

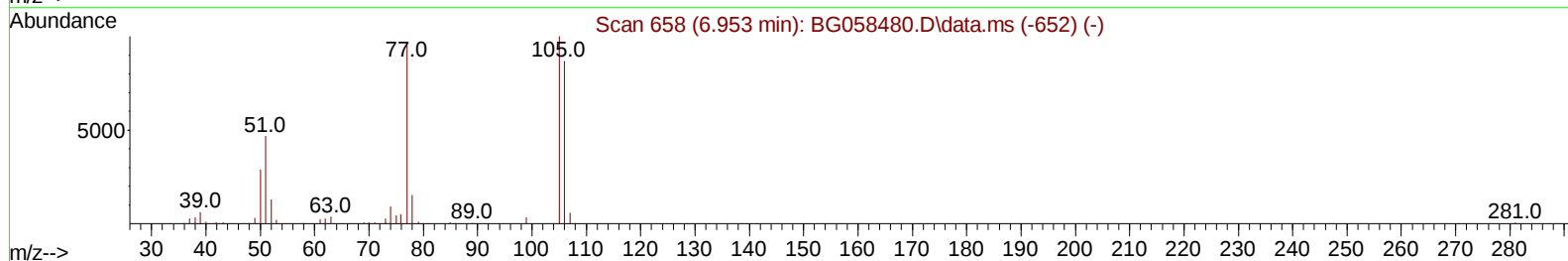
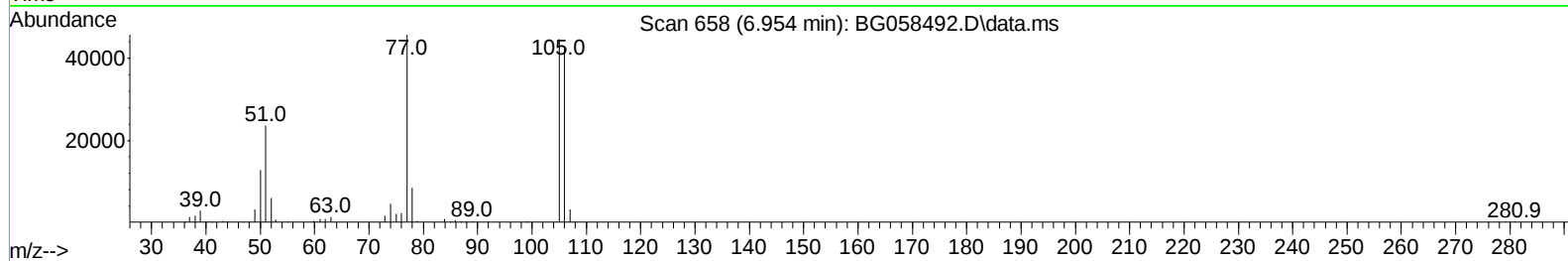
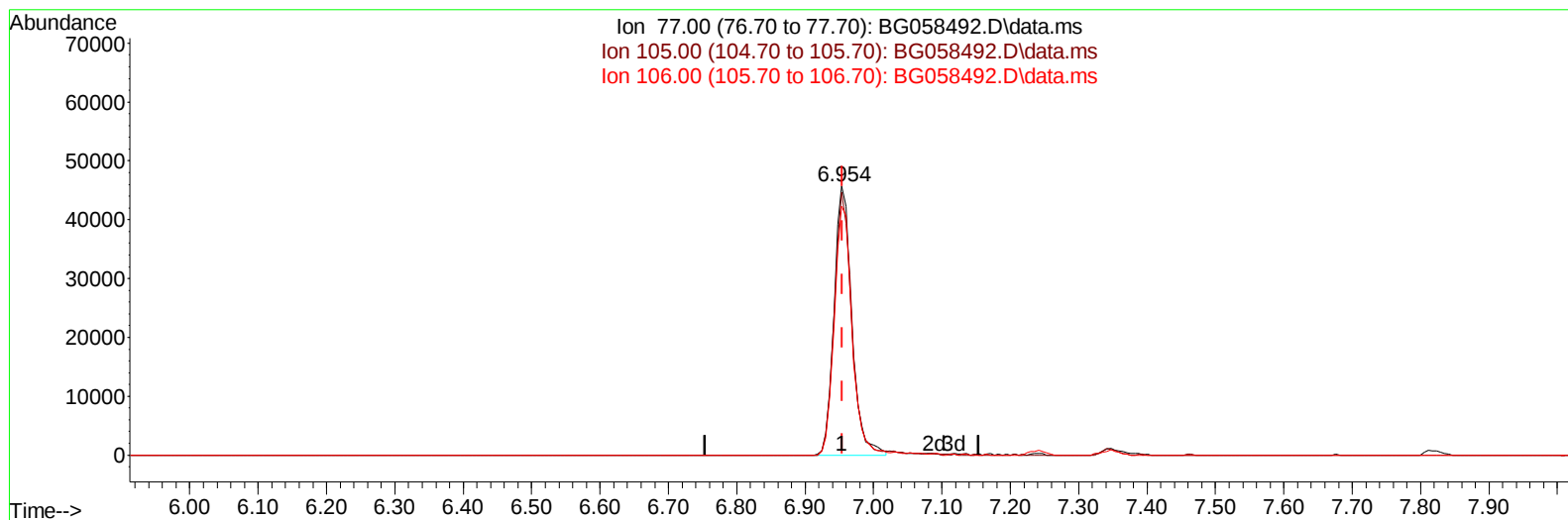
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072623\
 Data File : BG058492.D
 Acq On : 27 Jul 2023 00:04
 Operator : MA/JU
 Sample : 03553-10MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4701MS

Manual IntegrationsAPPROVED

Quant Time: Jul 27 02:18:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 26 17:43:09 2023
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Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023



TIC: BG058492.D\data.ms

(6) Benzaldehyde

6.954min (-0.001) 54.44 ng/u1

response 82153

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	97.80	97.65
106.00	89.50	92.56
0.00	0.00	0.00

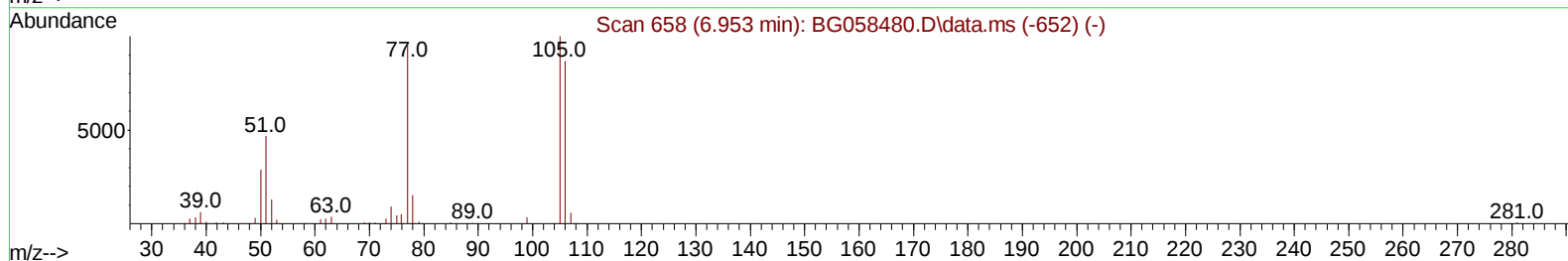
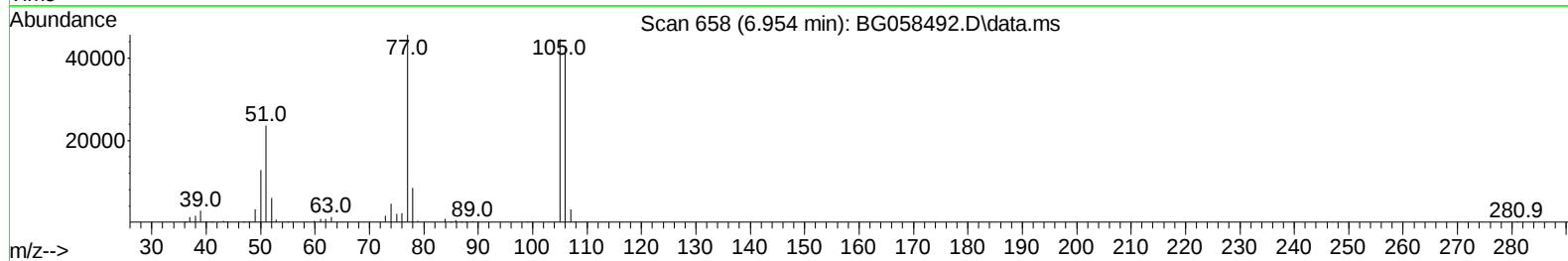
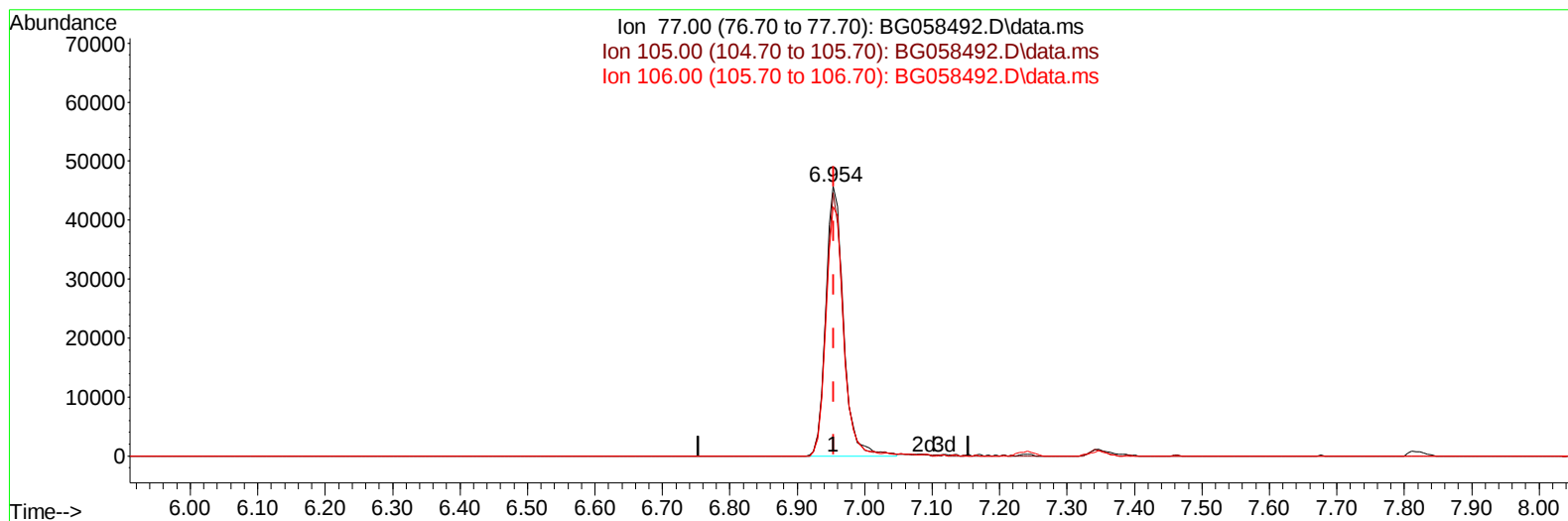
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072623\
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TIC: BG058492.D\data.ms

(6) Benzaldehyde

6.954min (-0.001) 54.98 ng/u1 m

response 82977

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	97.80	97.65
106.00	89.50	92.56
0.00	0.00	0.00

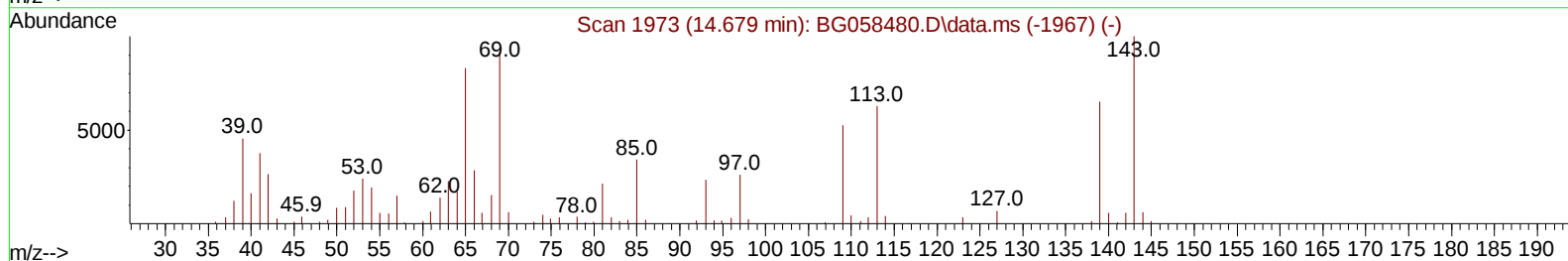
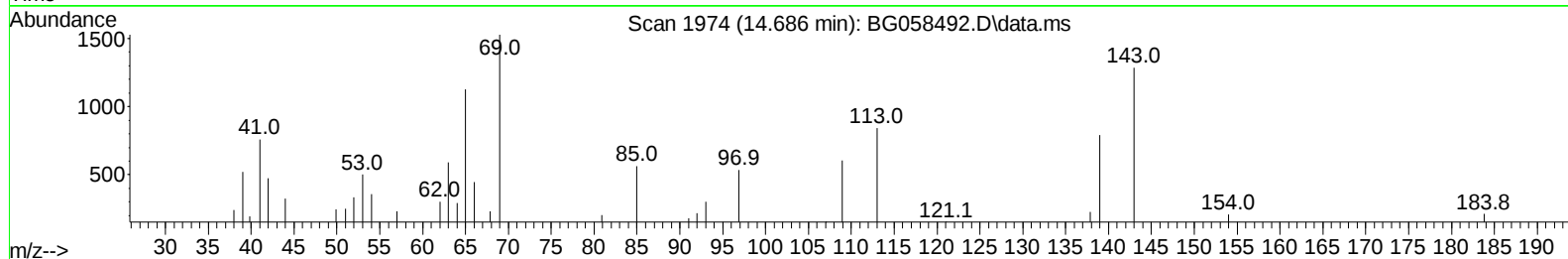
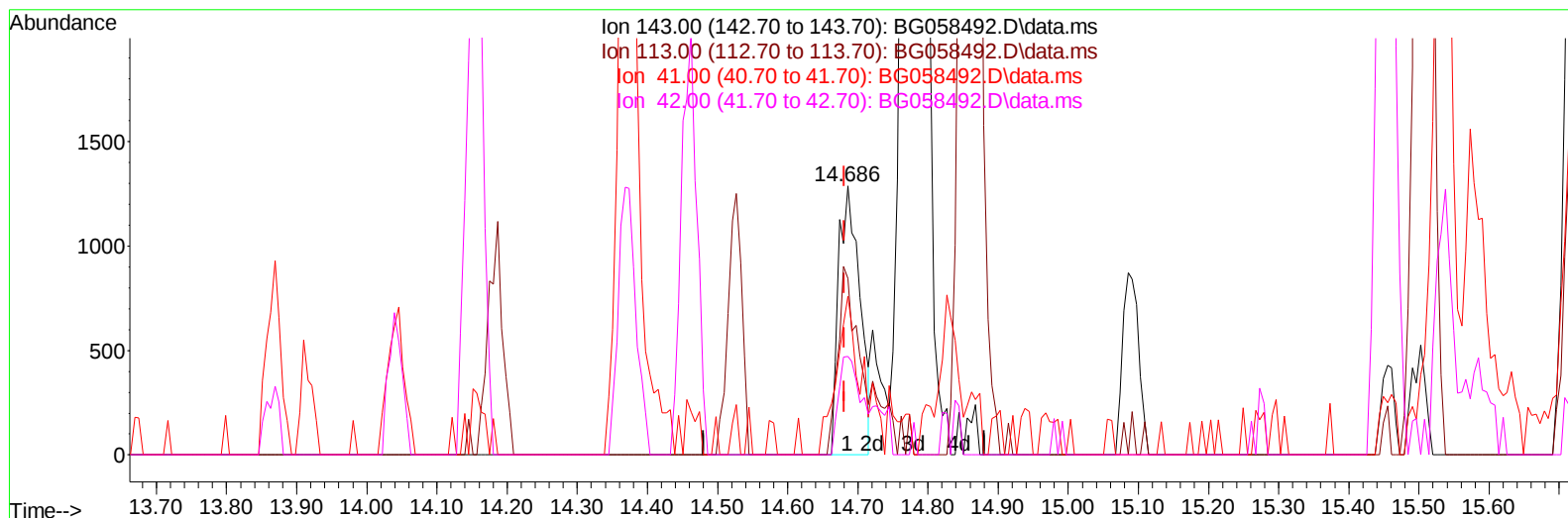
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TIC: BG058492.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.686min (+ 0.005) 2.06 ng/u1

response 2707

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	67.80	65.55
41.00	46.40	59.10#
42.00	30.60	36.70

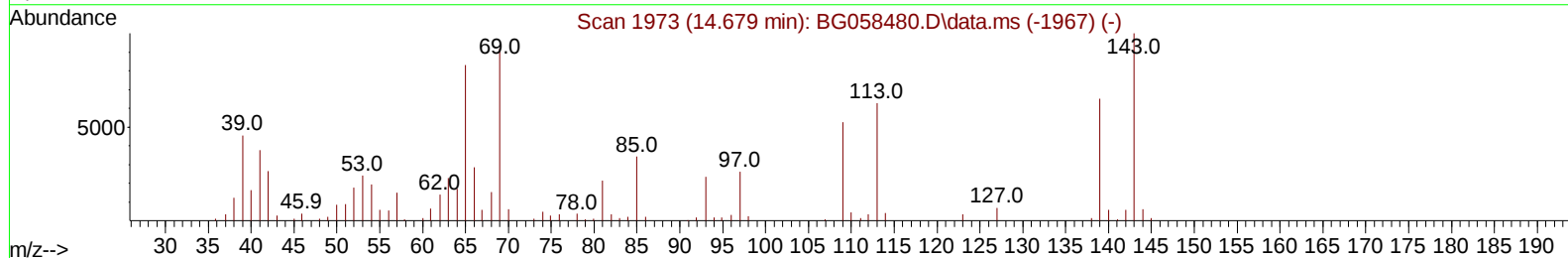
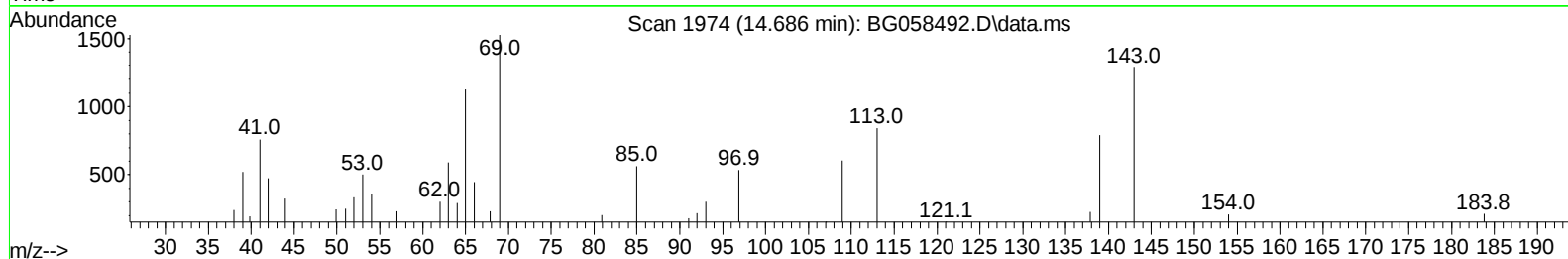
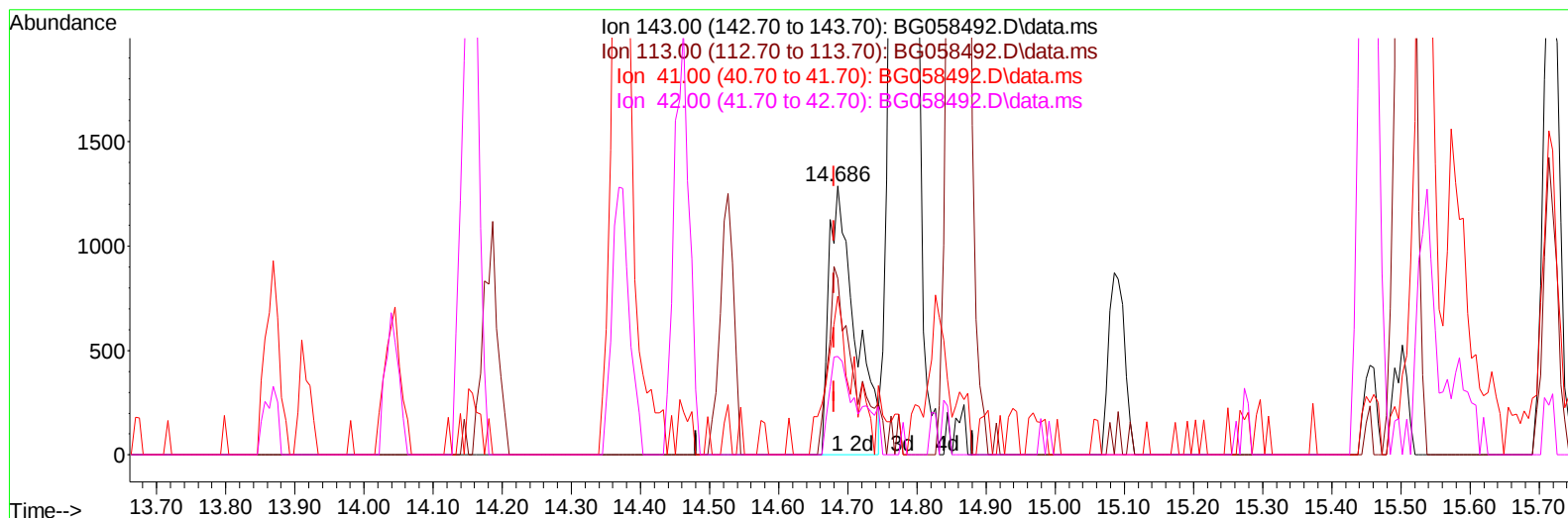
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072623\
Data File : BG058492.D
Acq On : 27 Jul 2023 00:04
Operator : MA/JU
Sample : 03553-10MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/28/2023
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TIC: BG058492.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.686min (+ 0.005) 2.58 ng/ul m

response 3385

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	67.80	65.55
41.00	46.40	59.10#
42.00	30.60	36.70

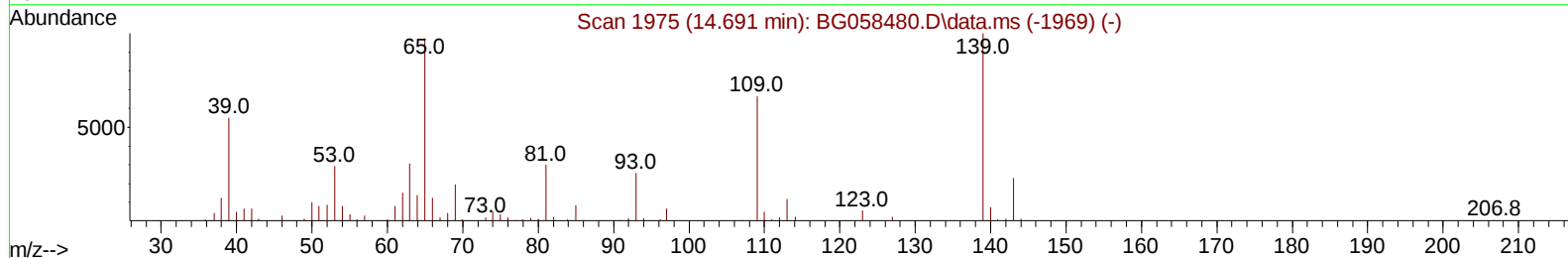
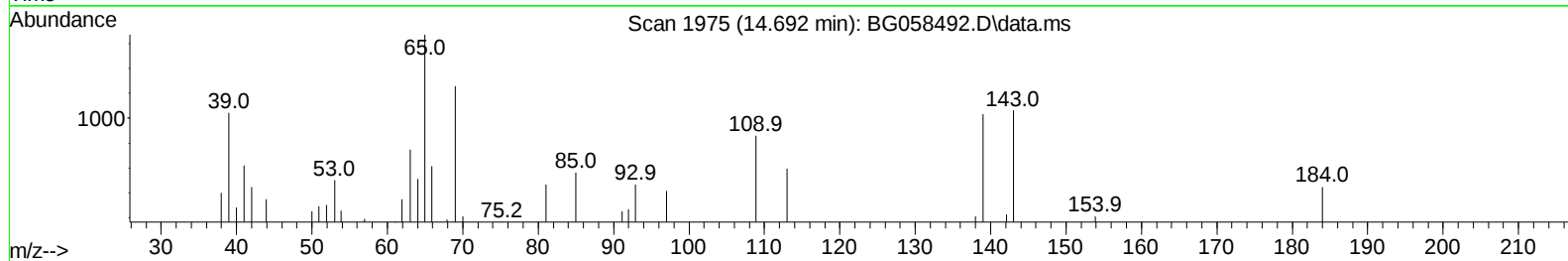
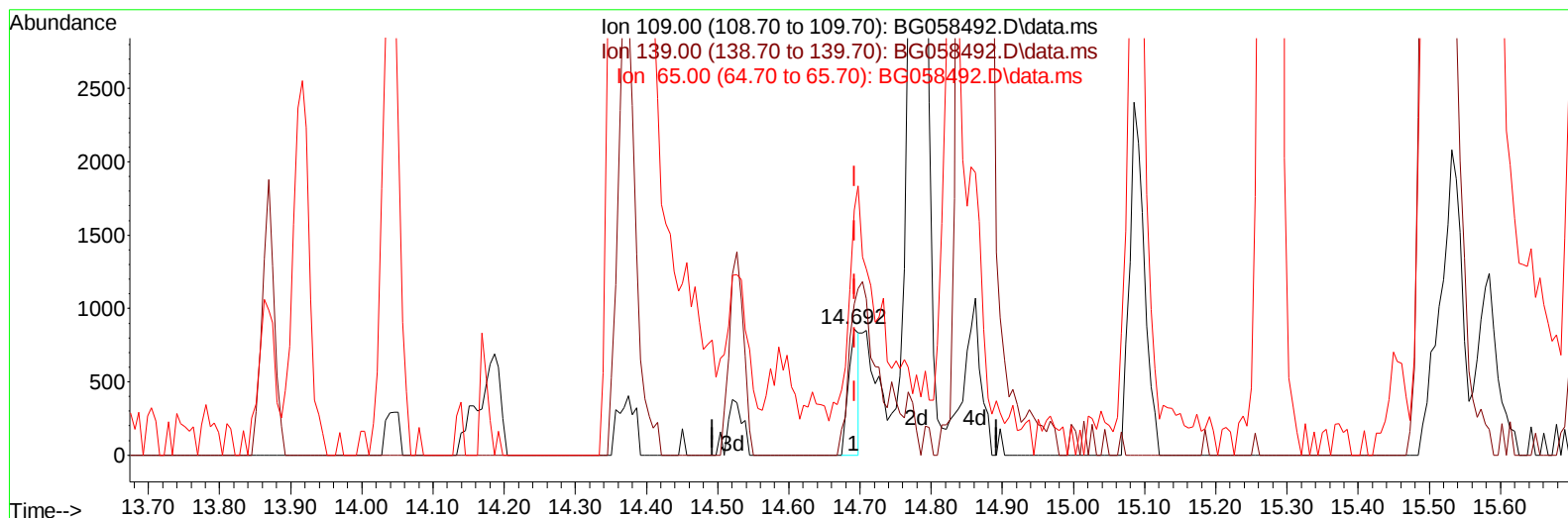
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072623\
 Data File : BG058492.D
 Acq On : 27 Jul 2023 00:04
 Operator : MA/JU
 Sample : 03553-10MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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TIC: BG058492.D\data.ms

(55) 4-Nitrophenol

14.692min (-0.001) 0.90 ng/u1

response 907

Ion	Exp%	Act%
109.00	100.00	100.00
139.00	125.40	119.86
65.00	150.70	194.08#
0.00	0.00	0.00

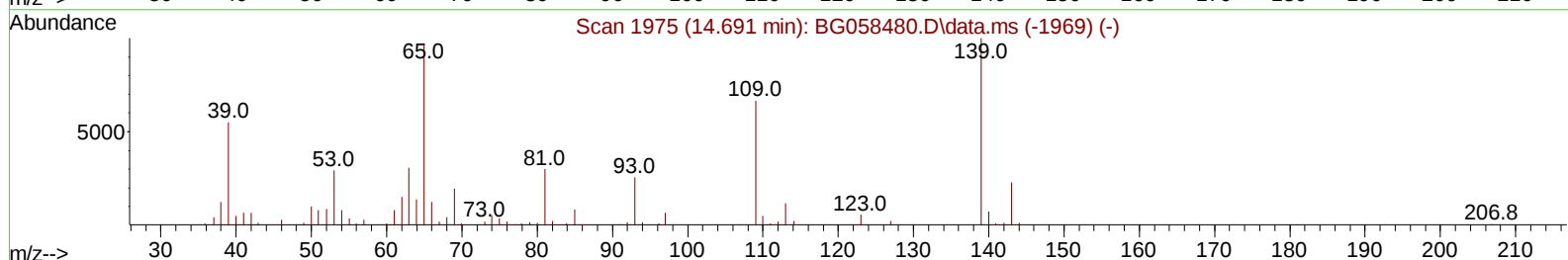
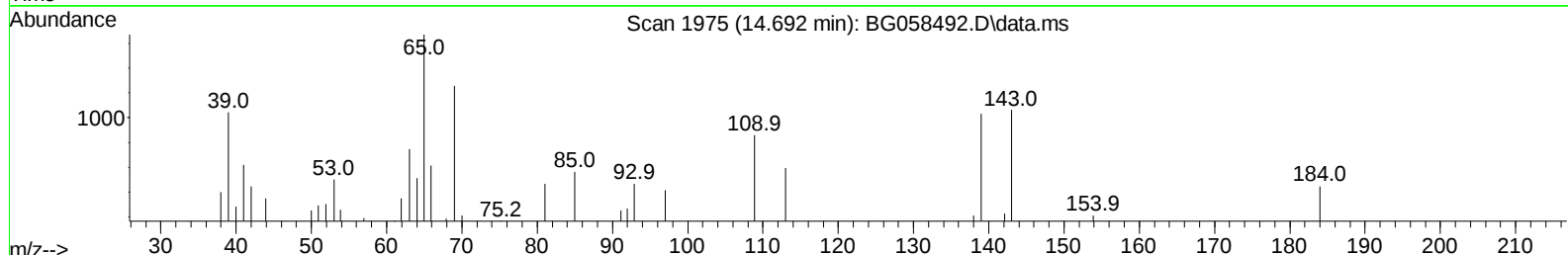
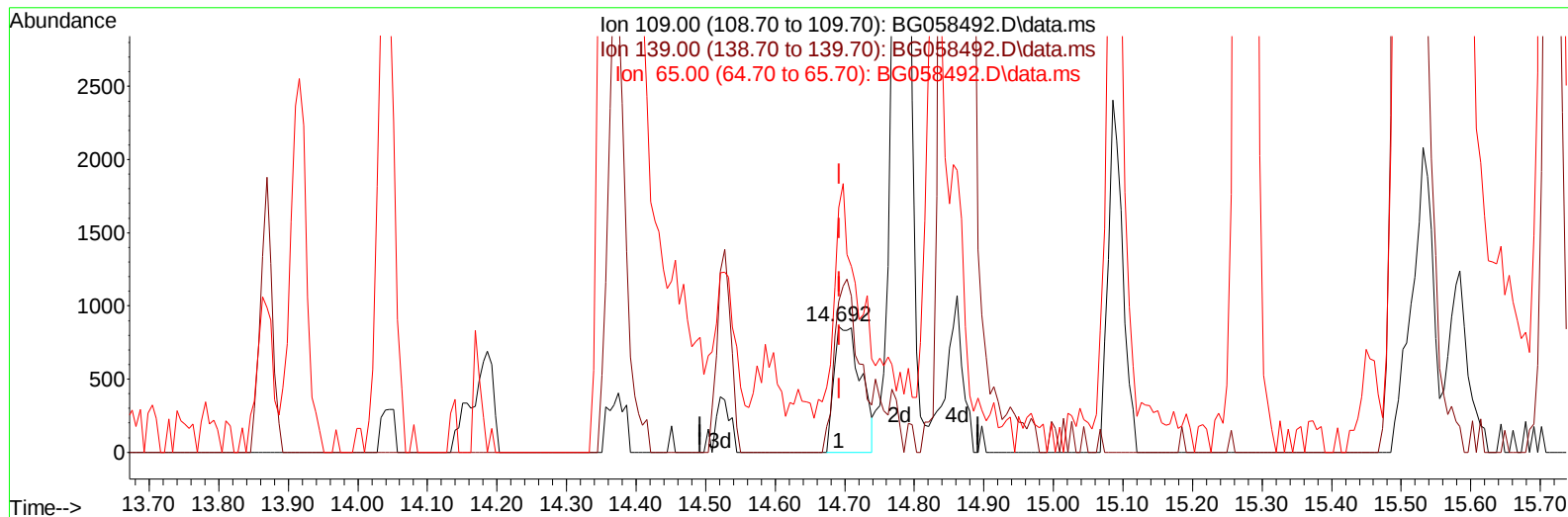
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072623\
 Data File : BG058492.D
 Acq On : 27 Jul 2023 00:04
 Operator : MA/JU
 Sample : 03553-10MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4701MS

Manual IntegrationsAPPROVED

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TIC: BG058492.D\data.ms

(55) 4-Nitrophenol

14.692min (-0.001) 2.27 ng/ul m

response 2292

Ion	Exp%	Act%
109.00	100.00	100.00
139.00	125.40	119.86
65.00	150.70	194.08#
0.00	0.00	0.00

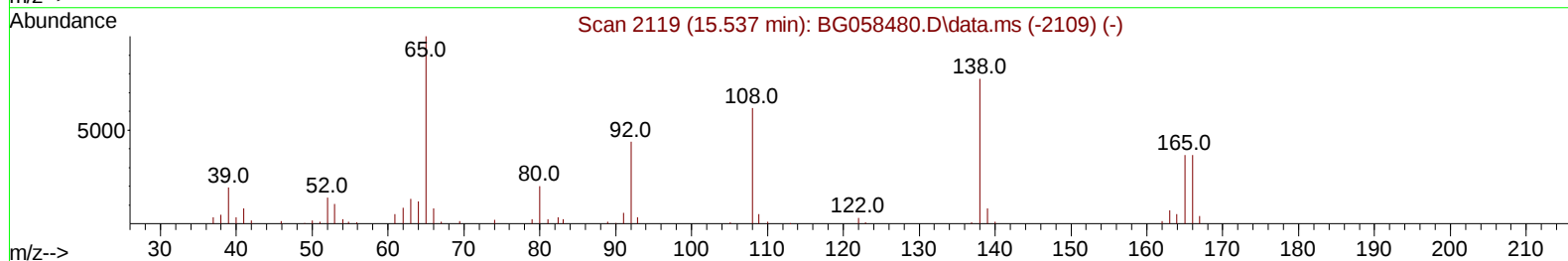
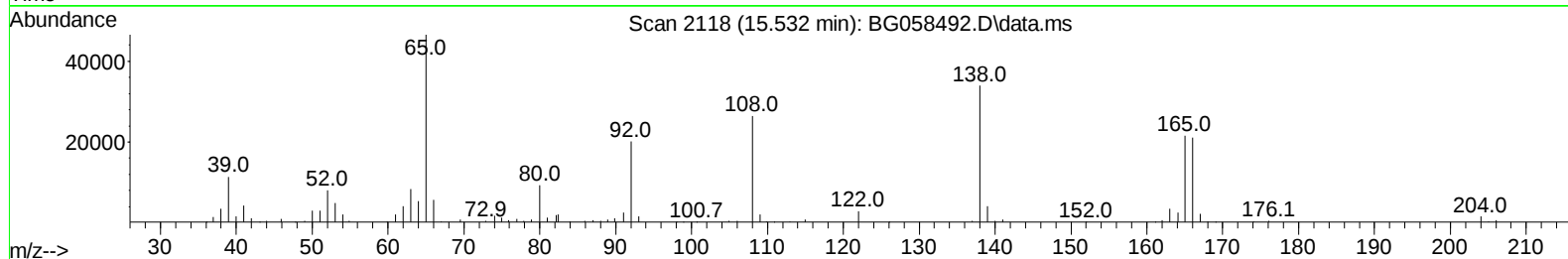
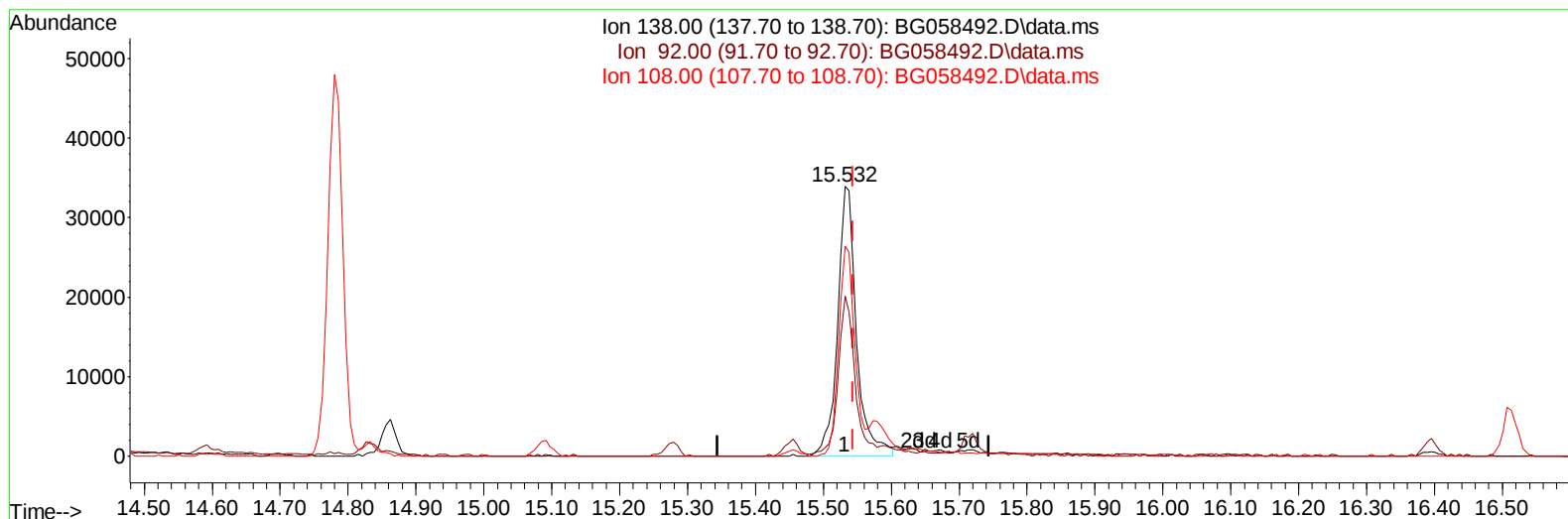
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072623\
 Data File : BG058492.D
 Acq On : 27 Jul 2023 00:04
 Operator : MA/JU
 Sample : 03553-10MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BG058492.D\data.ms

(63) 4-Nitroaniline

15.532min (-0.013) 51.79 ng/ul

response 65800

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	56.20	59.35
108.00	76.00	77.91
0.00	0.00	0.00

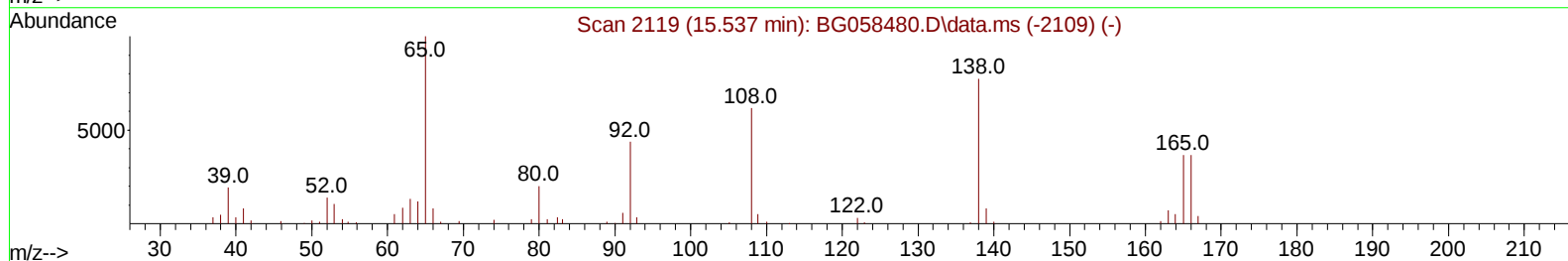
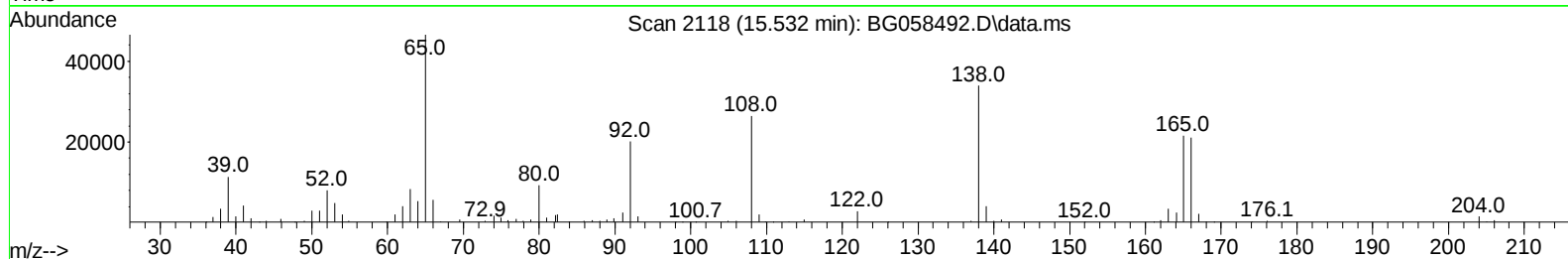
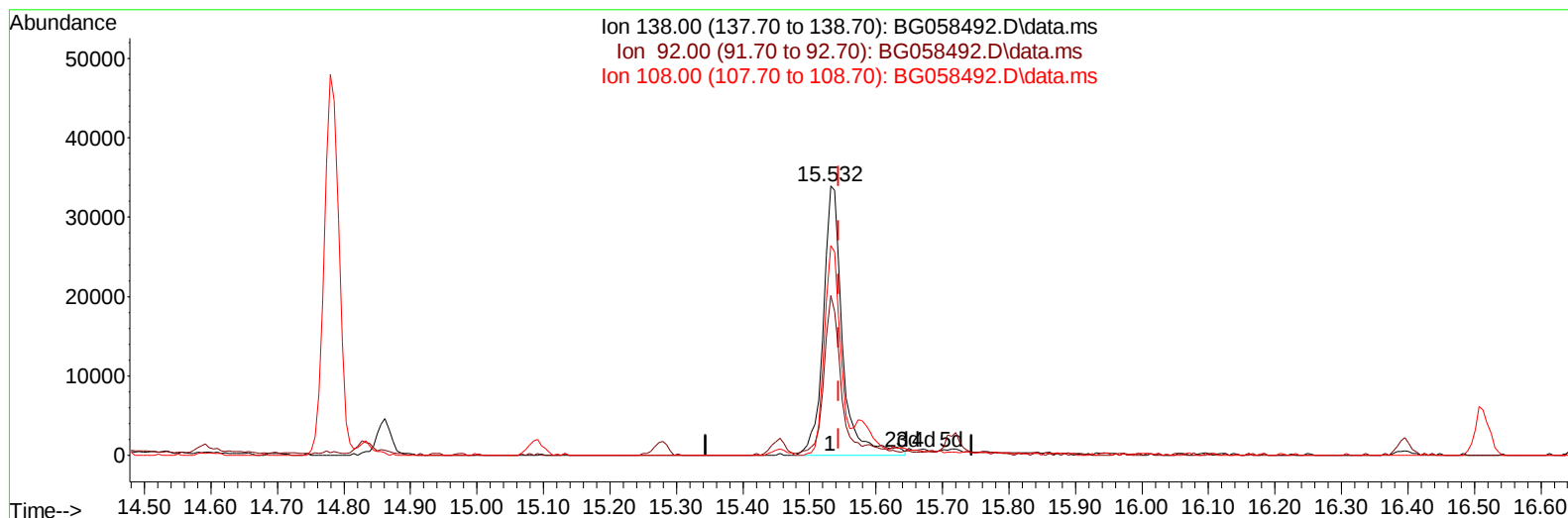
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Data File : BG058492.D
Acq On : 27 Jul 2023 00:04
Operator : MA/JU
Sample : 03553-10MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4701MS

Manual IntegrationsAPPROVED

Quant Time: Jul 27 02:18:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
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QLast Update : Wed Jul 26 17:43:09 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/28/2023
Supervised By :mohammad ahmed 07/28/2023



TIC: BG058492.D\data.ms

(63) 4-Nitroaniline

15.532min (-0.013) 53.52 ng/ul m

response 68009

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	56.20	59.35
108.00	76.00	77.91
0.00	0.00	0.00

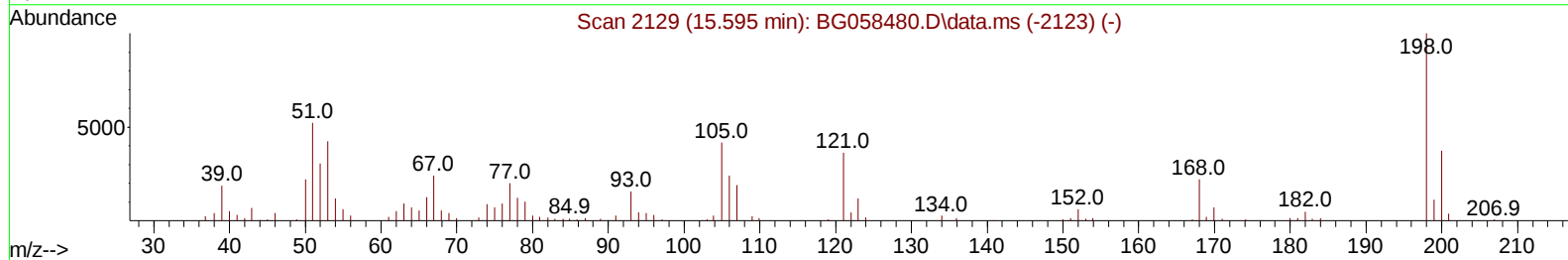
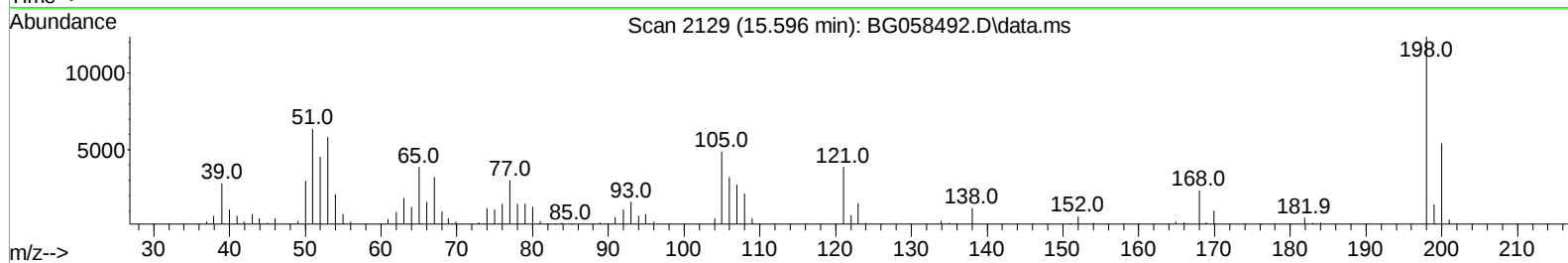
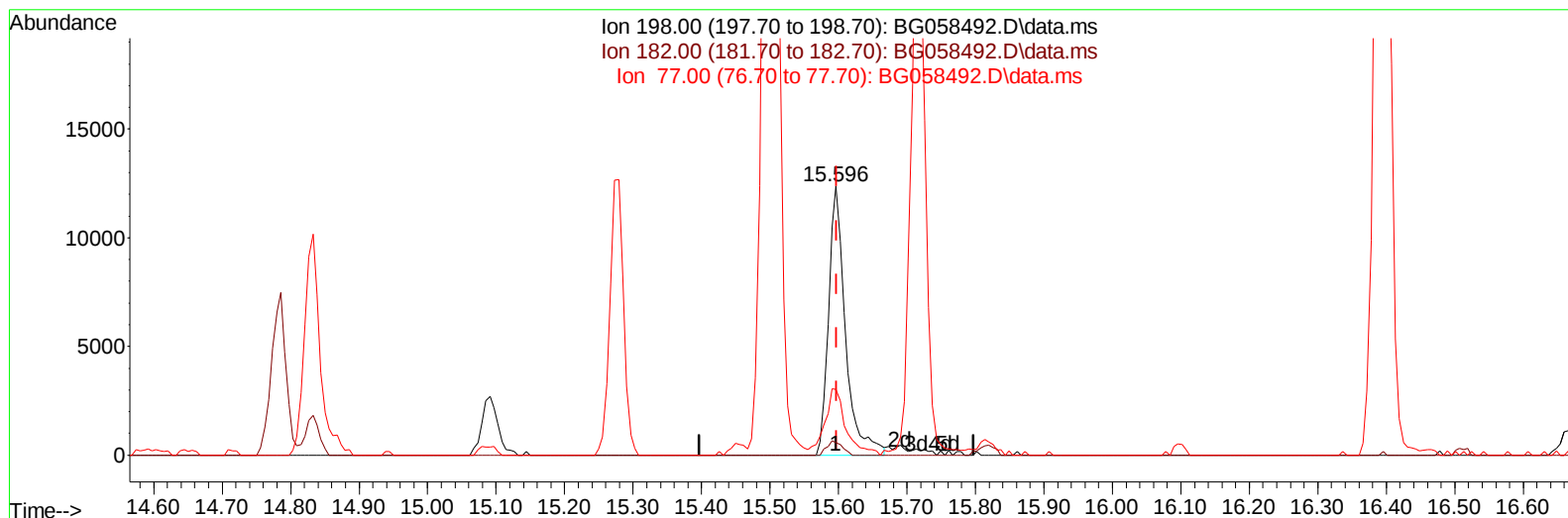
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 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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TIC: BG058492.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.596min (-0.001) 14.72 ng/ul m

response 21230

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.30	4.58
77.00	23.00	24.50
0.00	0.00	0.00

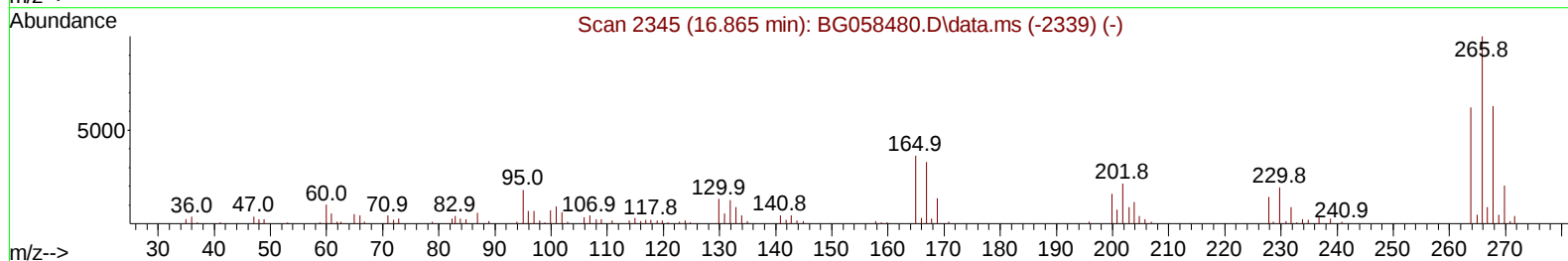
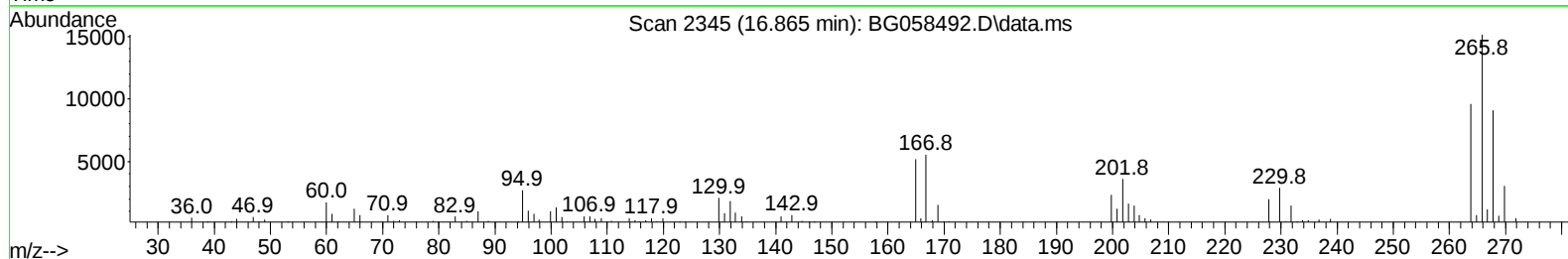
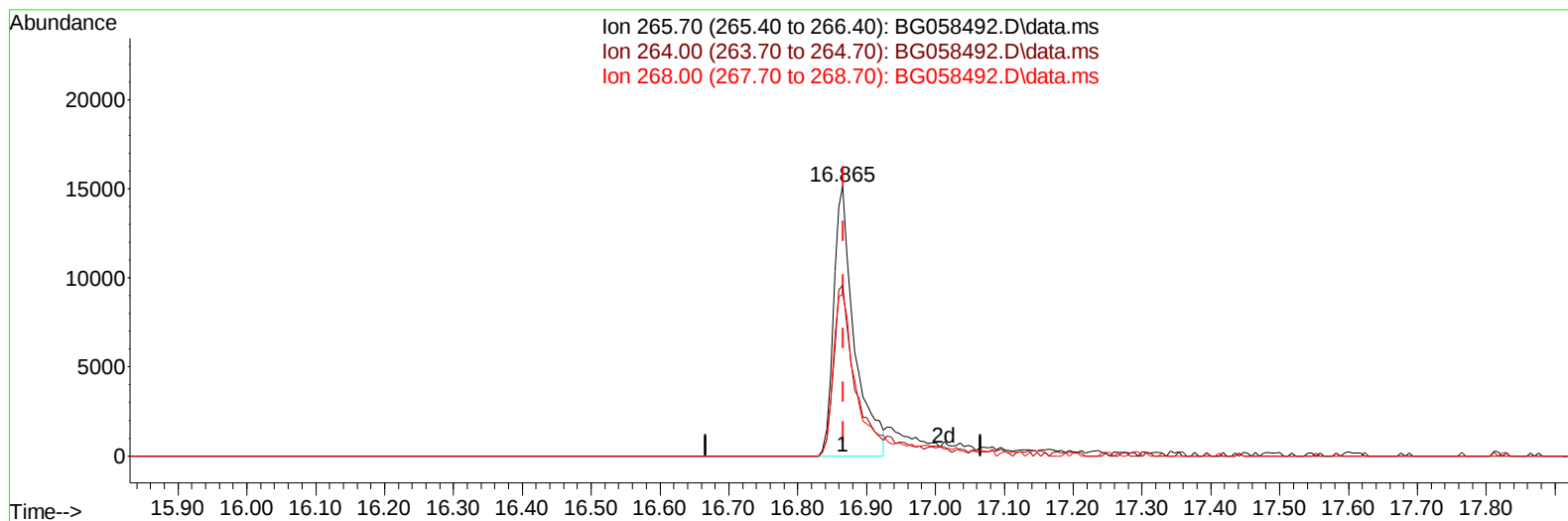
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Manual IntegrationsAPPROVED

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TIC: BG058492.D\data.ms

(71) Pentachlorophenol (C)

16.865min (-0.001) 17.15 ng/u1

response 31648

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	58.30	63.32
268.00	59.50	60.09
0.00	0.00	0.00

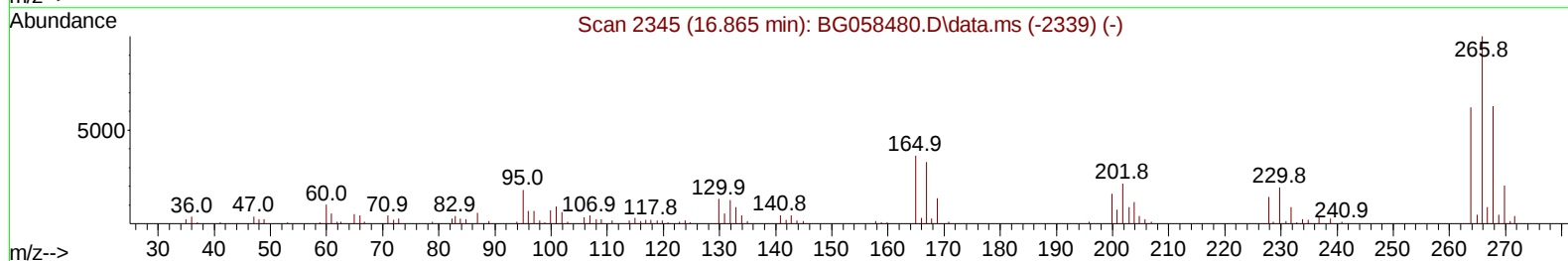
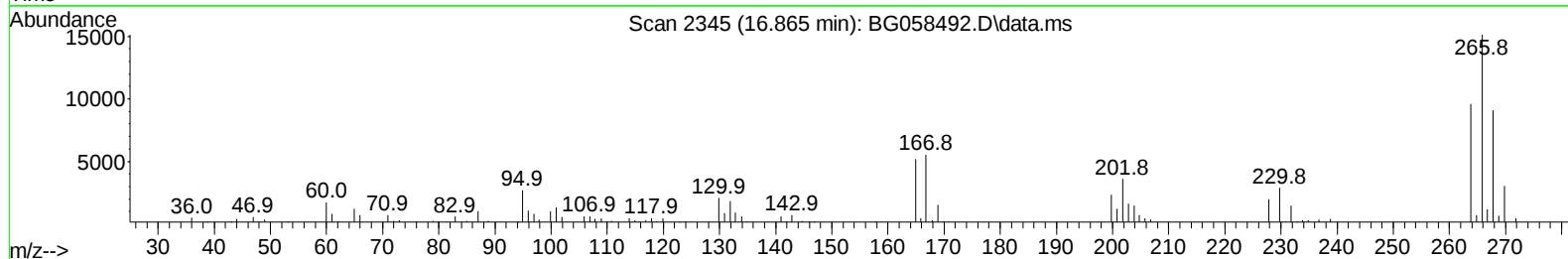
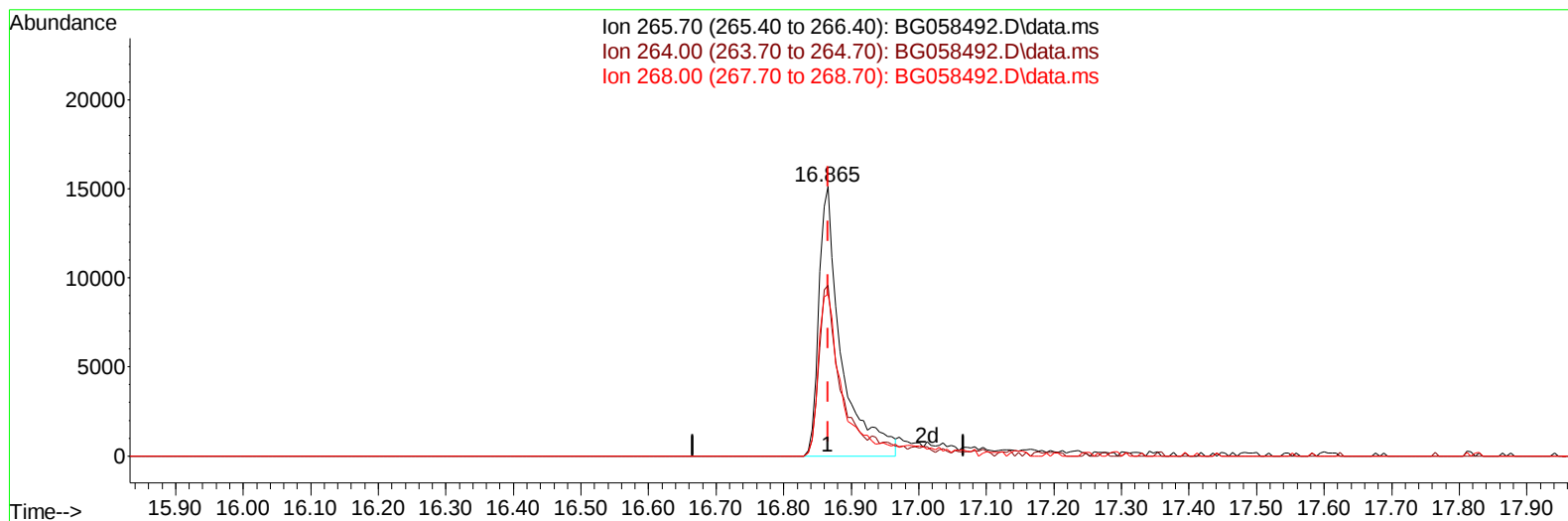
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Data File : BG058492.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BG058492.D\data.ms

(71) Pentachlorophenol (C)

16.865min (-0.001) 18.86 ng/ul m

response 34803

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	58.30	63.32
268.00	59.50	60.09
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : 03553-10MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4701MS

Manual IntegrationsAPPROVED

Quant Time: Jul 27 04:02:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
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Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	39391	20.000	ng/ul	0.00
20) Naphthalene-d8	10.614	136	165726	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.462	164	112576	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.206	188	275113	20.000	ng/ul	0.00
79) Chrysene-d12	21.448	240	238500	20.000	ng/ul	0.00
88) Perylene-d12	24.515	264	298602	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	6070	5.672	ng/uL	0.00
4) Pyridine-d5	3.652	84	46854	14.750	ng/ul	0.00
7) Phenol-d5	6.983	99	25787	6.901	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.142	67	101175	43.319	ng/ul	0.00
11) 2-Chlorophenol-d4	7.347	132	76444	29.225	ng/ul	0.00
15) 4-Methylphenol-d8	8.528	113	48913	17.161	ng/ul	0.00
21) Nitrobenzene-d5	8.981	128	57587	46.358	ng/ul	0.00
24) 2-Nitrophenol-d4	9.697	143	36272	26.746	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.238	165	93158	35.834	ng/ul	0.00
31) 4-Chloroaniline-d4	10.755	131	137010	36.354	ng/ul	0.00
46) Dimethylphthalate-d6	13.869	166	388606	44.765	ng/ul	0.00
49) Acenaphthylene-d8	14.157	160	423173	46.516	ng/ul	0.00
54) 4-Nitrophenol-d4	14.686	143	3385m	2.582	ng/ul	0.00
60) Fluorene-d10	15.455	176	340502	47.376	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.579	200	21721	15.497	ng/ul	0.00
73) Anthracene-d10	17.306	188	573229	48.222	ng/ul	0.00
81) Pyrene-d10	19.598	212	691509	49.090	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.310	264	727509	50.408	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.275	88	7950	6.549	ng/ul#	88
5) Pyridine	3.675	79	50889	15.169	ng/ul	92
6) Benzaldehyde	6.954	77	82977m	54.985	ng/ul	
8) Phenol	7.012	94	26612	6.858	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.236	93	120164	40.421	ng/ul	98
12) 2-Chlorophenol	7.377	128	74115	27.069	ng/ul	100
13) 2-Methylphenol	8.264	108	63623	21.036	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.340	45	191642	39.337	ng/ul	99
16) Acetophenone	8.640	105	185186	38.151	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.622	70	99144	37.319	ng/ul	99
18) 4-Methylphenol	8.593	108	55424	16.862	ng/ul	97
19) Hexachloroethane	8.892	117	32595	30.202	ng/ul	90
22) Nitrobenzene	9.022	77	139503	42.112	ng/ul	98
23) Isophorone	9.539	82	290302	39.088	ng/ul	100
25) 2-Nitrophenol	9.733	139	34686	23.945	ng/ul	95
26) 2,4-Dimethylphenol	9.791	107	91265	28.256	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.026	93	163011	41.443	ng/ul	98
29) 2,4-Dichlorophenol	10.267	162	83642	33.898	ng/ul	94
30) Naphthalene	10.667	128	340112	38.395	ng/ul	99
32) 4-Chloroaniline	10.778	127	109790	28.503	ng/ul	98
33) Hexachlorobutadiene	10.949	225	62962	35.685	ng/ul	99
34) Caprolactam	11.531	113	5458	5.326	ng/ul	82
35) 4-Chloro-3-methylphenol	11.907	107	93328	29.721	ng/ul	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072623\
 Data File : BG058492.D
 Acq On : 27 Jul 2023 00:04
 Operator : MA/JU
 Sample : 03553-10MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4701MS

Manual IntegrationsAPPROVED

Quant Time: Jul 27 04:02:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 26 17:43:09 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/28/2023
 Supervised By :mohammad ahmed 07/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.277	142	231677	39.037	ng/ul	98
37) 1-Methylnaphthalene	12.500	142	236284	38.846	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.653	216	143235	43.952	ng/ul	98
40) Hexachlorocyclopentadiene	12.623	237	28949	16.516	ng/ul	96
41) 2,4,6-Trichlorophenol	12.894	196	82111	37.220	ng/ul	98
42) 2,4,5-Trichlorophenol	12.970	196	75839	32.239	ng/ul	95
43) 1,1'-Biphenyl	13.293	154	324463	42.623	ng/ul	98
44) 2-Chloronaphthalene	13.334	162	259524	42.879	ng/ul	95
45) 2-Nitroaniline	13.546	65	97645	46.445	ng/ul	98
47) Dimethylphthalate	13.916	163	363052	41.636	ng/ul	99
48) 2,6-Dinitrotoluene	14.039	165	80137	47.559	ng/ul	96
50) Acenaphthylene	14.186	152	427642	43.548	ng/ul	99
51) 3-Nitroaniline	14.368	138	67860	48.326	ng/ul	93
52) Acenaphthene	14.527	153	296243	43.450	ng/ul	99
53) 2,4-Dinitrophenol	14.586	184	8649	9.645	ng/ul	95
55) 4-Nitrophenol	14.692	109	2292m	2.270	ng/ul	
56) Dibenzofuran	14.862	168	421091	43.375	ng/ul	98
57) 2,4-Dinitrotoluene	14.833	165	113059	46.521	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.091	232	73159	33.661	ng/ul	99
59) Diethylphthalate	15.279	149	385497	42.914	ng/ul	99
61) Fluorene	15.508	166	351071	44.097	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.502	204	188582	44.619	ng/ul	97
63) 4-Nitroaniline	15.532	138	68009m	53.525	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.596	198	21230m	14.722	ng/ul	
67) N-Nitrosodiphenylamine	15.720	169	304361	44.631	ng/ul	99
68) 4-Bromophenyl-phenylether	16.395	248	135117	46.368	ng/ul	99
69) Hexachlorobenzene	16.513	284	153765	46.764	ng/ul	99
70) Atrazine	16.666	200	69024	25.816	ng/ul	95
71) Pentachlorophenol	16.865	266	34803m	18.856	ng/ul	
72) Phenanthrene	17.247	178	595169	45.523	ng/ul	98
74) Anthracene	17.341	178	586586	44.692	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.258	216	152817	44.284	ng/uL	96
76) Pentachlorobenzene	14.786	250	384982	102.019	ng/uL	98
77) Carbazole	17.612	167	542424	47.675	ng/ul	98
78) Di-n-butylphthalate	18.164	149	740975	51.253	ng/ul	99
80) Fluoranthene	19.263	202	730019	45.237	ng/ul	100
82) Pyrene	19.627	202	730619	44.682	ng/ul	99
83) Butylbenzylphthalate	20.514	149	318844	49.520	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.348	252	253773	47.666	ng/ul	97
85) Benzo(a)anthracene	21.431	228	760855	47.462	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.331	149	448009	48.920	ng/ul	99
87) Chrysene	21.495	228	714613	46.997	ng/ul	99
89) Di-n-octyl phthalate	22.482	149	795719	50.084	ng/ul	100
90) Benzo(b)fluoranthene	23.540	252	803493	46.507	ng/ul	100
91) Benzo(k)fluoranthene	23.605	252	798293	46.329	ng/ul	99
93) Benzo(a)pyrene	24.374	252	688732	44.820	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.011	276	768686	37.967	ng/ul	99
95) Dibenzo(a,h)anthracene	28.064	278	658864	39.685	ng/ul	99
96) Benzo(g,h,i)perylene	29.098	276	561615	34.047	ng/ul	98

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

Instrument :

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