

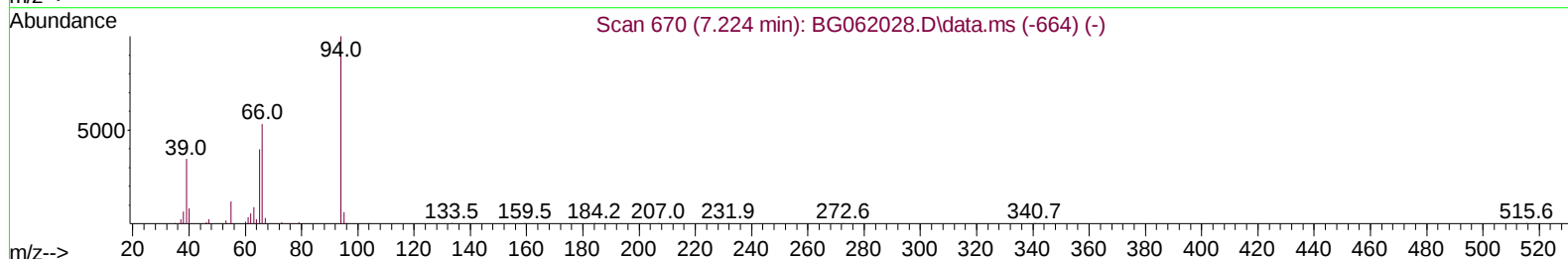
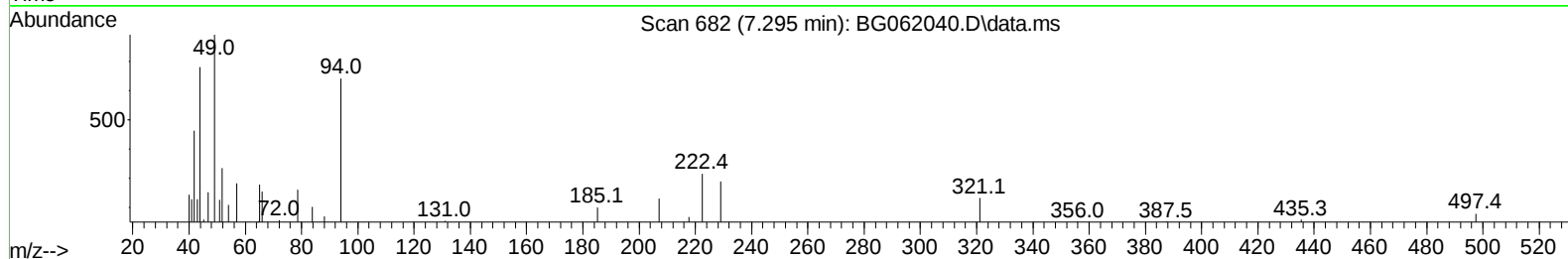
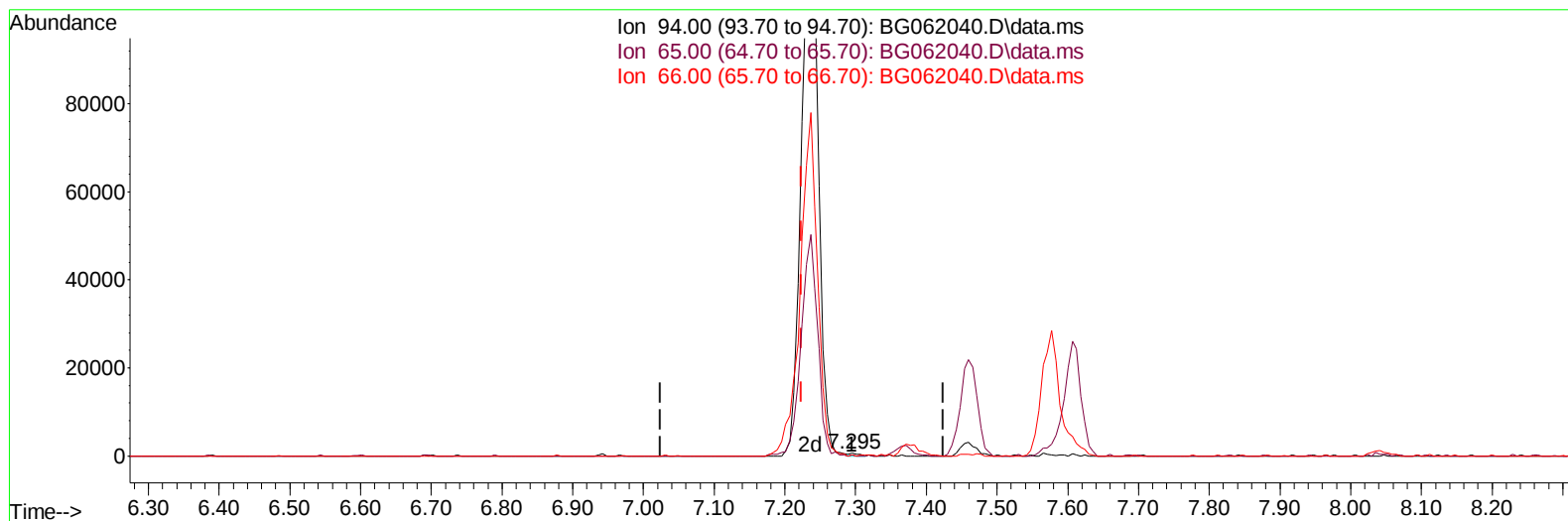
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062040.D
Acq On : 12 Jul 2024 12:43
Operator : MA/JU
Sample : P3101-04MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD6MSD

Manual IntegrationsAPPROVED

Quant Time: Jul 12 13:36:27 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 :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062040.D\data.ms

(8) Phenol

7.295min (+ 0.071) 0.09 ng/u1

response 517

Ion	Exp%	Act%
94.00	100.00	100.00
65.00	36.20	43.37
66.00	46.80	39.78
0.00	0.00	0.00

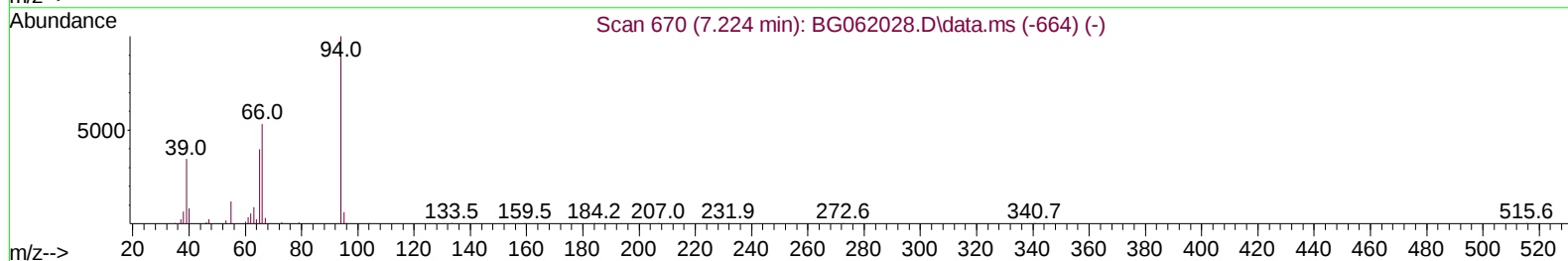
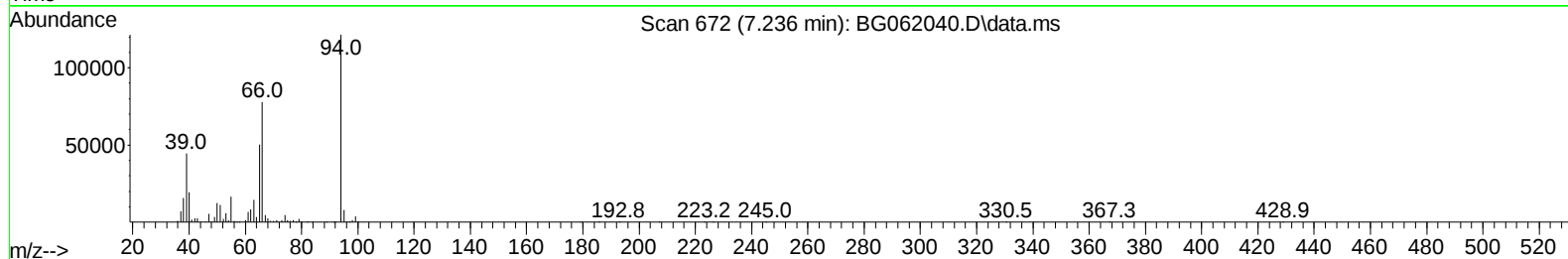
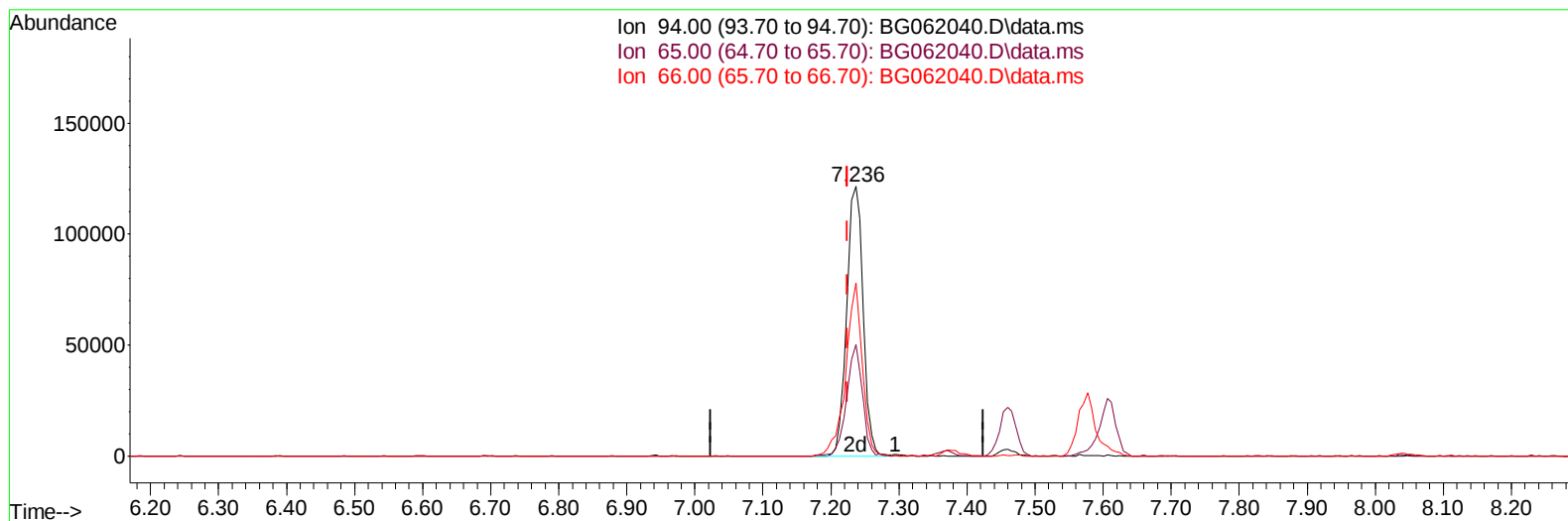
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
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 Acq On : 12 Jul 2024 12:43
 Operator : MA/JU
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 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD6MSD

Manual IntegrationsAPPROVED

Quant Time: Jul 12 13:36:27 2024
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 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
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Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024



TIC: BG062040.D\data.ms

(8) Phenol

7.236min (+ 0.012) 37.29 ng/ul m

response 203800

Ion	Exp%	Act%
94.00	100.00	100.00
65.00	36.20	41.47
66.00	46.80	64.21#
0.00	0.00	0.00

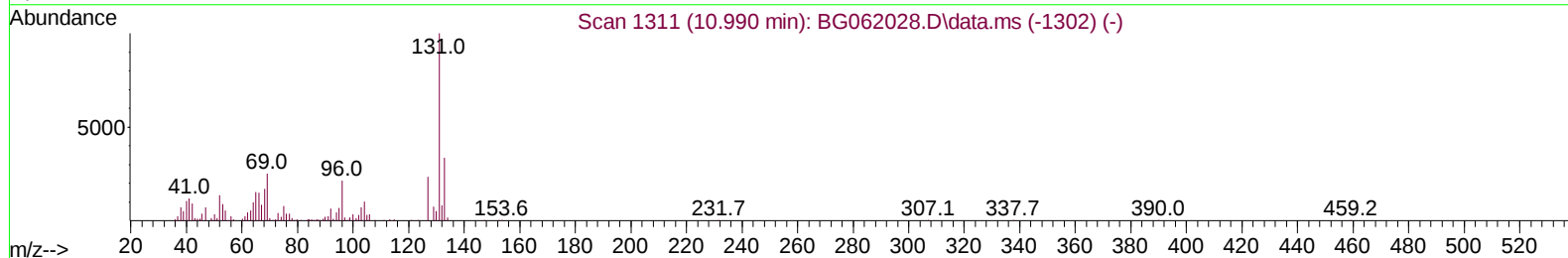
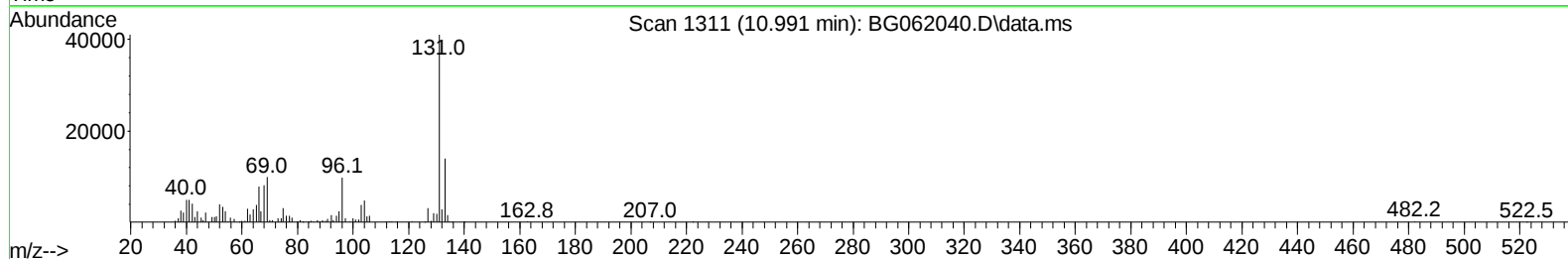
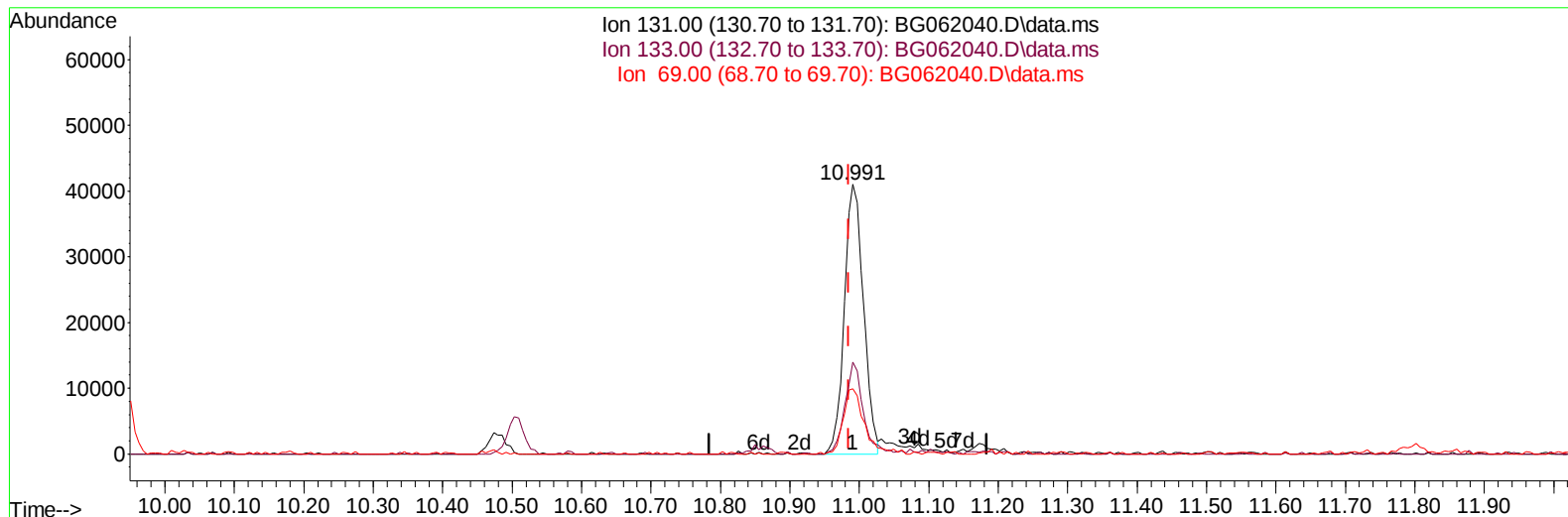
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062040.D
Acq On : 12 Jul 2024 12:43
Operator : MA/JU
Sample : P3101-04MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD6MSD

Manual IntegrationsAPPROVED

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Quant Title : SVOA CALIBRATION
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TIC: BG062040.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.991min (+ 0.007) 14.97 ng/u1

response 78101

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	34.08
69.00	21.00	24.27
0.00	0.00	0.00

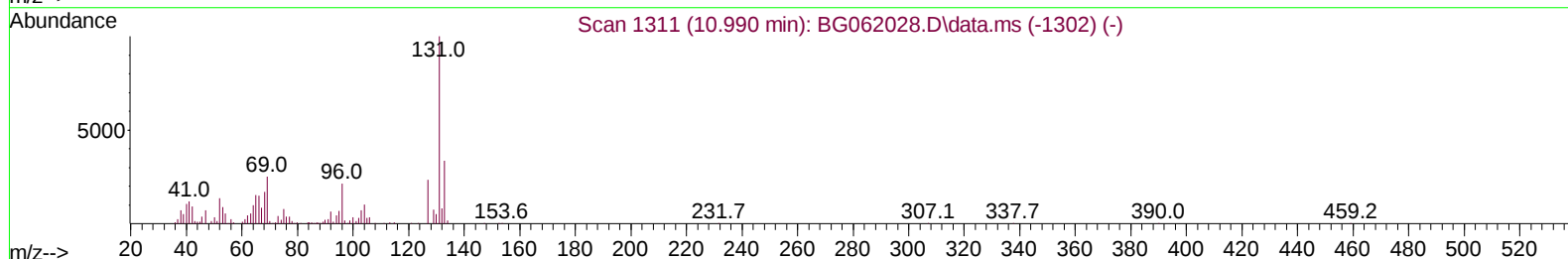
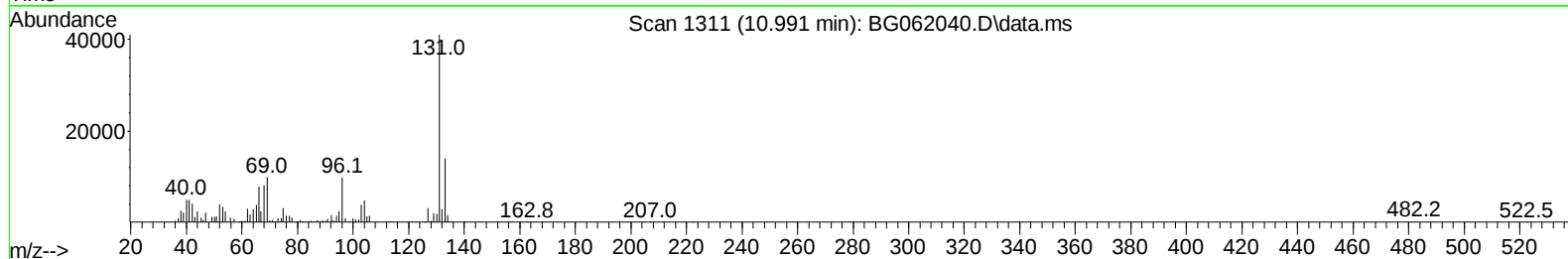
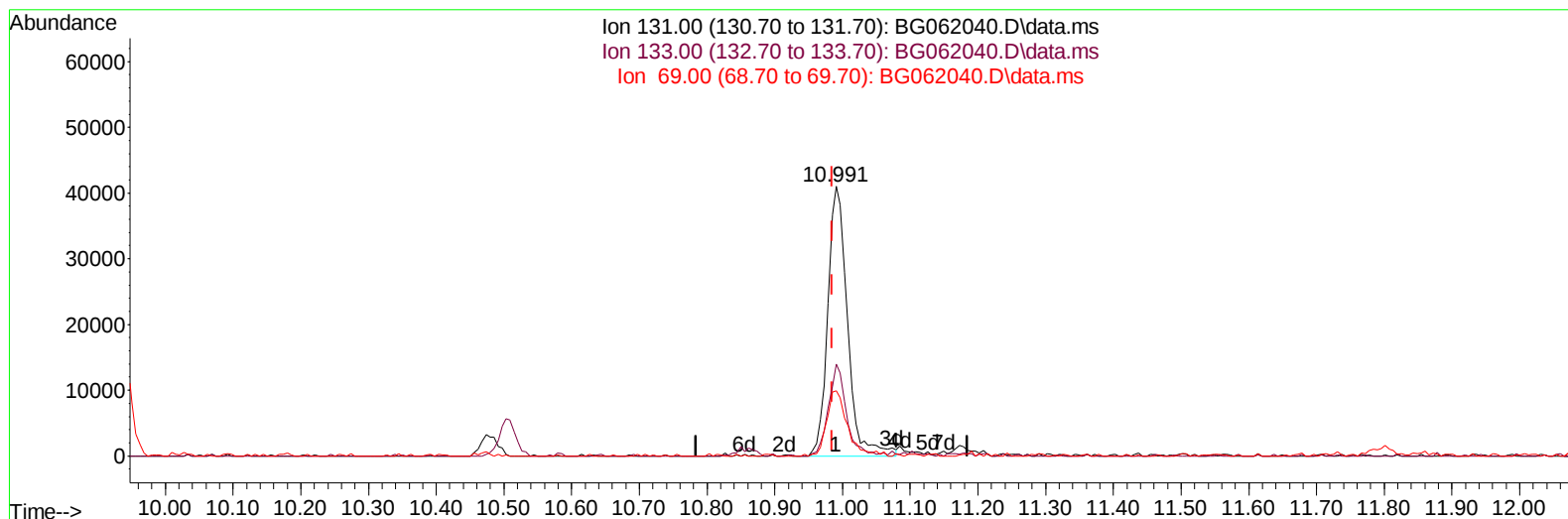
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062040.D
 Acq On : 12 Jul 2024 12:43
 Operator : MA/JU
 Sample : P3101-04MSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD6MSD

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
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Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024



TIC: BG062040.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.991min (+ 0.007) 15.83 ng/ul m

response 82588

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	34.08
69.00	21.00	24.27
0.00	0.00	0.00

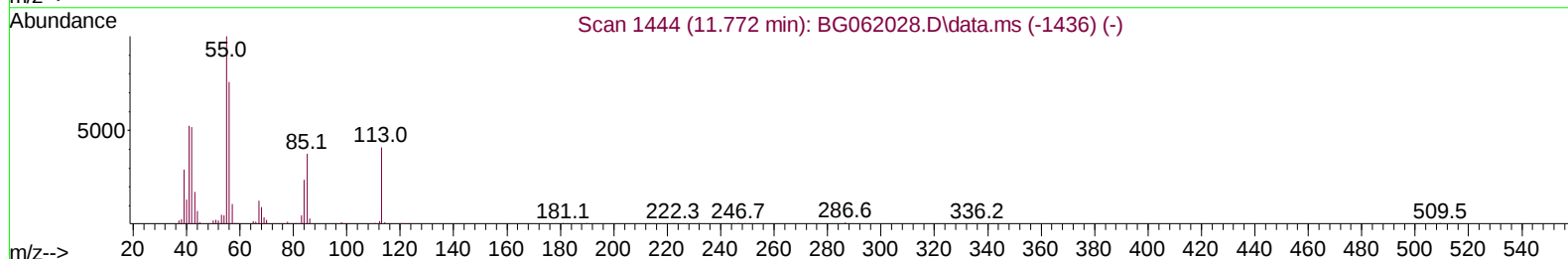
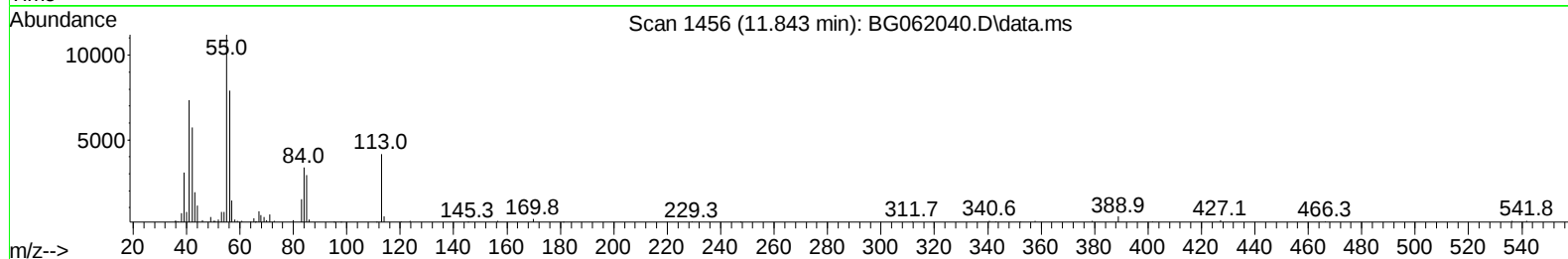
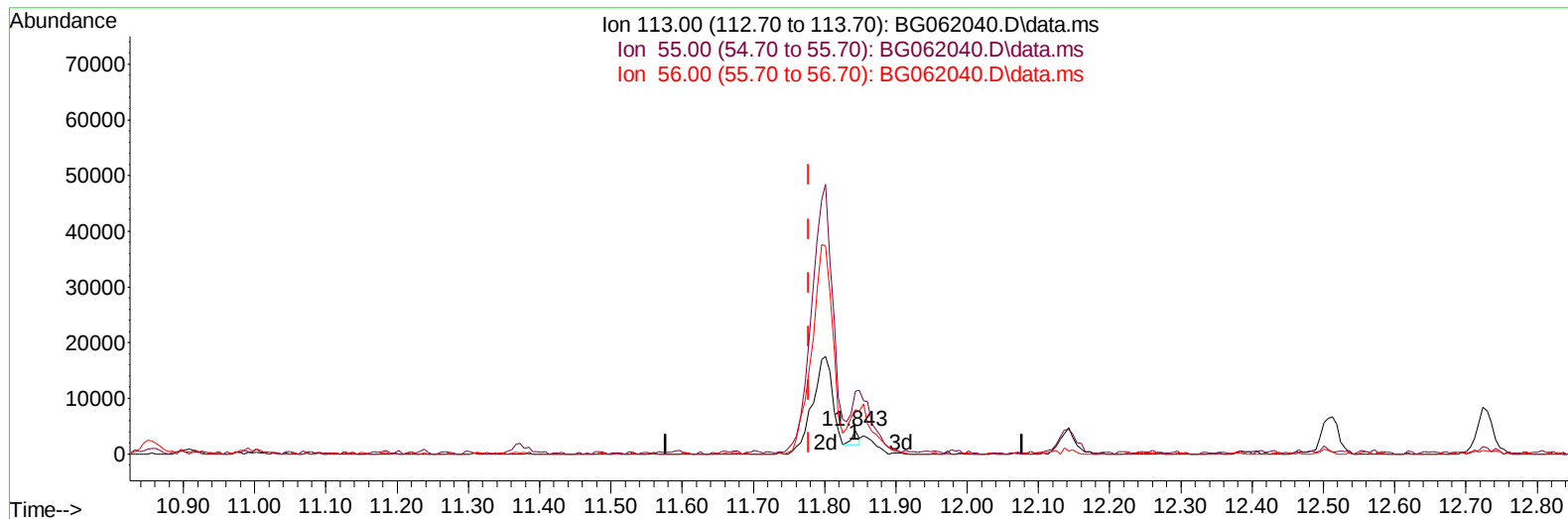
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062040.D
Acq On : 12 Jul 2024 12:43
Operator : MA/JU
Sample : P3101-04MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD6MSD

Manual IntegrationsAPPROVED

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Quant Time: Jul 12 13:36:27 2024
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TIC: BG062040.D\data.ms

(34) Caprolactam

11.843min (+ 0.065) 1.28 ng/ul

response 1692

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	230.70	267.99
56.00	168.80	189.62
0.00	0.00	0.00

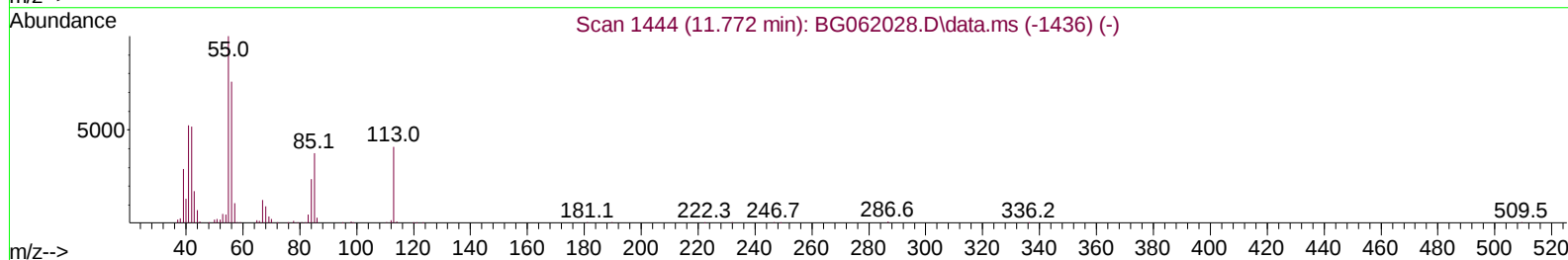
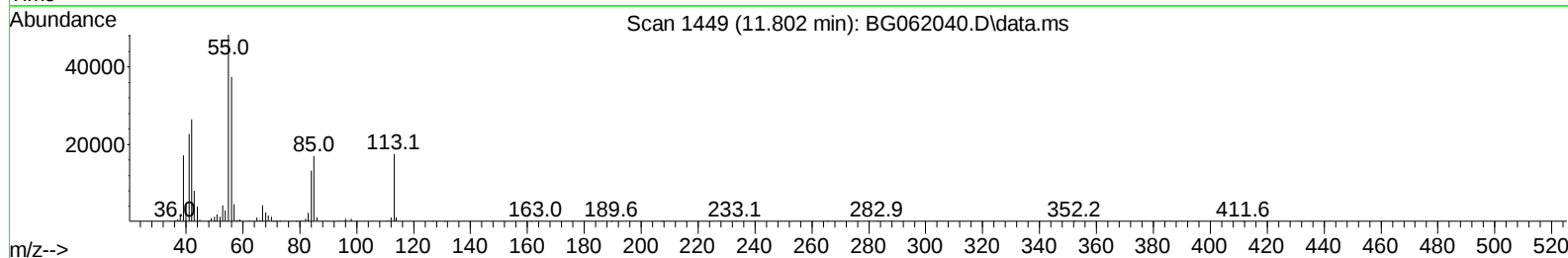
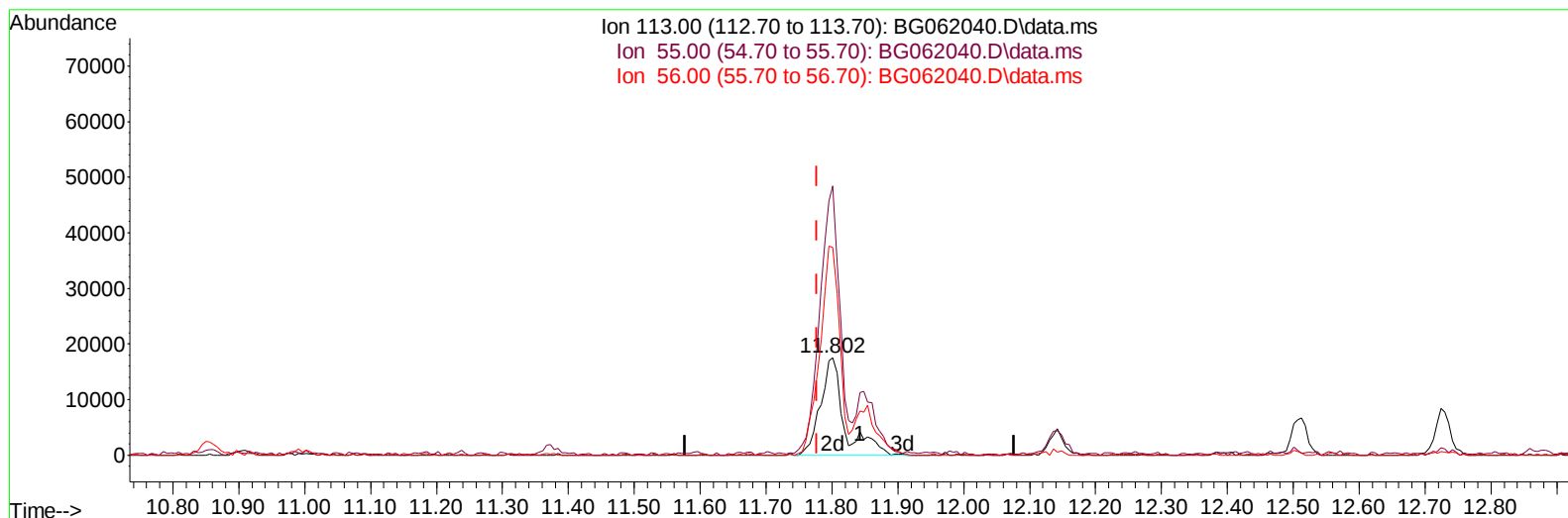
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062040.D
 Acq On : 12 Jul 2024 12:43
 Operator : MA/JU
 Sample : P3101-04MSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD6MSD

Manual IntegrationsAPPROVED

Quant Time: Jul 12 13:36:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
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Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024



TIC: BG062040.D\data.ms

(34) Caprolactam

11.802min (+ 0.024) 33.03 ng/ul m

response 43685

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	230.70	275.41
56.00	168.80	212.98#
0.00	0.00	0.00

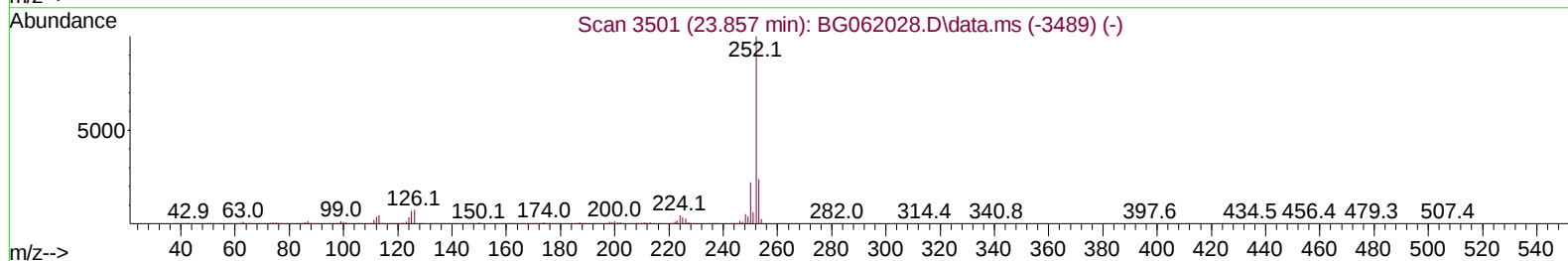
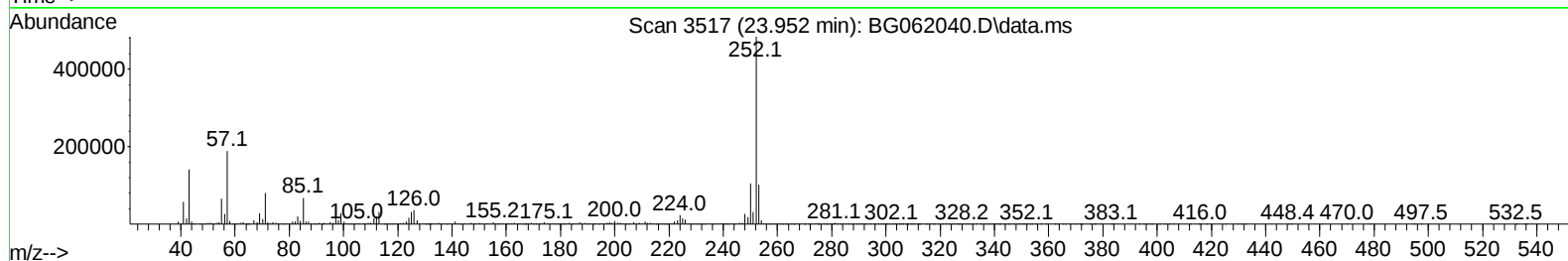
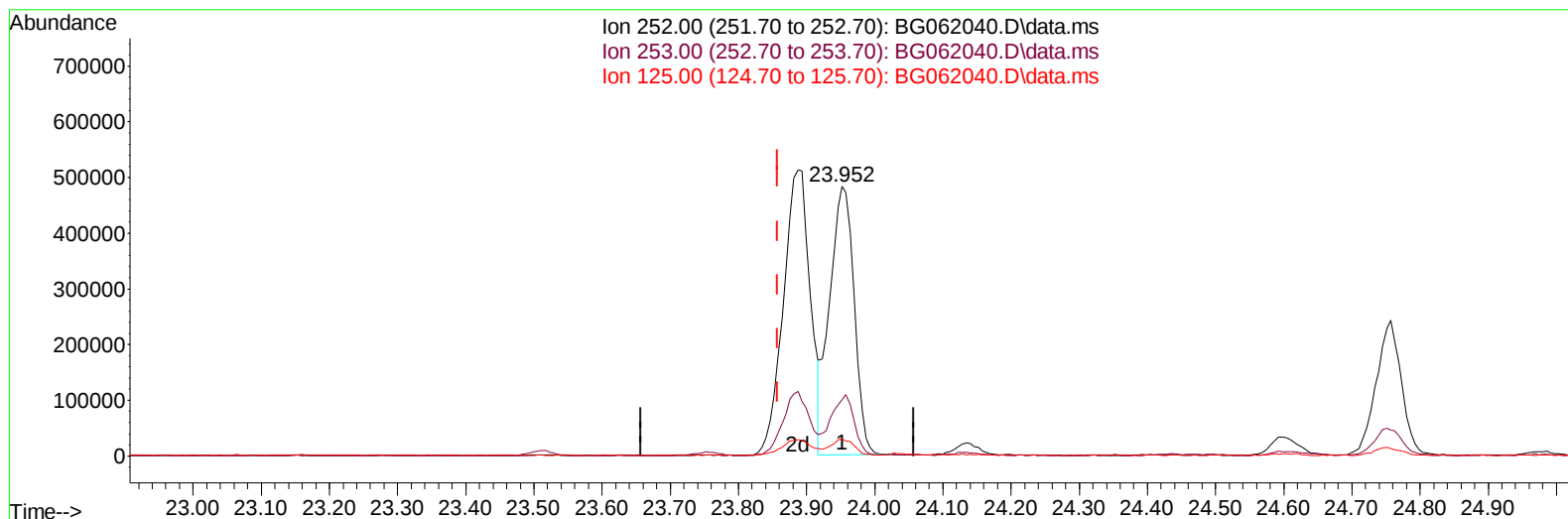
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062040.D
Acq On : 12 Jul 2024 12:43
Operator : MA/JU
Sample : P3101-04MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD6MSD

Manual IntegrationsAPPROVED

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Response via : Initial Calibration



TIC: BG062040.D\data.ms

(90) Benzo(b)fluoranthene

23.952min (+ 0.095) 54.67 ng/u1

response 1202064

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	20.91
125.00	7.60	6.38
0.00	0.00	0.00

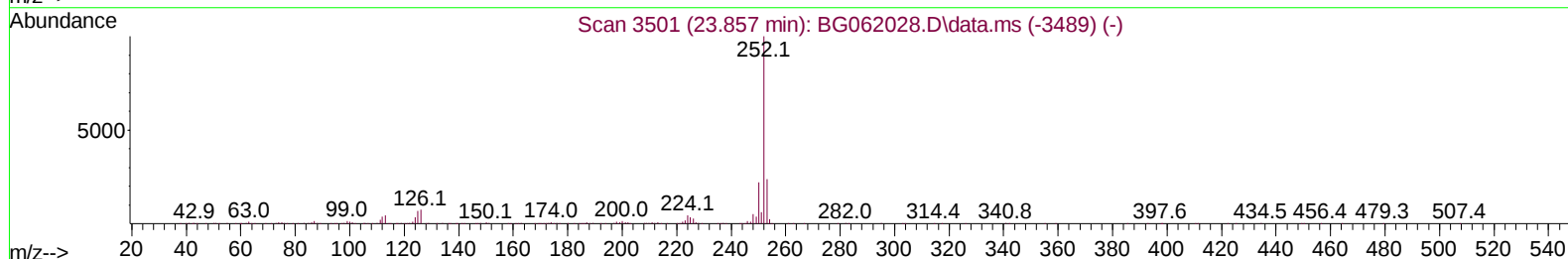
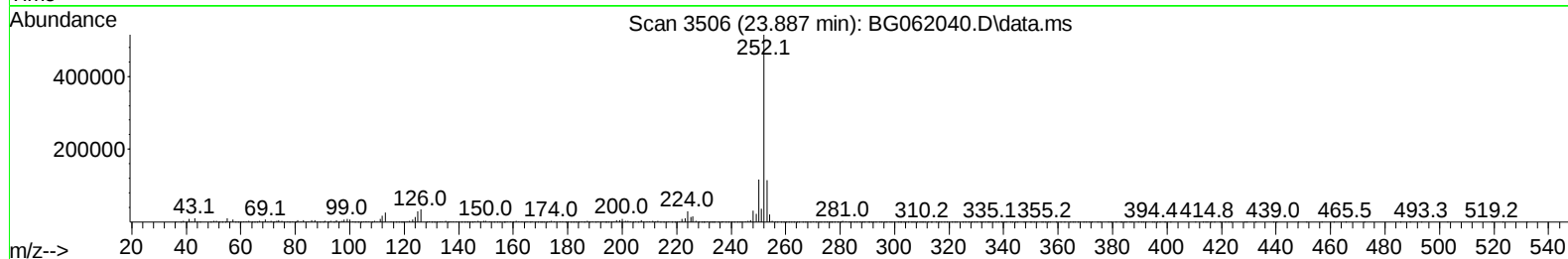
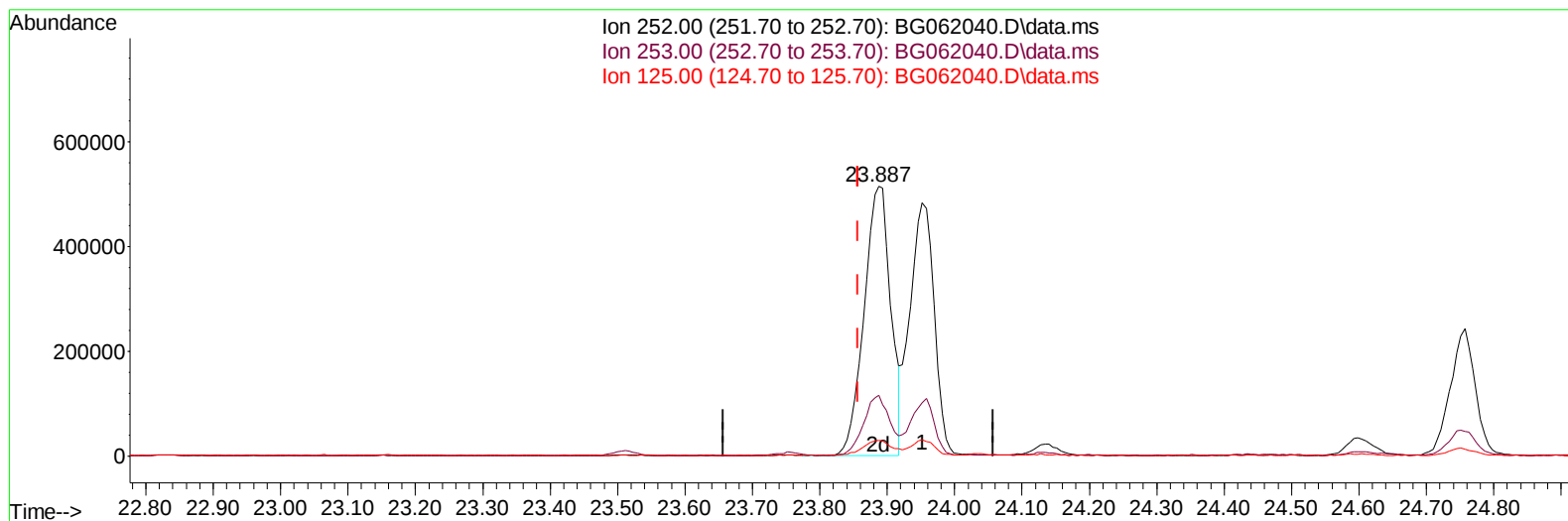
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062040.D
Acq On : 12 Jul 2024 12:43
Operator : MA/JU
Sample : P3101-04MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD6MSD

Manual IntegrationsAPPROVED

Quant Time: Jul 12 13:36:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
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Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062040.D\data.ms

(90) Benzo(b)fluoranthene

23.887min (+ 0.030) 64.41 ng/ul m

response 1416152

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.50	22.53
125.00	7.60	5.71#
0.00	0.00	0.00

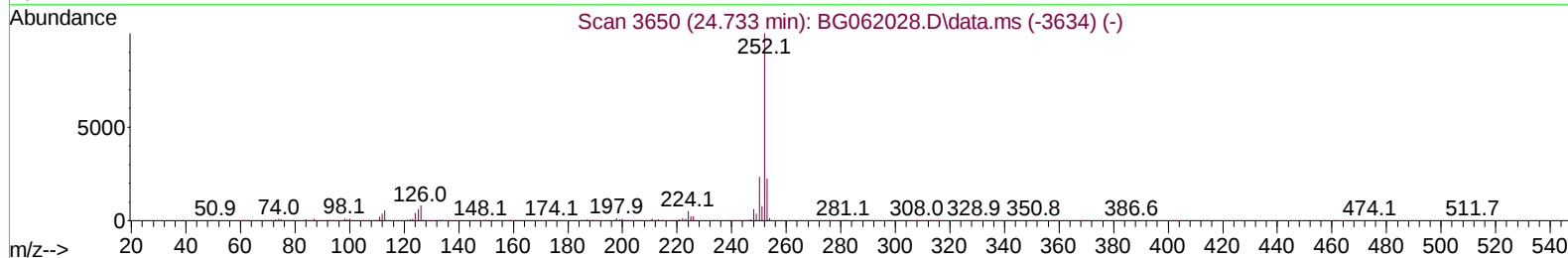
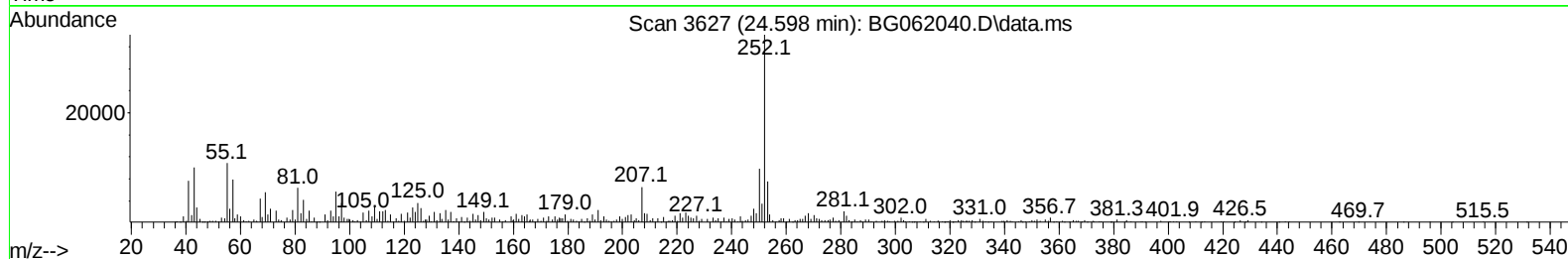
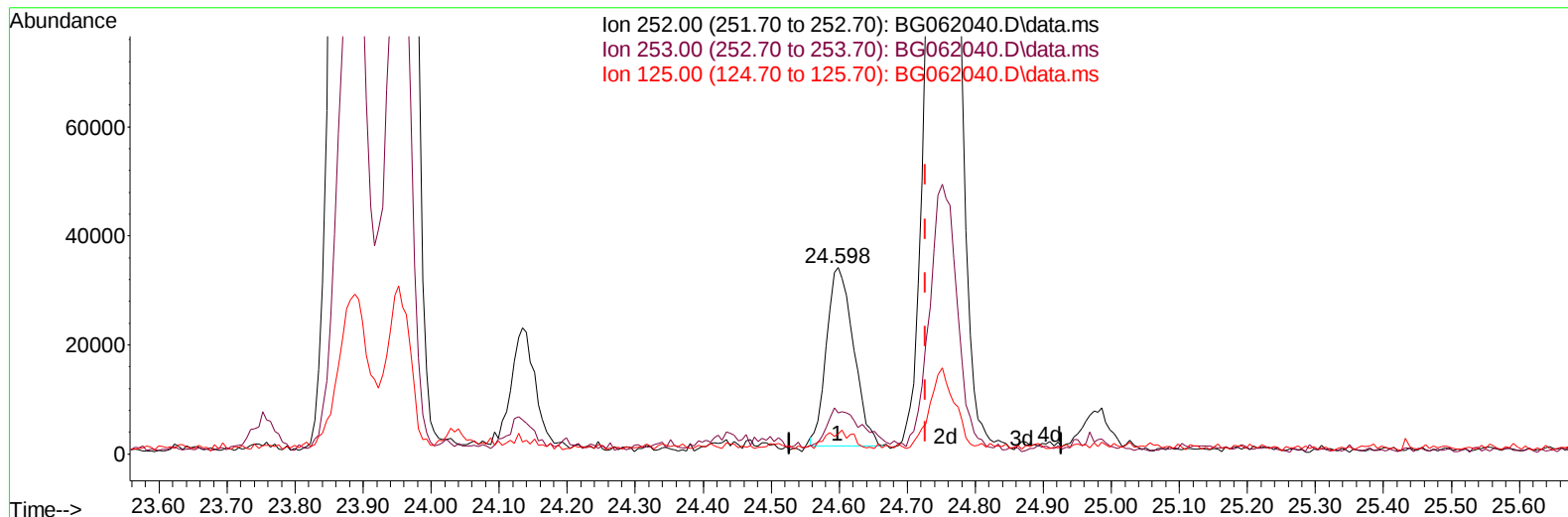
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062040.D
Acq On : 12 Jul 2024 12:43
Operator : MA/JU
Sample : P3101-04MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD6MSD

Manual IntegrationsAPPROVED

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TIC: BG062040.D\data.ms

(93) Benzo(a)pyrene (C)

24.598min (-0.129) 4.31 ng/u1

response 89736

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	22.04
125.00	9.30	10.74
0.00	0.00	0.00

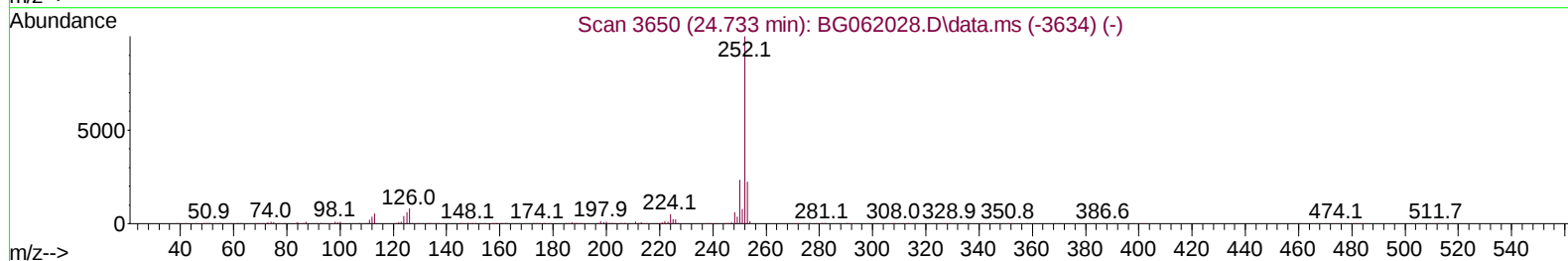
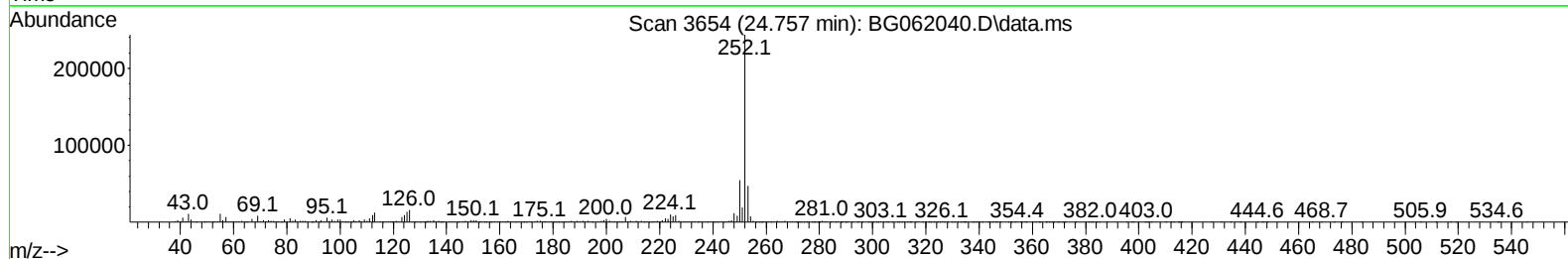
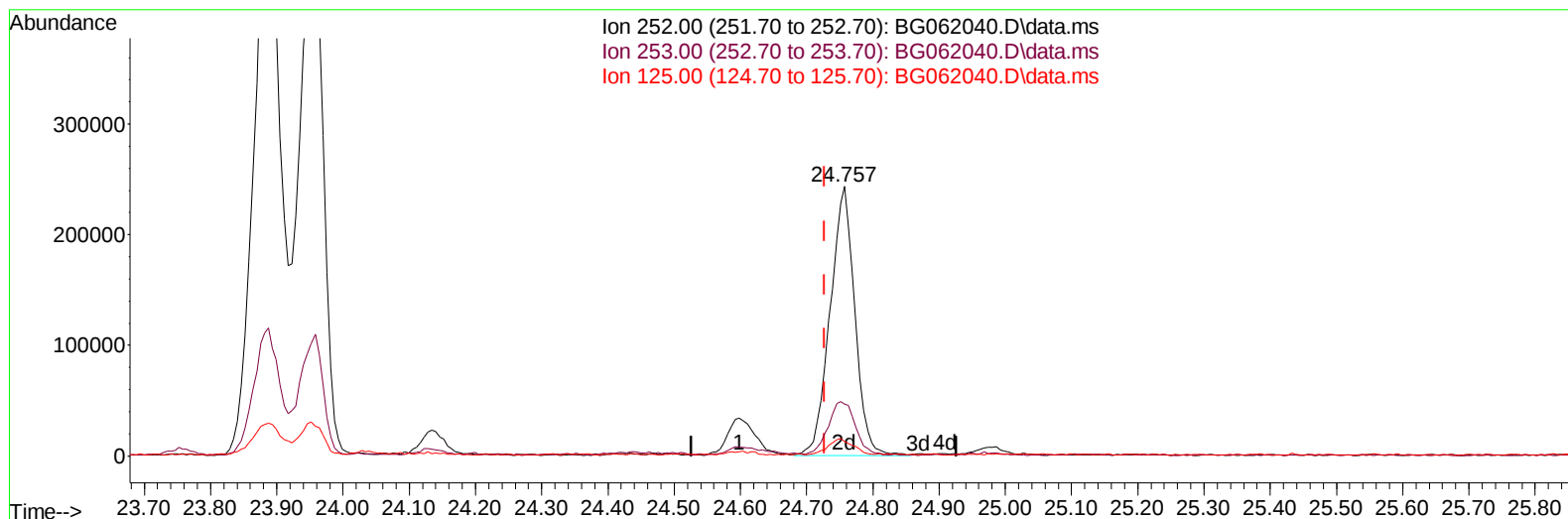
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062040.D
Acq On : 12 Jul 2024 12:43
Operator : MA/JU
Sample : P3101-04MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD6MSD

Manual IntegrationsAPPROVED

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TIC: BG062040.D\data.ms

(93) Benzo(a)pyrene (C)

24.757min (+ 0.030) 30.37 ng/ul m

response 632214

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	19.22
125.00	9.30	5.40#
0.00	0.00	0.00

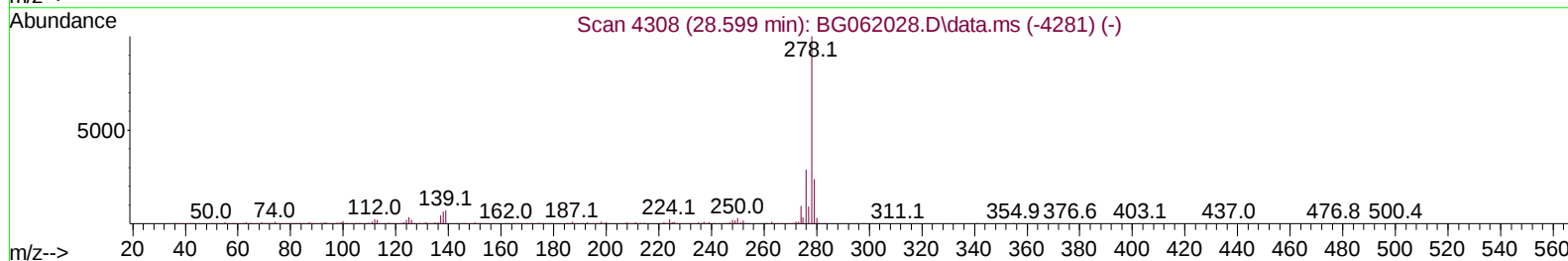
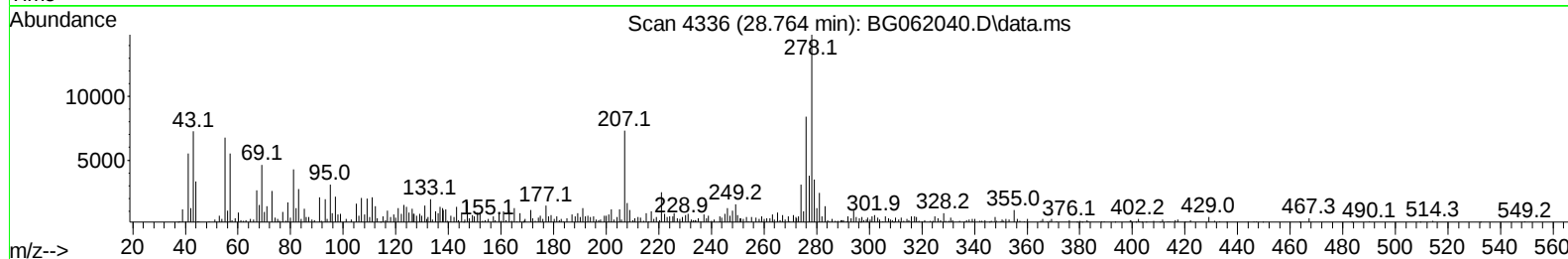
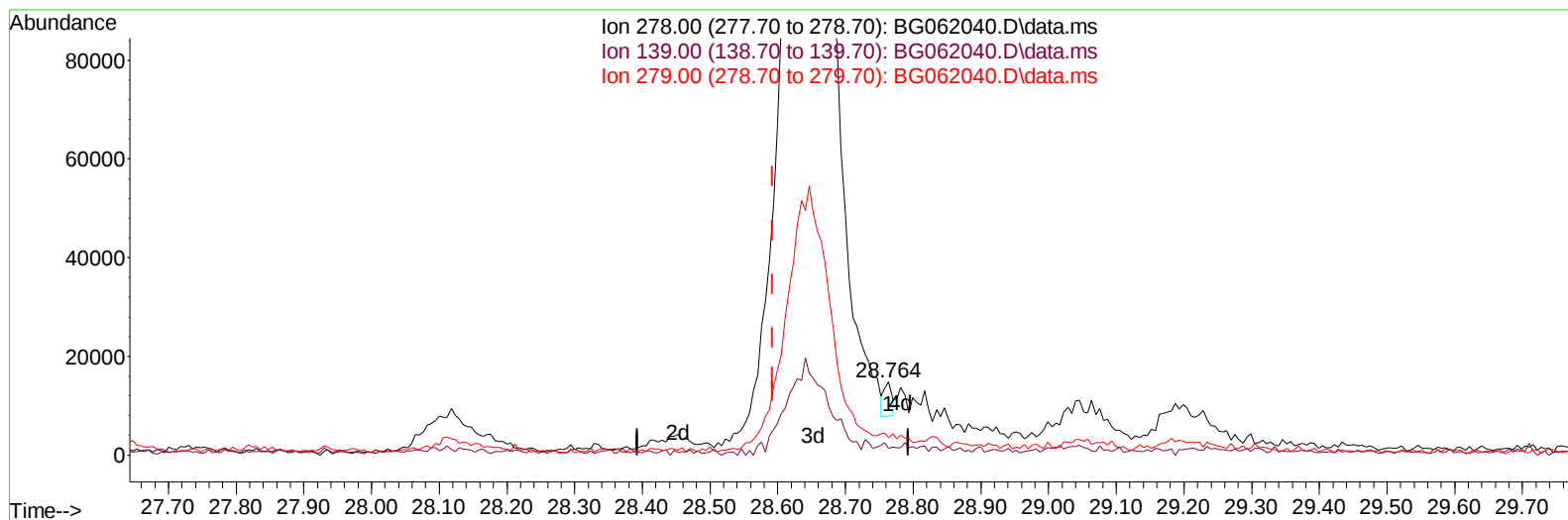
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
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 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BG062040.D\data.ms

(95) Dibenzo(a,h)anthracene

28.764min (+ 0.171) 0.25 ng/ul

response 5549

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	9.44
279.00	23.50	23.50
0.00	0.00	0.00

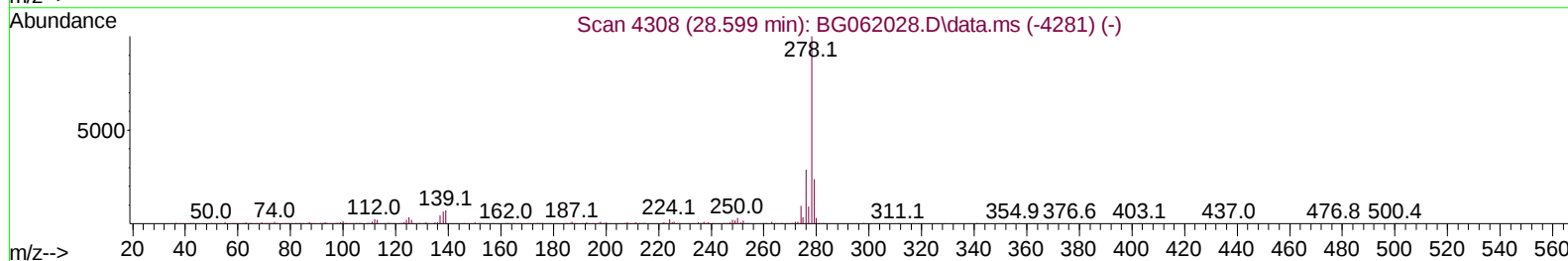
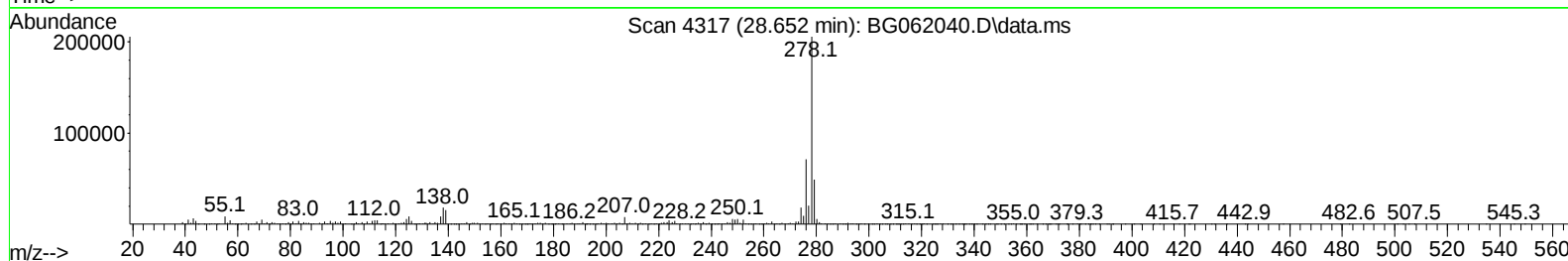
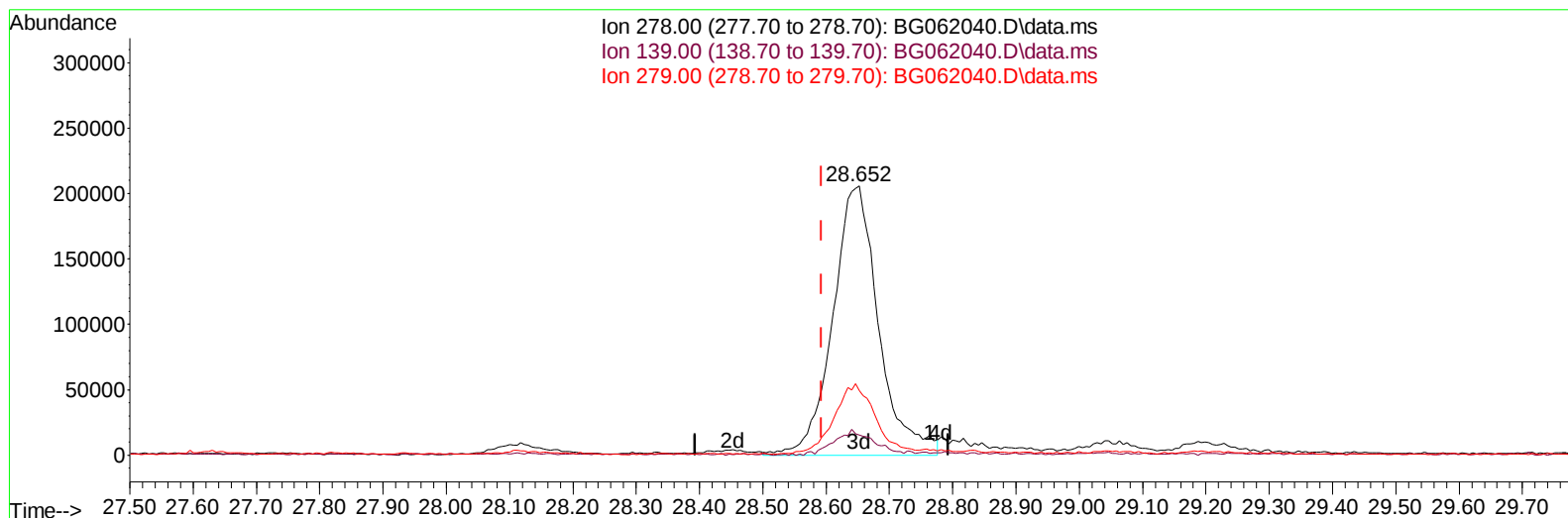
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062040.D
Acq On : 12 Jul 2024 12:43
Operator : MA/JU
Sample : P3101-04MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/15/2024



TIC: BG062040.D\data.ms

(95) Dibenzo(a,h)anthracene

28.652min (+ 0.059) 47.05 ng/ul m

response 1033968

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	7.57#
279.00	23.50	23.93
0.00	0.00	0.00

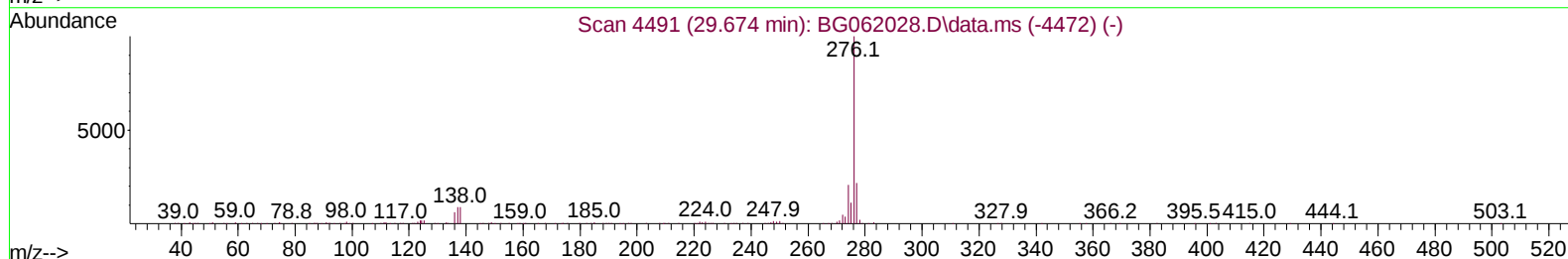
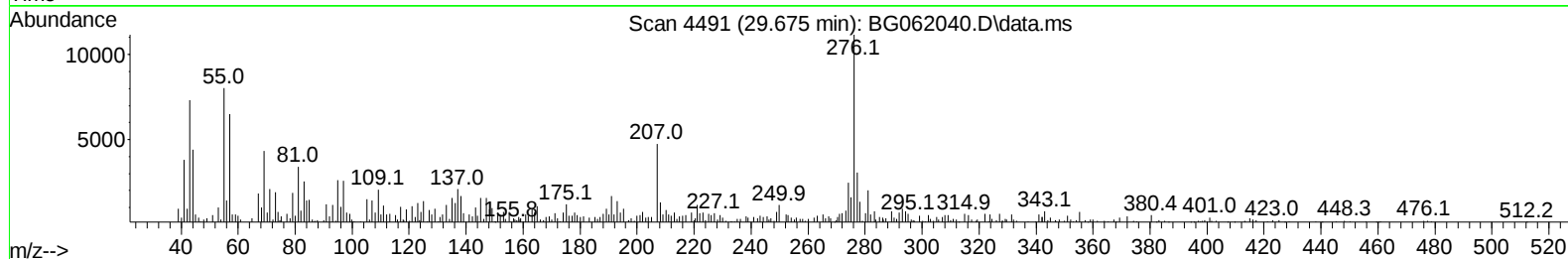
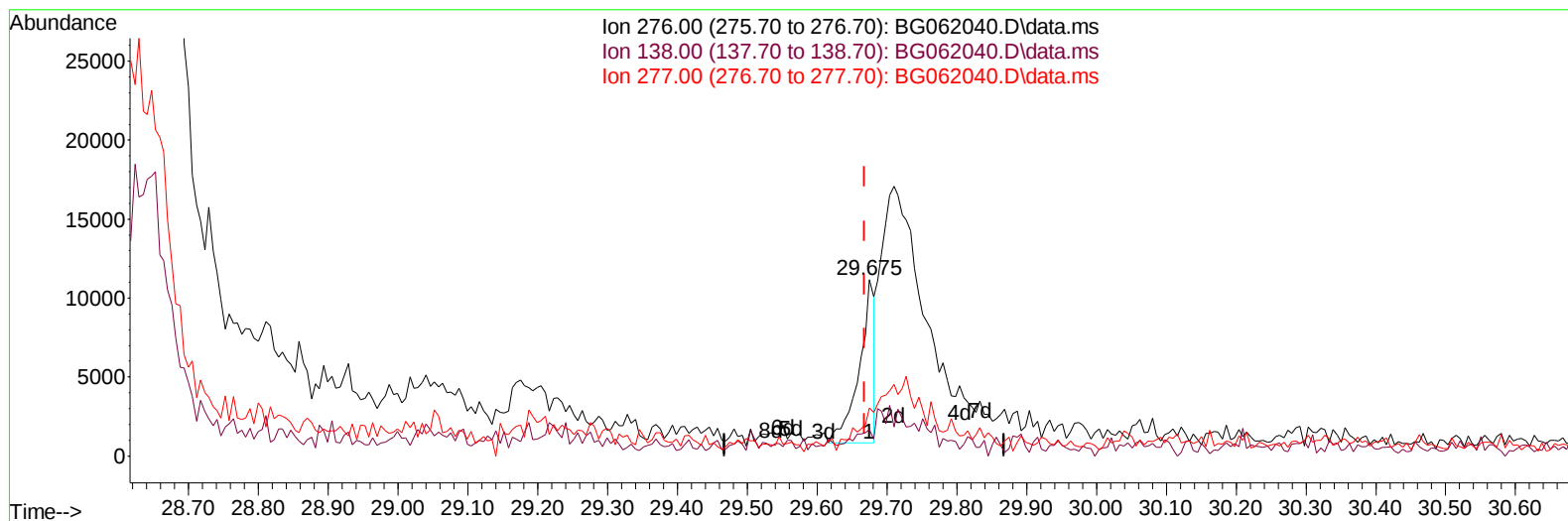
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD6MSD

Manual IntegrationsAPPROVED

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TIC: BG062040.D\data.ms

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

29.675min (+ 0.007) 0.74 ng/u1

response 15648

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.90	15.11
277.00	23.50	27.29
0.00	0.00	0.00

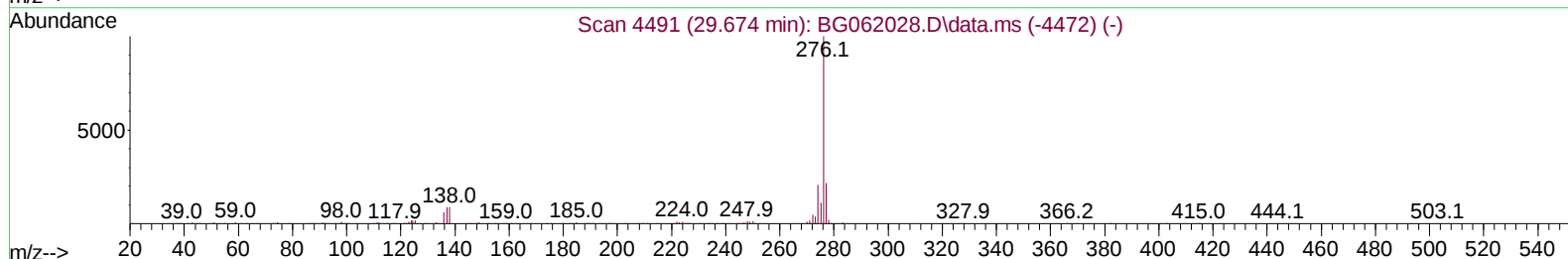
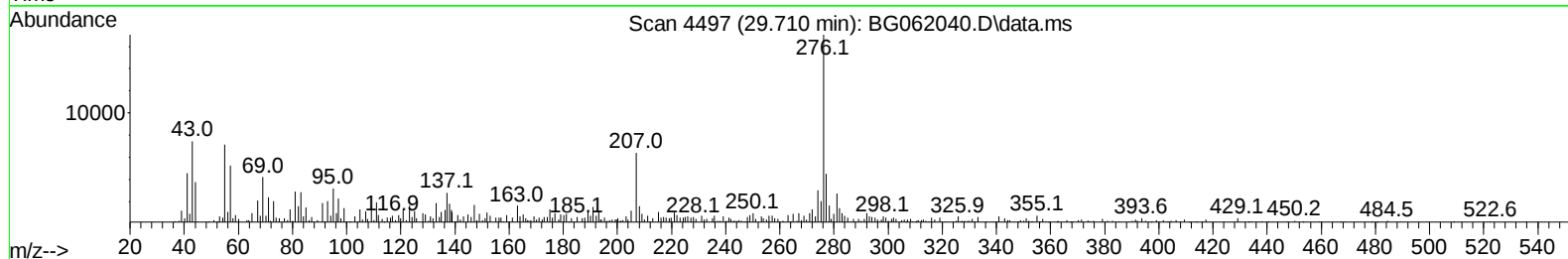
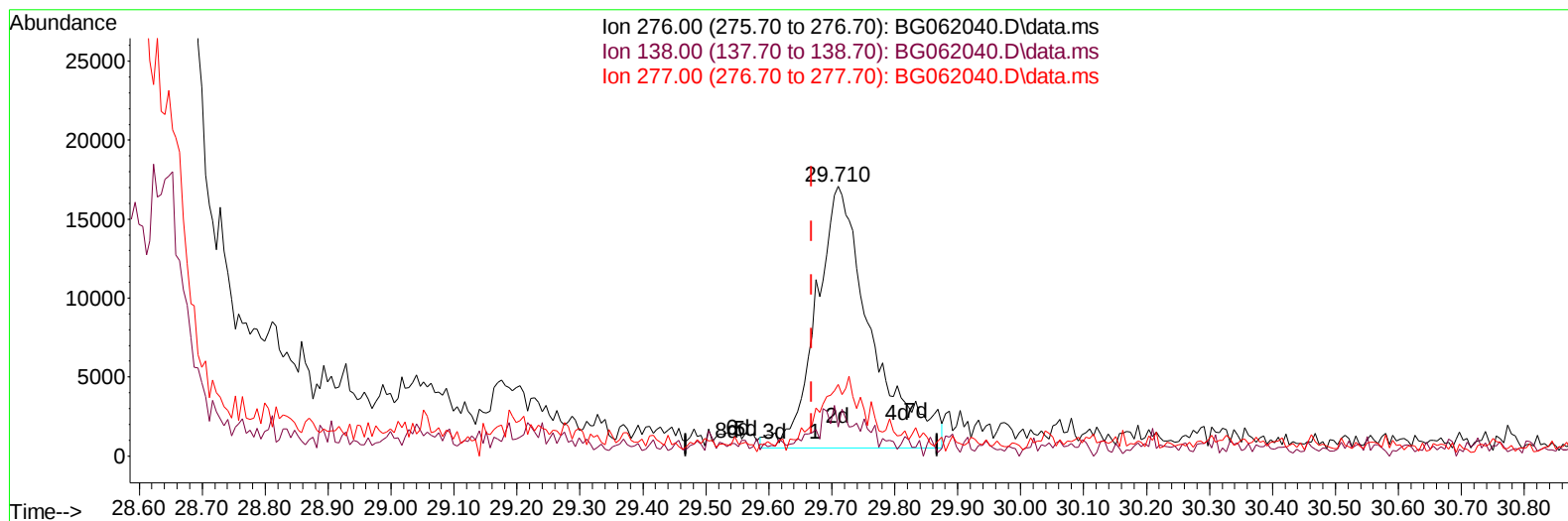
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062040.D
Acq On : 12 Jul 2024 12:43
Operator : MA/JU
Sample : P3101-04MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CD6MSD

Manual IntegrationsAPPROVED

Quant Time: Jul 12 13:36:27 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 :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062040.D\data.ms

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

29.710min (+ 0.042) 4.73 ng/ul m

response 100099

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.90	10.79#
277.00	23.50	26.53
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062040.D
 Acq On : 12 Jul 2024 12:43
 Operator : MA/JU
 Sample : P3101-04MSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD6MSD

Manual IntegrationsAPPROVED

Quant Time: Jul 12 13:39:53 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 :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.041	152	48781	20.000	ng/ul	0.00
20) Naphthalene-d8	10.856	136	214503	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.675	164	145241	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.424	188	320361	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.690	240	283393	20.000	ng/ul	0.01
88) Perylene-d12	24.898	264	348974	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.441	96	5121	3.945	ng/uL	0.00
4) Pyridine-d5	3.864	84	45028	11.281	ng/ul	0.00
7) Phenol-d5	7.207	99	161926	30.332	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.371	67	89039	26.338	ng/ul	0.01
11) 2-Chlorophenol-d4	7.571	132	115062	31.422	ng/ul	0.00
15) 4-Methylphenol-d8	8.758	113	126324	30.054	ng/ul	0.01
21) Nitrobenzene-d5	9.216	128	59671	36.577	ng/ul	0.00
24) 2-Nitrophenol-d4	9.933	143	70244	37.705	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.480	165	145763	40.564	ng/ul	0.01
31) 4-Chloroaniline-d4	10.991	131	82588m	15.831	ng/ul	0.00
46) Dimethylphthalate-d6	14.075	166	442802	37.083	ng/ul	0.00
49) Acenaphthylene-d8	14.375	160	486063	38.929	ng/ul	0.00
54) 4-Nitrophenol-d4	14.892	143	73640	38.618	ng/ul	0.02
60) Fluorene-d10	15.668	176	385945	38.394	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.791	200	58736	34.910	ng/ul	0.01
73) Anthracene-d10	17.518	188	588066	39.317	ng/ul	0.00
81) Pyrene-d10	19.804	212	578301	34.693	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.681	264	457508	26.434	ng/ul	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.482	88	15333	10.702	ng/ul#	94
5) Pyridine	3.881	79	71567	17.483	ng/ul	95
6) Benzaldehyde	7.178	77	65371	23.137	ng/ul	89
8) Phenol	7.236	94	203800m	37.288	ng/ul	
10) Bis(2-Chloroethyl)ether	7.460	93	127188	30.292	ng/ul	98
12) 2-Chlorophenol	7.606	128	143799	38.545	ng/ul	89
13) 2-Methylphenol	8.494	108	149594	38.347	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.558	45	288640	31.466	ng/ul	97
16) Acetophenone	8.870	105	241051	34.719	ng/ul	90
17) N-Nitroso-di-n-propyla...	8.852	70	127526	32.808	ng/ul	90
18) 4-Methylphenol	8.823	108	165250	37.826	ng/ul	98
19) Hexachloroethane	9.122	117	45332	28.011	ng/ul#	82
22) Nitrobenzene	9.257	77	189419	40.904	ng/ul	98
23) Isophorone	9.775	82	392977	37.563	ng/ul#	95
25) 2-Nitrophenol	9.968	139	82701	43.529	ng/ul	89
26) 2,4-Dimethylphenol	10.021	107	157029	34.535	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.256	93	198267	34.414	ng/ul	97
29) 2,4-Dichlorophenol	10.509	162	152054	45.047	ng/ul	96
30) Naphthalene	10.908	128	483686	41.051	ng/ul	97
32) 4-Chloroaniline	11.014	127	87858	17.163	ng/ul	94
33) Hexachlorobutadiene	11.179	225	121086	47.670	ng/ul	90
34) Caprolactam	11.802	113	43685m	33.033	ng/ul	
35) 4-Chloro-3-methylphenol	12.142	107	198963	44.258	ng/ul	92

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062040.D
 Acq On : 12 Jul 2024 12:43
 Operator : MA/JU
 Sample : P3101-04MSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD6MSD

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024

Quant Time: Jul 12 13:39:53 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.507	142	361613	42.362	ng/ul	98
37) 1-Methylnaphthalene	12.730	142	376987	42.497	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.871	216	209875	48.118	ng/ul	99
40) Hexachlorocyclopentadiene	12.842	237	31117	10.717	ng/ul	93
41) 2,4,6-Trichlorophenol	13.112	196	137020	47.297	ng/ul	100
42) 2,4,5-Trichlorophenol	13.194	196	154477	48.542	ng/ul	93
43) 1,1'-Biphenyl	13.511	154	503260	44.971	ng/ul	98
44) 2-Chloronaphthalene	13.558	162	369732	44.022	ng/ul	93
45) 2-Nitroaniline	13.764	65	171916	51.115	ng/ul	96
47) Dimethylphthalate	14.128	163	495497	43.142	ng/ul	99
48) 2,6-Dinitrotoluene	14.252	165	104990	48.187	ng/ul	96
50) Acenaphthylene	14.404	152	587911	42.902	ng/ul	98
51) 3-Nitroaniline	14.587	138	78264	36.902	ng/ul#	95
52) Acenaphthene	14.739	153	418887	44.268	ng/ul	96
53) 2,4-Dinitrophenol	14.792	184	37759	33.171	ng/ul	95
55) 4-Nitrophenol	14.904	109	123667	56.822	ng/ul	85
56) Dibenzofuran	15.074	168	593804	44.401	ng/ul	91
57) 2,4-Dinitrotoluene	15.039	165	161544	50.557	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	15.303	232	134446	46.786	ng/ul#	98
59) Diethylphthalate	15.485	149	530625	42.873	ng/ul	97
61) Fluorene	15.726	166	503089	44.234	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.709	204	248779	43.547	ng/ul	93
63) 4-Nitroaniline	15.750	138	95117	44.198	ng/ul#	81
66) 4,6-Dinitro-2-methylph...	15.803	198	74056	40.899	ng/ul#	88
67) N-Nitrosodiphenylamine	15.926	169	420151	48.024	ng/ul	99
68) 4-Bromophenyl-phenylether	16.608	248	182659	50.258	ng/ul	98
69) Hexachlorobenzene	16.719	284	164831	39.441	ng/ul	97
70) Atrazine	16.872	200	106501	30.837	ng/ul	99
71) Pentachlorophenol	17.072	266	105918	46.109	ng/ul	96
72) Phenanthrene	17.465	178	1055556	62.489	ng/ul	99
74) Anthracene	17.560	178	822593	47.121	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.476	216	216112	54.315	ng/ul	98
76) Pentachlorobenzene	14.992	250	200369	44.152	ng/ul	100
77) Carbazole	17.830	167	649142	44.185	ng/ul	98
78) Di-n-butylphthalate	18.370	149	884281	46.882	ng/ul	99
80) Fluoranthene	19.475	202	1476222	74.834	ng/ul#	94
82) Pyrene	19.833	202	1158231	56.840	ng/ul#	93
83) Butylbenzylphthalate	20.709	149	389763	45.576	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.578	252	78068	11.579	ng/ul#	96
85) Benzo(a)anthracene	21.666	228	1227259	59.812	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.561	149	648403	52.838	ng/ul	99
87) Chrysene	21.731	228	1201569	62.554	ng/ul	98
89) Di-n-octyl phthalate	22.771	149	986295	46.261	ng/ul	100
90) Benzo(b)fluoranthene	23.887	252	1416152m	64.410	ng/ul	
91) Benzo(k)fluoranthene	23.952	252	1203140	54.875	ng/ul	94
93) Benzo(a)pyrene	24.757	252	632214m	30.366	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.582	276	968637	36.407	ng/ul#	94
95) Dibenzo(a,h)anthracene	28.652	278	1033968m	47.054	ng/ul	
96) Benzo(g,h,i)perylene	29.710	276	100099m	4.729	ng/ul	

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

Instrument :

BNA_G

ClientSampleId :

A4CD6MSD

Manual IntegrationsAPPROVED

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