

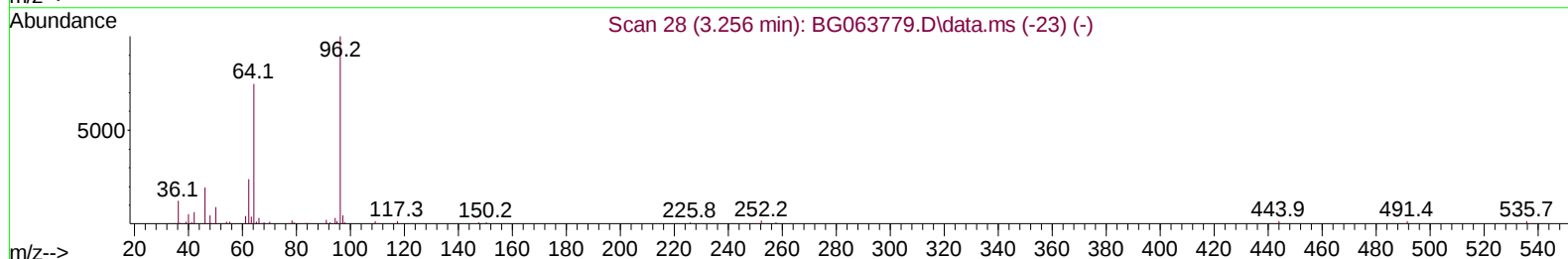
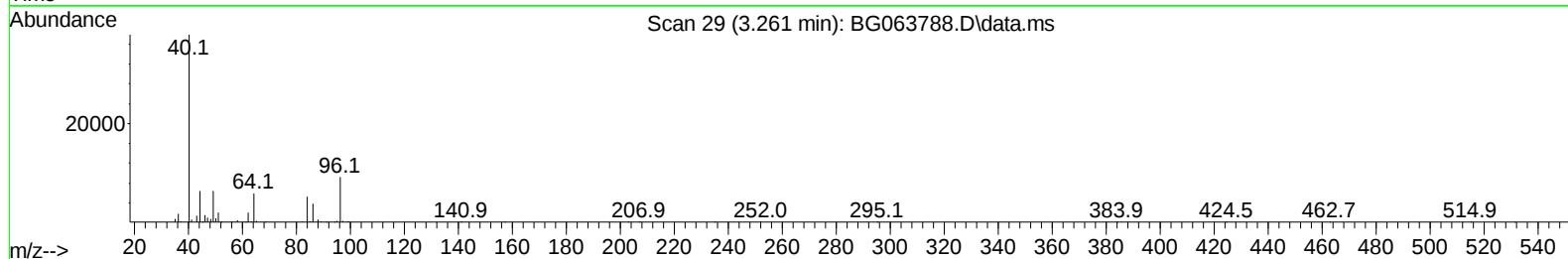
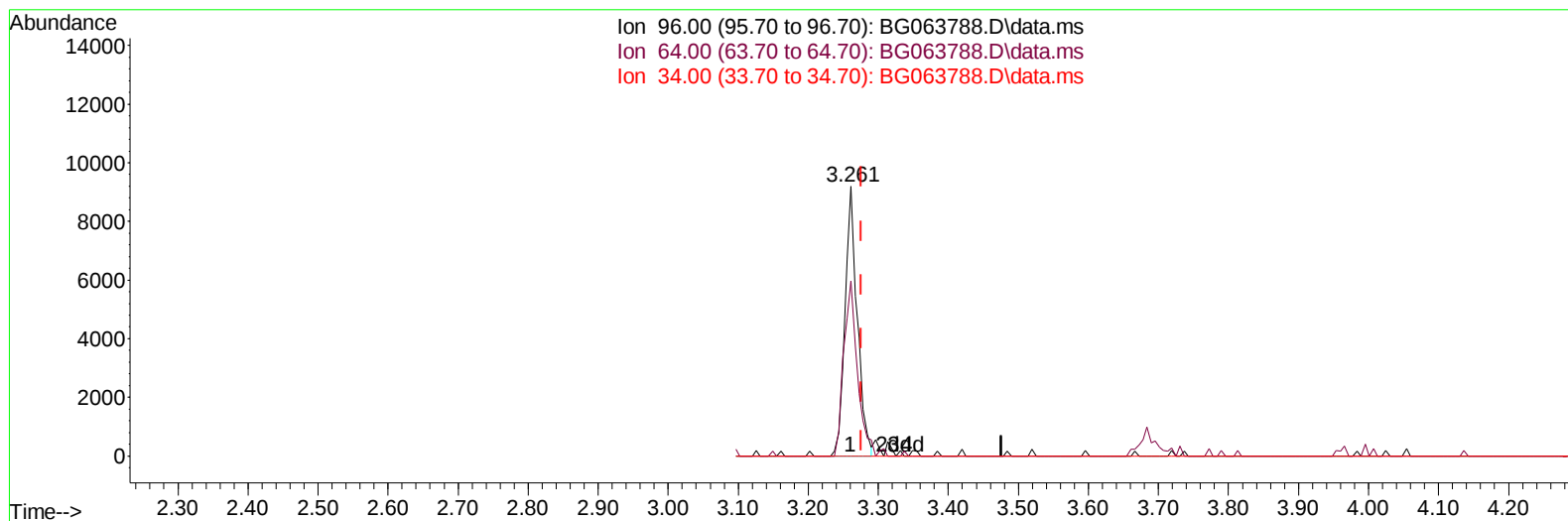
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
Data File : BG063788.D
Acq On : 23 Dec 2024 17:37
Operator : RC/JU
Sample : P5302-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR6MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 23 23:53:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration



TIC: BG063788.D\data.ms

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

3.261min (-0.015) 4.07 ng/uL

response 11243

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	82.80	64.90#
34.00	0.00	0.00
0.00	0.00	0.00

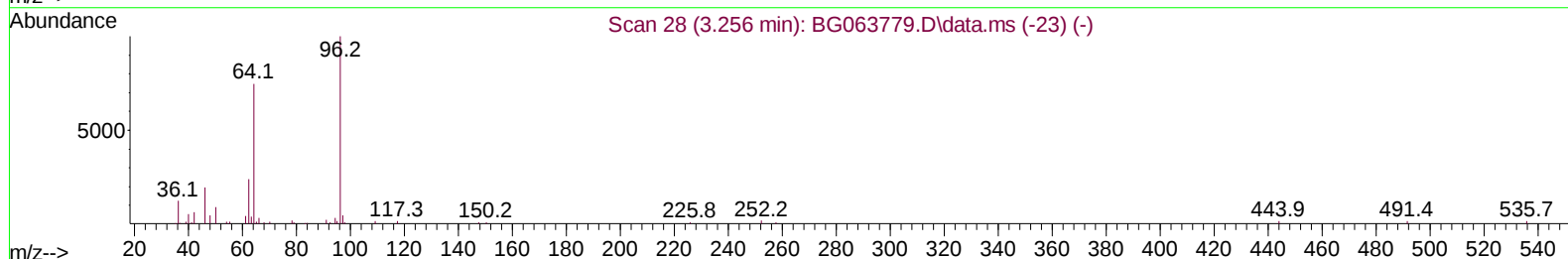
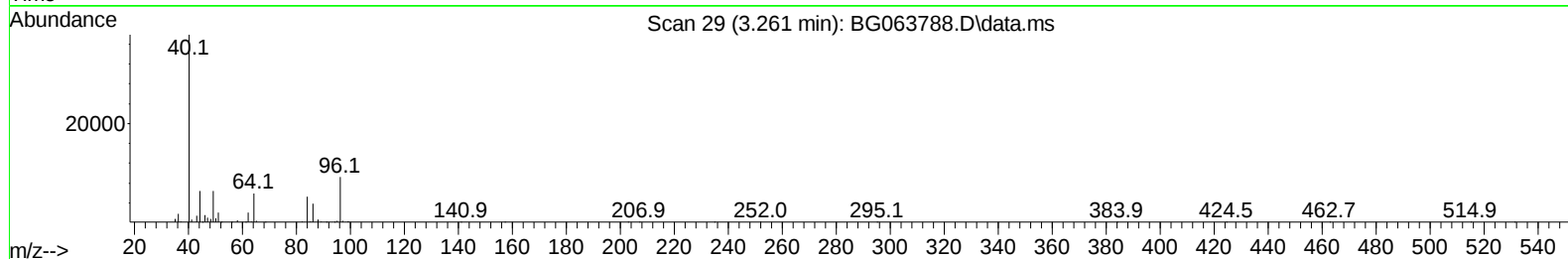
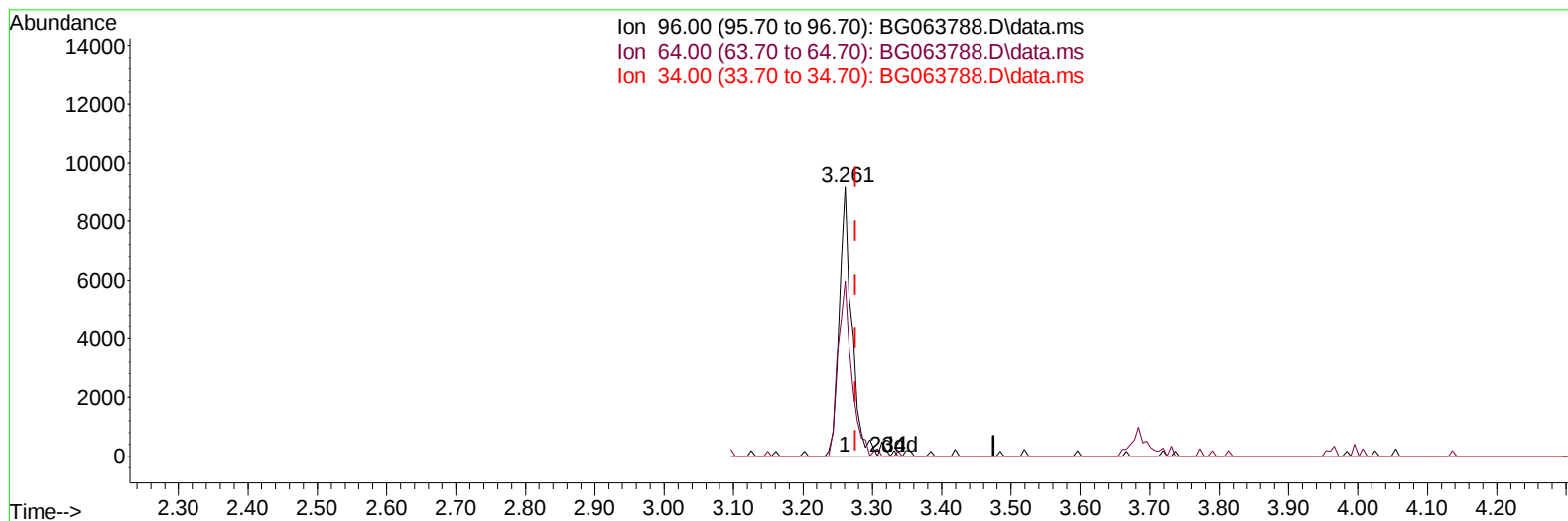
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
Data File : BG063788.D
Acq On : 23 Dec 2024 17:37
Operator : RC/JU
Sample : P5302-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR6MS

Manual IntegrationsAPPROVED

Quant Time: Dec 23 23:53:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BG063788.D\data.ms

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

3.261min (-0.015) 4.17 ng/uL m

response 11524

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	82.80	64.90#
34.00	0.00	0.00
0.00	0.00	0.00

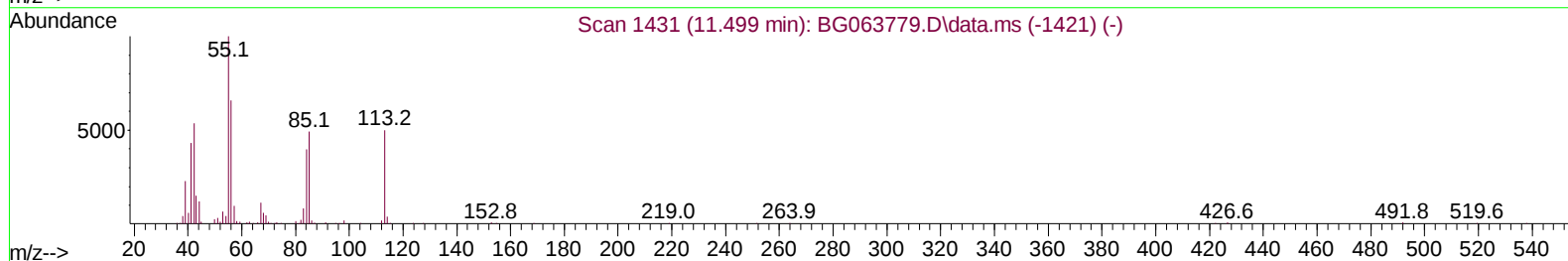
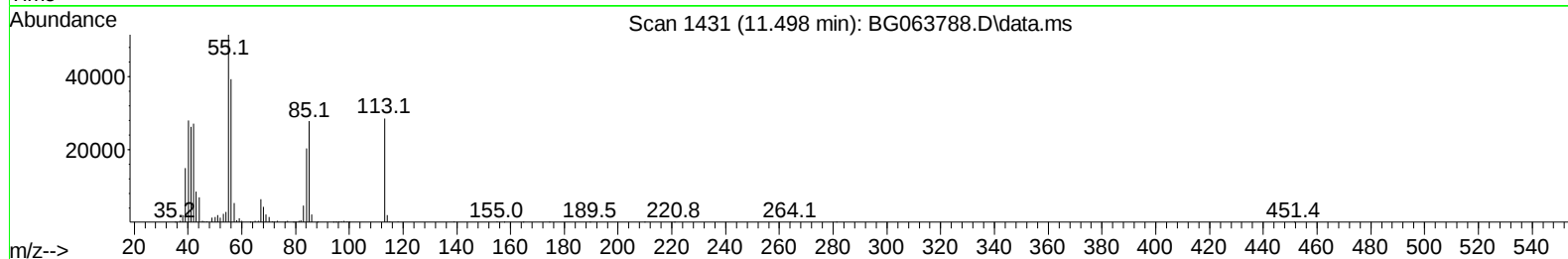
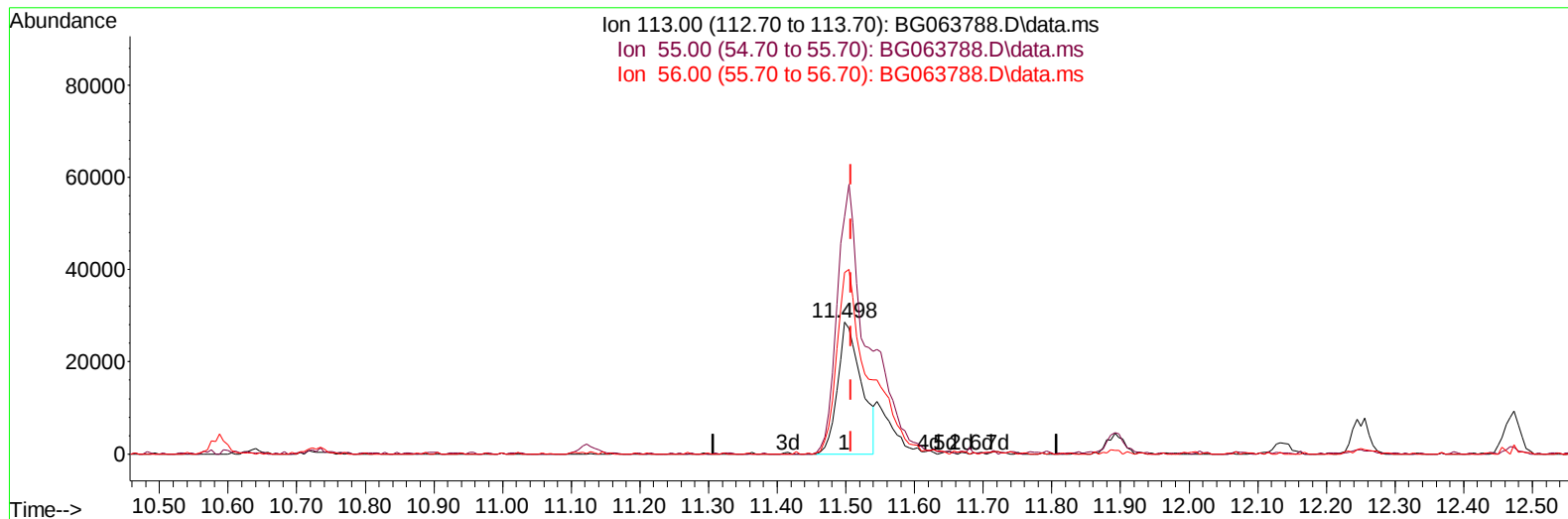
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
Data File : BG063788.D
Acq On : 23 Dec 2024 17:37
Operator : RC/JU
Sample : P5302-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR6MS

Manual IntegrationsAPPROVED

Quant Time: Dec 23 23:53:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BG063788.D\data.ms

(34) Caprolactam

11.498min (-0.009) 29.02 ng/u1

response 68738

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	202.90	179.99
56.00	133.90	137.55
0.00	0.00	0.00

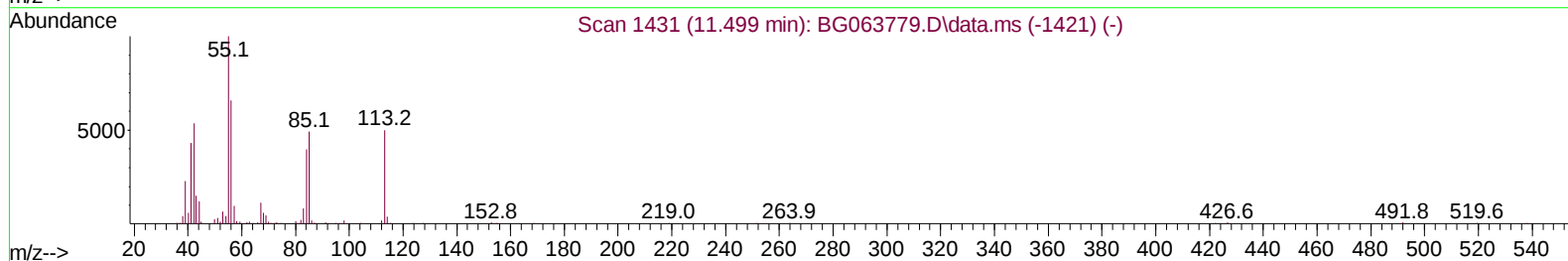
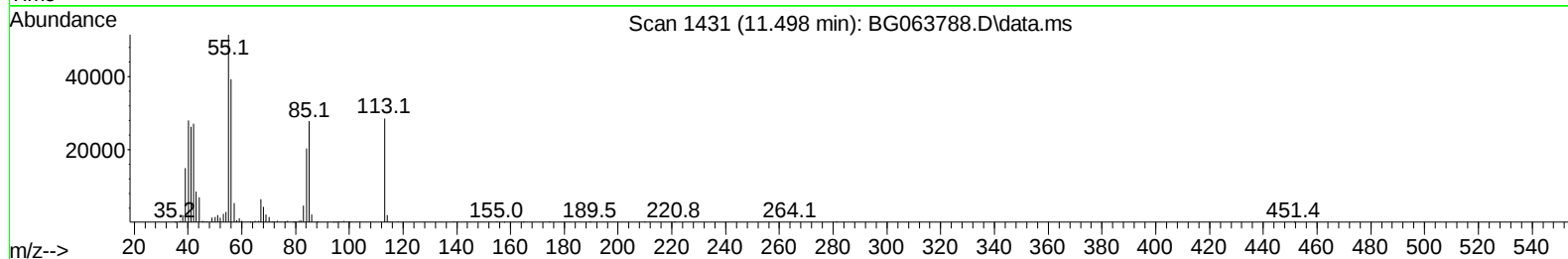
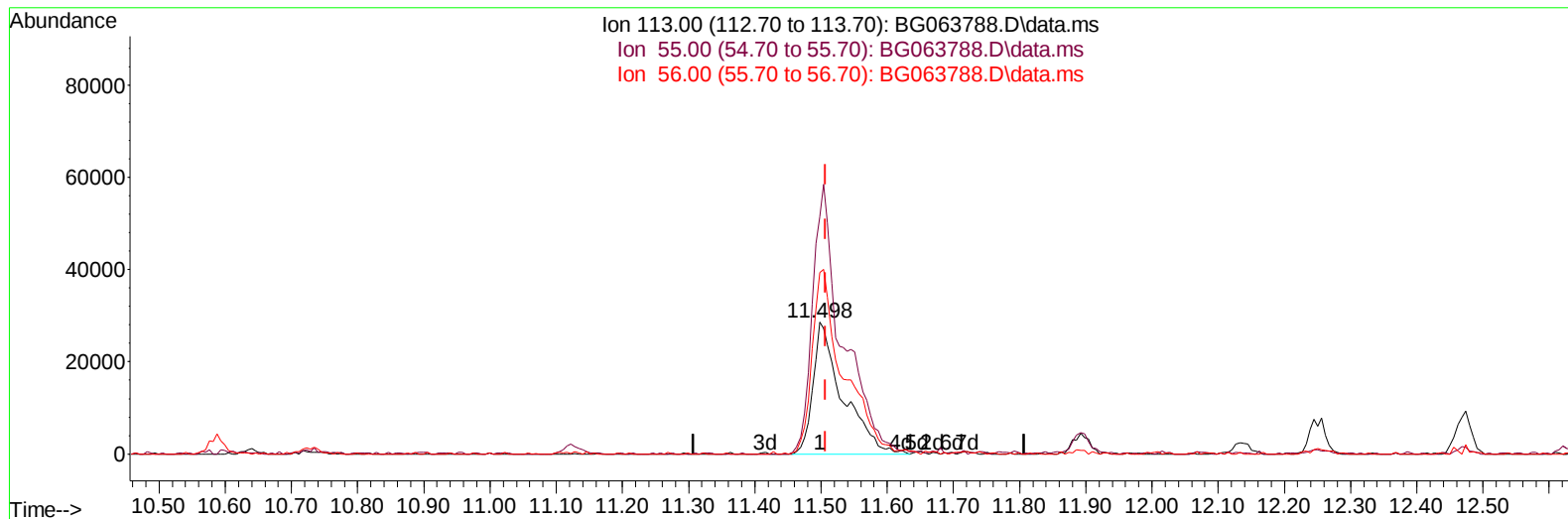
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
Data File : BG063788.D
Acq On : 23 Dec 2024 17:37
Operator : RC/JU
Sample : P5302-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR6MS

Manual IntegrationsAPPROVED

Quant Time: Dec 23 23:53:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BG063788.D\data.ms

(34) Caprolactam

11.498min (-0.009) 37.61 ng/ul m

response 89092

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	202.90	179.99
56.00	133.90	137.55
0.00	0.00	0.00

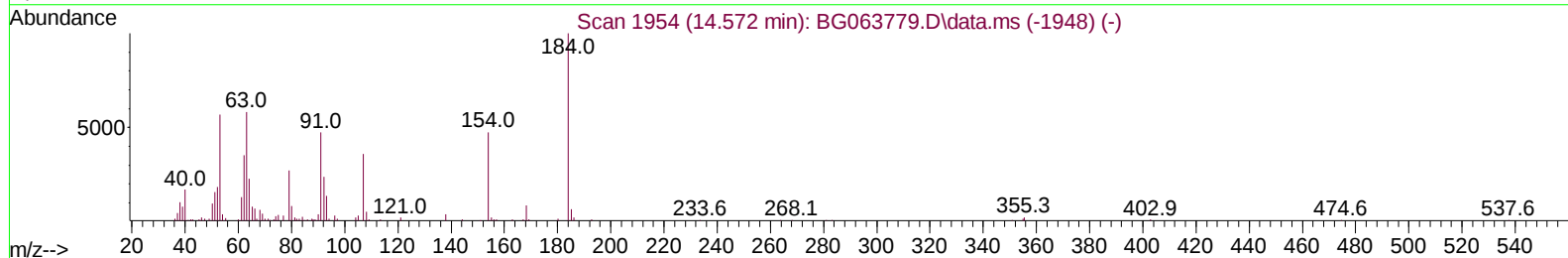
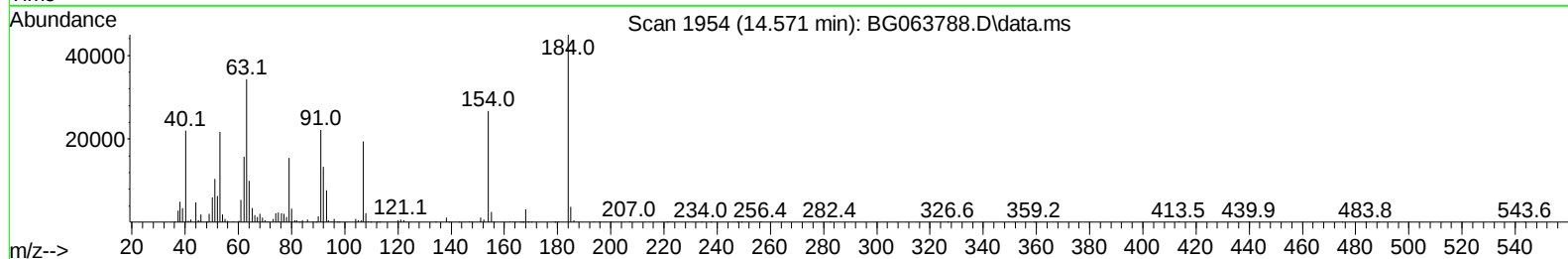
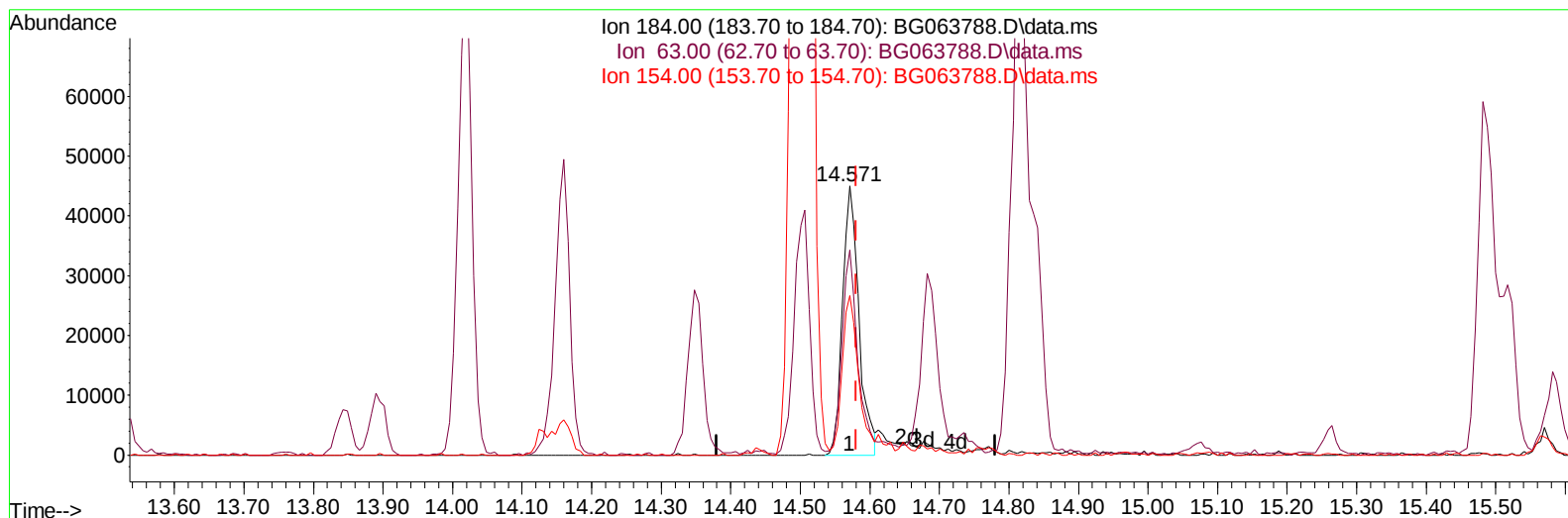
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
Data File : BG063788.D
Acq On : 23 Dec 2024 17:37
Operator : RC/JU
Sample : P5302-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR6MS

Manual IntegrationsAPPROVED

Quant Time: Dec 23 23:53:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BG063788.D\data.ms

(53) 2,4-Dinitrophenol

14.571min (-0.009) 31.14 ng/ul

response 74152

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	65.10	76.30
154.00	59.70	59.31
0.00	0.00	0.00

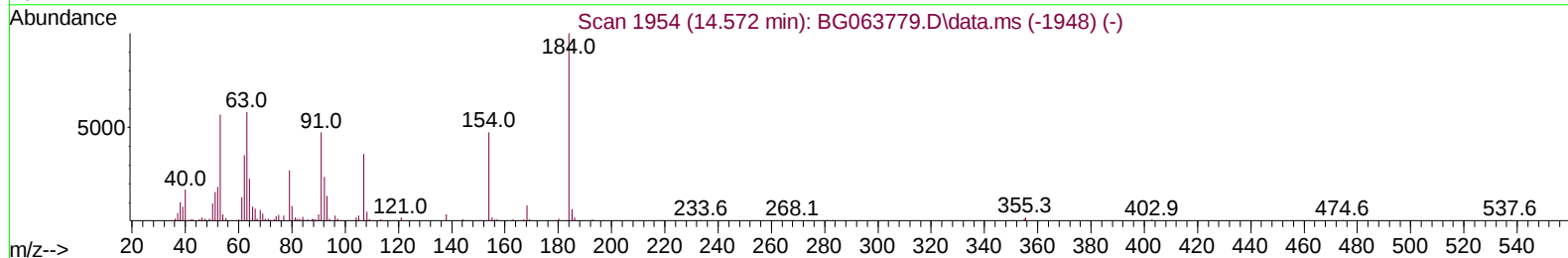
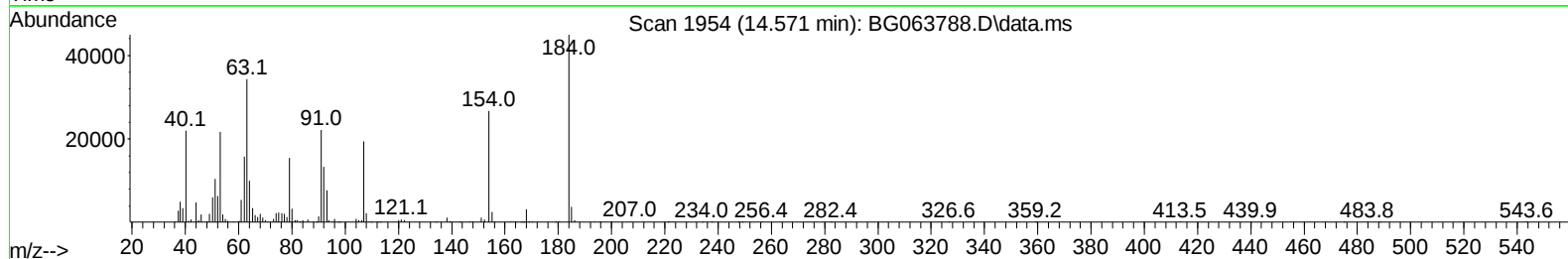
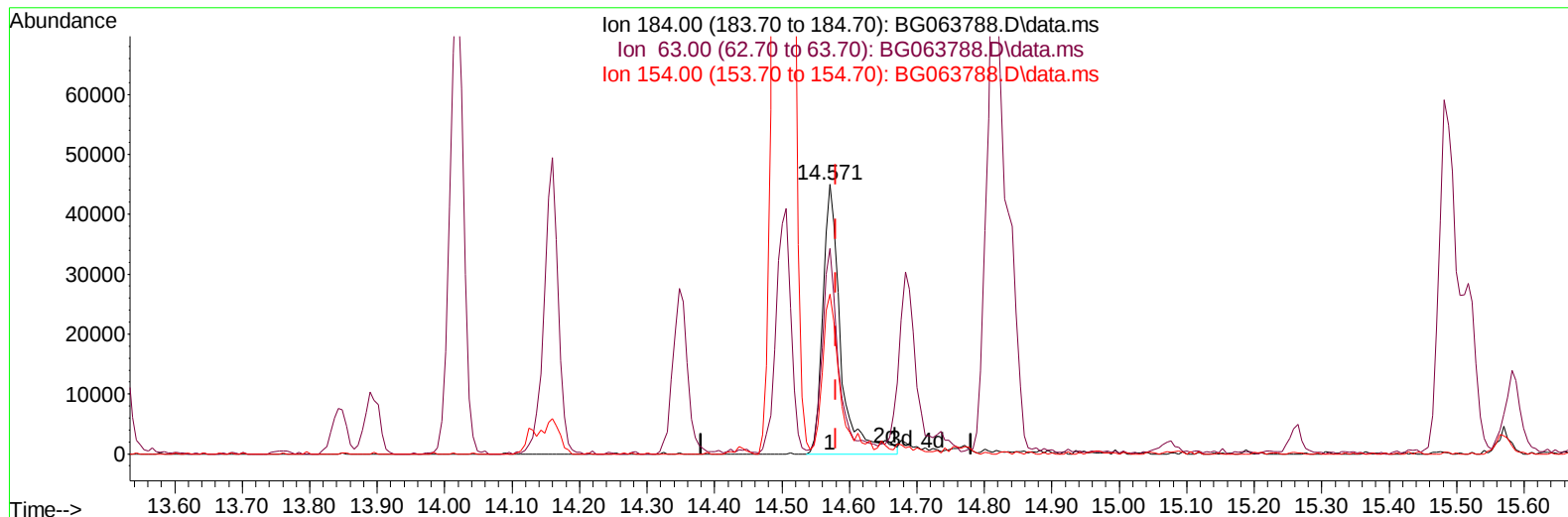
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
Data File : BG063788.D
Acq On : 23 Dec 2024 17:37
Operator : RC/JU
Sample : P5302-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR6MS

Manual IntegrationsAPPROVED

Quant Time: Dec 23 23:53:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BG063788.D\data.ms

(53) 2,4-Dinitrophenol

14.571min (-0.009) 34.75 ng/ul m

response 82736

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	65.10	76.30
154.00	59.70	59.31
0.00	0.00	0.00

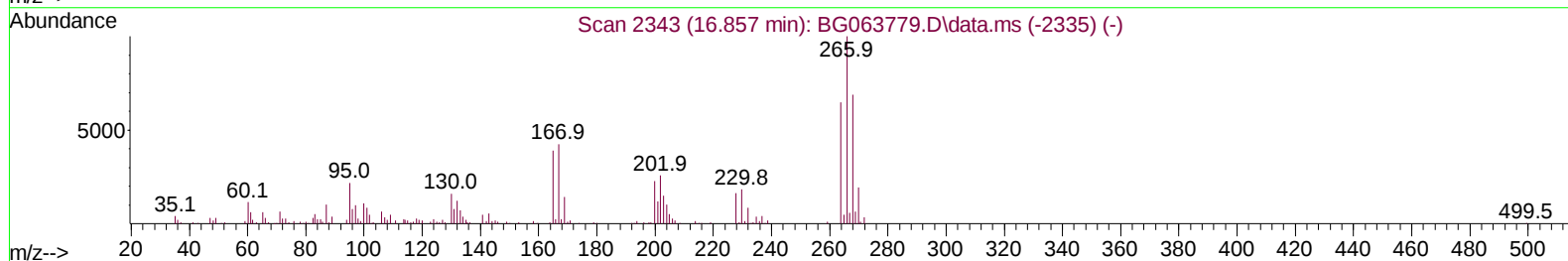
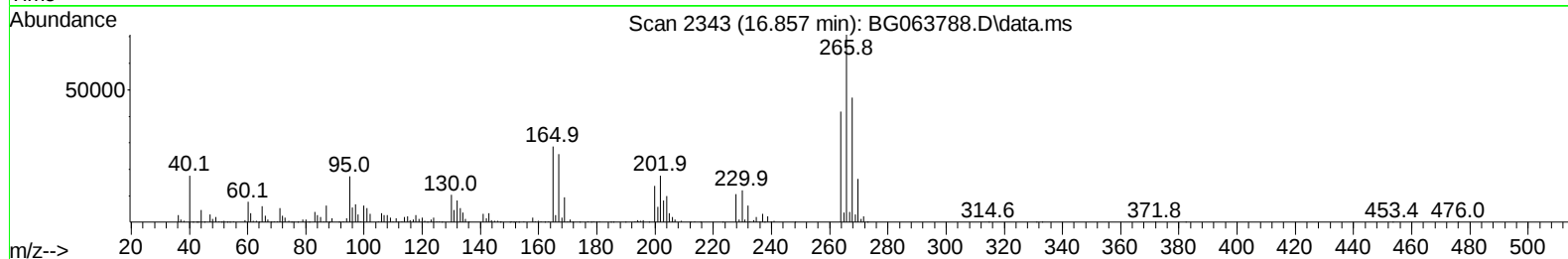
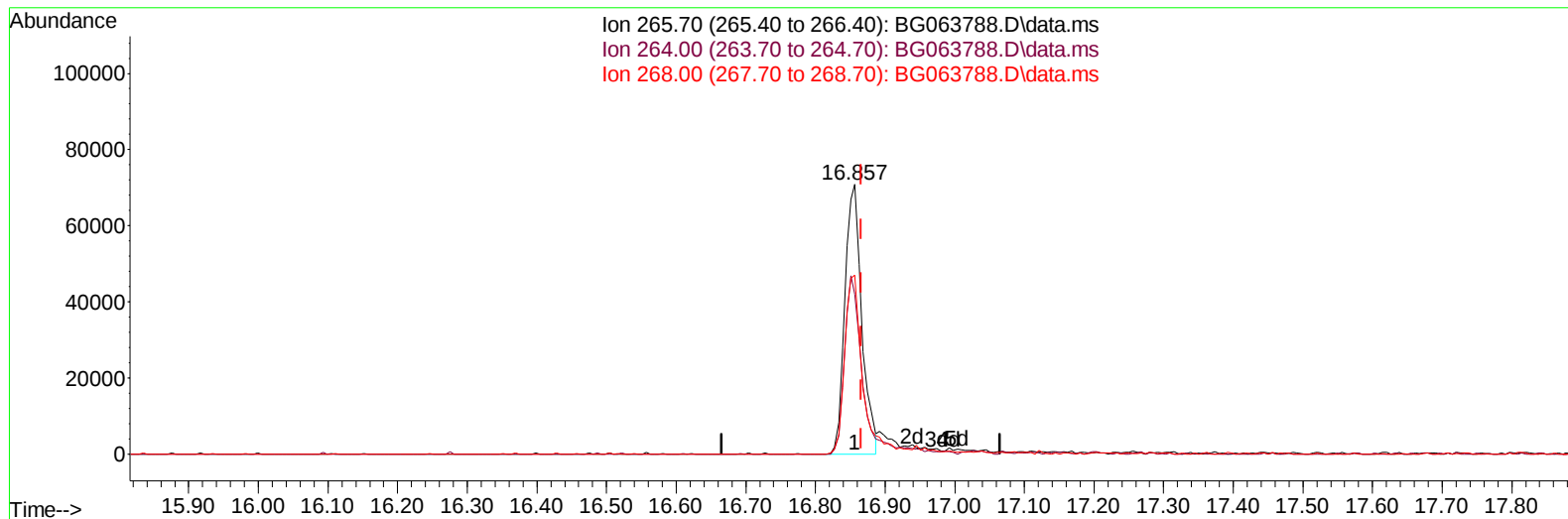
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
Data File : BG063788.D
Acq On : 23 Dec 2024 17:37
Operator : RC/JU
Sample : P5302-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR6MS

Manual IntegrationsAPPROVED

Quant Time: Dec 23 23:53:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BG063788.D\data.ms

(71) Pentachlorophenol (C)

16.857min (-0.009) 26.58 ng/u1

response 119894

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	61.60	59.21
268.00	63.10	66.48
0.00	0.00	0.00

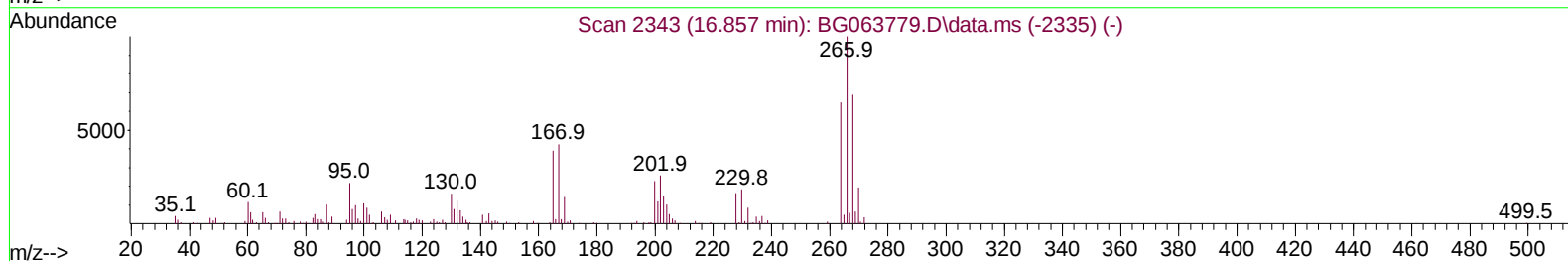
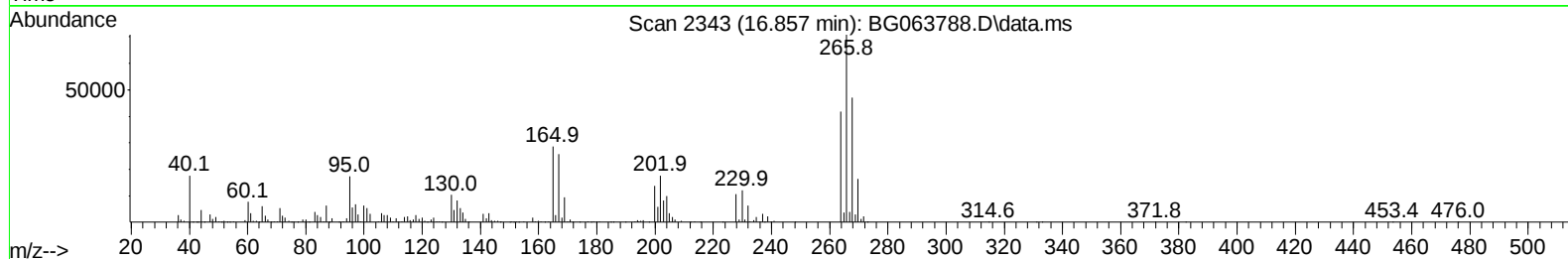
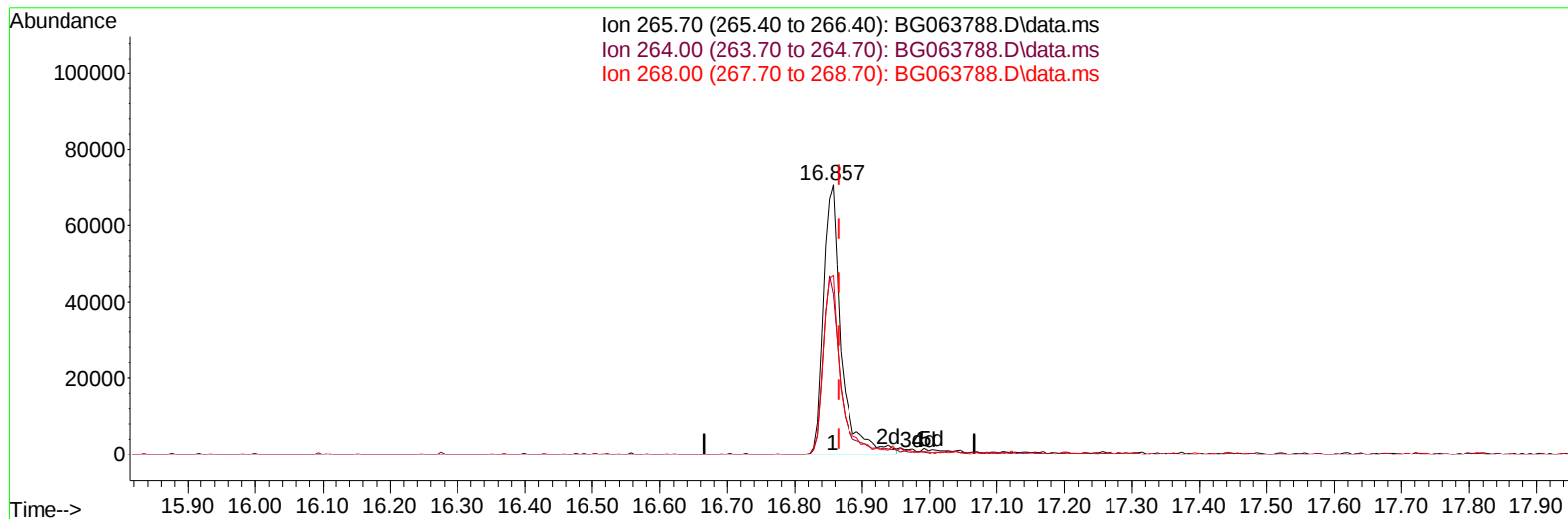
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
Data File : BG063788.D
Acq On : 23 Dec 2024 17:37
Operator : RC/JU
Sample : P5302-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR6MS

Manual IntegrationsAPPROVED

Quant Time: Dec 23 23:53:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BG063788.D\data.ms

(71) Pentachlorophenol (C)

16.857min (-0.009) 29.19 ng/ul m

response 131663

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	61.60	59.21
268.00	63.10	66.48
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
 Data File : BG063788.D
 Acq On : 23 Dec 2024 17:37
 Operator : RC/JU
 Sample : P5302-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

E2AR6MS

Manual IntegrationsAPPROVED

Quant Time: Dec 23 23:58:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.797	152	108173	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.588	136	445066	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.436	164	367863	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.192	188	936976	20.000	ng/ul	-0.02
79) Chrysene-d12	21.440	240	964530	20.000	ng/ul	-0.02
88) Perylene-d12	24.448	264	1031283	20.000	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.261	96	11524m	4.175	ng/uL	-0.02
4) Pyridine-d5	3.666	84	164236	18.861	ng/ul	-0.02
7) Phenol-d5	6.986	99	216788	21.760	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.127	67	142771	20.749	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.338	132	134491	20.852	ng/ul	0.00
15) 4-Methylphenol-d8	8.519	113	164692	21.292	ng/ul	0.00
21) Nitrobenzene-d5	8.948	128	74250	23.365	ng/ul	-0.02
24) 2-Nitrophenol-d4	9.671	143	83623	23.475	ng/ul	-0.02
28) 2,4-Dichlorophenol-d3	10.217	165	170348	24.700	ng/ul	-0.02
31) 4-Chloroaniline-d4	10.723	131	194893	22.256	ng/ul	-0.02
46) Dimethylphthalate-d6	13.843	166	609754	24.360	ng/ul	-0.02
49) Acenaphthylene-d8	14.131	160	661766	23.192	ng/ul	-0.02
54) 4-Nitrophenol-d4	14.671	143	86868	24.493	ng/ul	0.00
60) Fluorene-d10	15.435	176	521390	23.559	ng/ul	-0.02
65) 4,6-Dinitro-2-methylph...	15.570	200	96633	19.864	ng/ul	0.00
73) Anthracene-d10	17.292	188	951463	23.619	ng/ul	-0.02
81) Pyrene-d10	19.589	212	1025190	20.425	ng/ul	-0.02
92) Benzo(a)pyrene-d12	24.242	264	933835	19.282	ng/ul	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.296	88	35423	10.843	ng/uL	95
5) Pyridine	3.684	79	254115	27.245	ng/ul	94
6) Benzaldehyde	6.945	77	25745	4.213	ng/ul	93
8) Phenol	7.009	94	325998	30.703	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.221	93	230876	28.420	ng/ul	93
12) 2-Chlorophenol	7.368	128	198389	30.387	ng/ul	98
13) 2-Methylphenol	8.249	108	228465	29.771	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.314	45	343187	28.456	ng/ul	98
16) Acetophenone	8.619	105	375312	28.607	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.602	70	222929	28.478	ng/ul	96
18) 4-Methylphenol	8.578	108	254638	30.318	ng/ul	96
19) Hexachloroethane	8.872	117	82941	25.855	ng/ul	92
22) Nitrobenzene	8.995	77	312622	29.460	ng/ul	98
23) Isophorone	9.518	82	620452	30.945	ng/ul	98
25) 2-Nitrophenol	9.706	139	115492	31.548	ng/ul	86
26) 2,4-Dimethylphenol	9.777	107	261883	31.525	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.000	93	342339	31.567	ng/ul	96
29) 2,4-Dichlorophenol	10.247	162	227713	33.229	ng/ul	95
30) Naphthalene	10.635	128	692419	31.117	ng/ul	99
32) 4-Chloroaniline	10.752	127	171372	20.569	ng/ul	98
33) Hexachlorobutadiene	10.923	225	151483	27.209	ng/ul	99
34) Caprolactam	11.498	113	89092m	37.610	ng/ul	
35) 4-Chloro-3-methylphenol	11.892	107	275882	34.291	ng/ul	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
 Data File : BG063788.D
 Acq On : 23 Dec 2024 17:37
 Operator : RC/JU
 Sample : P5302-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E2AR6MS

Manual IntegrationsAPPROVED

Quant Time: Dec 23 23:58:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.250	142	515083	32.208	ng/ul	97
37) 1-Methylnaphthalene	12.474	142	519328	31.880	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.626	216	312997	26.578	ng/ul	99
40) Hexachlorocyclopentadiene	12.603	237	72062	15.479	ng/ul	88
41) 2,4,6-Trichlorophenol	12.873	196	196855	29.576	ng/ul	88
42) 2,4,5-Trichlorophenol	12.955	196	214219	30.840	ng/ul	99
43) 1,1'-Biphenyl	13.267	154	731473	30.151	ng/ul	96
44) 2-Chloronaphthalene	13.308	162	581607	29.855	ng/ul	98
45) 2-Nitroaniline	13.519	65	215590	33.038	ng/ul	96
47) Dimethylphthalate	13.896	163	798570	31.832	ng/ul	98
48) 2,6-Dinitrotoluene	14.019	165	165294	35.478	ng/ul#	91
50) Acenaphthylene	14.160	152	974230	31.842	ng/ul	98
51) 3-Nitroaniline	14.348	138	152375	35.373	ng/ul	98
52) Acenaphthene	14.501	153	677404	31.237	ng/ul	96
53) 2,4-Dinitrophenol	14.571	184	82736m	34.748	ng/ul	
55) 4-Nitrophenol	14.683	109	105476	28.641	ng/ul	96
56) Dibenzofuran	14.841	168	980180	32.060	ng/ul	97
57) 2,4-Dinitrotoluene	14.812	165	248308	35.867	ng/ul#	100
58) 2,3,4,6-Tetrachlorophenol	15.076	232	196161	32.761	ng/ul	94
59) Diethylphthalate	15.259	149	822283	33.906	ng/ul	96
61) Fluorene	15.494	166	803428	32.910	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.482	204	434649	31.958	ng/ul	96
63) 4-Nitroaniline	15.517	138	179851	41.704	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.588	198	163897	32.702	ng/ul	90
67) N-Nitrosodiphenylamine	15.699	169	721817	31.813	ng/ul	98
68) 4-Bromophenyl-phenylether	16.381	248	297686	31.174	ng/ul	97
69) Hexachlorobenzene	16.504	284	325333	30.409	ng/ul	96
70) Atrazine	16.657	200	303243	31.617	ng/ul	96
71) Pentachlorophenol	16.857	266	131663m	29.188	ng/ul	
72) Phenanthrene	17.233	178	1491990	33.043	ng/ul	99
74) Anthracene	17.327	178	1493209	32.674	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.237	216	326277	26.099	ng/ul	97
76) Pentachlorobenzene	14.765	250	346567	27.983	ng/ul	99
77) Carbazole	17.597	167	1307279	35.338	ng/ul	99
78) Di-n-butylphthalate	18.155	149	1547385	34.636	ng/ul	98
80) Fluoranthene	19.254	202	1837273	32.206	ng/ul	98
82) Pyrene	19.618	202	1939078	31.948	ng/ul#	94
83) Butylbenzylphthalate	20.511	149	645938	34.669	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.340	252	465096	26.712	ng/ul	97
85) Benzo(a)anthracene	21.422	228	1866317	30.875	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.334	149	965069	35.608	ng/ul	98
87) Chrysene	21.481	228	1799704	31.238	ng/ul	98
89) Di-n-octyl phthalate	22.462	149	1643422	36.921	ng/ul	100
90) Benzo(b)fluoranthene	23.502	252	1870729	31.916	ng/ul	99
91) Benzo(k)fluoranthene	23.561	252	1856031	31.745	ng/ul	100
93) Benzo(a)pyrene	24.313	252	1723051	31.319	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.850	276	2149529	31.993	ng/ul	98
95) Dibenzo(a,h)anthracene	27.897	278	1727593	32.135	ng/ul	96
96) Benzo(g,h,i)perylene	28.919	276	1665743	31.243	ng/ul	99

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

Instrument :

BNA_G

ClientSampleId :

E2AR6MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024

