

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030823\
 Data File : BG056889.D
 Acq On : 8 Mar 2023 20:35
 Operator : CG/JU
 Sample : 01784-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCAD8

Quant Time: Mar 09 00:01:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030723.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 08 23:58:51 2023
 Response via : Initial Calibration

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

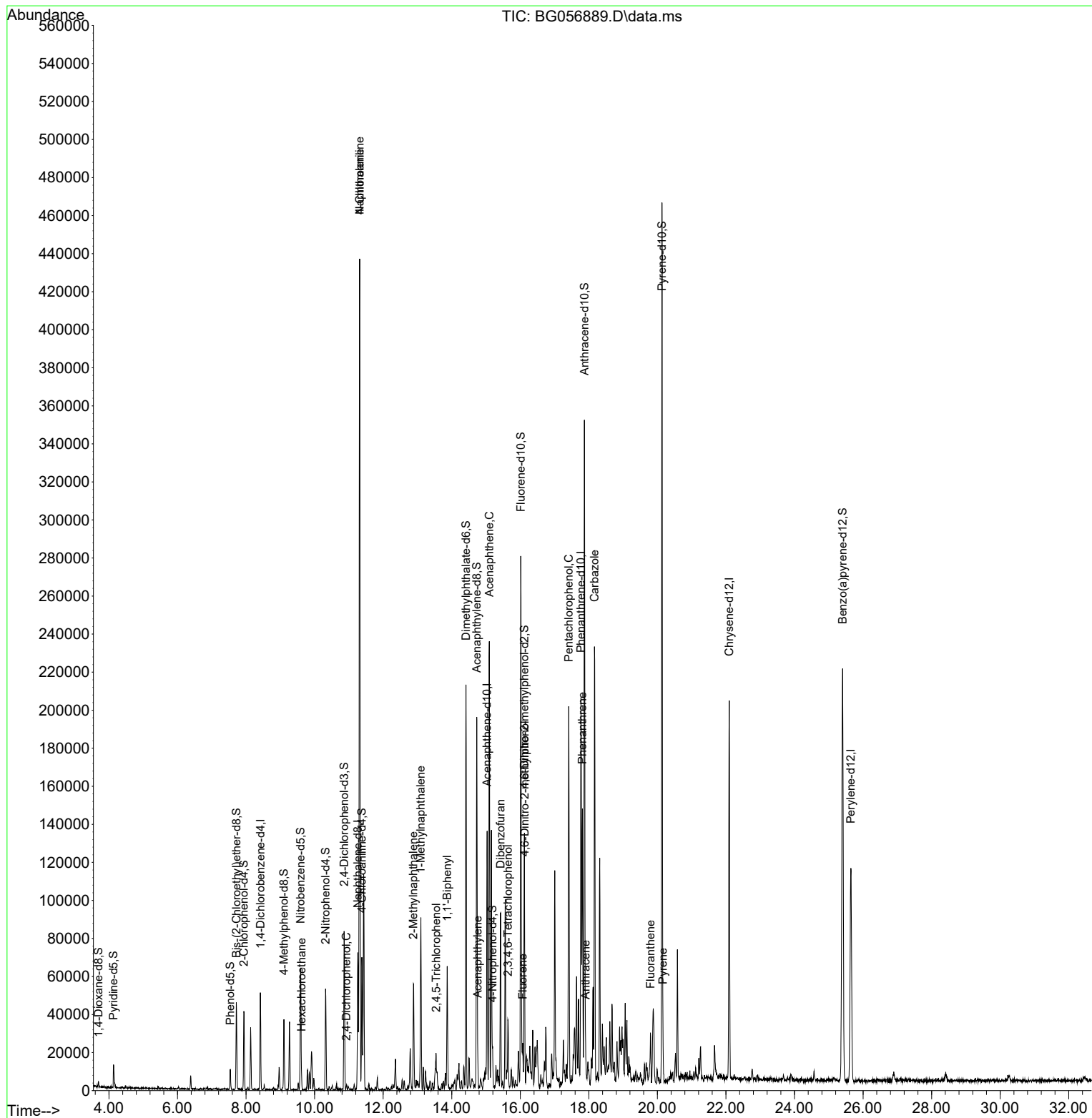
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.417	152	13885	20.000	ng/ul	0.00
20) Naphthalene-d8	11.261	136	57514	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	15.033	164	46277	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.771	188	125419	20.000	ng/ul	0.00
79) Chrysene-d12	22.095	240	128960	20.000	ng/ul	0.00
88) Perylene-d12	25.644	264	141215	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.693	96	1129	3.153	ng/uL	0.00
4) Pyridine-d5	4.134	84	6743	5.789	ng/ul	0.00
7) Phenol-d5	7.542	99	6323	4.443	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.718	67	23973	26.819	ng/ul	0.00
11) 2-Chlorophenol-d4	7.936	132	17947	20.150	ng/ul	0.00
15) 4-Methylphenol-d8	9.105	113	12906	12.019	ng/ul	0.00
21) Nitrobenzene-d5	9.592	128	13345	27.975	ng/ul	0.00
24) 2-Nitrophenol-d4	10.321	143	14452	25.609	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.862	165	27725	25.364	ng/ul	0.00
31) 4-Chloroaniline-d4	11.379	131	23824	16.541	ng/ul	0.00
46) Dimethylphthalate-d6	14.416	166	128338	32.422	ng/ul	0.00
49) Acenaphthylene-d8	14.728	160	125356	28.842	ng/ul	0.00
54) 4-Nitrophenol-d4	15.192	143	3921	5.846	ng/ul	0.00
60) Fluorene-d10	16.014	176	111863	30.476	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.120	200	29053	32.053	ng/ul	0.00
73) Anthracene-d10	17.871	188	203533	33.577	ng/ul	0.00
81) Pyrene-d10	20.133	212	264471	33.669	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.403	264	263437	34.069	ng/ul	0.00
Target Compounds						
					Qvalue	
19) Hexachloroethane	9.622	117	2810	7.435	ng/ul#	2
29) 2,4-Dichlorophenol	10.926	162	1257	1.193	ng/ul#	78
30) Naphthalene	11.314	128	342606	107.840	ng/ul	98
32) 4-Chloroaniline	11.314	127	45994	32.592	ng/ul#	17
36) 2-Methylnaphthalene	12.883	142	22508	9.849	ng/ul	89
37) 1-Methylnaphthalene	13.100	142	35670	15.622	ng/ul	94
42) 2,4,5-Trichlorophenol	13.547	196	2862	2.309	ng/ul#	90
43) 1,1'-Biphenyl	13.870	154	30077	8.678	ng/ul	98
50) Acenaphthylene	14.757	152	8844	2.014	ng/ul	97
52) Acenaphthene	15.098	153	96881	31.537	ng/ul	95
56) Dibenzofuran	15.427	168	54761	11.661	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.644	232	7777	6.510	ng/ul#	98
61) Fluorene	16.073	166	9388	2.510	ng/ul#	93
66) 4,6-Dinitro-2-methylph...	16.126	198	5036	5.805	ng/ul#	88
71) Pentachlorophenol	17.413	266	30334	30.496	ng/ul	98
72) Phenanthrene	17.812	178	59116	8.759	ng/ul	98
74) Anthracene	17.906	178	8149	1.185	ng/ul	98
77) Carbazole	18.165	167	147532	25.284	ng/ul	100
80) Fluoranthene	19.798	202	16164	1.726	ng/ul	97
82) Pyrene	20.162	202	10015	1.068	ng/ul#	87

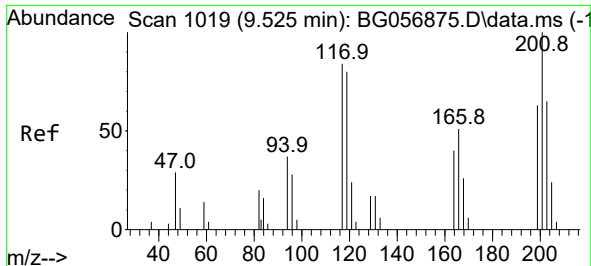
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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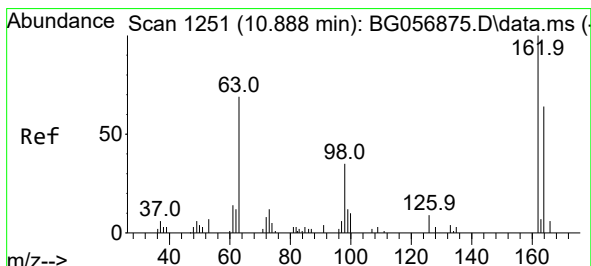
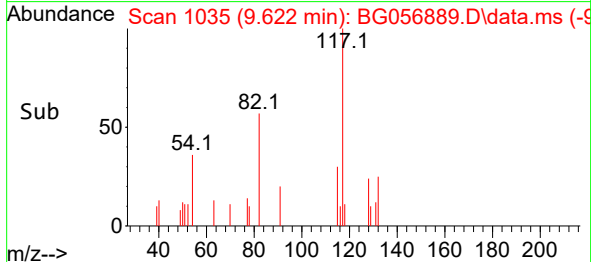
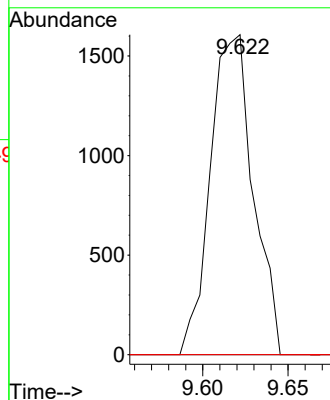
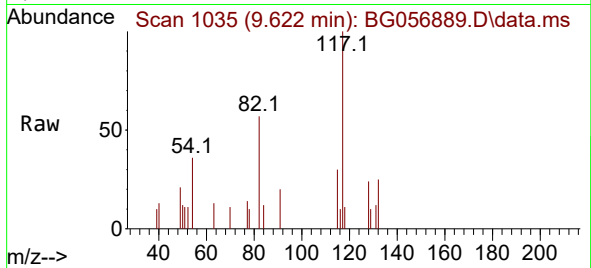




#19
Hexachloroethane
Concen: 7.435 ng/ul
RT: 9.622 min Scan# 1035
Delta R.T. 0.097 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

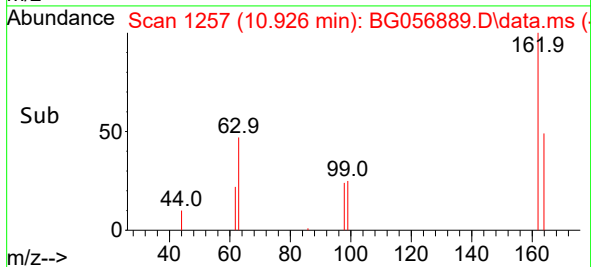
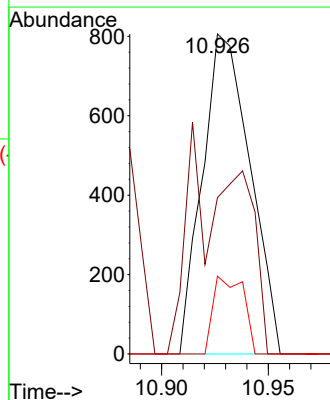
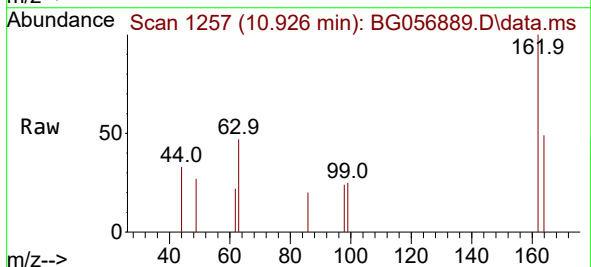
Instrument :
BNA_G
ClientSampleId :
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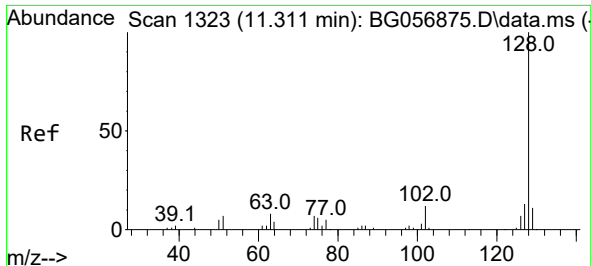
Tgt Ion:117 Resp: 2810
Ion Ratio Lower Upper
117 100
201 0.0 87.5 131.3#
199 0.0 63.8 95.6#



#29
2,4-Dichlorophenol
Concen: 1.193 ng/ul
RT: 10.926 min Scan# 1257
Delta R.T. 0.038 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

Tgt Ion:162 Resp: 1257
Ion Ratio Lower Upper
162 100
164 48.9 53.7 80.5#
98 24.3 28.7 43.1#

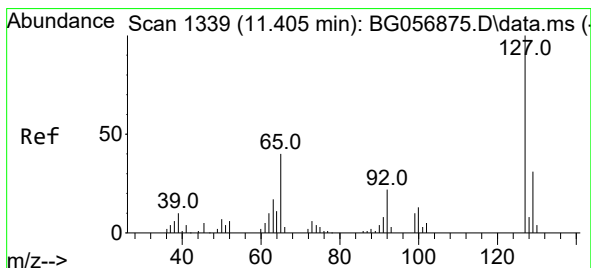
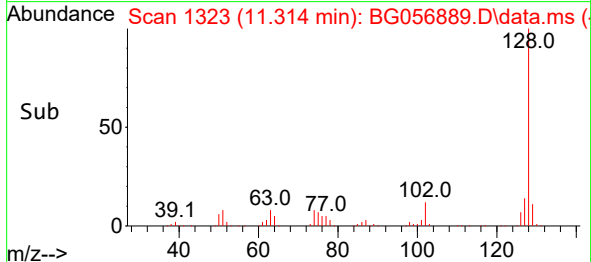
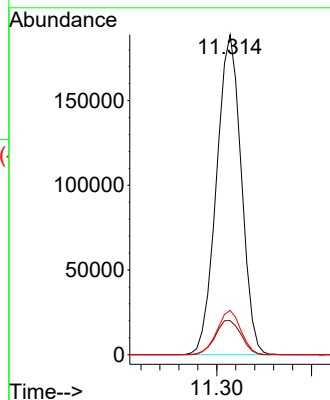
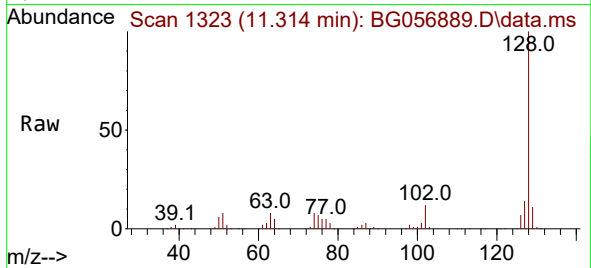




#30
Naphthalene
Concen: 107.840 ng/ul
RT: 11.314 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

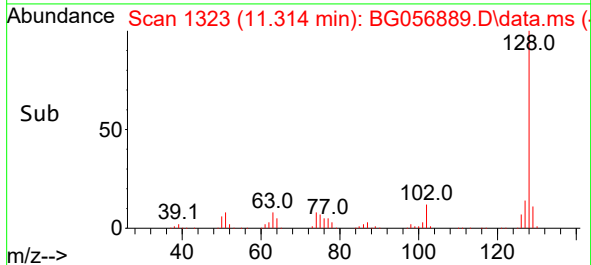
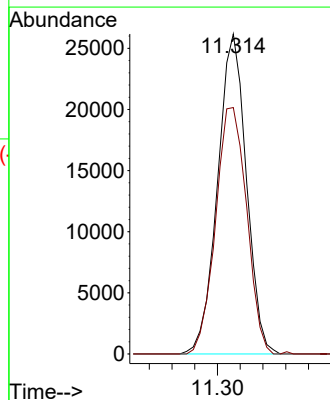
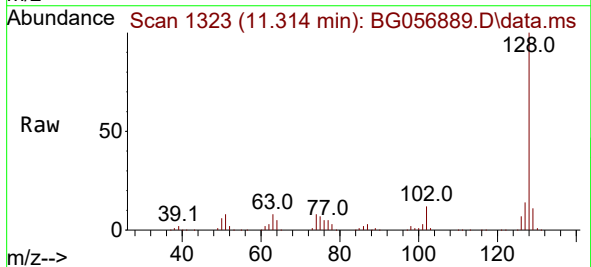
Instrument :
BNA_G
ClientSampleId :
DCAD8

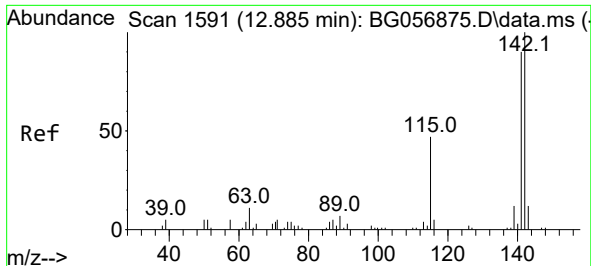
Tgt Ion:128 Resp: 342606
Ion Ratio Lower Upper
128 100
129 10.7 9.4 14.0
127 13.9 11.8 17.6



#32
4-Chloroaniline
Concen: 32.592 ng/ul
RT: 11.314 min Scan# 1323
Delta R.T. -0.091 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

Tgt Ion:127 Resp: 45994
Ion Ratio Lower Upper
127 100
129 77.0 25.1 37.7#

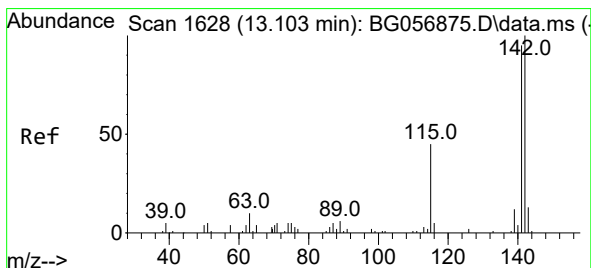
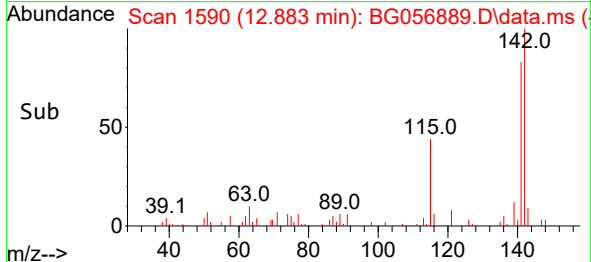
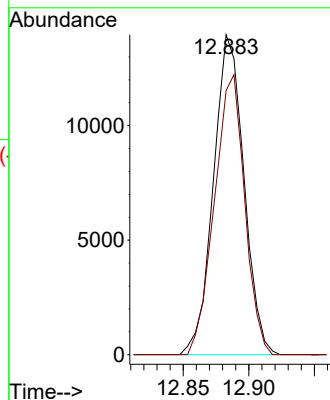
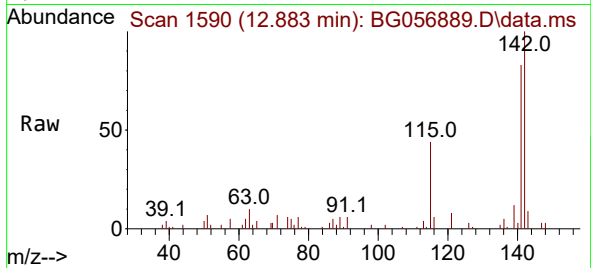




#36
2-Methylnaphthalene
Concen: 9.849 ng/ul
RT: 12.883 min Scan# 1590
Delta R.T. -0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

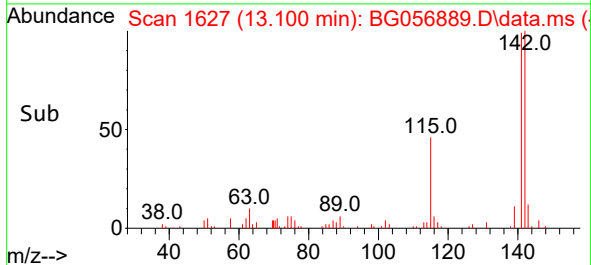
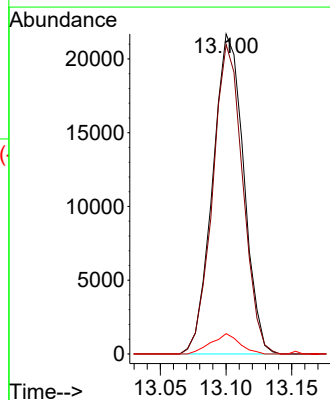
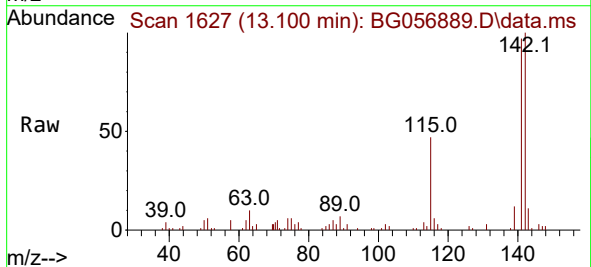
Instrument :
BNA_G
ClientSampleId :
DCAD8

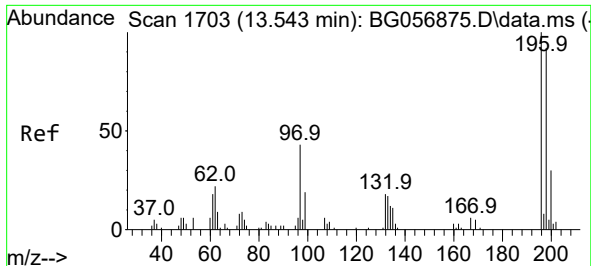
Tgt Ion:142 Resp: 22508
Ion Ratio Lower Upper
142 100
141 82.5 74.6 111.8



#37
1-Methylnaphthalene
Concen: 15.622 ng/ul
RT: 13.100 min Scan# 1627
Delta R.T. -0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

Tgt Ion:142 Resp: 35670
Ion Ratio Lower Upper
142 100
141 96.7 73.0 109.4
116 6.4 4.6 7.0

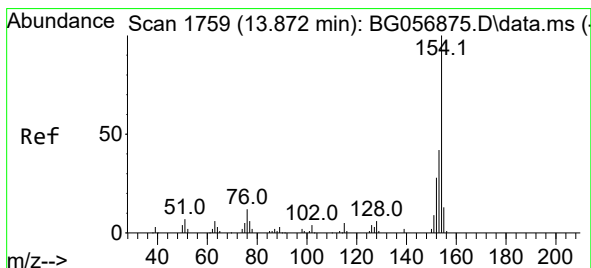
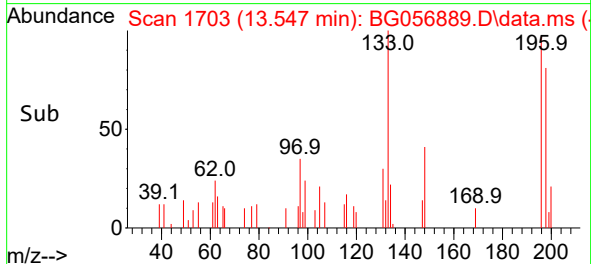
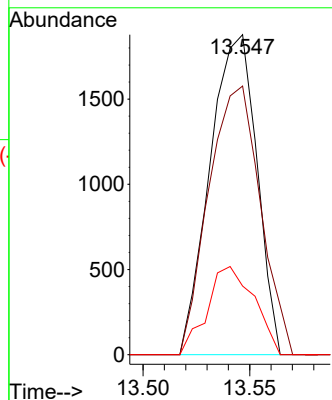
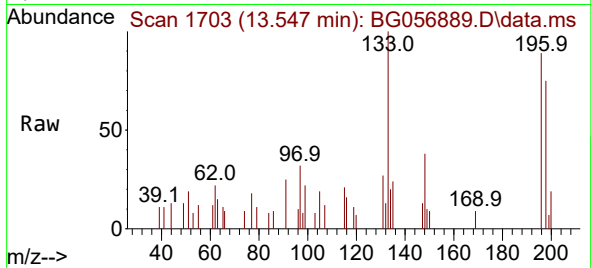




#42
2,4,5-Trichlorophenol
Concen: 2.309 ng/ul
RT: 13.547 min Scan# 1703
Delta R.T. 0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

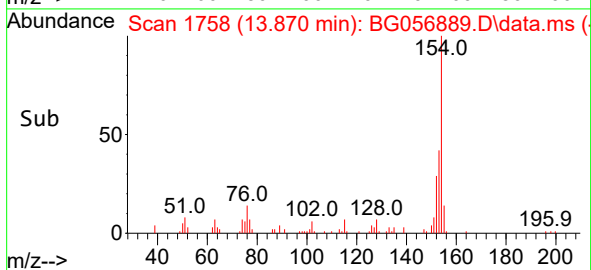
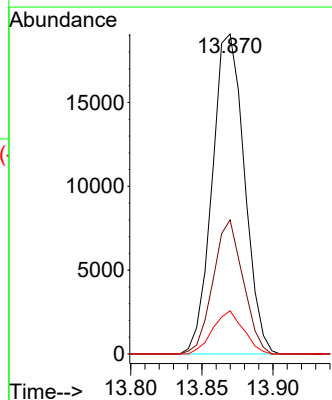
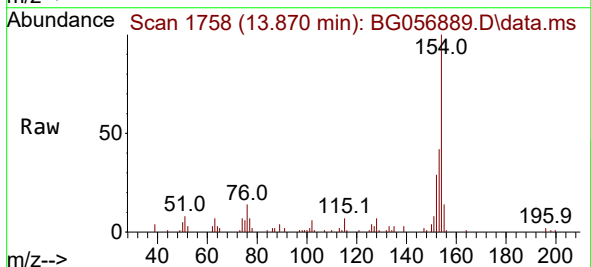
Instrument :
BNA_G
ClientSampleId :
DCAD8

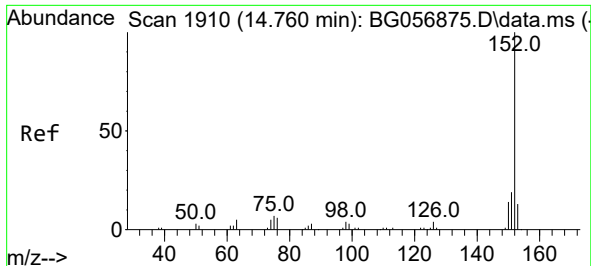
Tgt Ion:196 Resp: 2862
Ion Ratio Lower Upper
196 100
198 84.0 72.7 109.1
200 21.5 24.4 36.6#



#43
1,1'-Biphenyl
Concen: 8.678 ng/ul
RT: 13.870 min Scan# 1758
Delta R.T. -0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

Tgt Ion:154 Resp: 30077
Ion Ratio Lower Upper
154 100
153 41.9 34.2 51.4
76 13.5 9.2 13.8

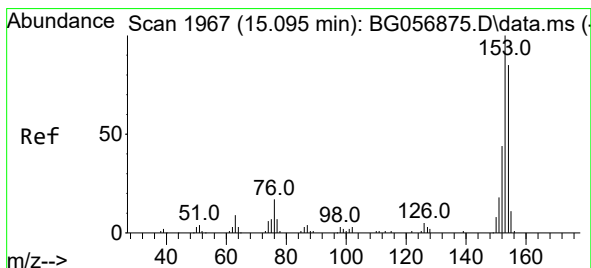
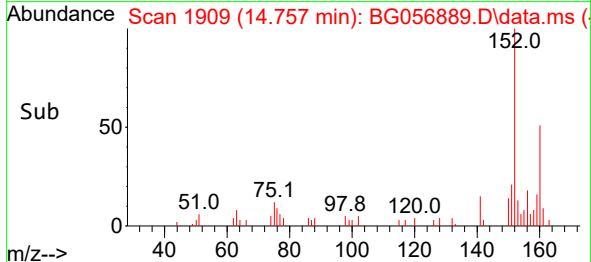
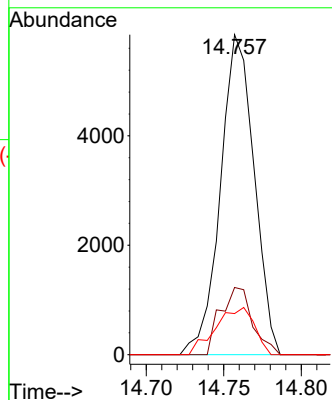
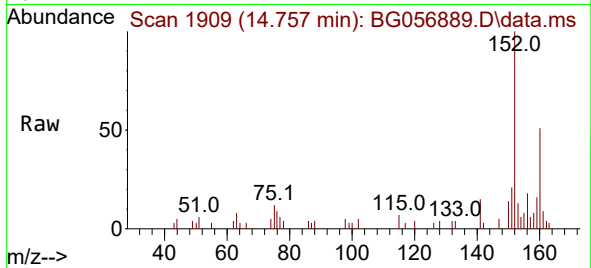




#50
Acenaphthylene
Concen: 2.014 ng/ul
RT: 14.757 min Scan# 1909
Delta R.T. -0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

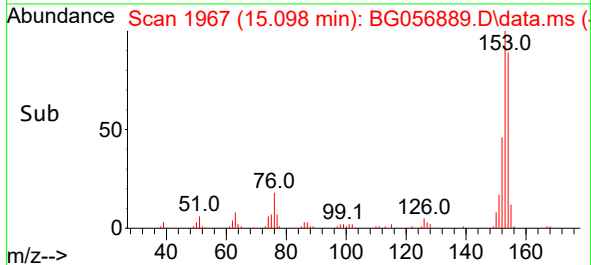
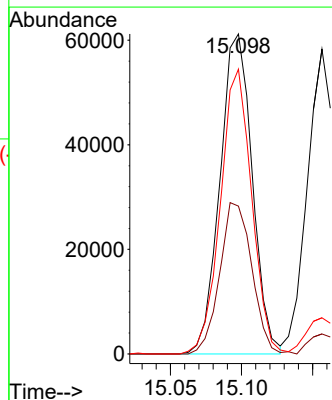
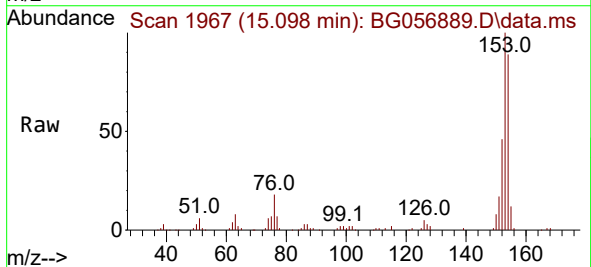
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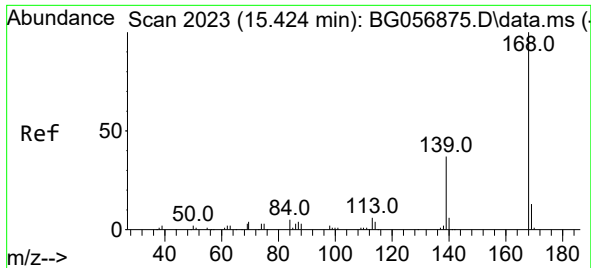
Tgt Ion:152 Resp: 8844
Ion Ratio Lower Upper
152 100
151 21.0 15.2 22.8
153 12.9 10.6 16.0



#52
Acenaphthene
Concen: 31.537 ng/ul
RT: 15.098 min Scan# 1967
Delta R.T. 0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

Tgt Ion:153 Resp: 96881
Ion Ratio Lower Upper
153 100
152 46.2 40.5 60.7
154 89.0 67.8 101.8

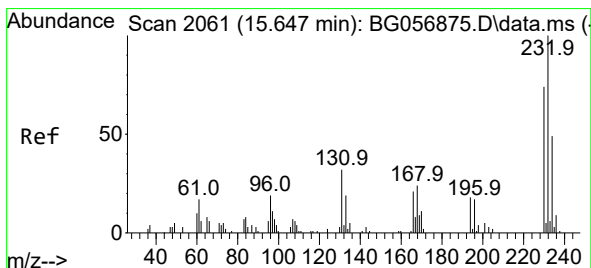
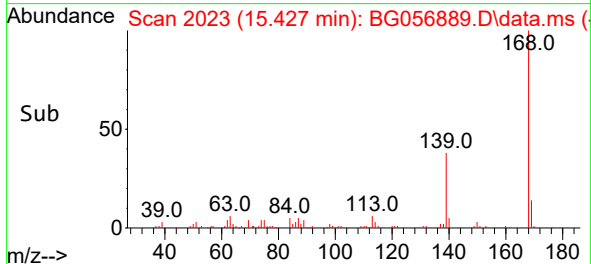
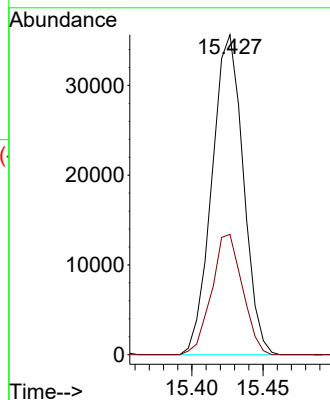
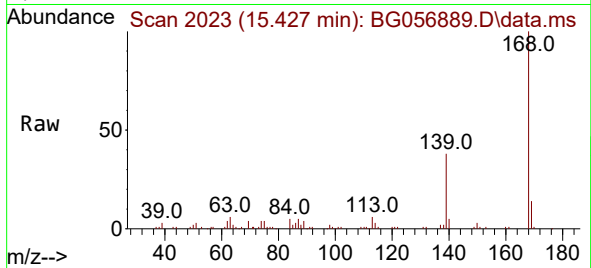




#56
Dibenzofuran
Concen: 11.661 ng/ul
RT: 15.427 min Scan# 2023
Delta R.T. 0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

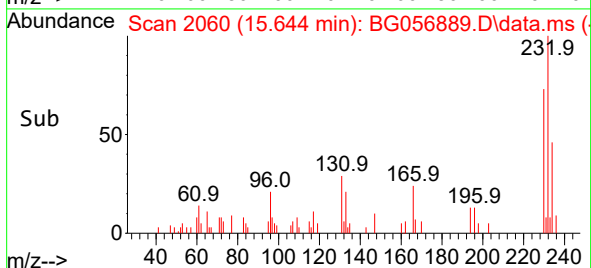
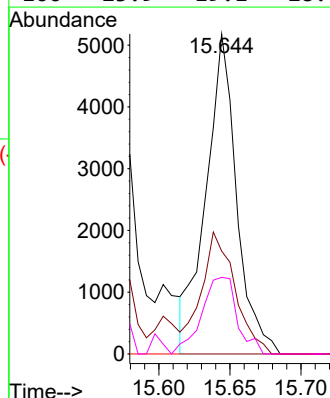
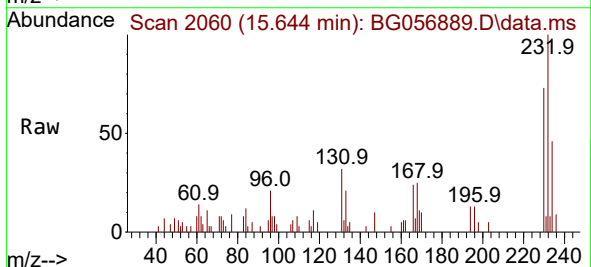
Instrument :
BNA_G
ClientSampleId :
DCAD8

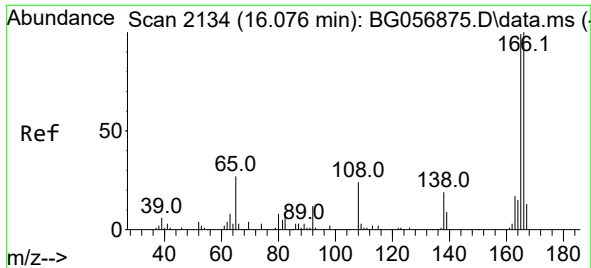
Tgt Ion:168 Resp: 54761
Ion Ratio Lower Upper
168 100
139 37.6 29.5 44.3



#58
2,3,4,6-Tetrachlorophenol
Concen: 6.510 ng/ul
RT: 15.644 min Scan# 2060
Delta R.T. -0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

Tgt Ion:232 Resp: 7777
Ion Ratio Lower Upper
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131 32.2 27.2 40.8
130 0.0 2.4 3.6#
166 23.9 19.1 28.7

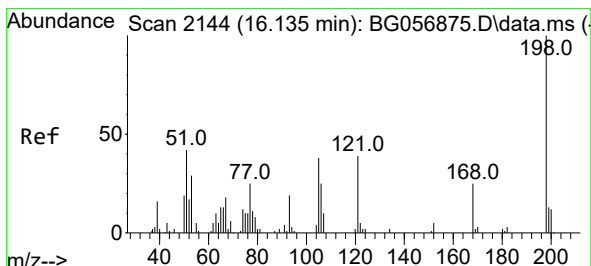
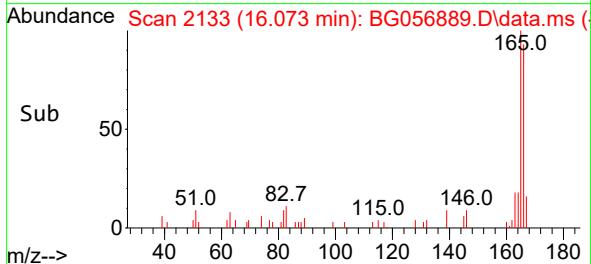
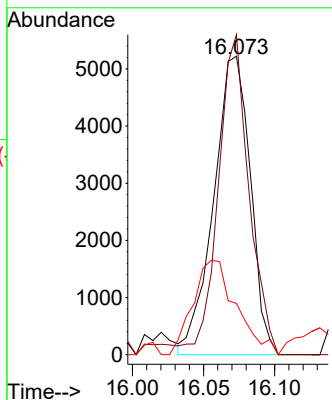
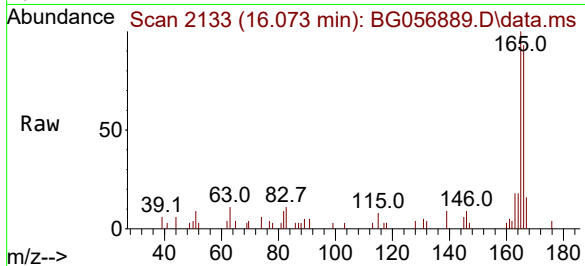




#61
Fluorene
Concen: 2.510 ng/ul
RT: 16.073 min Scan# 2133
Delta R.T. -0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

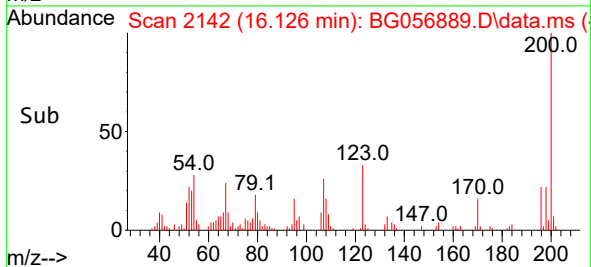
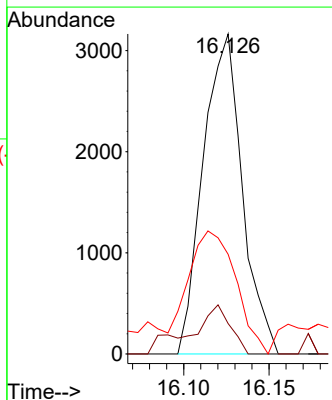
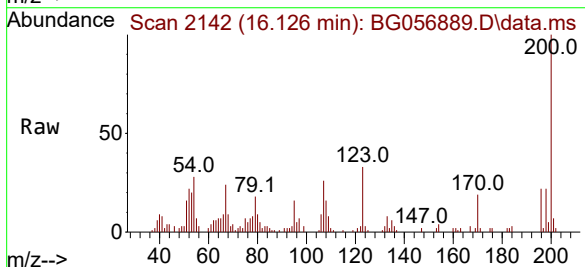
Instrument :
BNA_G
ClientSampleId :
DCAD8

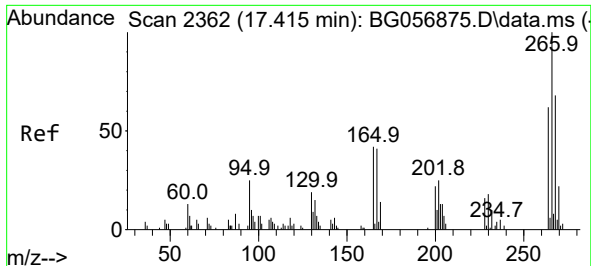
Tgt Ion:166 Resp: 9388
Ion Ratio Lower Upper
166 100
165 107.2 80.5 120.7
167 17.1 11.3 16.9#



#66
4,6-Dinitro-2-methylphenol
Concen: 5.805 ng/ul
RT: 16.126 min Scan# 2142
Delta R.T. -0.009 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

Tgt Ion:198 Resp: 5036
Ion Ratio Lower Upper
198 100
182 9.5 3.1 4.7#
77 31.2 20.5 30.7#

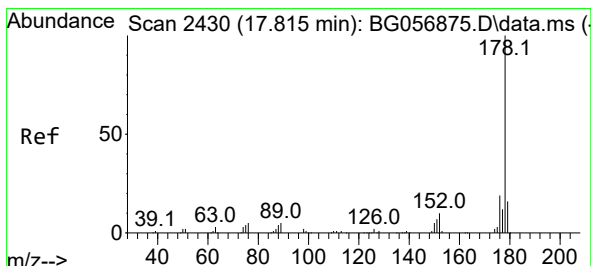
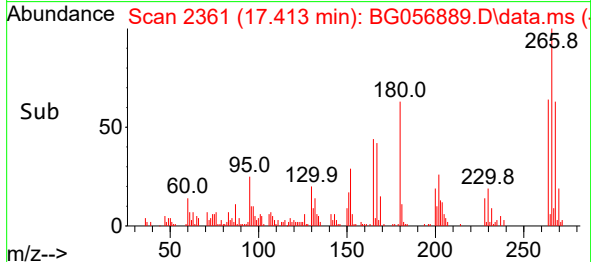
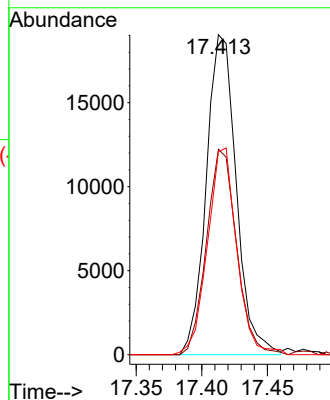
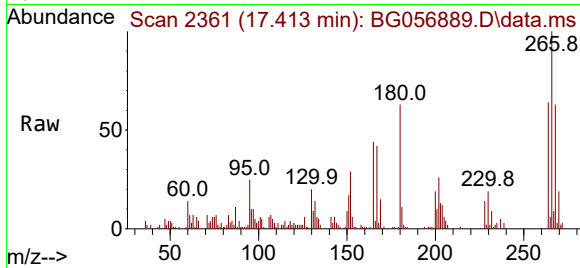




#71
Pentachlorophenol
Concen: 30.496 ng/ul
RT: 17.413 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

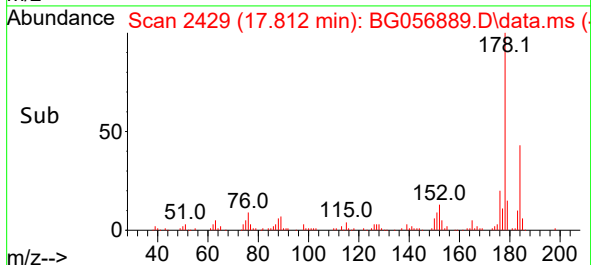
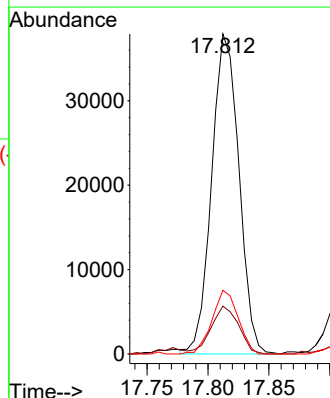
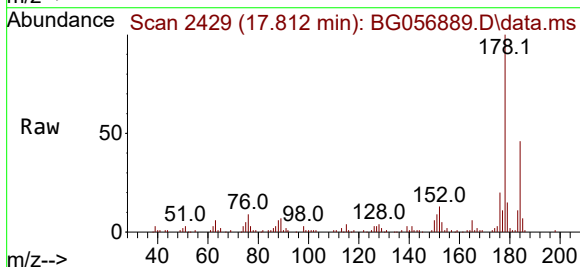
Instrument :
BNA_G
ClientSampleId :
DCAD8

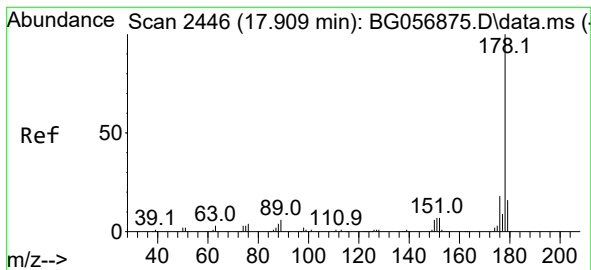
Tgt Ion:266 Resp: 30334
Ion Ratio Lower Upper
266 100
264 64.2 50.6 76.0
268 63.4 48.6 73.0



#72
Phenanthrene
Concen: 8.759 ng/ul
RT: 17.812 min Scan# 2429
Delta R.T. -0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

Tgt Ion:178 Resp: 59116
Ion Ratio Lower Upper
178 100
179 15.0 11.9 17.9
176 19.9 14.6 22.0





#74

Anthracene

Concen: 1.185 ng/ul

RT: 17.906 min Scan# 2446

Delta R.T. -0.003 min

Lab File: BG056889.D

Acq: 8 Mar 2023 20:35

Instrument :

BNA_G

ClientSampleId :

DCAD8

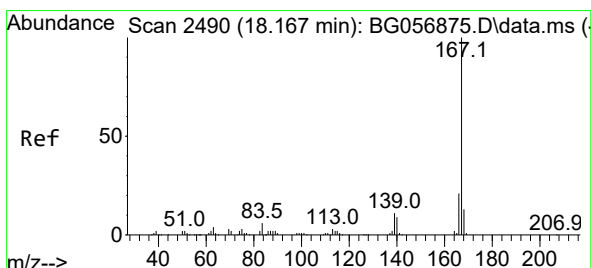
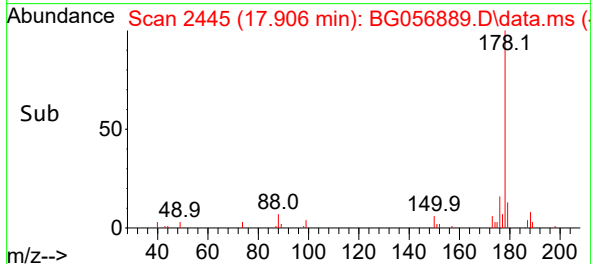
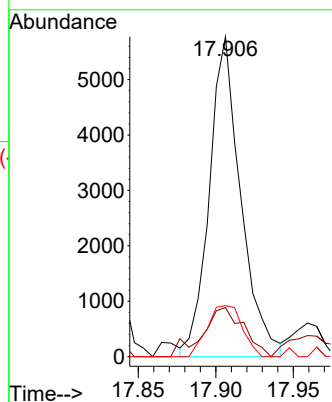
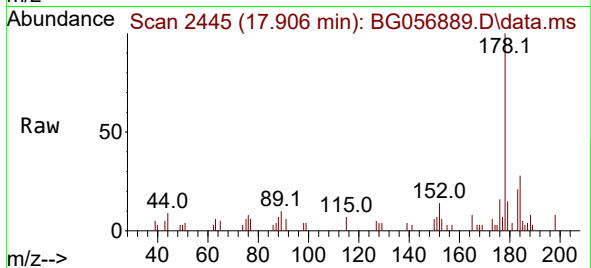
Tgt Ion:178 Resp: 8149

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 15.9 14.2 21.2



#77

Carbazole

Concen: 25.284 ng/ul

RT: 18.165 min Scan# 2489

Delta R.T. -0.003 min

Lab File: BG056889.D

Acq: 8 Mar 2023 20:35

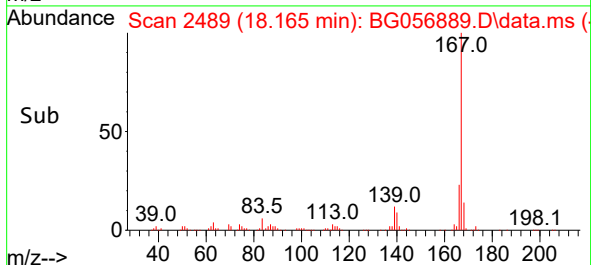
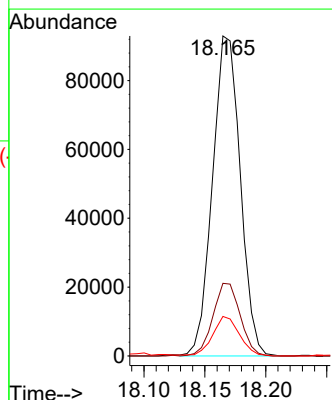
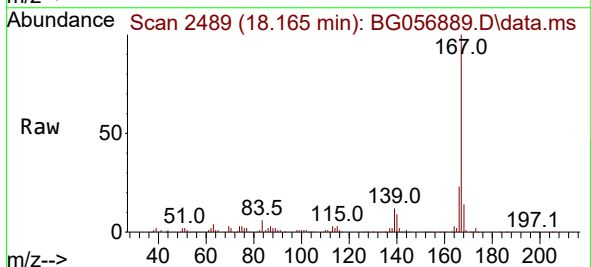
Tgt Ion:167 Resp: 147532

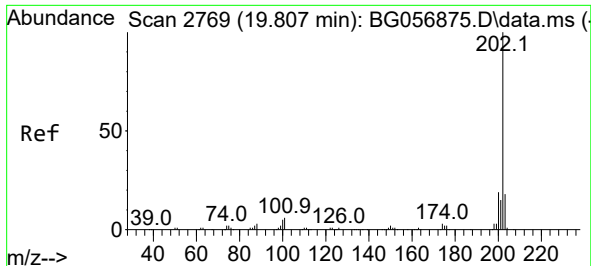
Ion Ratio Lower Upper

167 100

166 22.7 18.1 27.1

139 12.3 10.2 15.2

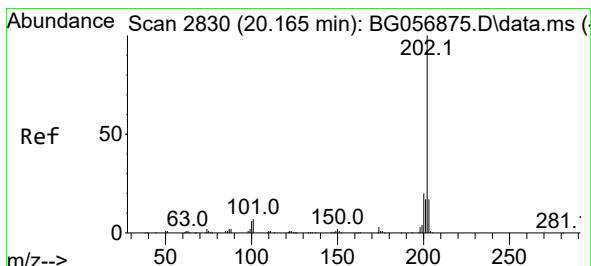
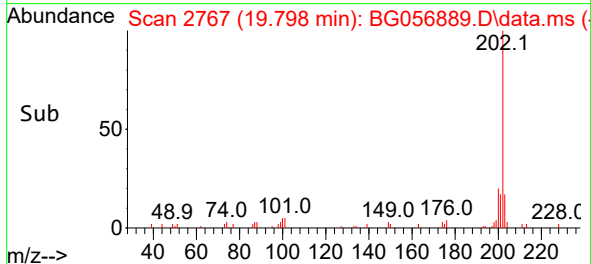
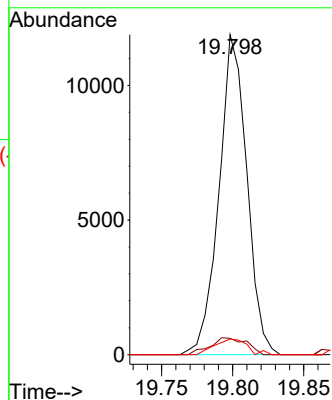
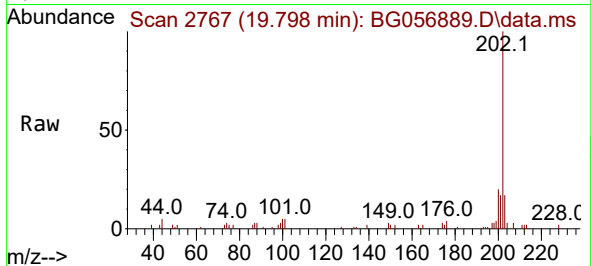




#80
Fluoranthene
Concen: 1.726 ng/ul
RT: 19.798 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

Instrument :
BNA_G
ClientSampleId :
DCAD8

Tgt Ion:202 Resp: 16164
Ion Ratio Lower Upper
202 100
101 5.1 5.0 7.6
100 4.9 3.6 5.4



#82
Pyrene
Concen: 1.068 ng/ul
RT: 20.162 min Scan# 2829
Delta R.T. -0.003 min
Lab File: BG056889.D
Acq: 8 Mar 2023 20:35

Tgt Ion:202 Resp: 10015
Ion Ratio Lower Upper
202 100
101 6.0 5.2 7.8
100 14.4 4.5 6.7#

