

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
 Data File : BG058184.D
 Acq On : 12 Jul 2023 13:05
 Operator : CG/JU
 Sample : 03477-04MSD
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HOA42MSD

Quant Time: Jul 12 22:06:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 10 16:52:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.973	152	44885	20.000	ng/u1	0.00
20) Naphthalene-d8	10.775	136	208730	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.600	164	144808	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.344	188	332361	20.000	ng/u1	0.00
79) Chrysene-d12	21.598	240	281160	20.000	ng/u1	0.00
88) Perylene-d12	24.788	264	348687	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.402	96	5975	4.661	ng/uL	0.00
4) Pyridine-d5	3.813	84	45985	11.817	ng/u1	0.00
7) Phenol-d5	7.133	99	34518	7.530	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.297	67	93338	33.789	ng/u1	0.00
11) 2-Chlorophenol-d4	7.503	132	84572	26.751	ng/u1	0.00
15) 4-Methylphenol-d8	8.678	113	59663	17.250	ng/u1	0.00
21) Nitrobenzene-d5	9.136	128	59672	35.076	ng/u1	0.00
24) 2-Nitrophenol-d4	9.859	143	64339	35.984	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.399	165	112461	32.788	ng/u1	0.00
31) 4-Chloroaniline-d4	10.910	131	135673	26.089	ng/u1	0.00
46) Dimethylphthalate-d6	14.001	166	396237	34.680	ng/u1	0.00
49) Acenaphthylene-d8	14.295	160	435677	34.944	ng/u1	0.00
54) 4-Nitrophenol-d4	14.800	143	14295	7.082	ng/u1	0.00
60) Fluorene-d10	15.587	176	348802	35.947	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.711	200	67114	37.188	ng/u1	0.00
73) Anthracene-d10	17.444	188	547872	35.524	ng/u1	0.00
81) Pyrene-d10	19.730	212	655031	36.992	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.577	264	698612	39.326	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.437	88	106552	67.287	ng/uL	95
5) Pyridine	3.831	79	49860	12.505	ng/u1	99
6) Benzaldehyde	7.109	77	80307	52.460	ng/u1	96
8) Phenol	7.162	94	36174	7.777	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.391	93	113971	31.732	ng/u1	99
12) 2-Chlorophenol	7.538	128	82067	24.945	ng/u1	96
13) 2-Methylphenol	8.413	108	70094	19.187	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.496	45	176317	31.891	ng/u1	98
16) Acetophenone	8.795	105	191327	33.341	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.772	70	99528	32.444	ng/u1	98
18) 4-Methylphenol	8.742	108	67000	16.961	ng/u1	96
19) Hexachloroethane	9.054	117	30739	24.373	ng/u1	98
22) Nitrobenzene	9.177	77	145477	32.940	ng/u1	99
23) Isophorone	9.694	82	297137	31.531	ng/u1	97
25) 2-Nitrophenol	9.888	139	63014	32.844	ng/u1	93
26) 2,4-Dimethylphenol	9.941	107	83737	19.409	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.176	93	169103	31.844	ng/u1	98
29) 2,4-Dichlorophenol	10.423	162	104321	31.282	ng/u1	93
30) Naphthalene	10.828	128	340995	29.070	ng/u1	99
32) 4-Chloroaniline	10.934	127	118685	22.320	ng/u1	99
33) Hexachlorobutadiene	11.104	225	60424	25.593	ng/u1	95
34) Caprolactam	11.698	113	6278	4.682	ng/u1	92
35) 4-Chloro-3-methylphenol	12.050	107	116645	28.474	ng/u1	99
36) 2-Methylnaphthalene	12.432	142	243533	30.798	ng/u1	96

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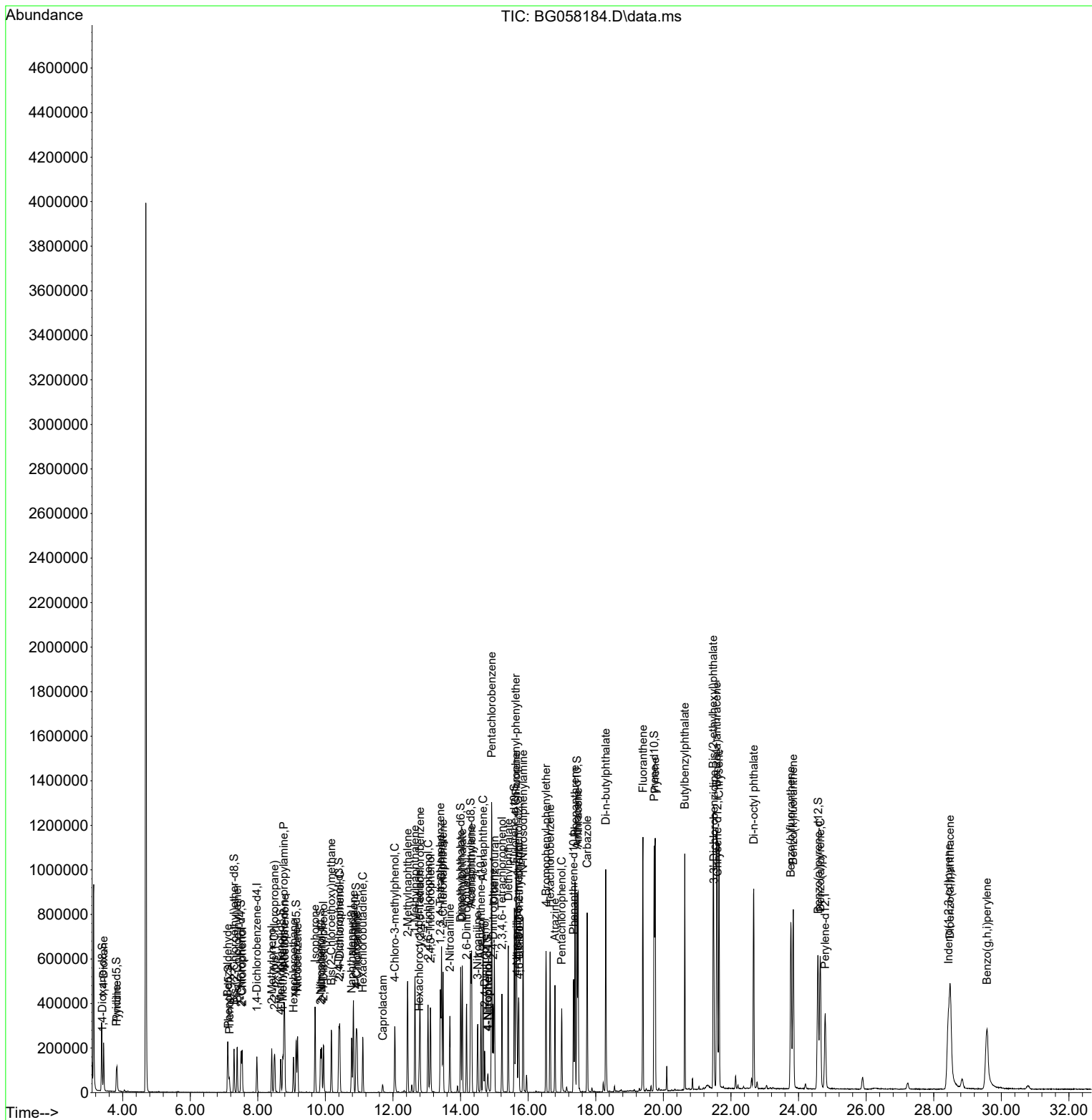
Instrument :
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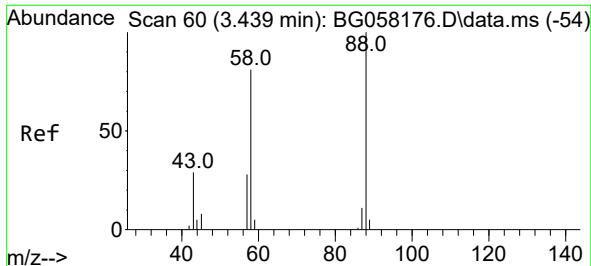
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.650	142	246305	31.062	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.796	216	146053	33.097	ng/ul	98
40) Hexachlorocyclopentadiene	12.773	237	35688	12.839	ng/ul	95
41) 2,4,6-Trichlorophenol	13.037	196	103063	34.459	ng/ul	96
42) 2,4,5-Trichlorophenol	13.108	196	110029	34.016	ng/ul	100
43) 1,1'-Biphenyl	13.437	154	342248	32.797	ng/ul	99
44) 2-Chloronaphthalene	13.478	162	273834	32.696	ng/ul	99
45) 2-Nitroaniline	13.684	65	104603	35.922	ng/ul	94
47) Dimethylphthalate	14.048	163	378772	32.997	ng/ul	99
48) 2,6-Dinitrotoluene	14.177	165	84965	36.060	ng/ul	95
50) Acenaphthylene	14.324	152	447087	33.207	ng/ul	100
51) 3-Nitroaniline	14.506	138	75352	37.843	ng/ul	99
52) Acenaphthene	14.665	153	311916	33.761	ng/ul	97
53) 2,4-Dinitrophenol	14.712	184	40505	32.974	ng/ul	90
55) 4-Nitrophenol	14.812	109	10749	7.188	ng/ul	93
56) Dibenzofuran	15.000	168	449023	34.190	ng/ul	99
57) 2,4-Dinitrotoluene	14.959	165	118857	35.604	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.223	232	97563	33.133	ng/ul#	98
59) Diethylphthalate	15.411	149	391541	32.681	ng/ul	99
61) Fluorene	15.646	166	366176	33.981	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.634	204	194715	34.150	ng/ul	99
63) 4-Nitroaniline	15.670	138	78343	43.921	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.728	198	66007	35.765	ng/ul	98
67) N-Nitrosodiphenylamine	15.852	169	308806	34.912	ng/ul	99
68) 4-Bromophenyl-phenylether	16.527	248	133538	36.603	ng/ul	99
69) Hexachlorobenzene	16.651	284	149743	36.660	ng/ul	99
70) Atrazine	16.792	200	86236	23.842	ng/ul	97
71) Pentachlorophenol	16.992	266	79578	32.452	ng/ul	97
72) Phenanthrene	17.385	178	593184	35.087	ng/ul	99
74) Anthracene	17.479	178	575786	33.655	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.402	216	154477	35.046	ng/uL	97
76) Pentachlorobenzene	14.918	250	392630	83.403	ng/uL	97
77) Carbazole	17.744	167	548168	35.428	ng/ul	99
78) Di-n-butylphthalate	18.296	149	695129	35.268	ng/ul	100
80) Fluoranthene	19.395	202	710837	34.644	ng/ul	99
82) Pyrene	19.759	202	714566	34.597	ng/ul	99
83) Butylbenzylphthalate	20.634	149	308888	36.881	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.492	252	226354	33.255	ng/ul	99
85) Benzo(a)anthracene	21.580	228	726775	36.001	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.475	149	449173	37.425	ng/ul	97
87) Chrysene	21.645	228	684854	36.189	ng/ul	99
89) Di-n-octyl phthalate	22.673	149	786077	36.691	ng/ul	100
90) Benzo(b)fluoranthene	23.772	252	772603	35.786	ng/ul	99
91) Benzo(k)fluoranthene	23.842	252	764516	36.127	ng/ul	99
93) Benzo(a)pyrene	24.641	252	672611	35.198	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.437	276	889949	35.071	ng/ul	99
95) Dibenzo(a,h)anthracene	28.484	278	732419	35.003	ng/ul	99
96) Benzo(g,h,i)perylene	29.577	276	699530	33.751	ng/ul	99

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

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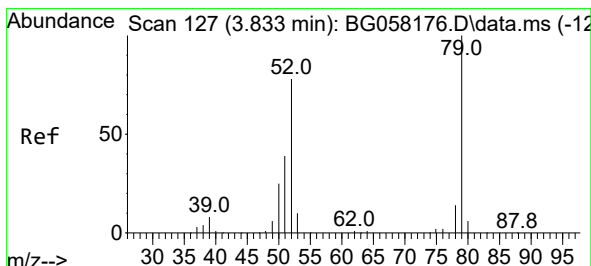
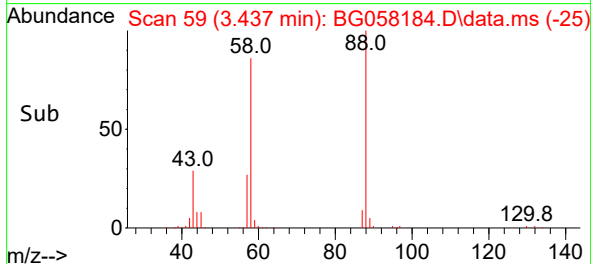
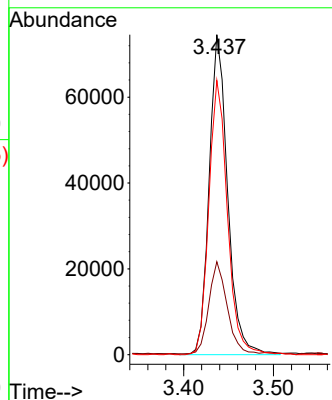
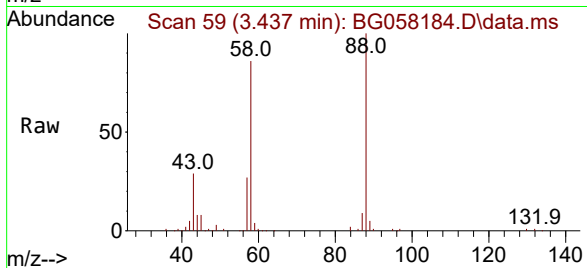




#2
1,4-Dioxane
Concen: 67.287 ng/uL
RT: 3.437 min Scan# 51
Delta R.T. -0.003 min
Lab File: BG058184.D
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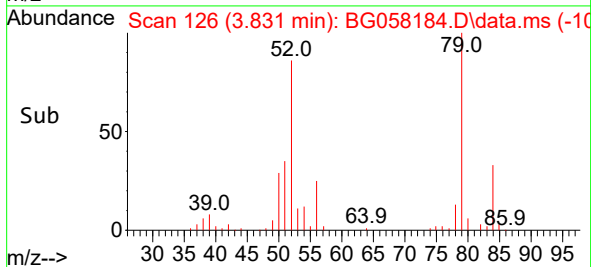
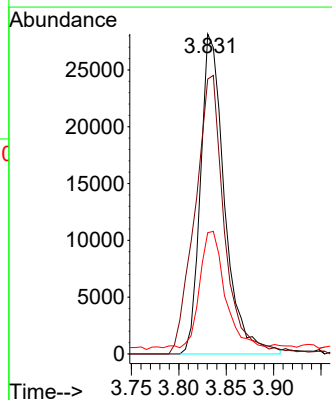
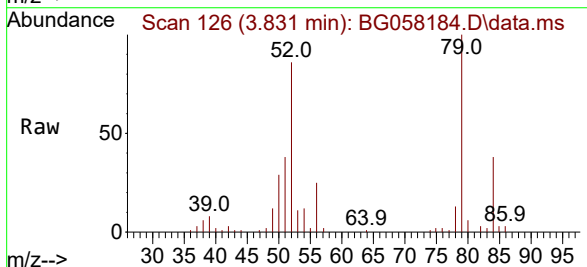
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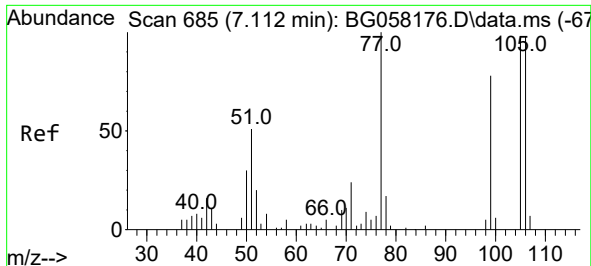
Tgt Ion: 88 Resp: 106552
Ion Ratio Lower Upper
88 100
43 29.1 20.6 30.8
58 85.7 65.5 98.3



#5
Pyridine
Concen: 12.505 ng/uL
RT: 3.831 min Scan# 126
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion: 79 Resp: 49860
Ion Ratio Lower Upper
79 100
52 85.9 68.6 102.8
51 37.9 29.4 44.0

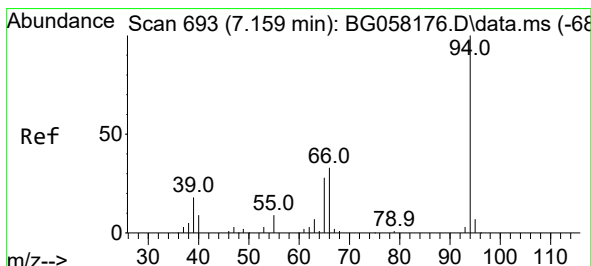
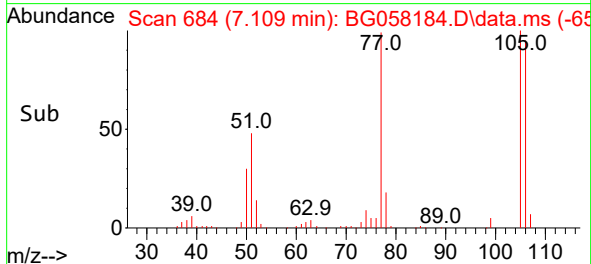
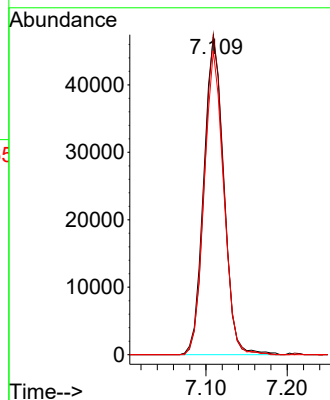
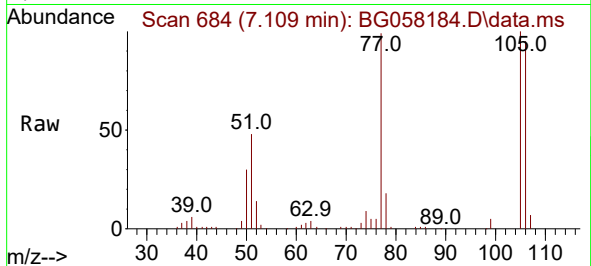




#6
Benzaldehyde
Concen: 52.460 ng/ul
RT: 7.109 min Scan# 684
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

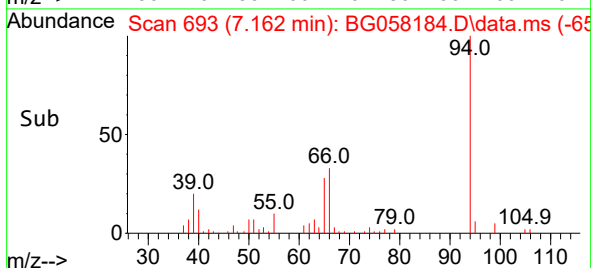
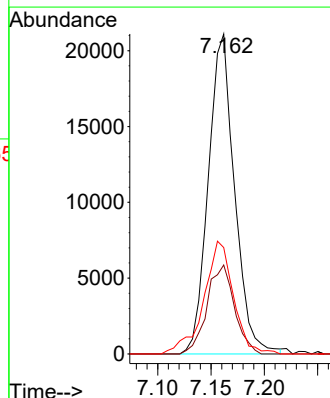
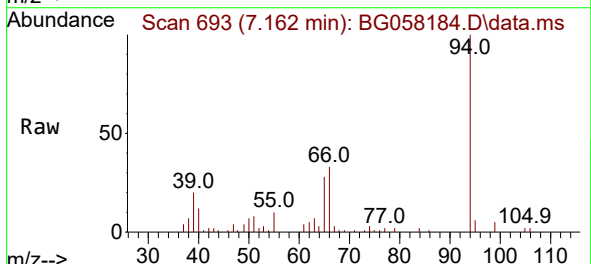
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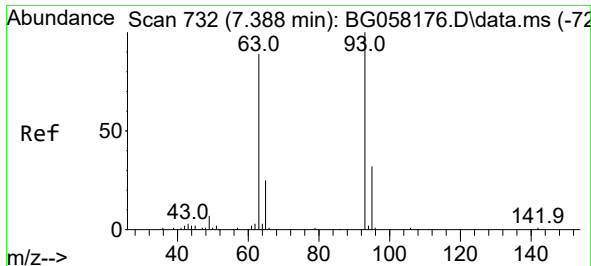
Tgt Ion: 77 Resp: 80307
Ion Ratio Lower Upper
77 100
105 100.7 74.7 112.1
106 95.6 75.9 113.9



#8
Phenol
Concen: 7.777 ng/ul
RT: 7.162 min Scan# 693
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion: 94 Resp: 36174
Ion Ratio Lower Upper
94 100
65 27.8 22.2 33.4
66 33.2 28.6 43.0

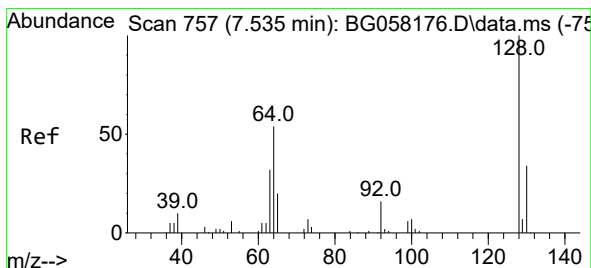
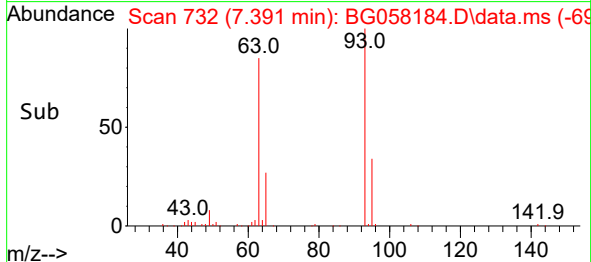
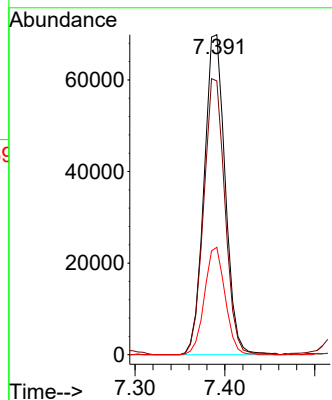
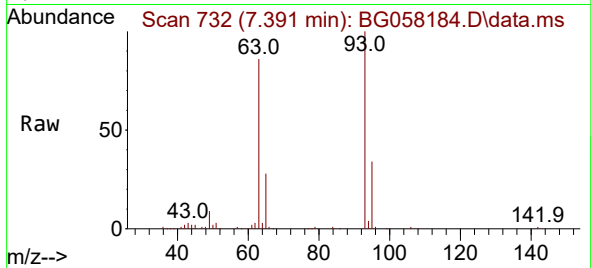




#10
Bis(2-Chloroethyl)ether
Concen: 31.732 ng/ul
RT: 7.391 min Scan# 732
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

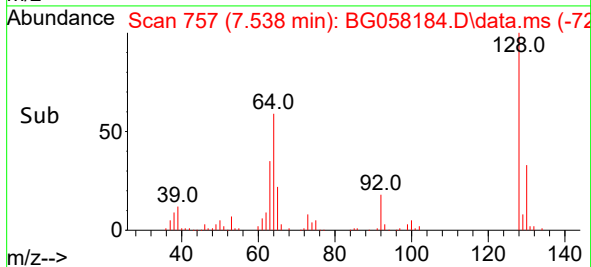
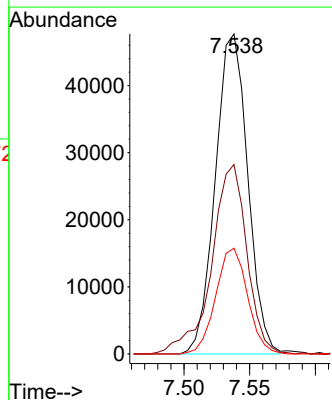
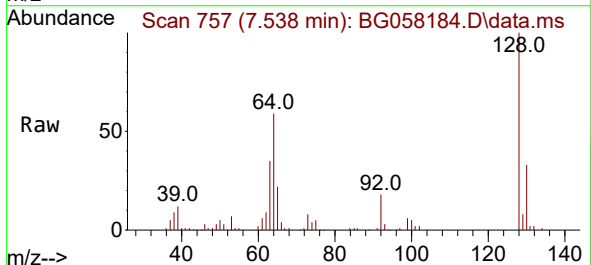
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ClientSampleId :
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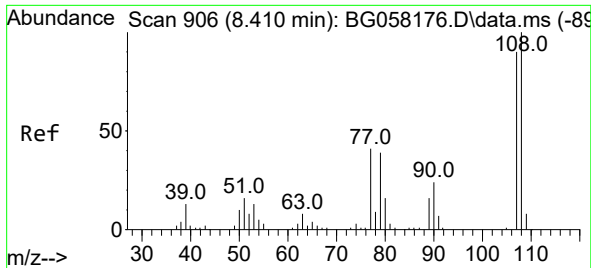
Tgt Ion: 93	Resp: 113971
Ion Ratio	Lower Upper
93	100
63	85.6 69.4 104.0
95	33.6 27.0 40.6



#12
2-Chlorophenol
Concen: 24.945 ng/ul
RT: 7.538 min Scan# 757
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion: 128	Resp: 82067
Ion Ratio	Lower Upper
128	100
64	59.2 44.3 66.5
130	33.1 27.3 40.9

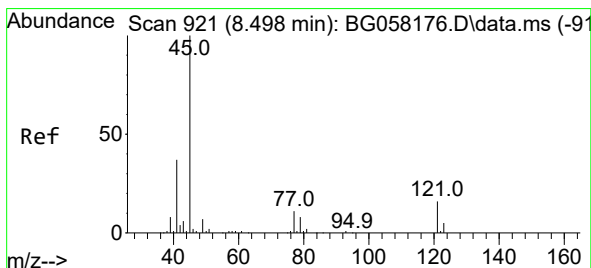
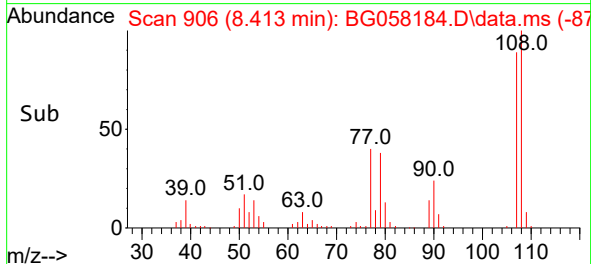
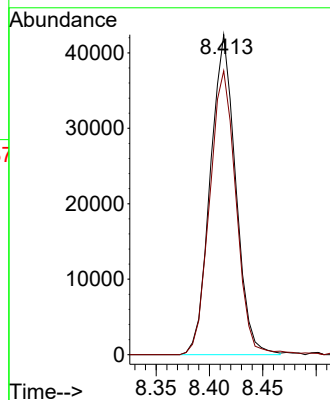
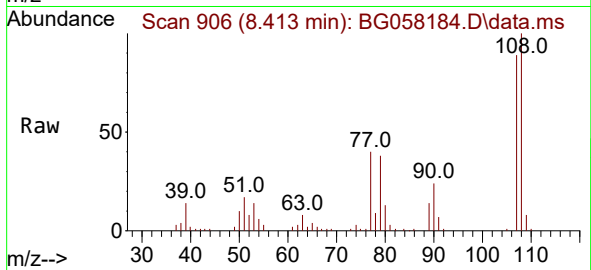




#13
2-Methylphenol
Concen: 19.187 ng/ul
RT: 8.413 min Scan# 90
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

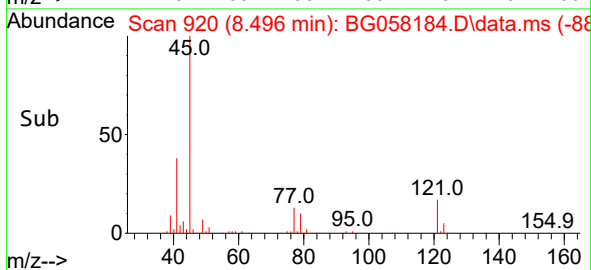
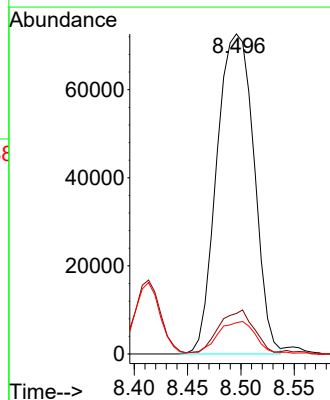
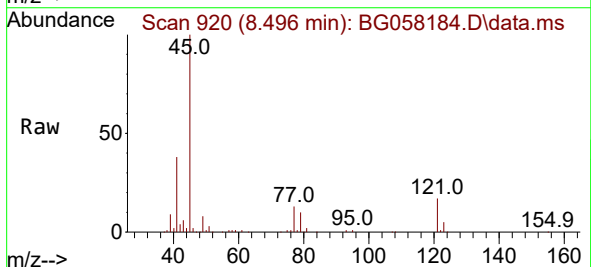
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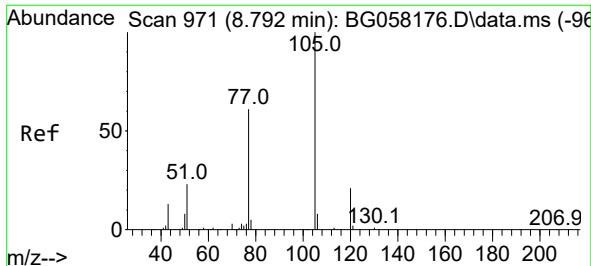
Tgt Ion:108 Resp: 70094
Ion Ratio Lower Upper
108 100
107 88.7 75.0 112.4



#14
2,2'-oxybis(1-Chloropropane)
Concen: 31.891 ng/ul
RT: 8.496 min Scan# 920
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion: 45 Resp: 176317
Ion Ratio Lower Upper
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77 12.7 9.4 14.2
79 9.8 8.3 12.5

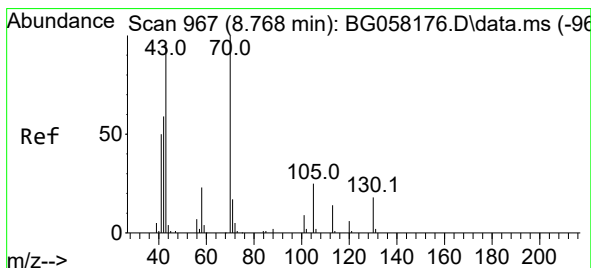
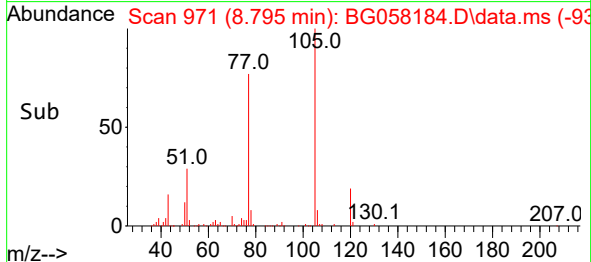
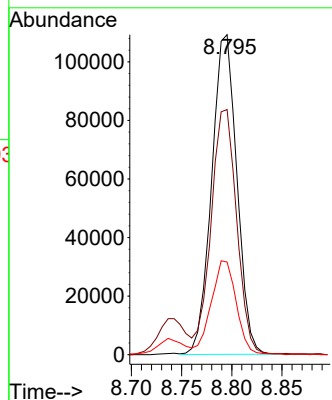
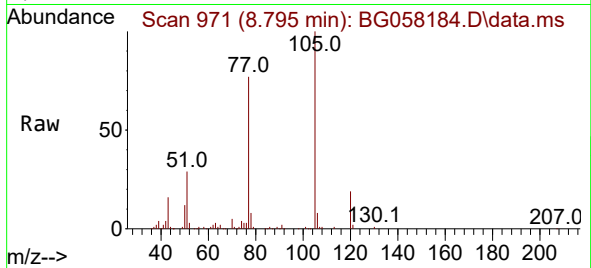




#16
Acetophenone
Concen: 33.341 ng/ul
RT: 8.795 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

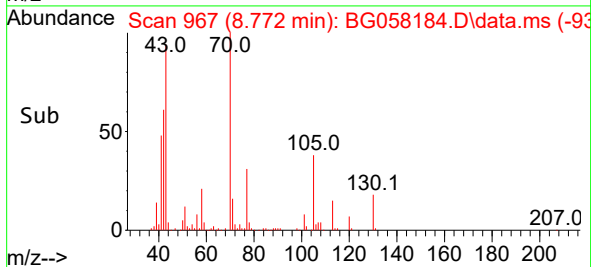
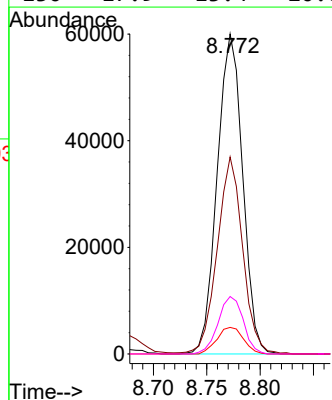
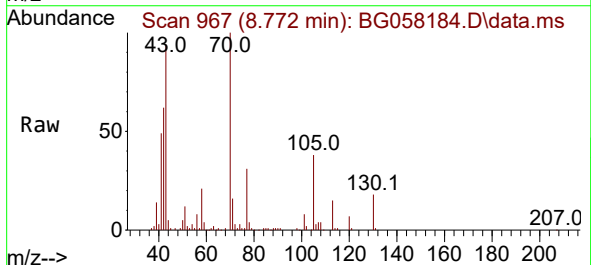
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BNA_G
ClientSampleId :
HOA42MSD

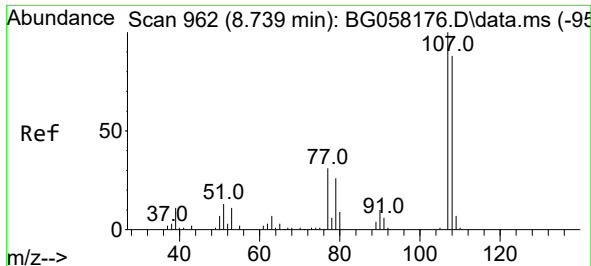
Tgt Ion:105 Resp: 191327
Ion Ratio Lower Upper
105 100
77 76.6 61.2 91.8
51 29.0 23.5 35.3



#17
N-Nitroso-di-n-propylamine
Concen: 32.444 ng/ul
RT: 8.772 min Scan# 967
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion: 70 Resp: 99528
Ion Ratio Lower Upper
70 100
42 61.6 48.0 72.0
101 8.3 7.4 11.2
130 17.9 13.4 20.0

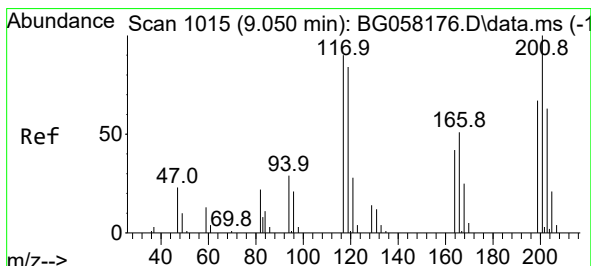
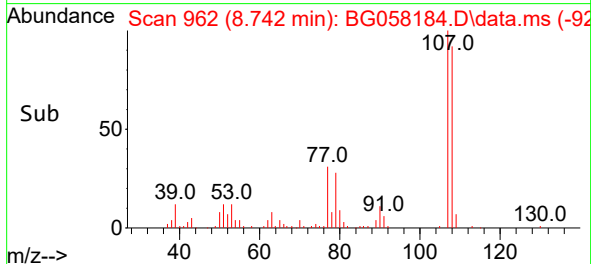
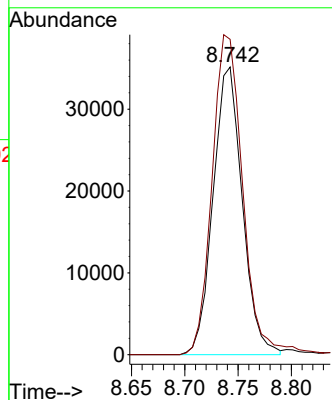
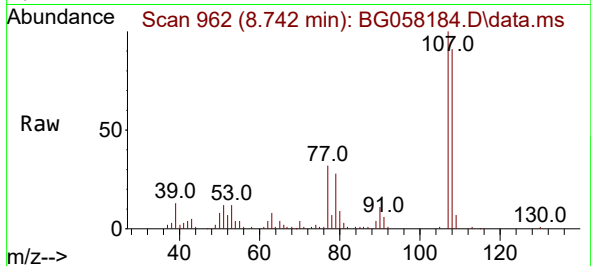




#18
4-Methylphenol
Concen: 16.961 ng/ul
RT: 8.742 min Scan# 962
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

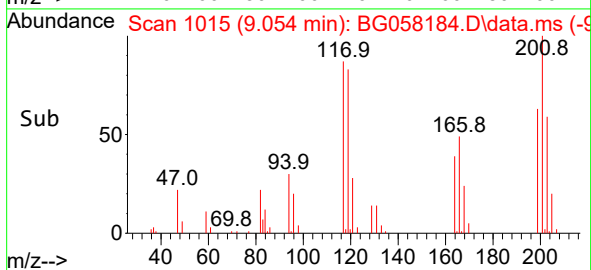
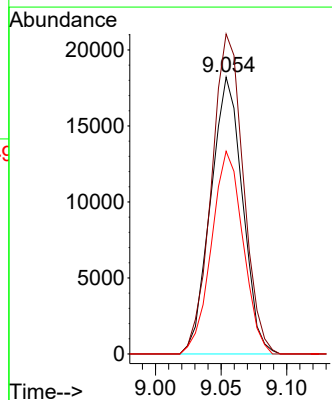
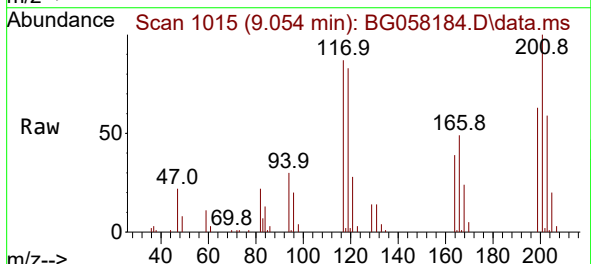
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

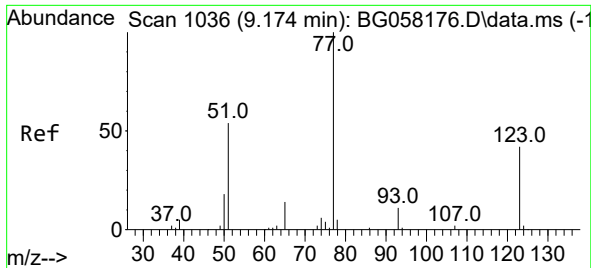
Tgt Ion:108 Resp: 67000
Ion Ratio Lower Upper
108 100
107 109.6 91.1 136.7



#19
Hexachloroethane
Concen: 24.373 ng/ul
RT: 9.054 min Scan# 1015
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:117 Resp: 30739
Ion Ratio Lower Upper
117 100
201 115.6 94.0 141.0
199 73.2 59.8 89.6

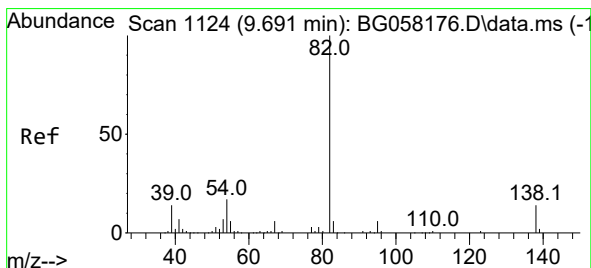
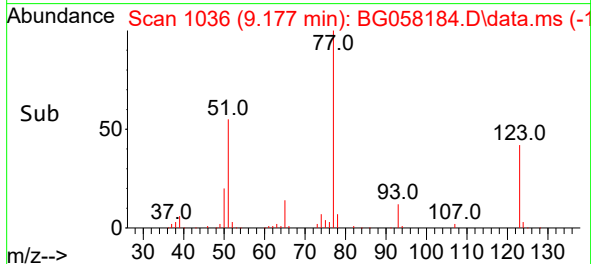
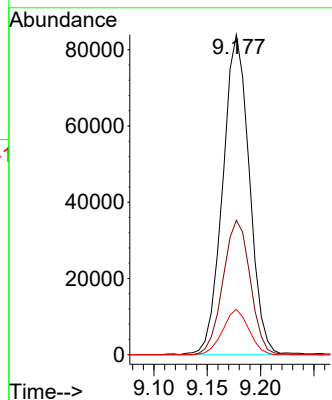
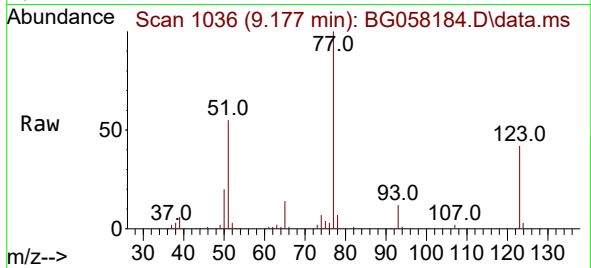




#22
Nitrobenzene
Concen: 32.940 ng/ul
RT: 9.177 min Scan# 1036
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

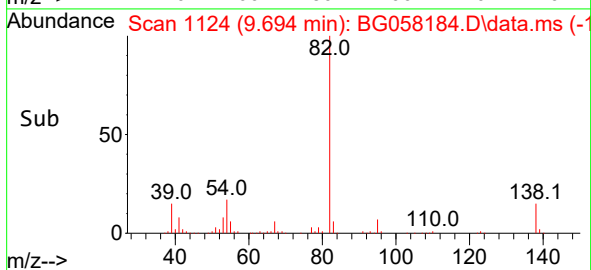
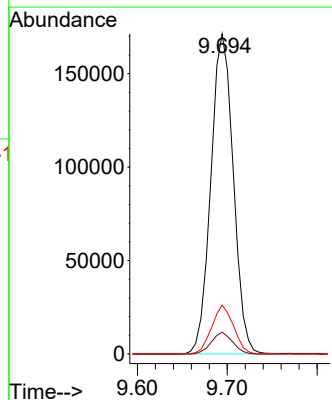
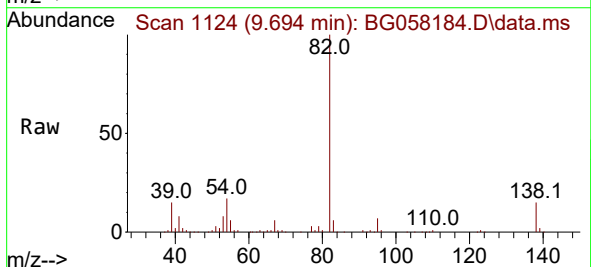
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

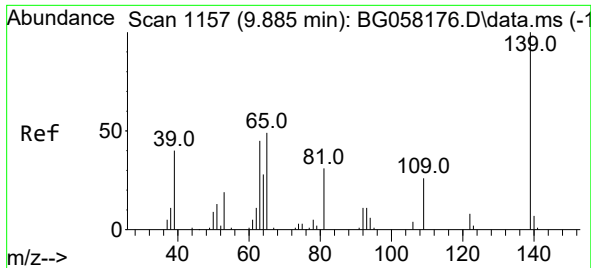
Tgt Ion: 77 Resp: 145477
Ion Ratio Lower Upper
77 100
123 42.0 33.3 49.9
65 14.1 10.4 15.6



#23
Isophorone
Concen: 31.531 ng/ul
RT: 9.694 min Scan# 1124
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion: 82 Resp: 297137
Ion Ratio Lower Upper
82 100
95 6.8 4.8 7.2
138 15.3 11.4 17.0

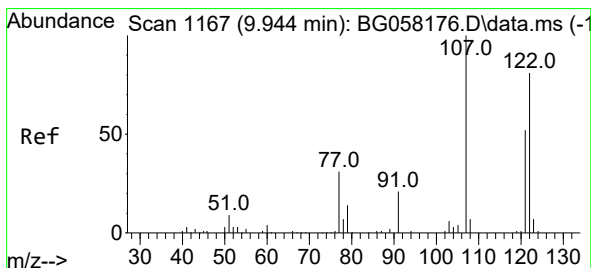
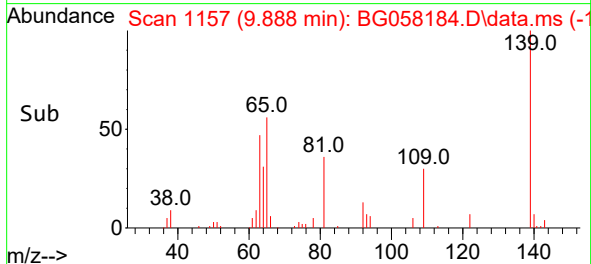
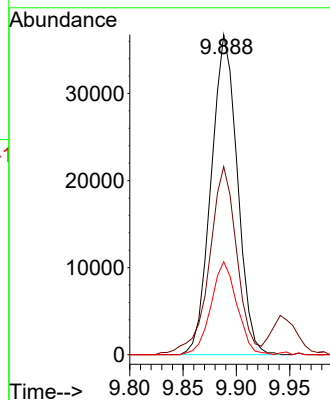
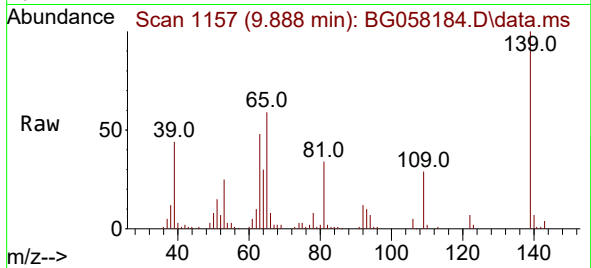




#25
2-Nitrophenol
Concen: 32.844 ng/ul
RT: 9.888 min Scan# 1157
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

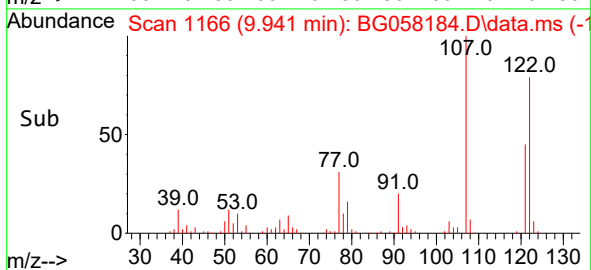
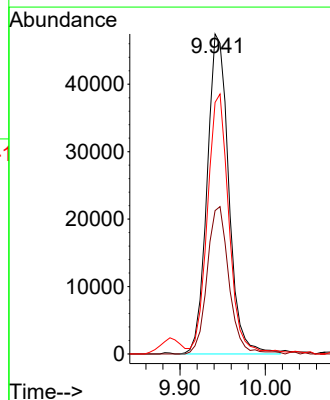
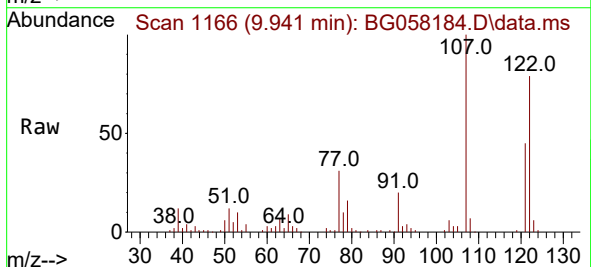
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

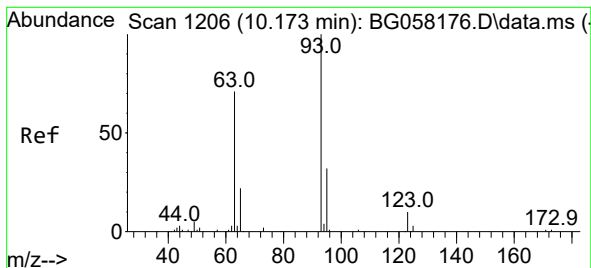
Tgt Ion:139 Resp: 63014
Ion Ratio Lower Upper
139 100
65 58.8 42.6 64.0
109 29.1 20.7 31.1



#26
2,4-Dimethylphenol
Concen: 19.409 ng/ul
RT: 9.941 min Scan# 1166
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:107 Resp: 83737
Ion Ratio Lower Upper
107 100
121 44.8 40.6 60.8
122 78.6 67.1 100.7





#27

Bis(2-Chloroethoxy)methane

Concen: 31.844 ng/ul

RT: 10.176 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Instrument :

BNA_G

ClientSampleId :

HOA42MSD

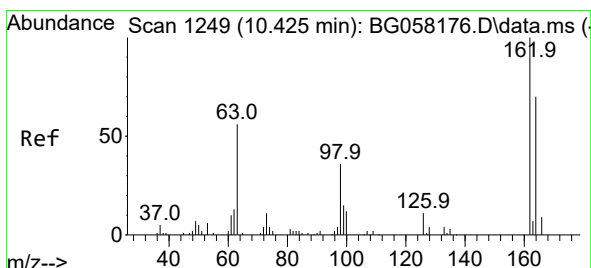
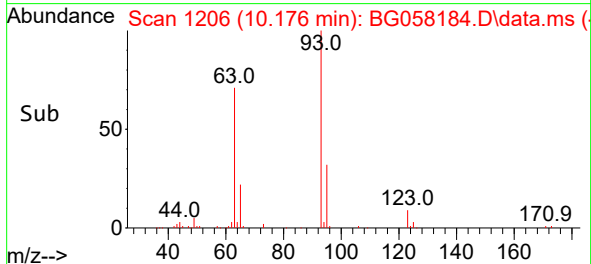
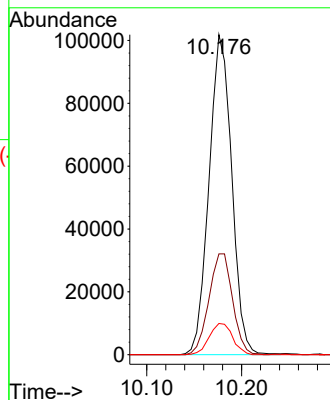
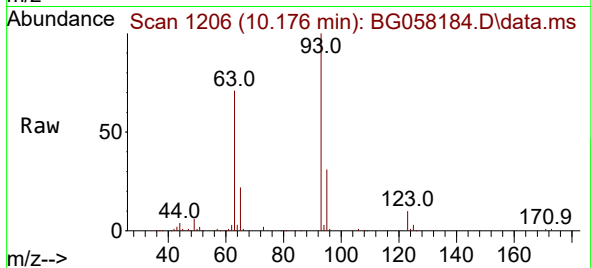
Tgt Ion: 93 Resp: 169103

Ion Ratio Lower Upper

93 100

95 31.5 26.4 39.6

123 9.8 7.9 11.9



#29

2,4-Dichlorophenol

Concen: 31.282 ng/ul

RT: 10.423 min Scan# 1248

Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

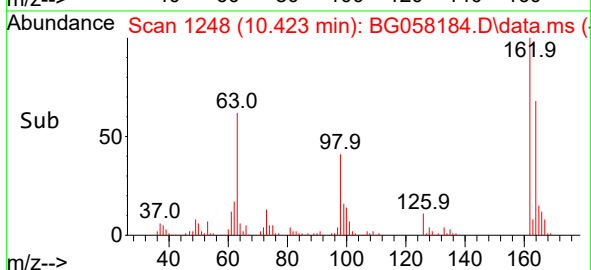
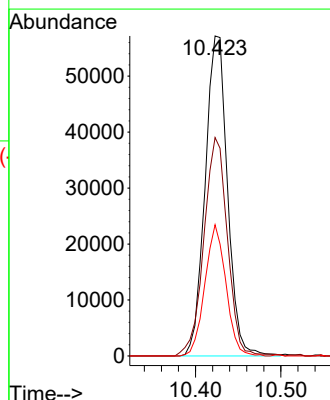
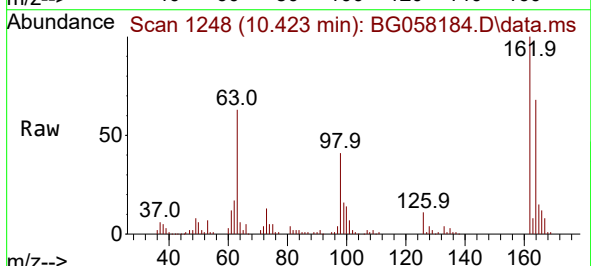
Tgt Ion:162 Resp: 104321

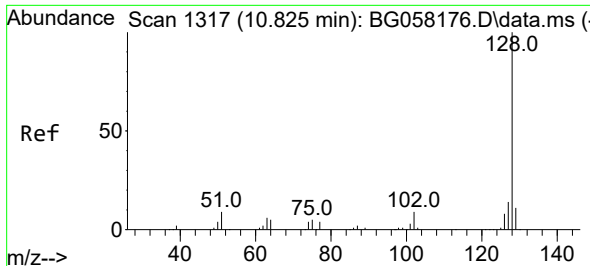
Ion Ratio Lower Upper

162 100

164 68.3 51.1 76.7

98 41.0 27.9 41.9

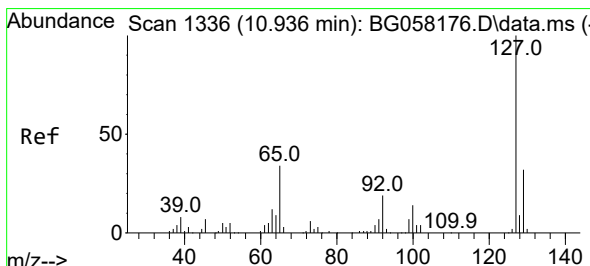
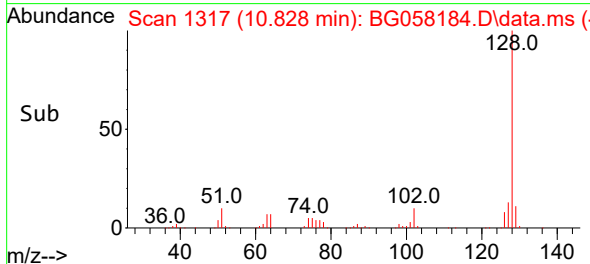
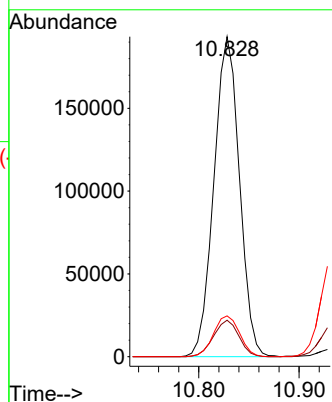
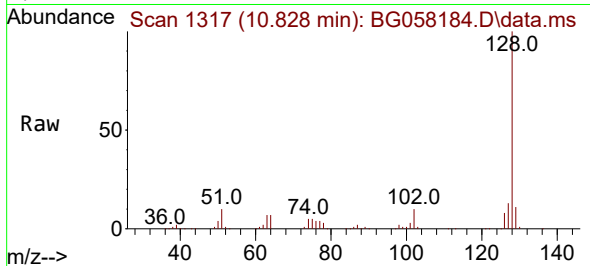




#30
Naphthalene
Concen: 29.070 ng/ul
RT: 10.828 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

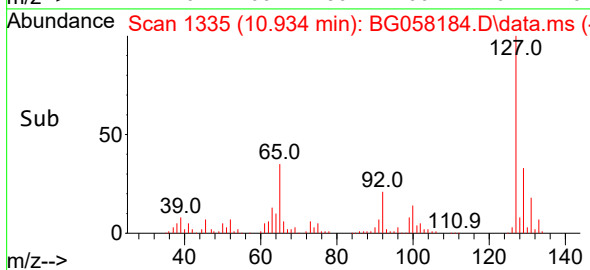
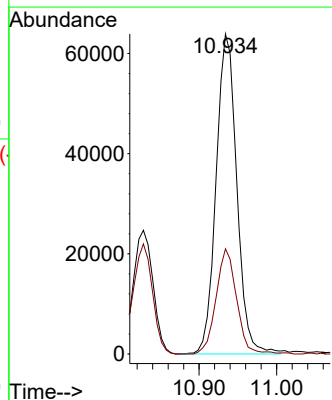
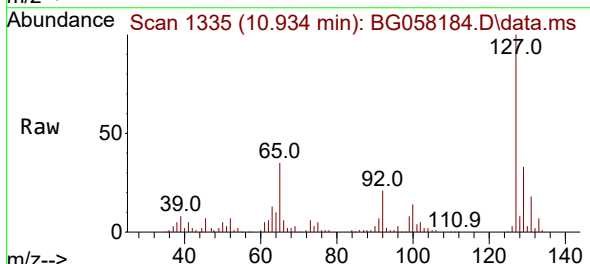
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

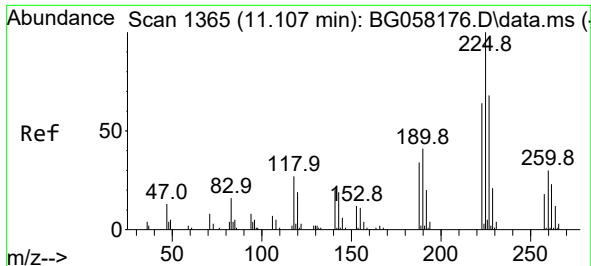
Tgt Ion:128 Resp: 340995
Ion Ratio Lower Upper
128 100
129 11.4 8.6 12.8
127 12.8 10.2 15.2



#32
4-Chloroaniline
Concen: 22.320 ng/ul
RT: 10.934 min Scan# 1335
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:127 Resp: 118685
Ion Ratio Lower Upper
127 100
129 32.8 26.0 39.0

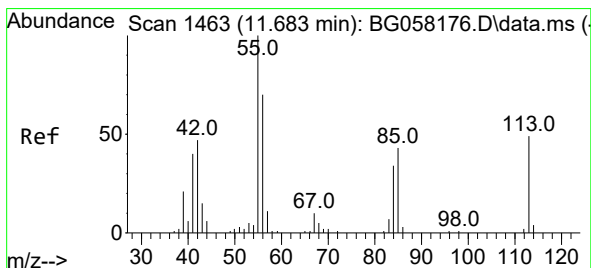
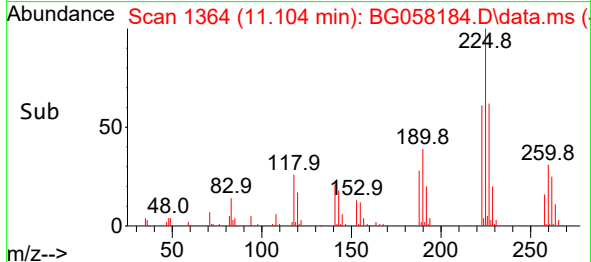
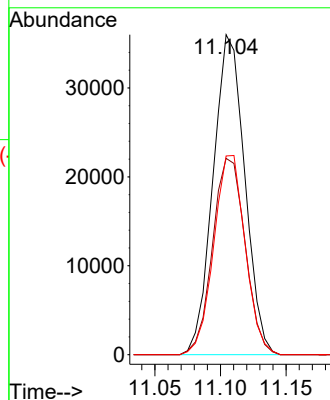
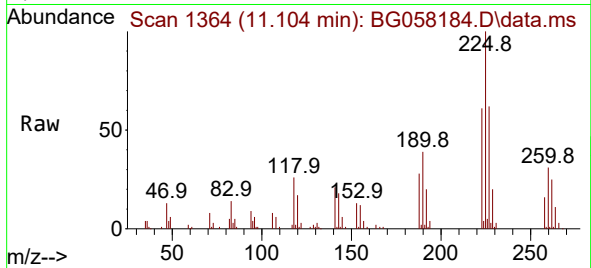




#33
Hexachlorobutadiene
Concen: 25.593 ng/ul
RT: 11.104 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

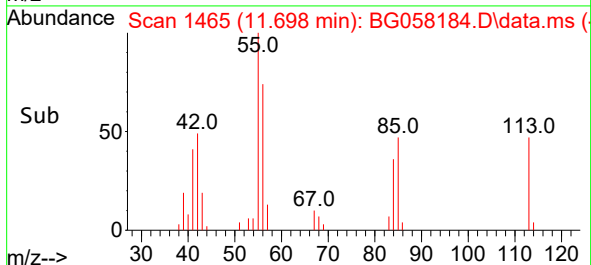
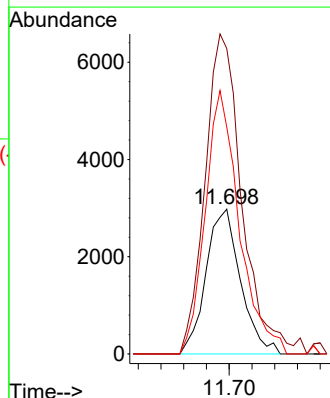
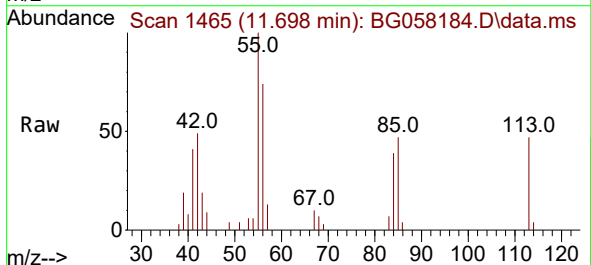
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

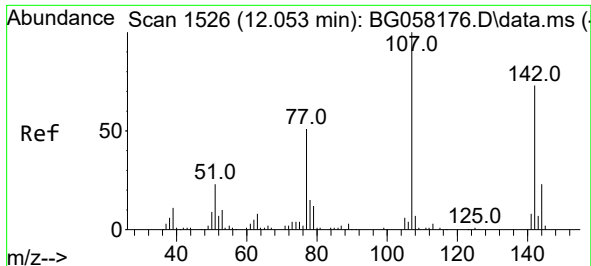
Tgt Ion:225 Resp: 60424
Ion Ratio Lower Upper
225 100
223 61.4 53.2 79.8
227 62.1 51.4 77.2



#34
Caprolactam
Concen: 4.682 ng/ul
RT: 11.698 min Scan# 1465
Delta R.T. 0.015 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:113 Resp: 6278
Ion Ratio Lower Upper
113 100
55 210.8 183.4 275.2
56 156.6 123.0 184.6





#35

4-Chloro-3-methylphenol

Concen: 28.474 ng/ul

RT: 12.050 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Instrument :

BNA_G

ClientSampleId :

HOA42MSD

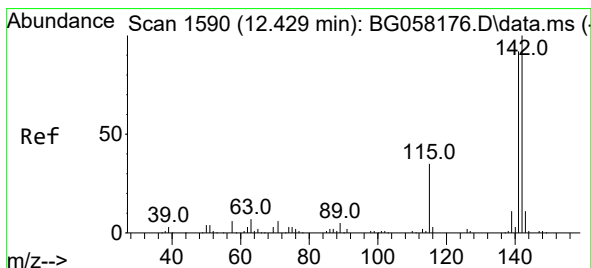
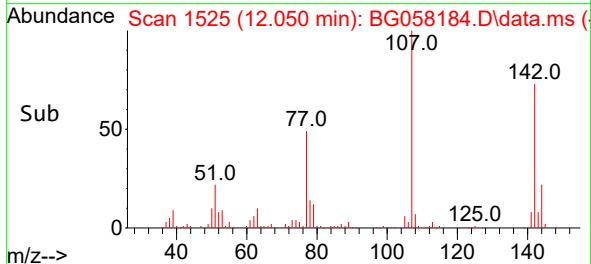
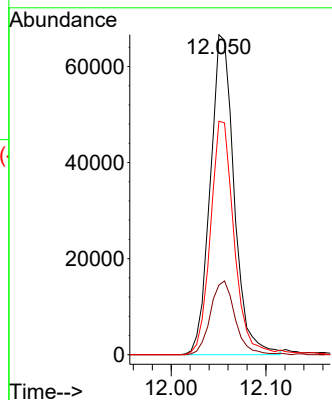
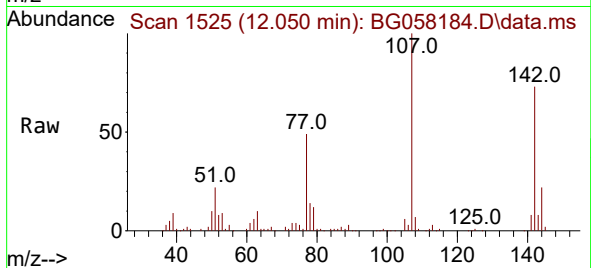
Tgt Ion:107 Resp: 116645

Ion Ratio Lower Upper

107 100

144 21.8 19.0 28.4

142 73.0 58.4 87.6



#36

2-Methylnaphthalene

Concen: 30.798 ng/ul

RT: 12.432 min Scan# 1590

Delta R.T. 0.003 min

Lab File: BG058184.D

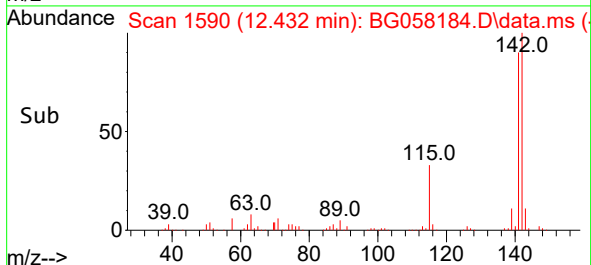
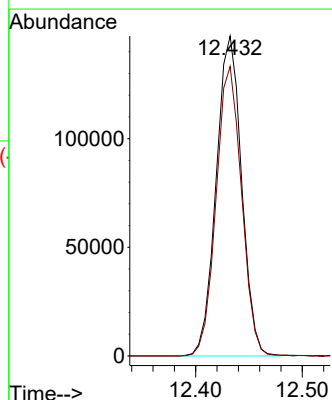
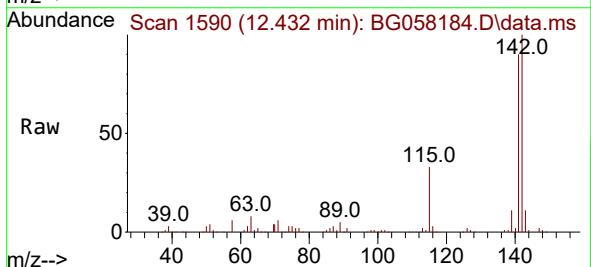
Acq: 12 Jul 2023 13:05

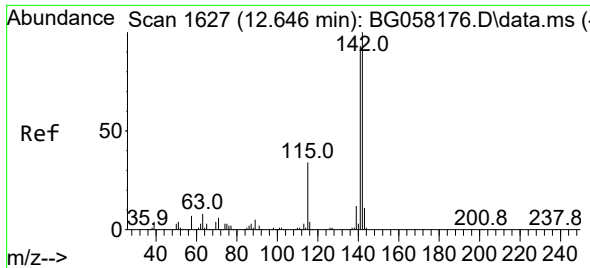
Tgt Ion:142 Resp: 243533

Ion Ratio Lower Upper

142 100

141 90.4 69.4 104.2

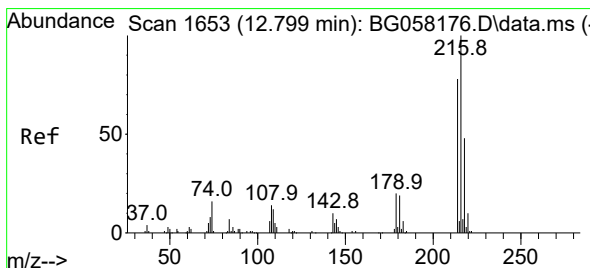
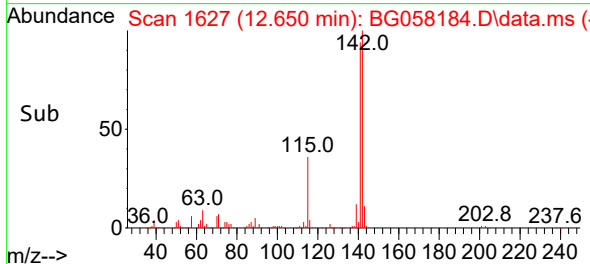
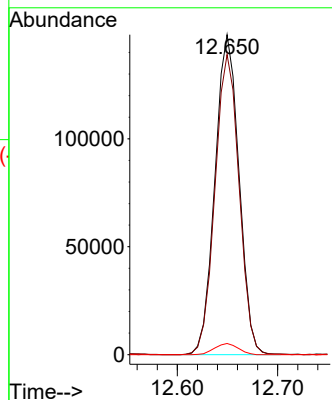
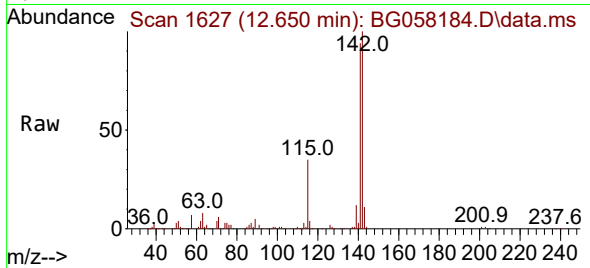




#37
1-Methylnaphthalene
Concen: 31.062 ng/ul
RT: 12.650 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

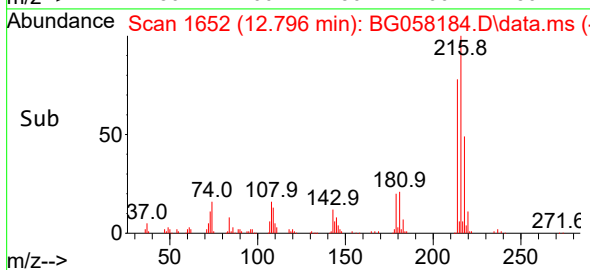
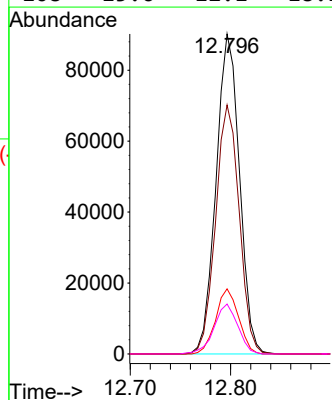
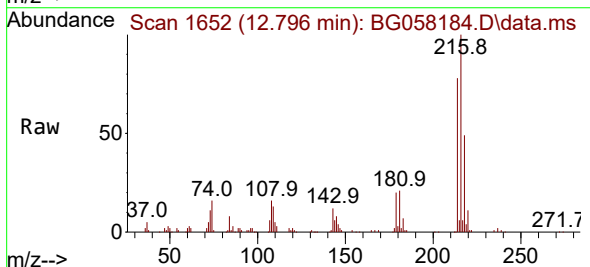
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

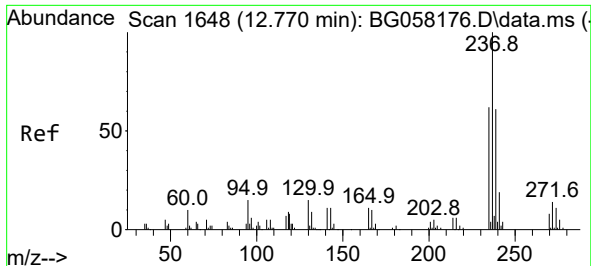
Tgt Ion:142 Resp: 246305
Ion Ratio Lower Upper
142 100
141 93.8 73.8 110.8
116 3.5 3.0 4.4



#39
1,2,4,5-Tetrachlorobenzene
Concen: 33.097 ng/ul
RT: 12.796 min Scan# 1652
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:216 Resp: 146053
Ion Ratio Lower Upper
216 100
214 77.8 64.1 96.1
179 20.4 16.0 24.0
108 15.6 12.1 18.1

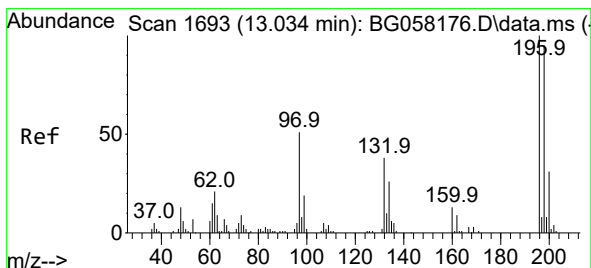
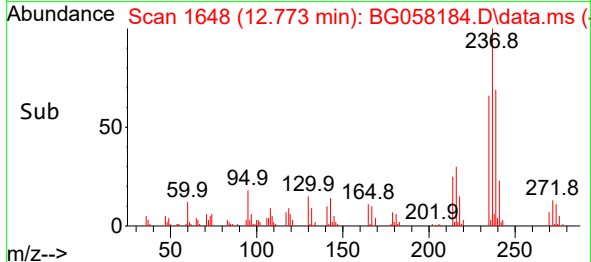
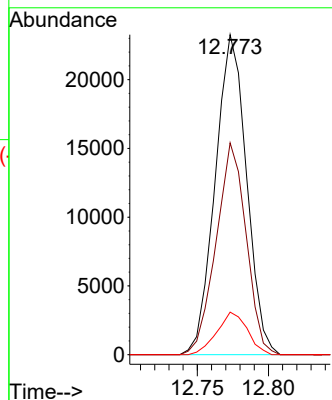
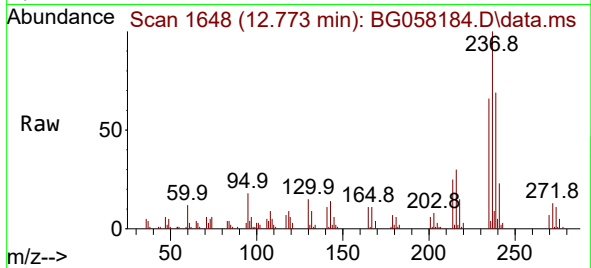




#40
Hexachlorocyclopentadiene
Concen: 12.839 ng/ul
RT: 12.773 min Scan# 1648
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

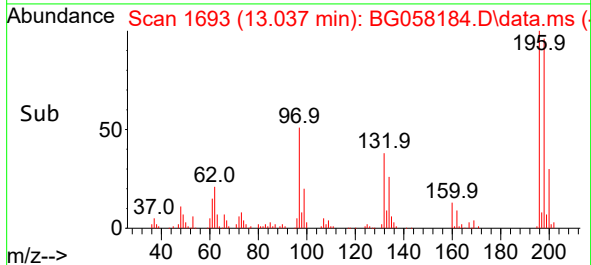
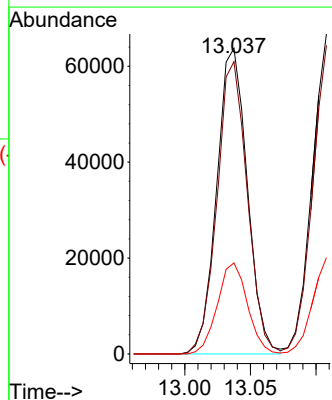
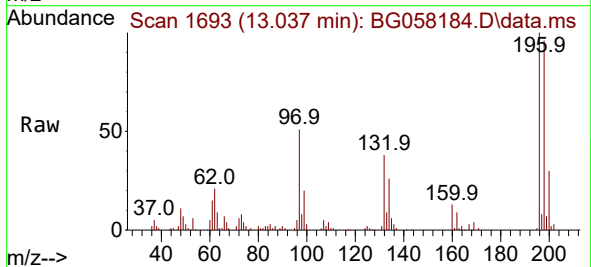
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

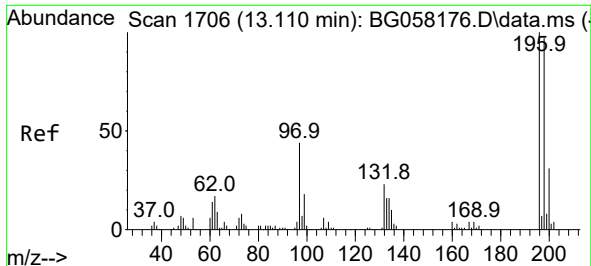
Tgt Ion:237 Resp: 35688
Ion Ratio Lower Upper
237 100
235 66.2 49.2 73.8
272 13.3 10.4 15.6



#41
2,4,6-Trichlorophenol
Concen: 34.459 ng/ul
RT: 13.037 min Scan# 1693
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:196 Resp: 103063
Ion Ratio Lower Upper
196 100
198 95.7 73.5 110.3
200 29.8 24.8 37.2





#42

2,4,5-Trichlorophenol

Concen: 34.016 ng/ul

RT: 13.108 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Instrument :

BNA_G

ClientSampleId :

HOA42MSD

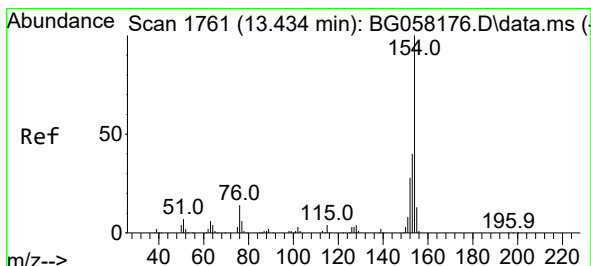
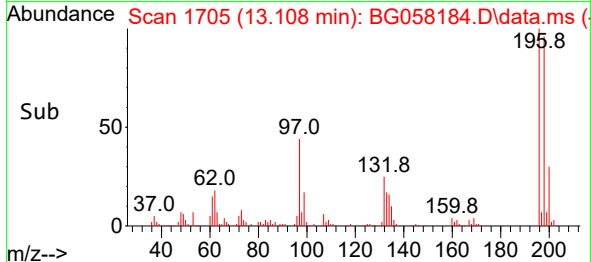
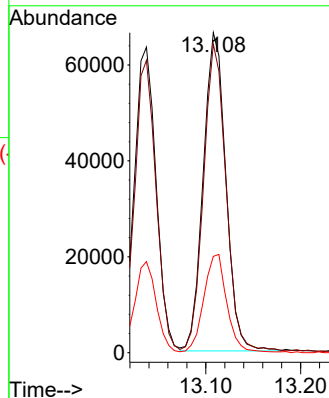
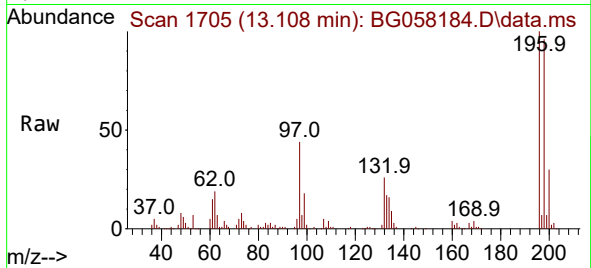
Tgt Ion:196 Resp: 110029

Ion Ratio Lower Upper

196 100

198 96.4 77.2 115.8

200 30.1 23.8 35.6



#43

1,1'-Biphenyl

Concen: 32.797 ng/ul

RT: 13.437 min Scan# 1761

Delta R.T. 0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

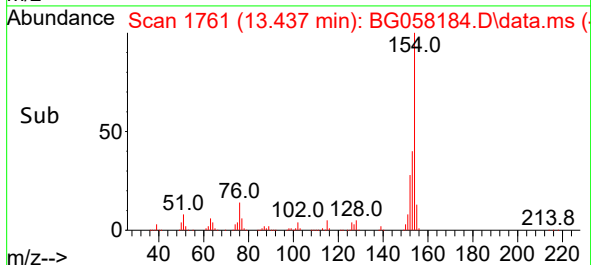
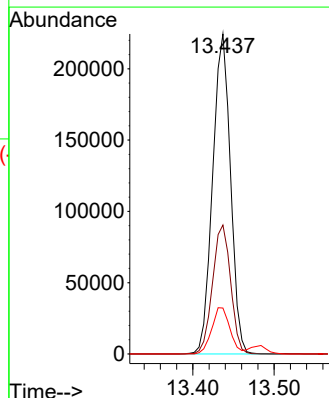
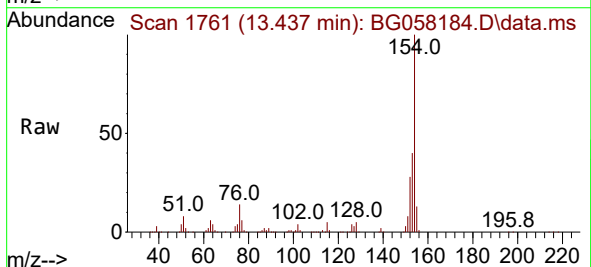
Tgt Ion:154 Resp: 342248

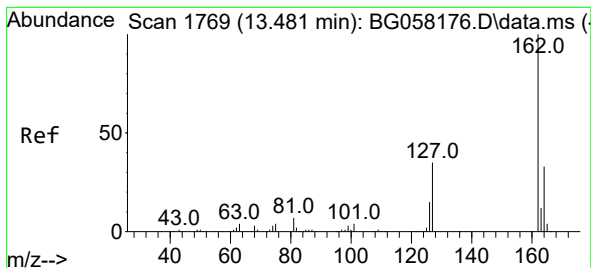
Ion Ratio Lower Upper

154 100

153 40.3 32.6 49.0

76 14.4 11.6 17.4

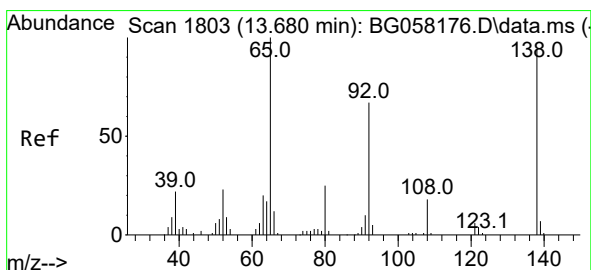
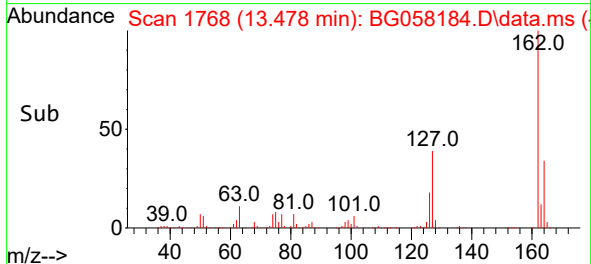
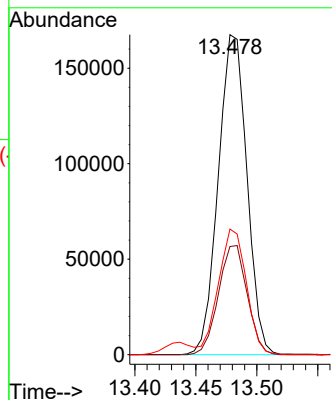
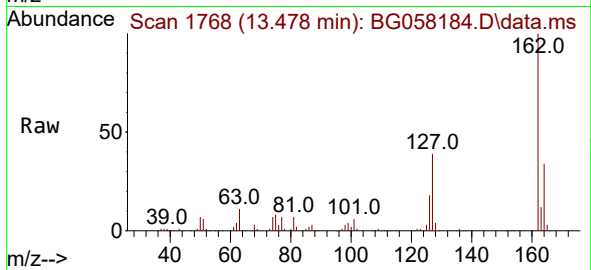




#44
2-Chloronaphthalene
Concen: 32.696 ng/ul
RT: 13.478 min Scan# 1769
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

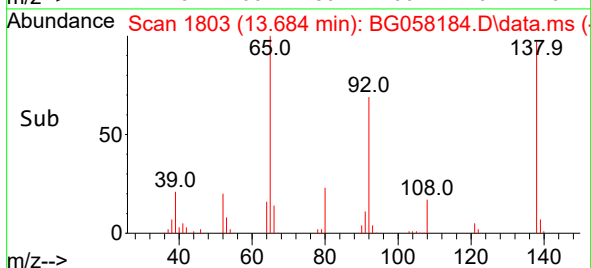
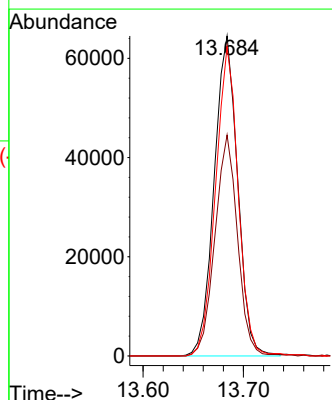
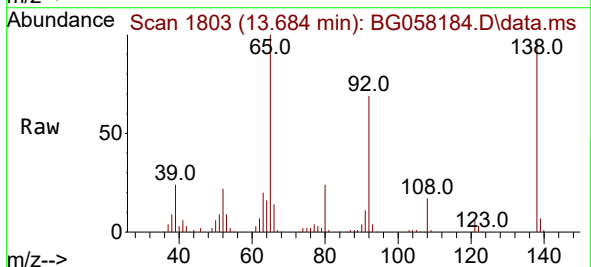
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

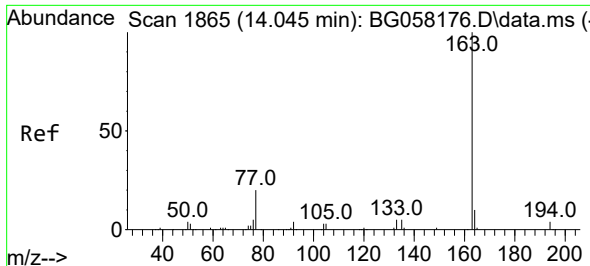
Tgt Ion:162 Resp: 273834
Ion Ratio Lower Upper
162 100
164 33.8 27.7 41.5
127 39.3 30.9 46.3



#45
2-Nitroaniline
Concen: 35.922 ng/ul
RT: 13.684 min Scan# 1803
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion: 65 Resp: 104603
Ion Ratio Lower Upper
65 100
92 69.1 53.2 79.8
138 96.7 71.1 106.7

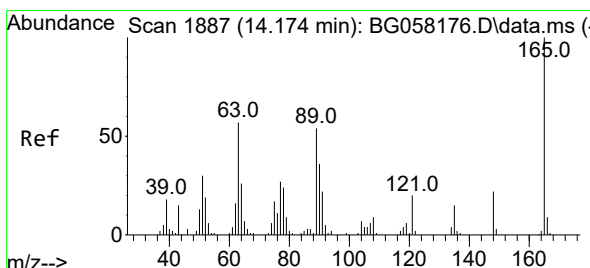
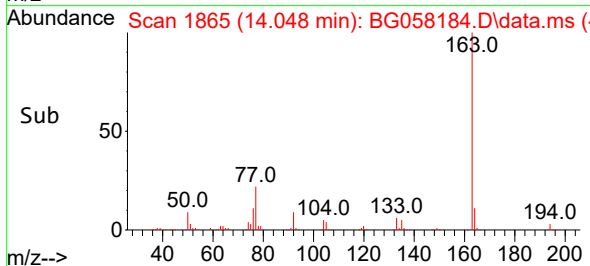
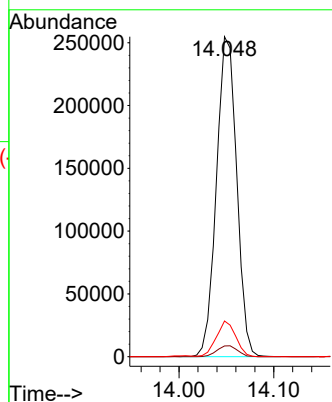
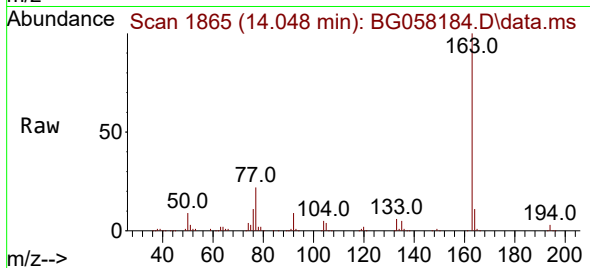




#47
Dimethylphthalate
Concen: 32.997 ng/ul
RT: 14.048 min Scan# 1865
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

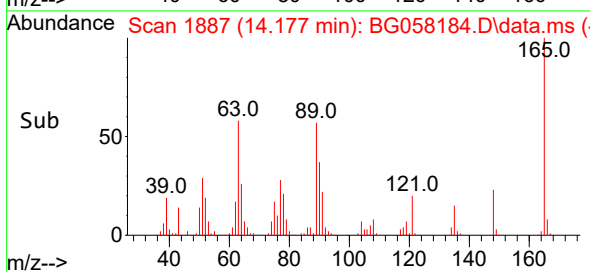
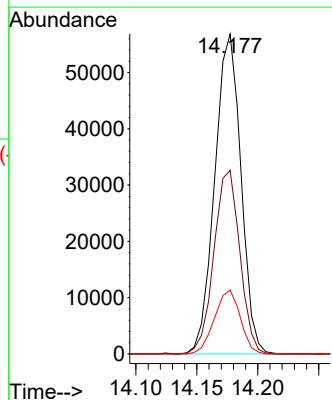
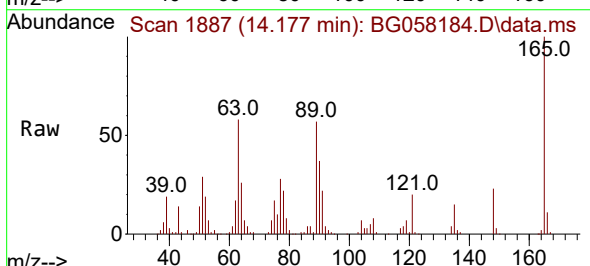
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

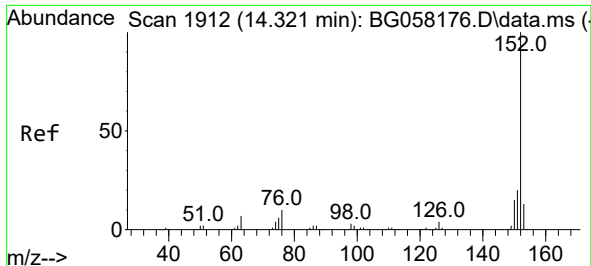
Tgt Ion:163 Resp: 378772
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 11.1 8.6 12.8



#48
2,6-Dinitrotoluene
Concen: 36.060 ng/ul
RT: 14.177 min Scan# 1887
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:165 Resp: 84965
Ion Ratio Lower Upper
165 100
89 57.4 42.7 64.1
121 20.0 14.8 22.2

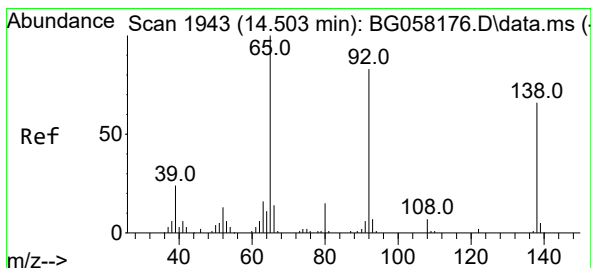
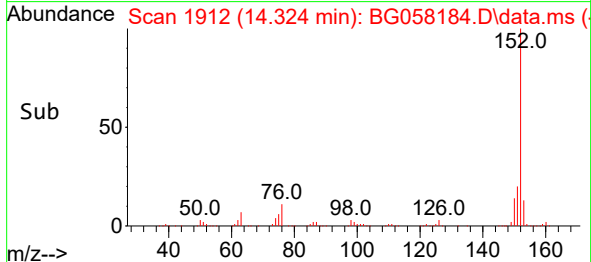
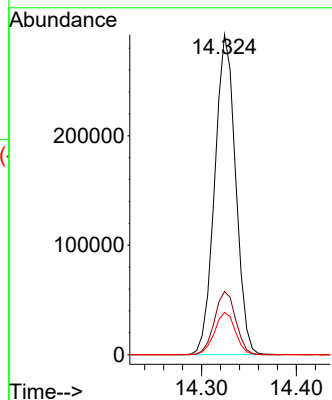
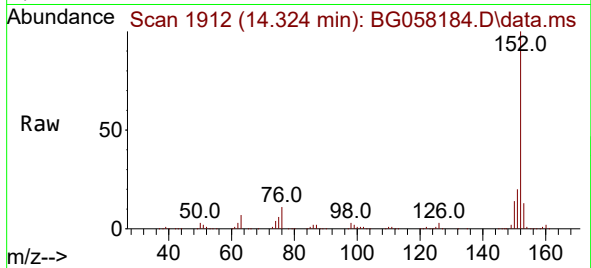




#50
Acenaphthylene
Concen: 33.207 ng/ul
RT: 14.324 min Scan# 1912
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

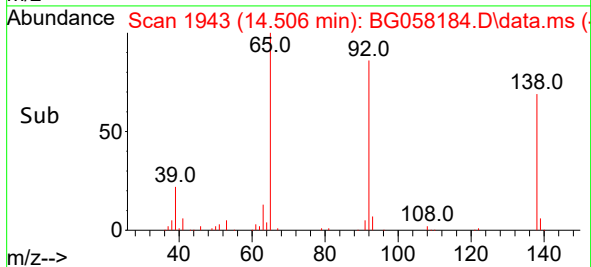
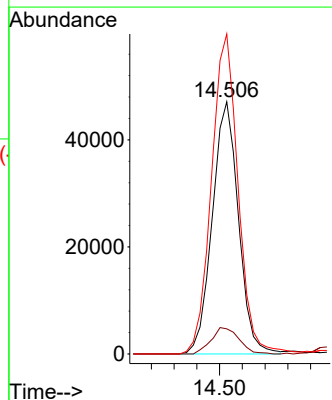
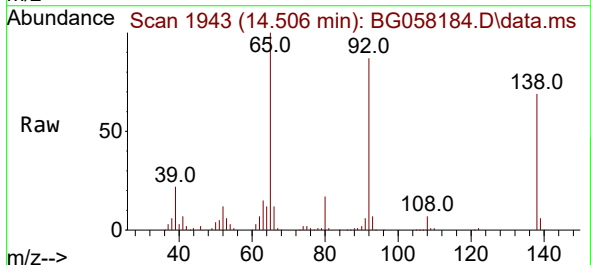
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

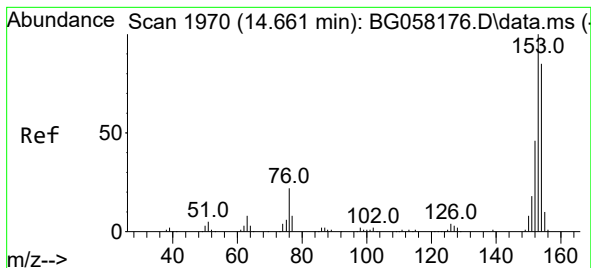
Tgt Ion:152 Resp: 447087
Ion Ratio Lower Upper
152 100
151 19.8 15.6 23.4
153 13.2 10.5 15.7



#51
3-Nitroaniline
Concen: 37.843 ng/ul
RT: 14.506 min Scan# 1943
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:138 Resp: 75352
Ion Ratio Lower Upper
138 100
108 10.0 8.2 12.2
92 126.9 100.2 150.4





#52

Acenaphthene

Concen: 33.761 ng/ul

RT: 14.665 min Scan# 1970

Delta R.T. 0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Instrument :

BNA_G

ClientSampleId :

HOA42MSD

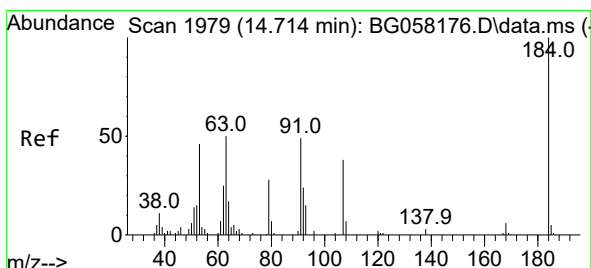
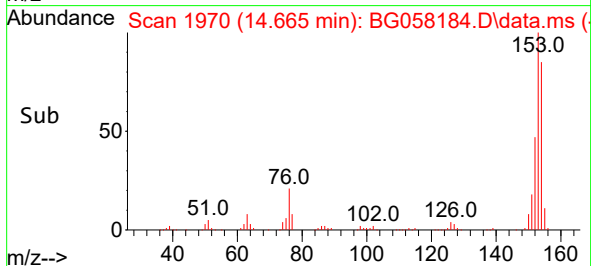
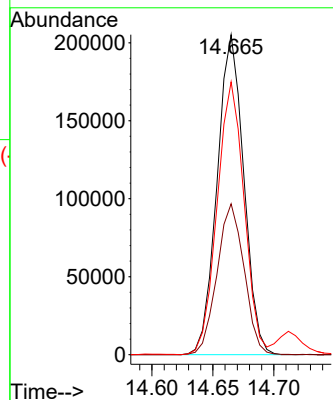
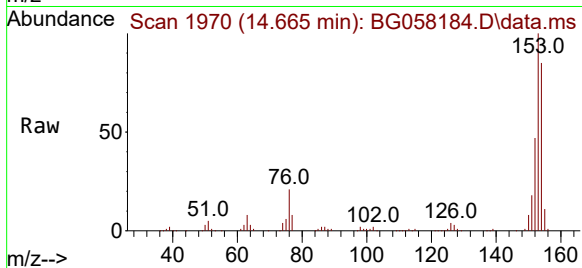
Tgt Ion:153 Resp: 311916

Ion Ratio Lower Upper

153 100

152 47.2 36.5 54.7

154 85.2 70.5 105.7



#53

2,4-Dinitrophenol

Concen: 32.974 ng/ul

RT: 14.712 min Scan# 1978

Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

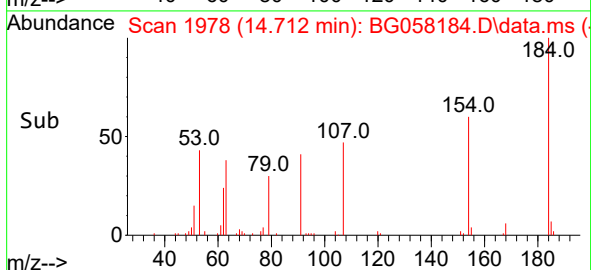
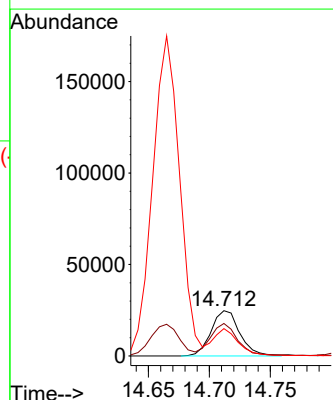
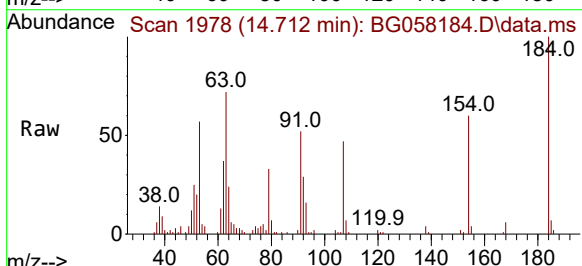
Tgt Ion:184 Resp: 40505

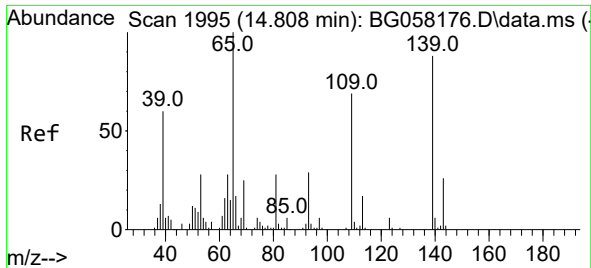
Ion Ratio Lower Upper

184 100

63 71.8 51.1 76.7

154 60.4 43.3 64.9

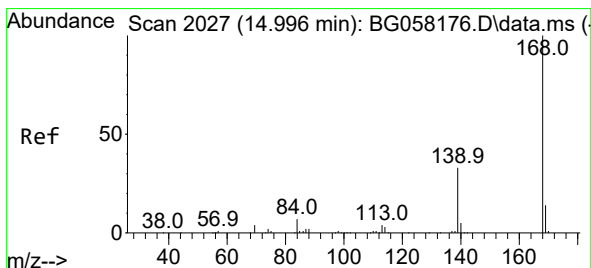
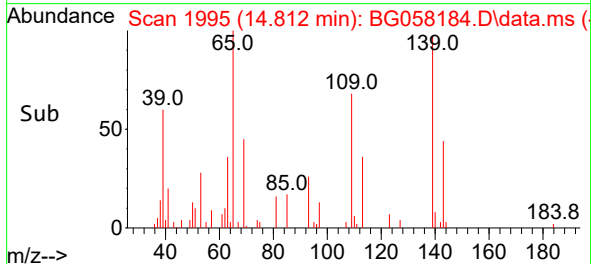
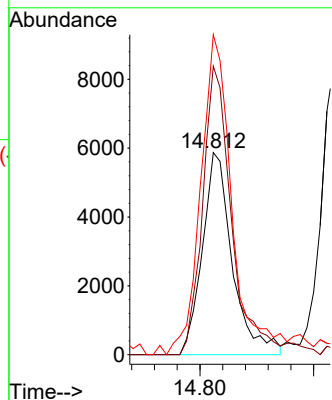
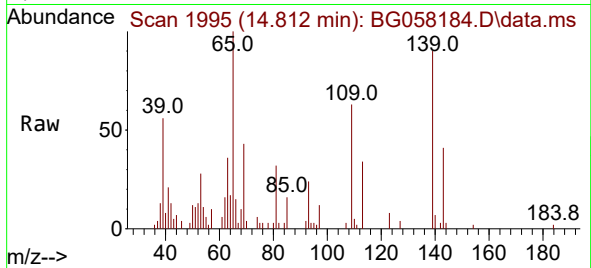




#55
4-Nitrophenol
Concen: 7.188 ng/ul
RT: 14.812 min Scan# 1995
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

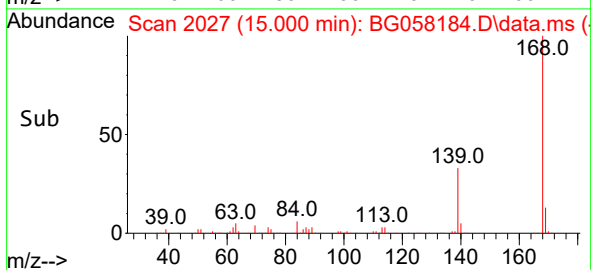
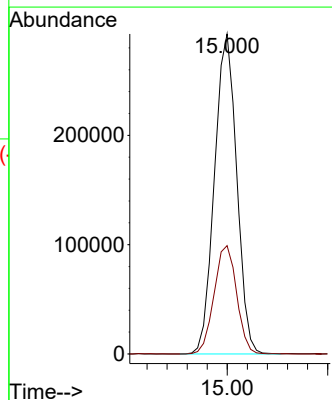
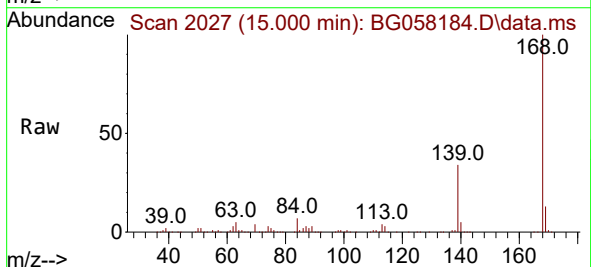
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

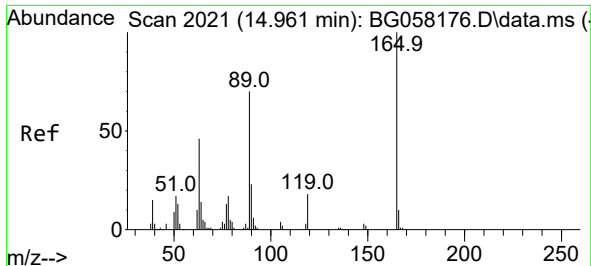
Tgt Ion:109 Resp: 10749
Ion Ratio Lower Upper
109 100
139 142.7 119.0 178.4
65 158.3 135.5 203.3



#56
Dibenzofuran
Concen: 34.190 ng/ul
RT: 15.000 min Scan# 2027
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:168 Resp: 449023
Ion Ratio Lower Upper
168 100
139 33.8 27.6 41.4





#57

2,4-Dinitrotoluene

Concen: 35.604 ng/ul

RT: 14.959 min Scan# 20

Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Instrument :

BNA_G

ClientSampleId :

HOA42MSD

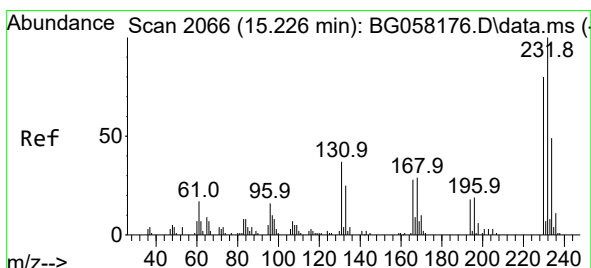
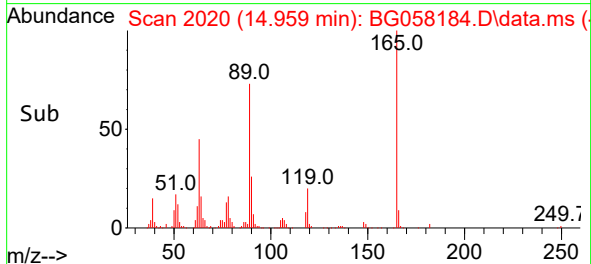
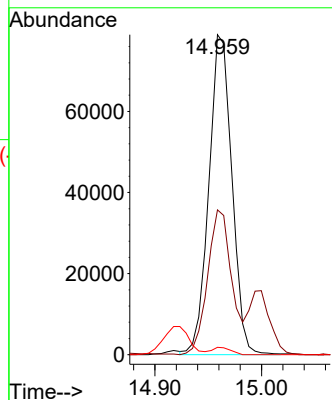
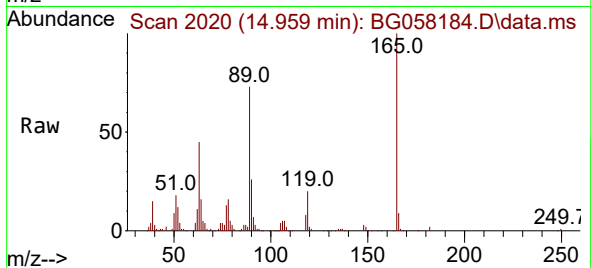
Tgt Ion:165 Resp: 118857

Ion Ratio Lower Upper

165 100

63 45.2 35.8 53.8

182 2.3 1.6 2.4



#58

2,3,4,6-Tetrachlorophenol

Concen: 33.133 ng/ul

RT: 15.223 min Scan# 2065

Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Tgt Ion:232 Resp: 97563

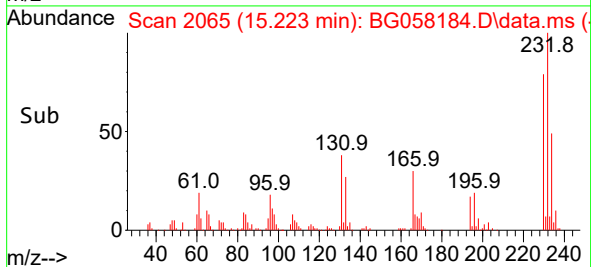
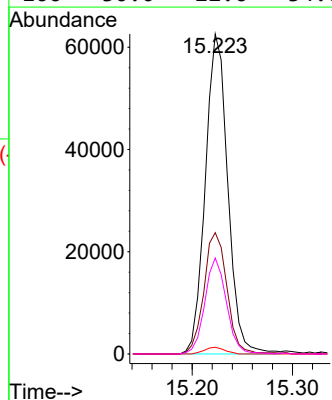
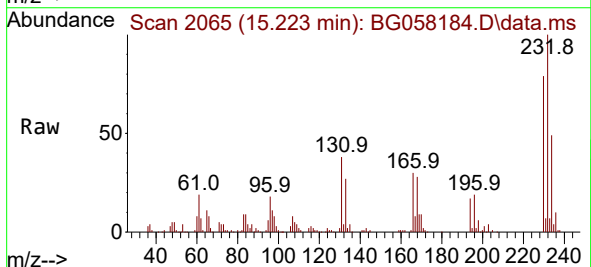
Ion Ratio Lower Upper

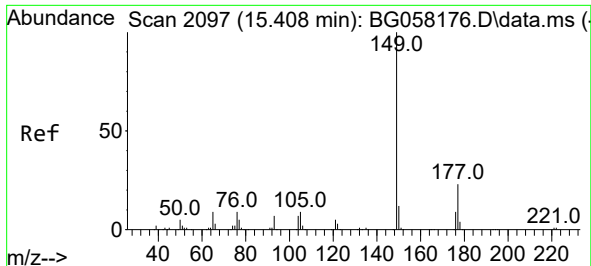
232 100

131 37.9 30.5 45.7

130 2.1 1.4 2.0#

166 30.0 22.6 34.0

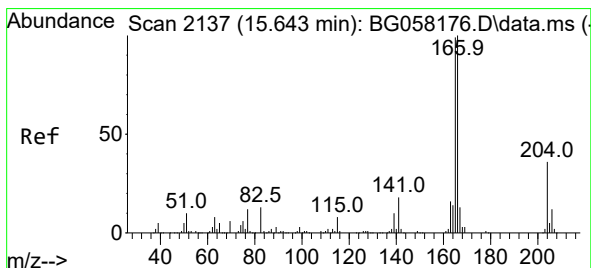
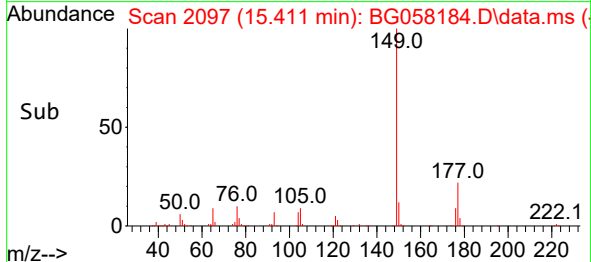
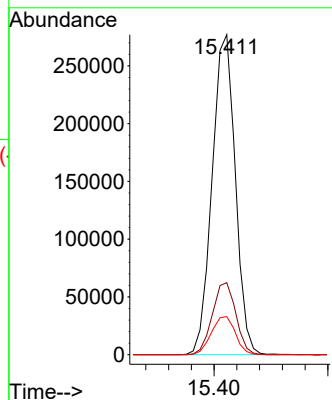
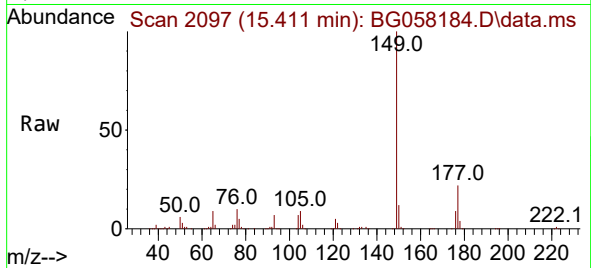




#59
Diethylphthalate
Concen: 32.681 ng/ul
RT: 15.411 min Scan# 2097
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

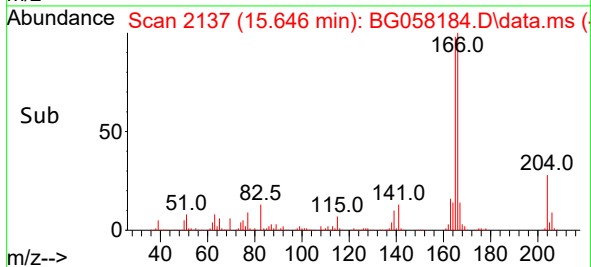
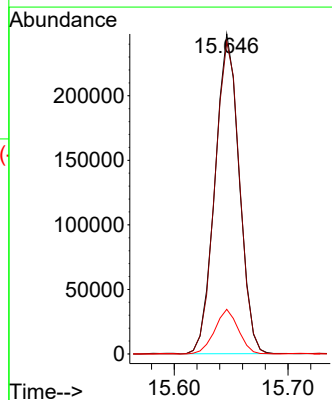
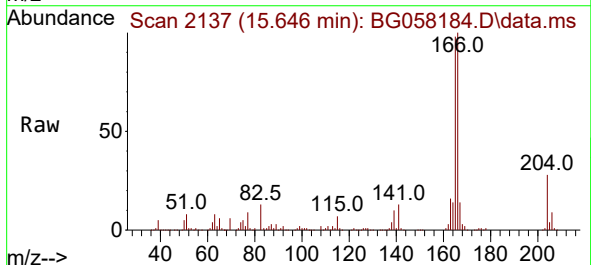
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

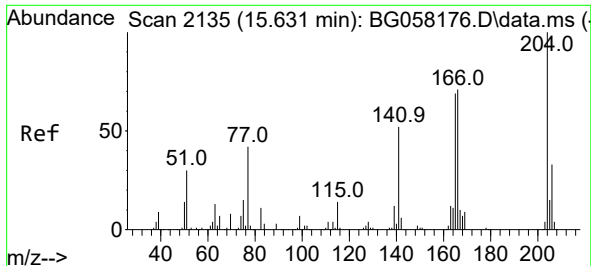
Tgt Ion:149 Resp: 391541
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.8
150 11.9 10.1 15.1



#61
Fluorene
Concen: 33.981 ng/ul
RT: 15.646 min Scan# 2137
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:166 Resp: 366176
Ion Ratio Lower Upper
166 100
165 97.6 79.1 118.7
167 14.0 10.7 16.1





#62

4-Chlorophenyl-phenylether

Concen: 34.150 ng/ul

RT: 15.634 min Scan# 2135

Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Instrument :

BNA_G

ClientSampleId :

HOA42MSD

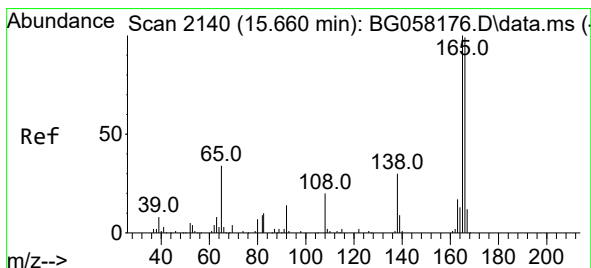
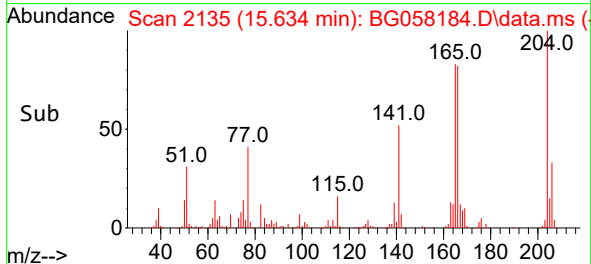
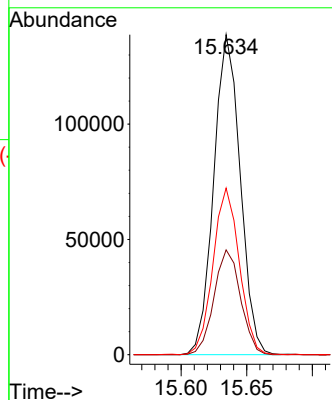
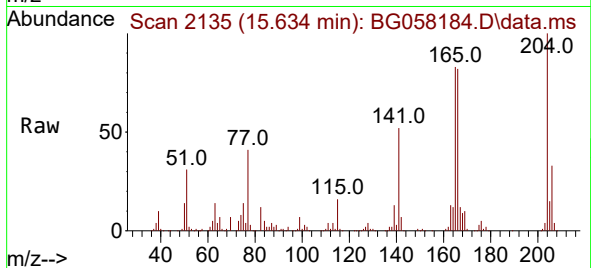
Tgt Ion:204 Resp: 194715

Ion Ratio Lower Upper

204 100

206 32.7 25.8 38.6

141 52.0 41.8 62.6



#63

4-Nitroaniline

Concen: 43.921 ng/ul

RT: 15.670 min Scan# 2141

Delta R.T. 0.009 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

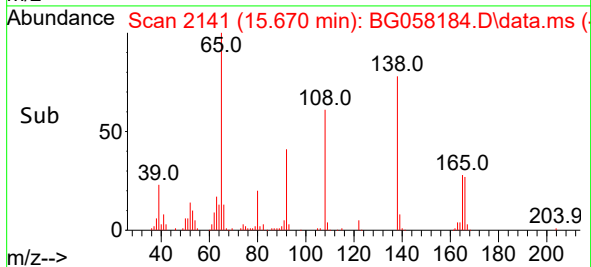
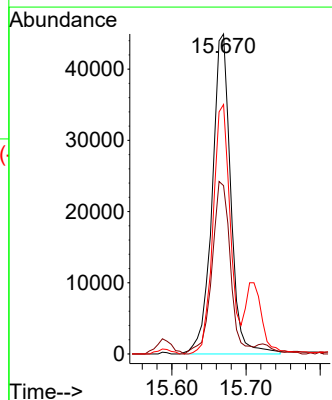
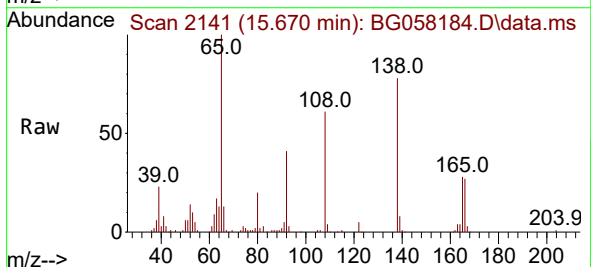
Tgt Ion:138 Resp: 78343

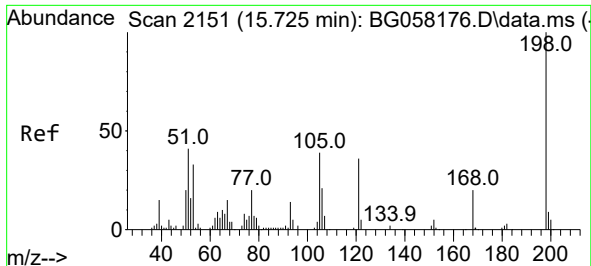
Ion Ratio Lower Upper

138 100

92 52.6 43.8 65.8

108 78.0 58.8 88.2

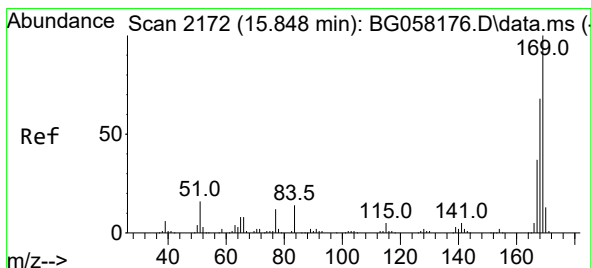
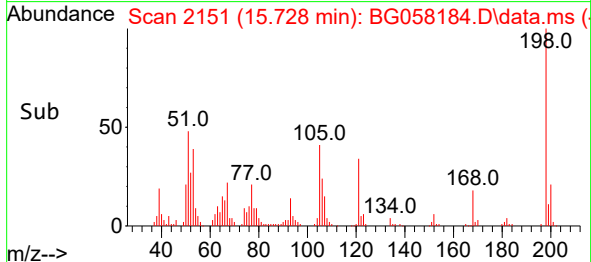
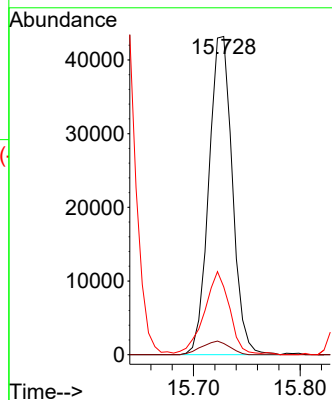
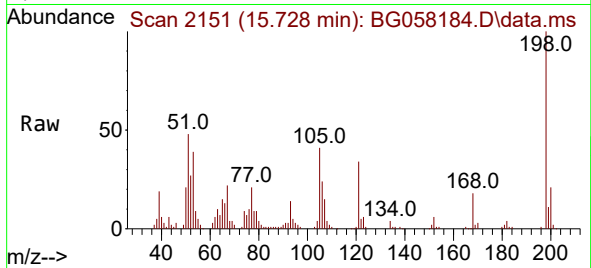




#66
 4,6-Dinitro-2-methylphenol
 Concen: 35.765 ng/ul
 RT: 15.728 min Scan# 2151
 Delta R.T. 0.009 min
 Lab File: BG058184.D
 Acq: 12 Jul 2023 13:05

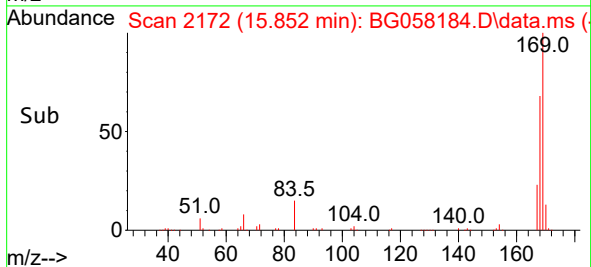
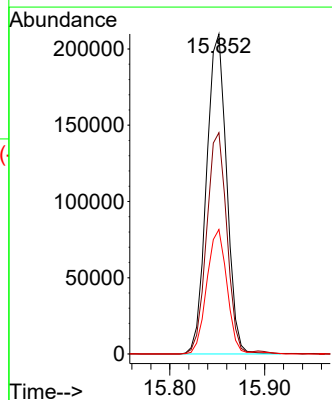
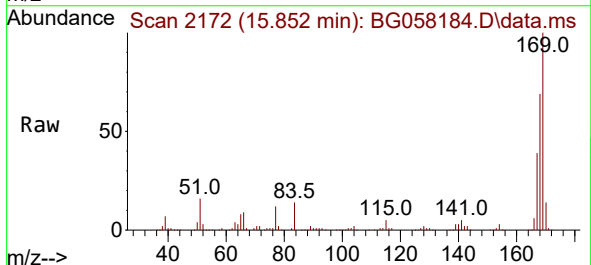
Instrument :
 BNA_G
 ClientSampleId :
 HOA42MSD

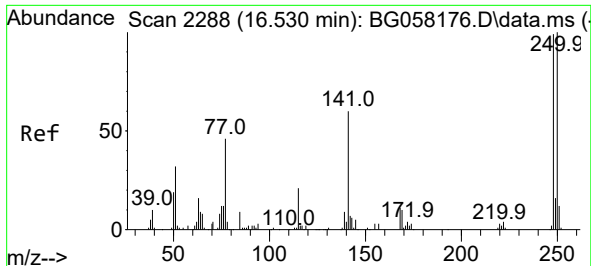
Tgt Ion:198 Resp: 66007
 Ion Ratio Lower Upper
 198 100
 182 3.5 3.1 4.7
 77 21.3 17.9 26.9



#67
 N-Nitrosodiphenylamine
 Concen: 34.912 ng/ul
 RT: 15.852 min Scan# 2172
 Delta R.T. 0.003 min
 Lab File: BG058184.D
 Acq: 12 Jul 2023 13:05

Tgt Ion:169 Resp: 308806
 Ion Ratio Lower Upper
 169 100
 168 69.1 54.2 81.2
 167 38.9 30.8 46.2

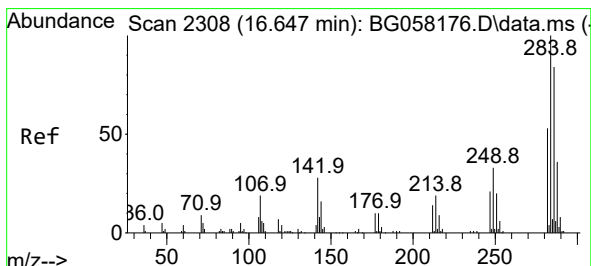
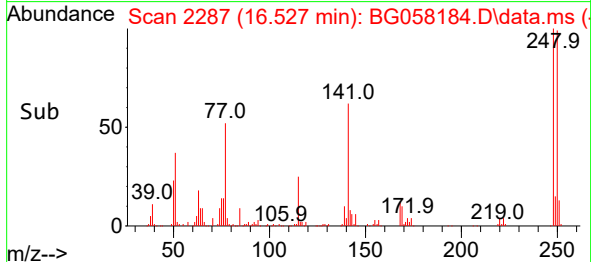
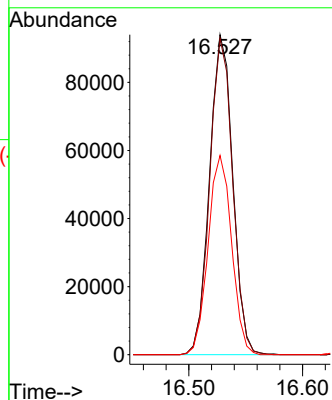
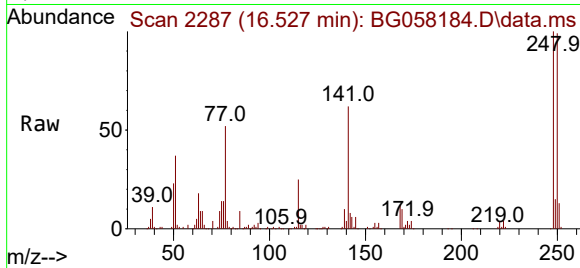




#68
4-Bromophenyl-phenylether
Concen: 36.603 ng/ul
RT: 16.527 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

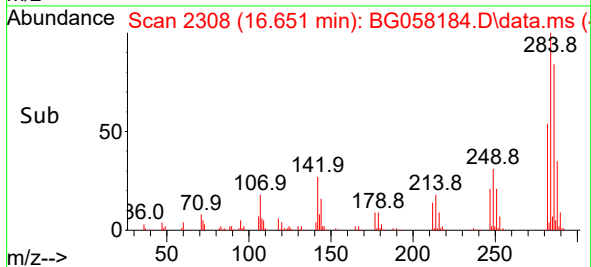
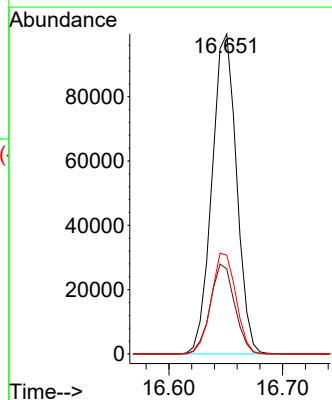
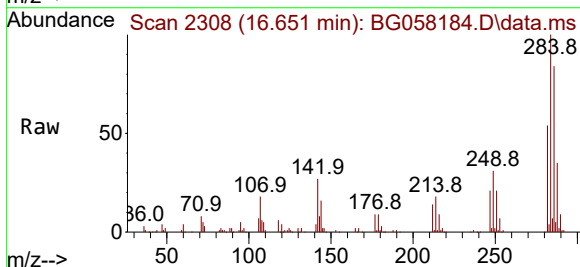
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

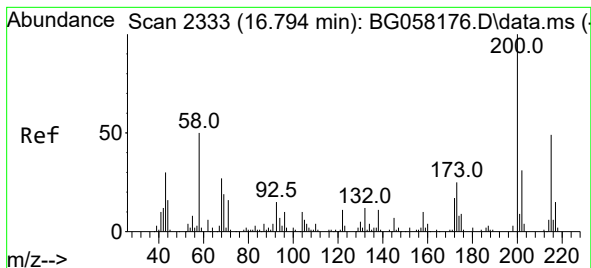
Tgt Ion:248 Resp: 133538
Ion Ratio Lower Upper
248 100
250 98.9 78.3 117.5
141 62.2 49.1 73.7



#69
Hexachlorobenzene
Concen: 36.660 ng/ul
RT: 16.651 min Scan# 2308
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:284 Resp: 149743
Ion Ratio Lower Upper
284 100
142 26.6 21.9 32.9
249 30.9 25.0 37.6





#70

Atrazine

Concen: 23.842 ng/ul

RT: 16.792 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Instrument :

BNA_G

ClientSampleId :

HOA42MSD

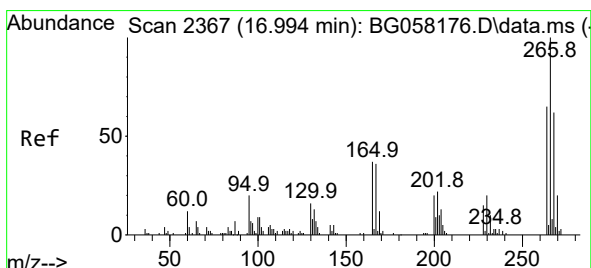
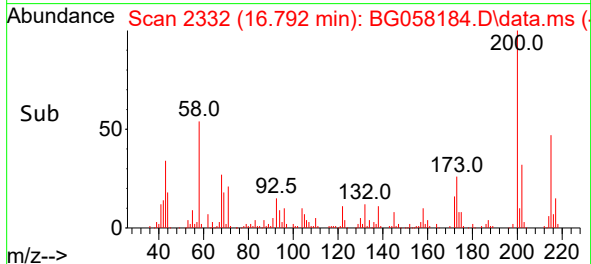
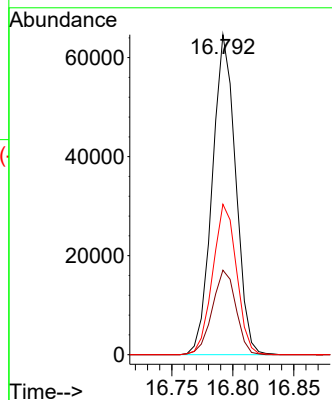
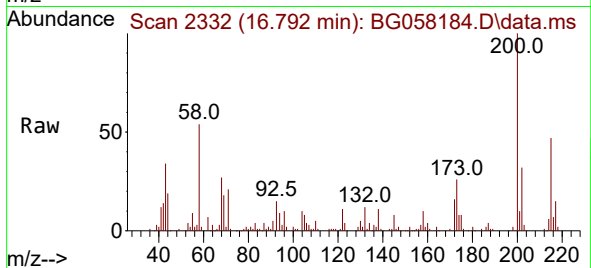
Tgt Ion:200 Resp: 86236

Ion Ratio Lower Upper

200 100

173 26.4 20.0 30.0

215 47.0 35.8 53.8



#71

Pentachlorophenol

Concen: 32.452 ng/ul

RT: 16.992 min Scan# 2366

Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

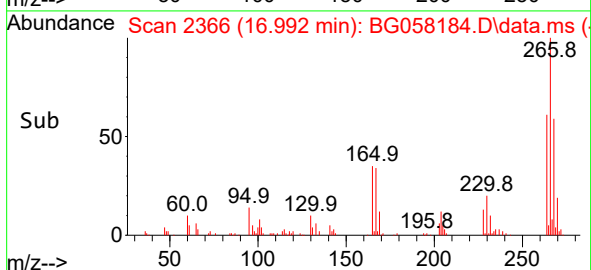
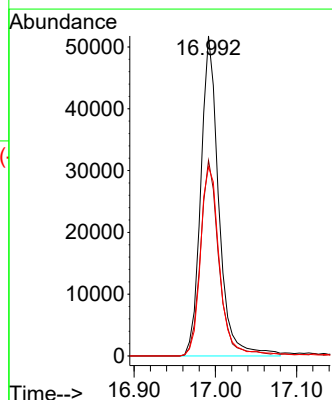
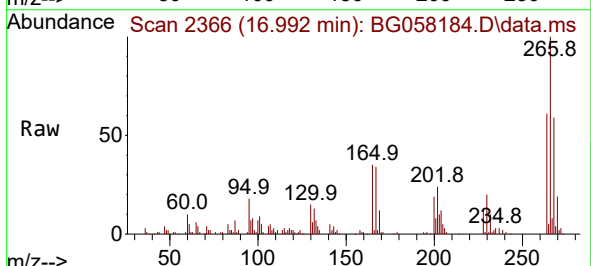
Tgt Ion:266 Resp: 79578

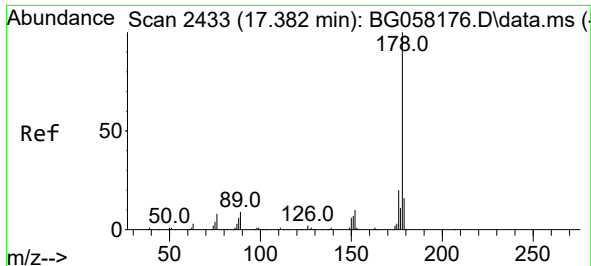
Ion Ratio Lower Upper

266 100

264 61.1 51.5 77.3

268 59.1 49.0 73.4

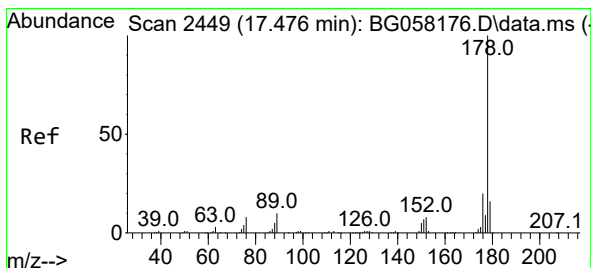
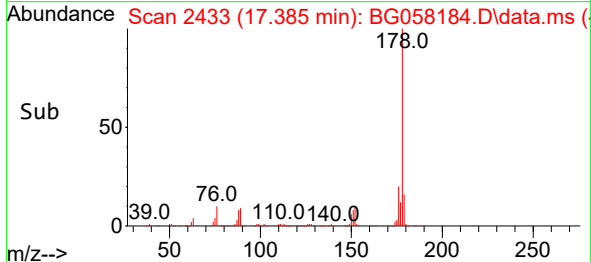
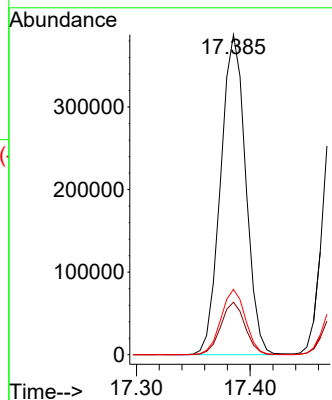
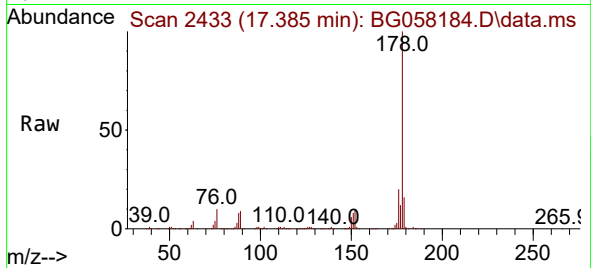




#72
Phenanthrene
Concen: 35.087 ng/ul
RT: 17.385 min Scan# 2433
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

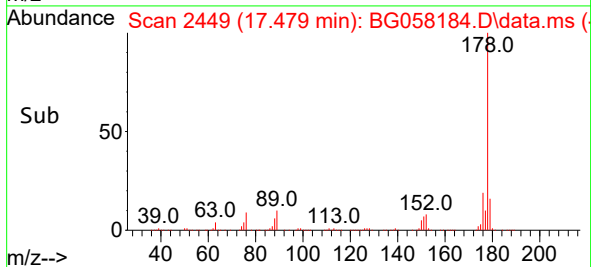
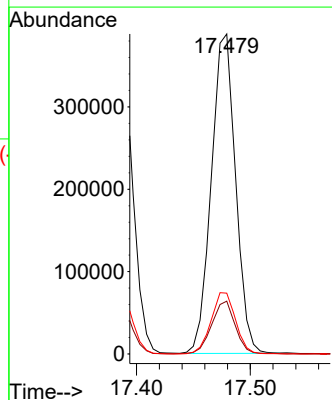
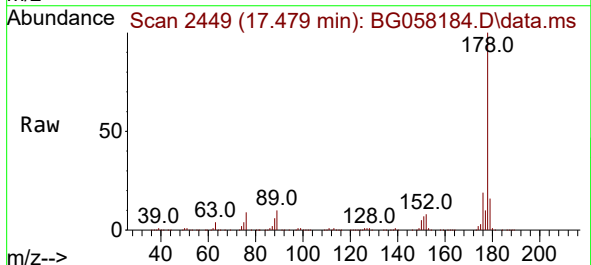
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

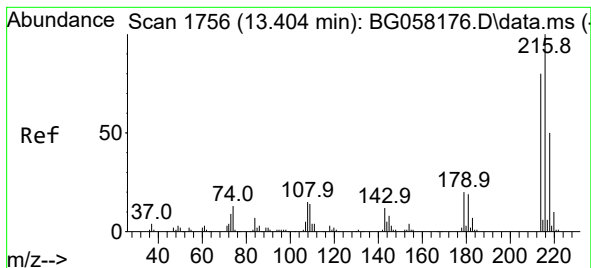
Tgt Ion:178 Resp: 593184
Ion Ratio Lower Upper
178 100
179 16.4 12.8 19.2
176 20.4 15.7 23.5



#74
Anthracene
Concen: 33.655 ng/ul
RT: 17.479 min Scan# 2449
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:178 Resp: 575786
Ion Ratio Lower Upper
178 100
179 16.5 12.6 18.8
176 19.0 15.4 23.2

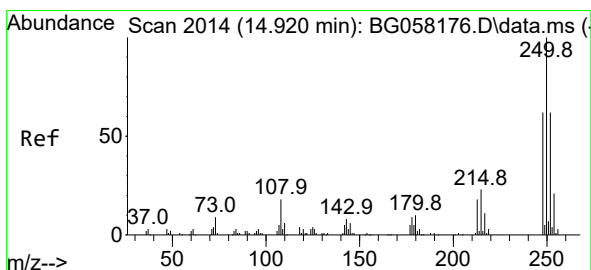
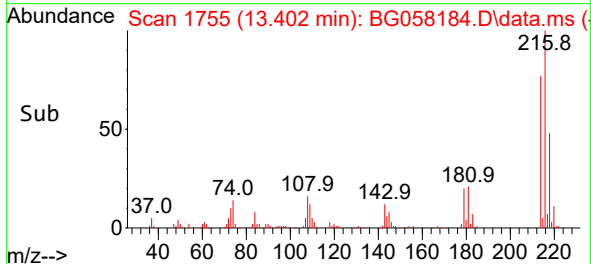
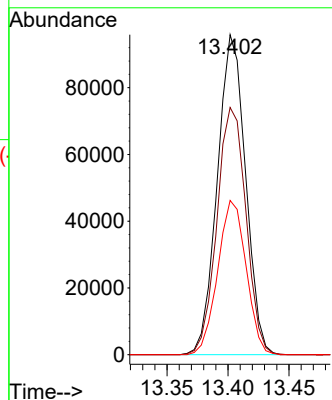
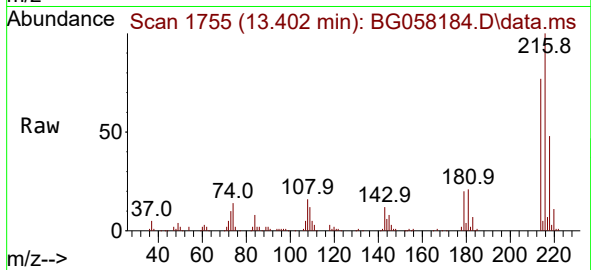




#75
1,2,3,4-Tetrachlorobenzene
Concen: 35.046 ng/uL
RT: 13.402 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

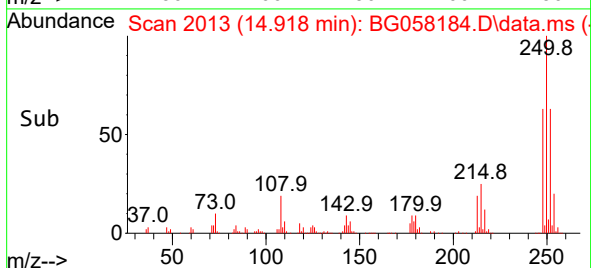
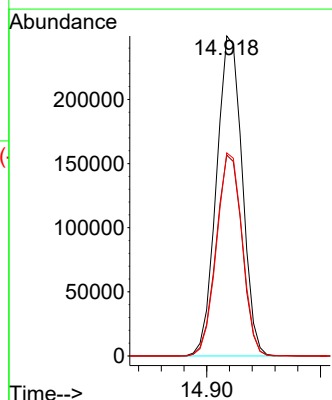
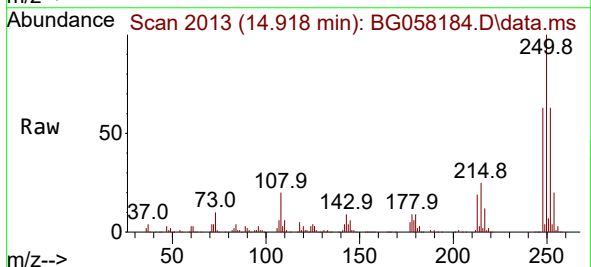
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

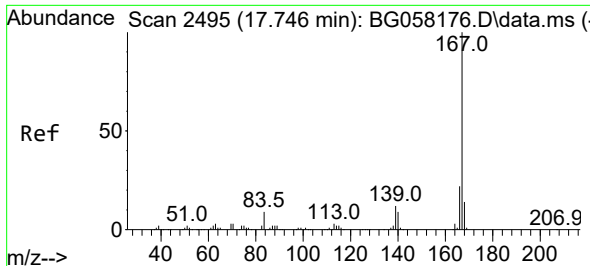
Tgt Ion:216 Resp: 154477
Ion Ratio Lower Upper
216 100
214 77.2 64.8 97.2
218 48.2 39.1 58.7



#76
Pentachlorobenzene
Concen: 83.403 ng/uL
RT: 14.918 min Scan# 2013
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:250 Resp: 392630
Ion Ratio Lower Upper
250 100
248 62.8 52.8 79.2
252 63.4 52.4 78.6

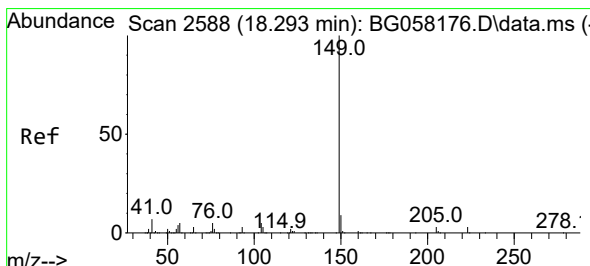
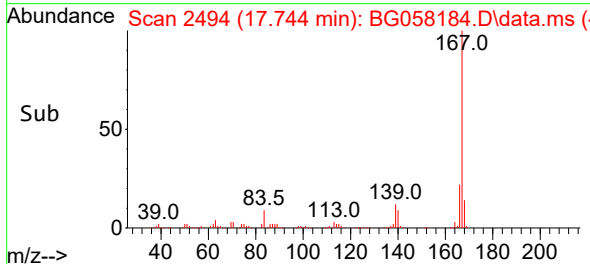
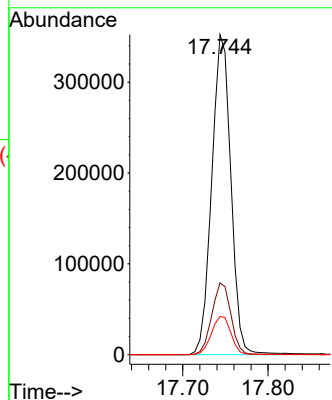
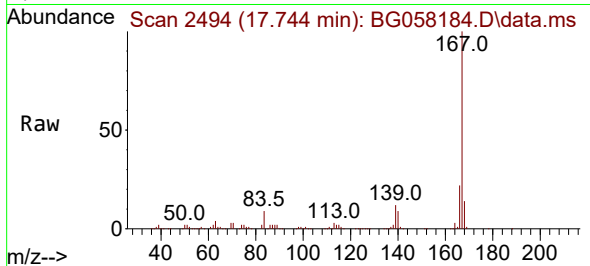




#77
 Carbazole
 Concen: 35.428 ng/ul
 RT: 17.744 min Scan# 2495
 Delta R.T. -0.003 min
 Lab File: BG058184.D
 Acq: 12 Jul 2023 13:05

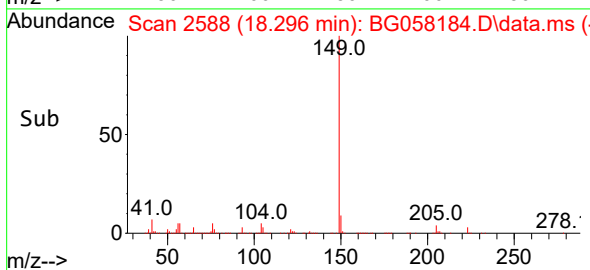
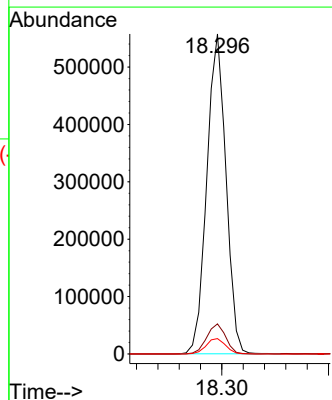
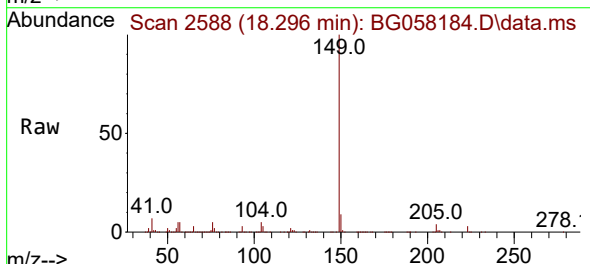
Instrument :
 BNA_G
 ClientSampleId :
 HOA42MSD

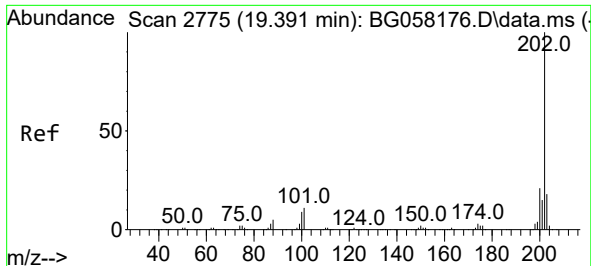
Tgt Ion:167 Resp: 548168
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.5 26.3
 139 11.9 9.5 14.3



#78
 Di-n-butylphthalate
 Concen: 35.268 ng/ul
 RT: 18.296 min Scan# 2588
 Delta R.T. -0.003 min
 Lab File: BG058184.D
 Acq: 12 Jul 2023 13:05

Tgt Ion:149 Resp: 695129
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 4.8 3.9 5.9

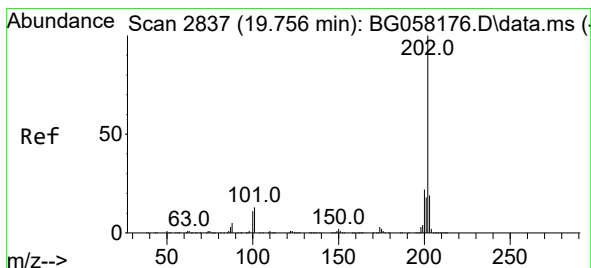
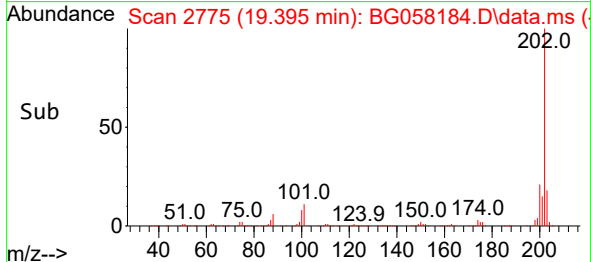
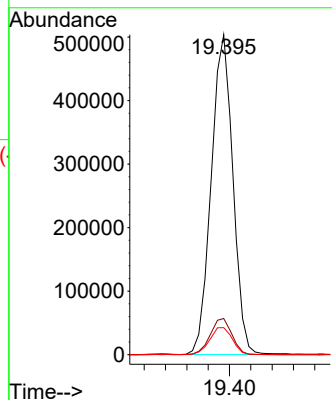
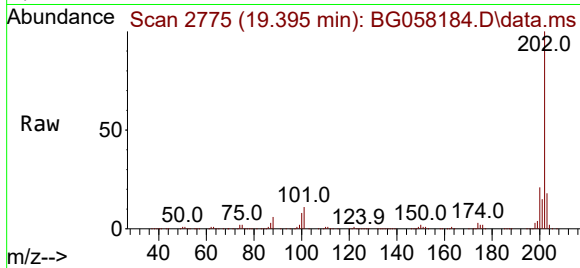




#80
Fluoranthene
Concen: 34.644 ng/ul
RT: 19.395 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

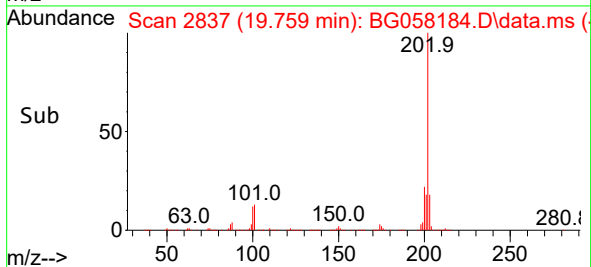
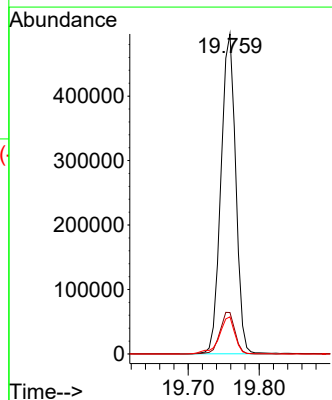
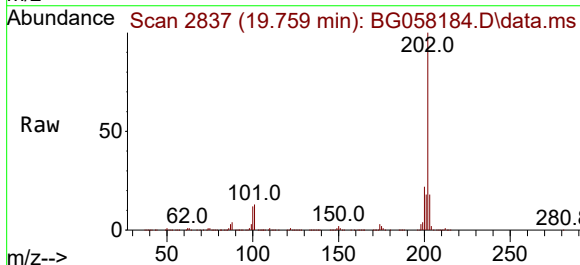
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

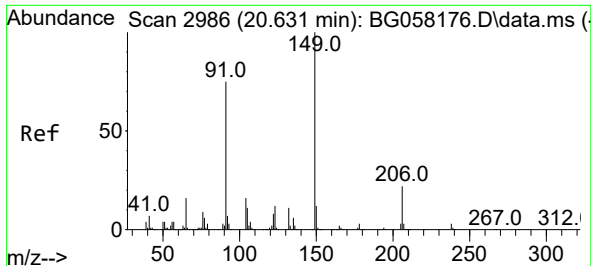
Tgt Ion:202 Resp: 710837
Ion Ratio Lower Upper
202 100
101 11.3 9.1 13.7
100 8.5 7.1 10.7



#82
Pyrene
Concen: 34.597 ng/ul
RT: 19.759 min Scan# 2837
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:202 Resp: 714566
Ion Ratio Lower Upper
202 100
101 12.9 10.2 15.2
100 11.6 8.9 13.3

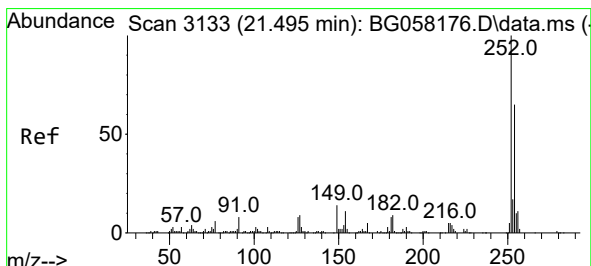
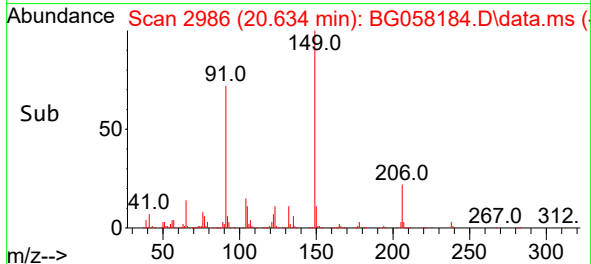
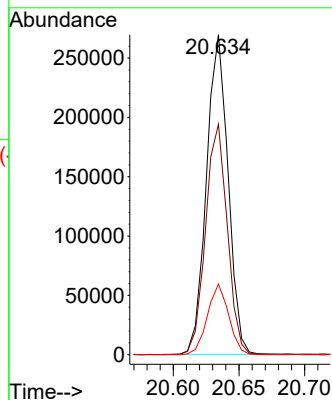
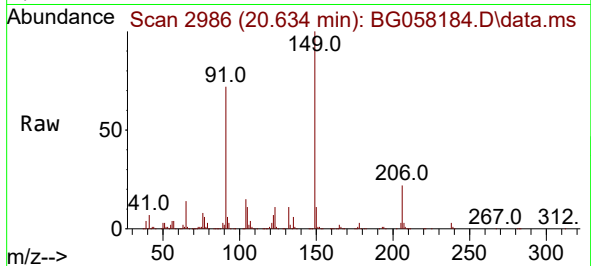




#83
 Butylbenzylphthalate
 Concen: 36.881 ng/ul
 RT: 20.634 min Scan# 2986
 Delta R.T. -0.003 min
 Lab File: BG058184.D
 Acq: 12 Jul 2023 13:05

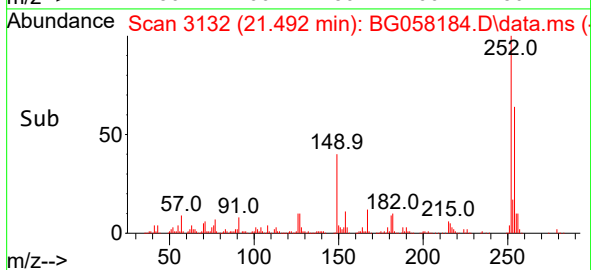
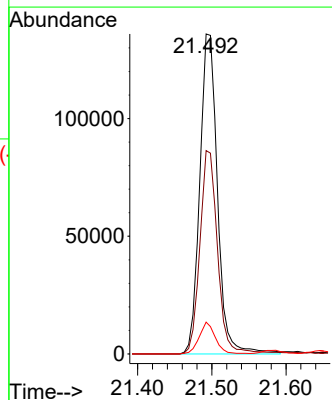
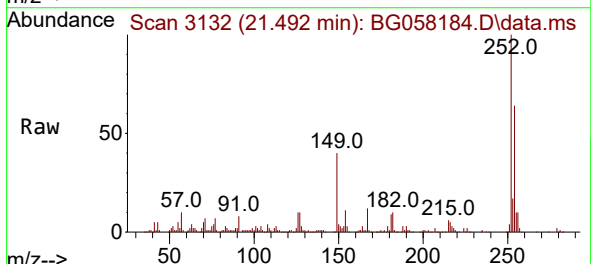
Instrument :
 BNA_G
 ClientSampleId :
 HOA42MSD

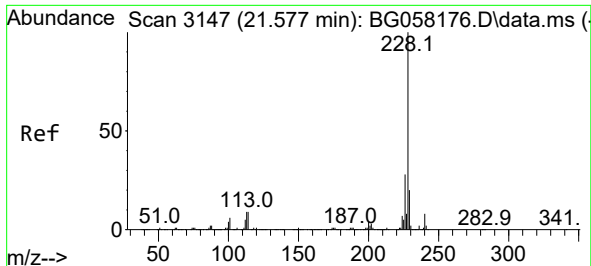
Tgt Ion:149 Resp: 308888
 Ion Ratio Lower Upper
 149 100
 91 72.0 56.5 84.7
 206 22.1 17.4 26.0



#84
 3,3'-Dichlorobenzidine
 Concen: 33.255 ng/ul
 RT: 21.492 min Scan# 3132
 Delta R.T. -0.003 min
 Lab File: BG058184.D
 Acq: 12 Jul 2023 13:05

Tgt Ion:252 Resp: 226354
 Ion Ratio Lower Upper
 252 100
 254 63.6 50.7 76.1
 126 10.0 6.6 10.0

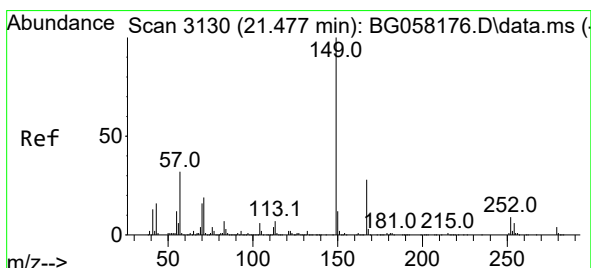
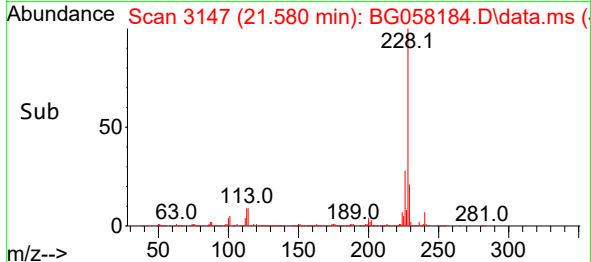
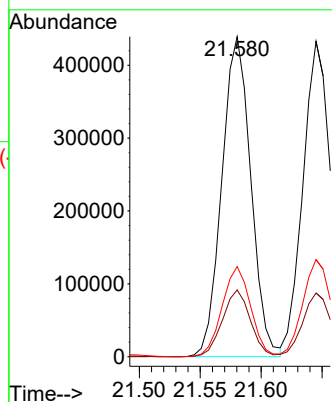
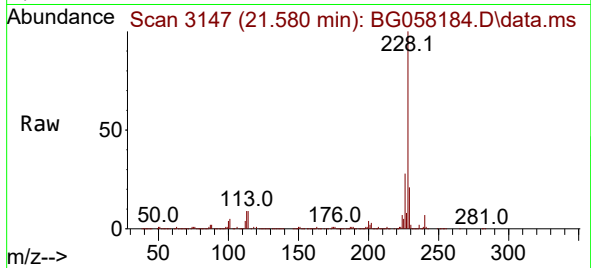




#85
Benzo(a)anthracene
Concen: 36.001 ng/ul
RT: 21.580 min Scan# 3147
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

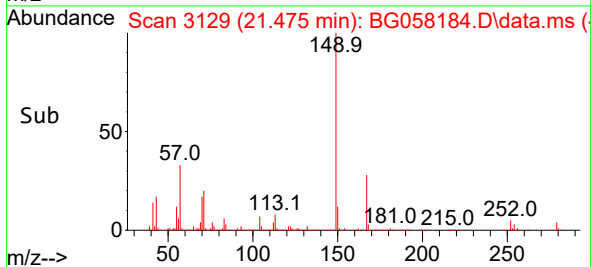
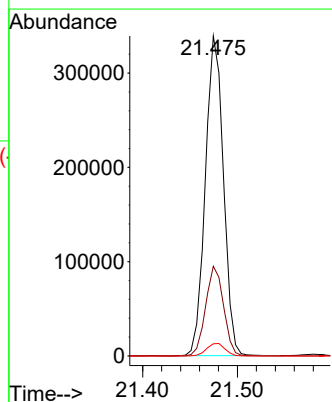
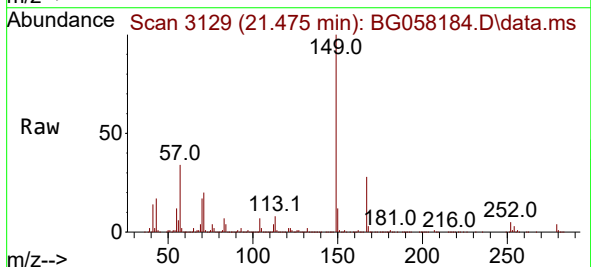
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

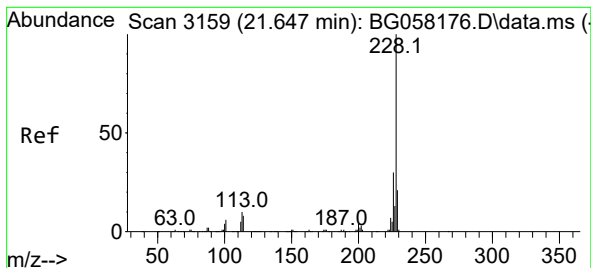
Tgt Ion:228 Resp: 726775
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.2 22.0 33.0



#86
Bis(2-ethylhexyl)phthalate
Concen: 37.425 ng/ul
RT: 21.475 min Scan# 3129
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:149 Resp: 449173
Ion Ratio Lower Upper
149 100
167 28.1 20.9 31.3
279 3.8 3.1 4.7





#87

Chrysene

Concen: 36.189 ng/ul

RT: 21.645 min Scan# 3159

Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Instrument :

BNA_G

ClientSampleId :

HOA42MSD

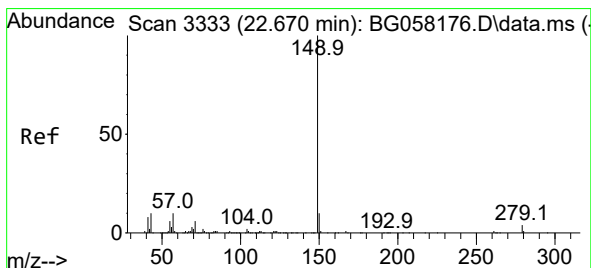
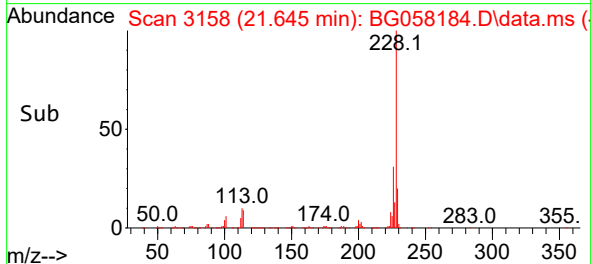
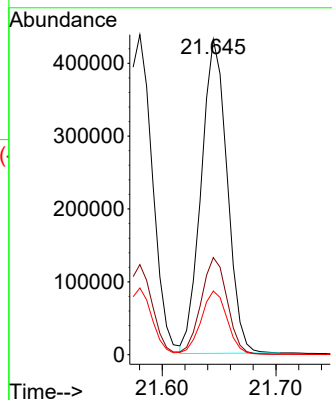
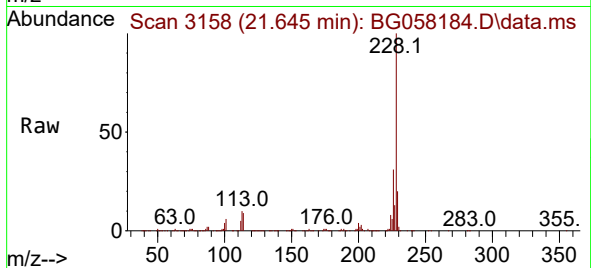
Tgt Ion:228 Resp: 684854

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

229 20.2 15.5 23.3



#89

Di-n-octyl phthalate

Concen: 36.691 ng/ul

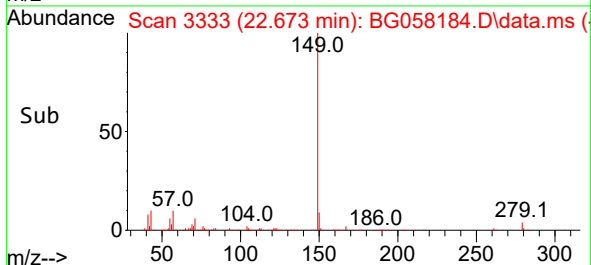
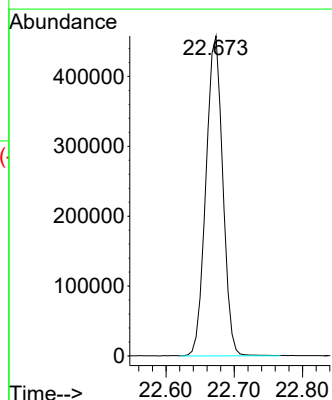
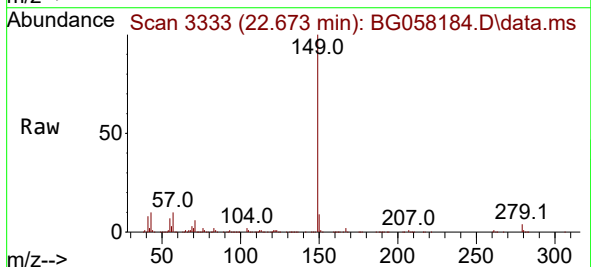
RT: 22.673 min Scan# 3333

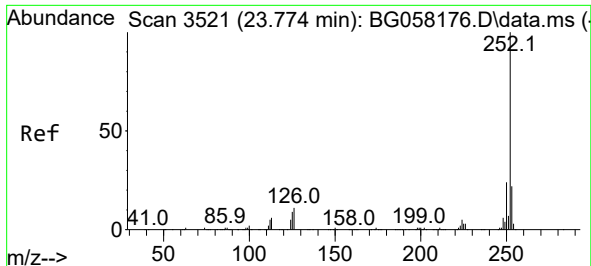
Delta R.T. -0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Tgt Ion:149 Resp: 786077





#90

Benzo(b)fluoranthene

Concen: 35.786 ng/ul

RT: 23.772 min Scan# 3521

Delta R.T. 0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

Instrument :

BNA_G

ClientSampleId :

HOA42MSD

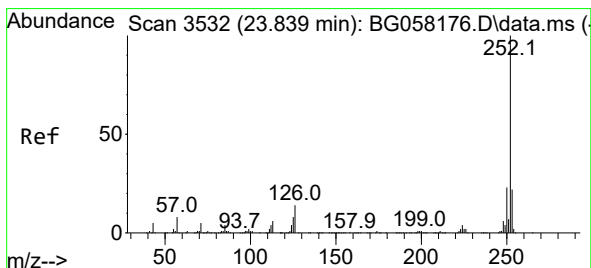
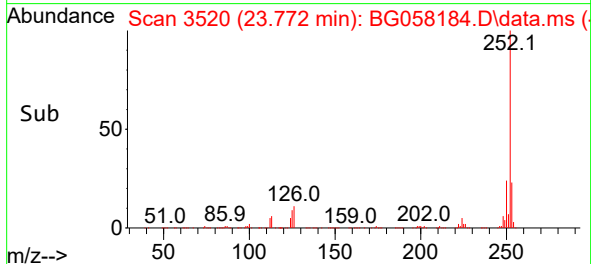
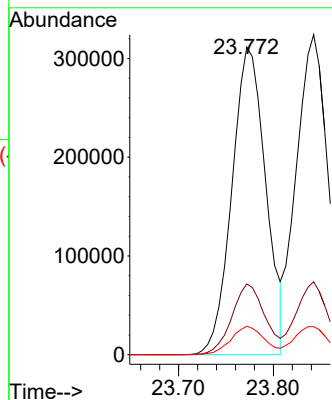
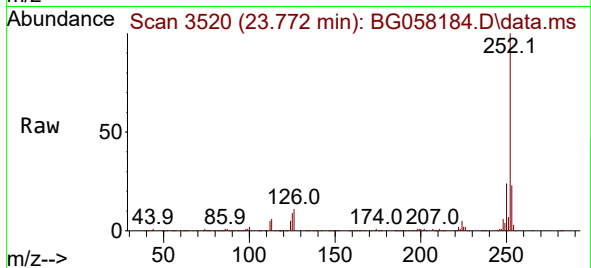
Tgt Ion:252 Resp: 772603

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

125 9.3 7.5 11.3



#91

Benzo(k)fluoranthene

Concen: 36.127 ng/ul

RT: 23.842 min Scan# 3532

Delta R.T. 0.003 min

Lab File: BG058184.D

Acq: 12 Jul 2023 13:05

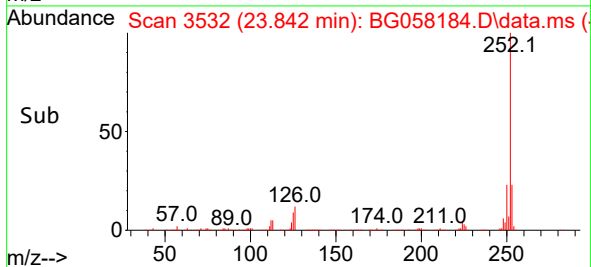
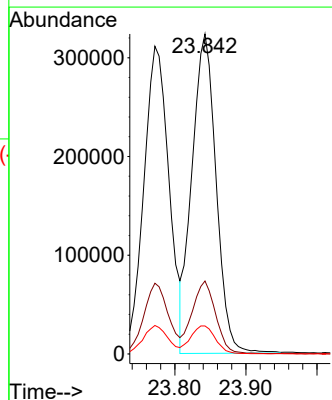
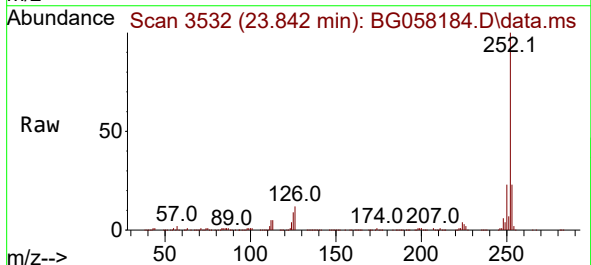
Tgt Ion:252 Resp: 764516

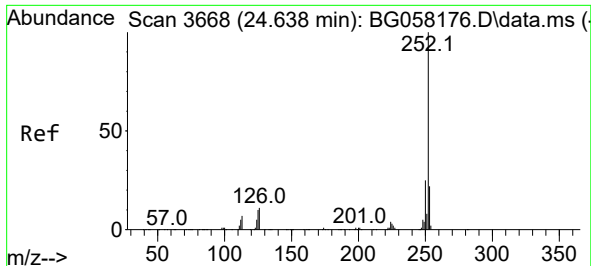
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 8.8 7.4 11.2

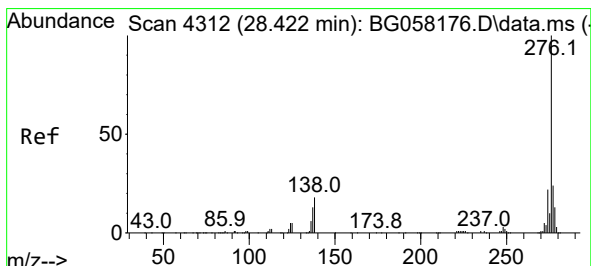
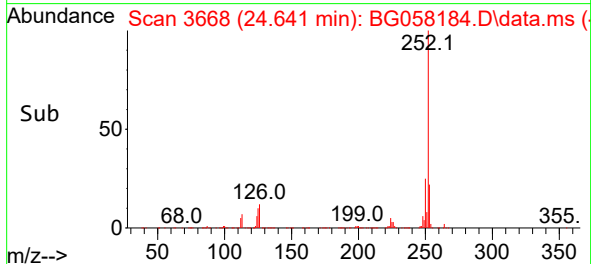
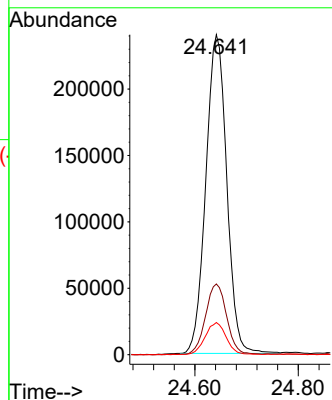
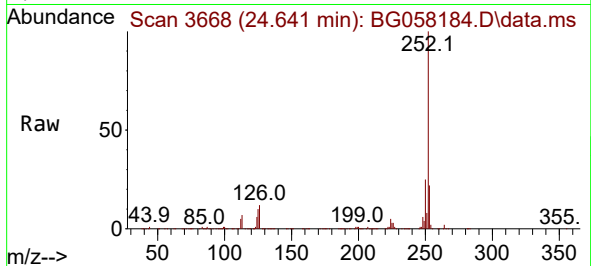




#93
Benzo(a)pyrene
Concen: 35.198 ng/ul
RT: 24.641 min Scan# 30
Delta R.T. 0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

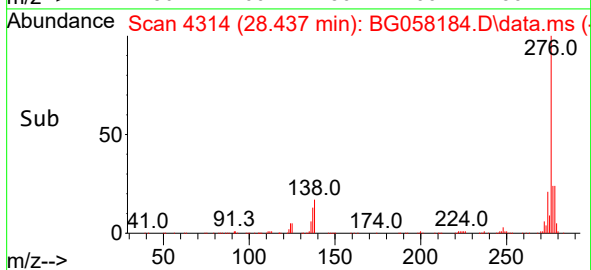
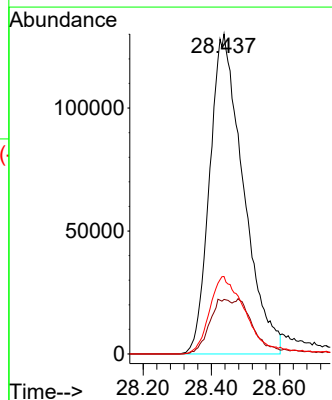
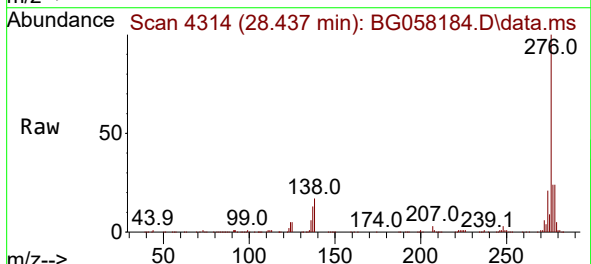
Instrument :
BNA_G
ClientSampleId :
HOA42MSD

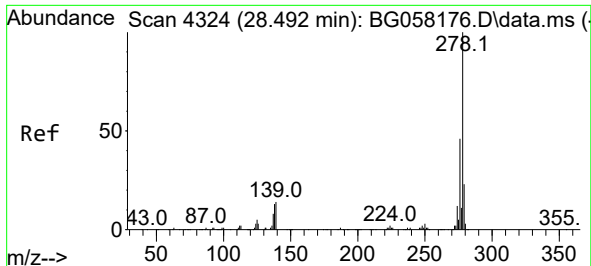
Tgt Ion:252 Resp: 672611
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.0 8.3 12.5



#94
Indeno(1,2,3-cd)pyrene
Concen: 35.071 ng/ul
RT: 28.437 min Scan# 4314
Delta R.T. 0.015 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:276 Resp: 889949
Ion Ratio Lower Upper
276 100
138 17.1 14.0 21.0
277 24.2 19.4 29.2

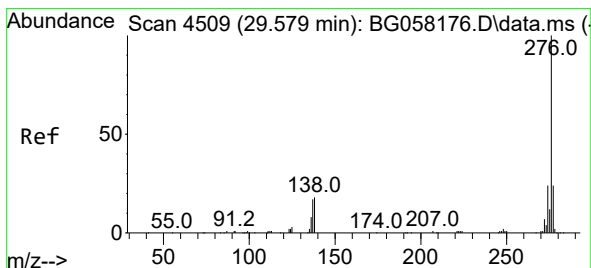
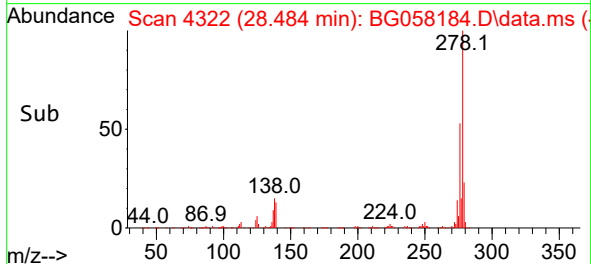
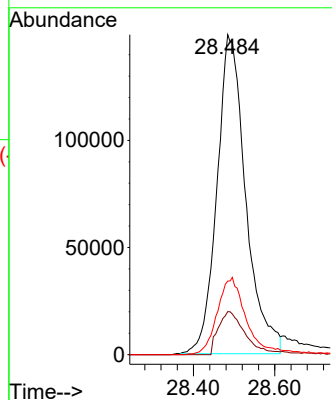
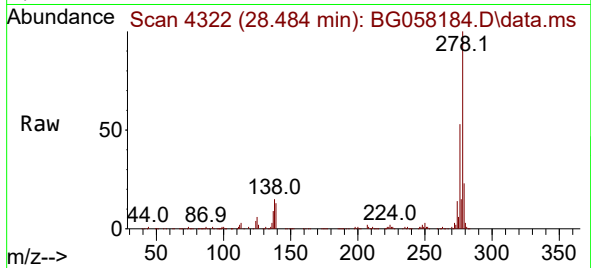




#95
Dibenzo(a,h)anthracene
Concen: 35.003 ng/ul
RT: 28.484 min Scan# 41
Delta R.T. -0.003 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Instrument :
BNA_G
ClientSampleId :
HOA42MSD

Tgt Ion:278 Resp: 732419
Ion Ratio Lower Upper
278 100
139 13.4 11.3 16.9
279 23.0 18.9 28.3



#96
Benzo(g,h,i)perylene
Concen: 33.751 ng/ul
RT: 29.577 min Scan# 4508
Delta R.T. 0.015 min
Lab File: BG058184.D
Acq: 12 Jul 2023 13:05

Tgt Ion:276 Resp: 699530
Ion Ratio Lower Upper
276 100
138 18.3 14.2 21.2
277 23.0 18.6 27.8

