

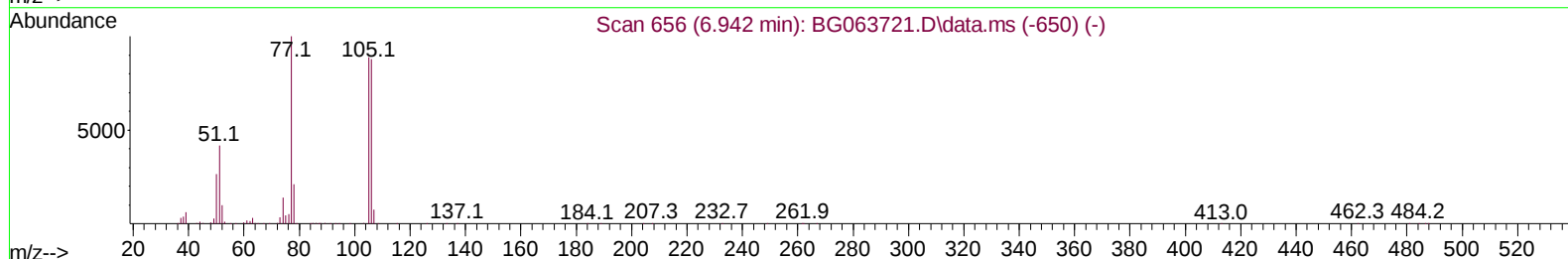
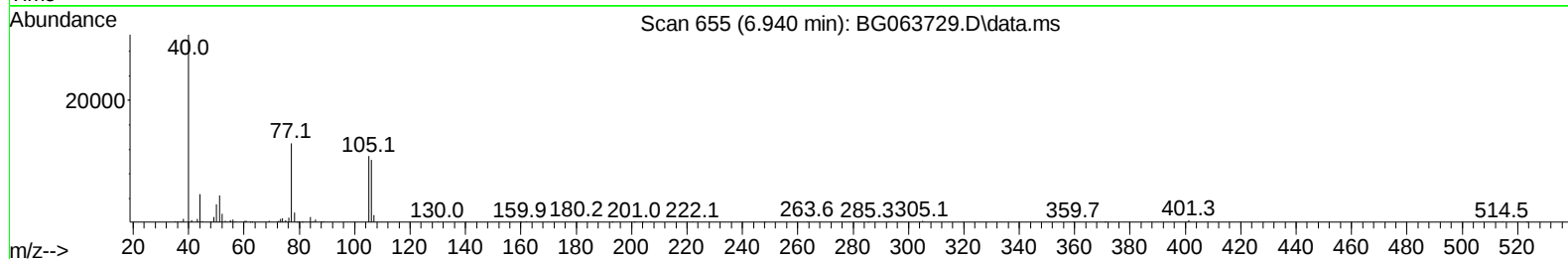
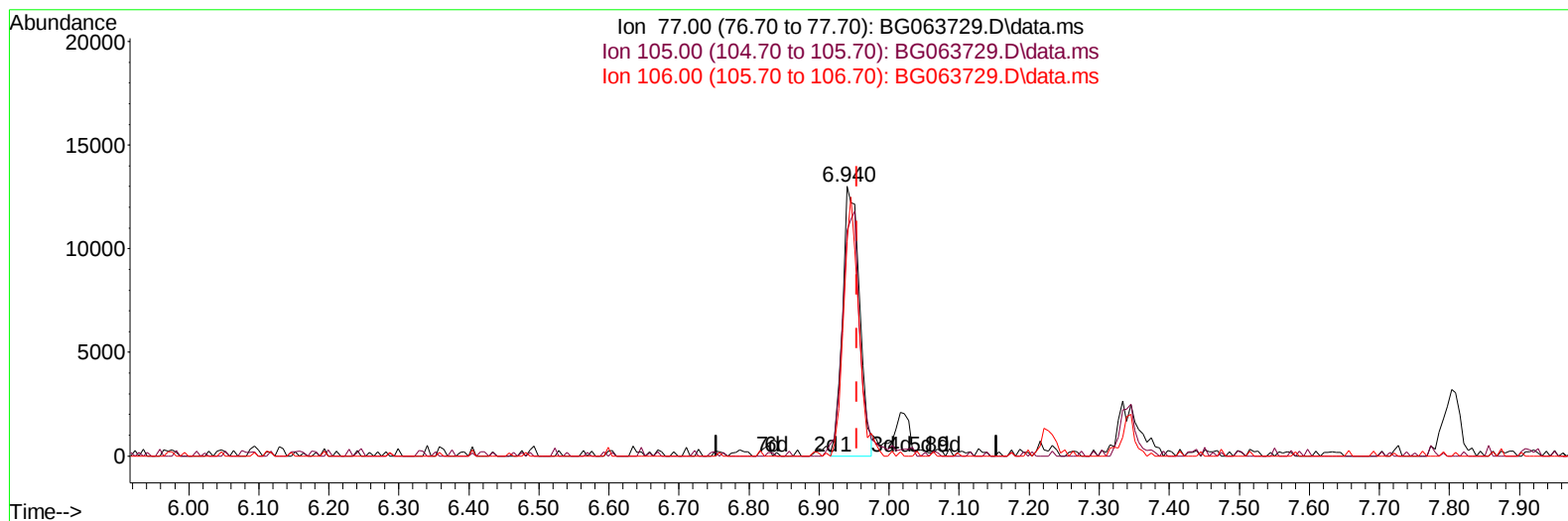
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121824\
Data File : BG063729.D
Acq On : 18 Dec 2024 16:52
Operator : RC/JU
Sample : P5226-25MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR4MS

Manual IntegrationsAPPROVED

Quant Time: Dec 18 23:00:28 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 12/21/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BG063729.D\data.ms

(6) Benzaldehyde

6.940min (-0.014) 3.48 ng/u1

response 22235

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	81.50	83.73
106.00	76.20	79.50
0.00	0.00	0.00

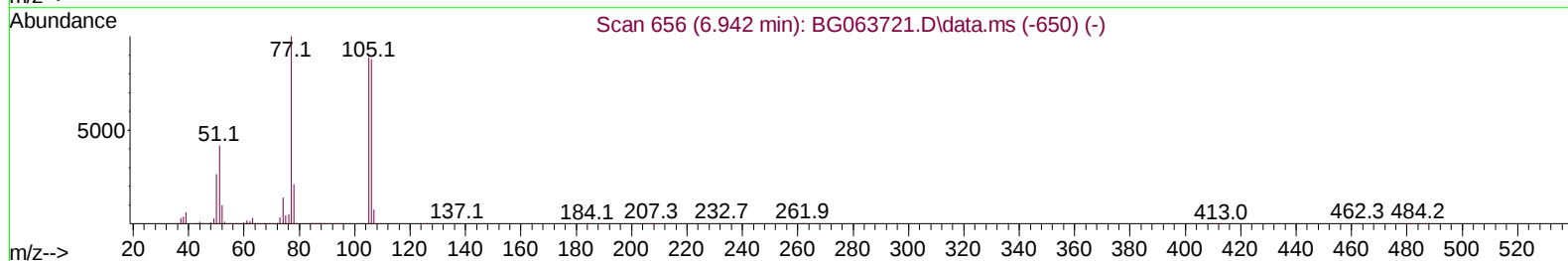
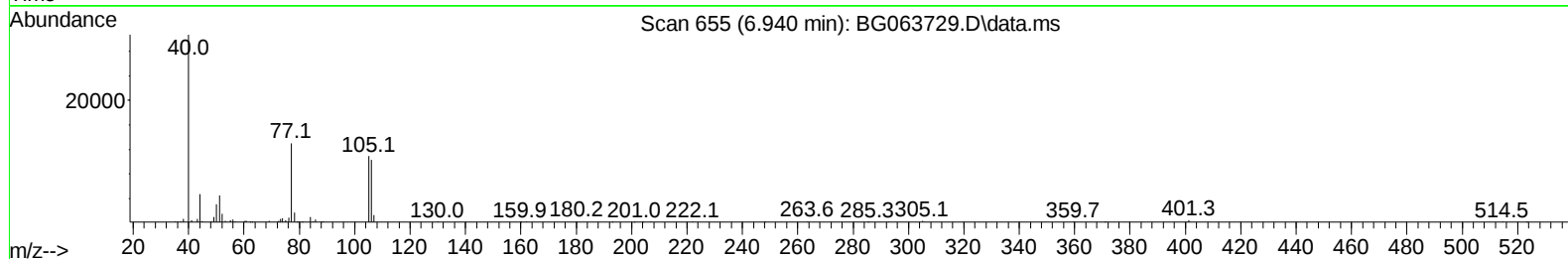
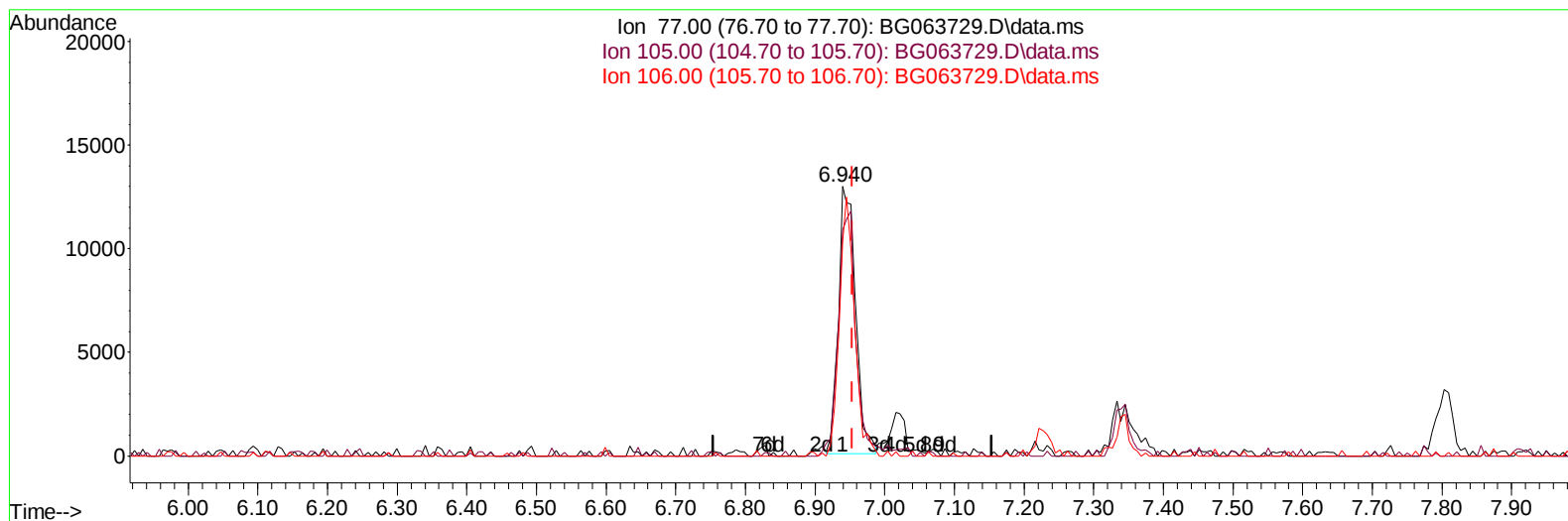
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121824\
 Data File : BG063729.D
 Acq On : 18 Dec 2024 16:52
 Operator : RC/JU
 Sample : P5226-25MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E2AR4MS

Manual IntegrationsAPPROVED

Quant Time: Dec 18 23:00:28 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 12/21/2024
 Supervised By :mohammad ahmed 12/21/2024



TIC: BG063729.D\data.ms

(6) Benzaldehyde

6.940min (-0.014) 3.48 ng/ul m

response 22228

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	81.50	83.73
106.00	76.20	79.50
0.00	0.00	0.00

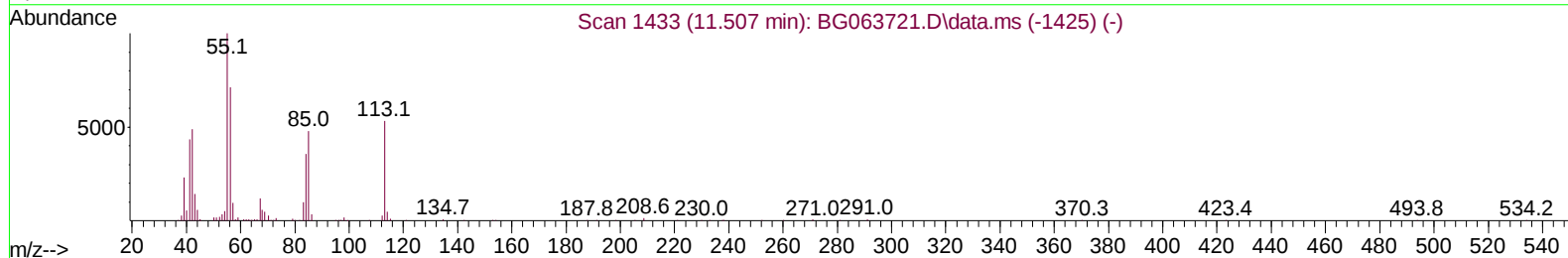
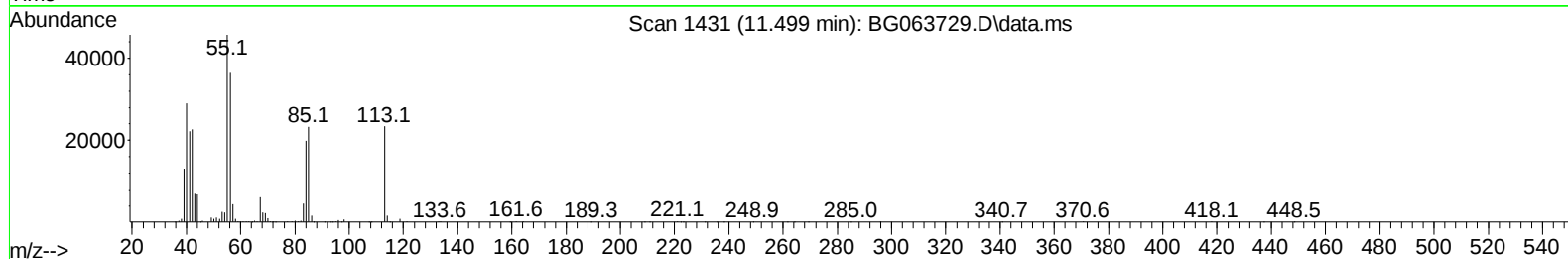
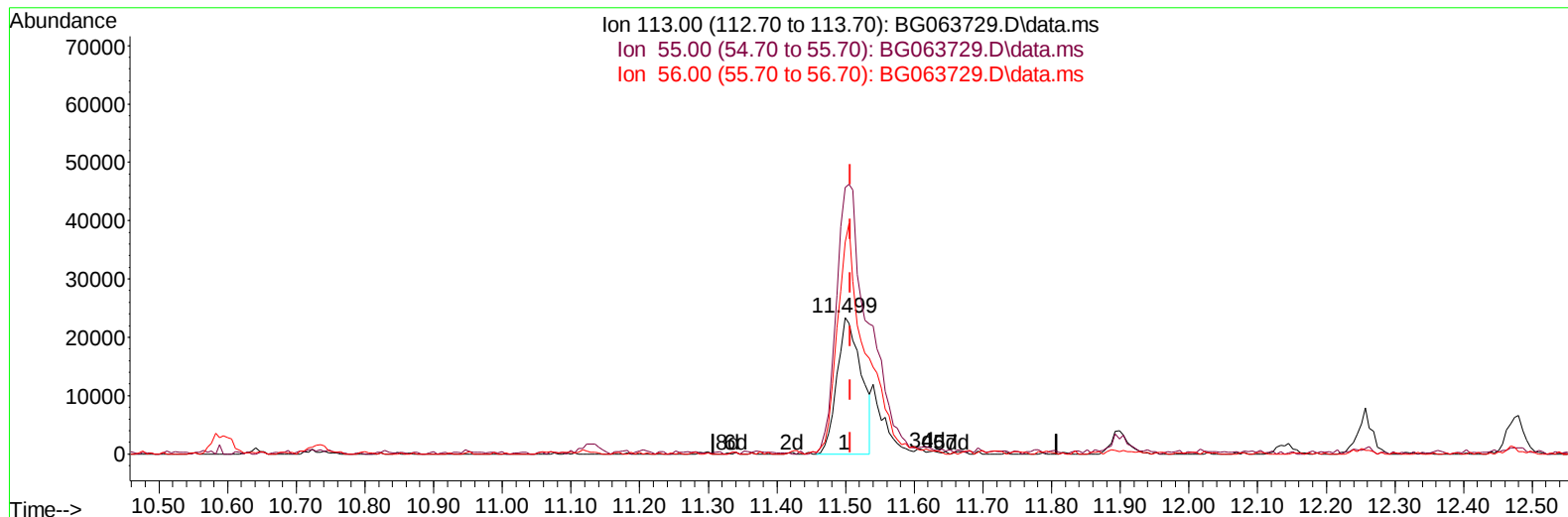
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121824\
 Data File : BG063729.D
 Acq On : 18 Dec 2024 16:52
 Operator : RC/JU
 Sample : P5226-25MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E2AR4MS

Manual IntegrationsAPPROVED

Quant Time: Dec 18 23:00:28 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 12/21/2024
 Supervised By :mohammad ahmed 12/21/2024



TIC: BG063729.D\data.ms

(34) Caprolactam

11.499min (-0.009) 21.67 ng/ul

response 57065

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	202.90	195.15
56.00	133.90	155.42
0.00	0.00	0.00

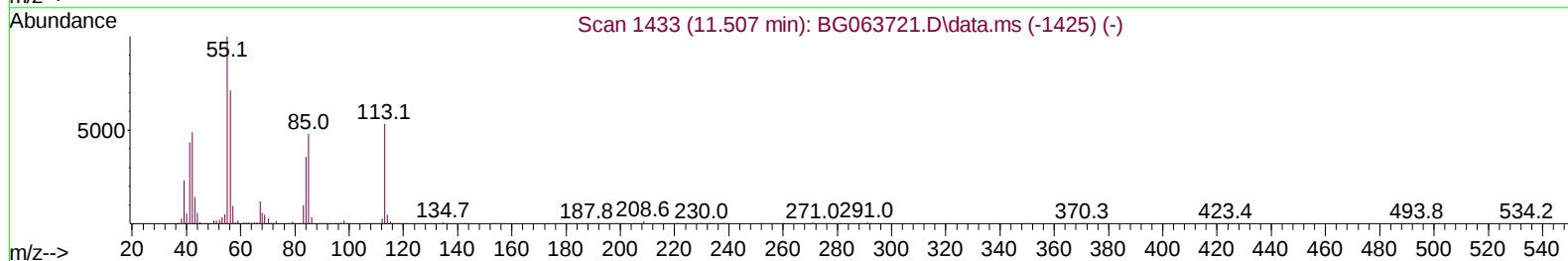
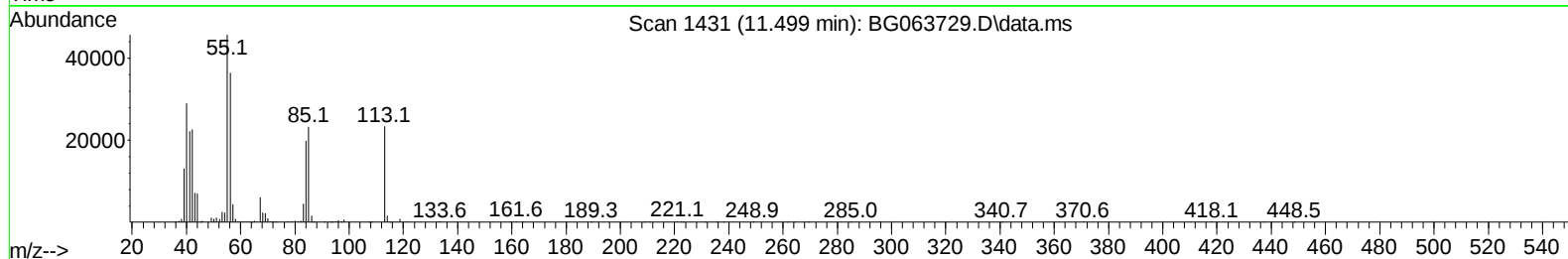
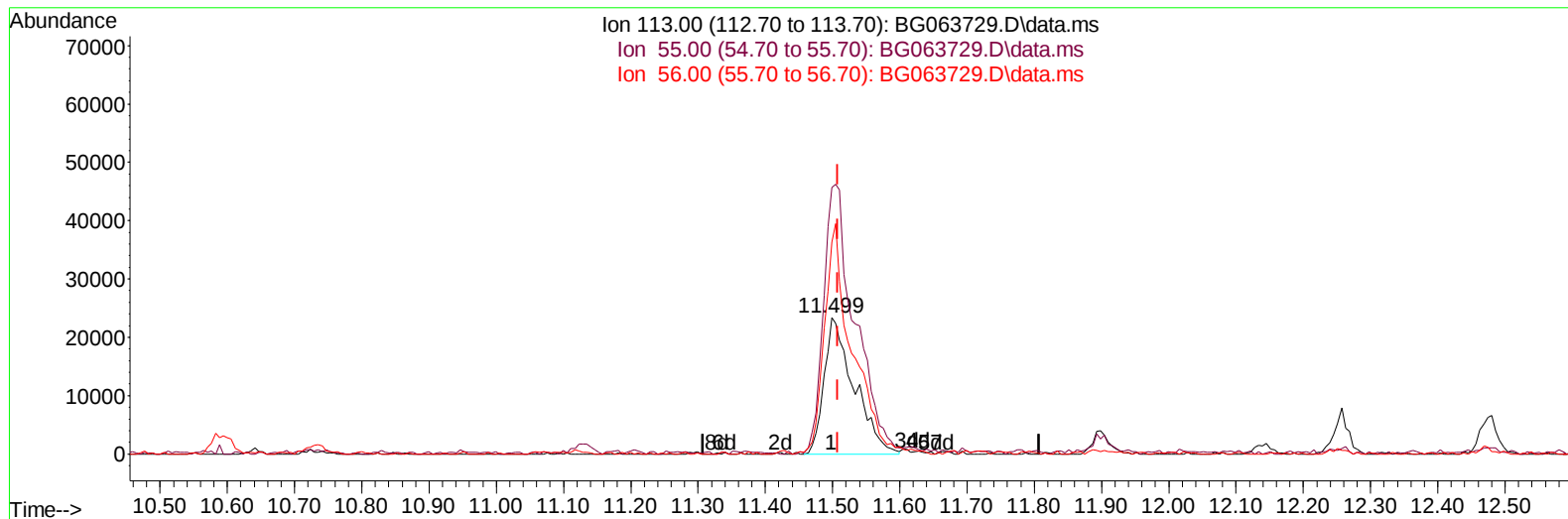
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121824\
Data File : BG063729.D
Acq On : 18 Dec 2024 16:52
Operator : RC/JU
Sample : P5226-25MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR4MS

Manual IntegrationsAPPROVED

Quant Time: Dec 18 23:00:28 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 12/21/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BG063729.D\data.ms

(34) Caprolactam

11.499min (-0.009) 27.50 ng/ul m

response 72443

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	202.90	195.15
56.00	133.90	155.42
0.00	0.00	0.00

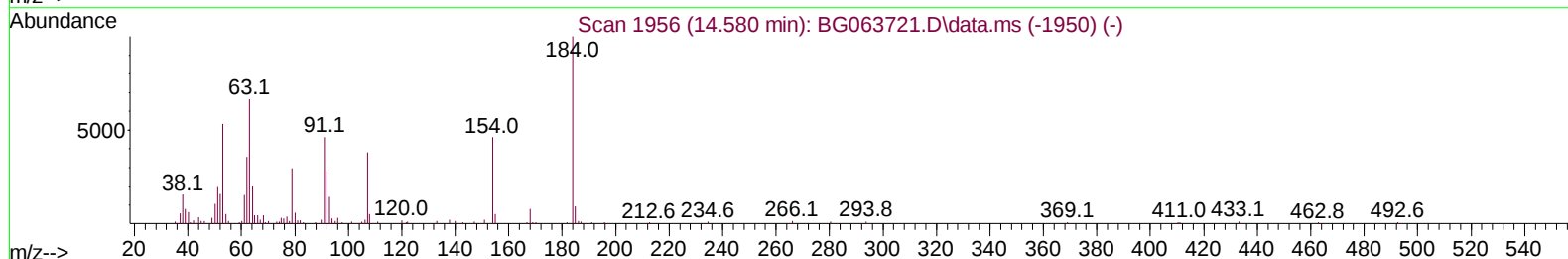
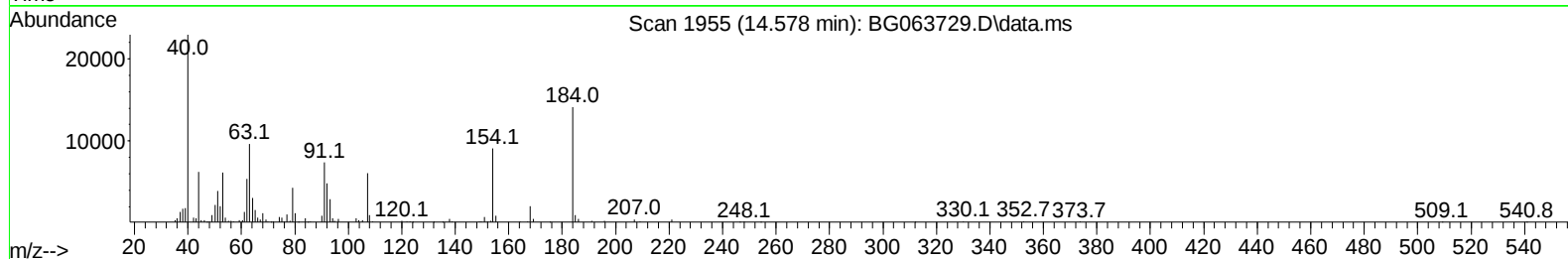
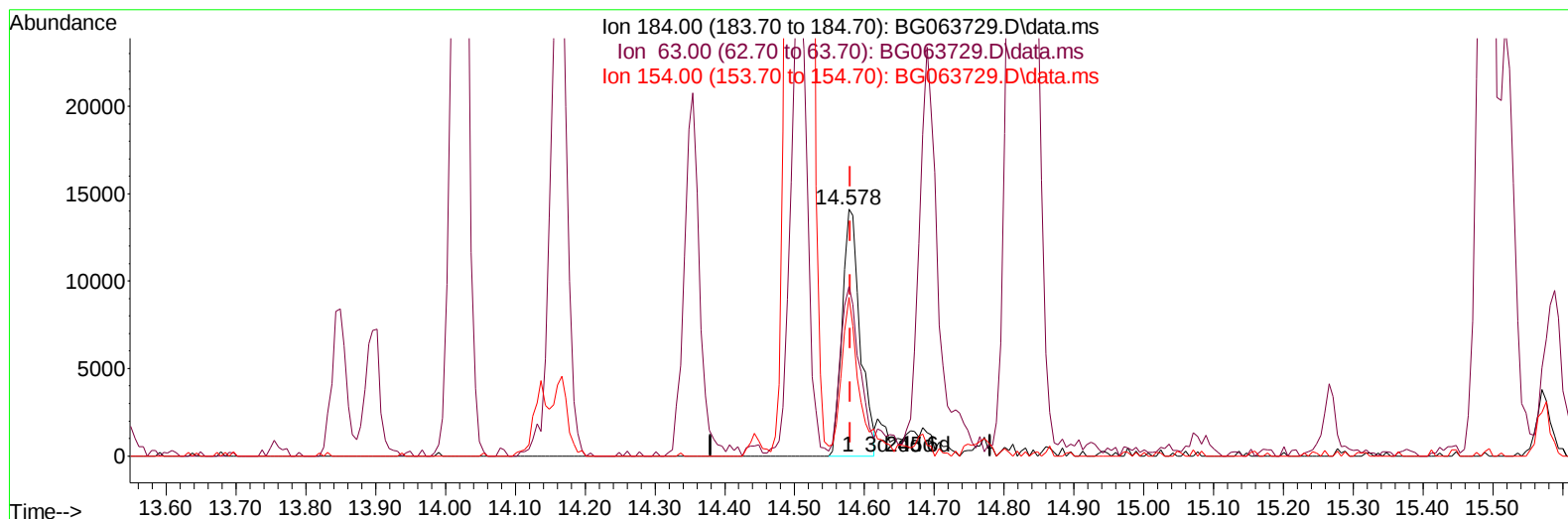
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121824\
Data File : BG063729.D
Acq On : 18 Dec 2024 16:52
Operator : RC/JU
Sample : P5226-25MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR4MS

Manual IntegrationsAPPROVED

Quant Time: Dec 18 23:00:28 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 12/21/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BG063729.D\data.ms

(53) 2,4-Dinitrophenol

14.578min (-0.003) 10.35 ng/u1

response 25047

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	65.10	68.62
154.00	59.70	64.37
0.00	0.00	0.00

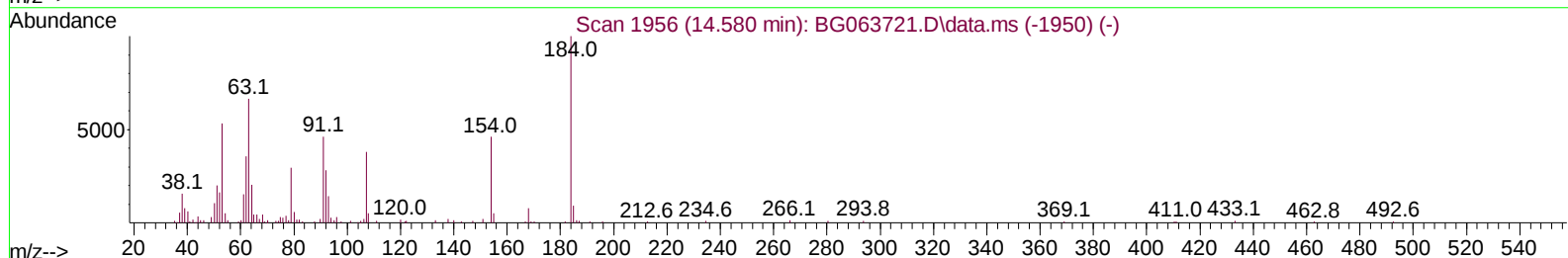
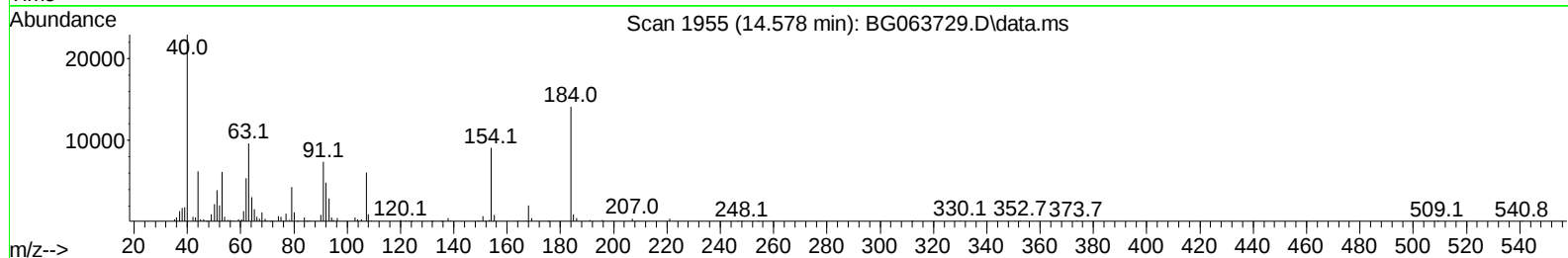
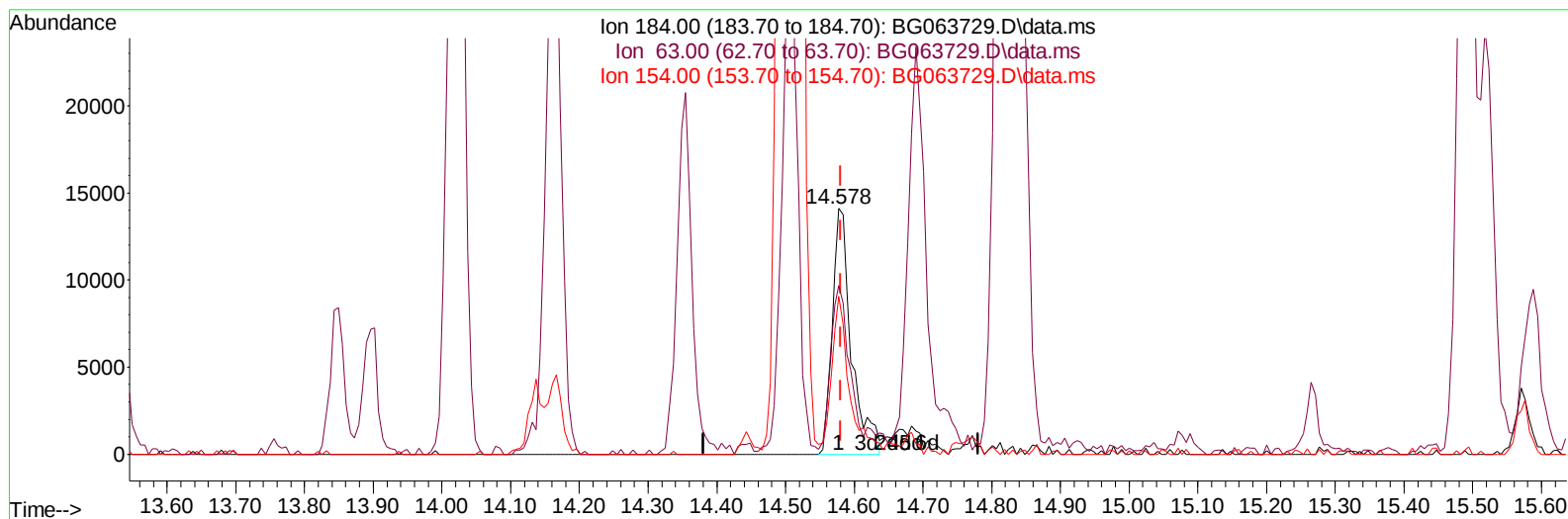
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121824\
Data File : BG063729.D
Acq On : 18 Dec 2024 16:52
Operator : RC/JU
Sample : P5226-25MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2AR4MS

Manual IntegrationsAPPROVED

Quant Time: Dec 18 23:00:28 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 12/21/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BG063729.D\data.ms

(53) 2,4-Dinitrophenol

14.578min (-0.003) 11.28 ng/ul m

response 27284

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	65.10	68.62
154.00	59.70	64.37
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121824\
 Data File : BG063729.D
 Acq On : 18 Dec 2024 16:52
 Operator : RC/JU
 Sample : P5226-25MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E2AR4MS

Manual IntegrationsAPPROVED

Quant Time: Dec 18 23:02:59 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 12/21/2024
 Supervised By :mohammad ahmed 12/21/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.803	152	113213	20.000	ng/ul	0.00
20) Naphthalene-d8	10.594	136	494853	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.443	164	373833	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.198	188	979860	20.000	ng/ul	0.00
79) Chrysene-d12	21.446	240	995864	20.000	ng/ul	-0.01
88) Perylene-d12	24.460	264	1022695	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.261	96	10587	3.665	ng/uL	-0.01
4) Pyridine-d5	3.667	84	164480	18.048	ng/ul	-0.02
7) Phenol-d5	6.992	99	223124	21.399	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.133	67	145165	20.158	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.339	132	143637	21.278	ng/ul	0.00
15) 4-Methylphenol-d8	8.520	113	172982	21.368	ng/ul	0.00
21) Nitrobenzene-d5	8.955	128	79538	22.511	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.678	143	94278	23.804	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.224	165	168369	21.957	ng/ul	0.00
31) 4-Chloroaniline-d4	10.729	131	206177	21.176	ng/ul	-0.01
46) Dimethylphthalate-d6	13.849	166	607707	23.890	ng/ul	0.00
49) Acenaphthylene-d8	14.137	160	622072	21.453	ng/ul	0.00
54) 4-Nitrophenol-d4	14.678	143	93627	25.977	ng/ul	0.00
60) Fluorene-d10	15.441	176	491032	21.833	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.571	200	97401	19.145	ng/ul	0.00
73) Anthracene-d10	17.292	188	858969	20.390	ng/ul	-0.01
81) Pyrene-d10	19.595	212	965908	18.639	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.249	264	831811	17.320	ng/ul	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.297	88	24918	7.288	ng/uL#	95
5) Pyridine	3.690	79	192699	19.741	ng/ul	89
6) Benzaldehyde	6.940	77	22228m	3.475	ng/ul	
8) Phenol	7.016	94	260854	23.474	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.227	93	186118	21.891	ng/ul	96
12) 2-Chlorophenol	7.374	128	159163	23.293	ng/ul	98
13) 2-Methylphenol	8.256	108	181008	22.537	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.320	45	279232	22.123	ng/ul	100
16) Acetophenone	8.620	105	308120	22.440	ng/ul	93
17) N-Nitroso-di-n-propyla...	8.602	70	178821	21.826	ng/ul#	98
18) 4-Methylphenol	8.585	108	203150	23.111	ng/ul	98
19) Hexachloroethane	8.873	117	63768	18.993	ng/ul	95
22) Nitrobenzene	9.002	77	257621	21.834	ng/ul	93
23) Isophorone	9.519	82	490413	21.998	ng/ul	98
25) 2-Nitrophenol	9.713	139	99355	24.409	ng/ul#	86
26) 2,4-Dimethylphenol	9.777	107	183087	19.822	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.001	93	272990	22.640	ng/ul#	99
29) 2,4-Dichlorophenol	10.253	162	183866	24.131	ng/ul	92
30) Naphthalene	10.641	128	563794	22.788	ng/ul	97
32) 4-Chloroaniline	10.753	127	144739	15.624	ng/ul	97
33) Hexachlorobutadiene	10.929	225	114366	18.476	ng/ul	96
34) Caprolactam	11.499	113	72443m	27.505	ng/ul	
35) 4-Chloro-3-methylphenol	11.898	107	227464	25.428	ng/ul	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121824\
 Data File : BG063729.D
 Acq On : 18 Dec 2024 16:52
 Operator : RC/JU
 Sample : P5226-25MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E2AR4MS

Manual IntegrationsAPPROVED

Quant Time: Dec 18 23:02:59 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 12/21/2024
 Supervised By :mohammad ahmed 12/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.257	142	412305	23.187	ng/ul	99
37) 1-Methylnaphthalene	12.474	142	418041	23.080	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.633	216	246399	20.589	ng/ul	96
40) Hexachlorocyclopentadiene	12.609	237	34922	7.382	ng/ul	94
41) 2,4,6-Trichlorophenol	12.880	196	167882	24.820	ng/ul	93
42) 2,4,5-Trichlorophenol	12.962	196	180759	25.607	ng/ul	94
43) 1,1'-Biphenyl	13.273	154	573316	23.255	ng/ul	95
44) 2-Chloronaphthalene	13.314	162	458078	23.138	ng/ul	97
45) 2-Nitroaniline	13.520	65	178581	26.930	ng/ul	97
47) Dimethylphthalate	13.896	163	638711	25.053	ng/ul	99
48) 2,6-Dinitrotoluene	14.019	165	126012	26.614	ng/ul	91
50) Acenaphthylene	14.166	152	750322	24.132	ng/ul	98
51) 3-Nitroaniline	14.354	138	130936	29.911	ng/ul	91
52) Acenaphthene	14.507	153	536372	24.339	ng/ul	94
53) 2,4-Dinitrophenol	14.578	184	27284m	11.276	ng/ul	
55) 4-Nitrophenol	14.689	109	90685	24.231	ng/ul	97
56) Dibenzofuran	14.842	168	793533	25.540	ng/ul	98
57) 2,4-Dinitrotoluene	14.819	165	202383	28.767	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.083	232	163040	26.794	ng/ul#	90
59) Diethylphthalate	15.265	149	660146	26.785	ng/ul	96
61) Fluorene	15.494	166	645764	26.029	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.488	204	332324	24.044	ng/ul	100
63) 4-Nitroaniline	15.524	138	152615	34.824	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.588	198	118217	22.555	ng/ul#	92
67) N-Nitrosodiphenylamine	15.706	169	591997	24.950	ng/ul	96
68) 4-Bromophenyl-phenylether	16.381	248	234319	23.465	ng/ul	99
69) Hexachlorobenzene	16.505	284	263009	23.507	ng/ul	99
70) Atrazine	16.658	200	260526	25.974	ng/ul	97
71) Pentachlorophenol	16.857	266	89222	18.914	ng/ul	95
72) Phenanthrene	17.239	178	1189689	25.195	ng/ul	100
74) Anthracene	17.327	178	1200629	25.122	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.238	216	246427	18.849	ng/ul	97
76) Pentachlorobenzene	14.766	250	267513	20.655	ng/ul	100
77) Carbazole	17.604	167	1109352	28.675	ng/ul	98
78) Di-n-butylphthalate	18.162	149	1295659	27.732	ng/ul	98
80) Fluoranthene	19.260	202	1442768	24.495	ng/ul	99
82) Pyrene	19.619	202	1539057	24.560	ng/ul	95
83) Butylbenzylphthalate	20.512	149	557289	28.970	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.346	252	381125	21.200	ng/ul	95
85) Benzo(a)anthracene	21.423	228	1454196	23.300	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.334	149	811799	29.010	ng/ul	99
87) Chrysene	21.487	228	1370513	23.040	ng/ul	98
89) Di-n-octyl phthalate	22.468	149	1394494	31.591	ng/ul	100
90) Benzo(b)fluoranthene	23.502	252	1444249	24.847	ng/ul	98
91) Benzo(k)fluoranthene	23.567	252	1413713	24.383	ng/ul	97
93) Benzo(a)pyrene	24.319	252	1288794	23.622	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.862	276	1618519	24.292	ng/ul	97
95) Dibenzo(a,h)anthracene	27.903	278	1332811	25.000	ng/ul	95
96) Benzo(g,h,i)perylene	28.931	276	1263799	23.903	ng/ul	98

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

Instrument :

BNA_G

ClientSampleId :

E2AR4MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/21/2024

Supervised By :mohammad ahmed 12/21/2024

Instrument :
BNA_G
ClientSampleId :
E2AR4MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/21/2024

