

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
 Data File : BG056499.D
 Acq On : 1 Feb 2023 14:11
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Feb 02 05:00:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	33036	20.000	ng	# 0.00
21) Naphthalene-d8	11.108	136	124461	20.000	ng	0.00
39) Acenaphthene-d10	14.897	164	101755	20.000	ng	0.00
64) Phenanthrene-d10	17.635	188	262913	20.000	ng	0.00
76) Chrysene-d12	21.924	240	255691	20.000	ng	0.00
86) Perylene-d12	25.344	264	281377	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.790	112	183492	102.176	ng	0.00
7) Phenol-d6	7.418	99	262340	98.592	ng	0.00
23) Nitrobenzene-d5	9.451	82	154756	70.607	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	140117	103.578	ng	0.00
45) 2-Fluorobiphenyl	13.522	172	522454	71.185	ng	0.00
79) Terphenyl-d14	20.209	244	1002906	68.891	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.593	88	6987	9.344	ng	98
3) Pyridine	4.022	79	17028	7.639	ng	# 91
4) n-Nitrosodimethylamine	3.928	42	3711	7.829	ng	# 98
6) Aniline	7.582	93	29074	8.346	ng	96
8) 2-Chlorophenol	7.835	128	16792	8.512	ng	100
9) Benzaldehyde	7.400	77	15169	9.829	ng	96
10) Phenol	7.441	94	23658	8.748	ng	97
11) bis(2-Chloroethyl)ether	7.676	93	16968	9.128	ng	95
12) 1,3-Dichlorobenzene	8.164	146	21173	9.321	ng	98
13) 1,4-Dichlorobenzene	8.164	146	21173	9.204	ng	94
14) 1,2-Dichlorobenzene	8.628	146	20773	9.308	ng	92
15) Benzyl Alcohol	8.505	79	15100	8.271	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.793	45	3285	8.340	ng	# 75
17) 2-Methylphenol	8.710	107	15808	7.683	ng	95
18) Hexachloroethane	9.368	117	6457	9.281	ng	93
19) n-Nitroso-di-n-propyla...	9.075	70	13213	8.617	ng	# 94
20) 3+4-Methylphenols	9.039	107	22861	7.929	ng	97
22) Acetophenone	9.098	105	31114	9.409	ng	# 95
24) Nitrobenzene	9.492	77	20035	9.477	ng	95
25) Isophorone	10.009	82	40687	8.998	ng	96
26) 2-Nitrophenol	10.209	139	11837	9.228	ng	94
27) 2,4-Dimethylphenol	10.256	122	17182	8.004	ng	94
28) bis(2-Chloroethoxy)met...	10.491	93	22942	9.184	ng	97
29) 2,4-Dichlorophenol	10.755	162	21458	8.880	ng	95
30) 1,2,4-Trichlorobenzene	10.967	180	25462	9.482	ng	97
31) Naphthalene	11.160	128	60003	9.134	ng	99
32) Benzoic acid	10.373	122	9248	7.700	ng	94
33) 4-Chloroaniline	11.260	127	26336	8.589	ng	97
34) Hexachlorobutadiene	11.431	225	19137	10.153	ng	98
35) Caprolactam	12.007	113	6648	8.158	ng	89
36) 4-Chloro-3-methylphenol	12.359	107	19333	8.285	ng	97
37) 2-Methylnaphthalene	12.741	142	47069	8.691	ng	99
38) 1-Methylnaphthalene	12.958	142	45184	8.933	ng	99
40) 1,2,4,5-Tetrachloroben...	13.105	216	35576	9.570	ng	99
41) Hexachlorocyclopentadiene	13.076	237	11020	11.518	ng	89
43) 2,4,6-Trichlorophenol	13.340	196	20859	8.707	ng	97

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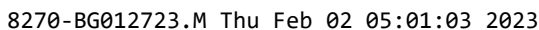
Instrument :
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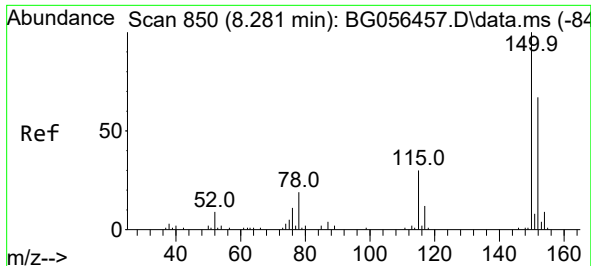
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.422	196	22423	7.994	ng	97
46) 1,1'-Biphenyl	13.728	154	68213	9.242	ng	99
47) 2-Chloronaphthalene	13.781	162	54027	9.365	ng	98
48) 2-Nitroaniline	13.981	65	10453	8.765	ng	88
49) Acenaphthylene	14.621	152	83684	8.916	ng	98
50) Dimethylphthalate	14.333	163	75232	9.139	ng	# 97
51) 2,6-Dinitrotoluene	14.462	165	15918	8.867	ng	93
52) Acenaphthene	14.962	154	50629	9.096	ng	96
53) 3-Nitroaniline	14.797	138	14384	8.264	ng	93
54) 2,4-Dinitrophenol	15.009	184	10176	9.041	ng	99
55) Dibenzofuran	15.291	168	92022	9.219	ng	98
56) 4-Nitrophenol	15.103	139	12724	10.699	ng	96
57) 2,4-Dinitrotoluene	15.250	165	22734	8.990	ng	97
58) Fluorene	15.937	166	73017	9.193	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.514	232	21622	8.670	ng	# 96
60) Diethylphthalate	15.679	149	68433	8.853	ng	99
61) 4-Chlorophenyl-phenyle...	15.920	204	43258	8.925	ng	96
62) 4-Nitroaniline	15.949	138	14797	8.496	ng	96
63) Azobenzene	16.213	77	48834	9.181	ng	98
65) 4,6-Dinitro-2-methylph...	16.014	198	13491	7.299	ng	96
66) n-Nitrosodiphenylamine	16.131	169	66629	8.951	ng	97
67) 4-Bromophenyl-phenylether	16.813	248	29676	8.817	ng	97
68) Hexachlorobenzene	16.942	284	30607	9.285	ng	98
69) Atrazine	17.059	200	28020	9.757	ng	95
70) Pentachlorophenol	17.283	266	17214	8.630	ng	92
71) Phenanthrene	17.676	178	124193	9.025	ng	97
72) Anthracene	17.764	178	129641	9.178	ng	100
73) Carbazole	18.035	167	109495	9.101	ng	98
74) Di-n-butylphthalate	18.558	149	111662	8.840	ng	99
75) Fluoranthene	19.668	202	158571	9.130	ng	99
77) Benzidine	19.838	184	86511	12.503	ng	100
78) Pyrene	20.032	202	160695	8.837	ng	99
80) Butylbenzylphthalate	20.884	149	45786	8.244	ng	98
81) Benzo(a)anthracene	21.901	228	161080	9.011	ng	96
82) 3,3'-Dichlorobenzidine	21.801	252	64583	10.033	ng	98
83) Chrysene	21.971	228	150613	8.968	ng	100
84) Bis(2-ethylhexyl)phtha...	21.760	149	68840	8.645	ng	98
85) Di-n-octyl phthalate	23.035	149	113668	8.572	ng	100
87) Indeno(1,2,3-cd)pyrene	29.269	276	176120	8.551	ng	# 96
88) Benzo(b)fluoranthene	24.245	252	161835	9.266	ng	100
89) Benzo(k)fluoranthene	24.316	252	161410	9.154	ng	97
90) Benzo(a)pyrene	25.179	252	145512	8.458	ng	100
91) Dibenzo(a,h)anthracene	29.327	278	156538	9.054	ng	# 97
92) Benzo(g,h,i)perylene	30.514	276	151589	9.087	ng	99

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

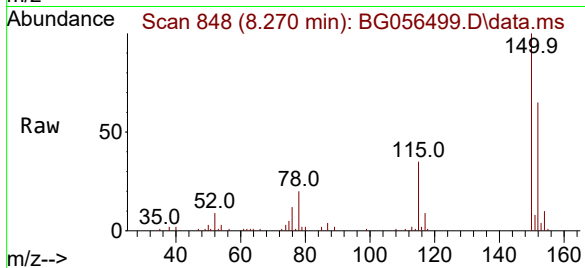
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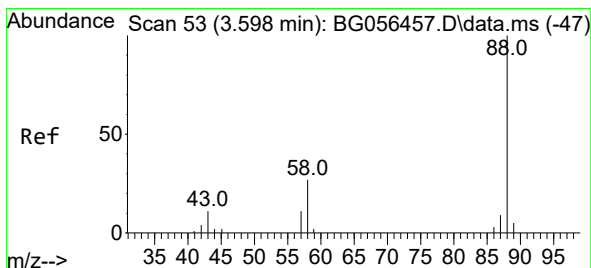
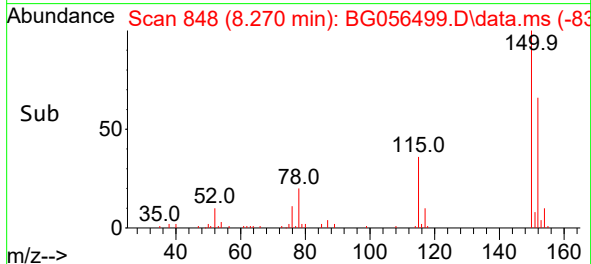
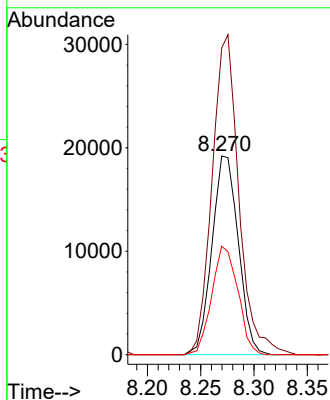


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG056499.D
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ClientSampleId :
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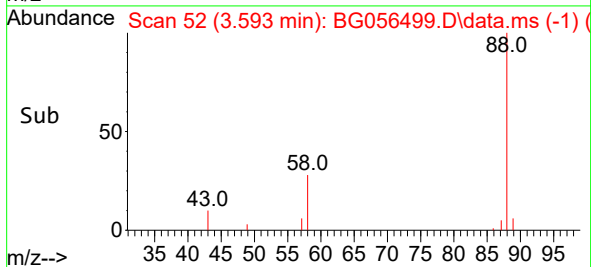
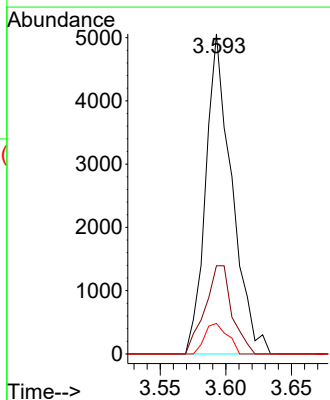
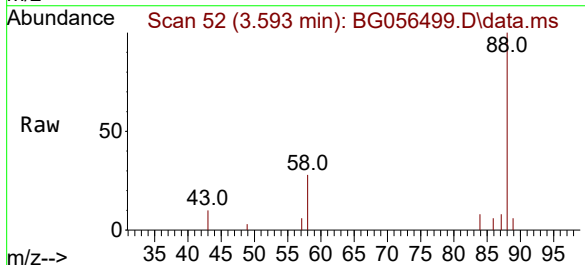


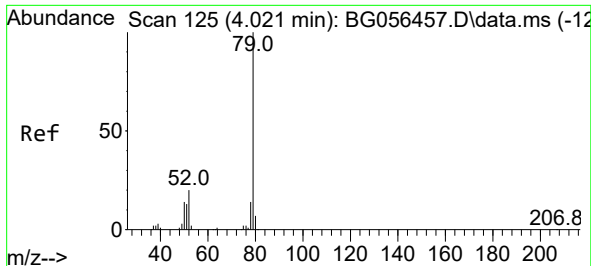
Tgt Ion:152 Resp: 33036
Ion Ratio Lower Upper
152 100
150 154.4 120.2 180.4
115 54.6 36.3 54.5#



#2
1,4-Dioxane
Concen: 9.344 ng
RT: 3.593 min Scan# 52
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion: 88 Resp: 6987
Ion Ratio Lower Upper
88 100
58 28.4 23.0 34.4
43 8.3 8.0 12.0

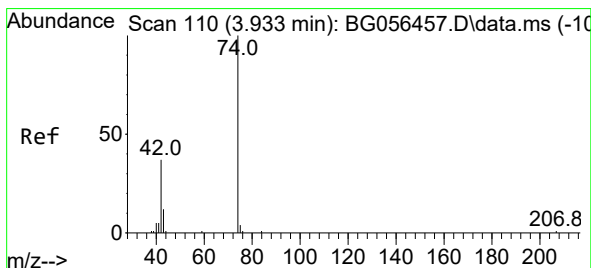
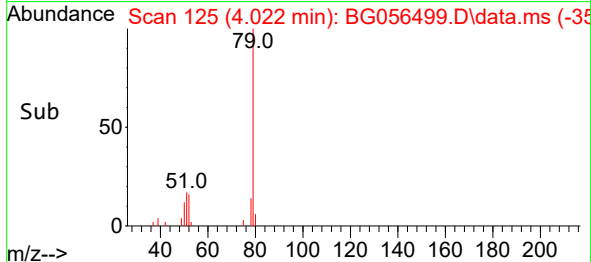
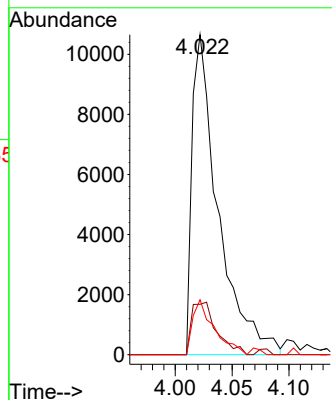
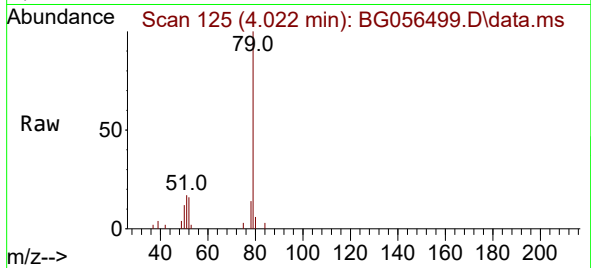




#3
Pyridine
Concen: 7.639 ng
RT: 4.022 min Scan# 110
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

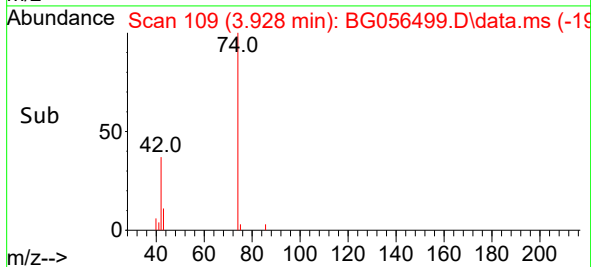
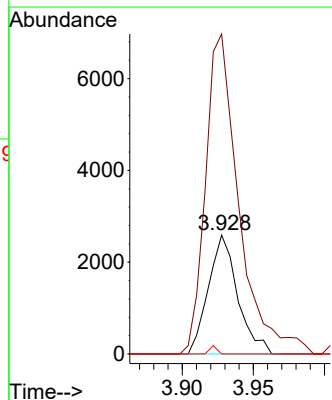
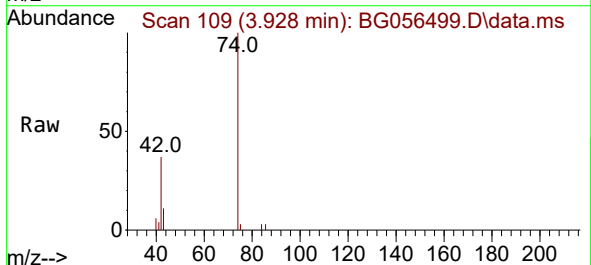
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ClientSampleId :
LOQ-SOIL-02-QT4-2022

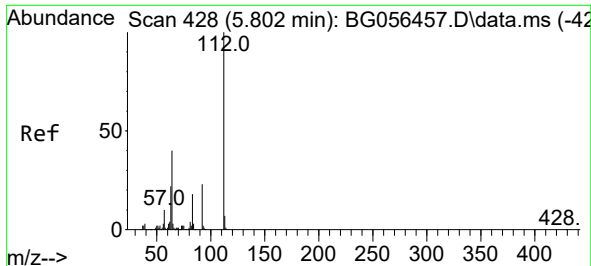
Tgt Ion: 79 Resp: 17028
Ion Ratio Lower Upper
79 100
52 15.7 16.1 24.1#
51 17.1 10.7 16.1#



#4
n-Nitrosodimethylamine
Concen: 7.829 ng
RT: 3.928 min Scan# 109
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion: 42 Resp: 3711
Ion Ratio Lower Upper
42 100
74 269.2 217.9 326.9
44 0.0 3.0 4.6#

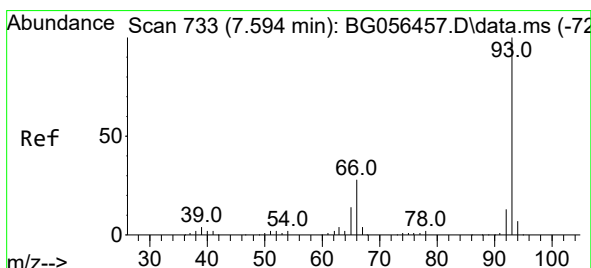
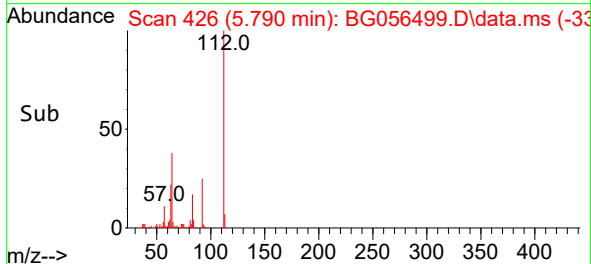
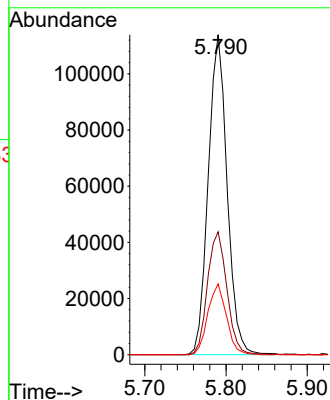
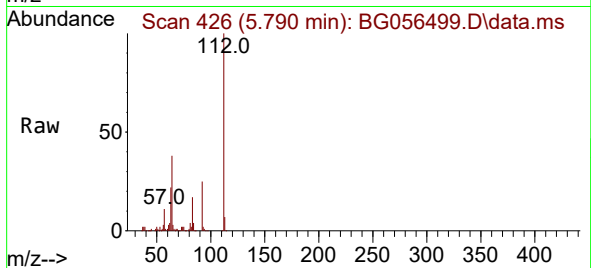




#5
2-Fluorophenol
Concen: 102.176 ng
RT: 5.790 min Scan# 41
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

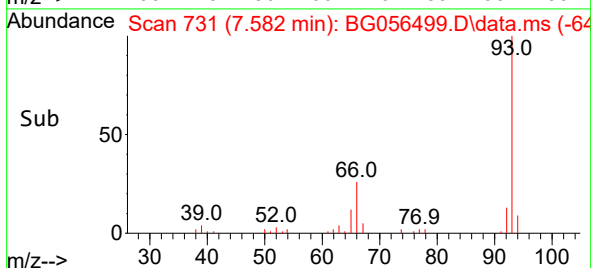
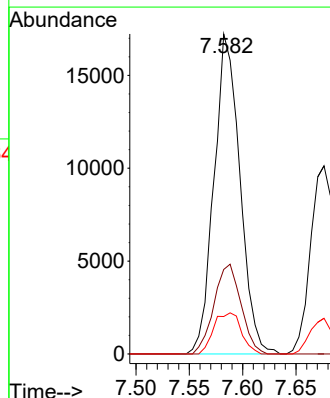
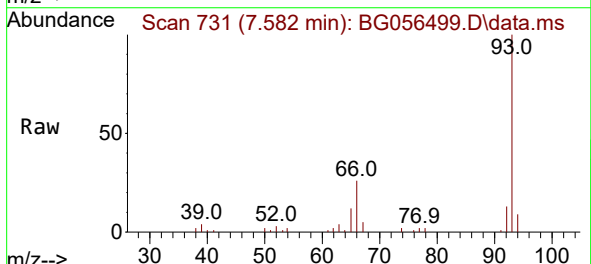
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

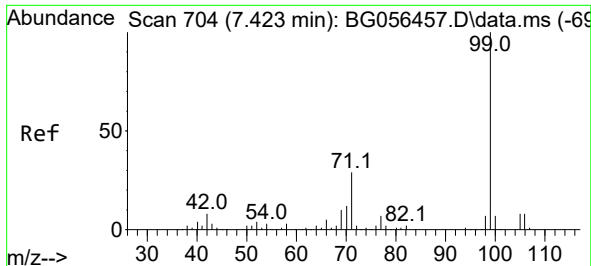
Tgt Ion:112 Resp: 183492
Ion Ratio Lower Upper
112 100
64 38.4 31.9 47.9
63 22.1 17.4 26.0



#6
Aniline
Concen: 8.346 ng
RT: 7.582 min Scan# 731
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion: 93 Resp: 29074
Ion Ratio Lower Upper
93 100
66 26.4 22.2 33.2
65 11.7 11.3 16.9

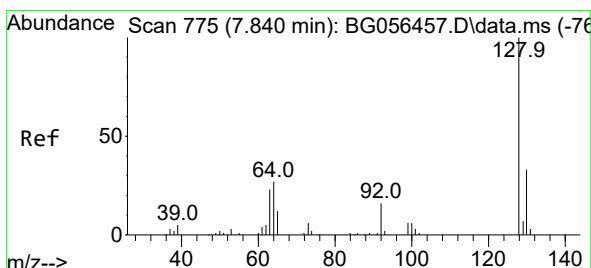
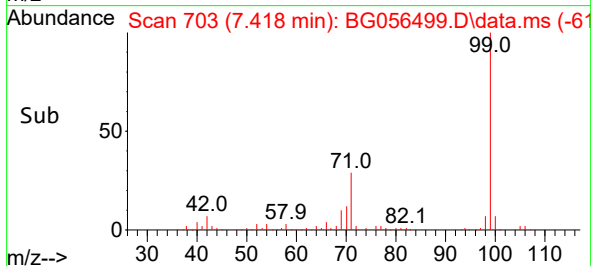
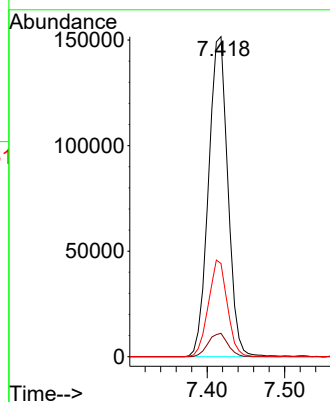
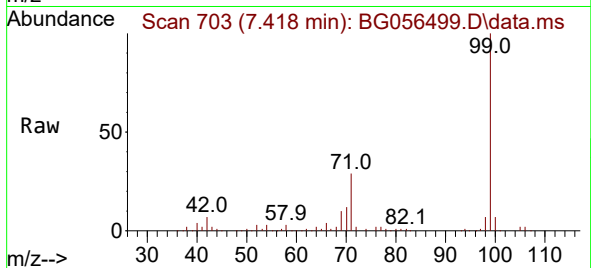




#7
Phenol-d6
Concen: 98.592 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

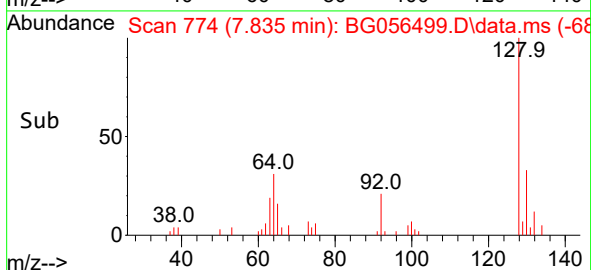
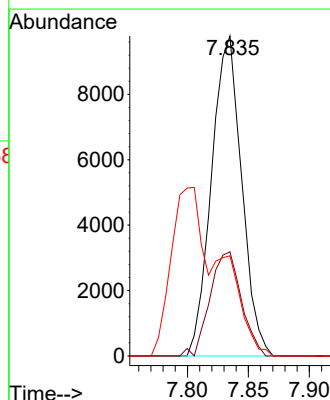
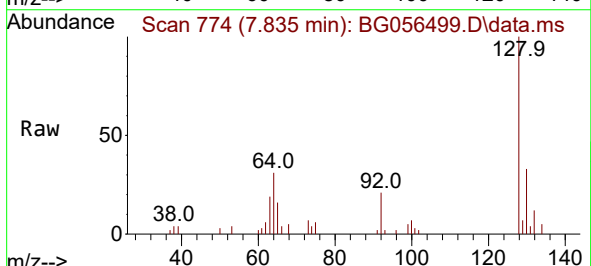
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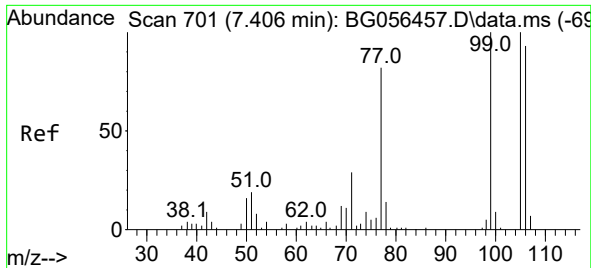
Tgt Ion: 99 Resp: 262340
Ion Ratio Lower Upper
99 100
42 7.3 6.6 10.0
71 29.1 23.4 35.0



#8
2-Chlorophenol
Concen: 8.512 ng
RT: 7.835 min Scan# 774
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:128 Resp: 16792
Ion Ratio Lower Upper
128 100
130 32.6 12.8 52.8
64 31.3 11.3 51.3

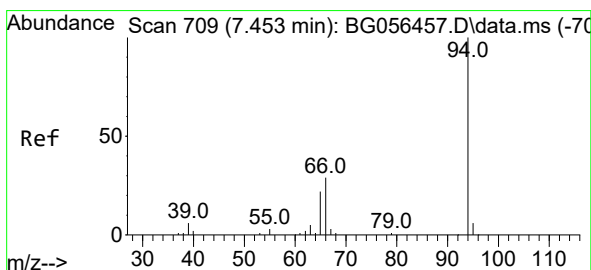
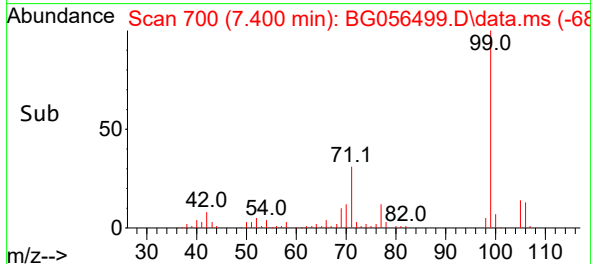
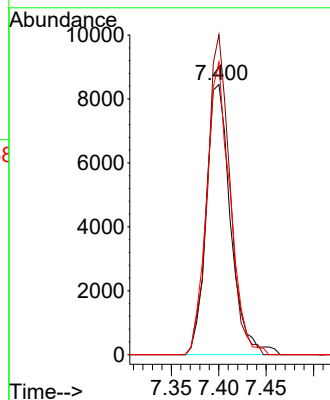
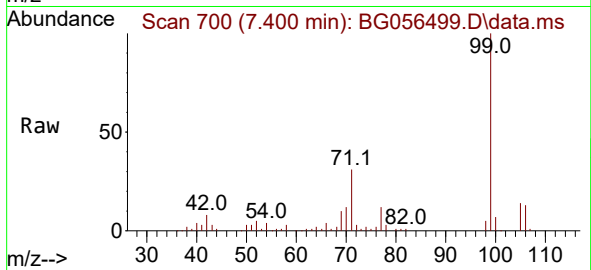




#9
Benzaldehyde
Concen: 9.829 ng
RT: 7.400 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

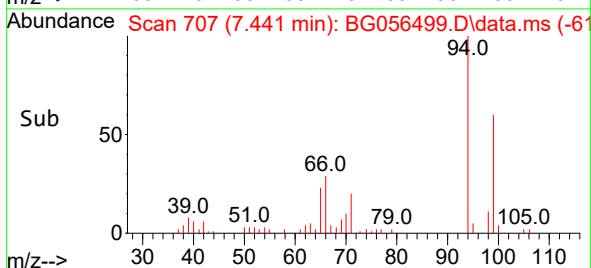
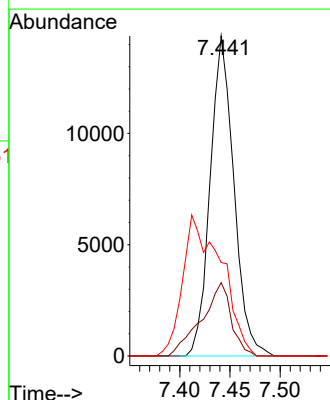
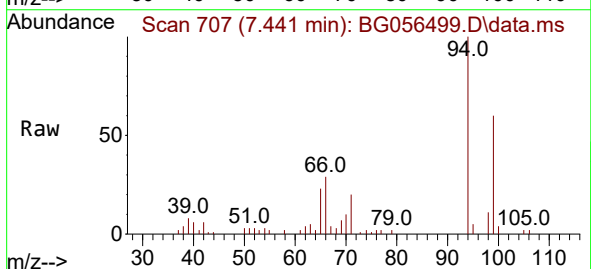
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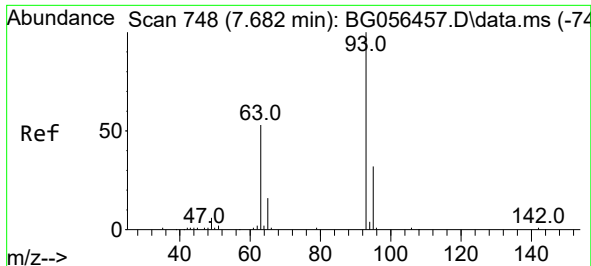
Tgt Ion: 77 Resp: 15169
Ion Ratio Lower Upper
77 100
105 118.5 101.8 141.8
106 108.3 93.0 133.0



#10
Phenol
Concen: 8.748 ng
RT: 7.441 min Scan# 707
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion: 94 Resp: 23658
Ion Ratio Lower Upper
94 100
65 22.9 2.3 42.3
66 29.2 11.2 51.2

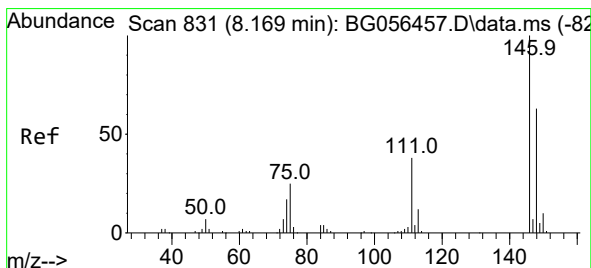
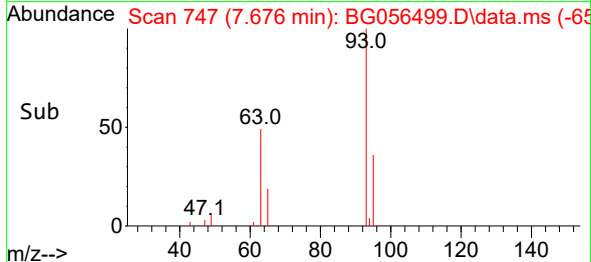
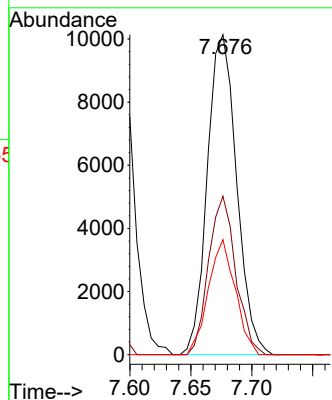
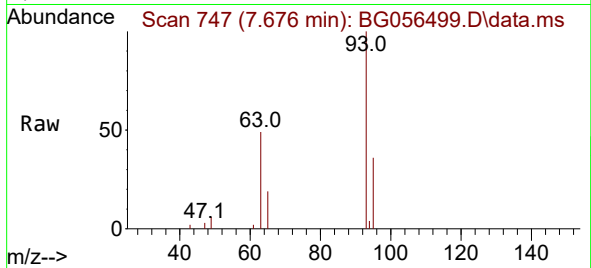




#11
bis(2-Chloroethyl)ether
Concen: 9.128 ng
RT: 7.676 min Scan# 74
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

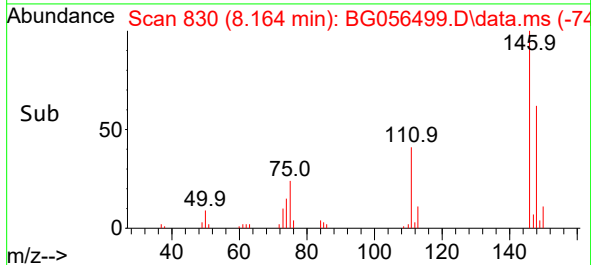
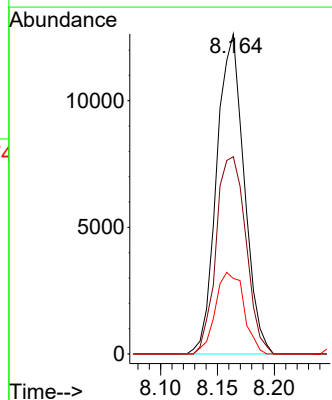
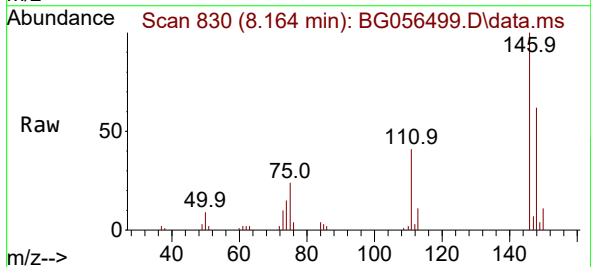
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

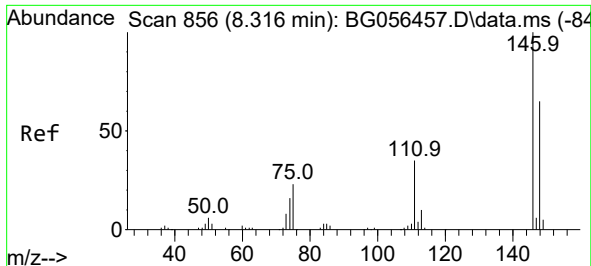
Tgt Ion: 93 Resp: 16968
Ion Ratio Lower Upper
93 100
63 49.5 32.4 72.4
95 36.0 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 9.321 ng
RT: 8.164 min Scan# 830
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:146 Resp: 21173
Ion Ratio Lower Upper
146 100
148 61.7 50.6 75.8
75 23.6 19.6 29.4

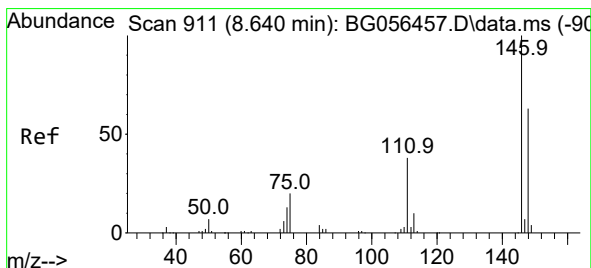
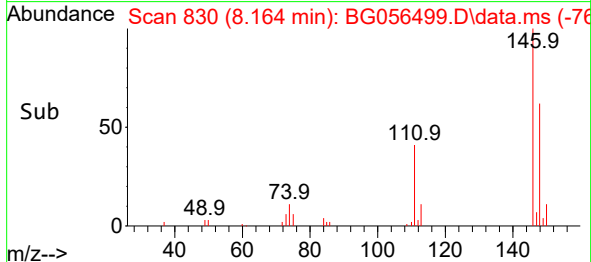
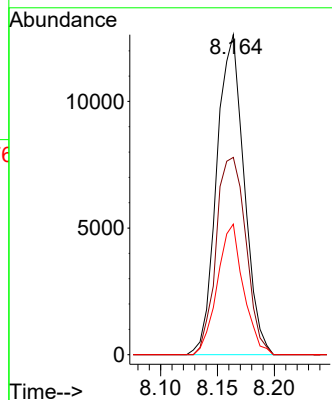
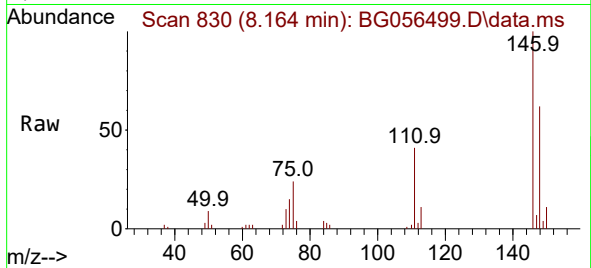




#13
1,4-Dichlorobenzene
Concen: 9.204 ng
RT: 8.164 min Scan# 81
Delta R.T. -0.147 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

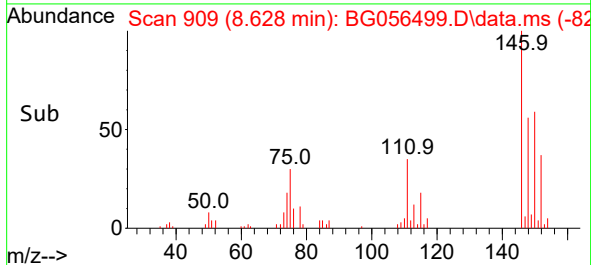
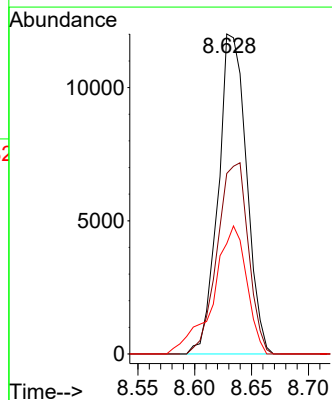
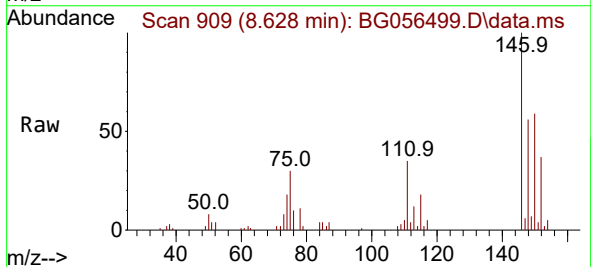
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

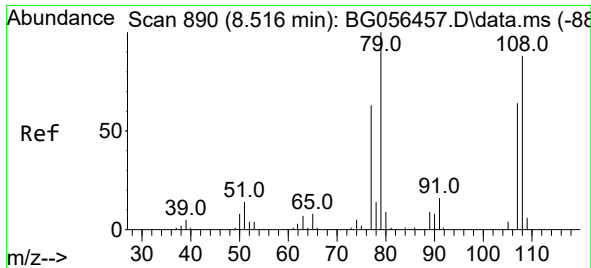
Tgt Ion:146 Resp: 21173
Ion Ratio Lower Upper
146 100
148 61.7 51.8 77.6
111 40.8 28.6 42.8



#14
1,2-Dichlorobenzene
Concen: 9.308 ng
RT: 8.628 min Scan# 909
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:146 Resp: 20773
Ion Ratio Lower Upper
146 100
148 56.4 50.1 75.1
111 34.5 30.9 46.3

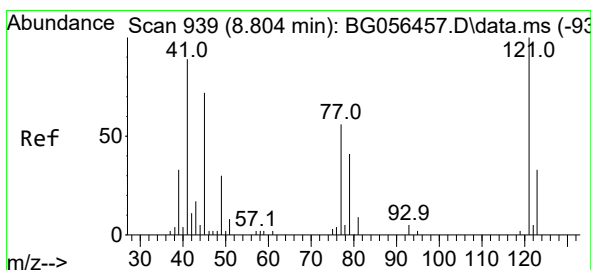
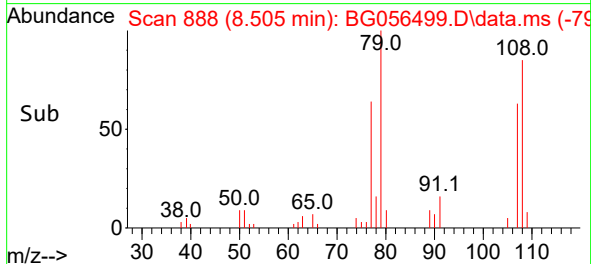
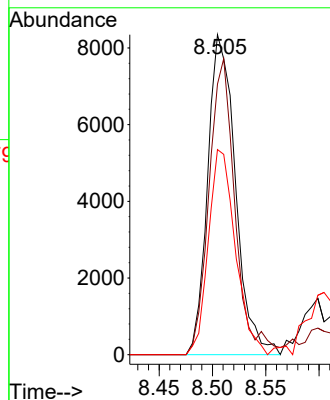
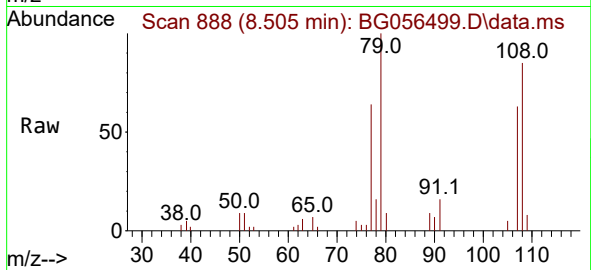




#15
Benzyl Alcohol
Concen: 8.271 ng
RT: 8.505 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

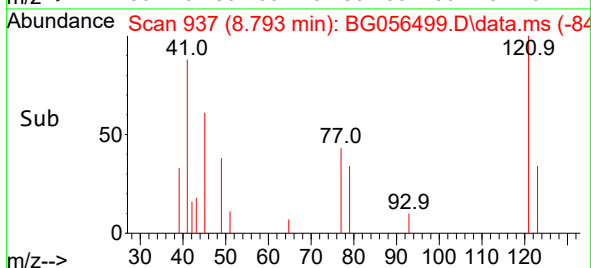
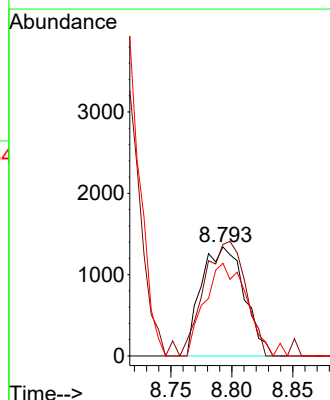
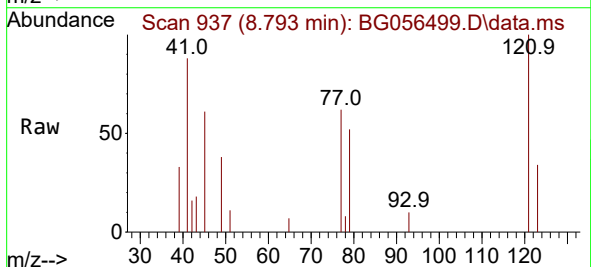
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

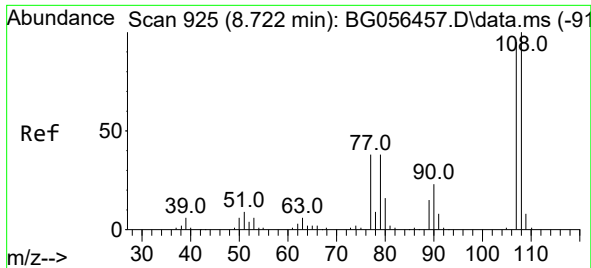
Tgt Ion: 79 Resp: 15100
Ion Ratio Lower Upper
79 100
108 84.6 70.1 105.1
77 64.1 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.340 ng
RT: 8.793 min Scan# 937
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion: 45 Resp: 3285
Ion Ratio Lower Upper
45 100
77 102.2 62.1 102.1#
79 85.0 42.7 82.7#

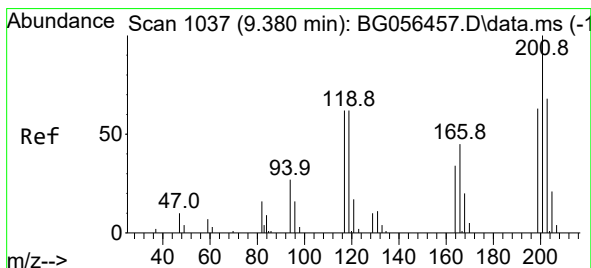
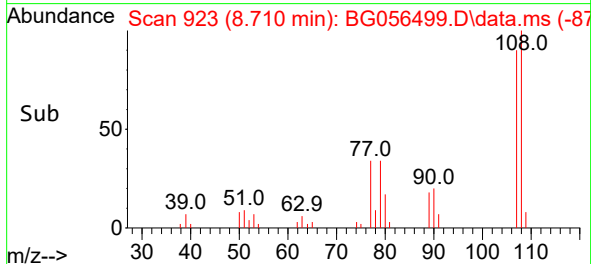
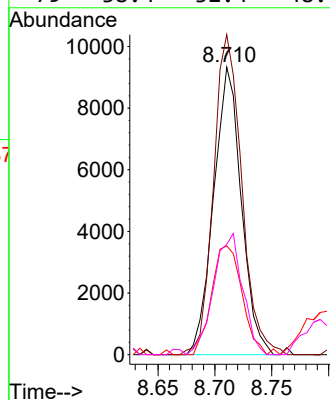
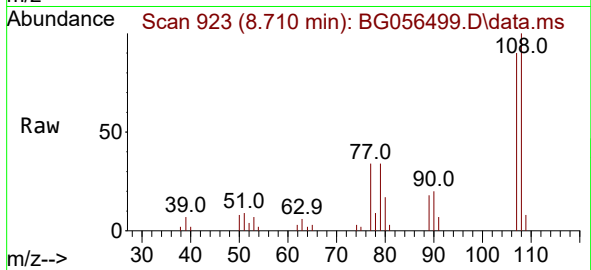




#17
2-Methylphenol
Concen: 7.683 ng
RT: 8.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

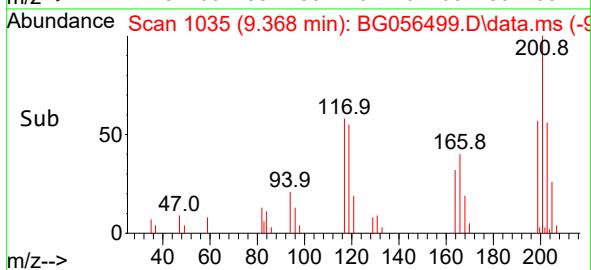
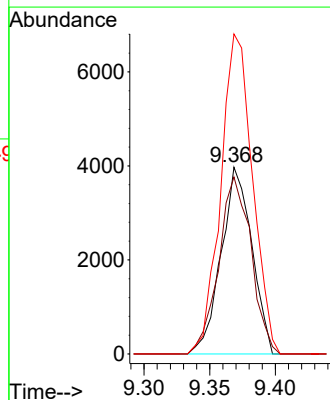
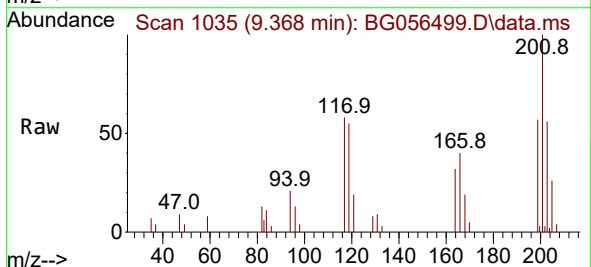
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

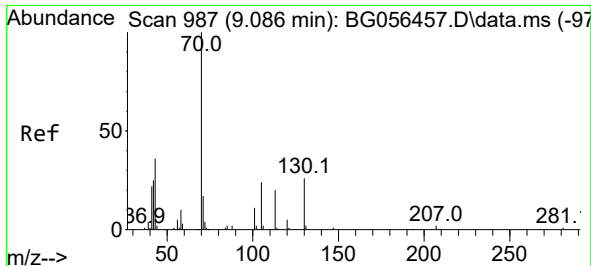
Tgt Ion:107 Resp: 15808
Ion Ratio Lower Upper
107 100
108 111.3 83.9 125.9
77 37.8 31.6 47.4
79 38.4 32.4 48.6



#18
Hexachloroethane
Concen: 9.281 ng
RT: 9.368 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:117 Resp: 6457
Ion Ratio Lower Upper
117 100
119 94.8 79.4 119.0
201 171.3 128.5 192.7

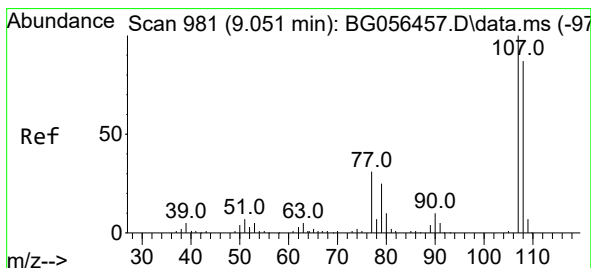
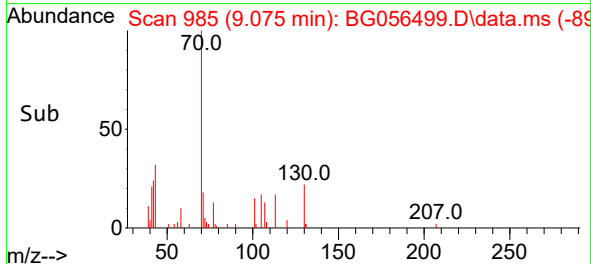
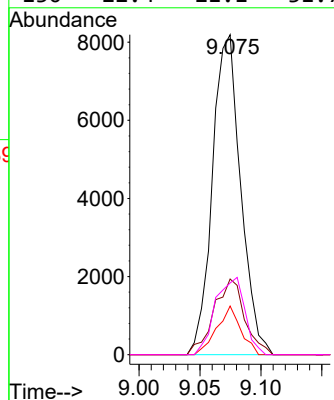
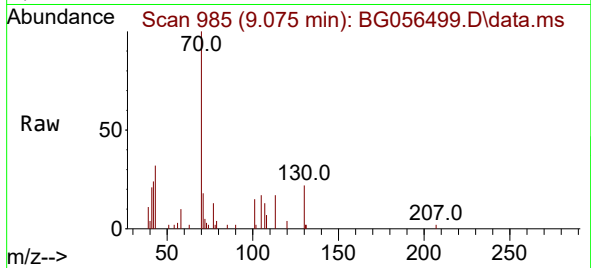




#19
n-Nitroso-di-n-propylamine
Concen: 8.617 ng
RT: 9.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

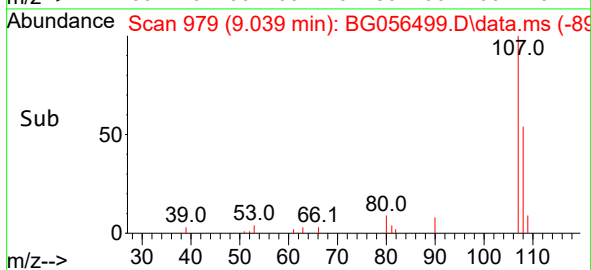
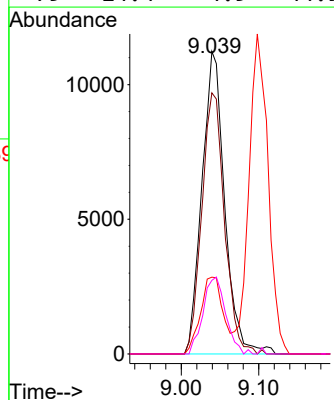
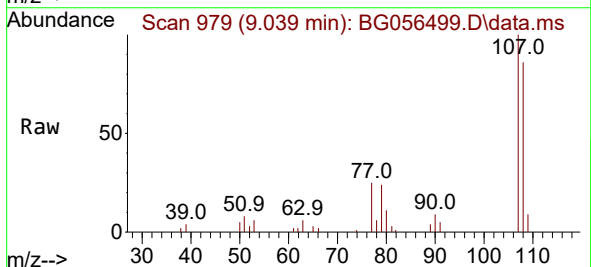
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

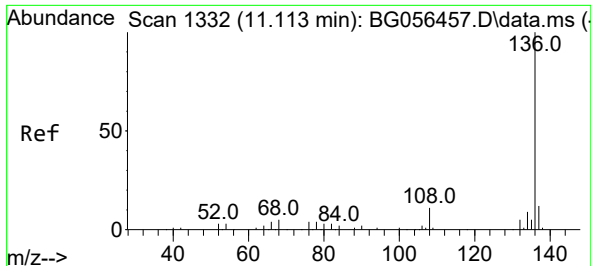
Tgt Ion: 70 Resp: 13213
Ion Ratio Lower Upper
70 100
42 23.7 20.2 30.4
101 15.2 9.1 13.7#
130 22.4 21.1 31.7



#20
3+4-Methylphenols
Concen: 7.929 ng
RT: 9.039 min Scan# 979
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion: 107 Resp: 22861
Ion Ratio Lower Upper
107 100
108 86.3 66.7 106.7
77 25.4 10.6 50.6
79 24.4 4.9 44.9

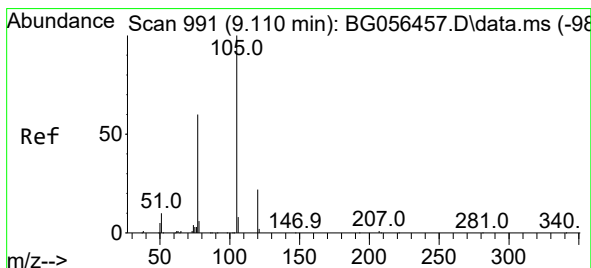
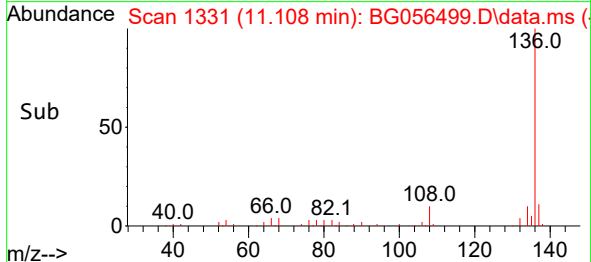
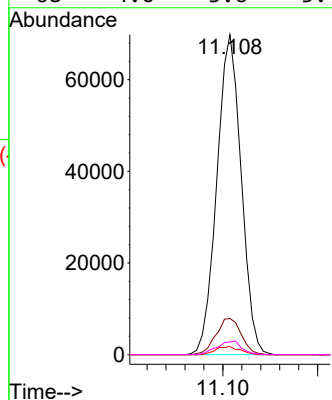
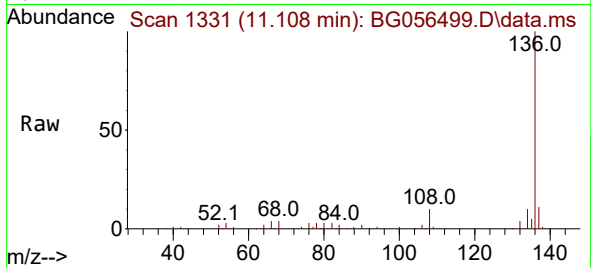




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

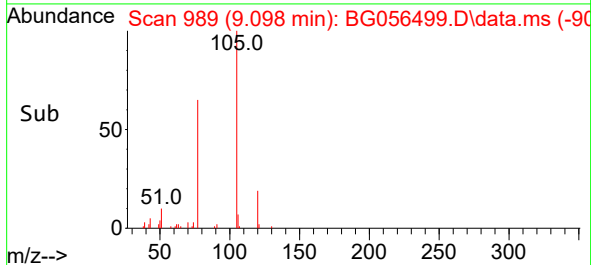
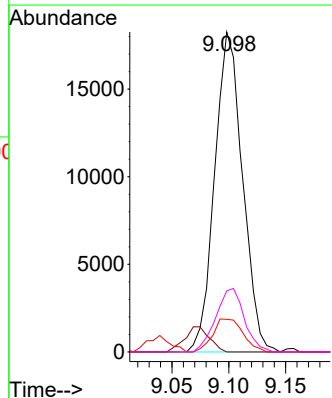
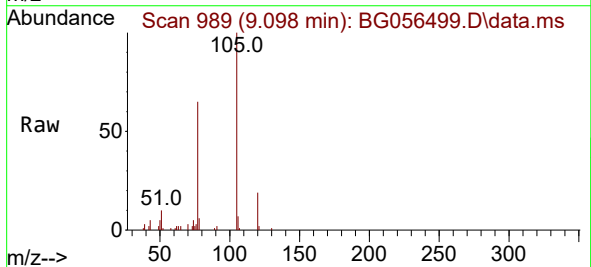
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

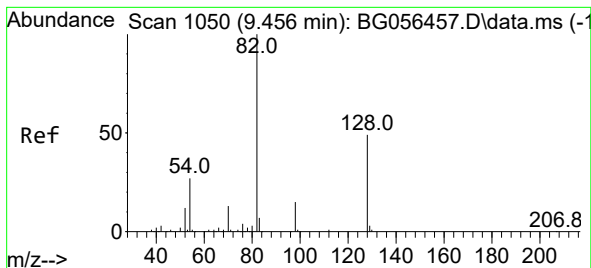
Tgt	Ion:136	Resp:	124461
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	2.5	2.2	3.4
68	4.0	3.6	5.4



#22
Acetophenone
Concen: 9.409 ng
RT: 9.098 min Scan# 989
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt	Ion:105	Resp:	31114
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	0.8#
51	10.2	9.2	13.8
120	19.1	17.4	26.0





#23

Nitrobenzene-d5

Concen: 70.607 ng

RT: 9.451 min Scan# 1049

Delta R.T. -0.006 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

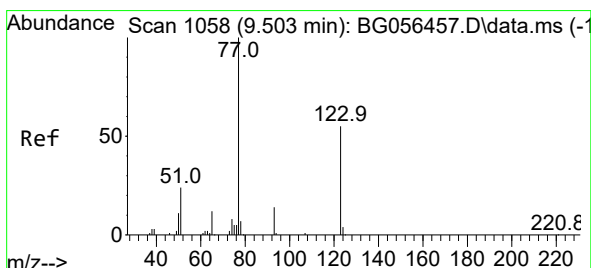
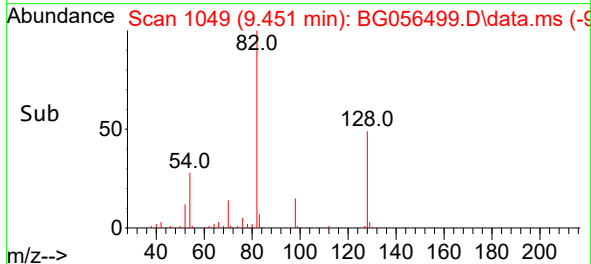
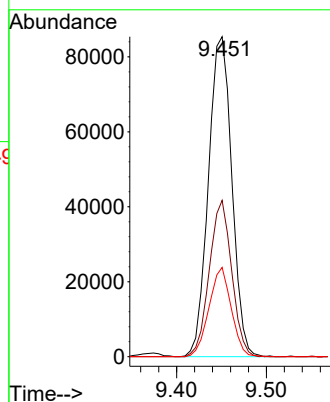
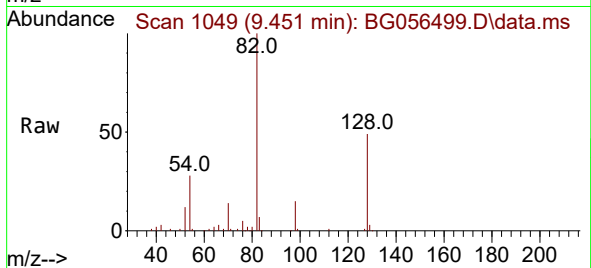
Tgt Ion: 82 Resp: 154756

Ion Ratio Lower Upper

82 100

128 48.9 39.4 59.2

54 27.9 21.4 32.2



#24

Nitrobenzene

Concen: 9.477 ng

RT: 9.492 min Scan# 1056

Delta R.T. -0.006 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

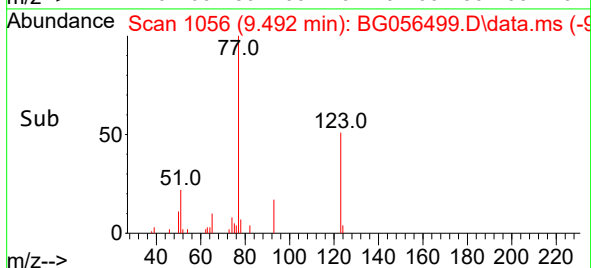
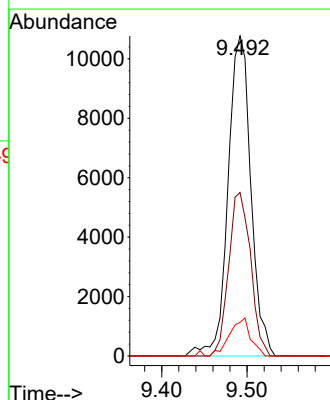
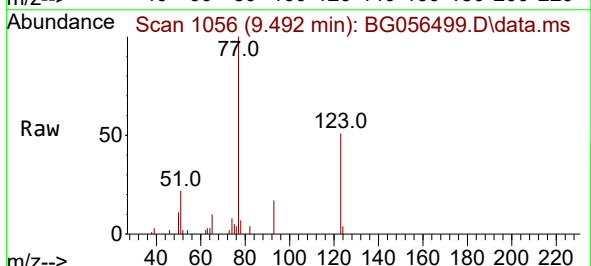
Tgt Ion: 77 Resp: 20035

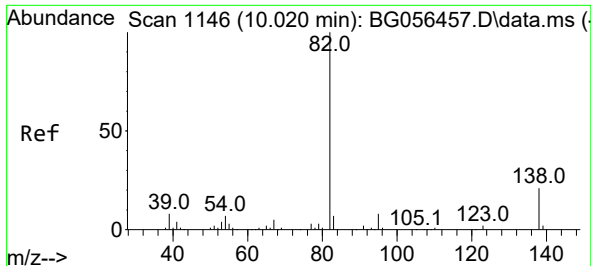
Ion Ratio Lower Upper

77 100

123 51.1 44.0 66.0

65 10.5 9.7 14.5

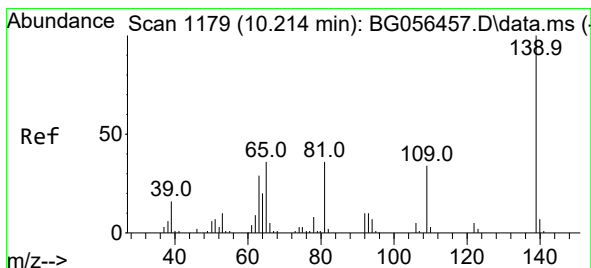
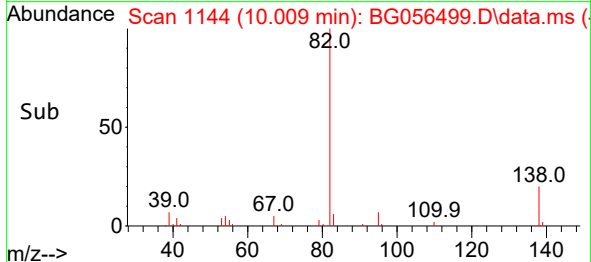
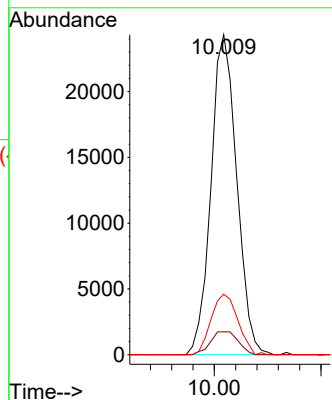
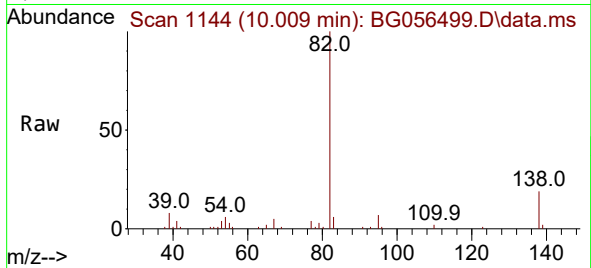




#25
Isophorone
Concen: 8.998 ng
RT: 10.009 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

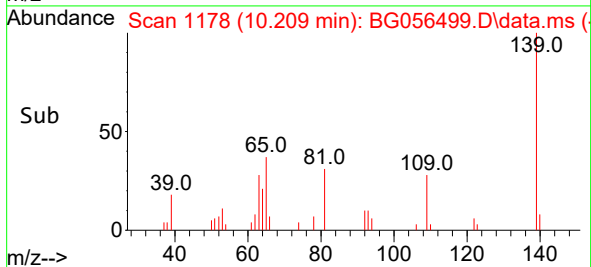
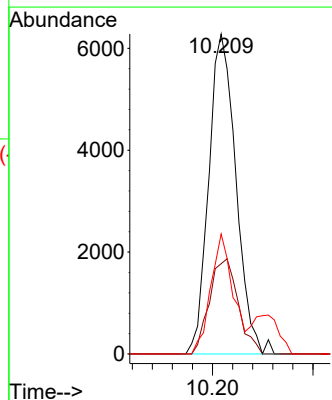
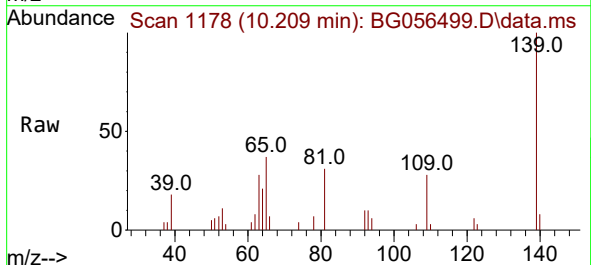
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

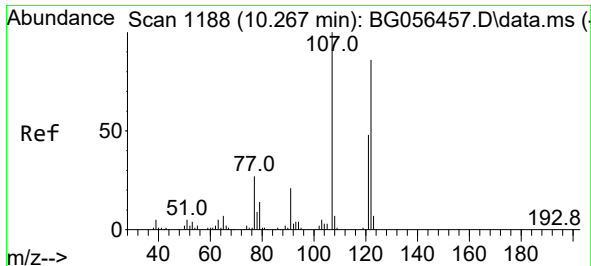
Tgt Ion: 82 Resp: 40687
Ion Ratio Lower Upper
82 100
95 7.1 6.3 9.5
138 18.9 16.6 25.0



#26
2-Nitrophenol
Concen: 9.228 ng
RT: 10.209 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:139 Resp: 11837
Ion Ratio Lower Upper
139 100
109 28.2 26.9 40.3
65 37.5 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 8.004 ng

RT: 10.256 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

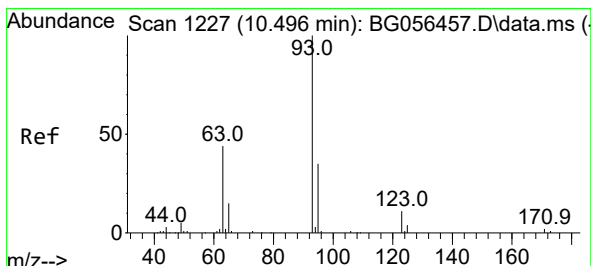
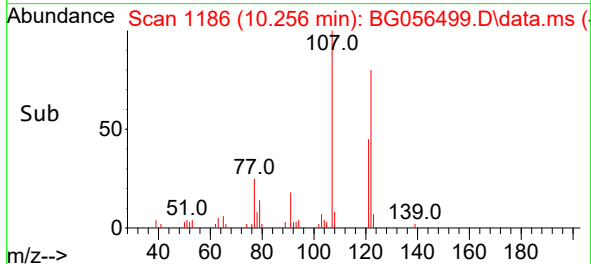
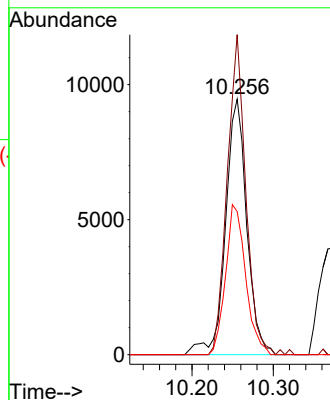
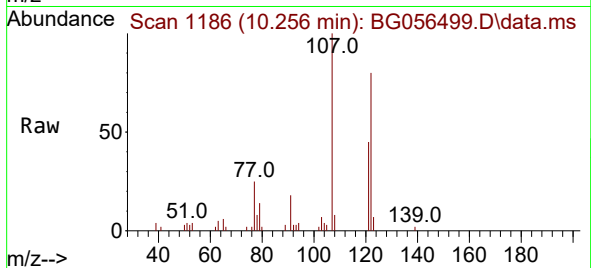
Tgt Ion:122 Resp: 17182

Ion Ratio Lower Upper

122 100

107 125.2 92.9 139.3

121 56.0 45.0 67.4



#28

bis(2-Chloroethoxy)methane

Concen: 9.184 ng

RT: 10.491 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

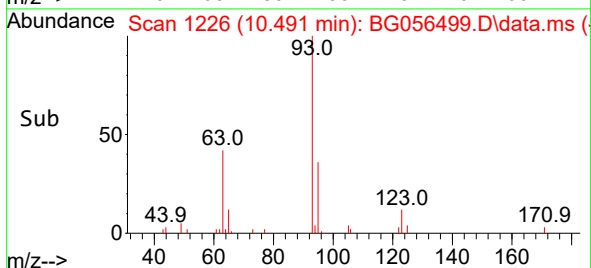
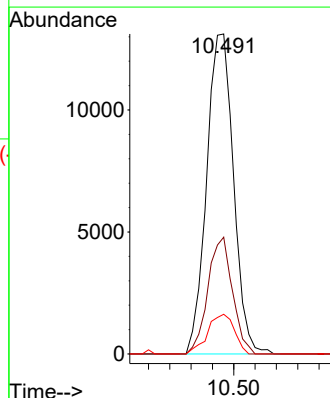
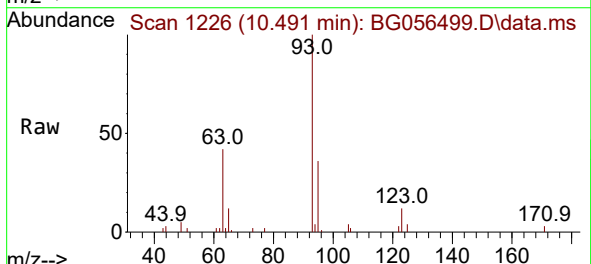
Tgt Ion: 93 Resp: 22942

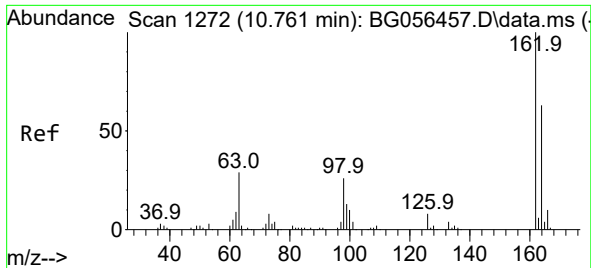
Ion Ratio Lower Upper

93 100

95 36.5 27.9 41.9

123 12.4 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 8.880 ng

RT: 10.755 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

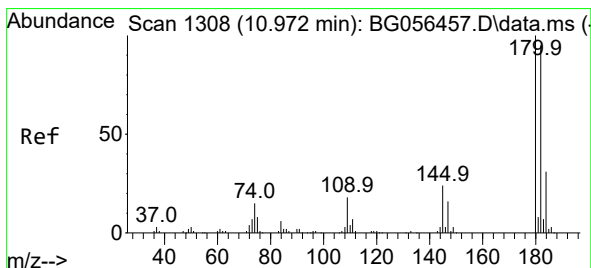
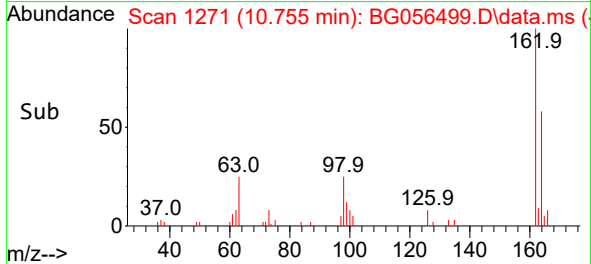
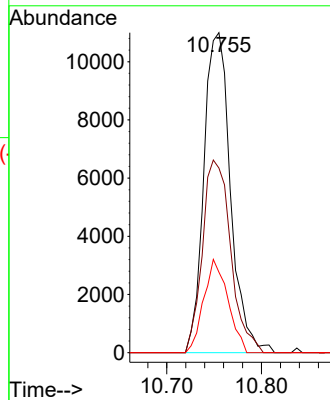
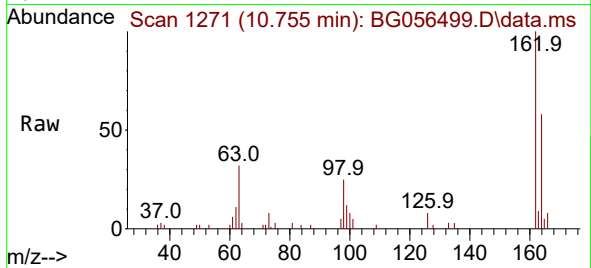
Tgt Ion:162 Resp: 21458

Ion Ratio Lower Upper

162 100

164 57.7 42.8 82.8

98 25.1 6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 9.482 ng

RT: 10.967 min Scan# 1307

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

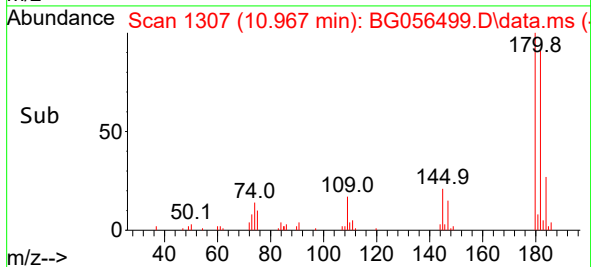
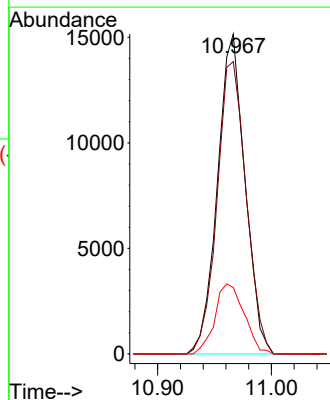
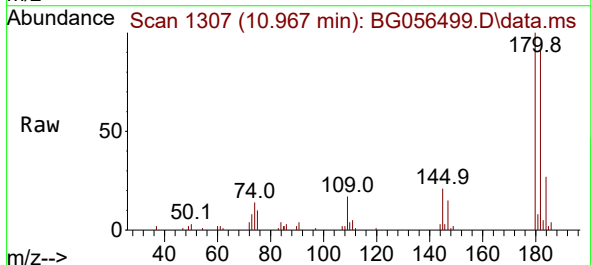
Tgt Ion:180 Resp: 25462

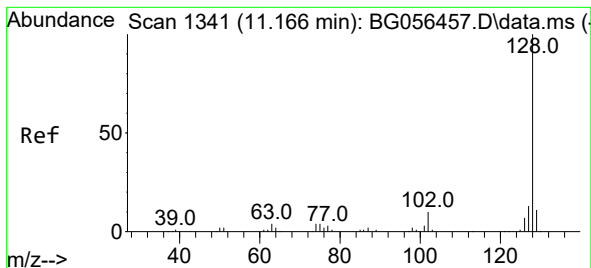
Ion Ratio Lower Upper

180 100

182 91.3 75.9 113.9

145 24.0 19.4 29.0





#31

Naphthalene

Concen: 9.134 ng

RT: 11.160 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

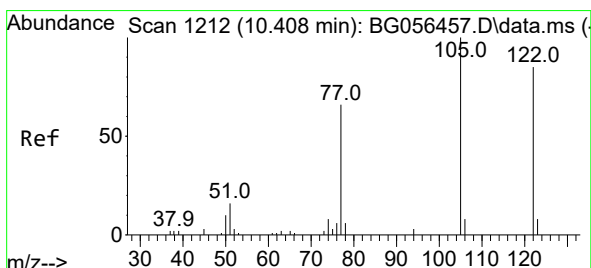
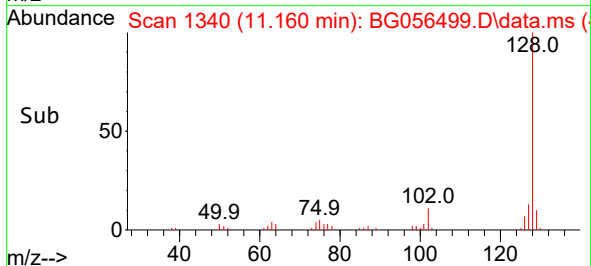
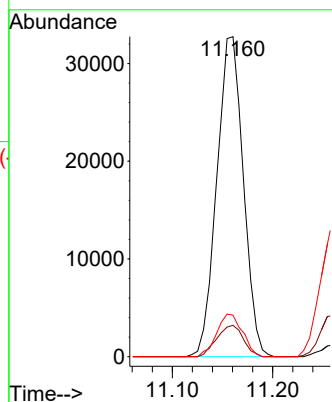
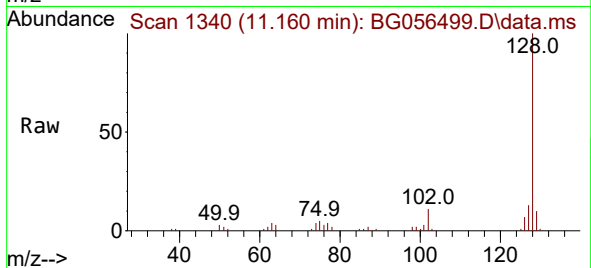
Tgt Ion:128 Resp: 60003

Ion Ratio Lower Upper

128 100

129 9.8 8.7 13.1

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 7.700 ng

RT: 10.373 min Scan# 1206

Delta R.T. -0.029 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

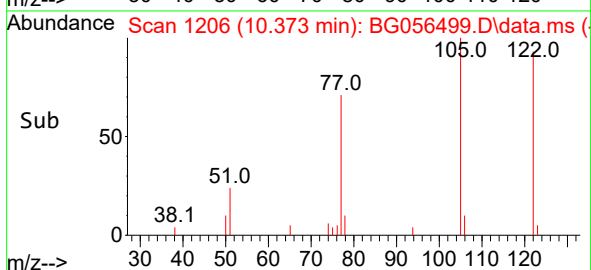
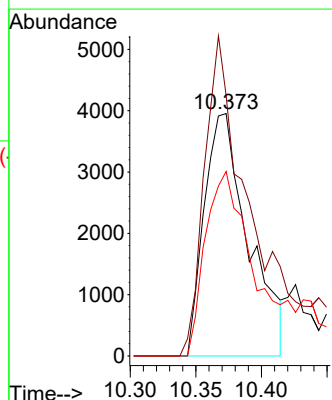
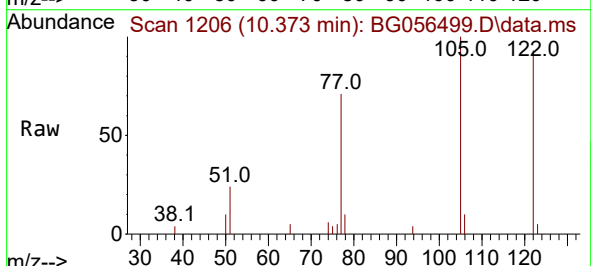
Tgt Ion:122 Resp: 9248

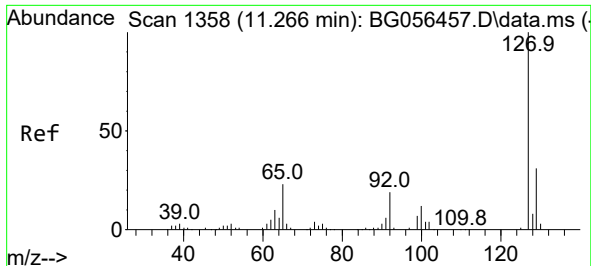
Ion Ratio Lower Upper

122 100

105 107.4 96.5 136.5

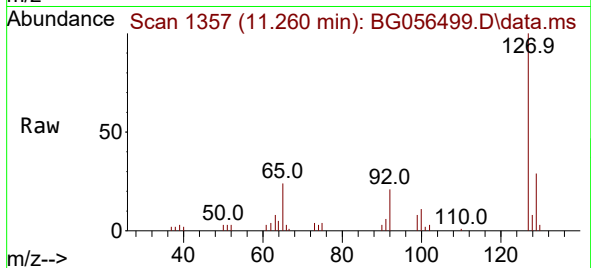
77 76.1 57.3 97.3



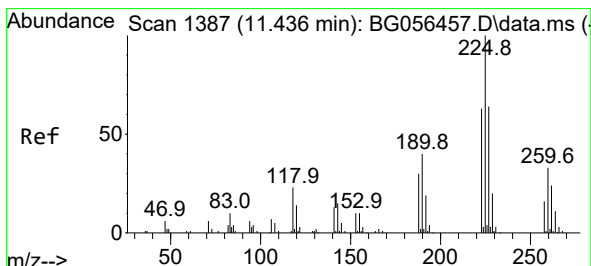
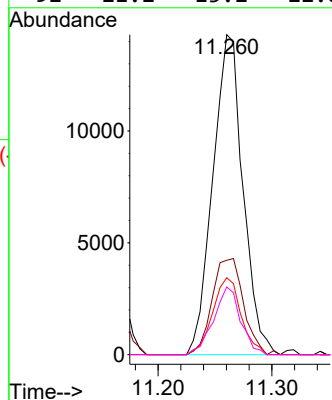
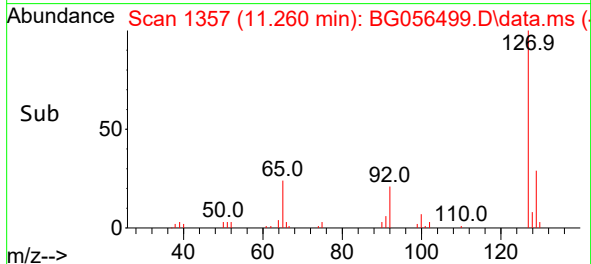


#33
4-Chloroaniline
Concen: 8.589 ng
RT: 11.260 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

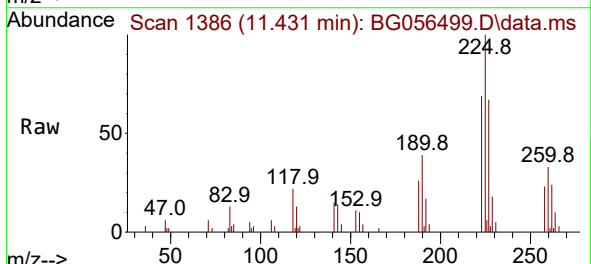
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022



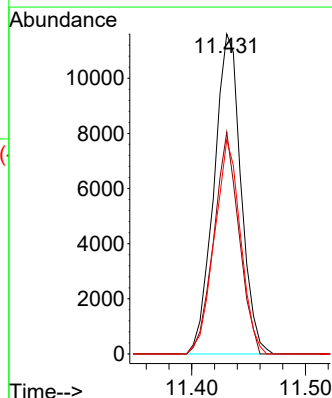
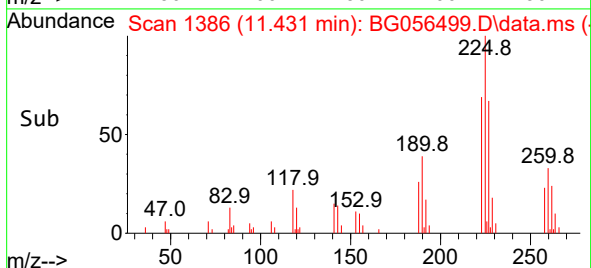
Tgt Ion:	127	Resp:	26336
Ion	Ratio	Lower	Upper
127	100		
129	29.5	25.0	37.6
65	24.1	18.5	27.7
92	21.2	15.2	22.8

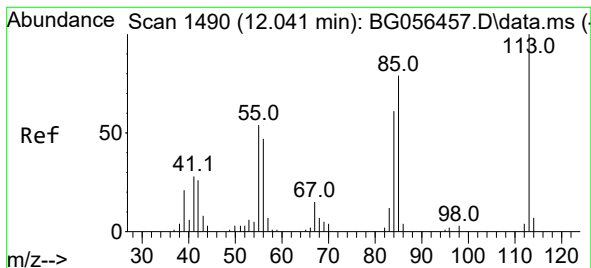


#34
Hexachlorobutadiene
Concen: 10.153 ng
RT: 11.431 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11



Tgt Ion:	225	Resp:	19137
Ion	Ratio	Lower	Upper
225	100		
223	65.3	50.6	75.8
227	65.8	53.7	80.5





#35

Caprolactam

Concen: 8.158 ng

RT: 12.007 min Scan# 14

Delta R.T. -0.023 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

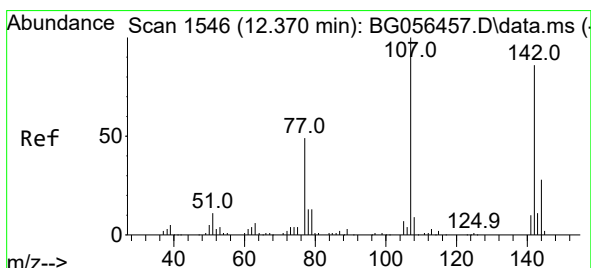
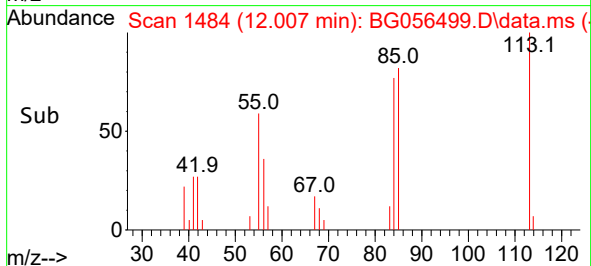
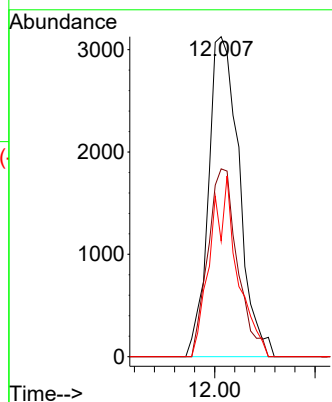
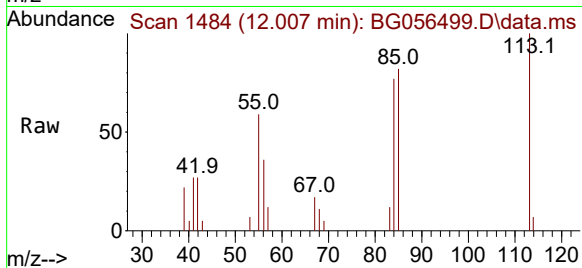
Tgt Ion:113 Resp: 6648

Ion Ratio Lower Upper

113 100

55 58.7 33.7 73.7

56 36.2 27.1 67.1



#36

4-Chloro-3-methylphenol

Concen: 8.285 ng

RT: 12.359 min Scan# 1544

Delta R.T. -0.006 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

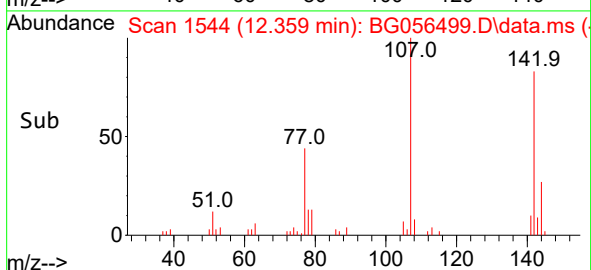
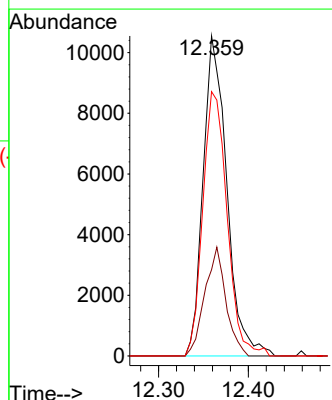
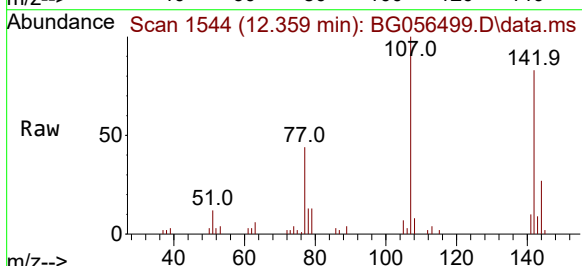
Tgt Ion:107 Resp: 19333

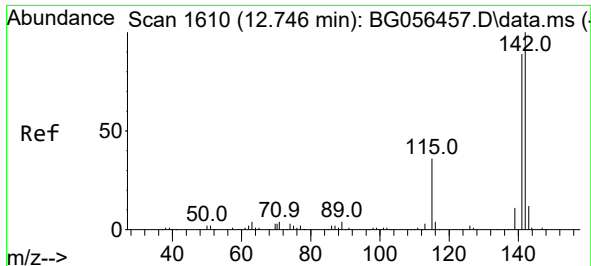
Ion Ratio Lower Upper

107 100

144 26.9 22.3 33.5

142 82.6 68.9 103.3

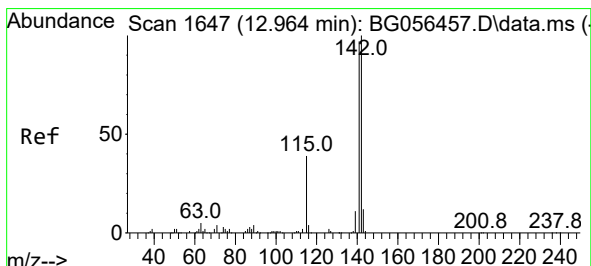
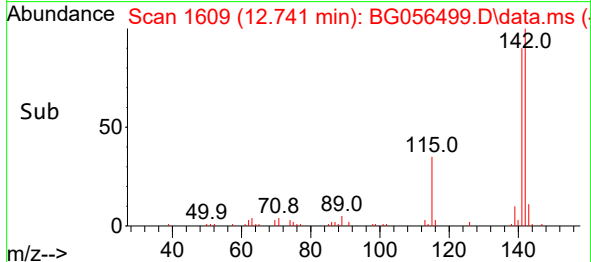
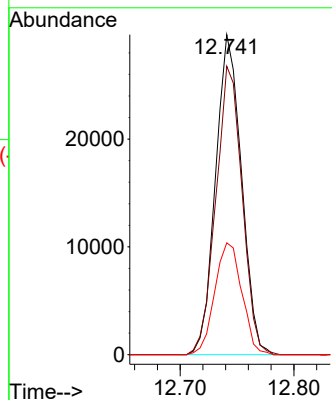
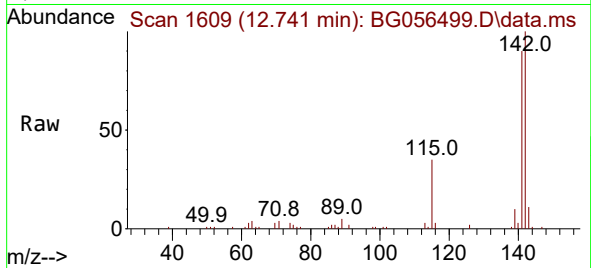




#37
2-Methylnaphthalene
Concen: 8.691 ng
RT: 12.741 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

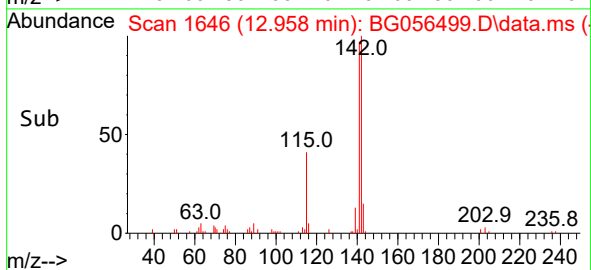
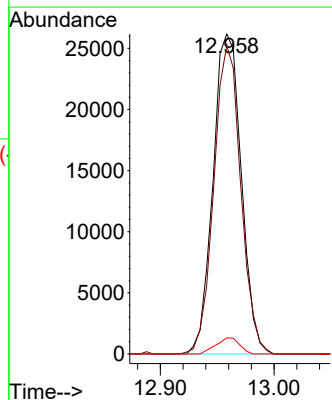
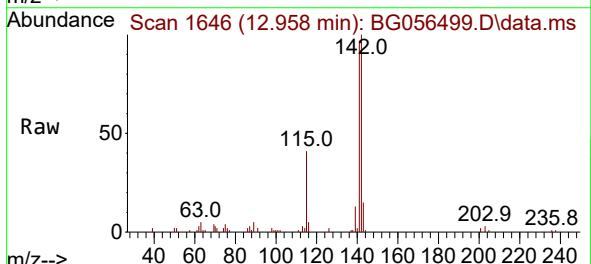
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

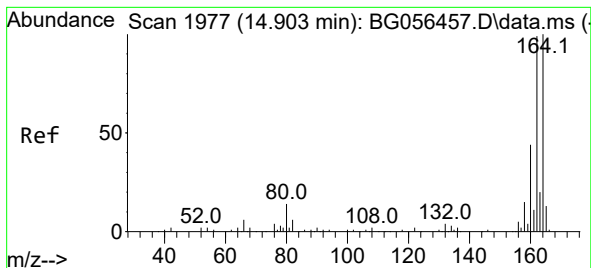
Tgt Ion:142 Resp: 47069
Ion Ratio Lower Upper
142 100
141 90.1 71.4 107.0
115 34.9 28.4 42.6



#38
1-Methylnaphthalene
Concen: 8.933 ng
RT: 12.958 min Scan# 1646
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:142 Resp: 45184
Ion Ratio Lower Upper
142 100
141 96.5 77.7 116.5
116 5.1 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.897 min Scan# 1976

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

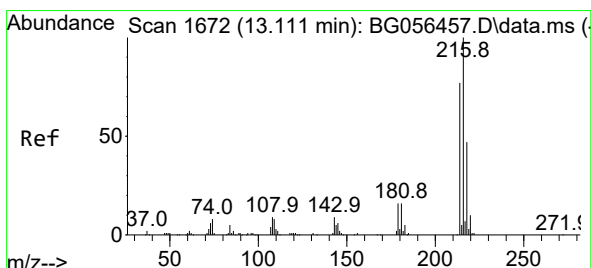
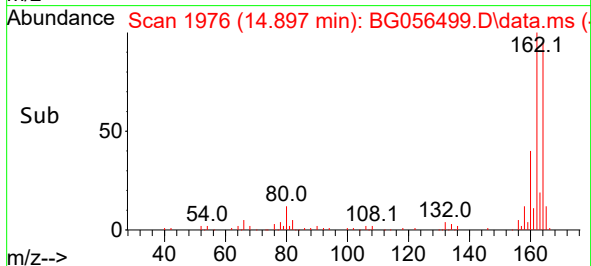
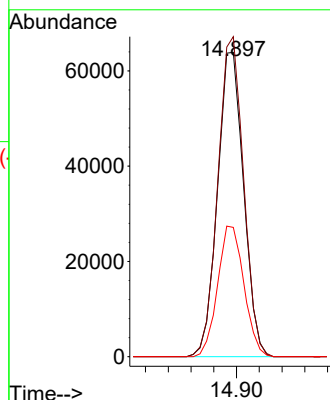
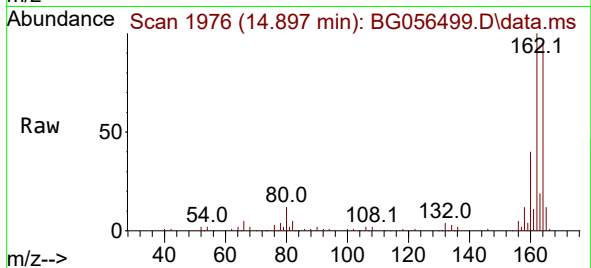
Tgt Ion:164 Resp: 101755

Ion Ratio Lower Upper

164 100

162 105.1 79.6 119.4

160 42.5 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.570 ng

RT: 13.105 min Scan# 1671

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Tgt Ion:216 Resp: 35576

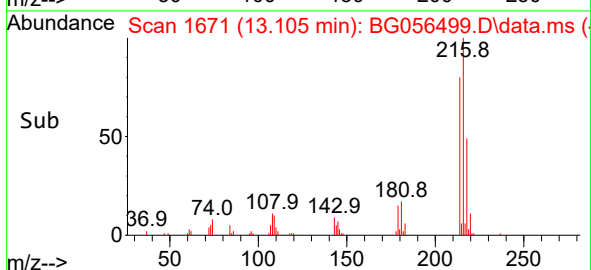
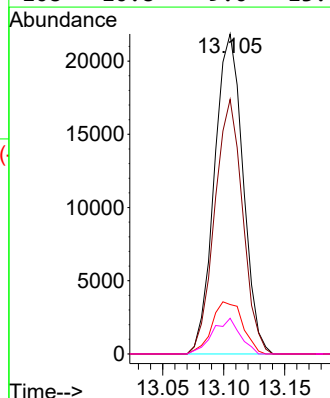
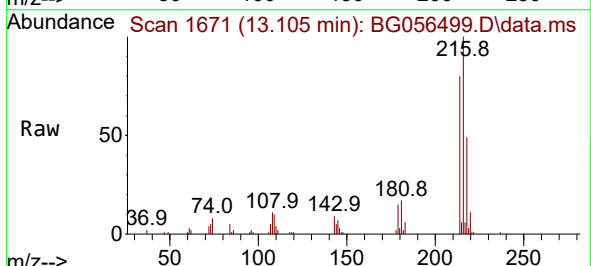
Ion Ratio Lower Upper

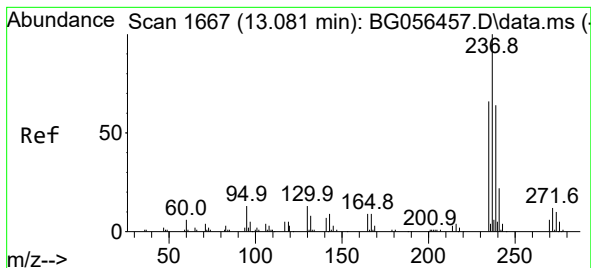
216 100

214 78.0 63.0 94.6

179 17.6 14.1 21.1

108 10.8 9.0 13.6





#41

Hexachlorocyclopentadiene

Concen: 11.518 ng

RT: 13.076 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

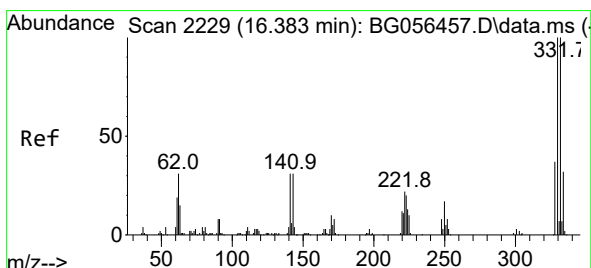
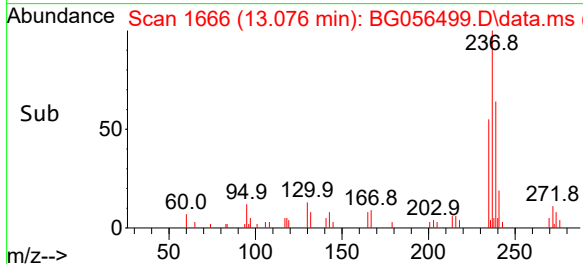
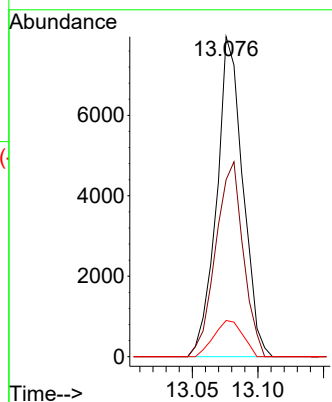
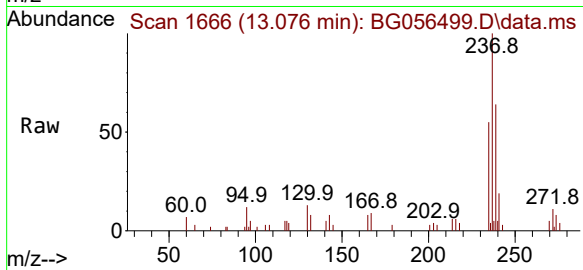
Tgt Ion:237 Resp: 11020

Ion Ratio Lower Upper

237 100

235 55.3 45.6 85.6

272 11.3 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 103.578 ng

RT: 16.378 min Scan# 2228

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

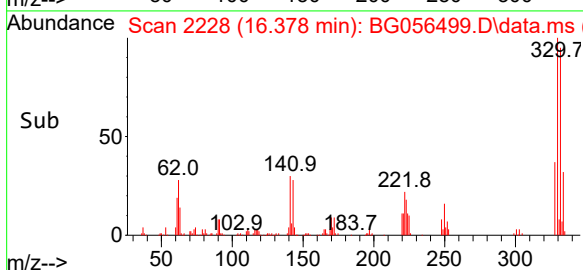
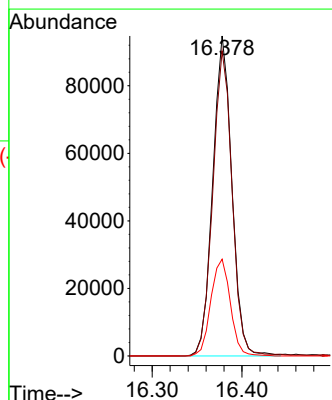
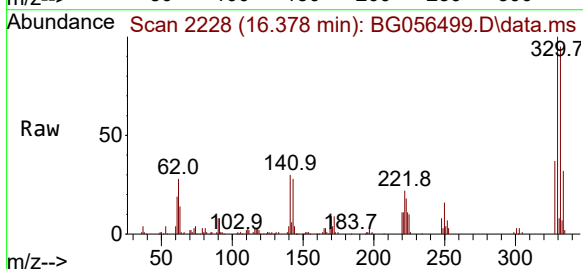
Tgt Ion:330 Resp: 140117

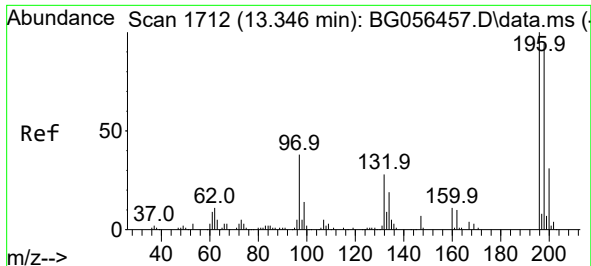
Ion Ratio Lower Upper

330 100

332 96.6 79.0 118.6

141 30.8 24.2 36.4

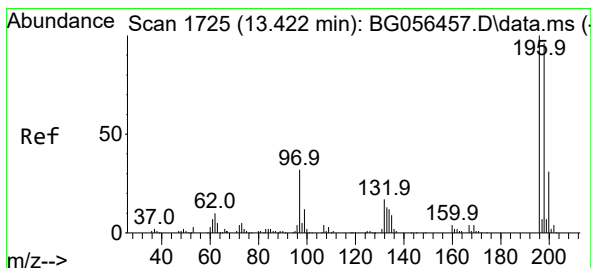
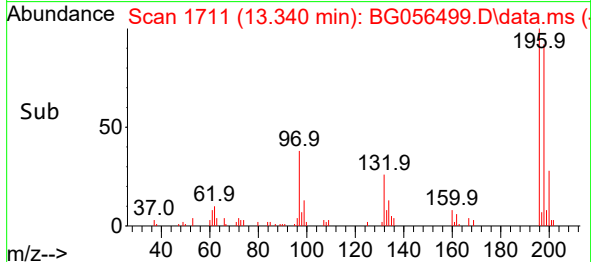
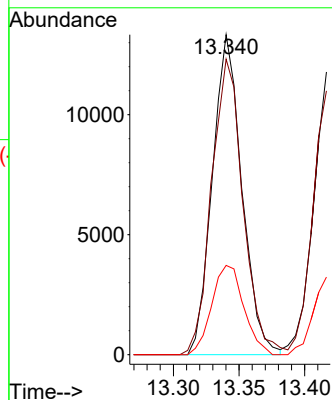
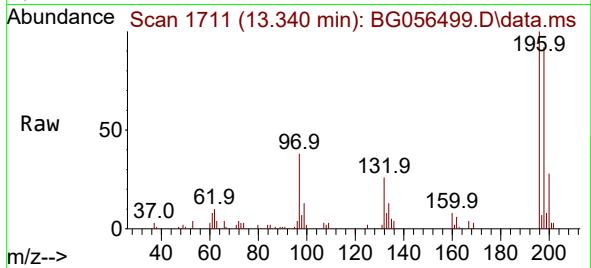




#43
2,4,6-Trichlorophenol
Concen: 8.707 ng
RT: 13.340 min Scan# 1711
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

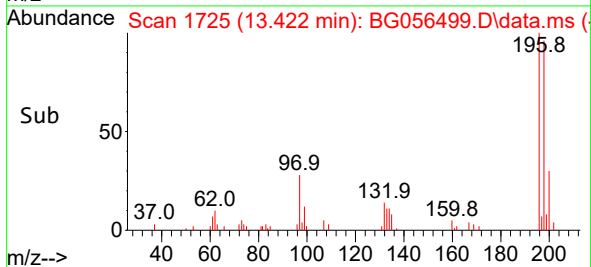
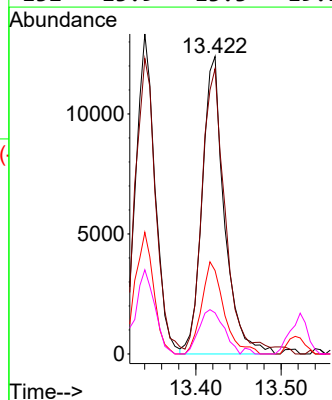
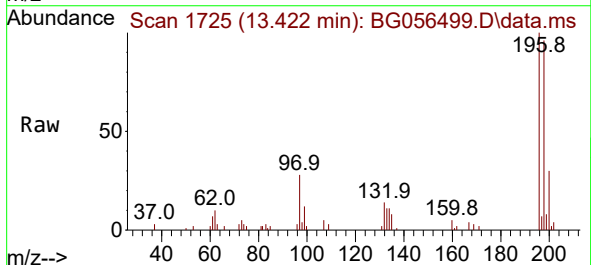
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

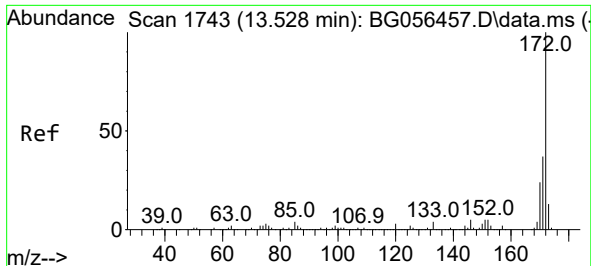
Tgt Ion:196 Resp: 20859
Ion Ratio Lower Upper
196 100
198 92.3 75.4 113.0
200 27.9 25.0 37.6



#44
2,4,5-Trichlorophenol
Concen: 7.994 ng
RT: 13.422 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:196 Resp: 22423
Ion Ratio Lower Upper
196 100
198 95.9 76.9 115.3
97 28.0 25.8 38.6
132 13.9 13.3 19.9

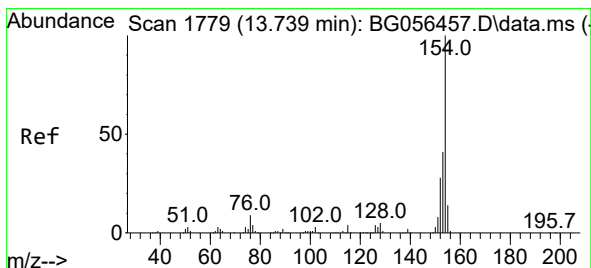
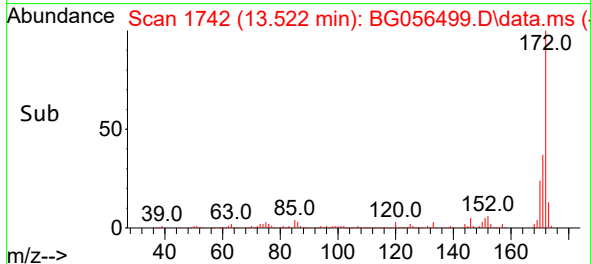
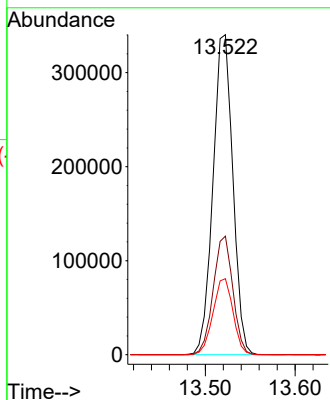
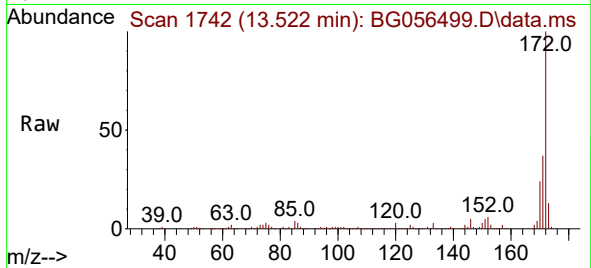




#45
2-Fluorobiphenyl
Concen: 71.185 ng
RT: 13.522 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

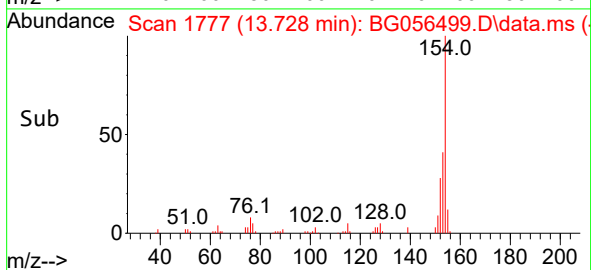
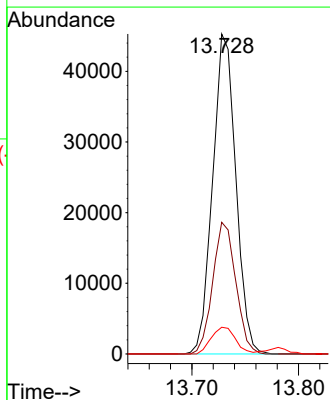
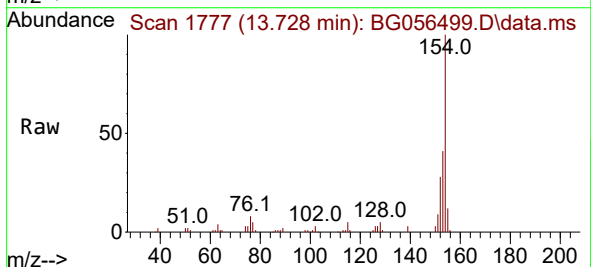
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

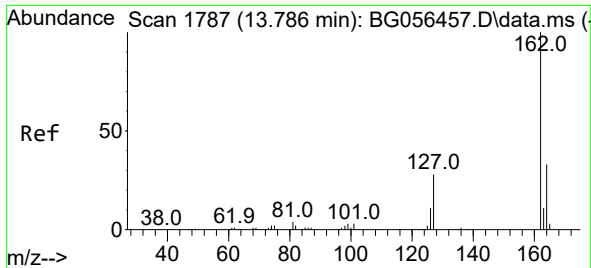
Tgt Ion:172 Resp: 522454
Ion Ratio Lower Upper
172 100
171 37.1 29.5 44.3
170 23.8 19.2 28.8



#46
1,1'-Biphenyl
Concen: 9.242 ng
RT: 13.728 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:154 Resp: 68213
Ion Ratio Lower Upper
154 100
153 41.2 21.5 61.5
76 8.4 0.0 28.8

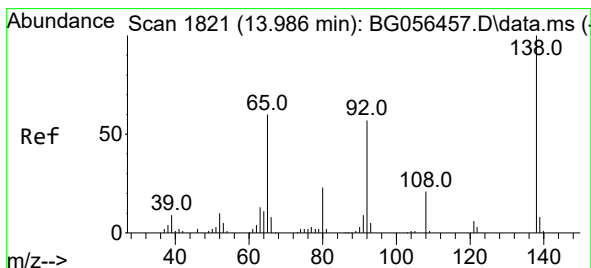
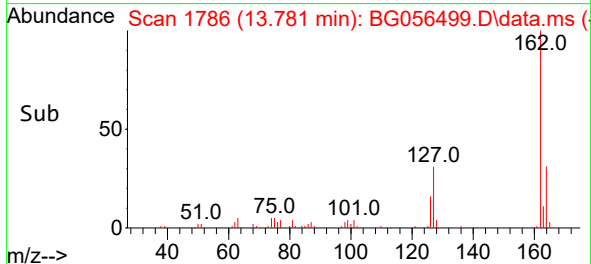
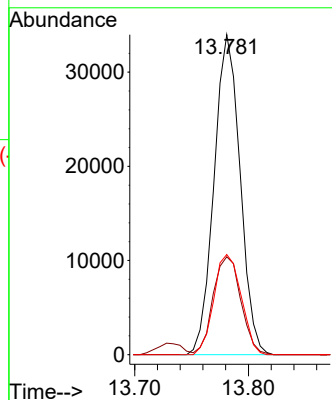
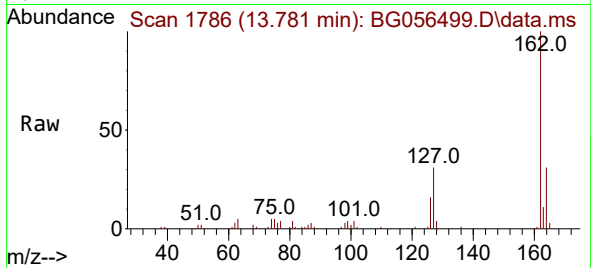




#47
2-Chloronaphthalene
Concen: 9.365 ng
RT: 13.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

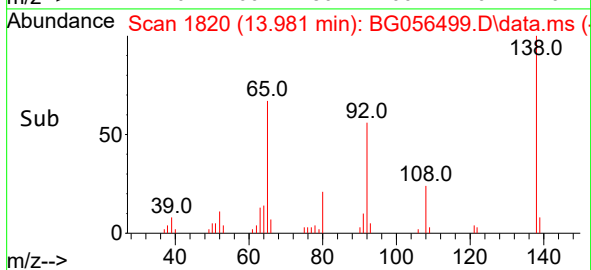
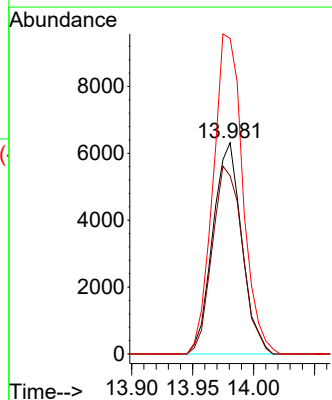
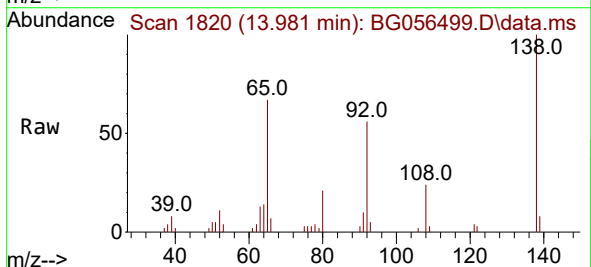
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

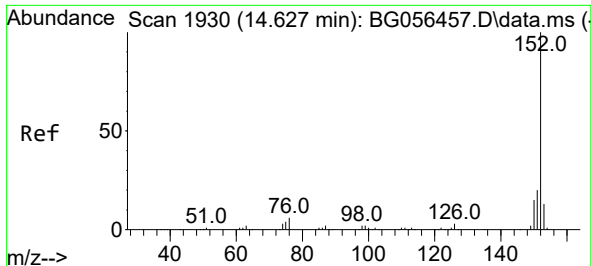
Tgt Ion:162 Resp: 54027
Ion Ratio Lower Upper
162 100
127 30.6 25.2 37.8
164 31.3 26.2 39.2



#48
2-Nitroaniline
Concen: 8.765 ng
RT: 13.981 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion: 65 Resp: 10453
Ion Ratio Lower Upper
65 100
92 84.3 75.8 113.6
138 149.4 133.2 199.8

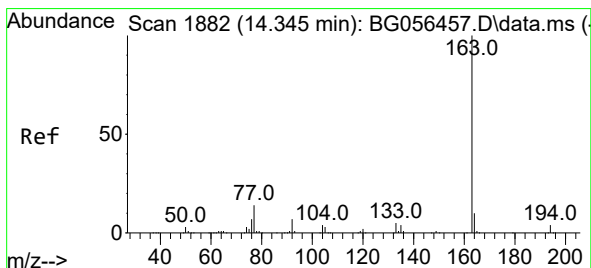
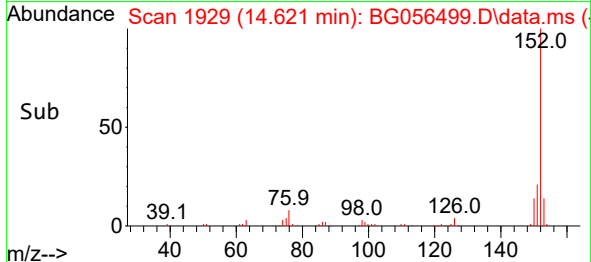
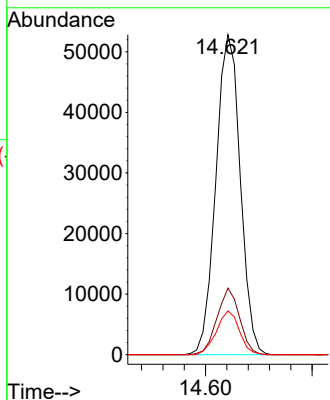
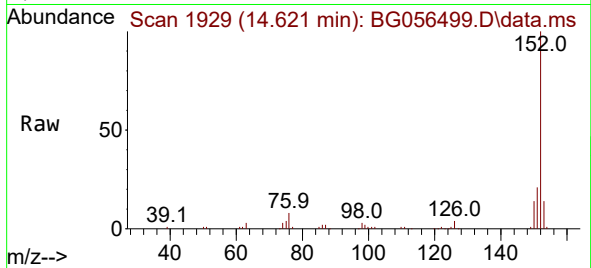




#49
Acenaphthylene
Concen: 8.916 ng
RT: 14.621 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

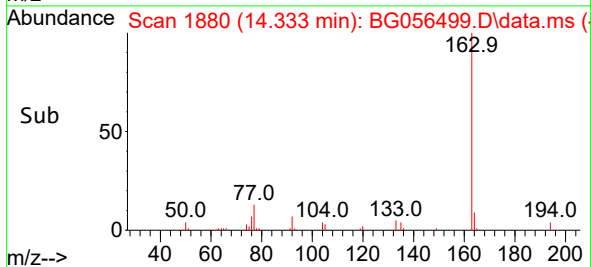
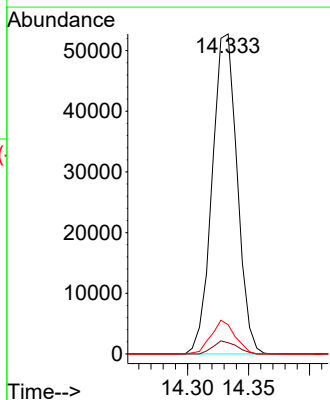
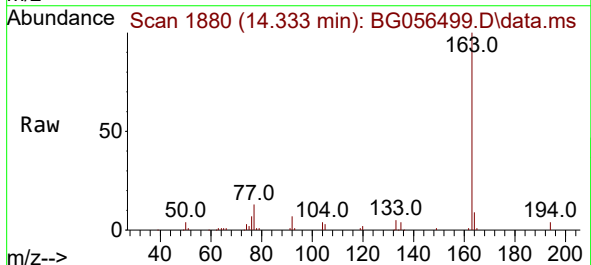
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

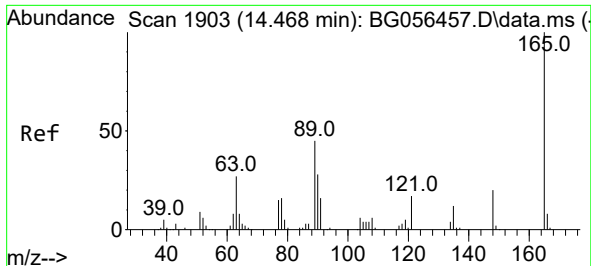
Tgt Ion:152 Resp: 83684
Ion Ratio Lower Upper
152 100
151 20.8 15.9 23.9
153 13.7 10.5 15.7



#50
Dimethylphthalate
Concen: 9.139 ng
RT: 14.333 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:163 Resp: 75232
Ion Ratio Lower Upper
163 100
194 3.5 3.5 5.3#
164 9.2 8.1 12.1

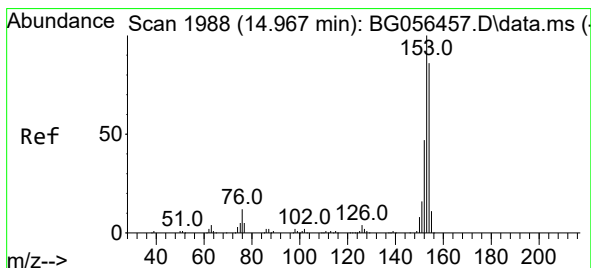
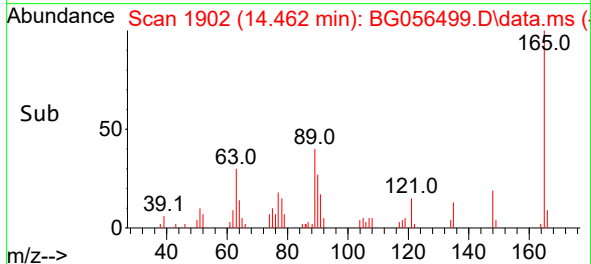
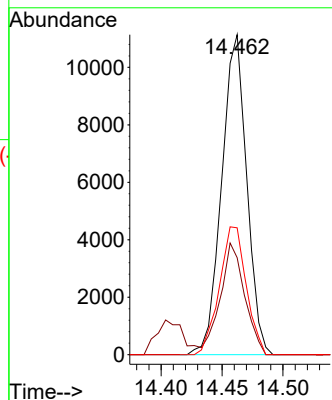
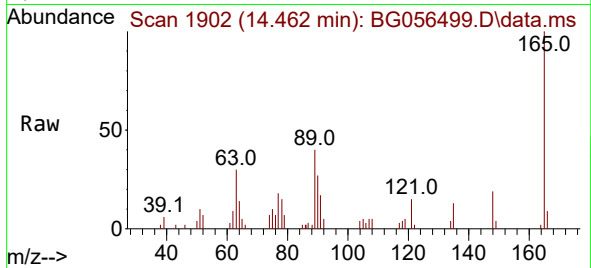




#51
2,6-Dinitrotoluene
Concen: 8.867 ng
RT: 14.462 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

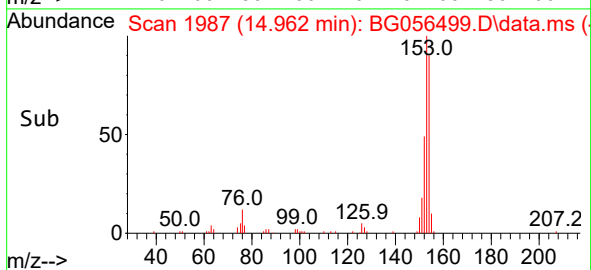
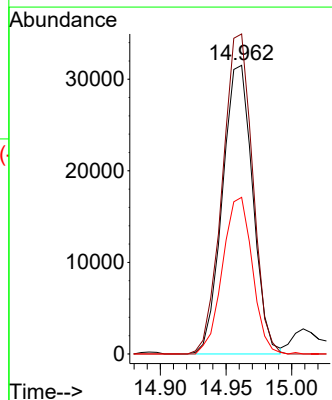
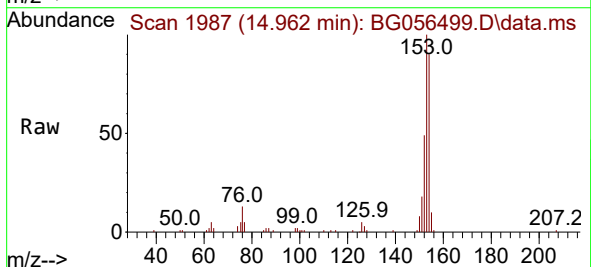
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

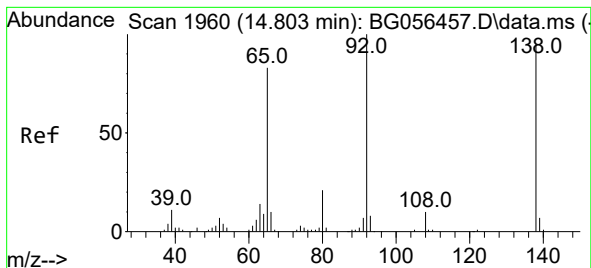
Tgt Ion:165 Resp: 15918
Ion Ratio Lower Upper
165 100
63 30.3 26.9 40.3
89 39.7 35.6 53.4



#52
Acenaphthene
Concen: 9.096 ng
RT: 14.962 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

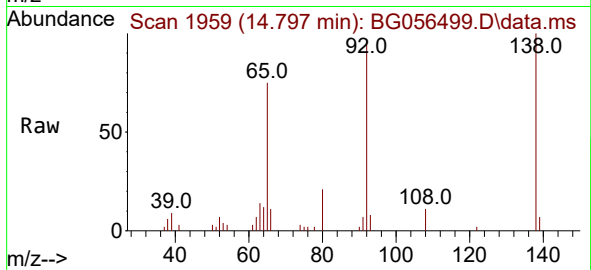
Tgt Ion:154 Resp: 50629
Ion Ratio Lower Upper
154 100
153 110.9 93.4 140.0
152 54.3 43.4 65.2



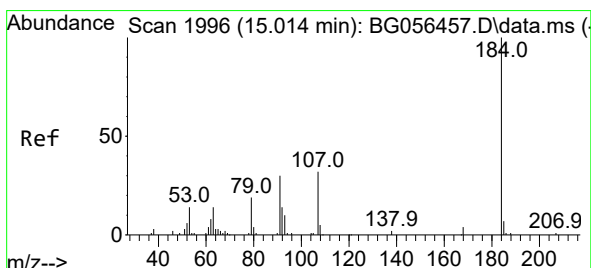
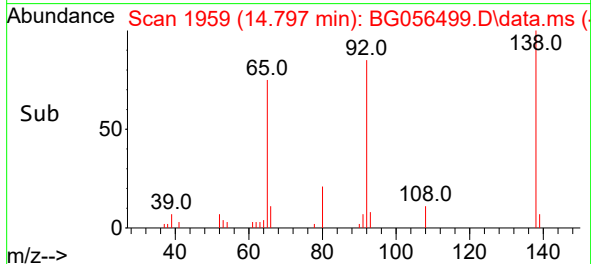
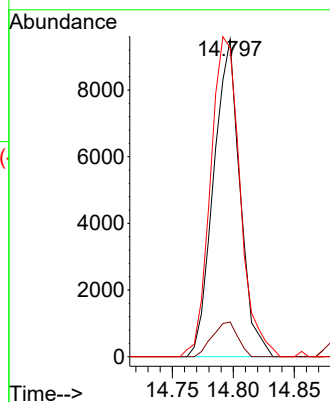


#53
3-Nitroaniline
Concen: 8.264 ng
RT: 14.797 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

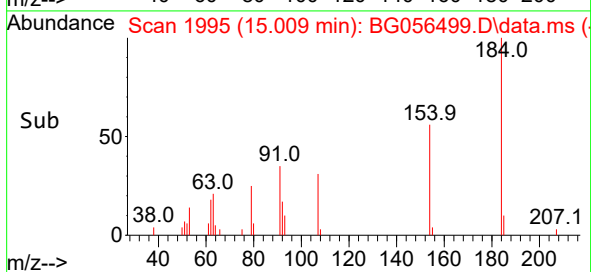
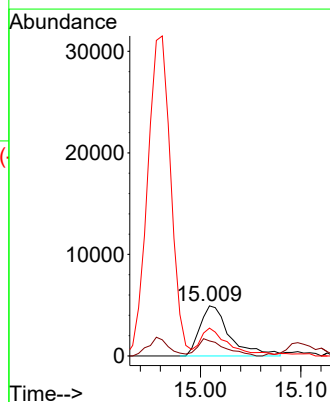
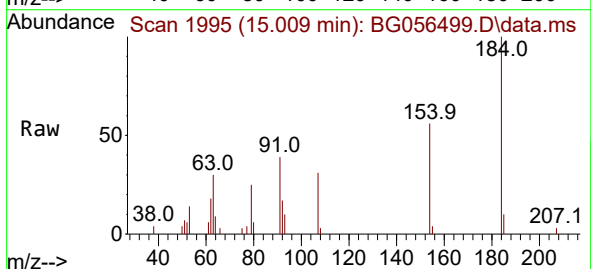


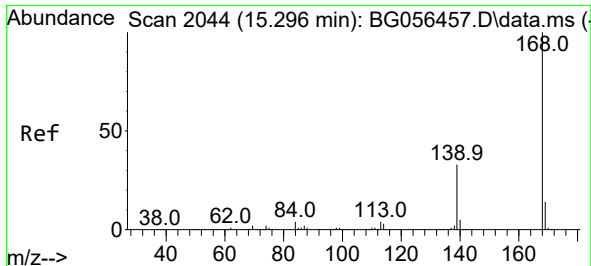
Tgt Ion:138 Resp: 14384
Ion Ratio Lower Upper
138 100
108 10.9 8.0 12.0
92 97.4 84.1 126.1



#54
2,4-Dinitrophenol
Concen: 9.041 ng
RT: 15.009 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:184 Resp: 10176
Ion Ratio Lower Upper
184 100
63 29.9 25.1 37.7
154 55.5 44.8 67.2

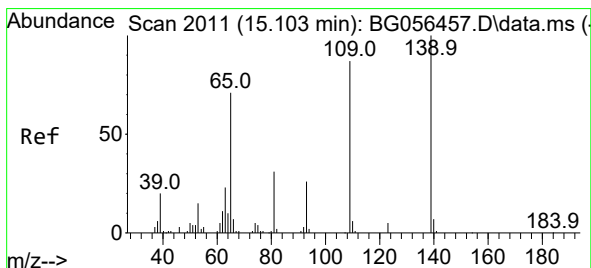
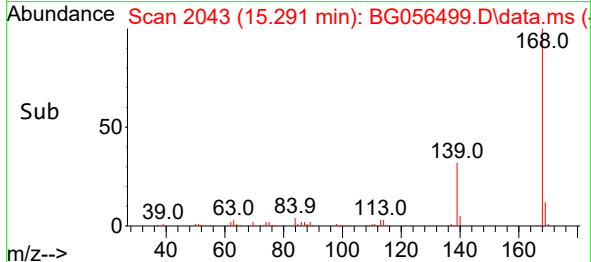
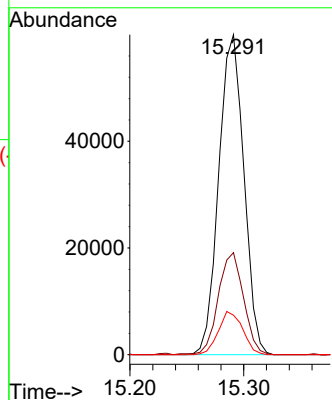
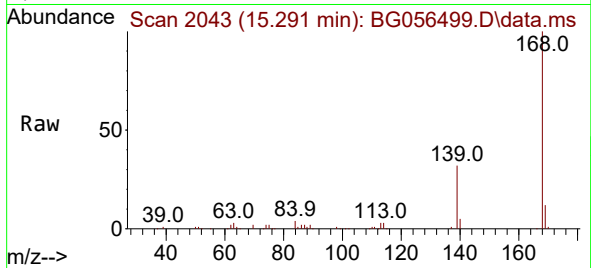




#55
Dibenzofuran
Concen: 9.219 ng
RT: 15.291 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

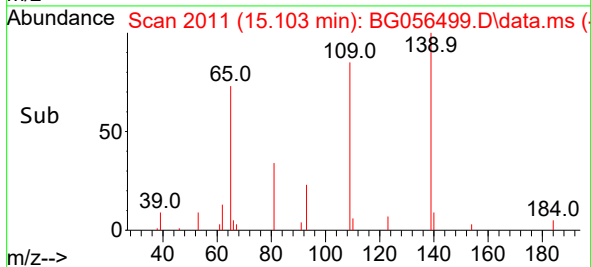
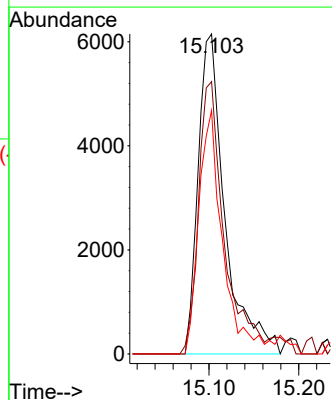
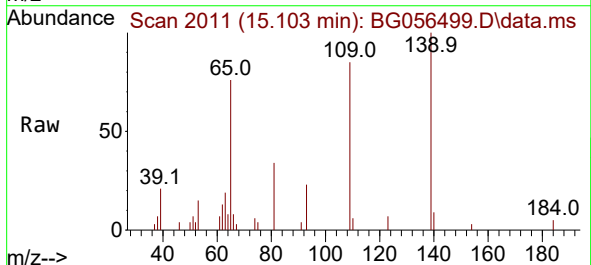
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

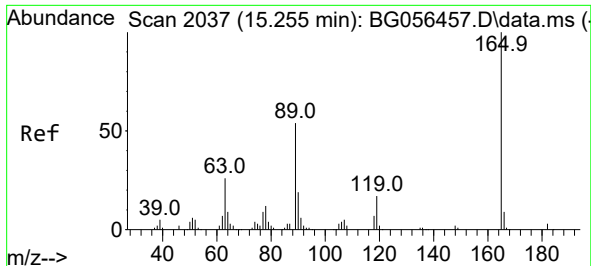
Tgt Ion:168 Resp: 92022
Ion Ratio Lower Upper
168 100
139 31.9 26.2 39.2
169 12.3 11.0 16.6



#56
4-Nitrophenol
Concen: 10.699 ng
RT: 15.103 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:139 Resp: 12724
Ion Ratio Lower Upper
139 100
109 85.1 67.5 107.5
65 76.0 50.7 90.7





#57

2,4-Dinitrotoluene

Concen: 8.990 ng

RT: 15.250 min Scan# 2037

Delta R.T. 0.000 min

Lab File: BG056499.D

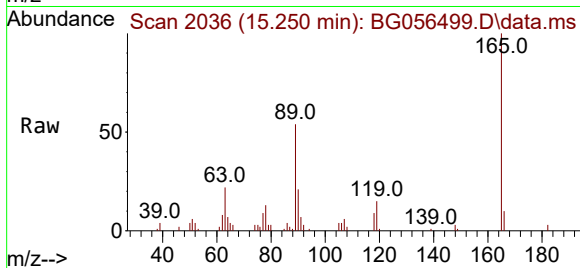
Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:165 Resp: 22734

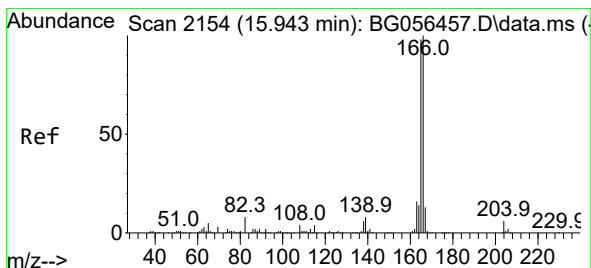
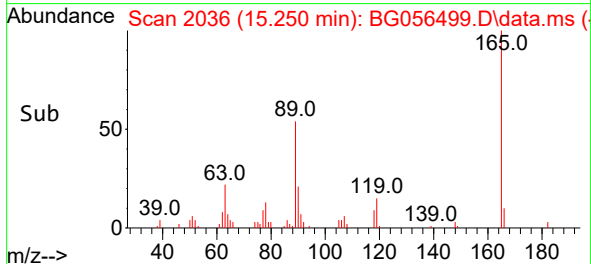
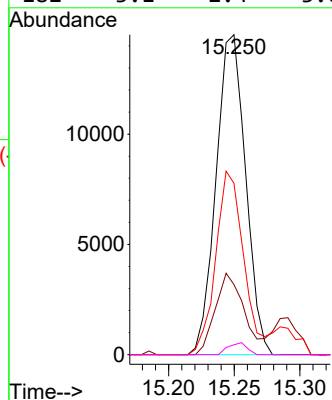
Ion Ratio Lower Upper

165 100

63 21.9 20.6 31.0

89 53.5 43.1 64.7

182 3.1 2.4 3.6



#58

Fluorene

Concen: 9.193 ng

RT: 15.937 min Scan# 2153

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

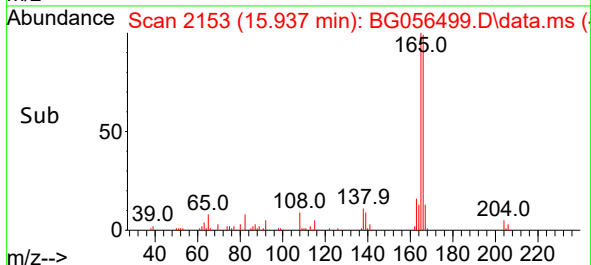
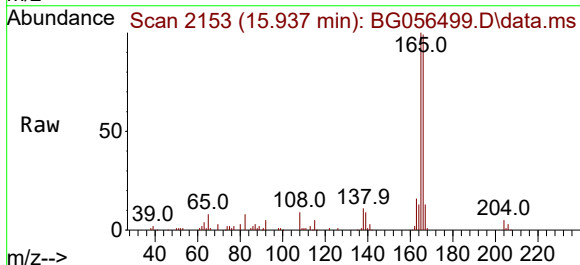
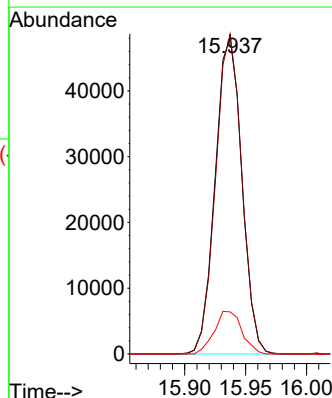
Tgt Ion:166 Resp: 73017

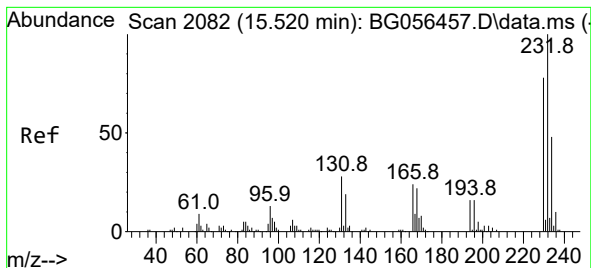
Ion Ratio Lower Upper

166 100

165 101.0 78.8 118.2

167 13.3 10.6 15.8

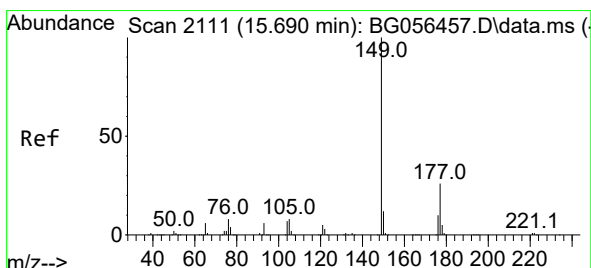
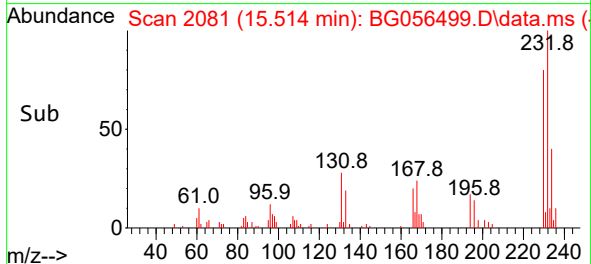
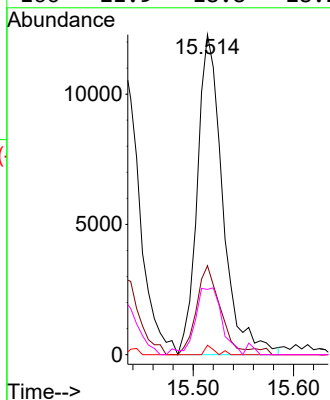
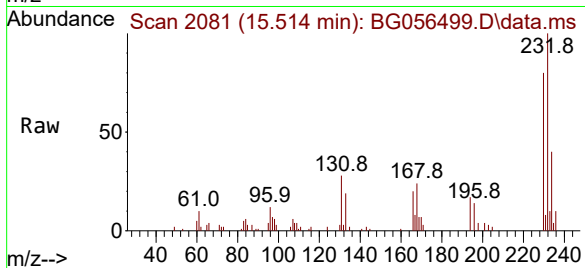




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.670 ng
RT: 15.514 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

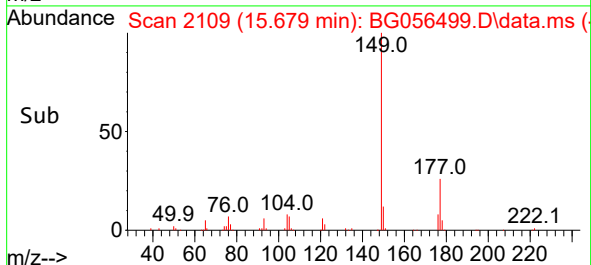
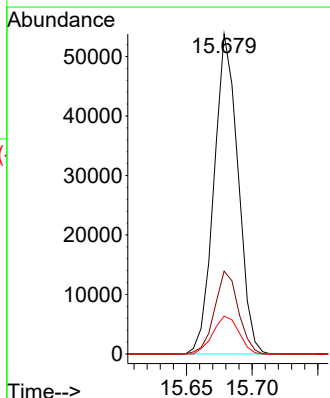
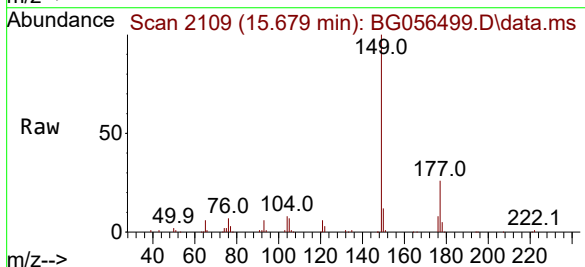
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

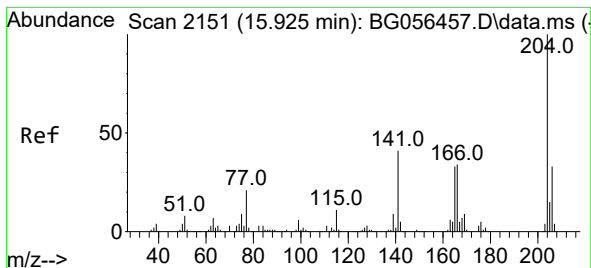
Tgt Ion:232 Resp: 21622
Ion Ratio Lower Upper
232 100
131 26.0 22.8 34.2
130 1.2 1.4 2.0#
166 21.9 18.8 28.2



#60
Diethylphthalate
Concen: 8.853 ng
RT: 15.679 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:149 Resp: 68433
Ion Ratio Lower Upper
149 100
177 25.9 21.0 31.4
150 11.8 9.9 14.9

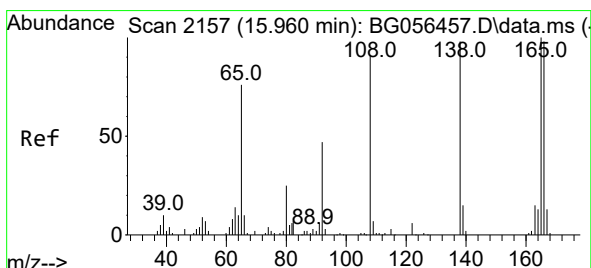
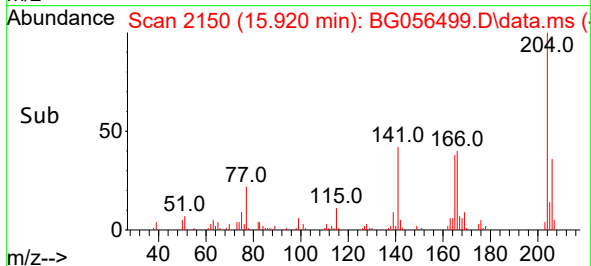
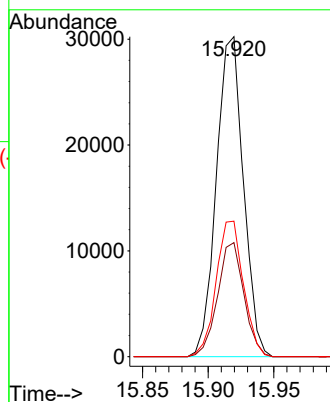
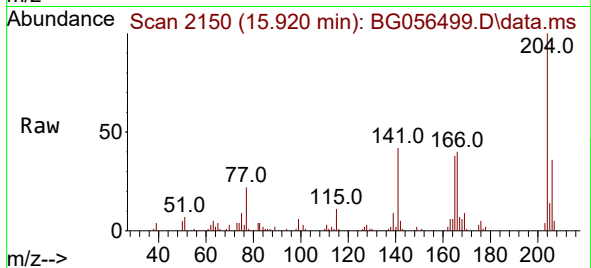




#61
4-Chlorophenyl-phenylether
Concen: 8.925 ng
RT: 15.920 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

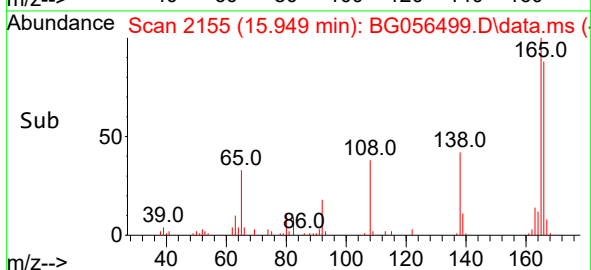
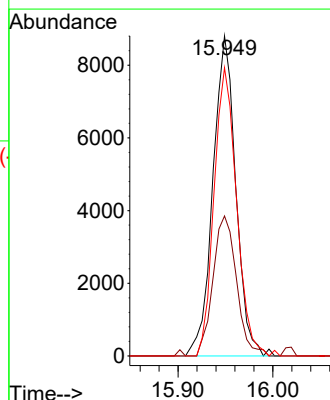
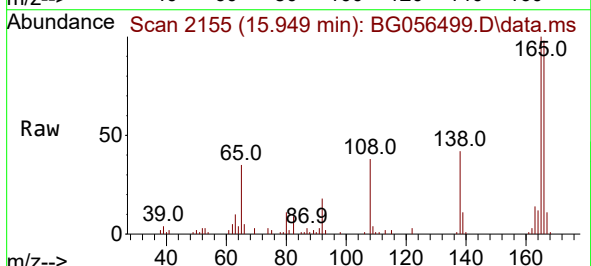
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

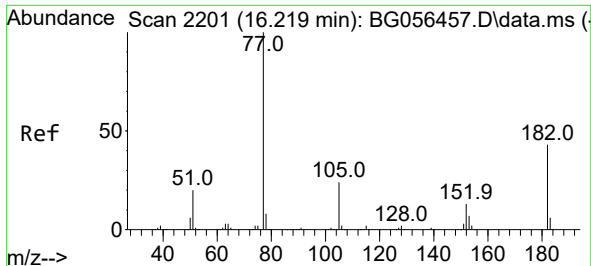
Tgt Ion:204 Resp: 43258
Ion Ratio Lower Upper
204 100
206 35.7 26.2 39.4
141 42.4 32.7 49.1



#62
4-Nitroaniline
Concen: 8.496 ng
RT: 15.949 min Scan# 2155
Delta R.T. -0.012 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:138 Resp: 14797
Ion Ratio Lower Upper
138 100
92 43.8 27.8 67.8
108 90.1 72.6 112.6

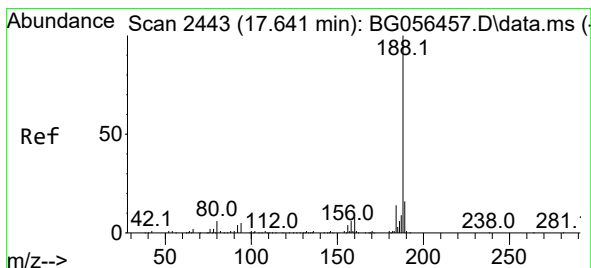
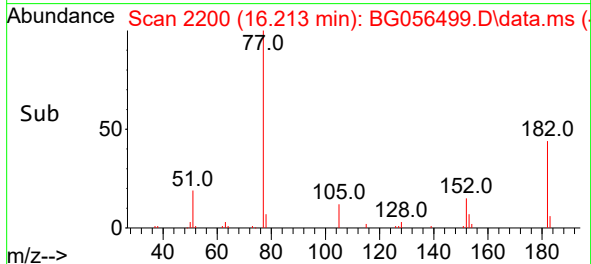
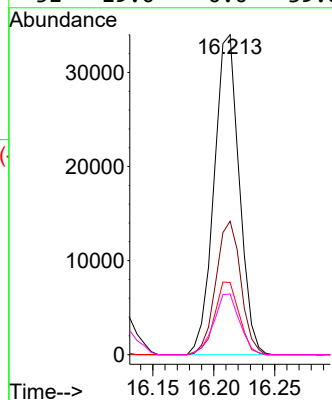
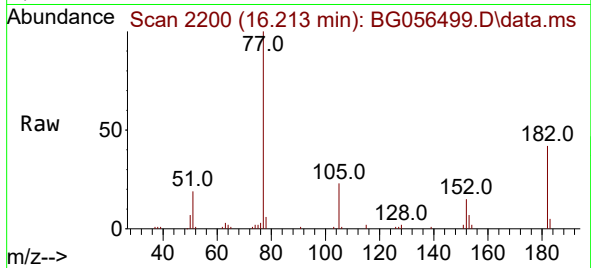




#63
Azobenzene
Concen: 9.181 ng
RT: 16.213 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

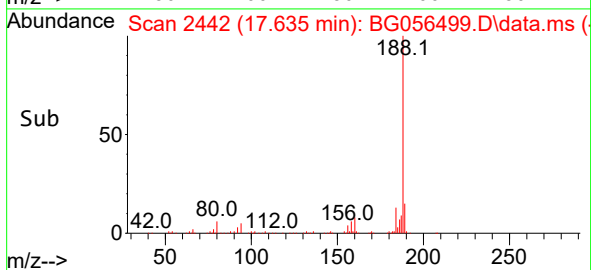
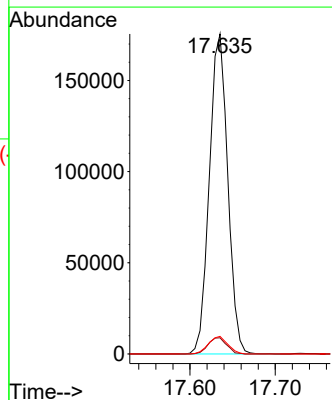
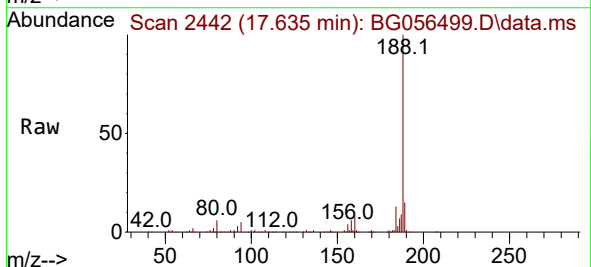
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

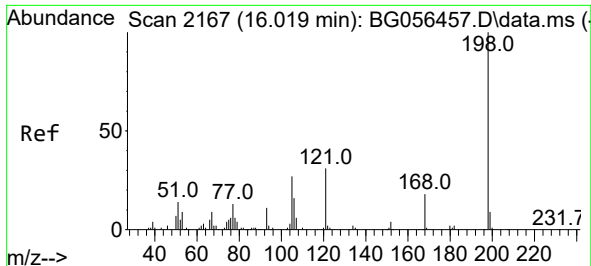
Tgt Ion: 77 Resp: 48834
Ion Ratio Lower Upper
77 100
182 41.7 23.1 63.1
105 22.6 4.2 44.2
51 19.0 0.0 39.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.635 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:188 Resp: 262913
Ion Ratio Lower Upper
188 100
94 5.1 4.1 6.1
80 5.5 5.0 7.4

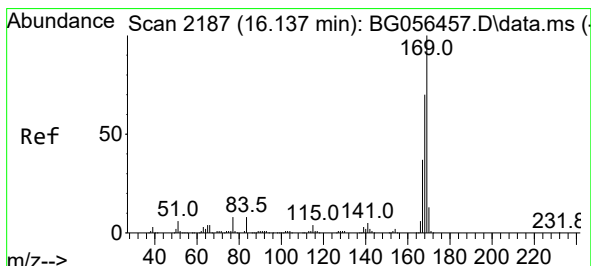
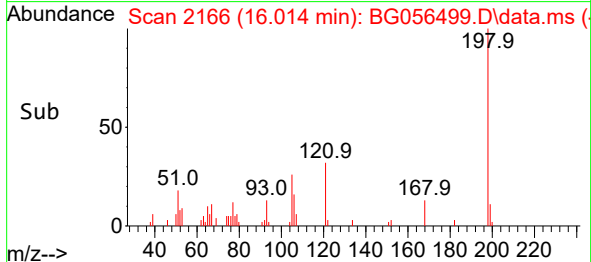
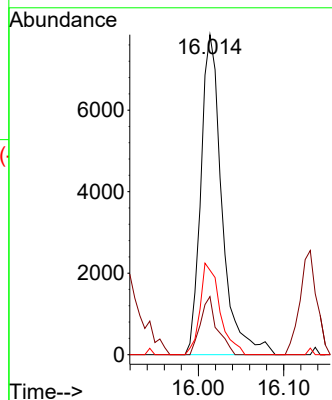
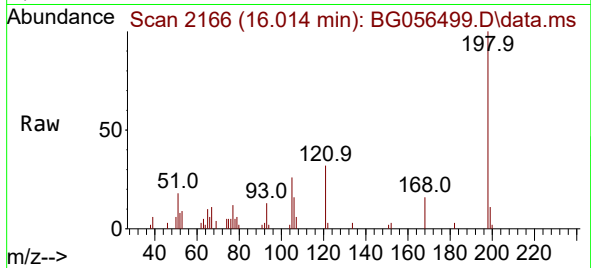




#65
4,6-Dinitro-2-methylphenol
Concen: 7.299 ng
RT: 16.014 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

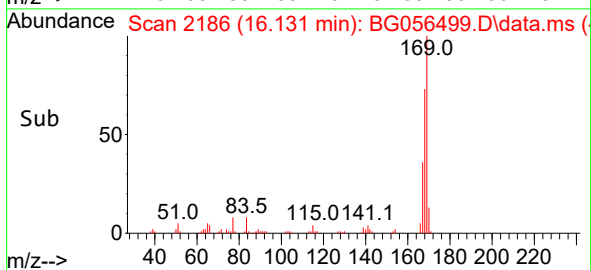
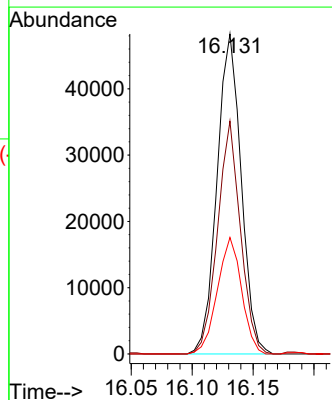
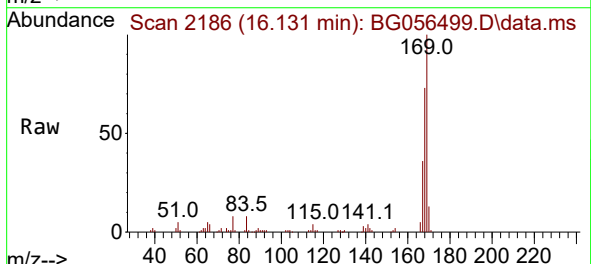
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

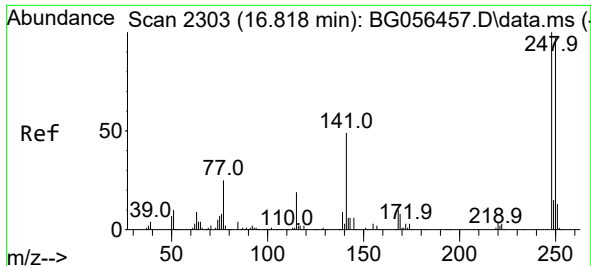
Tgt Ion:198 Resp: 13491
Ion Ratio Lower Upper
198 100
51 18.2 0.0 35.0
105 26.4 7.4 47.4



#66
n-Nitrosodiphenylamine
Concen: 8.951 ng
RT: 16.131 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:169 Resp: 66629
Ion Ratio Lower Upper
169 100
168 72.7 55.8 83.6
167 36.4 29.8 44.8

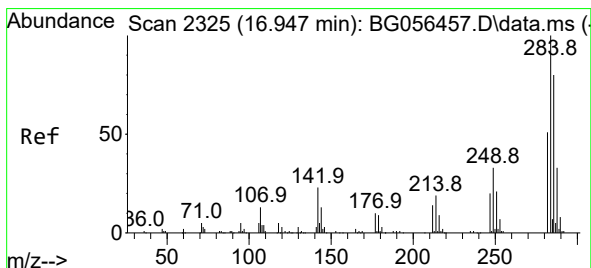
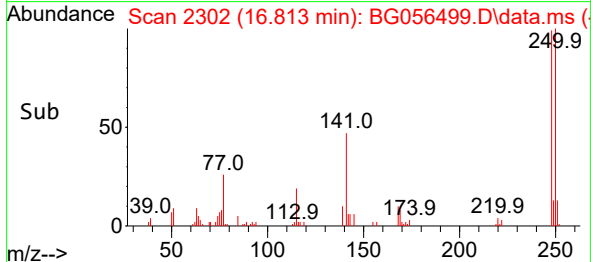
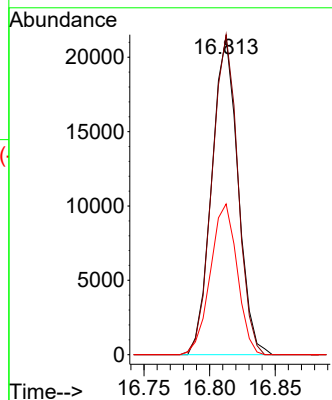
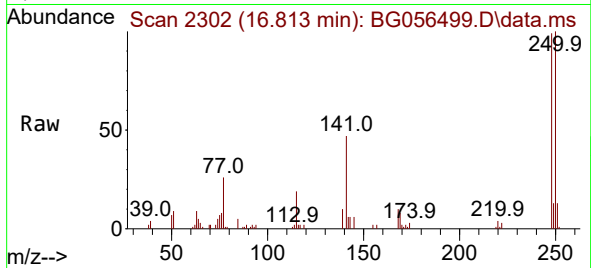




#67
4-Bromophenyl-phenylether
Concen: 8.817 ng
RT: 16.813 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

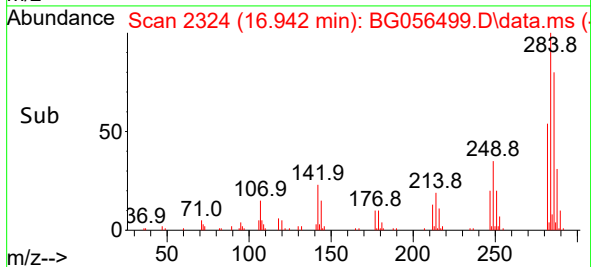
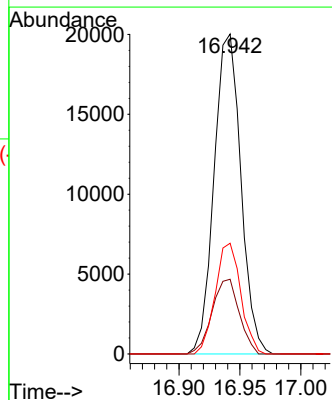
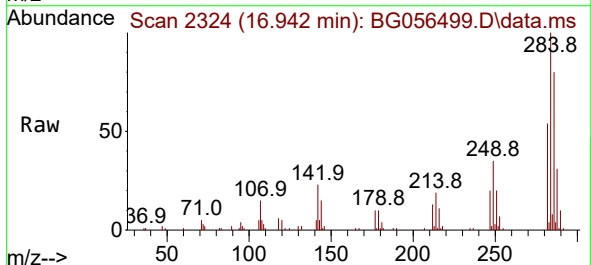
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

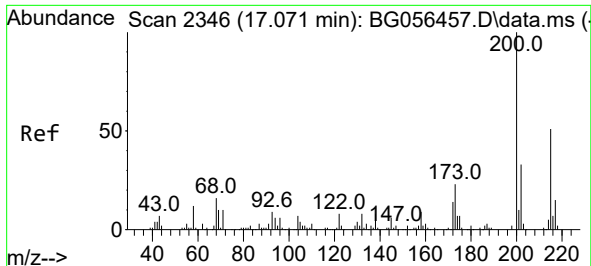
Tgt Ion:248 Resp: 29676
Ion Ratio Lower Upper
248 100
250 100.7 77.6 116.4
141 47.4 39.0 58.4



#68
Hexachlorobenzene
Concen: 9.285 ng
RT: 16.942 min Scan# 2324
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:284 Resp: 30607
Ion Ratio Lower Upper
284 100
142 23.3 18.0 27.0
249 34.6 26.7 40.1

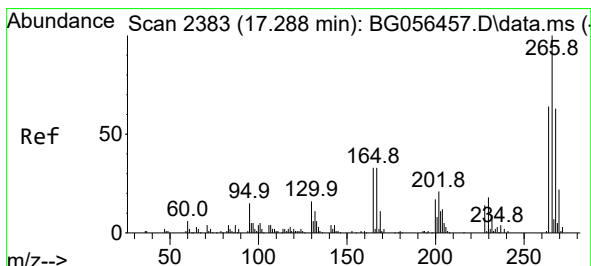
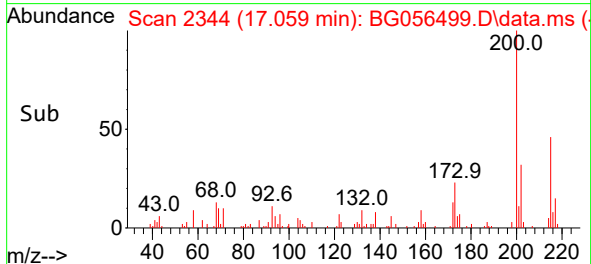
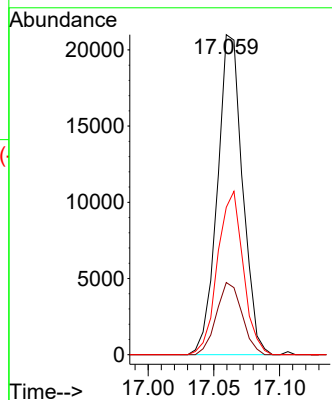
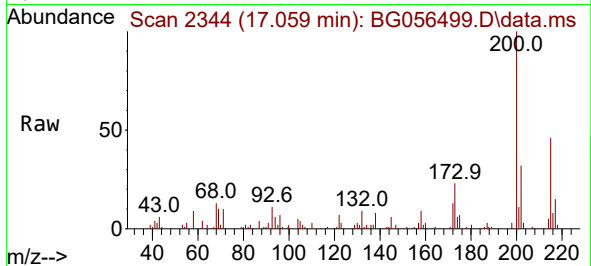




#69
 Atrazine
 Concen: 9.757 ng
 RT: 17.059 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BG056499.D
 Acq: 1 Feb 2023 14:11

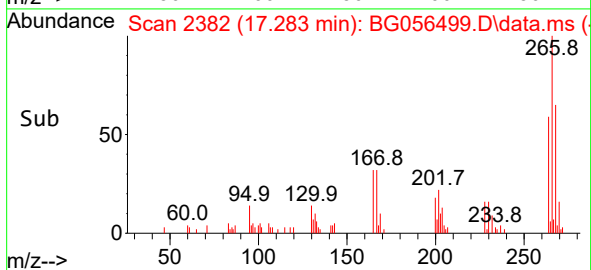
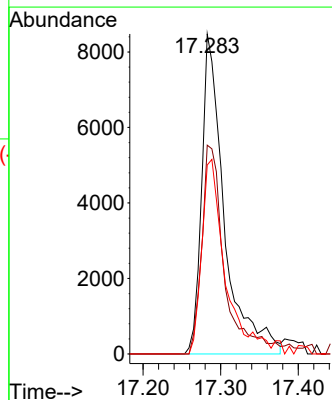
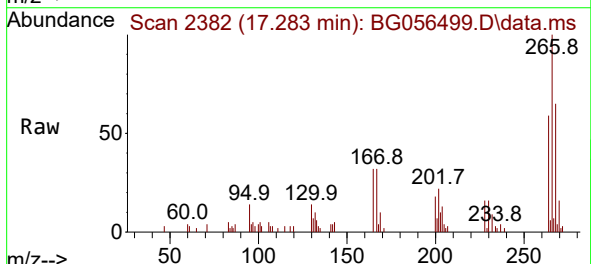
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

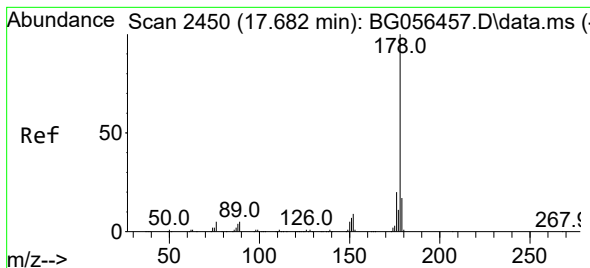
Tgt Ion:200 Resp: 28020
 Ion Ratio Lower Upper
 200 100
 173 22.5 3.2 43.2
 215 46.1 30.7 70.7



#70
 Pentachlorophenol
 Concen: 8.630 ng
 RT: 17.283 min Scan# 2382
 Delta R.T. 0.000 min
 Lab File: BG056499.D
 Acq: 1 Feb 2023 14:11

Tgt Ion:266 Resp: 17214
 Ion Ratio Lower Upper
 266 100
 268 69.4 50.2 75.4
 264 59.1 51.4 77.0





#71

Phenanthrene

Concen: 9.025 ng

RT: 17.676 min Scan# 2449

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

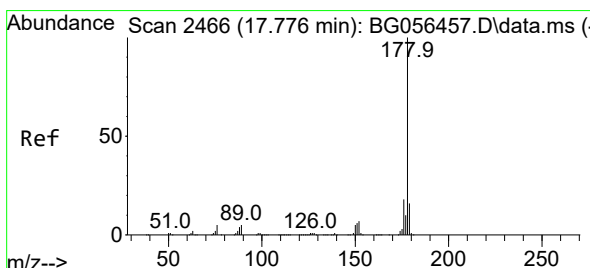
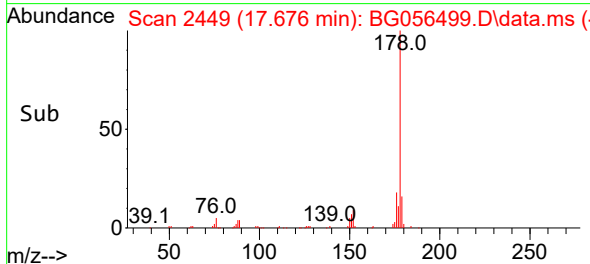
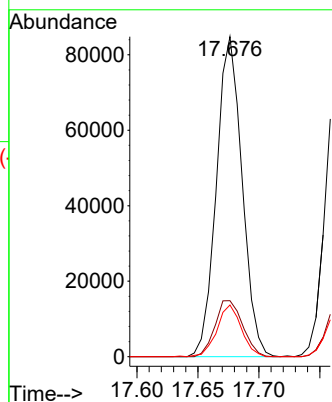
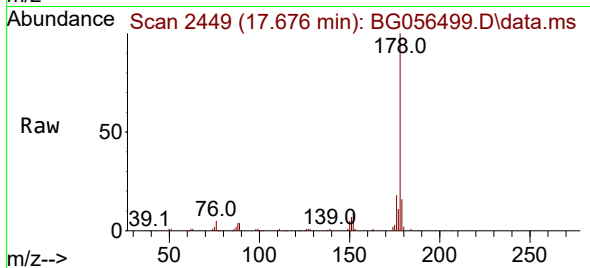
Tgt Ion:178 Resp: 124193

Ion Ratio Lower Upper

178 100

176 17.5 15.6 23.4

179 16.1 13.3 19.9



#72

Anthracene

Concen: 9.178 ng

RT: 17.764 min Scan# 2464

Delta R.T. -0.006 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

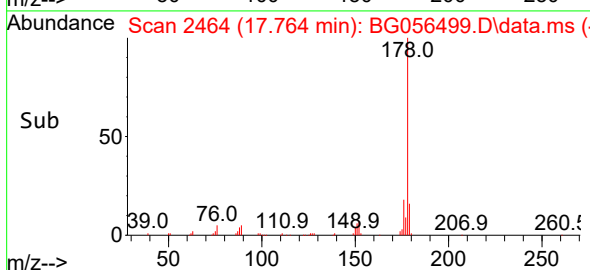
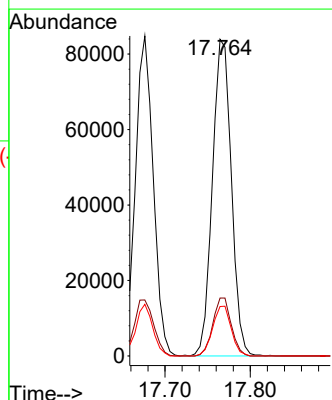
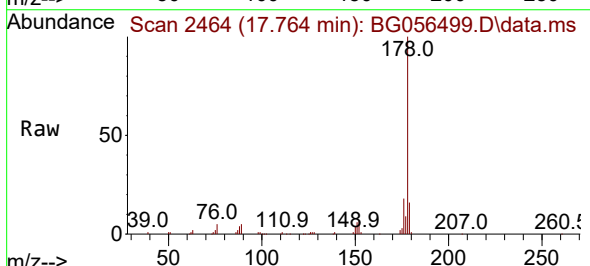
Tgt Ion:178 Resp: 129641

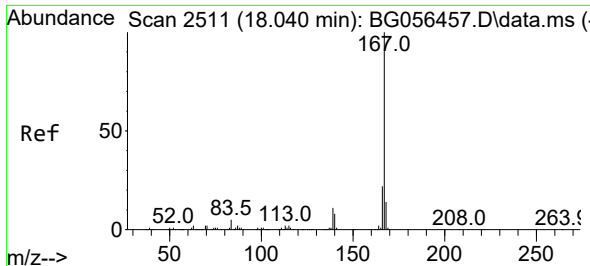
Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

179 15.6 12.5 18.7

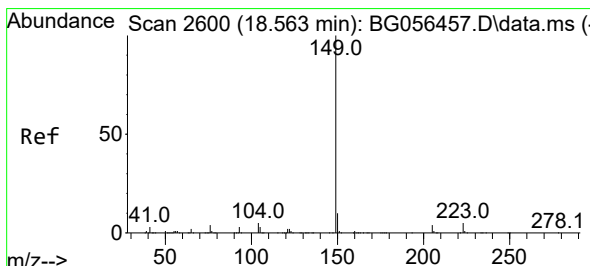
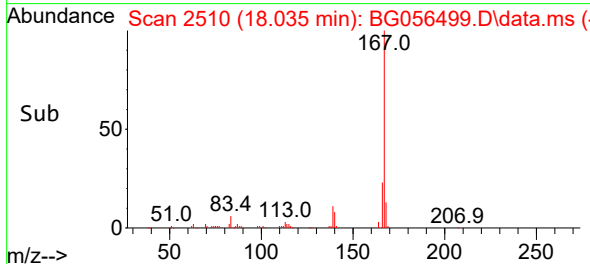
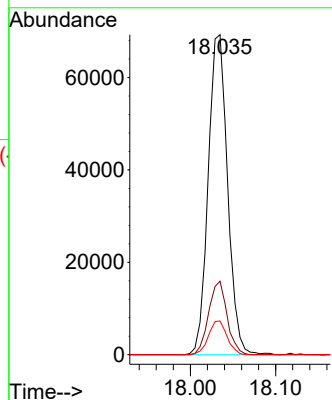
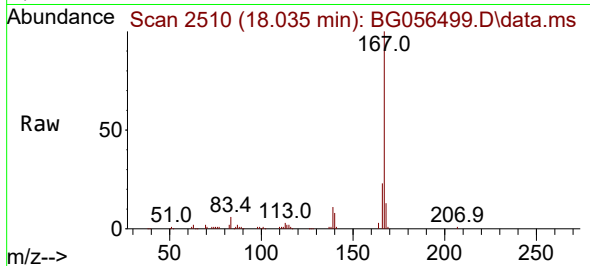




#73
 Carbazole
 Concen: 9.101 ng
 RT: 18.035 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG056499.D
 Acq: 1 Feb 2023 14:11

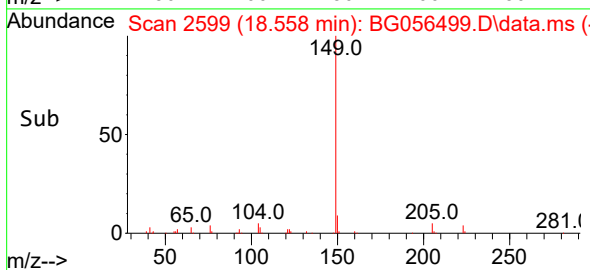
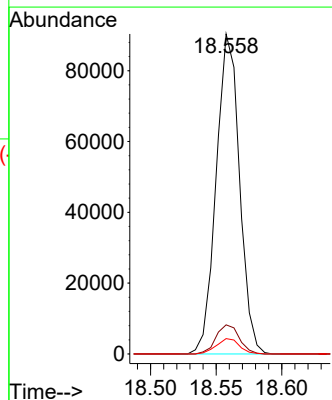
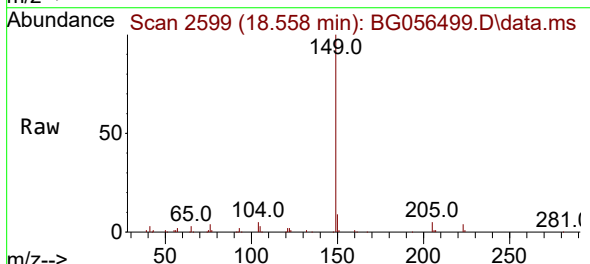
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

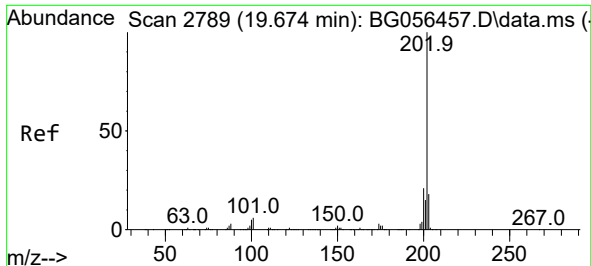
Tgt Ion:167 Resp: 109495
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.8 26.6
 139 10.5 8.9 13.3



#74
 Di-n-butylphthalate
 Concen: 8.840 ng
 RT: 18.558 min Scan# 2599
 Delta R.T. -0.006 min
 Lab File: BG056499.D
 Acq: 1 Feb 2023 14:11

Tgt Ion:149 Resp: 111662
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.8 11.6
 104 4.8 4.0 6.0

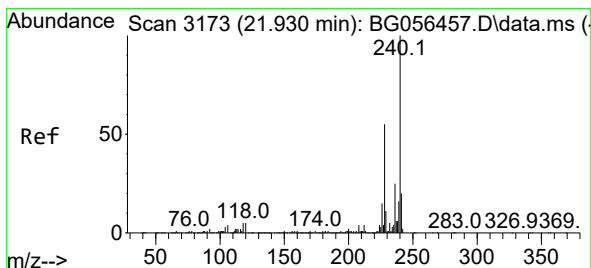
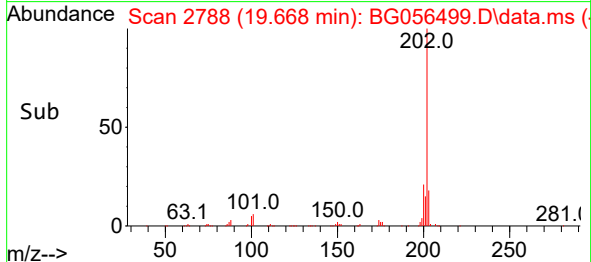
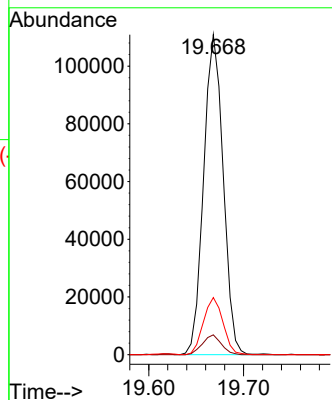
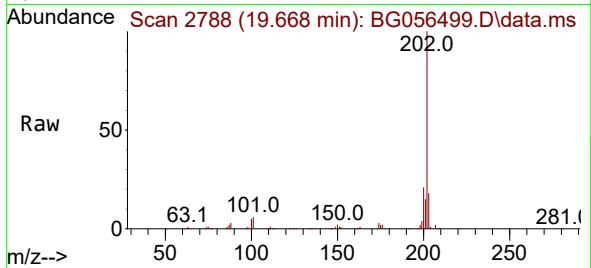




#75
Fluoranthene
Concen: 9.130 ng
RT: 19.668 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

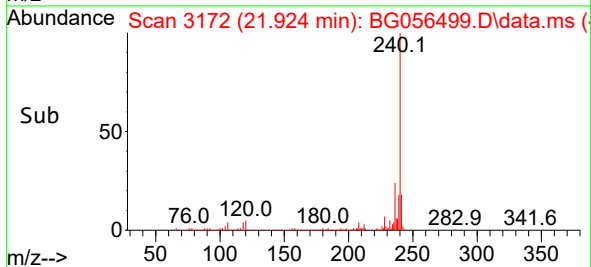
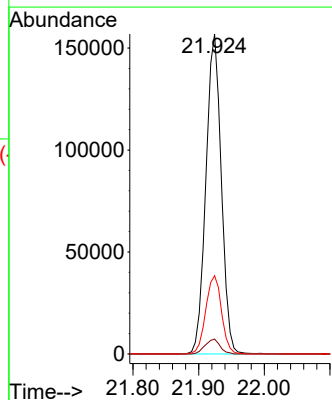
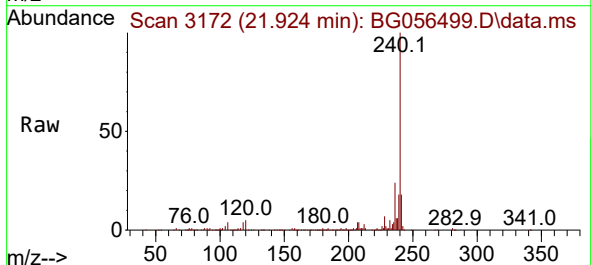
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

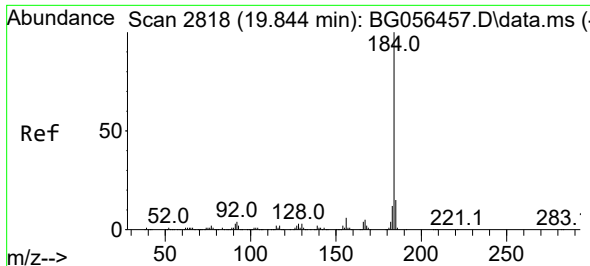
Tgt Ion:202 Resp: 158571
Ion Ratio Lower Upper
202 100
101 6.2 0.0 25.6
203 17.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:240 Resp: 255691
Ion Ratio Lower Upper
240 100
120 4.6 3.8 5.8
236 24.4 20.2 30.2

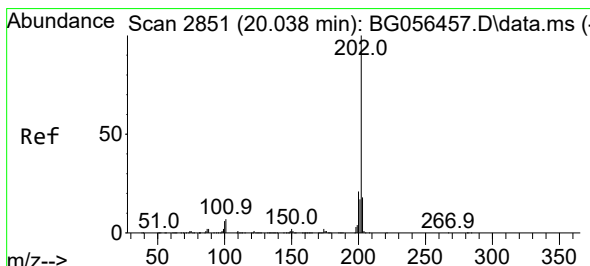
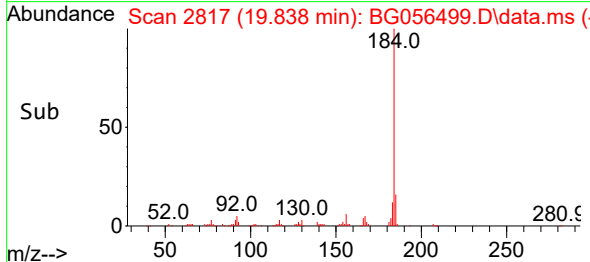
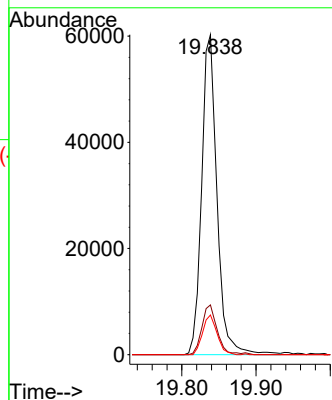
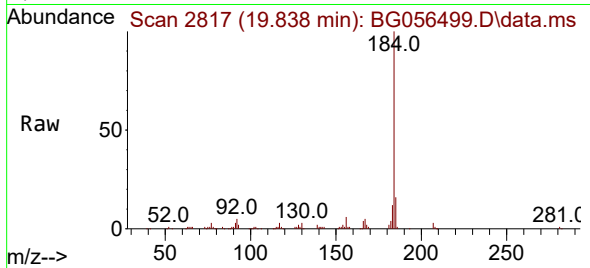




#77
Benzidine
Concen: 12.503 ng
RT: 19.838 min Scan# 2817
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

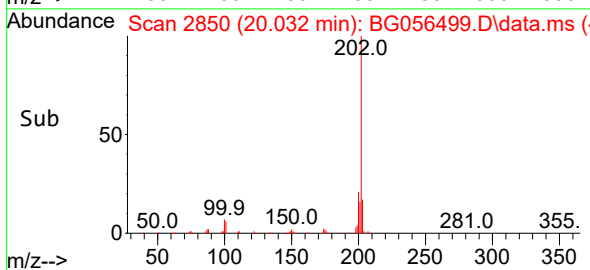
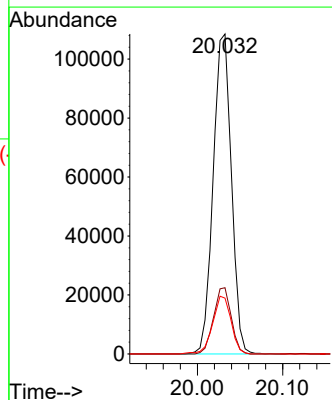
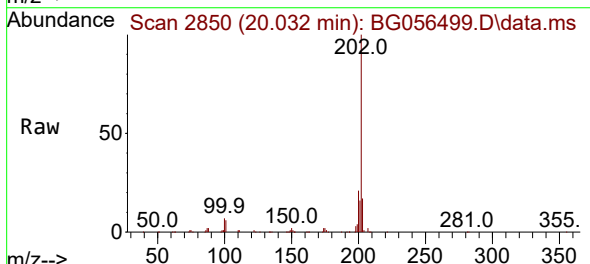
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

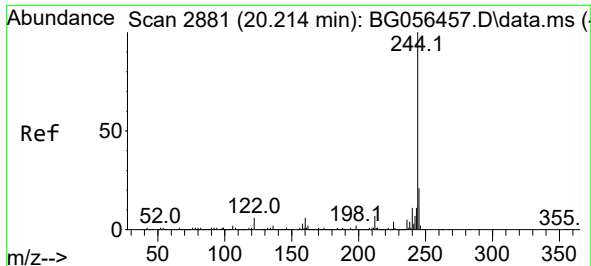
Tgt Ion:184 Resp: 86511
Ion Ratio Lower Upper
184 100
185 15.5 12.3 18.5
183 12.4 9.8 14.8



#78
Pyrene
Concen: 8.837 ng
RT: 20.032 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:202 Resp: 160695
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 17.4 14.4 21.6

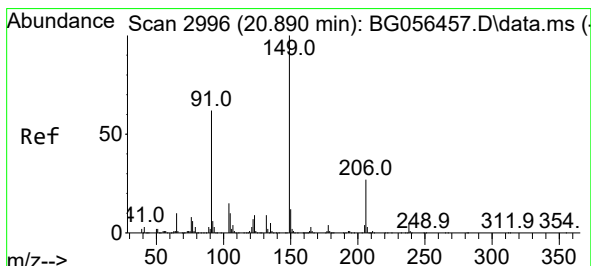
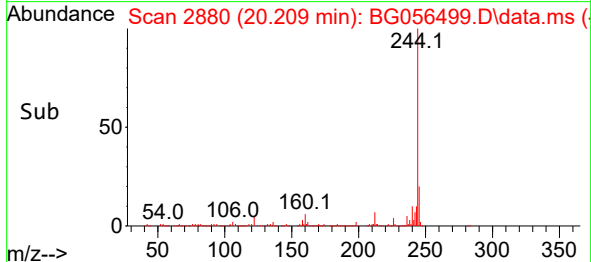
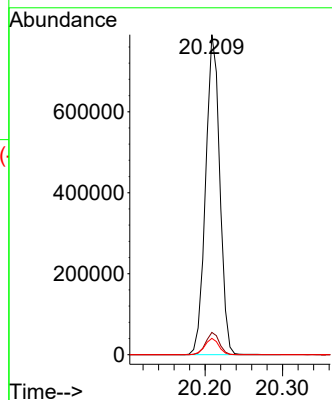
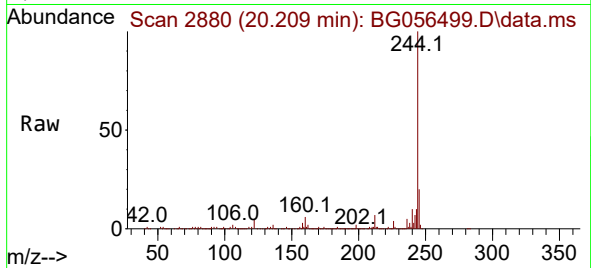




#79
 Terphenyl-d14
 Concen: 68.891 ng
 RT: 20.209 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG056499.D
 Acq: 1 Feb 2023 14:11

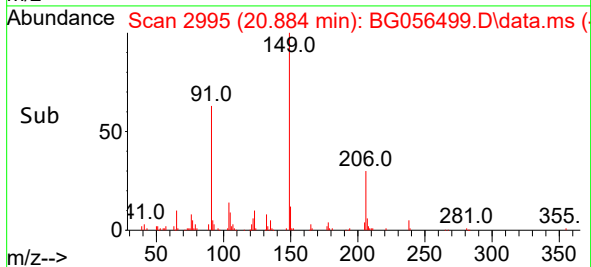
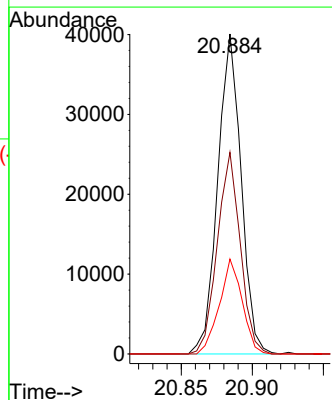
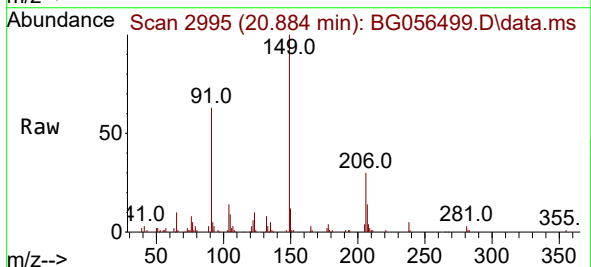
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

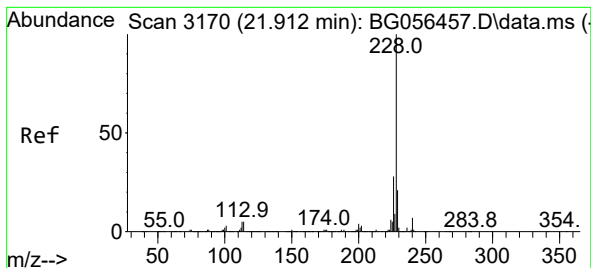
Tgt Ion:244 Resp: 1002906
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 5.1 4.4 6.6



#80
 Butylbenzylphthalate
 Concen: 8.244 ng
 RT: 20.884 min Scan# 2995
 Delta R.T. 0.000 min
 Lab File: BG056499.D
 Acq: 1 Feb 2023 14:11

Tgt Ion:149 Resp: 45786
 Ion Ratio Lower Upper
 149 100
 91 63.0 49.4 74.0
 206 29.7 22.0 33.0





#81

Benzo(a)anthracene

Concen: 9.011 ng

RT: 21.901 min Scan# 3168

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

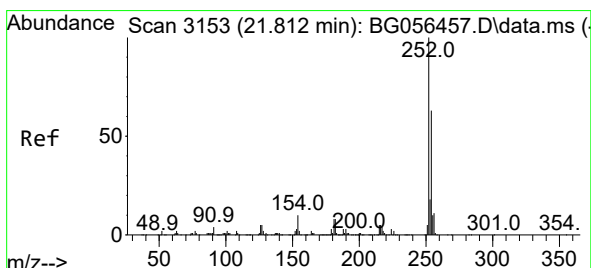
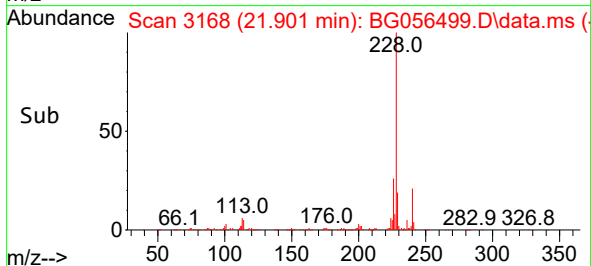
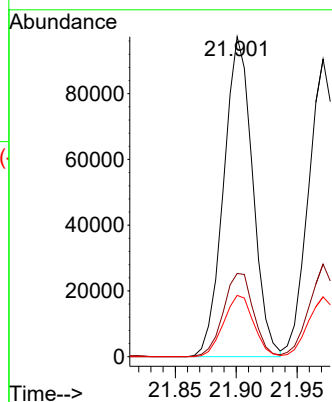
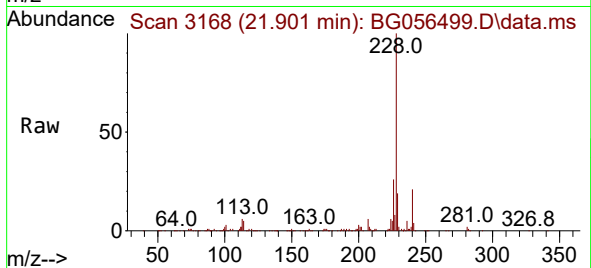
Tgt Ion:228 Resp: 161080

Ion Ratio Lower Upper

228 100

226 26.0 22.4 33.6

229 19.2 16.5 24.7



#82

3,3'-Dichlorobenzidine

Concen: 10.033 ng

RT: 21.801 min Scan# 3151

Delta R.T. -0.006 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

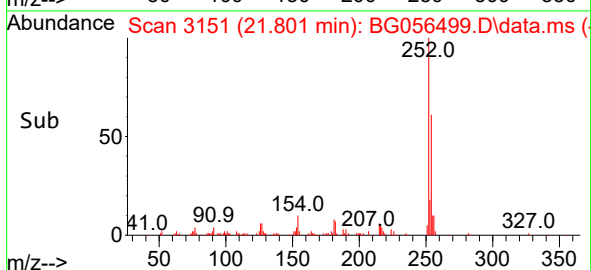
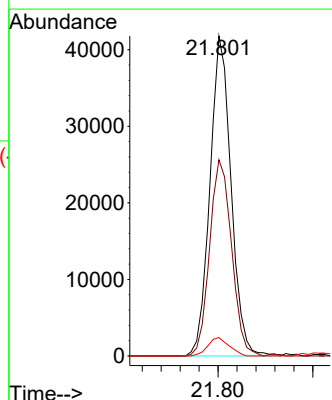
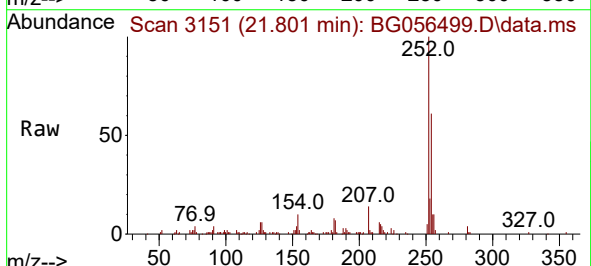
Tgt Ion:252 Resp: 64583

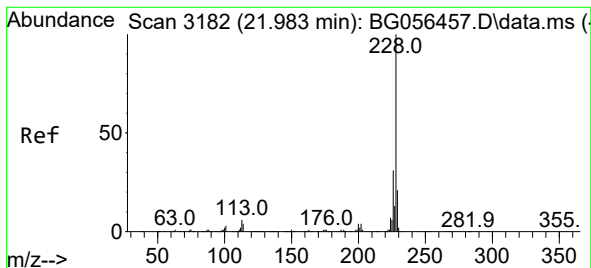
Ion Ratio Lower Upper

252 100

254 61.3 50.0 75.0

126 5.7 4.3 6.5





#83

Chrysene

Concen: 8.968 ng

RT: 21.971 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

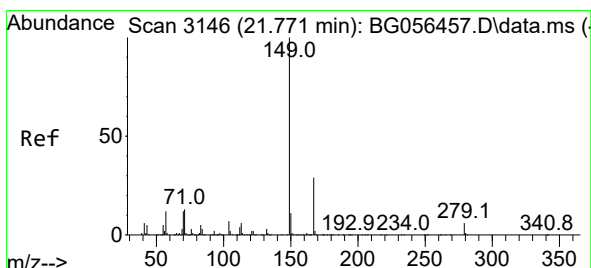
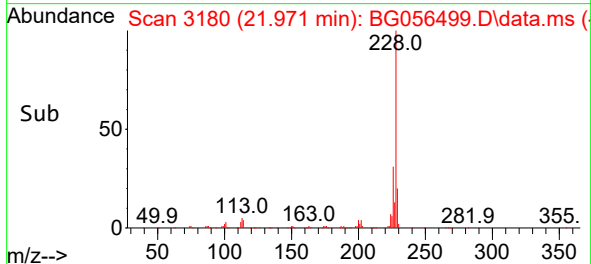
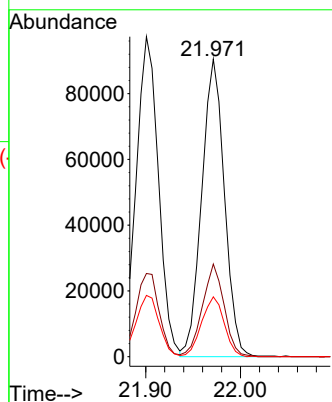
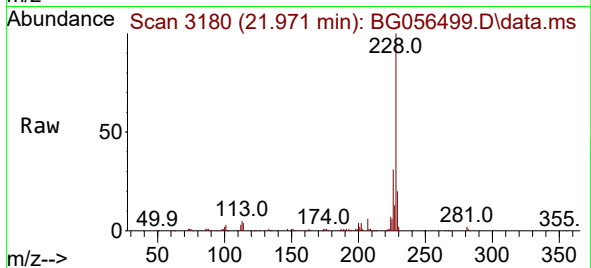
Tgt Ion:228 Resp: 150613

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.4

229 20.1 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.645 ng

RT: 21.760 min Scan# 3144

Delta R.T. -0.006 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

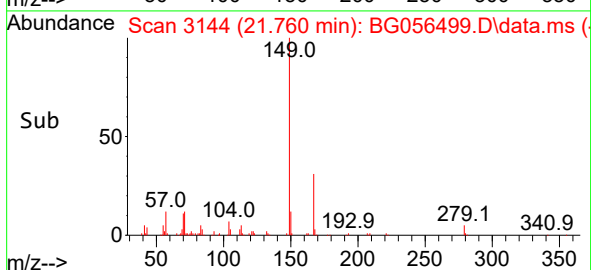
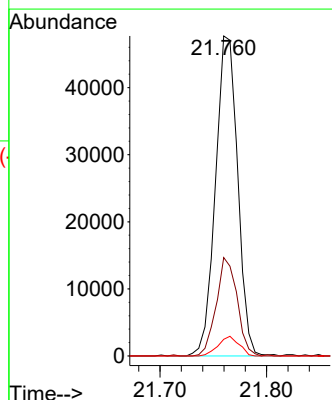
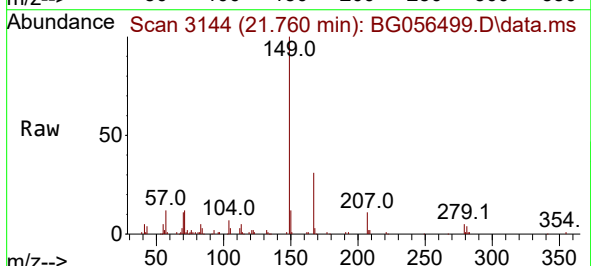
Tgt Ion:149 Resp: 68840

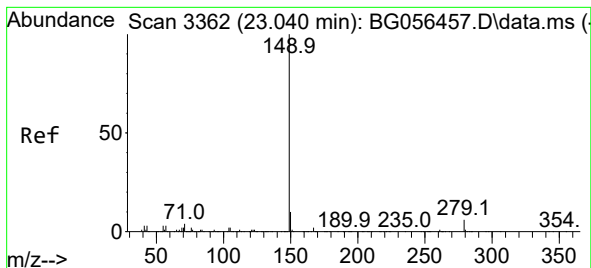
Ion Ratio Lower Upper

149 100

167 30.7 23.4 35.2

279 5.2 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 8.572 ng

RT: 23.035 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

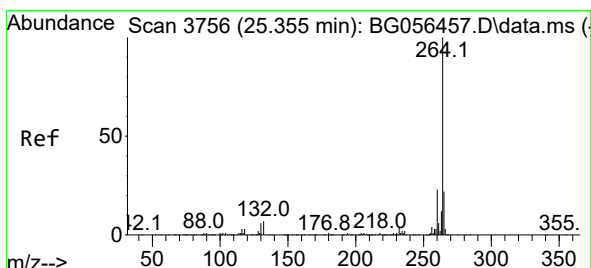
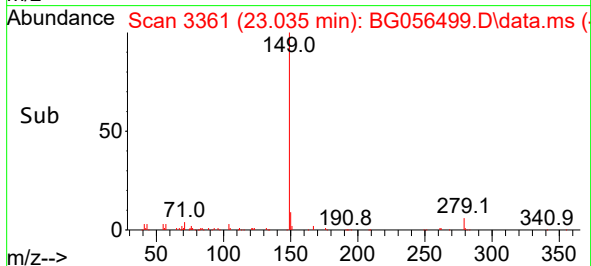
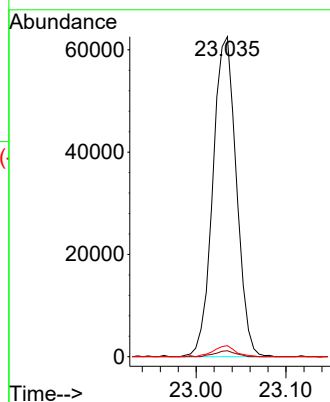
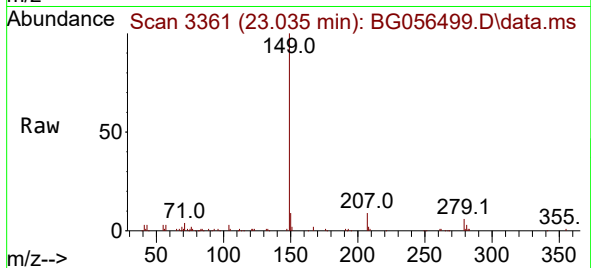
Tgt Ion:149 Resp: 113668

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 3.3 2.7 4.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.344 min Scan# 3754

Delta R.T. 0.000 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

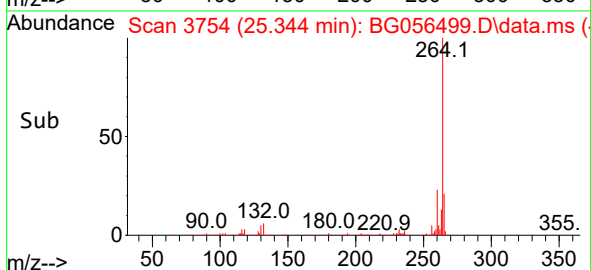
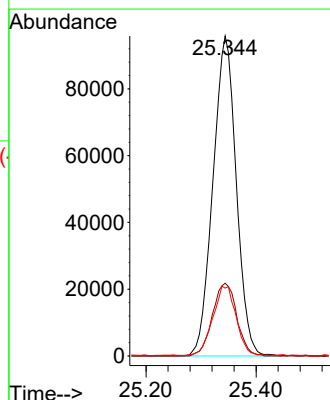
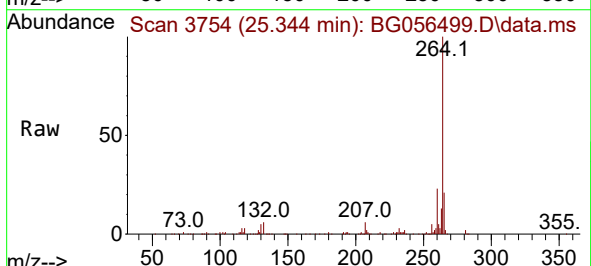
Tgt Ion:264 Resp: 281377

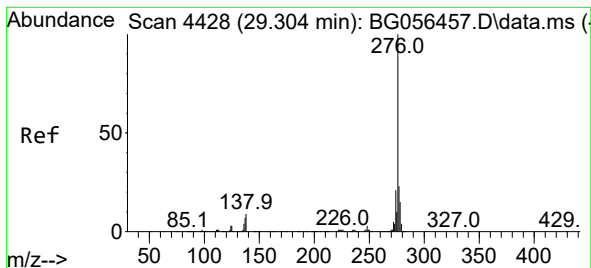
Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 21.2 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.551 ng

RT: 29.269 min Scan# 4428

Delta R.T. -0.012 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

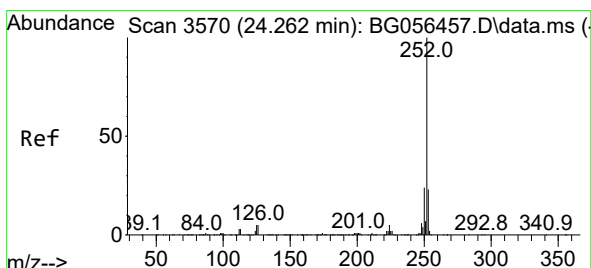
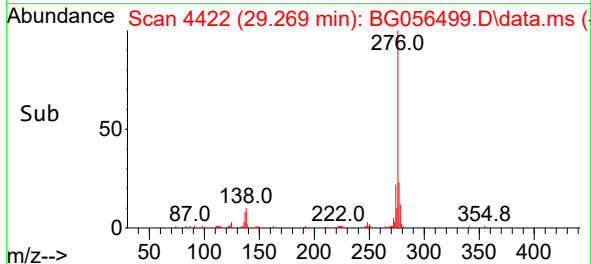
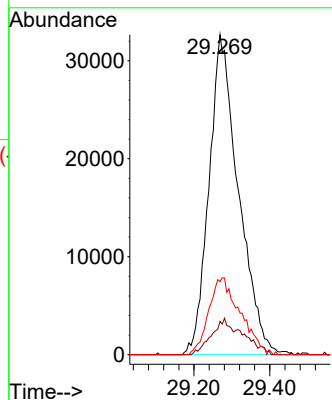
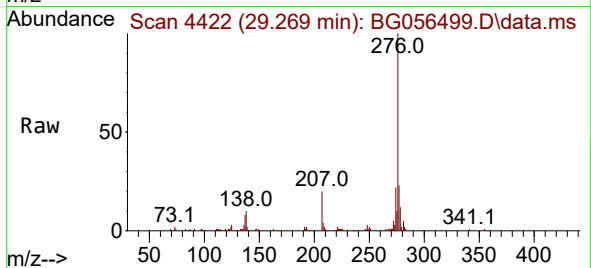
Tgt Ion:276 Resp: 176120

Ion Ratio Lower Upper

276 100

138 7.5 9.4 14.2#

277 25.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 9.266 ng

RT: 24.245 min Scan# 3567

Delta R.T. -0.006 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

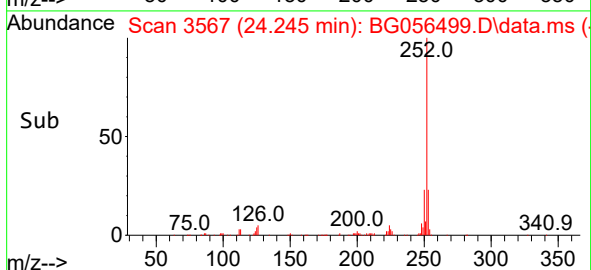
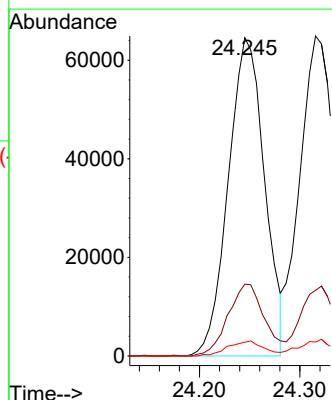
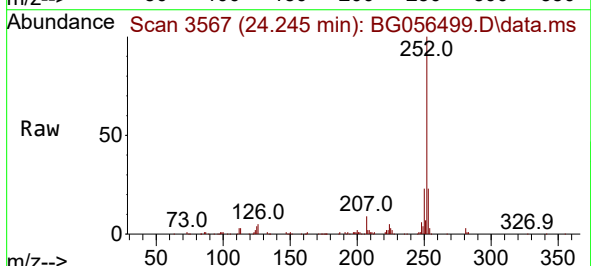
Tgt Ion:252 Resp: 161835

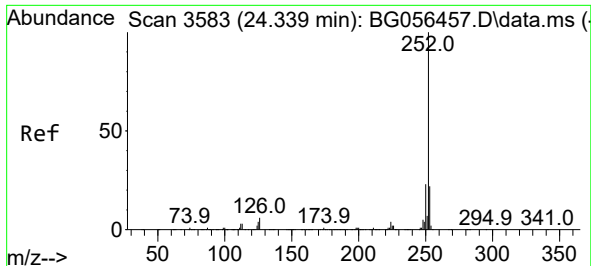
Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

125 4.3 3.9 5.9

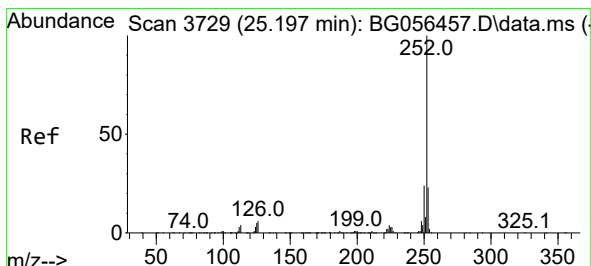
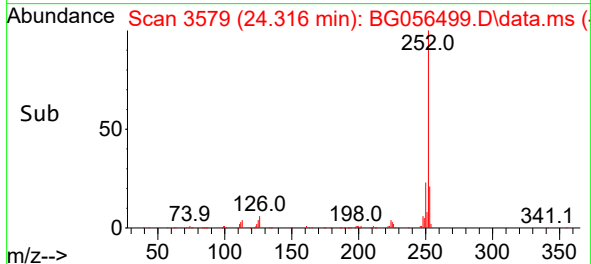
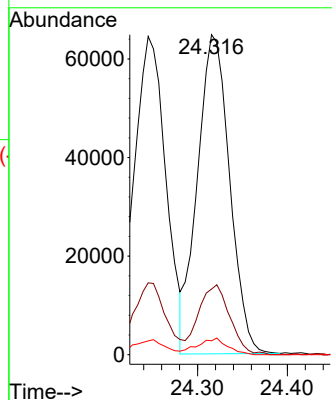
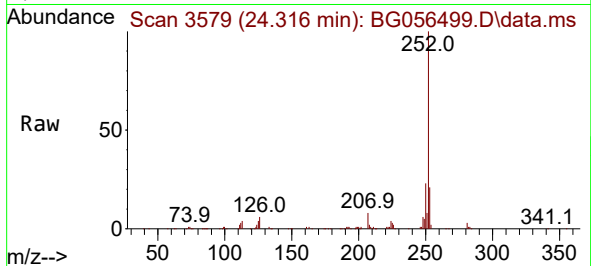




#89
Benzo(k)fluoranthene
Concen: 9.154 ng
RT: 24.316 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

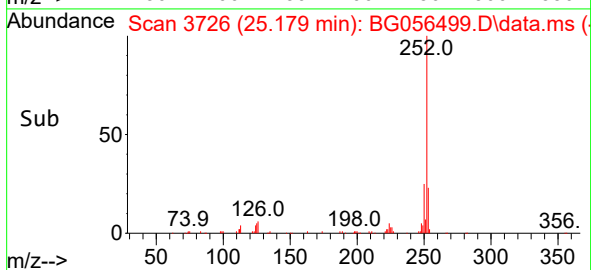
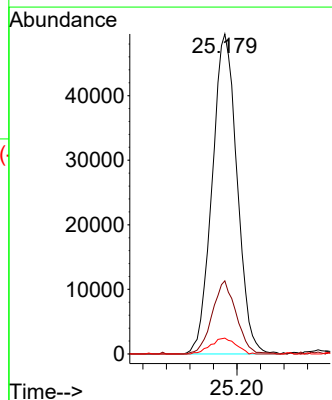
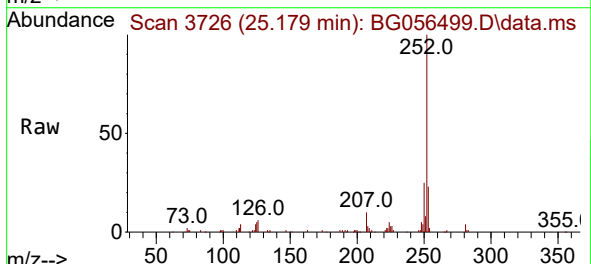
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

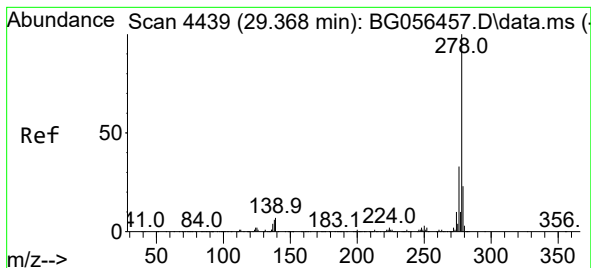
Tgt Ion:252 Resp: 161410
Ion Ratio Lower Upper
252 100
253 20.5 17.5 26.3
125 4.4 3.4 5.0



#90
Benzo(a)pyrene
Concen: 8.458 ng
RT: 25.179 min Scan# 3726
Delta R.T. -0.006 min
Lab File: BG056499.D
Acq: 1 Feb 2023 14:11

Tgt Ion:252 Resp: 145512
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 5.0 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 9.054 ng

RT: 29.327 min Scan# 4432

Delta R.T. -0.018 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

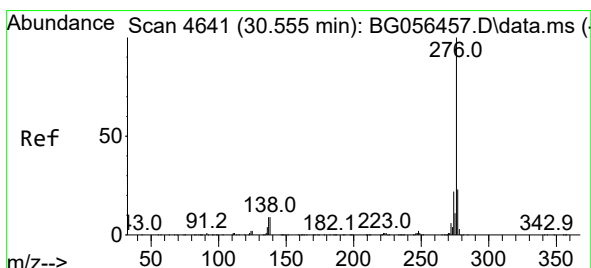
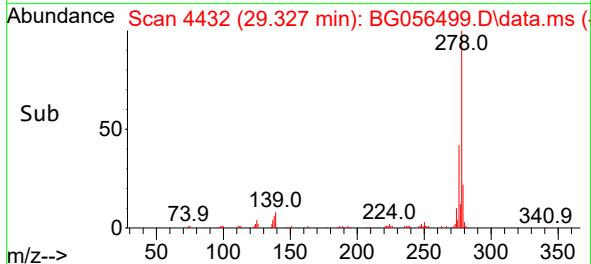
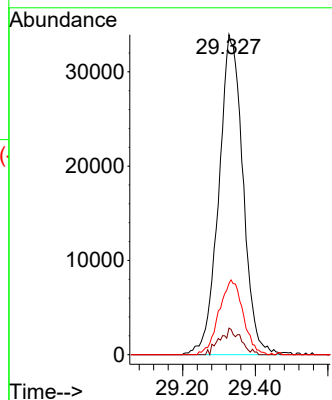
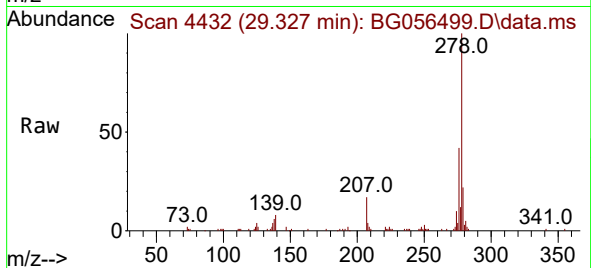
Tgt Ion:278 Resp: 156538

Ion Ratio Lower Upper

278 100

139 8.3 5.5 8.3#

279 22.3 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 9.087 ng

RT: 30.514 min Scan# 4634

Delta R.T. -0.012 min

Lab File: BG056499.D

Acq: 1 Feb 2023 14:11

Tgt Ion:276 Resp: 151589

Ion Ratio Lower Upper

276 100

277 22.6 18.5 27.7

138 8.7 7.4 11.0

