

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
 Data File : BG056497.D
 Acq On : 1 Feb 2023 11:10
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 02 04:59:44 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	8.273	152	34941	20.000	ng	0.00
21) Naphthalene-d8	11.105	136	131355	20.000	ng	# 0.00
39) Acenaphthene-d10	14.895	164	105411	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	271287	20.000	ng	0.00
76) Chrysene-d12	21.922	240	257206	20.000	ng	0.00
86) Perylene-d12	25.342	264	281101	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	211514	111.358	ng	0.00
7) Phenol-d6	7.415	99	299893	106.561	ng	0.00
23) Nitrobenzene-d5	9.448	82	169015	73.065	ng	0.00
42) 2,4,6-Tribromophenol	16.381	330	157297	112.245	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	569352	74.884	ng	0.00
79) Terphenyl-d14	20.212	244	1043774	71.275	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.596	88	4282	5.414	ng	94
3) Pyridine	4.025	79	10344	4.387	ng	98
4) n-Nitrosodimethylamine	3.931	42	2378	4.743	ng	# 92
6) Aniline	7.592	93	16340	4.435	ng	97
8) 2-Chlorophenol	7.838	128	10027	4.805	ng	93
9) Benzaldehyde	7.398	77	8781	5.016	ng	91
10) Phenol	7.445	94	12903	4.511	ng	96
11) bis(2-Chloroethyl)ether	7.680	93	9558	4.861	ng	96
12) 1,3-Dichlorobenzene	8.162	146	12476	5.193	ng	99
13) 1,4-Dichlorobenzene	8.314	146	12409	5.100	ng	99
14) 1,2-Dichlorobenzene	8.314	146	12409	5.257	ng	97
15) Benzyl Alcohol	8.502	79	8028	4.158	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.802	45	1985	4.765	ng	83
17) 2-Methylphenol	8.720	107	9015	4.143	ng	93
18) Hexachloroethane	9.372	117	4099	5.570	ng	86
19) n-Nitroso-di-n-propyla...	9.072	70	7609	4.692	ng	97
20) 3+4-Methylphenols	9.043	107	12471	4.089	ng	93
22) Acetophenone	9.102	105	17527	5.022	ng	# 94
24) Nitrobenzene	9.495	77	11827	5.301	ng	95
25) Isophorone	10.012	82	23208	4.863	ng	99
26) 2-Nitrophenol	10.212	139	6192	4.574	ng	90
27) 2,4-Dimethylphenol	10.253	122	9717	4.289	ng	94
28) bis(2-Chloroethoxy)met...	10.494	93	12818	4.862	ng	91
29) 2,4-Dichlorophenol	10.753	162	12197	4.783	ng	99
30) 1,2,4-Trichlorobenzene	10.970	180	14852	5.241	ng	87
31) Naphthalene	11.158	128	34470	4.972	ng	99
32) Benzoic acid	10.418	122	293	0.231	ng	96
33) 4-Chloroaniline	11.264	127	14832	4.583	ng	# 91
34) Hexachlorobutadiene	11.434	225	10647	5.352	ng	94
35) Caprolactam	12.010	113	3624	4.214	ng	91
36) 4-Chloro-3-methylphenol	12.363	107	11036	4.481	ng	95
37) 2-Methylnaphthalene	12.745	142	26002	4.549	ng	96
38) 1-Methylnaphthalene	12.962	142	25803	4.834	ng	93
40) 1,2,4,5-Tetrachloroben...	13.109	216	20322	5.277	ng	97
41) Hexachlorocyclopentadiene	13.079	237	4222	8.275	ng	90
43) 2,4,6-Trichlorophenol	13.344	196	11841	4.771	ng	99

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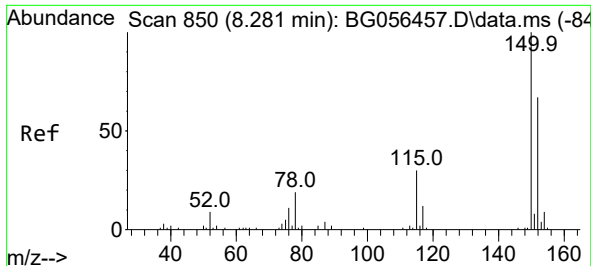
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.420	196	11856	4.080	ng	92
46) 1,1'-Biphenyl	13.732	154	40456	5.291	ng	98
47) 2-Chloronaphthalene	13.779	162	30971	5.182	ng	99
48) 2-Nitroaniline	13.978	65	5453	4.414	ng	96
49) Acenaphthylene	14.619	152	47923	4.929	ng	97
50) Dimethylphthalate	14.331	163	42036	4.929	ng	98
51) 2,6-Dinitrotoluene	14.460	165	8759	4.710	ng	95
52) Acenaphthene	14.960	154	28003	4.857	ng	98
53) 3-Nitroaniline	14.795	138	7758	4.303	ng #	99
54) 2,4-Dinitrophenol	15.036	184	1887	1.618	ng #	95
55) Dibenzofuran	15.289	168	50412	4.875	ng	98
56) 4-Nitrophenol	15.112	139	4247	3.447	ng	84
57) 2,4-Dinitrotoluene	15.247	165	12044	4.598	ng #	92
58) Fluorene	15.935	166	41449	5.038	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.518	232	10557	4.086	ng #	98
60) Diethylphthalate	15.682	149	38306	4.783	ng	97
61) 4-Chlorophenyl-phenyle...	15.917	204	24561	4.892	ng	97
62) 4-Nitroaniline	15.947	138	7730	4.285	ng	95
63) Azobenzene	16.211	77	27135	4.925	ng	94
65) 4,6-Dinitro-2-methylph...	16.017	198	6158	3.229	ng	94
66) n-Nitrosodiphenylamine	16.129	169	36776	4.788	ng	99
67) 4-Bromophenyl-phenylether	16.810	248	16601	4.780	ng	98
68) Hexachlorobenzene	16.940	284	17502	5.145	ng	100
69) Atrazine	17.063	200	15542	5.245	ng	96
70) Pentachlorophenol	17.292	266	3634	1.766	ng #	82
71) Phenanthrene	17.674	178	70251	4.948	ng	98
72) Anthracene	17.768	178	71885	4.932	ng	98
73) Carbazole	18.032	167	59016	4.754	ng	98
74) Di-n-butylphthalate	18.561	149	59174	4.540	ng	98
75) Fluoranthene	19.666	202	87049	4.858	ng	97
77) Benzidine	19.836	184	41374	5.944	ng	98
78) Pyrene	20.030	202	87988	4.810	ng	98
80) Butylbenzylphthalate	20.882	149	25771	4.613	ng	97
81) Benzo(a)anthracene	21.898	228	86763	4.825	ng	95
82) 3,3'-Dichlorobenzidine	21.804	252	34506	5.329	ng	100
83) Chrysene	21.969	228	82282	4.871	ng	95
84) Bis(2-ethylhexyl)phtha...	21.763	149	36345	4.538	ng	99
85) Di-n-octyl phthalate	23.032	149	60702	4.551	ng	99
87) Indeno(1,2,3-cd)pyrene	29.272	276	94737	4.604	ng #	92
88) Benzo(b)fluoranthene	24.249	252	89158	5.110	ng	97
89) Benzo(k)fluoranthene	24.319	252	87296	4.956	ng	98
90) Benzo(a)pyrene	25.177	252	76778	4.467	ng	98
91) Dibenzo(a,h)anthracene	29.331	278	84648	4.901	ng	96
92) Benzo(g,h,i)perylene	30.500	276	80344	4.821	ng	96

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

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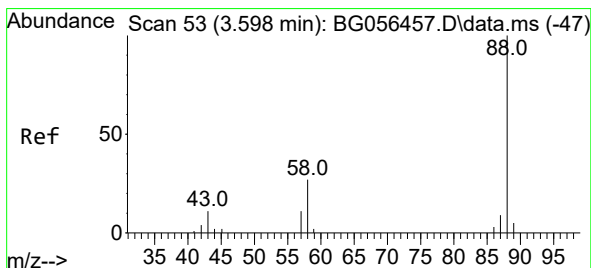
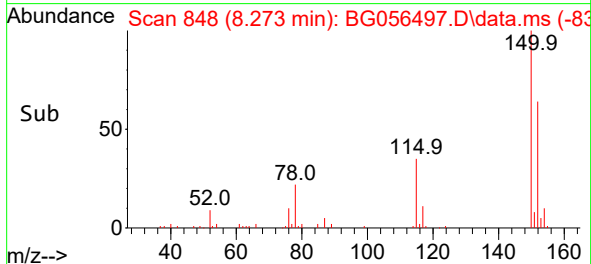
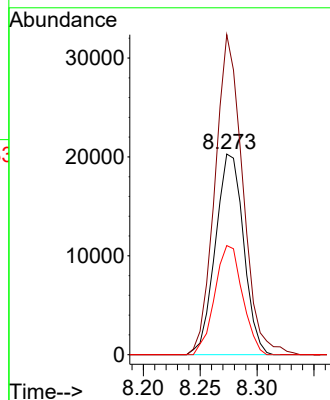
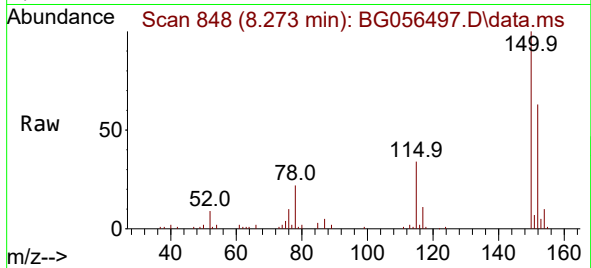




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.273 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

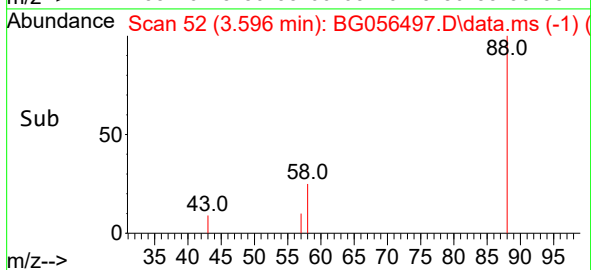
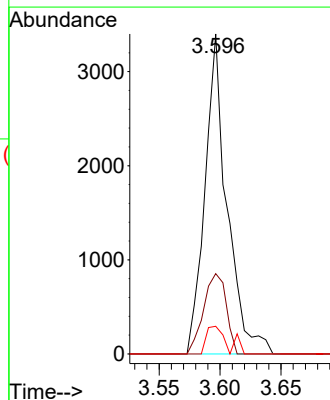
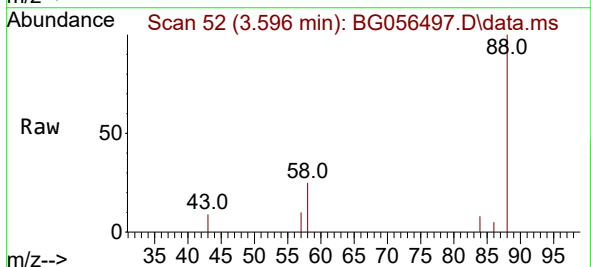
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

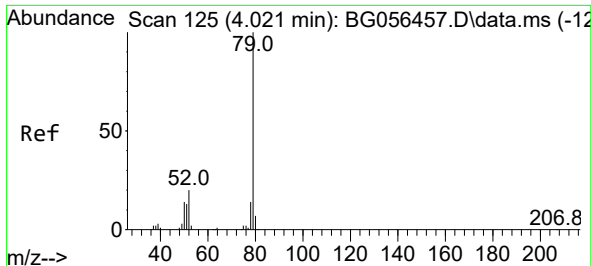
Tgt Ion:152 Resp: 34941
Ion Ratio Lower Upper
152 100
150 159.5 120.2 180.4
115 54.4 36.3 54.5



#2
1,4-Dioxane
Concen: 5.414 ng
RT: 3.596 min Scan# 52
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion: 88 Resp: 4282
Ion Ratio Lower Upper
88 100
58 25.7 23.0 34.4
43 8.2 8.0 12.0





#3

Pyridine

Concen: 4.387 ng

RT: 4.025 min Scan# 11

Delta R.T. 0.004 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

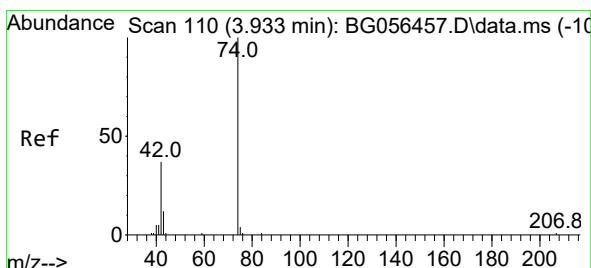
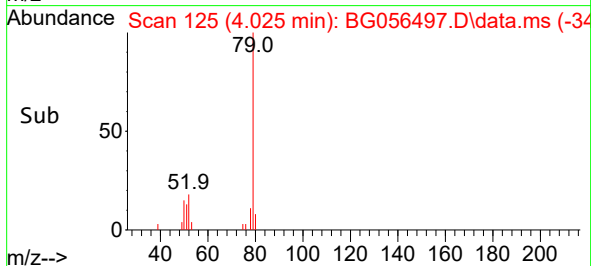
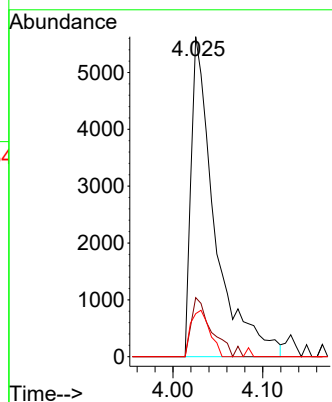
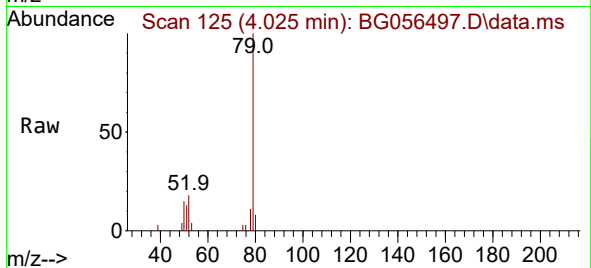
Tgt Ion: 79 Resp: 10344

Ion Ratio Lower Upper

79 100

52 18.4 16.1 24.1

51 13.4 10.7 16.1



#4

n-Nitrosodimethylamine

Concen: 4.743 ng

RT: 3.931 min Scan# 109

Delta R.T. 0.004 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

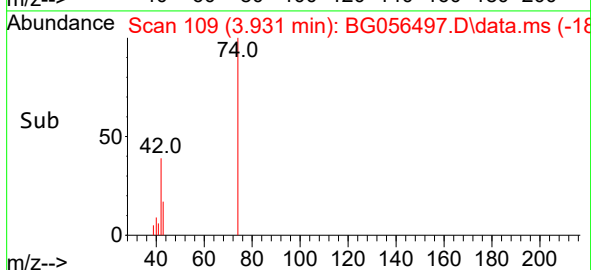
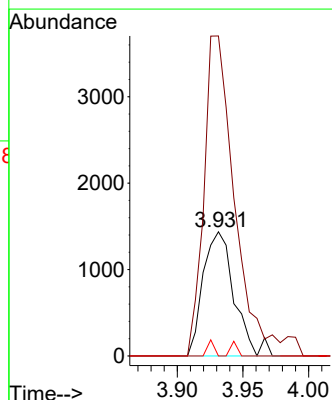
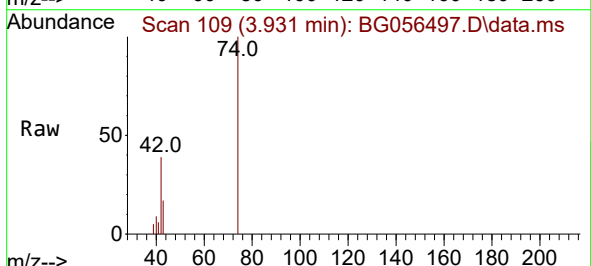
Tgt Ion: 42 Resp: 2378

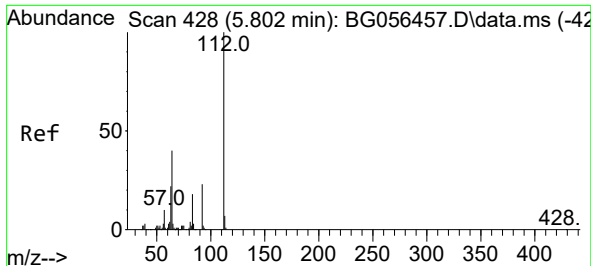
Ion Ratio Lower Upper

42 100

74 257.8 217.9 326.9

44 0.0 3.0 4.6#

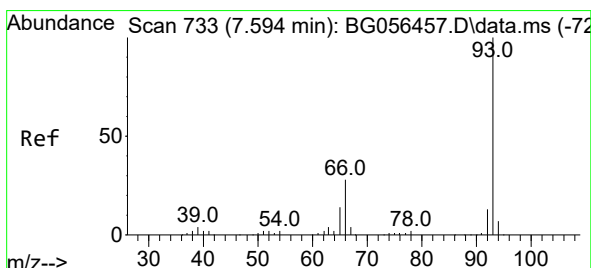
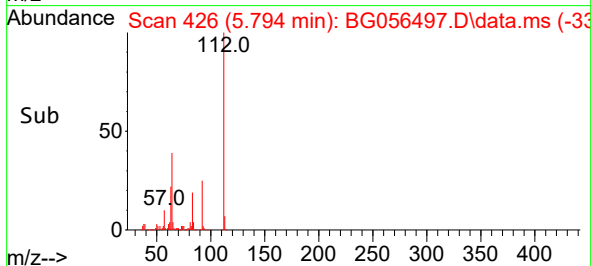
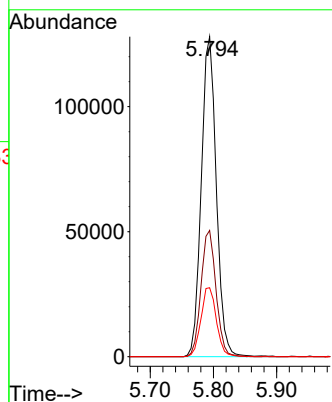
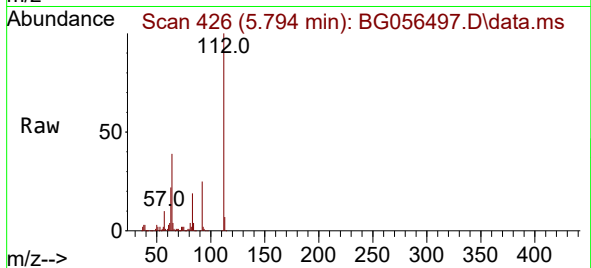




#5
2-Fluorophenol
Concen: 111.358 ng
RT: 5.794 min Scan# 41
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

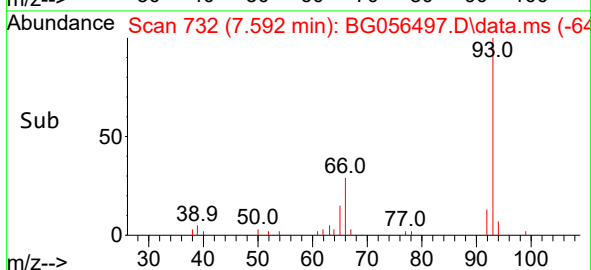
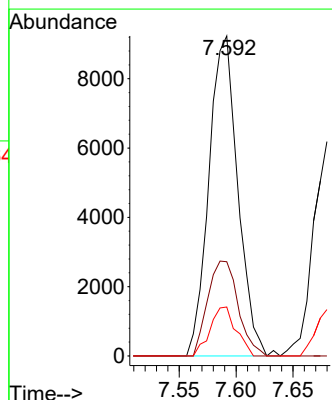
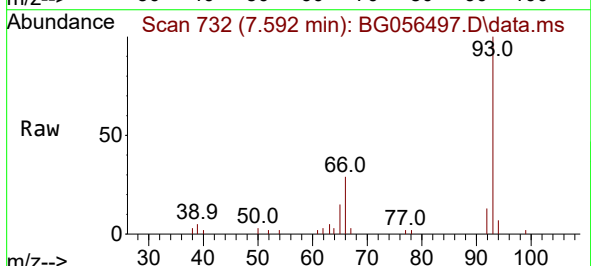
Instrument :
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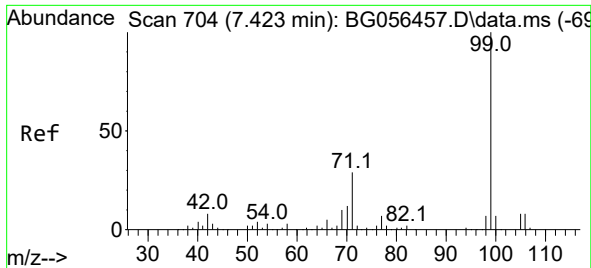
Tgt Ion:112 Resp: 211514
Ion Ratio Lower Upper
112 100
64 39.5 31.9 47.9
63 21.5 17.4 26.0



#6
Aniline
Concen: 4.435 ng
RT: 7.592 min Scan# 732
Delta R.T. 0.004 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion: 93 Resp: 16340
Ion Ratio Lower Upper
93 100
66 29.5 22.2 33.2
65 15.3 11.3 16.9

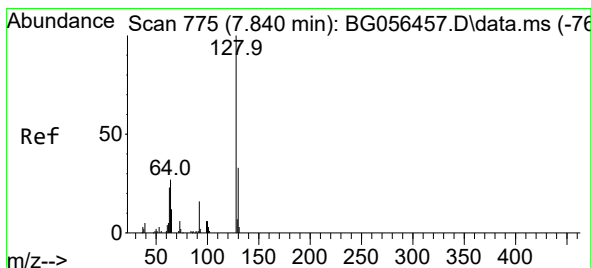
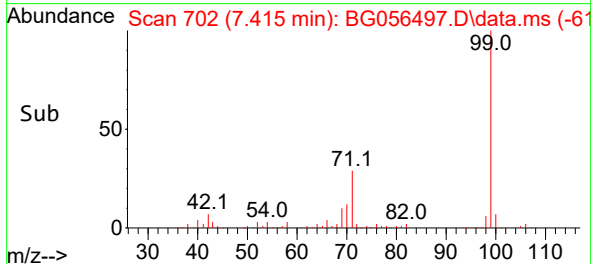
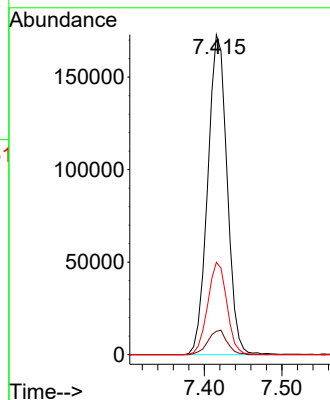
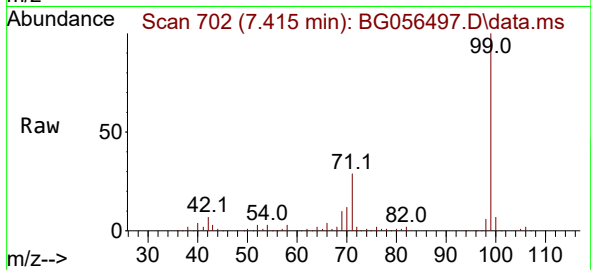




#7
Phenol-d6
Concen: 106.561 ng
RT: 7.415 min Scan# 704
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

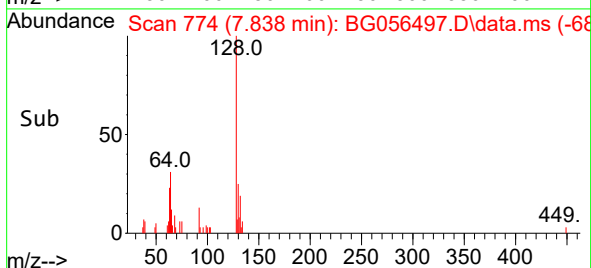
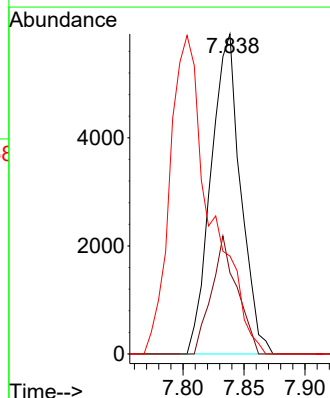
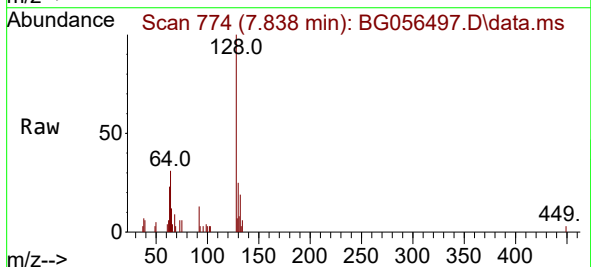
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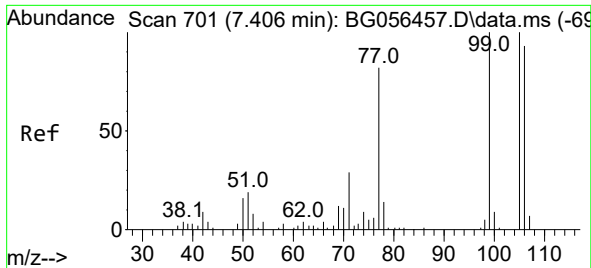
Tgt Ion: 99 Resp: 299893
Ion Ratio Lower Upper
99 100
42 7.3 6.6 10.0
71 28.8 23.4 35.0



#8
2-Chlorophenol
Concen: 4.805 ng
RT: 7.838 min Scan# 774
Delta R.T. 0.004 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:128 Resp: 10027
Ion Ratio Lower Upper
128 100
130 25.3 12.8 52.8
64 30.6 11.3 51.3

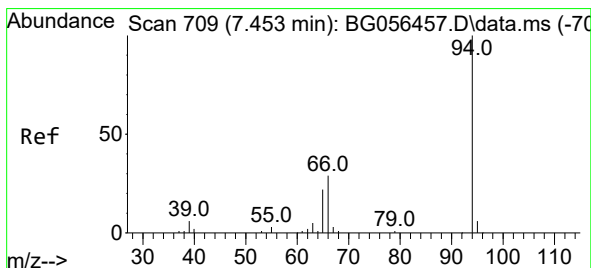
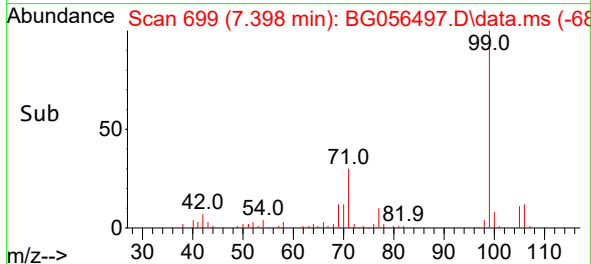
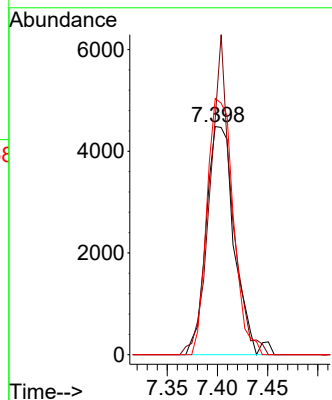
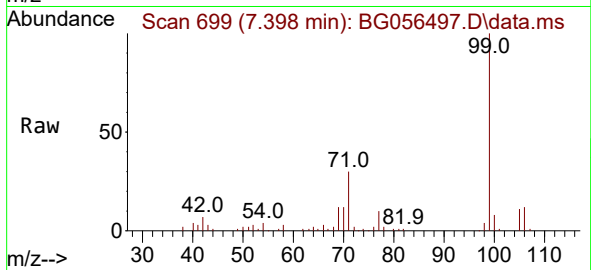




#9
Benzaldehyde
Concen: 5.016 ng
RT: 7.398 min Scan# 699
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

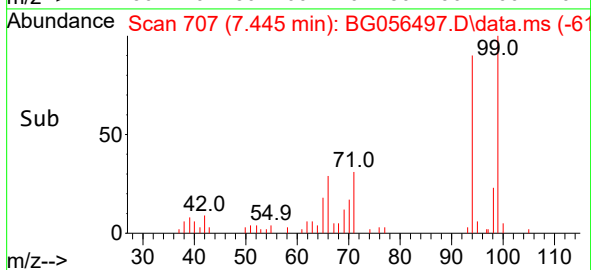
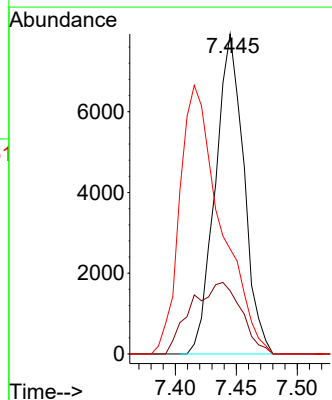
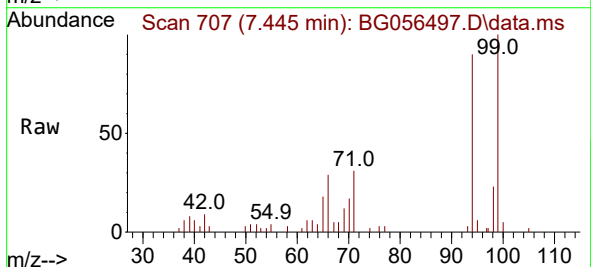
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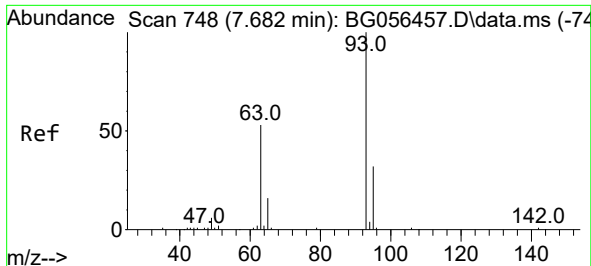
Tgt Ion: 77 Resp: 8781
Ion Ratio Lower Upper
77 100
105 103.5 101.8 141.8
106 112.3 93.0 133.0



#10
Phenol
Concen: 4.511 ng
RT: 7.445 min Scan# 707
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion: 94 Resp: 12903
Ion Ratio Lower Upper
94 100
65 19.7 2.3 42.3
66 32.8 11.2 51.2

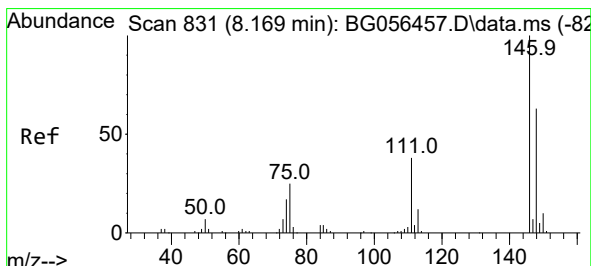
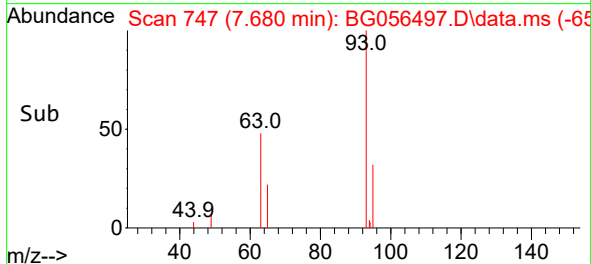
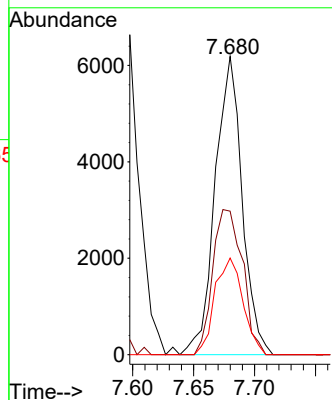
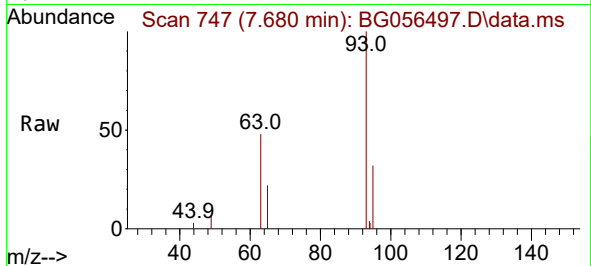




#11
bis(2-Chloroethyl)ether
Concen: 4.861 ng
RT: 7.680 min Scan# 748
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

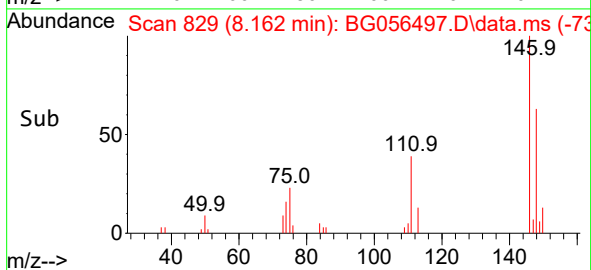
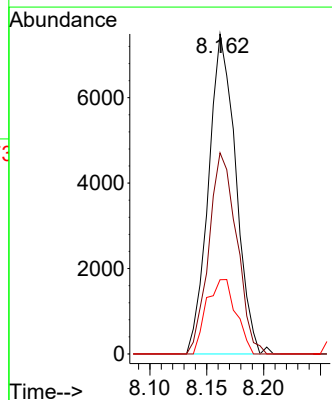
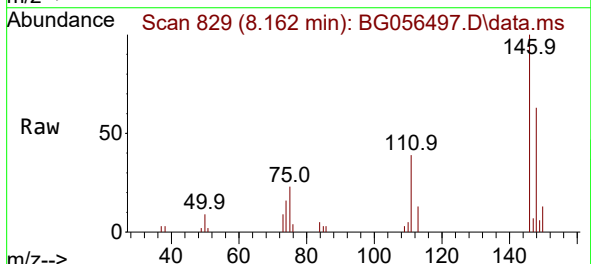
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

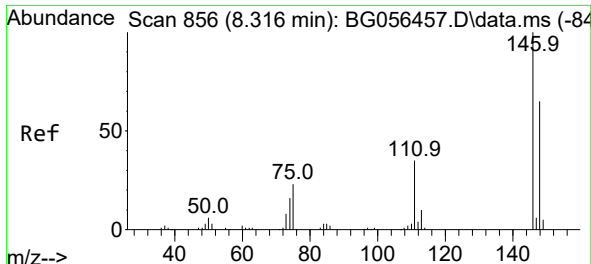
Tgt Ion: 93	Resp:	9558	
Ion	Ratio	Lower	Upper
93	100		
63	48.1	32.4	72.4
95	32.4	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 5.193 ng
RT: 8.162 min Scan# 829
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:146	Resp:	12476	
Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	75.8
75	23.2	19.6	29.4

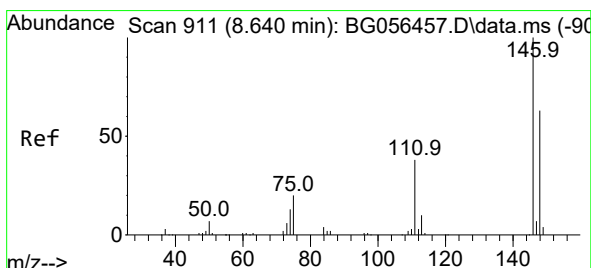
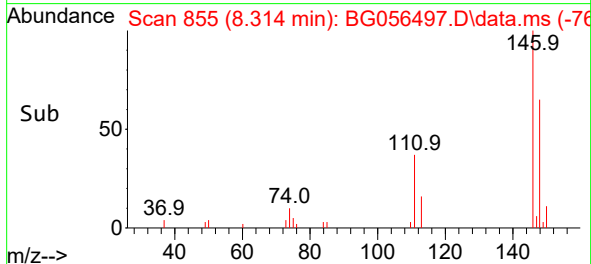
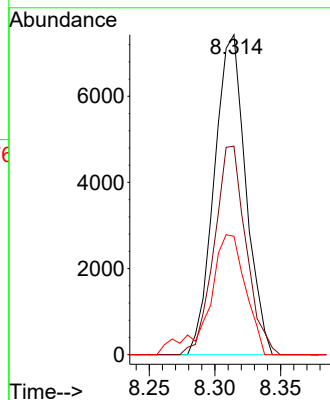
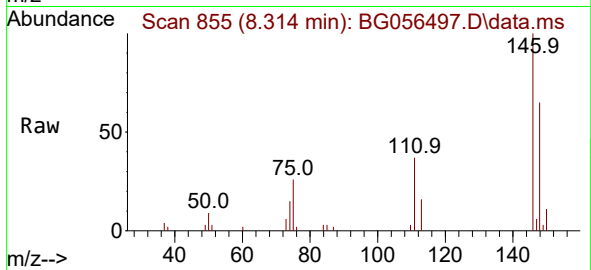




#13
1,4-Dichlorobenzene
Concen: 5.100 ng
RT: 8.314 min Scan# 856
Delta R.T. 0.004 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

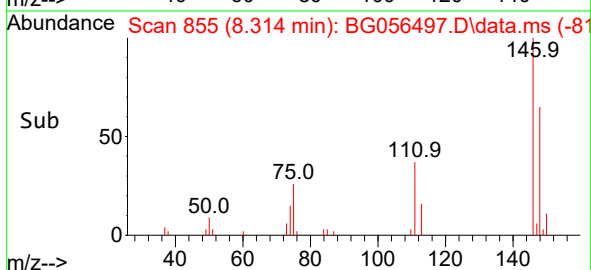
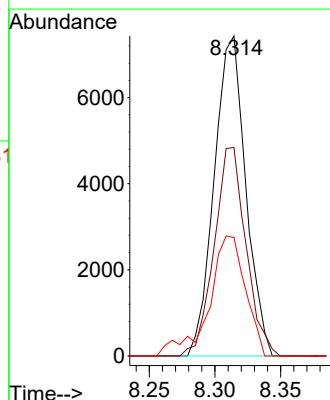
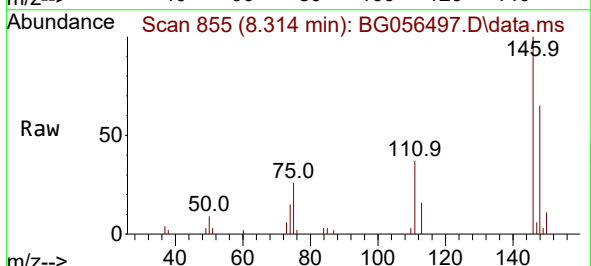
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

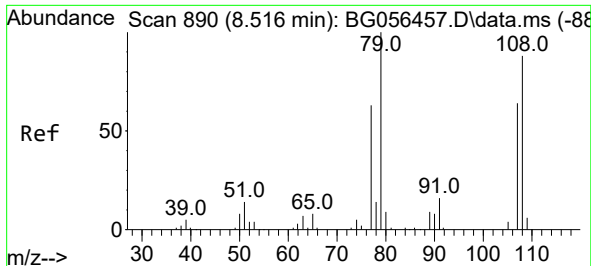
Tgt Ion:146 Resp: 12409
Ion Ratio Lower Upper
146 100
148 65.2 51.8 77.6
111 37.0 28.6 42.8



#14
1,2-Dichlorobenzene
Concen: 5.257 ng
RT: 8.314 min Scan# 855
Delta R.T. -0.319 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:146 Resp: 12409
Ion Ratio Lower Upper
146 100
148 65.2 50.1 75.1
111 37.0 30.9 46.3

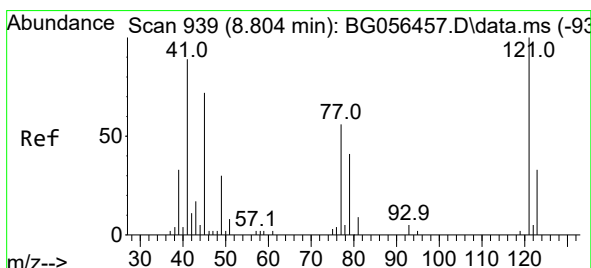
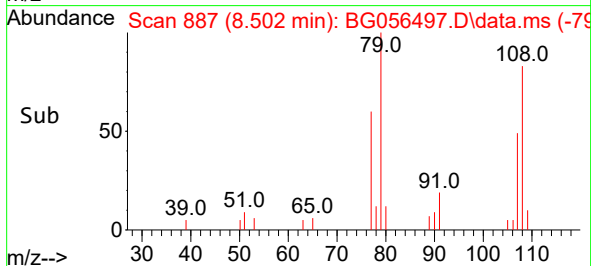
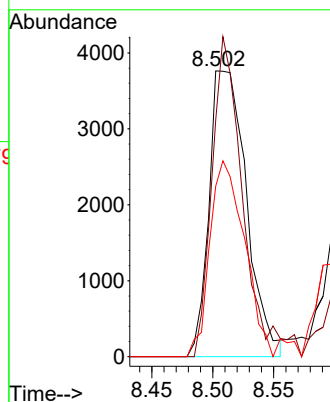
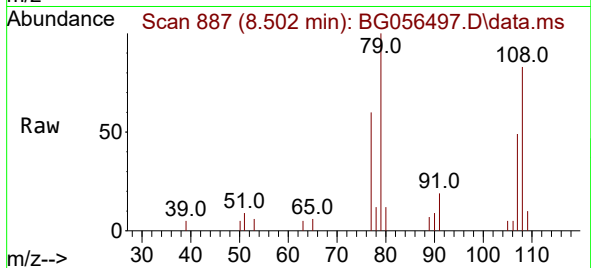




#15
Benzyl Alcohol
Concen: 4.158 ng
RT: 8.502 min Scan# 890
Delta R.T. -0.008 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

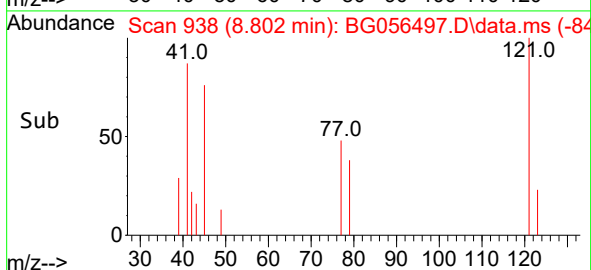
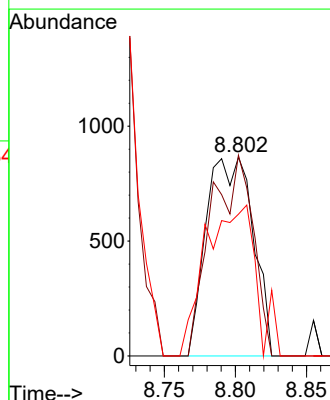
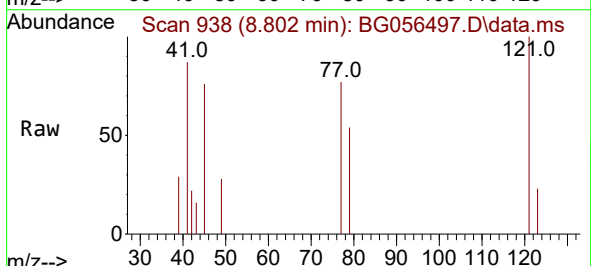
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

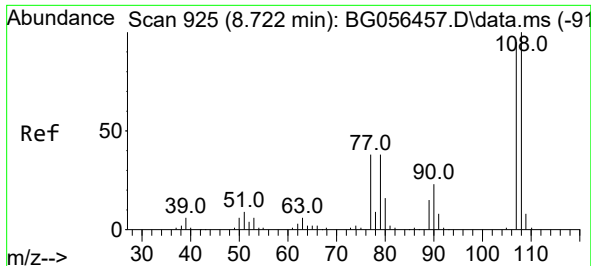
Tgt Ion: 79 Resp: 8028
Ion Ratio Lower Upper
79 100
108 82.8 70.1 105.1
77 59.7 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.765 ng
RT: 8.802 min Scan# 938
Delta R.T. 0.010 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion: 45 Resp: 1985
Ion Ratio Lower Upper
45 100
77 101.0 62.1 102.1
79 71.3 42.7 82.7

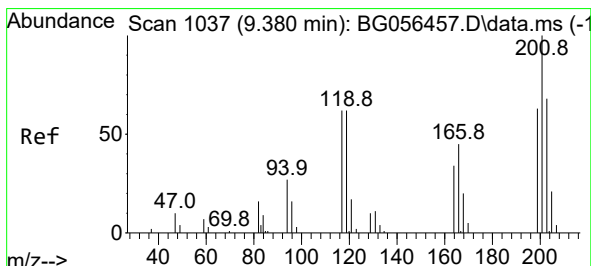
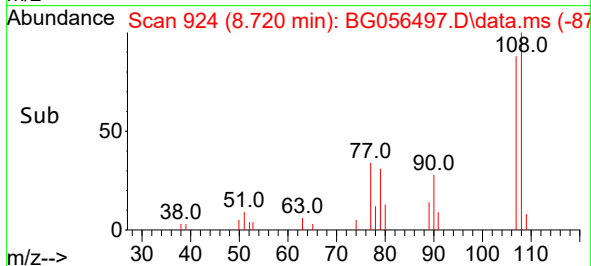
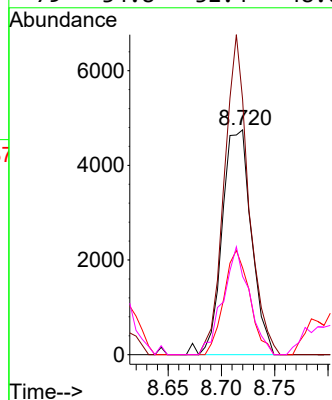
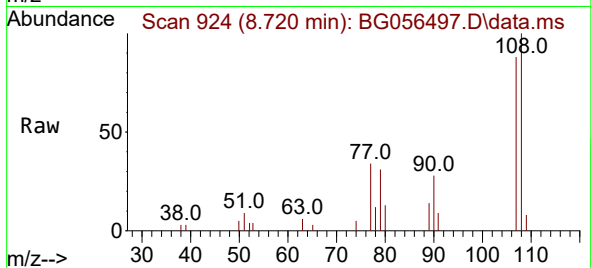




#17
2-Methylphenol
Concen: 4.143 ng
RT: 8.720 min Scan# 91
Delta R.T. 0.004 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

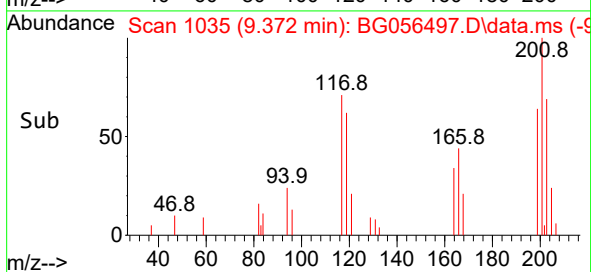
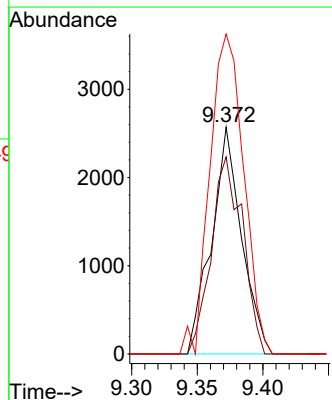
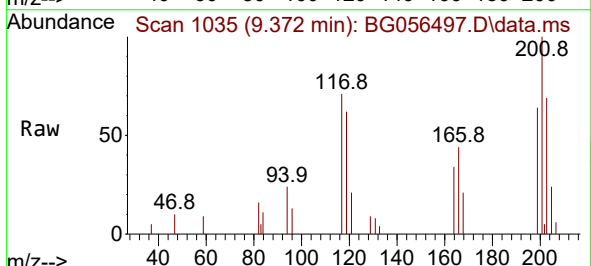
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

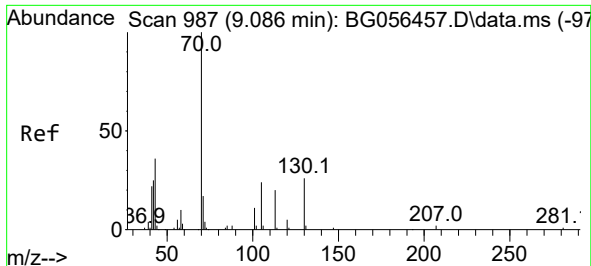
Tgt Ion:	107	Resp:	9015
Ion	Ratio	Lower	Upper
107	100		
108	113.5	83.9	125.9
77	38.7	31.6	47.4
79	34.8	32.4	48.6



#18
Hexachloroethane
Concen: 5.570 ng
RT: 9.372 min Scan# 1035
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:	117	Resp:	4099
Ion	Ratio	Lower	Upper
117	100		
119	87.0	79.4	119.0
201	141.1	128.5	192.7

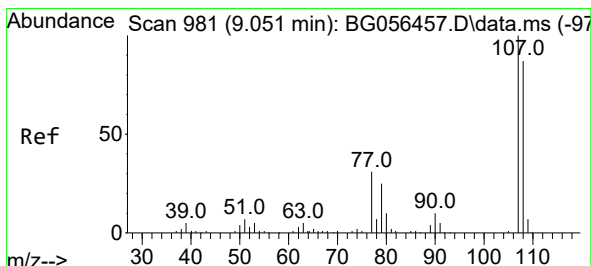
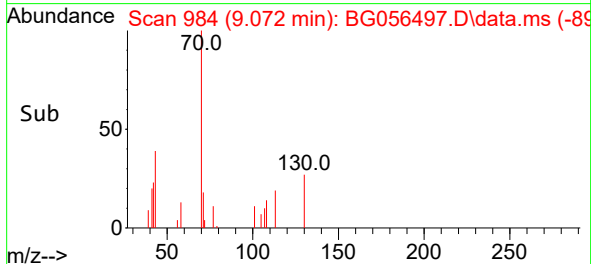
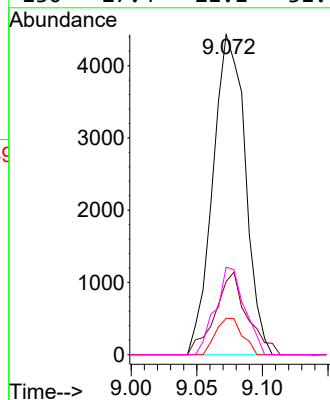
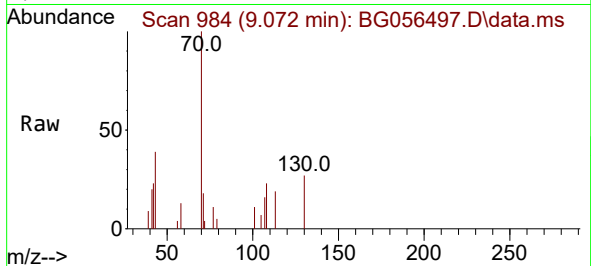




#19
n-Nitroso-di-n-propylamine
Concen: 4.692 ng
RT: 9.072 min Scan# 910
Delta R.T. -0.008 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

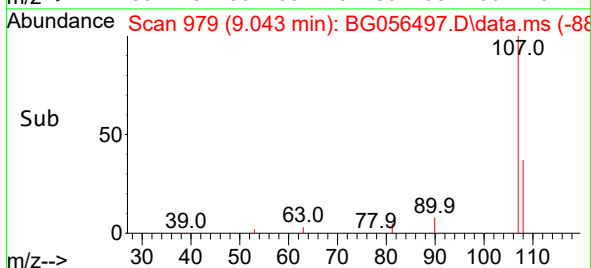
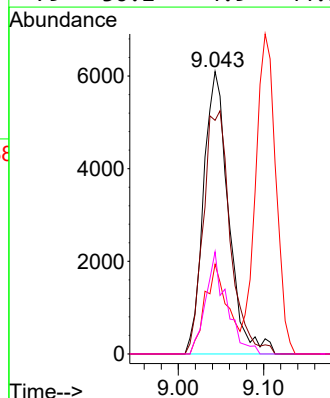
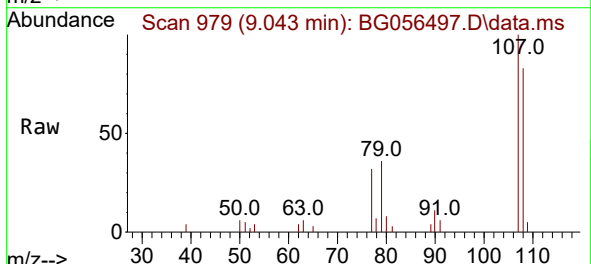
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

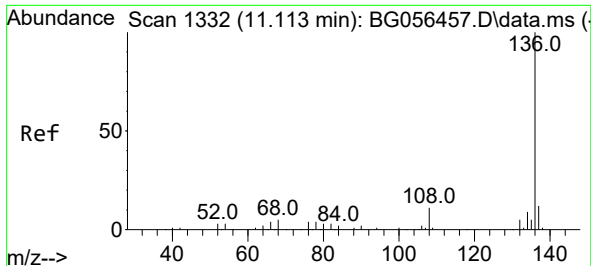
Tgt Ion: 70	Resp: 7609
Ion Ratio	Lower Upper
70 100	
42 22.8	20.2 30.4
101 11.3	9.1 13.7
130 27.4	21.1 31.7



#20
3+4-Methylphenols
Concen: 4.089 ng
RT: 9.043 min Scan# 979
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt	Ion:107	Resp:	12471
Ion	Ratio	Lower	Upper
107	100		
108	82.7	66.7	106.7
77	31.8	10.6	50.6
79	36.2	4.9	44.9

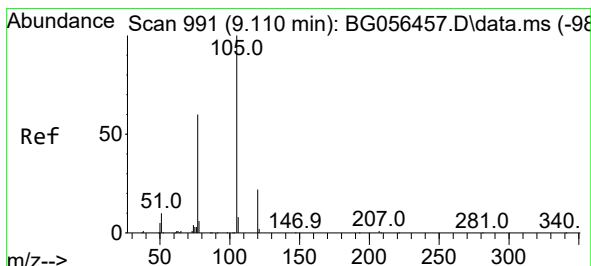
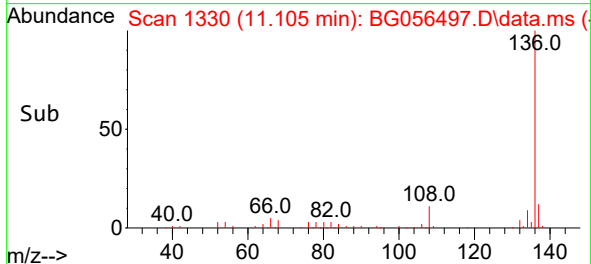
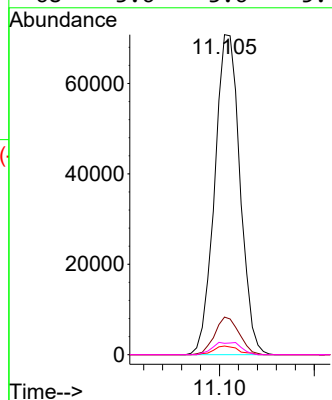
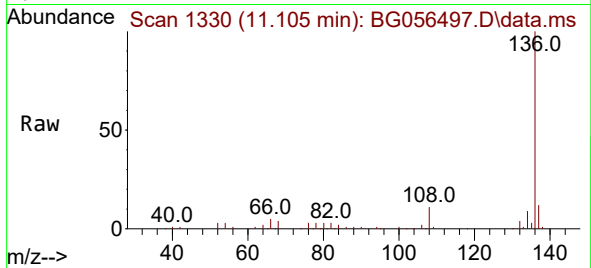




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 1332
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

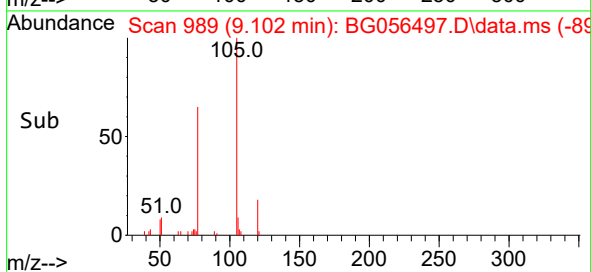
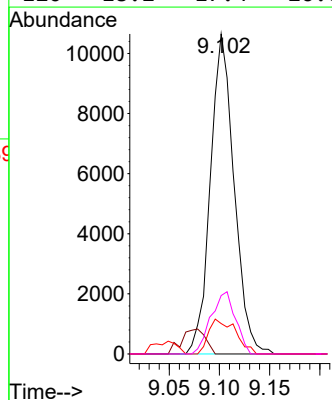
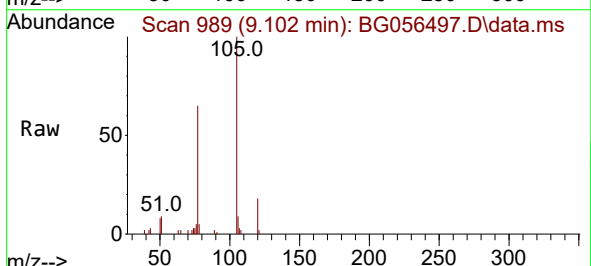
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

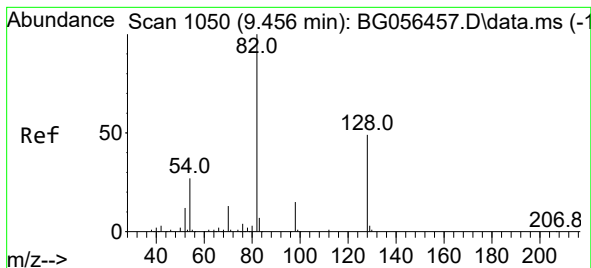
Tgt Ion:136 Resp: 131355
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 2.7 2.2 3.4
68 3.6 3.6 5.4#



#22
Acetophenone
Concen: 5.022 ng
RT: 9.102 min Scan# 989
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:105 Resp: 17527
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8#
51 9.5 9.2 13.8
120 18.2 17.4 26.0





#23

Nitrobenzene-d5

Concen: 73.065 ng

RT: 9.448 min Scan# 1048

Delta R.T. -0.008 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

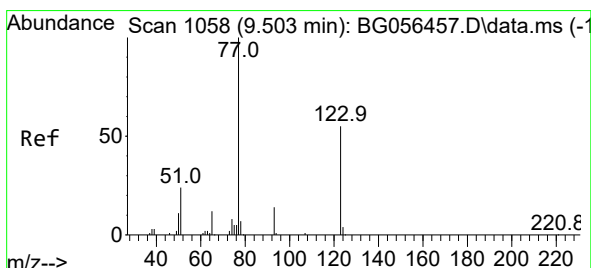
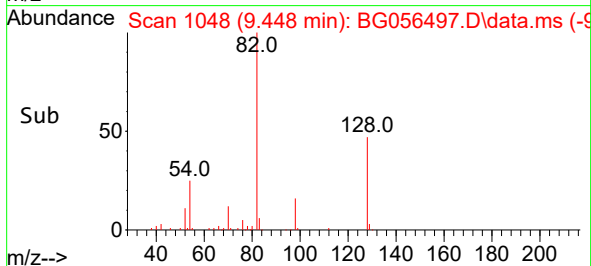
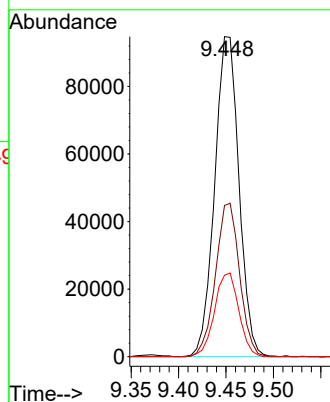
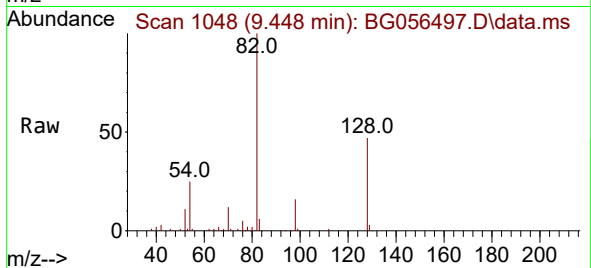
Tgt Ion: 82 Resp: 169015

Ion Ratio Lower Upper

82 100

128 47.2 39.4 59.2

54 25.5 21.4 32.2



#24

Nitrobenzene

Concen: 5.301 ng

RT: 9.495 min Scan# 1056

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

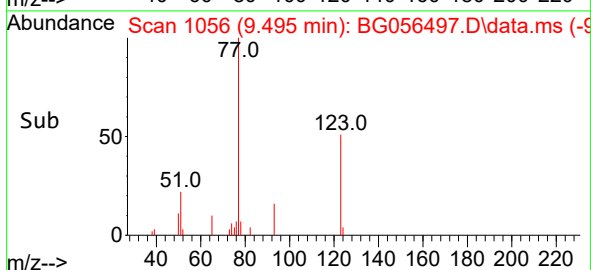
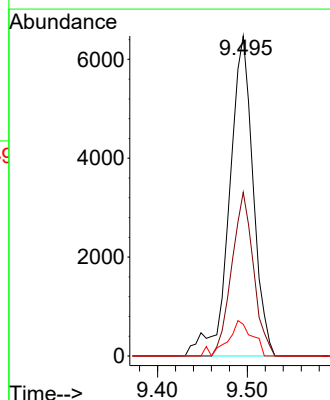
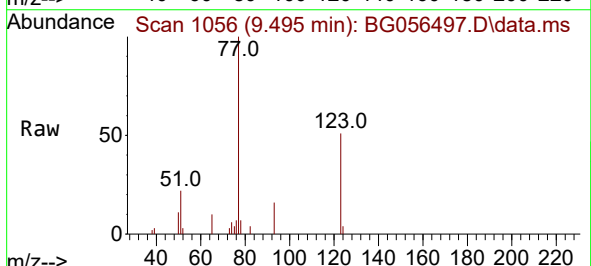
Tgt Ion: 77 Resp: 11827

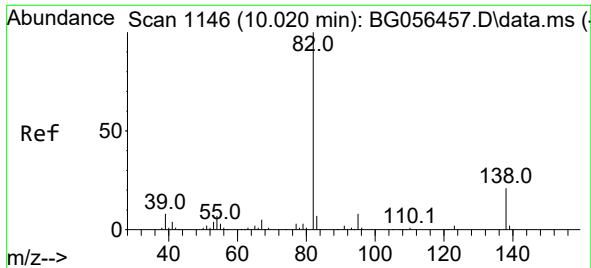
Ion Ratio Lower Upper

77 100

123 51.2 44.0 66.0

65 9.9 9.7 14.5

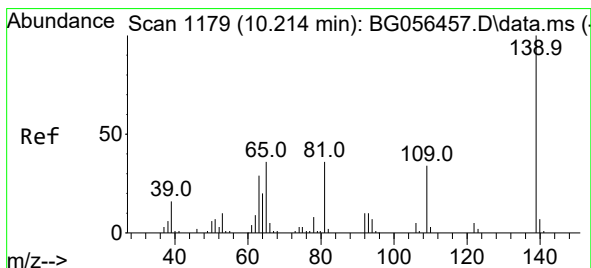
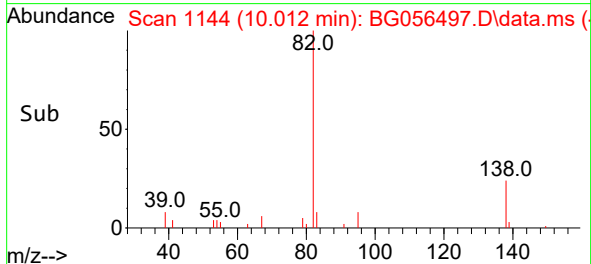
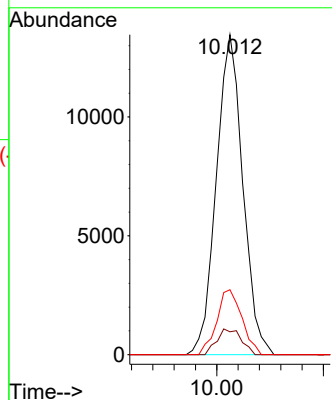
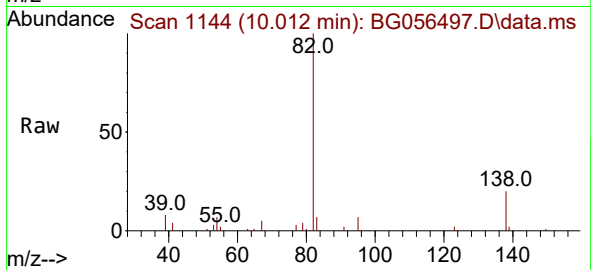




#25
Isophorone
Concen: 4.863 ng
RT: 10.012 min Scan# 1144
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

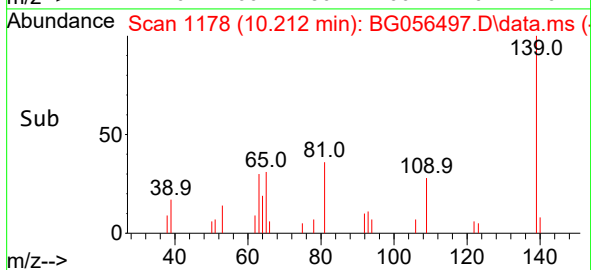
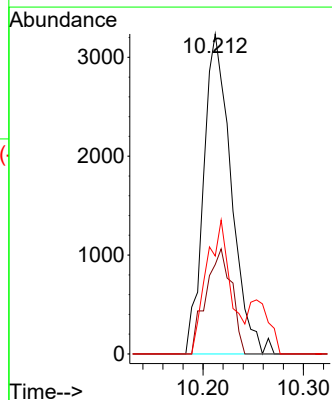
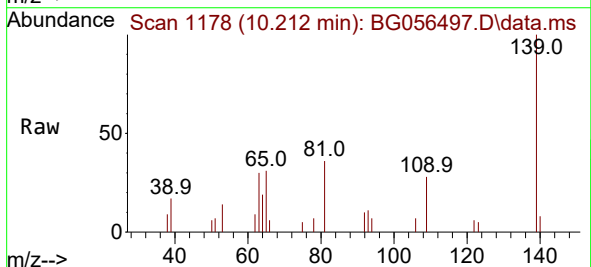
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

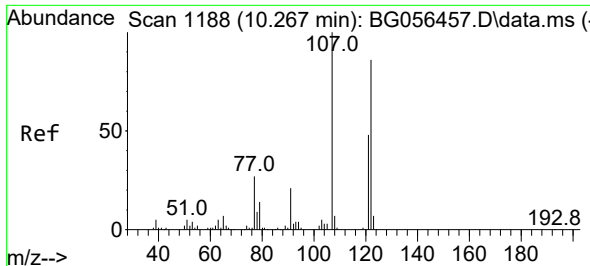
Tgt Ion: 82 Resp: 23208
Ion Ratio Lower Upper
82 100
95 7.2 6.3 9.5
138 20.3 16.6 25.0



#26
2-Nitrophenol
Concen: 4.574 ng
RT: 10.212 min Scan# 1178
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:139 Resp: 6192
Ion Ratio Lower Upper
139 100
109 27.9 26.9 40.3
65 30.6 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 4.289 ng

RT: 10.253 min Scan# 1185

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

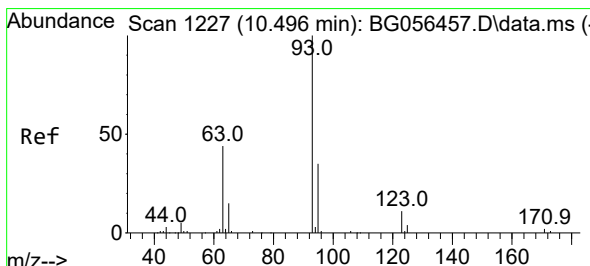
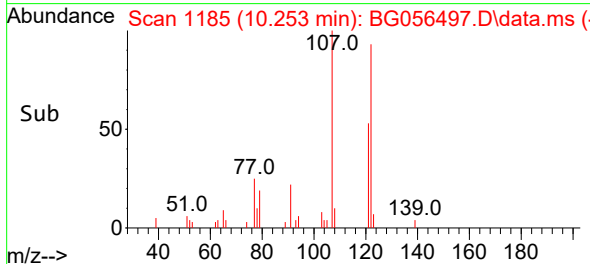
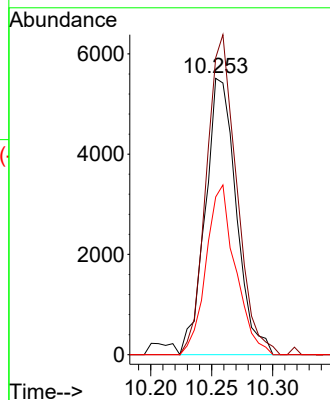
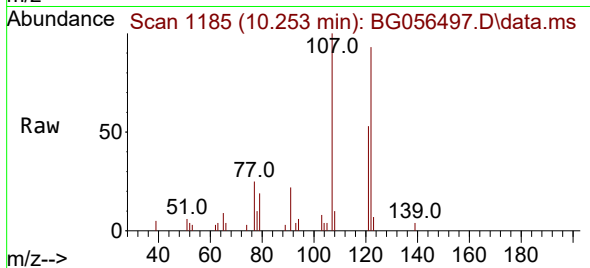
Tgt Ion:122 Resp: 9717

Ion Ratio Lower Upper

122 100

107 107.4 92.9 139.3

121 57.1 45.0 67.4



#28

bis(2-Chloroethoxy)methane

Concen: 4.862 ng

RT: 10.494 min Scan# 1226

Delta R.T. 0.004 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

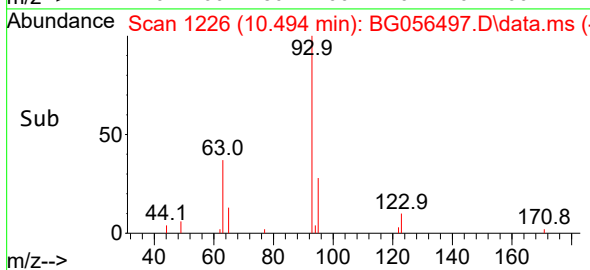
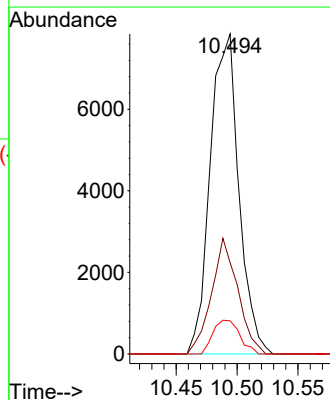
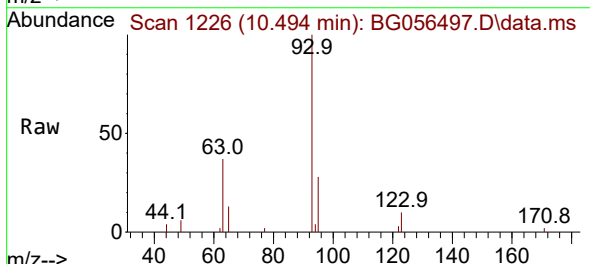
Tgt Ion: 93 Resp: 12818

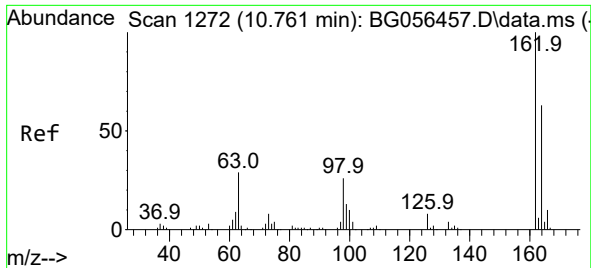
Ion Ratio Lower Upper

93 100

95 28.5 27.9 41.9

123 10.3 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 4.783 ng

RT: 10.753 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

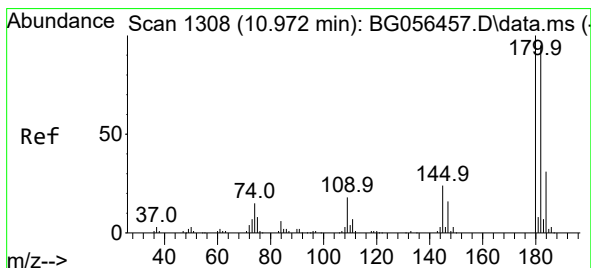
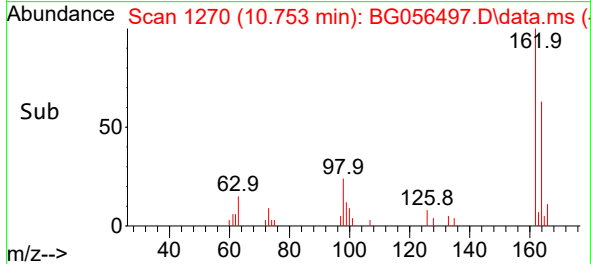
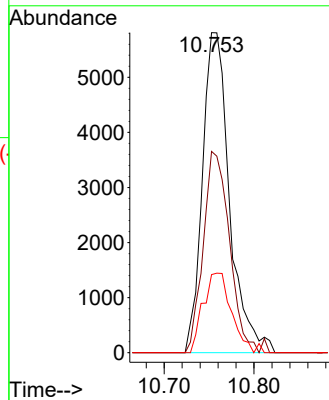
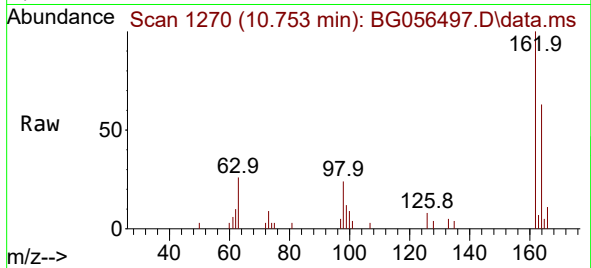
Tgt Ion:162 Resp: 12197

Ion Ratio Lower Upper

162 100

164 62.9 42.8 82.8

98 24.4 6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 5.241 ng

RT: 10.970 min Scan# 1307

Delta R.T. 0.004 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

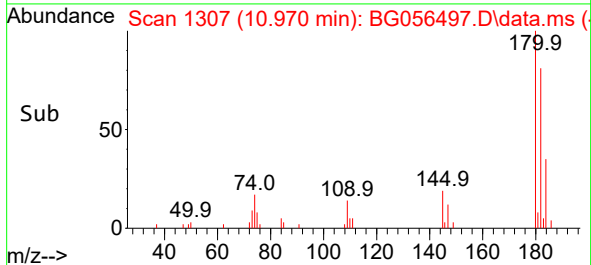
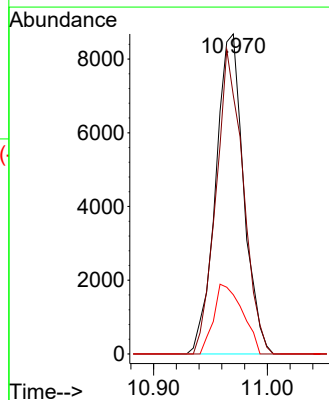
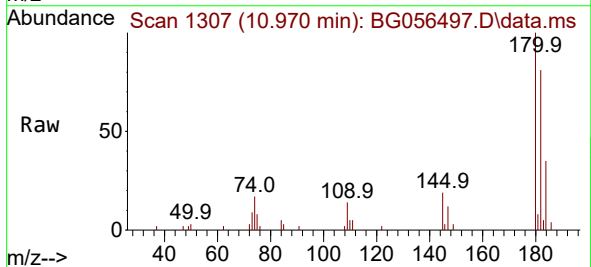
Tgt Ion:180 Resp: 14852

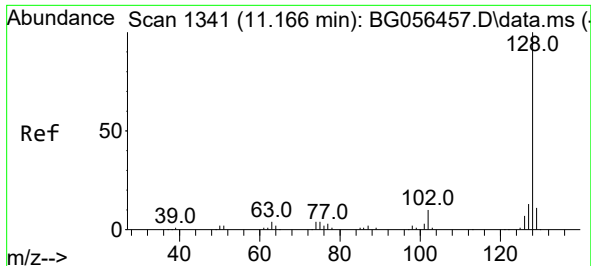
Ion Ratio Lower Upper

180 100

182 80.7 75.9 113.9

145 21.5 19.4 29.0

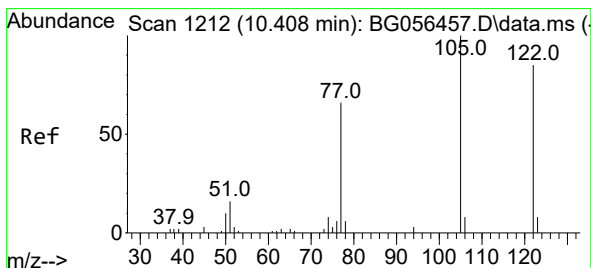
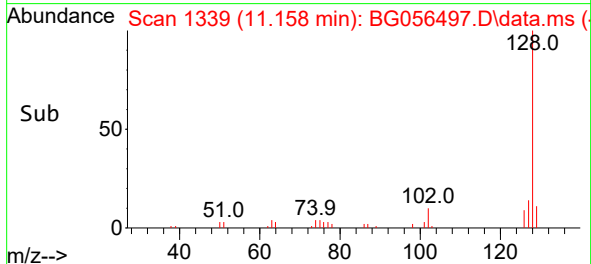
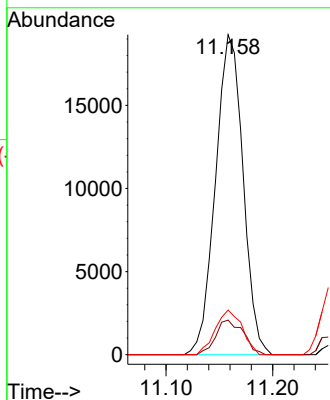
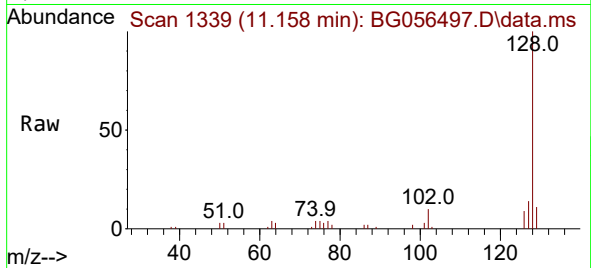




#31
Naphthalene
Concen: 4.972 ng
RT: 11.158 min Scan# 1113
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

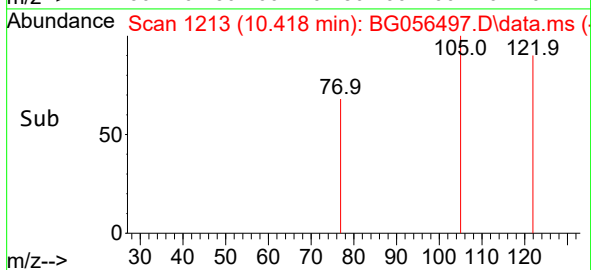
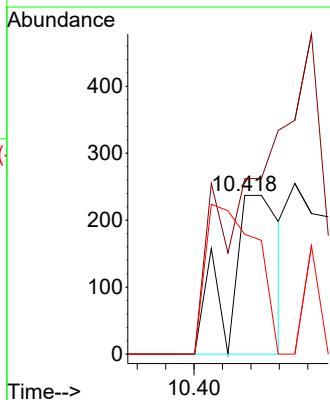
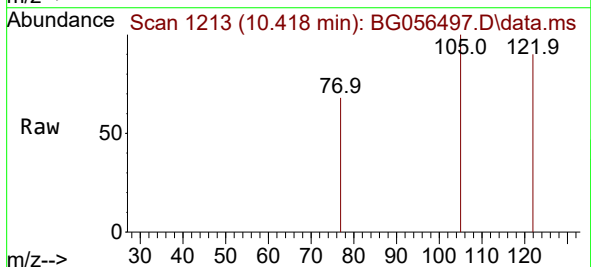
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

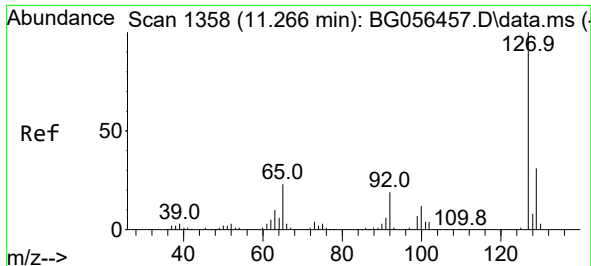
Tgt Ion:128 Resp: 34470
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 14.0 10.4 15.6



#32
Benzoic acid
Concen: 0.231 ng
RT: 10.418 min Scan# 1213
Delta R.T. 0.015 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:122 Resp: 293
Ion Ratio Lower Upper
122 100
105 110.5 96.5 136.5
77 75.5 57.3 97.3

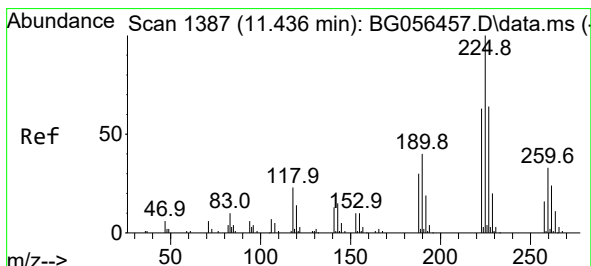
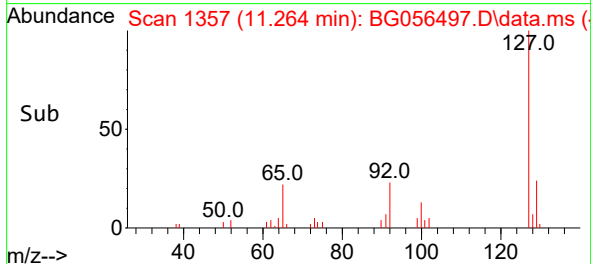
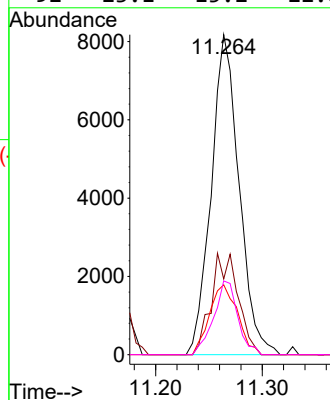
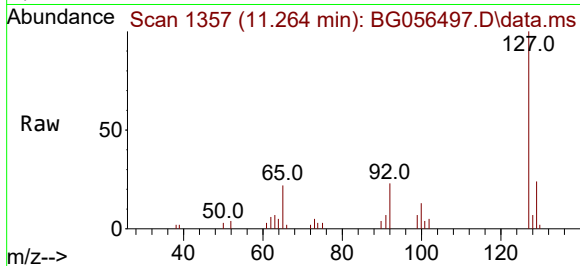




#33
4-Chloroaniline
Concen: 4.583 ng
RT: 11.264 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

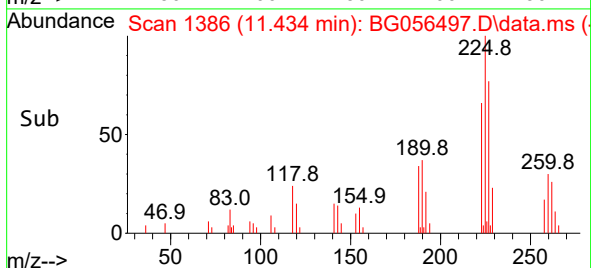
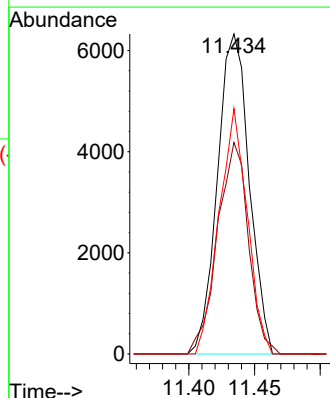
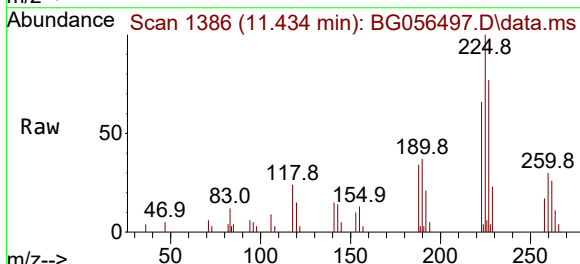
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

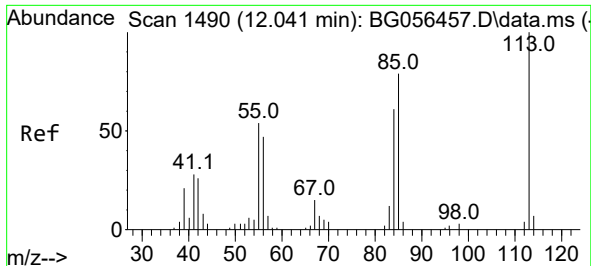
Tgt Ion:	127	Resp:	14832
Ion	Ratio	Lower	Upper
127	100		
129	23.7	25.0	37.6#
65	21.8	18.5	27.7
92	23.1	15.2	22.8#



#34
Hexachlorobutadiene
Concen: 5.352 ng
RT: 11.434 min Scan# 1386
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:	225	Resp:	10647
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.6	75.8
227	75.7	53.7	80.5

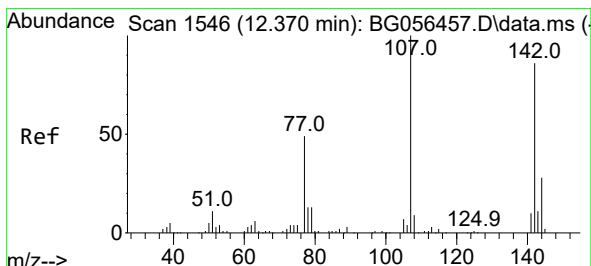
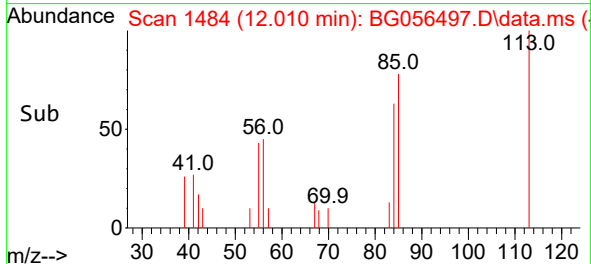
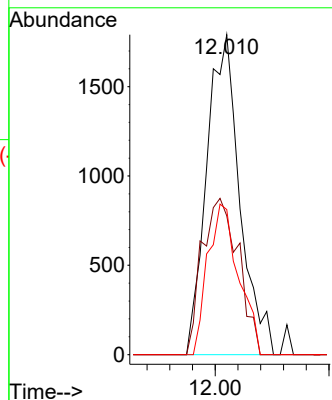
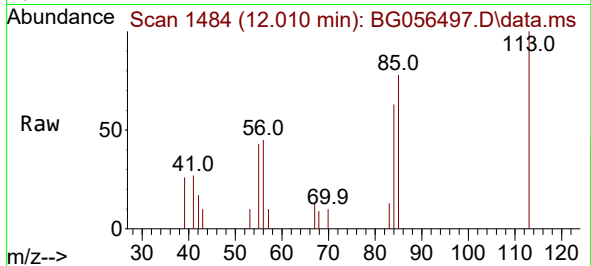




#35
Caprolactam
Concen: 4.214 ng
RT: 12.010 min Scan# 1490
Delta R.T. -0.020 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

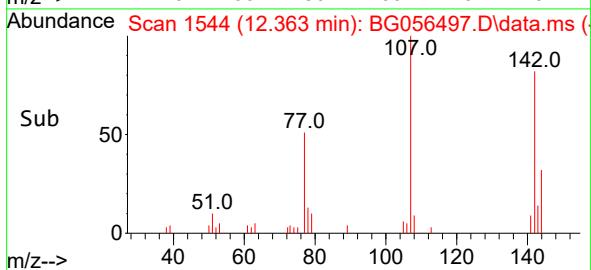
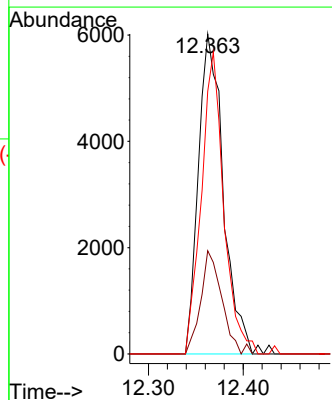
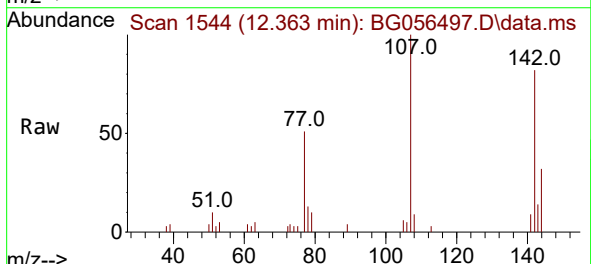
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

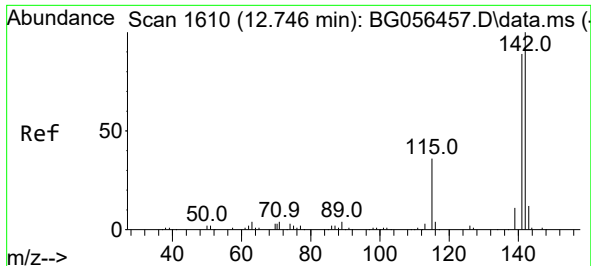
Tgt Ion:113 Resp: 3624
Ion Ratio Lower Upper
113 100
55 43.4 33.7 73.7
56 45.3 27.1 67.1



#36
4-Chloro-3-methylphenol
Concen: 4.481 ng
RT: 12.363 min Scan# 1544
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:107 Resp: 11036
Ion Ratio Lower Upper
107 100
144 32.3 22.3 33.5
142 82.0 68.9 103.3





#37

2-Methylnaphthalene

Concen: 4.549 ng

RT: 12.745 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

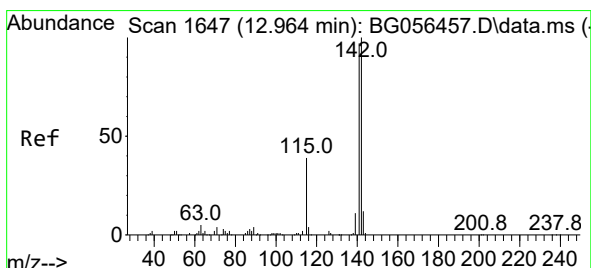
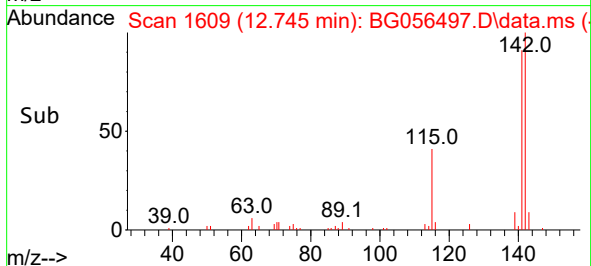
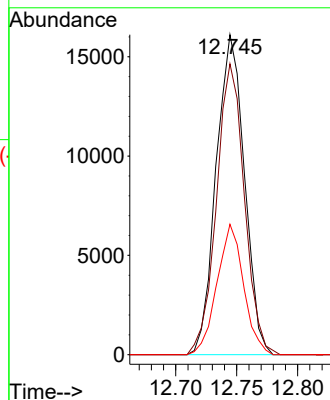
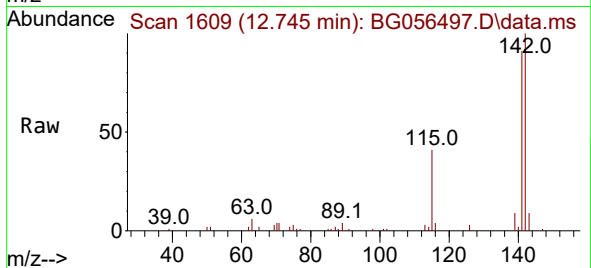
Tgt Ion:142 Resp: 26002

Ion Ratio Lower Upper

142 100

141 90.9 71.4 107.0

115 40.8 28.4 42.6



#38

1-Methylnaphthalene

Concen: 4.834 ng

RT: 12.962 min Scan# 1646

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

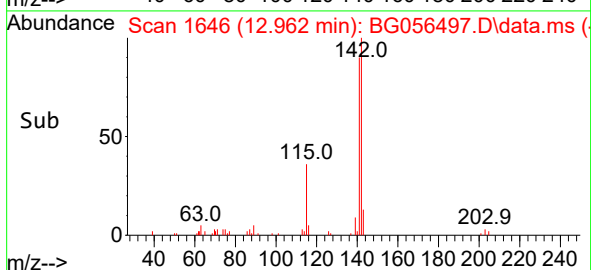
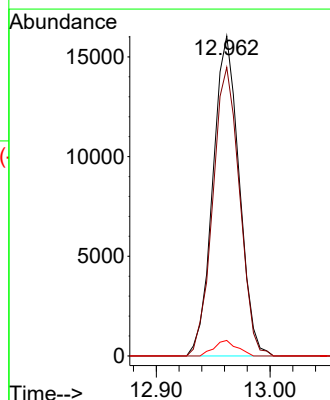
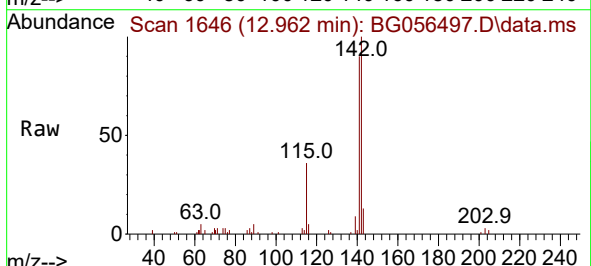
Tgt Ion:142 Resp: 25803

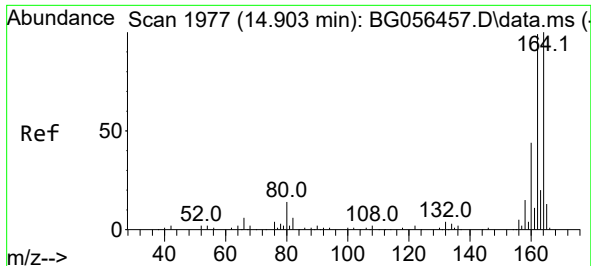
Ion Ratio Lower Upper

142 100

141 90.2 77.7 116.5

116 4.9 3.4 5.2

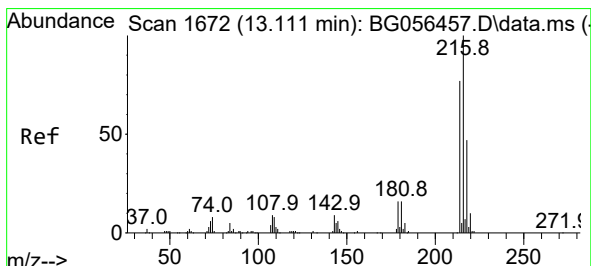
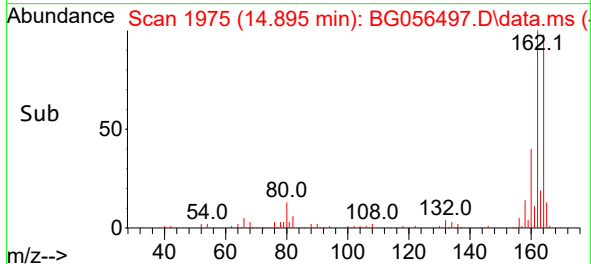
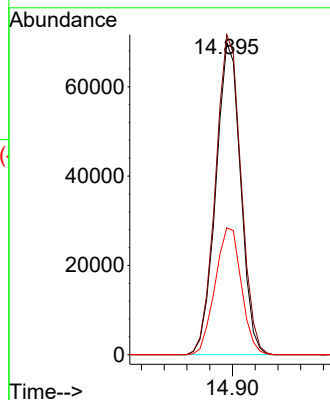
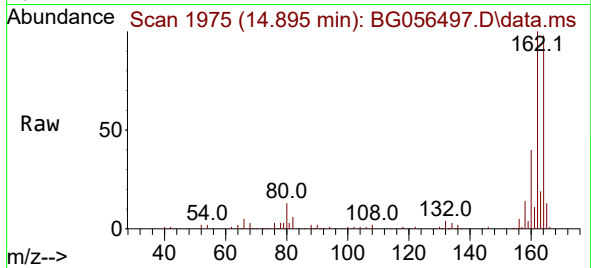




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.895 min Scan# 1975
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

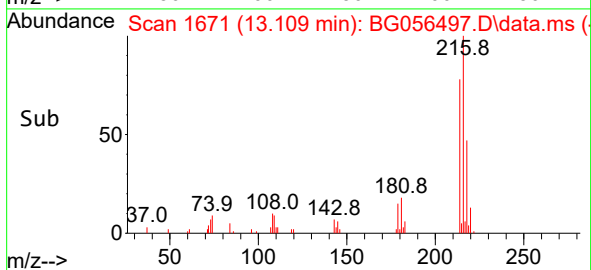
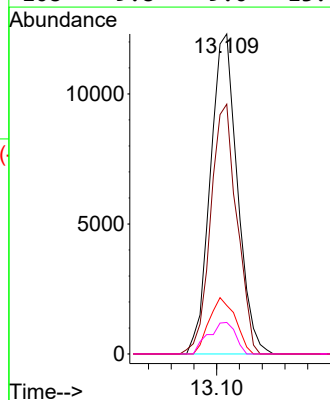
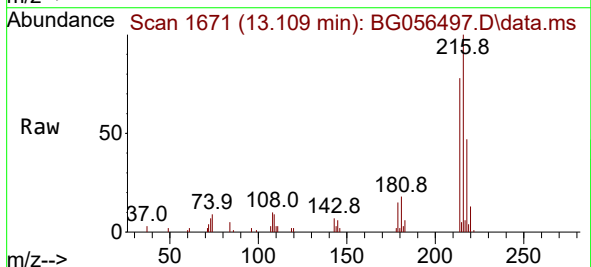
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

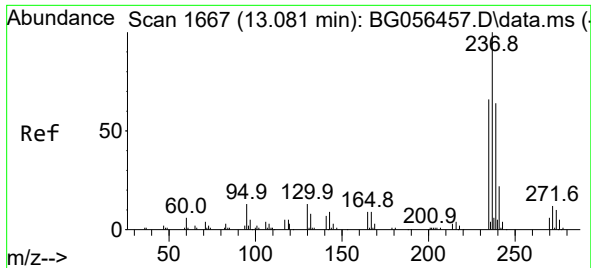
Tgt Ion:164 Resp: 105411
Ion Ratio Lower Upper
164 100
162 102.5 79.6 119.4
160 40.7 34.9 52.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.277 ng
RT: 13.109 min Scan# 1671
Delta R.T. 0.004 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:216 Resp: 20322
Ion Ratio Lower Upper
216 100
214 75.5 63.0 94.6
179 17.1 14.1 21.1
108 9.8 9.0 13.6

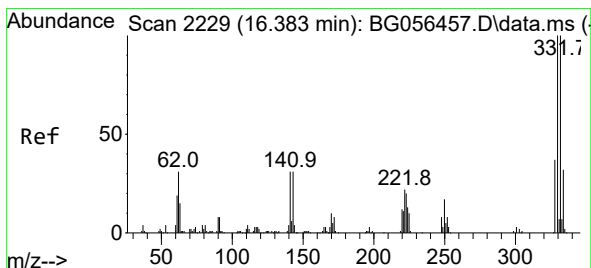
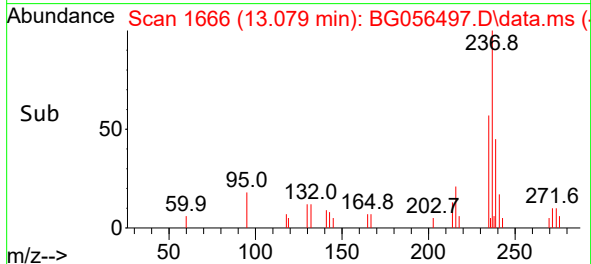
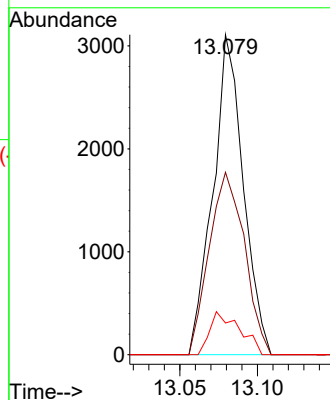
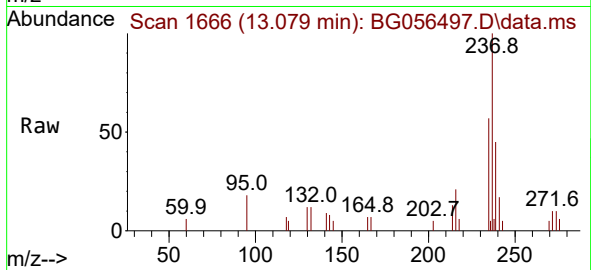




#41
Hexachlorocyclopentadiene
Concen: 8.275 ng
RT: 13.079 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

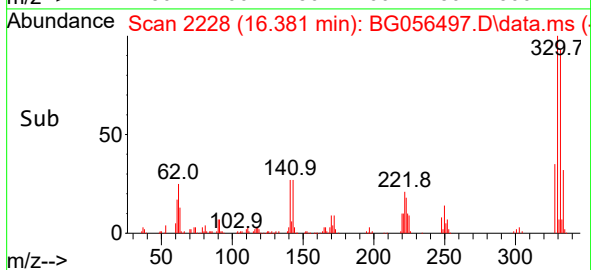
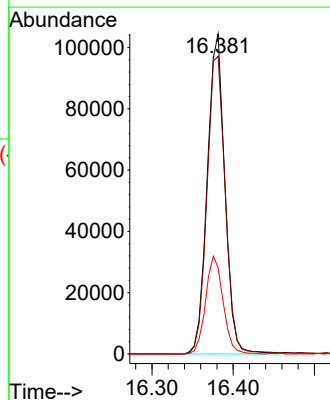
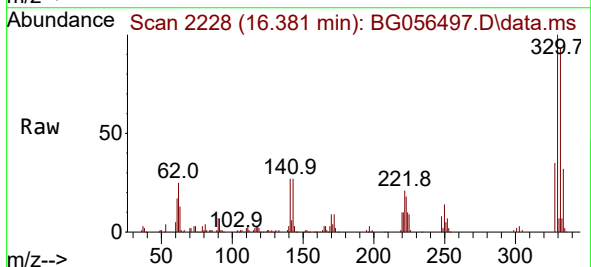
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

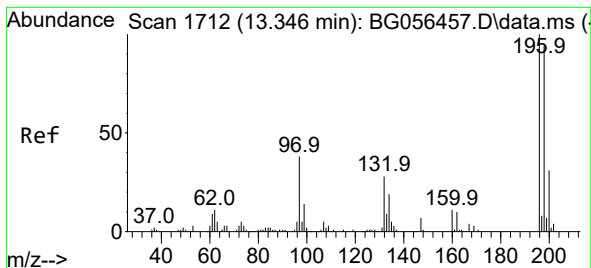
Tgt Ion:237 Resp: 4222
Ion Ratio Lower Upper
237 100
235 57.0 45.6 85.6
272 9.9 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 112.245 ng
RT: 16.381 min Scan# 2228
Delta R.T. 0.004 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:330 Resp: 157297
Ion Ratio Lower Upper
330 100
332 96.7 79.0 118.6
141 30.3 24.2 36.4





#43

2,4,6-Trichlorophenol

Concen: 4.771 ng

RT: 13.344 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

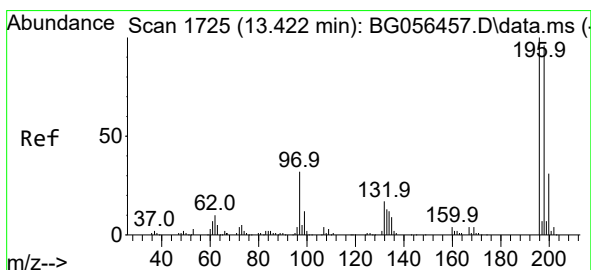
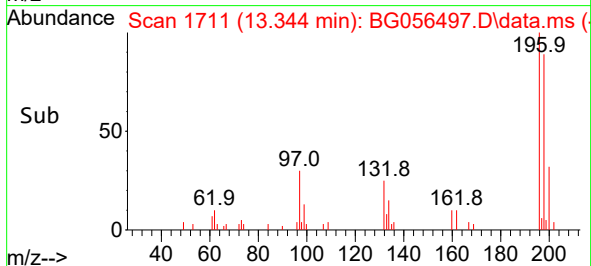
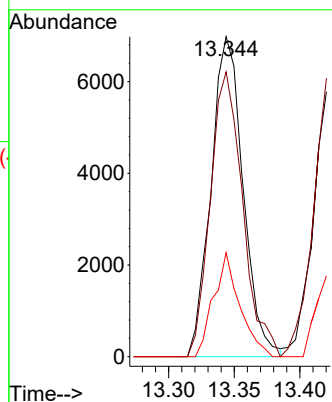
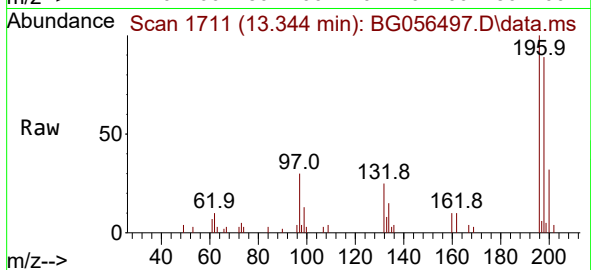
Tgt Ion:196 Resp: 11841

Ion Ratio Lower Upper

196 100

198 94.4 75.4 113.0

200 32.5 25.0 37.6



#44

2,4,5-Trichlorophenol

Concen: 4.080 ng

RT: 13.420 min Scan# 1724

Delta R.T. 0.004 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Tgt Ion:196 Resp: 11856

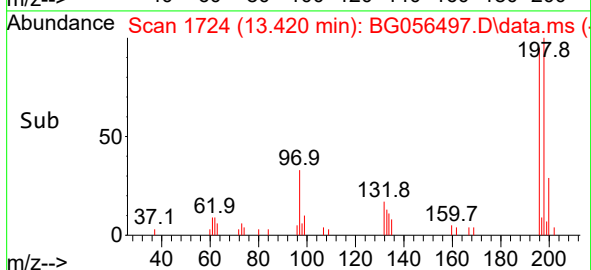
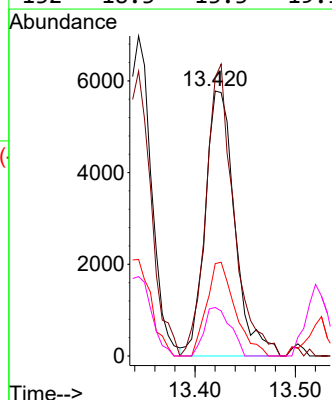
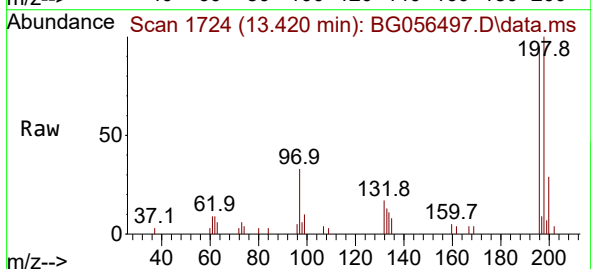
Ion Ratio Lower Upper

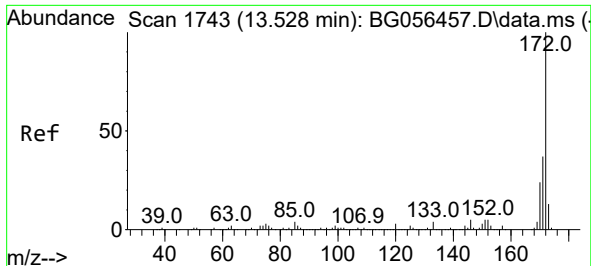
196 100

198 105.1 76.9 115.3

97 34.9 25.8 38.6

132 18.3 13.3 19.9

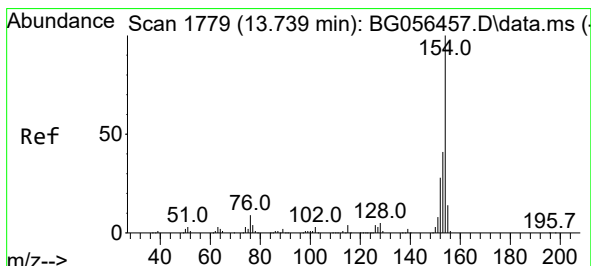
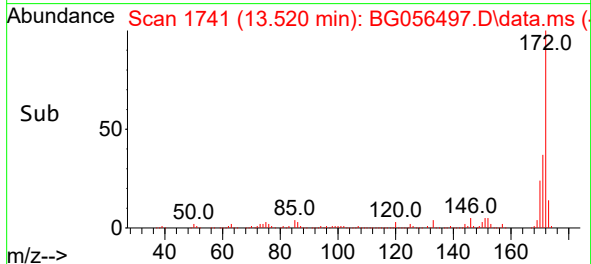
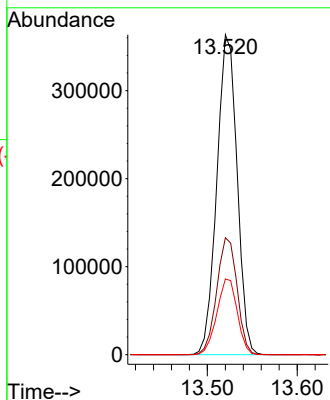
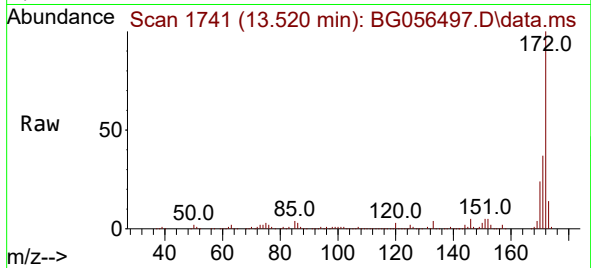




#45
2-Fluorobiphenyl
Concen: 74.884 ng
RT: 13.520 min Scan# 1743
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

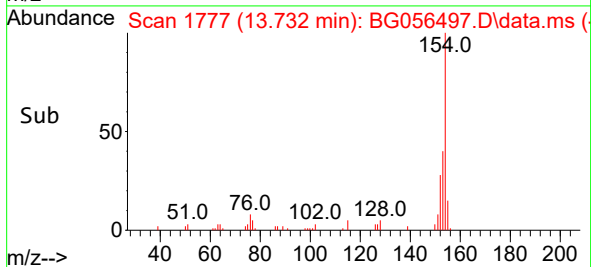
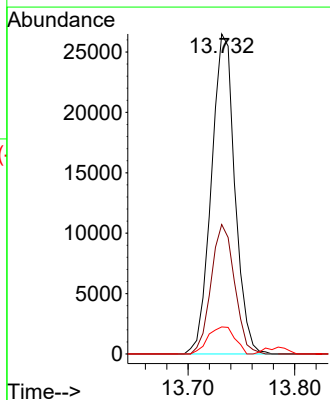
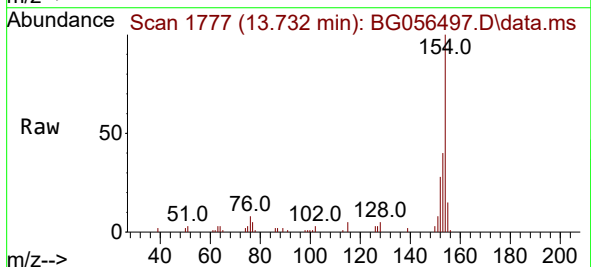
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

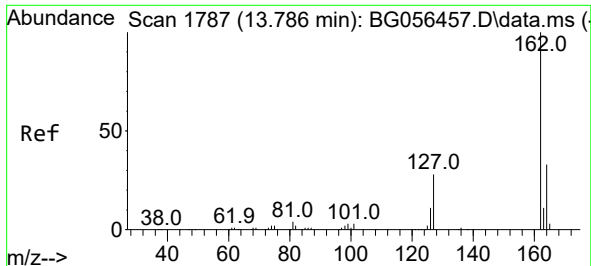
Tgt Ion:172 Resp: 569352
Ion Ratio Lower Upper
172 100
171 36.6 29.5 44.3
170 23.7 19.2 28.8



#46
1,1'-Biphenyl
Concen: 5.291 ng
RT: 13.732 min Scan# 1777
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:154 Resp: 40456
Ion Ratio Lower Upper
154 100
153 40.4 21.5 61.5
76 8.4 0.0 28.8

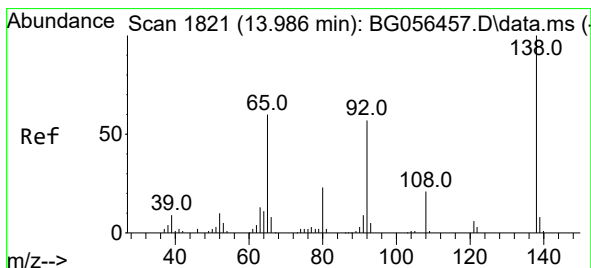
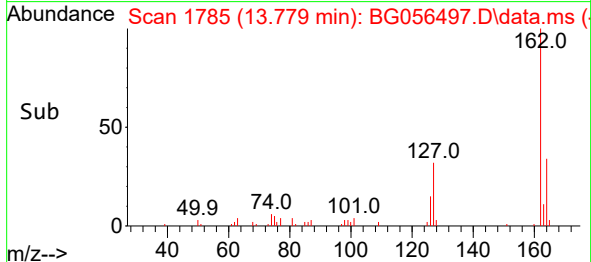
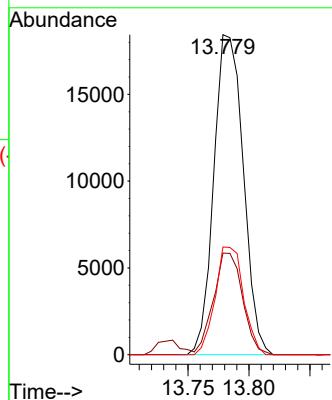
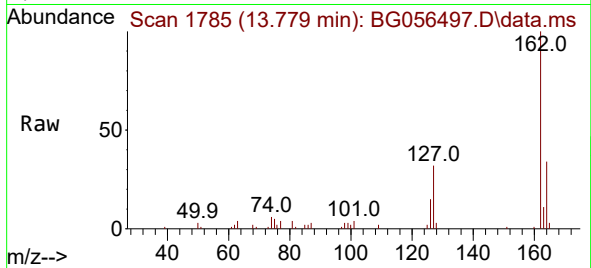




#47
2-Chloronaphthalene
Concen: 5.182 ng
RT: 13.779 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

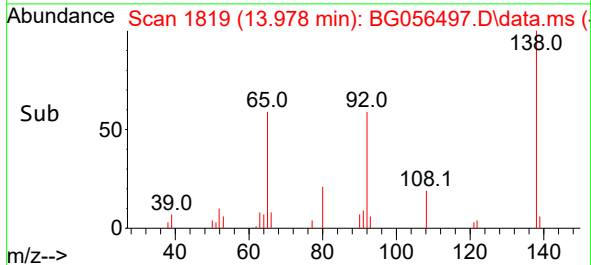
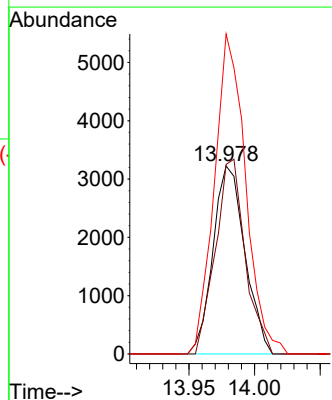
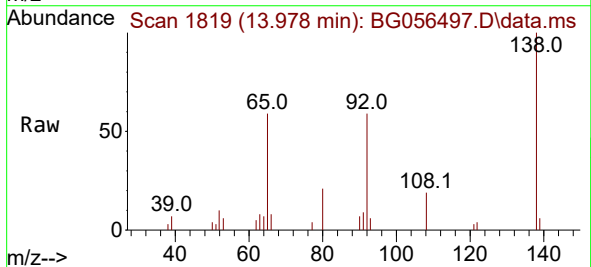
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

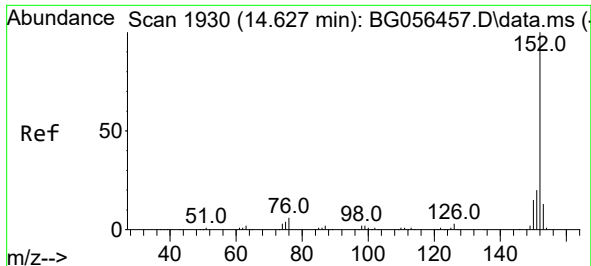
Tgt Ion:162 Resp: 30971
Ion Ratio Lower Upper
162 100
127 31.8 25.2 37.8
164 33.6 26.2 39.2



#48
2-Nitroaniline
Concen: 4.414 ng
RT: 13.978 min Scan# 1819
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion: 65 Resp: 5453
Ion Ratio Lower Upper
65 100
92 100.9 75.8 113.6
138 170.2 133.2 199.8

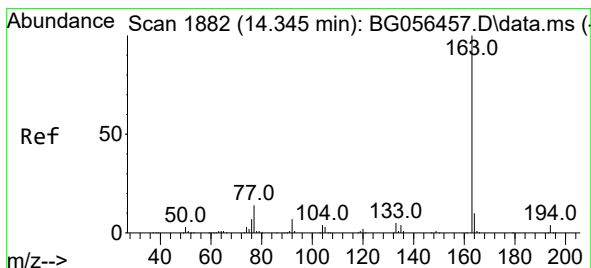
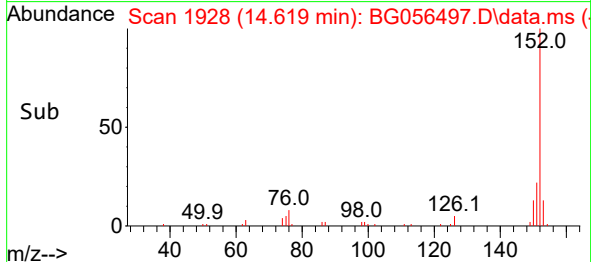
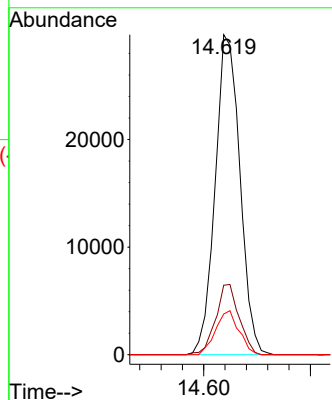
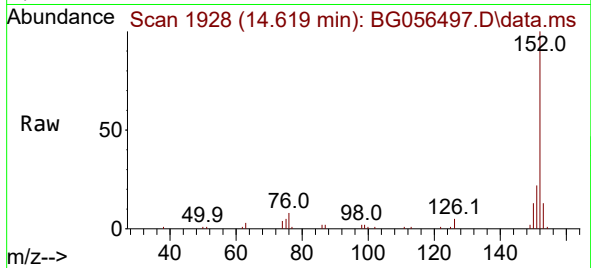




#49
Acenaphthylene
Concen: 4.929 ng
RT: 14.619 min Scan# 1930
Delta R.T. -0.008 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

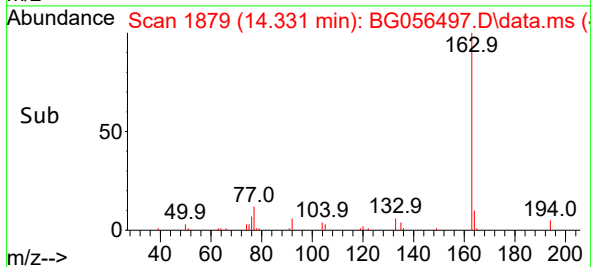
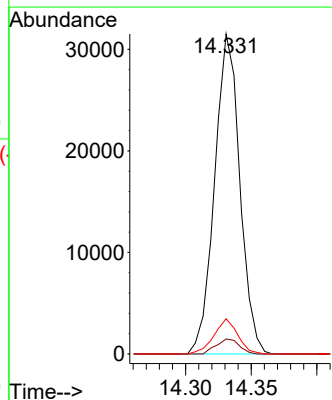
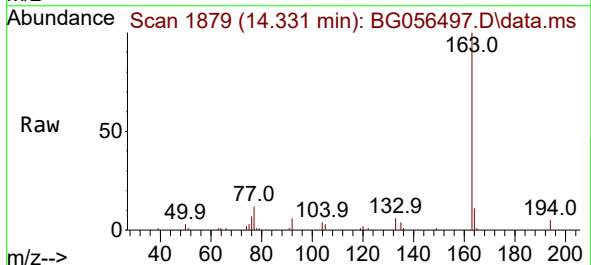
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

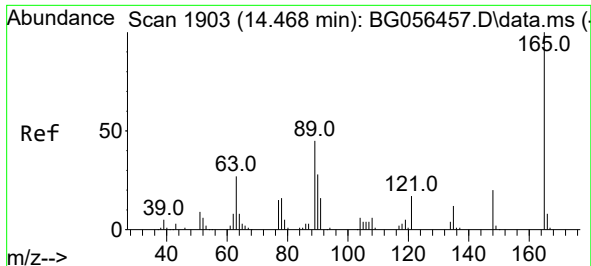
Tgt Ion:152 Resp: 47923
Ion Ratio Lower Upper
152 100
151 21.7 15.9 23.9
153 12.7 10.5 15.7



#50
Dimethylphthalate
Concen: 4.929 ng
RT: 14.331 min Scan# 1879
Delta R.T. -0.008 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:163 Resp: 42036
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 11.0 8.1 12.1

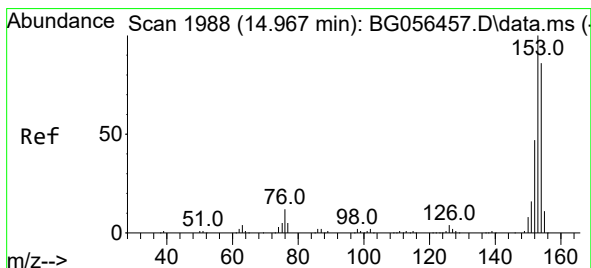
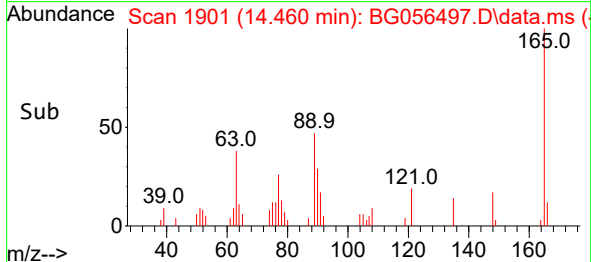
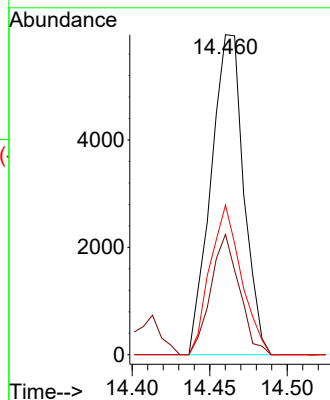
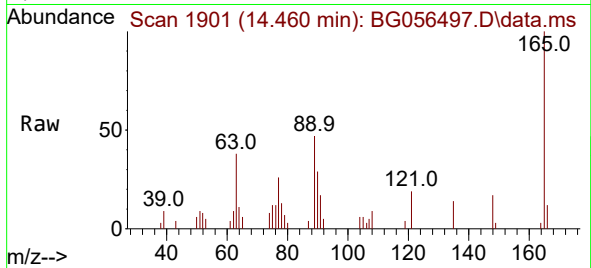




#51
2,6-Dinitrotoluene
Concen: 4.710 ng
RT: 14.460 min Scan# 1903
Delta R.T. -0.008 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

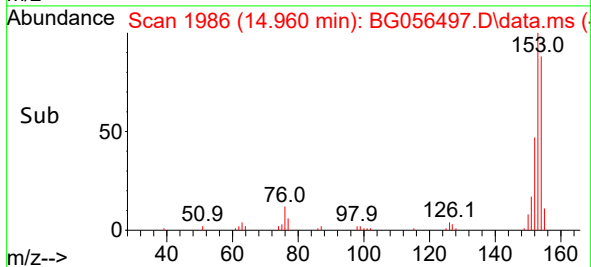
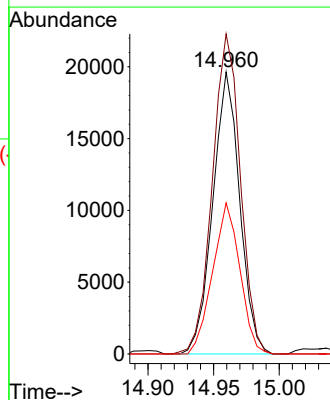
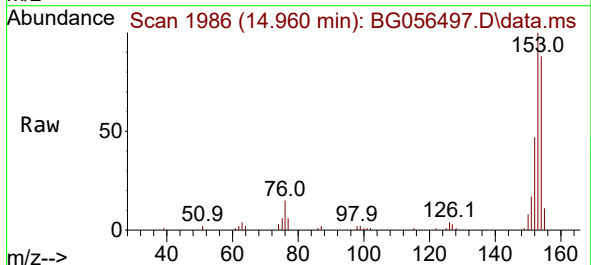
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

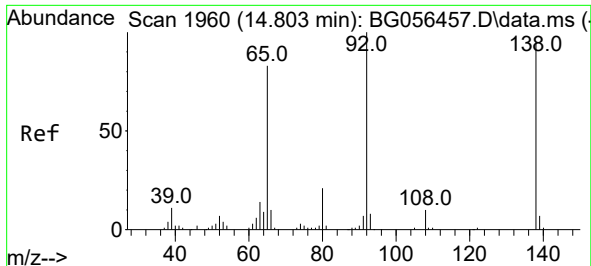
Tgt Ion:165 Resp: 8759
Ion Ratio Lower Upper
165 100
63 37.6 26.9 40.3
89 46.8 35.6 53.4



#52
Acenaphthene
Concen: 4.857 ng
RT: 14.960 min Scan# 1986
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

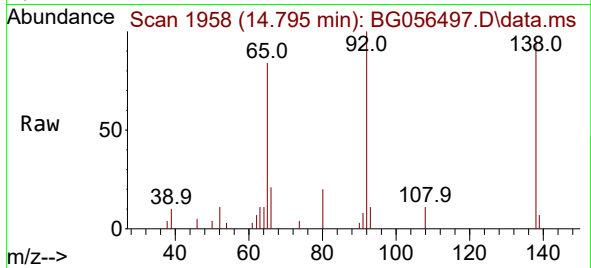
Tgt Ion:154 Resp: 28003
Ion Ratio Lower Upper
154 100
153 113.5 93.4 140.0
152 53.6 43.4 65.2



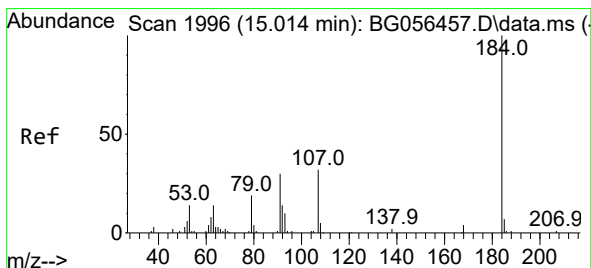
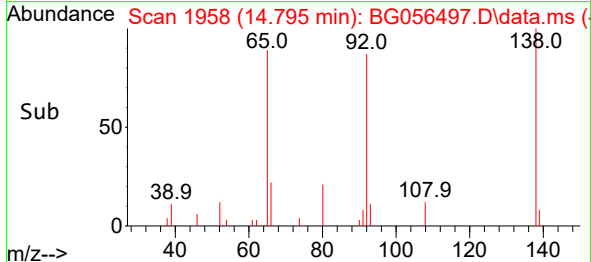
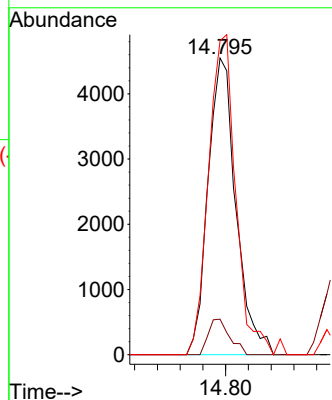


#53
3-Nitroaniline
Concen: 4.303 ng
RT: 14.795 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

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

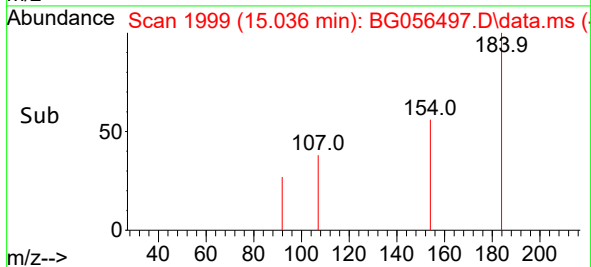
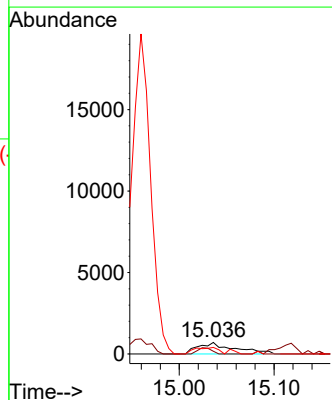
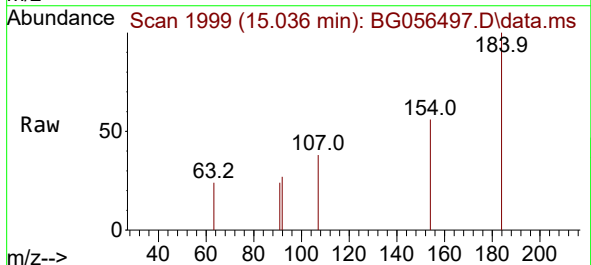


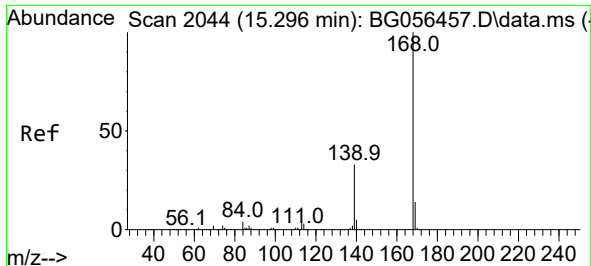
Tgt Ion:138 Resp: 7758
Ion Ratio Lower Upper
138 100
108 12.0 8.0 12.0#
92 105.9 84.1 126.1



#54
2,4-Dinitrophenol
Concen: 1.618 ng
RT: 15.036 min Scan# 1999
Delta R.T. 0.027 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:184 Resp: 1887
Ion Ratio Lower Upper
184 100
63 24.0 25.1 37.7#
154 56.2 44.8 67.2

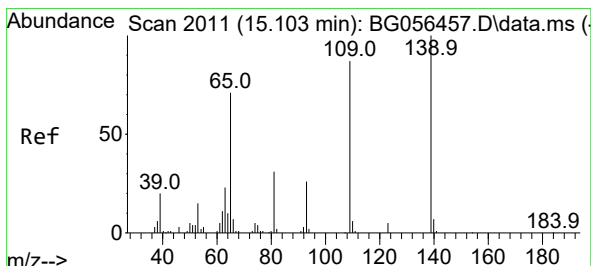
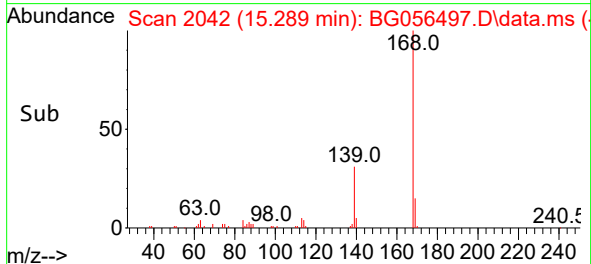
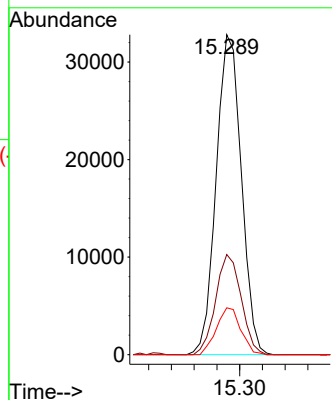
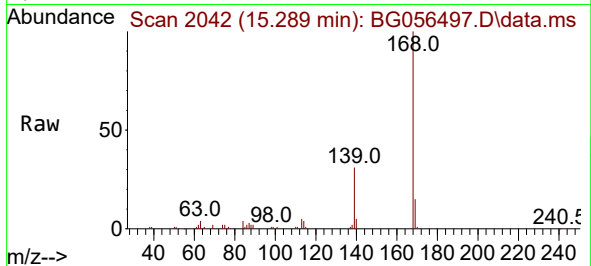




#55
Dibenzenofuran
Concen: 4.875 ng
RT: 15.289 min Scan# 2042
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

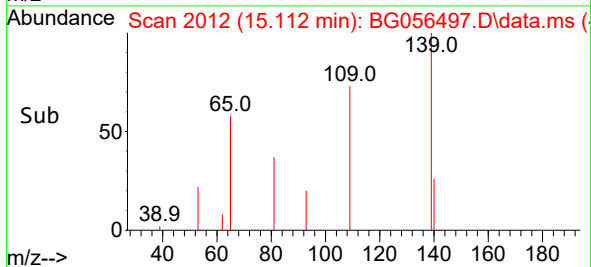
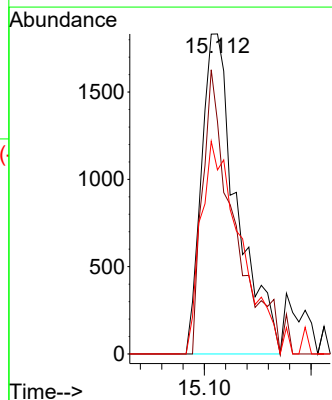
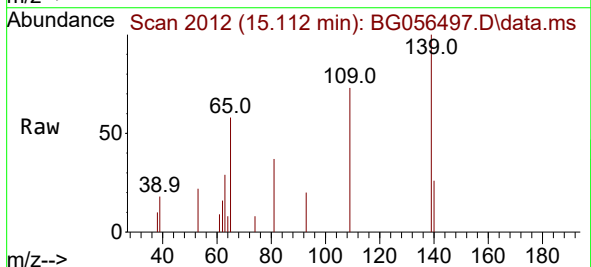
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

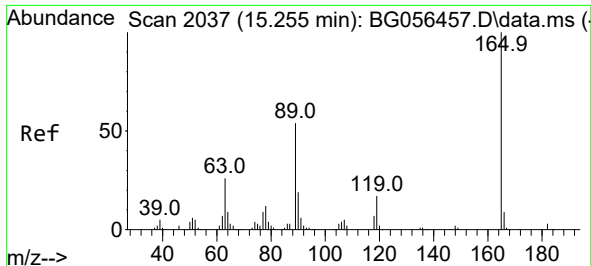
Tgt Ion:168 Resp: 50412
Ion Ratio Lower Upper
168 100
139 31.3 26.2 39.2
169 14.6 11.0 16.6



#56
4-Nitrophenol
Concen: 3.447 ng
RT: 15.112 min Scan# 2012
Delta R.T. 0.015 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:139 Resp: 4247
Ion Ratio Lower Upper
139 100
109 72.6 67.5 107.5
65 57.5 50.7 90.7





#57

2,4-Dinitrotoluene

Concen: 4.598 ng

RT: 15.247 min Scan# 2035

Delta R.T. -0.002 min

Lab File: BG056497.D

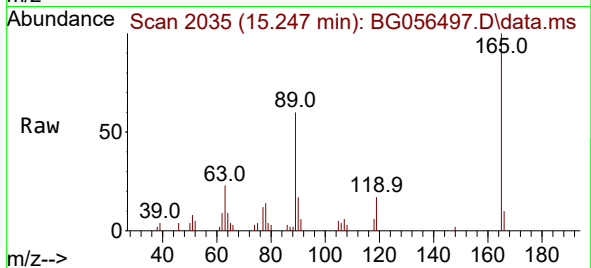
Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:165 Resp: 12044

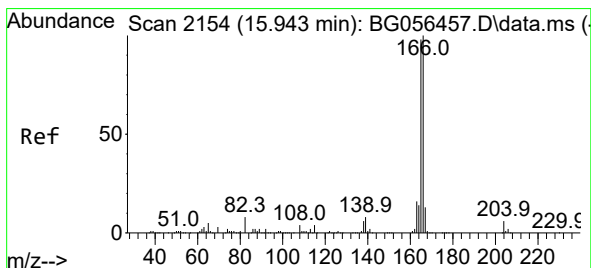
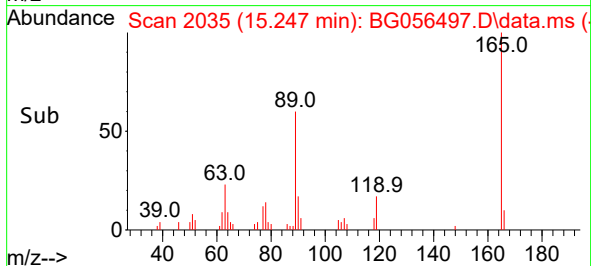
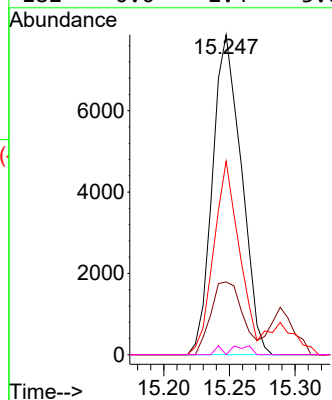
Ion Ratio Lower Upper

165 100

63 22.7 20.6 31.0

89 60.4 43.1 64.7

182 0.0 2.4 3.6#



#58

Fluorene

Concen: 5.038 ng

RT: 15.935 min Scan# 2152

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

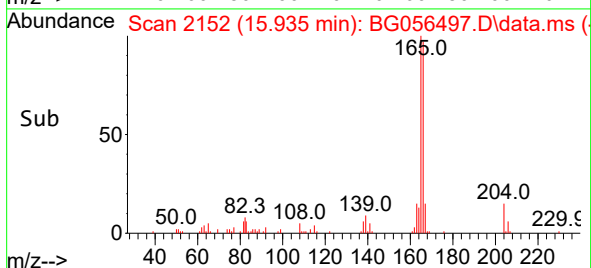
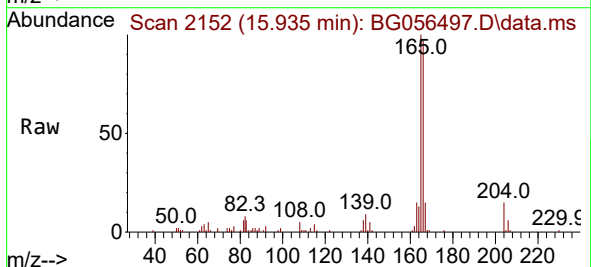
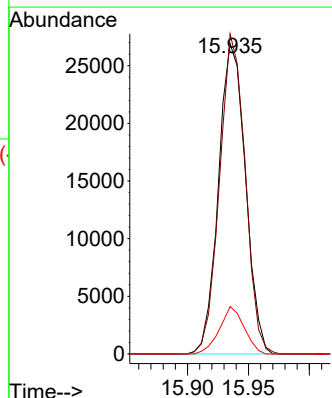
Tgt Ion:166 Resp: 41449

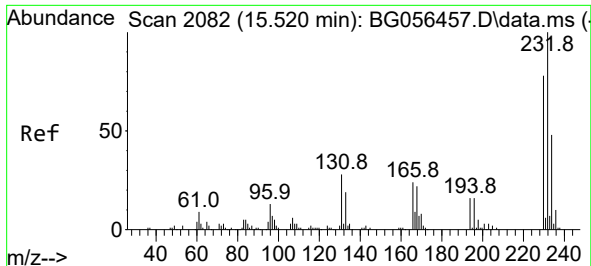
Ion Ratio Lower Upper

166 100

165 103.2 78.8 118.2

167 15.3 10.6 15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.086 ng

RT: 15.518 min Scan# 2082

Delta R.T. 0.004 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:232 Resp: 10557

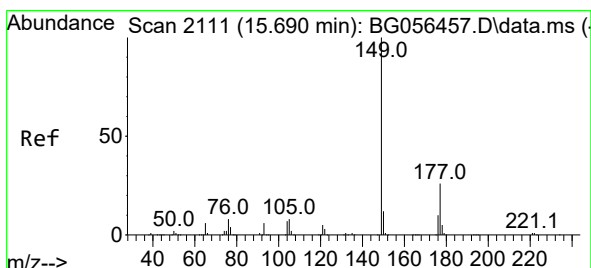
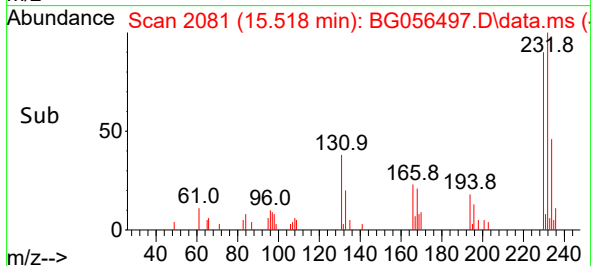
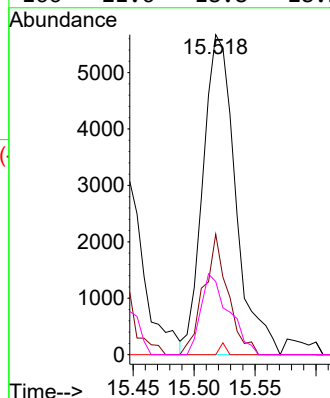
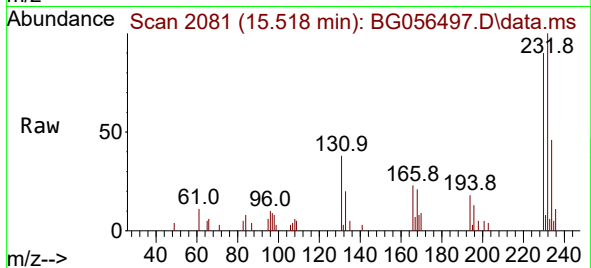
Ion Ratio Lower Upper

232 100

131 28.0 22.8 34.2

130 0.7 1.4 2.0#

166 21.6 18.8 28.2



#60

Diethylphthalate

Concen: 4.783 ng

RT: 15.682 min Scan# 2109

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

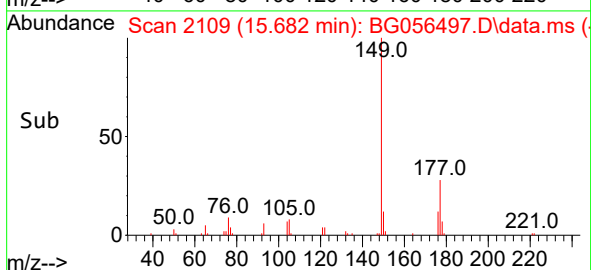
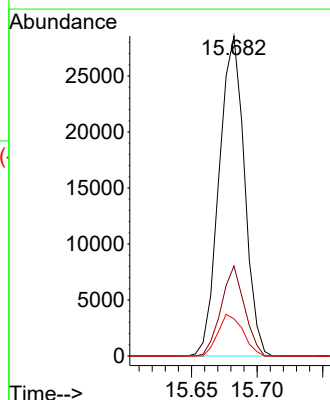
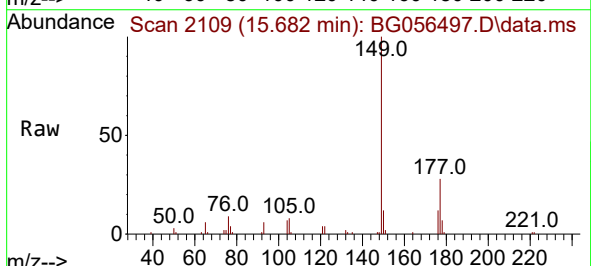
Tgt Ion:149 Resp: 38306

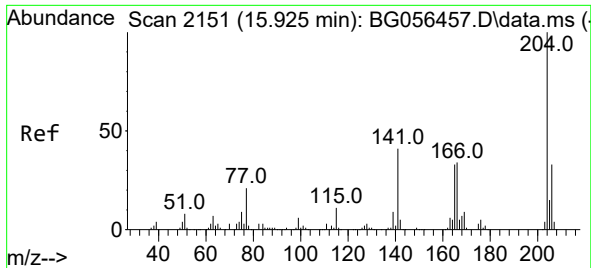
Ion Ratio Lower Upper

149 100

177 28.1 21.0 31.4

150 11.6 9.9 14.9

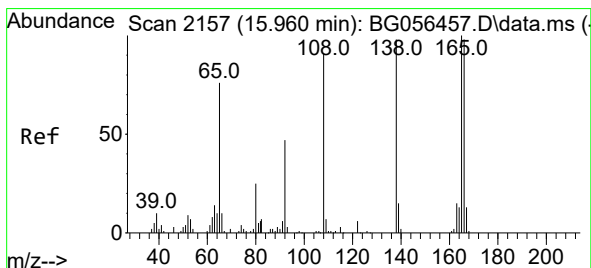
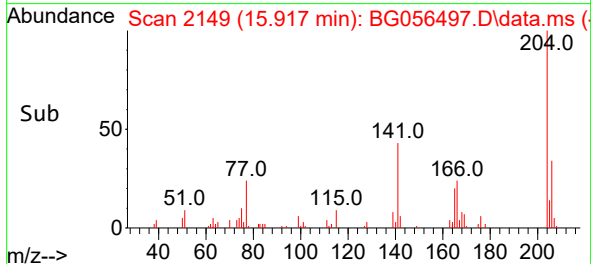
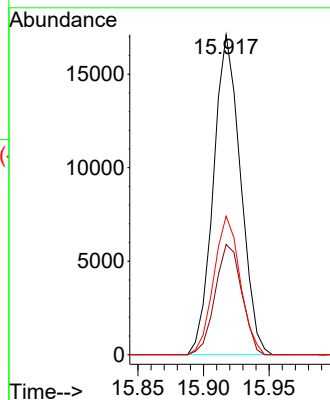
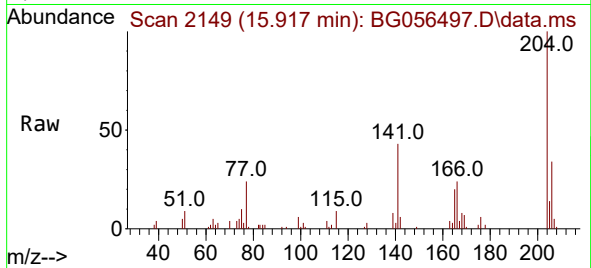




#61
4-Chlorophenyl-phenylether
Concen: 4.892 ng
RT: 15.917 min Scan# 2149
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

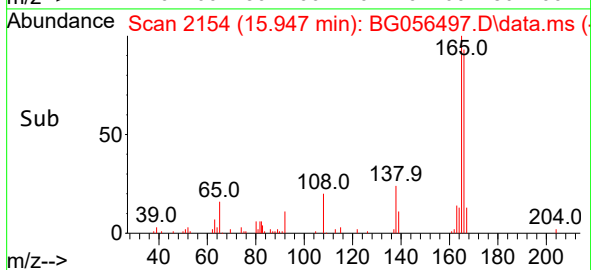
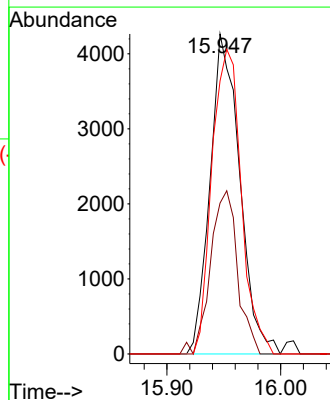
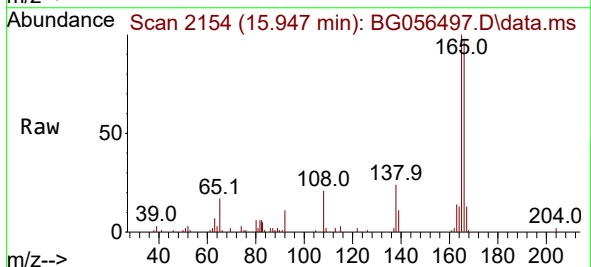
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

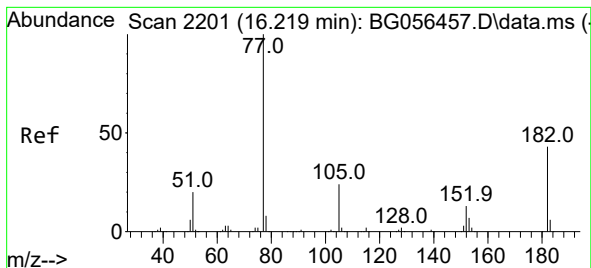
Tgt Ion:204 Resp: 24561
Ion Ratio Lower Upper
204 100
206 34.5 26.2 39.4
141 43.3 32.7 49.1



#62
4-Nitroaniline
Concen: 4.285 ng
RT: 15.947 min Scan# 2154
Delta R.T. -0.014 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:138 Resp: 7730
Ion Ratio Lower Upper
138 100
92 47.1 27.8 67.8
108 85.3 72.6 112.6





#63

Azobenzene

Concen: 4.925 ng

RT: 16.211 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion: 77 Resp: 27135

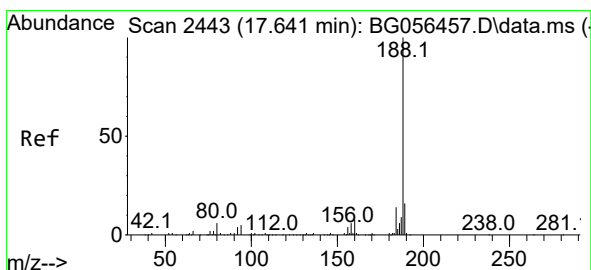
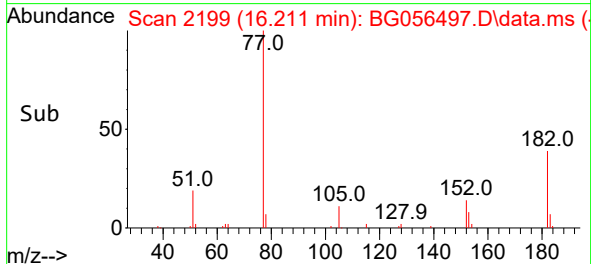
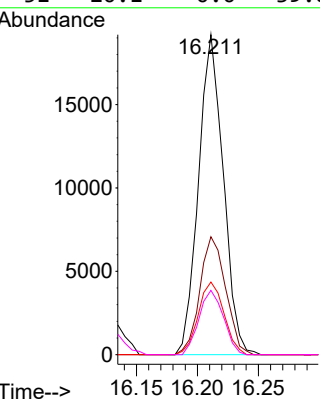
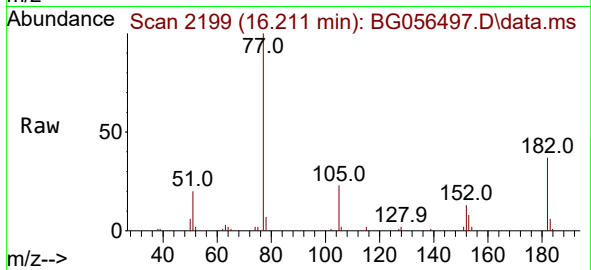
Ion Ratio Lower Upper

77 100

182 36.9 23.1 63.1

105 22.7 4.2 44.2

51 20.1 0.0 39.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.633 min Scan# 2441

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

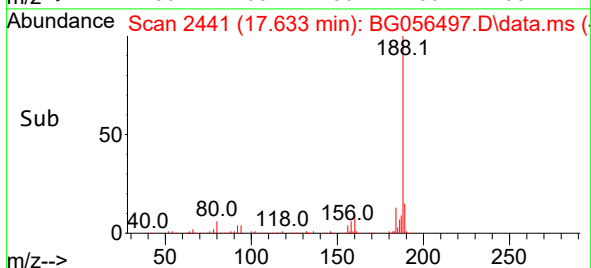
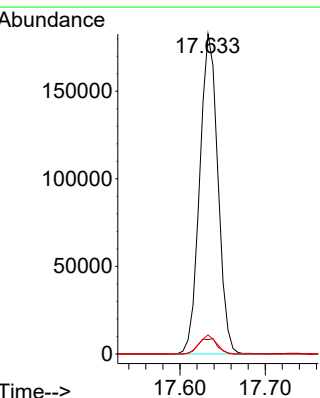
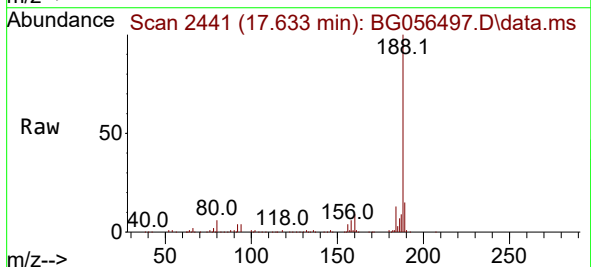
Tgt Ion:188 Resp: 271287

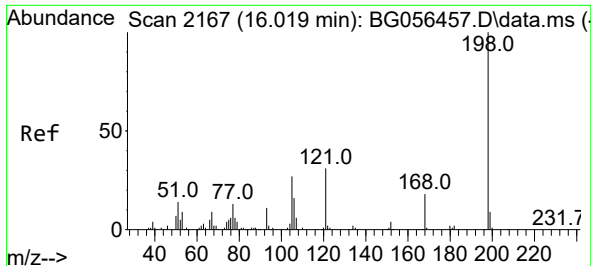
Ion Ratio Lower Upper

188 100

94 4.5 4.1 6.1

80 5.9 5.0 7.4

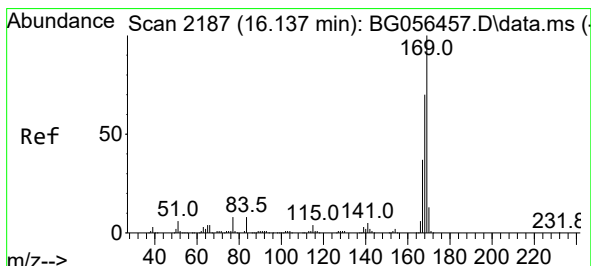
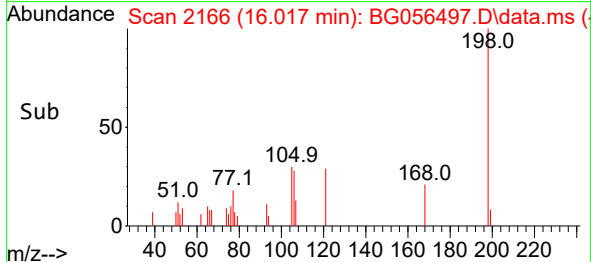
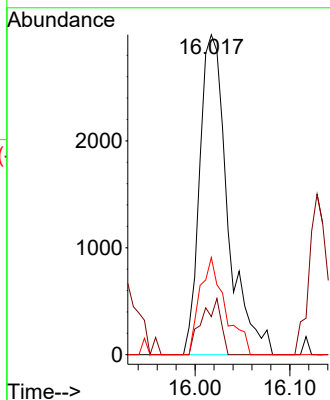
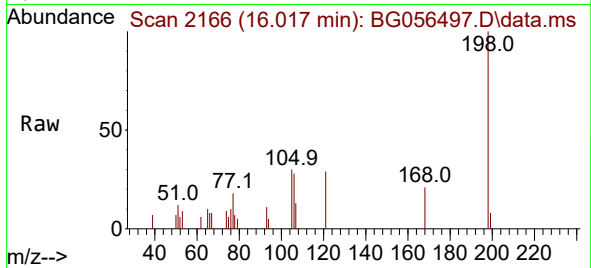




#65
4,6-Dinitro-2-methylphenol
Concen: 3.229 ng
RT: 16.017 min Scan# 2166
Delta R.T. 0.004 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

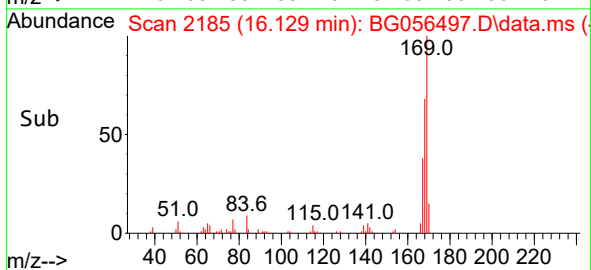
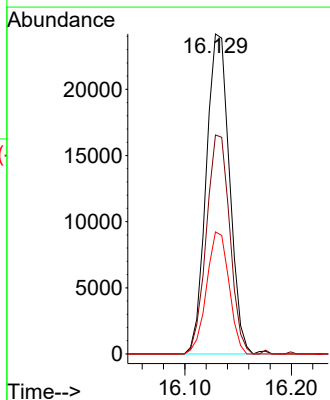
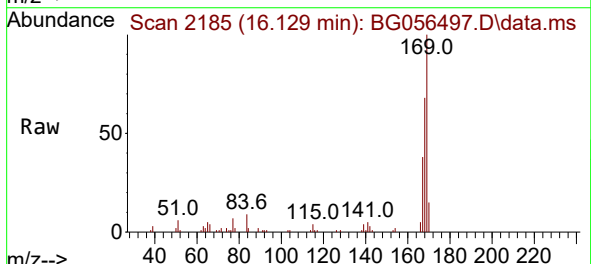
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

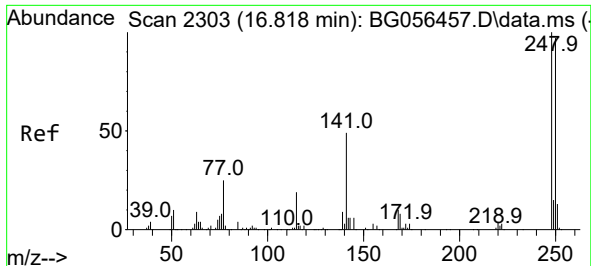
Tgt Ion:198 Resp: 6158
Ion Ratio Lower Upper
198 100
51 11.9 0.0 35.0
105 30.3 7.4 47.4



#66
n-Nitrosodiphenylamine
Concen: 4.788 ng
RT: 16.129 min Scan# 2185
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:169 Resp: 36776
Ion Ratio Lower Upper
169 100
168 68.5 55.8 83.6
167 38.2 29.8 44.8

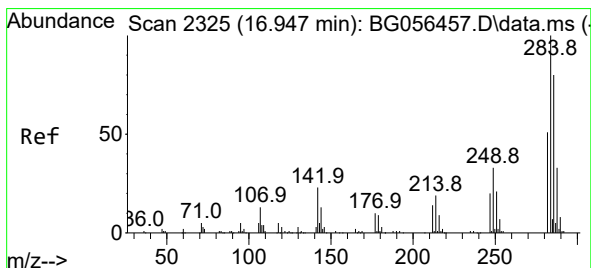
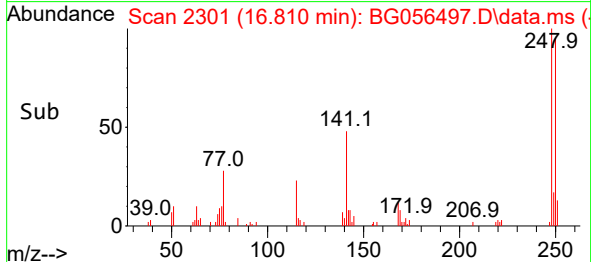
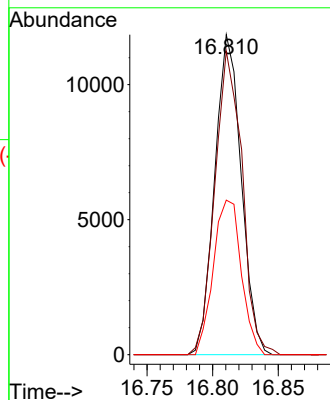
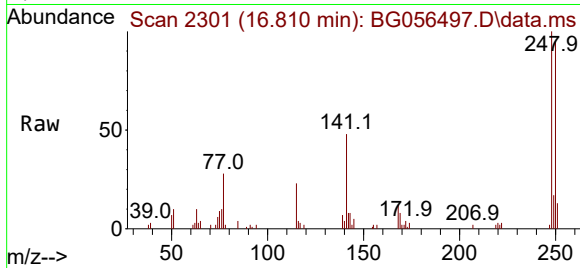




#67
4-Bromophenyl-phenylether
Concen: 4.780 ng
RT: 16.810 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

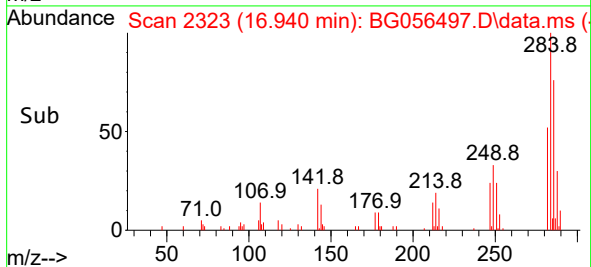
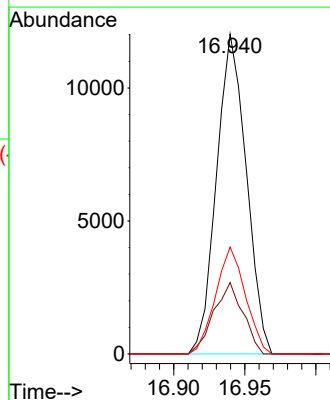
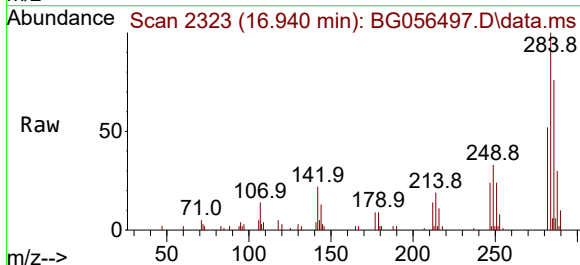
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

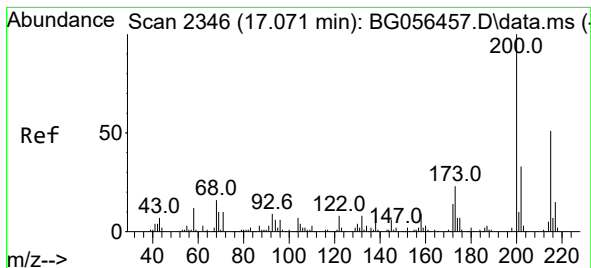
Tgt Ion:248 Resp: 16601
Ion Ratio Lower Upper
248 100
250 94.9 77.6 116.4
141 48.3 39.0 58.4



#68
Hexachlorobenzene
Concen: 5.145 ng
RT: 16.940 min Scan# 2323
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:284 Resp: 17502
Ion Ratio Lower Upper
284 100
142 22.3 18.0 27.0
249 33.4 26.7 40.1





#69

Atrazine

Concen: 5.245 ng

RT: 17.063 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

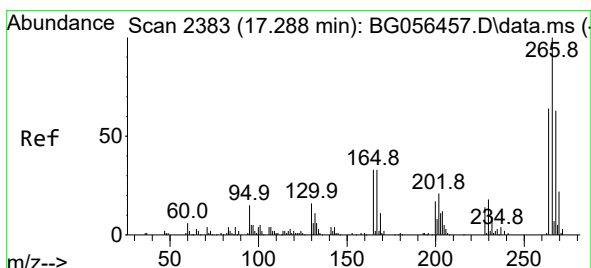
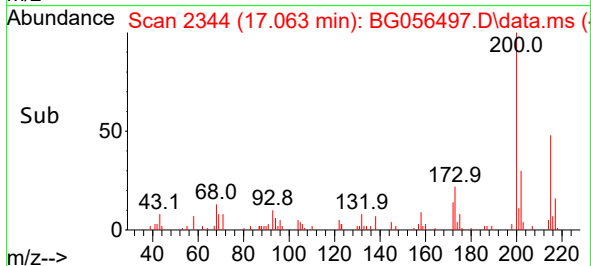
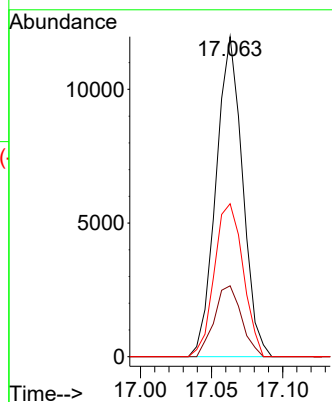
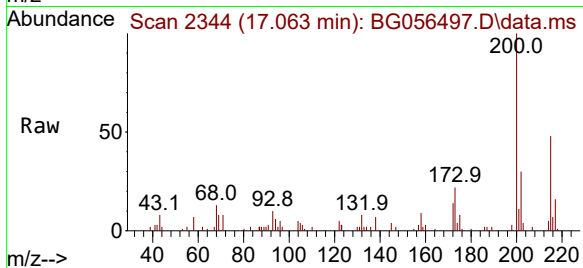
Tgt Ion:200 Resp: 15542

Ion Ratio Lower Upper

200 100

173 22.1 3.2 43.2

215 47.8 30.7 70.7



#70

Pentachlorophenol

Concen: 1.766 ng

RT: 17.292 min Scan# 2383

Delta R.T. 0.010 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

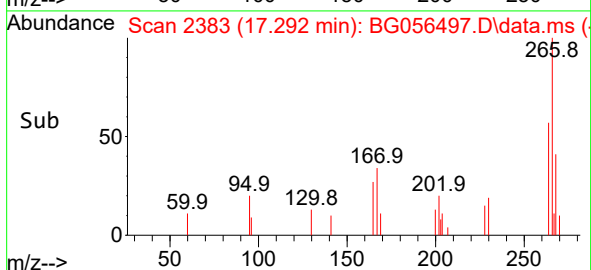
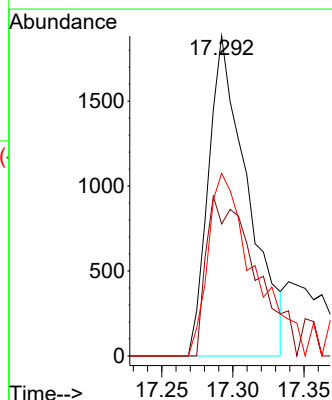
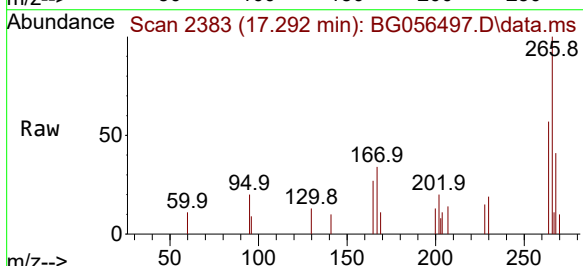
Tgt Ion:266 Resp: 3634

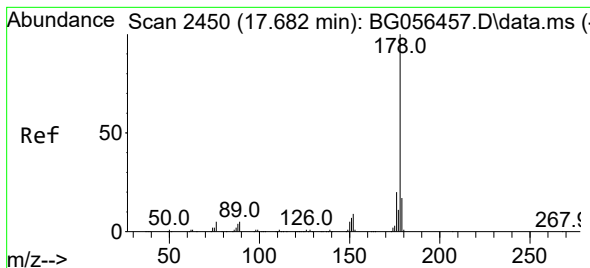
Ion Ratio Lower Upper

266 100

268 41.2 50.2 75.4#

264 57.1 51.4 77.0





#71

Phenanthrene

Concen: 4.948 ng

RT: 17.674 min Scan# 2448

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

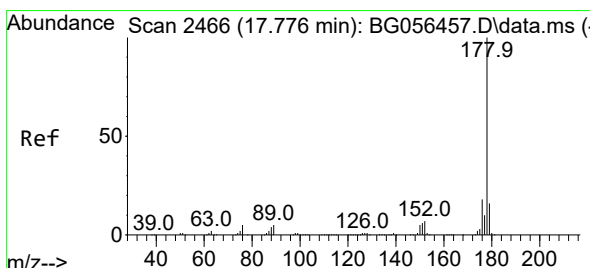
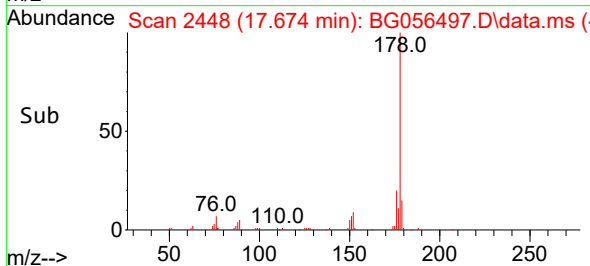
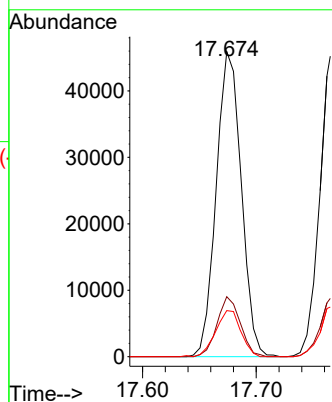
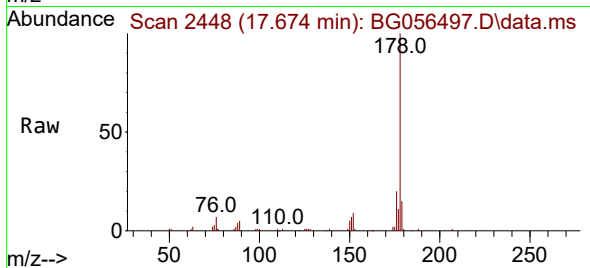
Tgt Ion:178 Resp: 70251

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.1 13.3 19.9



#72

Anthracene

Concen: 4.932 ng

RT: 17.768 min Scan# 2464

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

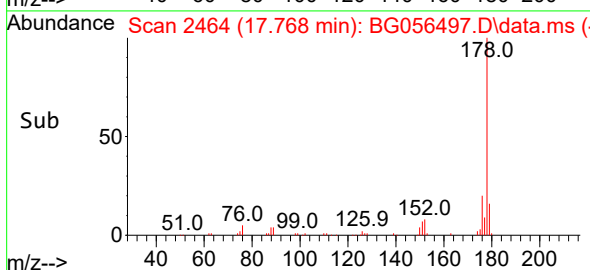
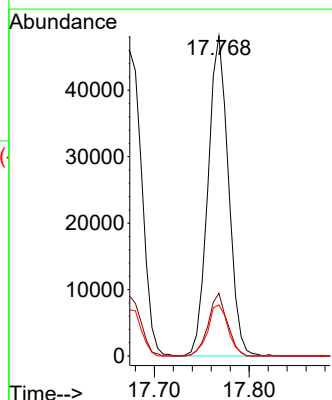
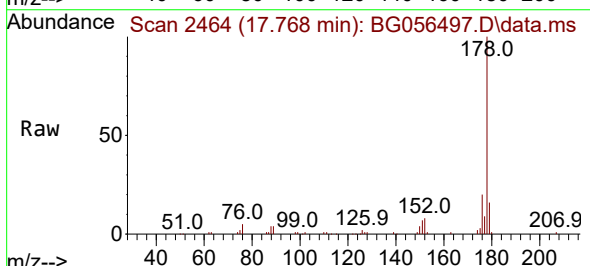
Tgt Ion:178 Resp: 71885

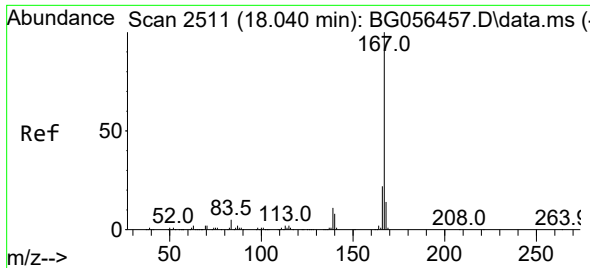
Ion Ratio Lower Upper

178 100

176 19.6 14.5 21.7

179 16.0 12.5 18.7

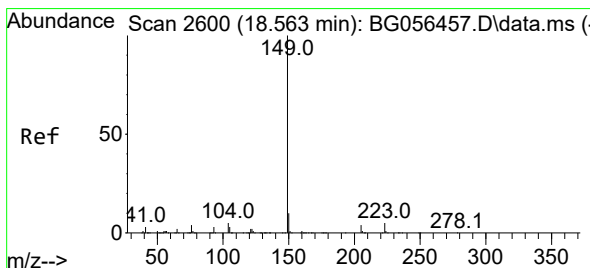
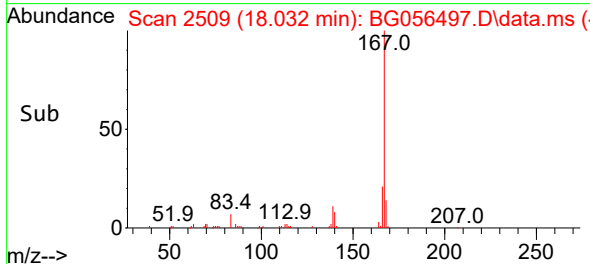
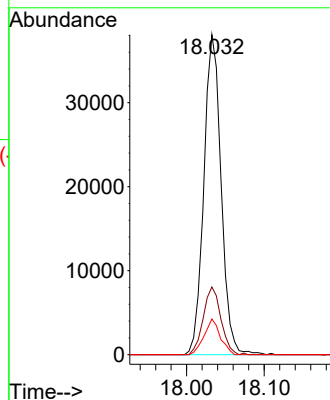
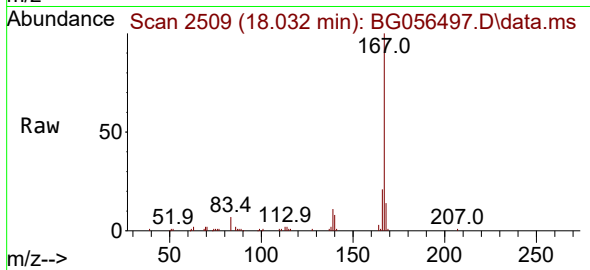




#73
 Carbazole
 Concen: 4.754 ng
 RT: 18.032 min Scan# 2509
 Delta R.T. -0.002 min
 Lab File: BG056497.D
 Acq: 1 Feb 2023 11:10

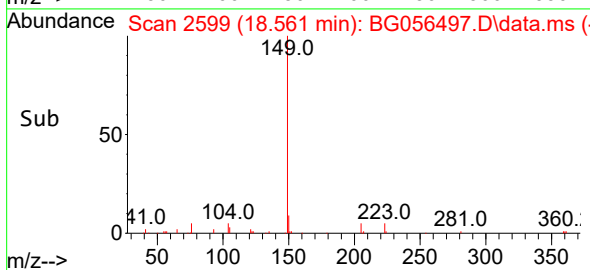
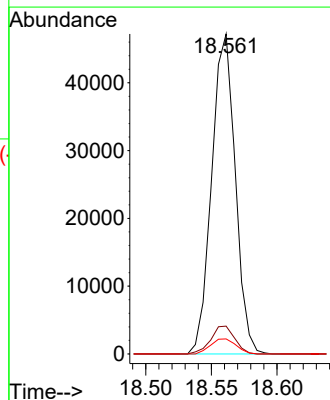
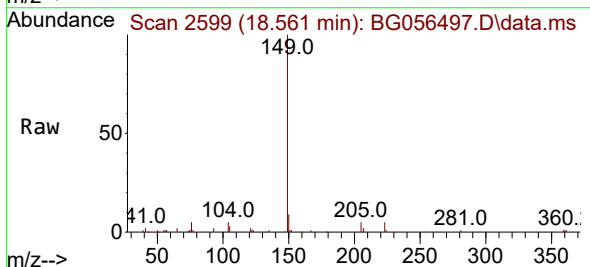
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

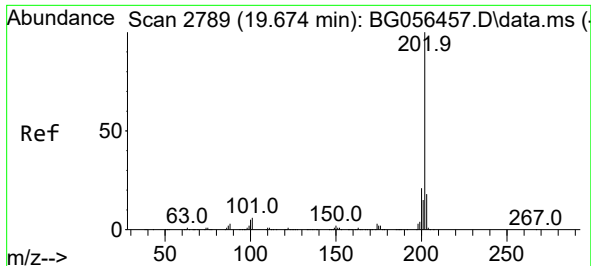
Tgt Ion:167	Resp:	59016
Ion Ratio	Lower	Upper
167	100	
166	21.2	17.8 26.6
139	11.2	8.9 13.3



#74
 Di-n-butylphthalate
 Concen: 4.540 ng
 RT: 18.561 min Scan# 2599
 Delta R.T. -0.002 min
 Lab File: BG056497.D
 Acq: 1 Feb 2023 11:10

Tgt Ion:149	Resp:	59174
Ion Ratio	Lower	Upper
149	100	
150	8.7	7.8 11.6
104	4.7	4.0 6.0

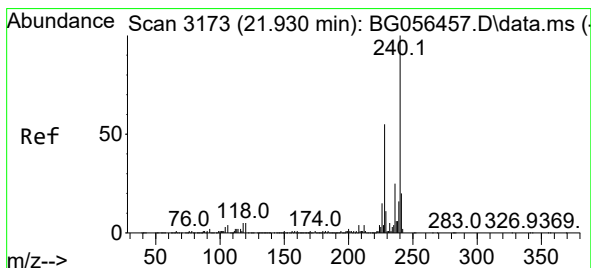
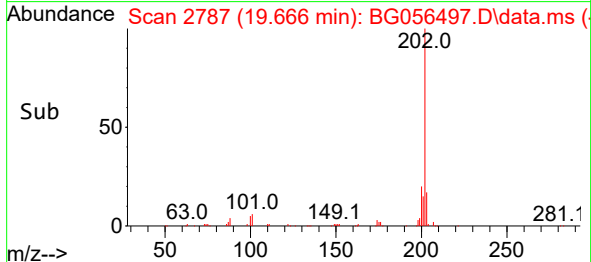
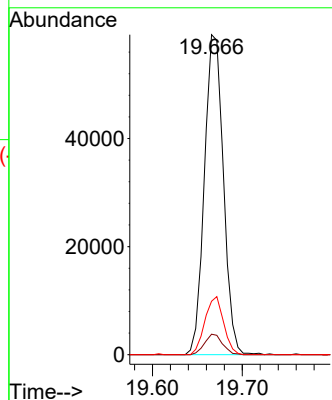
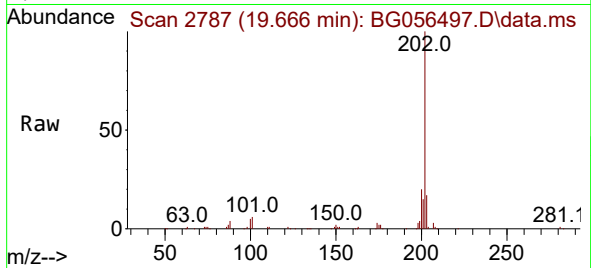




#75
Fluoranthene
Concen: 4.858 ng
RT: 19.666 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

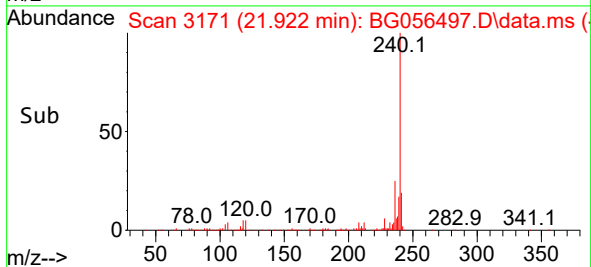
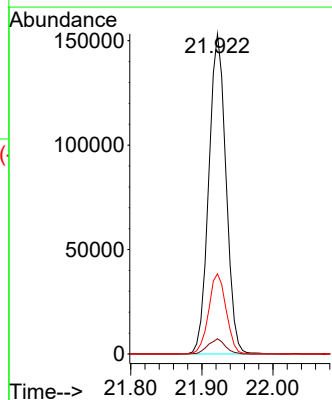
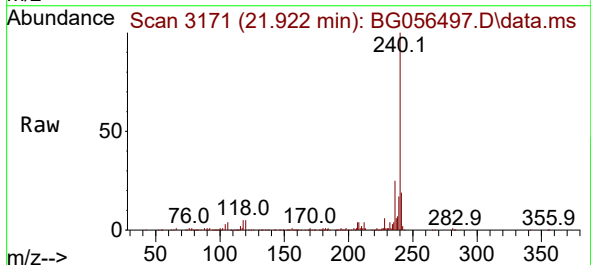
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

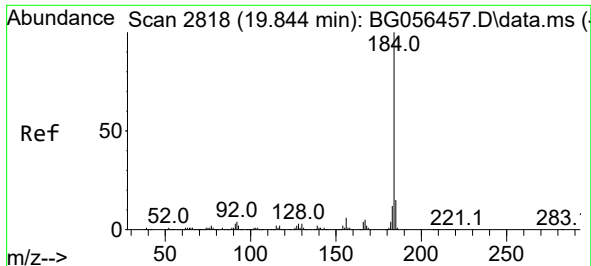
Tgt Ion:202 Resp: 87049
Ion Ratio Lower Upper
202 100
101 6.4 0.0 25.6
203 16.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.922 min Scan# 3171
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:240 Resp: 257206
Ion Ratio Lower Upper
240 100
120 4.7 3.8 5.8
236 25.1 20.2 30.2

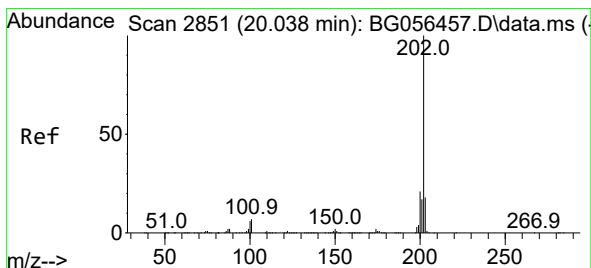
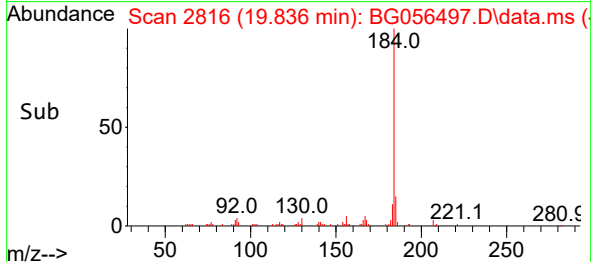
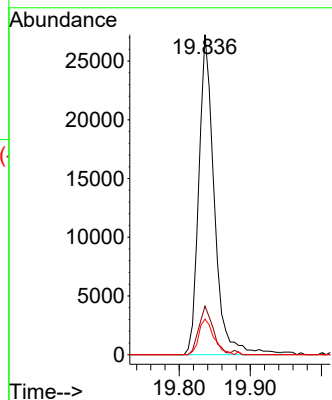
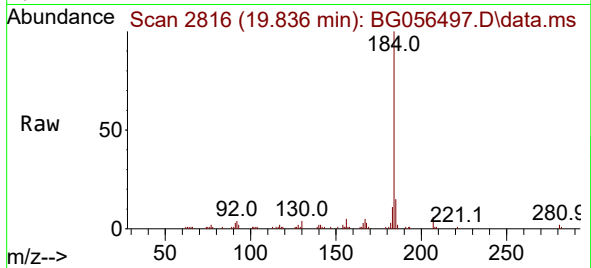




#77
Benzidine
Concen: 5.944 ng
RT: 19.836 min Scan# 2816
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

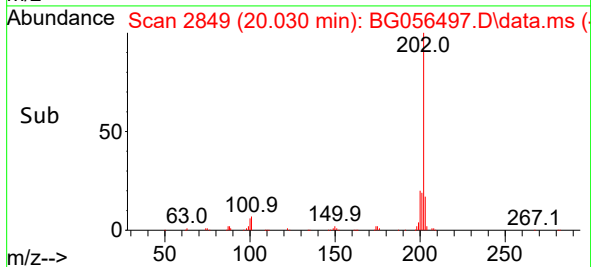
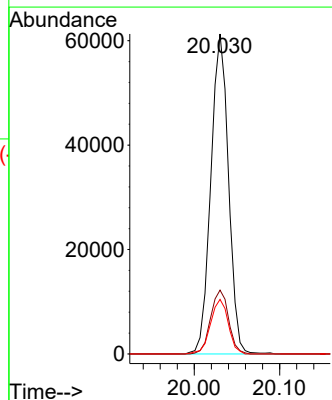
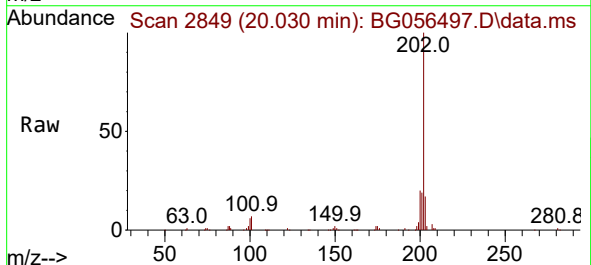
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

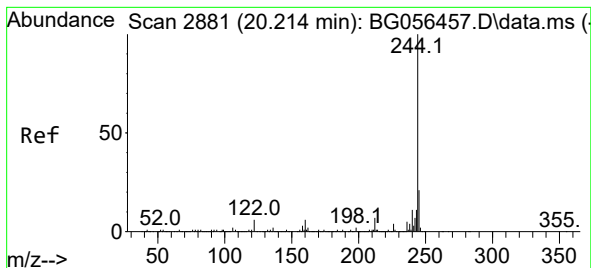
Tgt Ion:184 Resp: 41374
Ion Ratio Lower Upper
184 100
185 15.1 12.3 18.5
183 11.1 9.8 14.8



#78
Pyrene
Concen: 4.810 ng
RT: 20.030 min Scan# 2849
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:202 Resp: 87988
Ion Ratio Lower Upper
202 100
200 20.0 16.7 25.1
203 17.0 14.4 21.6





#79

Terphenyl-d14

Concen: 71.275 ng

RT: 20.212 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

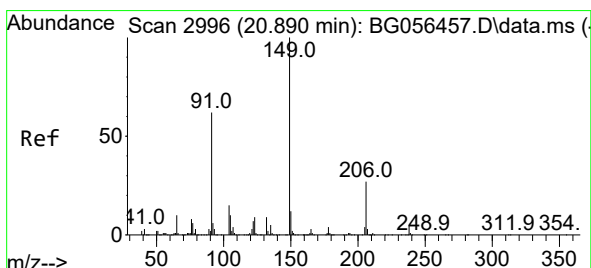
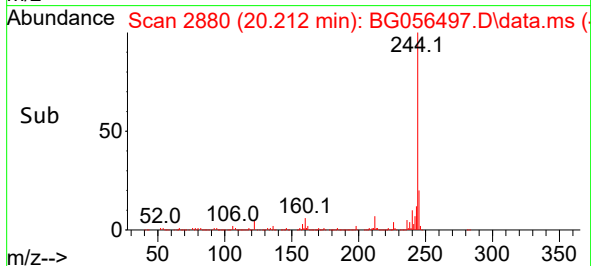
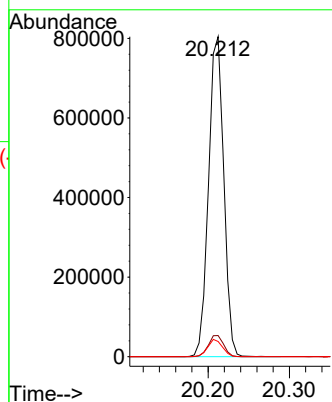
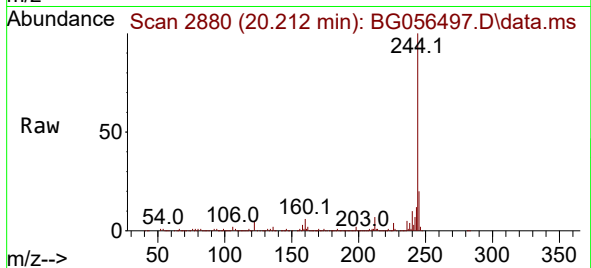
Tgt Ion:244 Resp: 1043774

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

122 4.8 4.4 6.6



#80

Butylbenzylphthalate

Concen: 4.613 ng

RT: 20.882 min Scan# 2994

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

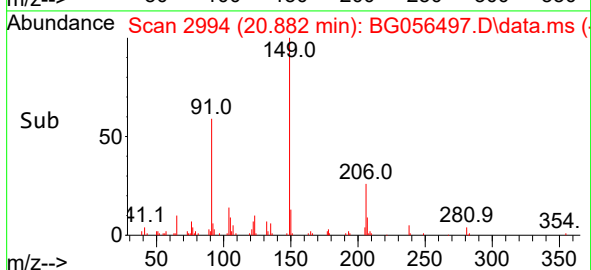
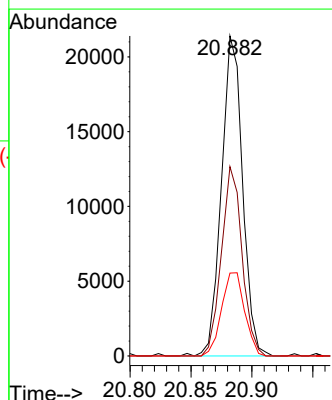
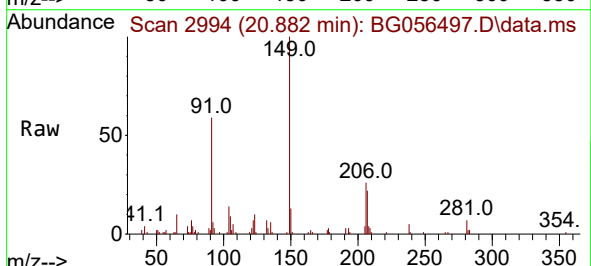
Tgt Ion:149 Resp: 25771

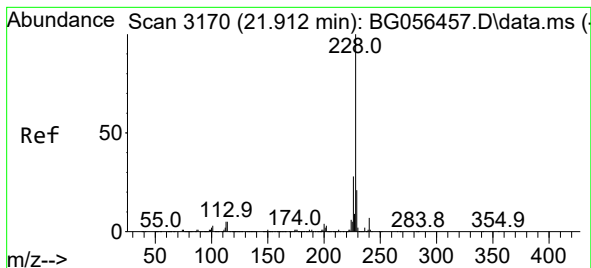
Ion Ratio Lower Upper

149 100

91 59.2 49.4 74.0

206 25.9 22.0 33.0





#81

Benzo(a)anthracene

Concen: 4.825 ng

RT: 21.898 min Scan# 3167

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

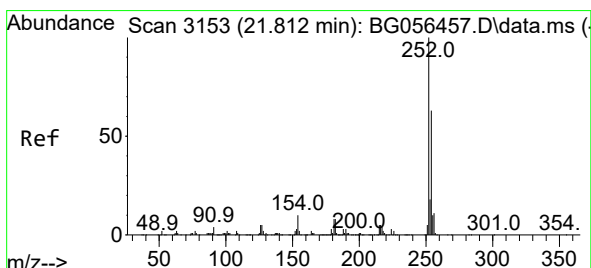
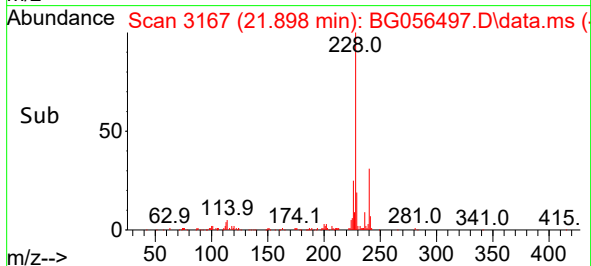
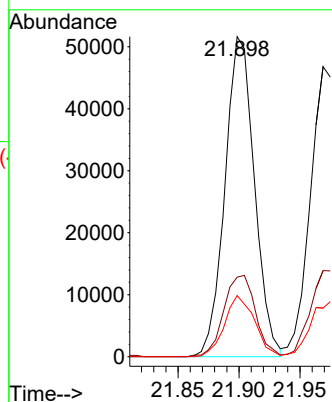
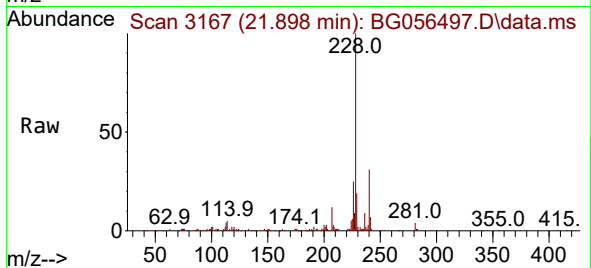
Tgt Ion:228 Resp: 86763

Ion Ratio Lower Upper

228 100

226 24.8 22.4 33.6

229 19.1 16.5 24.7



#82

3,3'-Dichlorobenzidine

Concen: 5.329 ng

RT: 21.804 min Scan# 3151

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

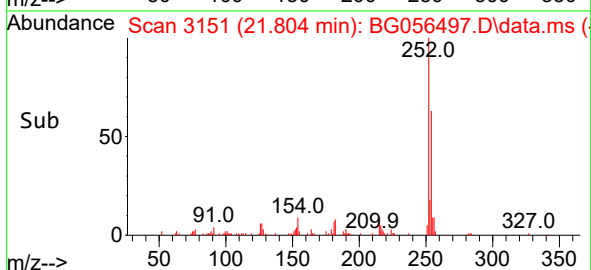
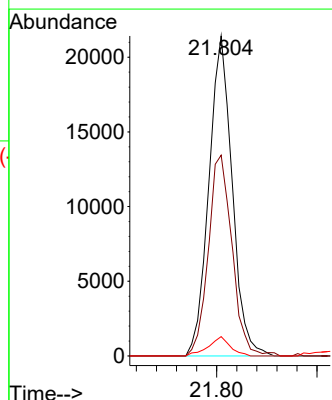
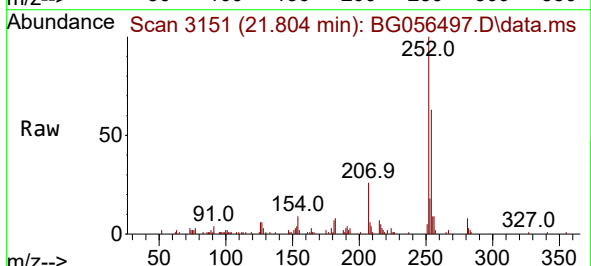
Tgt Ion:252 Resp: 34506

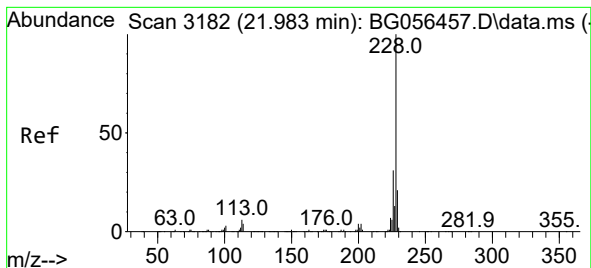
Ion Ratio Lower Upper

252 100

254 62.8 50.0 75.0

126 6.1 4.3 6.5





#83

Chrysene

Concen: 4.871 ng

RT: 21.969 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

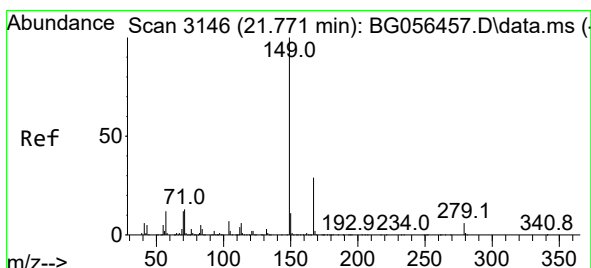
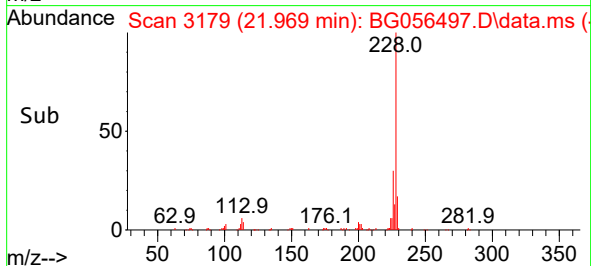
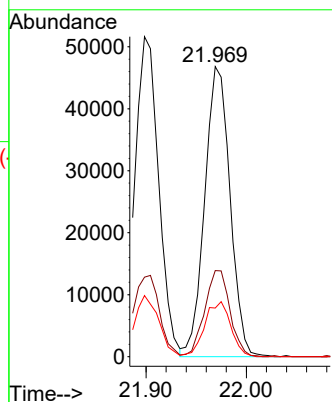
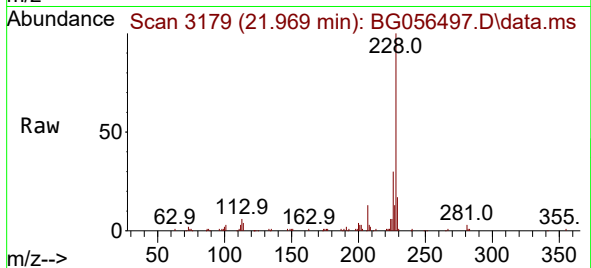
Tgt Ion:228 Resp: 82282

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.4

229 16.8 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.538 ng

RT: 21.763 min Scan# 3144

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

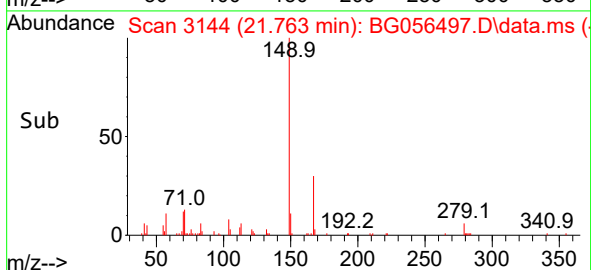
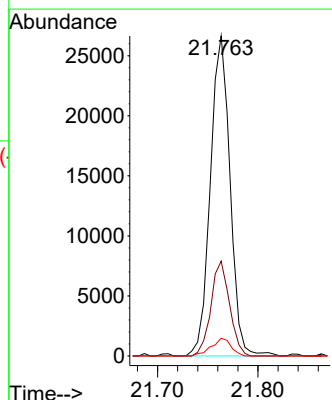
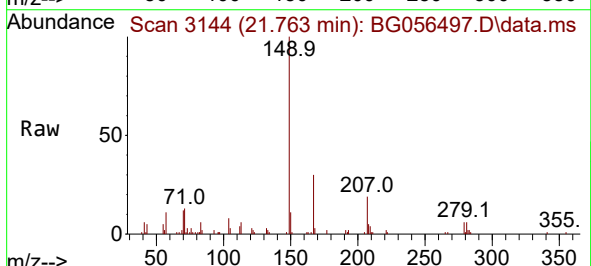
Tgt Ion:149 Resp: 36345

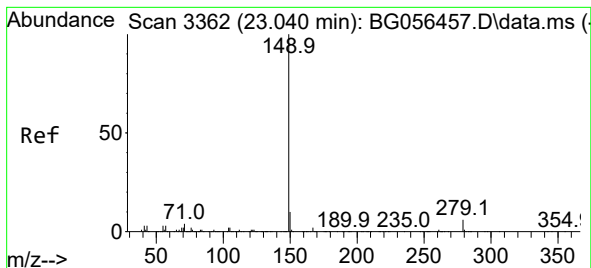
Ion Ratio Lower Upper

149 100

167 29.7 23.4 35.2

279 5.6 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 4.551 ng

RT: 23.032 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

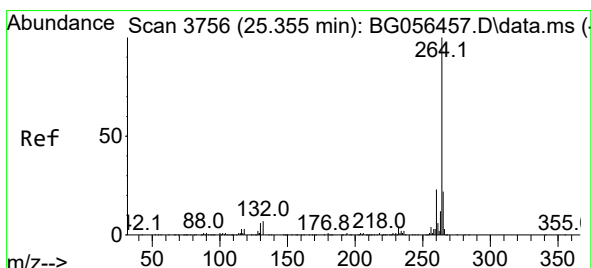
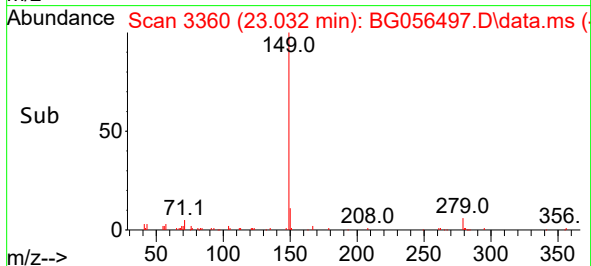
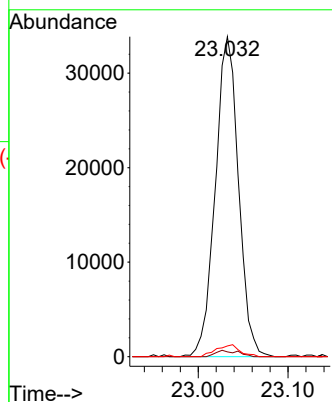
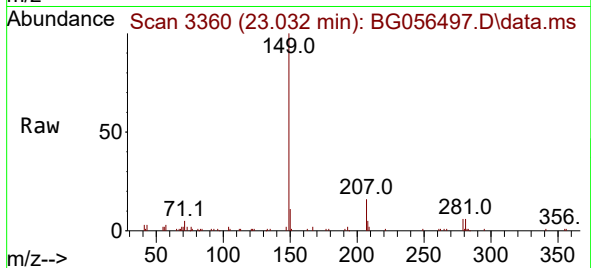
Tgt Ion:149 Resp: 60702

Ion Ratio Lower Upper

149 100

167 1.9 1.4 2.0

43 3.8 2.7 4.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.342 min Scan# 3753

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

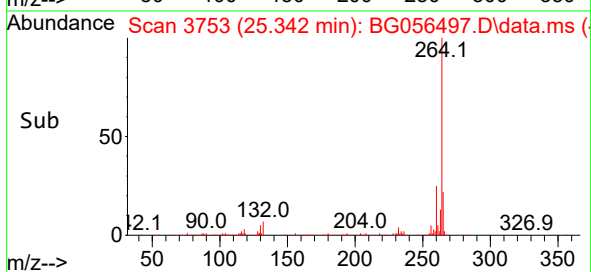
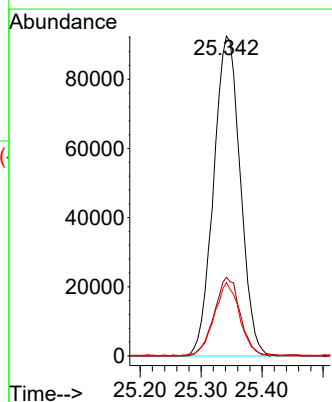
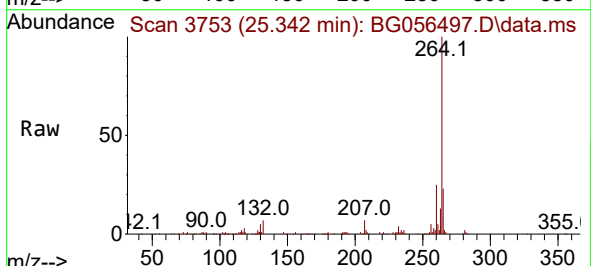
Tgt Ion:264 Resp: 281101

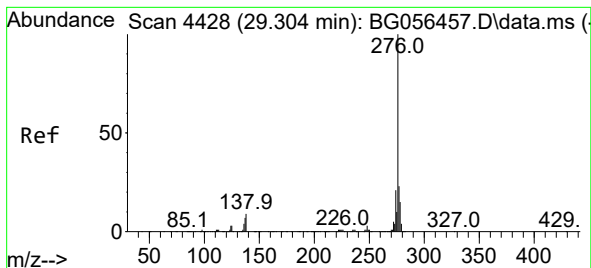
Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.4

265 22.9 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.604 ng

RT: 29.272 min Scan# 4428

Delta R.T. -0.008 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2022

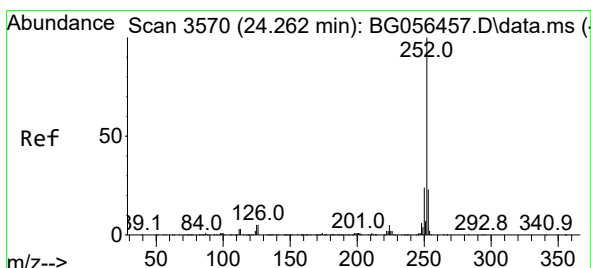
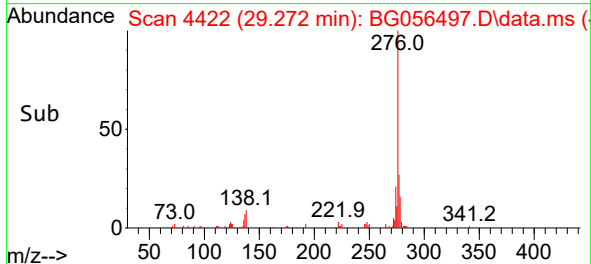
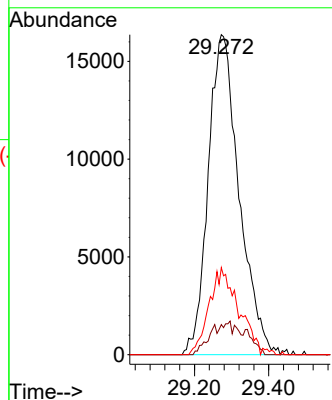
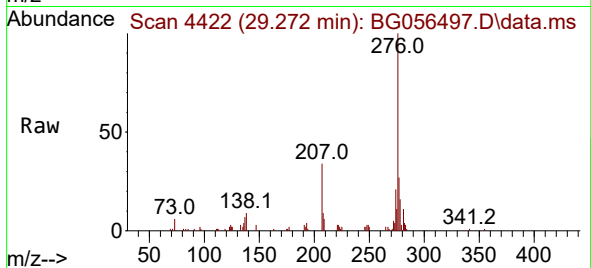
Tgt Ion:276 Resp: 94737

Ion Ratio Lower Upper

276 100

138 3.1 9.4 14.2#

277 25.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.110 ng

RT: 24.249 min Scan# 3567

Delta R.T. -0.002 min

Lab File: BG056497.D

Acq: 1 Feb 2023 11:10

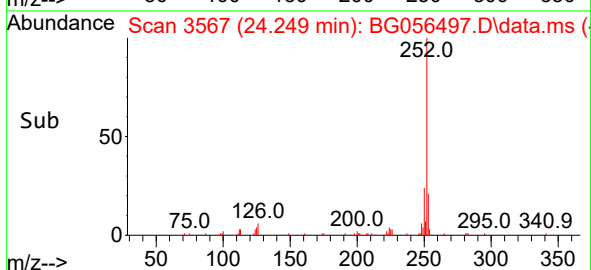
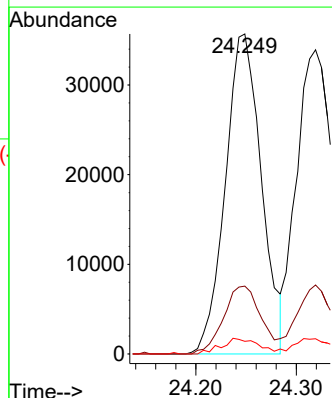
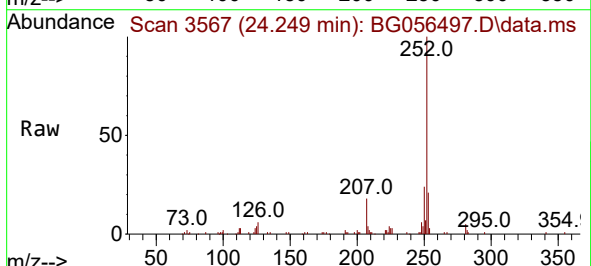
Tgt Ion:252 Resp: 89158

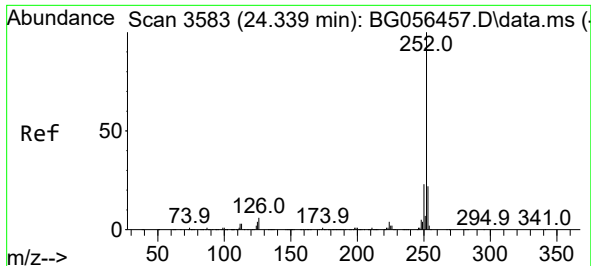
Ion Ratio Lower Upper

252 100

253 21.2 18.1 27.1

125 4.0 3.9 5.9

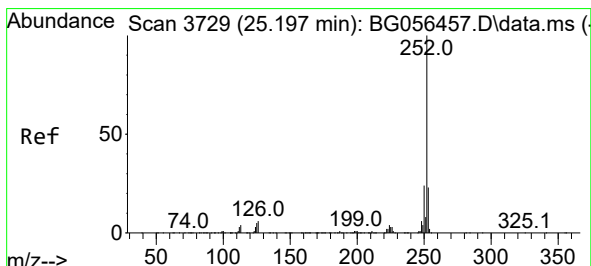
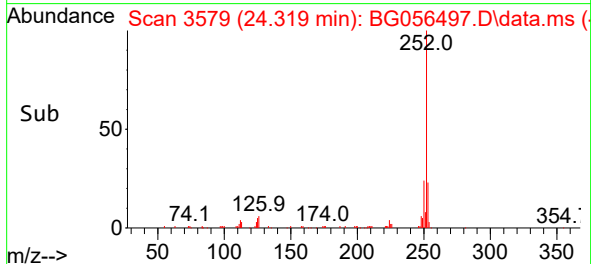
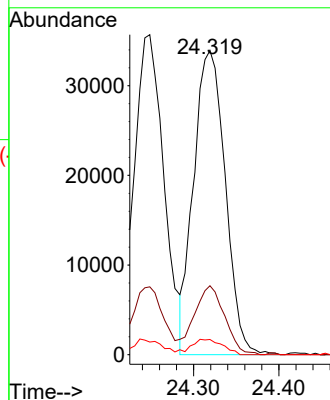
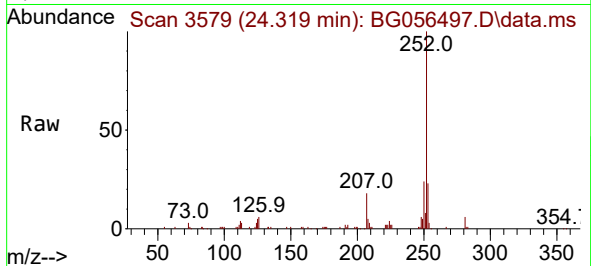




#89
Benzo(k)fluoranthene
Concen: 4.956 ng
RT: 24.319 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

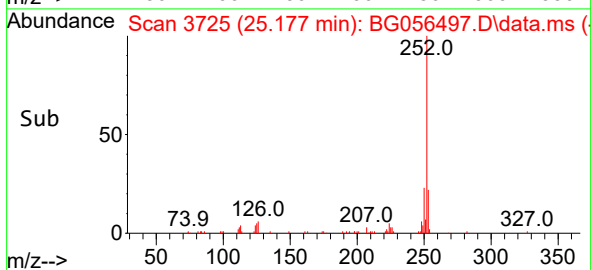
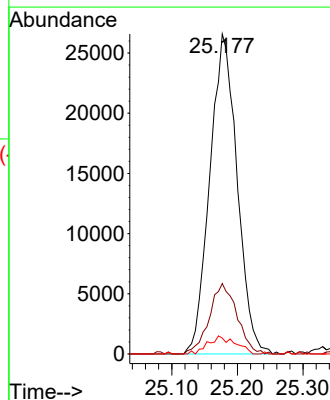
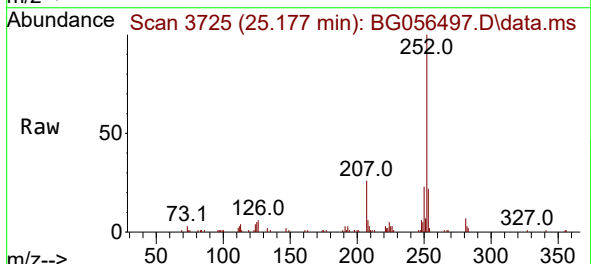
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

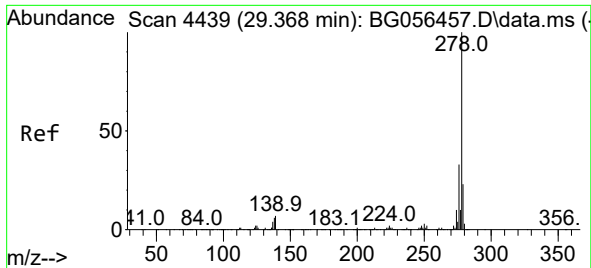
Tgt Ion:252 Resp: 87296
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 5.0 3.4 5.0



#90
Benzo(a)pyrene
Concen: 4.467 ng
RT: 25.177 min Scan# 3725
Delta R.T. -0.008 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:252 Resp: 76778
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 5.0 4.1 6.1

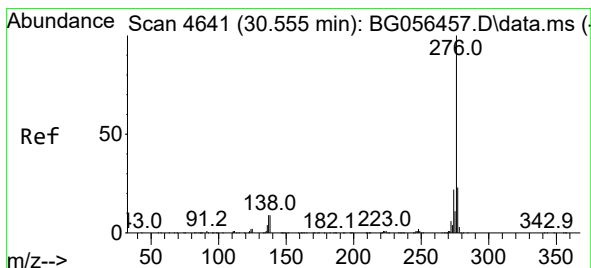
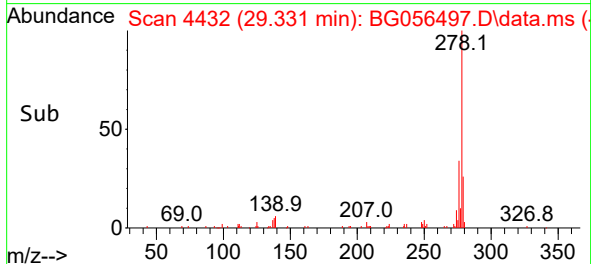
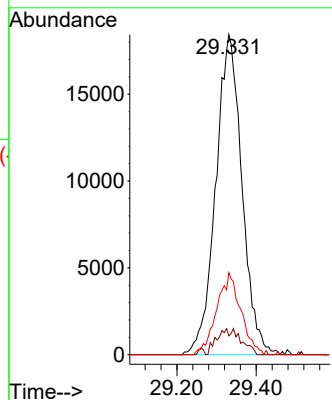
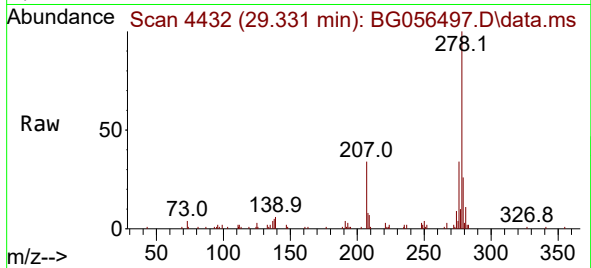




#91
Dibenzo(a,h)anthracene
Concen: 4.901 ng
RT: 29.331 min Scan# 4432
Delta R.T. -0.014 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

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

Tgt Ion:278 Resp: 84648
Ion Ratio Lower Upper
278 100
139 5.9 5.5 8.3
279 25.6 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 4.821 ng
RT: 30.500 min Scan# 4631
Delta R.T. -0.026 min
Lab File: BG056497.D
Acq: 1 Feb 2023 11:10

Tgt Ion:276 Resp: 80344
Ion Ratio Lower Upper
276 100
277 24.9 18.5 27.7
138 10.6 7.4 11.0

