

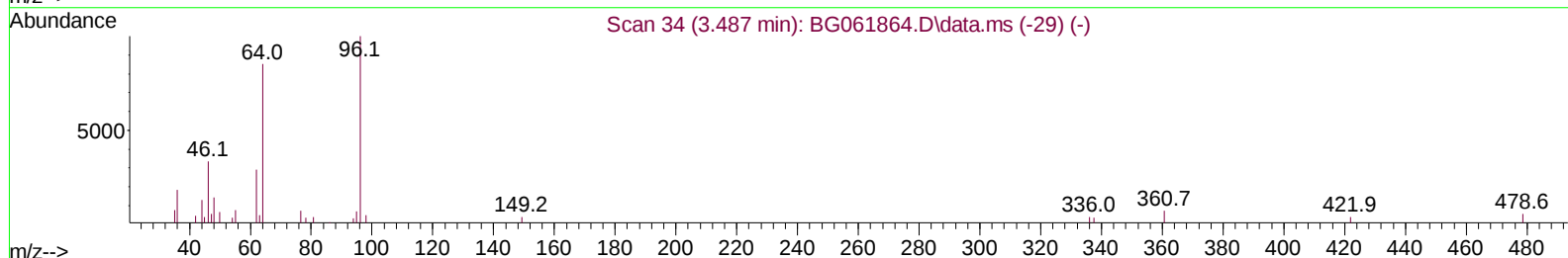
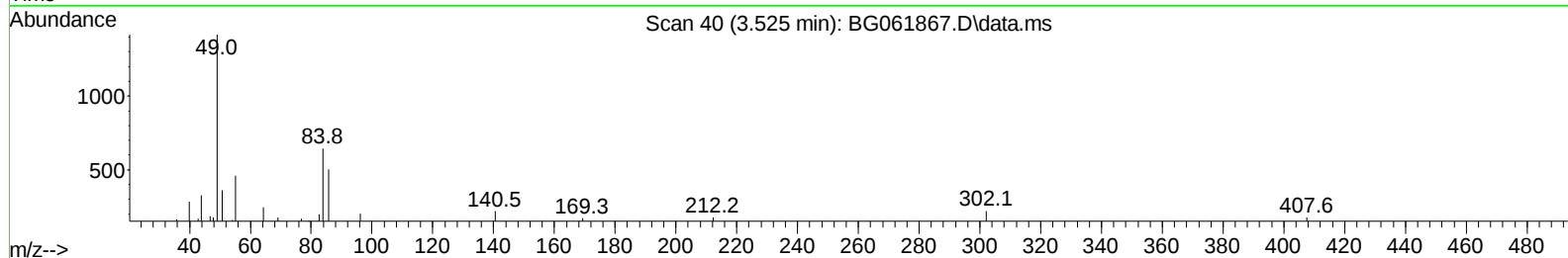
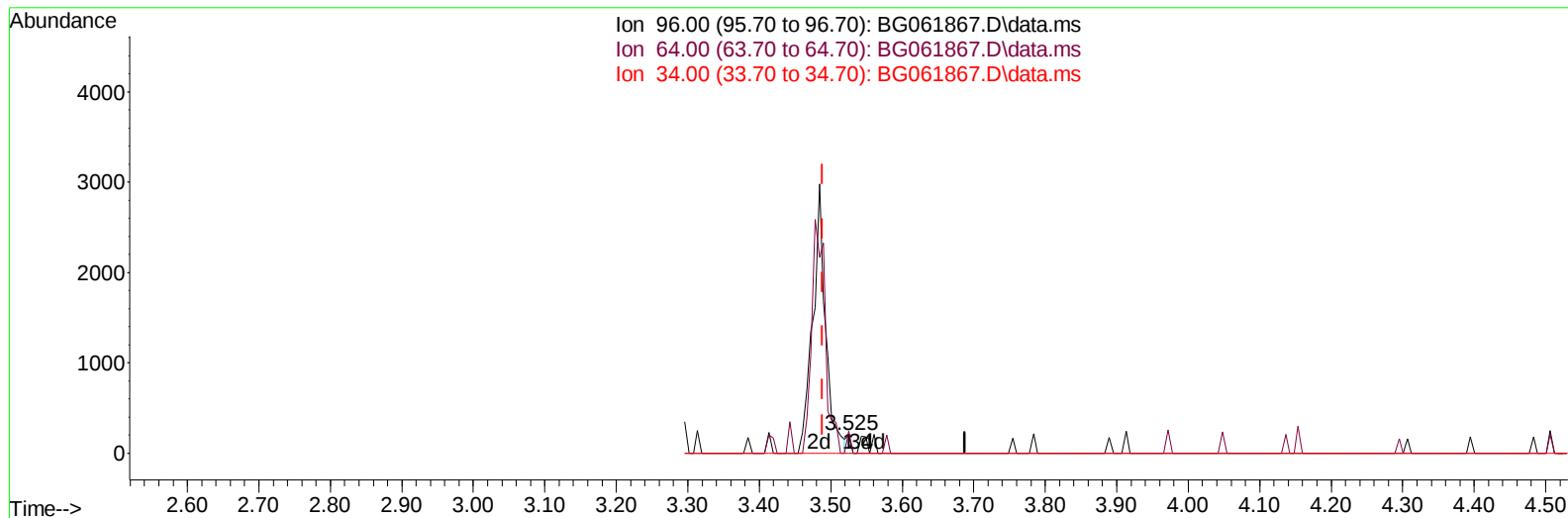
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:48:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.525min (+ 0.037) 0.06 ng/uL

response 72

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	104.80	120.10
34.00	0.00	0.00
0.00	0.00	0.00

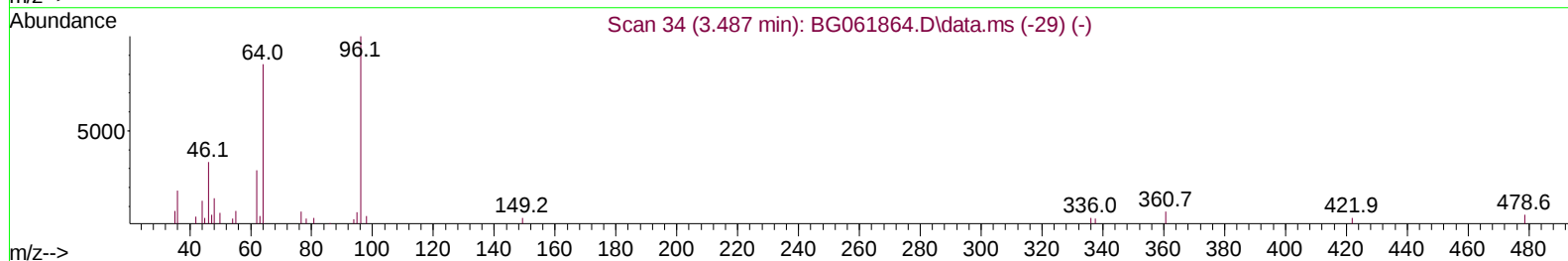
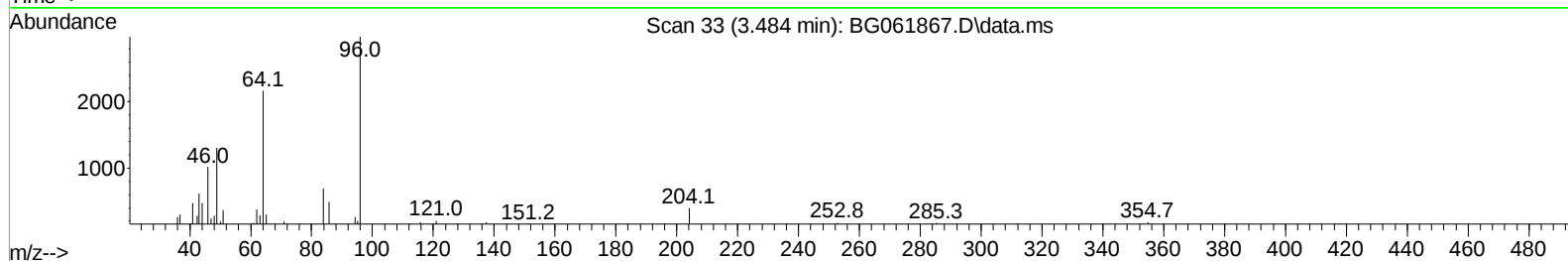
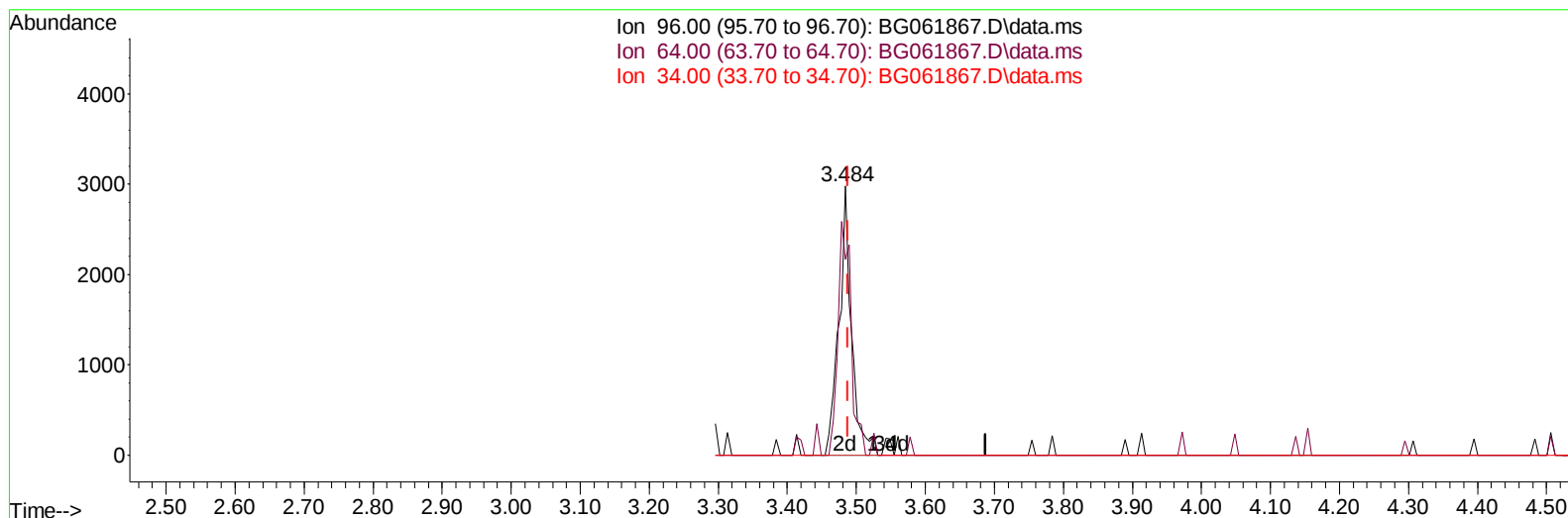
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:48:02 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.484min (-0.004) 3.42 ng/uL m

response 3816

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	104.80	72.68#
34.00	0.00	0.00
0.00	0.00	0.00

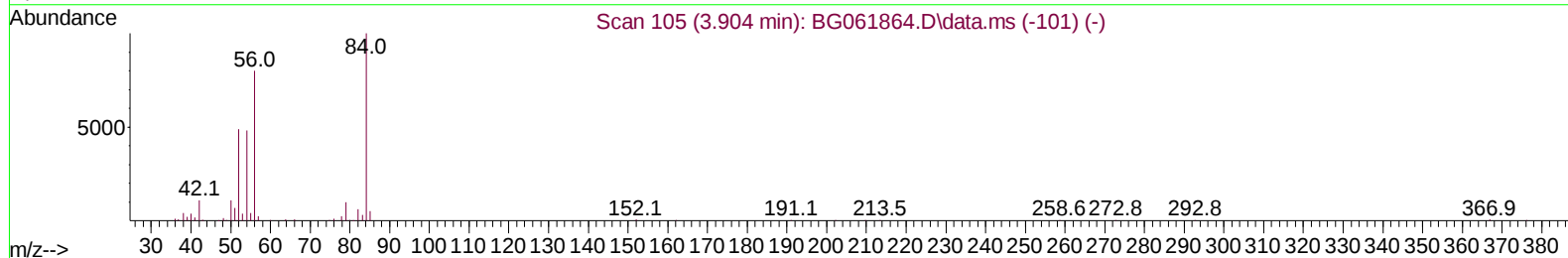
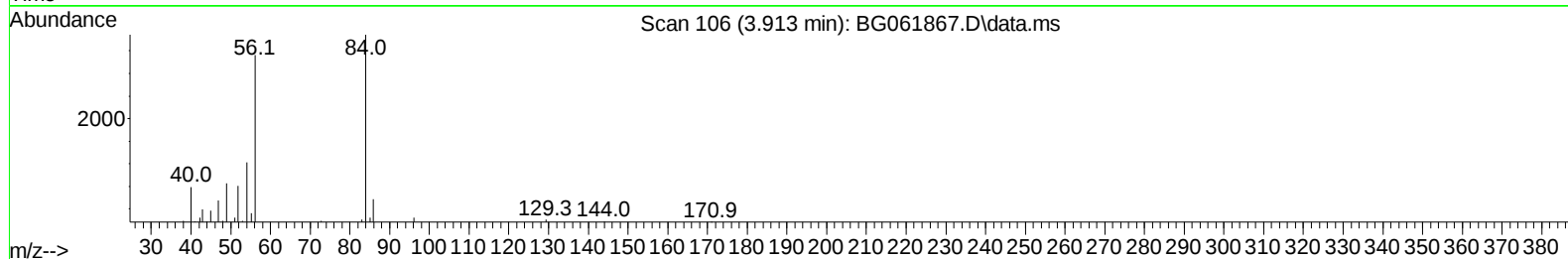
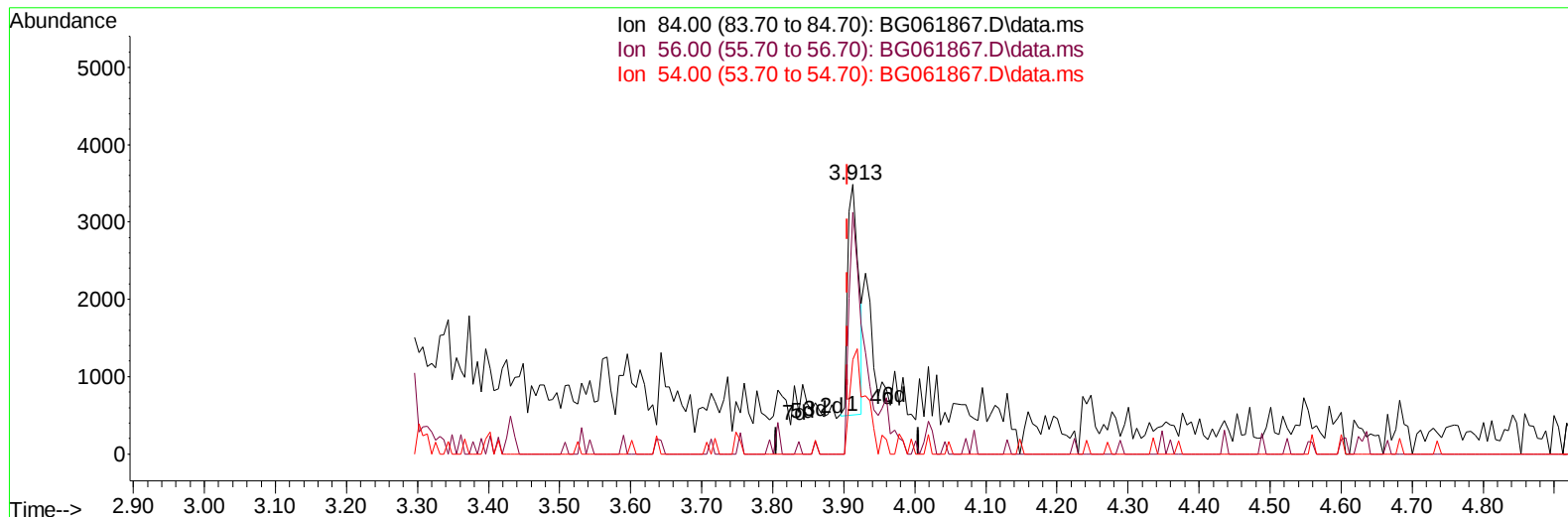
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:48:02 2024
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TIC: BG061867.D\data.ms

(4) Pyridine-d5 (S)

3.913min (+ 0.008) 0.94 ng/u1

response 3235

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	86.20	89.76
54.00	45.40	35.09#
0.00	0.00	0.00

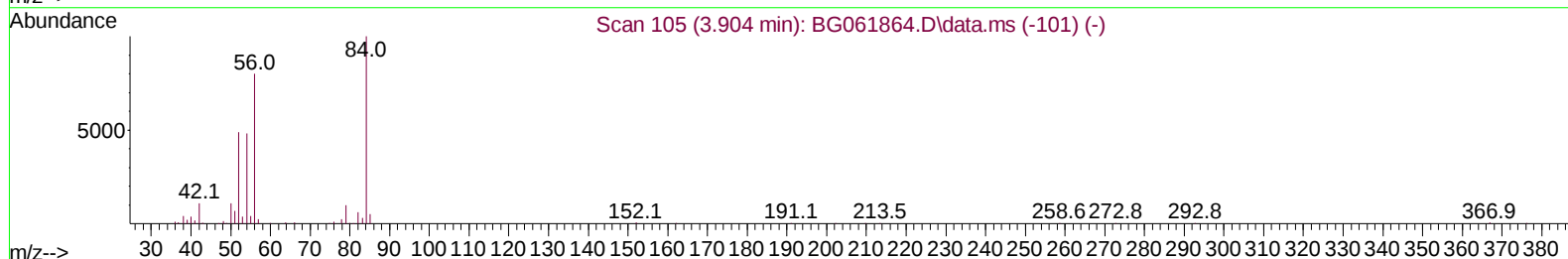
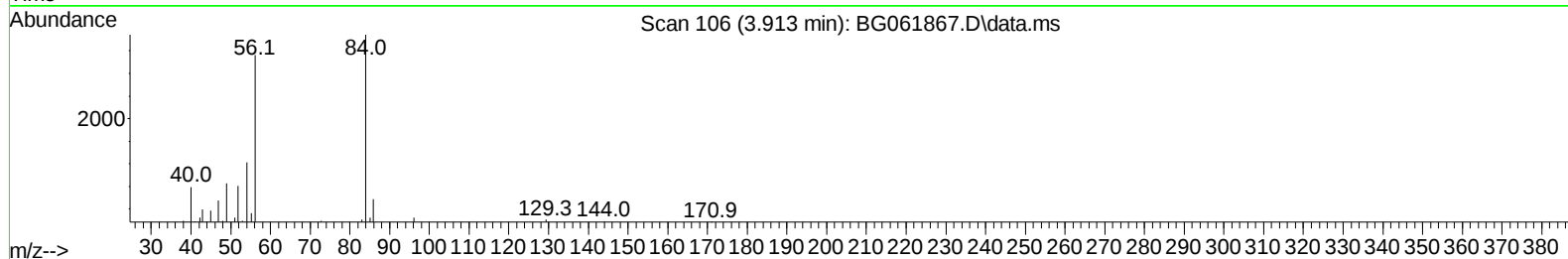
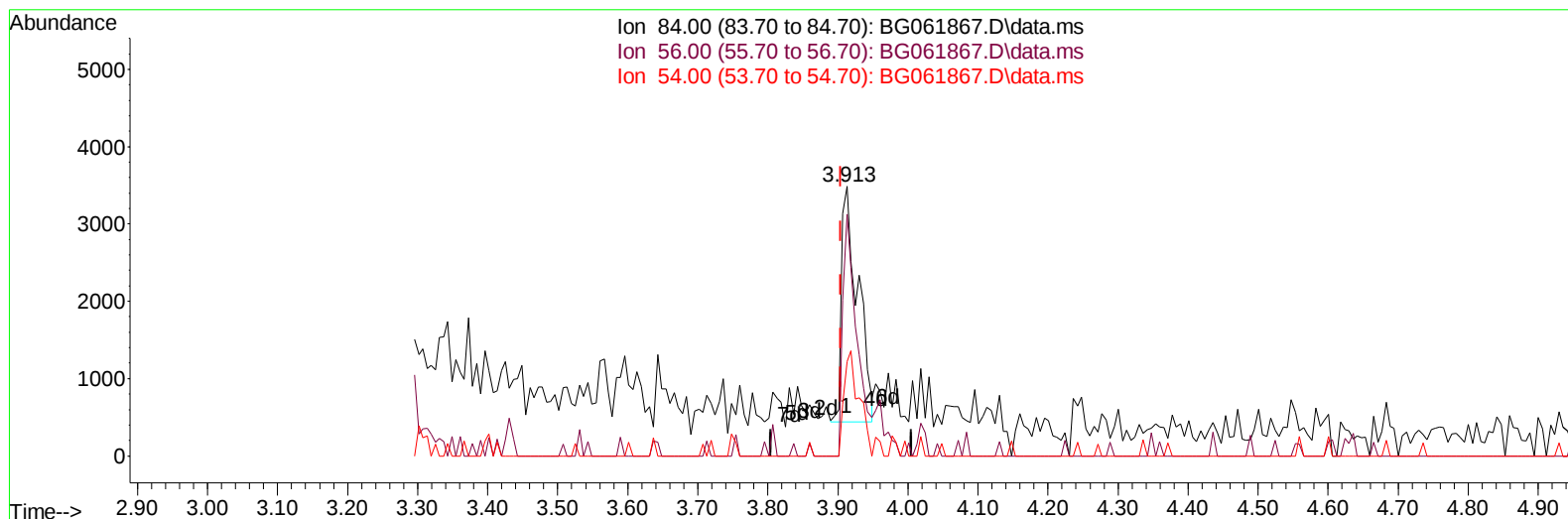
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:48:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
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Reviewed By :Yogesh Patel 07/05/2024
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TIC: BG061867.D\data.ms

(4) Pyridine-d5 (S)

3.913min (+ 0.008) 1.44 ng/ul m

response 4937

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	86.20	89.76
54.00	45.40	35.09#
0.00	0.00	0.00

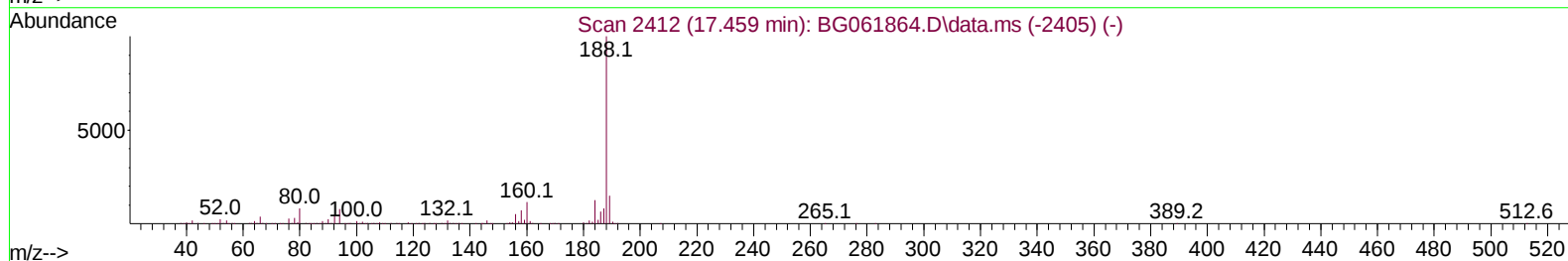
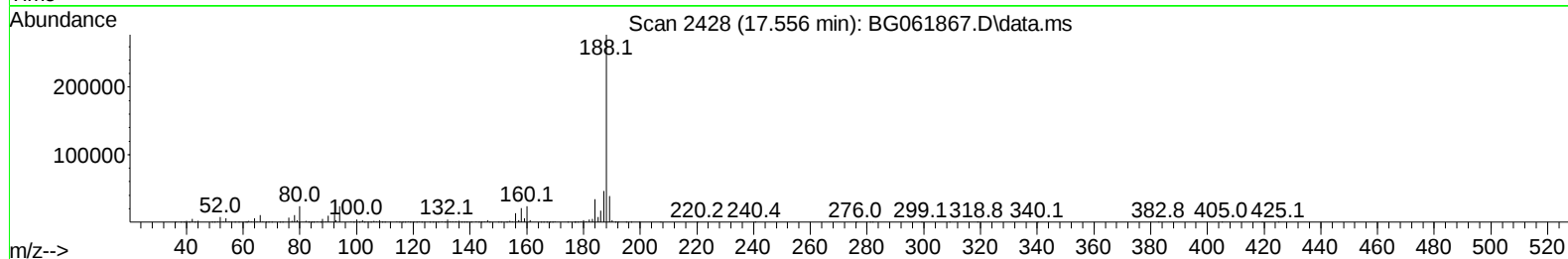
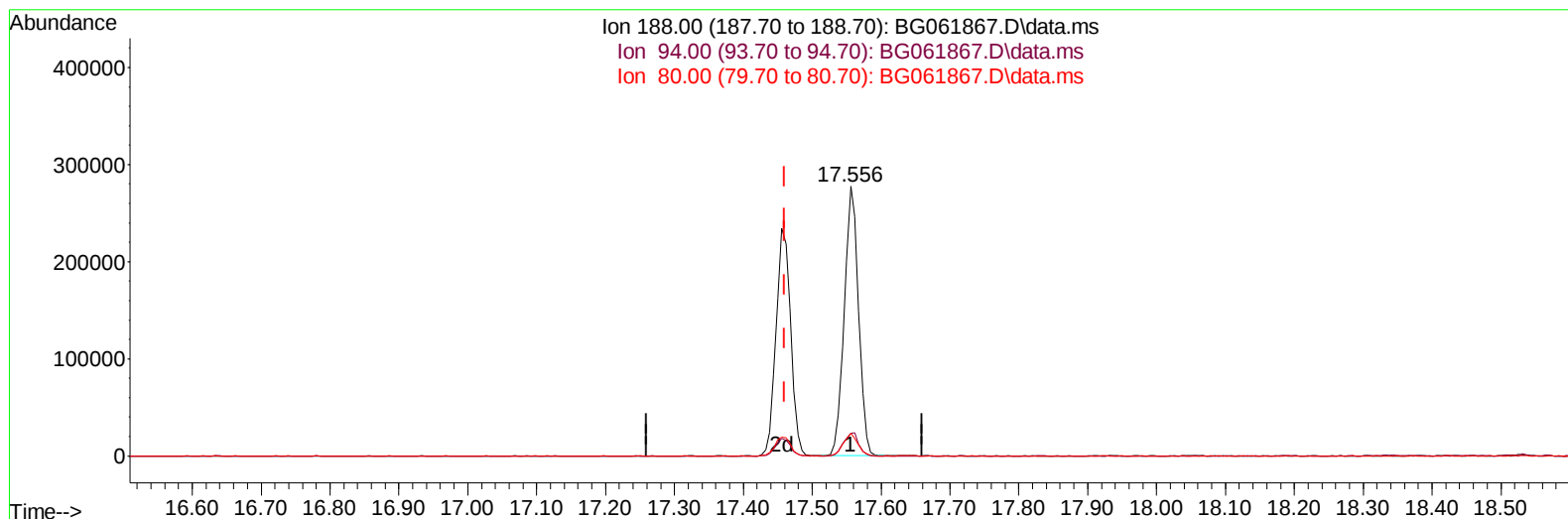
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/05/2024
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TIC: BG061867.D\data.ms

(64) Phenanthrene-d10 (I)

17.556min (+ 0.096) 20.00 ng/u1

response 398383

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.50	8.47
80.00	10.40	8.49
0.00	0.00	0.00

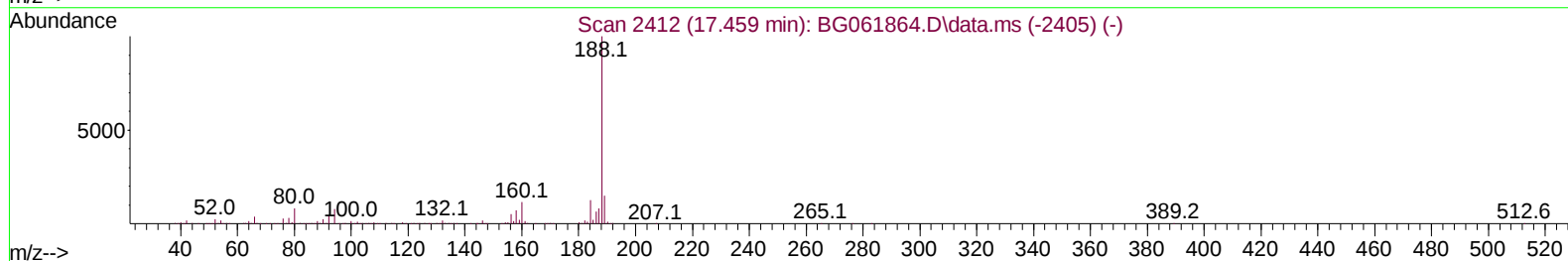
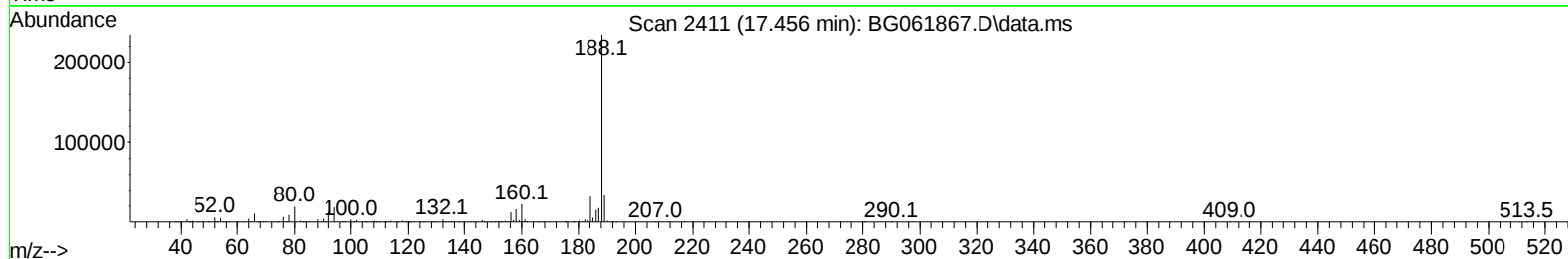
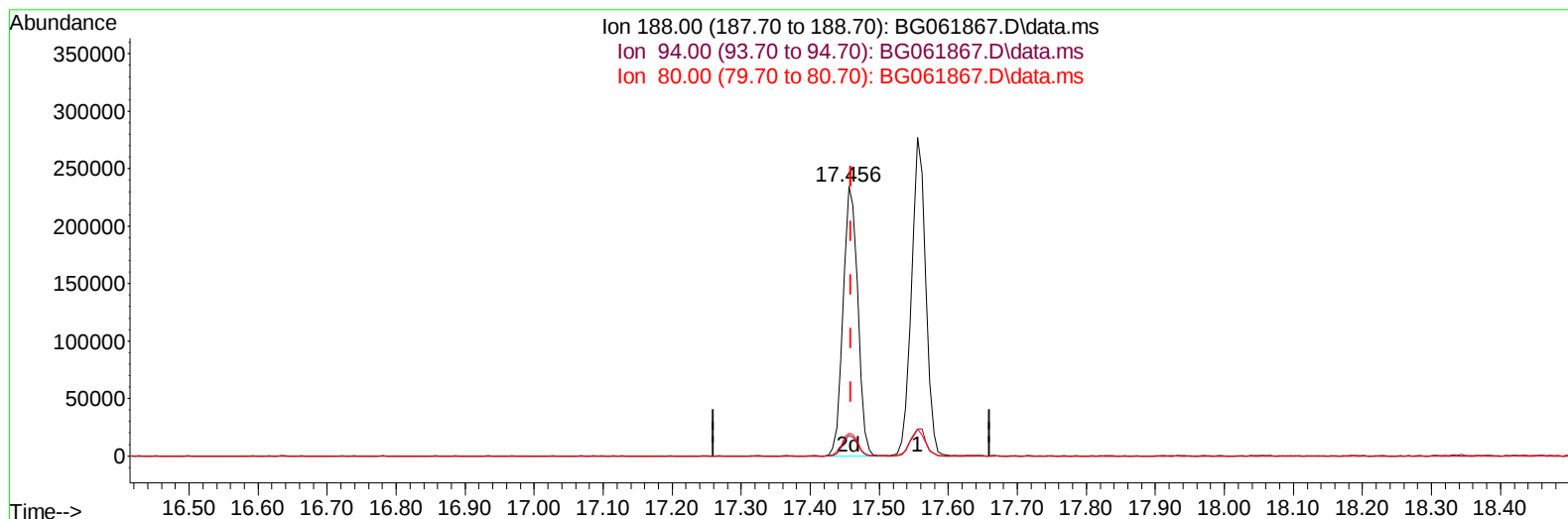
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:48:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(64) Phenanthrene-d10 (I)

17.456min (-0.004) 20.00 ng/ul m

response 345028

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.50	7.73
80.00	10.40	8.29#
0.00	0.00	0.00

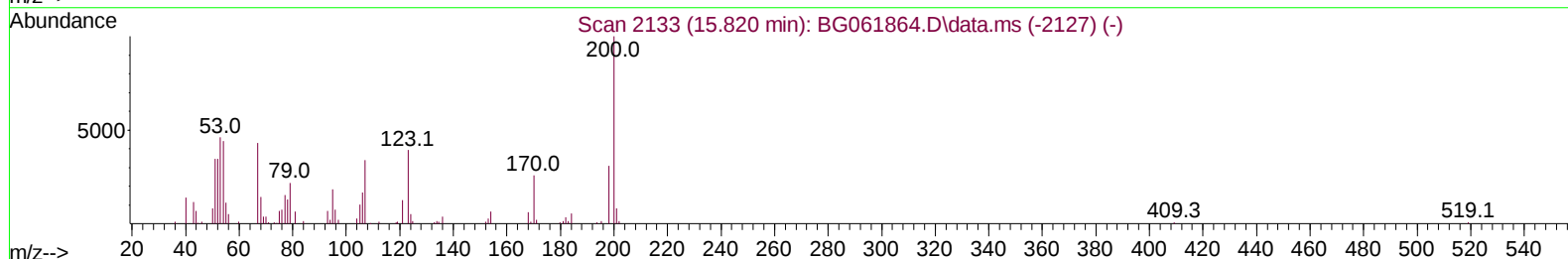
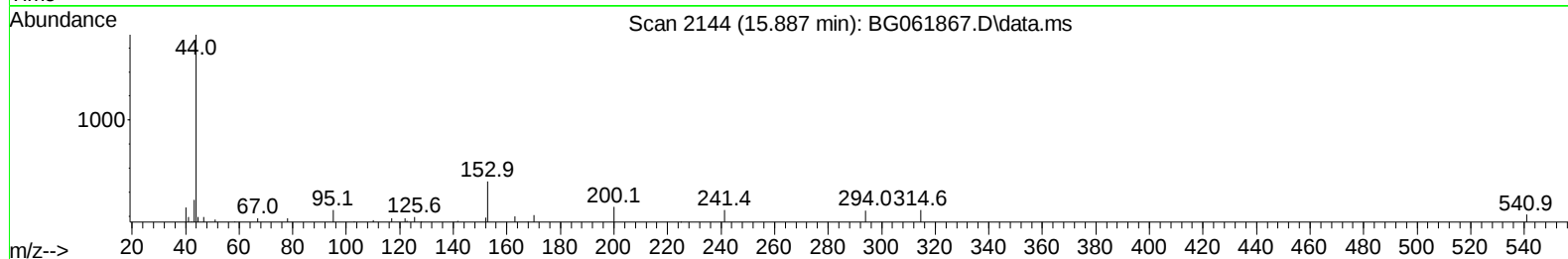
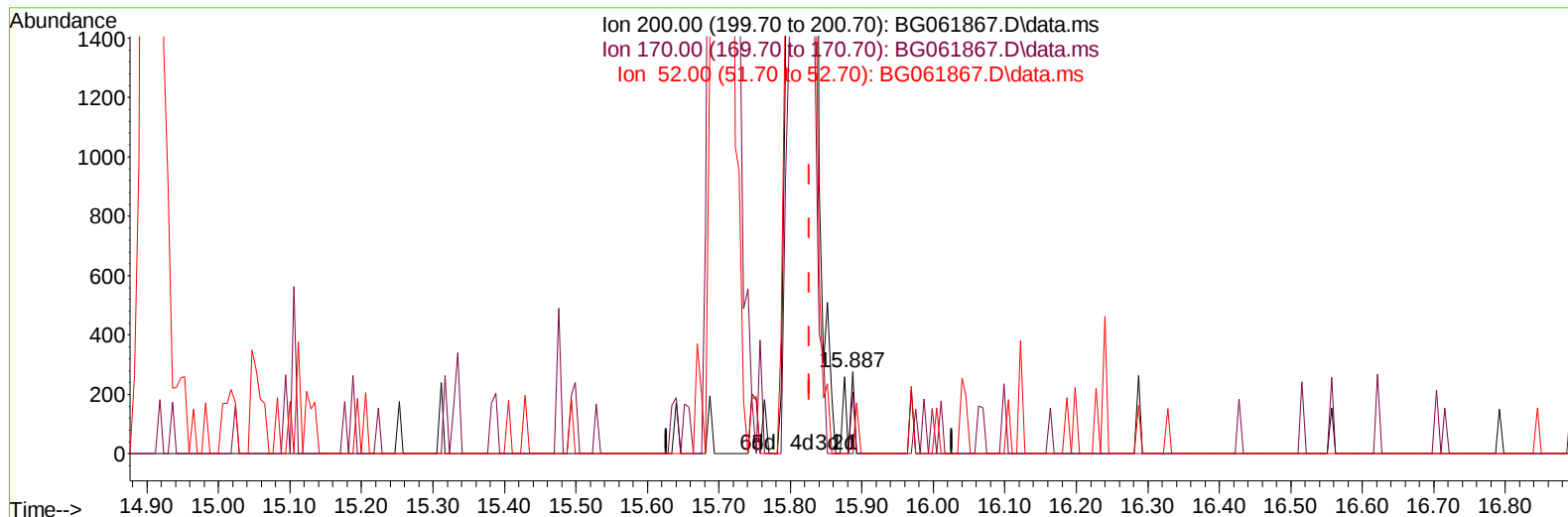
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:49:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.887min (+ 0.061) 0.05 ng/u1

response 97

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.10	75.36#
52.00	66.90	0.00#
0.00	0.00	0.00

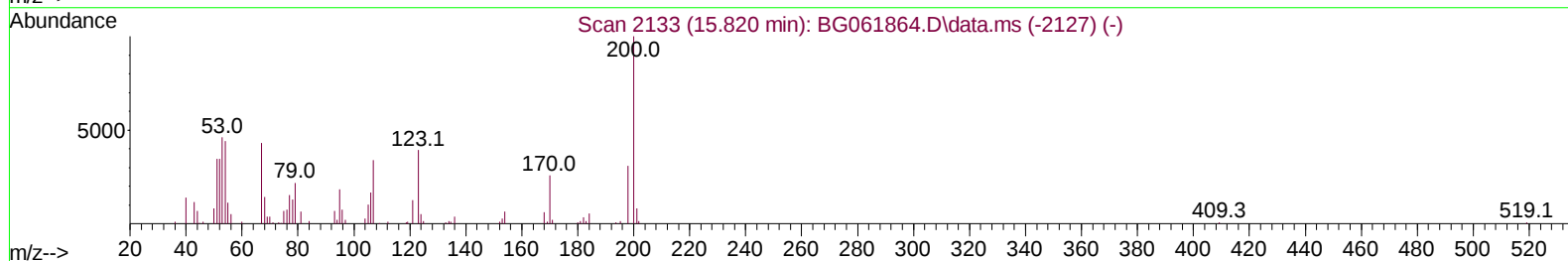
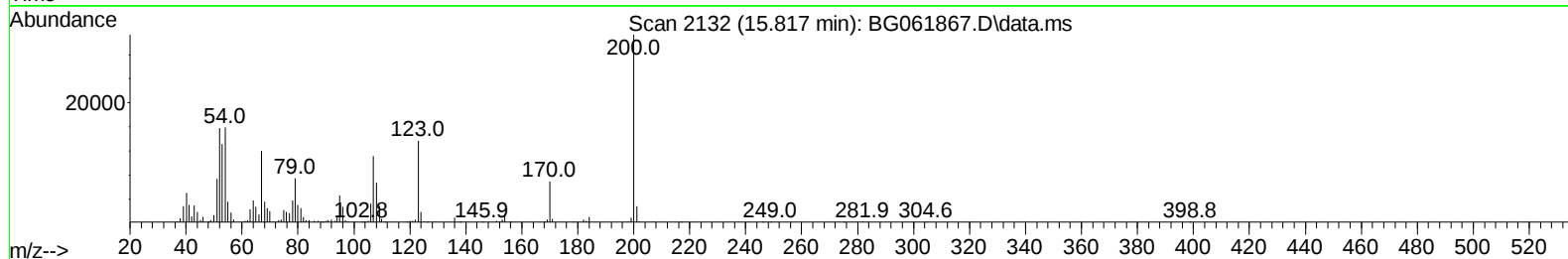
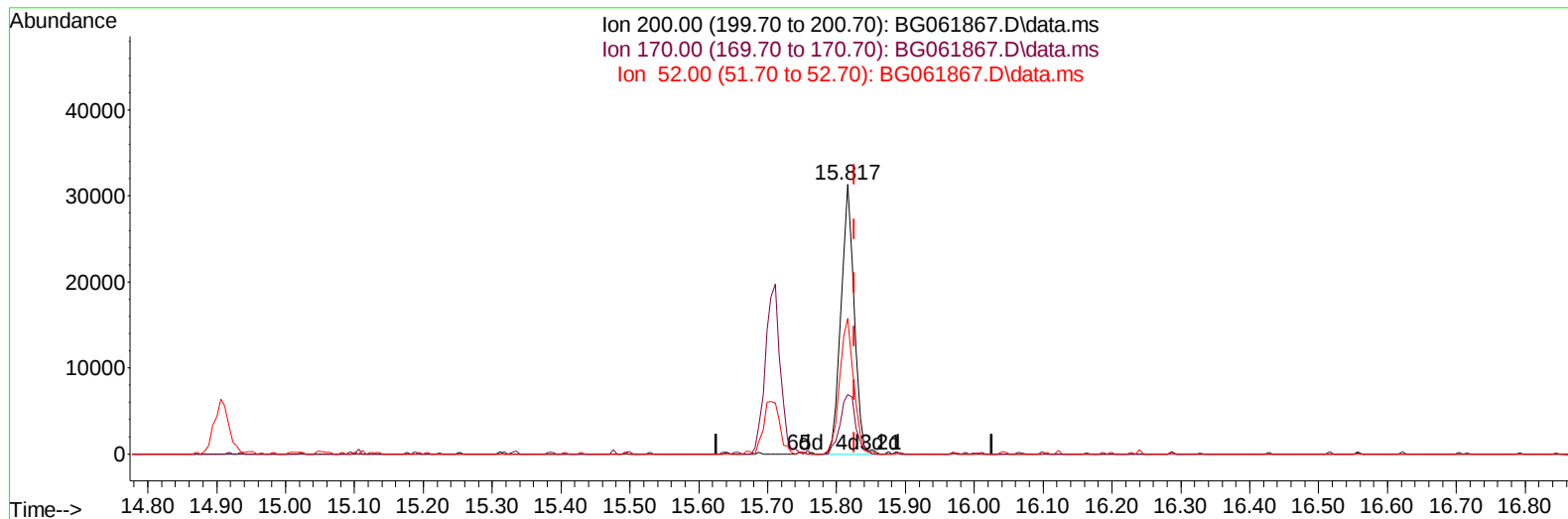
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:49:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.817min (-0.010) 22.87 ng/ul m

response 41436

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.10	22.01
52.00	66.90	50.29#
0.00	0.00	0.00

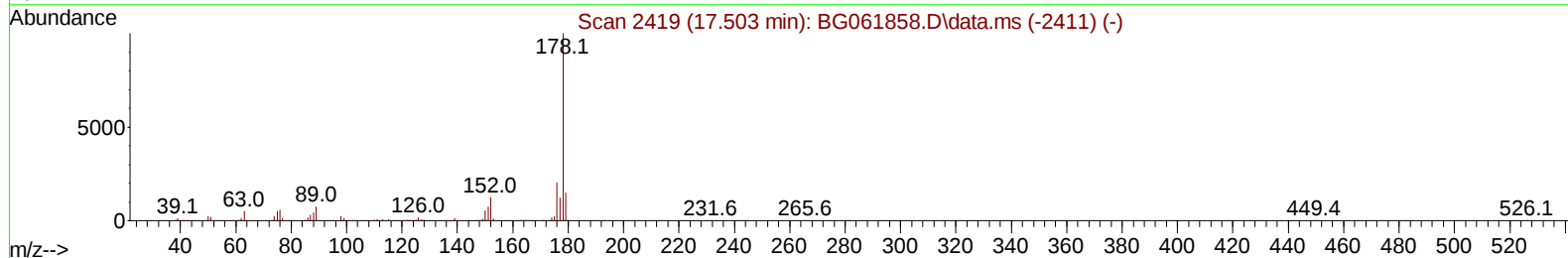
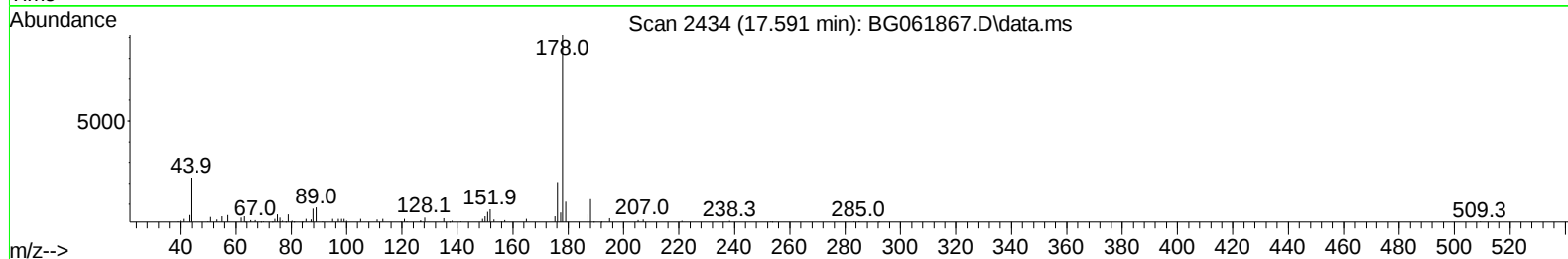
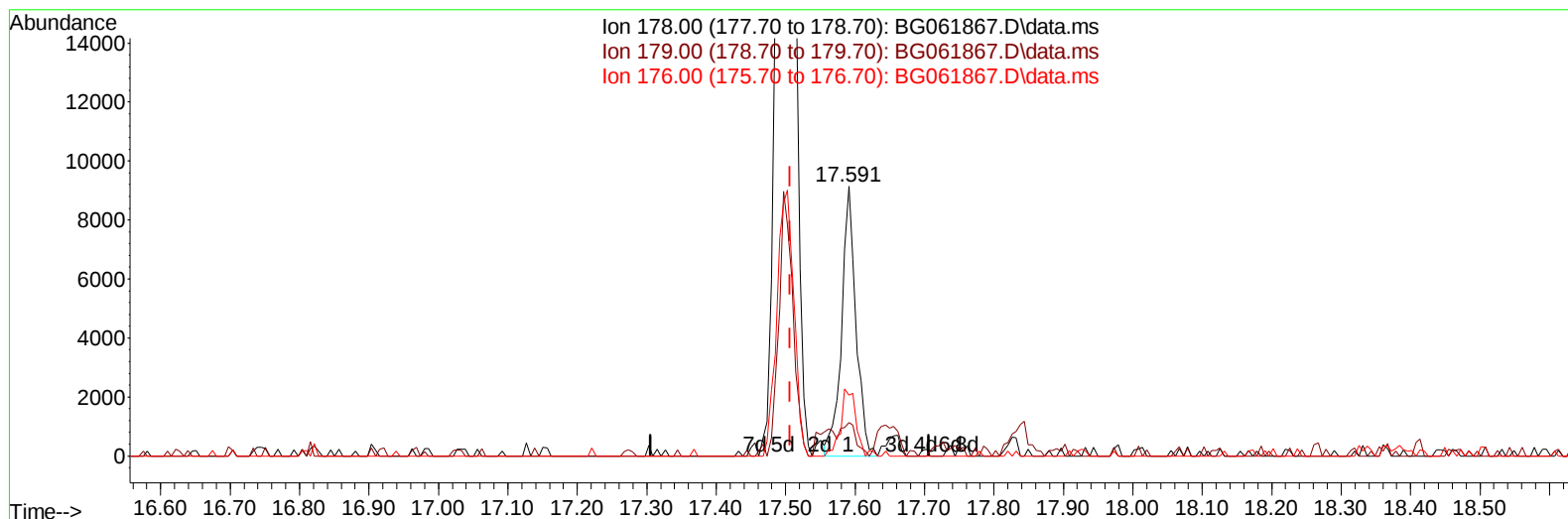
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
 Data File : BG061867.D
 Acq On : 3 Jul 2024 17:01
 Operator : MA/JU
 Sample : P3065-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:52:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(72) Phenanthrene

17.591min (+ 0.084) 0.72 ng/u1

response 13051

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.90	12.38
176.00	19.40	22.61
0.00	0.00	0.00

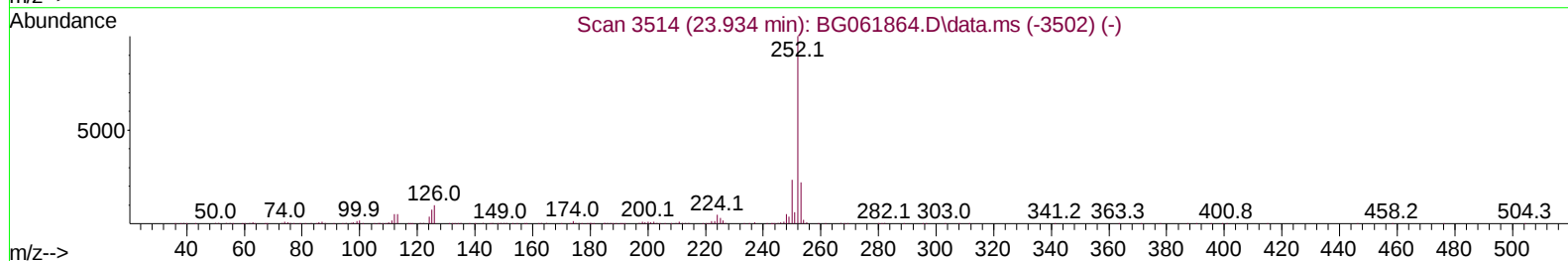
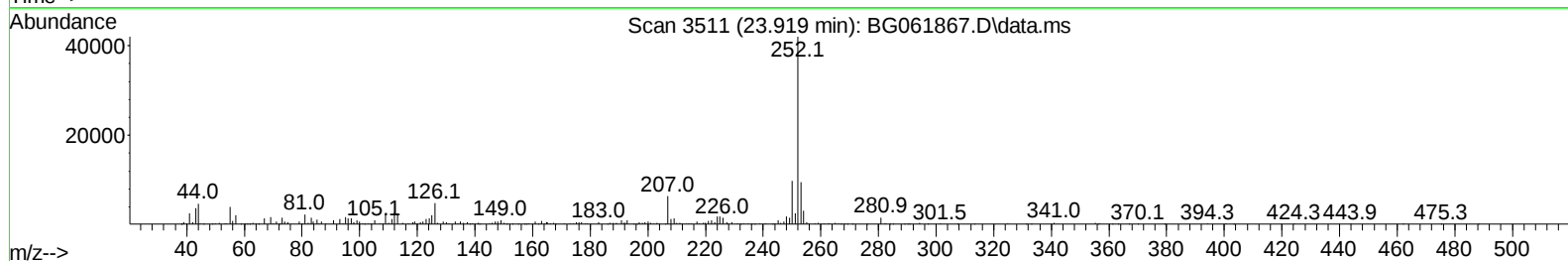
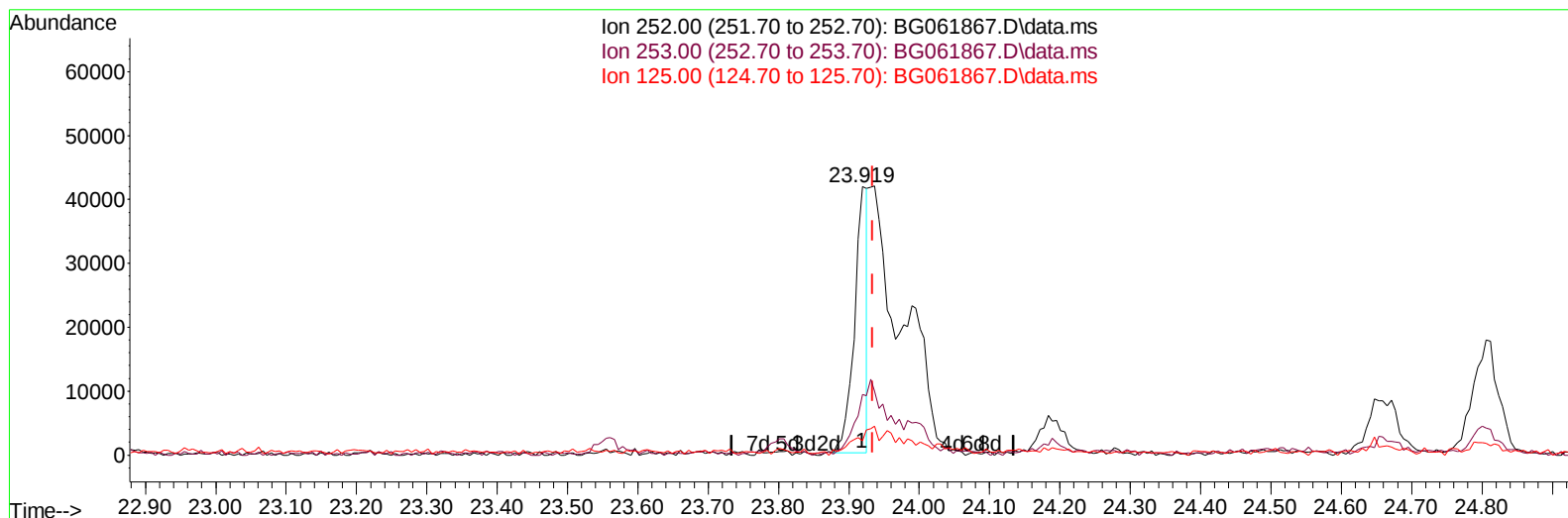
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:49:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
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QLast Update : Wed Jul 03 02:38:46 2024
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Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(90) Benzo(b)fluoranthene

23.919min (-0.015) 2.48 ng/u1

response 54200

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	22.66
125.00	7.60	5.24#
0.00	0.00	0.00

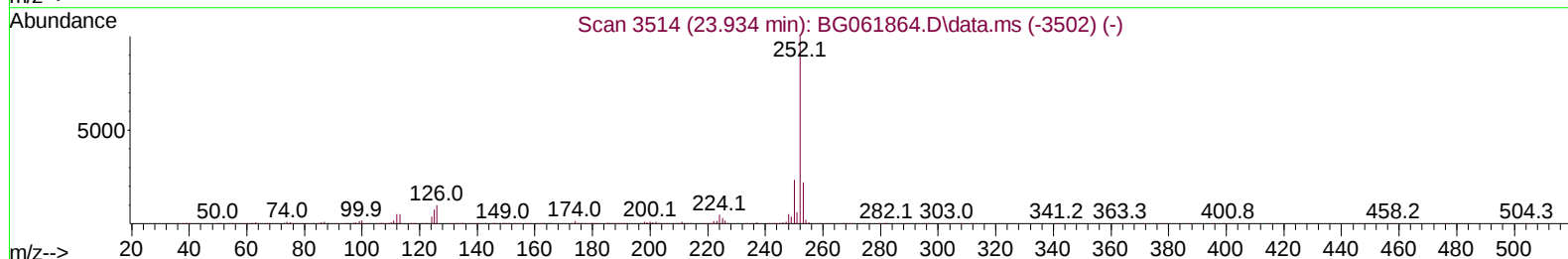
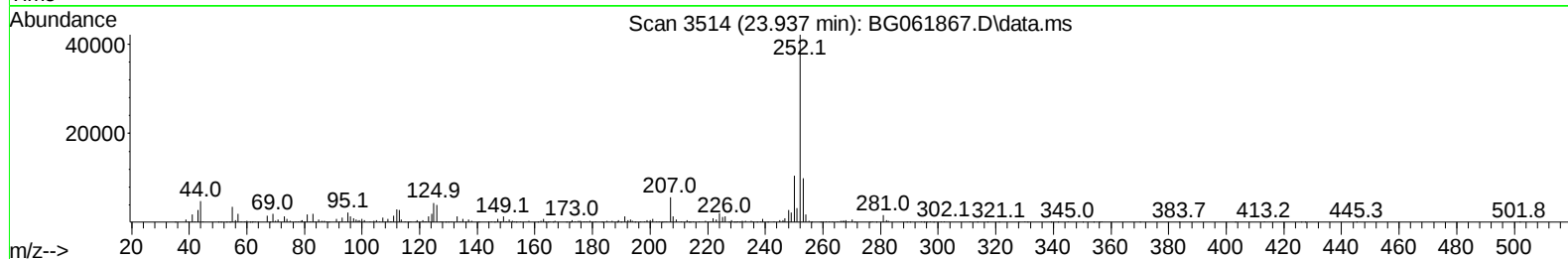
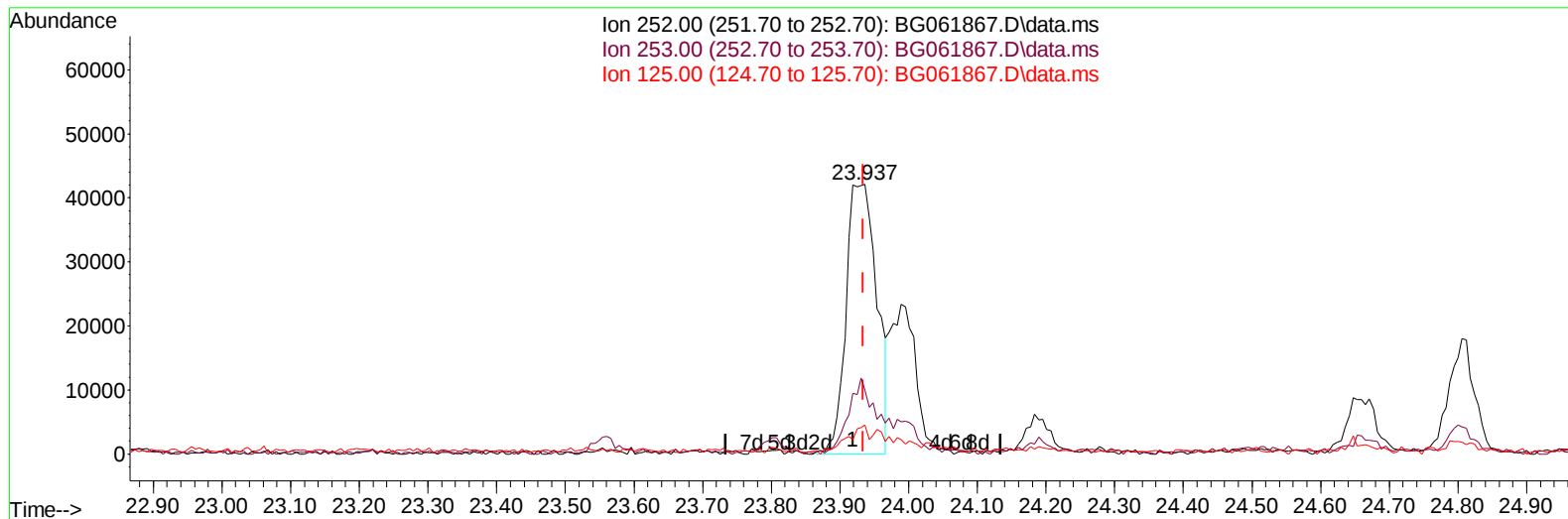
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:49:58 2024
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Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(90) Benzo(b)fluoranthene

23.937min (+ 0.002) 6.00 ng/u1 m

response 131352

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	23.72
125.00	7.60	10.64#
0.00	0.00	0.00

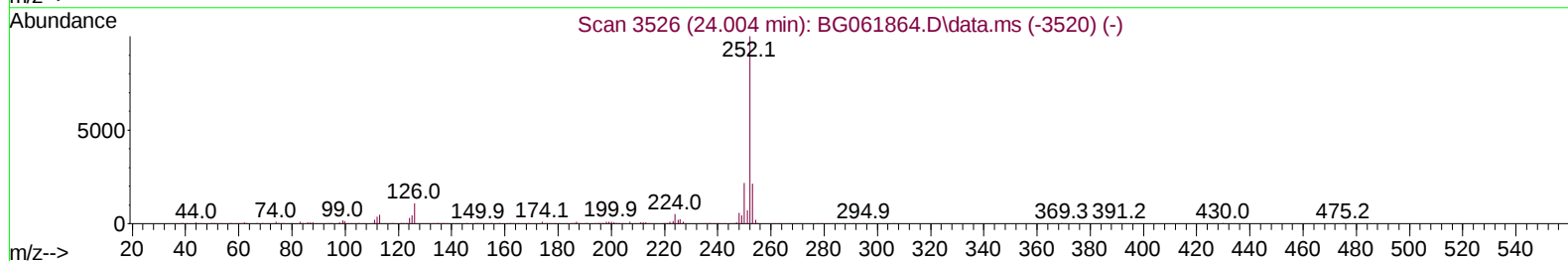
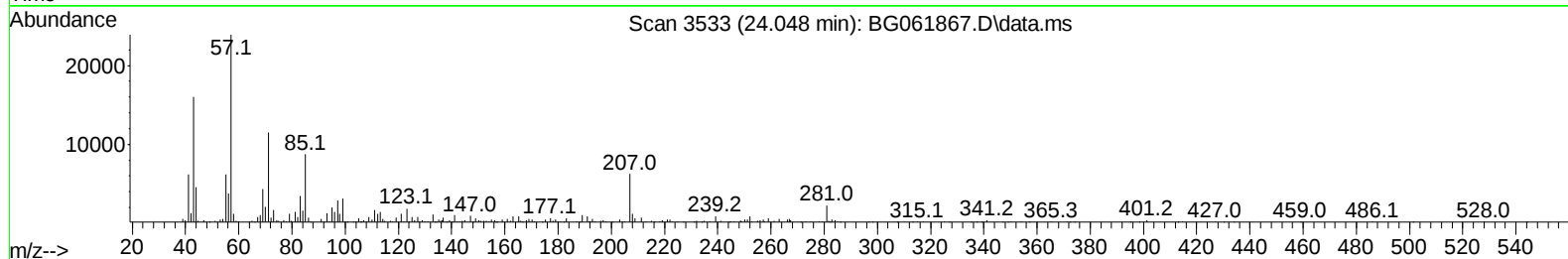
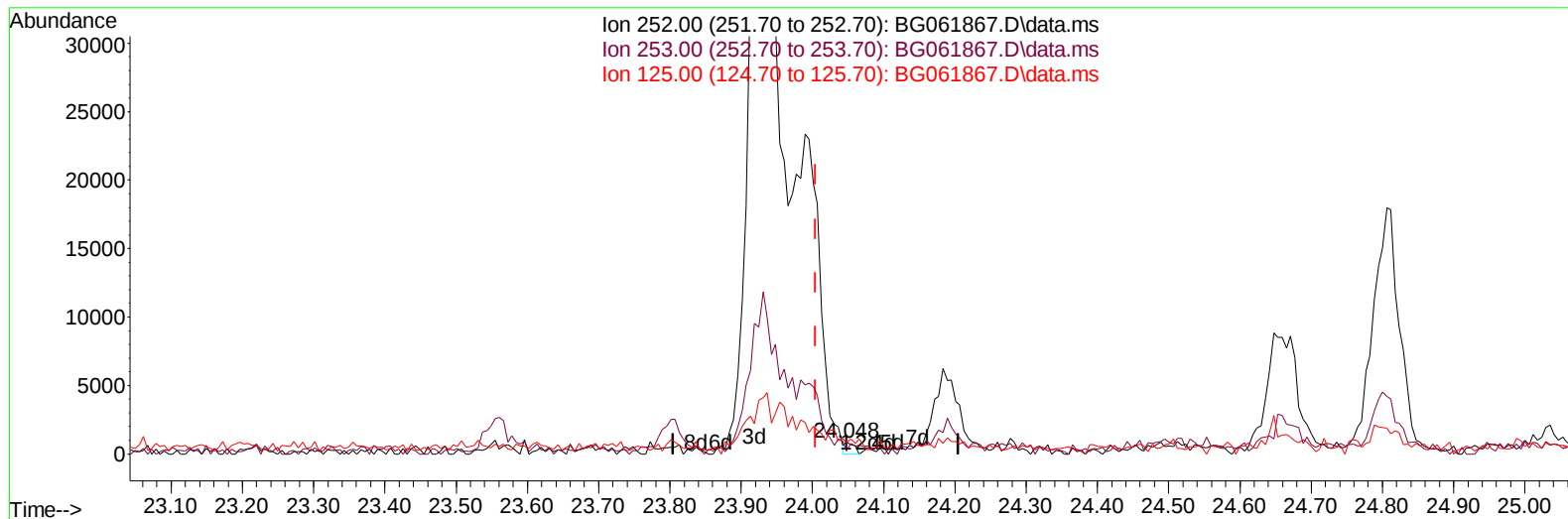
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:49:58 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(91) Benzo(k)fluoranthene

24.048min (+ 0.043) 0.03 ng/u1

response 753

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	26.26
125.00	7.90	94.72#
0.00	0.00	0.00

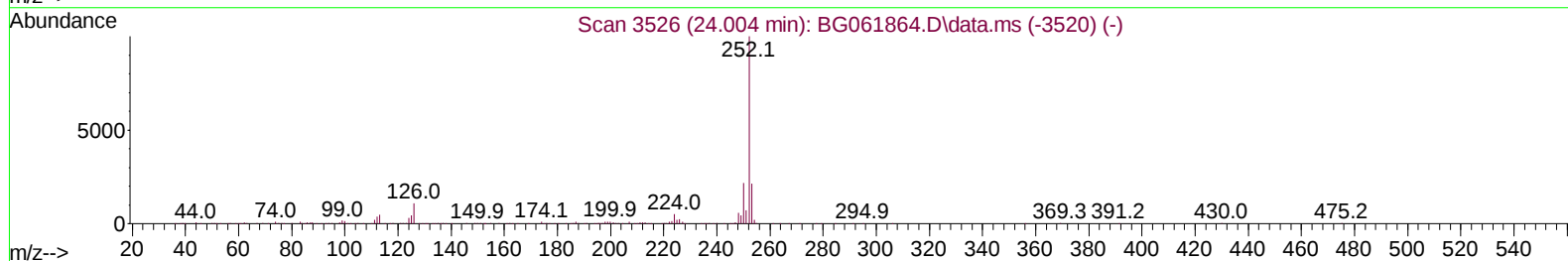
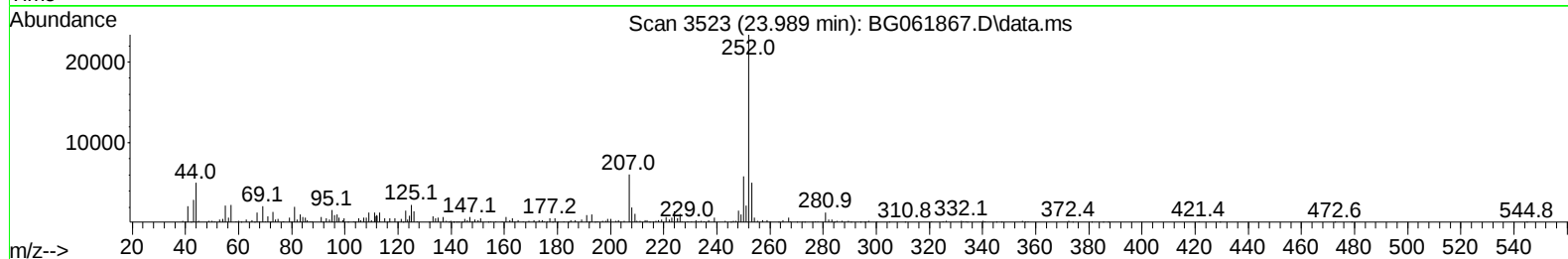
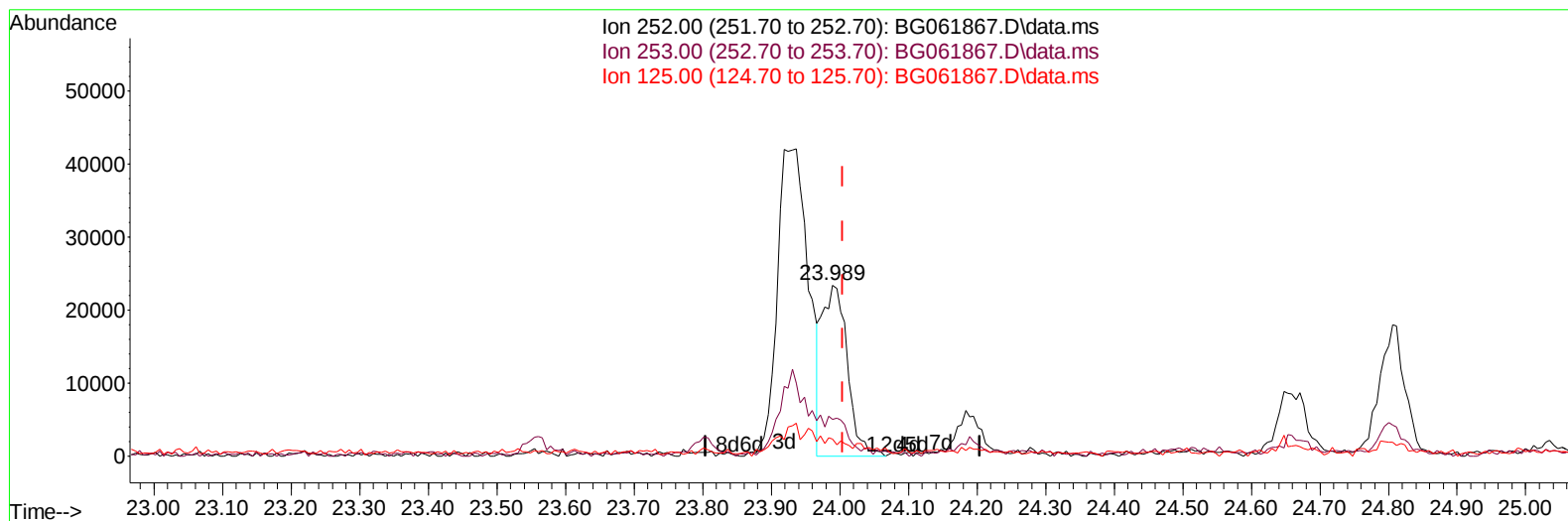
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:49:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(91) Benzo(k)fluoranthene

23.989min (-0.015) 2.75 ng/u1 m

response 60096

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	21.60
125.00	7.90	9.78#
0.00	0.00	0.00

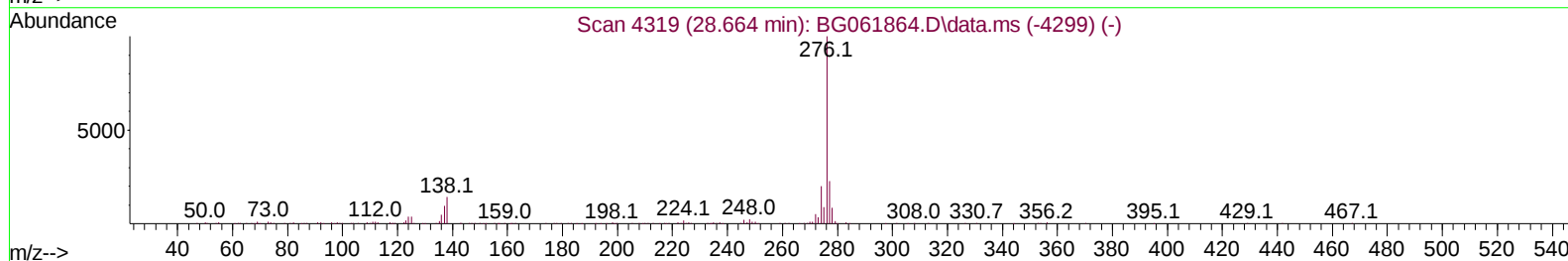
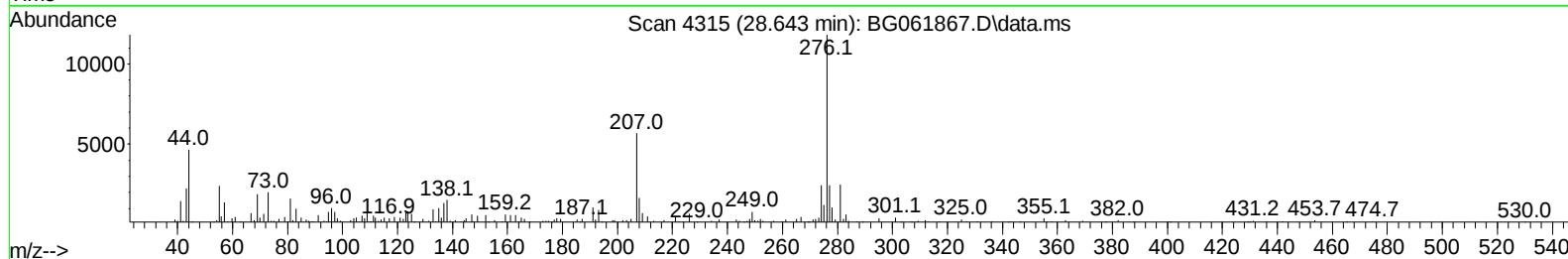
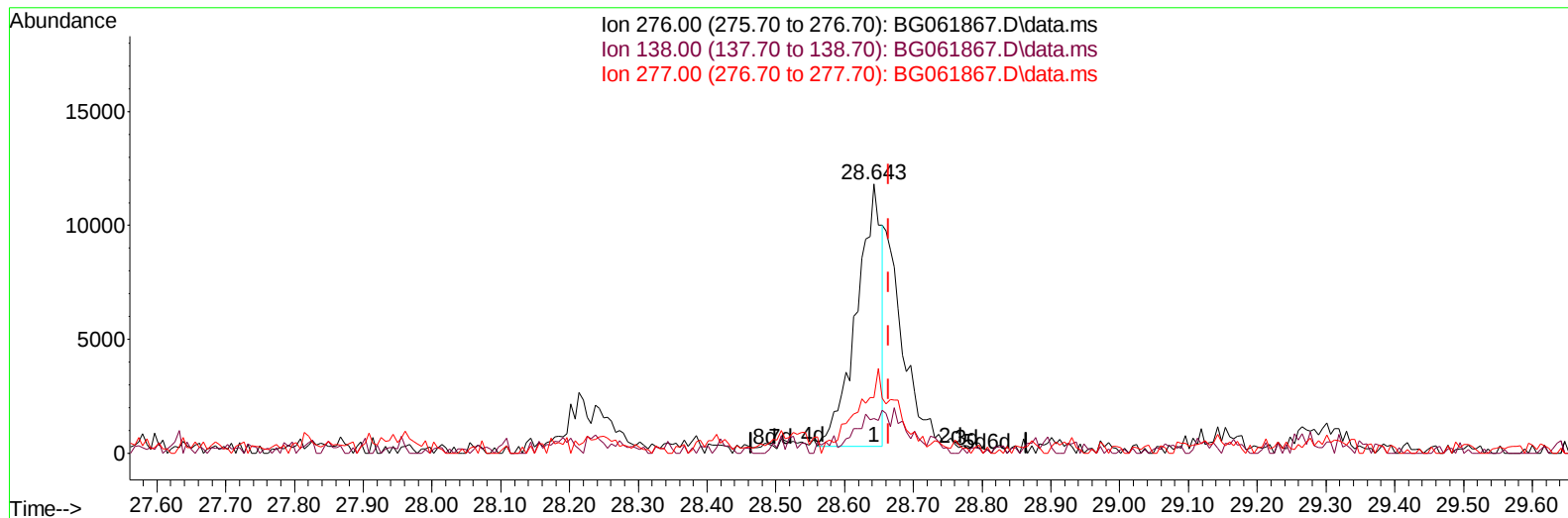
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:49:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BG061867.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.643min (-0.021) 1.09 ng/u1

response 28966

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.90	12.95
277.00	24.10	20.61
0.00	0.00	0.00

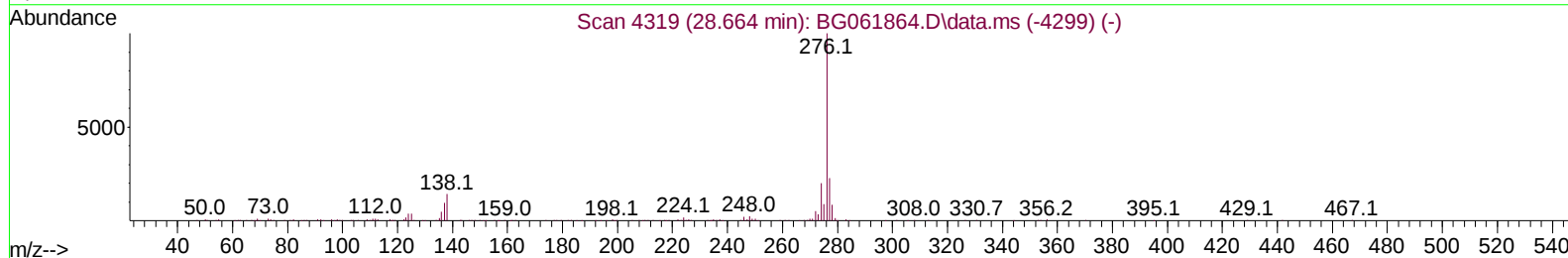
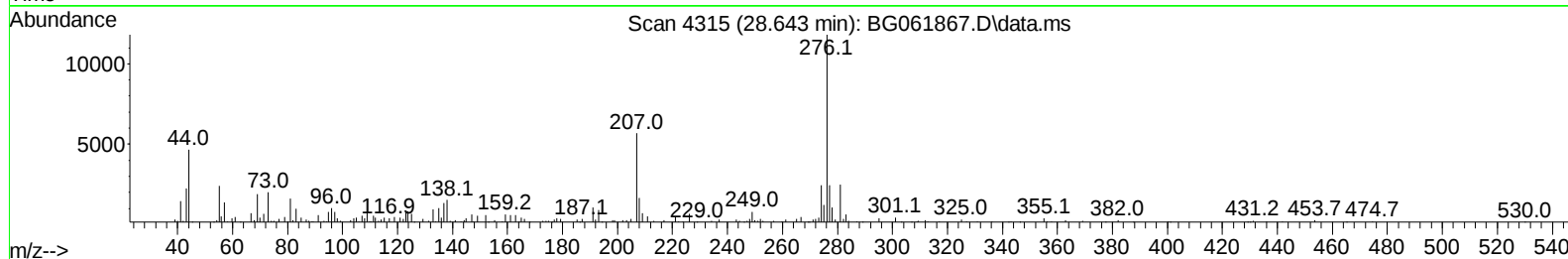
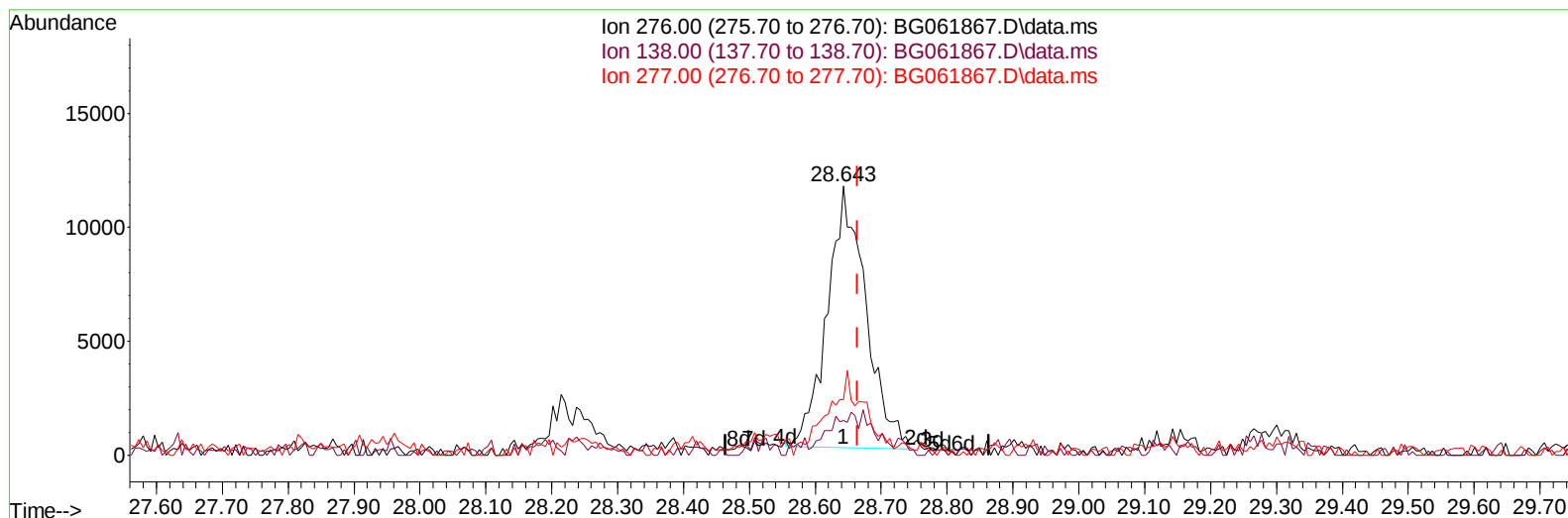
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061867.D
Acq On : 3 Jul 2024 17:01
Operator : MA/JU
Sample : P3065-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 03 17:49:58 2024
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TIC: BG061867.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.643min (-0.021) 1.76 ng/ul m

response 46724

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.90	12.95
277.00	24.10	20.61
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
 Data File : BG061867.D
 Acq On : 3 Jul 2024 17:01
 Operator : MA/JU
 Sample : P3065-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CE8

Manual IntegrationsAPPROVED

Quant Time: Jul 04 01:00:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.096	152	41899	20.000	ng/ul	0.00
20) Naphthalene-d8	10.911	136	199857	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.718	164	141864	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.456	188	345028m	20.000	ng/ul	0.00
79) Chrysene-d12	21.721	240	295360	20.000	ng/ul	0.00
88) Perylene-d12	24.965	264	347561	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	3816m	3.423	ng/uL	0.00
4) Pyridine-d5	3.913	84	4937m	1.440	ng/ul	0.00
7) Phenol-d5	7.250	99	95991	20.935	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.415	67	59952	20.647	ng/ul	0.00
11) 2-Chlorophenol-d4	7.626	132	68747	21.857	ng/ul	0.00
15) 4-Methylphenol-d8	8.795	113	70024	19.396	ng/ul	0.00
21) Nitrobenzene-d5	9.260	128	36699	24.144	ng/ul	0.00
24) 2-Nitrophenol-d4	9.988	143	42205	24.315	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.523	165	83625	24.977	ng/ul	0.00
31) 4-Chloroaniline-d4	11.046	131	75442	15.521	ng/ul	0.00
46) Dimethylphthalate-d6	14.119	166	293432	25.159	ng/ul	0.00
49) Acenaphthylene-d8	14.412	160	313067	25.671	ng/ul	0.00
54) 4-Nitrophenol-d4	14.906	143	44550	23.919	ng/ul	0.00
60) Fluorene-d10	15.705	176	256789	26.154	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.817	200	41436m	22.867	ng/ul	0.00
73) Anthracene-d10	17.556	188	398460	24.736	ng/ul	0.00
81) Pyrene-d10	19.835	212	386250	22.233	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.736	264	291030	16.884	ng/ul	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.497	178	77490m	4.259	ng/ul	
80) Fluoranthene	19.501	202	189089	9.197	ng/ul	98
82) Pyrene	19.865	202	123969	5.837	ng/ul	97
85) Benzo(a)anthracene	21.698	228	87493	4.091	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.598	149	28947	2.263	ng/ul#	90
87) Chrysene	21.768	228	95142	4.752	ng/ul	96
90) Benzo(b)fluoranthene	23.937	252	131352m	5.998	ng/ul	
91) Benzo(k)fluoranthene	23.989	252	60096m	2.752	ng/ul	
93) Benzo(a)pyrene	24.806	252	45969	2.217	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.643	276	46724m	1.763	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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