

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051123\
 Data File : BG057392.D
 Acq On : 11 May 2023 9:58
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc : SFAM SPIKE
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020486

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 05/12/2023
 Supervised By : Jagrut Upadhyay 05/15/2023

Quant Time: May 11 23:39:16 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed May 10 11:18:43 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.367	152	15839	20.000	ng/u1	0.00
20) Naphthalene-d8	11.204	136	65490	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.981	164	52437	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.719	188	130518	20.000	ng/u1	0.00
79) Chrysene-d12	22.031	240	126044	20.000	ng/u1	# 0.00
88) Perylene-d12	25.538	264	133311	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.644	96	3125	8.682	ng/uL	0.00
4) Pyridine-d5	4.084	84	21536	18.979	ng/u1	0.00
7) Phenol-d5	7.509	99	30563	20.404	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.668	67	16559	18.795	ng/u1	0.00
11) 2-Chlorophenol-d4	7.891	132	20901	21.174	ng/u1	0.00
15) 4-Methylphenol-d8	9.066	113	23472	20.617	ng/u1	0.00
21) Nitrobenzene-d5	9.542	128	11504	22.058	ng/u1	0.00
24) 2-Nitrophenol-d4	10.270	143	13637	22.405	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.816	165	26863	22.876	ng/u1	0.00
31) 4-Chloroaniline-d4	11.333	131	33981	21.834	ng/u1	0.00
46) Dimethylphthalate-d6	14.365	166	86937	20.924	ng/u1	0.00
49) Acenaphthylene-d8	14.682	160	99499	21.307	ng/u1	0.00
54) 4-Nitrophenol-d4	15.169	143	11711	19.364	ng/u1	0.00
60) Fluorene-d10	15.962	176	80567	20.815	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.086	200	15834	20.476	ng/u1	0.00
73) Anthracene-d10	17.819	188	132041	22.164	ng/u1	0.00
81) Pyrene-d10	20.080	212	156016	20.853	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.291	264	142525	20.985	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.685	88	3420	8.960	ng/uL#	81
5) Pyridine	4.108	79	23775	19.876	ng/u1	91
6) Benzaldehyde	7.492	77	8919	19.495	ng/u1#	82
8) Phenol	7.533	94	30550	20.235	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.762	93	22308	19.743	ng/u1	91
12) 2-Chlorophenol	7.926	128	22442	21.645	ng/u1	94
13) 2-Methylphenol	8.802	108	23464	20.054	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.884	45	25794	17.706	ng/u1#	95
16) Acetophenone	9.195	105	38146	19.472	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.166	70	20940	18.601	ng/u1	93
18) 4-Methylphenol	9.130	108	25273	19.956	ng/u1	95
19) Hexachloroethane	9.465	117	9202	21.212	ng/u1	95
22) Nitrobenzene	9.589	77	31954	20.575	ng/u1	99
23) Isophorone	10.106	82	58463	19.786	ng/u1	96
25) 2-Nitrophenol	10.305	139	14191	23.019	ng/u1	92
26) 2,4-Dimethylphenol	10.347	107	29853	21.346	ng/u1	88
27) Bis(2-Chloroethoxy)met...	10.576	93	31223	20.328	ng/u1	99
29) 2,4-Dichlorophenol	10.846	162	25932	23.266	ng/u1	97
30) Naphthalene	11.257	128	79137	22.008	ng/u1	97
32) 4-Chloroaniline	11.357	127	35776	22.061	ng/u1	89
33) Hexachlorobutadiene	11.527	225	21793	23.052	ng/u1	96
34) Caprolactam	12.097	113	8431m	22.469	ng/u1	
35) 4-Chloro-3-methylphenol	12.455	107	28238	22.019	ng/u1	99
36) 2-Methylnaphthalene	12.831	142	57094	21.652	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.049	142	57548	21.704	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.196	216	42250	22.172	ng/ul	97
40) Hexachlorocyclopentadiene	13.166	237	16491	17.342	ng/ul	99
41) 2,4,6-Trichlorophenol	13.425	196	23555	21.224	ng/ul	90
42) 2,4,5-Trichlorophenol	13.507	196	26254m	22.034	ng/ul	
43) 1,1'-Biphenyl	13.812	154	85618	21.398	ng/ul	99
44) 2-Chloronaphthalene	13.871	162	66569	21.457	ng/ul	98
45) 2-Nitroaniline	14.065	65	19719	21.055	ng/ul	92
47) Dimethylphthalate	14.412	163	85495	20.490	ng/ul	99
48) 2,6-Dinitrotoluene	14.547	165	19150	22.302	ng/ul	96
50) Acenaphthylene	14.705	152	102415	21.581	ng/ul	98
51) 3-Nitroaniline	14.876	138	13436	22.083	ng/ul	93
52) Acenaphthene	15.046	153	72041	21.307	ng/ul	97
53) 2,4-Dinitrophenol	15.099	184	10878	23.789	ng/ul	95
55) 4-Nitrophenol	15.181	109	11610	16.934	ng/ul	92
56) Dibenzofuran	15.375	168	104257	21.353	ng/ul	98
57) 2,4-Dinitrotoluene	15.334	165	27031	21.990	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.604	232	23157	21.388	ng/ul	93
59) Diethylphthalate	15.757	149	87478	20.636	ng/ul	96
61) Fluorene	16.021	166	87457	21.183	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.998	204	51687	21.449	ng/ul	98
63) 4-Nitroaniline	16.033	138	8881	15.414	ng/ul	95
66) 4,6-Dinitro-2-methylph...	16.098	198	15633	19.839	ng/ul#	99
67) N-Nitrosodiphenylamine	16.209	169	75420	22.121	ng/ul	99
68) 4-Bromophenyl-phenylether	16.891	248	34285	21.978	ng/ul	95
69) Hexachlorobenzene	17.026	284	38495	23.434	ng/ul	97
70) Atrazine	17.143	200	34138	22.529	ng/ul	99
71) Pentachlorophenol	17.378	266	15037m	19.803	ng/ul	
72) Phenanthrene	17.760	178	149341	21.972	ng/ul	97
74) Anthracene	17.854	178	152436	22.327	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.795	216	43705	22.263	ng/uL	98
76) Pentachlorobenzene	15.299	250	44307	22.173	ng/uL	95
77) Carbazole	18.118	167	126871	22.236	ng/ul	99
78) Di-n-butylphthalate	18.635	149	147628	22.627	ng/ul	99
80) Fluoranthene	19.751	202	186520	20.987	ng/ul	97
82) Pyrene	20.116	202	188818	20.987	ng/ul	99
83) Butylbenzylphthalate	20.962	149	64476	22.378	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.901	252	66509	23.759	ng/ul	97
85) Benzo(a)anthracene	22.007	228	191021	21.428	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.849	149	93134	22.225	ng/ul	98
87) Chrysene	22.078	228	177010	21.046	ng/ul	98
89) Di-n-octyl phthalate	23.147	149	156142	21.210	ng/ul	100
90) Benzo(b)fluoranthene	24.410	252	193492m	20.960	ng/ul	
91) Benzo(k)fluoranthene	24.480	252	188837	21.025	ng/ul	97
93) Benzo(a)pyrene	25.367	252	165313	20.742	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.585	276	210728	21.152	ng/ul	97
95) Dibenzo(a,h)anthracene	29.626	278	174948	21.177	ng/ul#	97
96) Benzo(g,h,i)perylene	30.848	276	167913	20.825	ng/ul	98

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

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Manual Integrations

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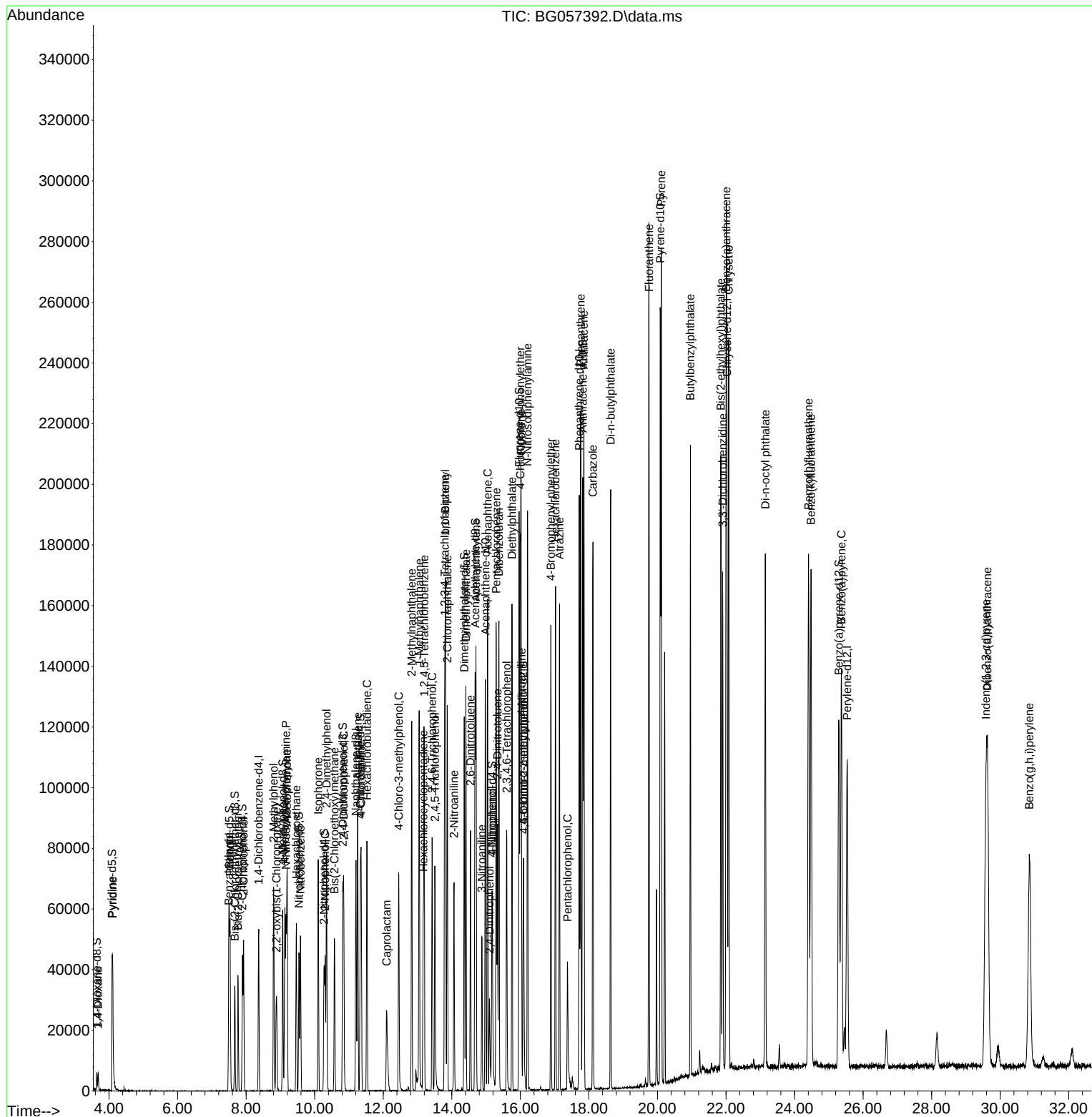
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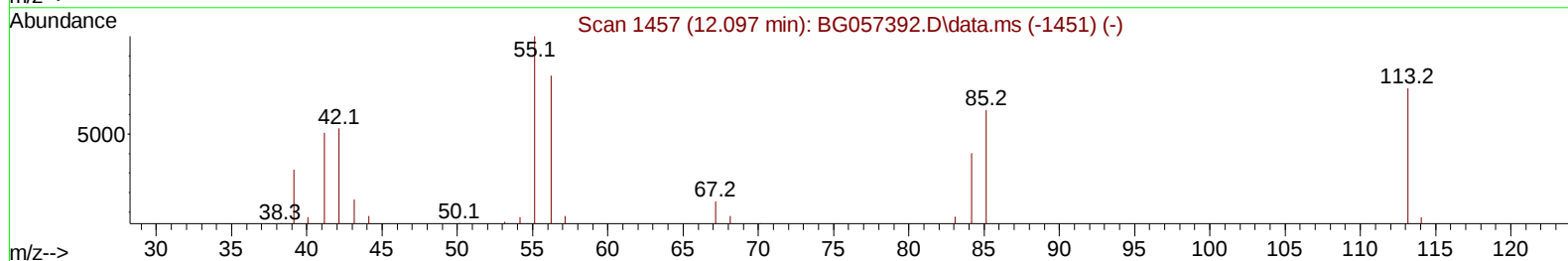
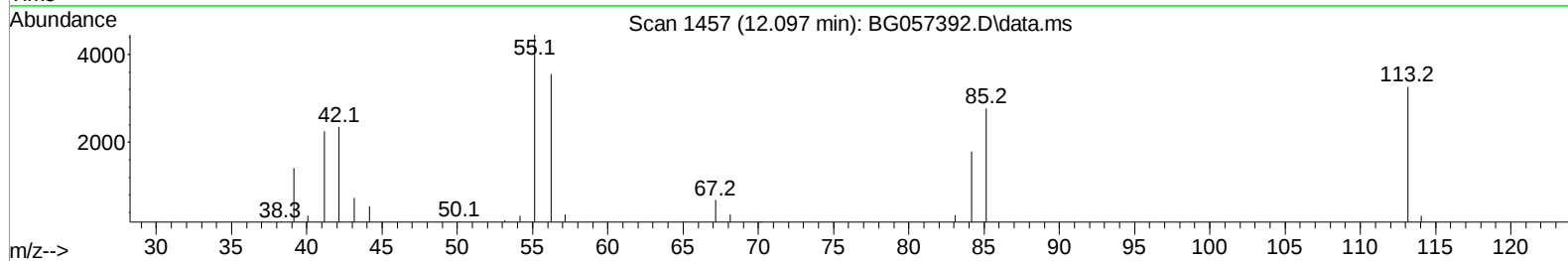
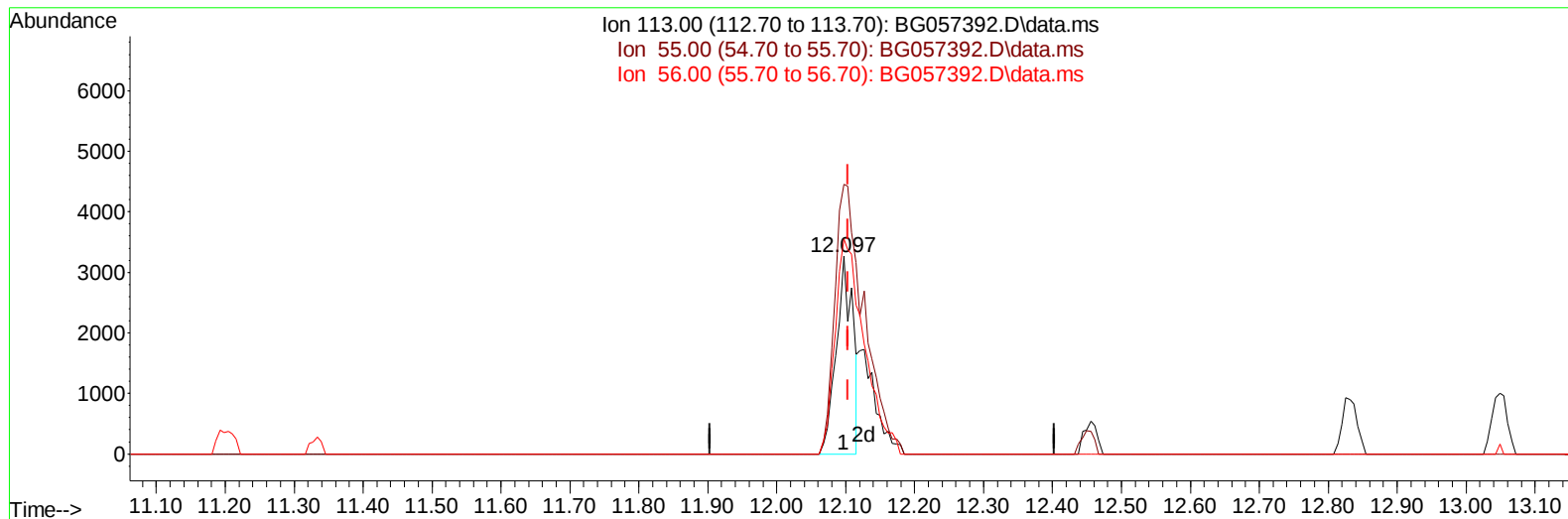
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TIC: BG057392.D\data.ms

(34) Caprolactam

12.097min (-0.006) 14.47 ng/ul

response 5428

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	153.90	136.32
56.00	123.40	108.67
0.00	0.00	0.00

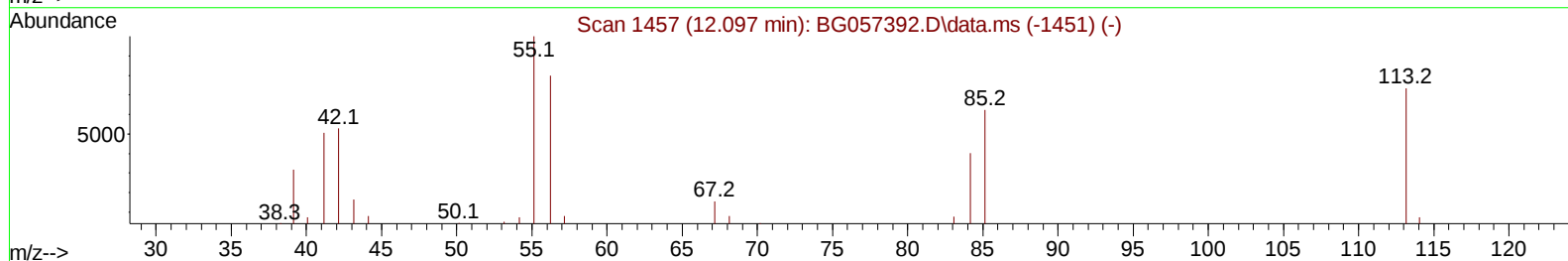
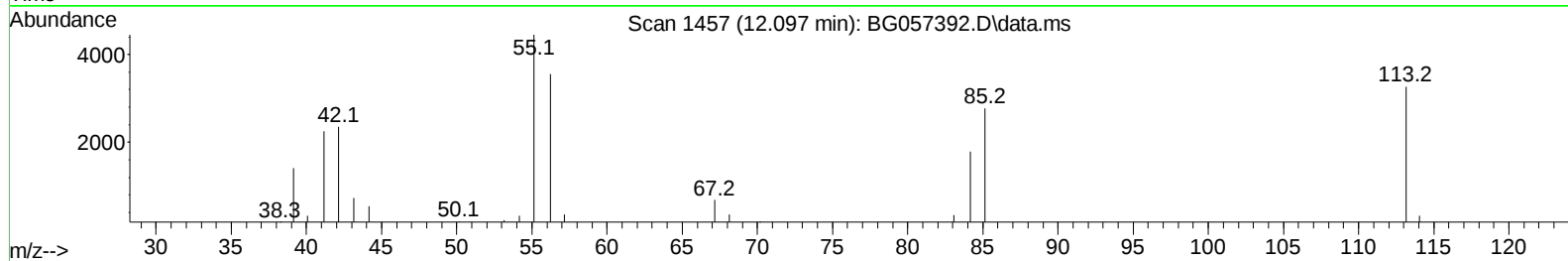
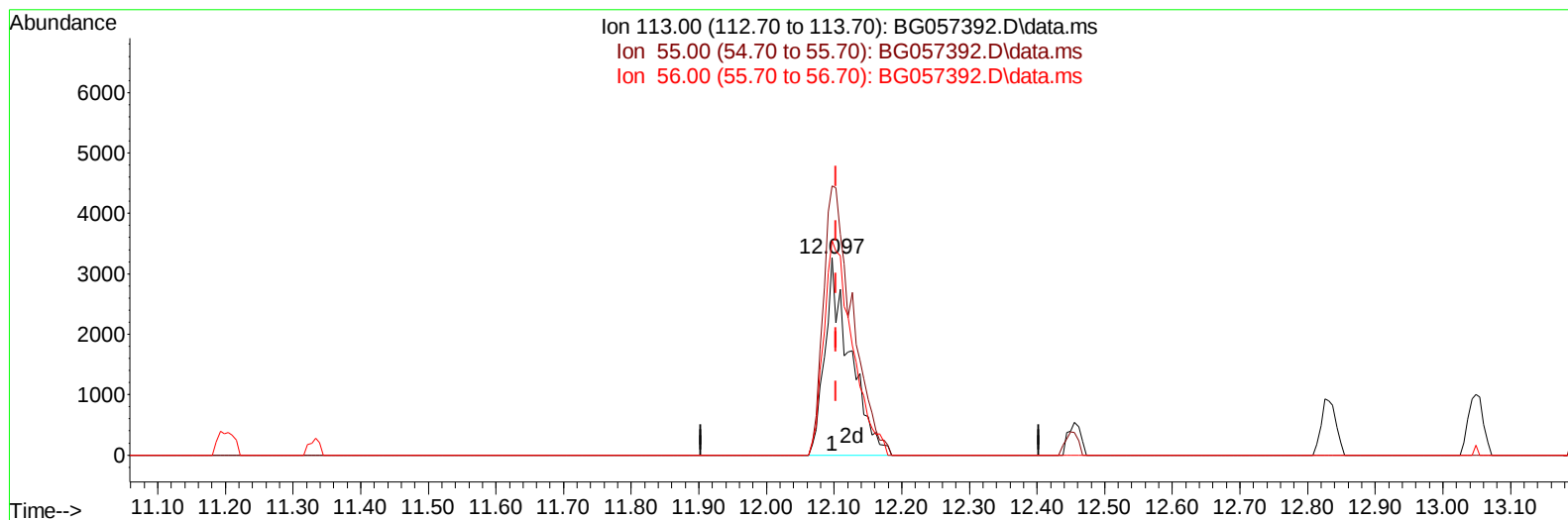
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(34) Caprolactam

12.097min (-0.006) 22.47 ng/ul m

response 8431

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	153.90	136.32
56.00	123.40	108.67
0.00	0.00	0.00

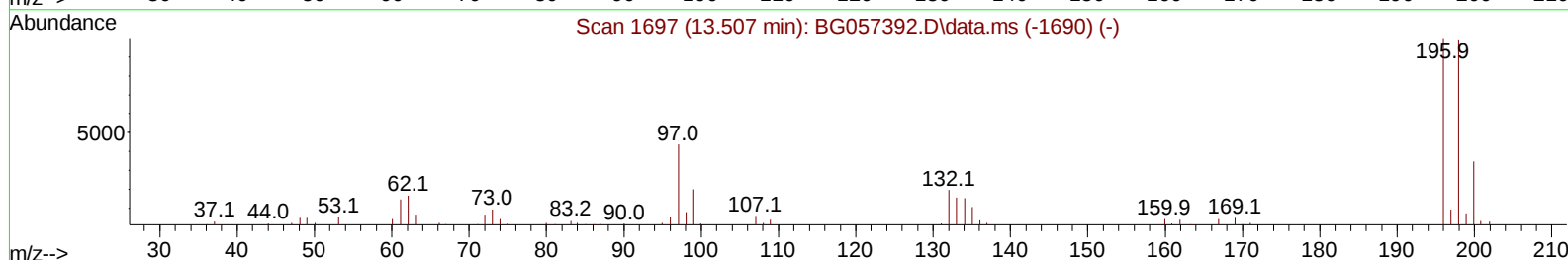
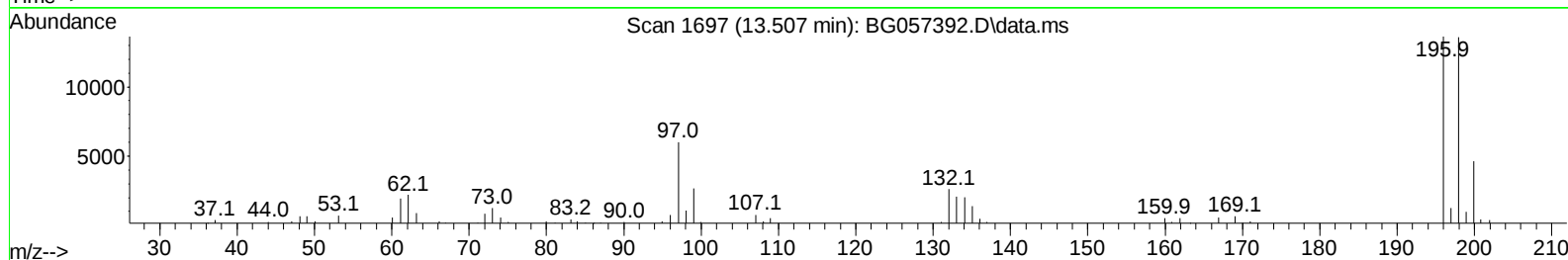
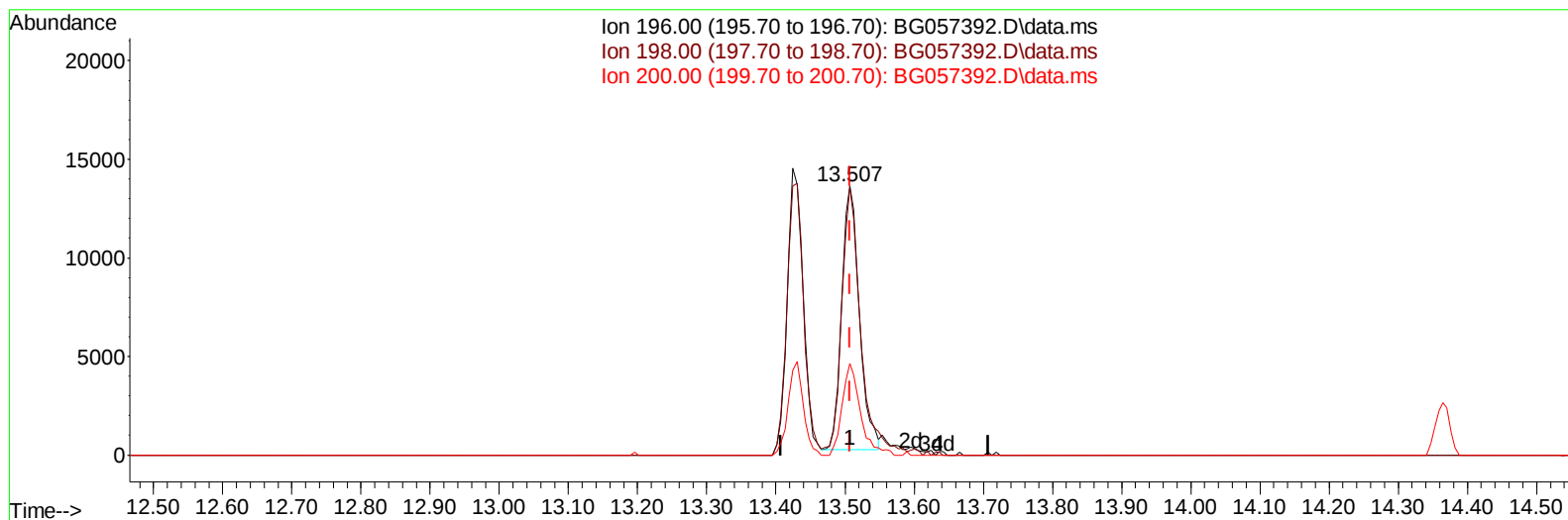
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TIC: BG057392.D\data.ms

(42) 2,4,5-Trichlorophenol

13.507min (-0.000) 19.97 ng/u1

response 23799

Ion	Exp%	Act%
196.00	100.00	100.00
198.00	107.10	99.60
200.00	37.40	34.09
0.00	0.00	0.00

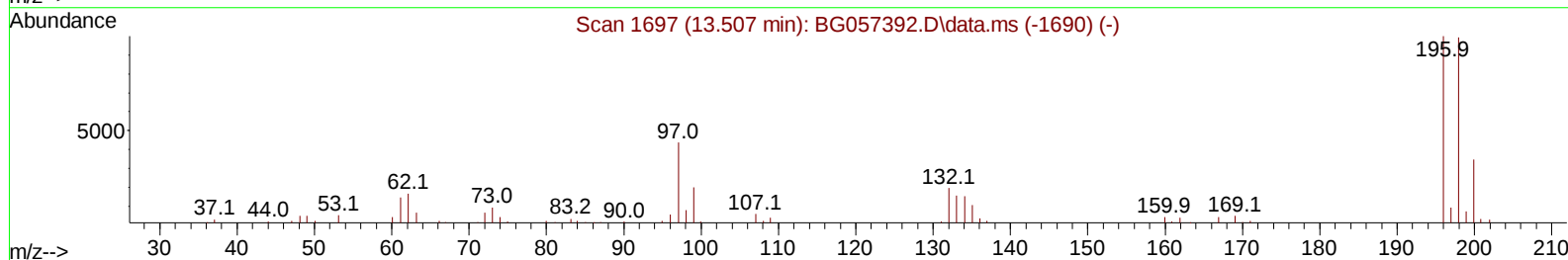
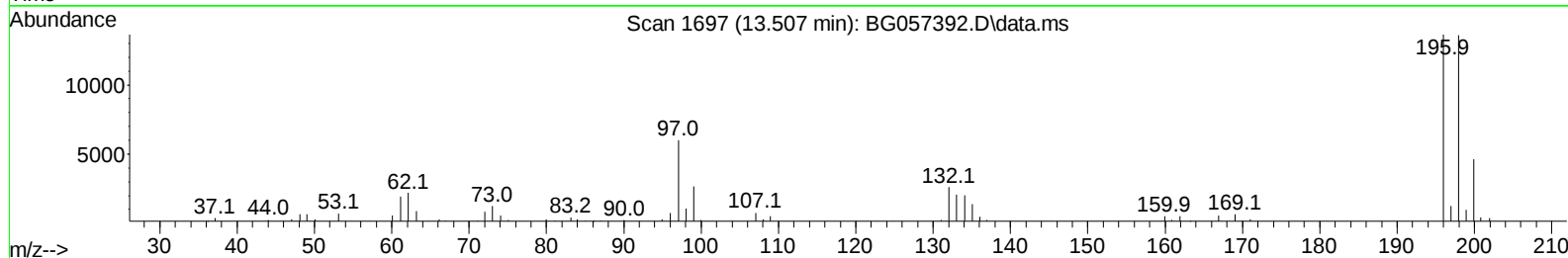
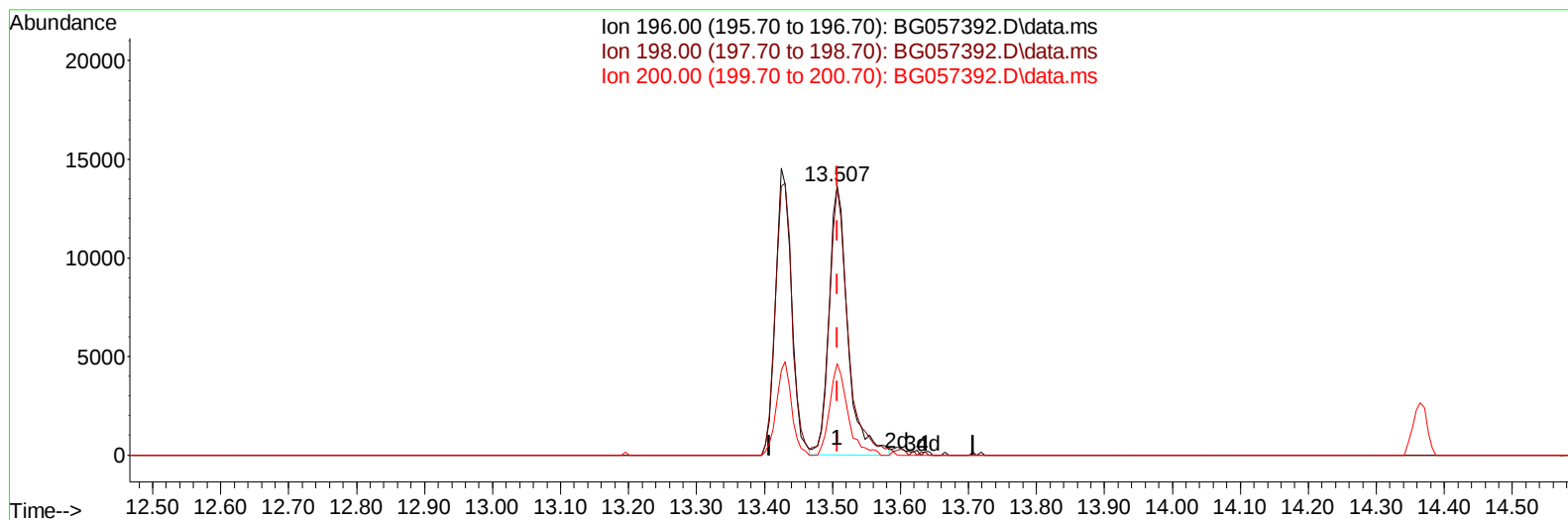
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(42) 2,4,5-Trichlorophenol

13.507min (-0.000) 22.03 ng/ul m

response 26254

Ion	Exp%	Act%
196.00	100.00	100.00
198.00	107.10	99.60
200.00	37.40	34.09
0.00	0.00	0.00

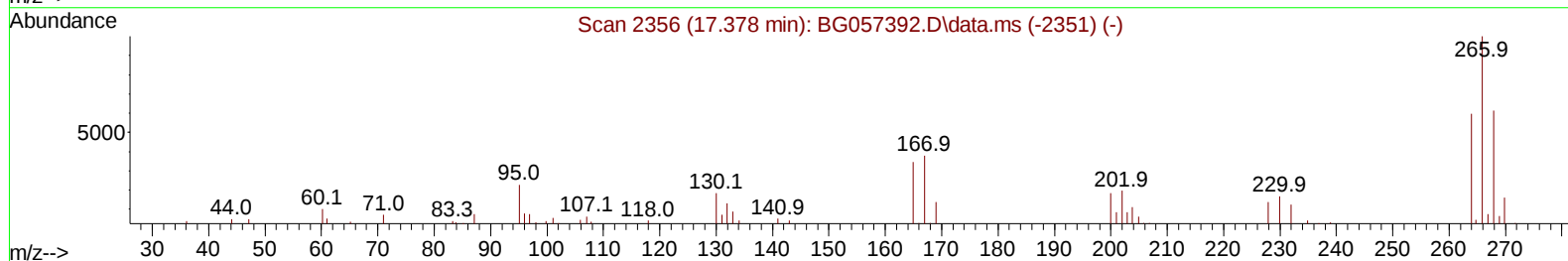
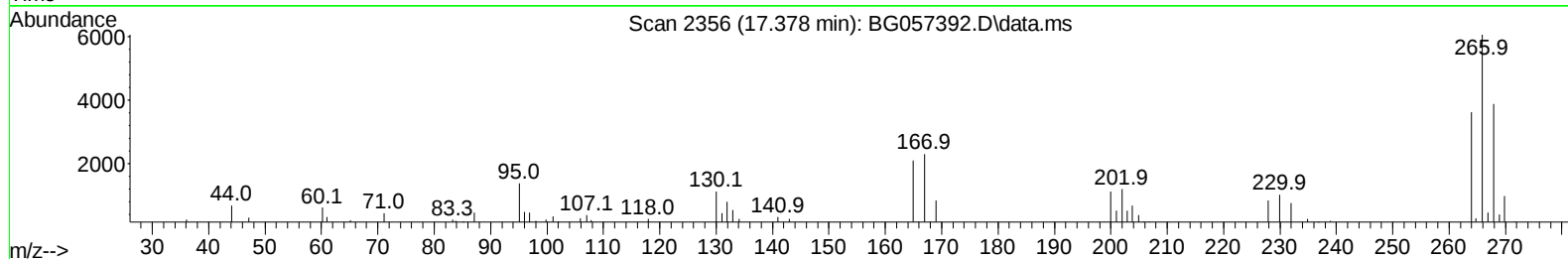
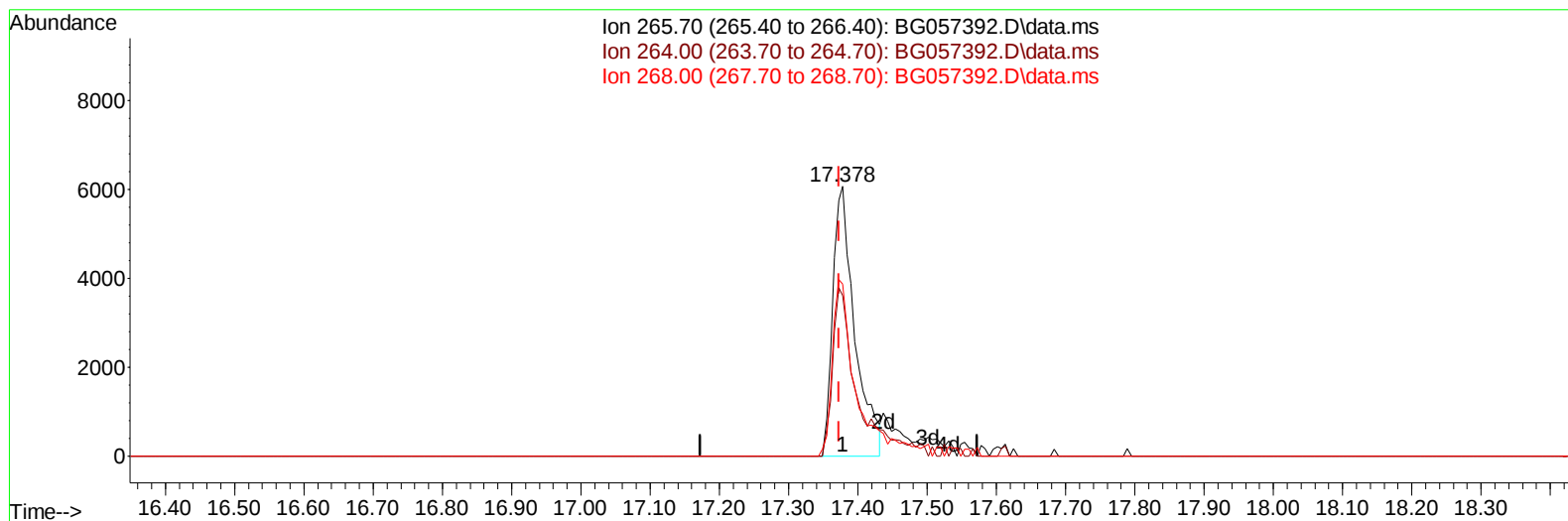
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(71) Pentachlorophenol (C)

17.378min (+ 0.006) 17.52 ng/u1

response 13300

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	59.70	59.54
268.00	60.30	63.88
0.00	0.00	0.00

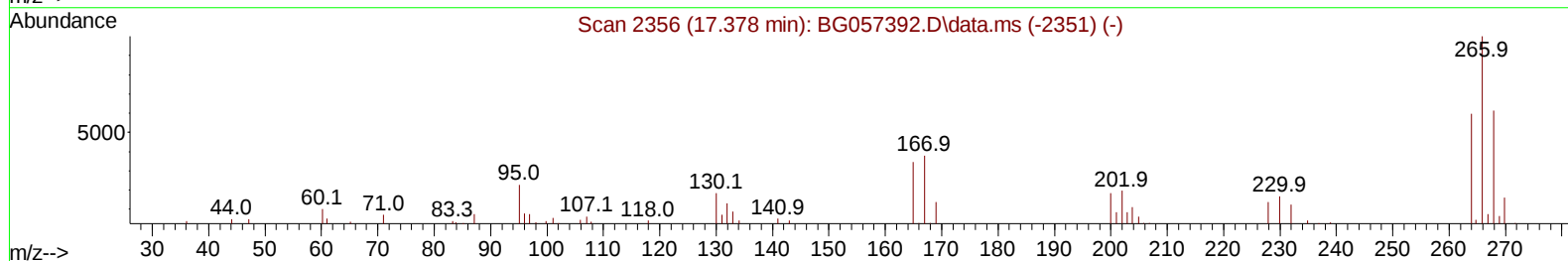
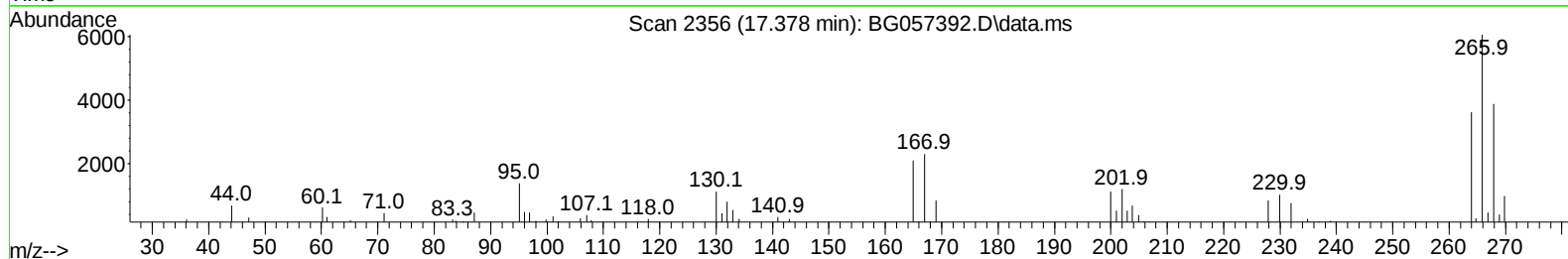
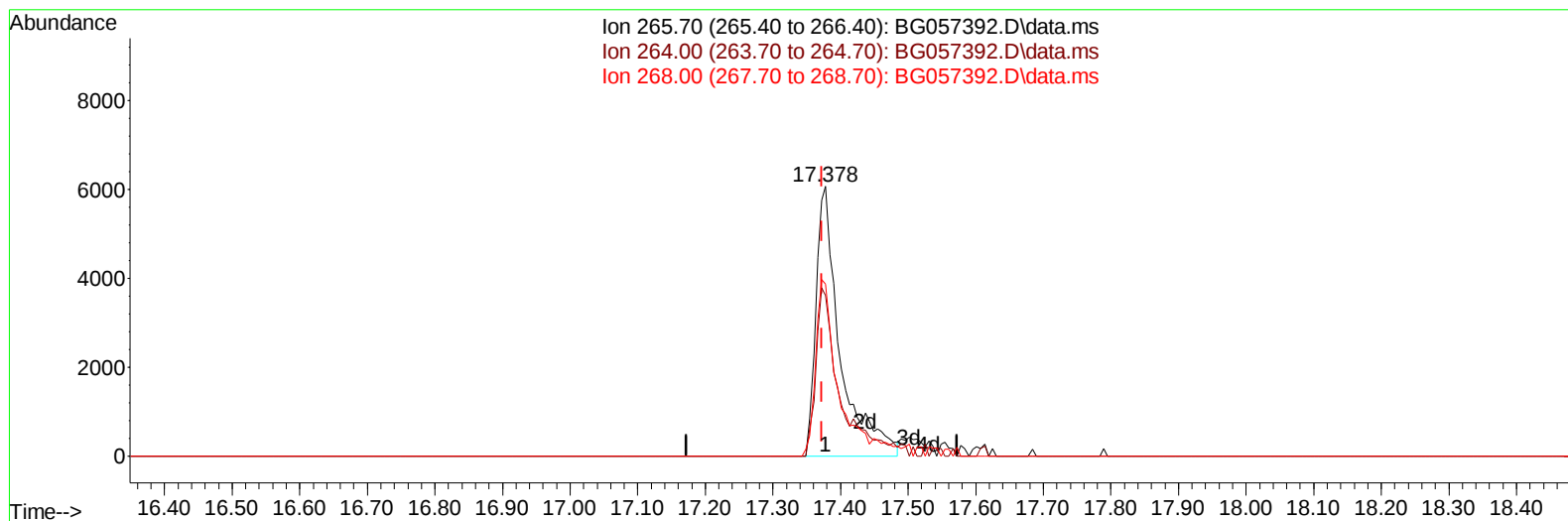
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(71) Pentachlorophenol (C)

17.378min (+ 0.006) 19.80 ng/ul m

response 15037

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	59.70	59.54
268.00	60.30	63.88
0.00	0.00	0.00

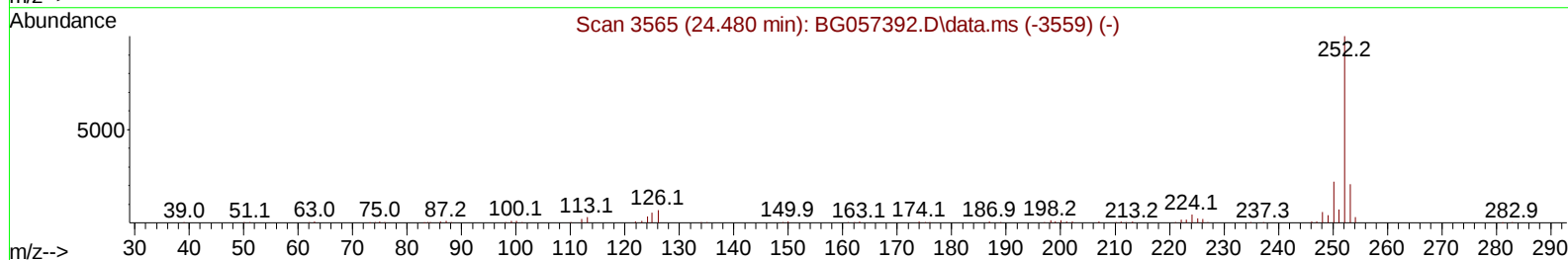
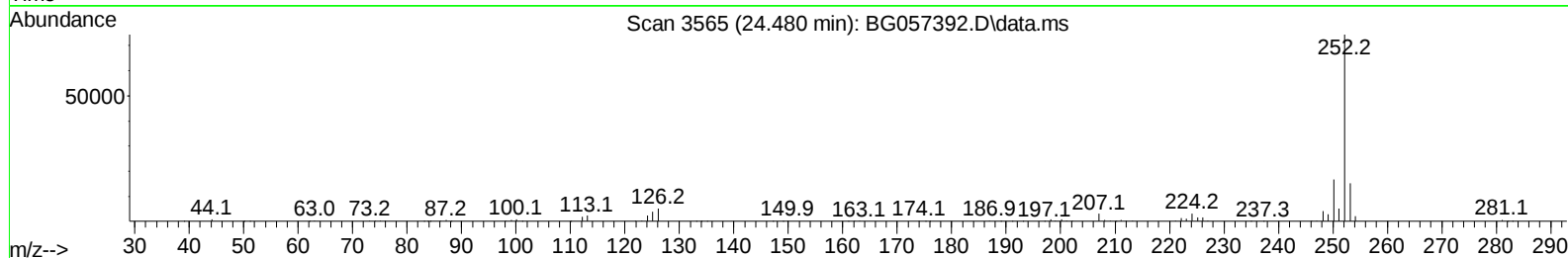
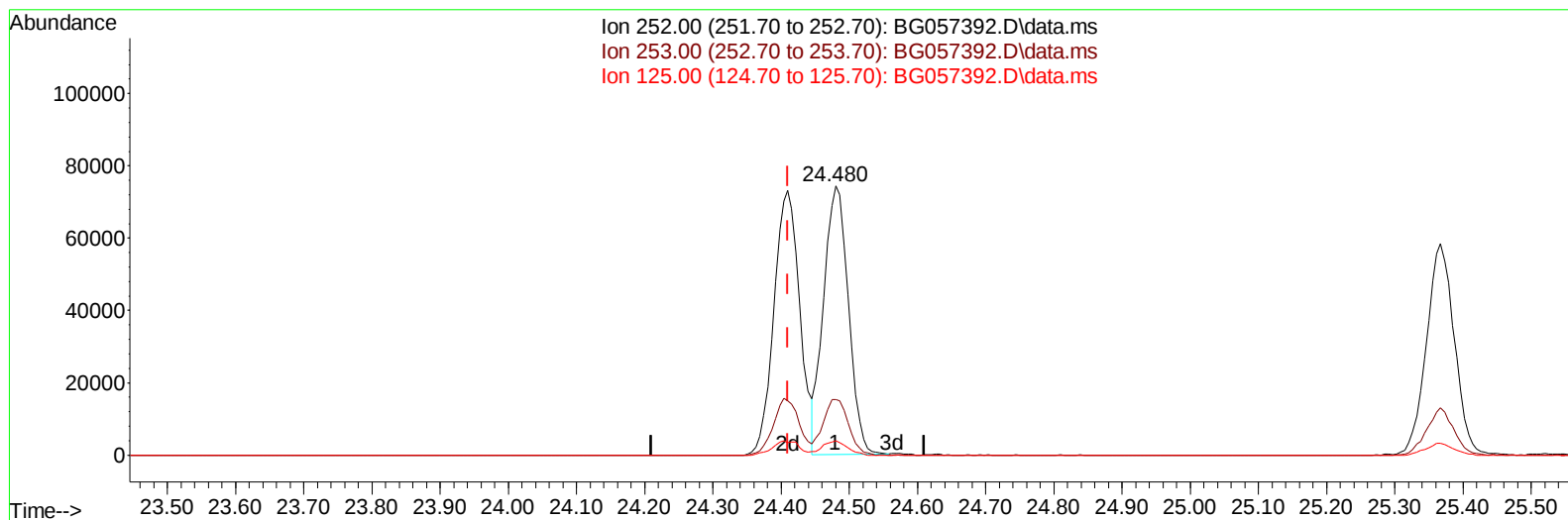
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TIC: BG057392.D\data.ms

(90) Benzo(b)fluoranthene

24.480min (+ 0.070) 20.34 ng/u1

response 187813

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.90	20.64
125.00	6.00	5.42
0.00	0.00	0.00

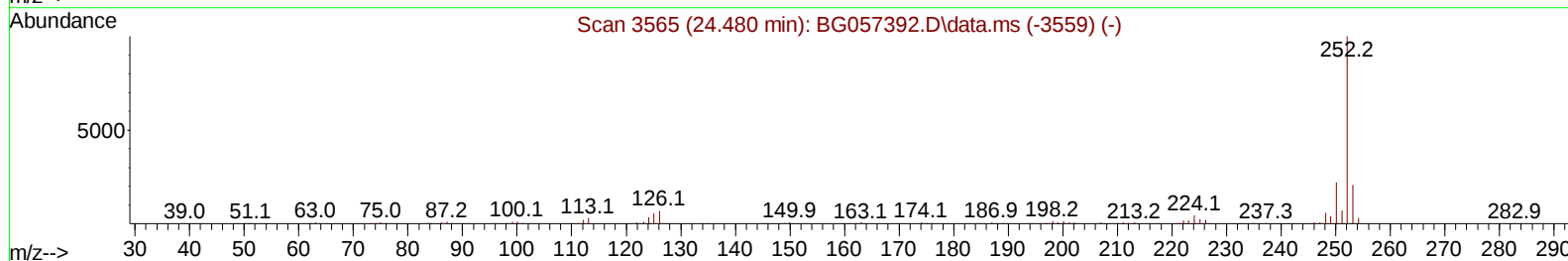
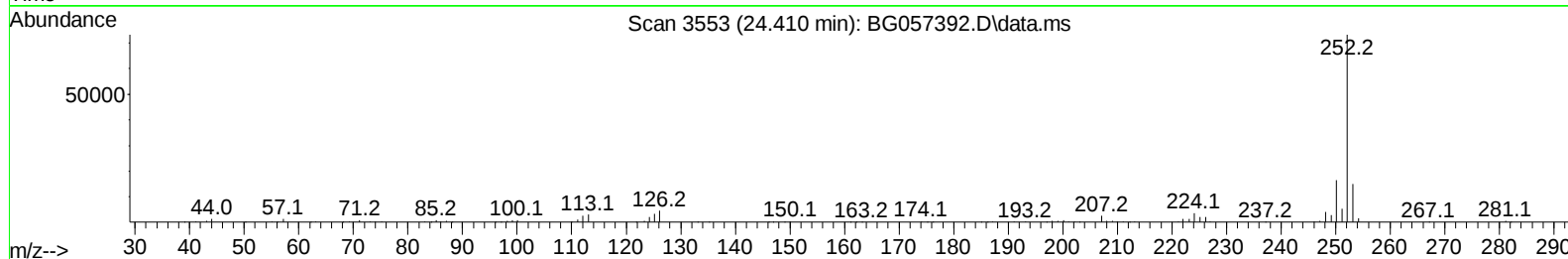
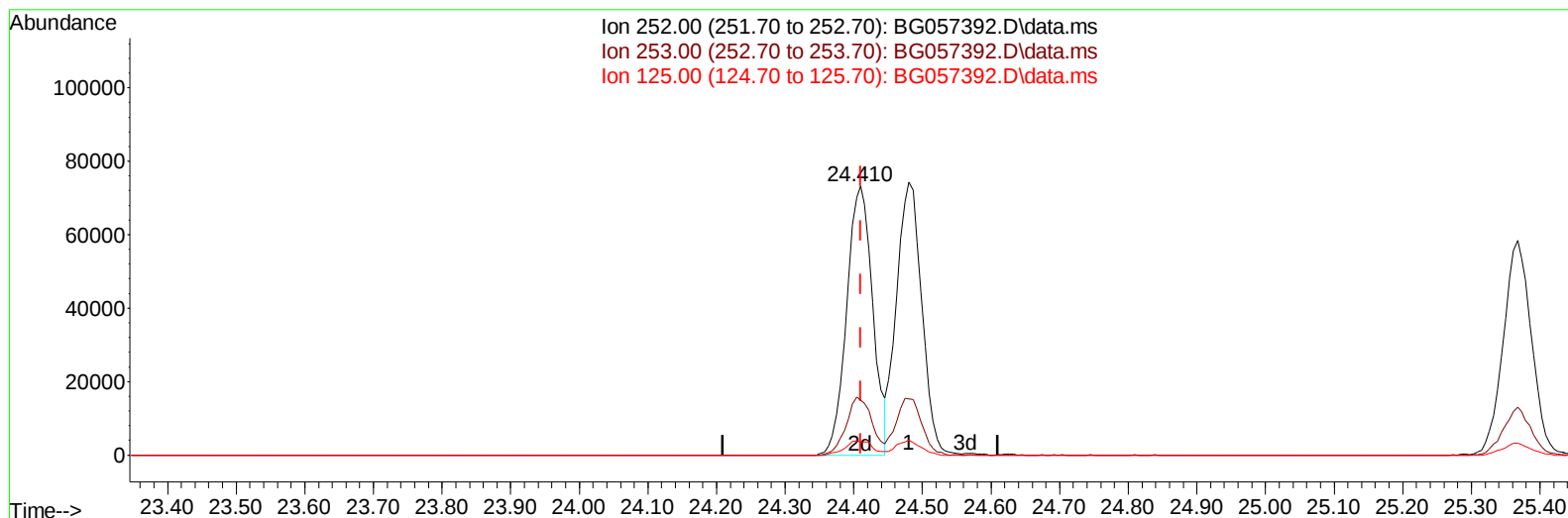
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051123\
 Data File : BG057392.D
 Acq On : 11 May 2023 9:58
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020486

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/12/2023
 Supervised By : Jagrut Upadhyay 05/15/2023

Quant Time: May 11 23:37:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 10 11:18:43 2023
 Response via : Initial Calibration



TIC: BG057392.D\data.ms

(90) Benzo(b)fluoranthene

24.410min (-0.000) 20.96 ng/ul m

response 193492

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.90	20.41
125.00	6.00	4.76#
0.00	0.00	0.00

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 Data File : BG057392.D
 Acq On : 11 May 2023 9:58
 Operator : CG/JU
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 Misc :
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Reviewed By : Christian Giraldo 05/12/2023
 Supervised By : Jagrut Upadhyay 05/15/2023

Quant Time: May 11 23:39:16 2023
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 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 10 11:18:43 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.367	152	15839	20.000	ng/ul	0.00
20) Naphthalene-d8	11.204	136	65490	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.981	164	52437	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.719	188	130518	20.000	ng/ul	0.00
79) Chrysene-d12	22.031	240	126044	20.000	ng/ul	# 0.00
88) Perylene-d12	25.538	264	133311	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.644	96	3125	8.682	ng/uL	0.00
4) Pyridine-d5	4.084	84	21536	18.979	ng/ul	0.00
7) Phenol-d5	7.509	99	30563	20.404	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.668	67	16559	18.795	ng/ul	0.00
11) 2-Chlorophenol-d4	7.891	132	20901	21.174	ng/ul	0.00
15) 4-Methylphenol-d8	9.066	113	23472	20.617	ng/ul	0.00
21) Nitrobenzene-d5	9.542	128	11504	22.058	ng/ul	0.00
24) 2-Nitrophenol-d4	10.270	143	13637	22.405	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.816	165	26863	22.876	ng/ul	0.00
31) 4-Chloroaniline-d4	11.333	131	33981	21.834	ng/ul	0.00
46) Dimethylphthalate-d6	14.365	166	86937	20.924	ng/ul	0.00
49) Acenaphthylene-d8	14.682	160	99499	21.307	ng/ul	0.00
54) 4-Nitrophenol-d4	15.169	143	11711	19.364	ng/ul	0.00
60) Fluorene-d10	15.962	176	80567	20.815	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.086	200	15834	20.476	ng/ul	0.00
73) Anthracene-d10	17.819	188	132041	22.164	ng/ul	0.00
81) Pyrene-d10	20.080	212	156016	20.853	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.291	264	142525	20.985	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.685	88	3420	8.960	ng/ul#	81
5) Pyridine	4.108	79	23775	19.876	ng/ul	91
6) Benzaldehyde	7.492	77	8919	19.495	ng/ul#	82
8) Phenol	7.533	94	30550	20.235	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.762	93	22308	19.743	ng/ul	91
12) 2-Chlorophenol	7.926	128	22442	21.645	ng/ul	94
13) 2-Methylphenol	8.802	108	23464	20.054	ng/ul	91
14) 2,2'-oxybis(1-Chloropr...	8.884	45	25794	17.706	ng/ul#	95
16) Acetophenone	9.195	105	38146	19.472	ng/ul	95
17) N-Nitroso-di-n-propyla...	9.166	70	20940	18.601	ng/ul	93
18) 4-Methylphenol	9.130	108	25273	19.956	ng/ul	95
19) Hexachloroethane	9.465	117	9202	21.212	ng/ul	95
22) Nitrobenzene	9.589	77	31954	20.575	ng/ul	99
23) Isophorone	10.106	82	58463	19.786	ng/ul	96
25) 2-Nitrophenol	10.305	139	14191	23.019	ng/ul	92
26) 2,4-Dimethylphenol	10.347	107	29853	21.346	ng/ul	88
27) Bis(2-Chloroethoxy)met...	10.576	93	31223	20.328	ng/ul	99
29) 2,4-Dichlorophenol	10.846	162	25932	23.266	ng/ul	97
30) Naphthalene	11.257	128	79137	22.008	ng/ul	97
32) 4-Chloroaniline	11.357	127	35776	22.061	ng/ul	89
33) Hexachlorobutadiene	11.527	225	21793	23.052	ng/ul	96
34) Caprolactam	12.097	113	8431m	22.469	ng/ul	
35) 4-Chloro-3-methylphenol	12.455	107	28238	22.019	ng/ul	99

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Manual Integrations
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.831	142	57094	21.652	ng/ul	98
37) 1-Methylnaphthalene	13.049	142	57548	21.704	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.196	216	42250	22.172	ng/ul	97
40) Hexachlorocyclopentadiene	13.166	237	16491	17.342	ng/ul	99
41) 2,4,6-Trichlorophenol	13.425	196	23555	21.224	ng/ul	90
42) 2,4,5-Trichlorophenol	13.507	196	26254m	22.034	ng/ul	
43) 1,1'-Biphenyl	13.812	154	85618	21.398	ng/ul	99
44) 2-Chloronaphthalene	13.871	162	66569	21.457	ng/ul	98
45) 2-Nitroaniline	14.065	65	19719	21.055	ng/ul	92
47) Dimethylphthalate	14.412	163	85495	20.490	ng/ul	99
48) 2,6-Dinitrotoluene	14.547	165	19150	22.302	ng/ul	96
50) Acenaphthylene	14.705	152	102415	21.581	ng/ul	98
51) 3-Nitroaniline	14.876	138	13436	22.083	ng/ul	93
52) Acenaphthene	15.046	153	72041	21.307	ng/ul	97
53) 2,4-Dinitrophenol	15.099	184	10878	23.789	ng/ul	95
55) 4-Nitrophenol	15.181	109	11610	16.934	ng/ul	92
56) Dibenzofuran	15.375	168	104257	21.353	ng/ul	98
57) 2,4-Dinitrotoluene	15.334	165	27031	21.990	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.604	232	23157	21.388	ng/ul	93
59) Diethylphthalate	15.757	149	87478	20.636	ng/ul	96
61) Fluorene	16.021	166	87457	21.183	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.998	204	51687	21.449	ng/ul	98
63) 4-Nitroaniline	16.033	138	8881	15.414	ng/ul	95
66) 4,6-Dinitro-2-methylph...	16.098	198	15633	19.839	ng/ul#	99
67) N-Nitrosodiphenylamine	16.209	169	75420	22.121	ng/ul	99
68) 4-Bromophenyl-phenylether	16.891	248	34285	21.978	ng/ul	95
69) Hexachlorobenzene	17.026	284	38495	23.434	ng/ul	97
70) Atrazine	17.143	200	34138	22.529	ng/ul	99
71) Pentachlorophenol	17.378	266	15037m	19.803	ng/ul	
72) Phenanthrene	17.760	178	149341	21.972	ng/ul	97
74) Anthracene	17.854	178	152436	22.327	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.795	216	43705	22.263	ng/uL	98
76) Pentachlorobenzene	15.299	250	44307	22.173	ng/uL	95
77) Carbazole	18.118	167	126871	22.236	ng/ul	99
78) Di-n-butylphthalate	18.635	149	147628	22.627	ng/ul	99
80) Fluoranthene	19.751	202	186520	20.987	ng/ul	97
82) Pyrene	20.116	202	188818	20.987	ng/ul	99
83) Butylbenzylphthalate	20.962	149	64476	22.378	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.901	252	66509	23.759	ng/ul	97
85) Benzo(a)anthracene	22.007	228	191021	21.428	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.849	149	93134	22.225	ng/ul	98
87) Chrysene	22.078	228	177010	21.046	ng/ul	98
89) Di-n-octyl phthalate	23.147	149	156142	21.210	ng/ul	100
90) Benzo(b)fluoranthene	24.410	252	193492m	20.960	ng/ul	
91) Benzo(k)fluoranthene	24.480	252	188837	21.025	ng/ul	97
93) Benzo(a)pyrene	25.367	252	165313	20.742	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.585	276	210728	21.152	ng/ul	97
95) Dibenzo(a,h)anthracene	29.626	278	174948	21.177	ng/ul#	97
96) Benzo(g,h,i)perylene	30.848	276	167913	20.825	ng/ul	98

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