

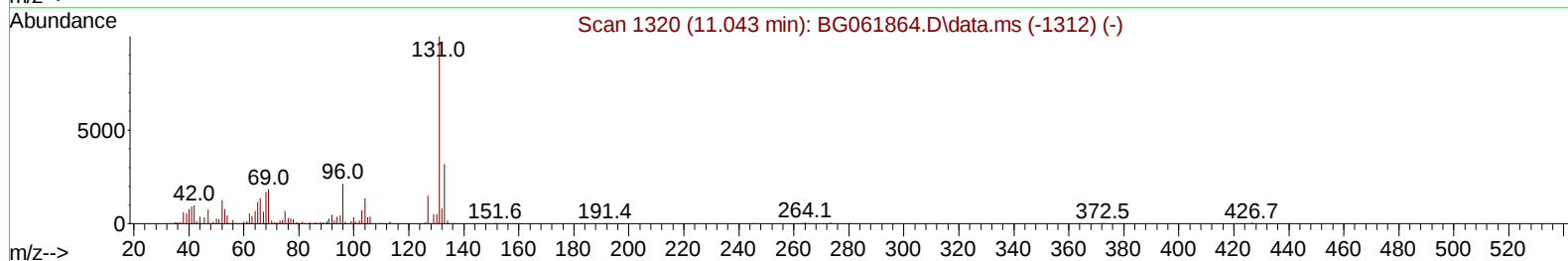
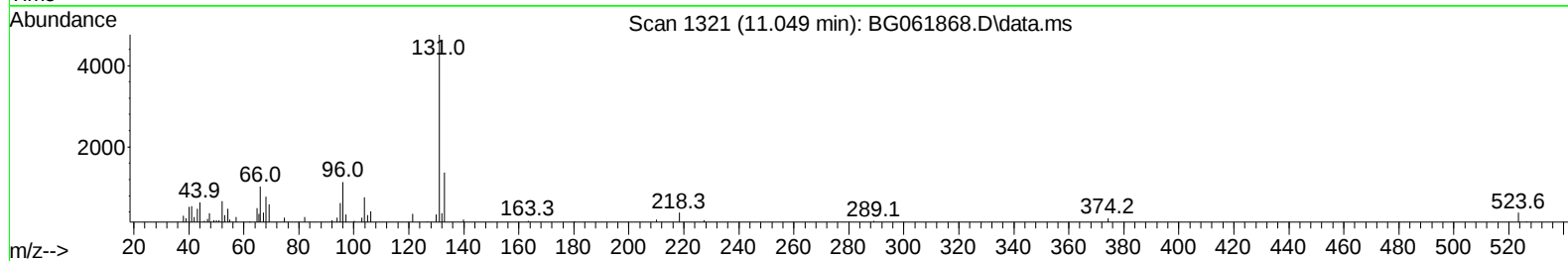
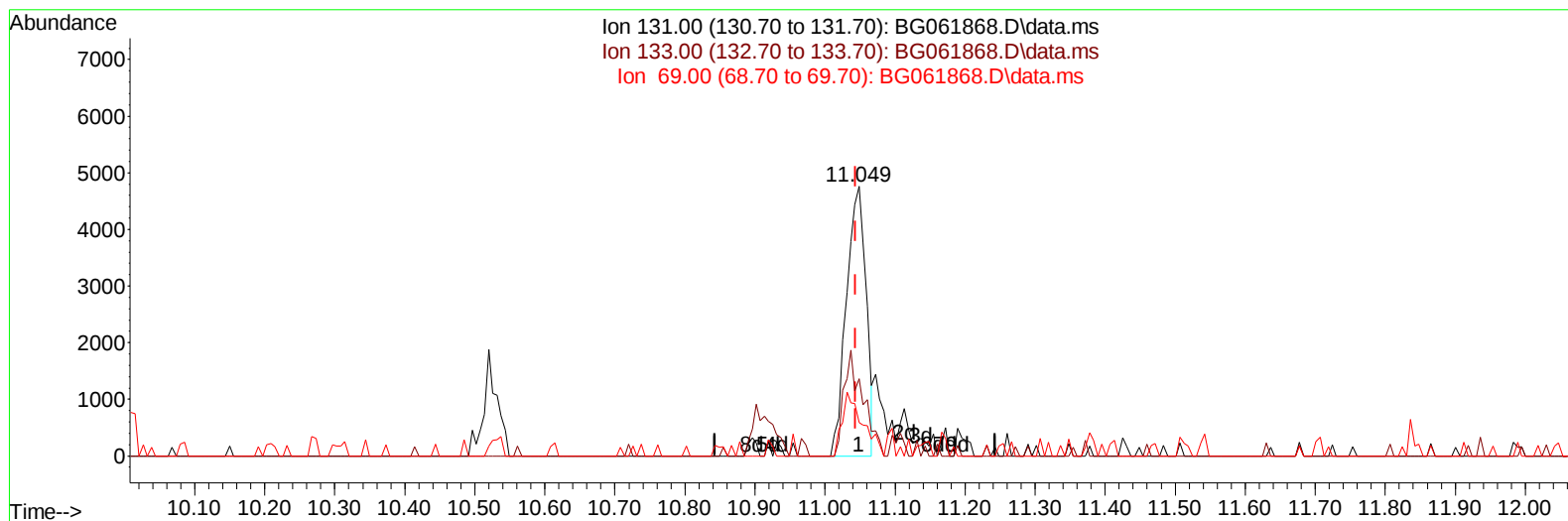
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:14:55 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: BG061868.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.049min (+ 0.005) 2.29 ng/u1

response 9388

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	28.73
69.00	21.00	12.34#
0.00	0.00	0.00

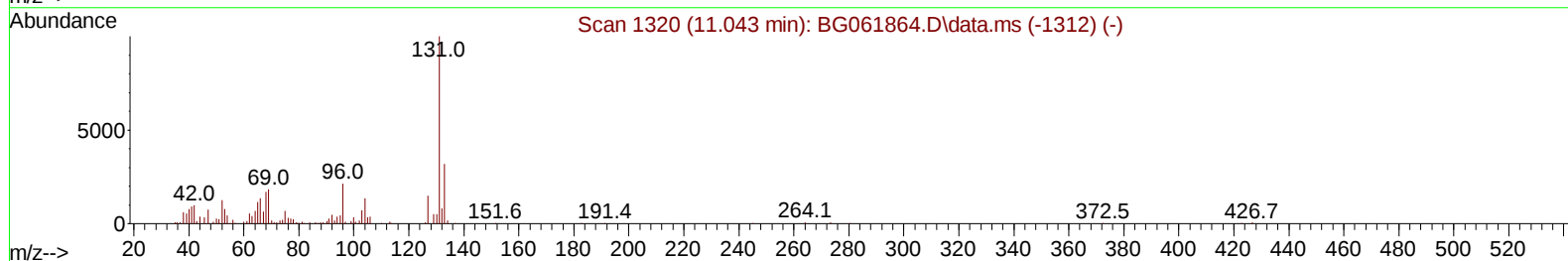
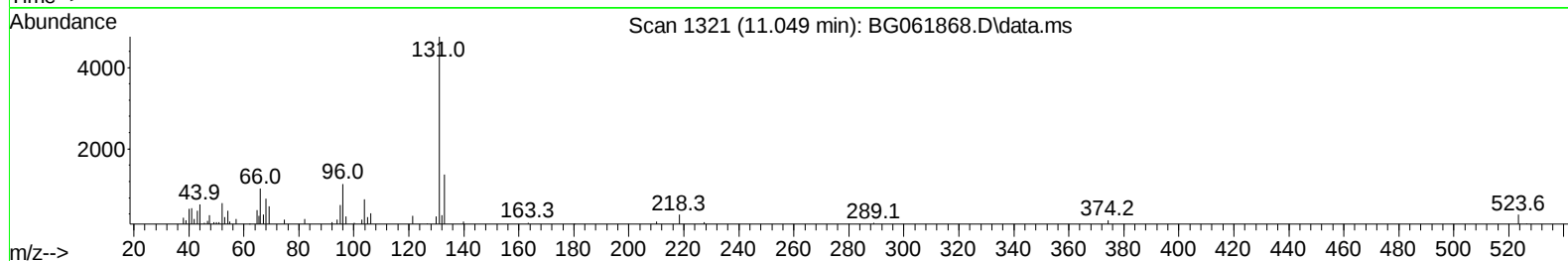
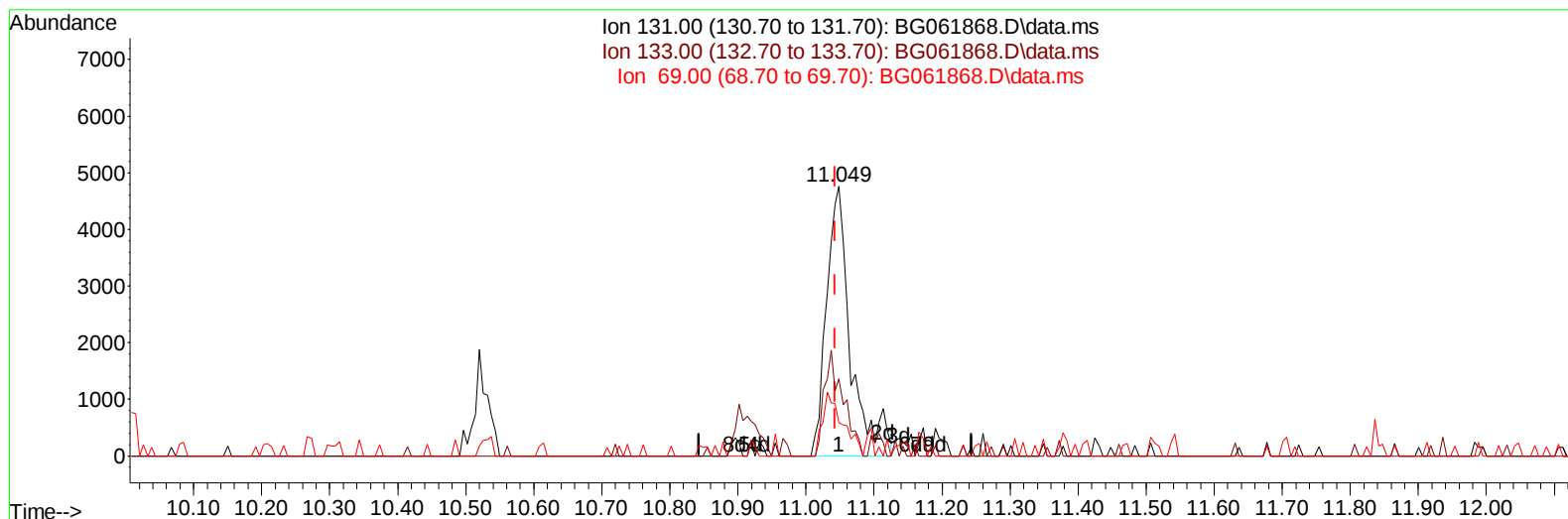
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:14:55 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: BG061868.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.049min (+ 0.005) 2.85 ng/ul m

response 11713

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	28.73
69.00	21.00	12.34#
0.00	0.00	0.00

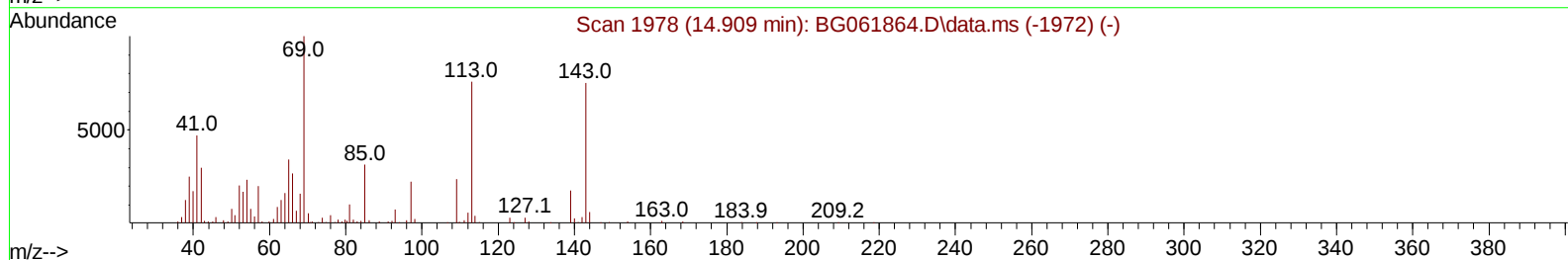
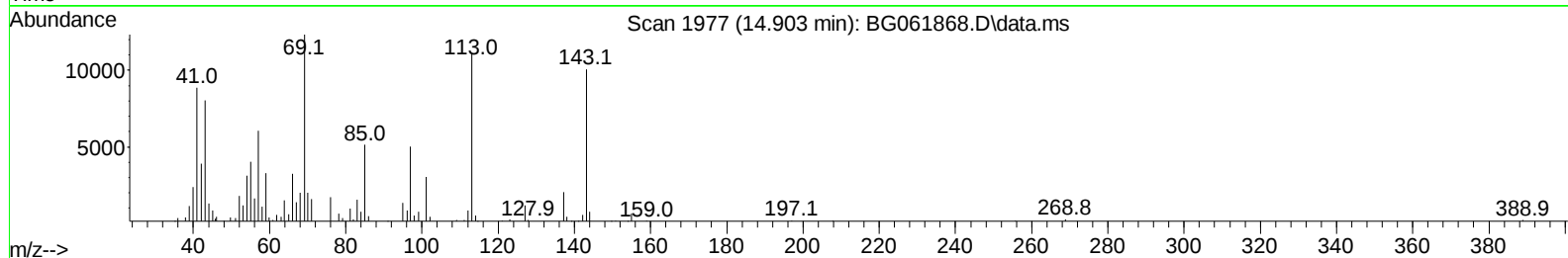
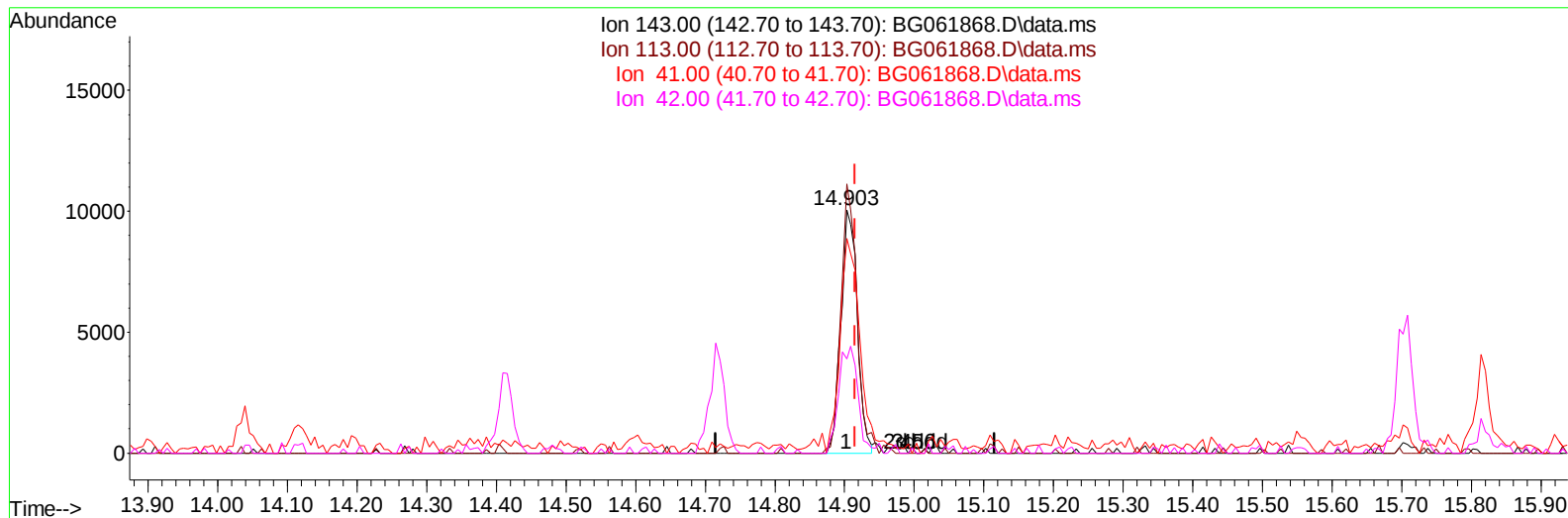
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:14:55 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: BG061868.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.903min (-0.012) 9.70 ng/u1

response 16330

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	106.20	110.46
41.00	69.90	88.09#
42.00	41.10	38.67

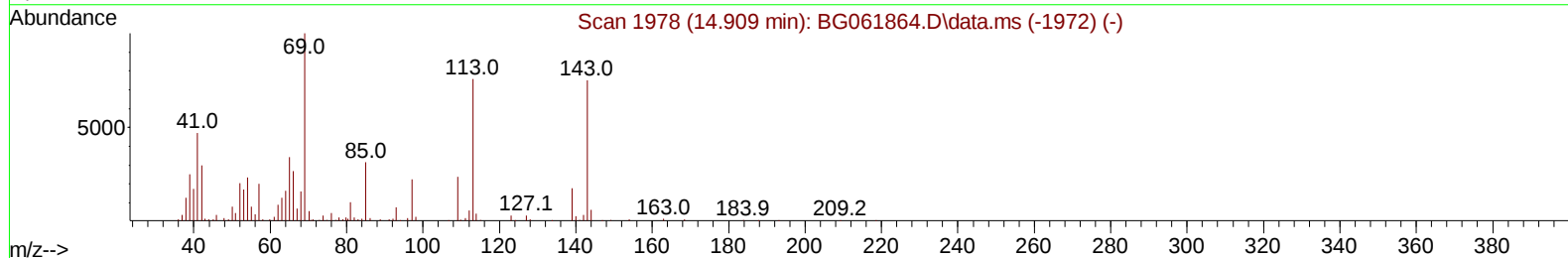
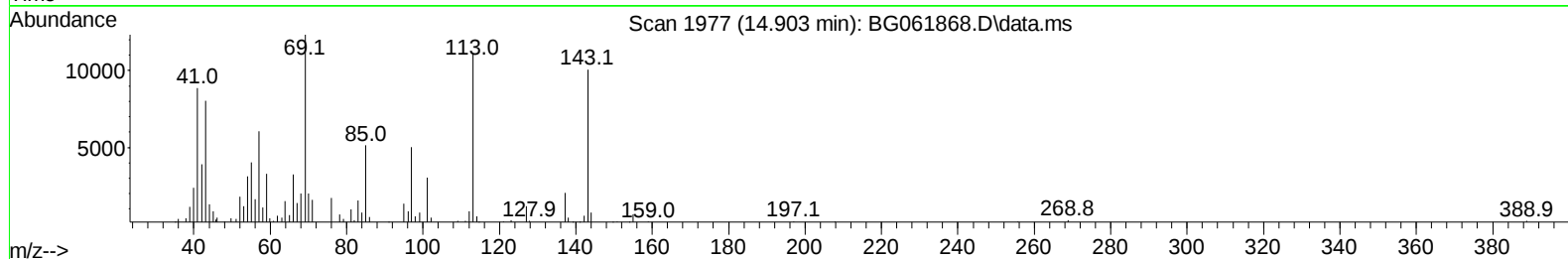
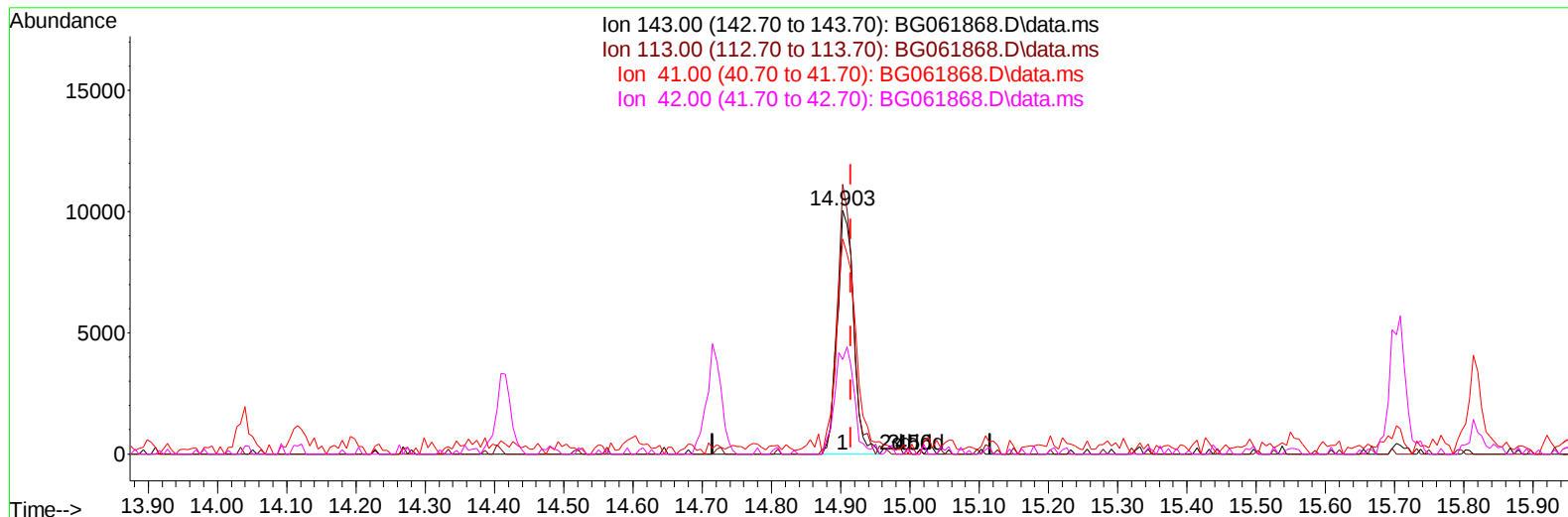
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:14:55 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: BG061868.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.903min (-0.012) 9.85 ng/ul m

response 16580

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	106.20	110.46
41.00	69.90	88.09#
42.00	41.10	38.67

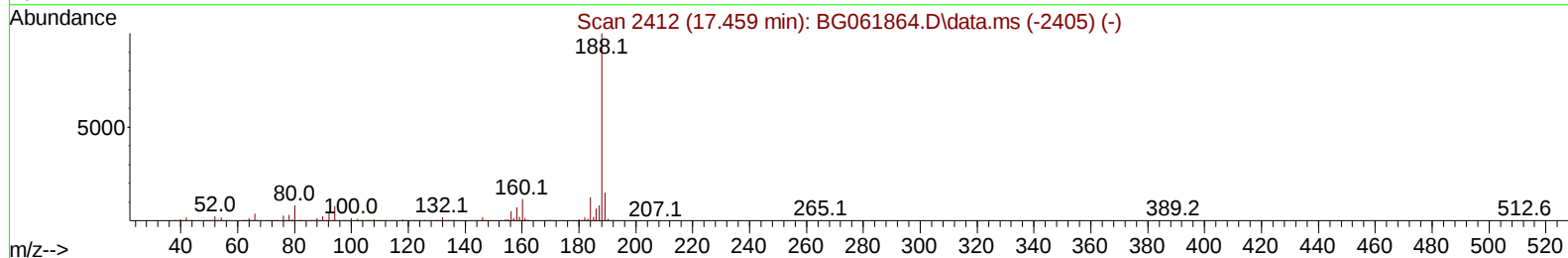
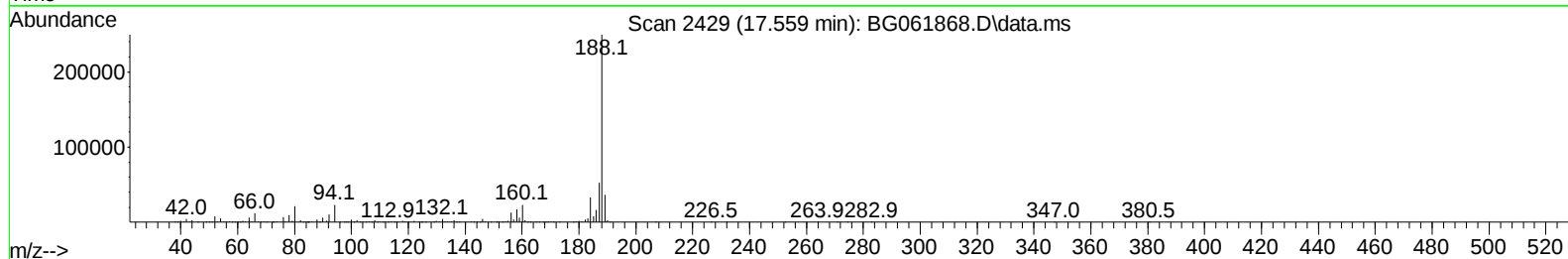
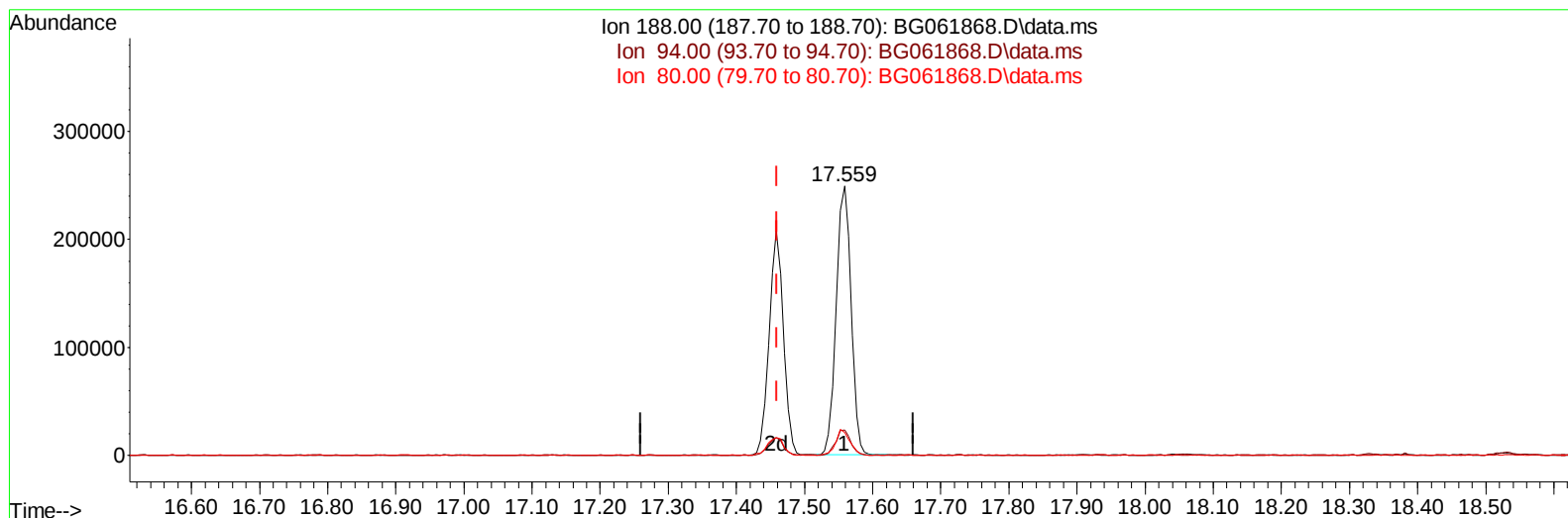
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:14:55 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: BG061868.D\data.ms

(64) Phenanthrene-d10 (I)

17.559min (+ 0.099) 20.00 ng/u1

response 377875

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.50	9.36
80.00	10.40	8.48
0.00	0.00	0.00

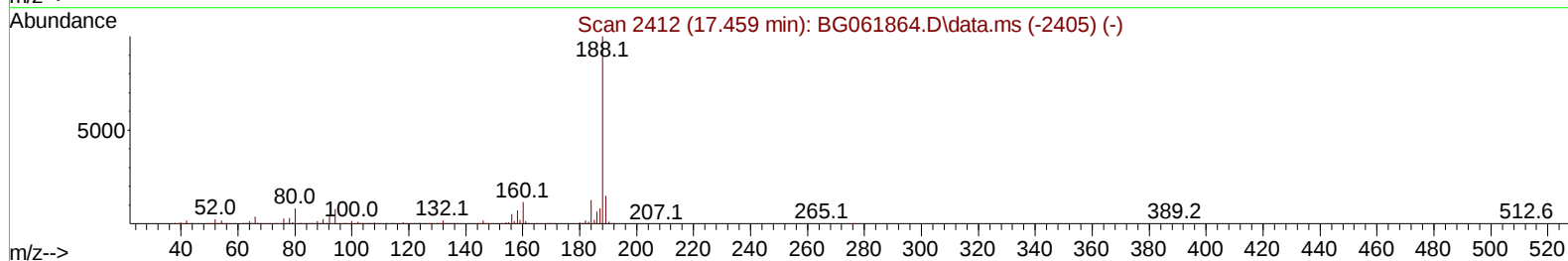
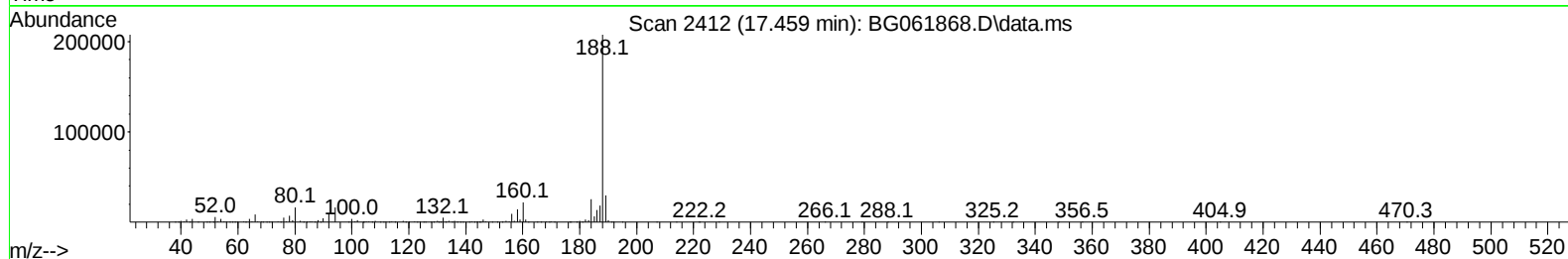
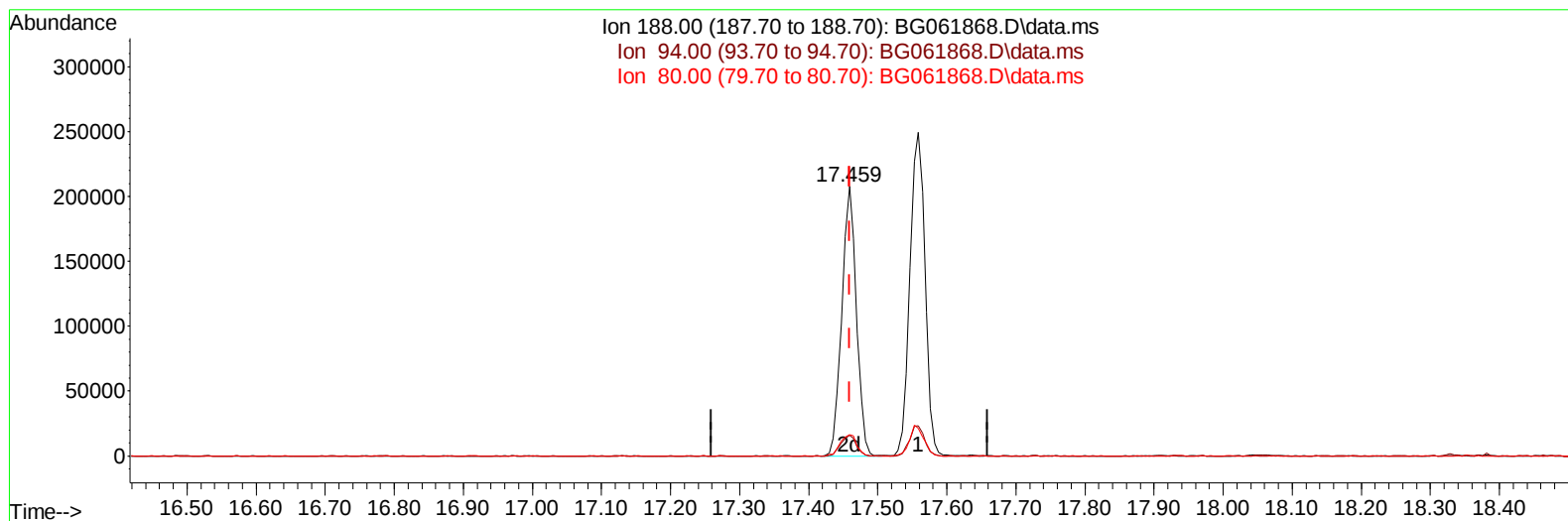
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:14:55 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: BG061868.D\data.ms

(64) Phenanthrene-d10 (I)

17.459min (-0.001) 20.00 ng/ul m

response 303943

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.50	7.77
80.00	10.40	7.93#
0.00	0.00	0.00

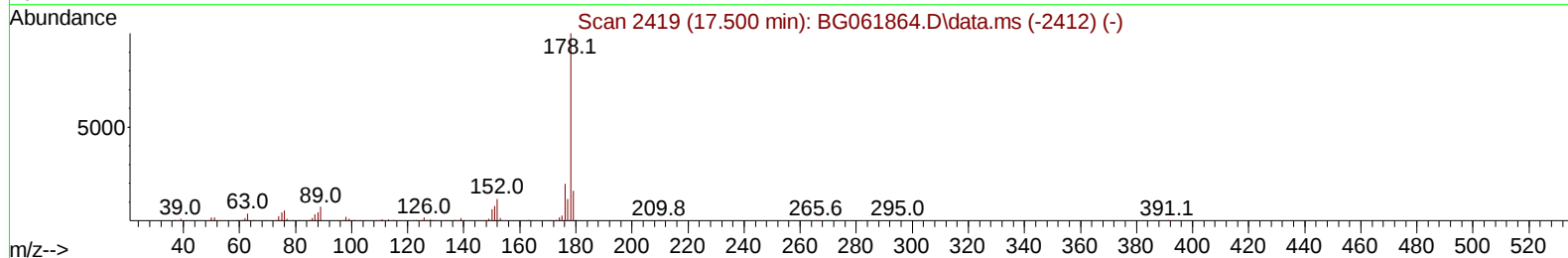
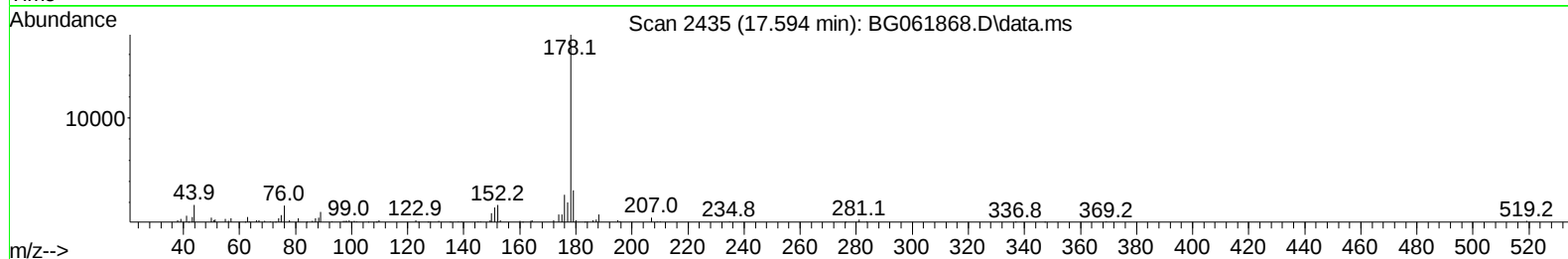
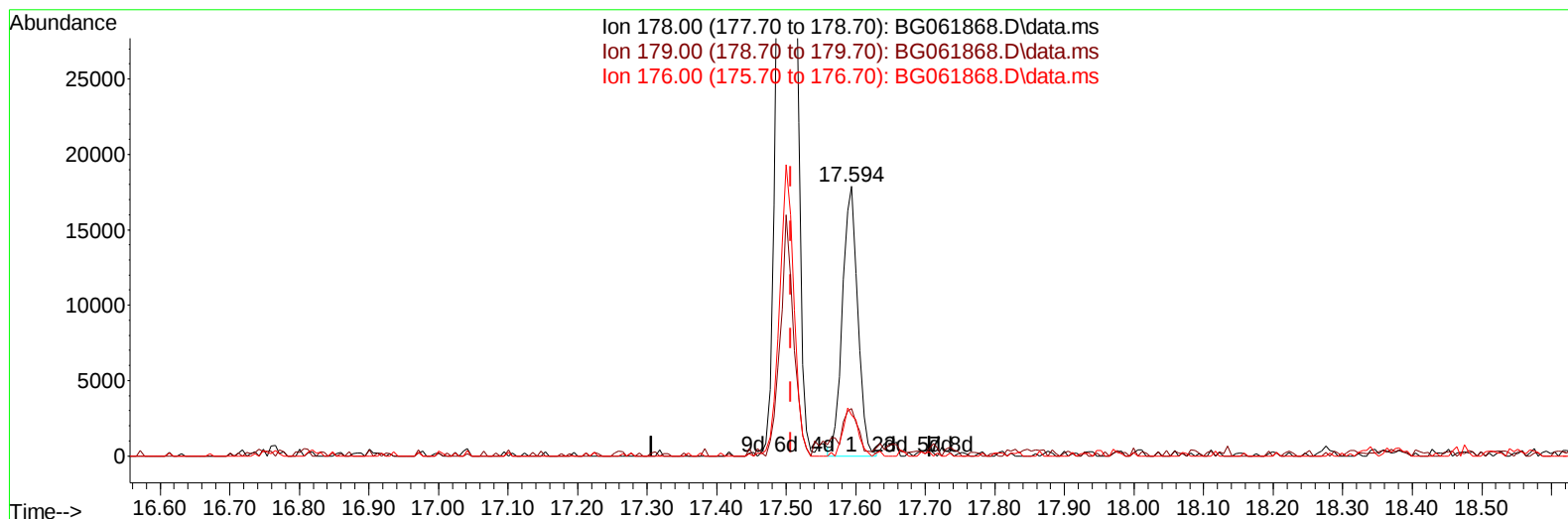
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
 Data File : BG061868.D
 Acq On : 3 Jul 2024 17:42
 Operator : MA/JU
 Sample : P3065-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:17:30 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: BG061868.D\data.ms

(72) Phenanthrene

17.594min (+ 0.087) 1.69 ng/u1

response 27024

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.90	17.69
176.00	19.40	15.21#
0.00	0.00	0.00

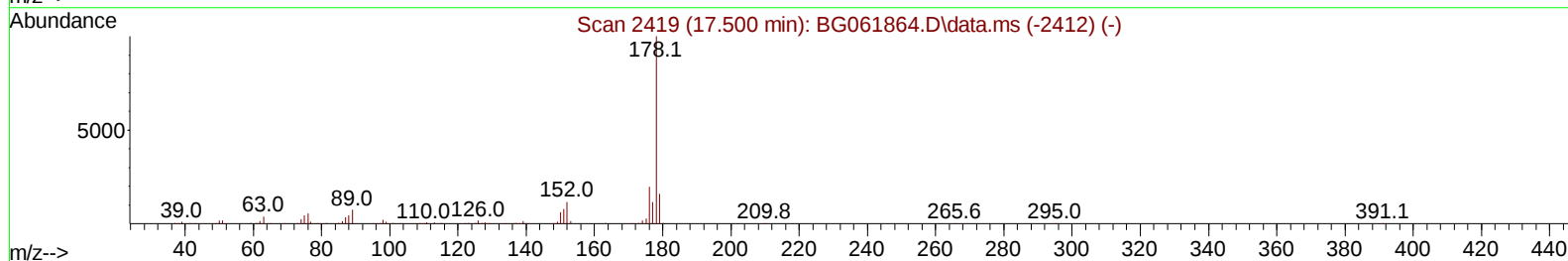
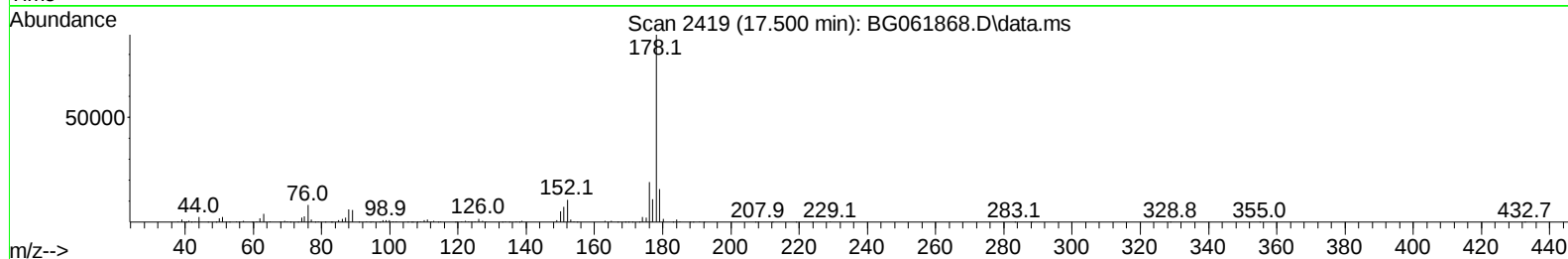
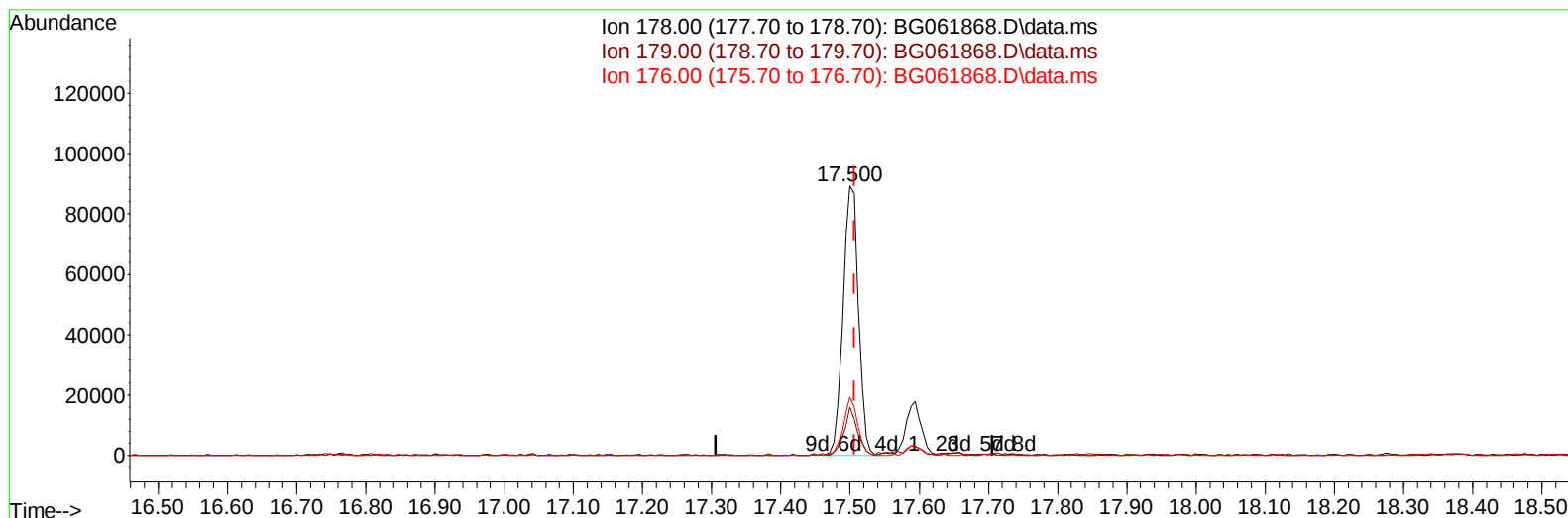
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
 Data File : BG061868.D
 Acq On : 3 Jul 2024 17:42
 Operator : MA/JU
 Sample : P3065-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:17:30 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: BG061868.D\data.ms

(72) Phenanthrene

17.500min (-0.007) 8.65 ng/ul m

response 138582

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.90	17.92#
176.00	19.40	21.62
0.00	0.00	0.00

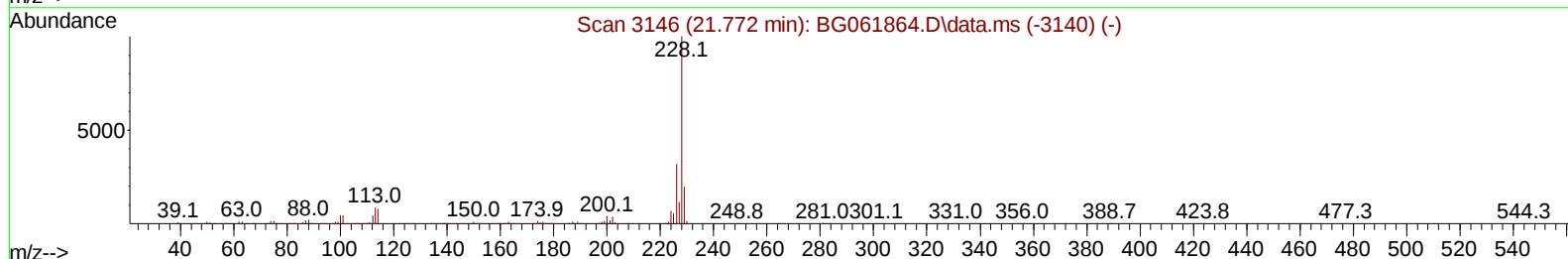
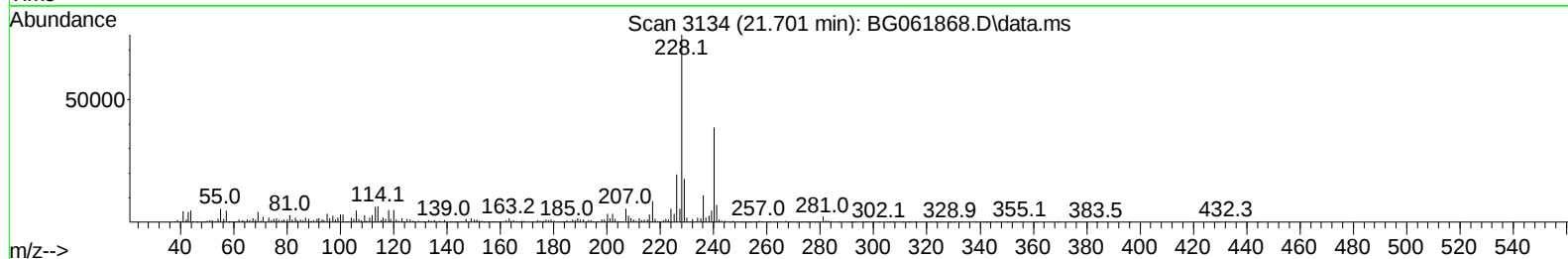
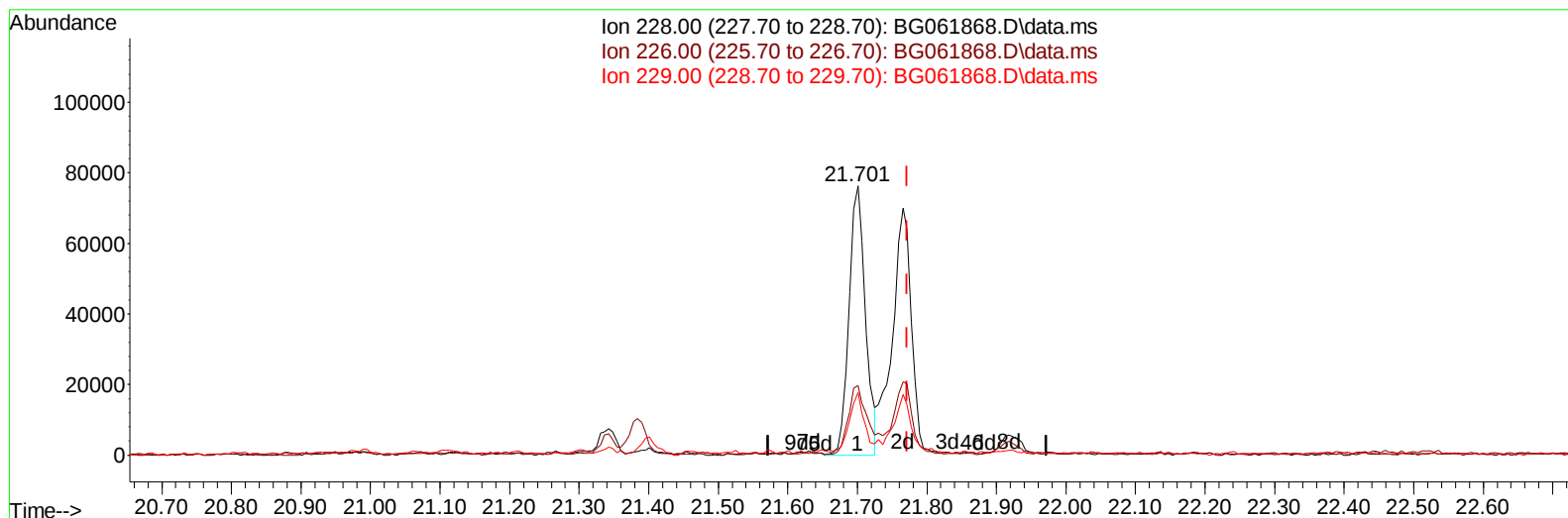
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:17:58 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: BG061868.D\data.ms

(87) Chrysene

21.701min (-0.071) 6.81 ng/u1

response 125561

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.10	25.73
229.00	19.40	23.25
0.00	0.00	0.00

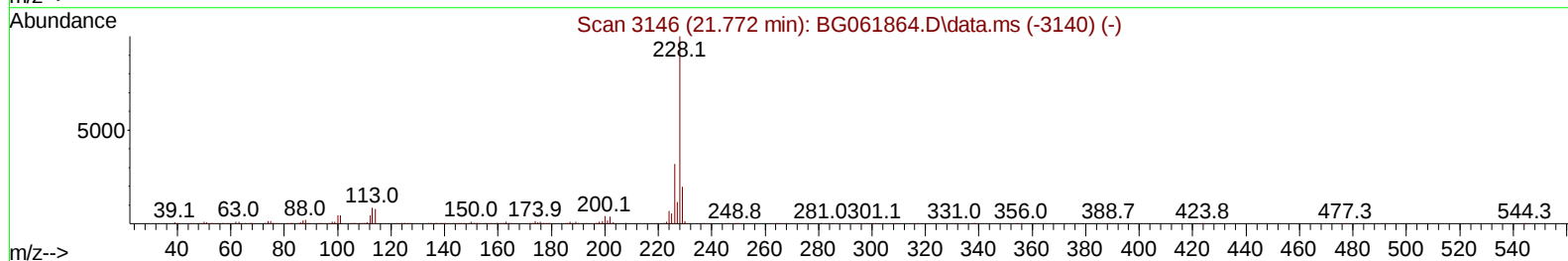
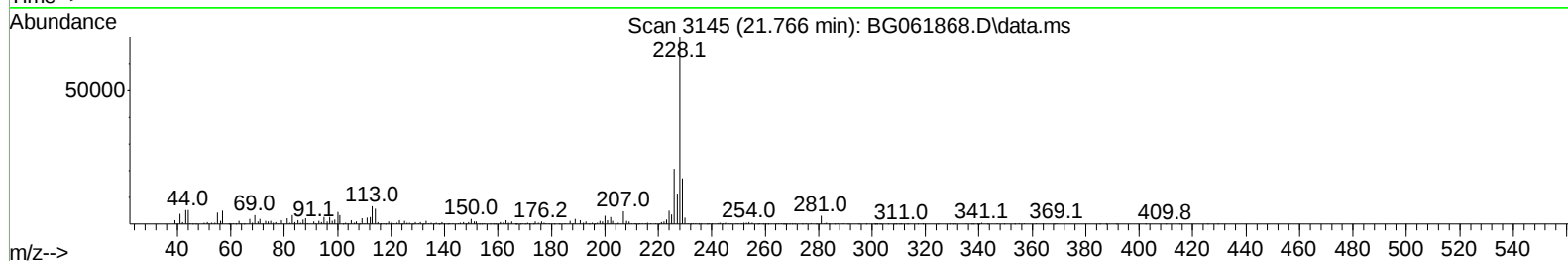
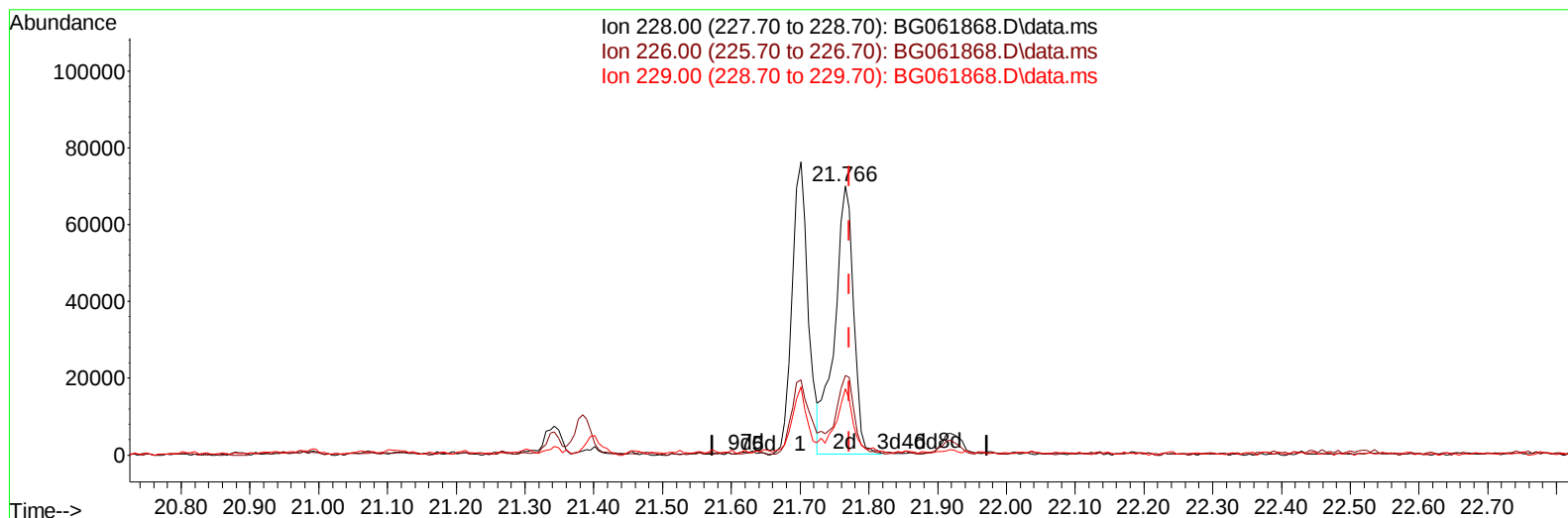
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:17:58 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: BG061868.D\data.ms

(87) Chrysene

21.766min (-0.007) 7.27 ng/u1 m

response 133991

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.10	29.59
229.00	19.40	24.67#
0.00	0.00	0.00

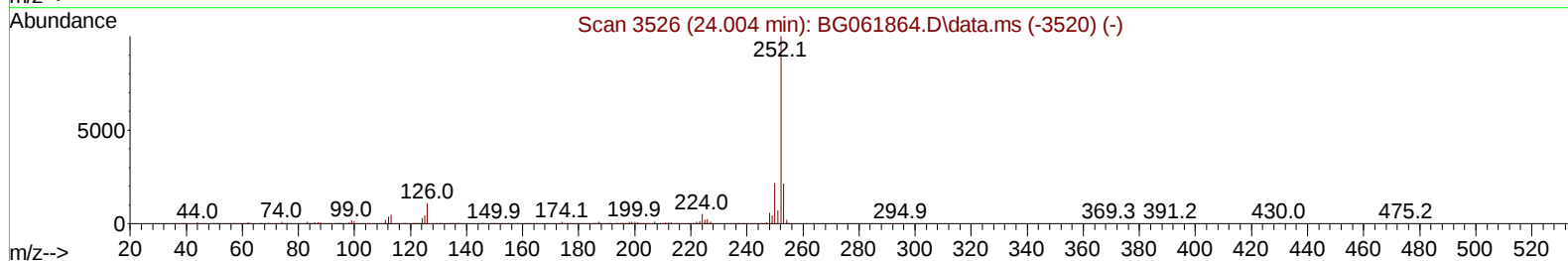
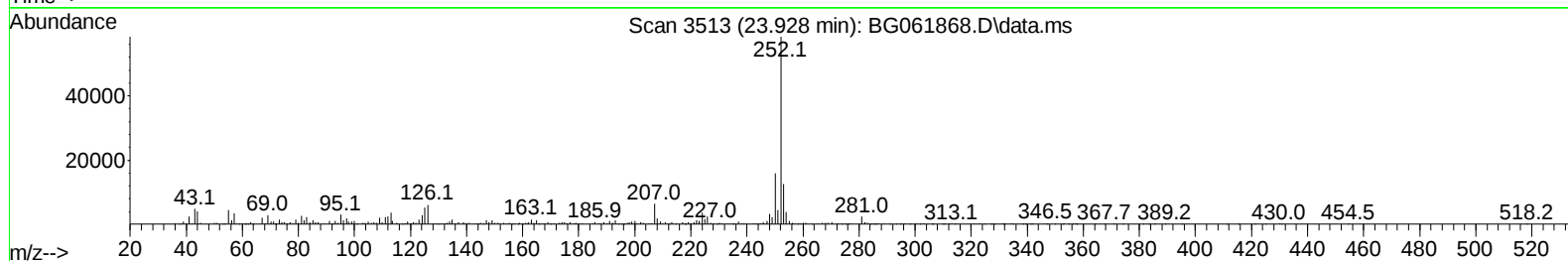
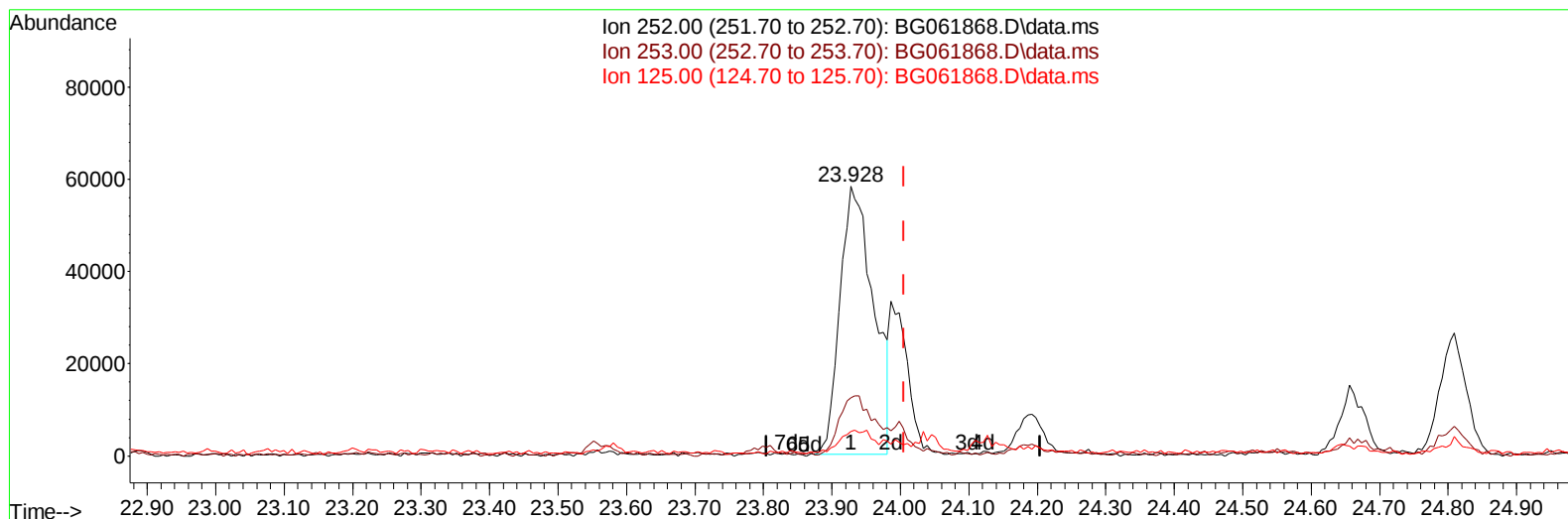
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:17:58 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: BG061868.D\data.ms

(91) Benzo(k)fluoranthene

23.928min (-0.077) 9.70 ng/u1

response 196979

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	21.52
125.00	7.90	9.05
0.00	0.00	0.00

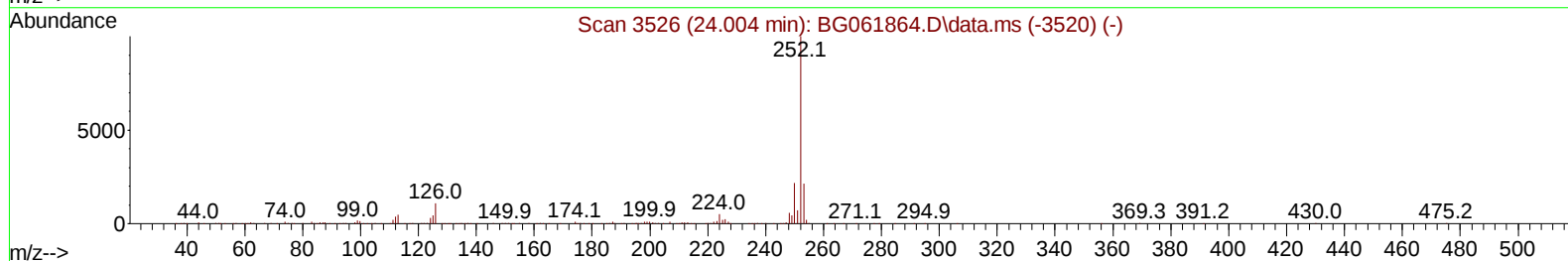
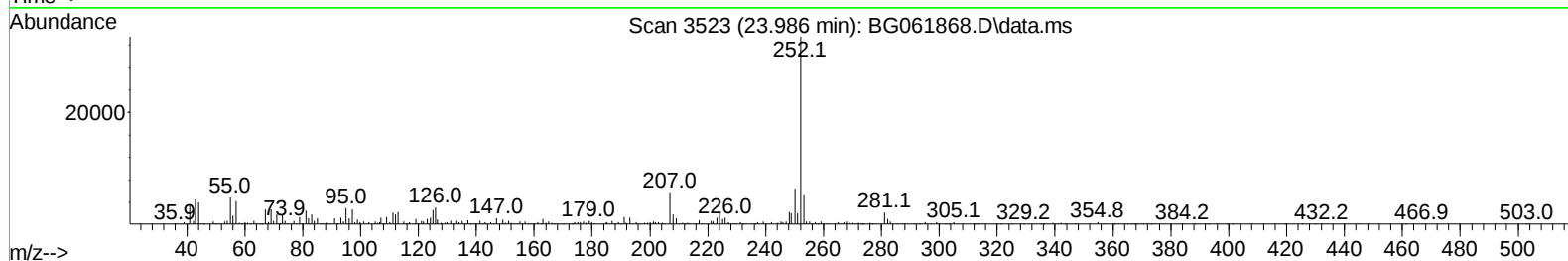
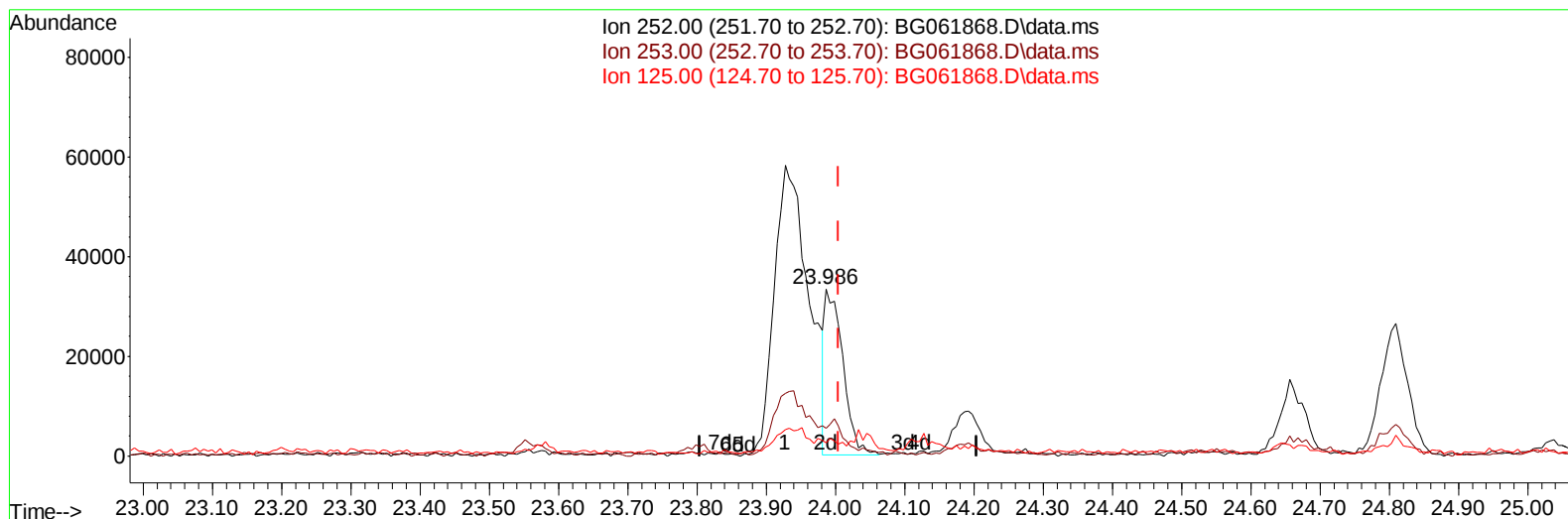
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:17:58 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: BG061868.D\data.ms

(91) Benzo(k)fluoranthene

23.986min (-0.018) 2.98 ng/u1 m

response 60491

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	16.46#
125.00	7.90	7.84
0.00	0.00	0.00

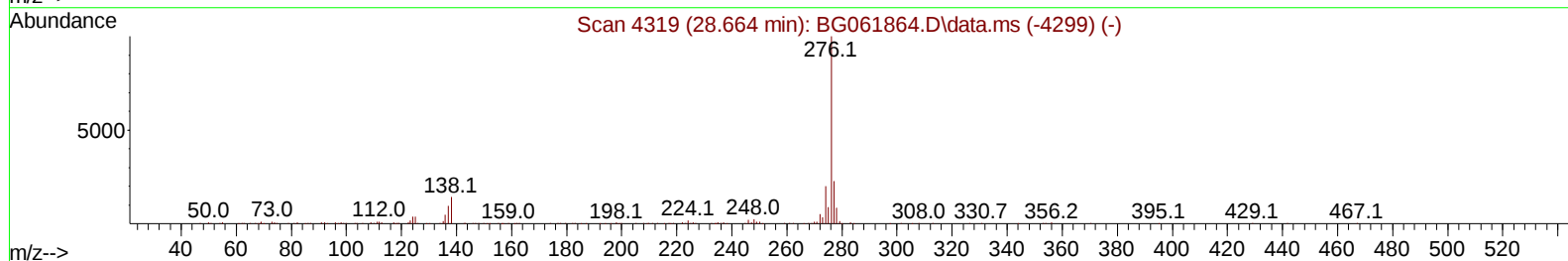
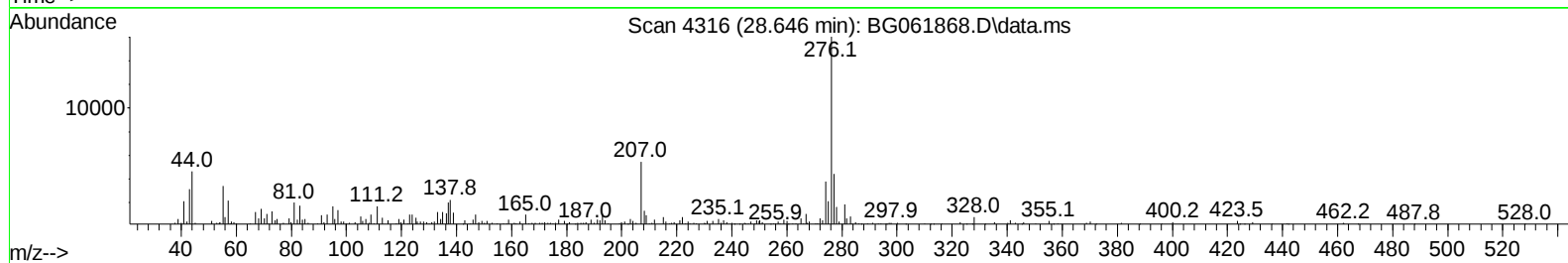
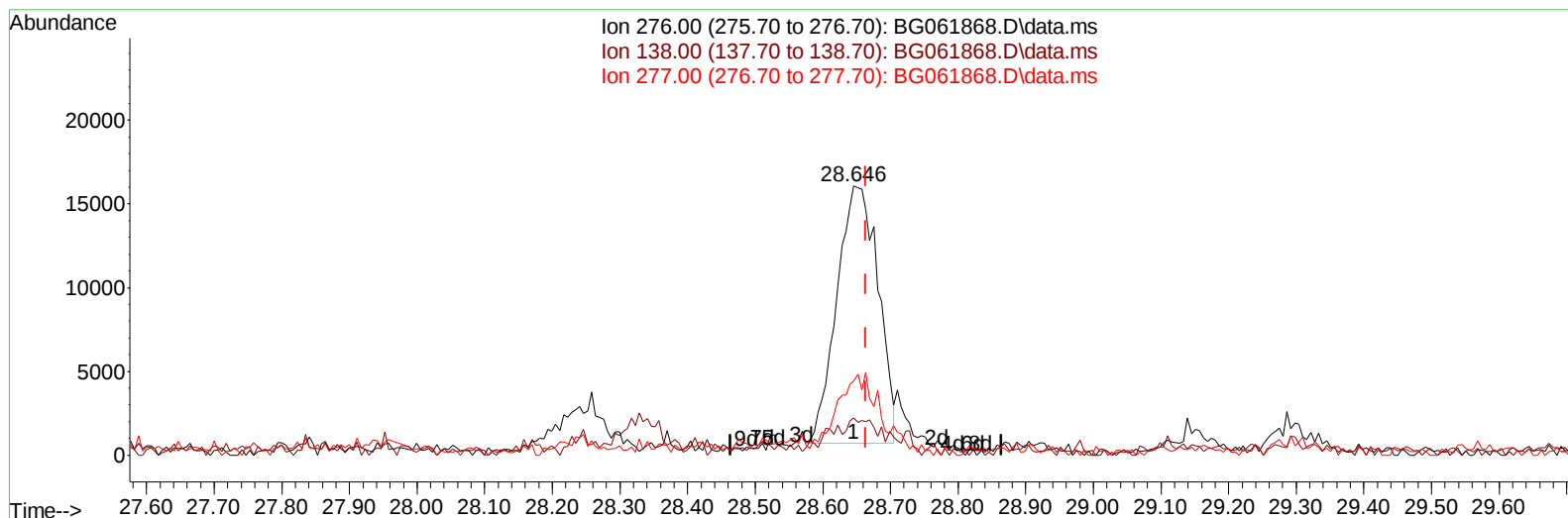
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:17:58 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: BG061868.D\data.ms

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

28.646min (-0.018) 2.64 ng/u1

response 65098

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.90	13.79
277.00	24.10	27.58
0.00	0.00	0.00

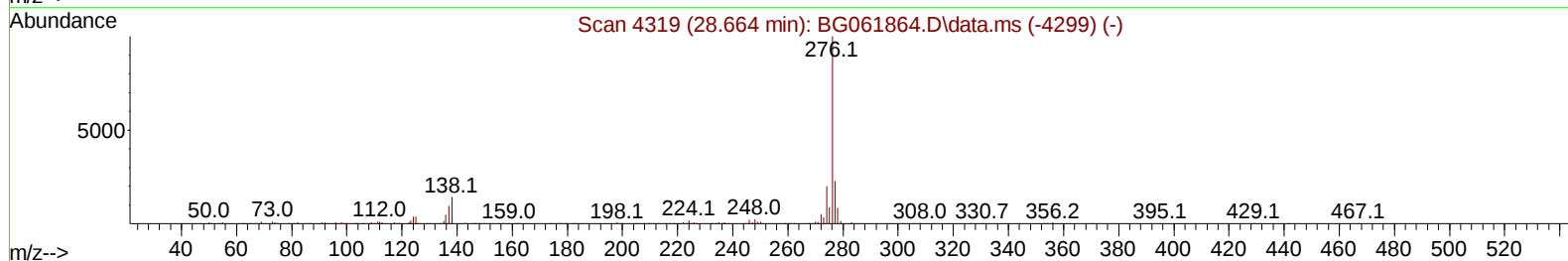
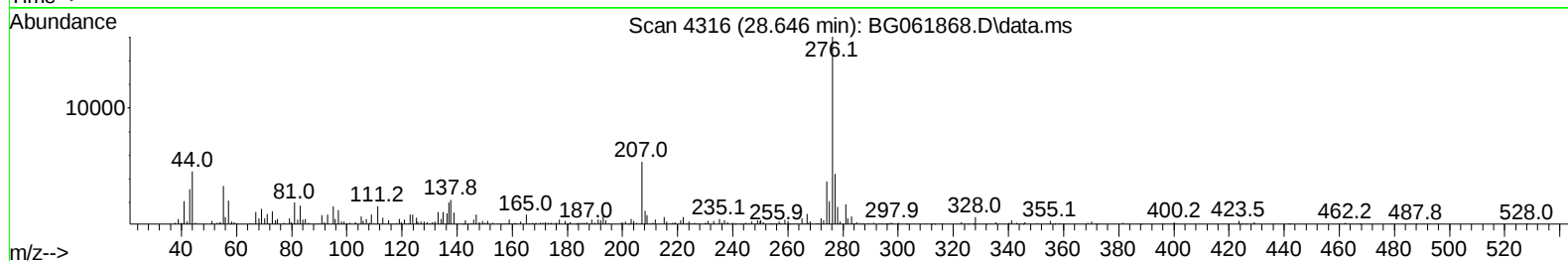
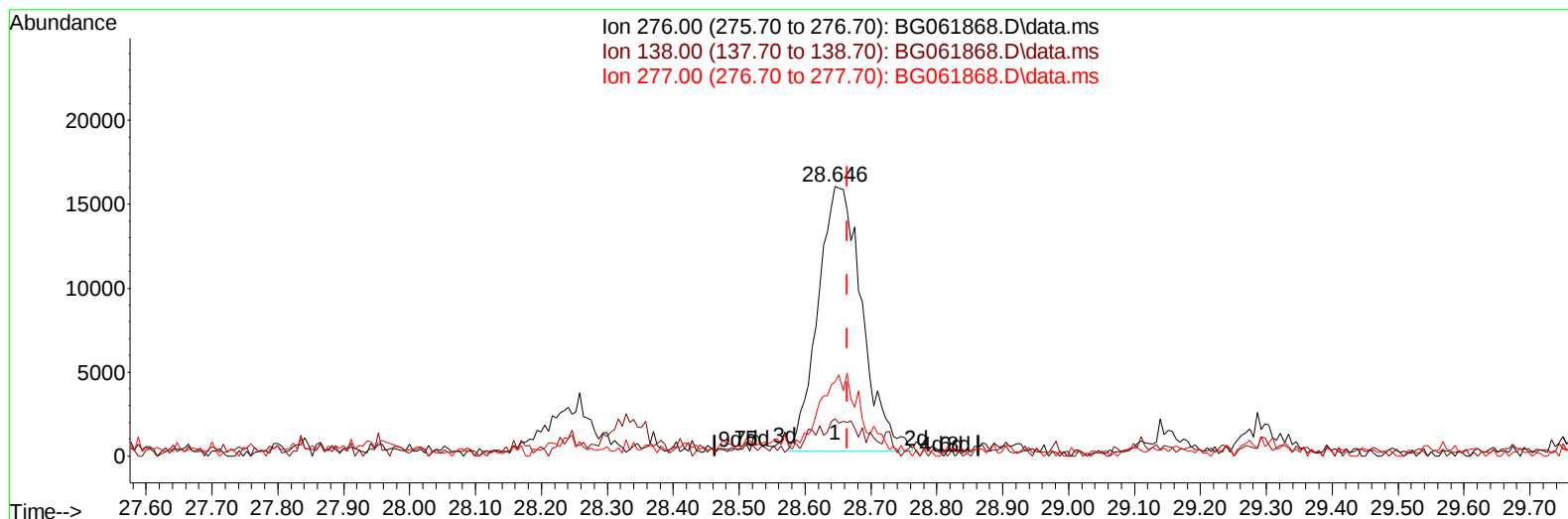
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061868.D
Acq On : 3 Jul 2024 17:42
Operator : MA/JU
Sample : P3065-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:17:58 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: BG061868.D\data.ms

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

28.646min (-0.018) 2.96 ng/ul m

response 72905

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.90	13.79
277.00	24.10	27.58
0.00	0.00	0.00

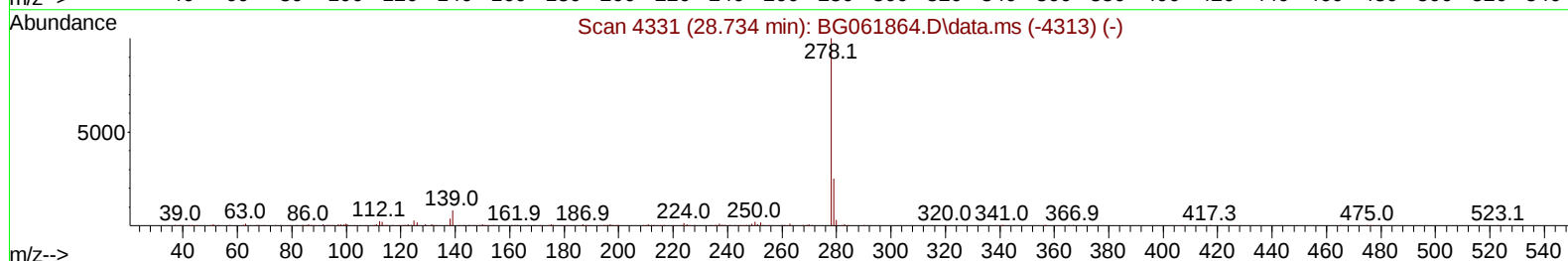
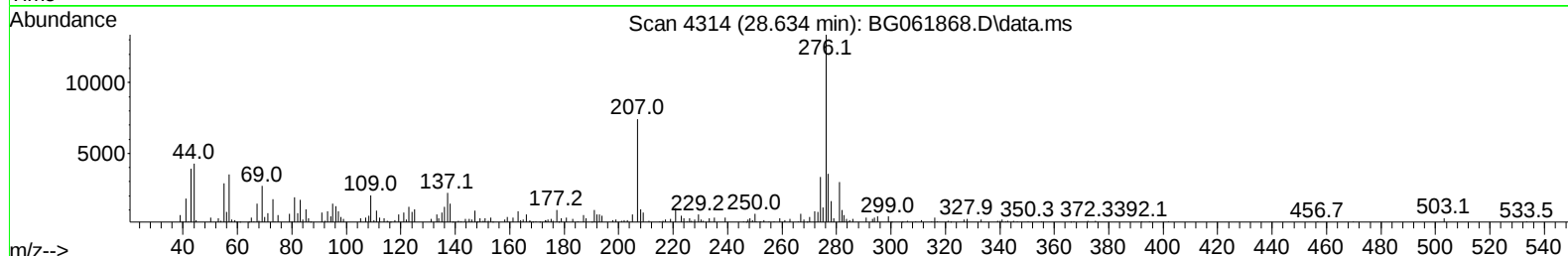
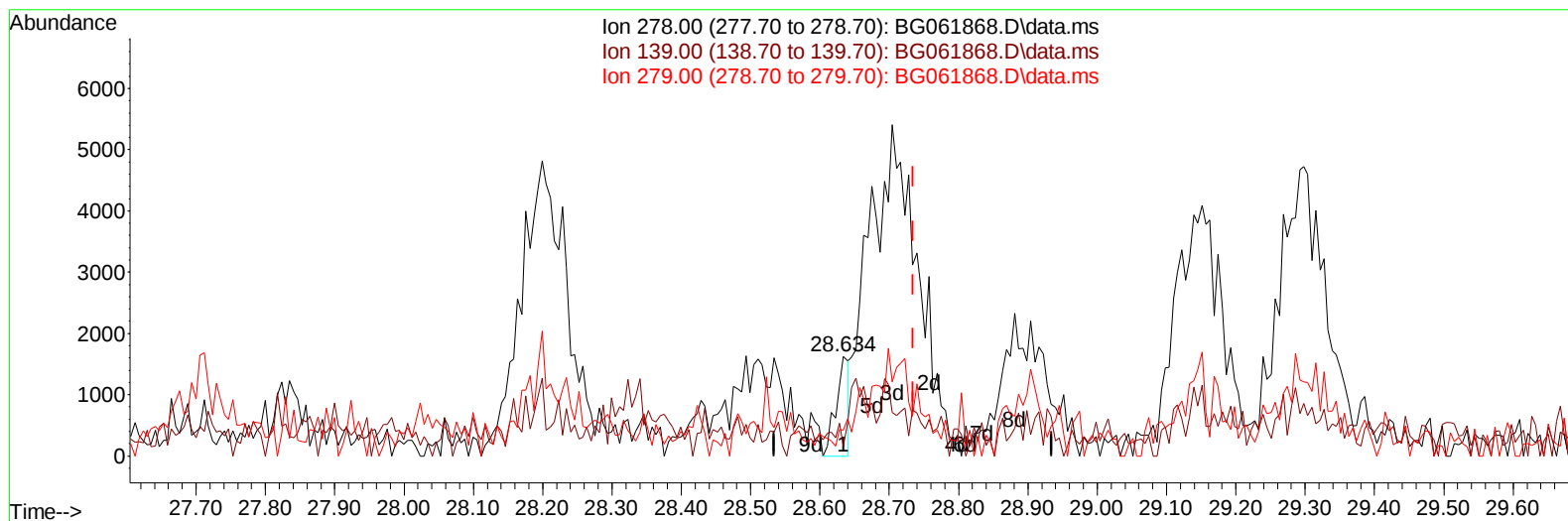
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
 Data File : BG061868.D
 Acq On : 3 Jul 2024 17:42
 Operator : MA/JU
 Sample : P3065-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:19:23 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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TIC: BG061868.D\data.ms

(95) Dibenzo(a,h)anthracene

28.634min (-0.101) 0.10 ng/u1

response 2049

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	10.16
279.00	23.50	25.74
0.00	0.00	0.00

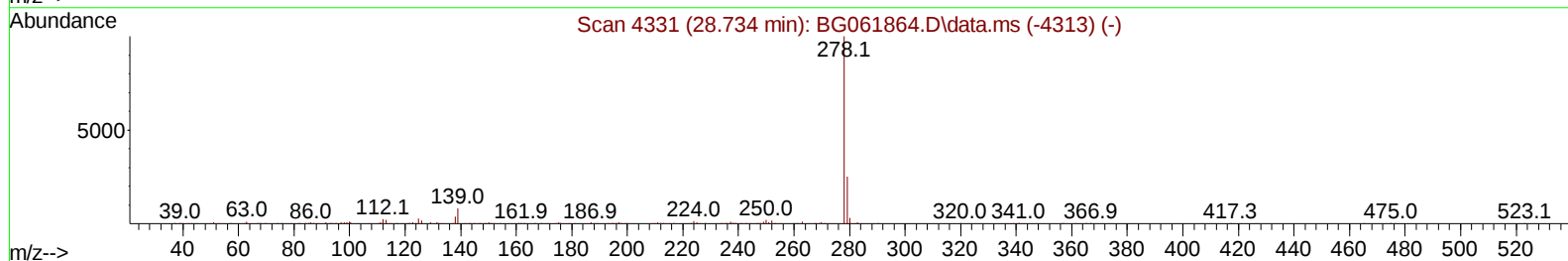
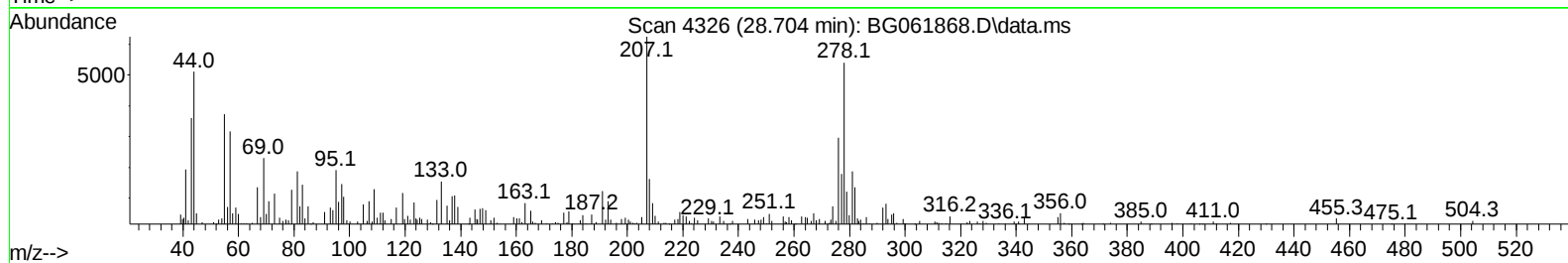
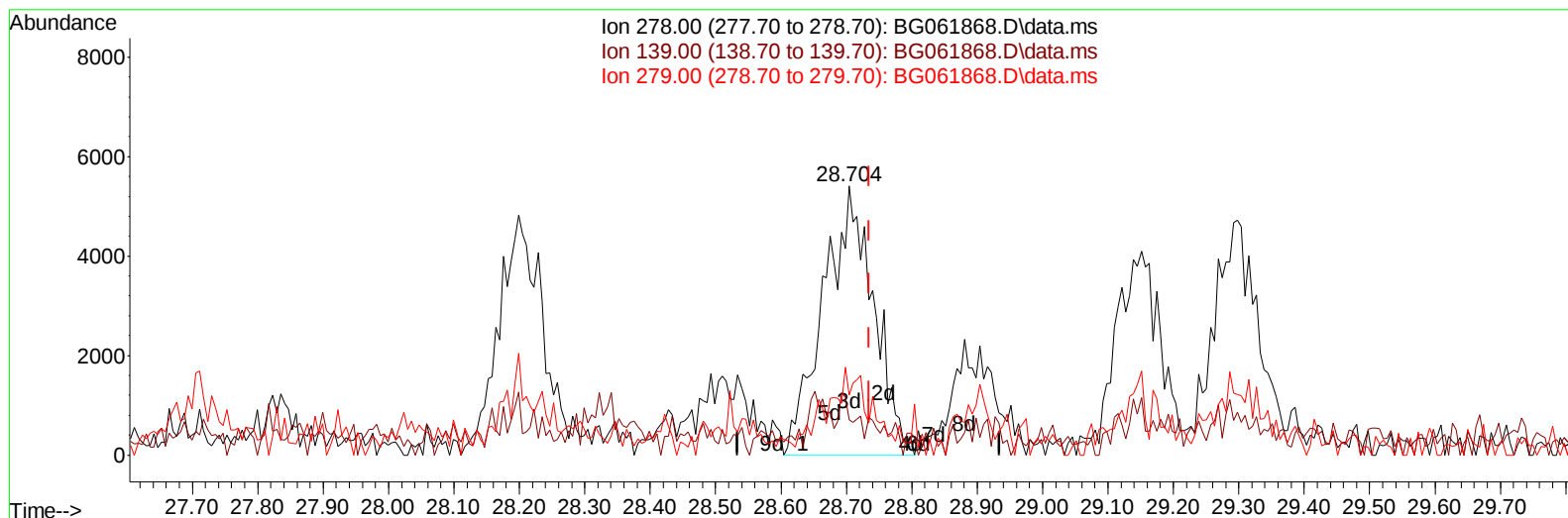
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
 Data File : BG061868.D
 Acq On : 3 Jul 2024 17:42
 Operator : MA/JU
 Sample : P3065-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD3

Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:19:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
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TIC: BG061868.D\data.ms

(95) Dibenzo(a,h)anthracene

28.704min (-0.030) 1.41 ng/ul m

response 28692

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	13.15#
279.00	23.50	22.38
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
 Data File : BG061868.D
 Acq On : 3 Jul 2024 17:42
 Operator : MA/JU
 Sample : P3065-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD3

Manual IntegrationsAPPROVED

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

Quant Time: Jul 03 23:20:04 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	31623	20.000	ng/ul	0.00
20) Naphthalene-d8	10.908	136	168797	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.721	164	128197	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.459	188	303943m	20.000	ng/ul	0.00
79) Chrysene-d12	21.719	240	271841	20.000	ng/ul	0.00
88) Perylene-d12	24.968	264	323219	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.487	96	2892	3.437	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.247	99	83247	24.055	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.418	67	53465	24.396	ng/ul	0.00
11) 2-Chlorophenol-d4	7.623	132	63542	26.767	ng/ul	0.00
15) 4-Methylphenol-d8	8.793	113	70684	25.941	ng/ul	0.00
21) Nitrobenzene-d5	9.263	128	34493	26.869	ng/ul	0.00
24) 2-Nitrophenol-d4	9.985	143	33937	23.149	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.526	165	71518	25.292	ng/ul	0.00
31) 4-Chloroaniline-d4	11.049	131	11713m	2.853	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	262242	24.882	ng/ul	0.00
49) Acenaphthylene-d8	14.415	160	294363	26.710	ng/ul	0.00
54) 4-Nitrophenol-d4	14.903	143	16580m	9.851	ng/ul	-0.01
60) Fluorene-d10	15.708	176	239043	26.942	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.814	200	32895	20.608	ng/ul	-0.01
73) Anthracene-d10	17.559	188	378063	26.642	ng/ul	0.00
81) Pyrene-d10	19.838	212	386740	24.187	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.739	264	289183	18.040	ng/ul	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.500	178	138582m	8.647	ng/ul	
74) Anthracene	17.594	178	26279	1.587	ng/ul	93
80) Fluoranthene	19.503	202	268788	14.205	ng/ul#	95
82) Pyrene	19.862	202	194124	9.931	ng/ul	96
85) Benzo(a)anthracene	21.701	228	125561	6.379	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.601	149	32518	2.762	ng/ul	93
87) Chrysene	21.766	228	133991m	7.272	ng/ul	
90) Benzo(b)fluoranthene	23.928	252	198146	9.730	ng/ul	99
91) Benzo(k)fluoranthene	23.986	252	60491m	2.979	ng/ul	
93) Benzo(a)pyrene	24.809	252	69722	3.616	ng/ul#	90
94) Indeno(1,2,3-cd)pyrene	28.646	276	72905m	2.959	ng/ul	
95) Dibenzo(a,h)anthracene	28.704	278	28692m	1.410	ng/ul	

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

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BNA_G
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Manual IntegrationsAPPROVED

Quant Time: Jul 03 23:20:04 2024
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Reviewed By :Yogesh Patel 07/05/2024
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