

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051523\
 Data File : BG057435.D
 Acq On : 15 May 2023 16:41
 Operator : CG/JU
 Sample : 02500-12DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: May 15 18:58:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.354	152	17145	20.000	ng	0.00
21) Naphthalene-d8	11.197	136	70318	20.000	ng	# 0.00
39) Acenaphthene-d10	14.974	164	54690	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	140124	20.000	ng	0.00
76) Chrysene-d12	22.030	240	130356	20.000	ng	0.00
86) Perylene-d12	25.531	264	139286	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	52951	52.831	ng	0.00
7) Phenol-d6	7.496	99	84020	55.204	ng	0.00
23) Nitrobenzene-d5	9.535	82	55162	32.925	ng	0.00
42) 2,4,6-Tribromophenol	16.461	330	48533	62.543	ng	0.00
45) 2-Fluorobiphenyl	13.600	172	151594	37.332	ng	0.00
79) Terphenyl-d14	20.285	244	321609	40.262	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.502	77	57	Below Cal	#	4
10) Phenol	7.526	94	26408	17.799	ng	98
12) 1,3-Dichlorobenzene	8.248	146	37335	31.941	ng	98
13) 1,4-Dichlorobenzene	8.248	146	37335	31.798	ng	94
14) 1,2-Dichlorobenzene	8.718	146	46767	41.260	ng	98
18) Hexachloroethane	9.458	117	8749	20.648	ng	97
19) n-Nitroso-di-n-propyla...	9.541	70	7243	6.241	ng	# 79
24) Nitrobenzene	9.582	77	56631	33.489	ng	97
25) Isophorone	10.099	82	62940	19.373	ng	99
26) 2-Nitrophenol	10.298	139	22461	34.701	ng	95
28) bis(2-Chloroethoxy)met...	10.575	93	37337	22.941	ng	97
31) Naphthalene	11.250	128	77638	20.652	ng	99
32) Benzoic acid	10.304	122	1318	6.535	ng	# 8
33) 4-Chloroaniline	11.250	127	10558	6.254	ng	# 38
34) Hexachlorobutadiene	11.520	225	23418	22.762	ng	97
36) 4-Chloro-3-methylphenol	12.443	107	25624	18.757	ng	91
37) 2-Methylnaphthalene	12.824	142	73534	24.879	ng	97
38) 1-Methylnaphthalene	12.824	142	73534	26.395	ng	99
43) 2,4,6-Trichlorophenol	13.424	196	25171	21.280	ng	96
44) 2,4,5-Trichlorophenol	13.424	196	25171	18.091	ng	# 93
49) Acenaphthylene	14.704	152	117216	23.908	ng	100
50) Dimethylphthalate	14.411	163	176650	39.306	ng	98
51) 2,6-Dinitrotoluene	14.546	165	32533	35.455	ng	88
52) Acenaphthene	15.039	154	51388	16.774	ng	99
53) 3-Nitroaniline	15.368	138	3319	3.610	ng	# 1
55) Dibenzofuran	15.368	168	201500	39.146	ng	98
56) 4-Nitrophenol	15.186	139	21070	34.462	ng	# 83
57) 2,4-Dinitrotoluene	15.327	165	34703	26.463	ng	95
58) Fluorene	16.020	166	114088	26.908	ng	100
60) Diethylphthalate	15.756	149	216247	47.381	ng	98
61) 4-Chlorophenyl-phenyle...	15.997	204	45059	17.641	ng	96
63) Azobenzene	16.314	77	21379	4.855	ng	# 1
67) 4-Bromophenyl-phenylether	16.461	248	3446	2.015	ng	# 1
71) Phenanthrene	17.759	178	126210	17.578	ng	99
72) Anthracene	17.853	178	187764	25.485	ng	98
73) Carbazole	18.117	167	84592	13.638	ng	98

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

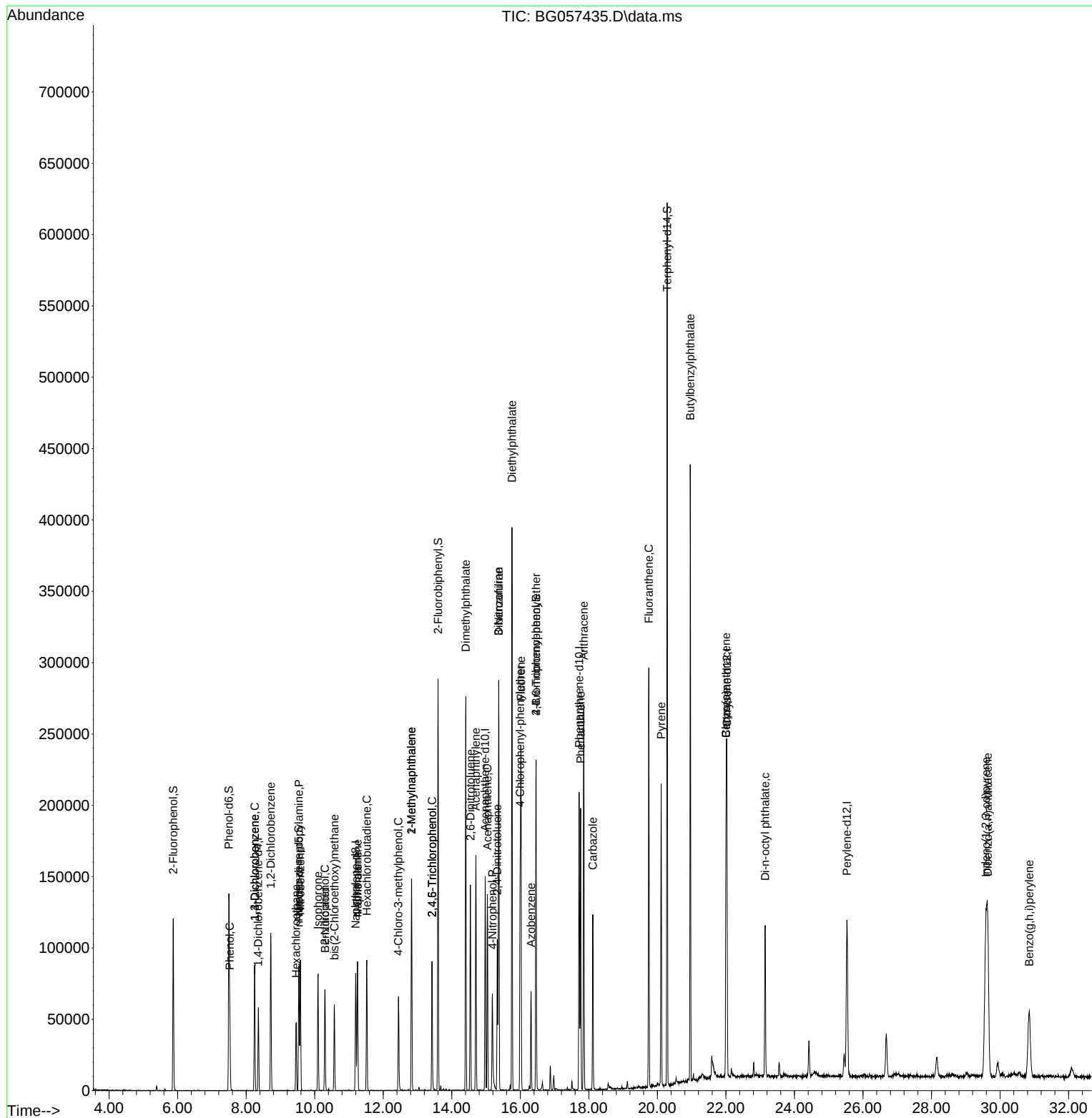
75) Fluoranthene	19.750	202	188228	21.077	ng	99
78) Pyrene	20.109	202	143135	15.111	ng	98
80) Butylbenzylphthalate	20.960	149	135935	45.228	ng	98
81) Benzo(a)anthracene	22.006	228	133863	14.413	ng	100
83) Chrysene	22.006	228	133863	15.319	ng	97
85) Di-n-octyl phthalate	23.146	149	103497	13.961	ng	100
87) Indeno(1,2,3-cd)pyrene	29.584	276	240400	23.682	ng #	95
91) Dibenzo(a,h)anthracene	29.643	278	201476	23.832	ng	99
92) Benzo(g,h,i)perylene	30.853	276	108819	13.183	ng	99

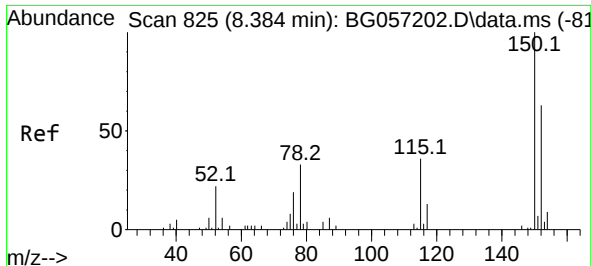
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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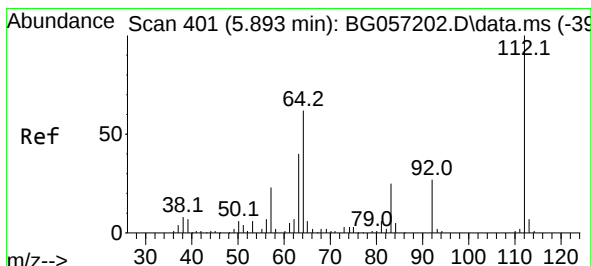
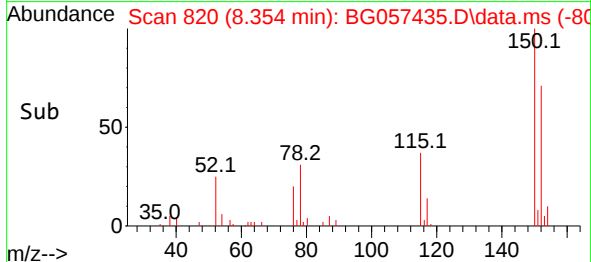
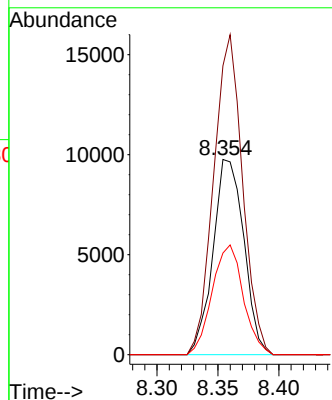
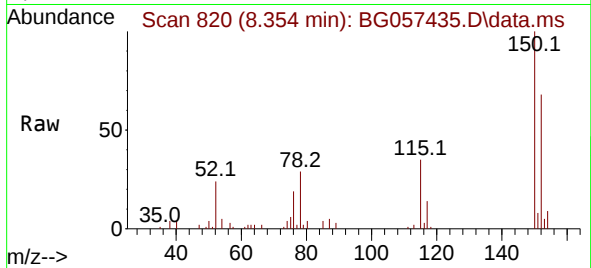




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.354 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

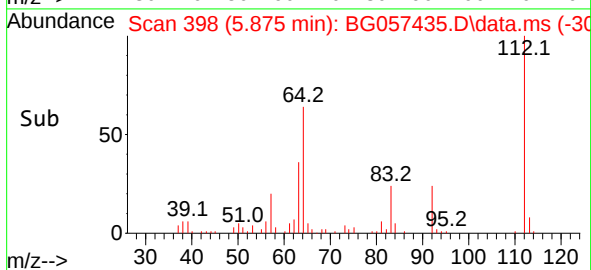
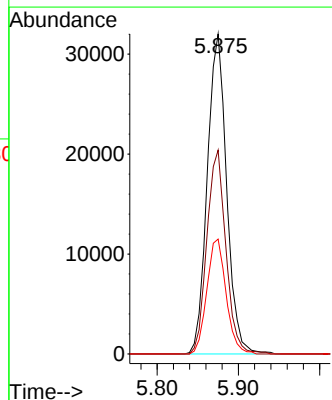
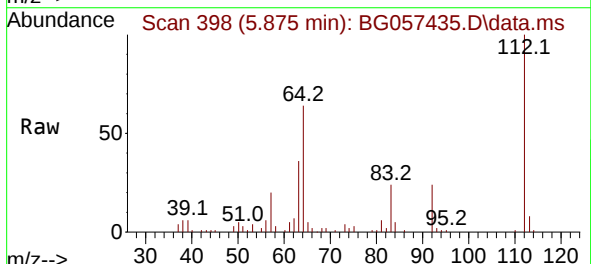
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

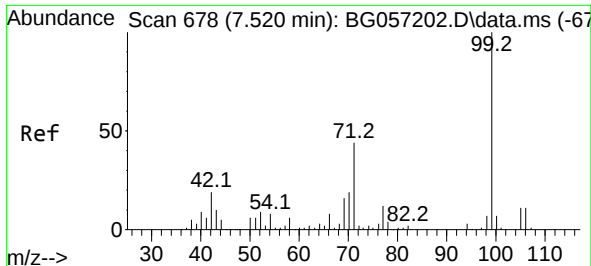
Tgt Ion:152 Resp: 17145
Ion Ratio Lower Upper
152 100
150 147.9 126.2 189.4
115 52.1 45.0 67.4



#5
2-Fluorophenol
Concen: 52.831 ng
RT: 5.875 min Scan# 398
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:112 Resp: 52951
Ion Ratio Lower Upper
112 100
64 63.7 49.4 74.2
63 35.9 31.6 47.4

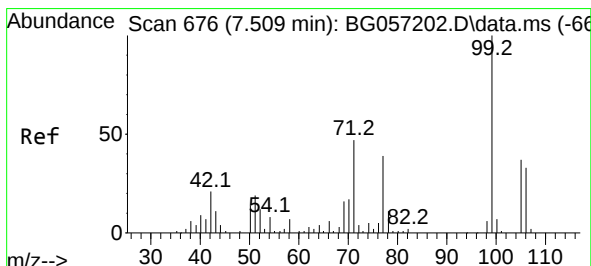
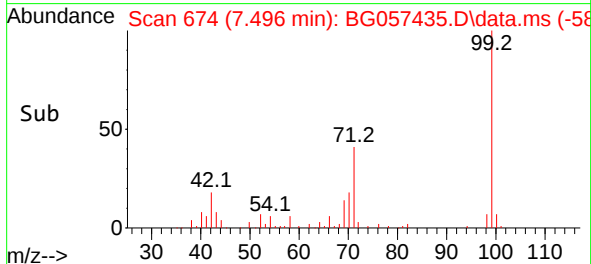
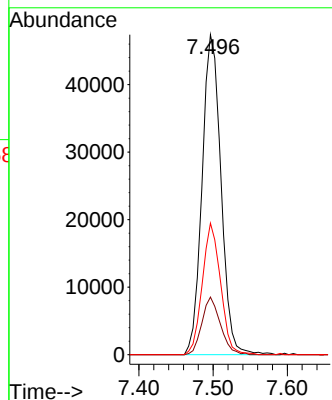
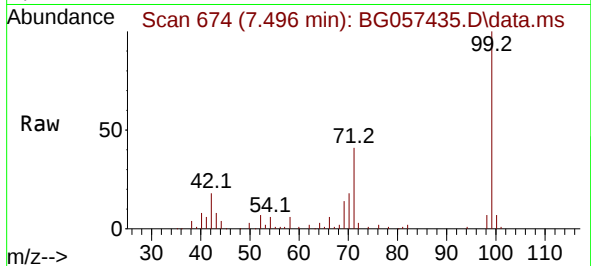




#7
Phenol-d6
Concen: 55.204 ng
RT: 7.496 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

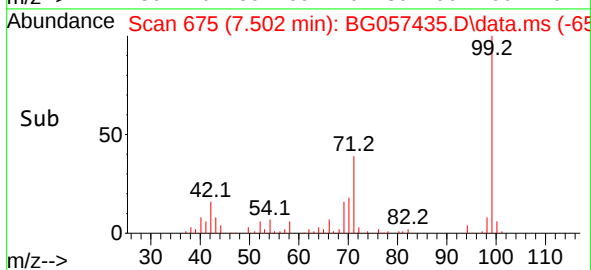
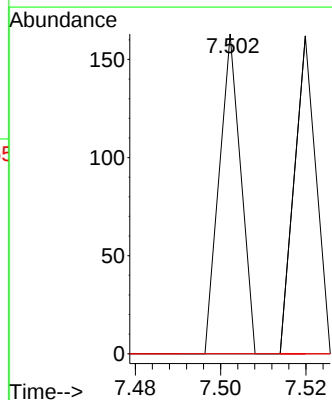
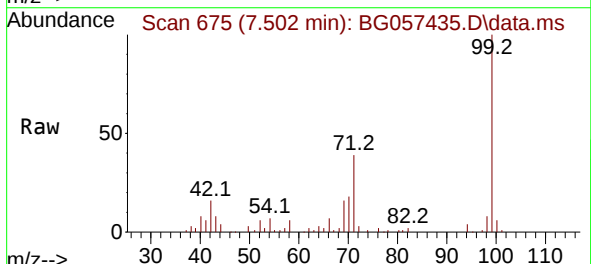
Instrument :
BNA_G
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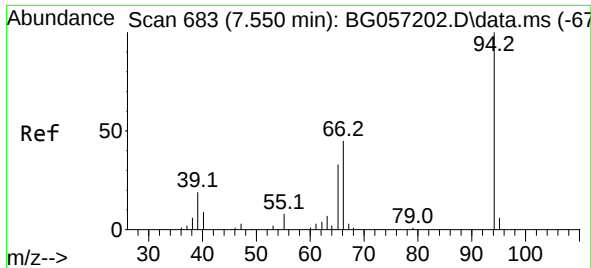
Tgt Ion: 99 Resp: 84020
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 41.1 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.502 min Scan# 675
Delta R.T. 0.014 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion: 77 Resp: 57
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#





#10

Phenol

Concen: 17.799 ng

RT: 7.526 min Scan# 61

Delta R.T. -0.009 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

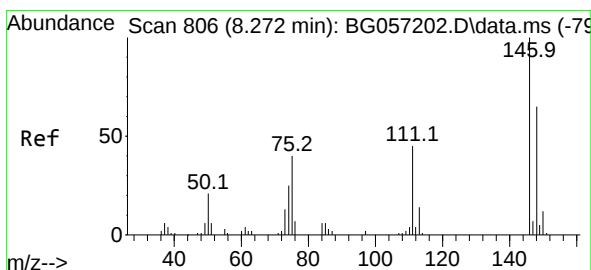
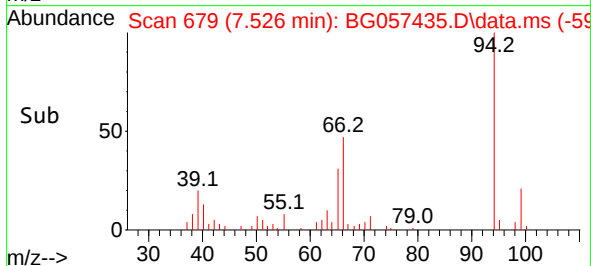
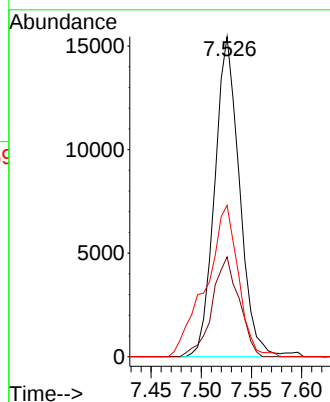
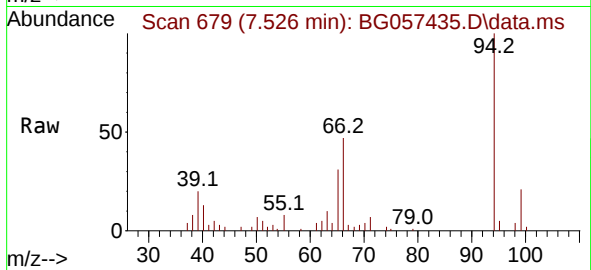
Tgt Ion: 94 Resp: 26408

Ion Ratio Lower Upper

94 100

65 31.2 13.5 53.5

66 47.2 26.7 66.7



#12

1,3-Dichlorobenzene

Concen: 31.941 ng

RT: 8.248 min Scan# 802

Delta R.T. -0.004 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

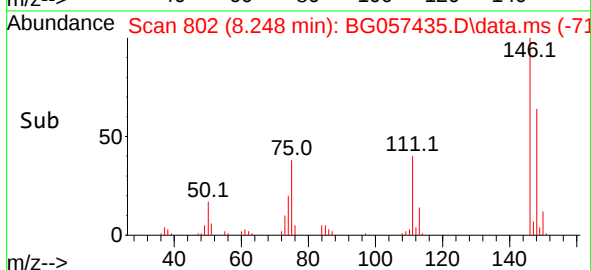
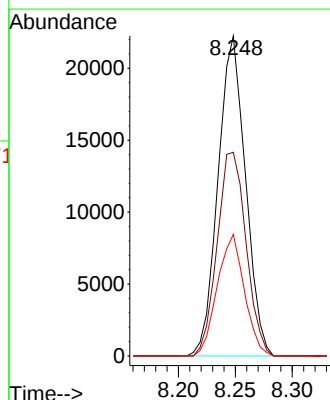
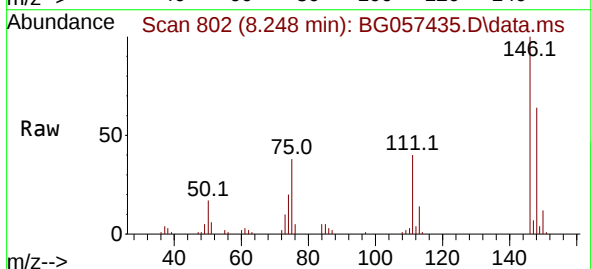
Tgt Ion:146 Resp: 37335

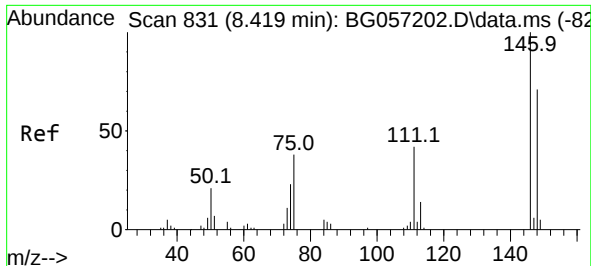
Ion Ratio Lower Upper

146 100

148 63.7 52.2 78.2

75 38.0 31.7 47.5





#13

1,4-Dichlorobenzene

Concen: 31.798 ng

RT: 8.248 min Scan# 80

Delta R.T. -0.150 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

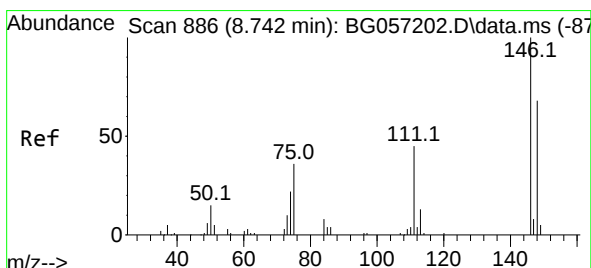
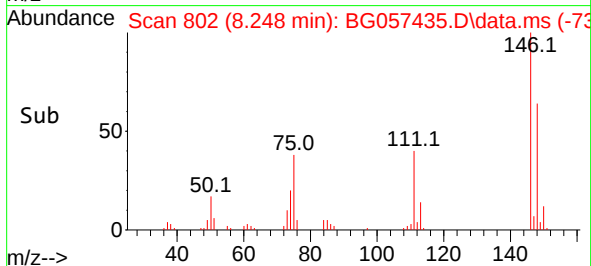
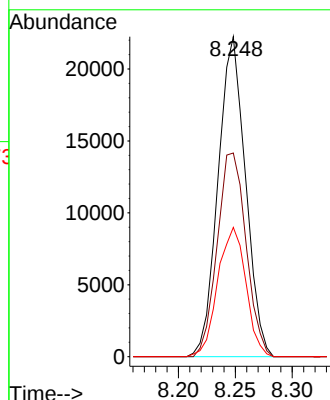
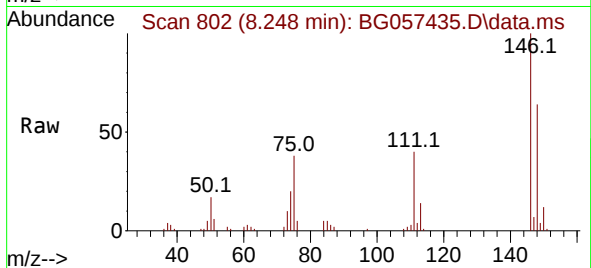
Tgt Ion:146 Resp: 37335

Ion Ratio Lower Upper

146 100

148 63.7 56.4 84.6

111 40.4 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 41.260 ng

RT: 8.718 min Scan# 882

Delta R.T. -0.009 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

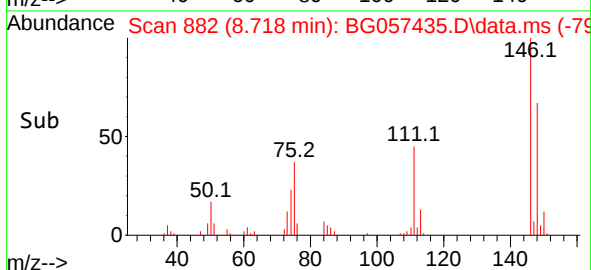
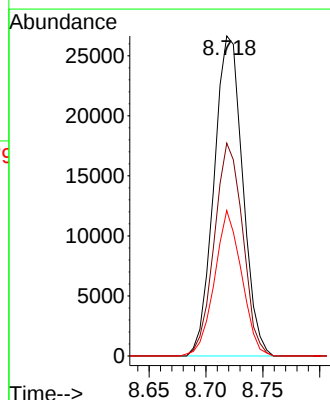
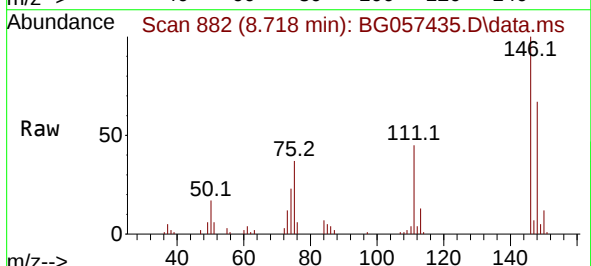
Tgt Ion:146 Resp: 46767

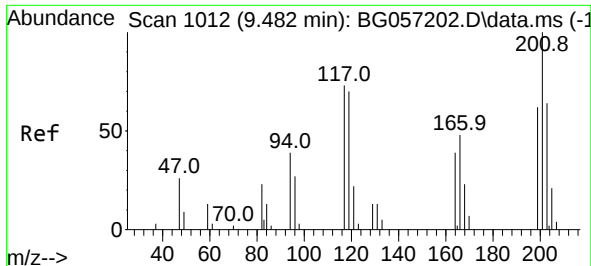
Ion Ratio Lower Upper

146 100

148 66.5 54.6 82.0

111 45.5 37.2 55.8

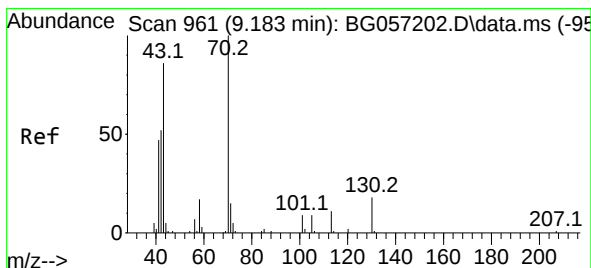
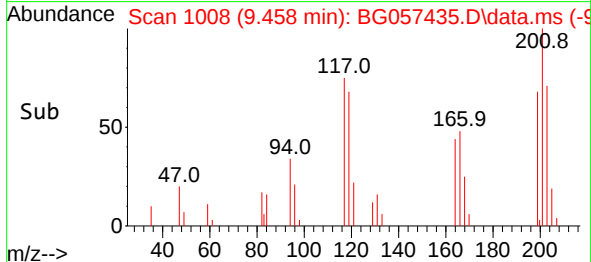
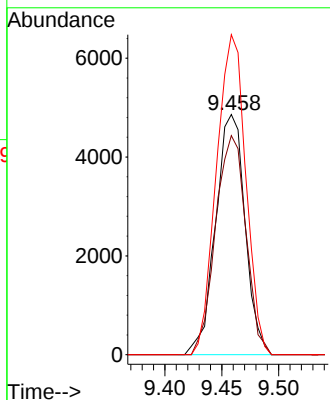
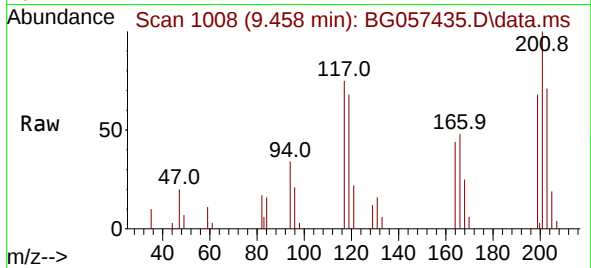




#18
Hexachloroethane
Concen: 20.648 ng
RT: 9.458 min Scan# 1012
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

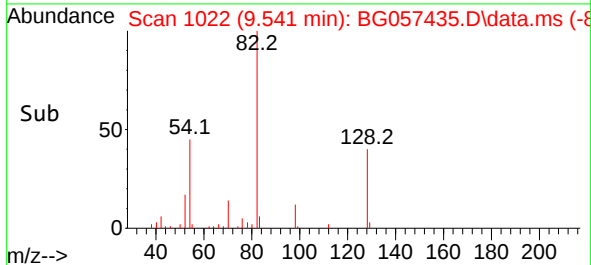
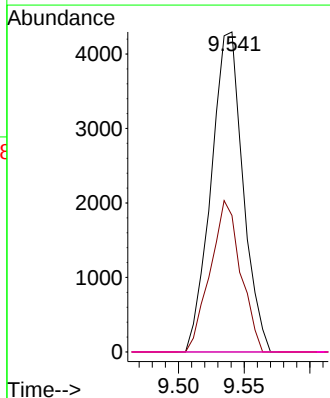
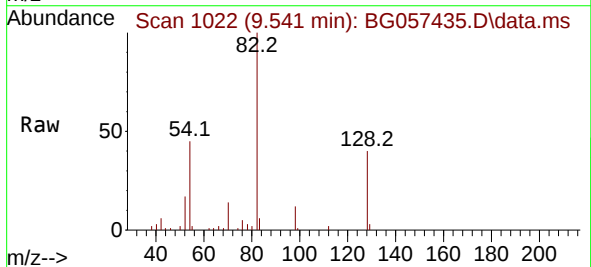
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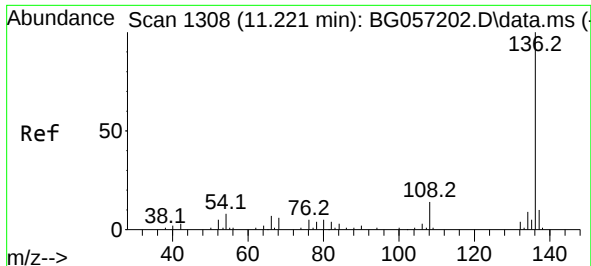
Tgt Ion:117 Resp: 8749
Ion Ratio Lower Upper
117 100
119 91.2 76.7 115.1
201 133.2 109.0 163.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.241 ng
RT: 9.541 min Scan# 1022
Delta R.T. 0.372 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion: 70 Resp: 7243
Ion Ratio Lower Upper
70 100
42 42.7 41.8 62.8
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#

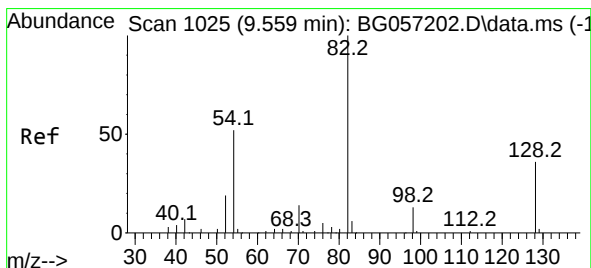
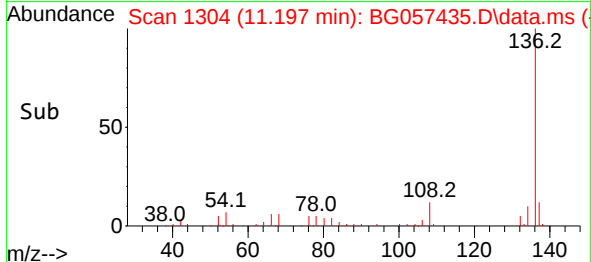
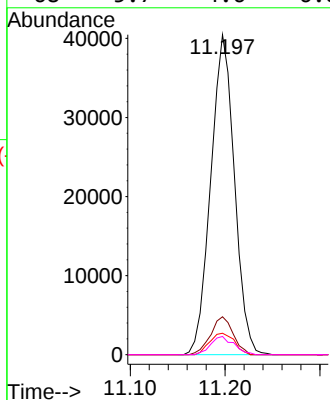
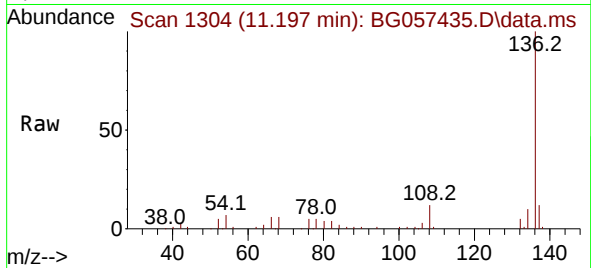




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.197 min Scan# 1119
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

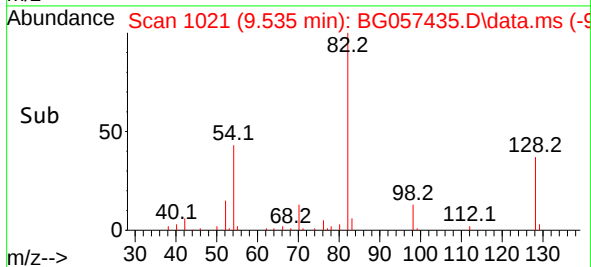
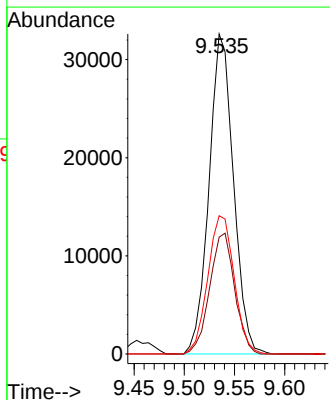
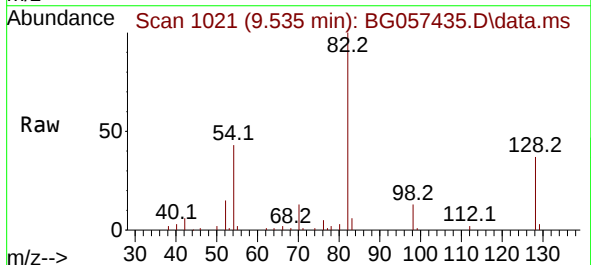
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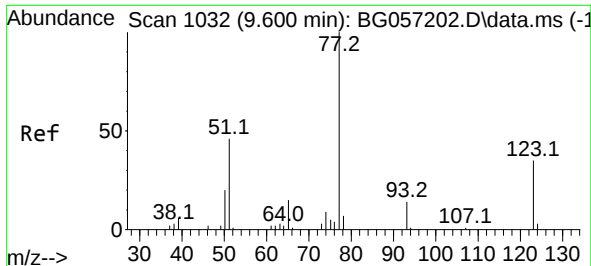
Tgt Ion:	136	Resp:	70318
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.3	12.5
54	6.7	6.7	10.1#
68	5.7	4.6	6.8



#23
Nitrobenzene-d5
Concen: 32.925 ng
RT: 9.535 min Scan# 1021
Delta R.T. -0.009 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:	82	Resp:	55162
Ion Ratio	Lower	Upper	
82	100		
128	36.5	29.0	43.4
54	43.2	41.4	62.0





#24

Nitrobenzene

Concen: 33.489 ng

RT: 9.582 min Scan# 1107

Delta R.T. -0.004 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

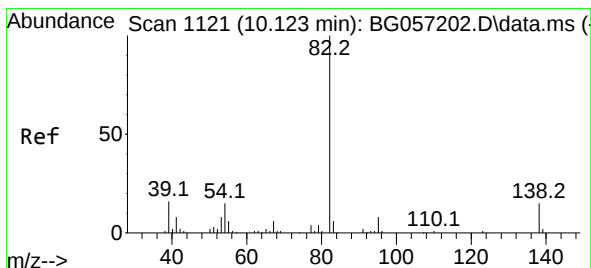
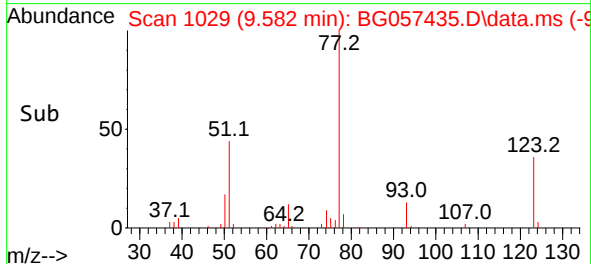
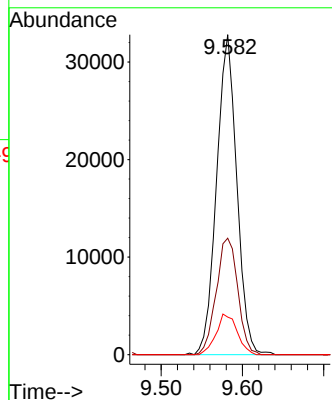
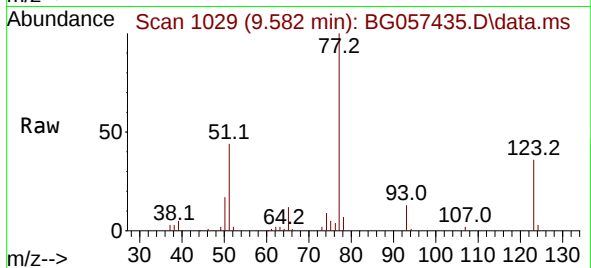
Tgt Ion: 77 Resp: 56631

Ion Ratio Lower Upper

77 100

123 36.4 28.2 42.2

65 11.8 11.7 17.5



#25

Isophorone

Concen: 19.373 ng

RT: 10.099 min Scan# 1117

Delta R.T. -0.004 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

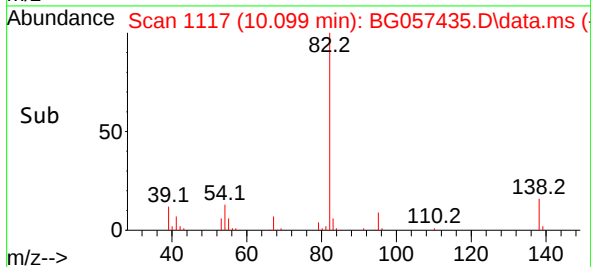
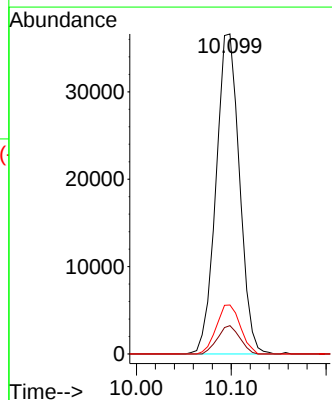
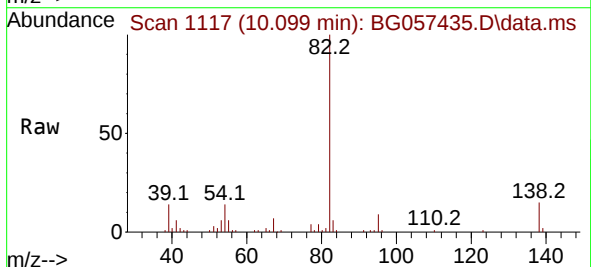
Tgt Ion: 82 Resp: 62940

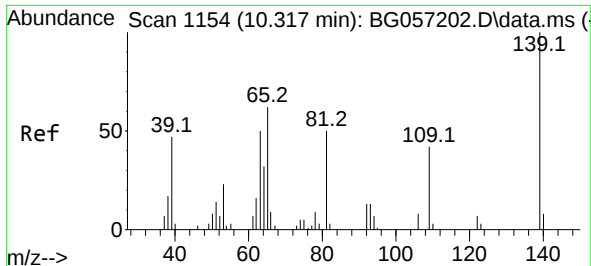
Ion Ratio Lower Upper

82 100

95 8.9 6.4 9.6

138 15.3 12.3 18.5

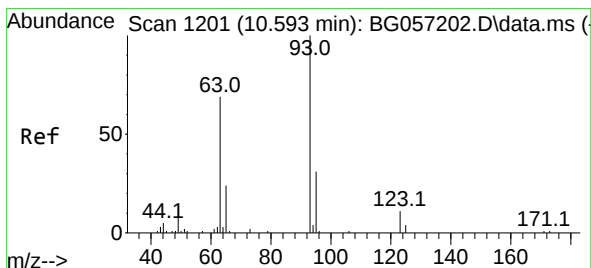
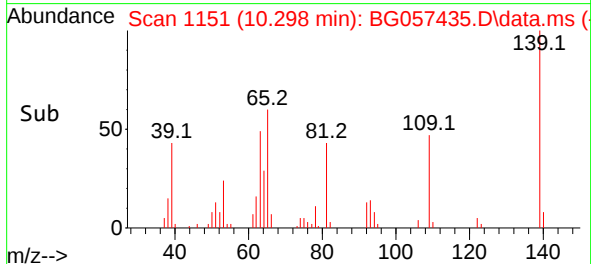
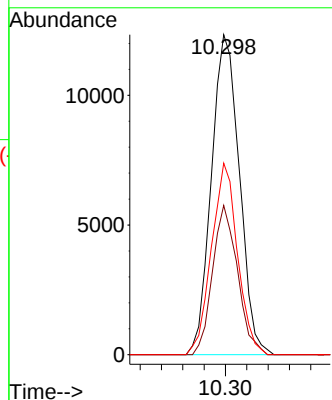
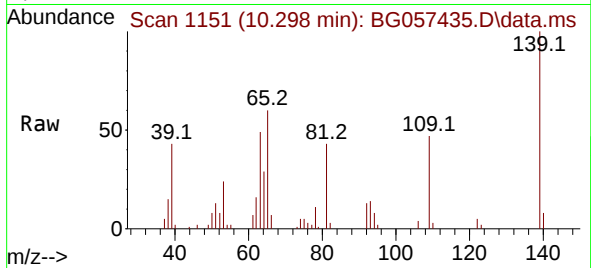




#26
2-Nitrophenol
Concen: 34.701 ng
RT: 10.298 min Scan# 1151
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

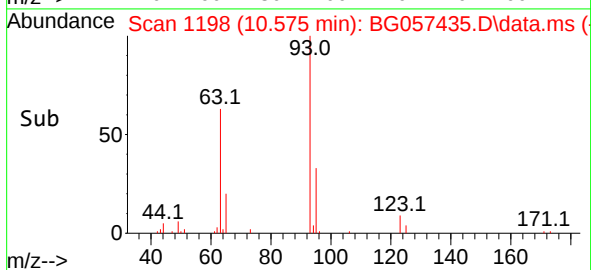
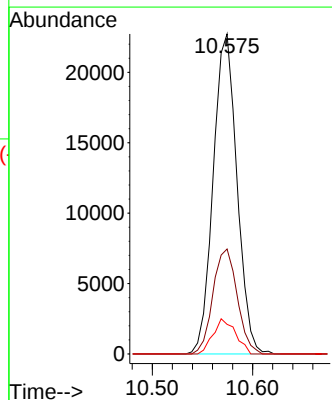
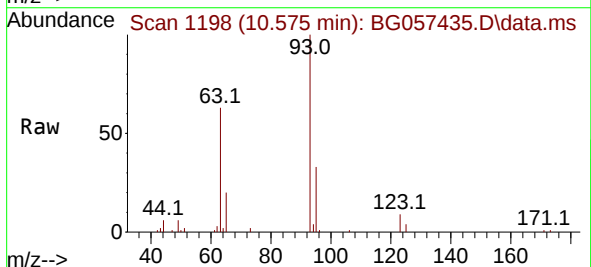
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

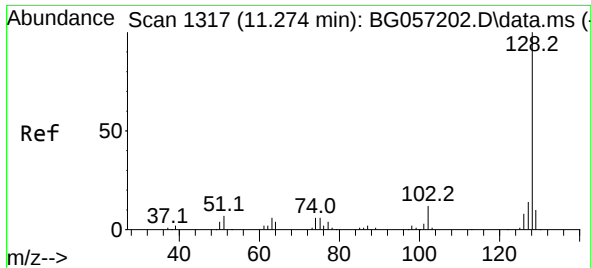
Tgt Ion:139 Resp: 22461
Ion Ratio Lower Upper
139 100
109 46.7 33.4 50.2
65 59.8 49.8 74.6



#28
bis(2-Chloroethoxy)methane
Concen: 22.941 ng
RT: 10.575 min Scan# 1198
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion: 93 Resp: 37337
Ion Ratio Lower Upper
93 100
95 32.8 25.0 37.6
123 9.3 8.5 12.7

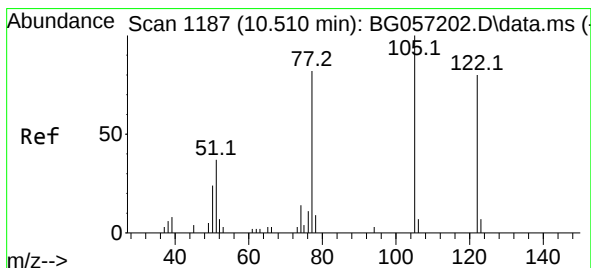
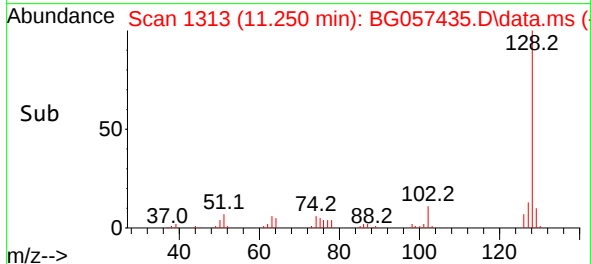
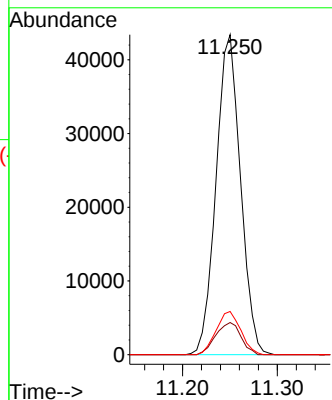
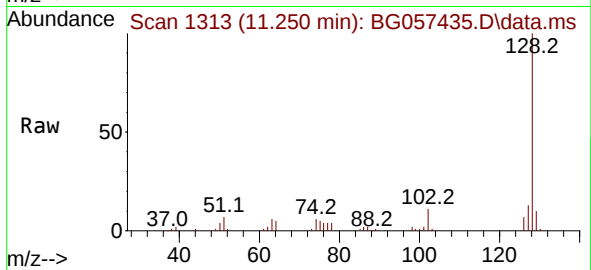




#31
Naphthalene
Concen: 20.652 ng
RT: 11.250 min Scan# 1152
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

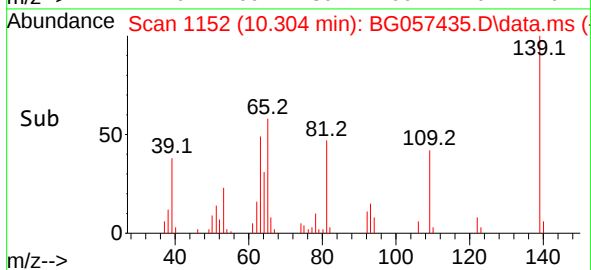
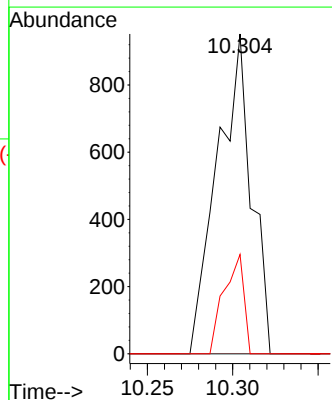
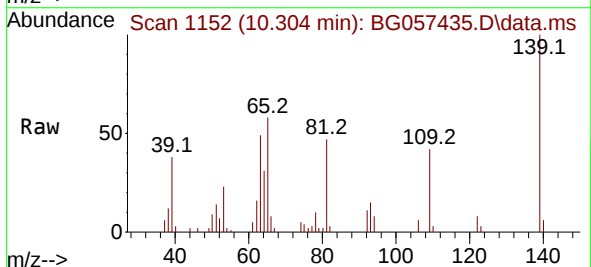
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

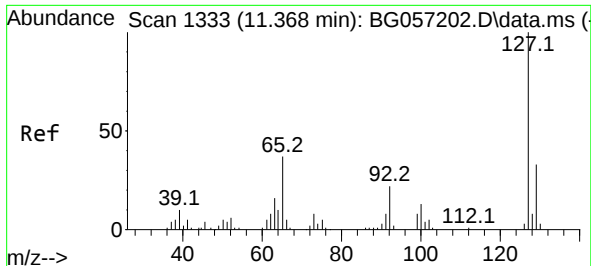
Tgt Ion:128 Resp: 77638
Ion Ratio Lower Upper
128 100
129 10.1 8.3 12.5
127 13.5 11.1 16.7



#32
Benzoic acid
Concen: 6.535 ng
RT: 10.304 min Scan# 1152
Delta R.T. -0.186 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:122 Resp: 1318
Ion Ratio Lower Upper
122 100
105 0.0 105.2 145.2#
77 31.1 83.1 123.1#

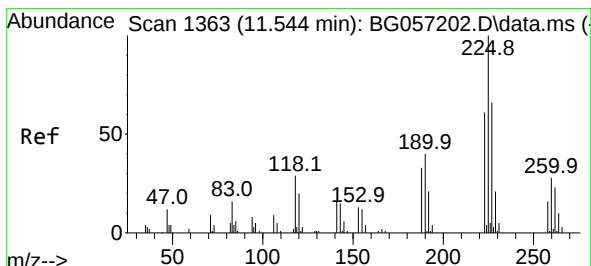
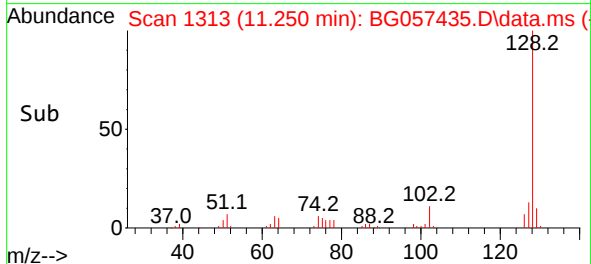
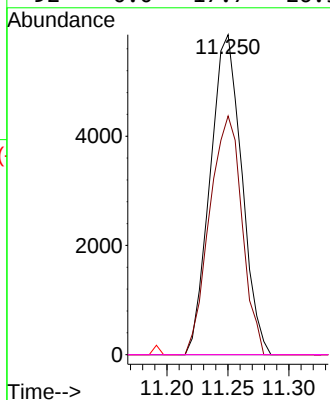
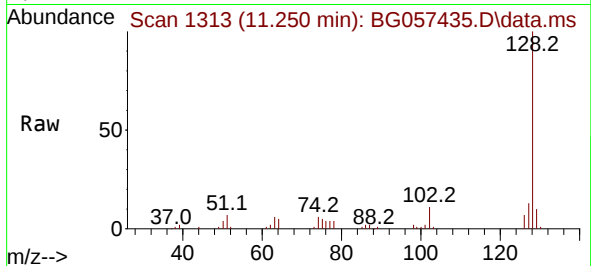




#33
4-Chloroaniline
Concen: 6.254 ng
RT: 11.250 min Scan# 11
Delta R.T. -0.103 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

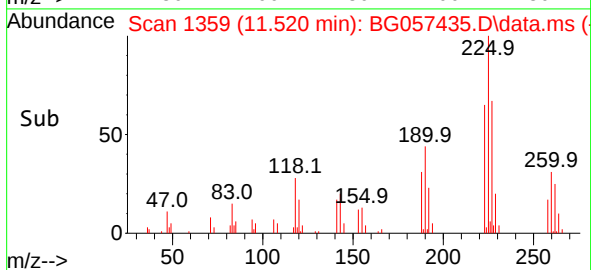
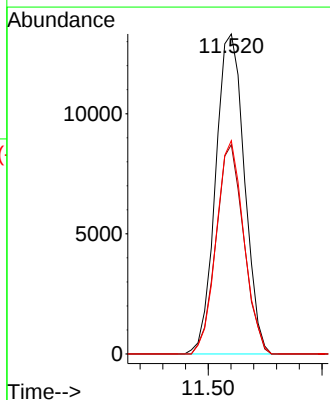
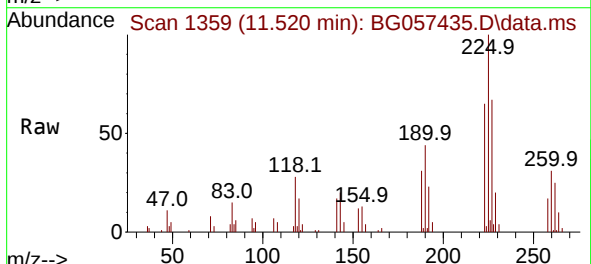
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

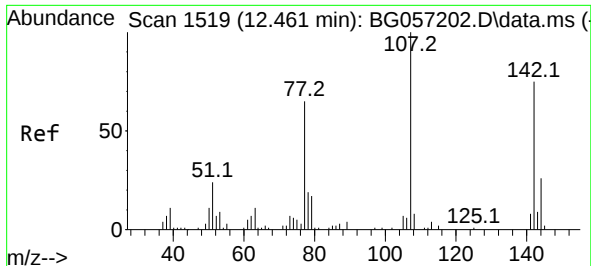
Tgt Ion:127	Resp:	10558
Ion	Ratio	Lower Upper
127	100	
129	74.6	26.7 40.1#
65	0.0	29.7 44.5#
92	0.0	17.7 26.5#



#34
Hexachlorobutadiene
Concen: 22.762 ng
RT: 11.520 min Scan# 1359
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:225	Resp:	23418
Ion	Ratio	Lower Upper
225	100	
223	65.4	48.6 72.8
227	66.7	52.7 79.1

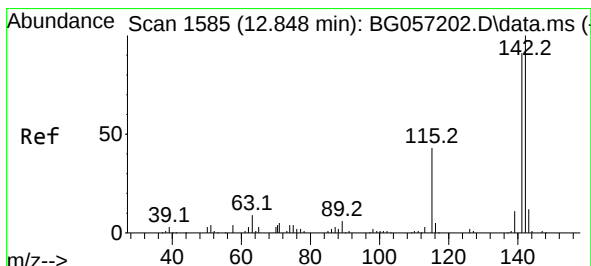
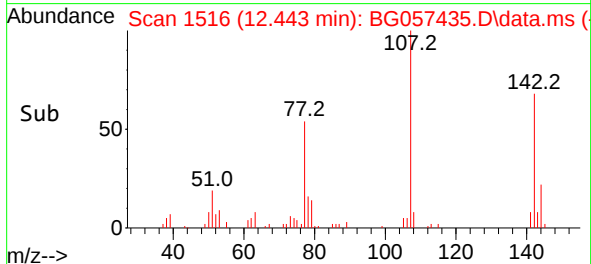
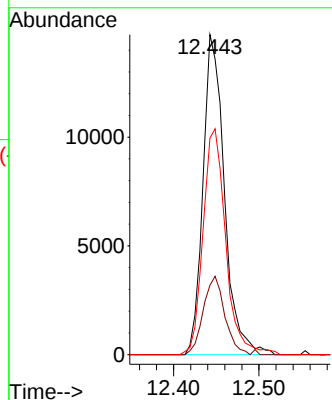
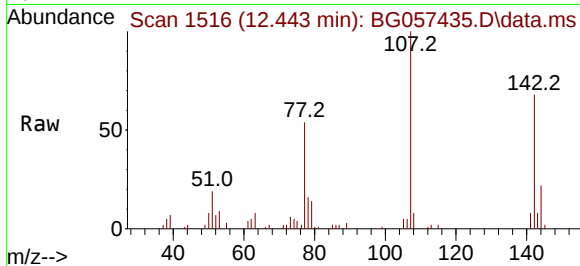




#36
4-Chloro-3-methylphenol
Concen: 18.757 ng
RT: 12.443 min Scan# 1516
Delta R.T. -0.009 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

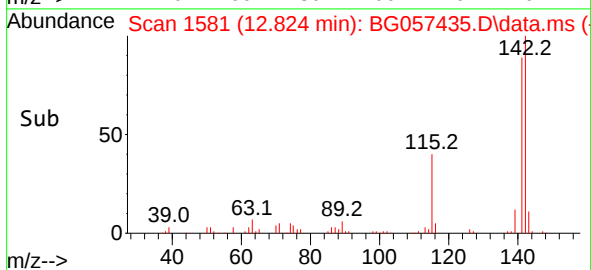
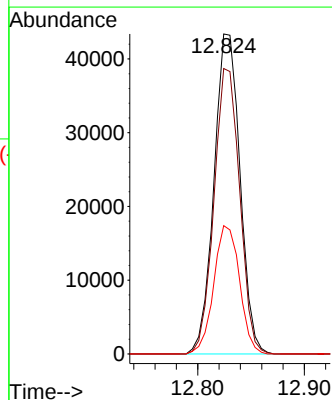
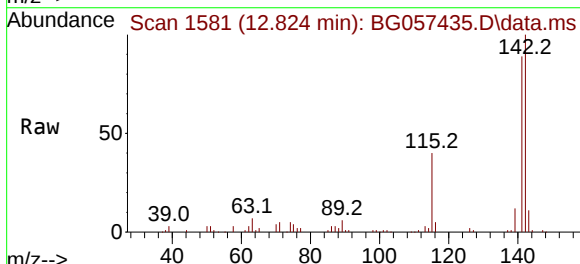
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

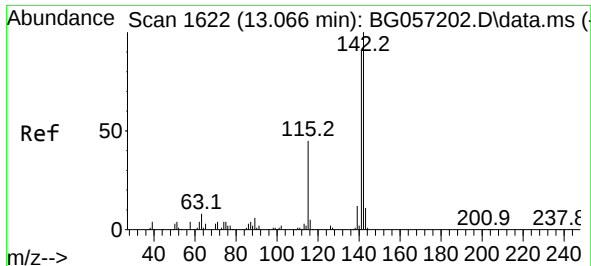
Tgt Ion:107 Resp: 25624
Ion Ratio Lower Upper
107 100
144 21.7 21.0 31.6
142 67.7 60.0 90.0



#37
2-Methylnaphthalene
Concen: 24.879 ng
RT: 12.824 min Scan# 1581
Delta R.T. -0.009 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:142 Resp: 73534
Ion Ratio Lower Upper
142 100
141 89.2 73.1 109.7
115 40.1 34.6 52.0





#38

1-Methylnaphthalene

Concen: 26.395 ng

RT: 12.824 min Scan# 1

Delta R.T. -0.227 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

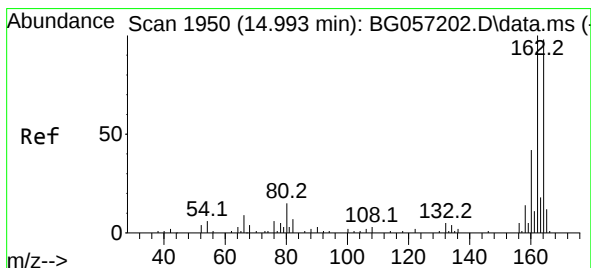
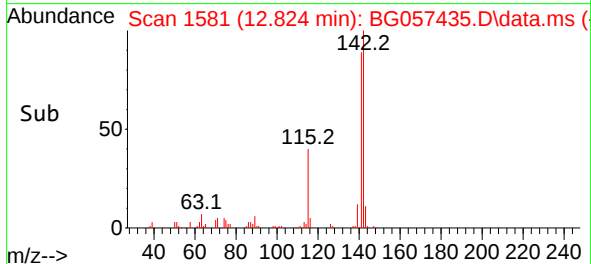
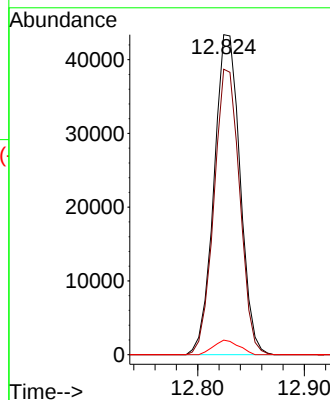
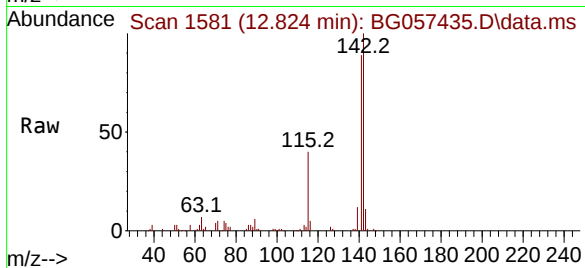
Tgt Ion:142 Resp: 73534

Ion Ratio Lower Upper

142 100

141 89.2 72.5 108.7

116 4.5 3.7 5.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.974 min Scan# 1947

Delta R.T. -0.004 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

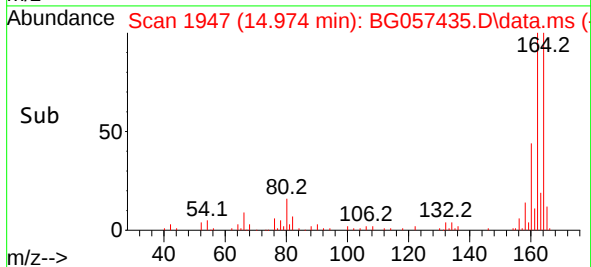
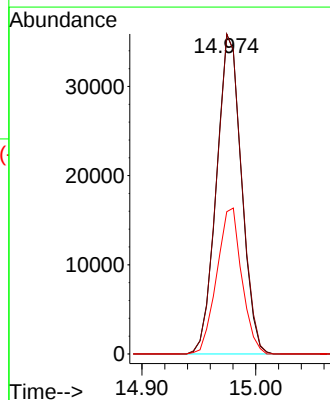
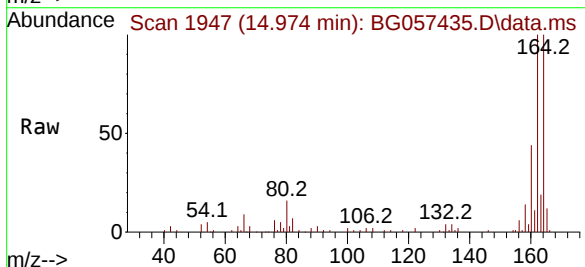
Tgt Ion:164 Resp: 54690

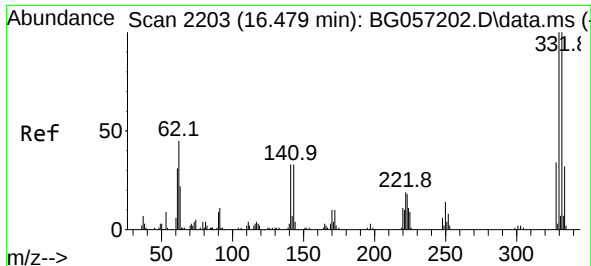
Ion Ratio Lower Upper

164 100

162 100.2 81.8 122.6

160 44.5 34.6 52.0

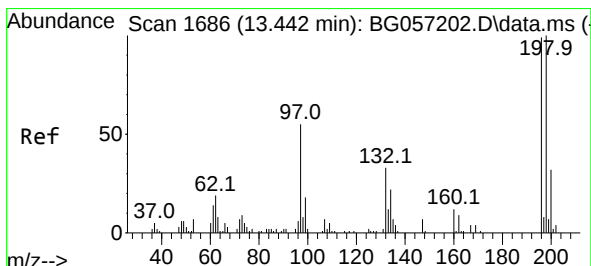
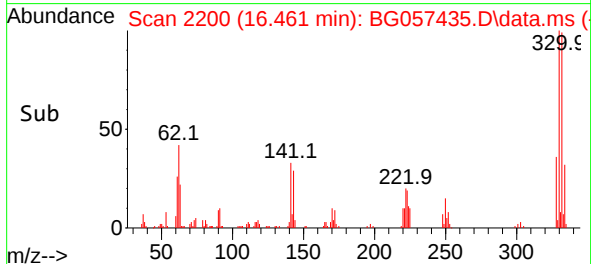
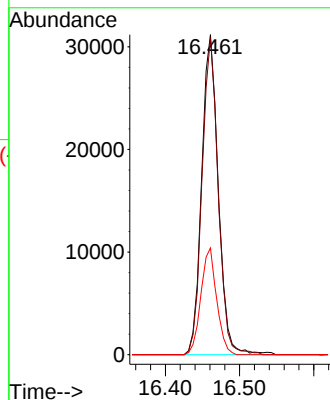
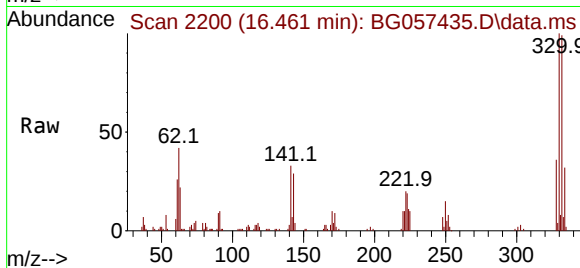




#42
2,4,6-Tribromophenol
Concen: 62.543 ng
RT: 16.461 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

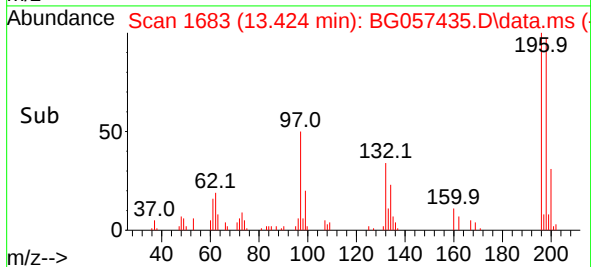
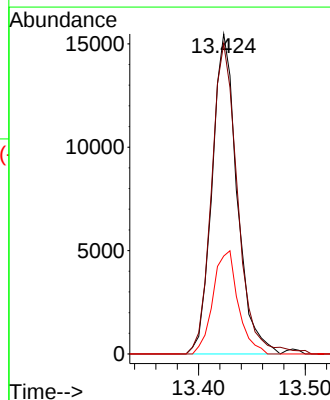
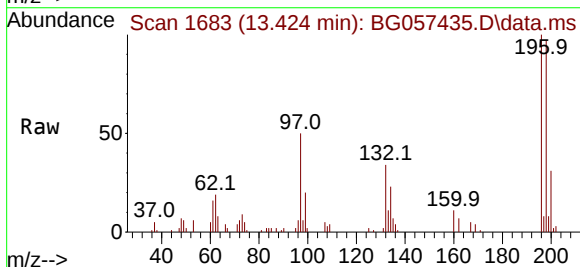
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

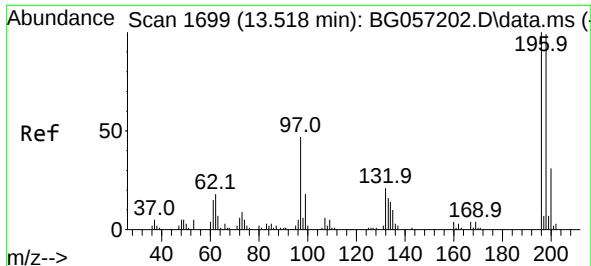
Tgt Ion:330 Resp: 48533
Ion Ratio Lower Upper
330 100
332 95.8 78.2 117.2
141 31.5 27.8 41.8



#43
2,4,6-Trichlorophenol
Concen: 21.280 ng
RT: 13.424 min Scan# 1683
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

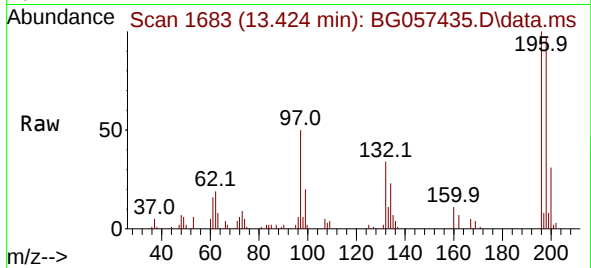
Tgt Ion:196 Resp: 25171
Ion Ratio Lower Upper
196 100
198 97.0 81.2 121.8
200 30.6 26.3 39.5



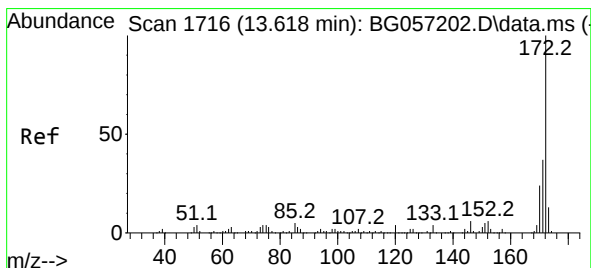
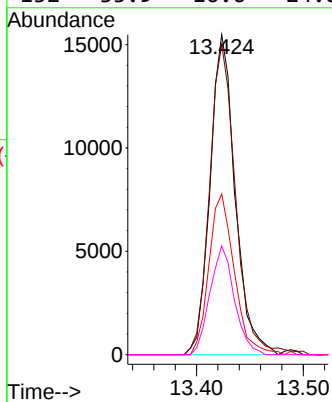
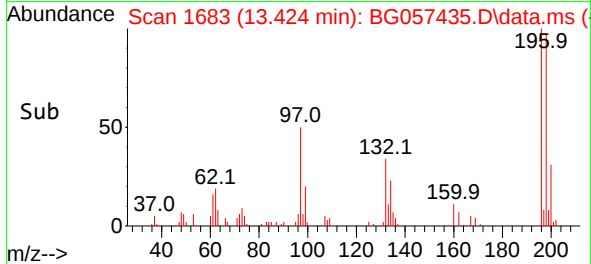


#44
2,4,5-Trichlorophenol
Concen: 18.091 ng
RT: 13.424 min Scan# 1
Delta R.T. -0.080 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

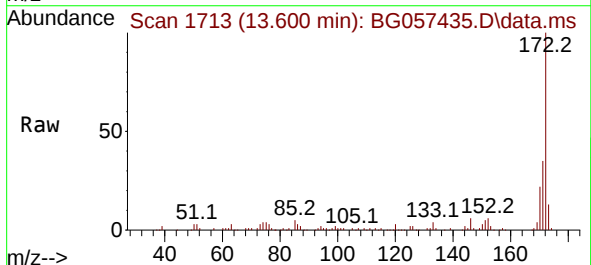
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL



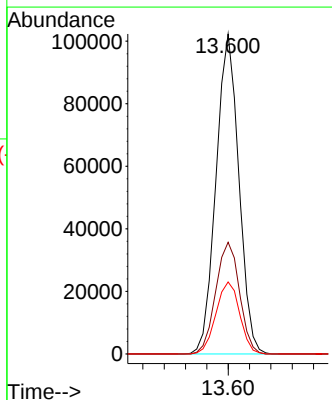
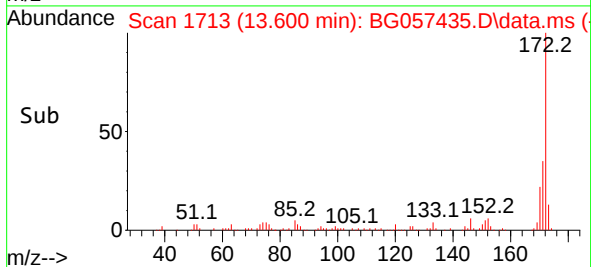
Tgt Ion:196 Resp: 25171
Ion Ratio Lower Upper
196 100
198 97.0 79.4 119.2
97 50.2 37.0 55.4
132 33.9 16.6 24.8#

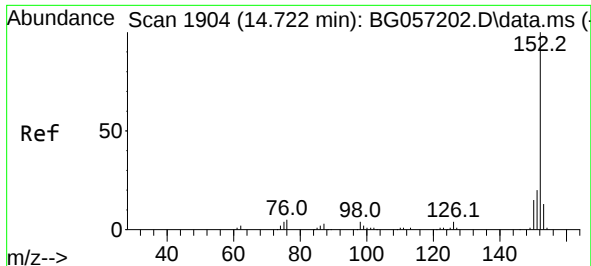


#45
2-Fluorobiphenyl
Concen: 37.332 ng
RT: 13.600 min Scan# 1713
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41



Tgt Ion:172 Resp: 151594
Ion Ratio Lower Upper
172 100
171 34.9 29.4 44.0
170 22.5 19.0 28.6

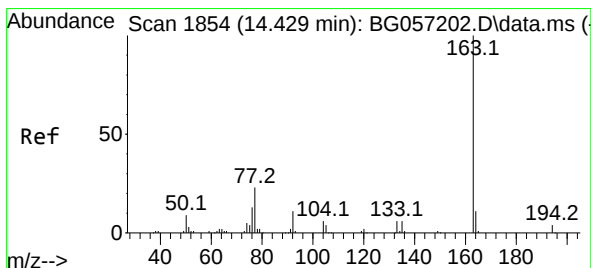
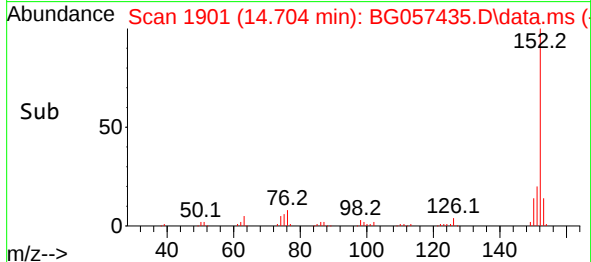
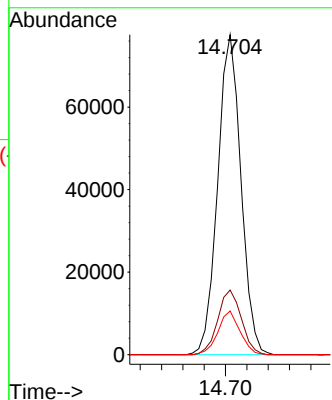
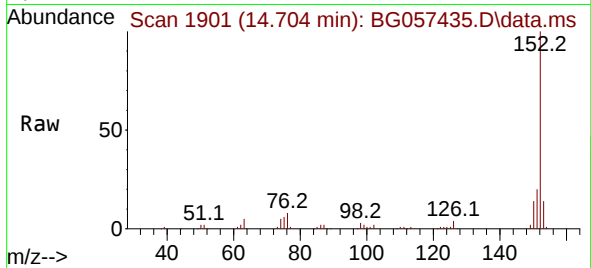




#49
Acenaphthylene
Concen: 23.908 ng
RT: 14.704 min Scan# 1901
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

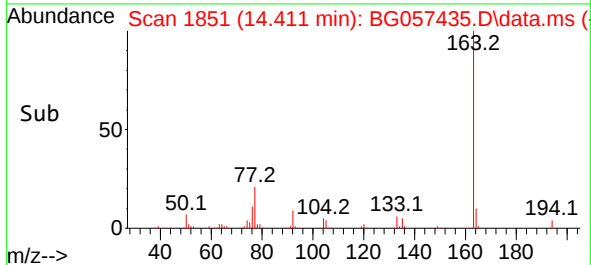
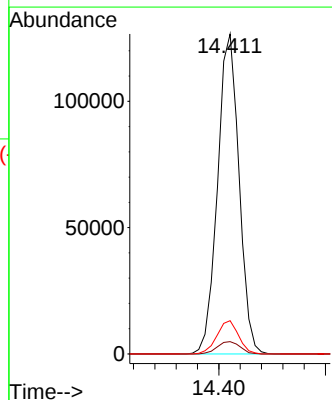
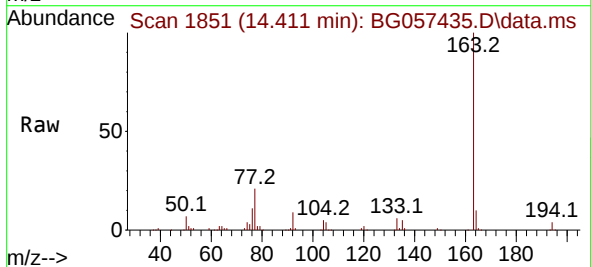
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

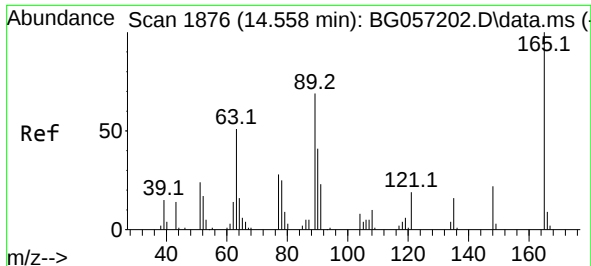
Tgt Ion:152 Resp: 117216
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.7 10.7 16.1



#50
Dimethylphthalate
Concen: 39.306 ng
RT: 14.411 min Scan# 1851
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:163 Resp: 176650
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 10.4 8.8 13.2

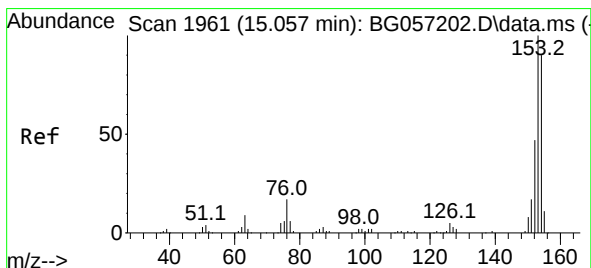
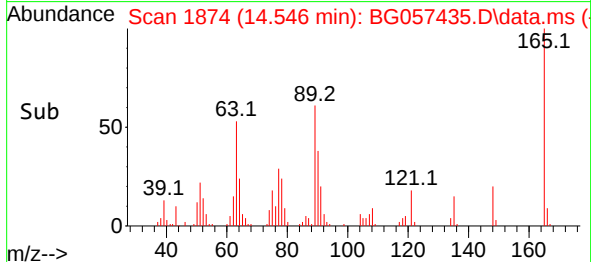
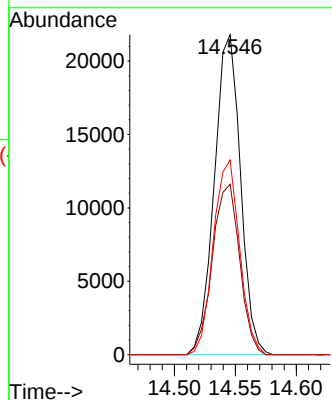
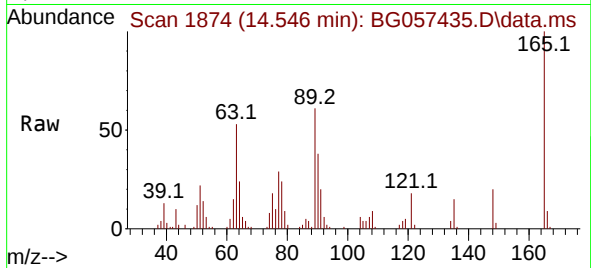




#51
2,6-Dinitrotoluene
Concen: 35.455 ng
RT: 14.546 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

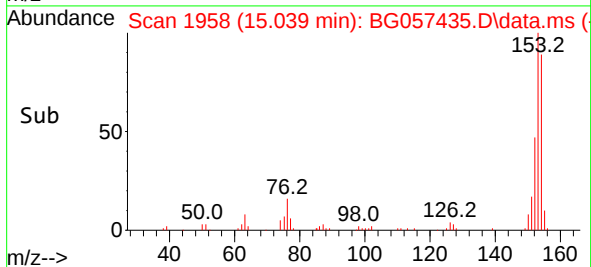
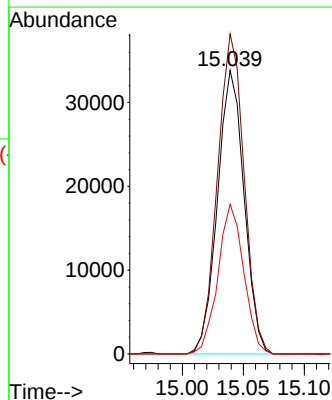
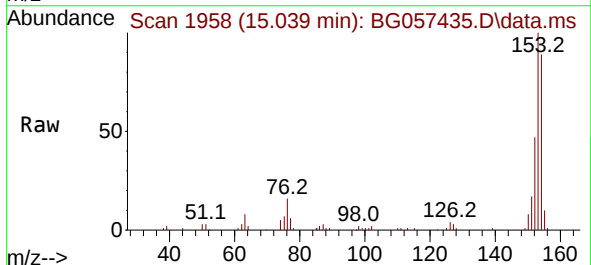
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

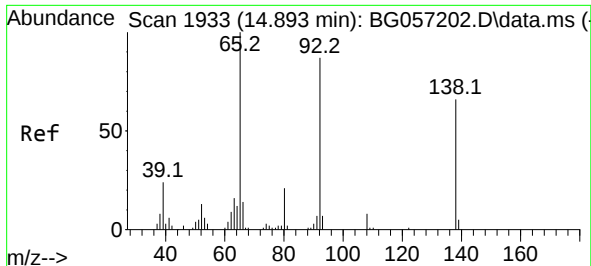
Tgt Ion:165 Resp: 32533
Ion Ratio Lower Upper
165 100
63 53.3 50.9 76.3
89 60.9 55.2 82.8



#52
Acenaphthene
Concen: 16.774 ng
RT: 15.039 min Scan# 1958
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:154 Resp: 51388
Ion Ratio Lower Upper
154 100
153 112.9 89.3 133.9
152 52.7 41.7 62.5

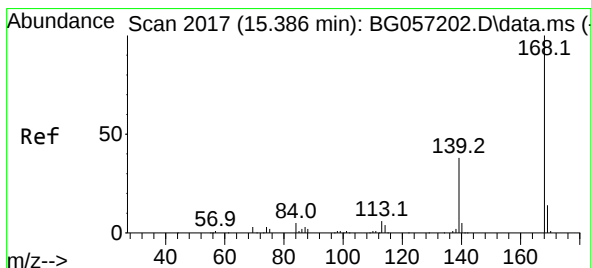
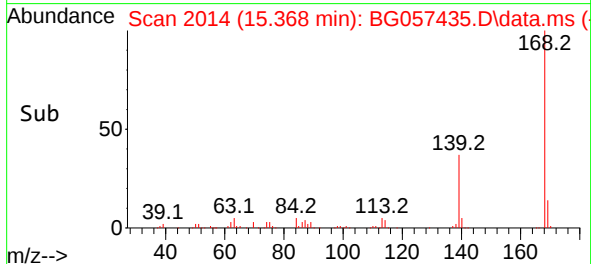
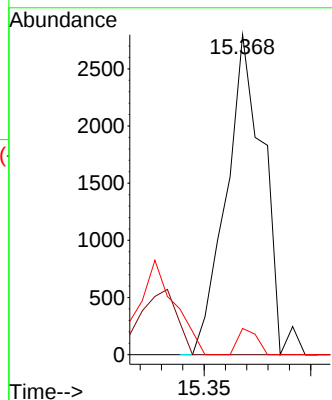
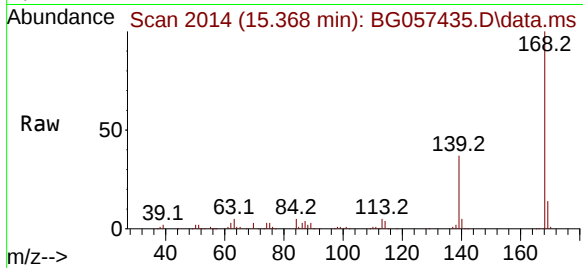




#53
3-Nitroaniline
Concen: 3.610 ng
RT: 15.368 min Scan# 2014
Delta R.T. 0.484 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

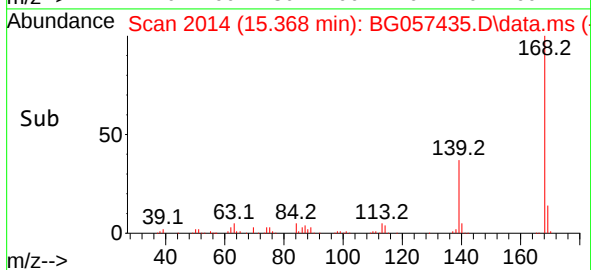
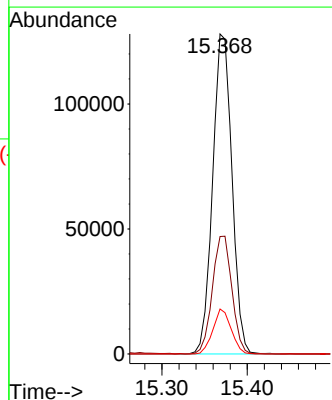
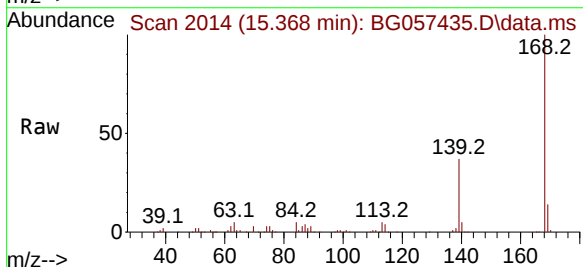
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

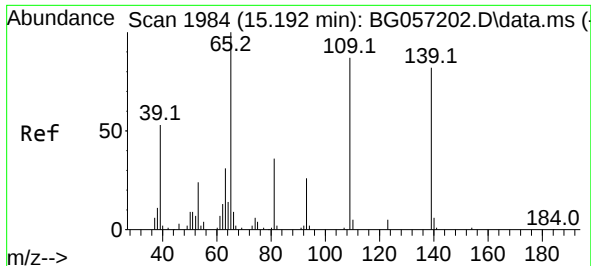
Tgt Ion:138 Resp: 3319
Ion Ratio Lower Upper
138 100
108 0.0 9.5 14.3#
92 8.2 106.2 159.4#



#55
Dibenzofuran
Concen: 39.146 ng
RT: 15.368 min Scan# 2014
Delta R.T. -0.009 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:168 Resp: 201500
Ion Ratio Lower Upper
168 100
139 36.7 30.7 46.1
169 14.0 10.9 16.3

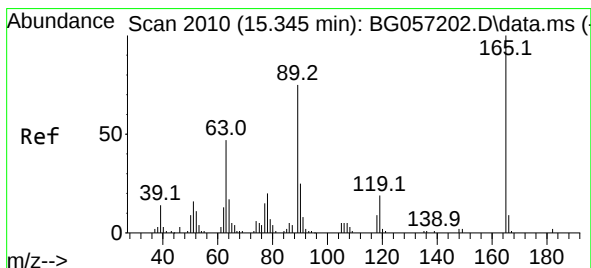
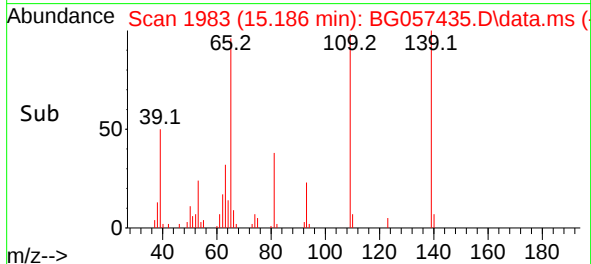
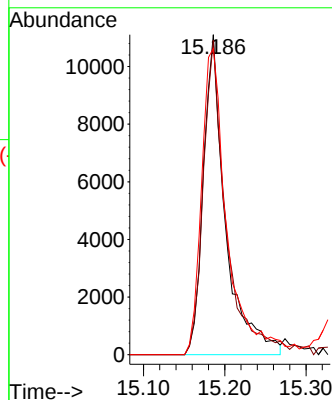
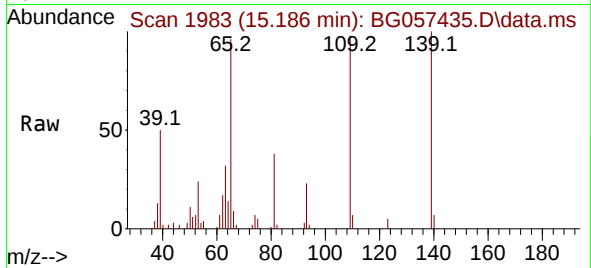




#56
4-Nitrophenol
Concen: 34.462 ng
RT: 15.186 min Scan# 1984
Delta R.T. 0.002 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

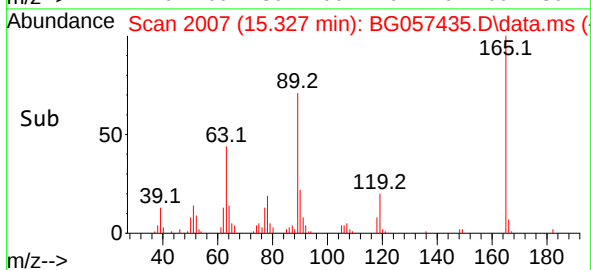
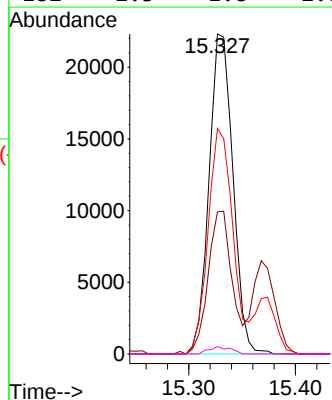
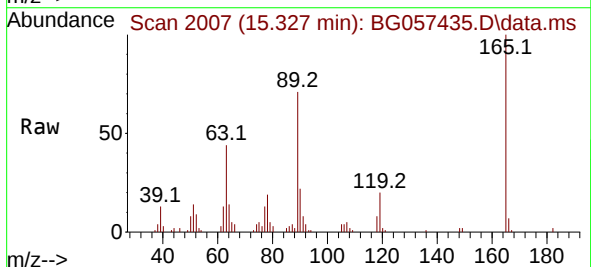
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

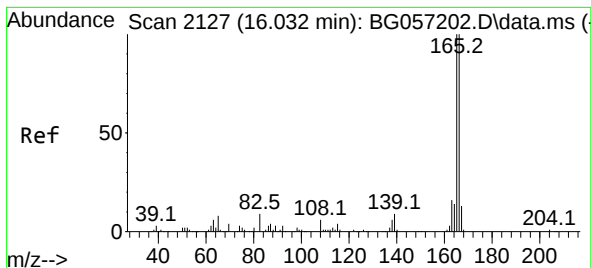
Tgt Ion:139 Resp: 21070
Ion Ratio Lower Upper
139 100
109 98.2 86.6 126.6
65 95.7 102.6 142.6#



#57
2,4-Dinitrotoluene
Concen: 26.463 ng
RT: 15.327 min Scan# 2007
Delta R.T. -0.009 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:165 Resp: 34703
Ion Ratio Lower Upper
165 100
63 44.4 37.5 56.3
89 70.5 60.2 90.4
182 2.3 1.8 2.8





#58

Fluorene

Concen: 26.908 ng

RT: 16.020 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG057435.D

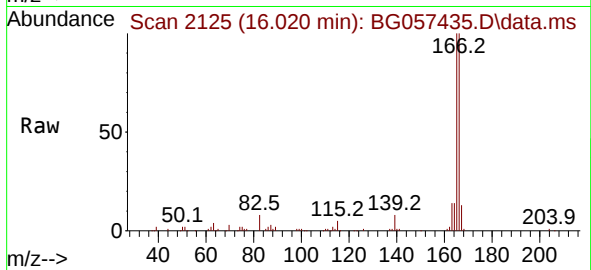
Acq: 15 May 2023 16:41

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD



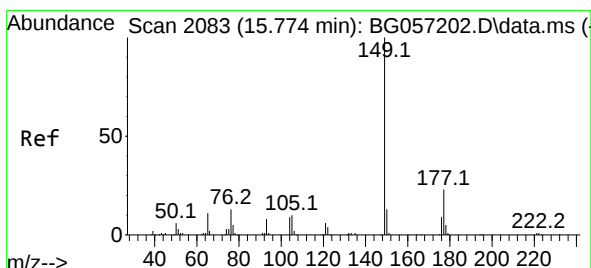
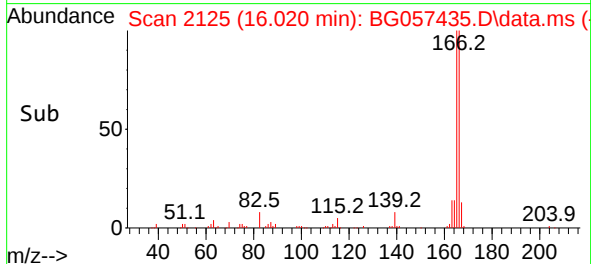
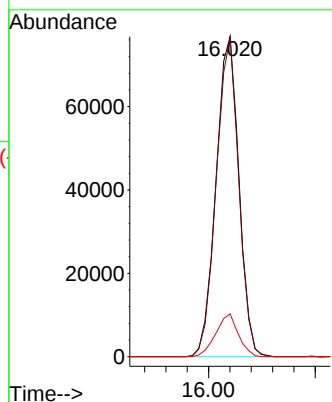
Tgt Ion:166 Resp: 114088

Ion Ratio Lower Upper

166 100

165 99.9 80.1 120.1

167 13.4 10.2 15.2



#60

Diethylphthalate

Concen: 47.381 ng

RT: 15.756 min Scan# 2080

Delta R.T. -0.004 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

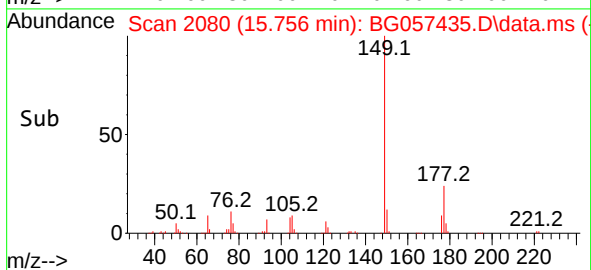
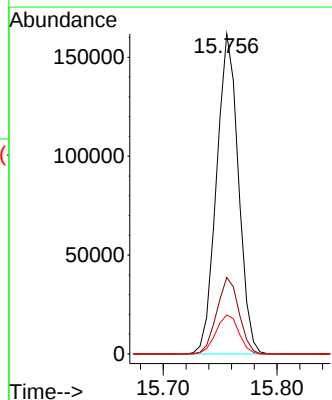
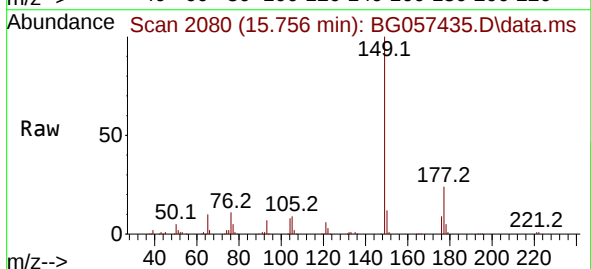
Tgt Ion:149 Resp: 216247

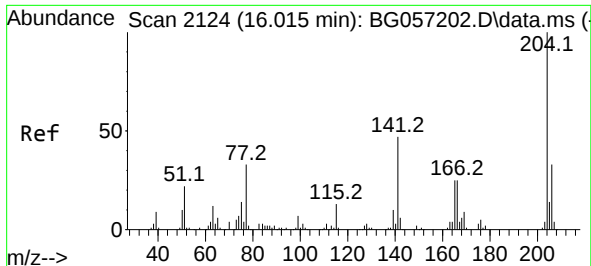
Ion Ratio Lower Upper

149 100

177 23.9 18.3 27.5

150 12.2 10.1 15.1

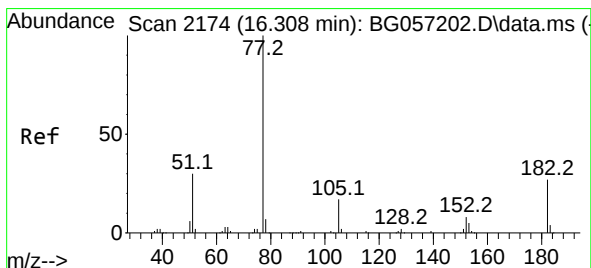
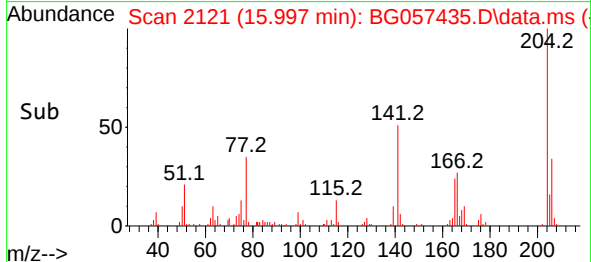
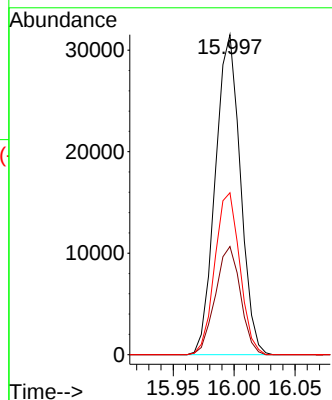
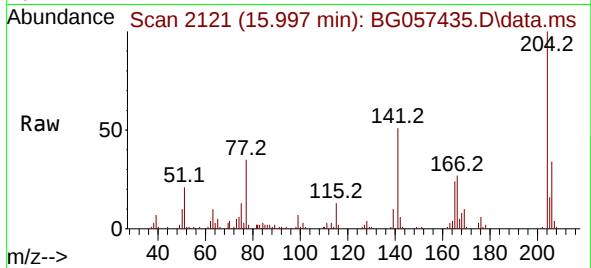




#61
4-Chlorophenyl-phenylether
Concen: 17.641 ng
RT: 15.997 min Scan# 2121
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

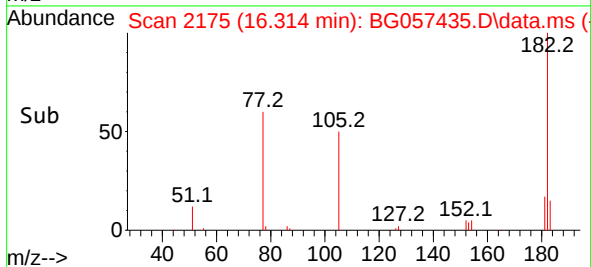
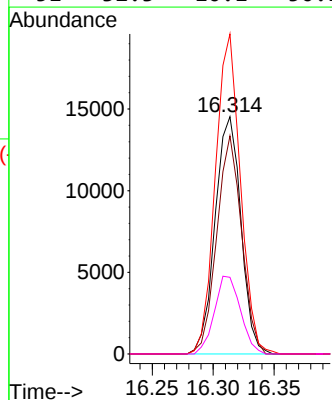
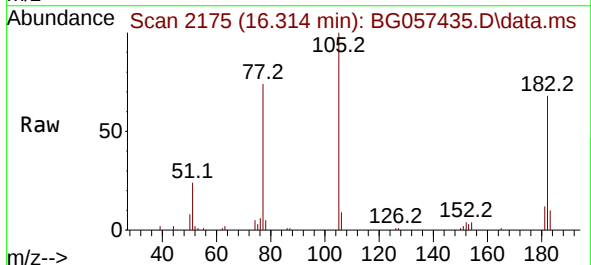
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

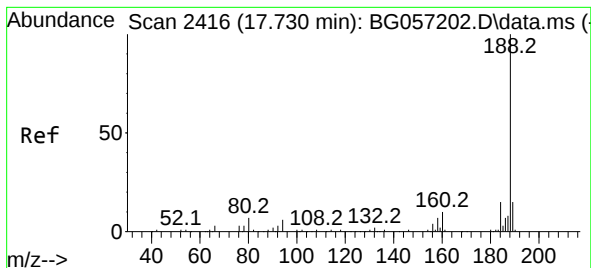
Tgt Ion:204 Resp: 45059
Ion Ratio Lower Upper
204 100
206 33.8 26.5 39.7
141 50.6 37.4 56.0



#63
Azobenzene
Concen: 4.855 ng
RT: 16.314 min Scan# 2175
Delta R.T. 0.020 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion: 77 Resp: 21379
Ion Ratio Lower Upper
77 100
182 91.9 7.4 47.4#
105 134.8 0.0 37.2#
51 32.3 10.1 50.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.718 min Scan# 2416

Delta R.T. -0.004 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

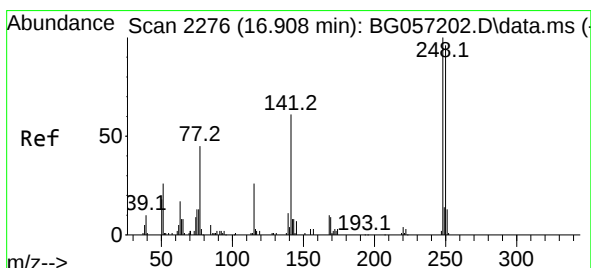
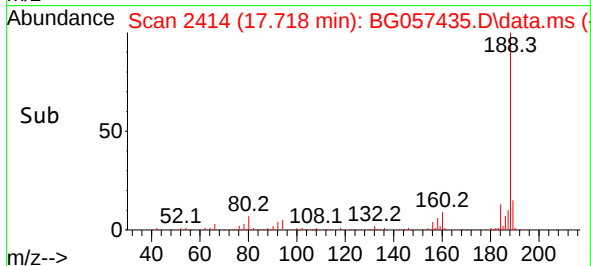
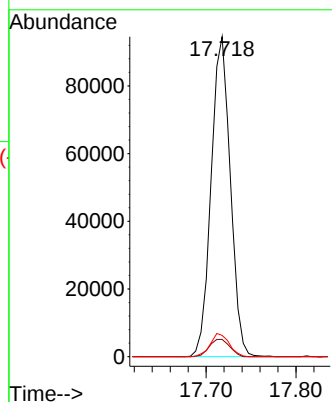
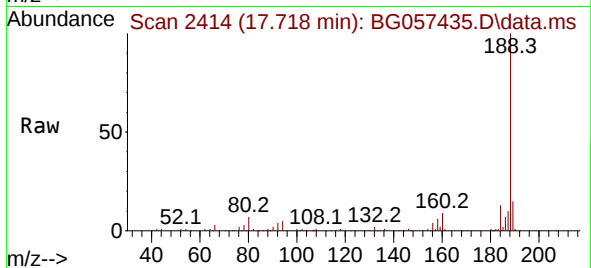
Tgt Ion:188 Resp: 140124

Ion Ratio Lower Upper

188 100

94 5.4 5.1 7.7

80 6.6 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 2.015 ng

RT: 16.461 min Scan# 2200

Delta R.T. -0.432 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

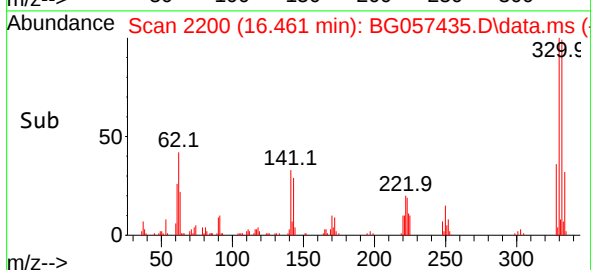
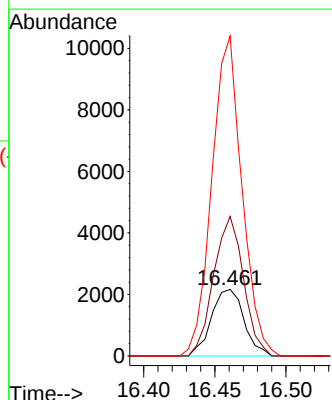
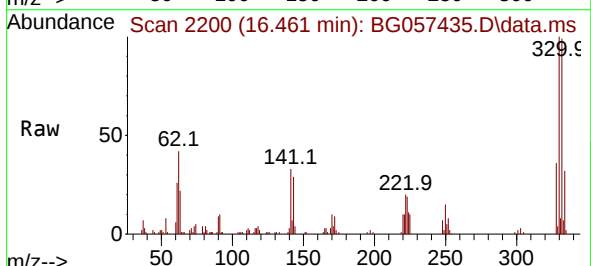
Tgt Ion:248 Resp: 3446

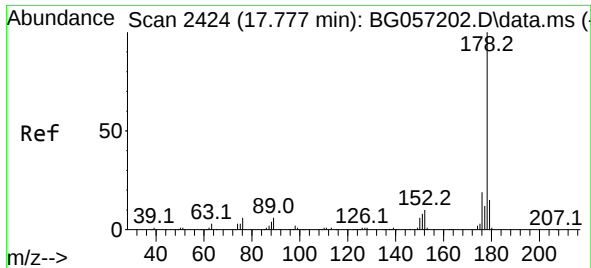
Ion Ratio Lower Upper

248 100

250 209.8 77.0 115.6#

141 481.0 48.6 72.8#

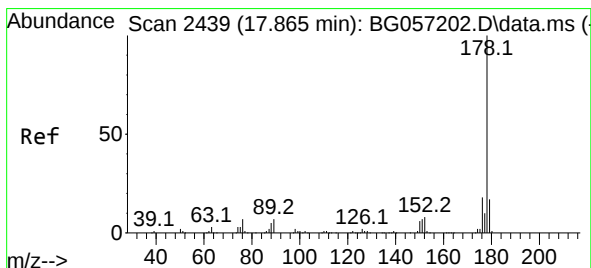
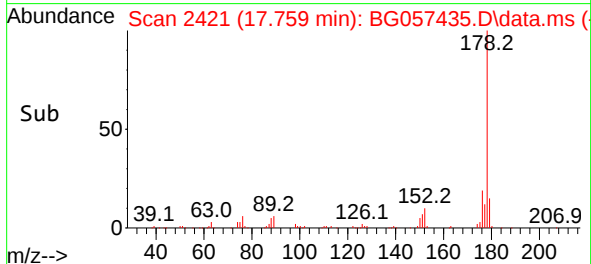
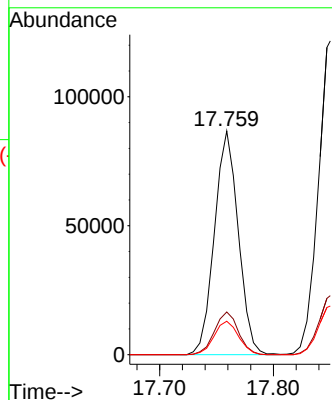
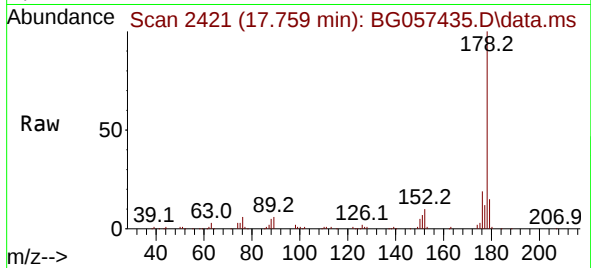




#71
Phenanthrene
Concen: 17.578 ng
RT: 17.759 min Scan# 2421
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

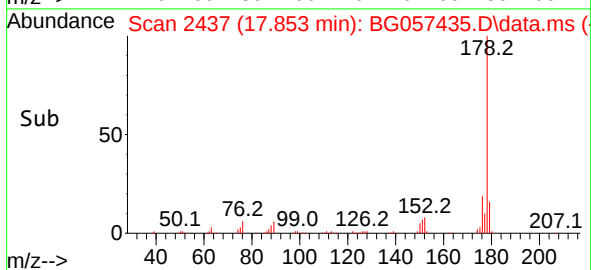
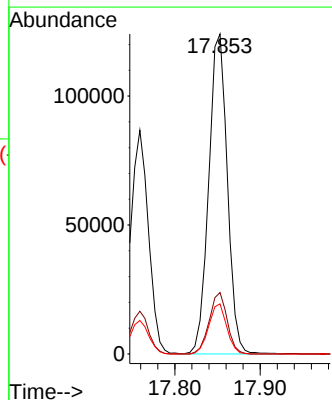
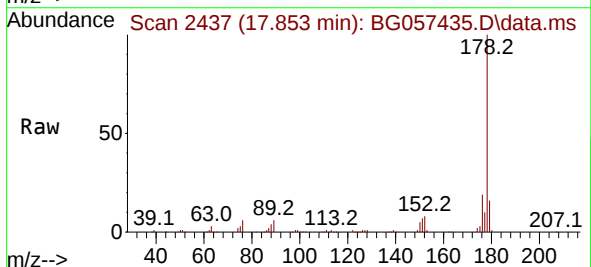
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

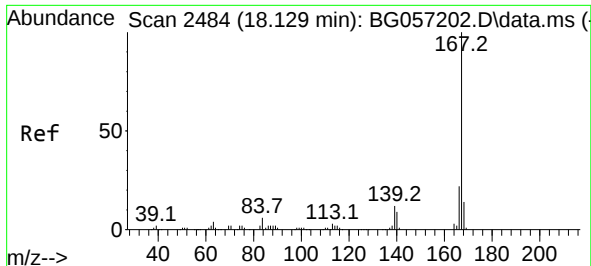
Tgt Ion:178 Resp: 126210
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 14.9 12.3 18.5



#72
Anthracene
Concen: 25.485 ng
RT: 17.853 min Scan# 2437
Delta R.T. 0.002 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:178 Resp: 187764
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.7 13.2 19.8

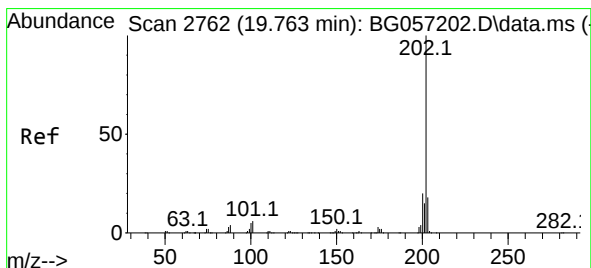
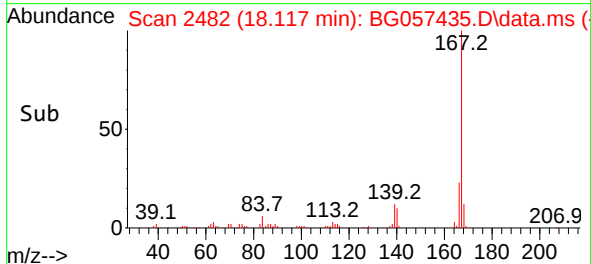
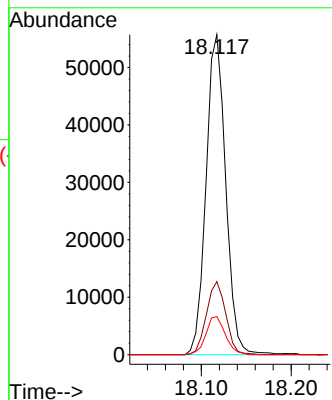
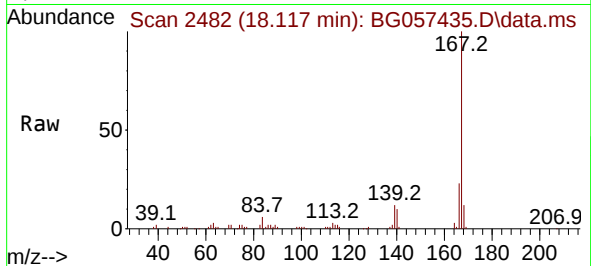




#73
 Carbazole
 Concen: 13.638 ng
 RT: 18.117 min Scan# 2482
 Delta R.T. -0.004 min
 Lab File: BG057435.D
 Acq: 15 May 2023 16:41

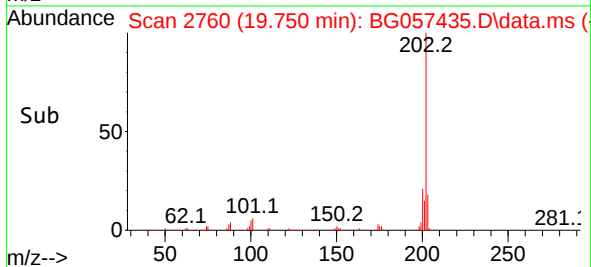
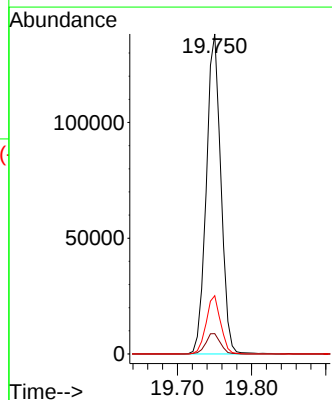
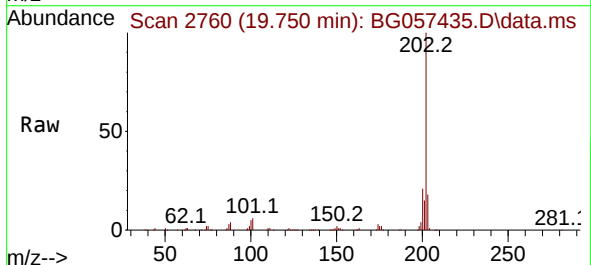
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

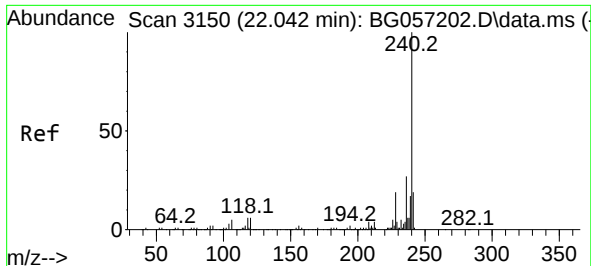
Tgt Ion:167 Resp: 84592
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.4 26.0
 139 11.9 9.6 14.4



#75
 Fluoranthene
 Concen: 21.077 ng
 RT: 19.750 min Scan# 2760
 Delta R.T. -0.004 min
 Lab File: BG057435.D
 Acq: 15 May 2023 16:41

Tgt Ion:202 Resp: 188228
 Ion Ratio Lower Upper
 202 100
 101 6.4 0.0 26.2
 203 18.2 0.0 37.9

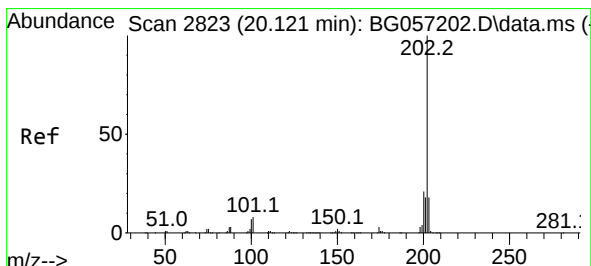
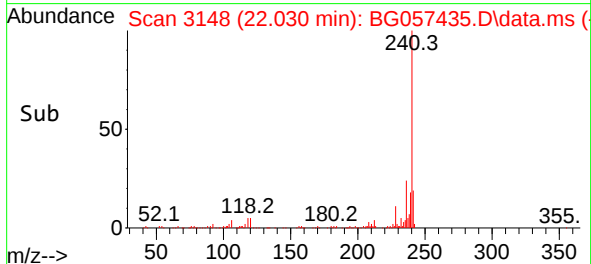
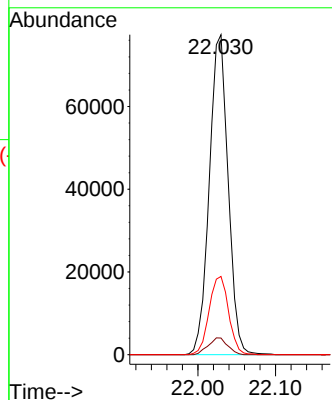
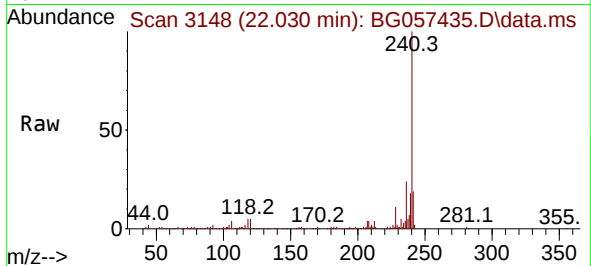




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.030 min Scan# 3150
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

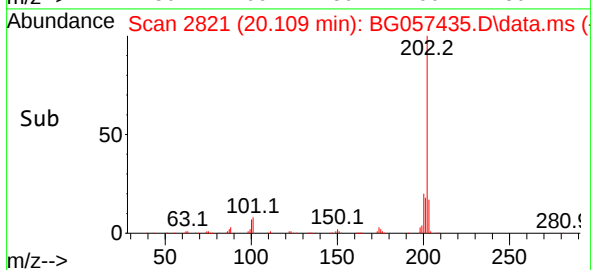
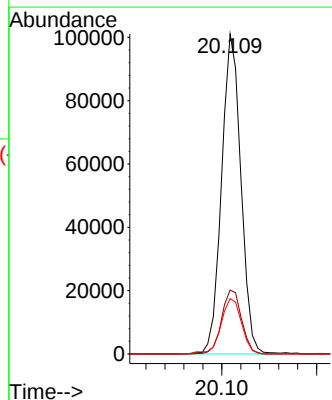
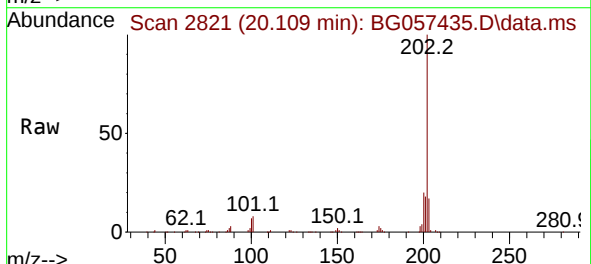
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

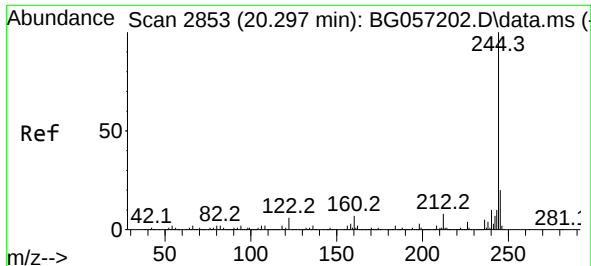
Tgt Ion:240 Resp: 130356
Ion Ratio Lower Upper
240 100
120 5.2 4.9 7.3
236 24.5 21.4 32.2



#78
Pyrene
Concen: 15.111 ng
RT: 20.109 min Scan# 2821
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:202 Resp: 143135
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.4
203 17.3 14.2 21.4

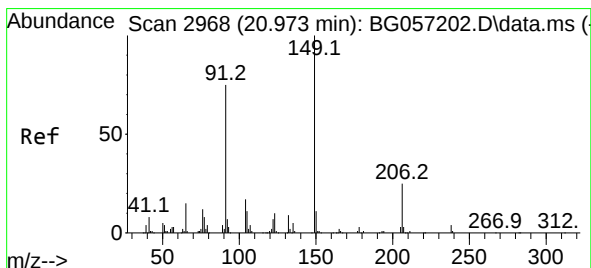
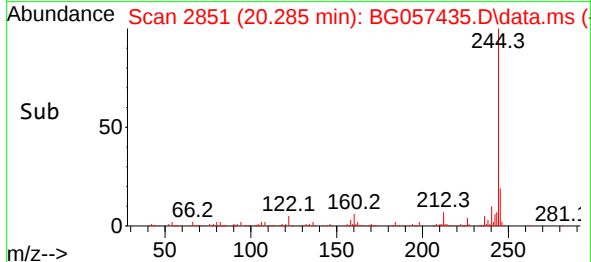
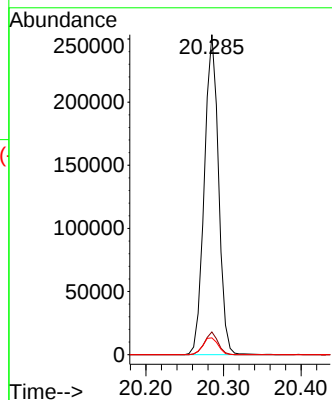
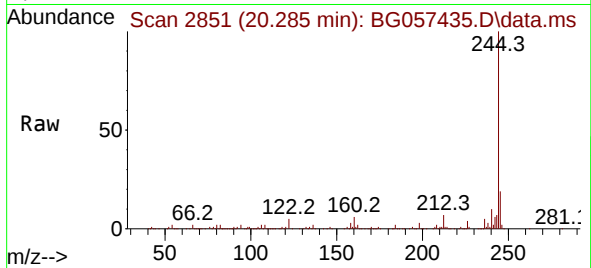




#79
 Terphenyl-d14
 Concen: 40.262 ng
 RT: 20.285 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057435.D
 Acq: 15 May 2023 16:41

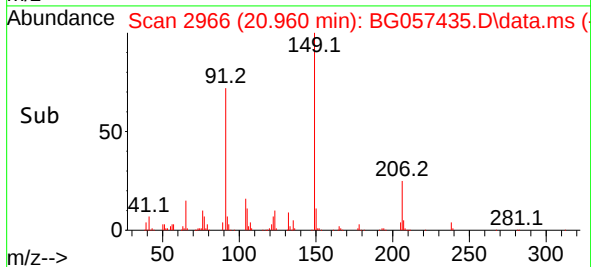
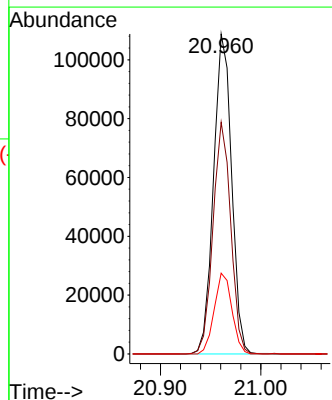
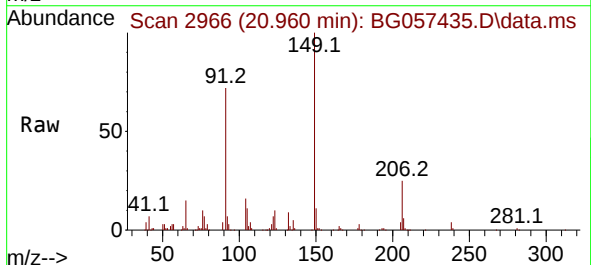
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

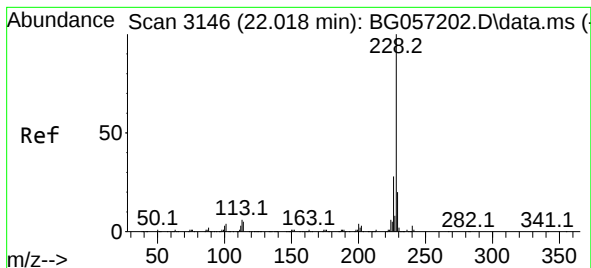
Tgt Ion:244 Resp: 321609
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 5.3 5.1 7.7



#80
 Butylbenzylphthalate
 Concen: 45.228 ng
 RT: 20.960 min Scan# 2966
 Delta R.T. -0.004 min
 Lab File: BG057435.D
 Acq: 15 May 2023 16:41

Tgt Ion:149 Resp: 135935
 Ion Ratio Lower Upper
 149 100
 91 72.4 59.7 89.5
 206 25.3 19.7 29.5





#81

Benzo(a)anthracene

Concen: 14.413 ng

RT: 22.006 min Scan# 3144

Delta R.T. -0.004 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

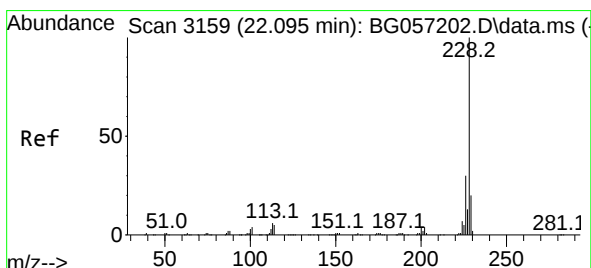
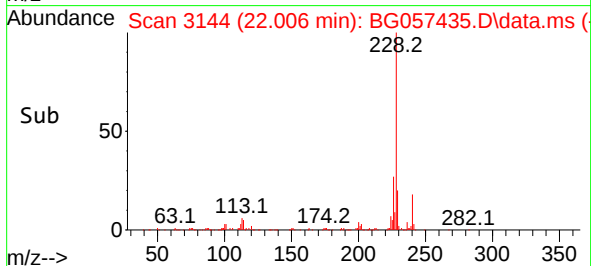
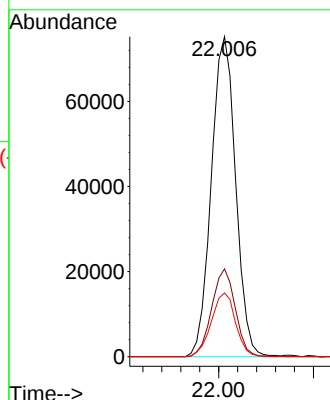
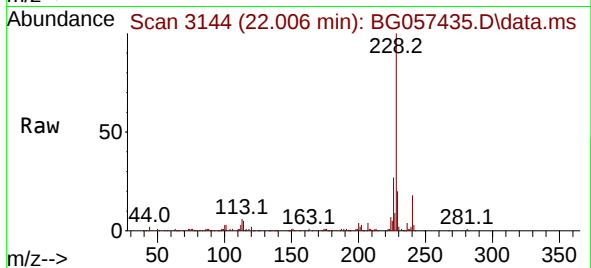
Tgt Ion:228 Resp: 133863

Ion Ratio Lower Upper

228 100

226 27.4 22.0 33.0

229 19.9 15.8 23.8



#83

Chrysene

Concen: 15.319 ng

RT: 22.006 min Scan# 3144

Delta R.T. -0.074 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

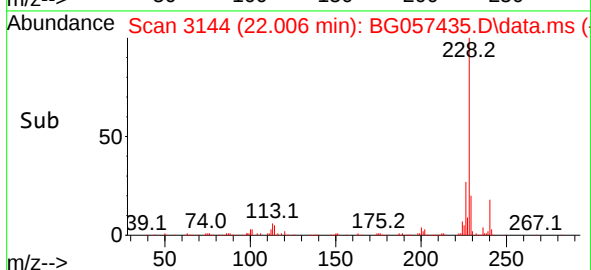
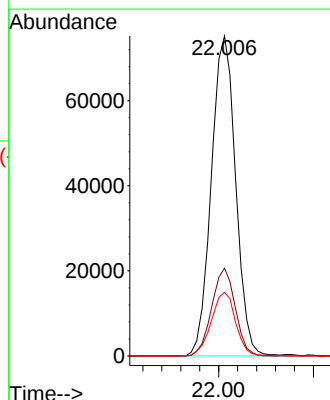
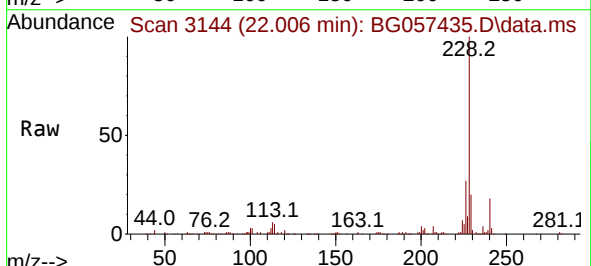
Tgt Ion:228 Resp: 133863

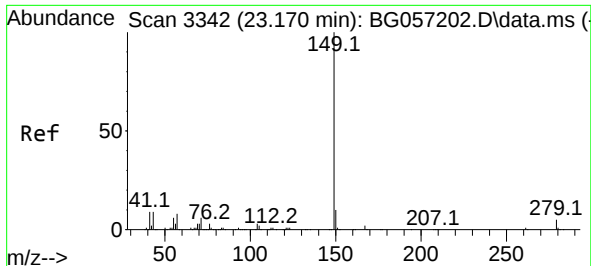
Ion Ratio Lower Upper

228 100

226 27.4 24.3 36.5

229 19.9 15.9 23.9

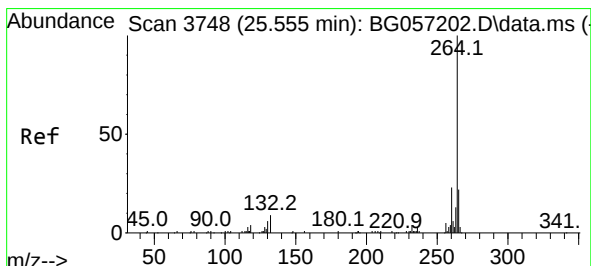
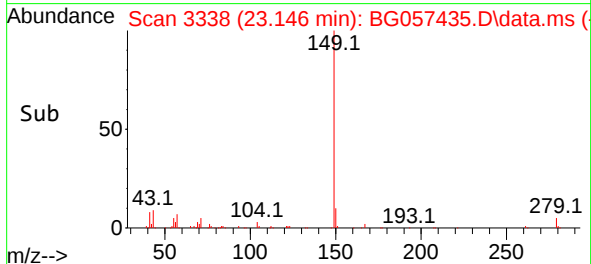
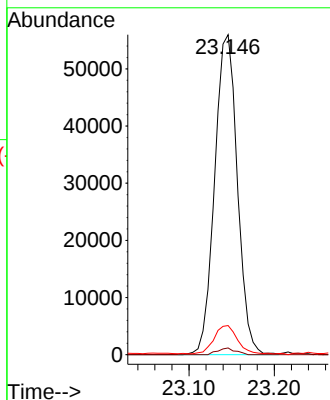
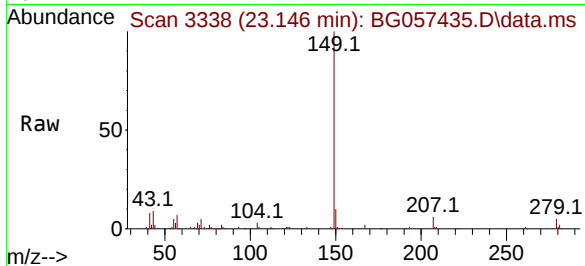




#85
Di-n-octyl phthalate
Concen: 13.961 ng
RT: 23.146 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

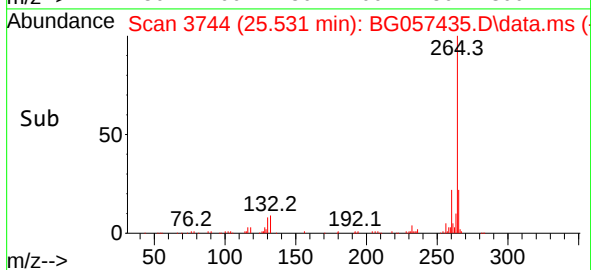
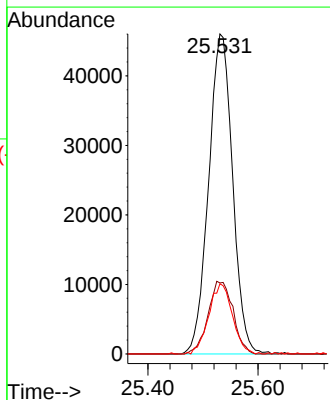
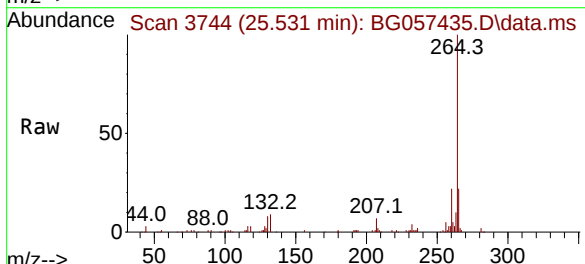
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

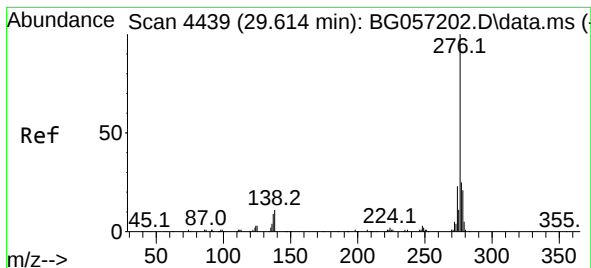
Tgt Ion:149 Resp: 103497
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 9.9 7.8 11.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.531 min Scan# 3744
Delta R.T. -0.004 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Tgt Ion:264 Resp: 139286
Ion Ratio Lower Upper
264 100
260 22.2 18.8 28.2
265 21.9 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 23.682 ng

RT: 29.584 min Scan# 4434

Delta R.T. -0.015 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

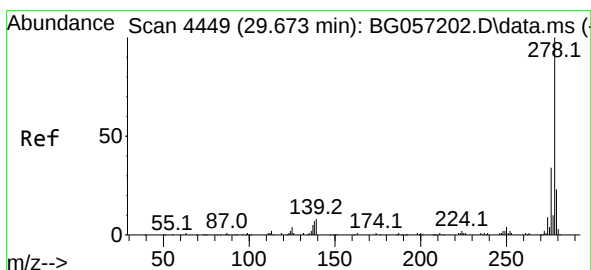
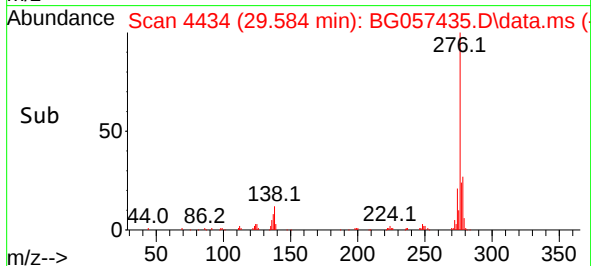
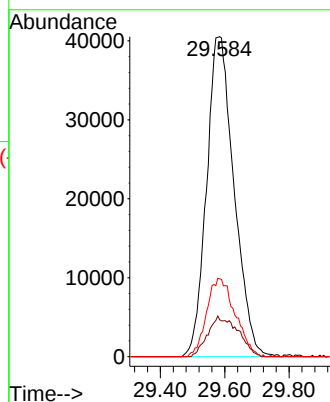
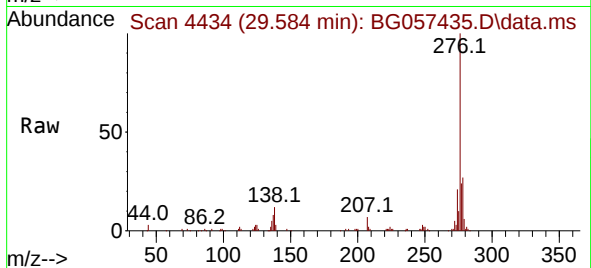
Tgt Ion:276 Resp: 240400

Ion Ratio Lower Upper

276 100

138 13.9 5.4 8.0#

277 25.4 20.6 30.8



#91

Dibenzo(a,h)anthracene

Concen: 23.832 ng

RT: 29.643 min Scan# 4444

Delta R.T. -0.009 min

Lab File: BG057435.D

Acq: 15 May 2023 16:41

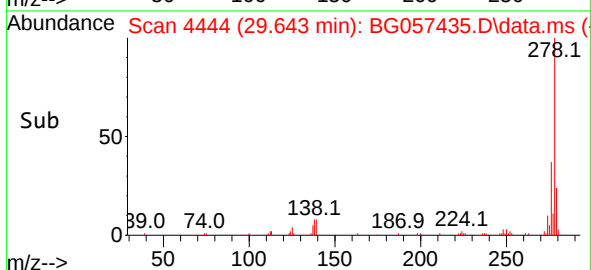
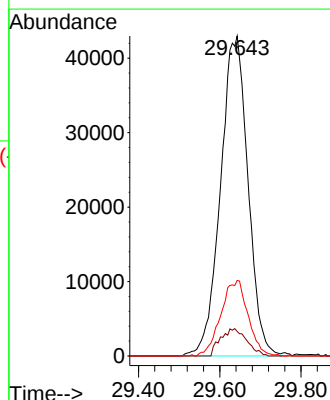
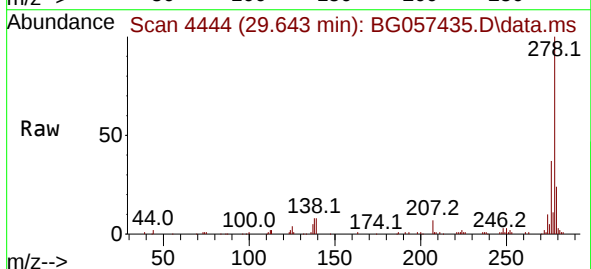
Tgt Ion:278 Resp: 201476

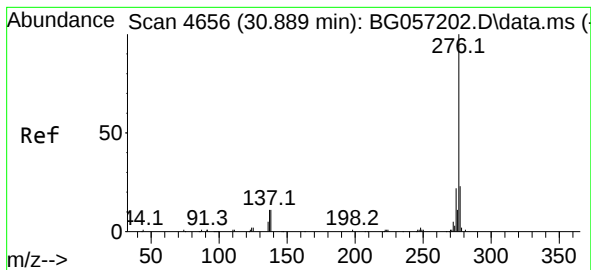
Ion Ratio Lower Upper

278 100

139 7.7 6.2 9.2

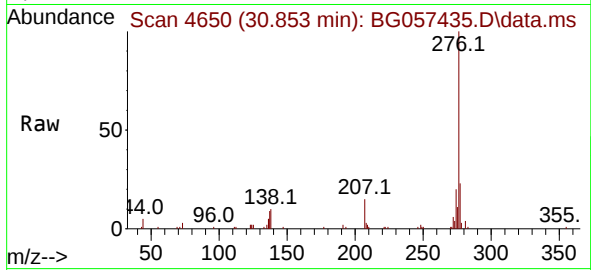
279 23.6 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 13.183 ng
RT: 30.853 min Scan# 4
Delta R.T. -0.021 min
Lab File: BG057435.D
Acq: 15 May 2023 16:41

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL



Tgt Ion:276 Resp: 108819
Ion Ratio Lower Upper
276 100
277 23.0 18.4 27.6
138 10.2 9.0 13.4

