

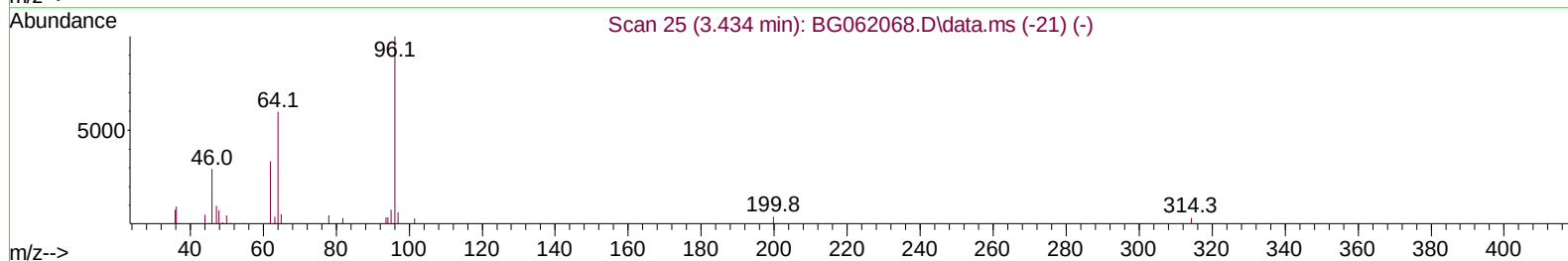
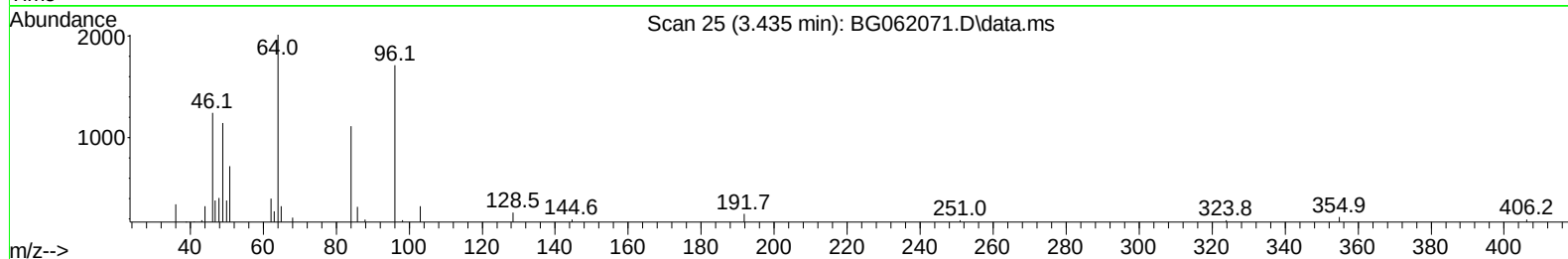
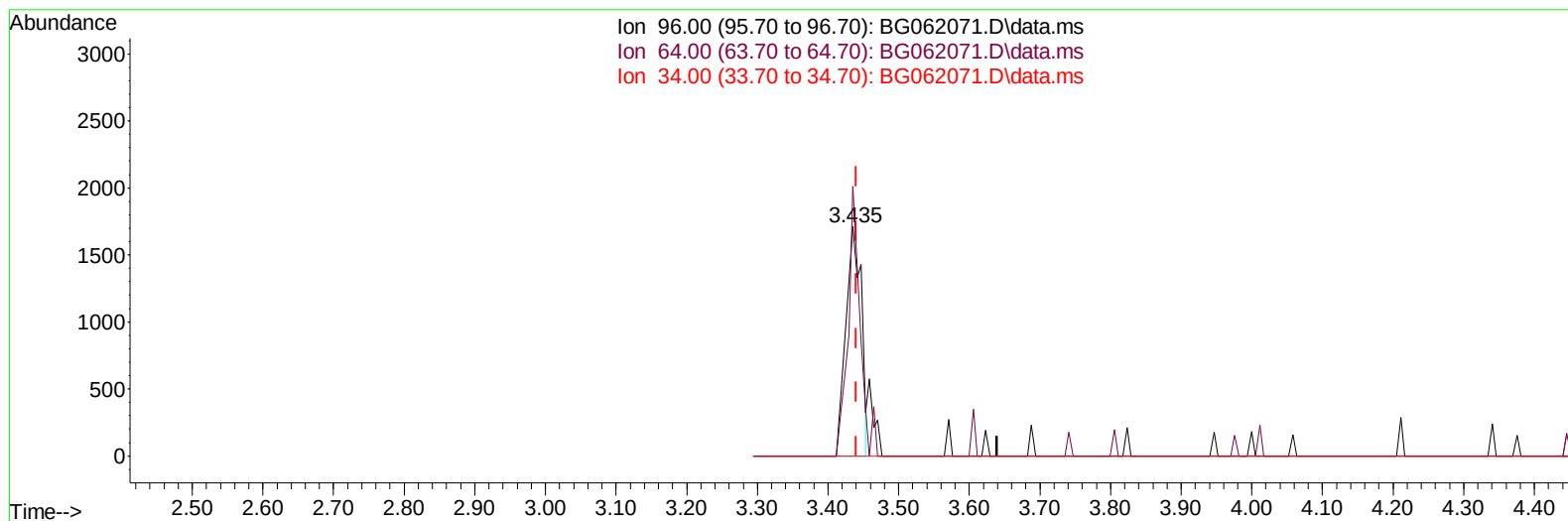
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 15 17:15:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration



TIC: BG062071.D\data.ms

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

3.435min (-0.005) 2.23 ng/uL

response 2608

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	104.80	117.46
34.00	0.00	0.00
0.00	0.00	0.00

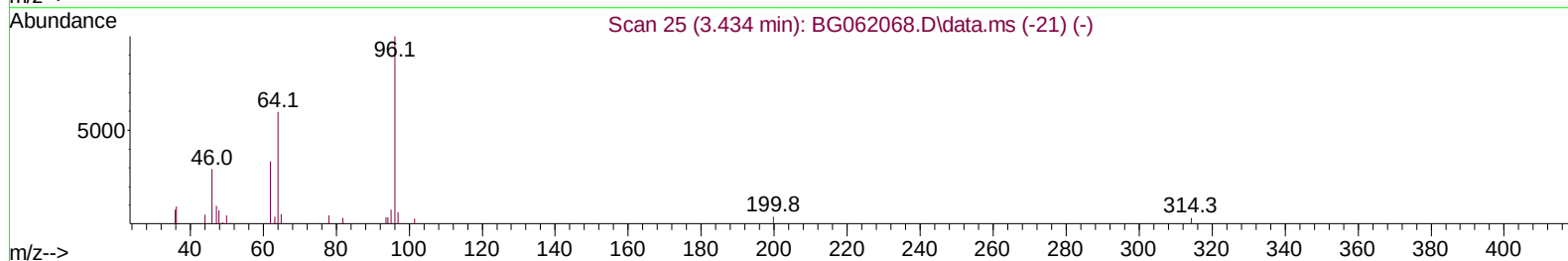
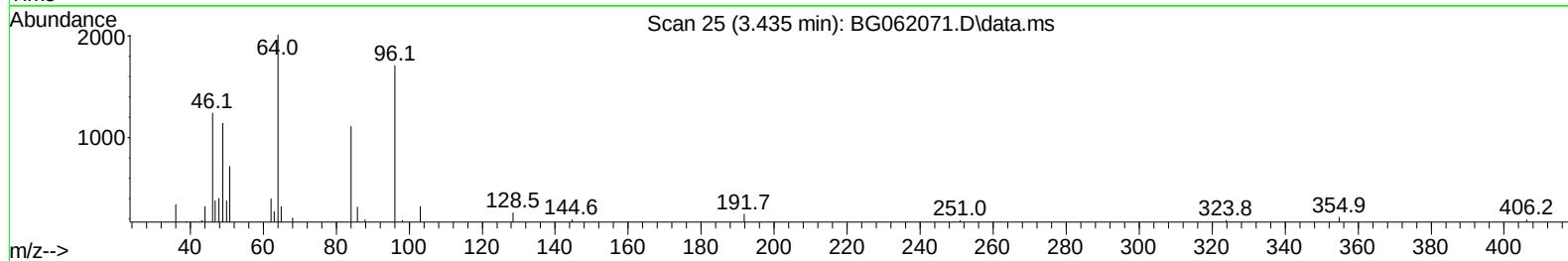
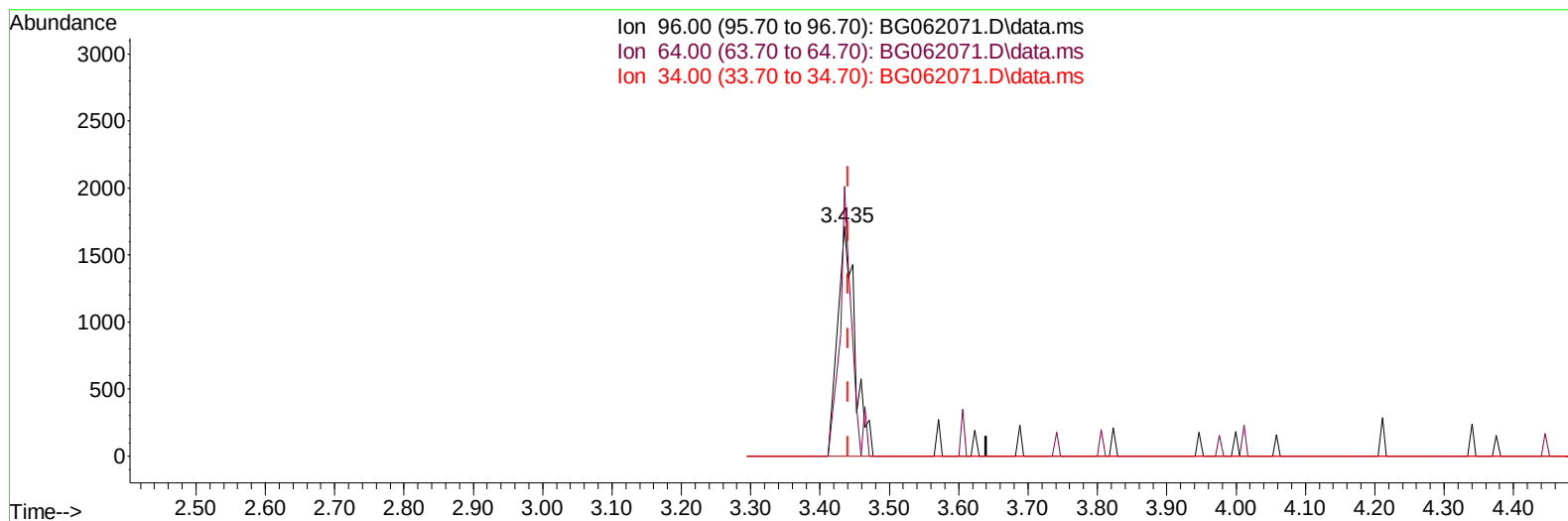
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062071.D
 Acq On : 15 Jul 2024 16:38
 Operator : MA/JU
 Sample : P3100-23
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 15 17:15:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

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

3.435min (-0.005) 2.55 ng/uL m

response	2981	
Ion	Exp%	Act%
96.00	100.00	100.00
64.00	104.80	117.46
34.00	0.00	0.00
0.00	0.00	0.00

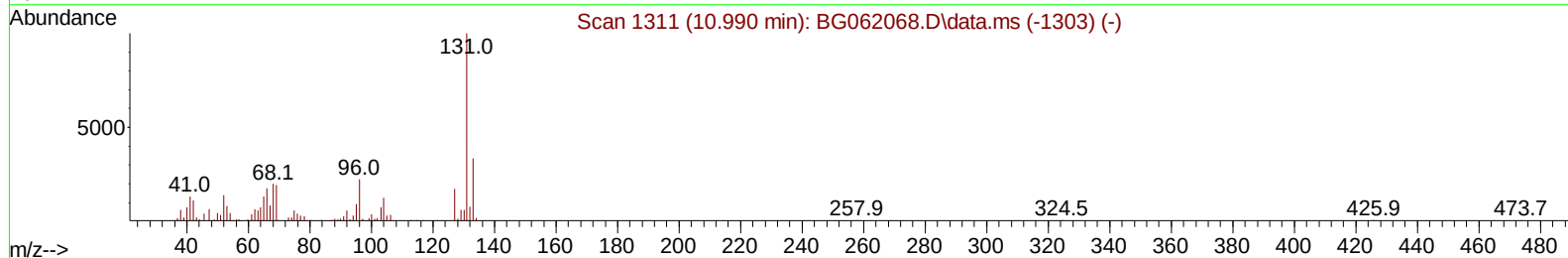
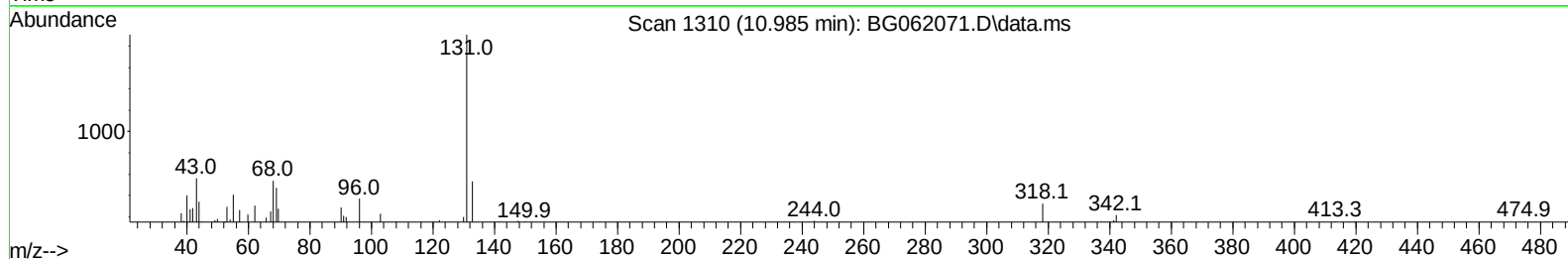
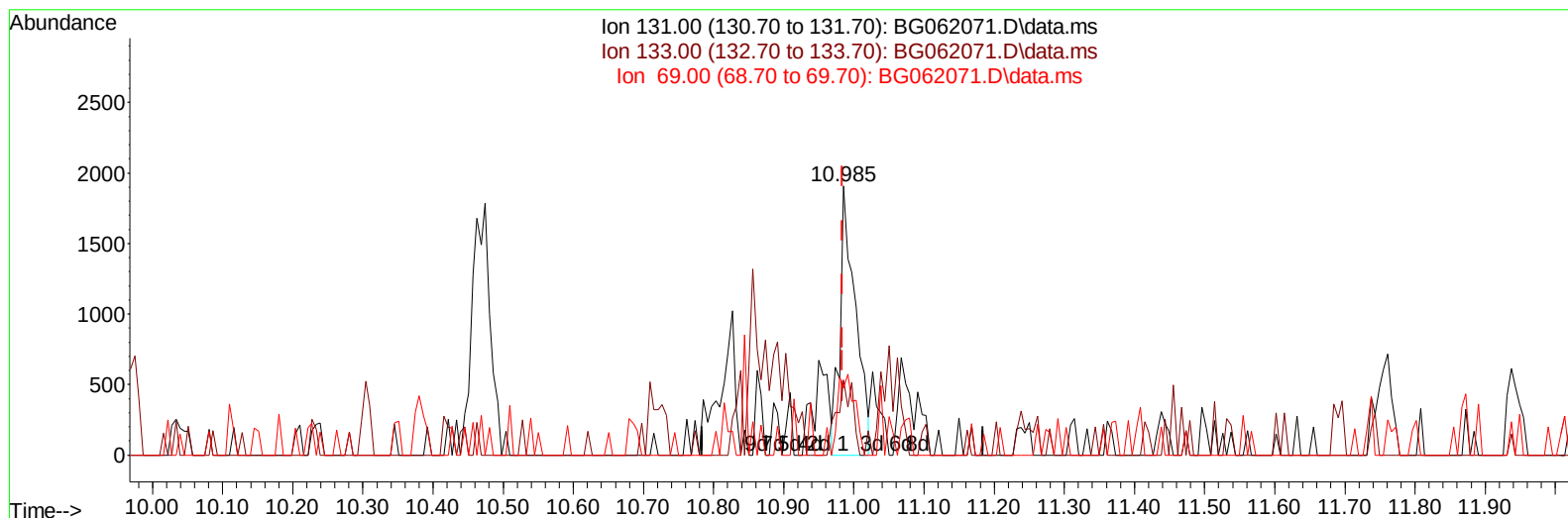
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 15 17:20:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.985min (+ 0.001) 0.59 ng/u1

response 2946

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	27.95
69.00	21.00	39.22#
0.00	0.00	0.00

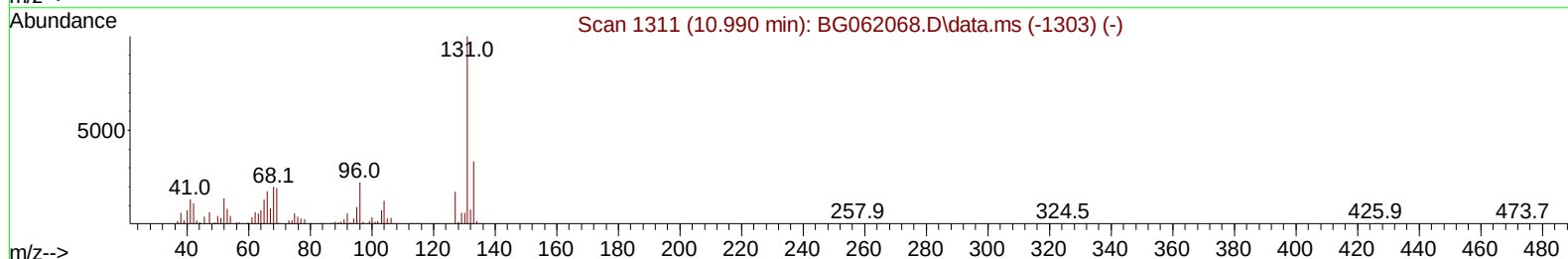
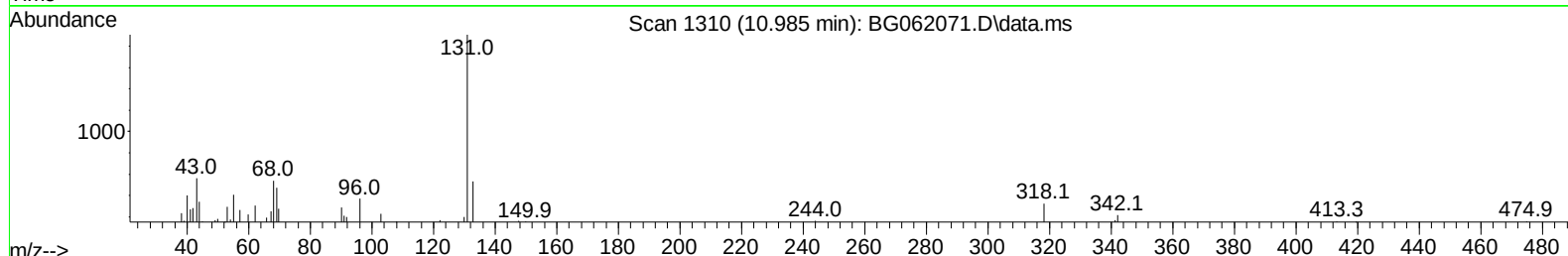
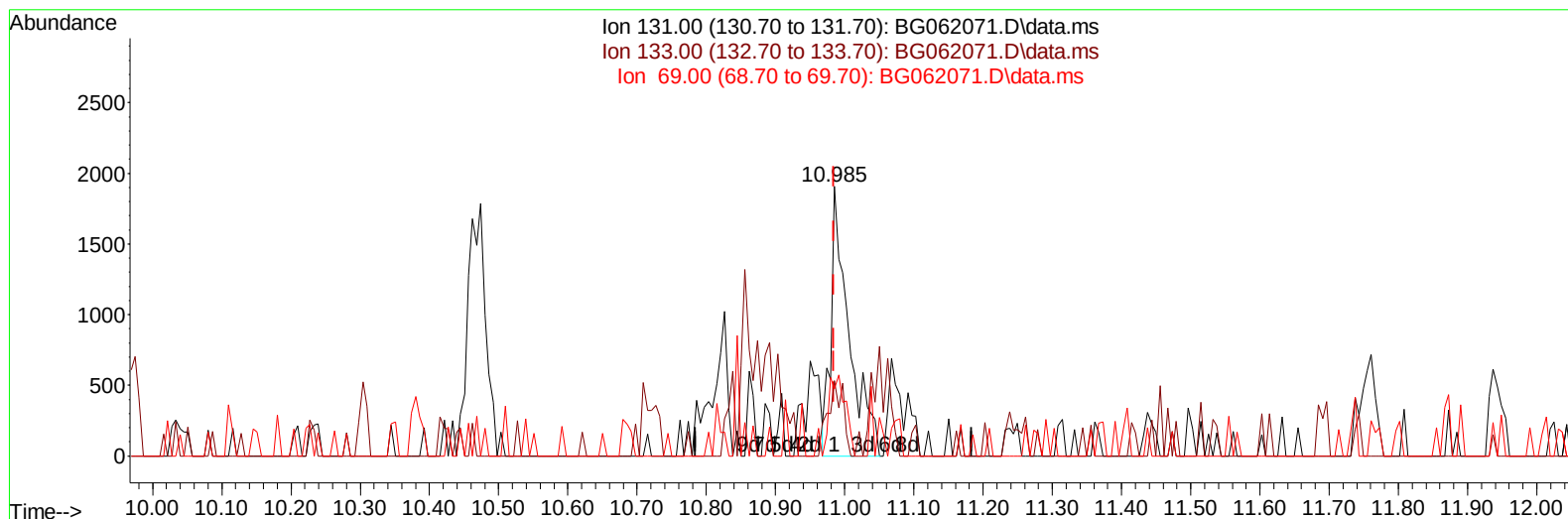
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 15 17:20:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.985min (+ 0.001) 0.69 ng/ul m

response 3473

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	27.95
69.00	21.00	24.80
0.00	0.00	0.00

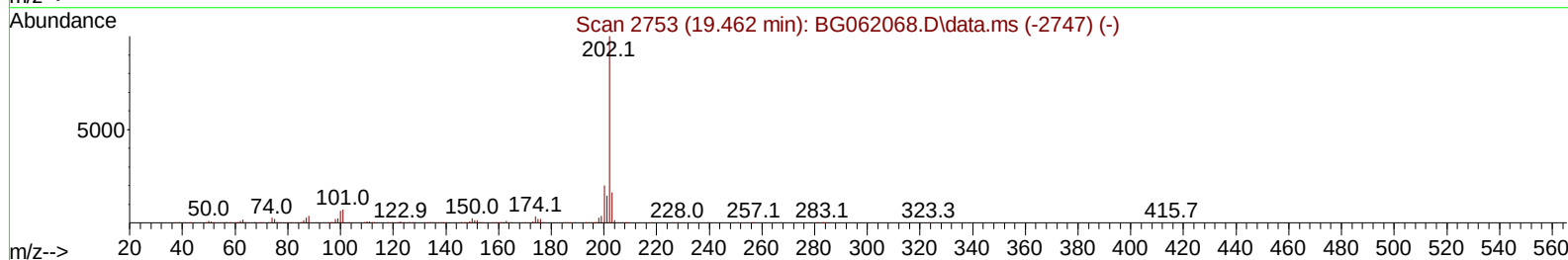
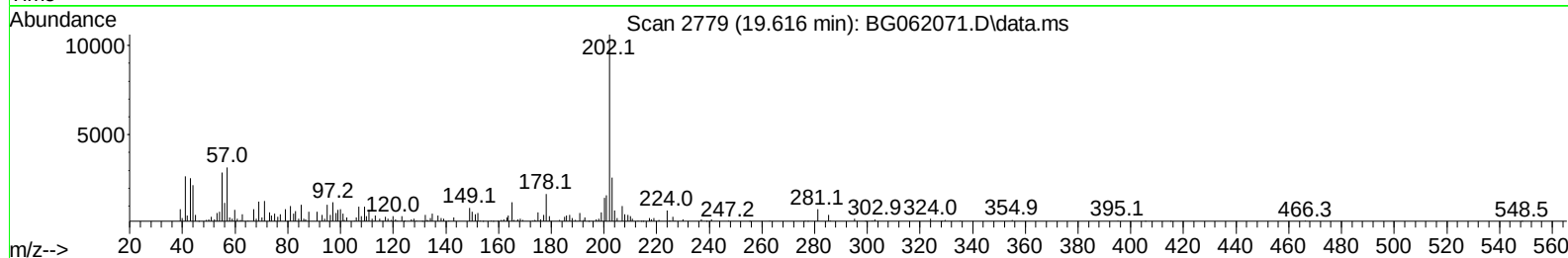
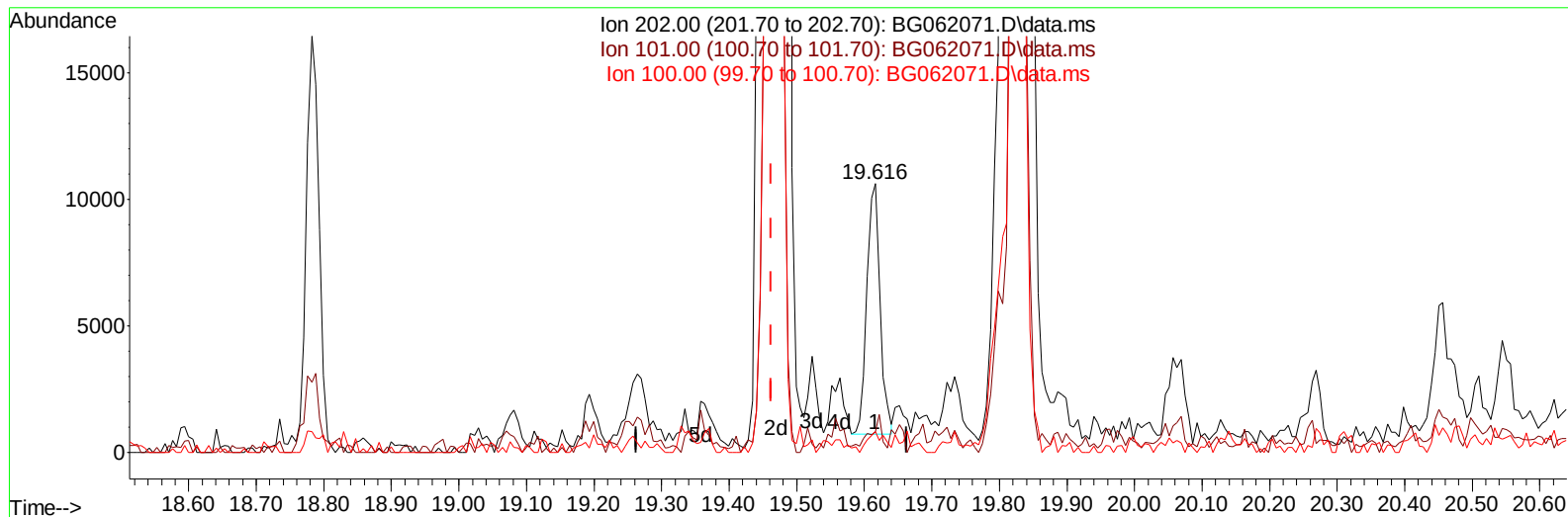
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 16 02:49:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

(80) Fluoranthene

19.616min (+ 0.154) 0.63 ng/u1

response 13455

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.30	7.60
100.00	8.30	7.70
0.00	0.00	0.00

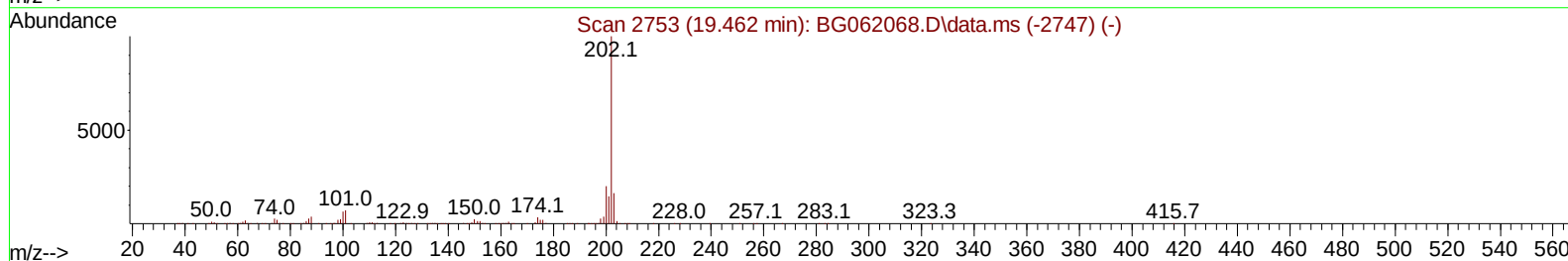
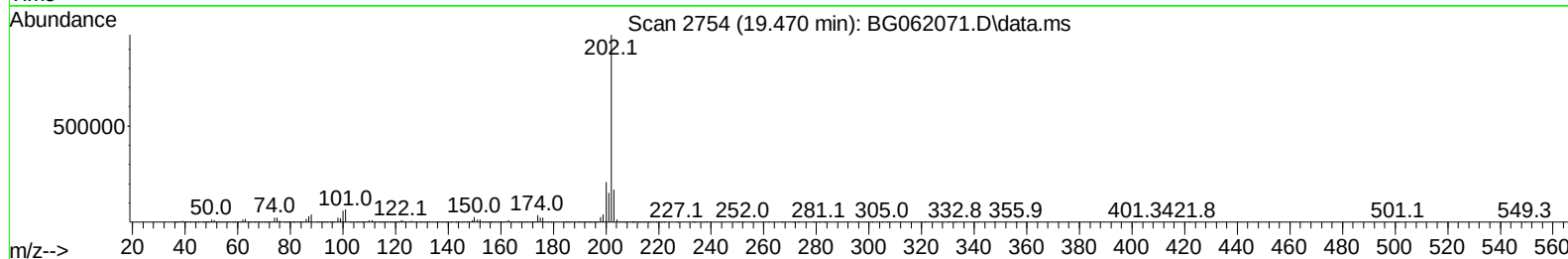
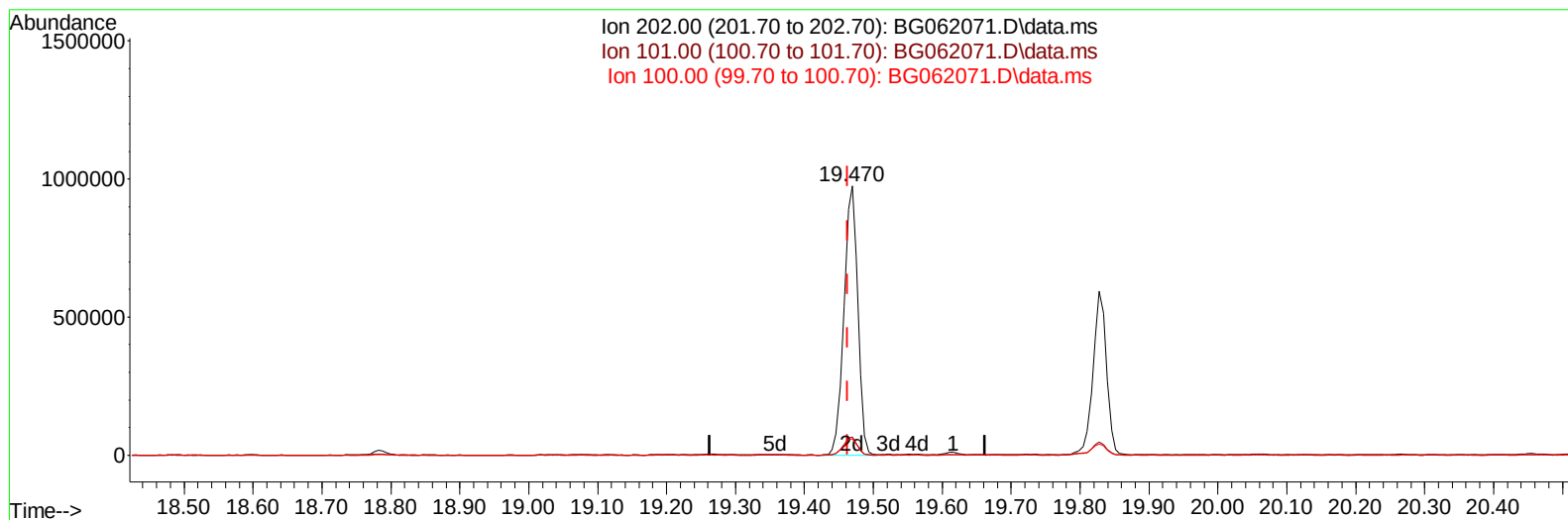
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 16 02:49:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

(80) Fluoranthene

19.470min (+ 0.007) 63.76 ng/ul m

response 1356185

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.30	6.67#
100.00	8.30	5.97#
0.00	0.00	0.00

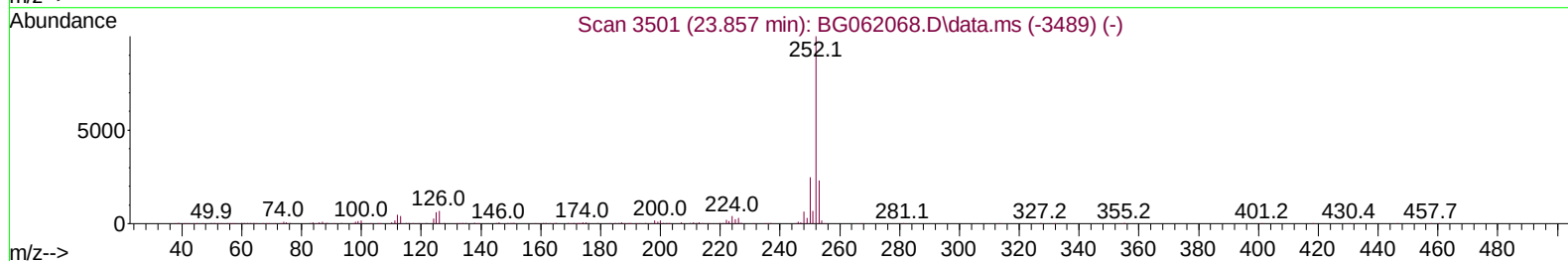
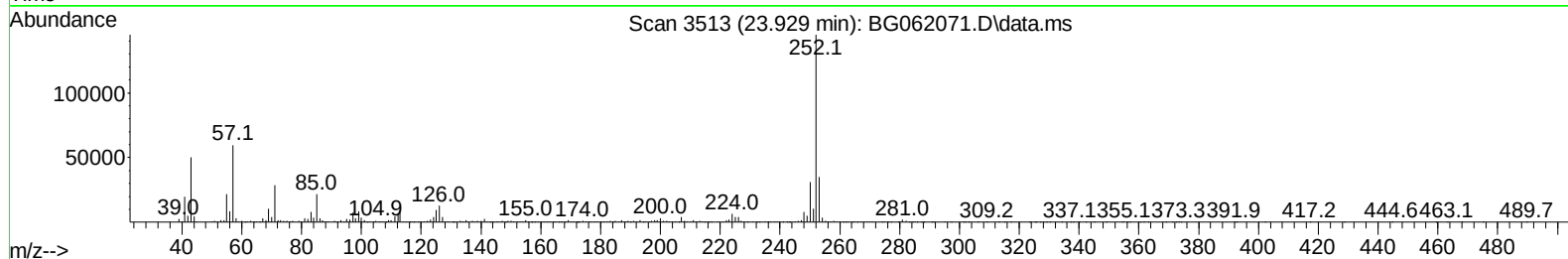
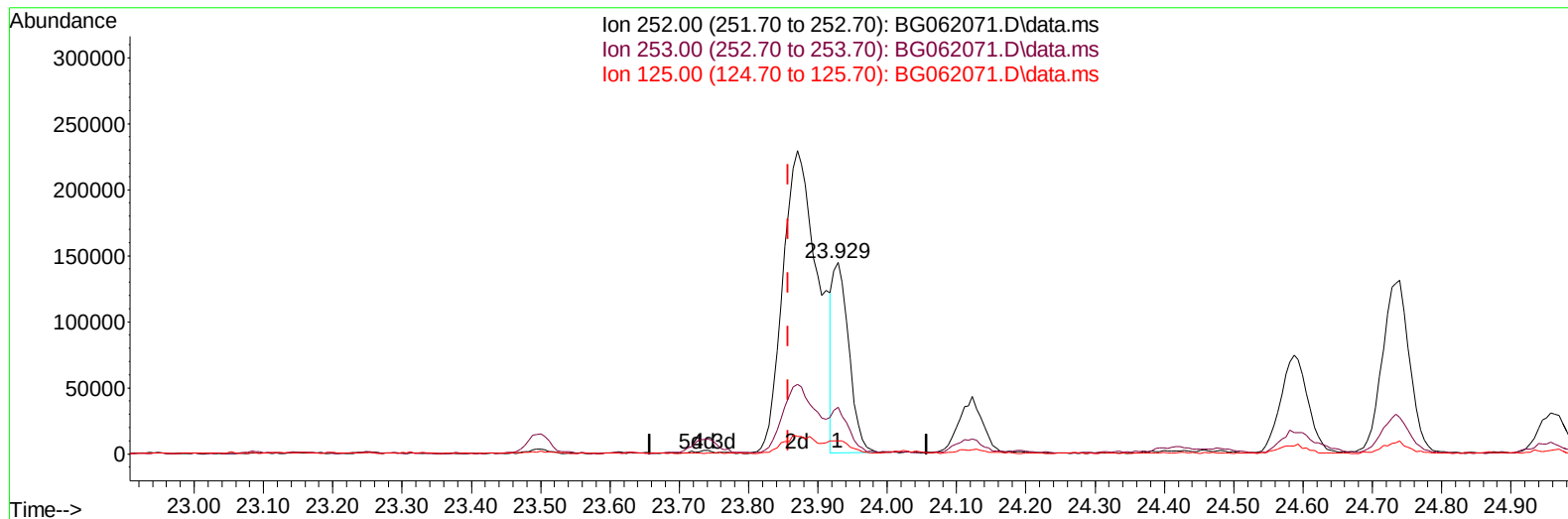
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 15 17:15:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

(90) Benzo(b)fluoranthene

23.929min (+ 0.072) 9.91 ng/u1

response 231782

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	24.30
125.00	7.60	6.70
0.00	0.00	0.00

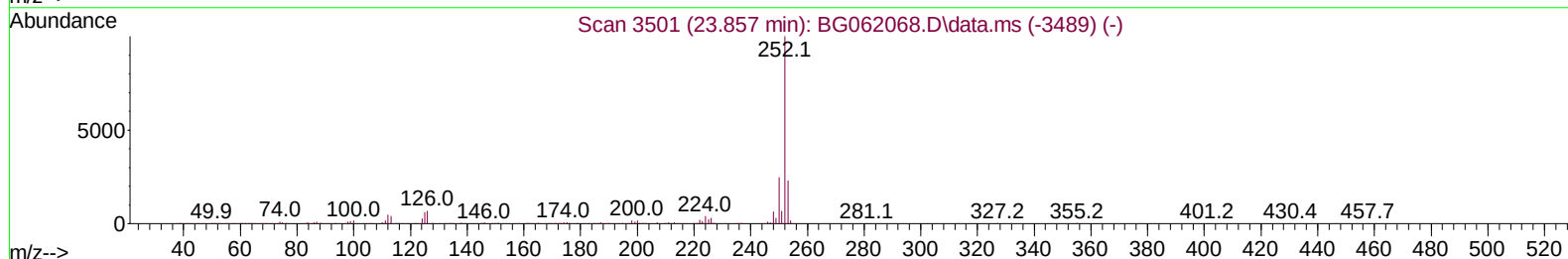
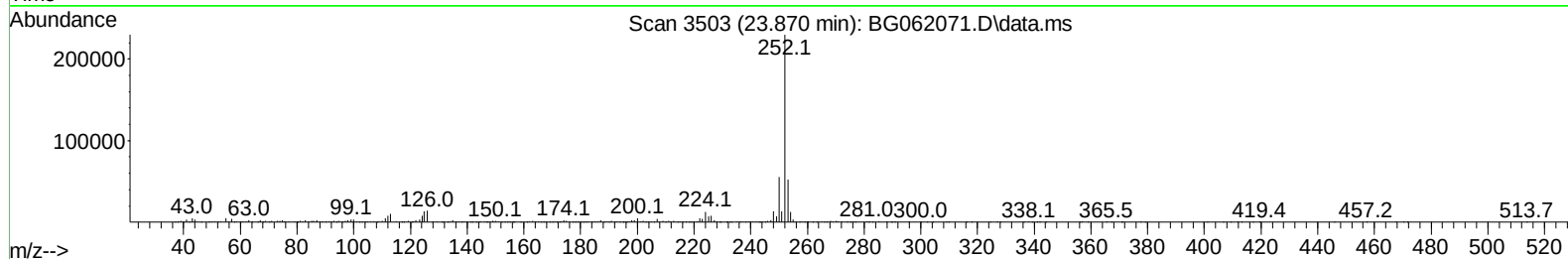
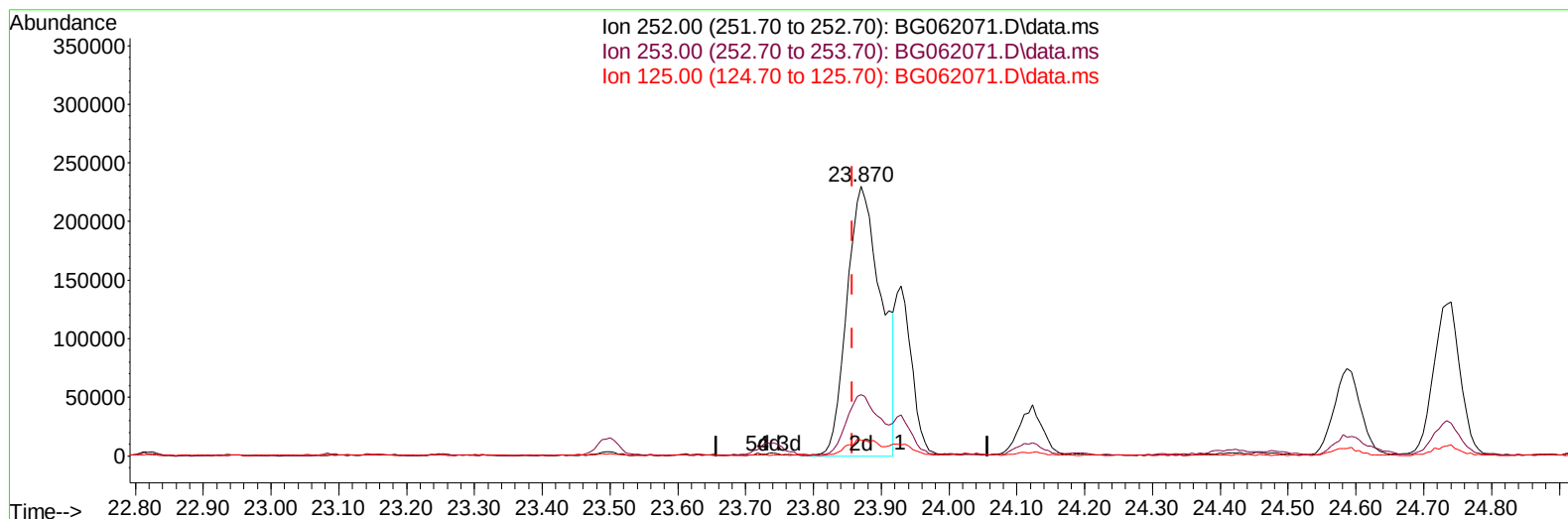
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 15 17:15:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

(90) Benzo(b)fluoranthene

23.870min (+ 0.013) 34.90 ng/ul m

response 816006

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	22.83
125.00	7.60	5.70#
0.00	0.00	0.00

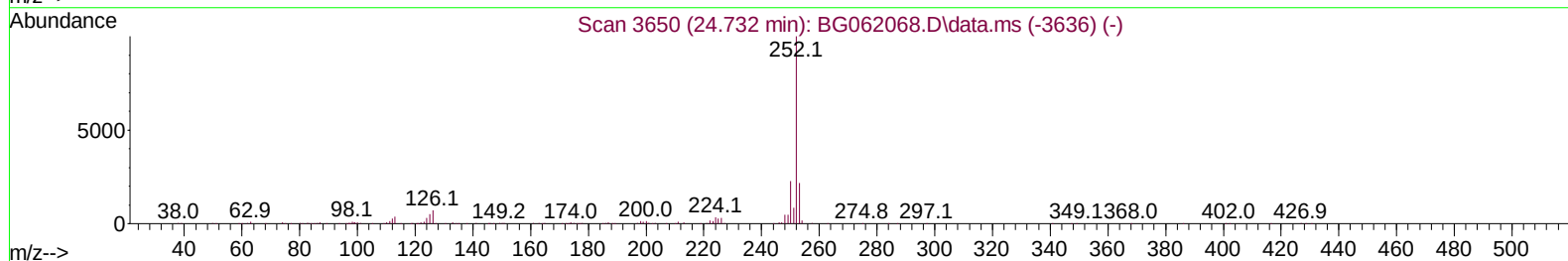
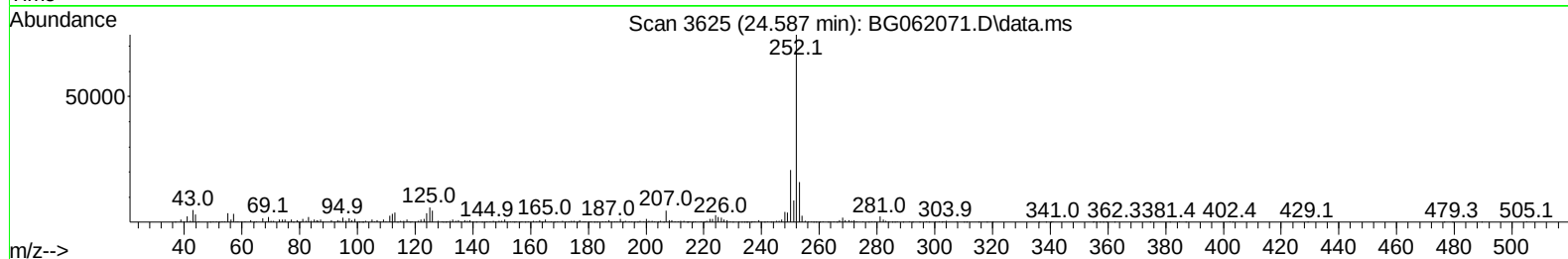
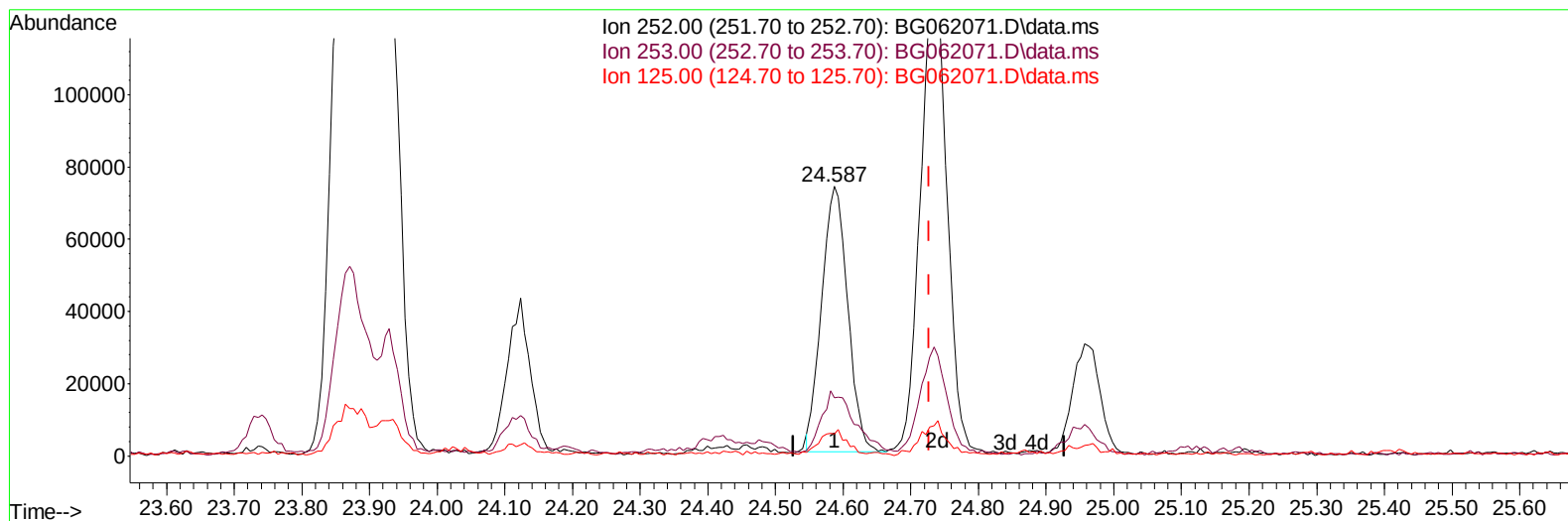
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 15 17:15:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
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Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

(93) Benzo(a)pyrene (C)

24.587min (-0.140) 8.88 ng/u1

response 196549

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	21.51
125.00	9.30	8.13
0.00	0.00	0.00

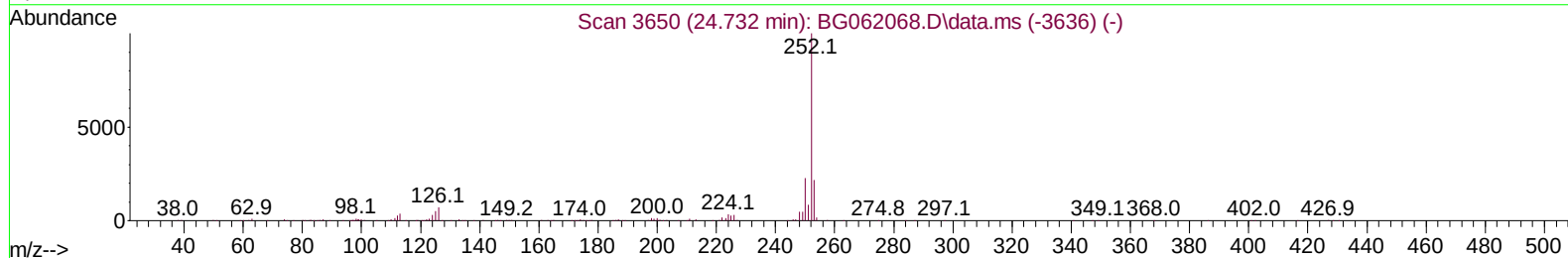
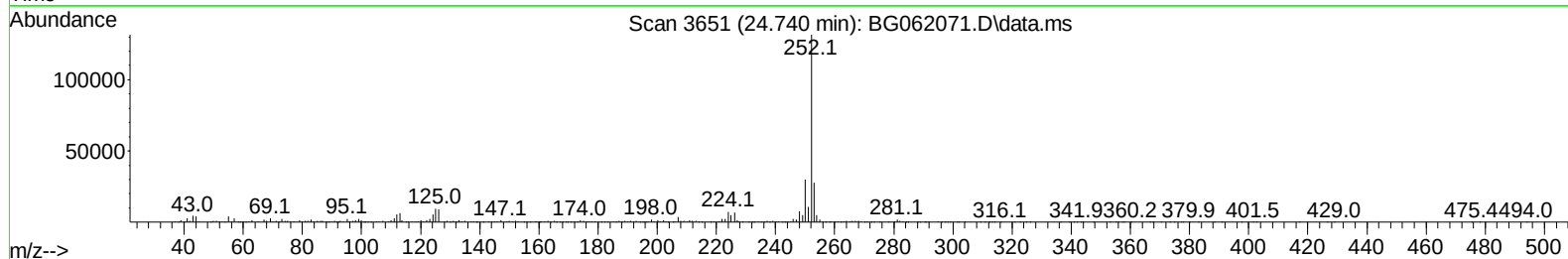
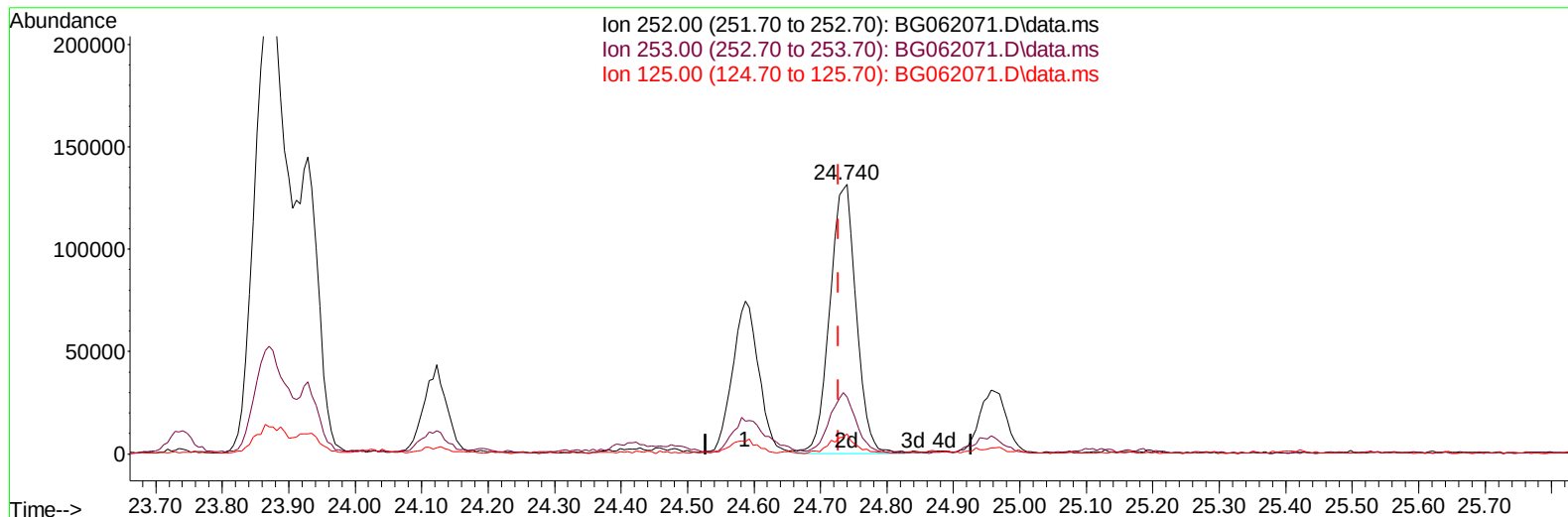
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 15 17:15:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

(93) Benzo(a)pyrene (C)

24.740min (+ 0.013) 16.38 ng/ul m

response 362567

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	21.06
125.00	9.30	7.37#
0.00	0.00	0.00

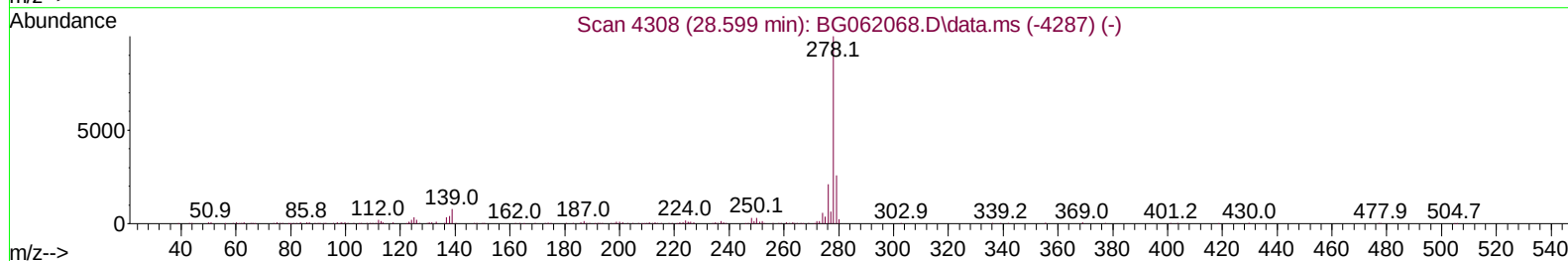
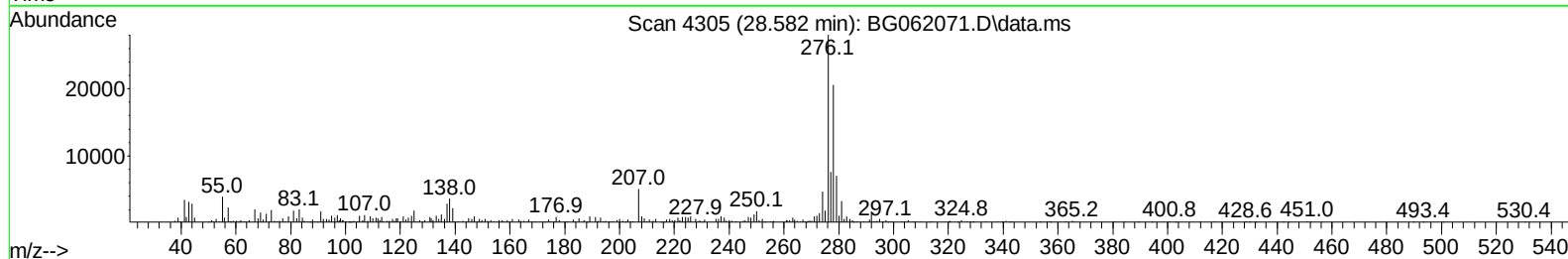
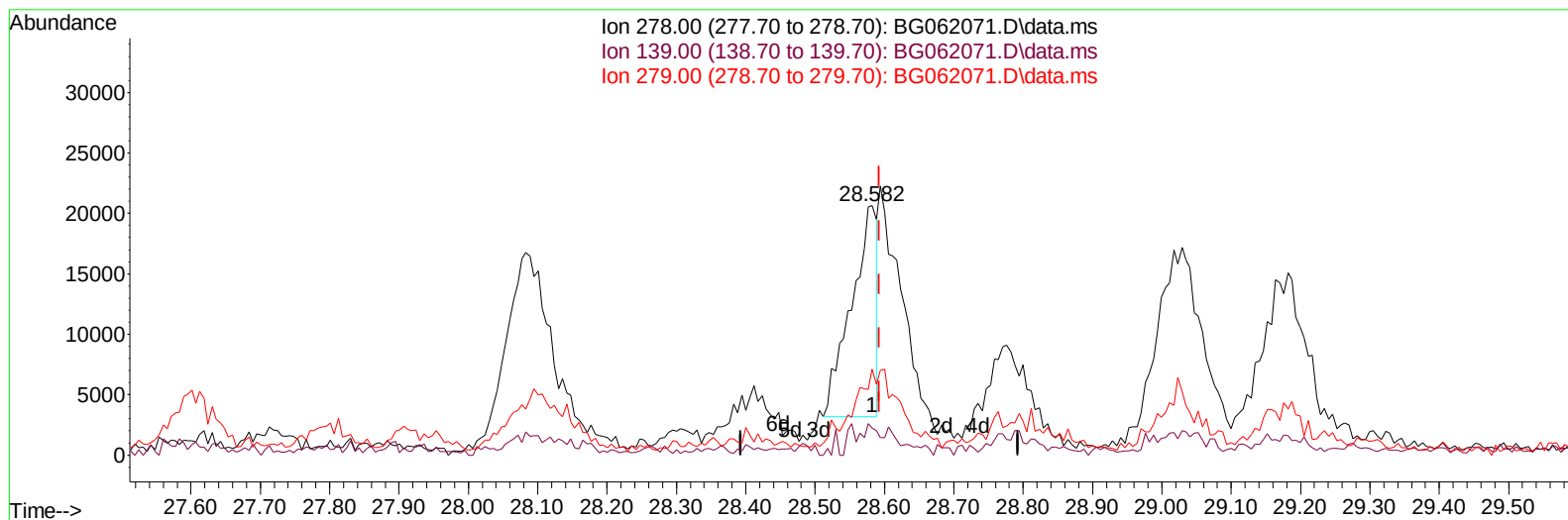
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 15 17:15:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
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Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

(95) Dibenzo(a,h)anthracene

28.582min (-0.011) 1.92 ng/u1

response 44755

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	10.81
279.00	23.50	34.45#
0.00	0.00	0.00

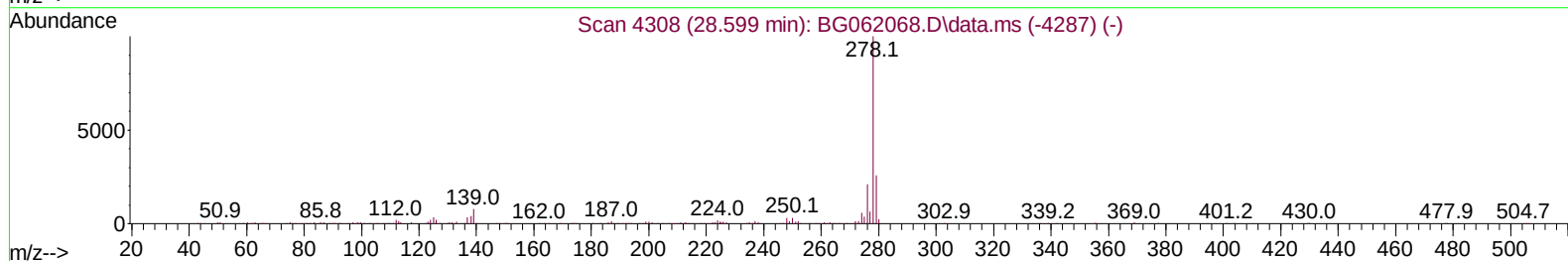
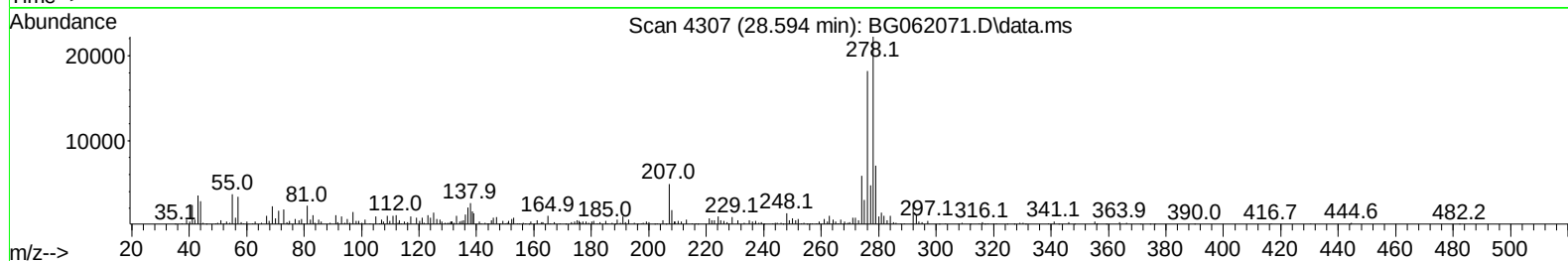
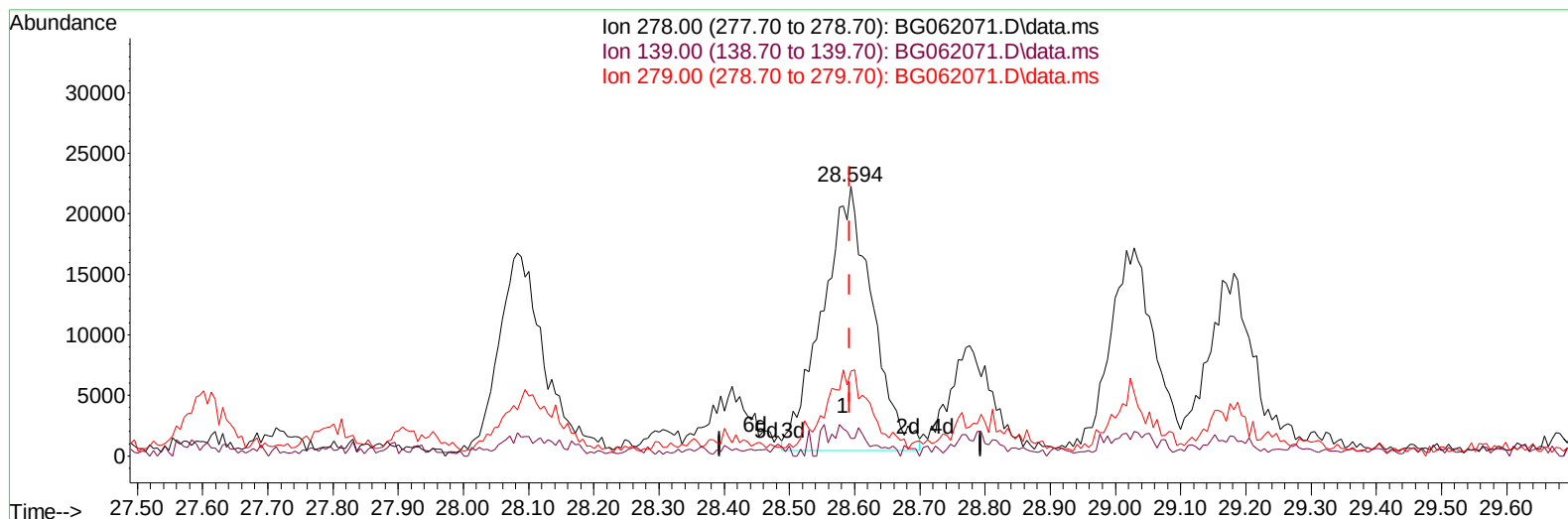
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 15 17:15:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

(95) Dibenzo(a,h)anthracene

28.594min (+ 0.001) 4.98 ng/ul m

response 116281

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	6.54#
279.00	23.50	31.52#
0.00	0.00	0.00

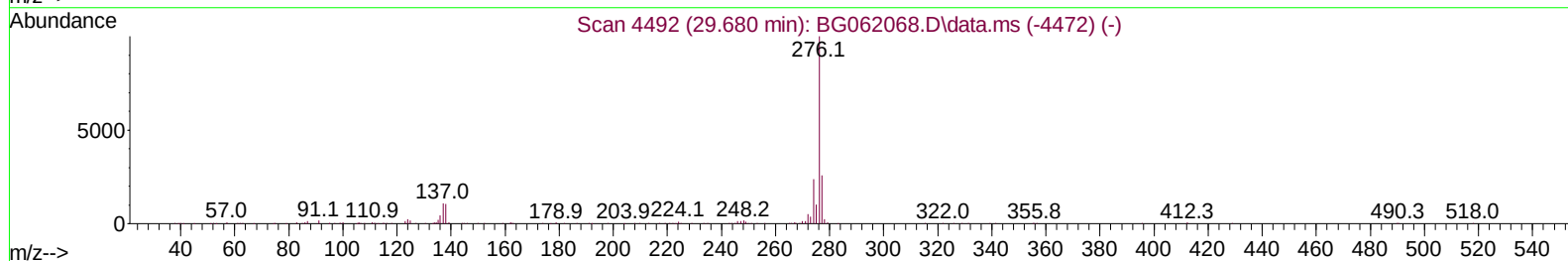
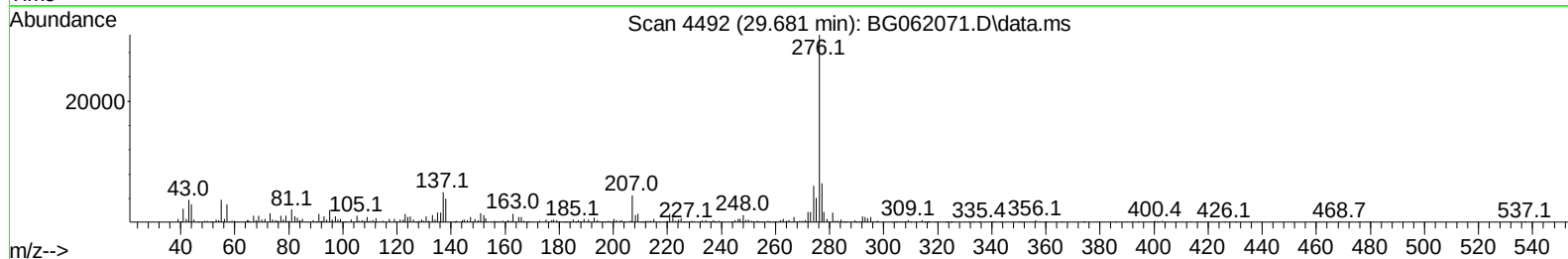
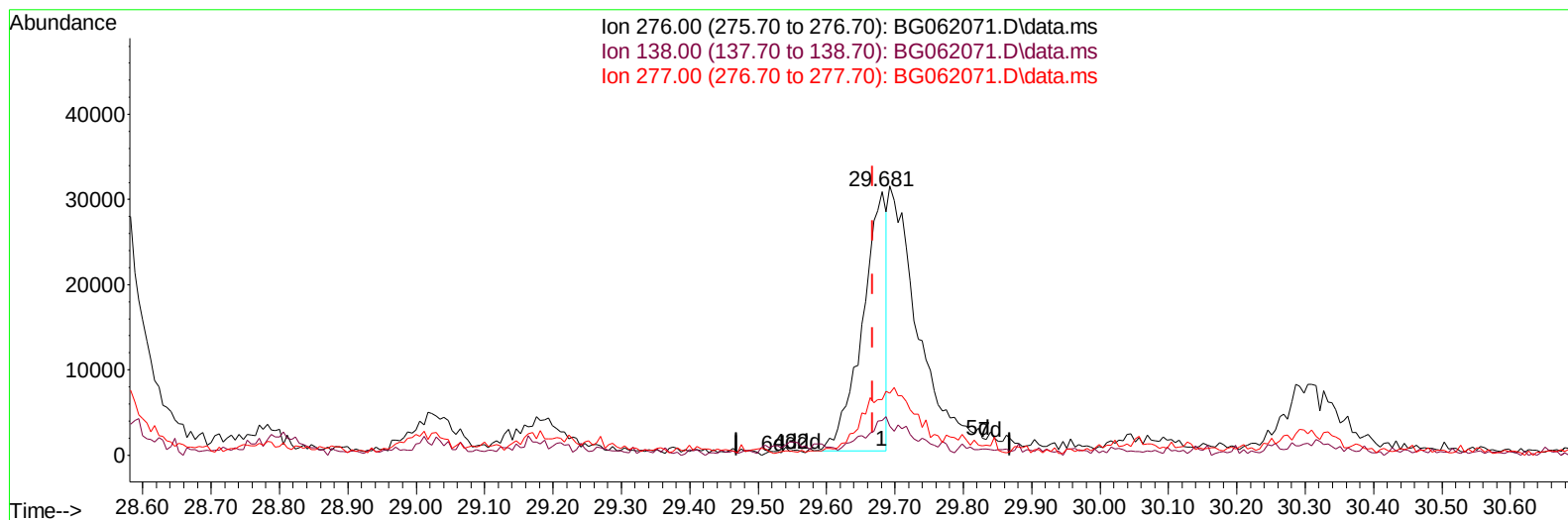
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 15 17:15:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration



TIC: BG062071.D\data.ms

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

29.681min (+ 0.013) 3.31 ng/u1

response 74542

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.90	13.04
277.00	23.50	21.14
0.00	0.00	0.00

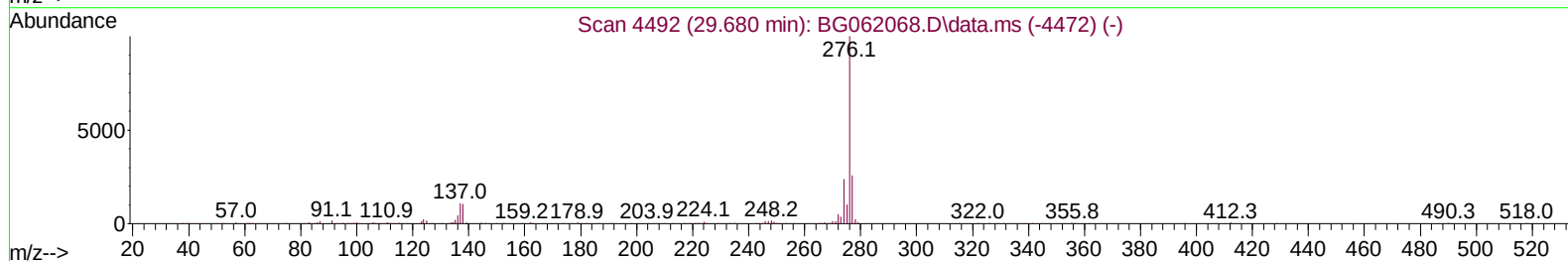
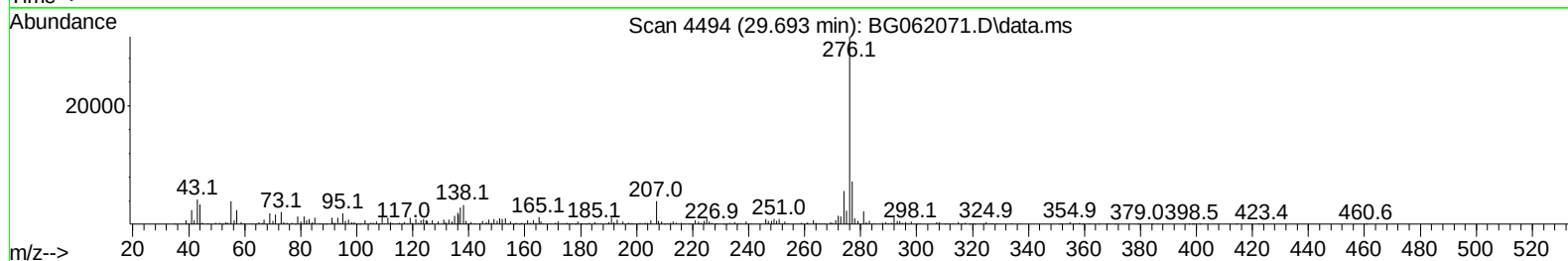
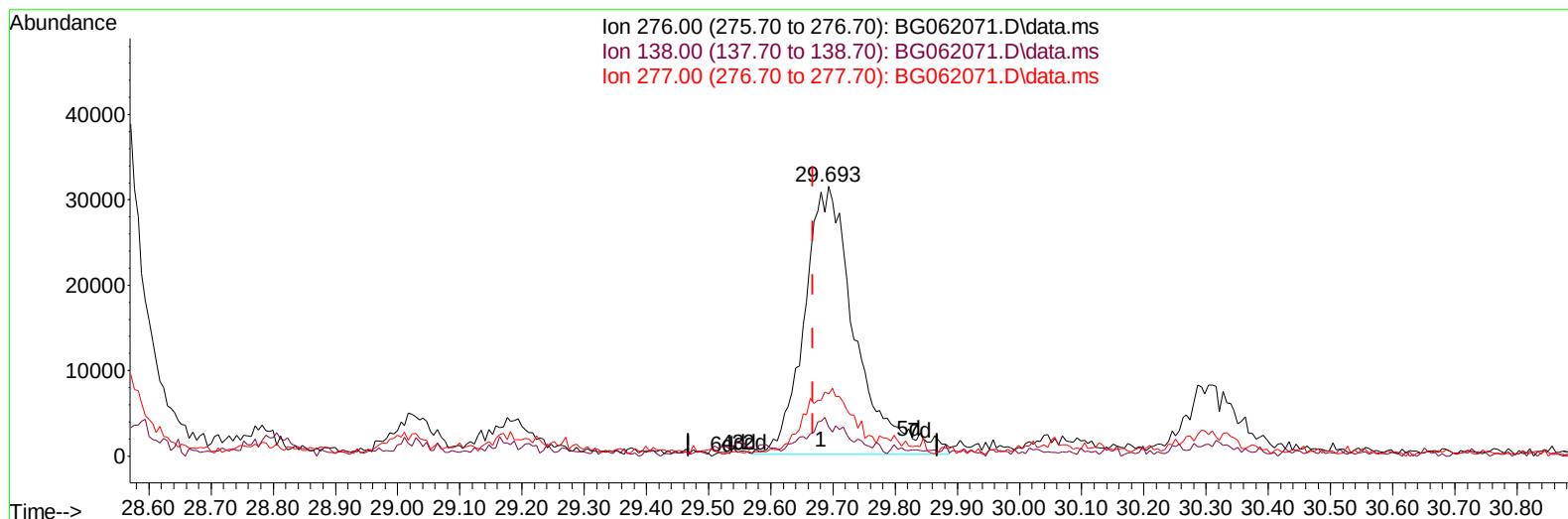
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062071.D
Acq On : 15 Jul 2024 16:38
Operator : MA/JU
Sample : P3100-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 15 17:15:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062071.D\data.ms

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

29.693min (+ 0.025) 7.97 ng/u l m

response 179414

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.90	10.76#
277.00	23.50	23.11
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062071.D
 Acq On : 15 Jul 2024 16:38
 Operator : MA/JU
 Sample : P3100-23
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D51

Manual IntegrationsAPPROVED

Quant Time: Jul 16 02:52:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.042	152	43962	20.000	ng/ul	0.00
20) Naphthalene-d8	10.850	136	206420	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.669	164	145967	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.413	188	329973	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.679	240	305564	20.000	ng/ul	0.00
88) Perylene-d12	24.887	264	371120	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.435	96	2981m	2.548	ng/uL	0.00
4) Pyridine-d5	3.864	84	16565	4.605	ng/ul	0.00
7) Phenol-d5	7.202	99	89410	18.584	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.360	67	41537	13.634	ng/ul	0.00
11) 2-Chlorophenol-d4	7.572	132	60985	18.480	ng/ul	0.00
15) 4-Methylphenol-d8	8.747	113	73571	19.422	ng/ul	0.00
21) Nitrobenzene-d5	9.211	128	31315	19.947	ng/ul	0.00
24) 2-Nitrophenol-d4	9.928	143	38858	21.675	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.468	165	82579	23.881	ng/ul	0.00
31) 4-Chloroaniline-d4	10.985	131	3473m	0.692	ng/ul	0.00
46) Dimethylphthalate-d6	14.070	166	287119	23.926	ng/ul	0.00
49) Acenaphthylene-d8	14.364	160	302000	24.067	ng/ul	0.00
54) 4-Nitrophenol-d4	14.881	143	38792	20.242	ng/ul	0.00
60) Fluorene-d10	15.662	176	244978	24.249	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.780	200	36239	20.912	ng/ul	0.00
73) Anthracene-d10	17.513	188	407111	26.426	ng/ul	0.00
81) Pyrene-d10	19.799	212	372710	20.737	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.663	264	329003	17.875	ng/ul	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	14.728	153	17436	1.833	ng/ul	93
56) Dibenzofuran	15.063	168	29098	2.165	ng/ul	90
61) Fluorene	15.715	166	63900	5.590	ng/ul	92
72) Phenanthrene	17.460	178	807195	46.394	ng/ul	100
74) Anthracene	17.548	178	175920	9.784	ng/ul	99
77) Carbazole	17.819	167	34010	2.248	ng/ul	94
80) Fluoranthene	19.470	202	1356185m	63.760	ng/ul	
82) Pyrene	19.828	202	808226	36.786	ng/ul#	92
85) Benzo(a)anthracene	21.655	228	660172	29.840	ng/ul	99
87) Chrysene	21.720	228	569239	27.485	ng/ul	96
90) Benzo(b)fluoranthene	23.870	252	816006m	34.899	ng/ul	
91) Benzo(k)fluoranthene	23.929	252	233496	10.014	ng/ul	99
93) Benzo(a)pyrene	24.740	252	362567m	16.375	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.547	276	275924	9.752	ng/ul	96
95) Dibenzo(a,h)anthracene	28.594	278	116281m	4.976	ng/ul	
96) Benzo(g,h,i)perylene	29.693	276	179414m	7.970	ng/ul	

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

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/16/2024
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