

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122221\
 Data File : BG051777.D
 Acq On : 23 Dec 2021 9:37
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020460

Quant Time: Dec 23 10:30:14 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121421.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 14 14:19:57 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2021
 Supervised By :mohammad ahmed 12/31/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	37989	20.000	ng/u1	-0.01
20) Naphthalene-d8	11.119	136	155786	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.914	164	105720	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.658	188	241008	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.981	240	224699	20.000	ng/u1	# 0.00
88) Perylene-d12	25.476	264	228424	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.594	96	8007	8.753	ng/uL	-0.01
4) Pyridine-d5	4.023	84	63705	23.050	ng/u1	-0.02
7) Phenol-d5	7.413	99	71539	21.091	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.583	67	43915	21.779	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.806	132	50682	21.484	ng/u1	0.00
15) 4-Methylphenol-d8	8.975	113	56958	21.724	ng/u1	0.00
21) Nitrobenzene-d5	9.445	128	25765	22.558	ng/u1	-0.01
24) 2-Nitrophenol-d4	10.179	143	29412	23.556	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.726	165	58430	21.580	ng/u1	0.00
31) 4-Chloroaniline-d4	11.237	131	72147	20.238	ng/u1	0.00
46) Dimethylphthalate-d6	14.303	166	169673	20.052	ng/u1	-0.01
49) Acenaphthylene-d8	14.609	160	219166	20.855	ng/u1	0.00
54) 4-Nitrophenol-d4	15.079	143	25307m	18.391	ng/u1	0.00
60) Fluorene-d10	15.901	176	148368	19.571	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.001	200	24349	19.391	ng/u1	-0.01
73) Anthracene-d10	17.757	188	239199	20.806	ng/u1	0.00
81) Pyrene-d10	20.031	212	278374	20.584	ng/u1	-0.01
92) Benzo(a)pyrene-d12	25.230	264	252513	21.010	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.635	88	8509m	8.913	ng/uL	
5) Pyridine	4.047	79	64940	23.421	ng/u1	100
6) Benzaldehyde	7.401	77	52896	24.995	ng/u1	97
8) Phenol	7.442	94	73524	21.799	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.677	93	54883	21.330	ng/u1	94
12) 2-Chlorophenol	7.836	128	53499	22.108	ng/u1	93
13) 2-Methylphenol	8.711	108	54691	21.492	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.805	45	74606	21.376	ng/u1	98
16) Acetophenone	9.104	105	83851	20.360	ng/u1	91
17) N-Nitroso-di-n-propyla...	9.081	70	50153	20.295	ng/u1	99
18) 4-Methylphenol	9.040	108	57662	21.499	ng/u1	98
19) Hexachloroethane	9.381	117	21889	20.731	ng/u1	87
22) Nitrobenzene	9.486	77	73319	22.070	ng/u1	96
23) Isophorone	10.015	82	135577	20.328	ng/u1	99
25) 2-Nitrophenol	10.215	139	31325	23.471	ng/u1	98
26) 2,4-Dimethylphenol	10.262	107	66781	20.768	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.497	93	71608	20.220	ng/u1	98
29) 2,4-Dichlorophenol	10.749	162	54307	21.080	ng/u1	96
30) Naphthalene	11.172	128	173095	20.624	ng/u1	96
32) 4-Chloroaniline	11.260	127	74309	20.413	ng/u1	98
33) Hexachlorobutadiene	11.454	225	42462	19.414	ng/u1	94
34) Caprolactam	12.001	113	18475m	23.687	ng/u1	
35) 4-Chloro-3-methylphenol	12.365	107	60405	20.926	ng/u1	95
36) 2-Methylnaphthalene	12.758	142	122347	20.433	ng/u1	97

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37) 1-Methylnaphthalene	12.976	142	122707	19.737	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.117	216	79152	21.524	ng/ul	98
40) Hexachlorocyclopentadiene	13.105	237	46231	17.315	ng/ul	98
41) 2,4,6-Trichlorophenol	13.352	196	48039	21.580	ng/ul	98
42) 2,4,5-Trichlorophenol	13.422	196	52462	22.487	ng/ul	94
43) 1,1'-Biphenyl	13.745	154	166588	20.571	ng/ul#	98
44) 2-Chloronaphthalene	13.792	162	134789	21.529	ng/ul	96
45) 2-Nitroaniline	13.980	65	45343	23.707	ng/ul	93
47) Dimethylphthalate	14.350	163	165762	20.178	ng/ul	100
48) 2,6-Dinitrotoluene	14.468	165	35666	22.710	ng/ul	91
50) Acenaphthylene	14.638	152	210276	20.451	ng/ul	98
51) 3-Nitroaniline	14.797	138	34904	23.243	ng/ul#	95
52) Acenaphthene	14.973	153	140706	20.714	ng/ul	98
53) 2,4-Dinitrophenol	15.002	184	20091	22.131	ng/ul#	87
55) 4-Nitrophenol	15.091	109	26373	17.864	ng/ul	83
56) Dibenzofuran	15.308	168	201495	20.142	ng/ul	99
57) 2,4-Dinitrotoluene	15.255	165	50530	22.701	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.531	232	43432	19.588	ng/ul#	88
59) Diethylphthalate	15.707	149	165078	19.290	ng/ul	98
61) Fluorene	15.954	166	164346	19.938	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.942	204	91290	19.884	ng/ul	91
63) 4-Nitroaniline	15.954	138	33670	21.862	ng/ul#	84
66) 4,6-Dinitro-2-methylph...	16.019	198	24219	19.640	ng/ul#	98
67) N-Nitrosodiphenylamine	16.148	169	138995	21.442	ng/ul	100
68) 4-Bromophenyl-phenylether	16.835	248	60257	24.550	ng/ul#	87
69) Hexachlorobenzene	16.964	284	66006	21.401	ng/ul#	90
70) Atrazine	17.088	200	60025	20.636	ng/ul	95
71) Pentachlorophenol	17.305	266	38175	20.201	ng/ul	94
72) Phenanthrene	17.699	178	261062	21.060	ng/ul	99
74) Anthracene	17.793	178	256777	20.504	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.722	216	85162	22.969	ng/ul	93
76) Pentachlorobenzene	15.231	250	79552	22.444	ng/ul	95
77) Carbazole	18.051	167	232058	20.694	ng/ul	98
78) Di-n-butylphthalate	18.598	149	279205	20.689	ng/ul	99
80) Fluoranthene	19.696	202	323924	20.867	ng/ul#	91
82) Pyrene	20.060	202	314541	20.475	ng/ul#	89
83) Butylbenzylphthalate	20.930	149	113556	22.042	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.858	252	115762	21.860	ng/ul#	97
85) Benzo(a)anthracene	21.958	228	309732	21.187	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.840	149	162038	22.454	ng/ul#	97
87) Chrysene	22.028	228	294921	20.882	ng/ul	99
89) Di-n-octyl phthalate	23.150	149	273793	22.254	ng/ul	100
90) Benzo(b)fluoranthene	24.354	252	311968	20.390	ng/ul#	96
91) Benzo(k)fluoranthene	24.425	252	299945	20.934	ng/ul#	96
93) Benzo(a)pyrene	25.306	252	299821	20.763	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	29.500	276	325896m	20.673	ng/ul	
95) Dibenzo(a,h)anthracene	29.571	278	278422m	20.678	ng/ul	
96) Benzo(g,h,i)perylene	30.758	276	258897	19.379	ng/ul#	88

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

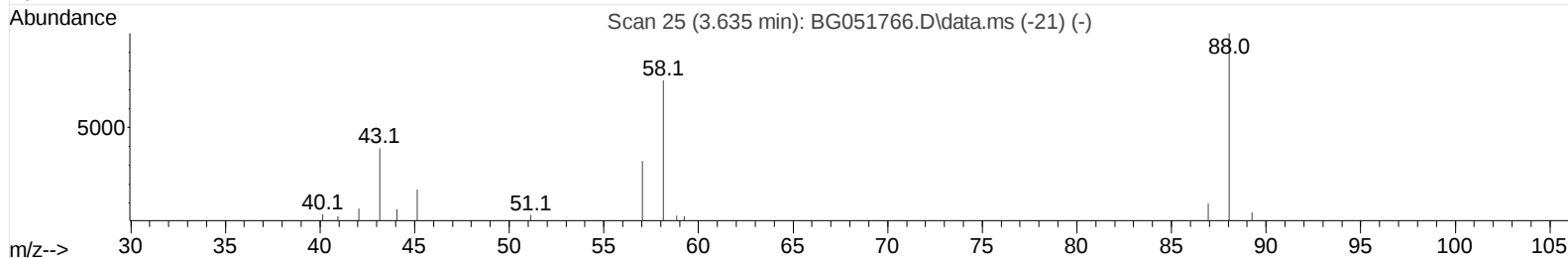
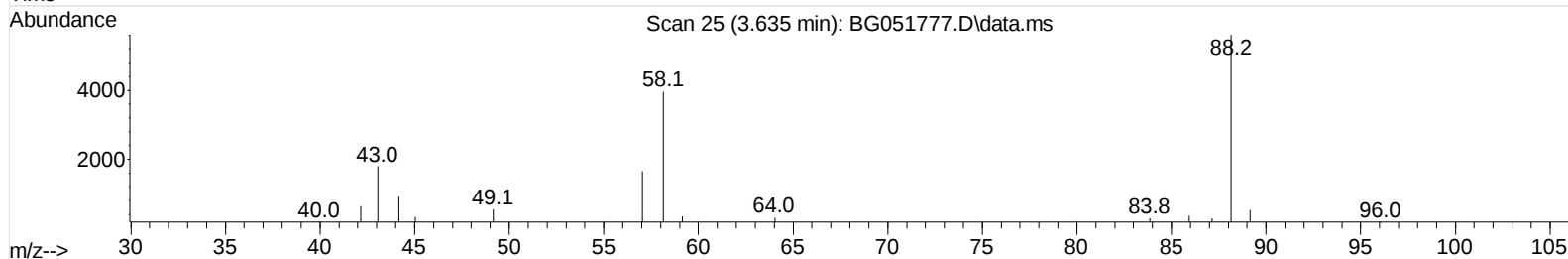
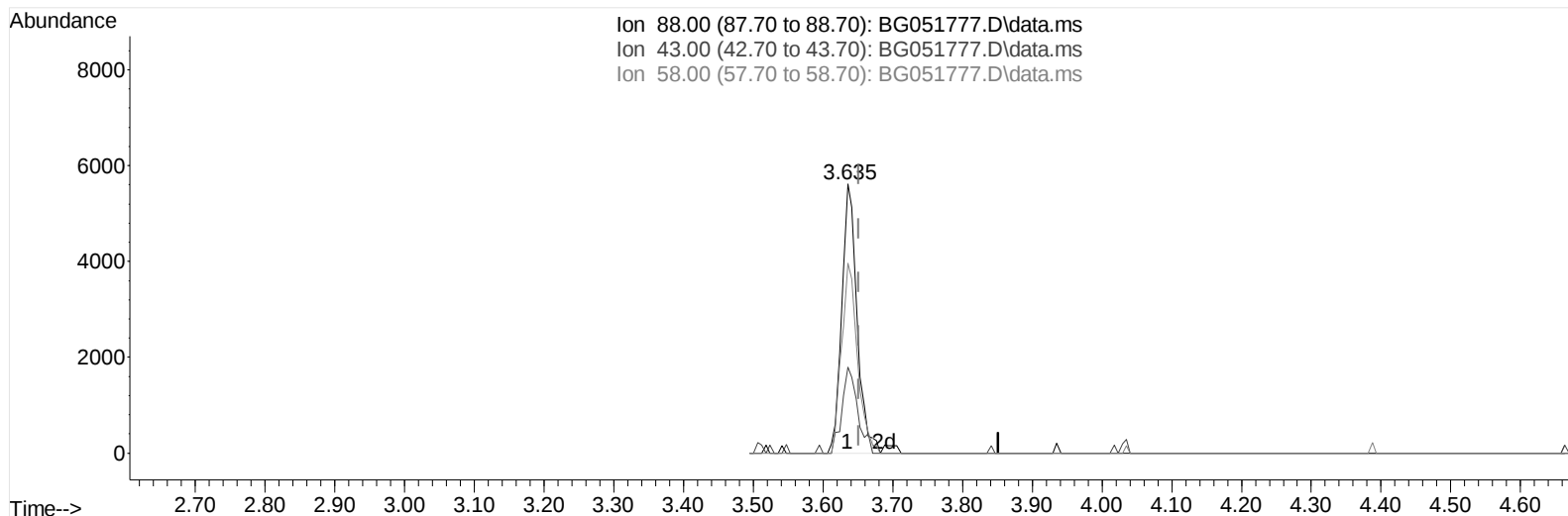
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 ALS Vial : 28 Sample Multiplier: 1

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(2) 1,4-Dioxane

3.635min (-0.017) 8.82 ng/uL

response 8416

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	28.70	31.93
58.00	78.00	70.51
0.00	0.00	0.00

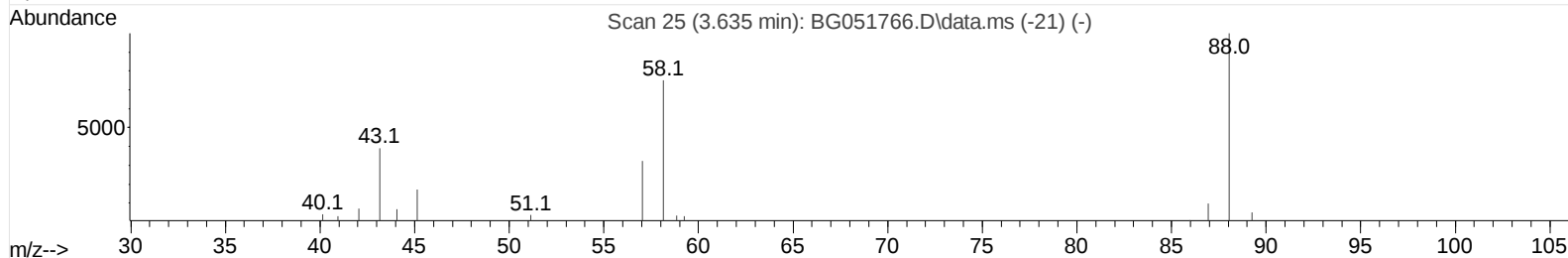
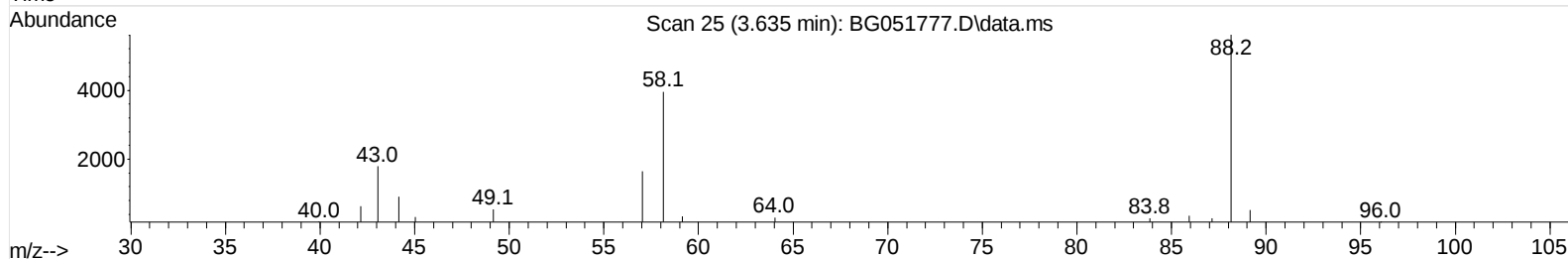
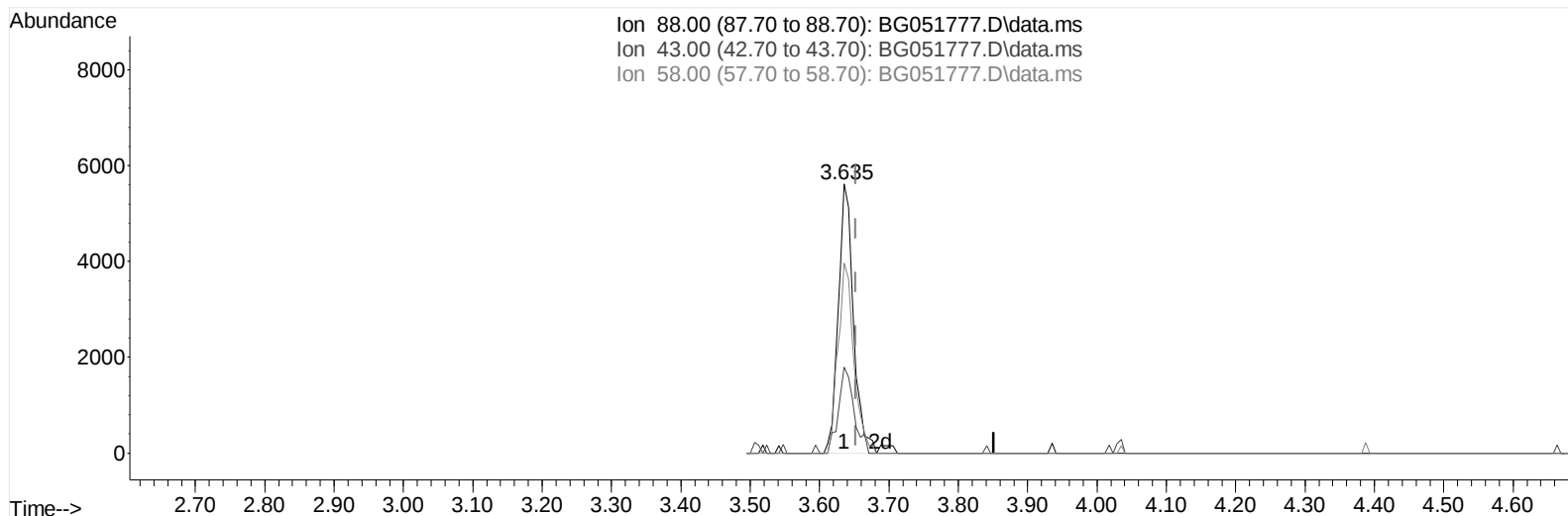
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(2) 1,4-Dioxane

3.635min (-0.017) 8.91 ng/uL m

response 8509

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	28.70	31.93
58.00	78.00	70.51
0.00	0.00	0.00

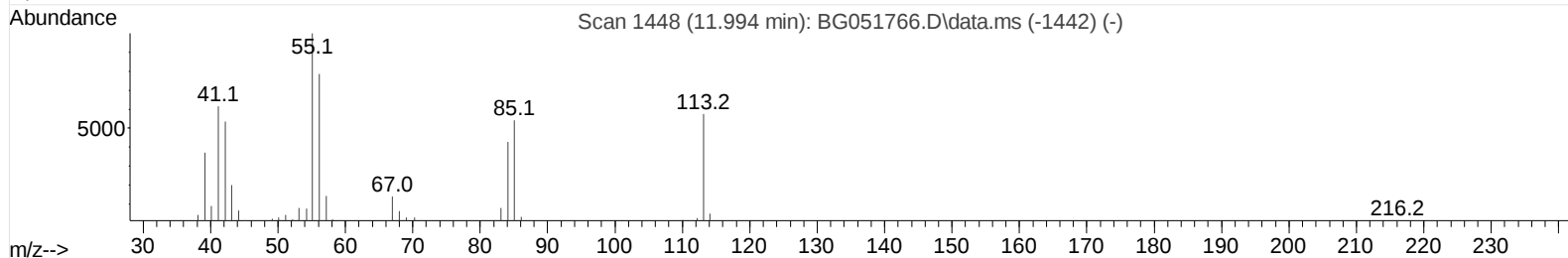
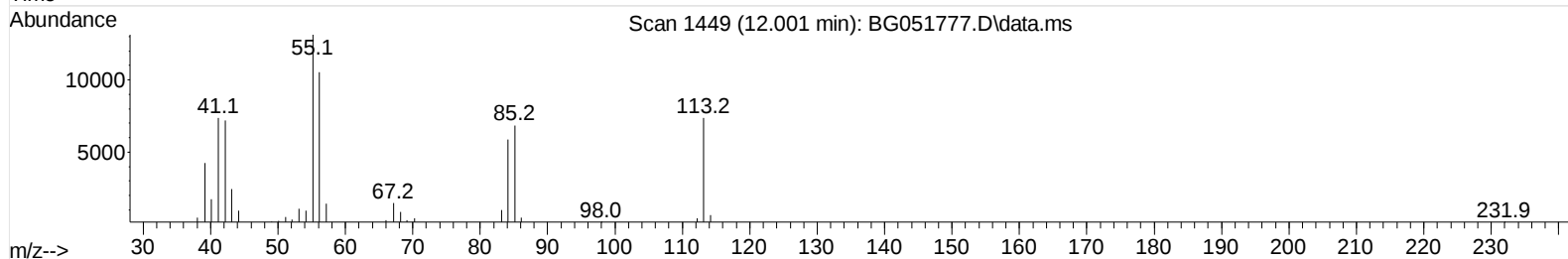
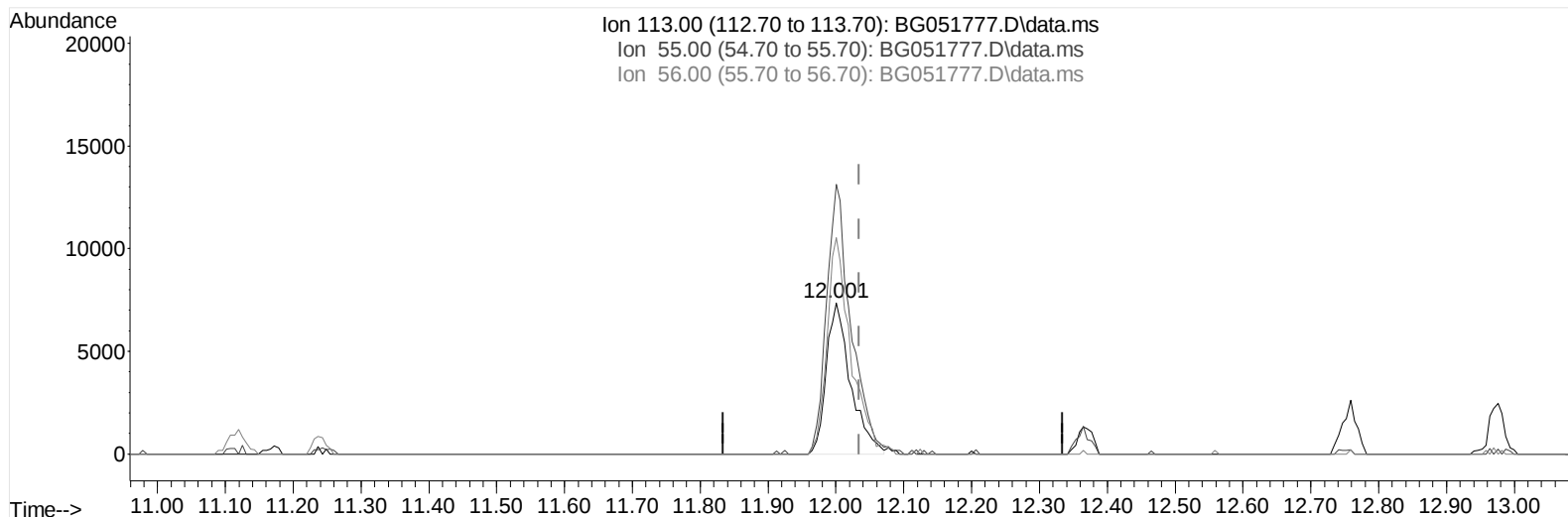
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(34) Caprolactam

12.001min (-0.034) 23.40 ng/ul

response 18249

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	183.80	178.45
56.00	136.50	143.20
0.00	0.00	0.00

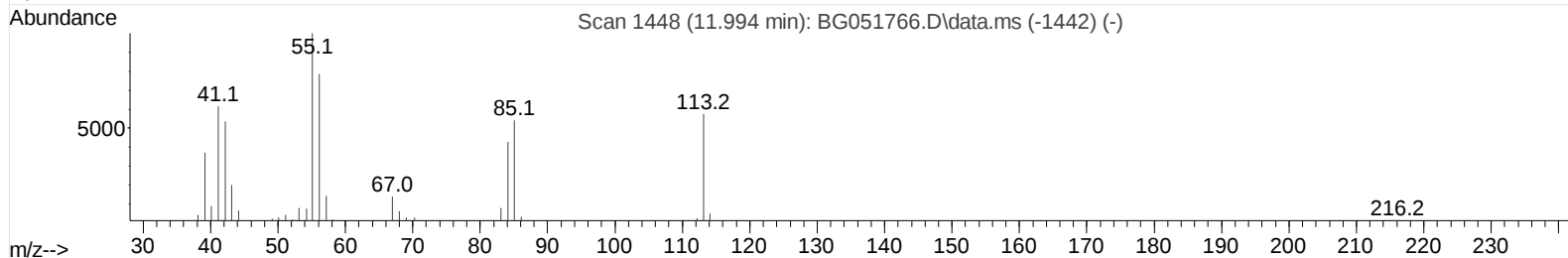
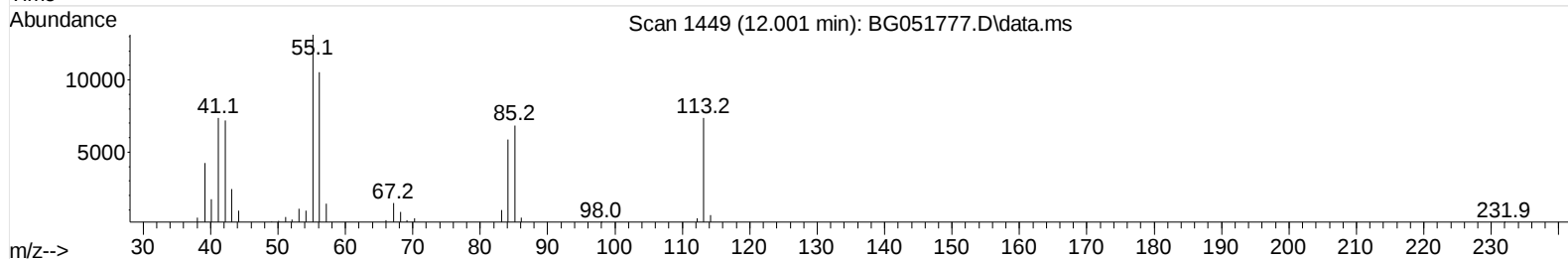
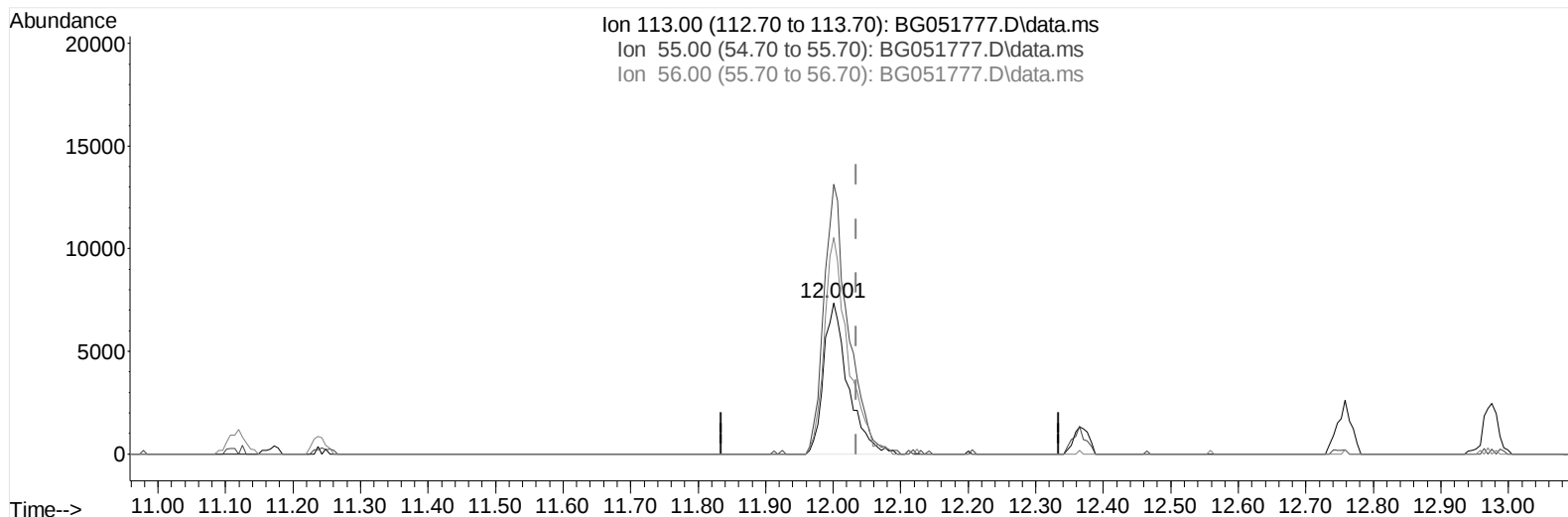
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TIC: BG051777.D\data.ms

(34) Caprolactam

12.001min (-0.034) 23.69 ng/ul m

response 18475

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	183.80	178.45
56.00	136.50	143.20
0.00	0.00	0.00

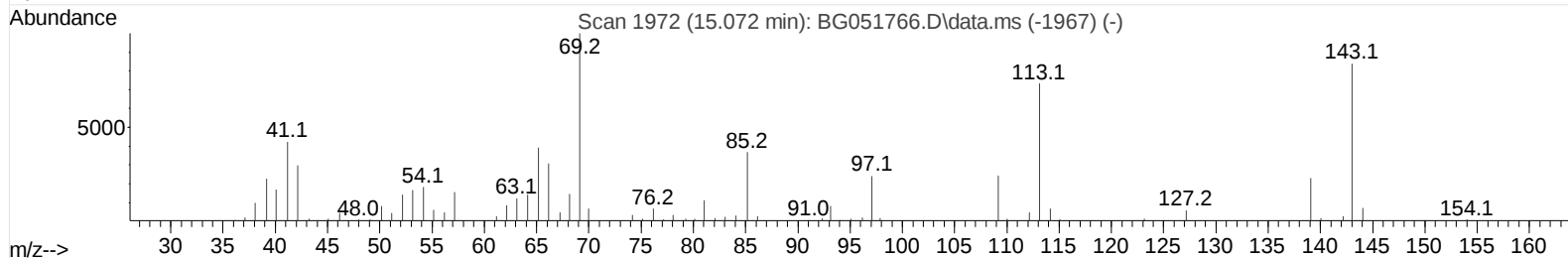
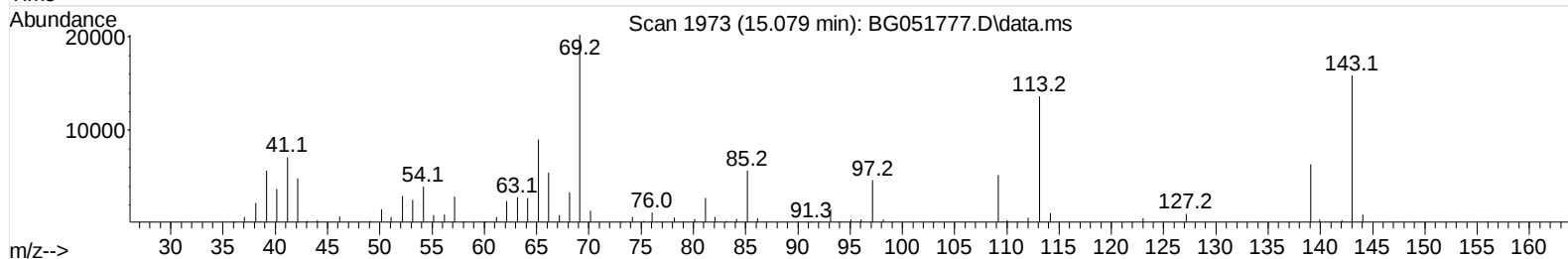
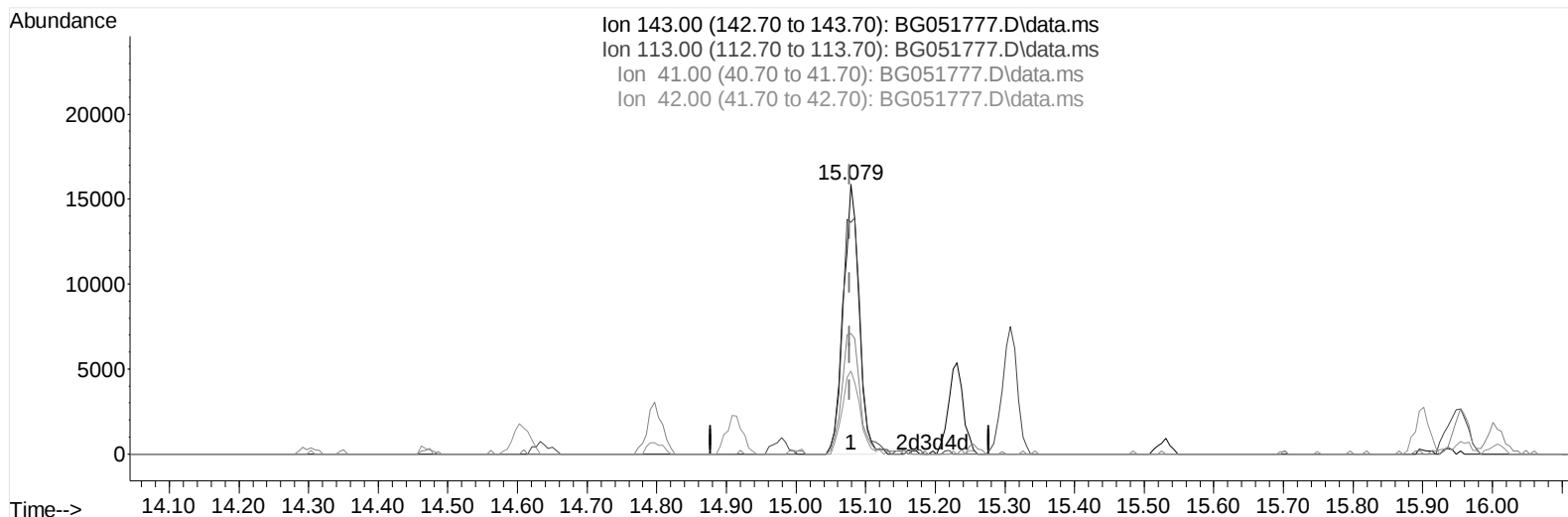
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(54) 4-Nitrophenol-d4 (S)

15.079min (+ 0.001) 18.25 ng/u1

response 25118

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	80.30	85.97
41.00	44.40	44.79
42.00	29.70	30.78

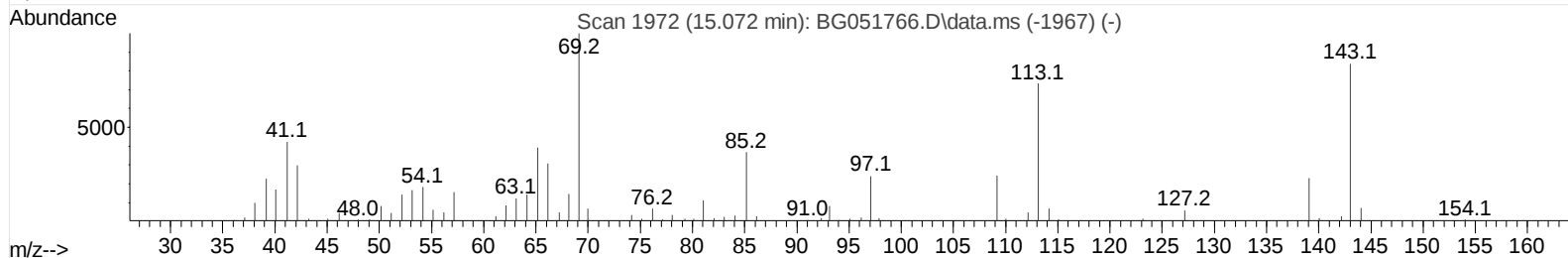
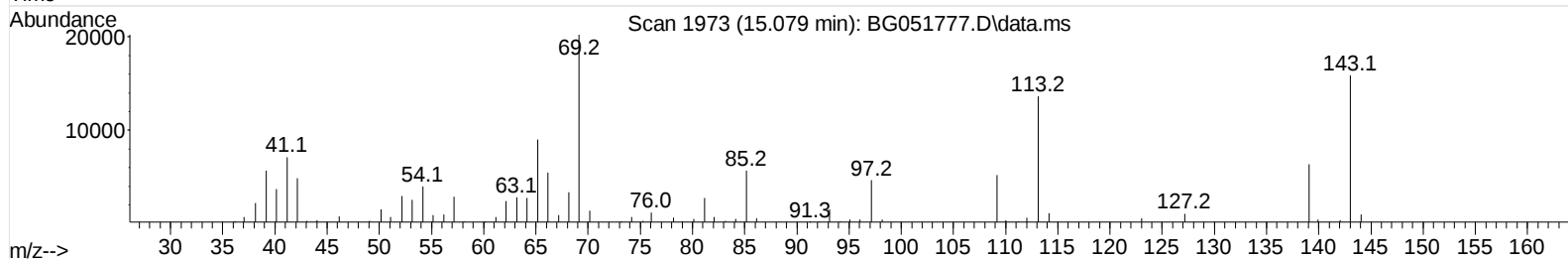
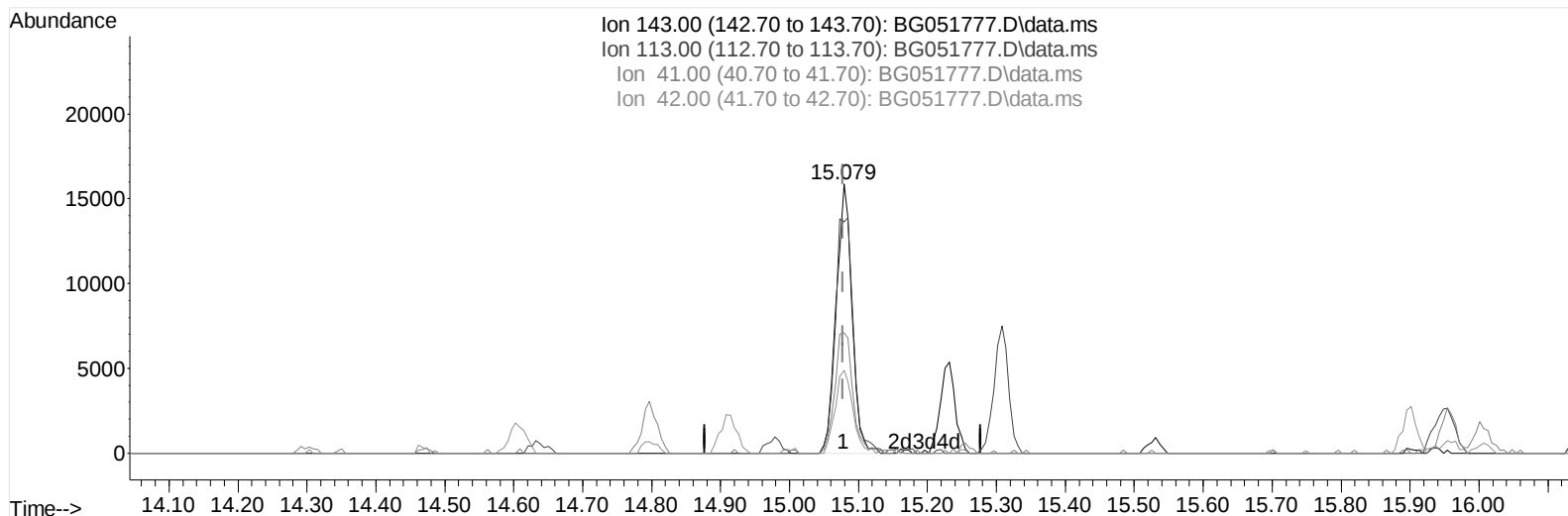
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(54) 4-Nitrophenol-d4 (S)

15.079min (+ 0.001) 18.39 ng/ul m

response 25307

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	80.30	85.97
41.00	44.40	44.79
42.00	29.70	30.78

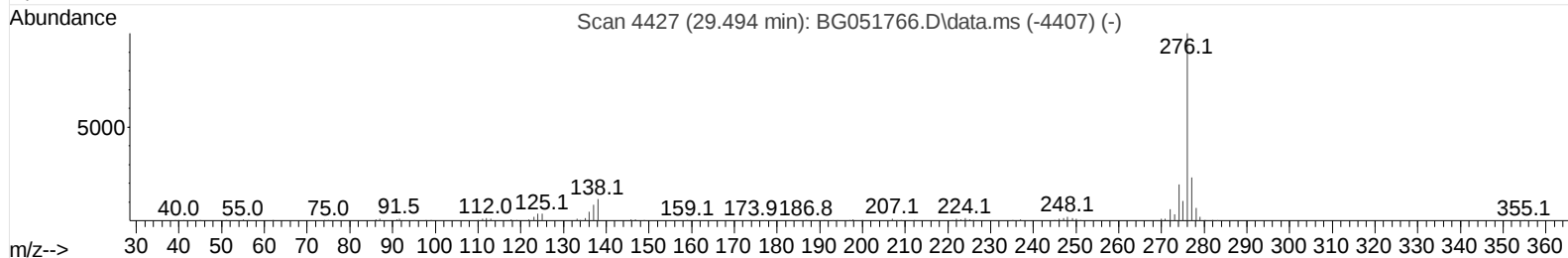
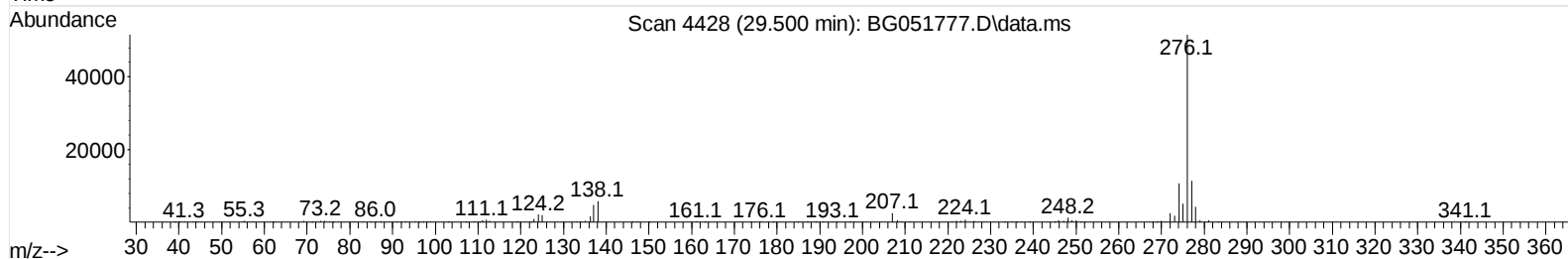
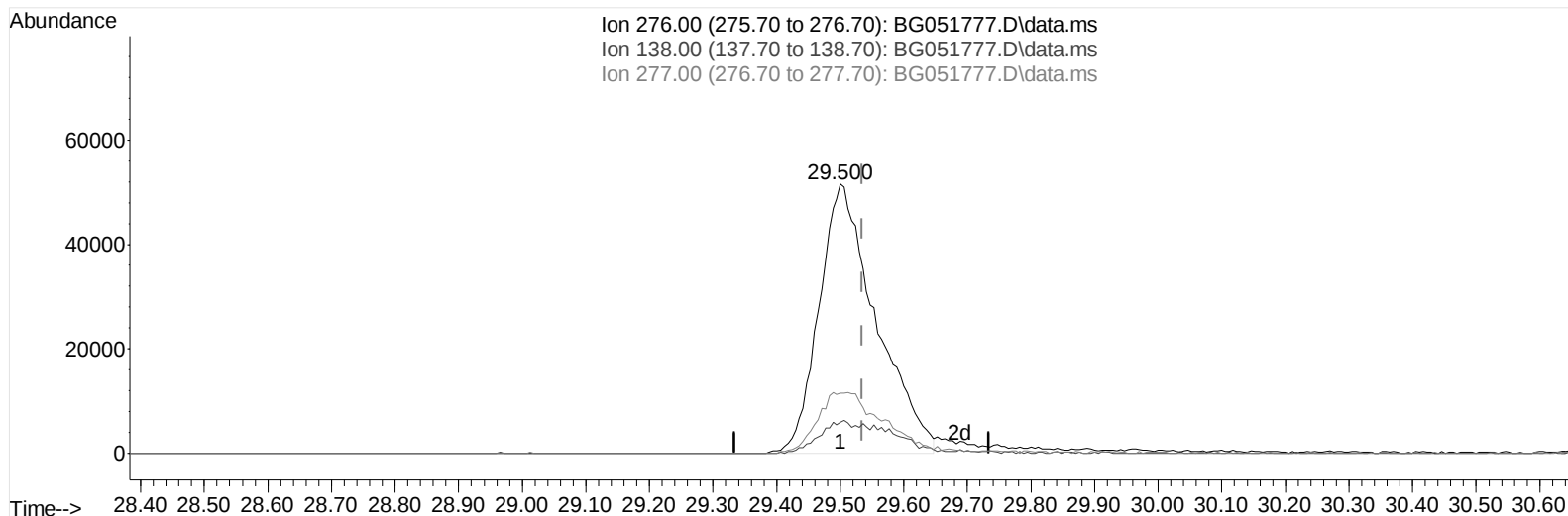
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(94) Indeno(1,2,3-cd)pyrene

29.500min (-0.034) 20.34 ng/u1

response 320594

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	11.36#
277.00	25.60	22.38
0.00	0.00	0.00

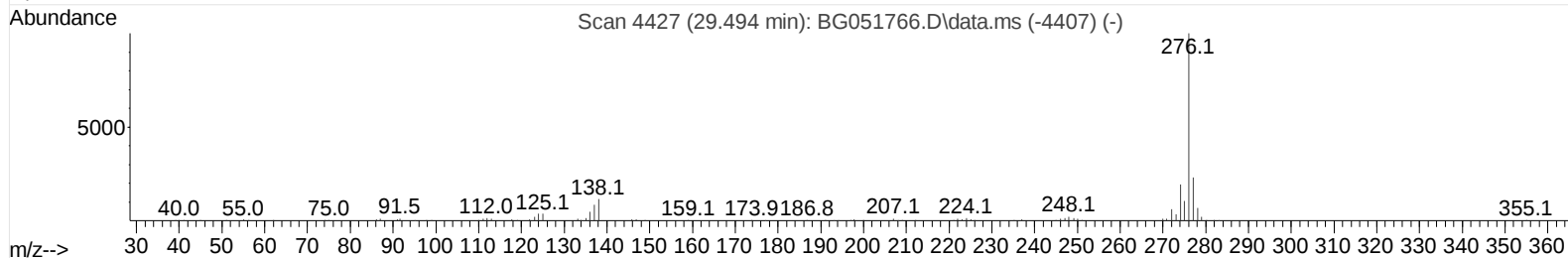
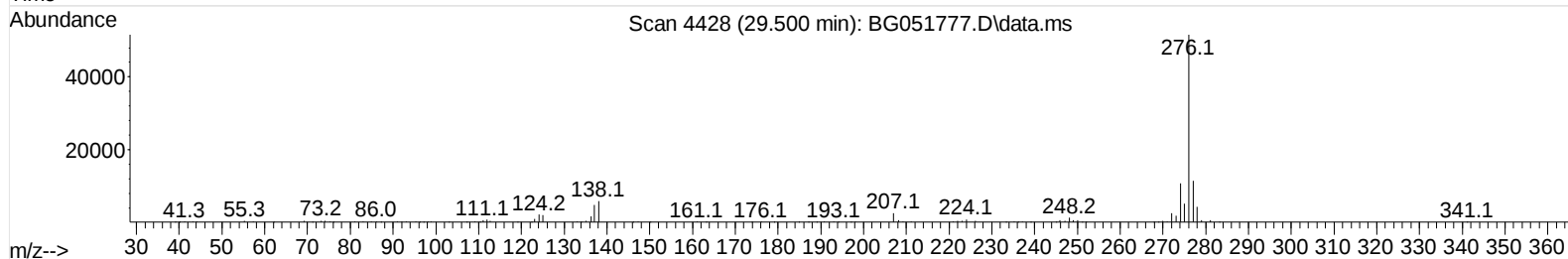
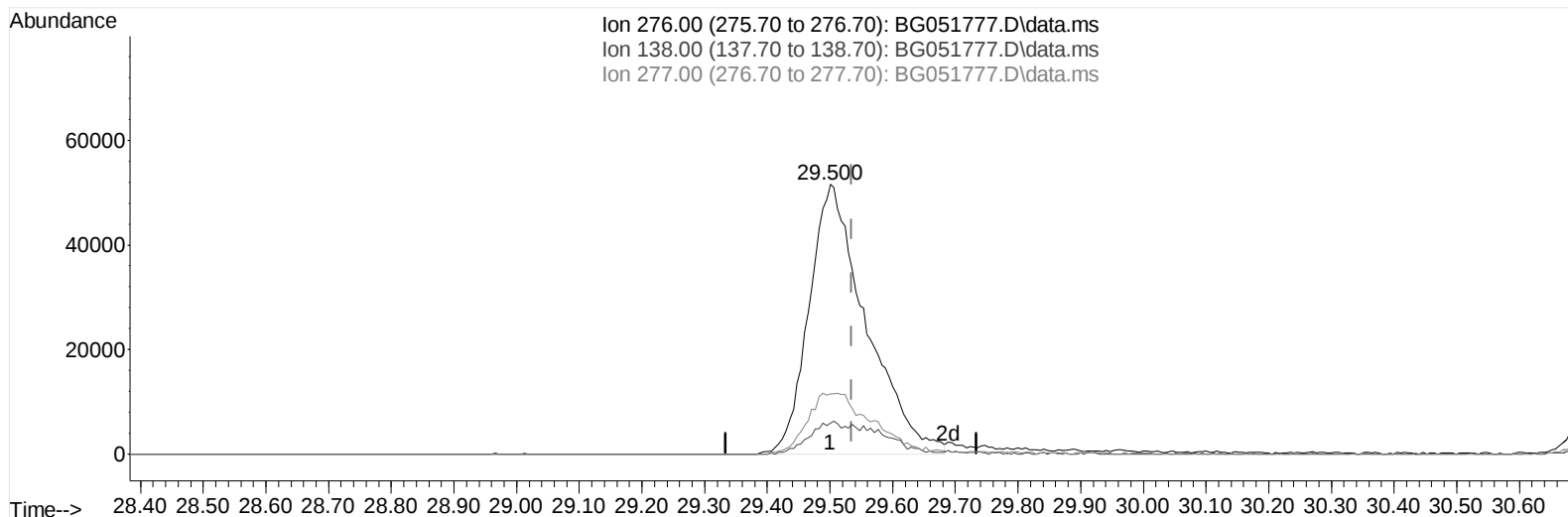
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122221\
 Data File : BG051777.D
 Acq On : 23 Dec 2021 9:37
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020460

Manual Integrations
 APPROVED

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 Supervised By :mohammad ahmed 12/31/2021

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TIC: BG051777.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

29.500min (-0.034) 20.67 ng/ul m

response 325896

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	11.36#
277.00	25.60	22.38
0.00	0.00	0.00

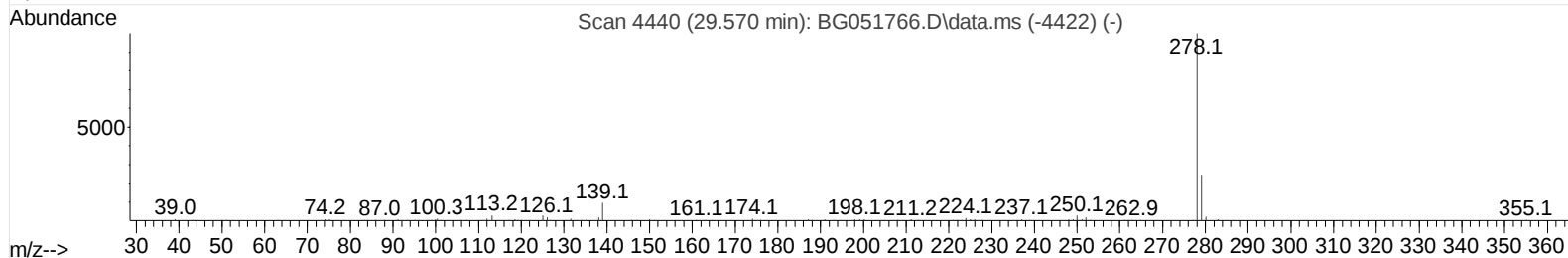
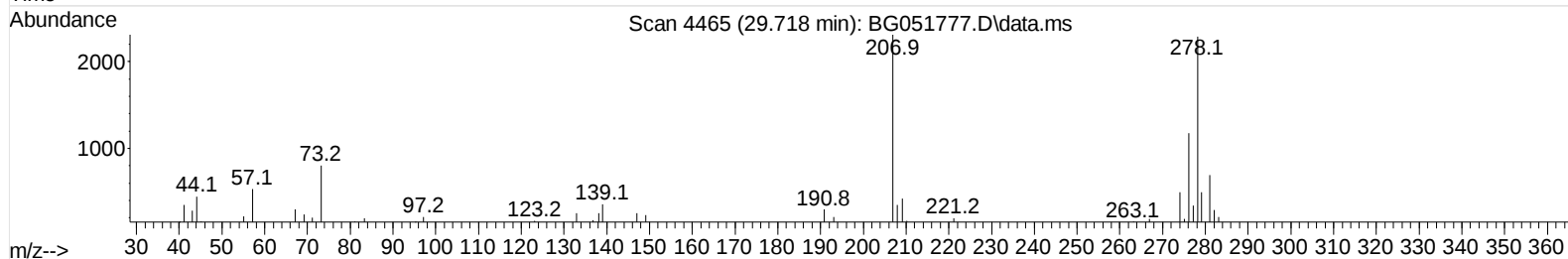
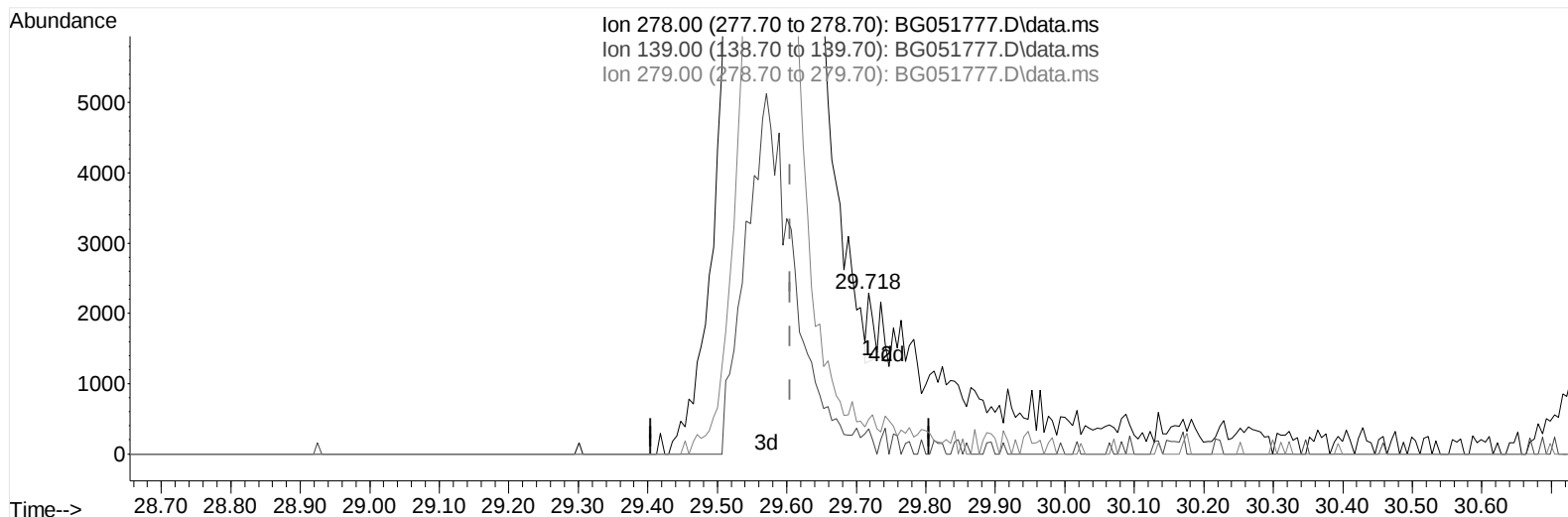
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TIC: BG051777.D\data.ms

(95) Dibenzo(a,h)anthracene

29.718min (+ 0.113) 0.04 ng/u1

response 587

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	15.30	15.60
279.00	24.40	21.55
0.00	0.00	0.00

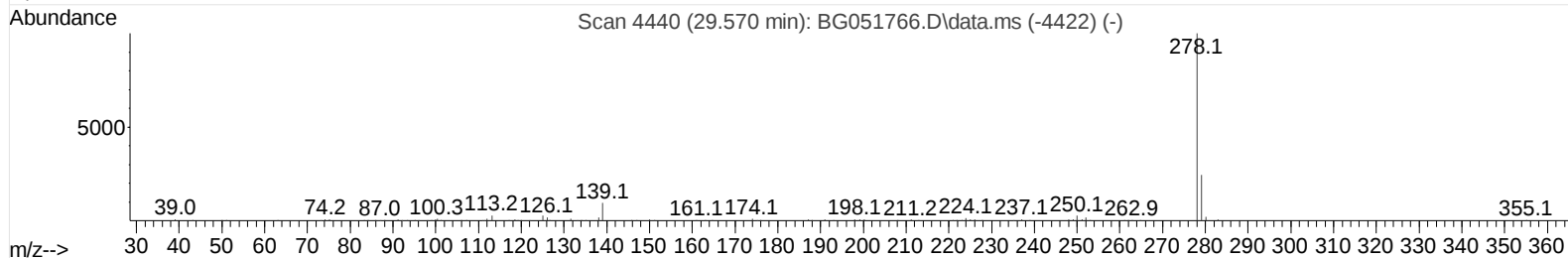
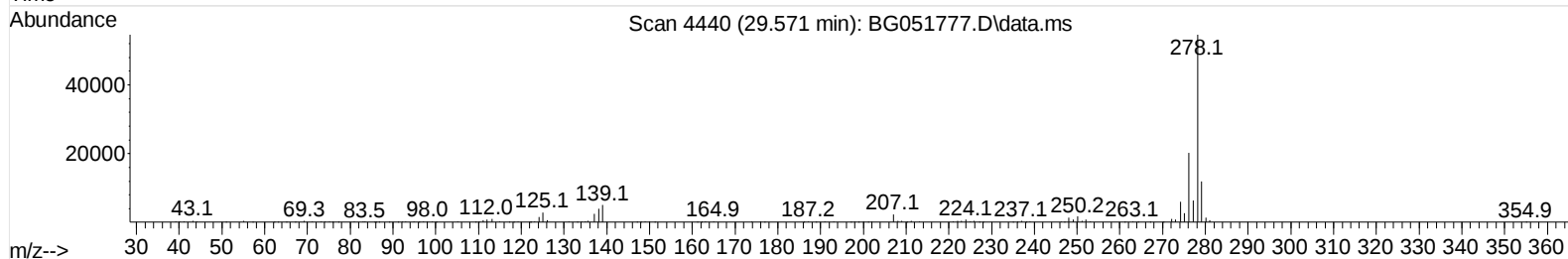
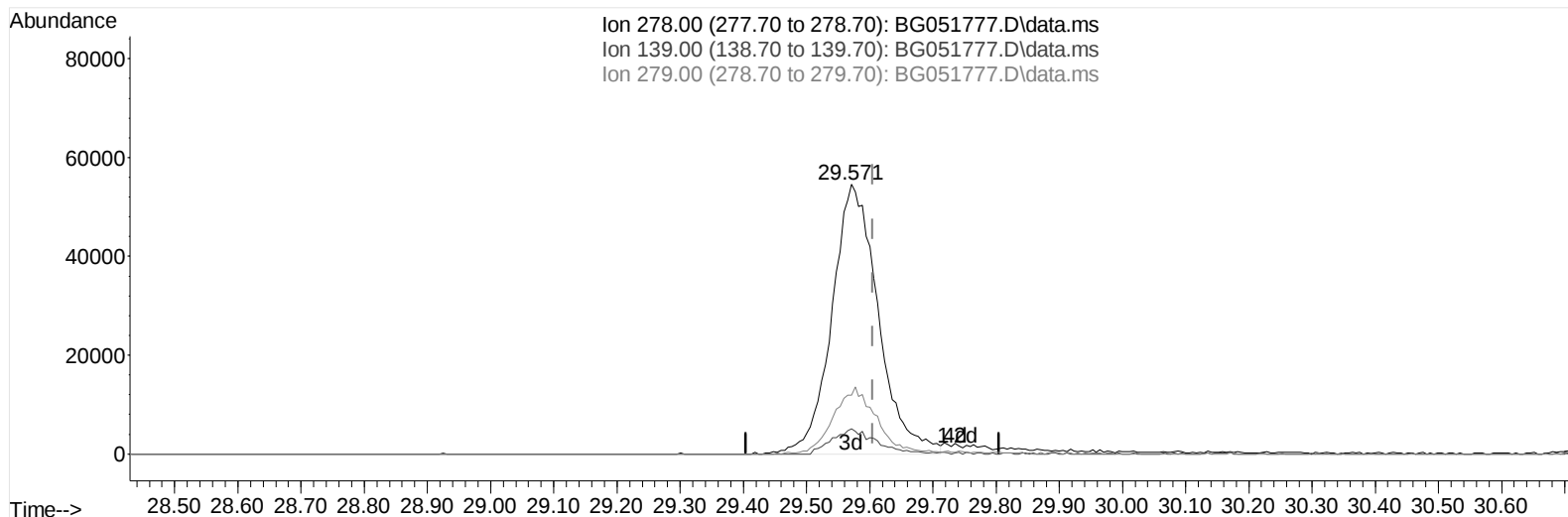
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122221\
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 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
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TIC: BG051777.D\data.ms

(95) Dibenzo(a,h)anthracene

29.571min (-0.034) 20.68 ng/ul m

response 278422

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	15.30	9.40#
279.00	24.40	21.79
0.00	0.00	0.00

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 ALS Vial : 28 Sample Multiplier: 1

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	37989	20.000	ng/ul	-0.01
20) Naphthalene-d8	11.119	136	155786	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.914	164	105720	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.658	188	241008	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.981	240	224699	20.000	ng/ul	# 0.00
88) Perylene-d12	25.476	264	228424	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.594	96	8007	8.753	ng/uL	-0.01
4) Pyridine-d5	4.023	84	63705	23.050	ng/ul	-0.02
7) Phenol-d5	7.413	99	71539	21.091	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.583	67	43915	21.779	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.806	132	50682	21.484	ng/ul	0.00
15) 4-Methylphenol-d8	8.975	113	56958	21.724	ng/ul	0.00
21) Nitrobenzene-d5	9.445	128	25765	22.558	ng/ul	-0.01
24) 2-Nitrophenol-d4	10.179	143	29412	23.556	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.726	165	58430	21.580	ng/ul	0.00
31) 4-Chloroaniline-d4	11.237	131	72147	20.238	ng/ul	0.00
46) Dimethylphthalate-d6	14.303	166	169673	20.052	ng/ul	-0.01
49) Acenaphthylene-d8	14.609	160	219166	20.855	ng/ul	0.00
54) 4-Nitrophenol-d4	15.079	143	25307m	18.391	ng/ul	0.00
60) Fluorene-d10	15.901	176	148368	19.571	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.001	200	24349	19.391	ng/ul	-0.01
73) Anthracene-d10	17.757	188	239199	20.806	ng/ul	0.00
81) Pyrene-d10	20.031	212	278374	20.584	ng/ul	-0.01
92) Benzo(a)pyrene-d12	25.230	264	252513	21.010	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.635	88	8509m	8.913	ng/uL	
5) Pyridine	4.047	79	64940	23.421	ng/ul	100
6) Benzaldehyde	7.401	77	52896	24.995	ng/ul	97
8) Phenol	7.442	94	73524	21.799	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.677	93	54883	21.330	ng/ul	94
12) 2-Chlorophenol	7.836	128	53499	22.108	ng/ul	93
13) 2-Methylphenol	8.711	108	54691	21.492	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.805	45	74606	21.376	ng/ul	98
16) Acetophenone	9.104	105	83851	20.360	ng/ul	91
17) N-Nitroso-di-n-propyla...	9.081	70	50153	20.295	ng/ul	99
18) 4-Methylphenol	9.040	108	57662	21.499	ng/ul	98
19) Hexachloroethane	9.381	117	21889	20.731	ng/ul	87
22) Nitrobenzene	9.486	77	73319	22.070	ng/ul	96
23) Isophorone	10.015	82	135577	20.328	ng/ul	99
25) 2-Nitrophenol	10.215	139	31325	23.471	ng/ul	98
26) 2,4-Dimethylphenol	10.262	107	66781	20.768	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.497	93	71608	20.220	ng/ul	98
29) 2,4-Dichlorophenol	10.749	162	54307	21.080	ng/ul	96
30) Naphthalene	11.172	128	173095	20.624	ng/ul	96
32) 4-Chloroaniline	11.260	127	74309	20.413	ng/ul	98
33) Hexachlorobutadiene	11.454	225	42462	19.414	ng/ul	94
34) Caprolactam	12.001	113	18475m	23.687	ng/ul	
35) 4-Chloro-3-methylphenol	12.365	107	60405	20.926	ng/ul	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.758	142	122347	20.433	ng/ul	97
37) 1-Methylnaphthalene	12.976	142	122707	19.737	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.117	216	79152	21.524	ng/ul	98
40) Hexachlorocyclopentadiene	13.105	237	46231	17.315	ng/ul	98
41) 2,4,6-Trichlorophenol	13.352	196	48039	21.580	ng/ul	98
42) 2,4,5-Trichlorophenol	13.422	196	52462	22.487	ng/ul	94
43) 1,1'-Biphenyl	13.745	154	166588	20.571	ng/ul#	98
44) 2-Chloronaphthalene	13.792	162	134789	21.529	ng/ul	96
45) 2-Nitroaniline	13.980	65	45343	23.707	ng/ul	93
47) Dimethylphthalate	14.350	163	165762	20.178	ng/ul	100
48) 2,6-Dinitrotoluene	14.468	165	35666	22.710	ng/ul	91
50) Acenaphthylene	14.638	152	210276	20.451	ng/ul	98
51) 3-Nitroaniline	14.797	138	34904	23.243	ng/ul#	95
52) Acenaphthene	14.973	153	140706	20.714	ng/ul	98
53) 2,4-Dinitrophenol	15.002	184	20091	22.131	ng/ul#	87
55) 4-Nitrophenol	15.091	109	26373	17.864	ng/ul	83
56) Dibenzofuran	15.308	168	201495	20.142	ng/ul	99
57) 2,4-Dinitrotoluene	15.255	165	50530	22.701	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.531	232	43432	19.588	ng/ul#	88
59) Diethylphthalate	15.707	149	165078	19.290	ng/ul	98
61) Fluorene	15.954	166	164346	19.938	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.942	204	91290	19.884	ng/ul	91
63) 4-Nitroaniline	15.954	138	33670	21.862	ng/ul#	84
66) 4,6-Dinitro-2-methylph...	16.019	198	24219	19.640	ng/ul#	98
67) N-Nitrosodiphenylamine	16.148	169	138995	21.442	ng/ul	100
68) 4-Bromophenyl-phenylether	16.835	248	60257	24.550	ng/ul#	87
69) Hexachlorobenzene	16.964	284	66006	21.401	ng/ul#	90
70) Atrazine	17.088	200	60025	20.636	ng/ul	95
71) Pentachlorophenol	17.305	266	38175	20.201	ng/ul	94
72) Phenanthrene	17.699	178	261062	21.060	ng/ul	99
74) Anthracene	17.793	178	256777	20.504	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.722	216	85162	22.969	ng/uL	93
76) Pentachlorobenzene	15.231	250	79552	22.444	ng/uL	95
77) Carbazole	18.051	167	232058	20.694	ng/ul	98
78) Di-n-butylphthalate	18.598	149	279205	20.689	ng/ul	99
80) Fluoranthene	19.696	202	323924	20.867	ng/ul#	91
82) Pyrene	20.060	202	314541	20.475	ng/ul#	89
83) Butylbenzylphthalate	20.930	149	113556	22.042	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.858	252	115762	21.860	ng/ul#	97
85) Benzo(a)anthracene	21.958	228	309732	21.187	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.840	149	162038	22.454	ng/ul#	97
87) Chrysene	22.028	228	294921	20.882	ng/ul	99
89) Di-n-octyl phthalate	23.150	149	273793	22.254	ng/ul	100
90) Benzo(b)fluoranthene	24.354	252	311968	20.390	ng/ul#	96
91) Benzo(k)fluoranthene	24.425	252	299945	20.934	ng/ul#	96
93) Benzo(a)pyrene	25.306	252	299821	20.763	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	29.500	276	325896m	20.673	ng/ul	
95) Dibenzo(a,h)anthracene	29.571	278	278422m	20.678	ng/ul	
96) Benzo(g,h,i)perylene	30.758	276	258897	19.379	ng/ul#	88

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

