

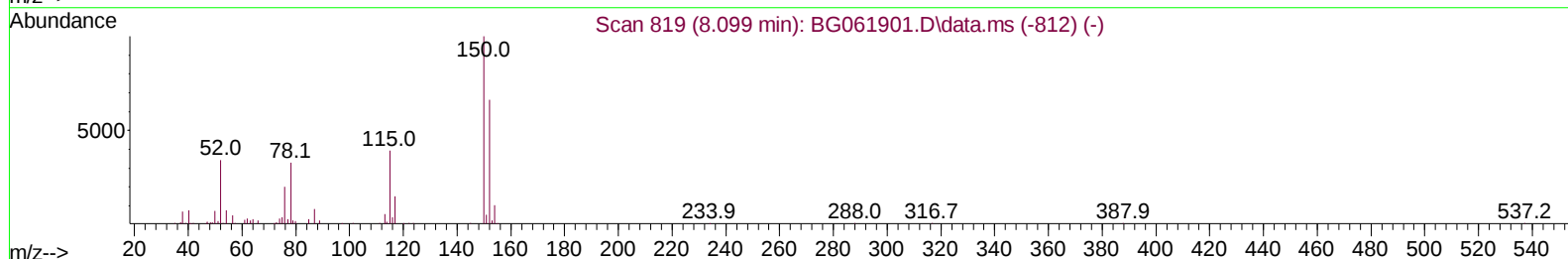
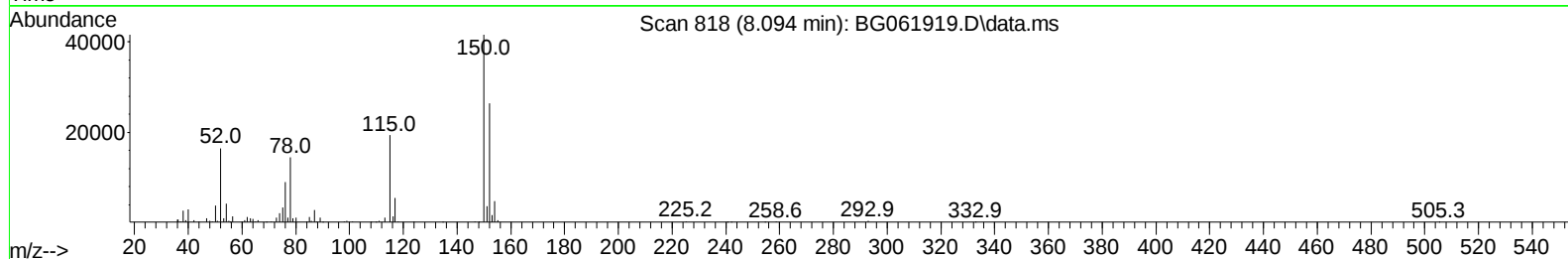
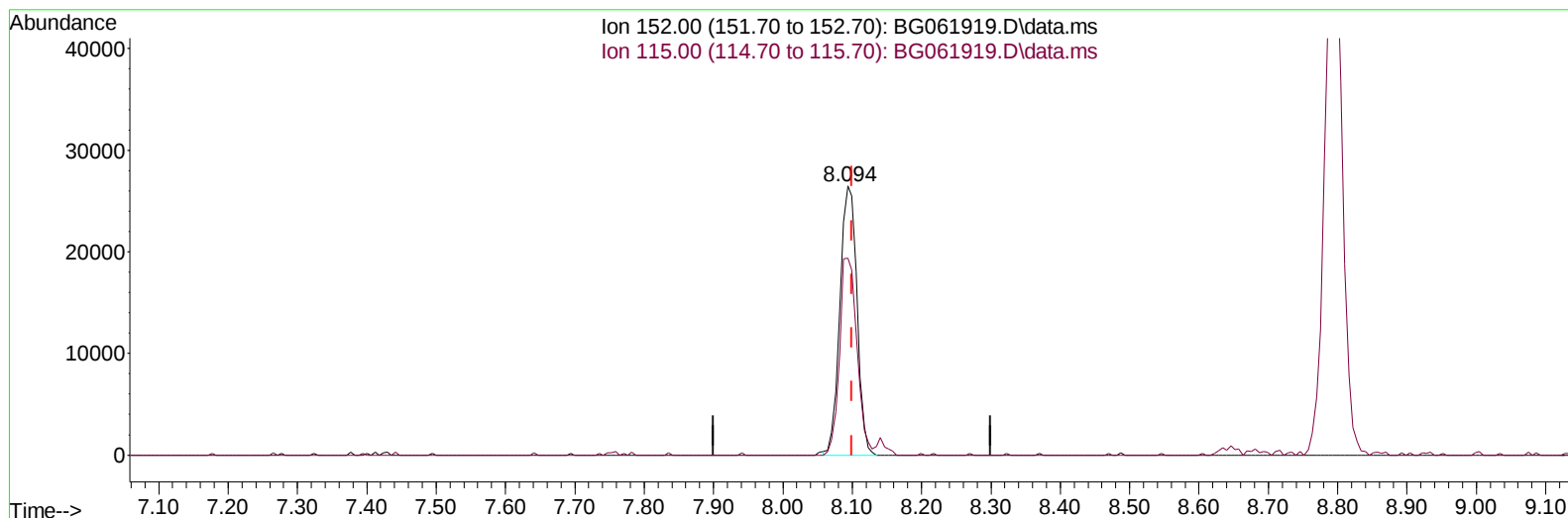
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/09/2024

Quant Time: Jul 08 00:43:20 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



TIC: BG061919.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

8.094min (-0.006) 20.00 ng/u1

response 44989

Ion	Exp%	Act%
152.00	100.00	100.00
115.00	71.00	73.22
0.00	0.00	0.00
0.00	0.00	0.00

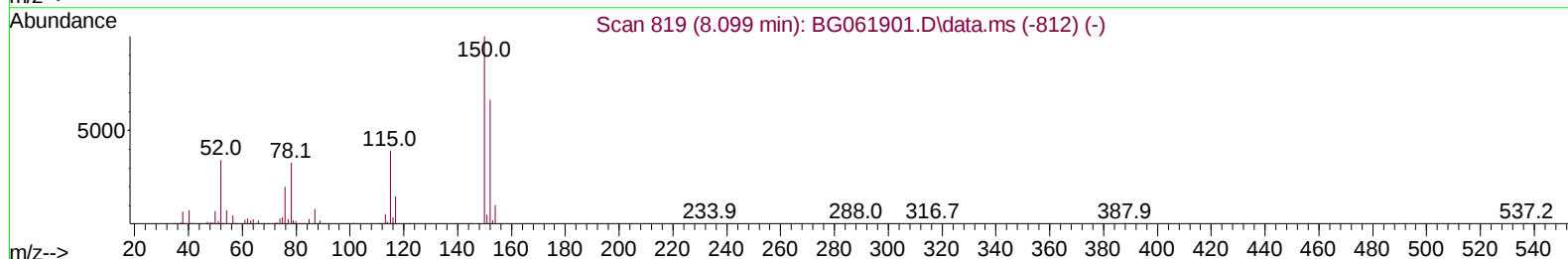
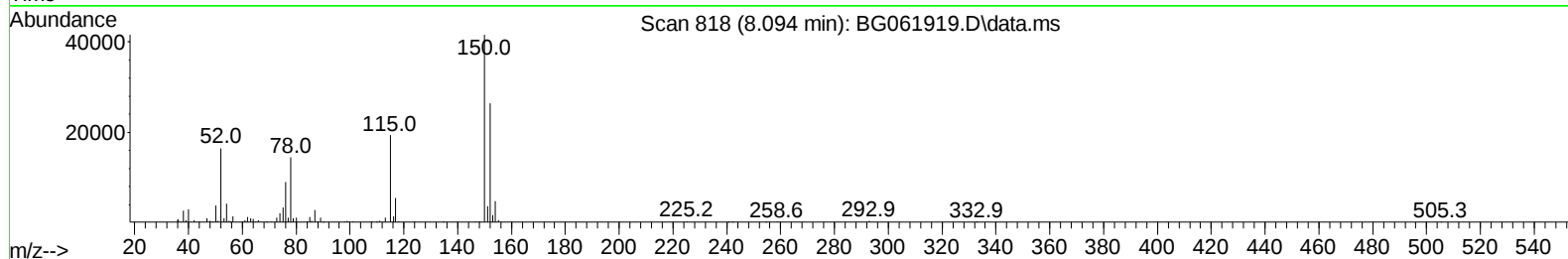
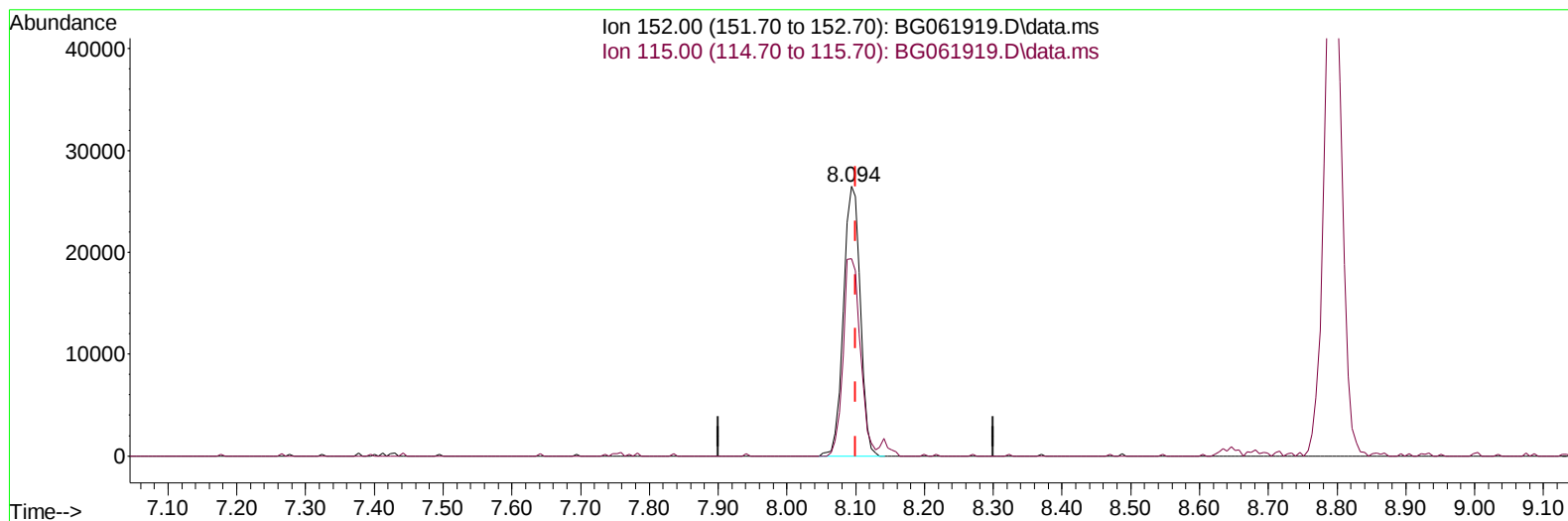
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:43:20 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

8.094min (-0.006) 20.00 ng/ul m

response 45221

Ion	Exp%	Act%
152.00	100.00	100.00
115.00	71.00	73.22
0.00	0.00	0.00
0.00	0.00	0.00

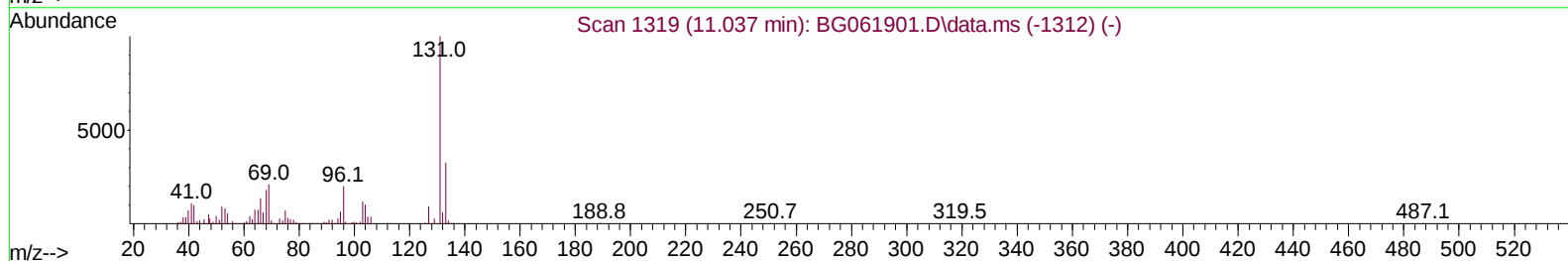
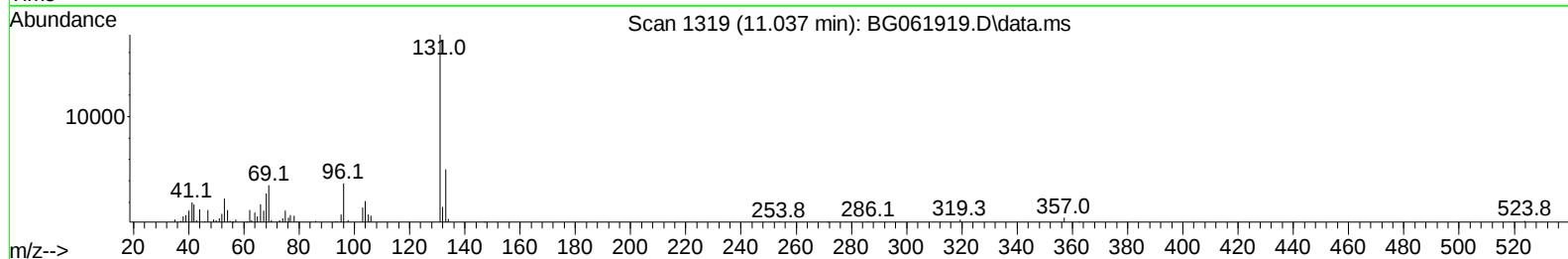
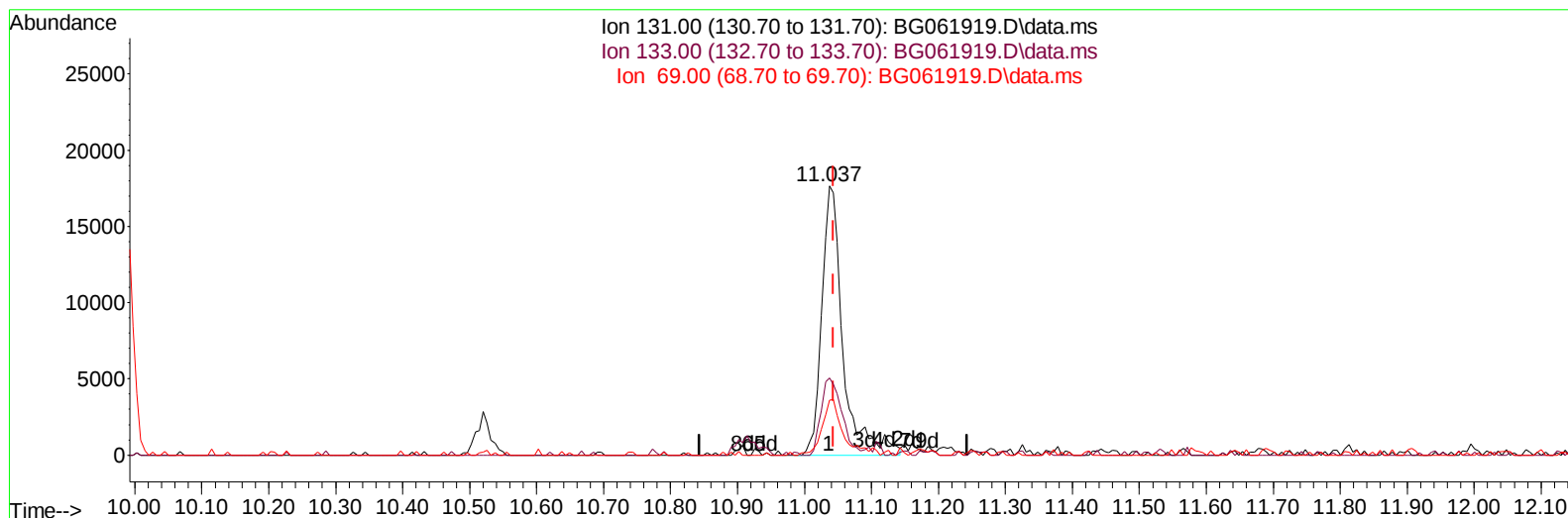
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:47:34 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.037min (-0.006) 7.04 ng/ul m

response 38649

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	28.78
69.00	21.00	20.51
0.00	0.00	0.00

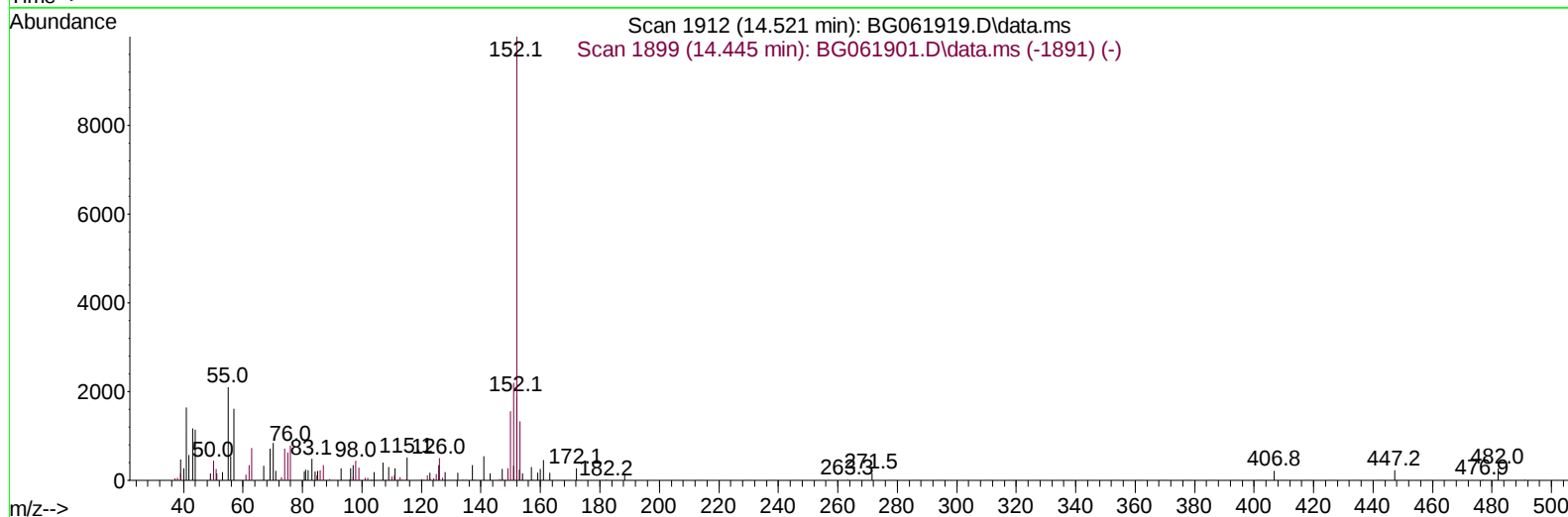
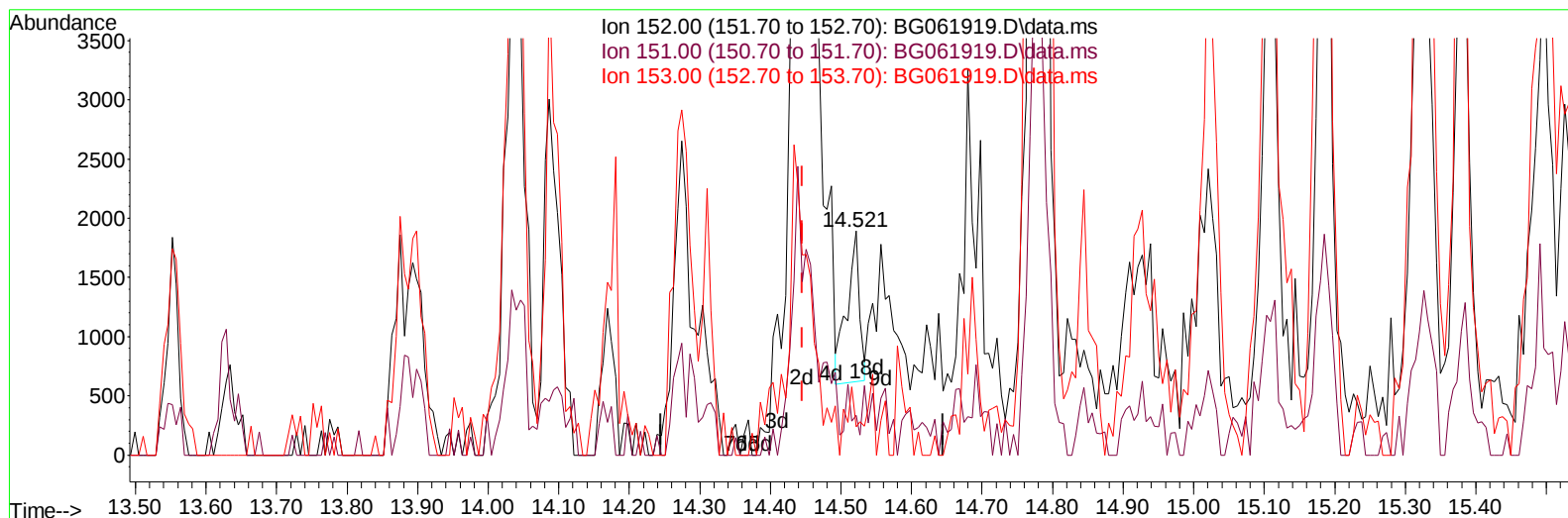
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
 Data File : BG061919.D
 Acq On : 6 Jul 2024 7:20
 Operator : MA/JU
 Sample : P2982-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:53:07 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 07/09/2024
 Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(50) Acenaphthylene

14.521min (+ 0.076) 0.10 ng/u1

response 1571

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.60	17.77
153.00	14.20	12.59
0.00	0.00	0.00

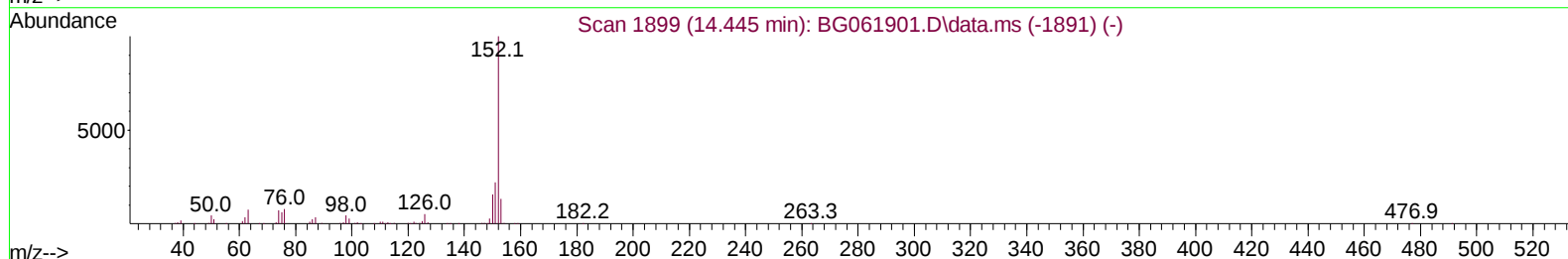
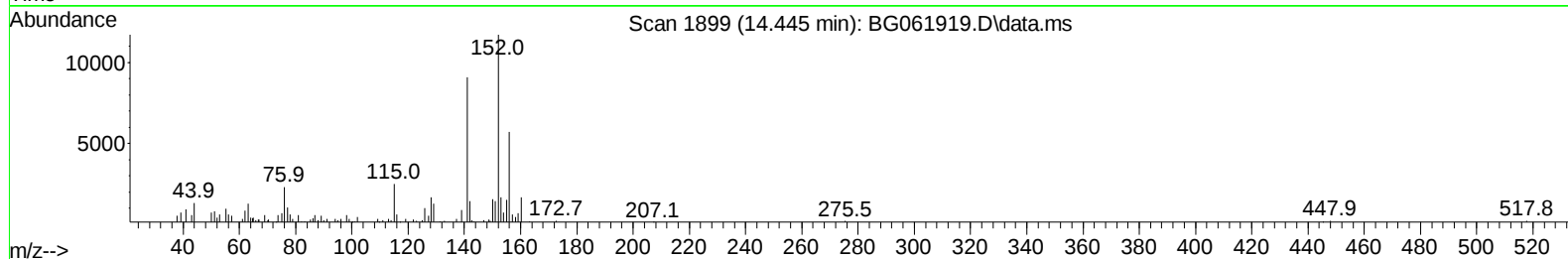
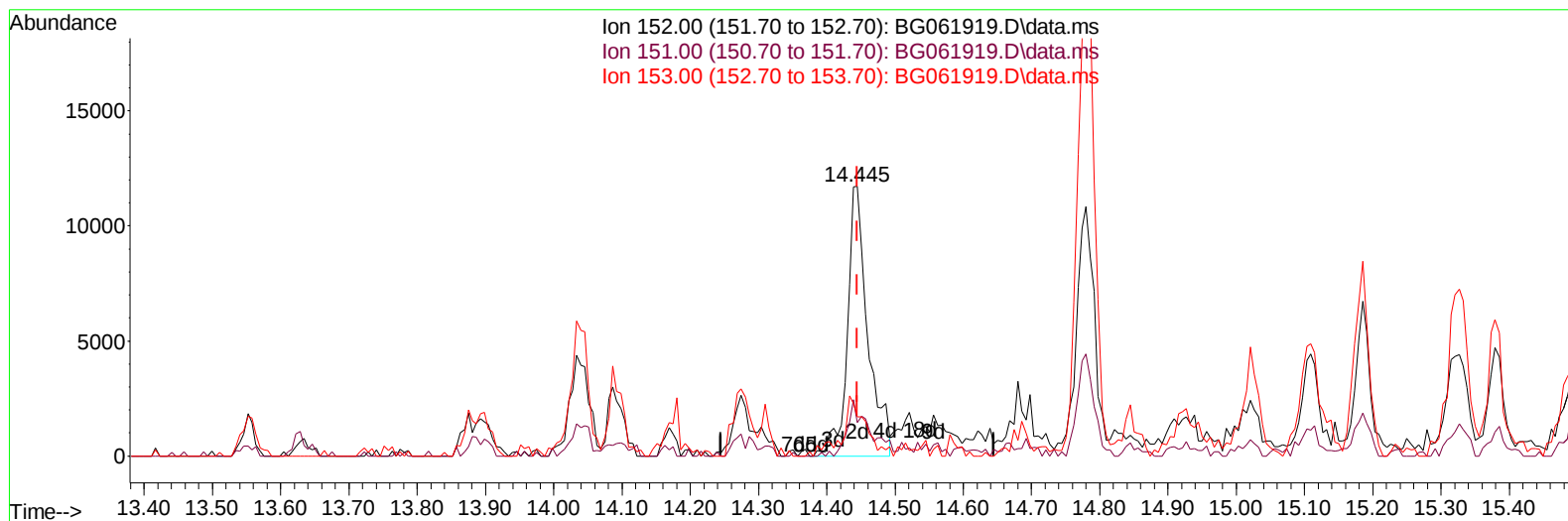
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:53:07 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(50) Acenaphthylene

14.445min (-0.000) 1.57 ng/ul m

response 24430

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.60	12.50#
153.00	14.20	14.41
0.00	0.00	0.00

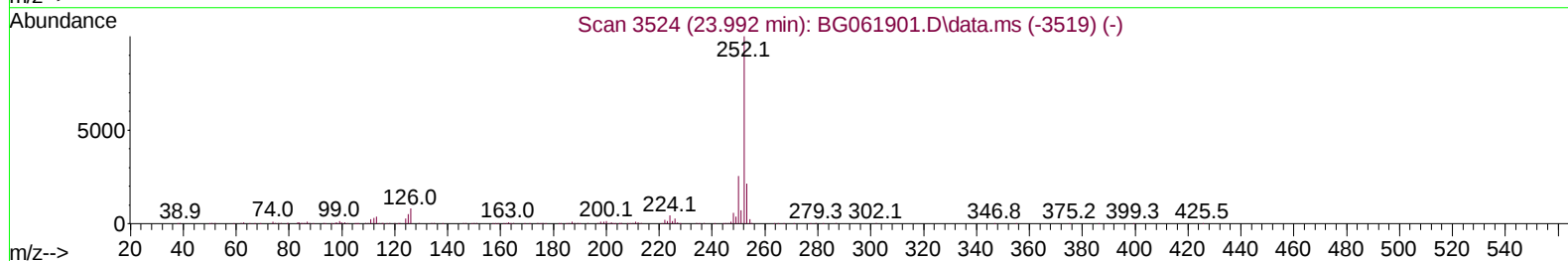
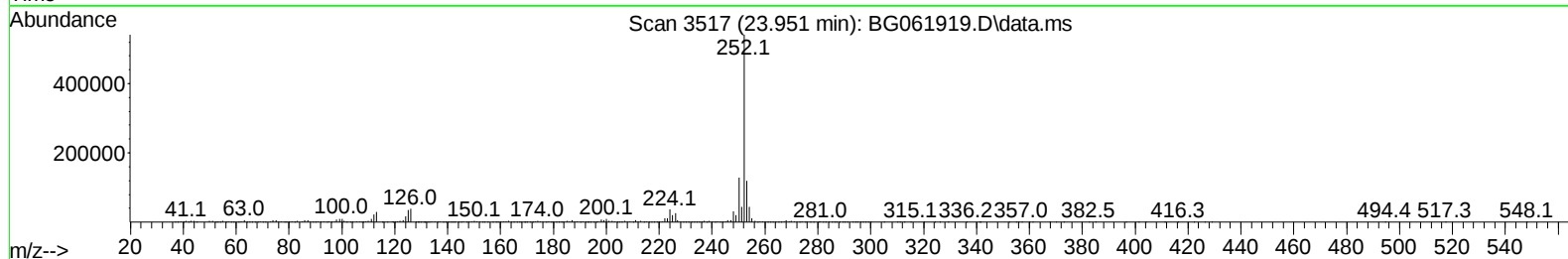
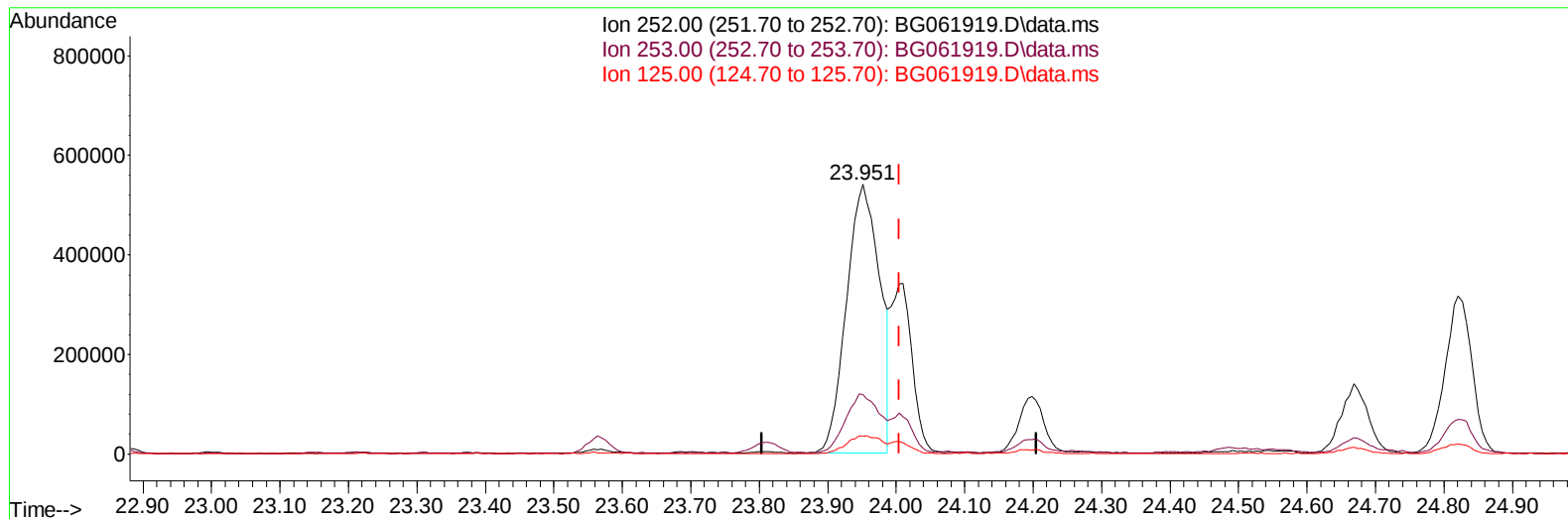
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:53:07 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(91) Benzo(k)fluoranthene

23.951min (-0.053) 74.24 ng/u1

response 1819056

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	22.02
125.00	7.90	6.57
0.00	0.00	0.00

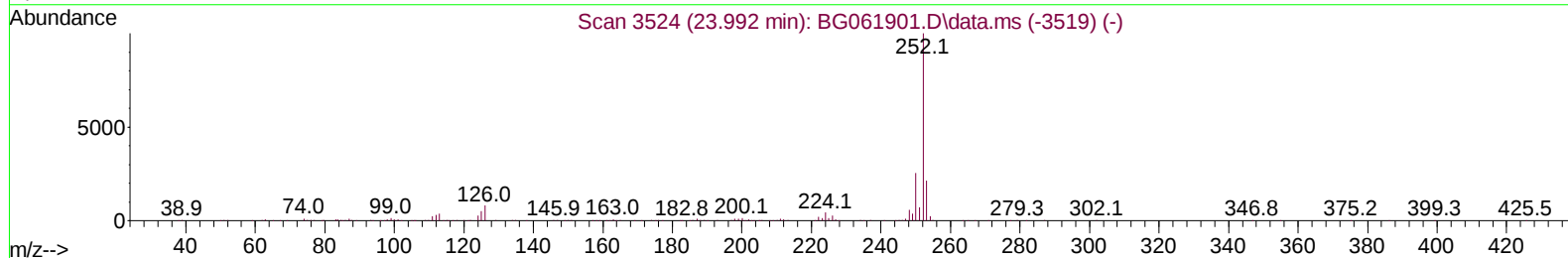
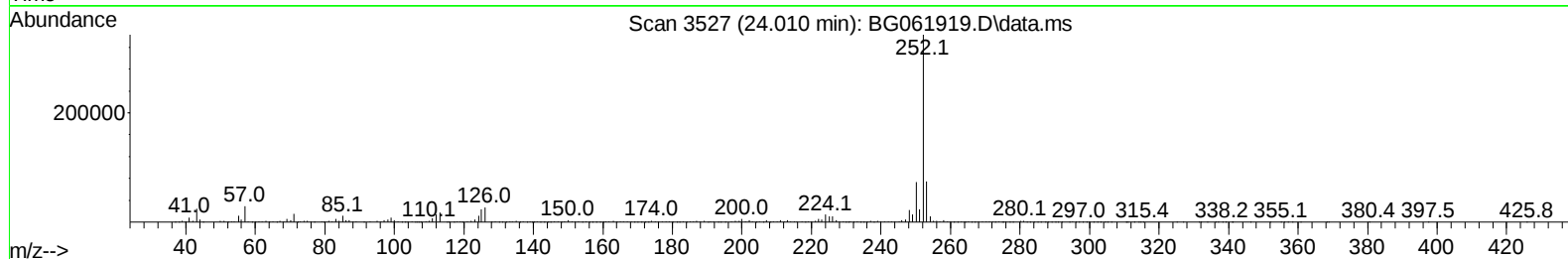
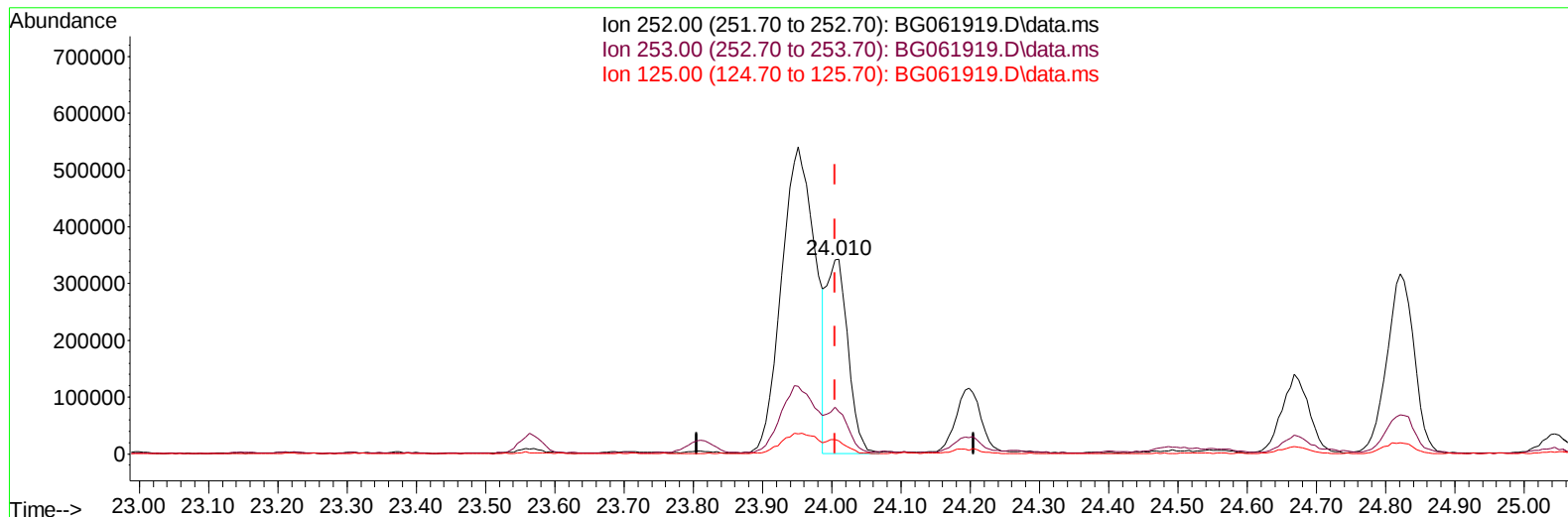
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:53:07 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(91) Benzo(k)fluoranthene

24.010min (+ 0.005) 29.71 ng/ul m

response 727954

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	21.77
125.00	7.90	6.70
0.00	0.00	0.00

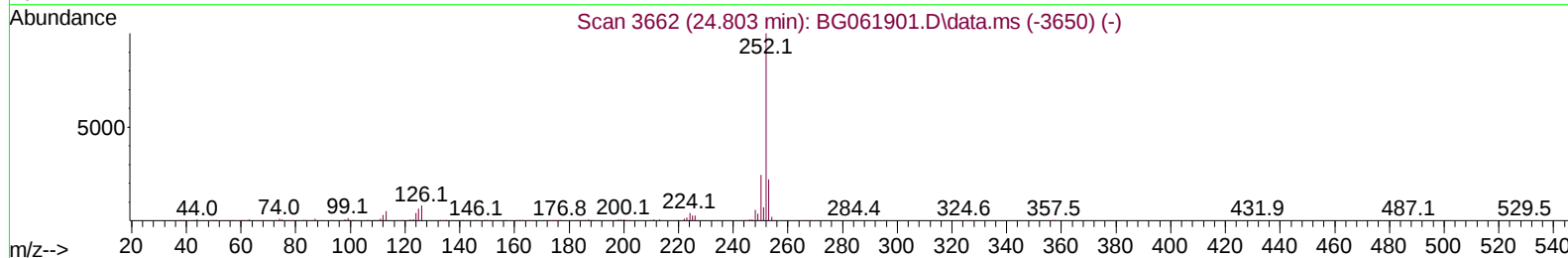
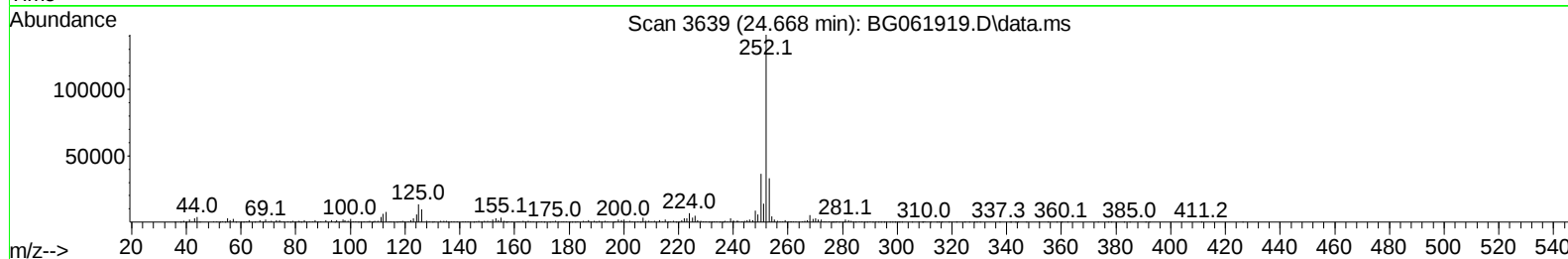
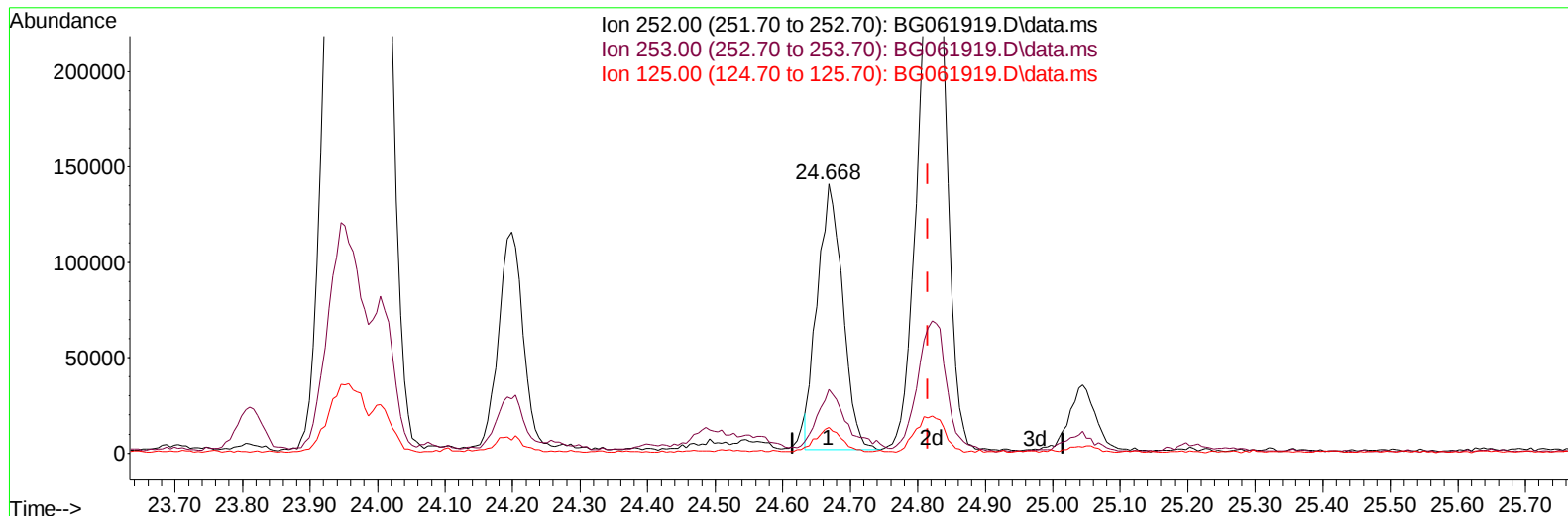
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:53:07 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(93) Benzo(a)pyrene (C)

24.668min (-0.147) 15.54 ng/u1

response 361591

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	23.60
125.00	9.30	9.59
0.00	0.00	0.00

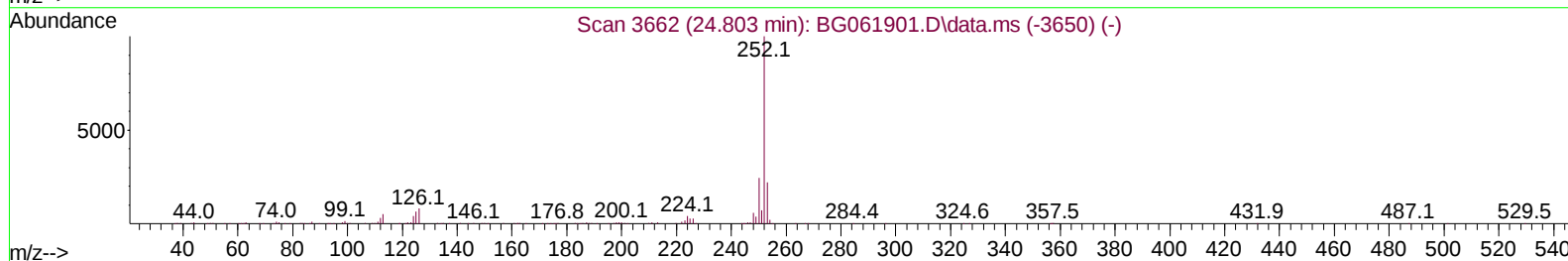
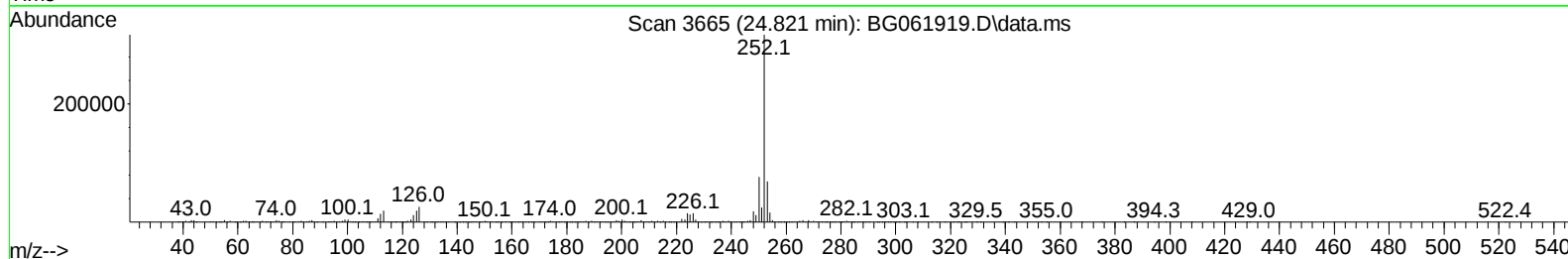
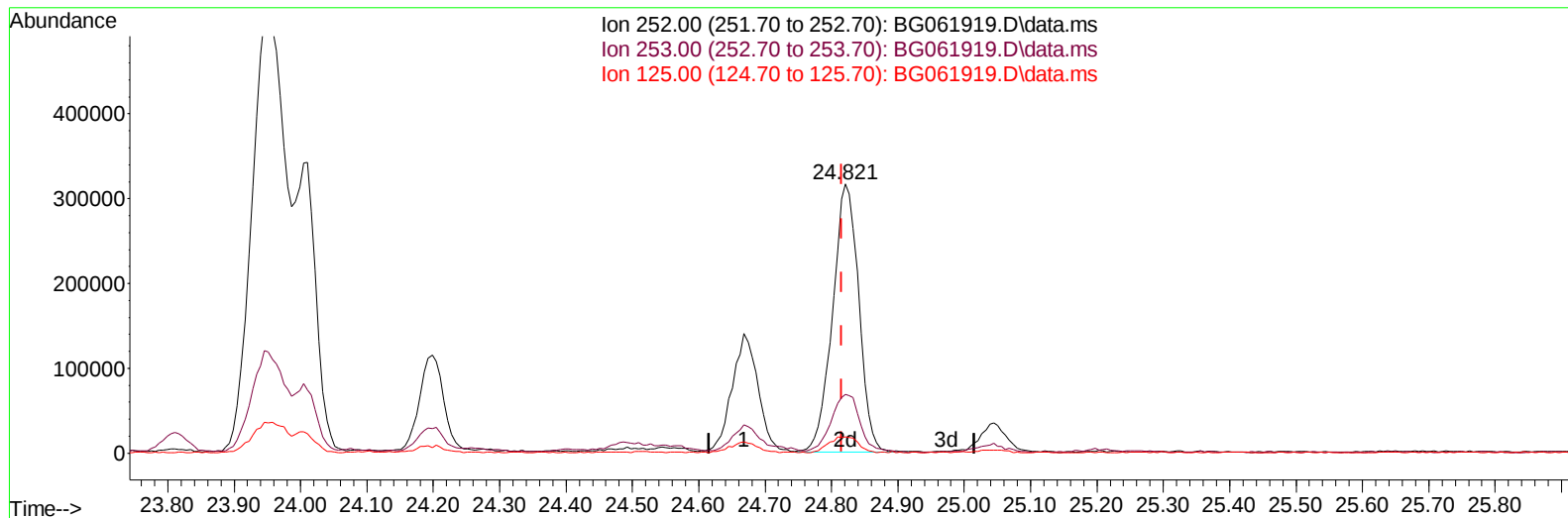
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:53:07 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(93) Benzo(a)pyrene (C)

24.821min (+ 0.005) 37.21 ng/ul m

response 865679

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	21.84
125.00	9.30	6.13#
0.00	0.00	0.00

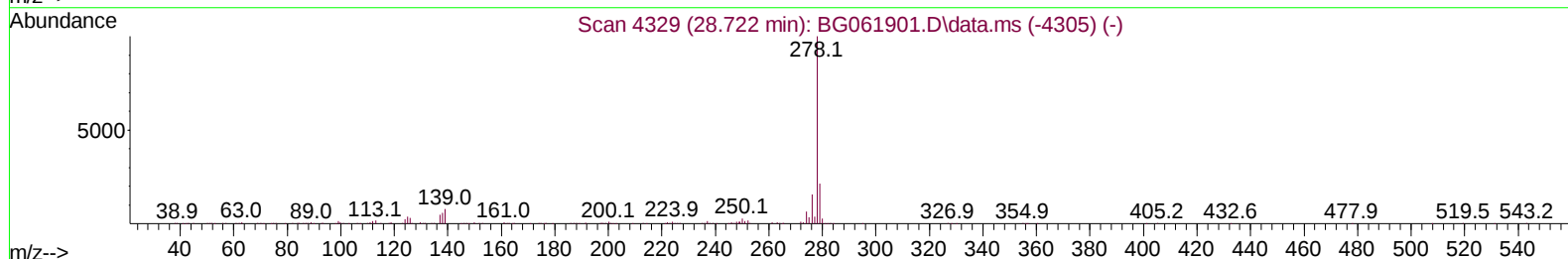
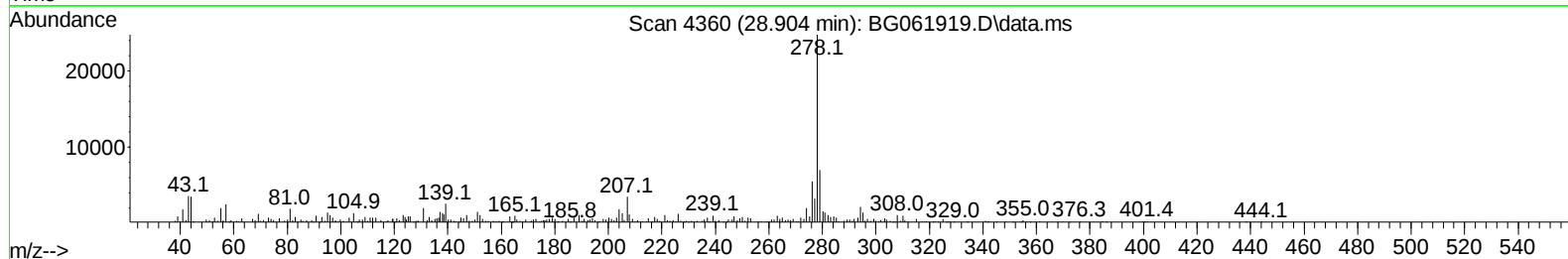
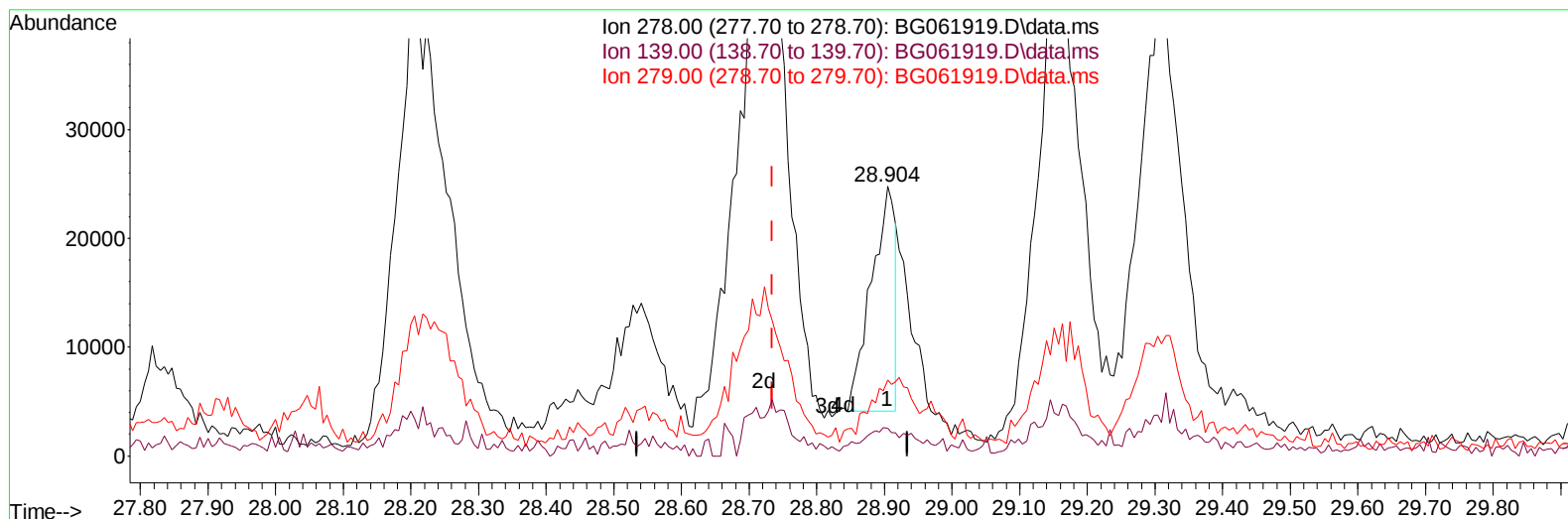
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:53:07 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(95) Dibenzo(a,h)anthracene

28.904min (+ 0.170) 2.06 ng/u1

response 50651

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	10.38
279.00	23.50	28.19
0.00	0.00	0.00

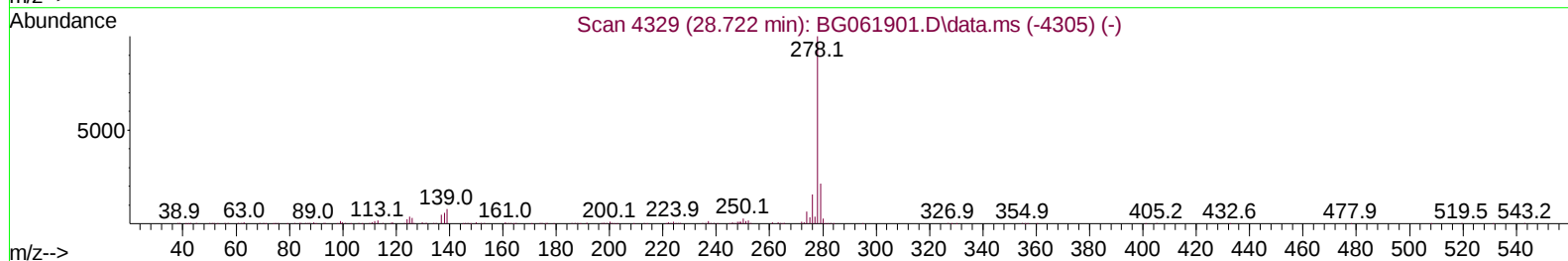
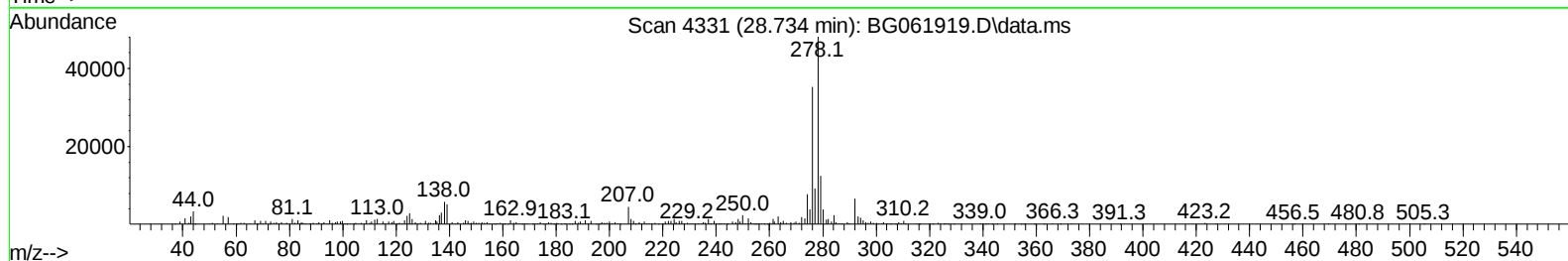
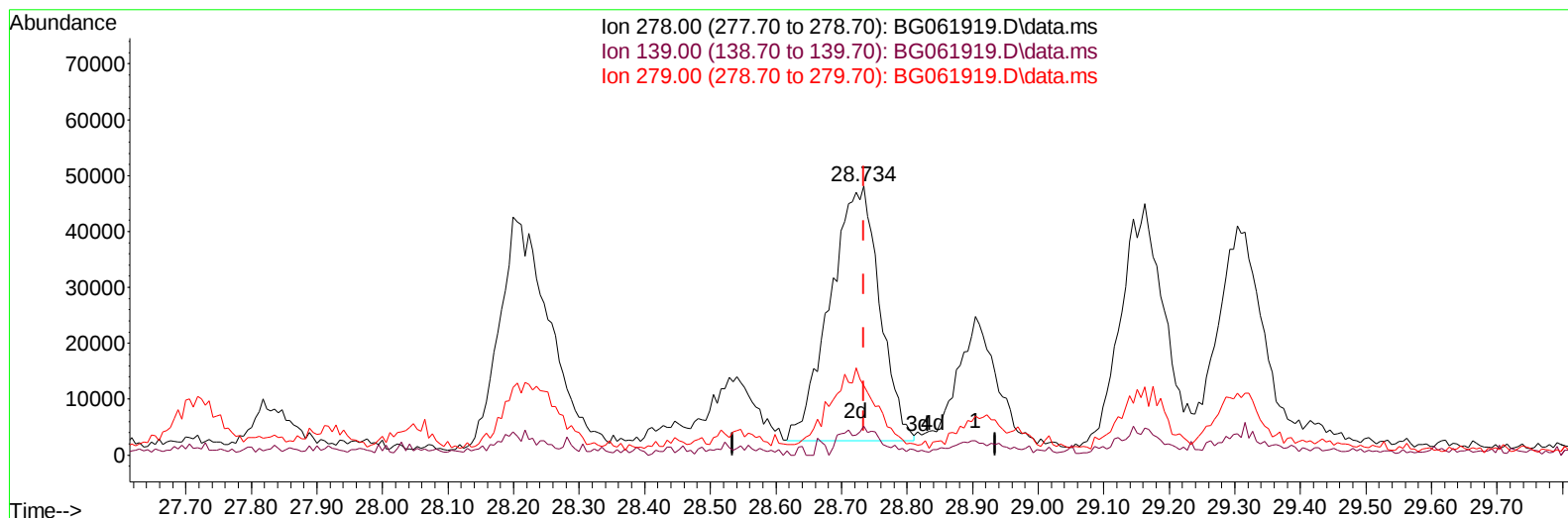
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:53:07 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(95) Dibenzo(a,h)anthracene

28.734min (-0.000) 9.79 ng/ul m

response 240337

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	10.70
279.00	23.50	25.87
0.00	0.00	0.00

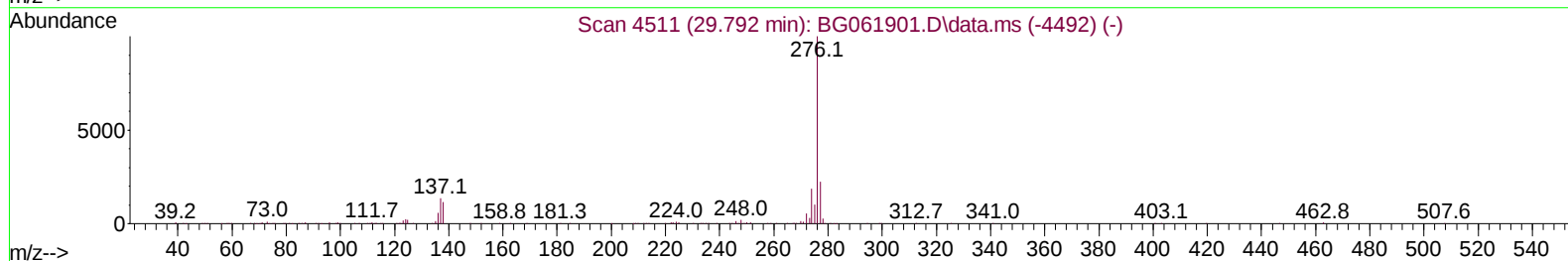
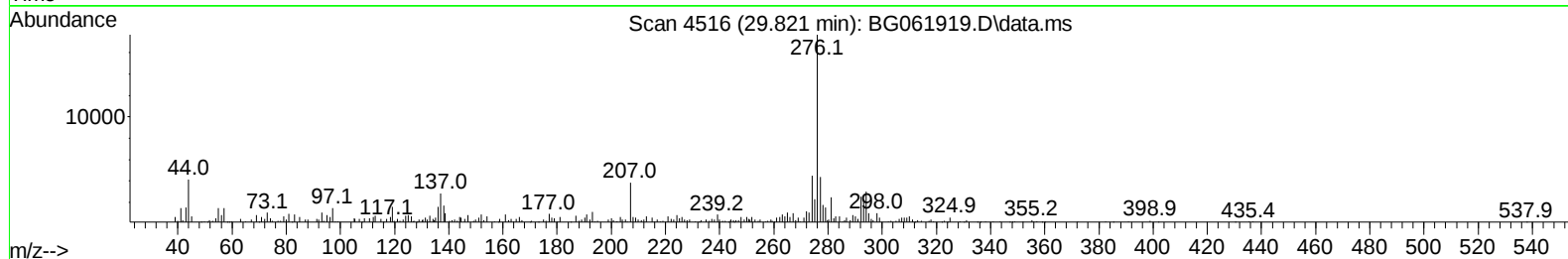
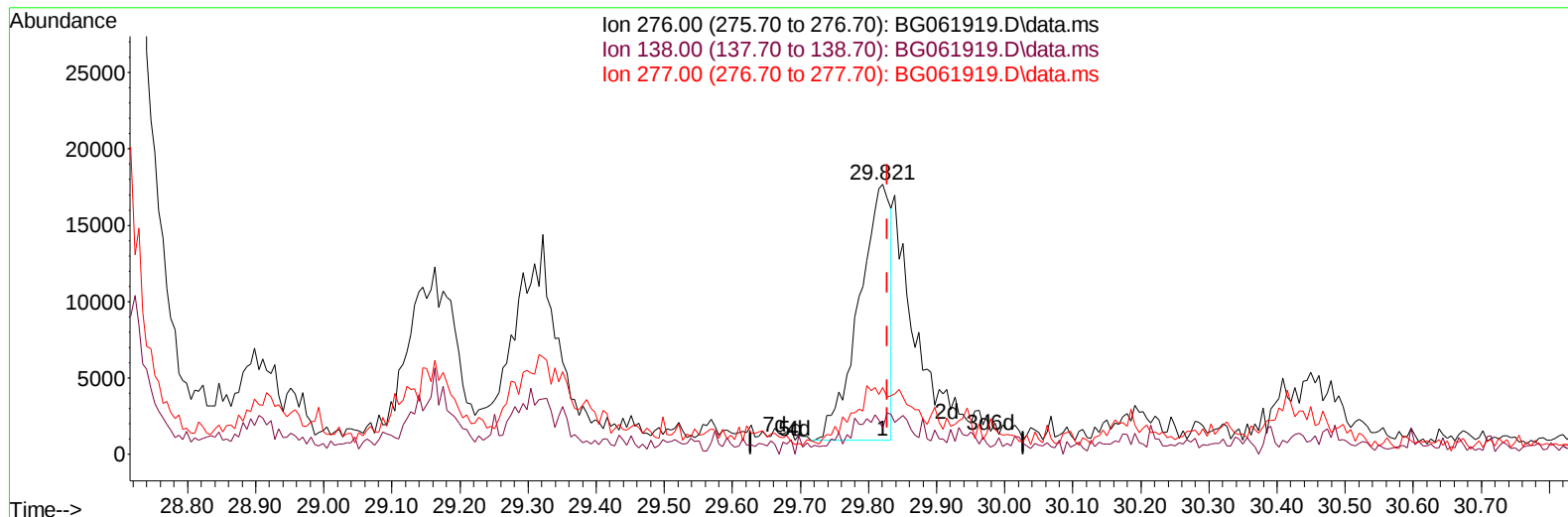
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:53:07 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(96) Benzo(g,h,i)perylene

29.821min (-0.006) 2.28 ng/u1

response 53955

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.90	15.18
277.00	23.50	24.59
0.00	0.00	0.00

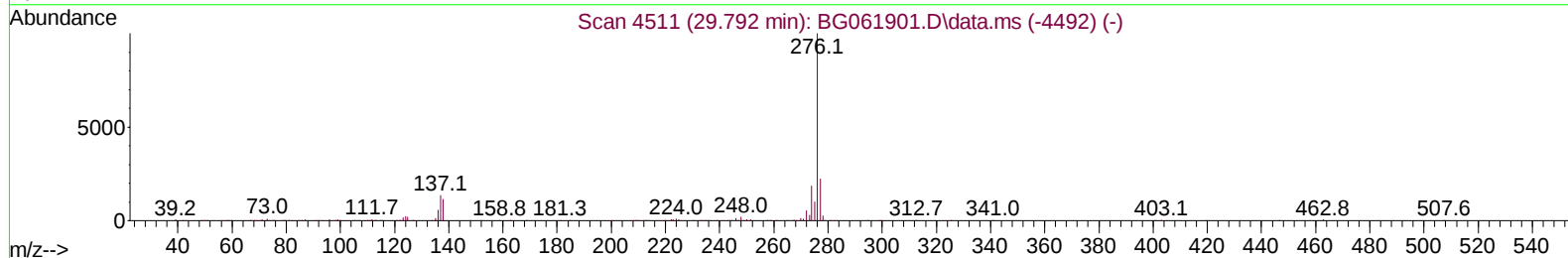
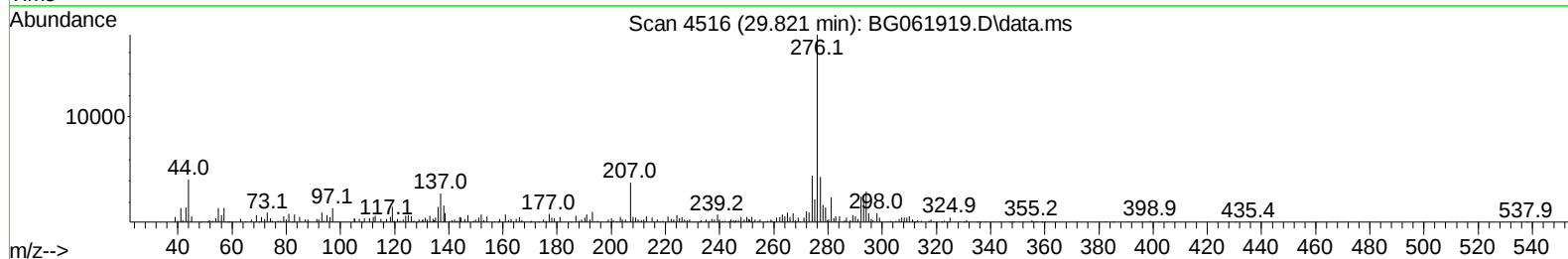
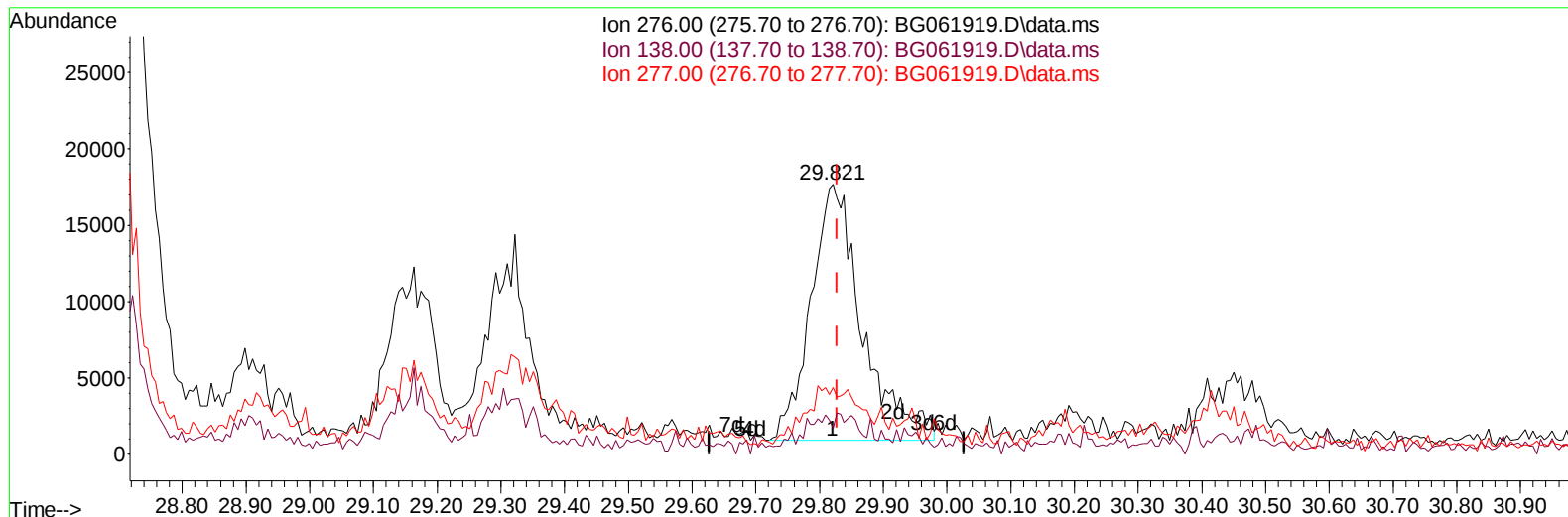
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 00:53:07 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 07/09/2024
Supervised By :mohammad ahmed 07/09/2024



TIC: BG061919.D\data.ms

(96) Benzo(g,h,i)perylene

29.821min (-0.006) 3.98 ng/u1 m

response 94080

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.90	9.61#
277.00	23.50	24.59
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
 Data File : BG061919.D
 Acq On : 6 Jul 2024 7:20
 Operator : MA/JU
 Sample : P2982-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CF4

Manual IntegrationsAPPROVED

Quant Time: Jul 08 01:07:10 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 07/09/2024
 Supervised By :mohammad ahmed 07/09/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.094	152	45221m	20.000	ng/ul	0.00
20) Naphthalene-d8	10.908	136	225658	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.715	164	165415	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.459	188	351090	20.000	ng/ul	0.00
79) Chrysene-d12	21.731	240	322081	20.000	ng/ul	# 0.00
88) Perylene-d12	24.968	264	389998	20.000	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.481	96	3851	3.200	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.248	99	126826	25.627	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.418	67	77478	24.722	ng/ul	0.00
11) 2-Chlorophenol-d4	7.624	132	90126	26.550	ng/ul	0.00
15) 4-Methylphenol-d8	8.793	113	101468	26.041	ng/ul	0.00
21) Nitrobenzene-d5	9.257	128	51748	30.153	ng/ul	0.00
24) 2-Nitrophenol-d4	9.980	143	60664	30.953	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.520	165	111249	29.429	ng/ul	-0.01
31) 4-Chloroaniline-d4	11.037	131	38649m	7.042	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	362322	26.643	ng/ul	0.00
49) Acenaphthylene-d8	14.416	160	403943	28.406	ng/ul	0.00
54) 4-Nitrophenol-d4	14.903	143	47657	21.944	ng/ul	-0.01
60) Fluorene-d10	15.708	176	316437	27.640	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.820	200	54769	29.703	ng/ul	0.00
73) Anthracene-d10	17.559	188	478721	29.205	ng/ul	0.00
81) Pyrene-d10	19.839	212	456807	24.113	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.751	264	365926	18.919	ng/ul	0.01
Target Compounds						
					Qvalue	
16) Acetophenone	8.922	105	8473	1.316	ng/ul#	84
30) Naphthalene	10.961	128	22658	1.828	ng/ul#	91
36) 2-Methylnaphthalene	12.559	142	20641	2.299	ng/ul	96
37) 1-Methylnaphthalene	12.770	142	24088	2.581	ng/ul	88
50) Acenaphthylene	14.445	152	24430m	1.565	ng/ul	
52) Acenaphthene	14.780	153	36650	3.401	ng/ul	94
56) Dibenzofuran	15.109	168	45502	2.987	ng/ul	96
61) Fluorene	15.761	166	120432	9.298	ng/ul	93
72) Phenanthrene	17.506	178	2113692	114.178	ng/ul	98
74) Anthracene	17.594	178	290651	15.192	ng/ul	99
77) Carbazole	17.859	167	23996	1.490	ng/ul#	83
80) Fluoranthene	19.515	202	3177707	141.737	ng/ul	96
82) Pyrene	19.874	202	2822001	121.854	ng/ul	96
85) Benzo(a)anthracene	21.707	228	1761668	75.544	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.595	149	14338	1.028	ng/ul#	84
87) Chrysene	21.778	228	1549726	70.988	ng/ul	95
90) Benzo(b)fluoranthene	23.951	252	1819056	74.032	ng/ul	98
91) Benzo(k)fluoranthene	24.010	252	727954m	29.709	ng/ul	
93) Benzo(a)pyrene	24.821	252	865679m	37.206	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.681	276	700176	23.548	ng/ul#	97
95) Dibenzo(a,h)anthracene	28.734	278	240337m	9.787	ng/ul	
96) Benzo(g,h,i)perylene	29.821	276	94080m	3.977	ng/ul	

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
Operator : MA/JU
Sample : P2982-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CF4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/09/2024
Supervised By :mohammad ahmed 07/09/2024

Quant Time: Jul 08 01:07:10 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.	Q	Ion	Response	Conc	Units	Dev	(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061919.D
Acq On : 6 Jul 2024 7:20
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Misc :
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Manual IntegrationsAPPROVED

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