

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030322\
 Data File : BG052570.D
 Acq On : 4 Mar 2022 1:41
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020534

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/07/2022

Supervised By :mohammad ahmed 03/07/2022

Quant Time: Mar 04 10:41:24 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022222.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Feb 22 17:32:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.213	152	29197	20.000	ng/u1	-0.01
20) Naphthalene-d8	11.056	136	128188	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.863	164	96887	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.612	188	236161	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.930	240	234680	20.000	ng/u1	# 0.00
88) Perylene-d12	25.390	264	237112	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.537	96	6260	8.411	ng/uL	0.00
4) Pyridine-d5	3.972	84	49927	22.235	ng/u1	0.00
7) Phenol-d5	7.361	99	60846	21.977	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.520	67	36205	22.377	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.743	132	42348	21.777	ng/u1	0.00
15) 4-Methylphenol-d8	8.924	113	48341	22.441	ng/u1	-0.01
21) Nitrobenzene-d5	9.388	128	24437	22.362	ng/u1	-0.01
24) 2-Nitrophenol-d4	10.122	143	27111	22.649	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.668	165	51998	23.295	ng/u1	0.00
31) 4-Chloroaniline-d4	11.179	131	74521	24.091	ng/u1	-0.01
46) Dimethylphthalate-d6	14.252	166	171976	21.835	ng/u1	0.00
49) Acenaphthylene-d8	14.557	160	216652	22.282	ng/u1	0.00
54) 4-Nitrophenol-d4	15.057	143	26081m	20.830	ng/u1	0.00
60) Fluorene-d10	15.850	176	154577	22.340	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.967	200	31469	21.015	ng/u1	0.00
73) Anthracene-d10	17.712	188	250785	21.981	ng/u1	0.00
81) Pyrene-d10	19.991	212	303071	22.070	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.149	264	283403	22.279	ng/u1	-0.01
Target Compounds						
2) 1,4-Dioxane	3.578	88	7249	8.371	ng/uL#	85
5) Pyridine	3.989	79	50542m	22.295	ng/u1	
6) Benzaldehyde	7.338	77	32725	20.815	ng/u1	93
8) Phenol	7.390	94	62722	22.399	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.614	93	46274	22.342	ng/u1	95
12) 2-Chlorophenol	7.778	128	45374	22.397	ng/u1	94
13) 2-Methylphenol	8.659	108	46796	22.077	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.742	45	62332	21.989	ng/u1	99
16) Acetophenone	9.041	105	78336	23.604	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.018	70	44106	22.574	ng/u1	98
18) 4-Methylphenol	8.988	108	51370	22.788	ng/u1	88
19) Hexachloroethane	9.317	117	17395	21.961	ng/u1#	75
22) Nitrobenzene	9.429	77	63858	22.795	ng/u1#	97
23) Isophorone	9.958	82	122490	22.665	ng/u1#	94
25) 2-Nitrophenol	10.151	139	28516	22.670	ng/u1	97
26) 2,4-Dimethylphenol	10.204	107	58704	22.690	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.433	93	66765	22.825	ng/u1	97
29) 2,4-Dichlorophenol	10.698	162	48727	23.075	ng/u1	92
30) Naphthalene	11.103	128	160528	22.509	ng/u1	97
32) 4-Chloroaniline	11.209	127	75496	23.791	ng/u1	98
33) Hexachlorobutadiene	11.391	225	35072	21.049	ng/u1	92
34) Caprolactam	11.955	113	16988m	21.625	ng/u1	
35) 4-Chloro-3-methylphenol	12.325	107	55088	23.357	ng/u1	89
36) 2-Methylnaphthalene	12.701	142	118402	23.170	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.918	142	118961	22.875	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.065	216	74013	21.767	ng/ul	96
40) Hexachlorocyclopentadiene	13.047	237	29561	17.959	ng/ul	96
41) 2,4,6-Trichlorophenol	13.300	196	44181	21.666	ng/ul	98
42) 2,4,5-Trichlorophenol	13.382	196	48647	22.381	ng/ul	100
43) 1,1'-Biphenyl	13.694	154	166589	21.624	ng/ul#	96
44) 2-Chloronaphthalene	13.741	162	129572	22.116	ng/ul	96
45) 2-Nitroaniline	13.940	65	41369	21.620	ng/ul	90
47) Dimethylphthalate	14.299	163	165465	21.491	ng/ul	99
48) 2,6-Dinitrotoluene	14.422	165	37199	22.063	ng/ul	89
50) Acenaphthylene	14.587	152	215979	22.228	ng/ul	98
51) 3-Nitroaniline	14.757	138	24222	17.641	ng/ul	99
52) Acenaphthene	14.927	153	139875	21.890	ng/ul	96
53) 2,4-Dinitrophenol	14.974	184	14901	17.873	ng/ul#	79
55) 4-Nitrophenol	15.068	109	24004	19.767	ng/ul	88
56) Dibenzofuran	15.256	168	202381	22.031	ng/ul	96
57) 2,4-Dinitrotoluene	15.215	165	54452	22.296	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.485	232	42425	21.536	ng/ul#	90
59) Diethylphthalate	15.656	149	169596	21.791	ng/ul	98
61) Fluorene	15.908	166	170610	22.080	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.891	204	91369	21.727	ng/ul	91
63) 4-Nitroaniline	15.914	138	18950m	14.374	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.979	198	30423	20.963	ng/ul#	97
67) N-Nitrosodiphenylamine	16.102	169	146342	21.993	ng/ul	95
68) 4-Bromophenyl-phenylether	16.789	248	62029	21.884	ng/ul#	87
69) Hexachlorobenzene	16.919	284	72366	22.250	ng/ul#	89
70) Atrazine	17.042	200	61767	21.063	ng/ul	99
71) Pentachlorophenol	17.265	266	27271m	18.617	ng/ul	
72) Phenanthrene	17.653	178	280306	22.038	ng/ul	99
74) Anthracene	17.747	178	281953	22.025	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.670	216	83230	22.279	ng/uL	100
76) Pentachlorobenzene	15.186	250	77824	21.820	ng/uL	99
77) Carbazole	18.011	167	253741	22.316	ng/ul	97
78) Di-n-butylphthalate	18.552	149	290096	21.453	ng/ul	99
80) Fluoranthene	19.656	202	369136	22.768	ng/ul#	91
82) Pyrene	20.020	202	358445	22.264	ng/ul#	89
83) Butylbenzylphthalate	20.884	149	125899	21.631	ng/ul#	92
84) 3,3'-Dichlorobenzidine	21.806	252	105696	20.389	ng/ul#	96
85) Benzo(a)anthracene	21.906	228	352157	22.146	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.783	149	173424	21.258	ng/ul#	97
87) Chrysene	21.977	228	337381	22.130	ng/ul	98
89) Di-n-octyl phthalate	23.069	149	295596	21.559	ng/ul	100
90) Benzo(b)fluoranthene	24.279	252	360676	21.817	ng/ul#	96
91) Benzo(k)fluoranthene	24.350	252	343744	22.543	ng/ul#	97
93) Benzo(a)pyrene	25.225	252	347270	22.330	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	29.378	276	396354	22.413	ng/ul#	91
95) Dibenzo(a,h)anthracene	29.443	278	337003	22.324	ng/ul#	93
96) Benzo(g,h,i)perylene	30.630	276	334217	22.509	ng/ul#	88

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

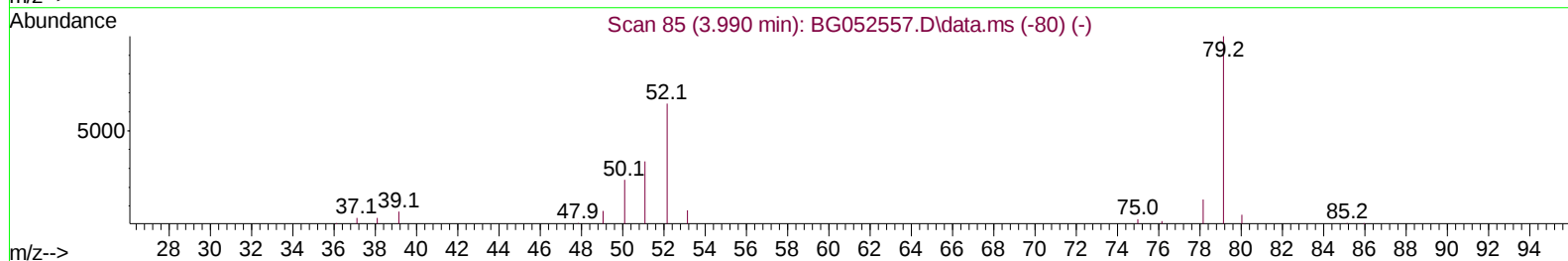
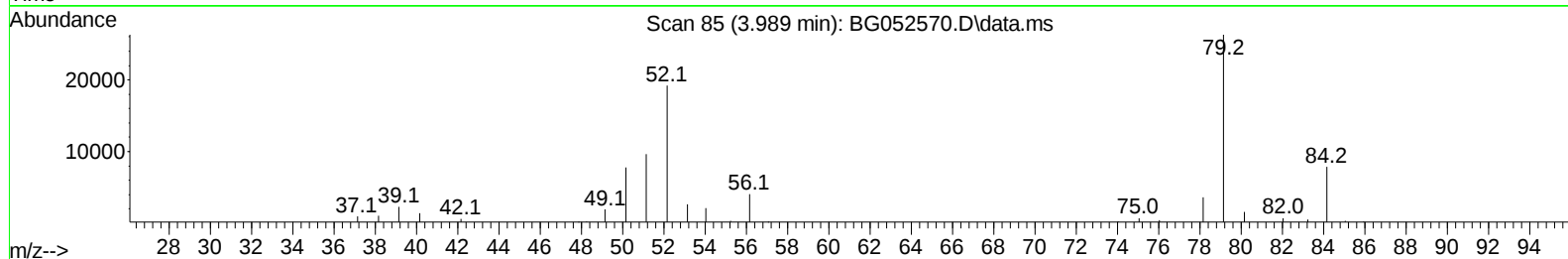
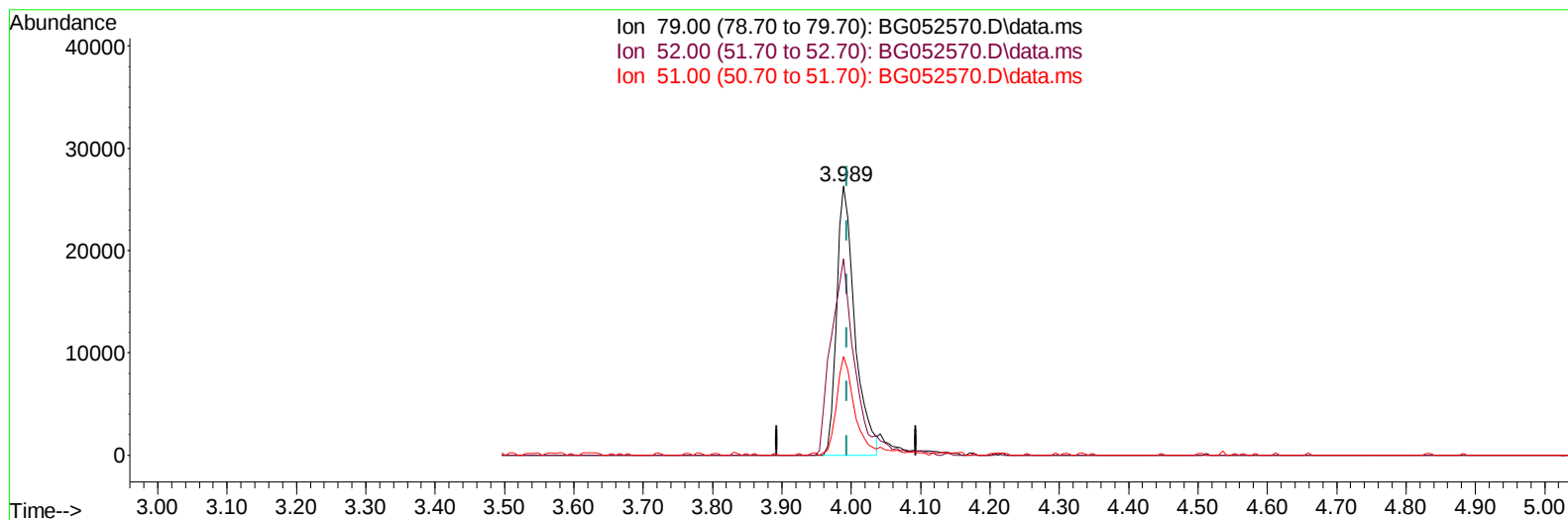
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Instrument :
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TIC: BG052570.D\data.ms

(5) Pyridine

3.989min (-0.005) 21.09 ng/u1

response 47812

Ion	Exp%	Act%
79.00	100.00	100.00
52.00	76.00	73.02
51.00	38.10	36.70
0.00	0.00	0.00

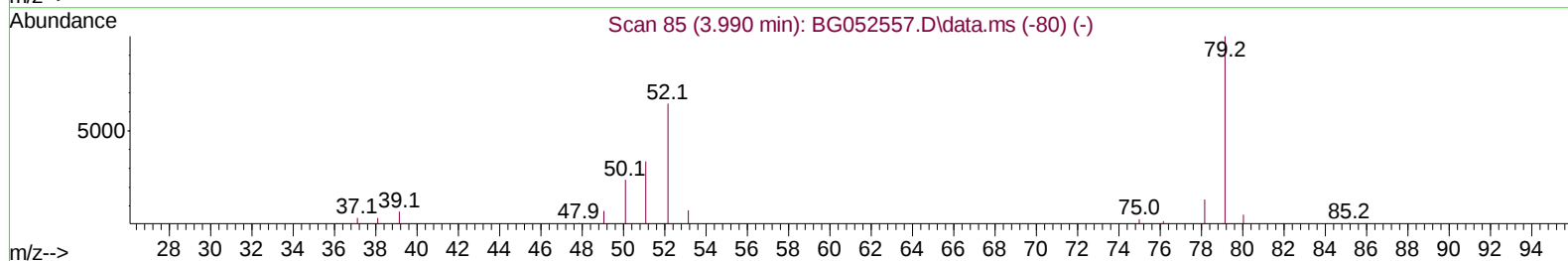
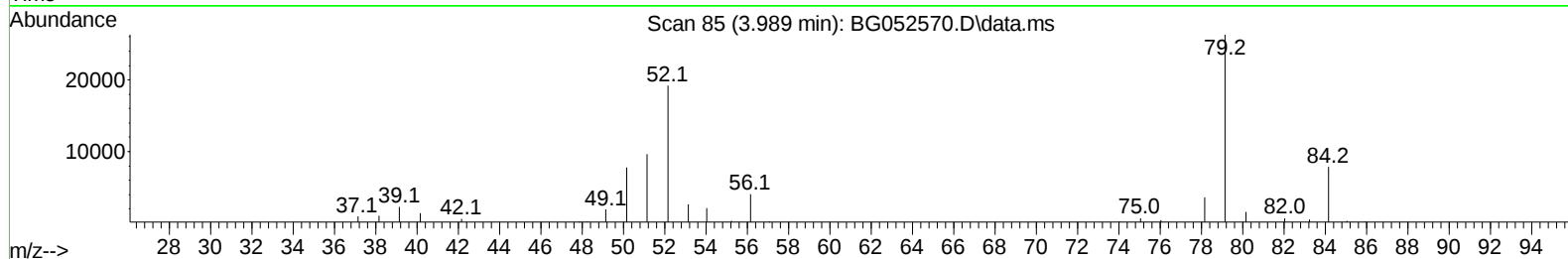
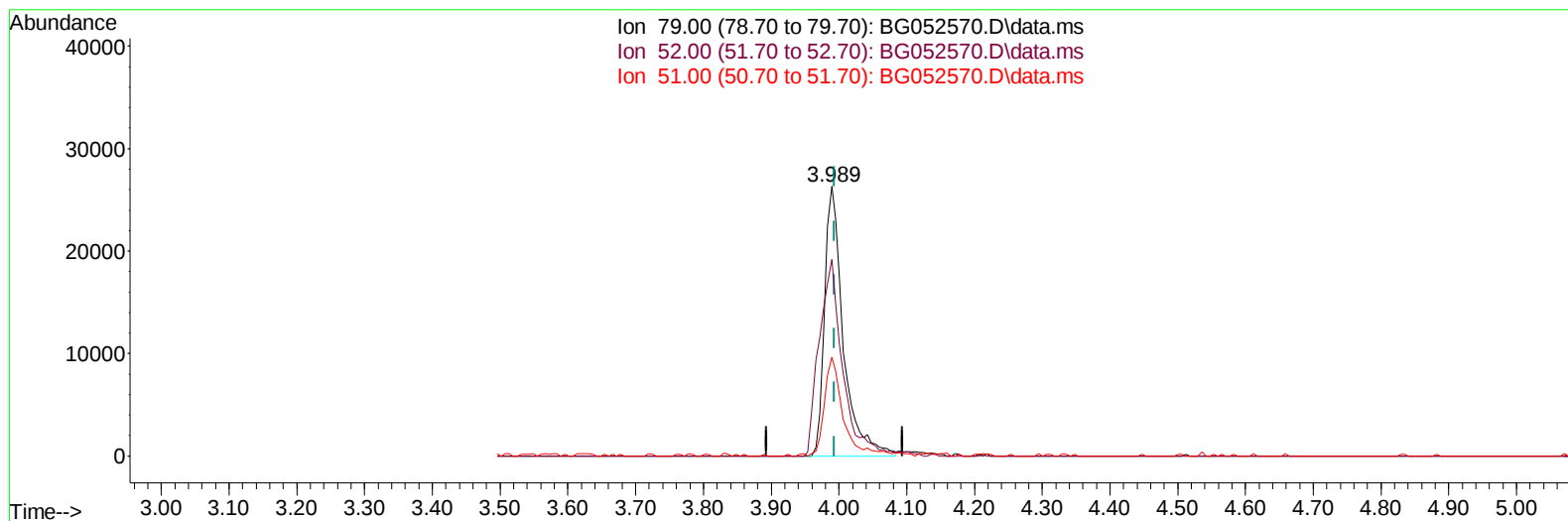
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TIC: BG052570.D\data.ms

(5) Pyridine

3.989min (-0.005) 22.29 ng/ul m

response 50542

Ion	Exp%	Act%
79.00	100.00	100.00
52.00	76.00	73.02
51.00	38.10	36.70
0.00	0.00	0.00

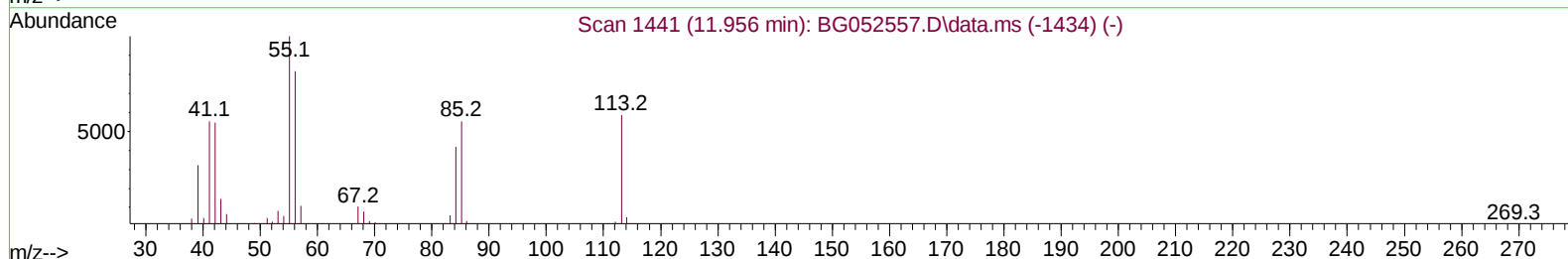
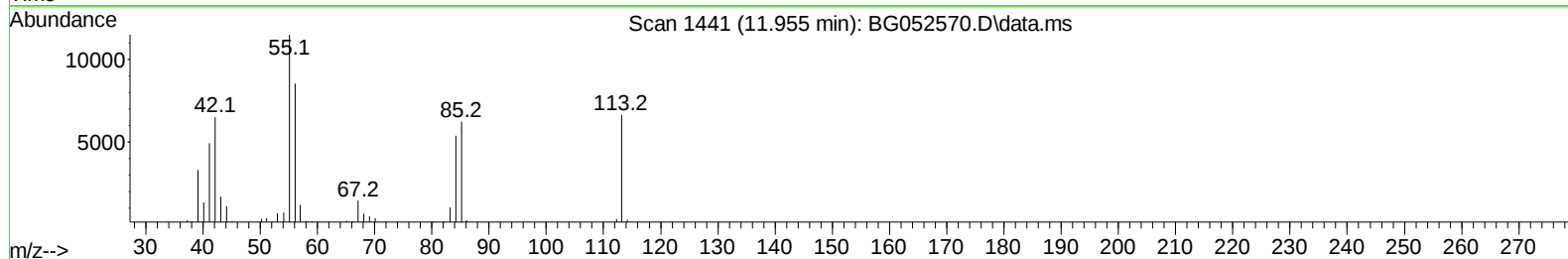
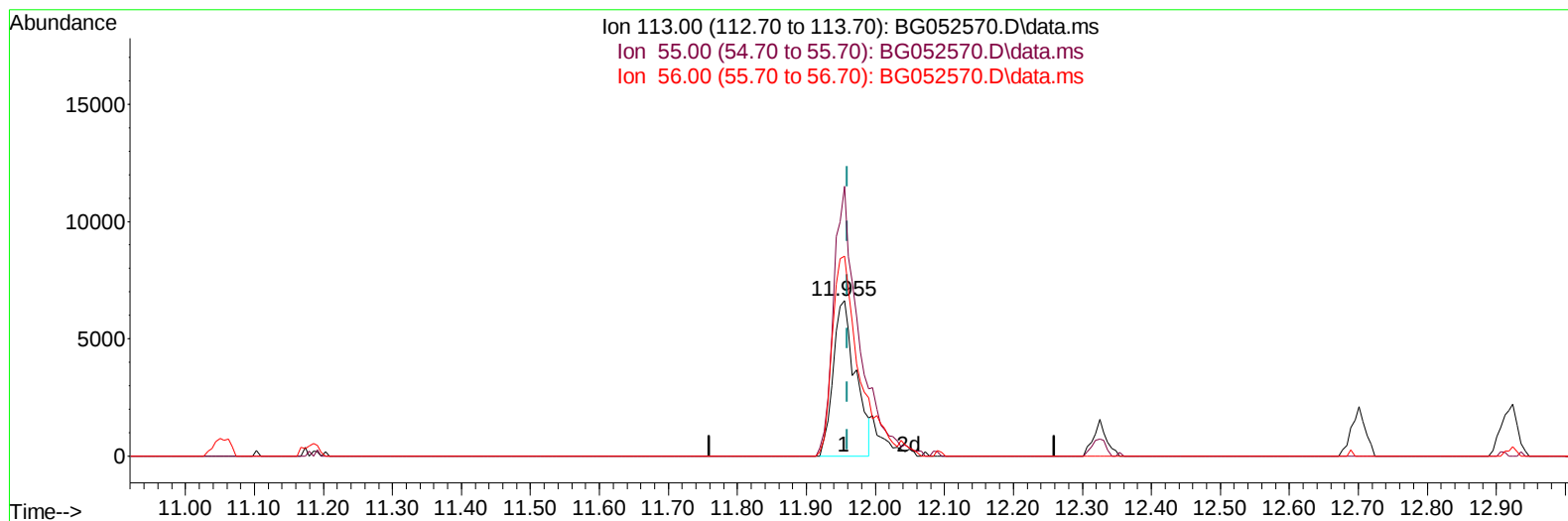
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(34) Caprolactam

11.955min (-0.005) 18.98 ng/ul

response 14912

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	183.80	173.20
56.00	136.50	128.44
0.00	0.00	0.00

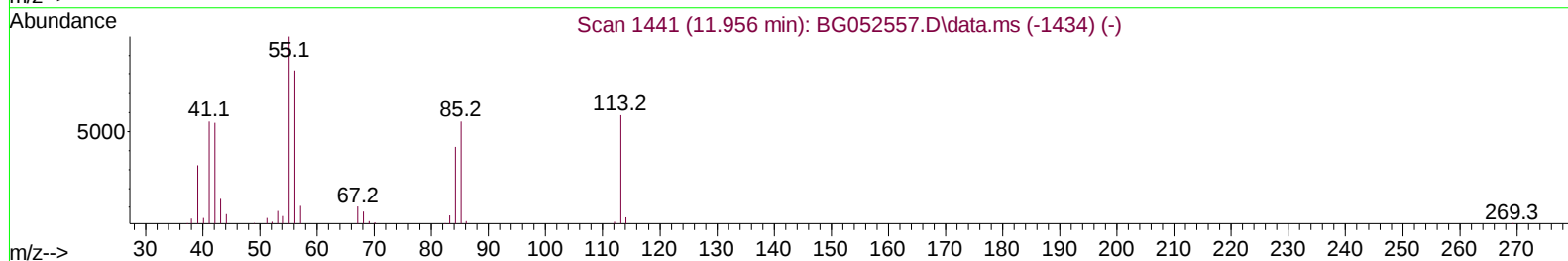
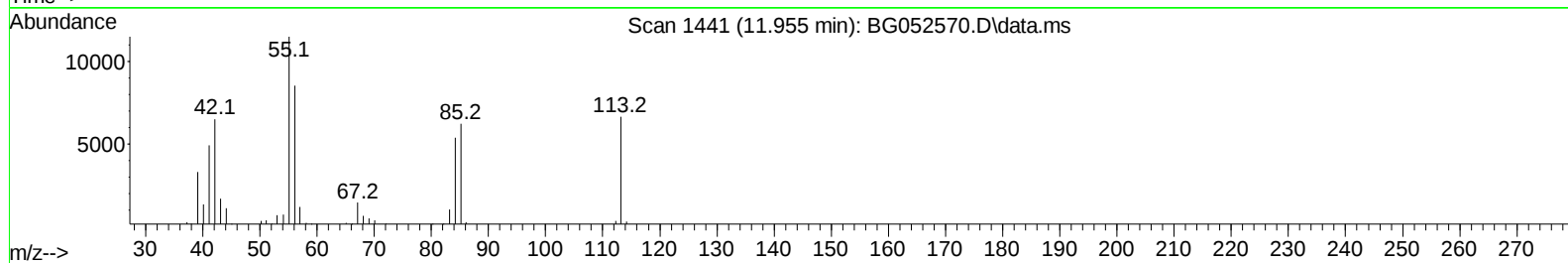
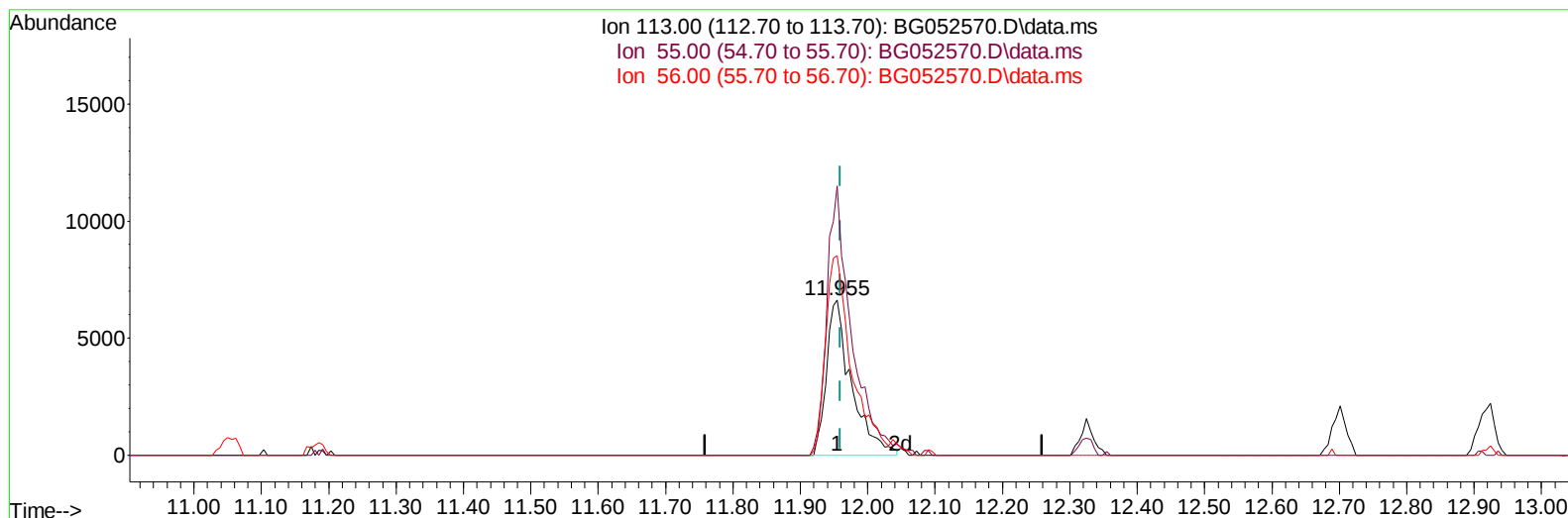
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TIC: BG052570.D\data.ms

(34) Caprolactam

11.955min (-0.005) 21.62 ng/ul m

response 16988

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	183.80	173.20
56.00	136.50	128.44
0.00	0.00	0.00

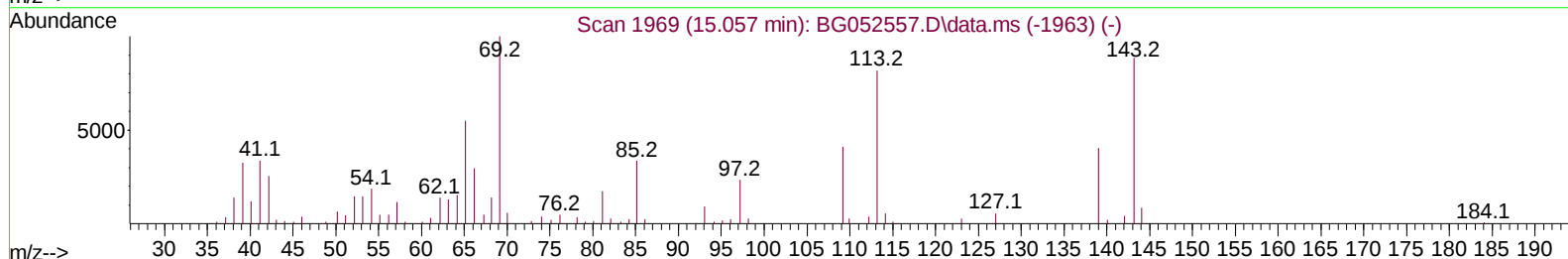
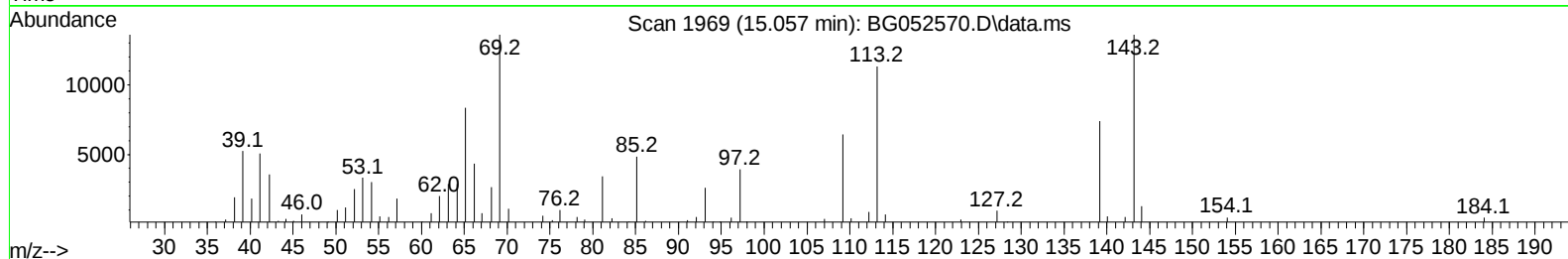
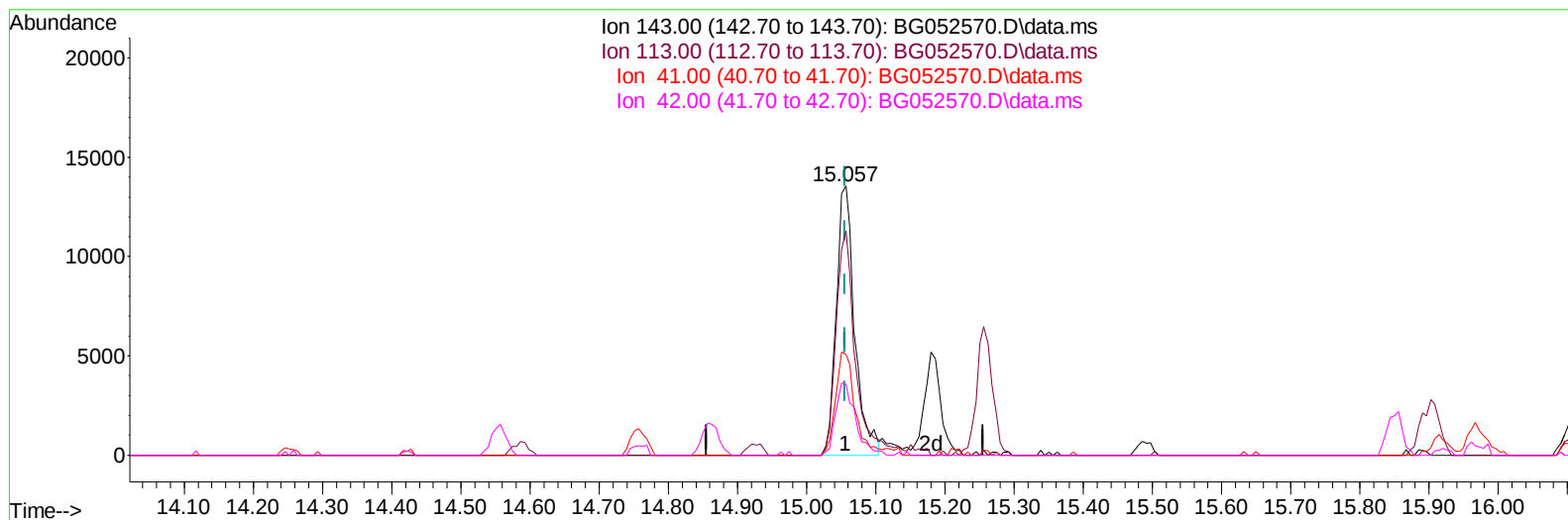
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(54) 4-Nitrophenol-d4 (S)

15.057min (+ 0.001) 19.91 ng/u1

response 24926

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	80.30	83.36
41.00	44.40	37.46
42.00	29.70	26.32

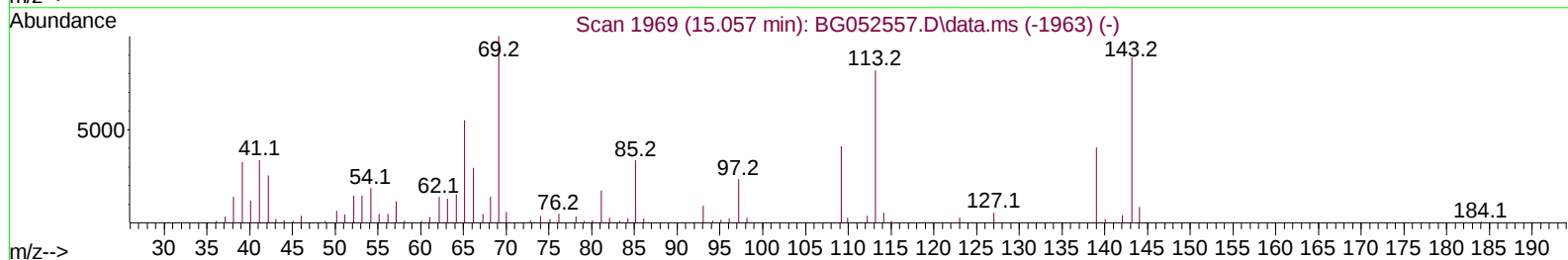
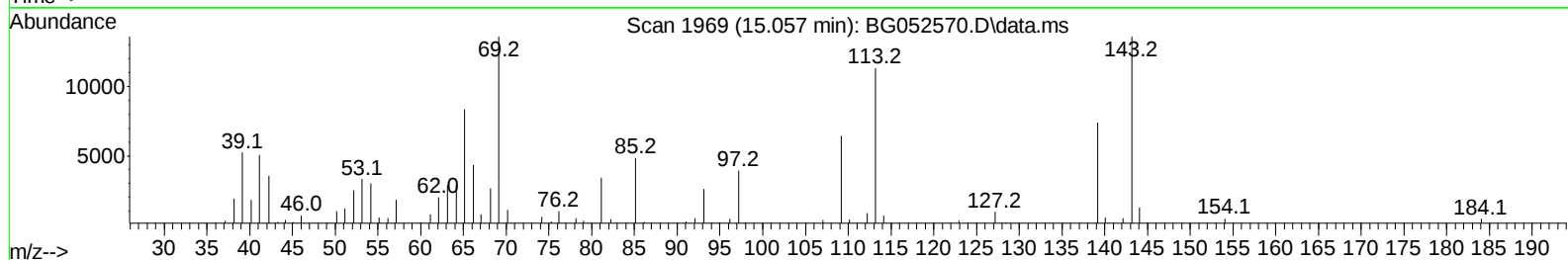
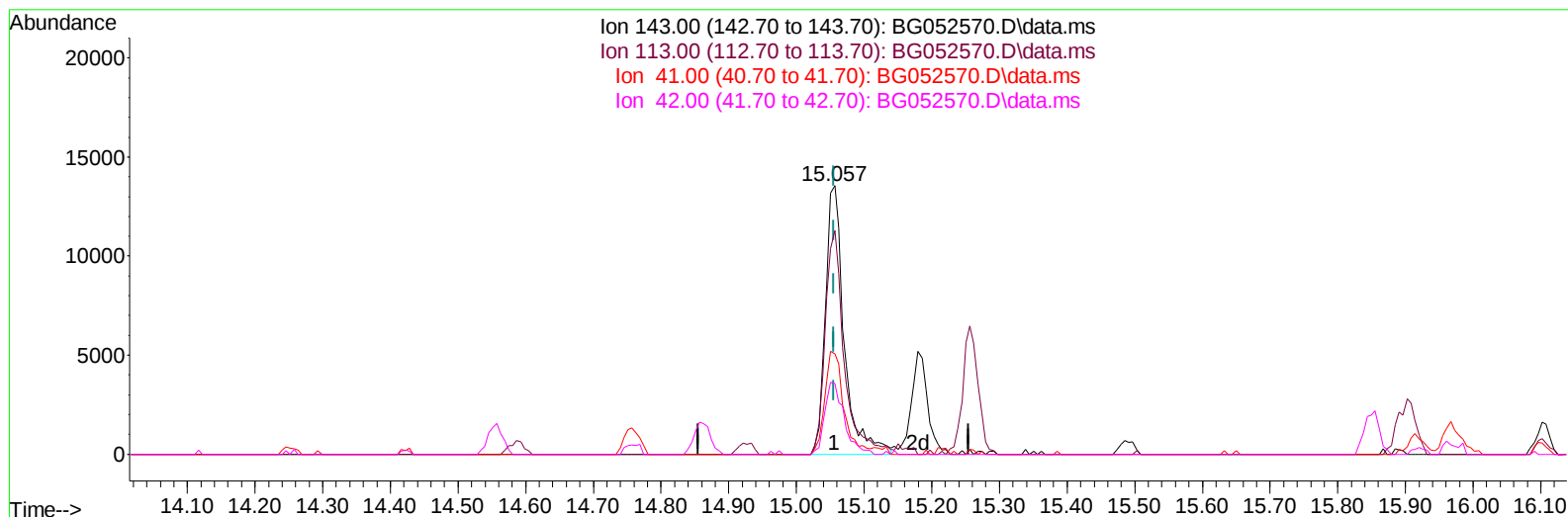
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TIC: BG052570.D\data.ms

(54) 4-Nitrophenol-d4 (S)

15.057min (+ 0.001) 20.83 ng/ul m

response 26081

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	80.30	83.36
41.00	44.40	37.46
42.00	29.70	26.32

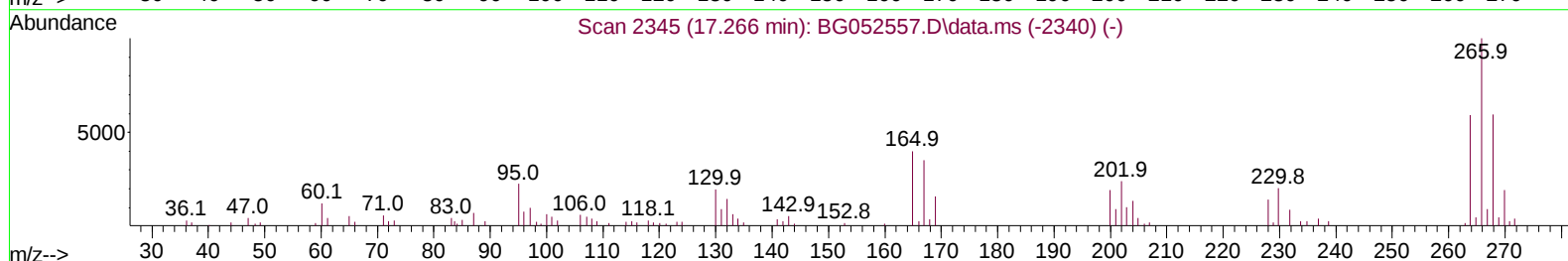
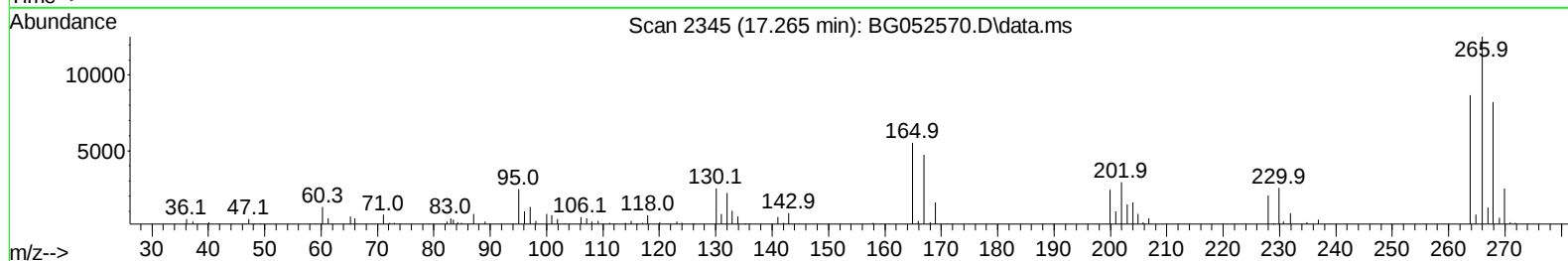
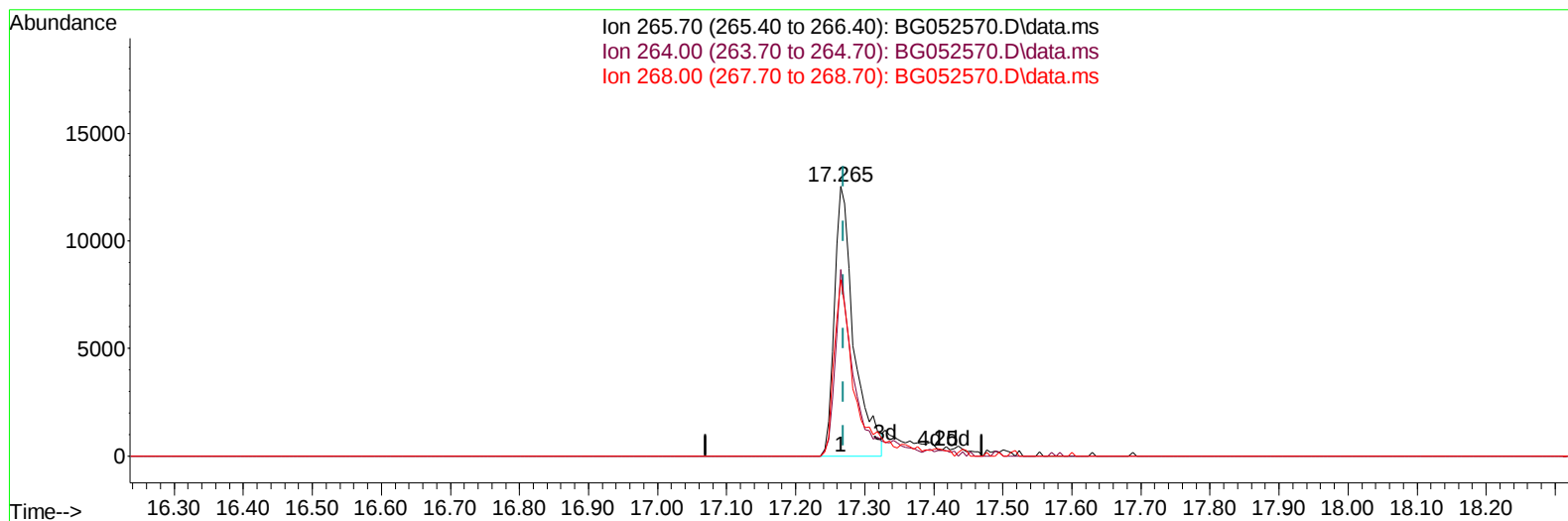
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(71) Pentachlorophenol (C)

17.265min (-0.005) 16.79 ng/u1

response 24600

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	67.90	69.29
268.00	63.80	65.46
0.00	0.00	0.00

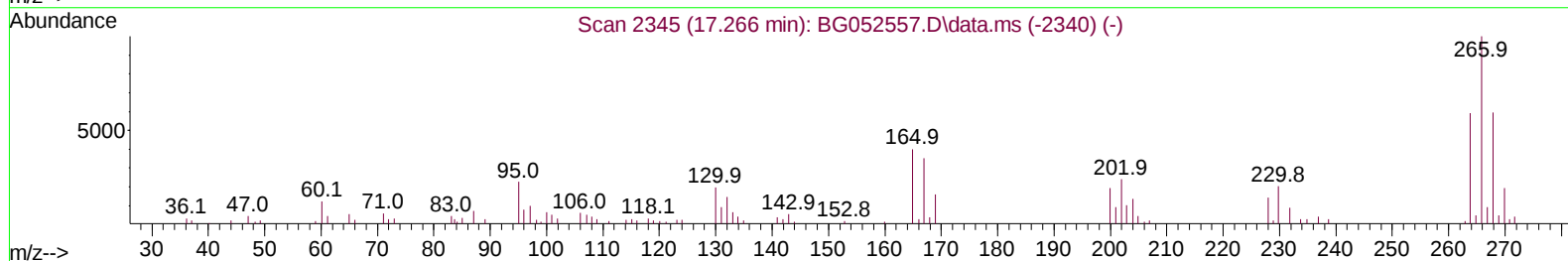
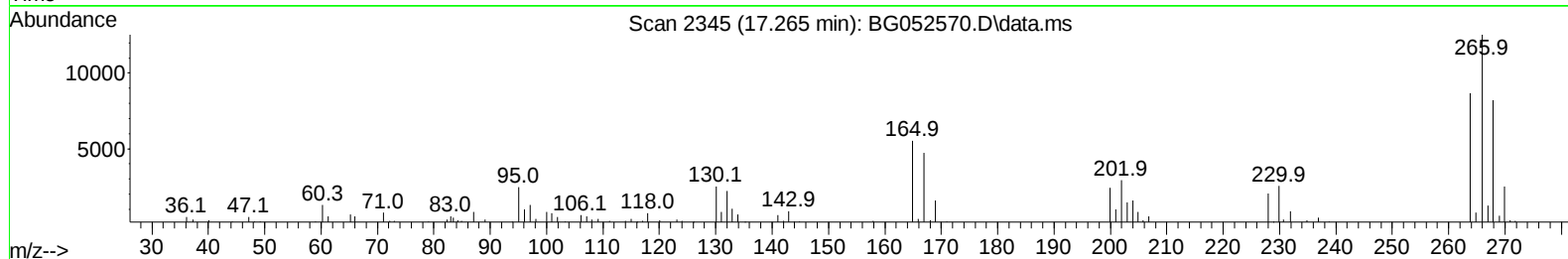
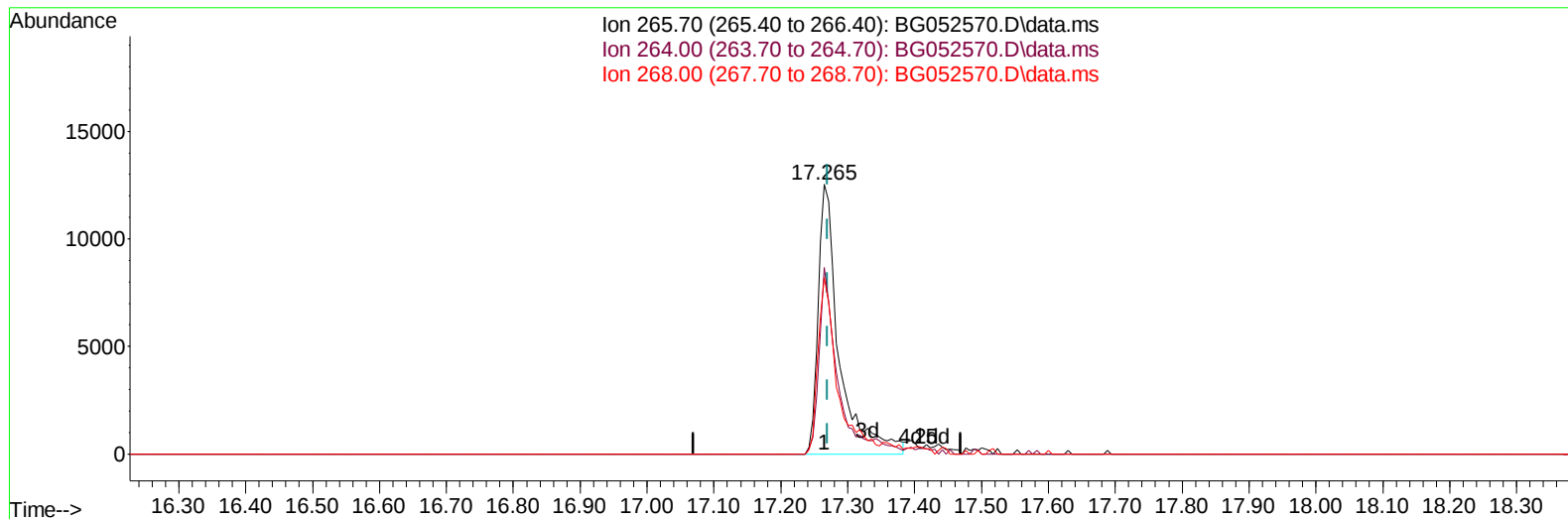
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030322\
 Data File : BG052570.D
 Acq On : 4 Mar 2022 1:41
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020534

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/07/2022
 Supervised By :mohammad ahmed 03/07/2022

Quant Time: Mar 04 10:41:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 22 17:32:12 2022
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TIC: BG052570.D\data.ms

(71) Pentachlorophenol (C)

17.265min (-0.005) 18.62 ng/ul m

response 27271

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	67.90	69.29
268.00	63.80	65.46
0.00	0.00	0.00

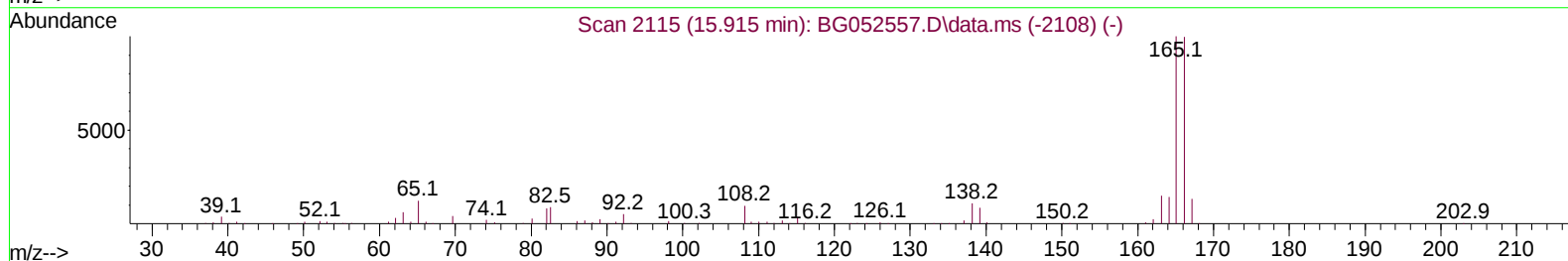
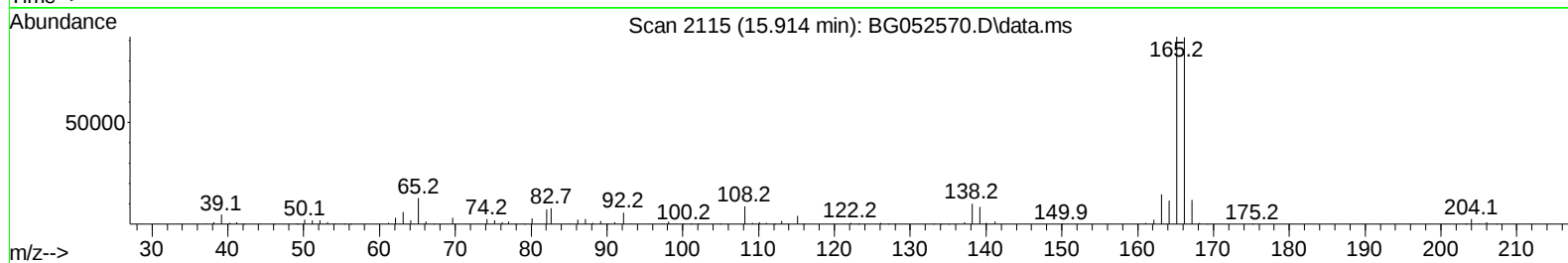
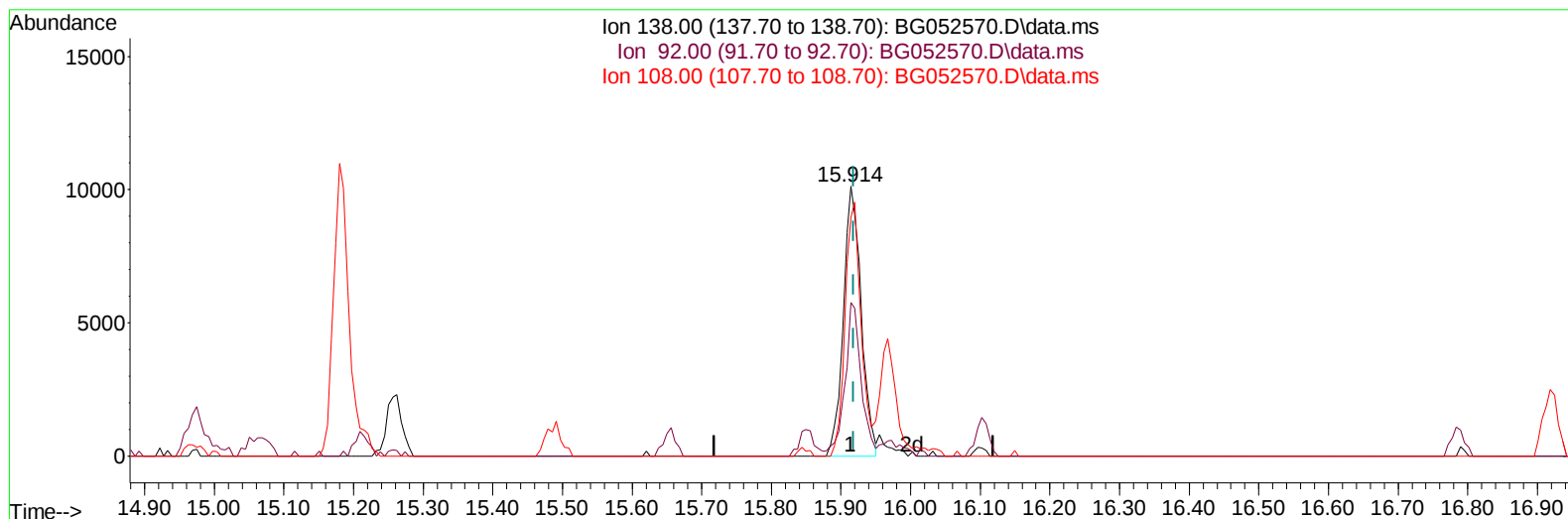
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030322\
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TIC: BG052570.D\data.ms

(63) 4-Nitroaniline

15.914min (-0.005) 13.73 ng/ul

response 18096

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	61.60	57.00
108.00	90.70	88.54
0.00	0.00	0.00

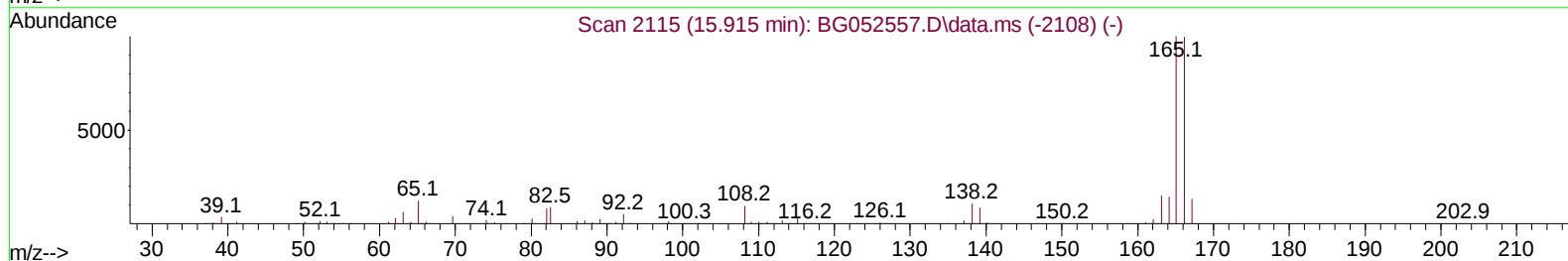
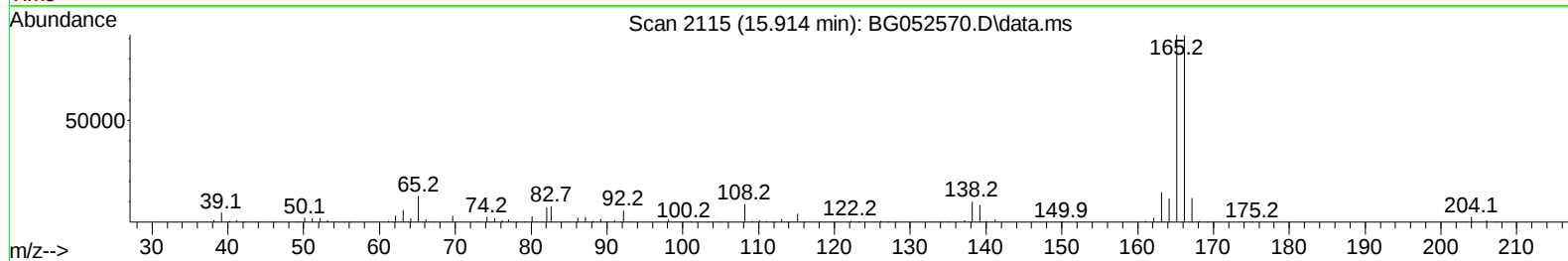
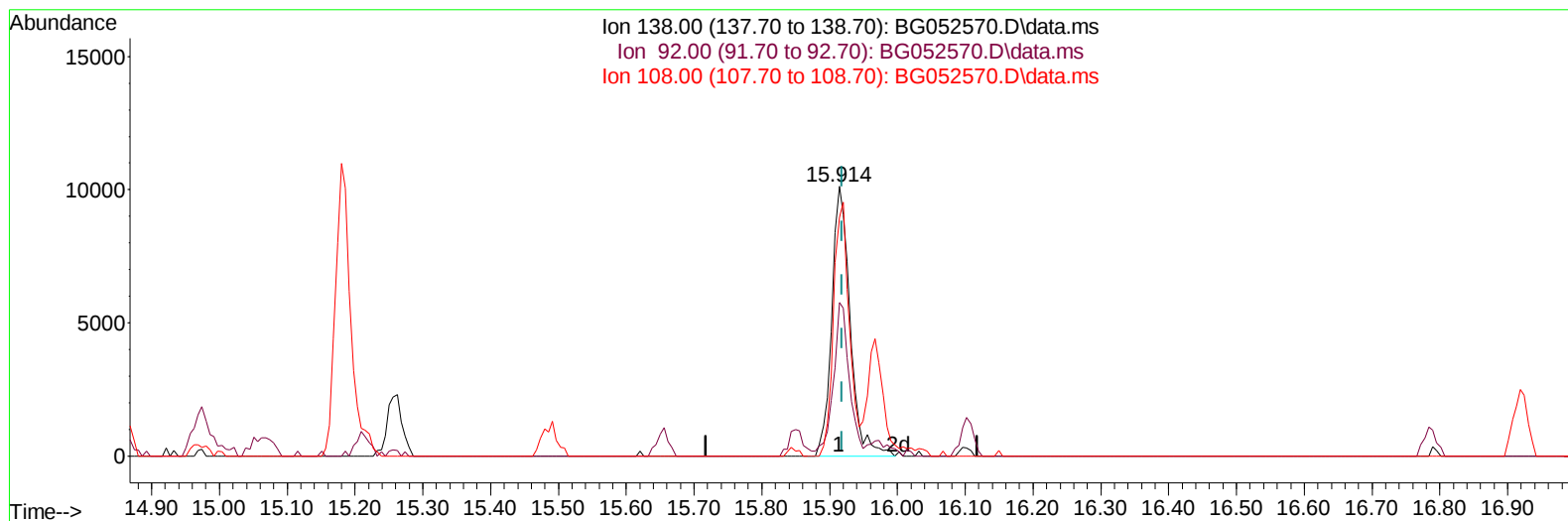
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030322\
Data File : BG052570.D
Acq On : 4 Mar 2022 1:41
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 23 Sample Multiplier: 1

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TIC: BG052570.D\data.ms

(63) 4-Nitroaniline

15.914min (-0.005) 14.37 ng/ul m

response 18950

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	61.60	57.00
108.00	90.70	88.54
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.213	152	29197	20.000	ng/ul	-0.01
20) Naphthalene-d8	11.056	136	128188	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.863	164	96887	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.612	188	236161	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.930	240	234680	20.000	ng/ul	# 0.00
88) Perylene-d12	25.390	264	237112	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.537	96	6260	8.411	ng/uL	0.00
4) Pyridine-d5	3.972	84	49927	22.235	ng/ul	0.00
7) Phenol-d5	7.361	99	60846	21.977	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.520	67	36205	22.377	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.743	132	42348	21.777	ng/ul	0.00
15) 4-Methylphenol-d8	8.924	113	48341	22.441	ng/ul	-0.01
21) Nitrobenzene-d5	9.388	128	24437	22.362	ng/ul	-0.01
24) 2-Nitrophenol-d4	10.122	143	27111	22.649	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.668	165	51998	23.295	ng/ul	0.00
31) 4-Chloroaniline-d4	11.179	131	74521	24.091	ng/ul	-0.01
46) Dimethylphthalate-d6	14.252	166	171976	21.835	ng/ul	0.00
49) Acenaphthylene-d8	14.557	160	216652	22.282	ng/ul	0.00
54) 4-Nitrophenol-d4	15.057	143	26081m	20.830	ng/ul	0.00
60) Fluorene-d10	15.850	176	154577	22.340	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.967	200	31469	21.015	ng/ul	0.00
73) Anthracene-d10	17.712	188	250785	21.981	ng/ul	0.00
81) Pyrene-d10	19.991	212	303071	22.070	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.149	264	283403	22.279	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.578	88	7249	8.371	ng/ul#	85
5) Pyridine	3.989	79	50542m	22.295	ng/ul	
6) Benzaldehyde	7.338	77	32725	20.815	ng/ul	93
8) Phenol	7.390	94	62722	22.399	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.614	93	46274	22.342	ng/ul	95
12) 2-Chlorophenol	7.778	128	45374	22.397	ng/ul	94
13) 2-Methylphenol	8.659	108	46796	22.077	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.742	45	62332	21.989	ng/ul	99
16) Acetophenone	9.041	105	78336	23.604	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.018	70	44106	22.574	ng/ul	98
18) 4-Methylphenol	8.988	108	51370	22.788	ng/ul	88
19) Hexachloroethane	9.317	117	17395	21.961	ng/ul#	75
22) Nitrobenzene	9.429	77	63858	22.795	ng/ul#	97
23) Isophorone	9.958	82	122490	22.665	ng/ul#	94
25) 2-Nitrophenol	10.151	139	28516	22.670	ng/ul	97
26) 2,4-Dimethylphenol	10.204	107	58704	22.690	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.433	93	66765	22.825	ng/ul	97
29) 2,4-Dichlorophenol	10.698	162	48727	23.075	ng/ul	92
30) Naphthalene	11.103	128	160528	22.509	ng/ul	97
32) 4-Chloroaniline	11.209	127	75496	23.791	ng/ul	98
33) Hexachlorobutadiene	11.391	225	35072	21.049	ng/ul	92
34) Caprolactam	11.955	113	16988m	21.625	ng/ul	
35) 4-Chloro-3-methylphenol	12.325	107	55088	23.357	ng/ul	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.701	142	118402	23.170	ng/ul	98
37) 1-Methylnaphthalene	12.918	142	118961	22.875	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.065	216	74013	21.767	ng/ul	96
40) Hexachlorocyclopentadiene	13.047	237	29561	17.959	ng/ul	96
41) 2,4,6-Trichlorophenol	13.300	196	44181	21.666	ng/ul	98
42) 2,4,5-Trichlorophenol	13.382	196	48647	22.381	ng/ul	100
43) 1,1'-Biphenyl	13.694	154	166589	21.624	ng/ul#	96
44) 2-Chloronaphthalene	13.741	162	129572	22.116	ng/ul	96
45) 2-Nitroaniline	13.940	65	41369	21.620	ng/ul	90
47) Dimethylphthalate	14.299	163	165465	21.491	ng/ul	99
48) 2,6-Dinitrotoluene	14.422	165	37199	22.063	ng/ul	89
50) Acenaphthylene	14.587	152	215979	22.228	ng/ul	98
51) 3-Nitroaniline	14.757	138	24222	17.641	ng/ul	99
52) Acenaphthene	14.927	153	139875	21.890	ng/ul	96
53) 2,4-Dinitrophenol	14.974	184	14901	17.873	ng/ul#	79
55) 4-Nitrophenol	15.068	109	24004	19.767	ng/ul	88
56) Dibenzofuran	15.256	168	202381	22.031	ng/ul	96
57) 2,4-Dinitrotoluene	15.215	165	54452	22.296	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.485	232	42425	21.536	ng/ul#	90
59) Diethylphthalate	15.656	149	169596	21.791	ng/ul	98
61) Fluorene	15.908	166	170610	22.080	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.891	204	91369	21.727	ng/ul	91
63) 4-Nitroaniline	15.914	138	18950m	14.374	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.979	198	30423	20.963	ng/ul#	97
67) N-Nitrosodiphenylamine	16.102	169	146342	21.993	ng/ul	95
68) 4-Bromophenyl-phenylether	16.789	248	62029	21.884	ng/ul#	87
69) Hexachlorobenzene	16.919	284	72366	22.250	ng/ul#	89
70) Atrazine	17.042	200	61767	21.063	ng/ul	99
71) Pentachlorophenol	17.265	266	27271m	18.617	ng/ul	
72) Phenanthrene	17.653	178	280306	22.038	ng/ul	99
74) Anthracene	17.747	178	281953	22.025	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.670	216	83230	22.279	ng/uL	100
76) Pentachlorobenzene	15.186	250	77824	21.820	ng/uL	99
77) Carbazole	18.011	167	253741	22.316	ng/ul	97
78) Di-n-butylphthalate	18.552	149	290096	21.453	ng/ul	99
80) Fluoranthene	19.656	202	369136	22.768	ng/ul#	91
82) Pyrene	20.020	202	358445	22.264	ng/ul#	89
83) Butylbenzylphthalate	20.884	149	125899	21.631	ng/ul#	92
84) 3,3'-Dichlorobenzidine	21.806	252	105696	20.389	ng/ul#	96
85) Benzo(a)anthracene	21.906	228	352157	22.146	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.783	149	173424	21.258	ng/ul#	97
87) Chrysene	21.977	228	337381	22.130	ng/ul	98
89) Di-n-octyl phthalate	23.069	149	295596	21.559	ng/ul	100
90) Benzo(b)fluoranthene	24.279	252	360676	21.817	ng/ul#	96
91) Benzo(k)fluoranthene	24.350	252	343744	22.543	ng/ul#	97
93) Benzo(a)pyrene	25.225	252	347270	22.330	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	29.378	276	396354	22.413	ng/ul#	91
95) Dibenzo(a,h)anthracene	29.443	278	337003	22.324	ng/ul#	93
96) Benzo(g,h,i)perylene	30.630	276	334217	22.509	ng/ul#	88

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

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Manual Integrations

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