

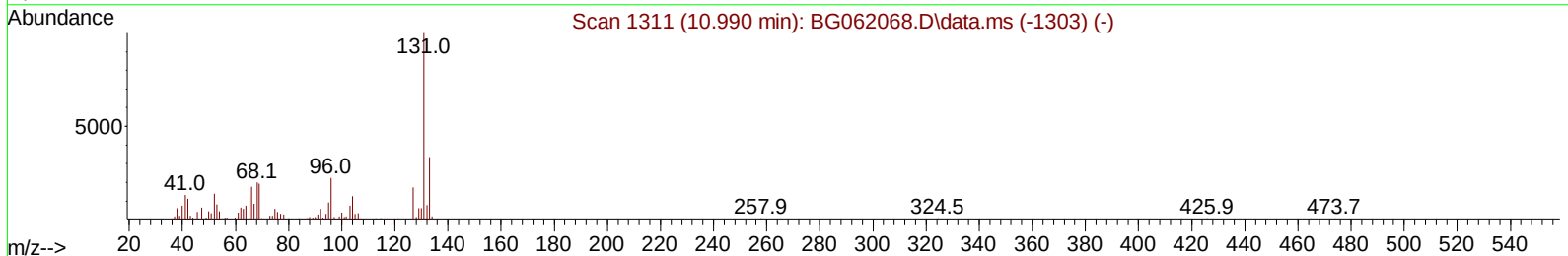
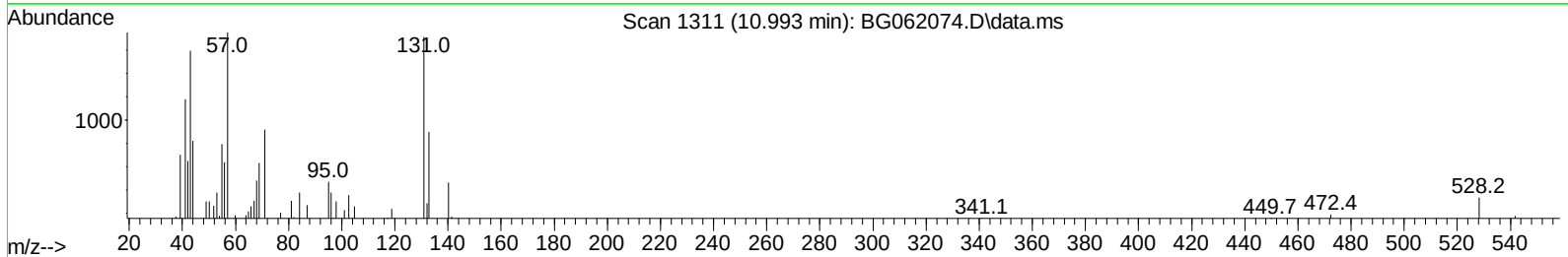
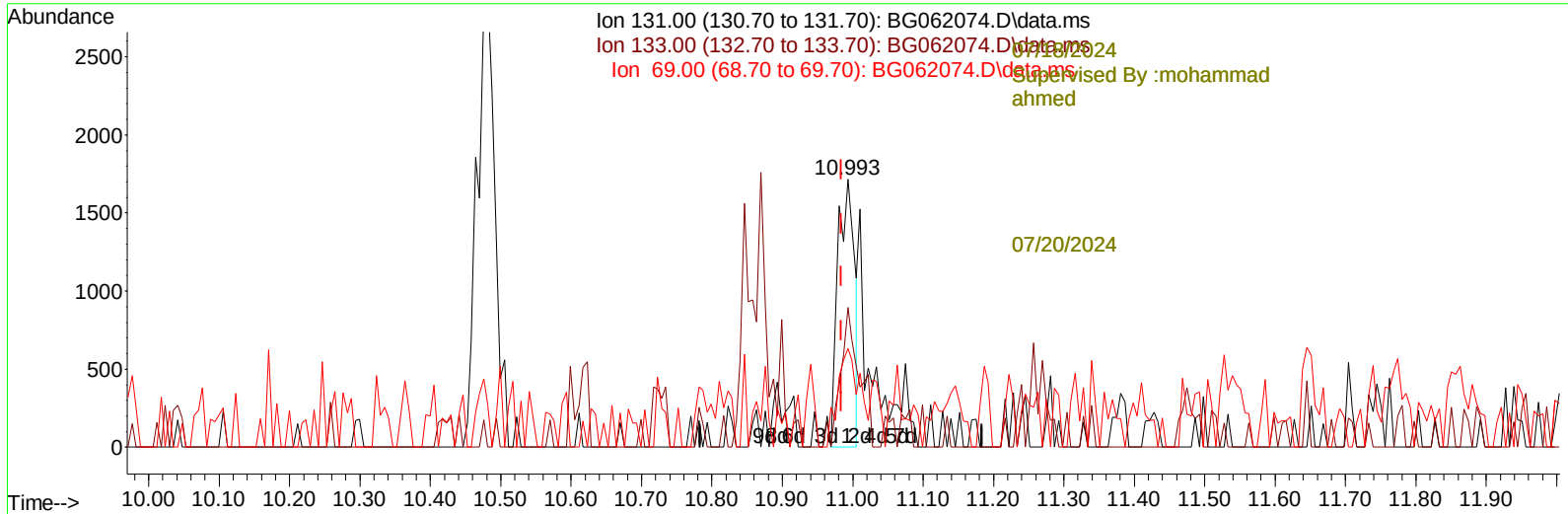
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:28 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



TIC: BG062074.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.993min (+ 0.009) 0.60 ng/u1

response 2782

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	52.19#
69.00	21.00	36.79#
0.00	0.00	0.00

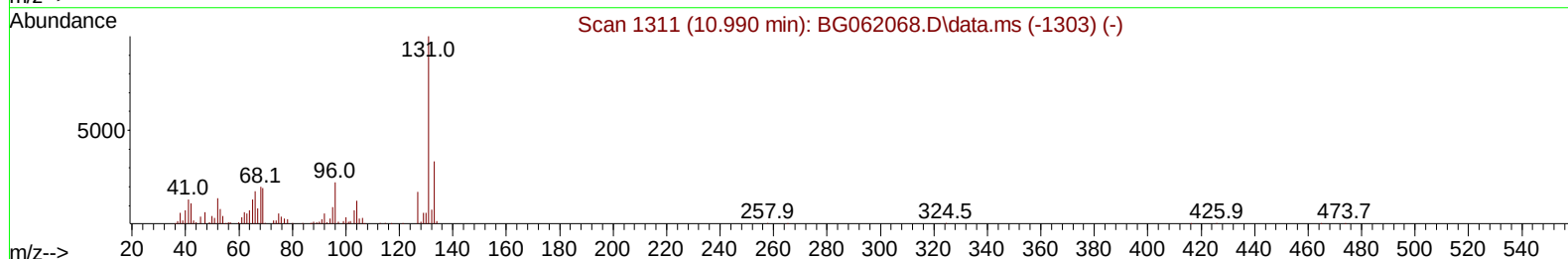
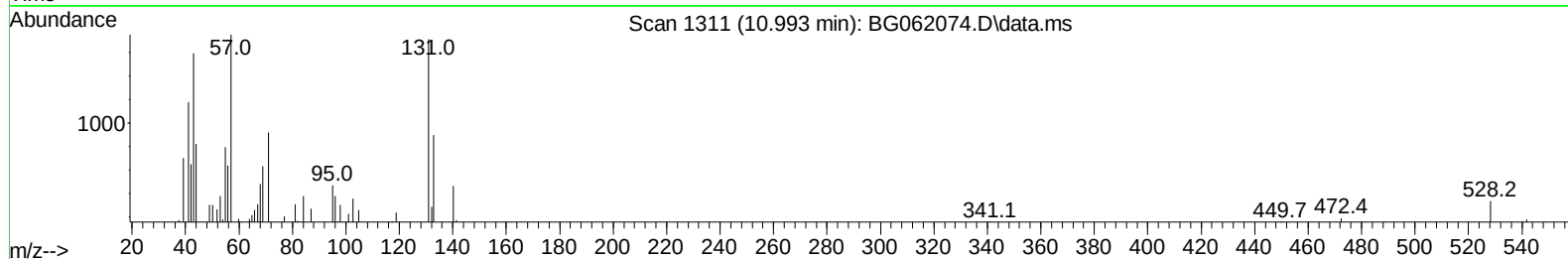
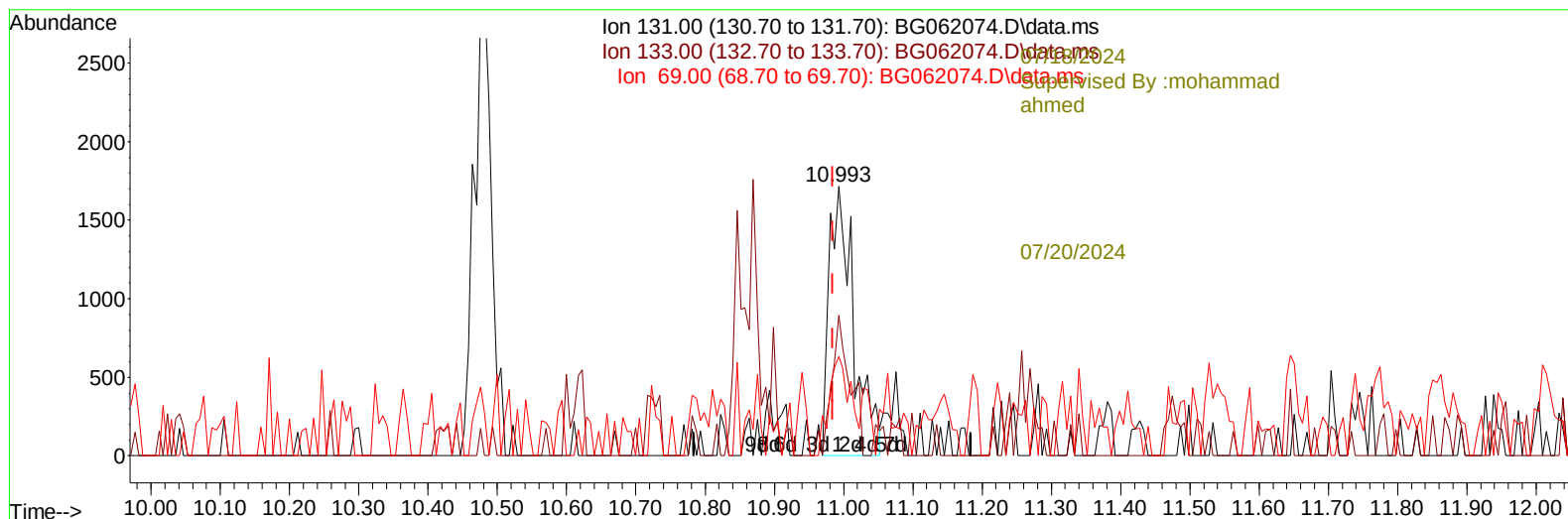
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:28 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



TIC: BG062074.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.993min (+ 0.009) 0.90 ng/ul m

response 4209

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	52.19#
69.00	21.00	36.79#
0.00	0.00	0.00

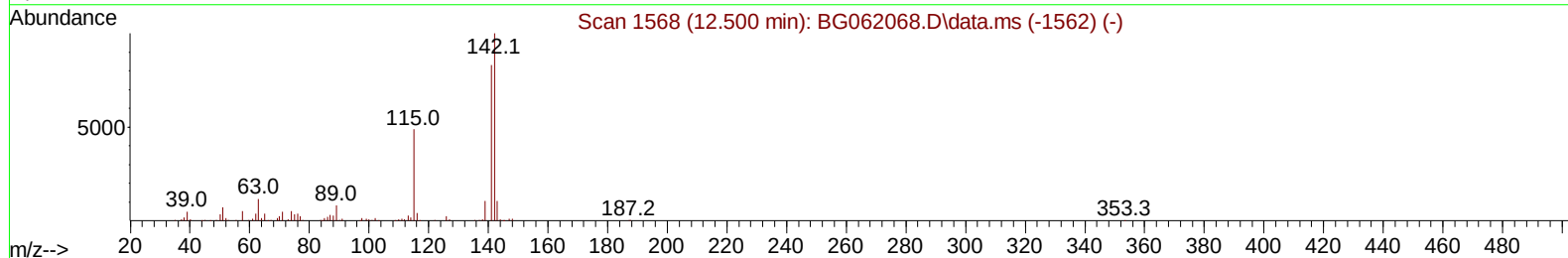
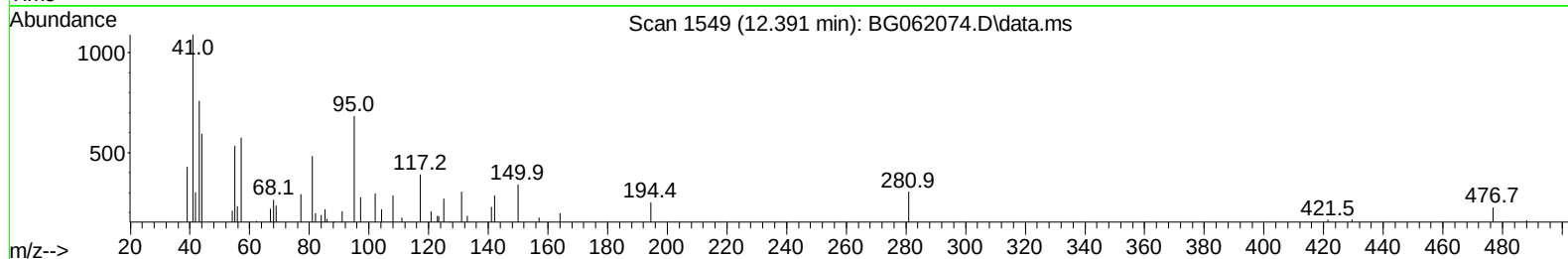
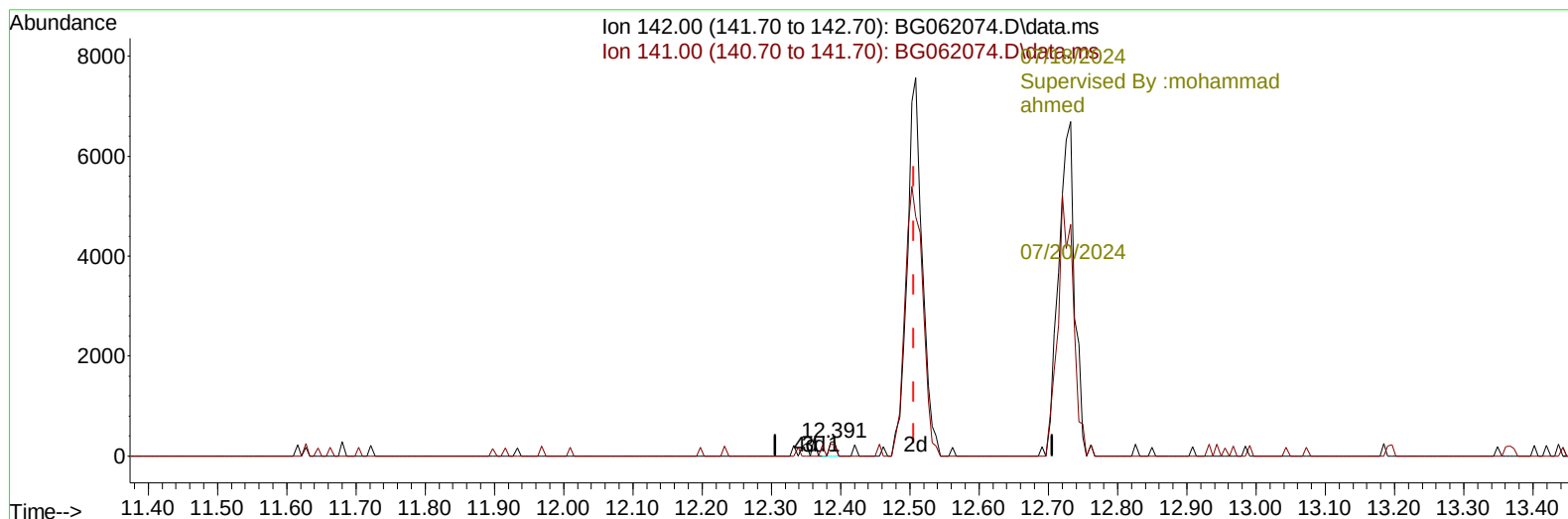
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:28 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



TIC: BG062074.D\data.ms

(36) 2-Methylnaphthalene

12.391min (-0.115) 0.03 ng/u1

response 199

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.80	79.72
0.00	0.00	0.00
0.00	0.00	0.00

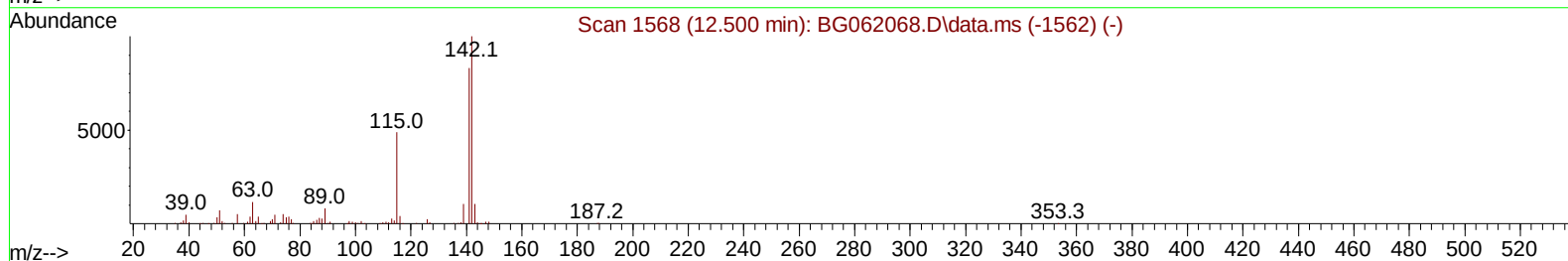
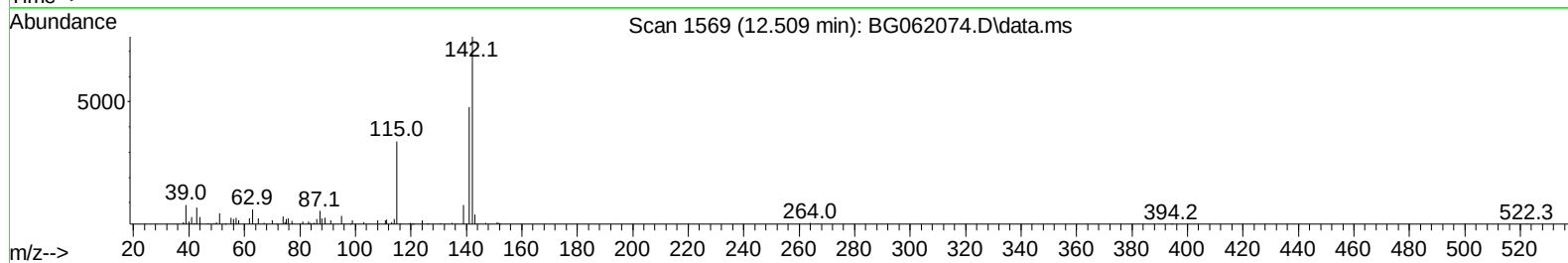
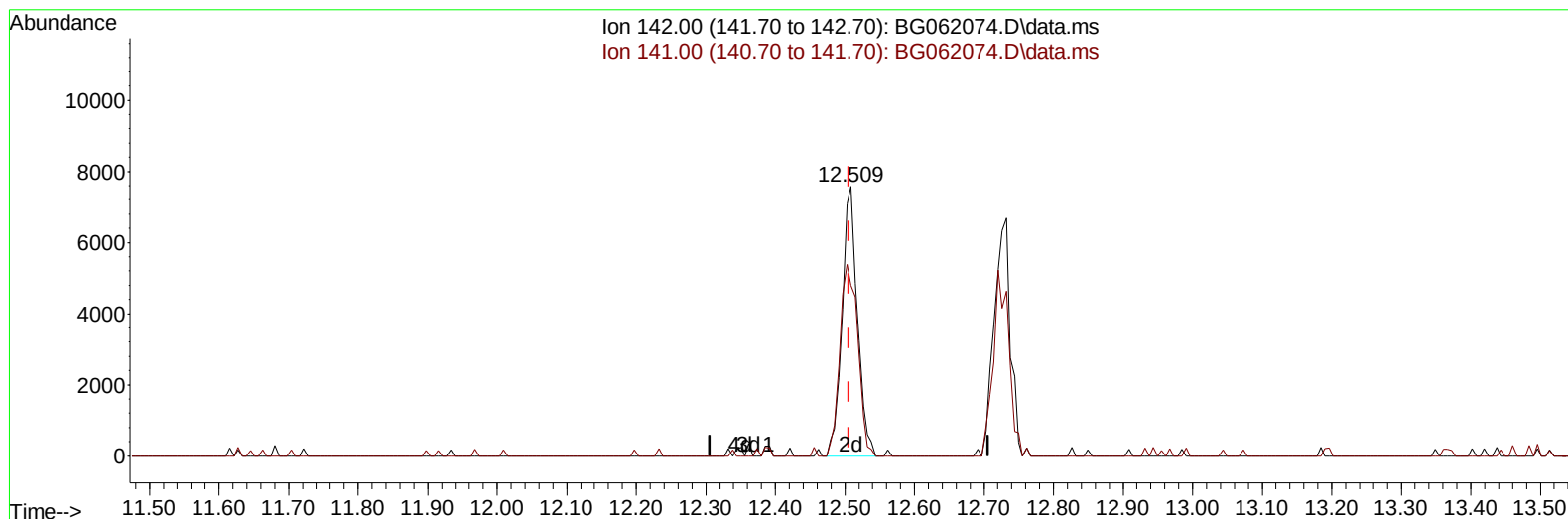
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062074.D
 Acq On : 15 Jul 2024 18:42
 Operator : MA/JU
 Sample : P3100-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:28 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 07/18/2024
 Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

(36) 2-Methylnaphthalene

12.509min (+ 0.003) 1.51 ng/ul m

response 11538

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.80	63.24#
0.00	0.00	0.00
0.00	0.00	0.00

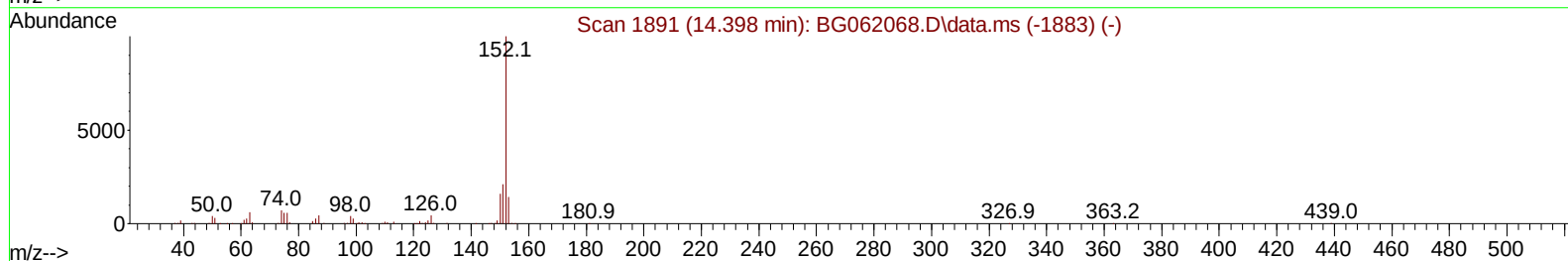
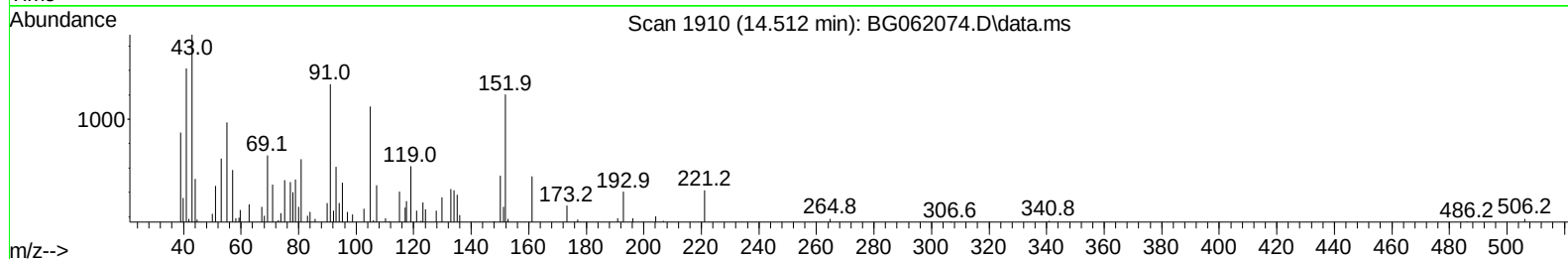
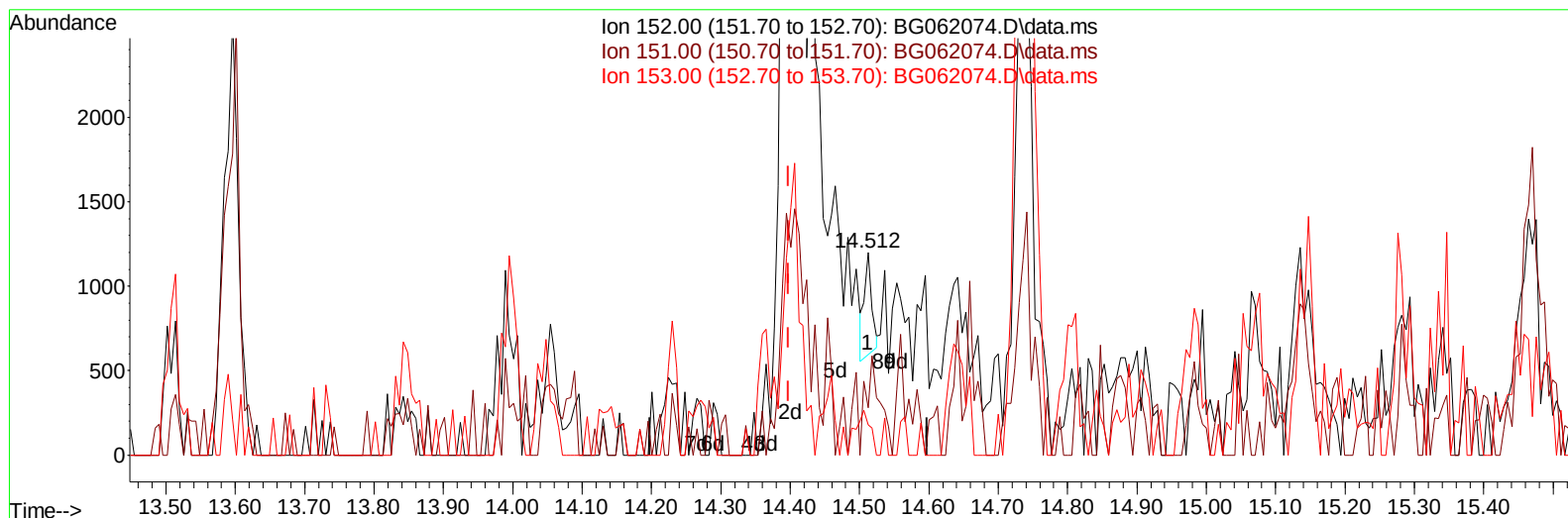
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062074.D
 Acq On : 15 Jul 2024 18:42
 Operator : MA/JU
 Sample : P3100-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:36:55 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 07/18/2024
 Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

(50) Acenaphthylene

14.512min (+ 0.114) 0.04 ng/ul

response 452

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.60	23.31
153.00	14.20	14.99
0.00	0.00	0.00

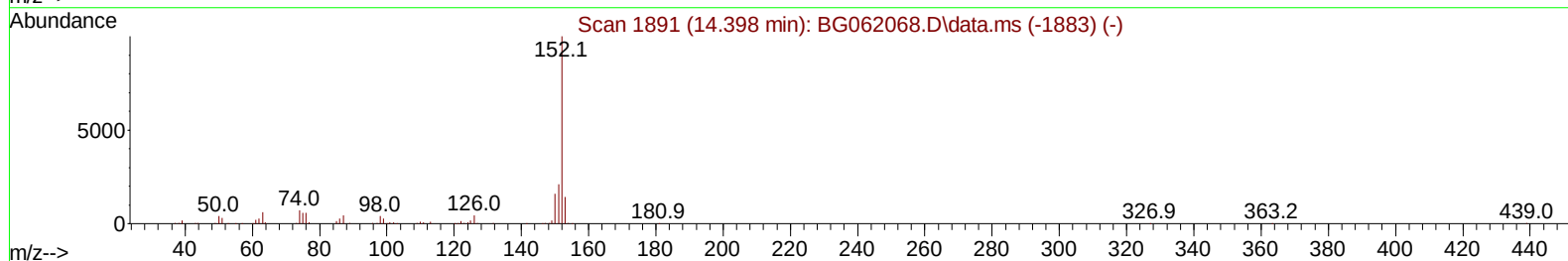
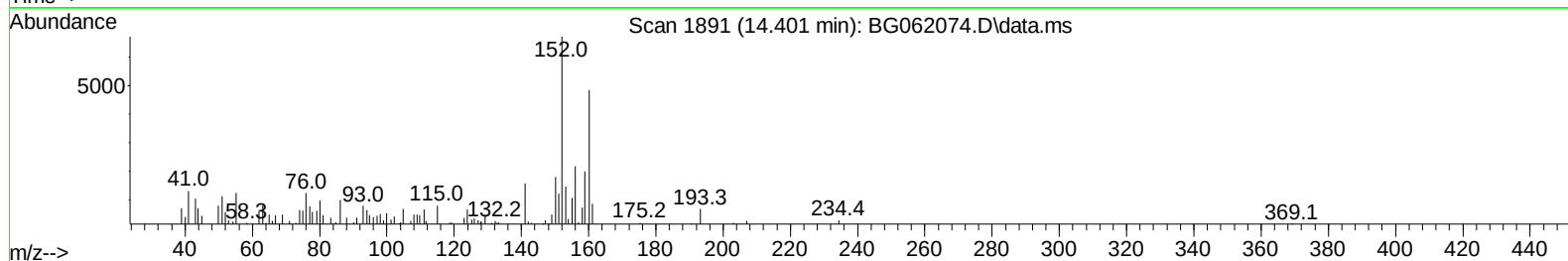
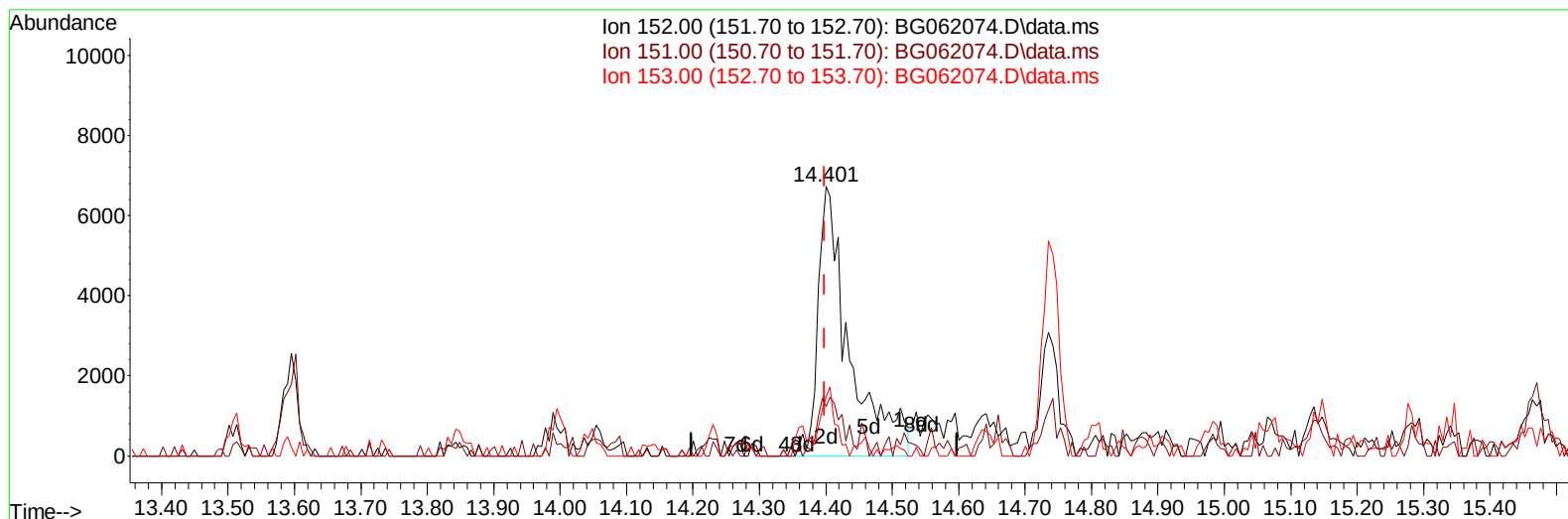
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:36:55 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 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

(50) Acenaphthylene

14.401min (+ 0.003) 1.77 ng/ul m

response 22079

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.60	18.31
153.00	14.20	21.81#
0.00	0.00	0.00

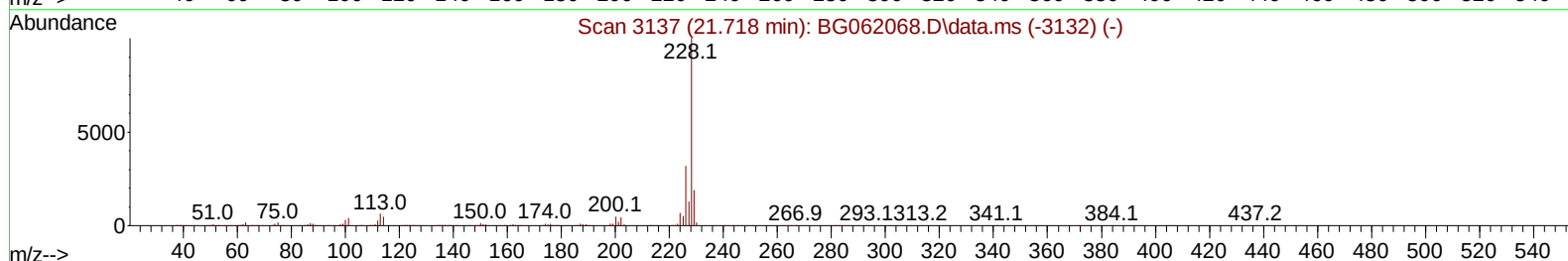
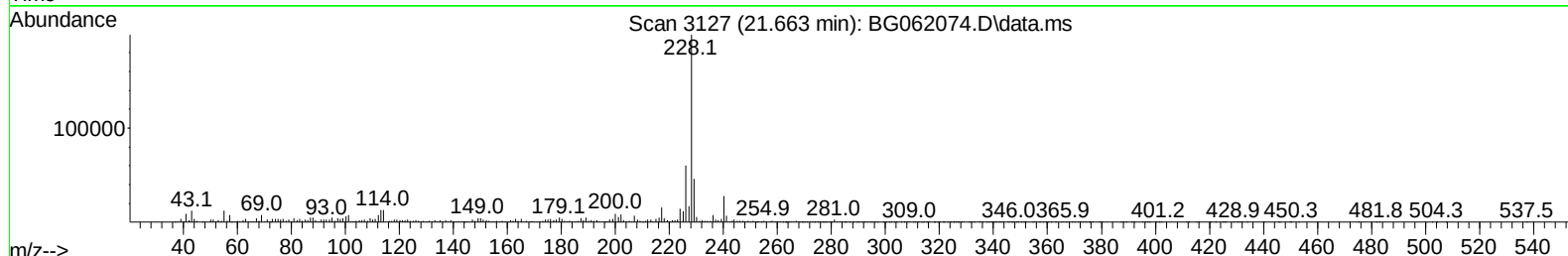
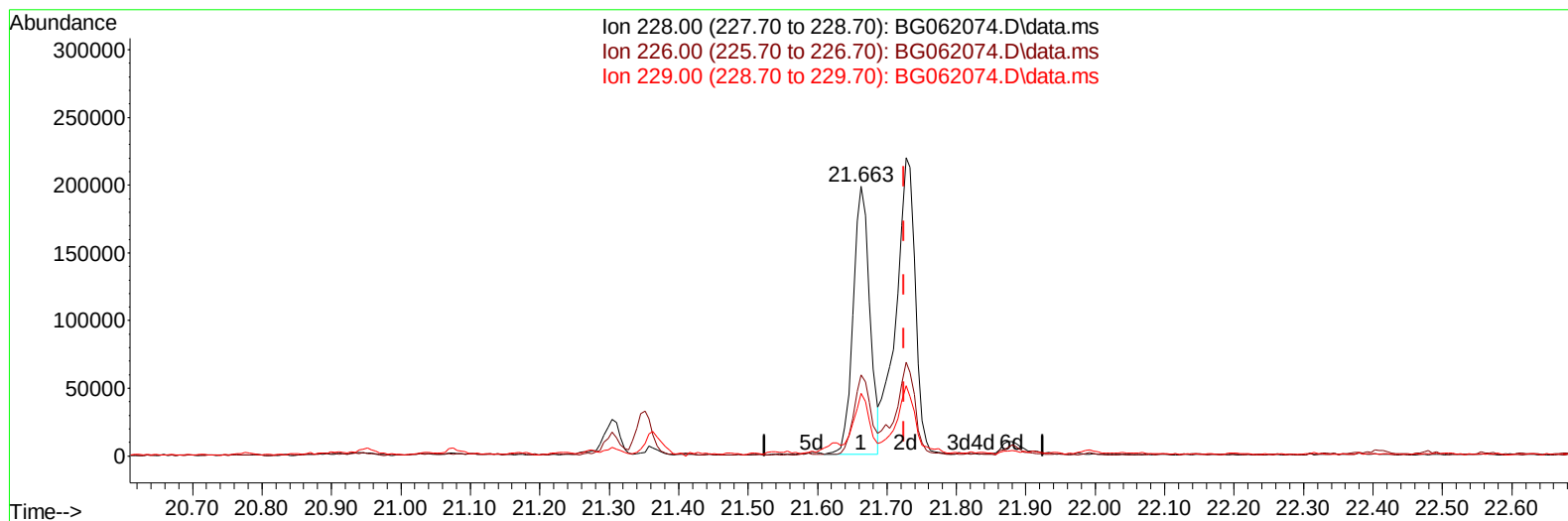
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
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A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:28 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

(87) Chrysene

21.663min (-0.062) 18.51 ng/u1

response 328031

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.10	30.07
229.00	19.40	23.22
0.00	0.00	0.00

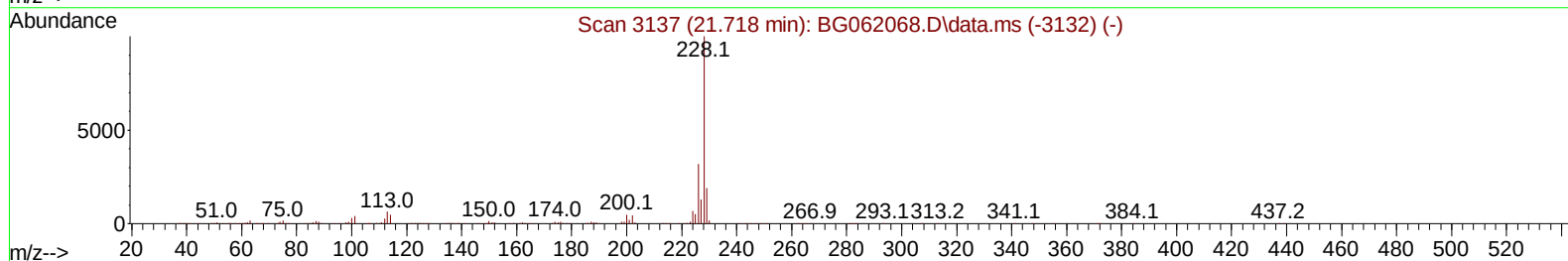
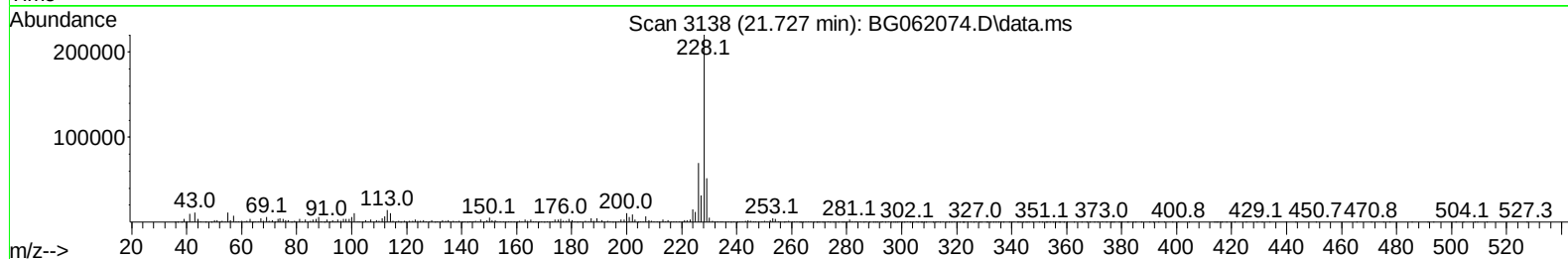
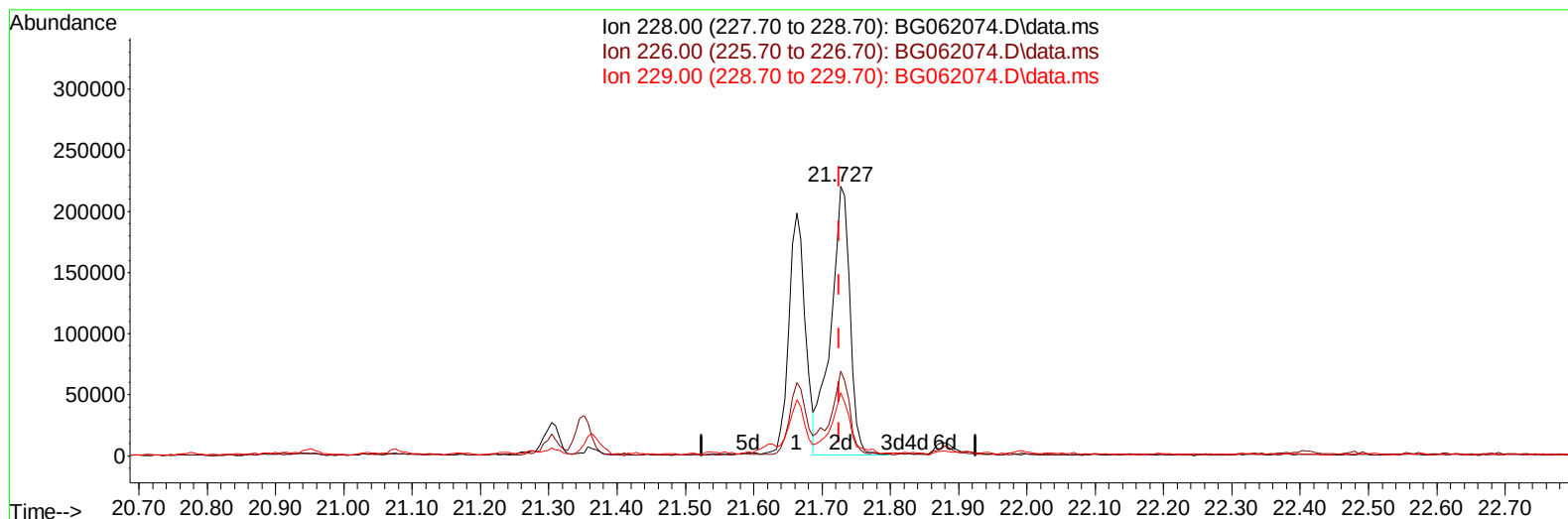
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062074.D
 Acq On : 15 Jul 2024 18:42
 Operator : MA/JU
 Sample : P3100-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:28 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 07/18/2024
 Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

(87) Chrysene

21.727min (+ 0.003) 24.25 ng/ul m

response 429860

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.10	31.45
229.00	19.40	23.51#
0.00	0.00	0.00

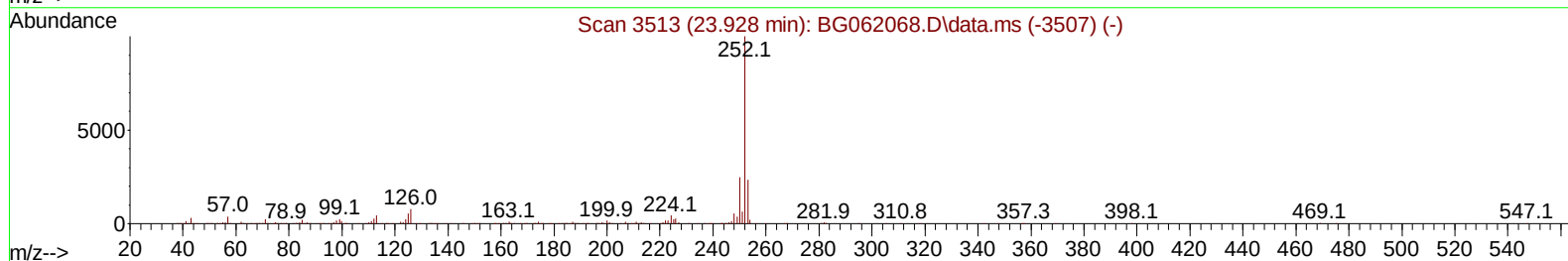
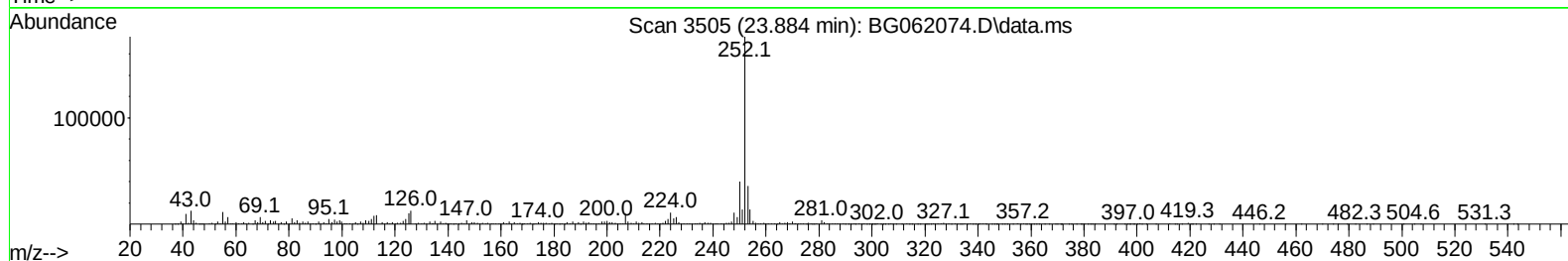
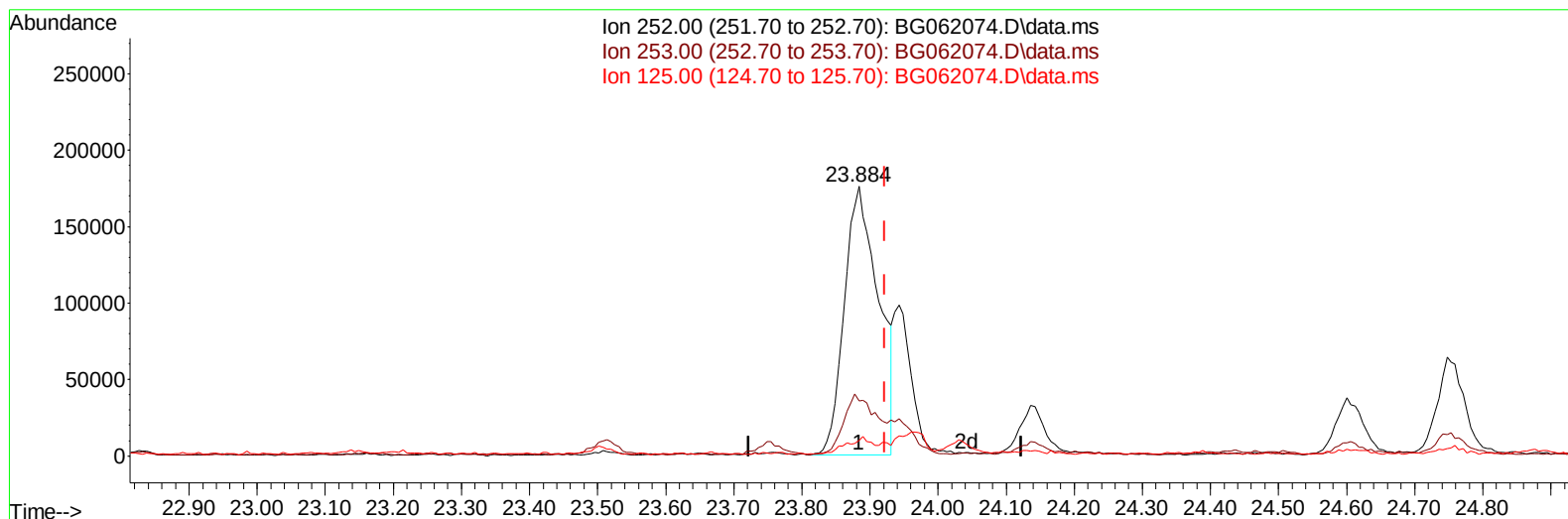
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:28 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

(91) Benzo(k)fluoranthene

23.884min (-0.038) 32.21 ng/u1

response 609412

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	20.47
125.00	7.90	5.87#
0.00	0.00	0.00

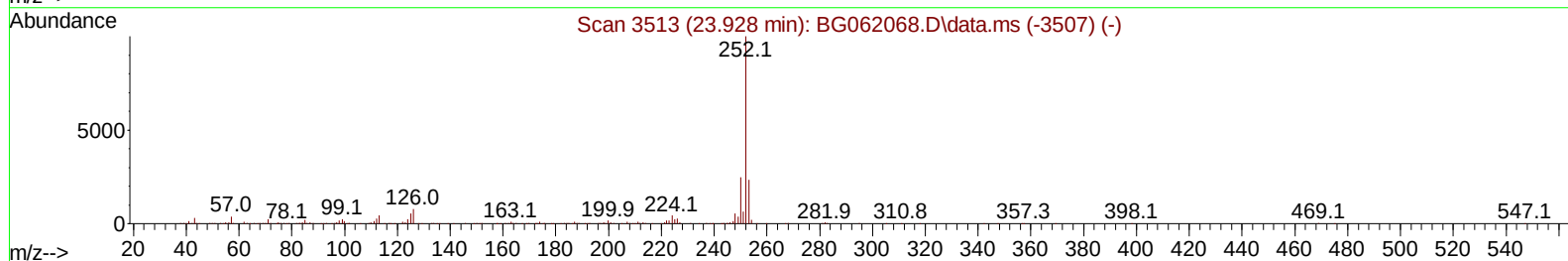
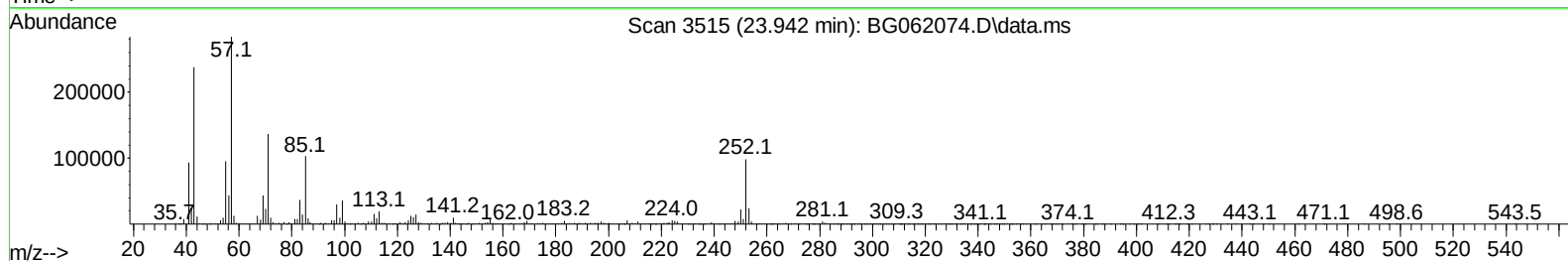
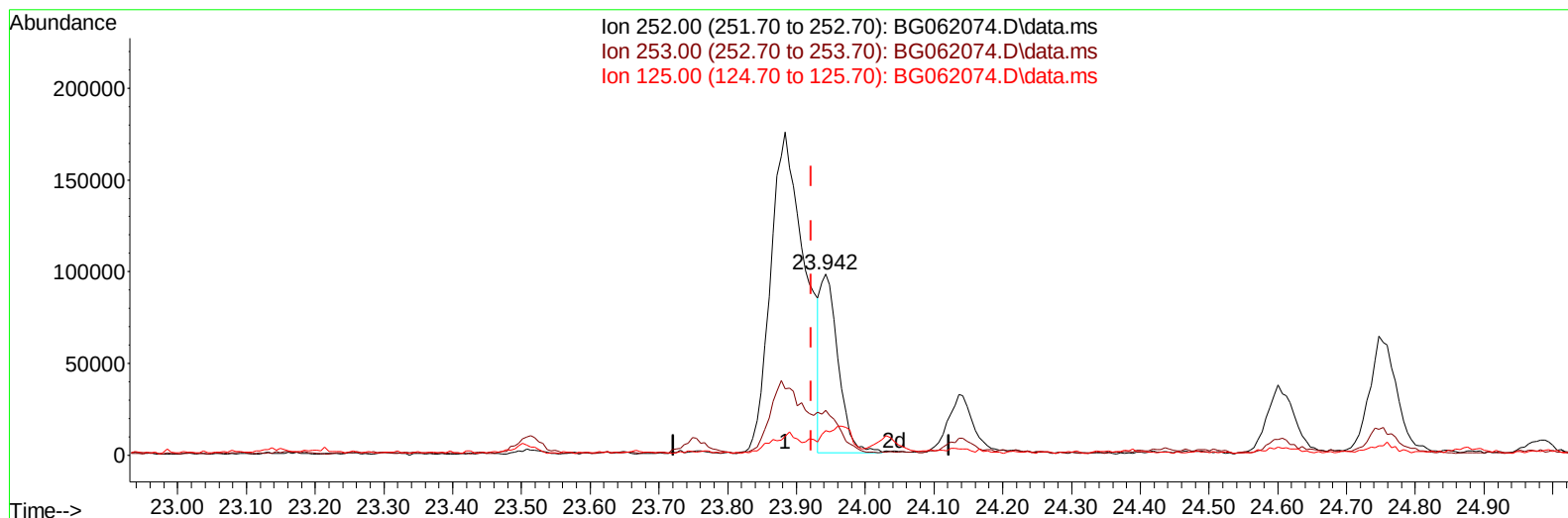
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:28 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 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

(91) Benzo(k)fluoranthene

23.942min (+ 0.020) 9.22 ng/ul m

response 174507

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	24.80
125.00	7.90	13.35#
0.00	0.00	0.00

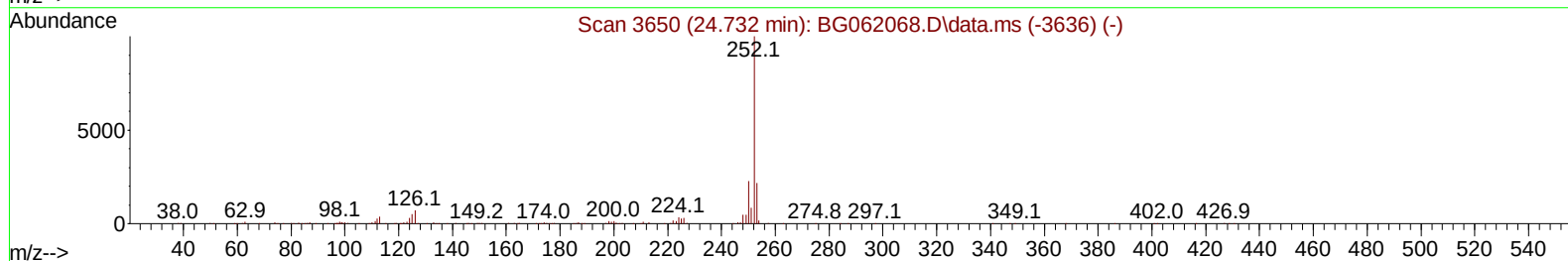
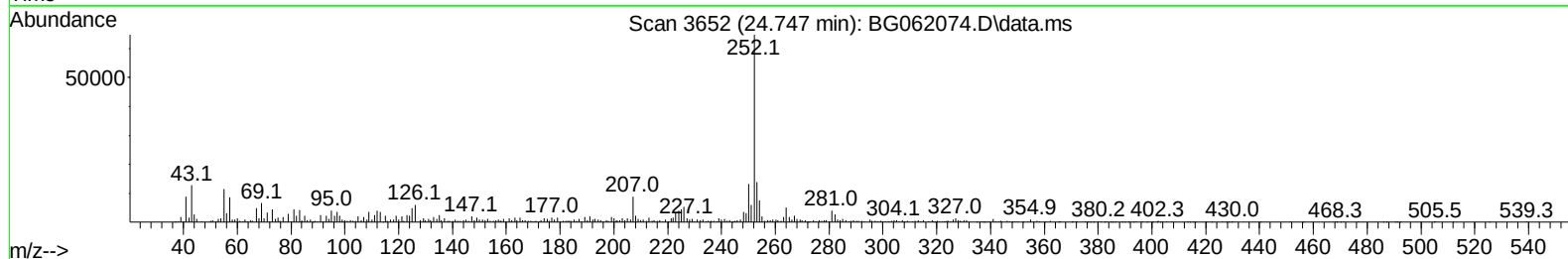
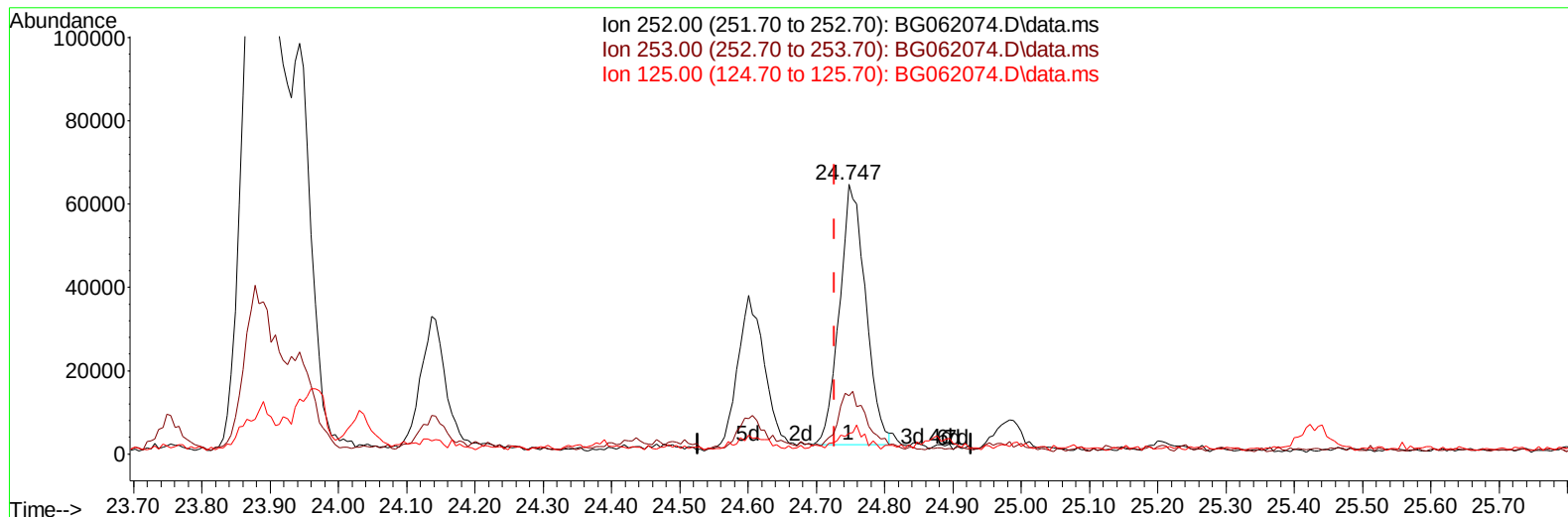
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:28 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 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

(93) Benzo(a)pyrene (C)

24.747min (+ 0.020) 9.29 ng/u l

response 166898

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	21.54
125.00	9.30	7.59
0.00	0.00	0.00

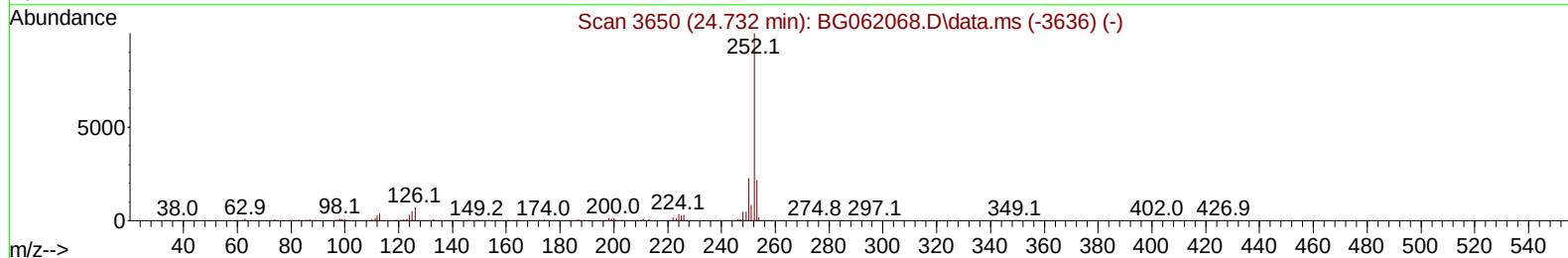
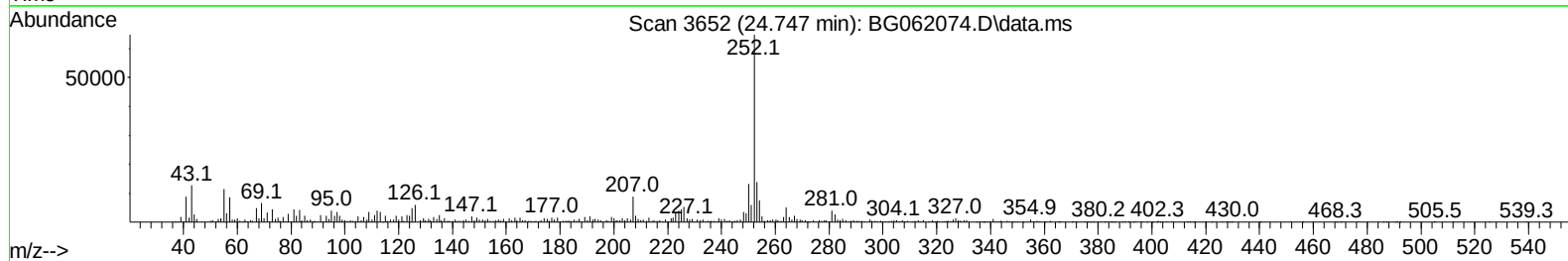
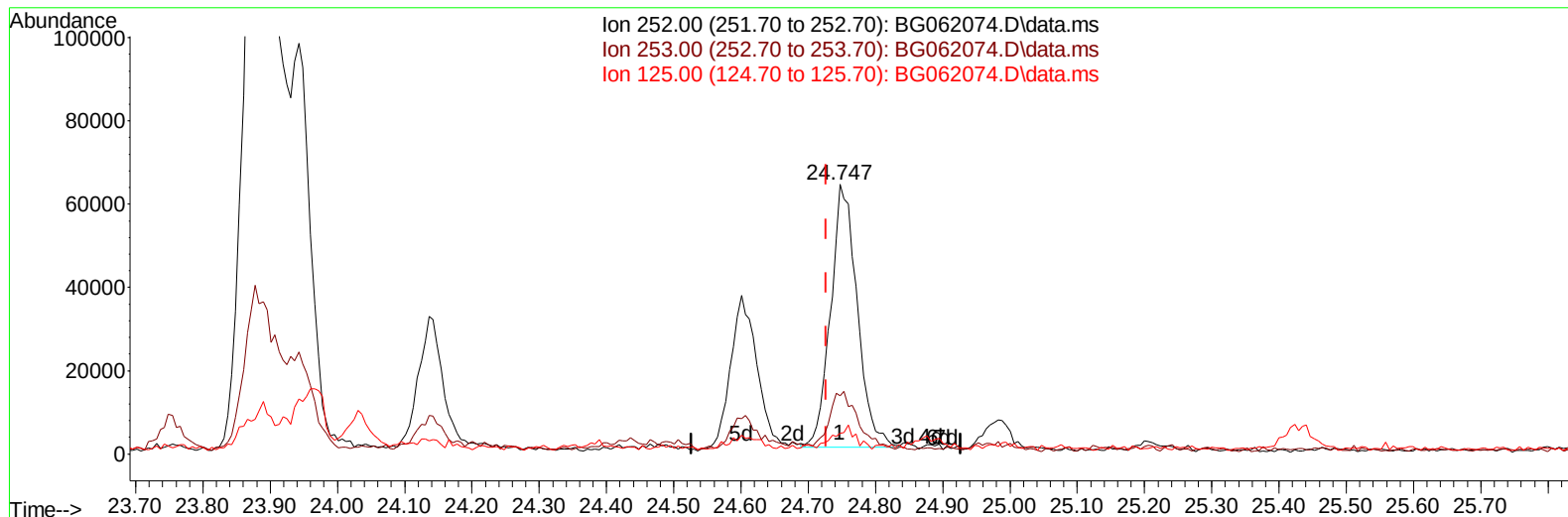
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:27:28 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 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

(93) Benzo(a)pyrene (C)

24.747min (+ 0.020) 9.70 ng/u1 m

response 174347

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	21.54
125.00	9.30	7.59
0.00	0.00	0.00

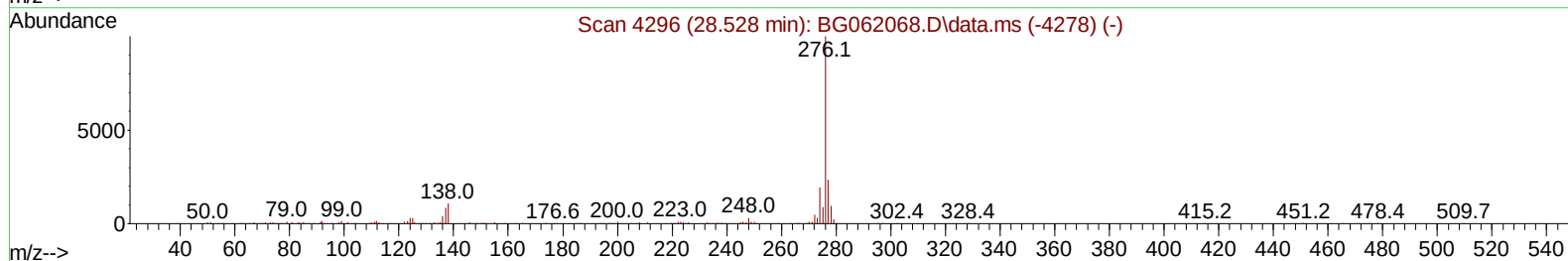
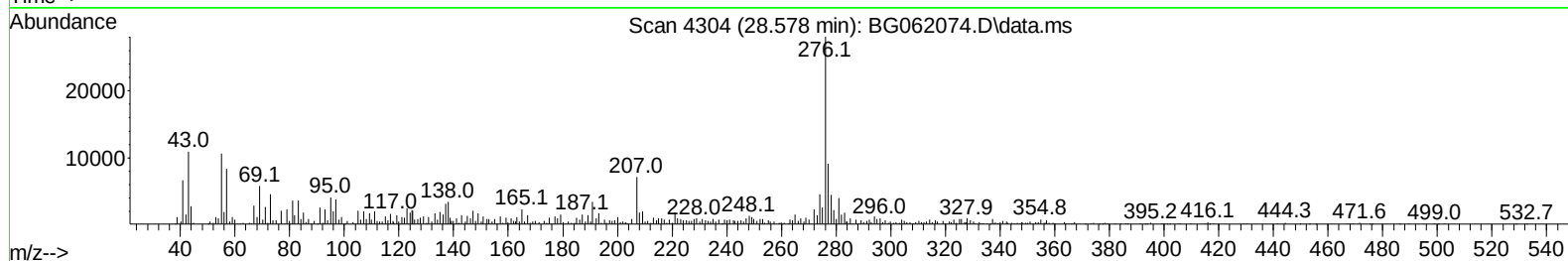
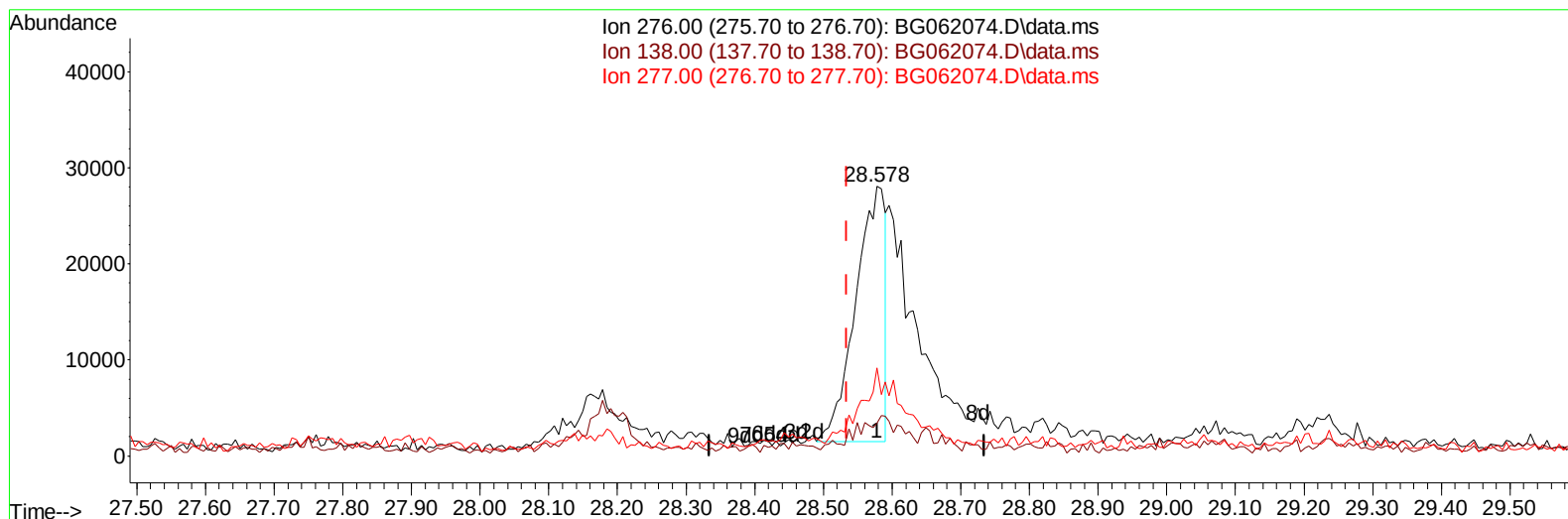
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual IntegrationsAPPROVED

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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 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

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

28.578min (+ 0.044) 3.45 ng/u1

response 79323

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.90	16.19
277.00	24.10	32.64#
0.00	0.00	0.00

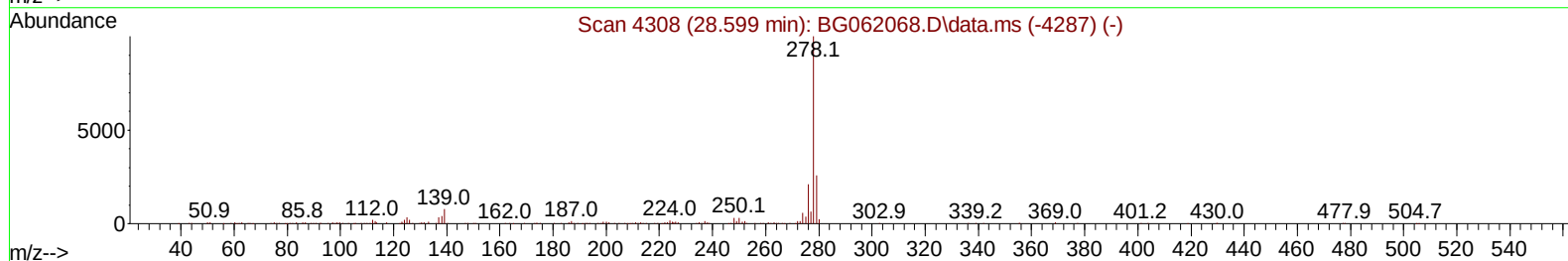
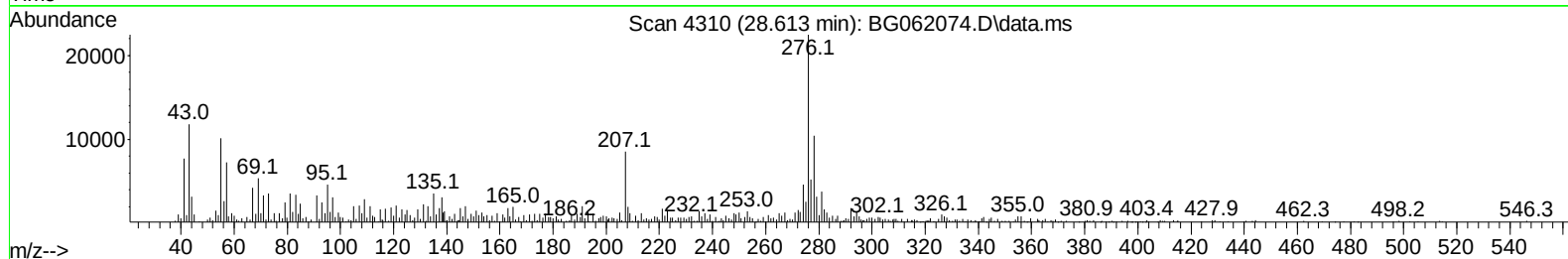
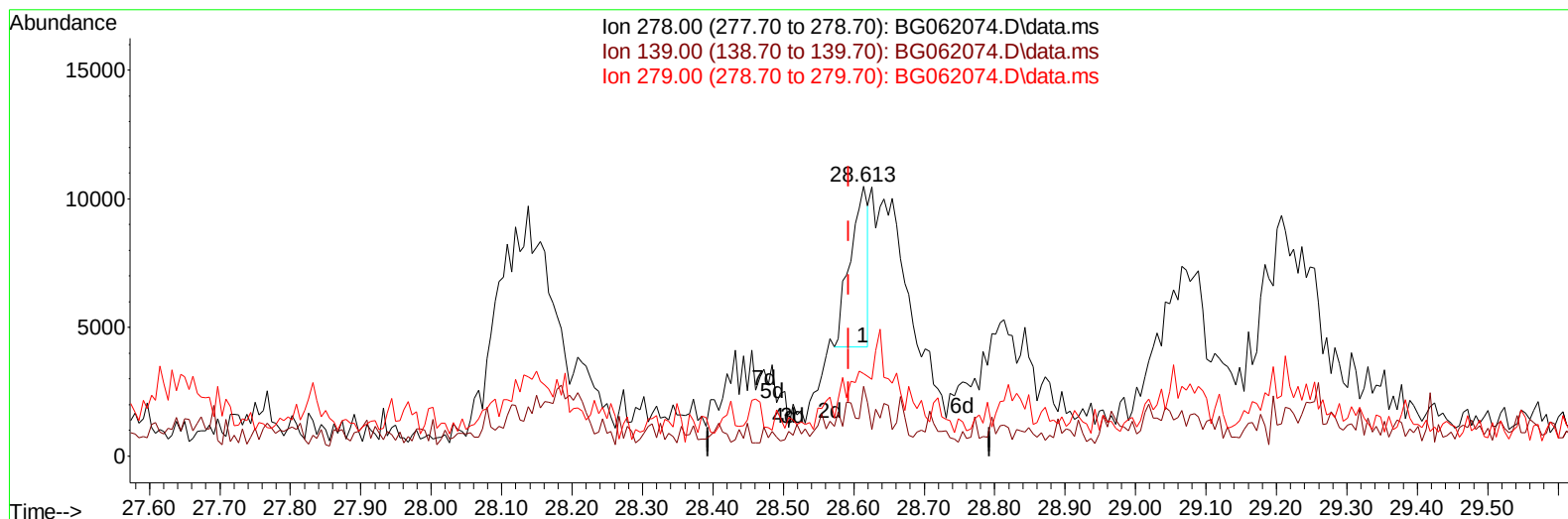
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D33

Manual IntegrationsAPPROVED

Quant Time: Jul 15 23:36:16 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 07/18/2024
Supervised By :mohammad ahmed 07/20/2024



TIC: BG062074.D\data.ms

(95) Dibenzo(a,h)anthracene

28.613min (+ 0.020) 0.57 ng/u1

response 10886

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	28.86#
279.00	23.50	30.47#
0.00	0.00	0.00

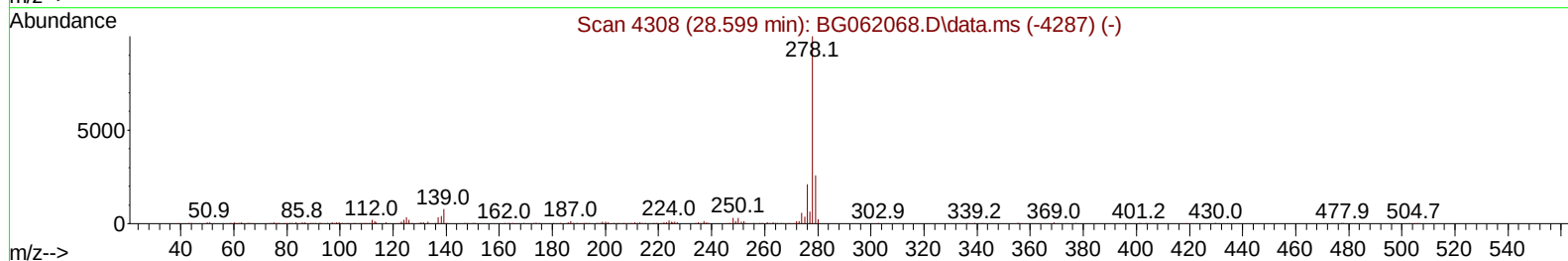
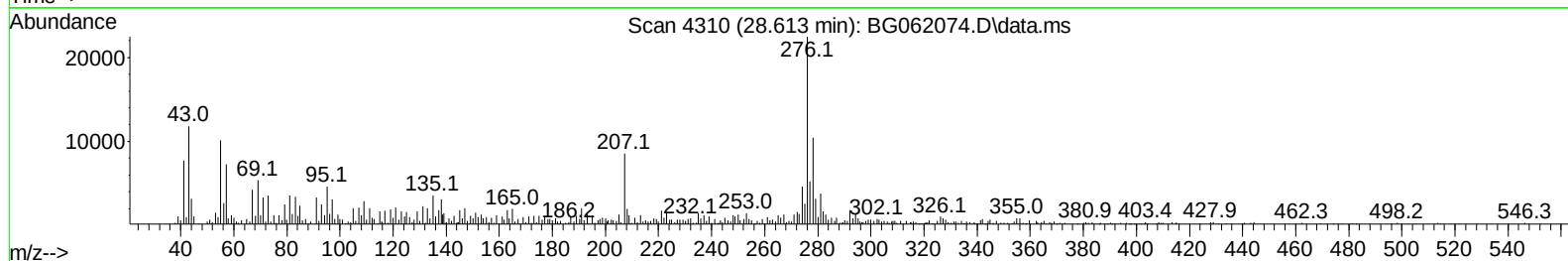
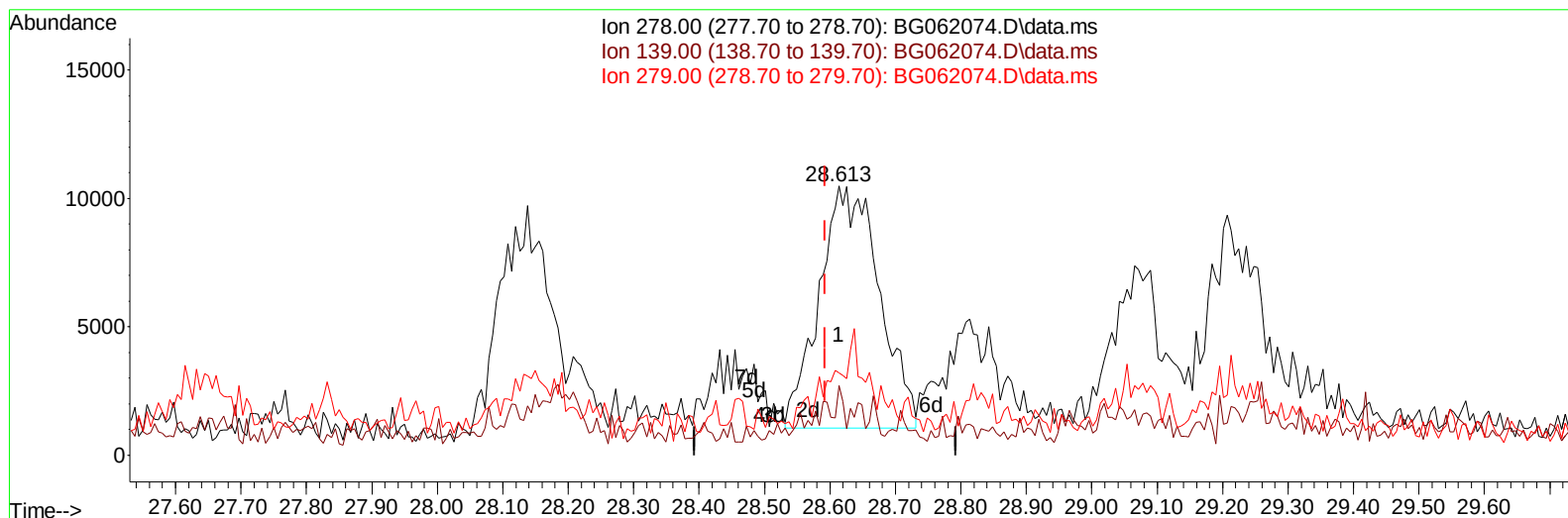
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062074.D
Acq On : 15 Jul 2024 18:42
Operator : MA/JU
Sample : P3100-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4D33

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TIC: BG062074.D\data.ms

(95) Dibenzo(a,h)anthracene

28.613min (+ 0.020) 3.18 ng/ul m

response 60247

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	13.41#
279.00	23.50	30.47#
0.00	0.00	0.00

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Manual IntegrationsAPPROVED

Quant Time: Jul 17 07:17:28 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 07/18/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.043	152	42371	20.000	ng/ul	0.00
20) Naphthalene-d8	10.858	136	192225	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.671	164	132277	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.421	188	288550	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.680	240	261481	20.000	ng/ul	# 0.00
88) Perylene-d12	24.900	264	301140	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.443	96	5665	5.024	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.215	99	156652	33.784	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.368	67	89102	30.344	ng/ul	0.00
11) 2-Chlorophenol-d4	7.579	132	111477	35.048	ng/ul	0.00
15) 4-Methylphenol-d8	8.760	113	118551	32.472	ng/ul	0.01
21) Nitrobenzene-d5	9.213	128	59772	40.885	ng/ul	0.00
24) 2-Nitrophenol-d4	9.935	143	73935	44.286	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.476	165	136997	42.543	ng/ul	0.00
31) 4-Chloroaniline-d4	10.993	131	4209m	0.900	ng/ul	0.00
46) Dimethylphthalate-d6	14.078	166	415492	38.206	ng/ul	0.00
49) Acenaphthylene-d8	14.371	160	468754	41.222	ng/ul	0.00
54) 4-Nitrophenol-d4	14.894	143	58276	33.556	ng/ul	0.02
60) Fluorene-d10	15.670	176	364401	39.804	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.787	200	53559	35.343	ng/ul	0.00
73) Anthracene-d10	17.521	188	558200	41.434	ng/ul	0.00
81) Pyrene-d10	19.806	212	529895	34.453	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.689	264	394710	26.428	ng/ul	0.03
Target Compounds						
					Qvalue	
30) Naphthalene	10.905	128	17169	1.626	ng/ul#	91
36) 2-Methylnaphthalene	12.509	142	11538m	1.508	ng/ul	
37) 1-Methylnaphthalene	12.732	142	10749	1.352	ng/ul#	80
50) Acenaphthylene	14.401	152	22079m	1.769	ng/ul	
52) Acenaphthene	14.736	153	9179	1.065	ng/ul#	93
56) Dibenzofuran	15.070	168	13039	1.071	ng/ul	90
72) Phenanthrene	17.462	178	302567	19.887	ng/ul	98
74) Anthracene	17.556	178	46064	2.930	ng/ul	99
77) Carbazole	17.826	167	30982	2.341	ng/ul	95
80) Fluoranthene	19.471	202	792289	43.529	ng/ul#	93
82) Pyrene	19.835	202	536420	28.531	ng/ul#	92
85) Benzo(a)anthracene	21.663	228	329275	17.392	ng/ul	93
86) Bis(2-ethylhexyl)phtha...	21.557	149	37596	3.320	ng/ul	100
87) Chrysene	21.727	228	429860m	24.254	ng/ul	
90) Benzo(b)fluoranthene	23.884	252	609412	32.120	ng/ul#	97
91) Benzo(k)fluoranthene	23.942	252	174507m	9.224	ng/ul	
93) Benzo(a)pyrene	24.747	252	174347m	9.704	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.578	276	163975m	7.142	ng/ul	
95) Dibenzo(a,h)anthracene	28.613	278	60247m	3.177	ng/ul	

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

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