

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
 Data File : BG056471.D
 Acq On : 30 Jan 2023 15:26
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Jan 31 03:01:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 00:39:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.277	152	34209	20.000	ng	0.00
21) Naphthalene-d8	11.108	136	131501	20.000	ng	0.00
39) Acenaphthene-d10	14.898	164	109085	20.000	ng	0.00
64) Phenanthrene-d10	17.636	188	279855	20.000	ng	0.00
76) Chrysene-d12	21.925	240	273909	20.000	ng	0.00
86) Perylene-d12	25.345	264	297454	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	199802	107.443	ng	0.00
7) Phenol-d6	7.419	99	288964	104.875	ng	0.00
23) Nitrobenzene-d5	9.452	82	168344	72.695	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	153237	105.665	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	570667	72.529	ng	0.00
79) Terphenyl-d14	20.210	244	1102513	70.696	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.600	88	7512	9.701	ng	# 97
3) Pyridine	4.023	79	19308	8.365	ng	97
4) n-Nitrosodimethylamine	3.929	42	4215	8.587	ng	# 89
6) Aniline	7.589	93	32306	8.955	ng	# 93
8) 2-Chlorophenol	7.836	128	17859	8.742	ng	87
9) Benzaldehyde	7.407	77	15788	9.885	ng	92
10) Phenol	7.448	94	26585	9.493	ng	96
11) bis(2-Chloroethyl)ether	7.677	93	18226	9.469	ng	93
12) 1,3-Dichlorobenzene	8.165	146	23852	10.141	ng	97
13) 1,4-Dichlorobenzene	8.312	146	23815	9.998	ng	95
14) 1,2-Dichlorobenzene	8.635	146	22734	9.837	ng	98
15) Benzyl Alcohol	8.512	79	16330	8.638	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.788	45	3909	9.584	ng	96
17) 2-Methylphenol	8.717	107	16890	7.928	ng	91
18) Hexachloroethane	9.375	117	7090	9.841	ng	91
19) n-Nitroso-di-n-propyla...	9.076	70	14712	9.265	ng	# 97
20) 3+4-Methylphenols	9.046	107	25120	8.413	ng	97
22) Acetophenone	9.105	105	33708	9.647	ng	# 96
24) Nitrobenzene	9.499	77	21004	9.403	ng	93
25) Isophorone	10.016	82	42916	8.983	ng	99
26) 2-Nitrophenol	10.215	139	12364	9.123	ng	94
27) 2,4-Dimethylphenol	10.262	122	18545	8.176	ng	97
28) bis(2-Chloroethoxy)met...	10.492	93	24790	9.393	ng	# 97
29) 2,4-Dichlorophenol	10.756	162	22712	8.896	ng	96
30) 1,2,4-Trichlorobenzene	10.973	180	28469	10.034	ng	92
31) Naphthalene	11.161	128	65951	9.502	ng	99
32) Benzoic acid	10.374	122	4660	3.672	ng	# 83
33) 4-Chloroaniline	11.261	127	28928	8.929	ng	98
34) Hexachlorobutadiene	11.438	225	20108	10.097	ng	92
35) Caprolactam	12.013	113	7534	8.750	ng	86
36) 4-Chloro-3-methylphenol	12.366	107	22633	9.180	ng	98
37) 2-Methylnaphthalene	12.748	142	51669	9.030	ng	96
38) 1-Methylnaphthalene	12.965	142	49587	9.279	ng	98
40) 1,2,4,5-Tetrachloroben...	13.106	216	38860	9.751	ng	97
41) Hexachlorocyclopentadiene	13.083	237	11704	11.470	ng	95
43) 2,4,6-Trichlorophenol	13.341	196	22618	8.807	ng	92

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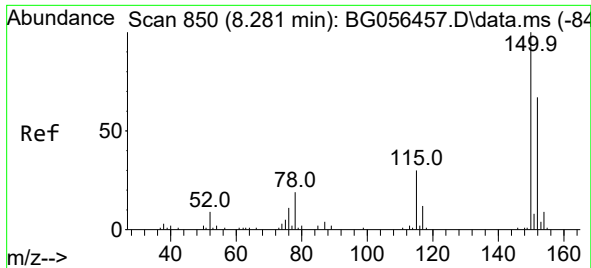
Quant Time: Jan 31 03:01:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 00:39:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.418	196	25320	8.421	ng	97
46) 1,1'-Biphenyl	13.735	154	75842	9.585	ng	97
47) 2-Chloronaphthalene	13.782	162	59690	9.652	ng	98
48) 2-Nitroaniline	13.982	65	11215	8.772	ng	87
49) Acenaphthylene	14.622	152	92060	9.149	ng	99
50) Dimethylphthalate	14.334	163	79122	8.965	ng	100
51) 2,6-Dinitrotoluene	14.463	165	16975	8.820	ng	98
52) Acenaphthene	14.963	154	53992	9.049	ng	93
53) 3-Nitroaniline	14.798	138	15579	8.350	ng	99
54) 2,4-Dinitrophenol	15.010	184	10051	8.330	ng	95
55) Dibenzofuran	15.292	168	98786	9.232	ng	98
56) 4-Nitrophenol	15.104	139	9506	7.456	ng	97
57) 2,4-Dinitrotoluene	15.251	165	24131	8.901	ng	# 97
58) Fluorene	15.938	166	78965	9.274	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.521	232	22360	8.364	ng	# 98
60) Diethylphthalate	15.685	149	76320	9.210	ng	99
61) 4-Chlorophenyl-phenyle...	15.921	204	48199	9.277	ng	99
62) 4-Nitroaniline	15.950	138	16624	8.904	ng	98
63) Azobenzene	16.214	77	53279	9.344	ng	97
65) 4,6-Dinitro-2-methylph...	16.015	198	19764	10.045	ng	94
66) n-Nitrosodiphenylamine	16.132	169	72747	9.181	ng	97
67) 4-Bromophenyl-phenylether	16.814	248	32389	9.041	ng	96
68) Hexachlorobenzene	16.943	284	33614	9.580	ng	99
69) Atrazine	17.066	200	31071	10.165	ng	99
70) Pentachlorophenol	17.290	266	20080	9.457	ng	93
71) Phenanthrene	17.677	178	136830	9.342	ng	99
72) Anthracene	17.765	178	141491	9.410	ng	98
73) Carbazole	18.036	167	121499	9.488	ng	98
74) Di-n-butylphthalate	18.559	149	120554	8.966	ng	99
75) Fluoranthene	19.669	202	176338	9.539	ng	99
77) Benzidine	19.839	184	95271	12.853	ng	97
78) Pyrene	20.027	202	179960	9.238	ng	100
80) Butylbenzylphthalate	20.885	149	53864	9.053	ng	98
81) Benzo(a)anthracene	21.902	228	178777	9.336	ng	99
82) 3,3'-Dichlorobenzidine	21.802	252	73550	10.666	ng	99
83) Chrysene	21.972	228	167808	9.328	ng	99
84) Bis(2-ethylhexyl)phtha...	21.761	149	75758	8.881	ng	# 98
85) Di-n-octyl phthalate	23.030	149	128691	9.059	ng	100
87) Indeno(1,2,3-cd)pyrene	29.281	276	200032	9.187	ng	100
88) Benzo(b)fluoranthene	24.246	252	182275	9.873	ng	99
89) Benzo(k)fluoranthene	24.317	252	185917	9.974	ng	98
90) Benzo(a)pyrene	25.186	252	163429	8.986	ng	95
91) Dibenzo(a,h)anthracene	29.334	278	175339	9.593	ng	99
92) Benzo(g,h,i)perylene	30.509	276	167980	9.525	ng	96

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

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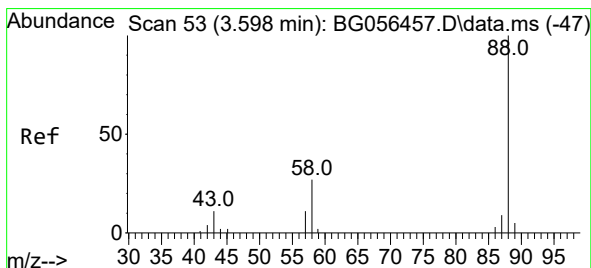
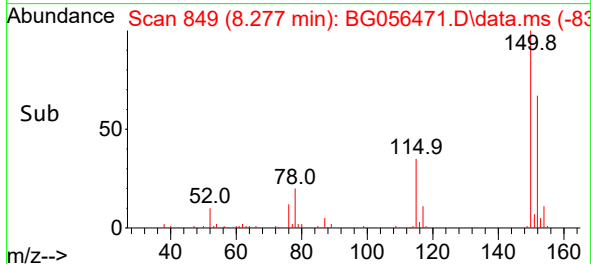
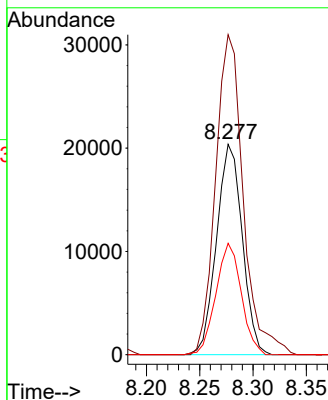
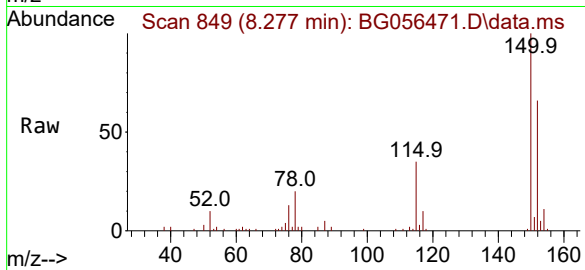
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.277 min Scan# 84
Delta R.T. -0.004 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

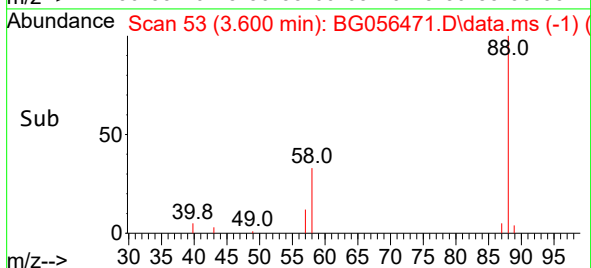
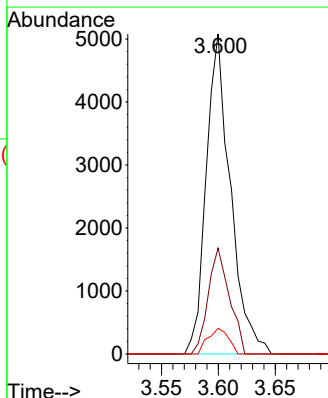
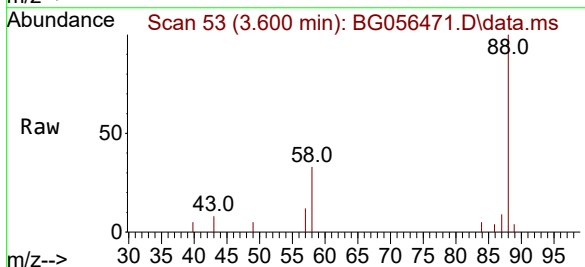
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BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

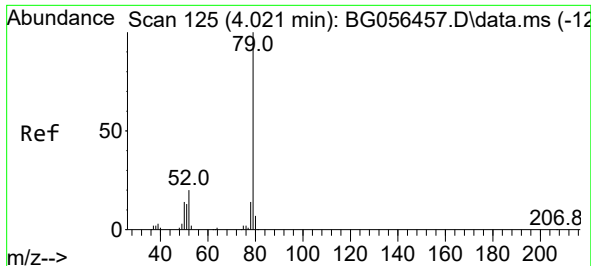
Tgt Ion:152 Resp: 34209
Ion Ratio Lower Upper
152 100
150 152.0 120.2 180.4
115 52.9 36.3 54.5



#2
1,4-Dioxane
Concen: 9.701 ng
RT: 3.600 min Scan# 53
Delta R.T. 0.001 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion: 88 Resp: 7512
Ion Ratio Lower Upper
88 100
58 28.9 23.0 34.4
43 6.8 8.0 12.0#

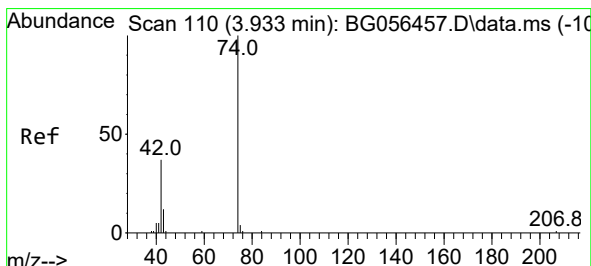
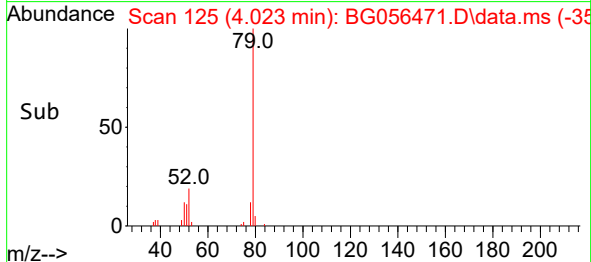
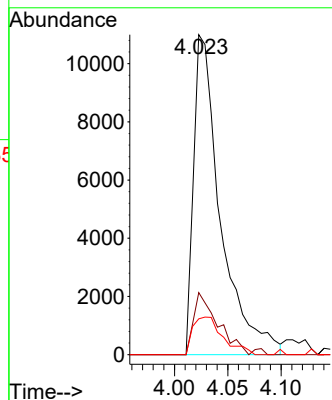
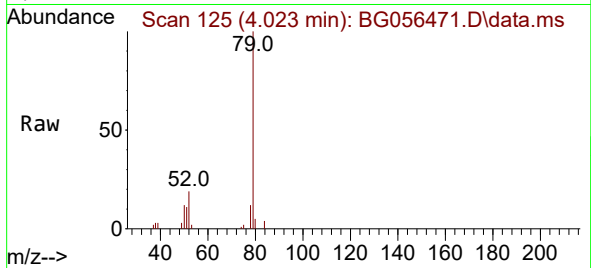




#3
Pyridine
Concen: 8.365 ng
RT: 4.023 min Scan# 110
Delta R.T. 0.001 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

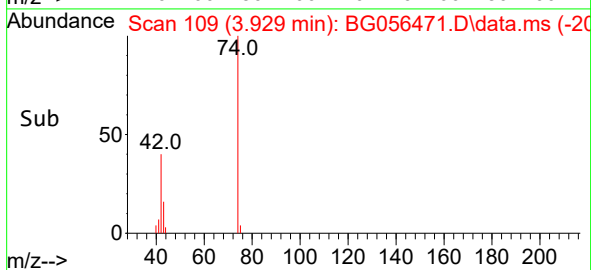
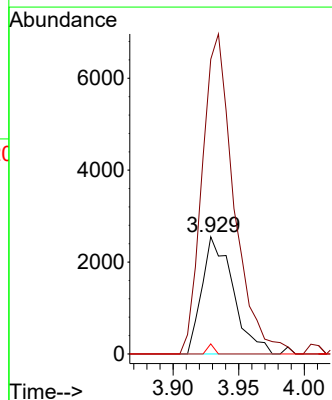
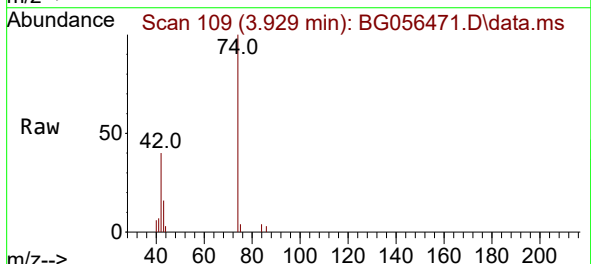
Instrument :
BNA_G
ClientSampleId :
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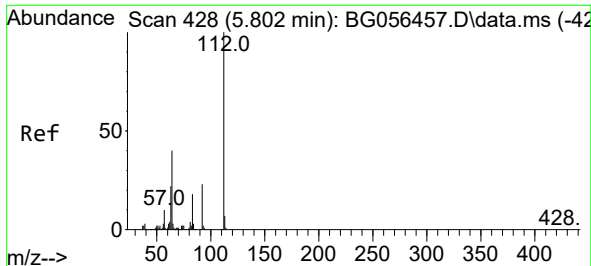
Tgt Ion: 79 Resp: 19308
Ion Ratio Lower Upper
79 100
52 19.4 16.1 24.1
51 11.2 10.7 16.1



#4
n-Nitrosodimethylamine
Concen: 8.587 ng
RT: 3.929 min Scan# 109
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion: 42 Resp: 4215
Ion Ratio Lower Upper
42 100
74 251.5 217.9 326.9
44 8.7 3.0 4.6

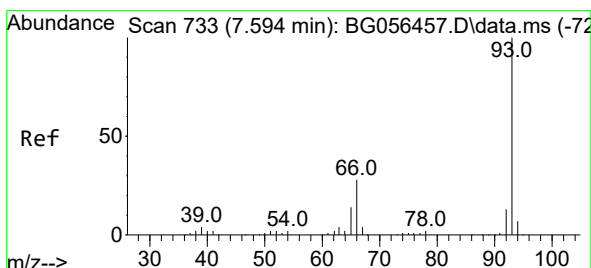
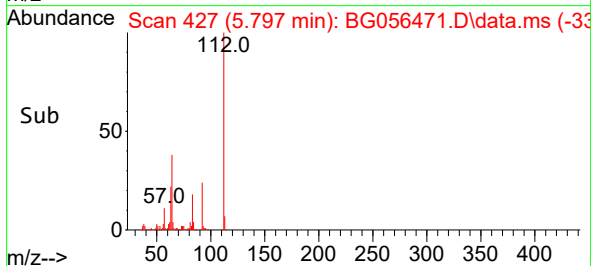
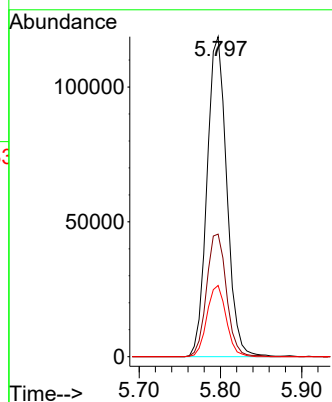
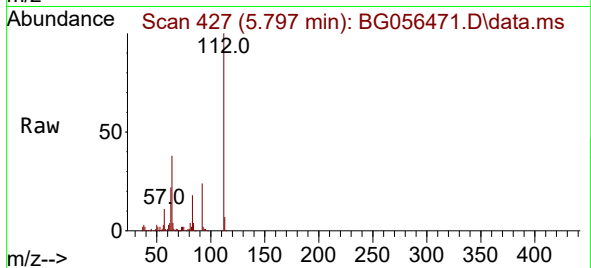




#5
2-Fluorophenol
Concen: 107.443 ng
RT: 5.797 min Scan# 41
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

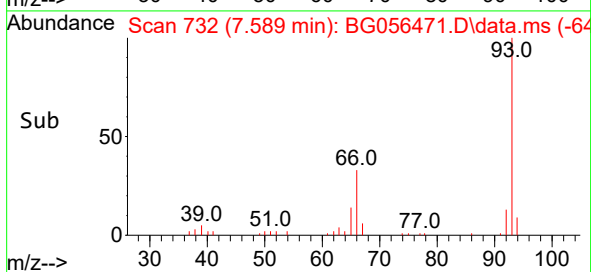
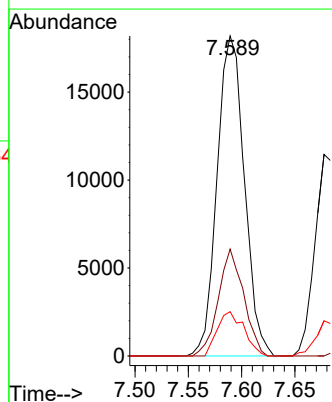
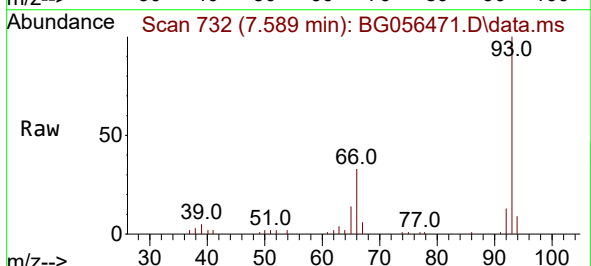
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ClientSampleId :
LOQ-SOIL-02-QT3-2022

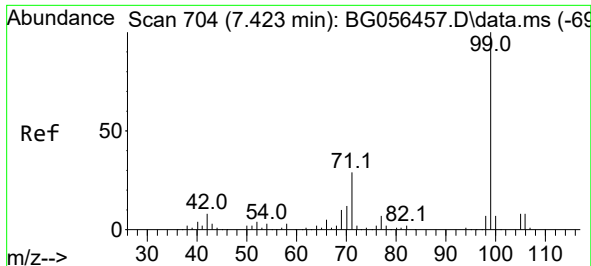
Tgt Ion:112 Resp: 199802
Ion Ratio Lower Upper
112 100
64 38.3 31.9 47.9
63 22.3 17.4 26.0



#6
Aniline
Concen: 8.955 ng
RT: 7.589 min Scan# 732
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion: 93 Resp: 32306
Ion Ratio Lower Upper
93 100
66 33.4 22.2 33.2#
65 13.8 11.3 16.9

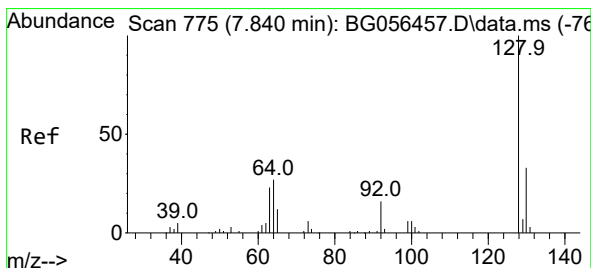
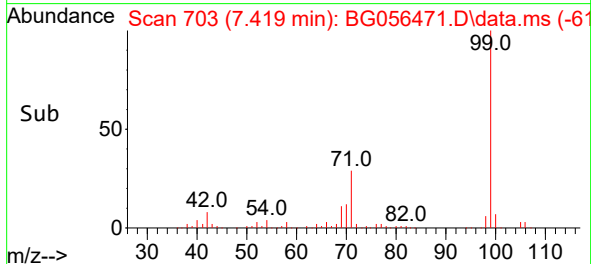
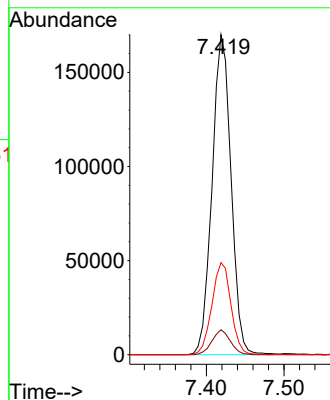
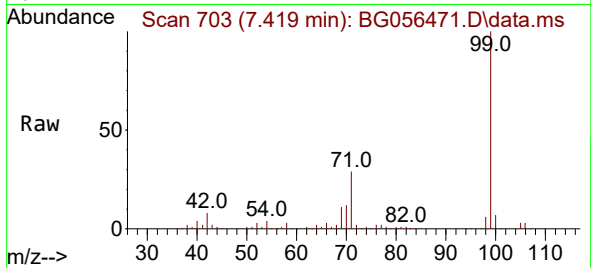




#7
Phenol-d6
Concen: 104.875 ng
RT: 7.419 min Scan# 703
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

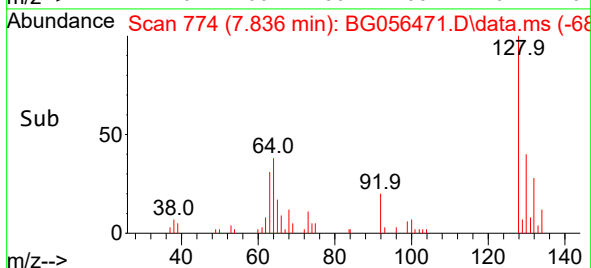
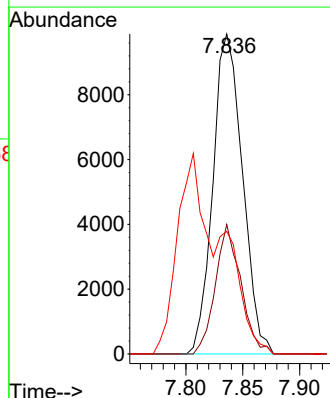
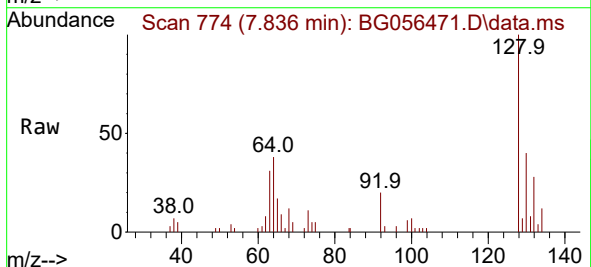
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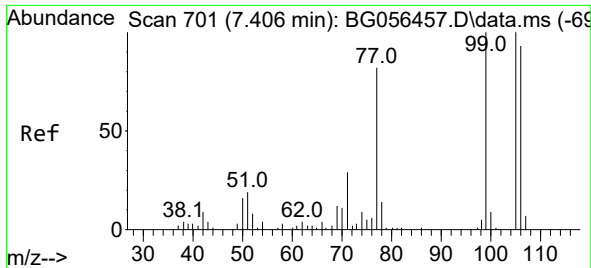
Tgt Ion: 99 Resp: 288964
Ion Ratio Lower Upper
99 100
42 7.8 6.6 10.0
71 28.8 23.4 35.0



#8
2-Chlorophenol
Concen: 8.742 ng
RT: 7.836 min Scan# 774
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion: 128 Resp: 17859
Ion Ratio Lower Upper
128 100
130 40.4 12.8 52.8
64 38.3 11.3 51.3

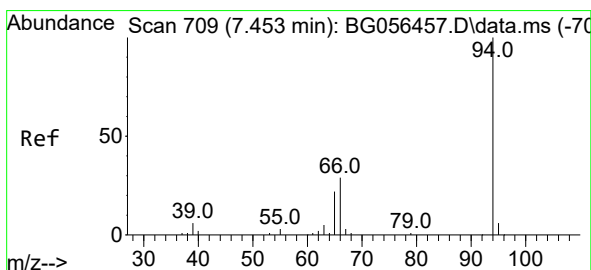
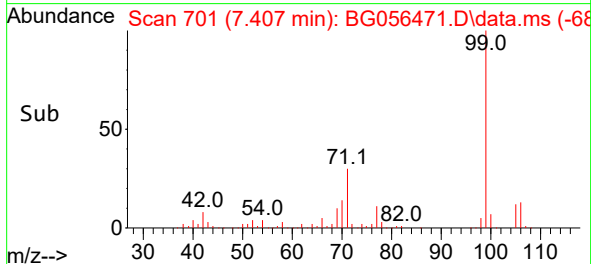
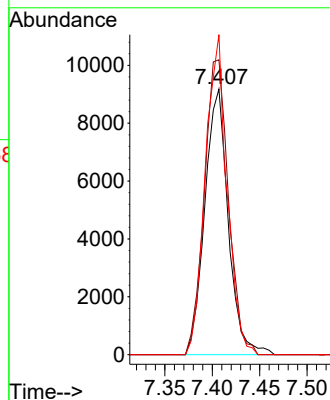
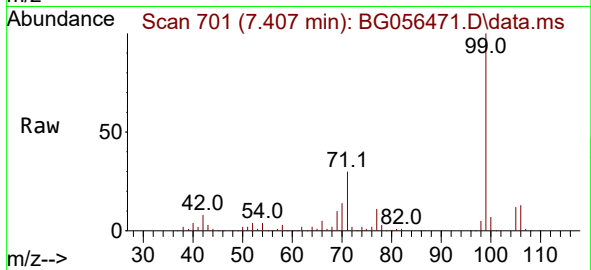




#9
Benzaldehyde
Concen: 9.885 ng
RT: 7.407 min Scan# 701
Delta R.T. 0.001 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

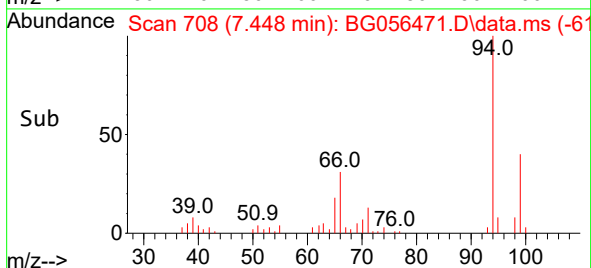
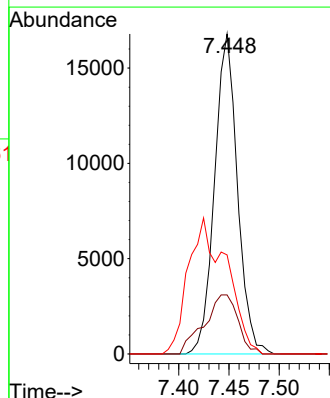
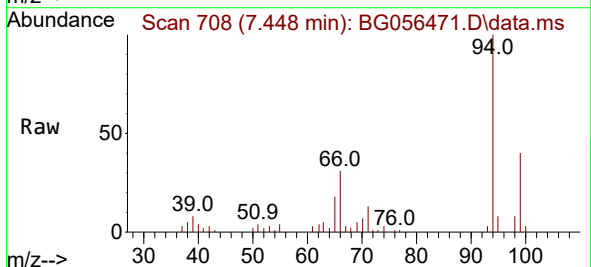
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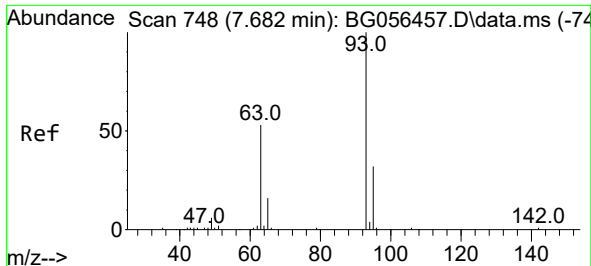
Tgt Ion:	77	Resp:	15788
Ion	Ratio	Lower	Upper
77	100		
105	111.0	101.8	141.8
106	120.5	93.0	133.0



#10
Phenol
Concen: 9.493 ng
RT: 7.448 min Scan# 708
Delta R.T. -0.005 min
Lab File: BG056471.D
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Tgt Ion:	94	Resp:	26585
Ion	Ratio	Lower	Upper
94	100		
65	18.5	2.3	42.3
66	30.9	11.2	51.2





#11

bis(2-Chloroethyl)ether

Concen: 9.469 ng

RT: 7.677 min Scan# 74

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

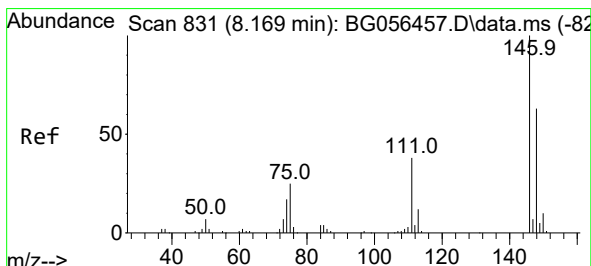
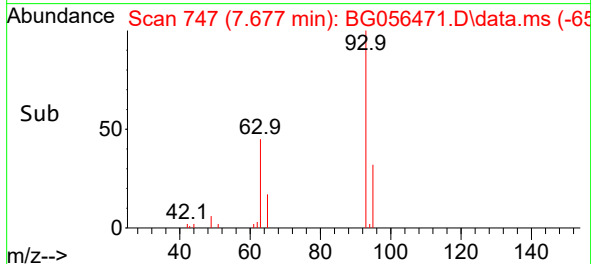
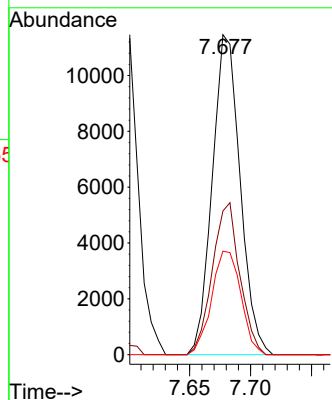
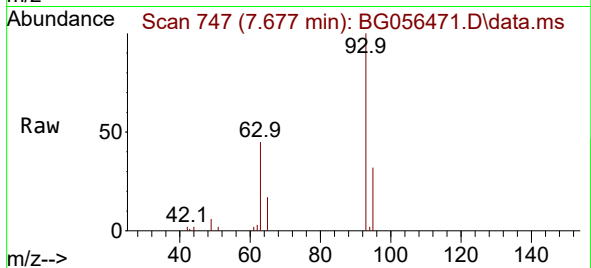
Tgt Ion: 93 Resp: 18226

Ion Ratio Lower Upper

93 100

63 44.9 32.4 72.4

95 32.4 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 10.141 ng

RT: 8.165 min Scan# 830

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

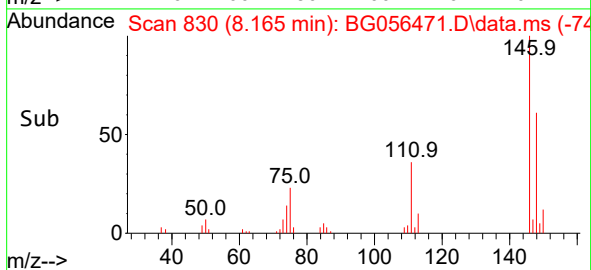
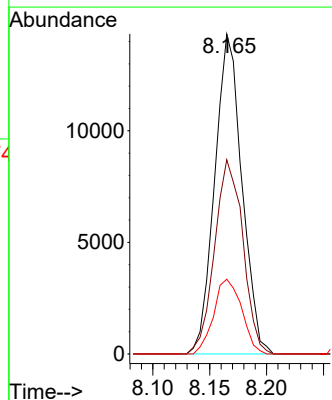
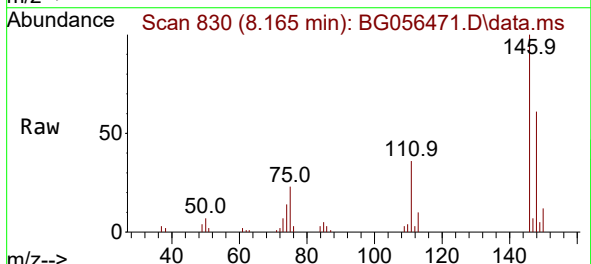
Tgt Ion:146 Resp: 23852

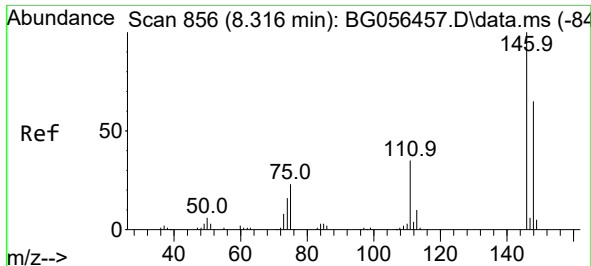
Ion Ratio Lower Upper

146 100

148 60.7 50.6 75.8

75 23.3 19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 9.998 ng

RT: 8.312 min Scan# 81

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

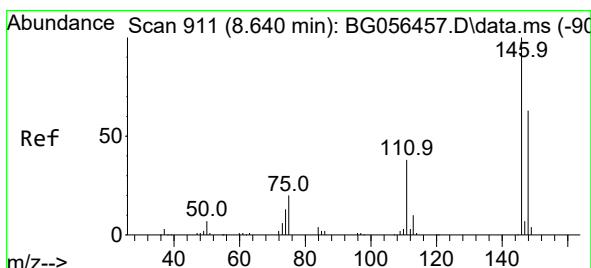
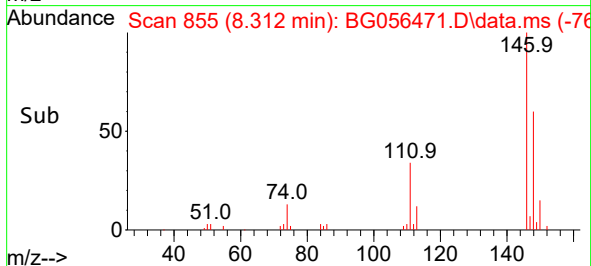
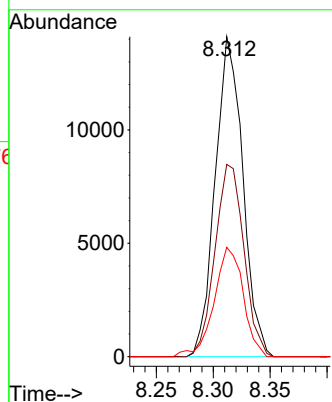
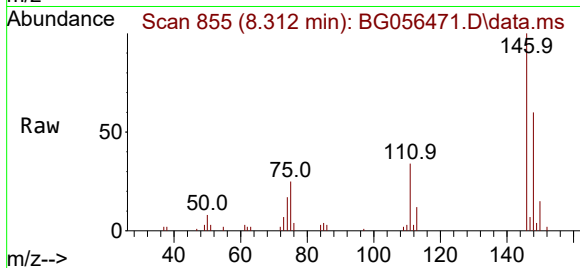
Tgt Ion:146 Resp: 23815

Ion Ratio Lower Upper

146 100

148 60.1 51.8 77.6

111 34.2 28.6 42.8



#14

1,2-Dichlorobenzene

Concen: 9.837 ng

RT: 8.635 min Scan# 910

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

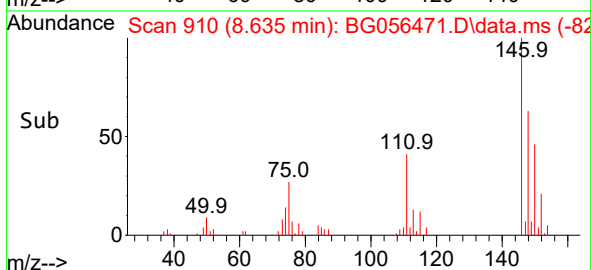
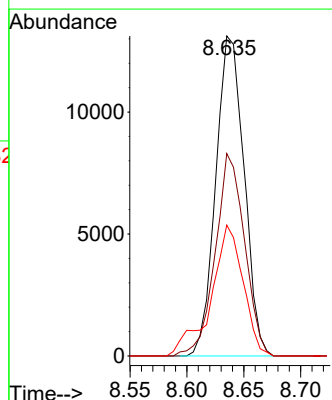
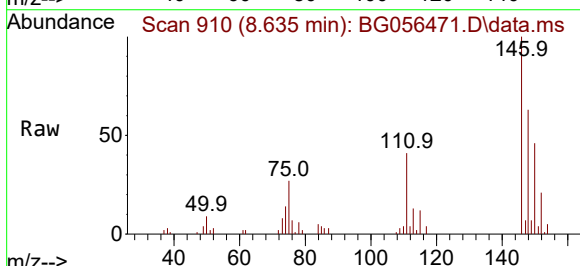
Tgt Ion:146 Resp: 22734

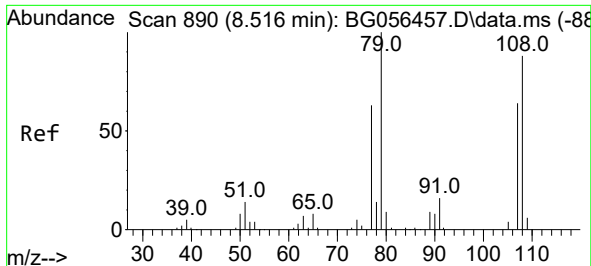
Ion Ratio Lower Upper

146 100

148 63.2 50.1 75.1

111 40.9 30.9 46.3

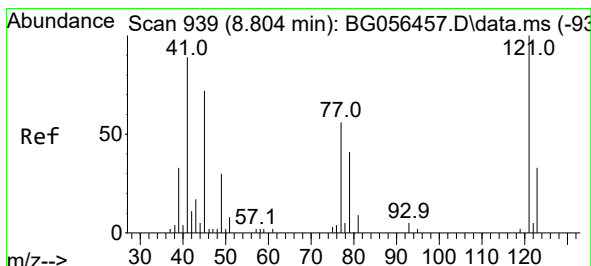
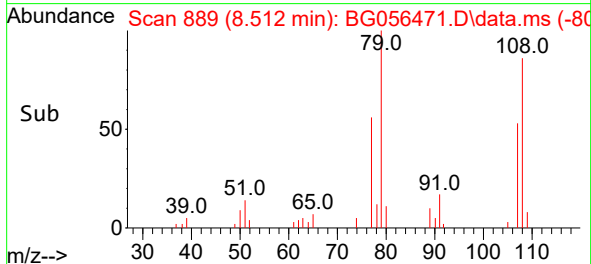
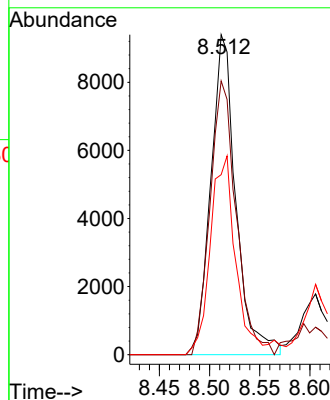
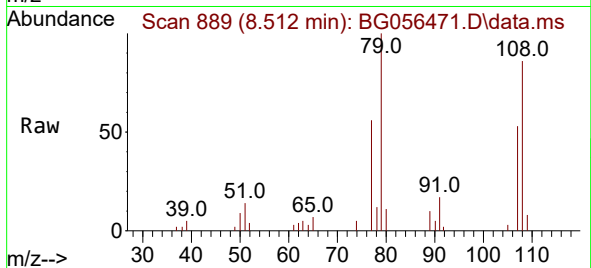




#15
Benzyl Alcohol
Concen: 8.638 ng
RT: 8.512 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

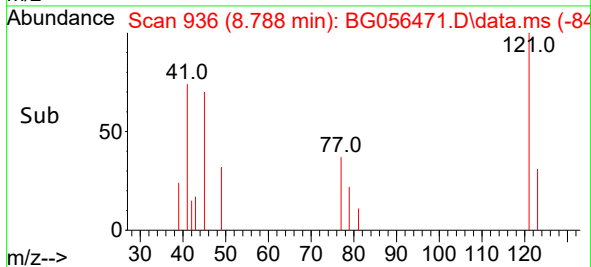
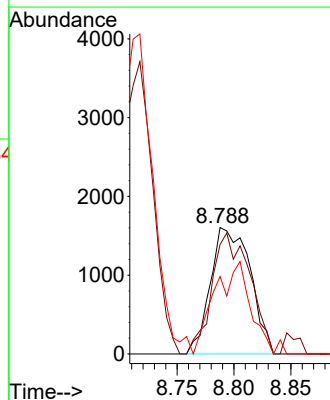
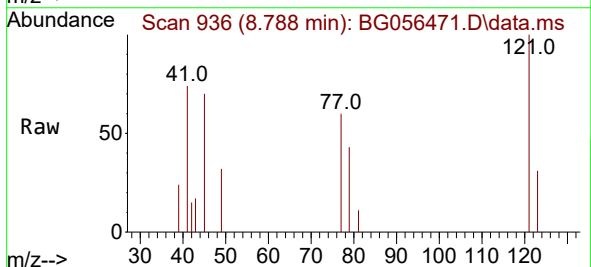
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

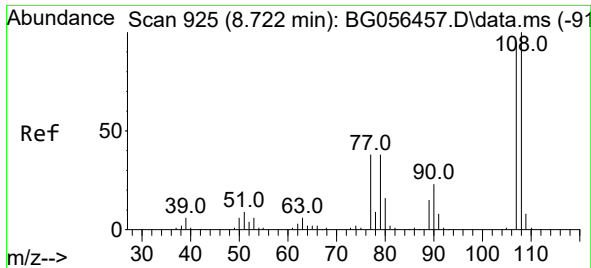
Tgt Ion: 79 Resp: 16330
Ion Ratio Lower Upper
79 100
108 85.6 70.1 105.1
77 56.3 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.584 ng
RT: 8.788 min Scan# 936
Delta R.T. -0.016 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion: 45 Resp: 3909
Ion Ratio Lower Upper
45 100
77 86.5 62.1 102.1
79 61.3 42.7 82.7

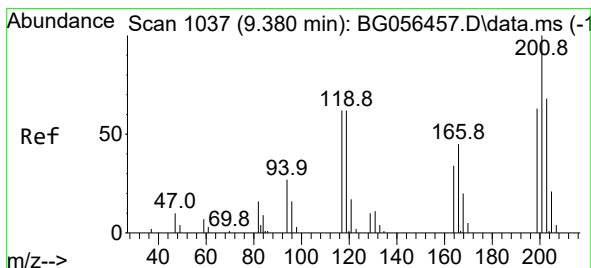
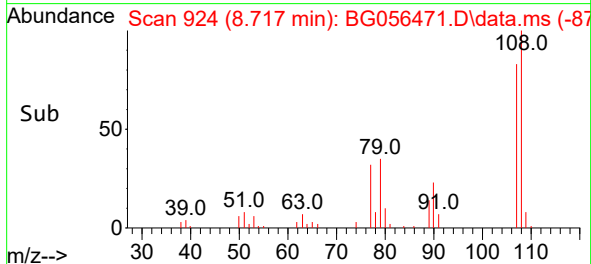
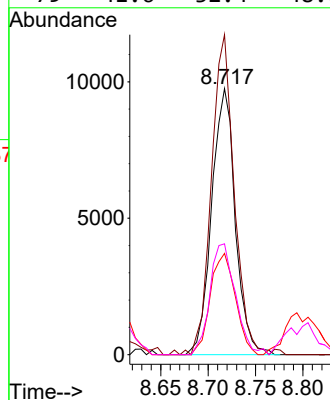
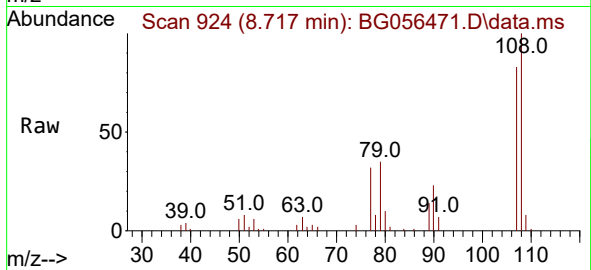




#17
2-Methylphenol
Concen: 7.928 ng
RT: 8.717 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

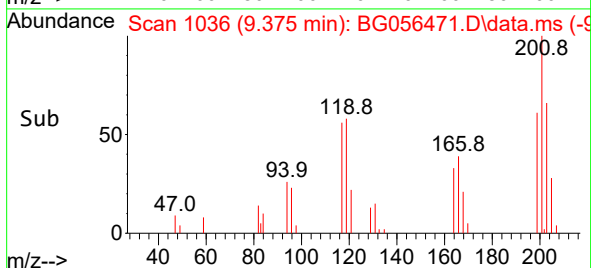
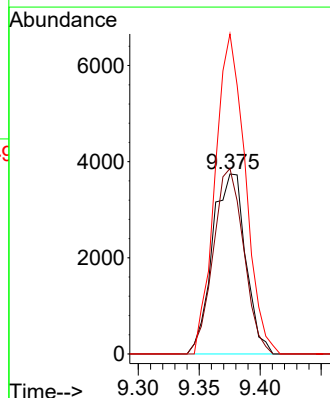
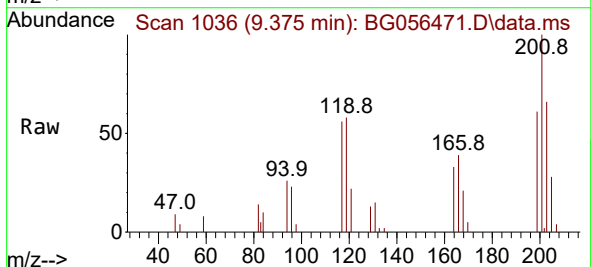
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

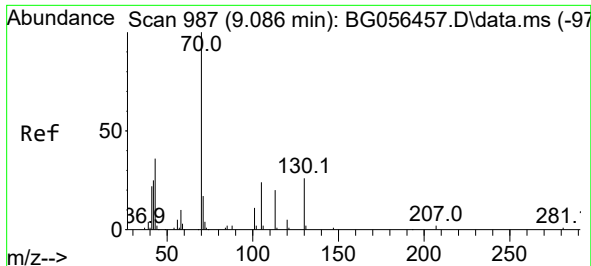
Tgt Ion:	107	Resp:	16890
Ion	Ratio	Lower	Upper
107	100		
108	120.2	83.9	125.9
77	38.0	31.6	47.4
79	41.6	32.4	48.6



#18
Hexachloroethane
Concen: 9.841 ng
RT: 9.375 min Scan# 1036
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:	117	Resp:	7090
Ion	Ratio	Lower	Upper
117	100		
119	103.0	79.4	119.0
201	177.8	128.5	192.7

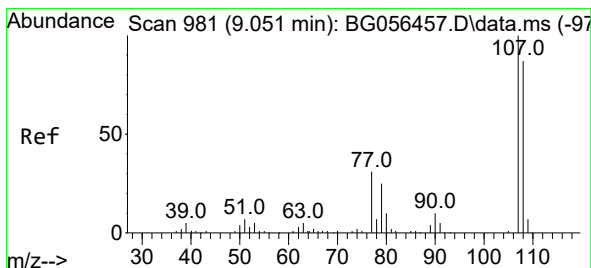
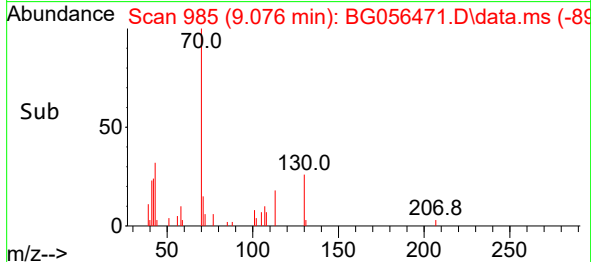
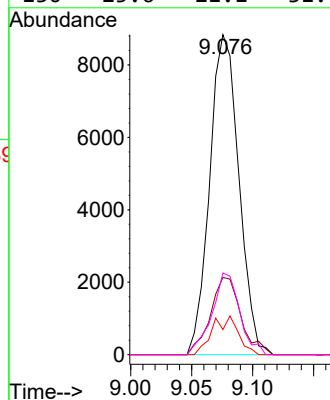
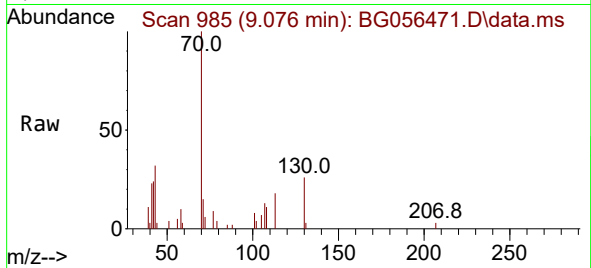




#19
n-Nitroso-di-n-propylamine
Concen: 9.265 ng
RT: 9.076 min Scan# 91
Delta R.T. -0.010 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

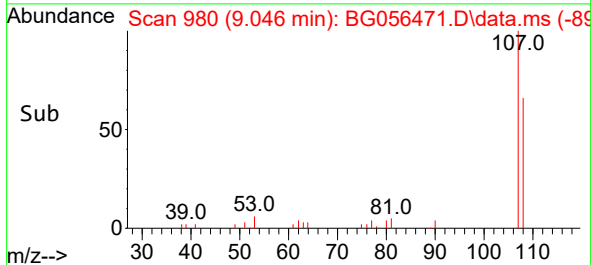
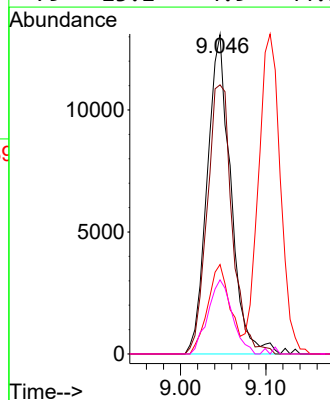
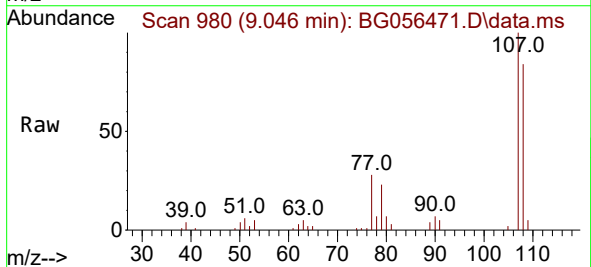
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

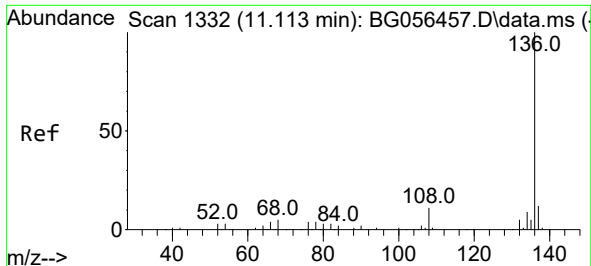
Tgt Ion: 70	Resp: 14712
Ion Ratio	Lower Upper
70	100
42	24.1 20.2 30.4
101	7.8 9.1 13.7#
130	25.6 21.1 31.7



#20
3+4-Methylphenols
Concen: 8.413 ng
RT: 9.046 min Scan# 980
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion: 107	Resp: 25120
Ion Ratio	Lower Upper
107	100
108	84.3 66.7 106.7
77	28.0 10.6 50.6
79	23.2 4.9 44.9

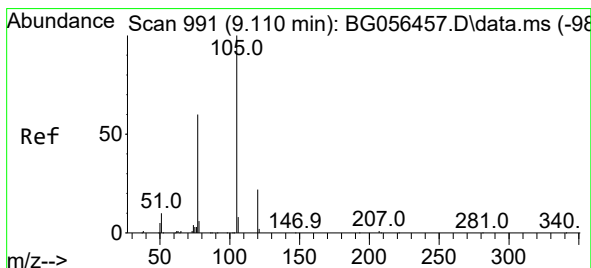
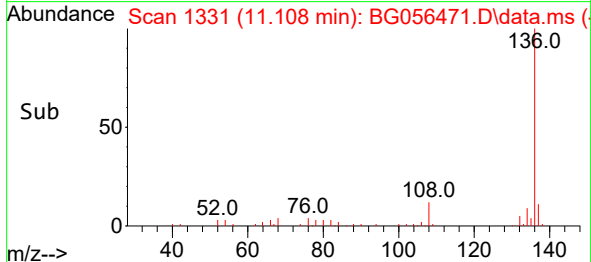
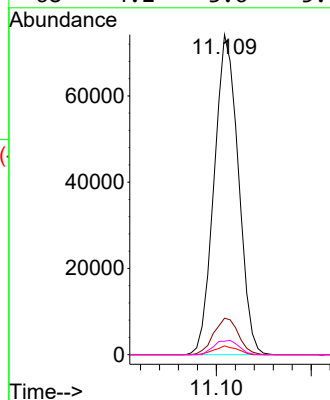
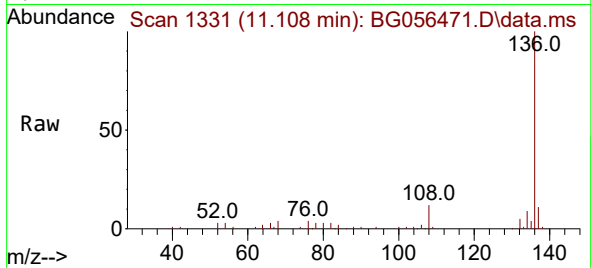




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

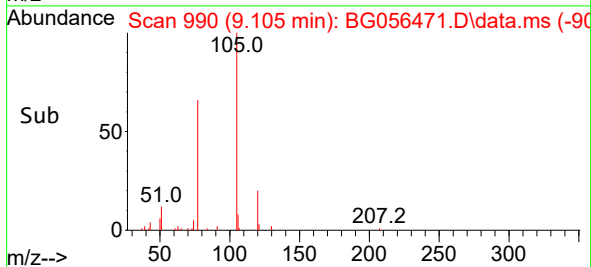
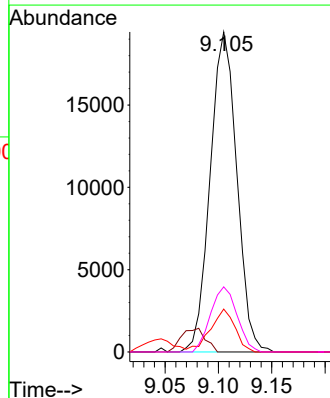
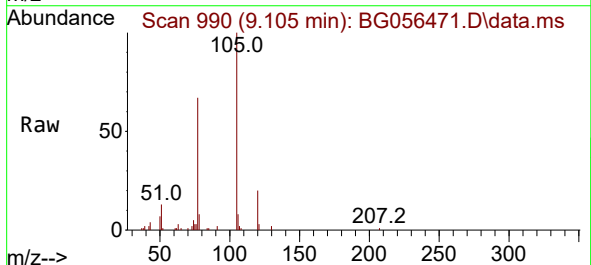
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

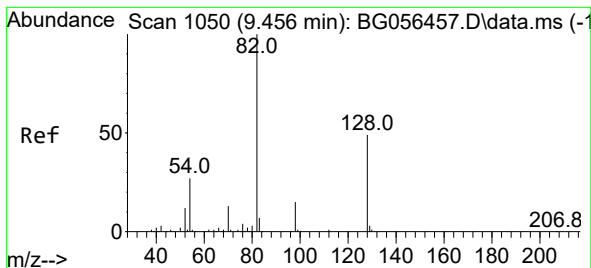
Tgt Ion:	136	Resp:	131501
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	2.8	2.2	3.4
68	4.2	3.6	5.4



#22
Acetophenone
Concen: 9.647 ng
RT: 9.105 min Scan# 990
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:	105	Resp:	33708
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	0.8#
51	13.4	9.2	13.8
120	20.4	17.4	26.0





#23

Nitrobenzene-d5

Concen: 72.695 ng

RT: 9.452 min Scan# 1049

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

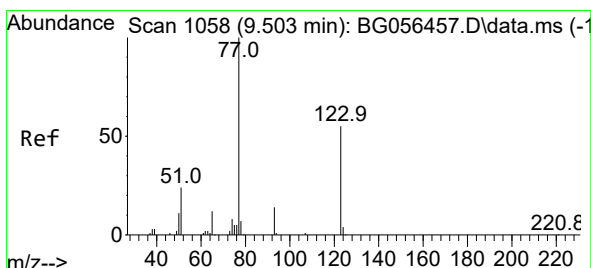
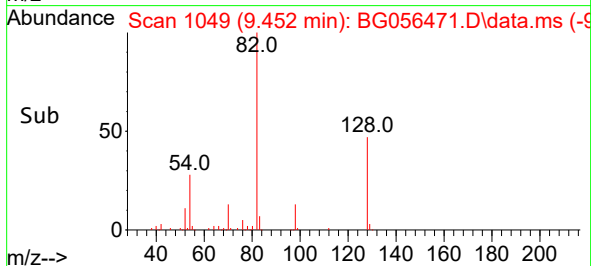
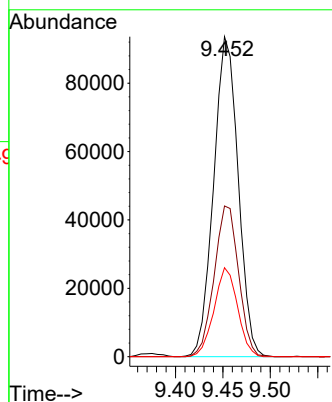
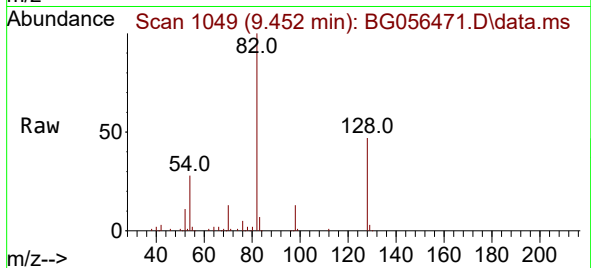
Tgt Ion: 82 Resp: 168344

Ion Ratio Lower Upper

82 100

128 47.1 39.4 59.2

54 27.8 21.4 32.2



#24

Nitrobenzene

Concen: 9.403 ng

RT: 9.499 min Scan# 1057

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

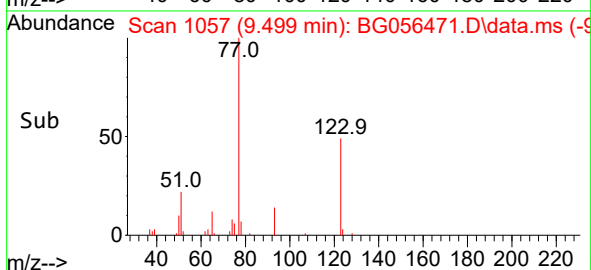
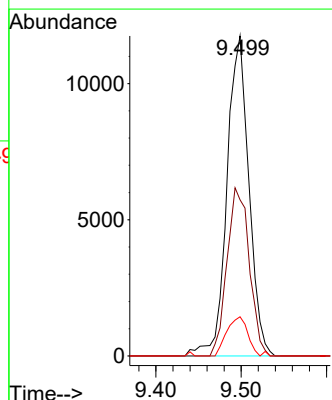
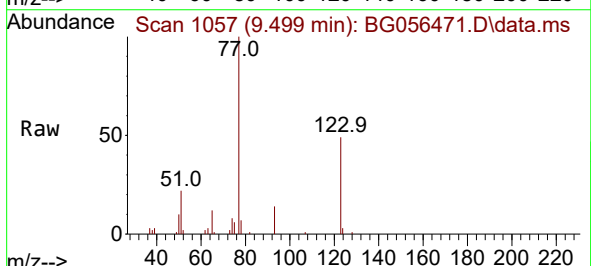
Tgt Ion: 77 Resp: 21004

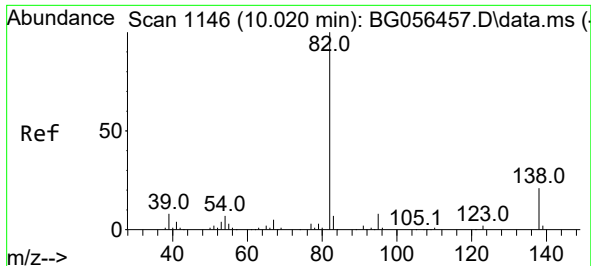
Ion Ratio Lower Upper

77 100

123 48.8 44.0 66.0

65 12.3 9.7 14.5

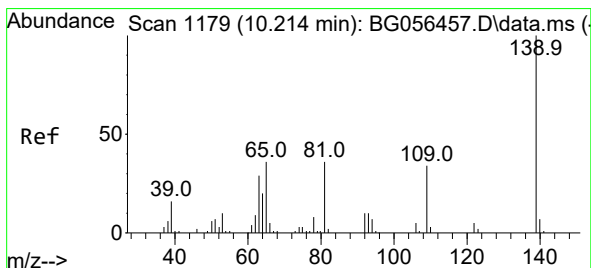
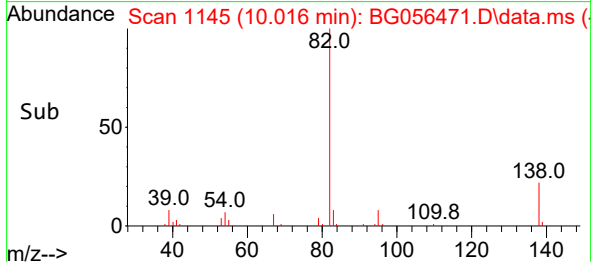
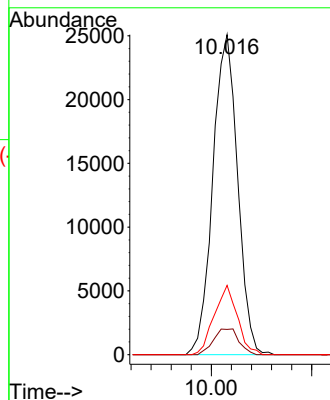
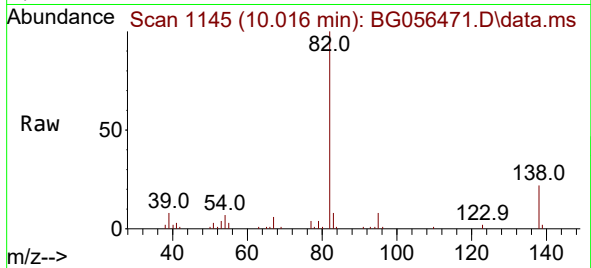




#25
Isophorone
Concen: 8.983 ng
RT: 10.016 min Scan# 1146
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

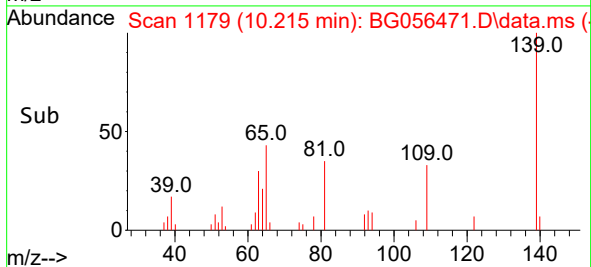
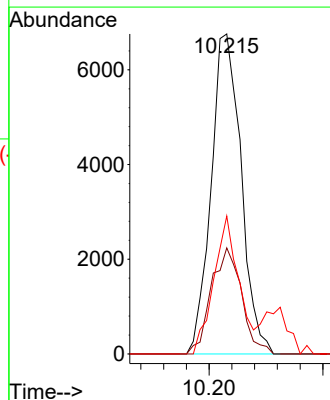
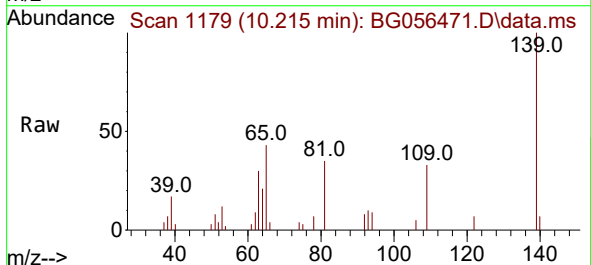
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

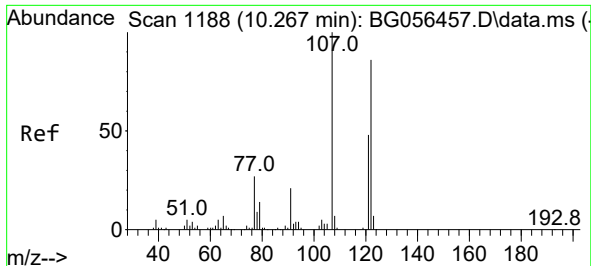
Tgt Ion: 82 Resp: 42916
Ion Ratio Lower Upper
82 100
95 7.9 6.3 9.5
138 21.6 16.6 25.0



#26
2-Nitrophenol
Concen: 9.123 ng
RT: 10.215 min Scan# 1179
Delta R.T. 0.001 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:139 Resp: 12364
Ion Ratio Lower Upper
139 100
109 33.1 26.9 40.3
65 43.1 29.0 43.4

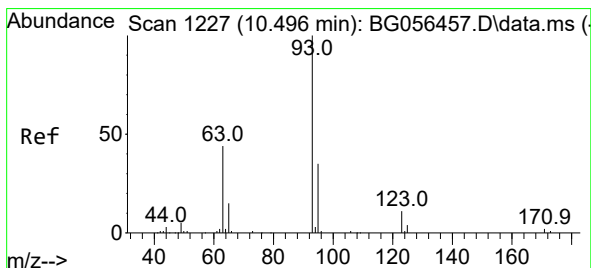
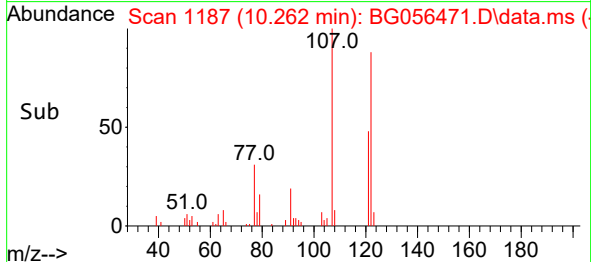
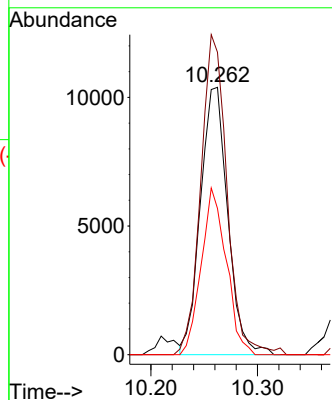
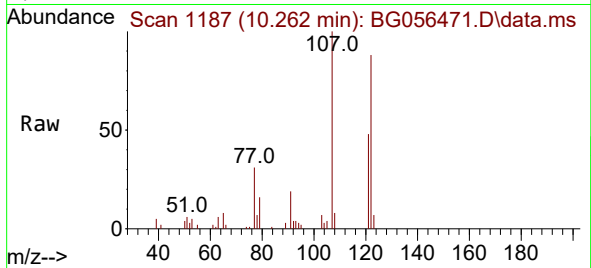




#27
2,4-Dimethylphenol
Concen: 8.176 ng
RT: 10.262 min Scan# 1187
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

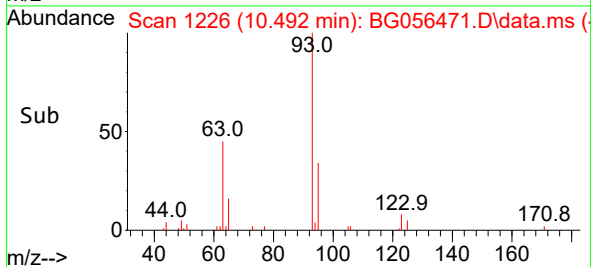
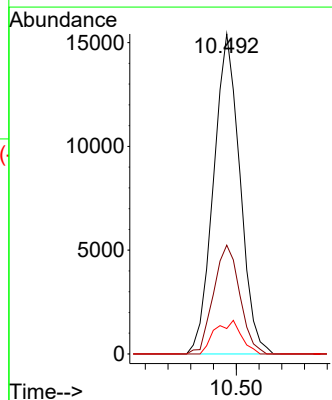
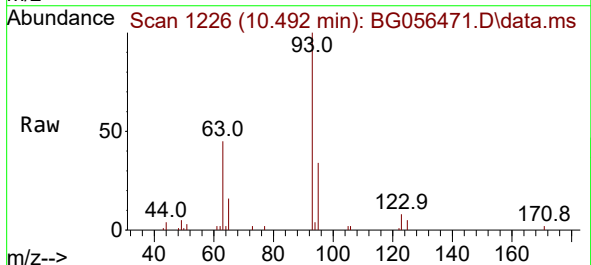
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

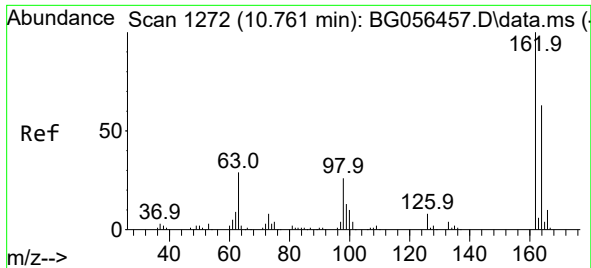
Tgt Ion:122 Resp: 18545
Ion Ratio Lower Upper
122 100
107 113.1 92.9 139.3
121 54.7 45.0 67.4



#28
bis(2-Chloroethoxy)methane
Concen: 9.393 ng
RT: 10.492 min Scan# 1226
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion: 93 Resp: 24790
Ion Ratio Lower Upper
93 100
95 34.0 27.9 41.9
123 8.0 8.6 12.8#





#29

2,4-Dichlorophenol

Concen: 8.896 ng

RT: 10.756 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

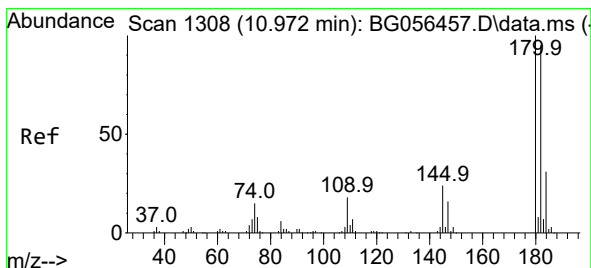
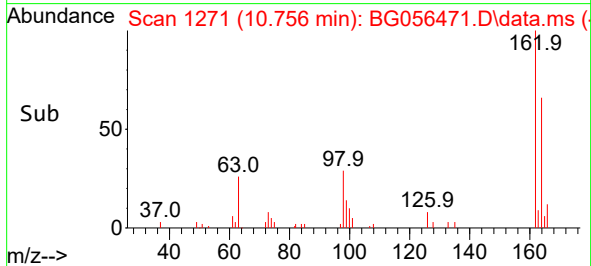
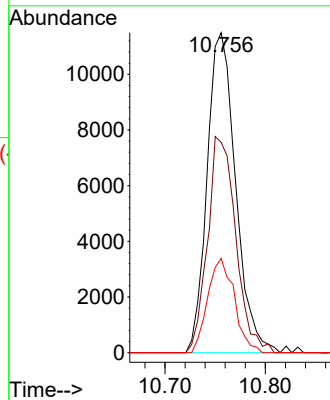
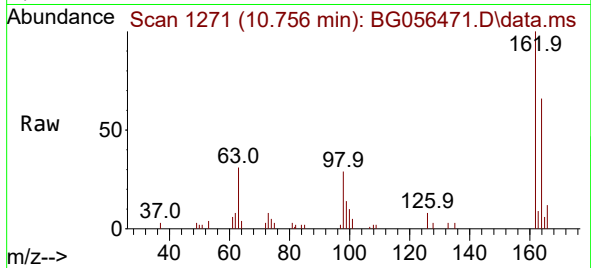
Tgt Ion:162 Resp: 22712

Ion Ratio Lower Upper

162 100

164 65.7 42.8 82.8

98 29.5 6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 10.034 ng

RT: 10.973 min Scan# 1308

Delta R.T. 0.001 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

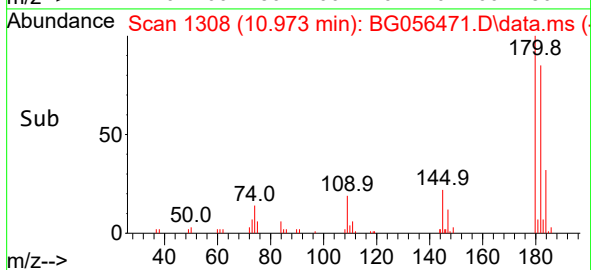
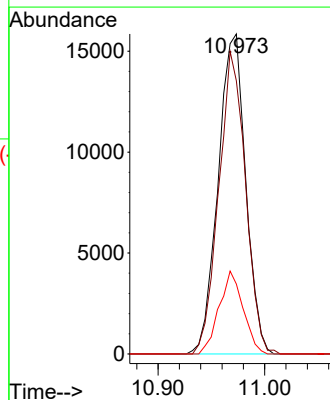
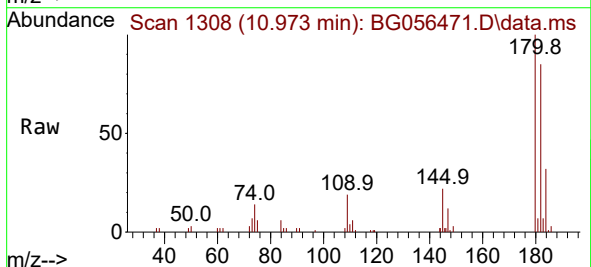
Tgt Ion:180 Resp: 28469

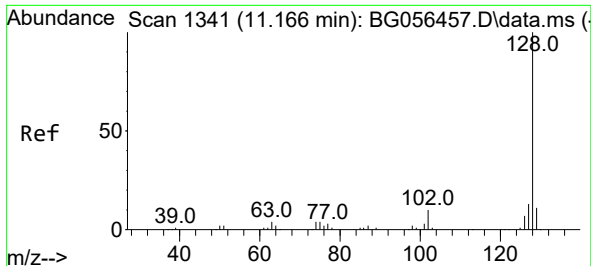
Ion Ratio Lower Upper

180 100

182 85.4 75.9 113.9

145 23.8 19.4 29.0

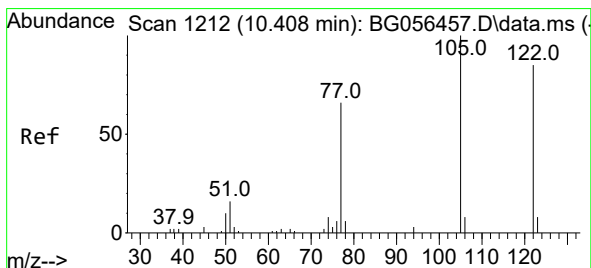
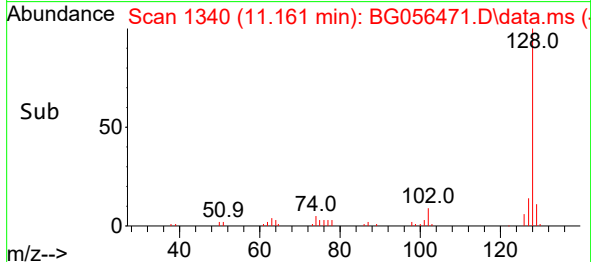
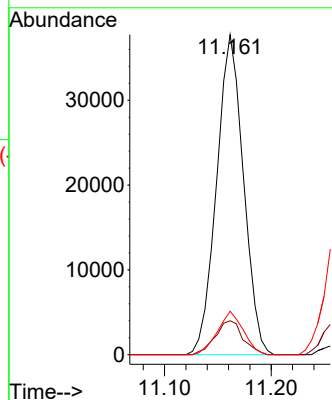
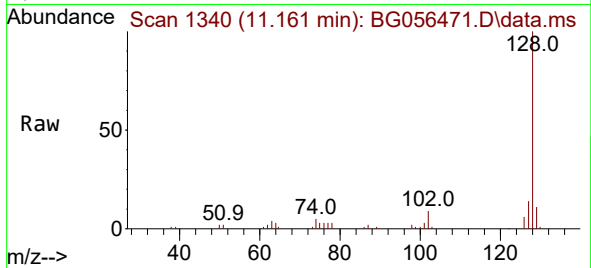




#31
Naphthalene
Concen: 9.502 ng
RT: 11.161 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

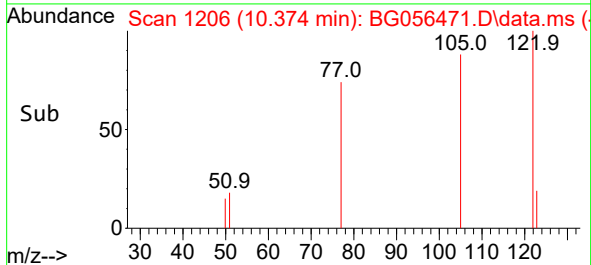
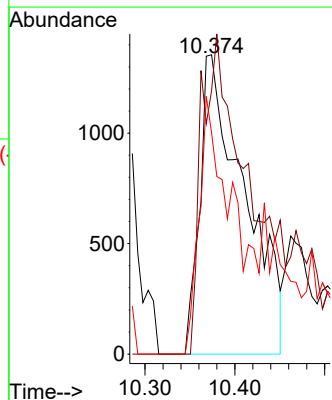
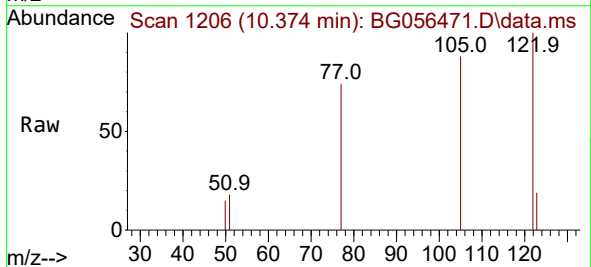
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

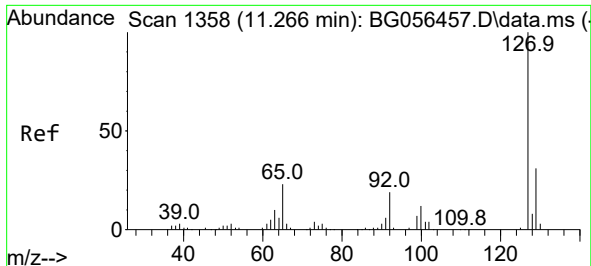
Tgt Ion:128 Resp: 65951
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.5 10.4 15.6



#32
Benzoic acid
Concen: 3.672 ng
RT: 10.374 min Scan# 1206
Delta R.T. -0.034 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:122 Resp: 4660
Ion Ratio Lower Upper
122 100
105 88.0 96.5 136.5#
77 73.9 57.3 97.3

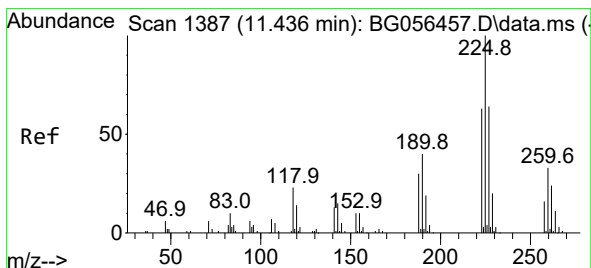
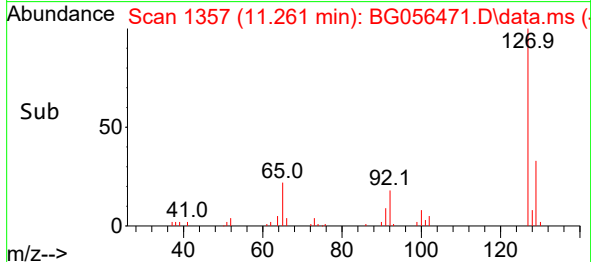
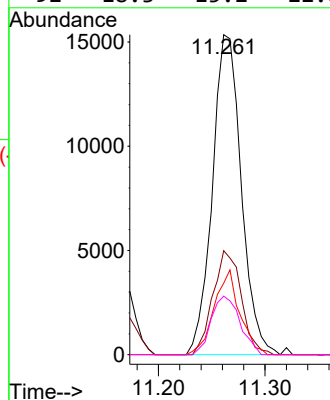
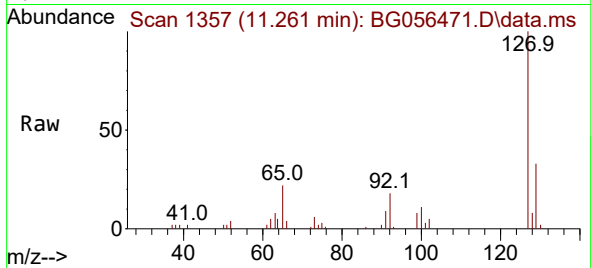




#33
4-Chloroaniline
Concen: 8.929 ng
RT: 11.261 min Scan# 1357
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

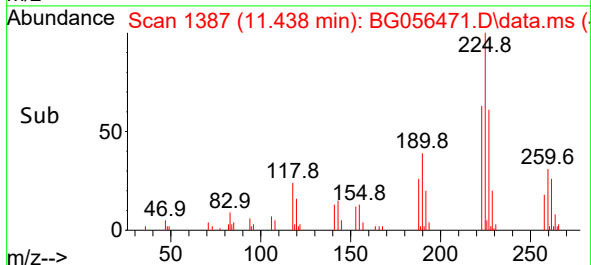
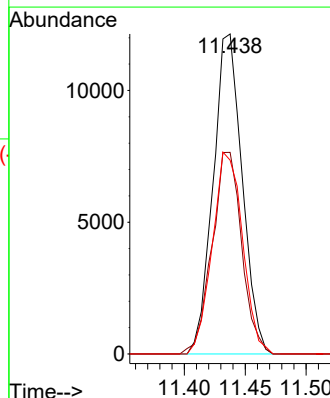
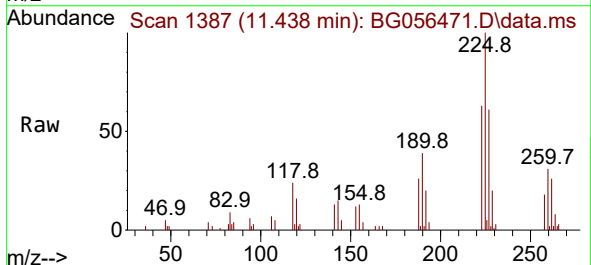
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

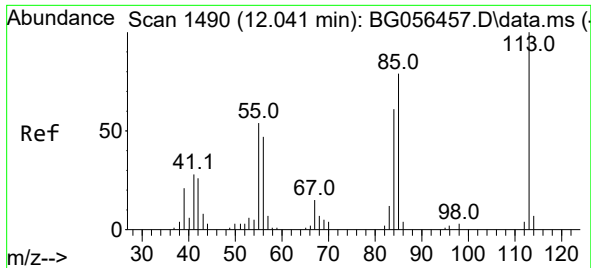
Tgt Ion:	127	Resp:	28928
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.0	37.6
65	22.3	18.5	27.7
92	18.3	15.2	22.8



#34
Hexachlorobutadiene
Concen: 10.097 ng
RT: 11.438 min Scan# 1387
Delta R.T. 0.001 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:	225	Resp:	20108
Ion	Ratio	Lower	Upper
225	100		
223	60.0	50.6	75.8
227	57.6	53.7	80.5

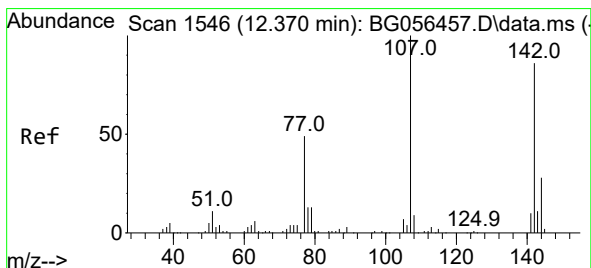
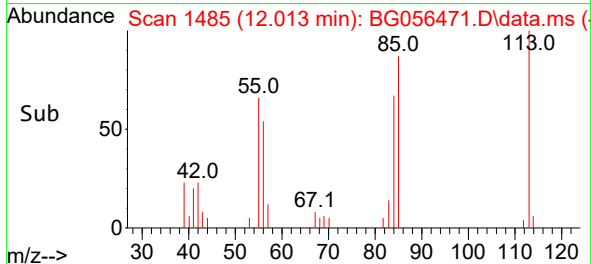
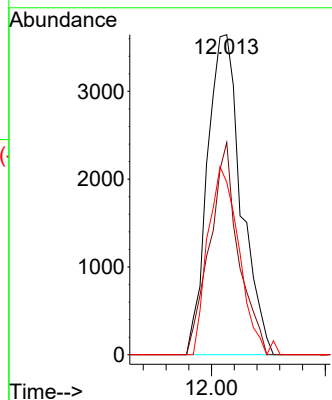
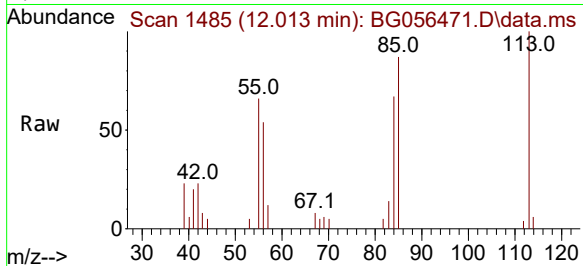




#35
Caprolactam
Concen: 8.750 ng
RT: 12.013 min Scan# 1490
Delta R.T. -0.028 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

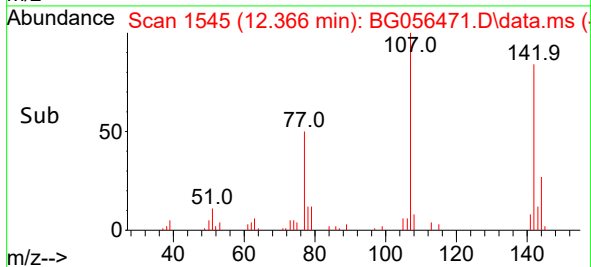
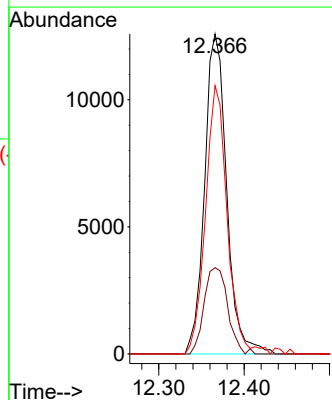
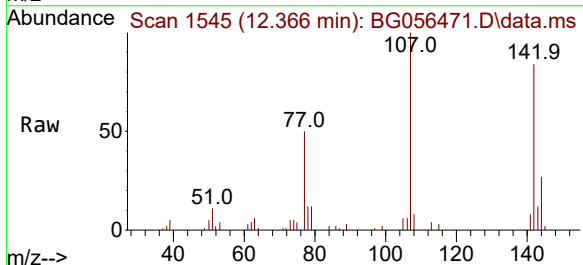
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

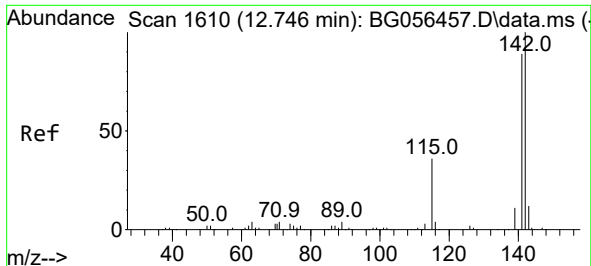
Tgt Ion:113 Resp: 7534
Ion Ratio Lower Upper
113 100
55 66.3 33.7 73.7
56 53.9 27.1 67.1



#36
4-Chloro-3-methylphenol
Concen: 9.180 ng
RT: 12.366 min Scan# 1545
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:107 Resp: 22633
Ion Ratio Lower Upper
107 100
144 26.9 22.3 33.5
142 83.8 68.9 103.3





#37

2-Methylnaphthalene

Concen: 9.030 ng

RT: 12.748 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG056471.D

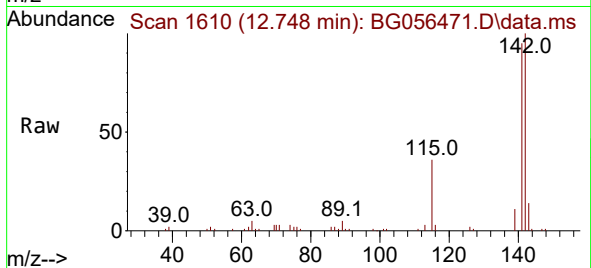
Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022



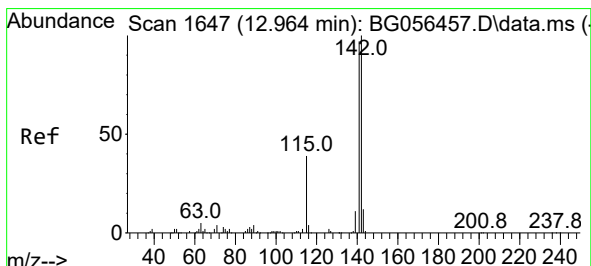
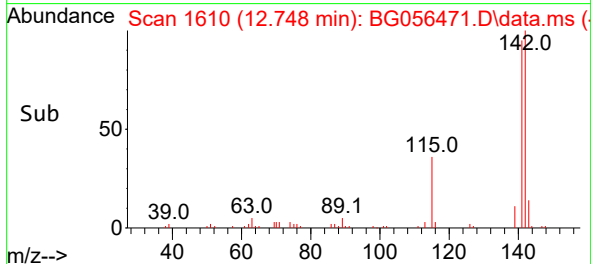
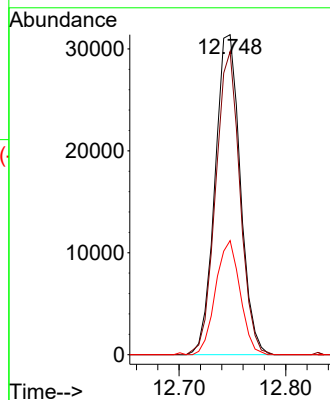
Tgt Ion:142 Resp: 51669

Ion Ratio Lower Upper

142 100

141 94.7 71.4 107.0

115 35.6 28.4 42.6



#38

1-Methylnaphthalene

Concen: 9.279 ng

RT: 12.965 min Scan# 1647

Delta R.T. 0.001 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

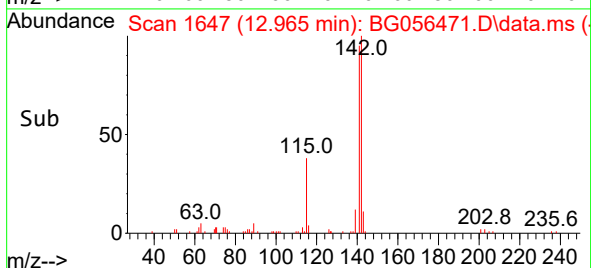
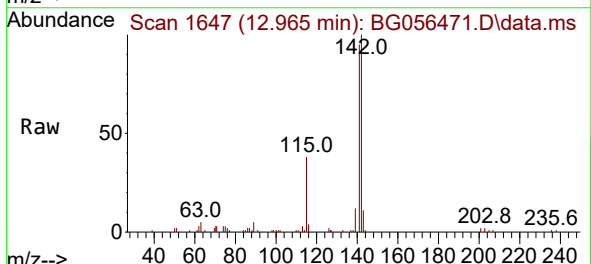
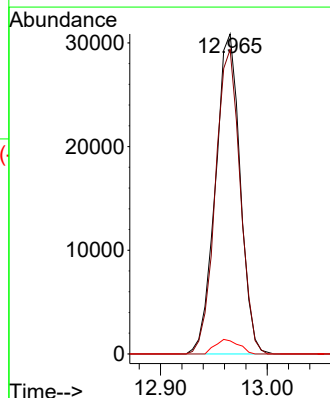
Tgt Ion:142 Resp: 49587

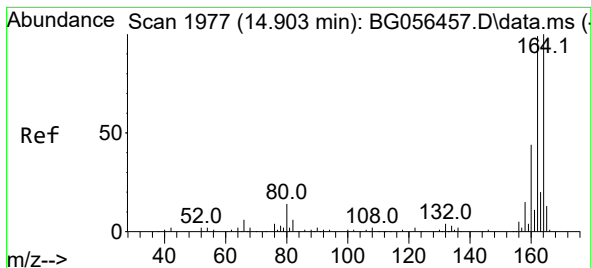
Ion Ratio Lower Upper

142 100

141 95.2 77.7 116.5

116 4.1 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.898 min Scan# 1976

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

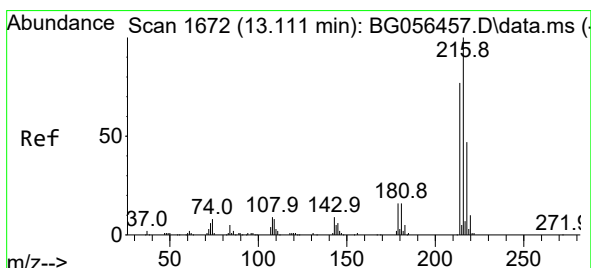
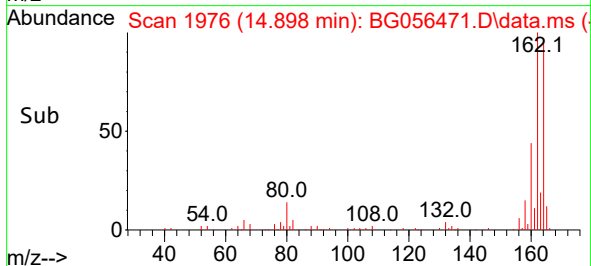
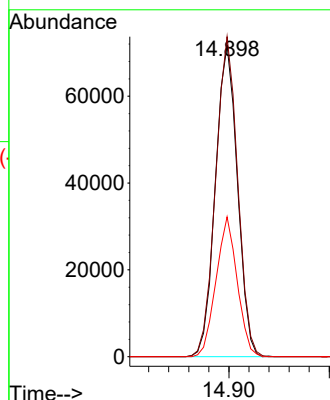
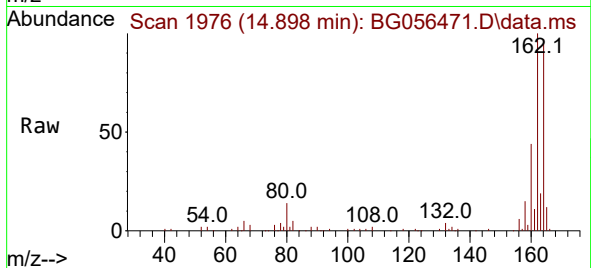
Tgt Ion:164 Resp: 109085

Ion Ratio Lower Upper

164 100

162 102.7 79.6 119.4

160 44.9 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.751 ng

RT: 13.106 min Scan# 1671

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Tgt Ion:216 Resp: 38860

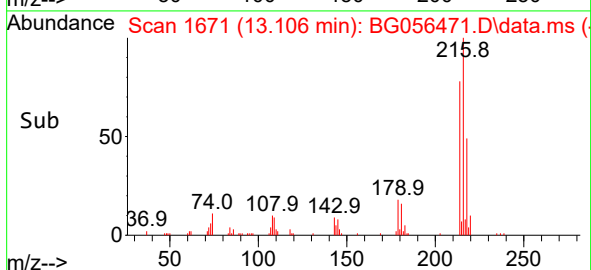
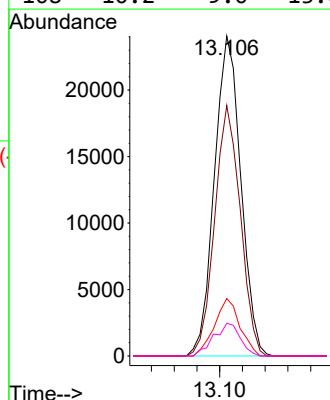
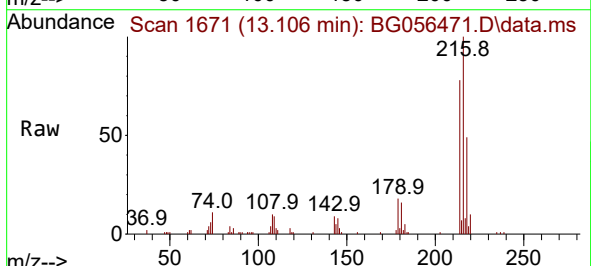
Ion Ratio Lower Upper

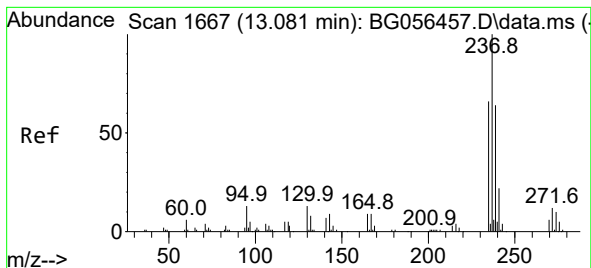
216 100

214 75.8 63.0 94.6

179 17.2 14.1 21.1

108 10.2 9.0 13.6





#41

Hexachlorocyclopentadiene

Concen: 11.470 ng

RT: 13.083 min Scan# 1

Delta R.T. 0.002 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

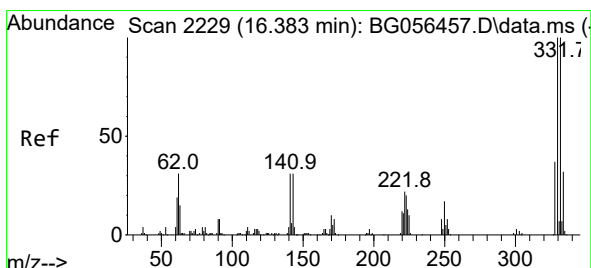
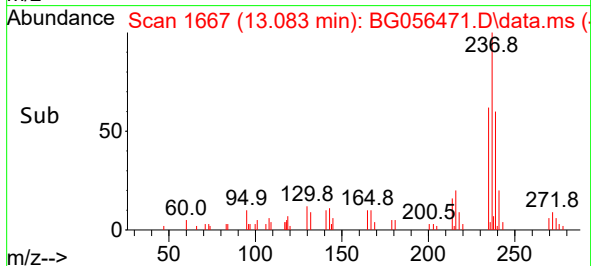
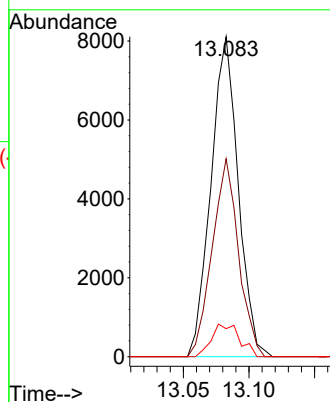
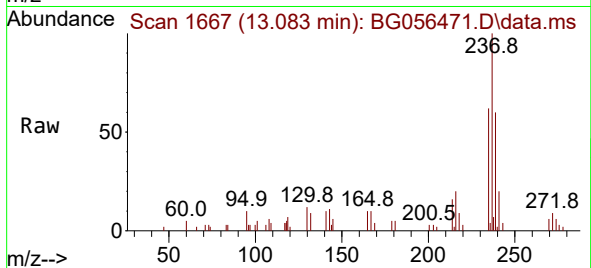
Tgt Ion:237 Resp: 11704

Ion Ratio Lower Upper

237 100

235 61.8 45.6 85.6

272 8.8 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 105.665 ng

RT: 16.379 min Scan# 2228

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

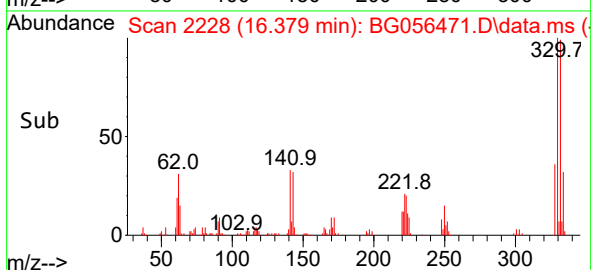
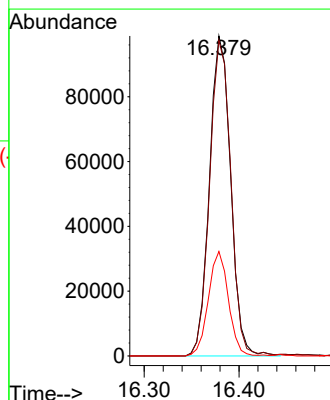
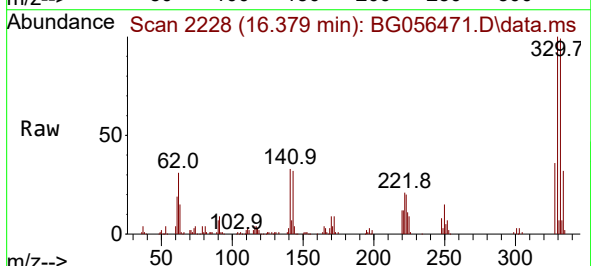
Tgt Ion:330 Resp: 153237

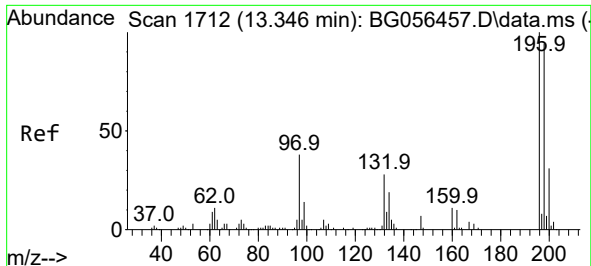
Ion Ratio Lower Upper

330 100

332 98.3 79.0 118.6

141 30.9 24.2 36.4





#43

2,4,6-Trichlorophenol

Concen: 8.807 ng

RT: 13.341 min Scan# 1711

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

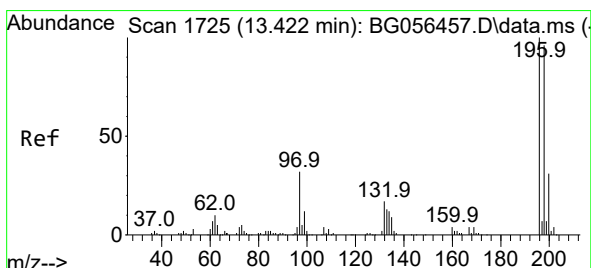
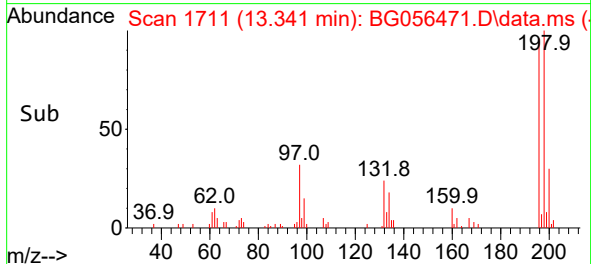
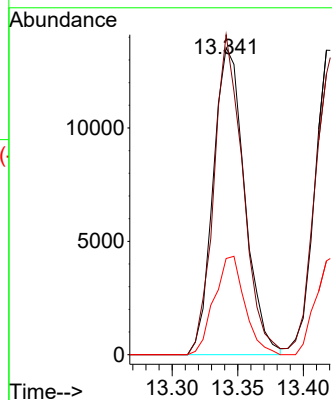
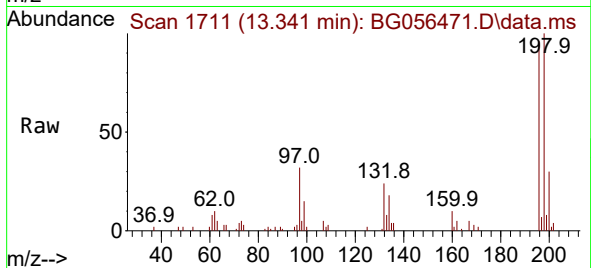
Tgt Ion:196 Resp: 22618

Ion Ratio Lower Upper

196 100

198 104.2 75.4 113.0

200 31.3 25.0 37.6



#44

2,4,5-Trichlorophenol

Concen: 8.421 ng

RT: 13.418 min Scan# 1724

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Tgt Ion:196 Resp: 25320

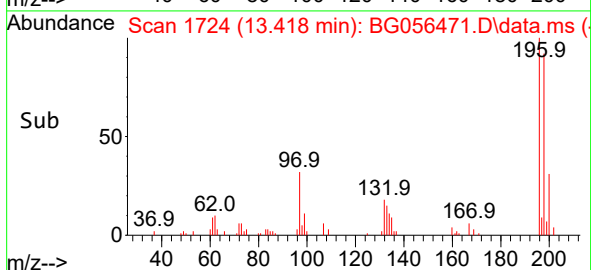
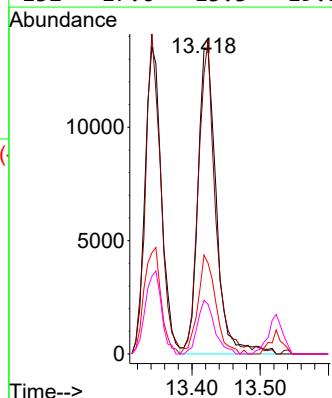
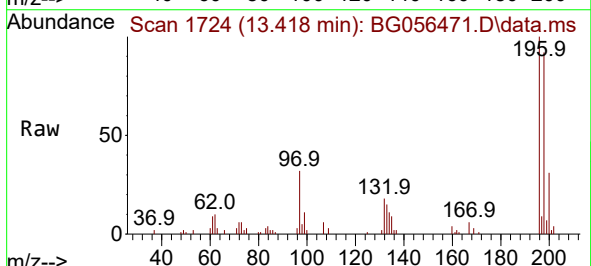
Ion Ratio Lower Upper

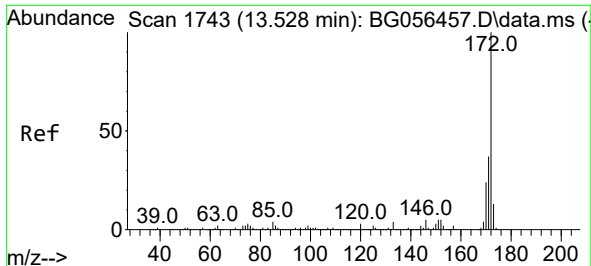
196 100

198 92.2 76.9 115.3

97 32.5 25.8 38.6

132 17.6 13.3 19.9

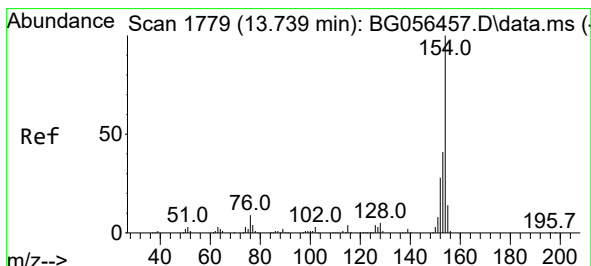
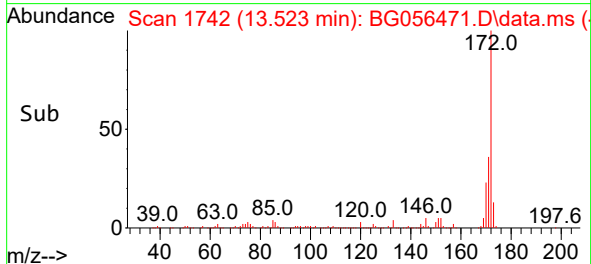
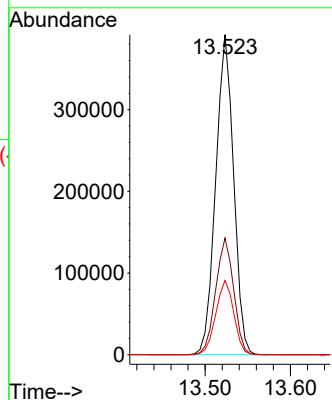
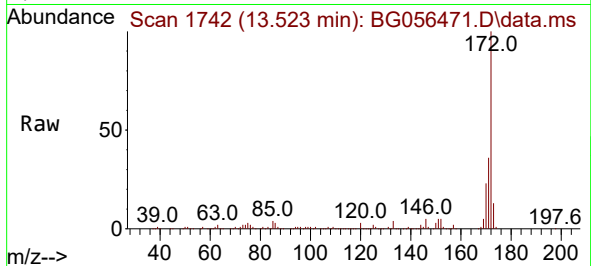




#45
2-Fluorobiphenyl
Concen: 72.529 ng
RT: 13.523 min Scan# 1743
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

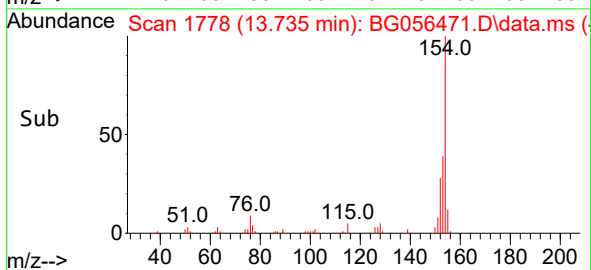
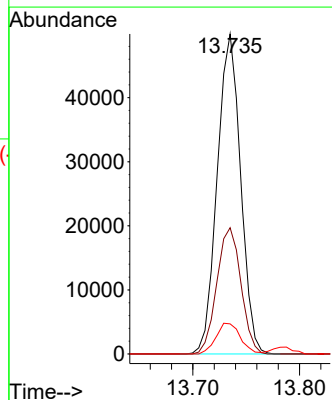
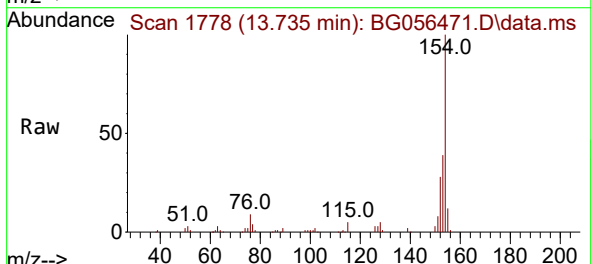
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

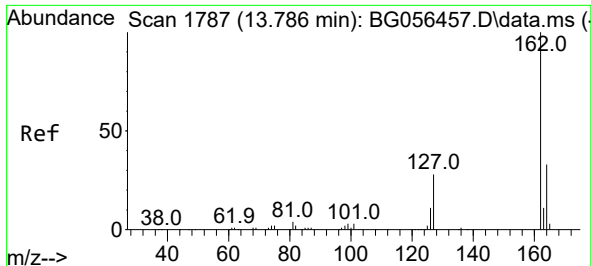
Tgt Ion:172 Resp: 570667
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 23.2 19.2 28.8



#46
1,1'-Biphenyl
Concen: 9.585 ng
RT: 13.735 min Scan# 1778
Delta R.T. -0.004 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:154 Resp: 75842
Ion Ratio Lower Upper
154 100
153 39.5 21.5 61.5
76 9.4 0.0 28.8

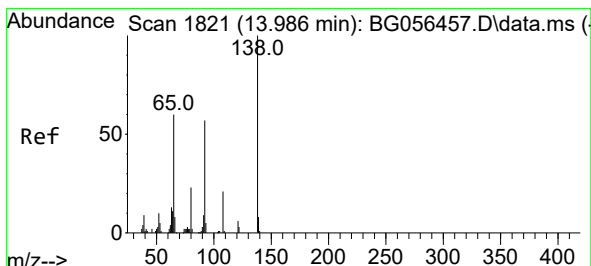
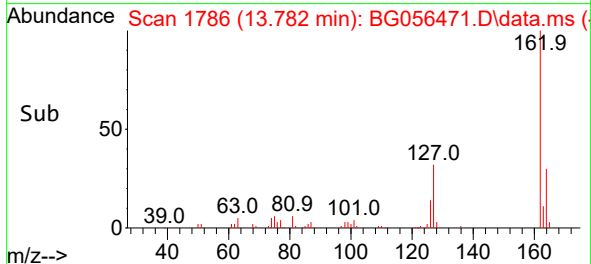
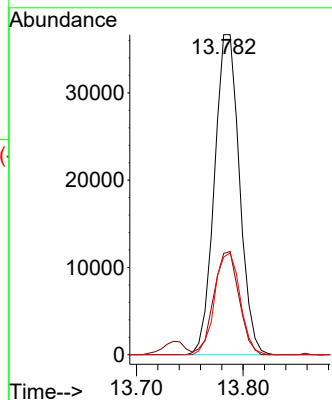
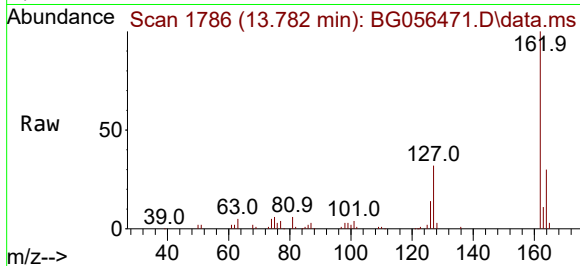




#47
2-Chloronaphthalene
Concen: 9.652 ng
RT: 13.782 min Scan# 1786
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

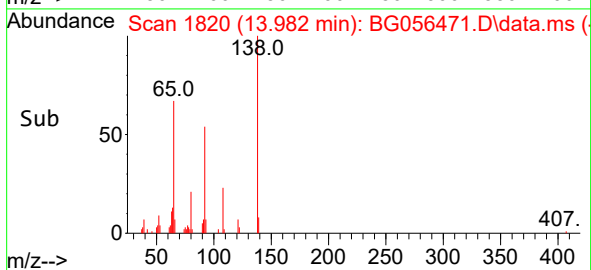
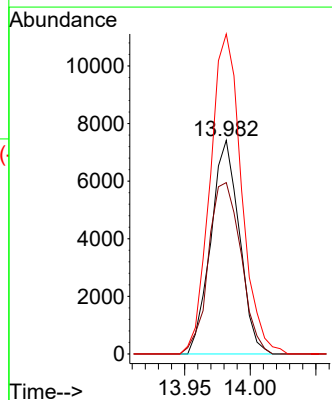
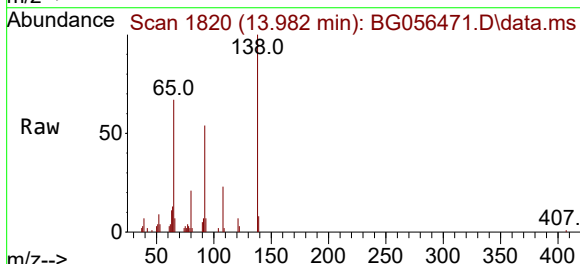
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

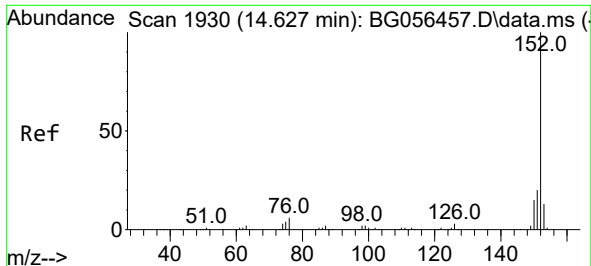
Tgt Ion:162 Resp: 59690
Ion Ratio Lower Upper
162 100
127 31.6 25.2 37.8
164 30.5 26.2 39.2



#48
2-Nitroaniline
Concen: 8.772 ng
RT: 13.982 min Scan# 1820
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion: 65 Resp: 11215
Ion Ratio Lower Upper
65 100
92 80.2 75.8 113.6
138 149.8 133.2 199.8

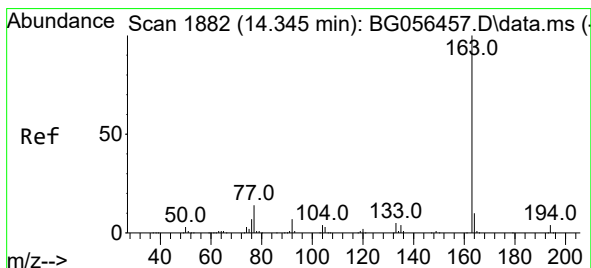
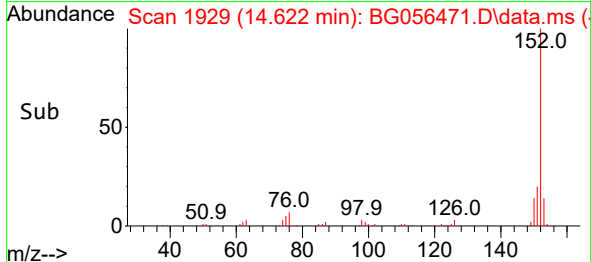
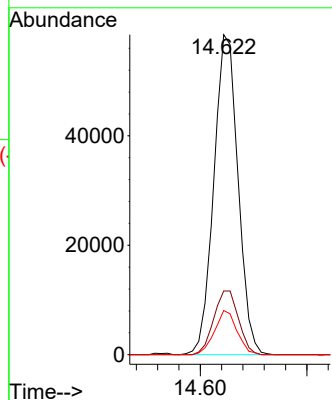
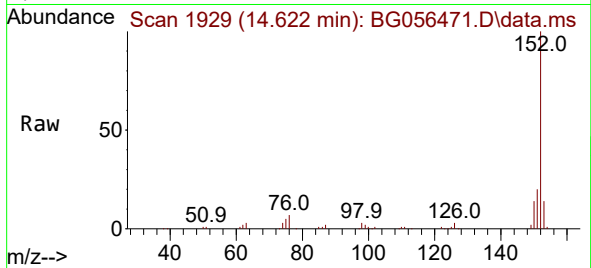




#49
Acenaphthylene
Concen: 9.149 ng
RT: 14.622 min Scan# 1930
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

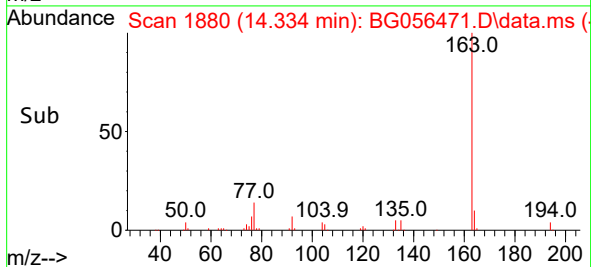
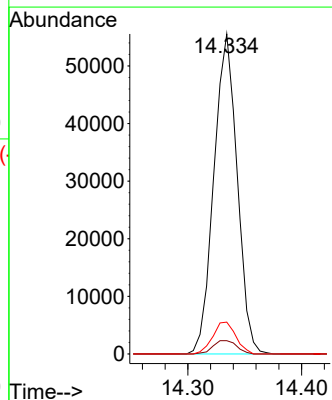
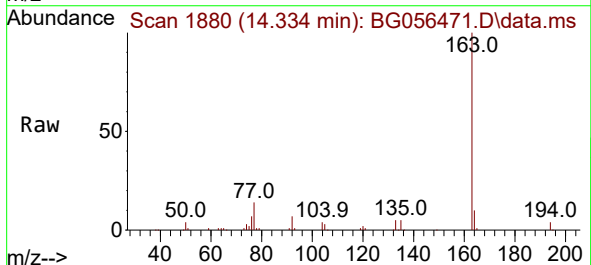
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

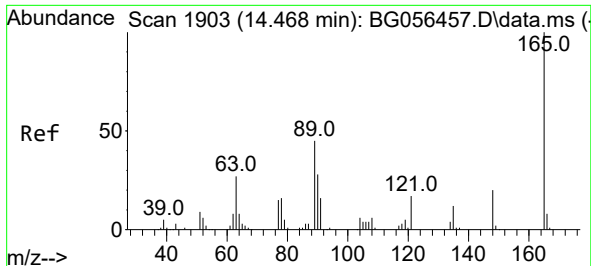
Tgt Ion:152 Resp: 92060
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.8 10.5 15.7



#50
Dimethylphthalate
Concen: 8.965 ng
RT: 14.334 min Scan# 1880
Delta R.T. -0.010 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:163 Resp: 79122
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 10.0 8.1 12.1

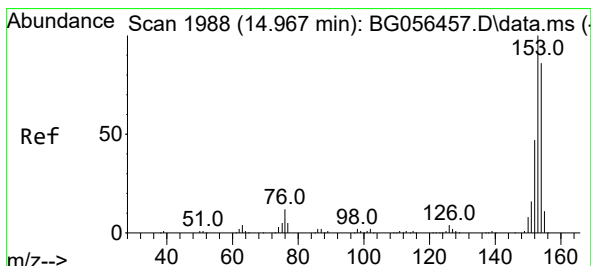
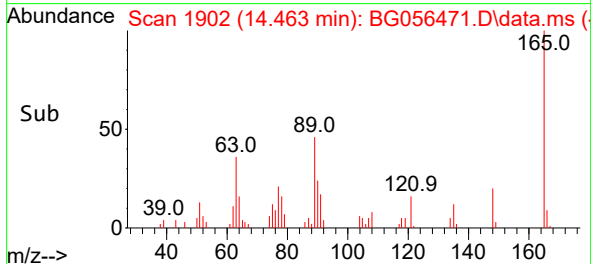
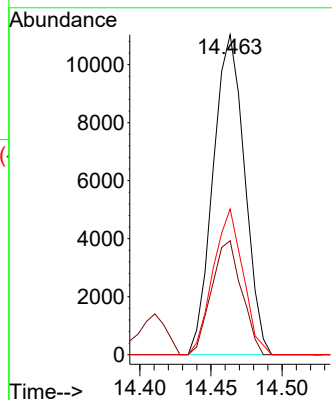
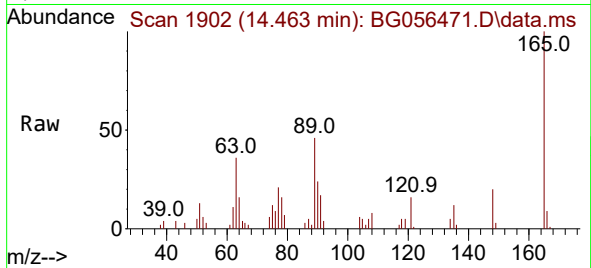




#51
2,6-Dinitrotoluene
Concen: 8.820 ng
RT: 14.463 min Scan# 1903
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

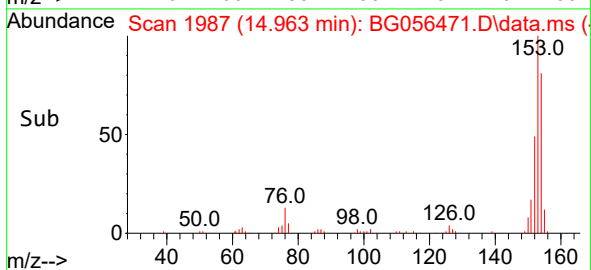
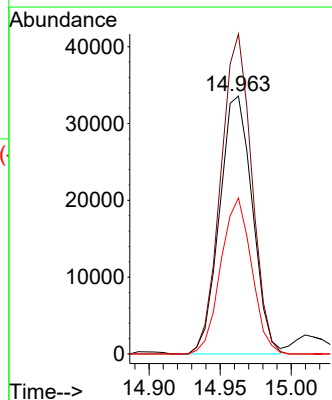
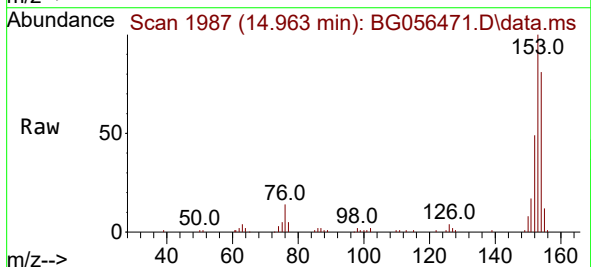
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

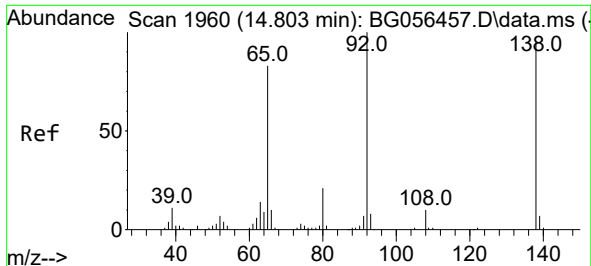
Tgt Ion:165 Resp: 16975
Ion Ratio Lower Upper
165 100
63 35.6 26.9 40.3
89 45.6 35.6 53.4



#52
Acenaphthene
Concen: 9.049 ng
RT: 14.963 min Scan# 1987
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

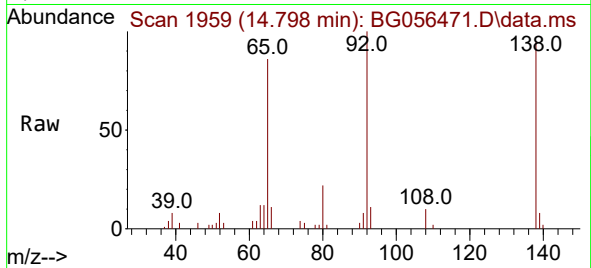
Tgt Ion:154 Resp: 53992
Ion Ratio Lower Upper
154 100
153 124.1 93.4 140.0
152 60.5 43.4 65.2



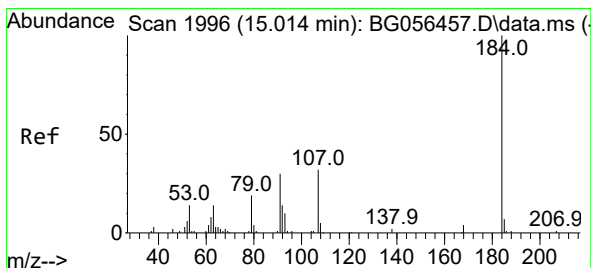
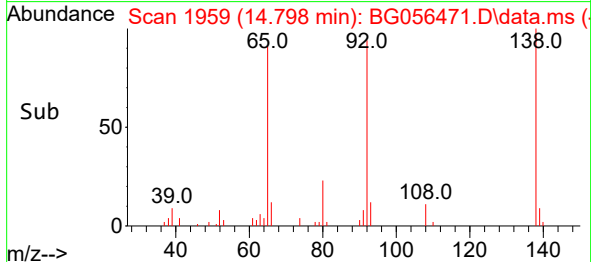
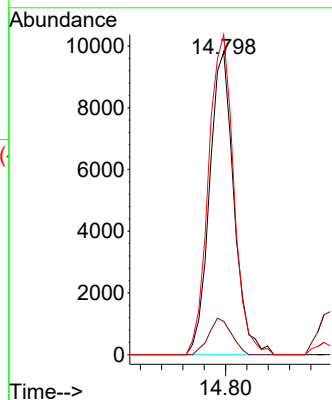


#53
3-Nitroaniline
Concen: 8.350 ng
RT: 14.798 min Scan# 1959
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

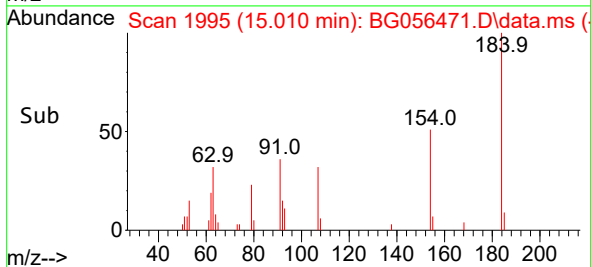
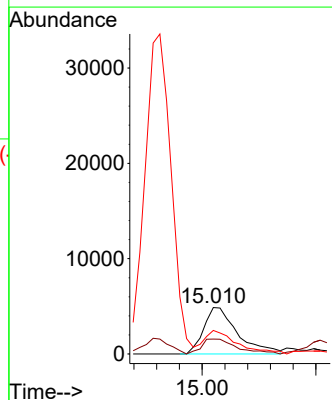
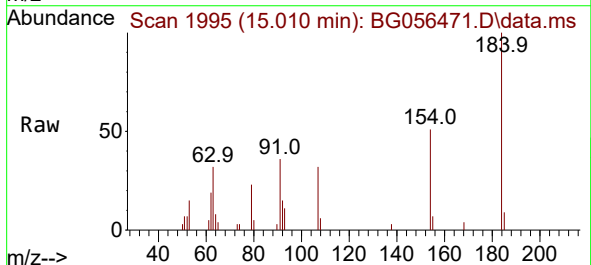


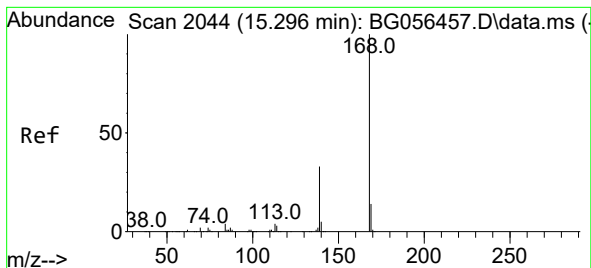
Tgt Ion:138 Resp: 15579
Ion Ratio Lower Upper
138 100
108 11.0 8.0 12.0
92 105.6 84.1 126.1



#54
2,4-Dinitrophenol
Concen: 8.330 ng
RT: 15.010 min Scan# 1995
Delta R.T. -0.004 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:184 Resp: 10051
Ion Ratio Lower Upper
184 100
63 32.1 25.1 37.7
154 50.7 44.8 67.2





#55

Dibenzofuran

Concen: 9.232 ng

RT: 15.292 min Scan# 2044

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

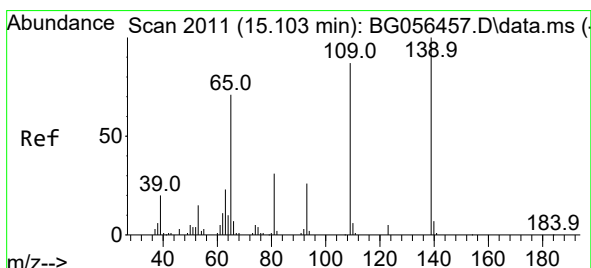
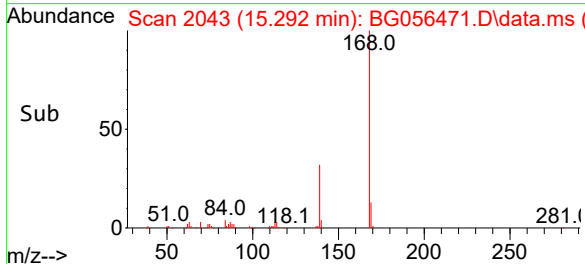
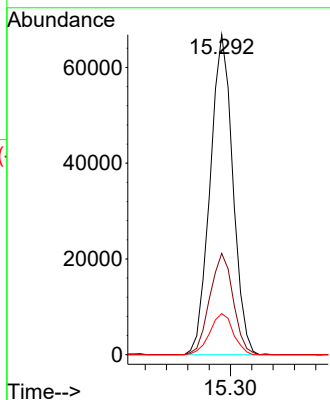
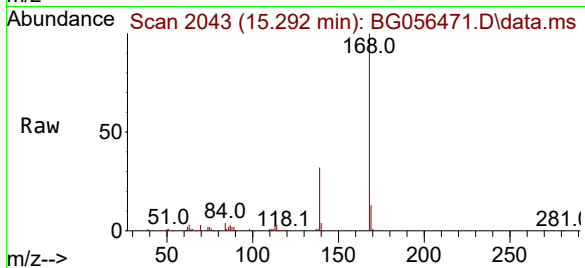
Tgt Ion:168 Resp: 98786

Ion Ratio Lower Upper

168 100

139 31.7 26.2 39.2

169 12.8 11.0 16.6



#56

4-Nitrophenol

Concen: 7.456 ng

RT: 15.104 min Scan# 2011

Delta R.T. 0.001 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

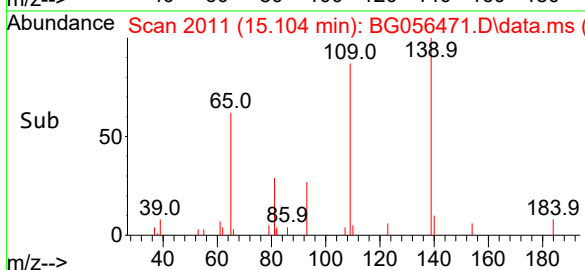
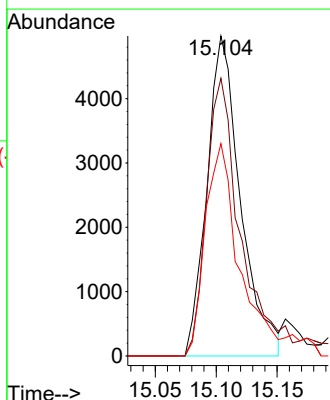
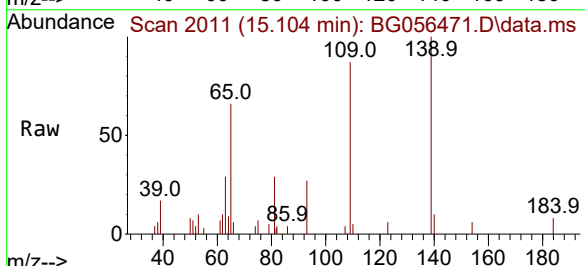
Tgt Ion:139 Resp: 9506

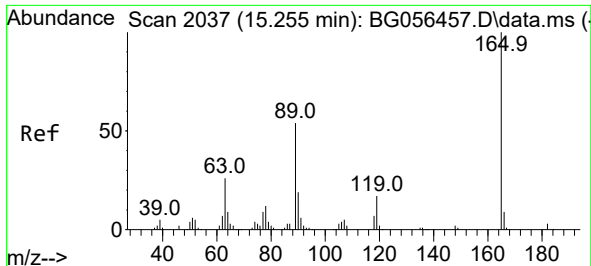
Ion Ratio Lower Upper

139 100

109 86.8 67.5 107.5

65 66.4 50.7 90.7

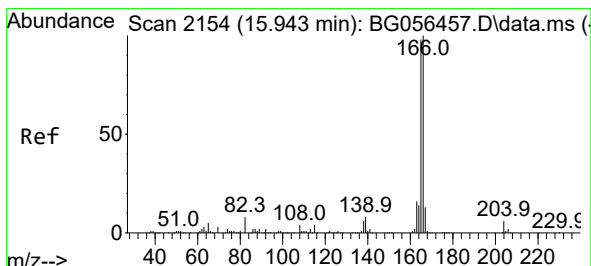
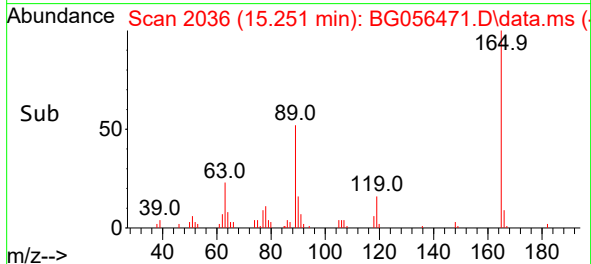
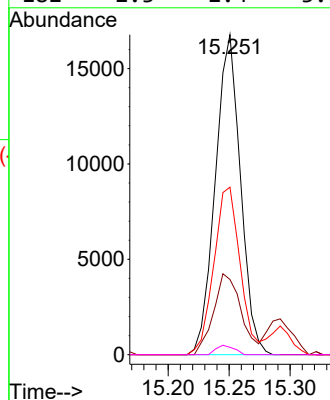
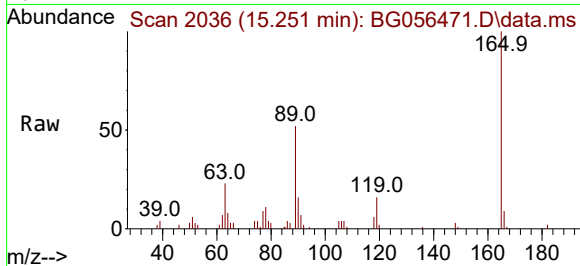




#57
2,4-Dinitrotoluene
Concen: 8.901 ng
RT: 15.251 min Scan# 2036
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

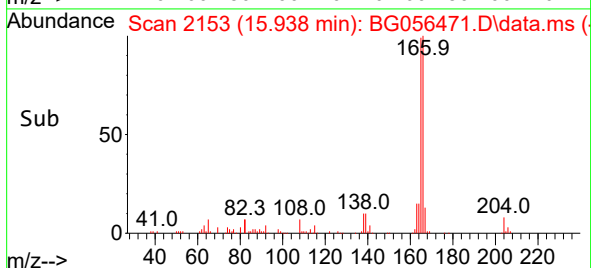
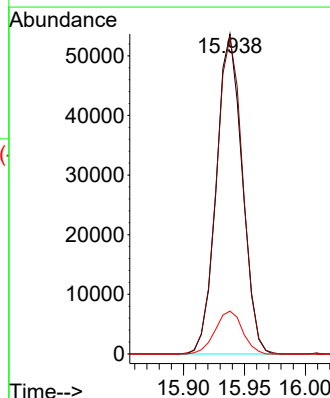
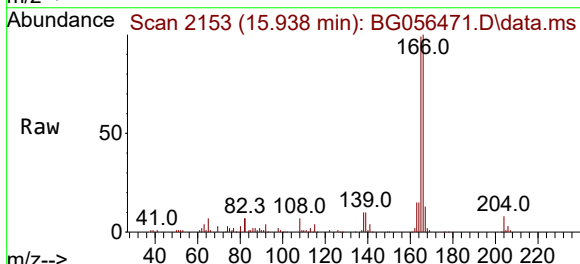
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

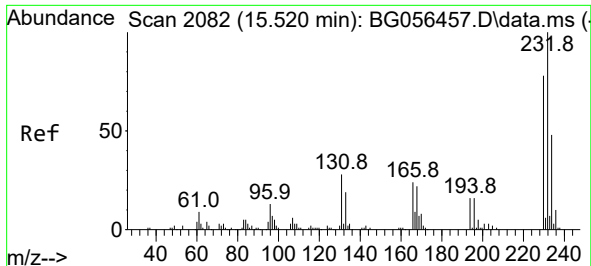
Tgt Ion:	165	Resp:	24131
Ion Ratio	Lower	Upper	
165	100		
63	23.5	20.6	31.0
89	52.4	43.1	64.7
182	2.3	2.4	3.6



#58
Fluorene
Concen: 9.274 ng
RT: 15.938 min Scan# 2153
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:	166	Resp:	78965
Ion Ratio	Lower	Upper	
166	100		
165	98.9	78.8	118.2
167	13.4	10.6	15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.364 ng

RT: 15.521 min Scan# 2082

Delta R.T. 0.001 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:232 Resp: 22360

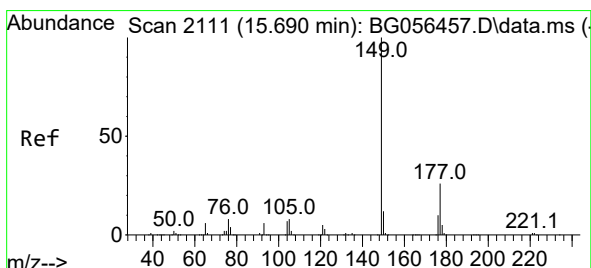
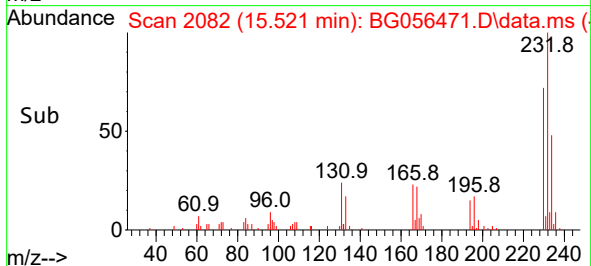
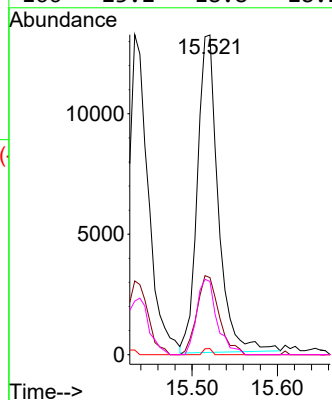
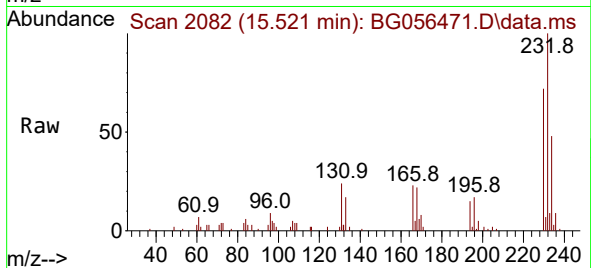
Ion Ratio Lower Upper

232 100

131 26.5 22.8 34.2

130 0.8 1.4 2.0#

166 23.2 18.8 28.2



#60

Diethylphthalate

Concen: 9.210 ng

RT: 15.685 min Scan# 2110

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

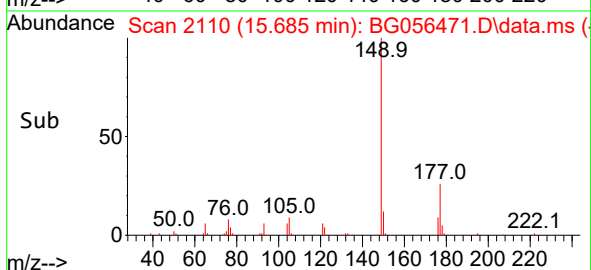
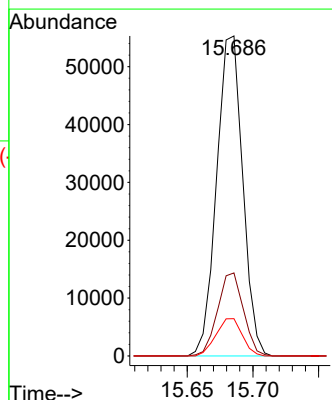
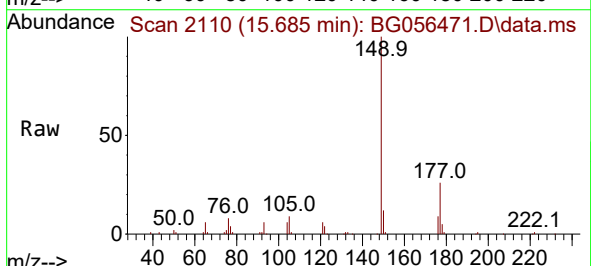
Tgt Ion:149 Resp: 76320

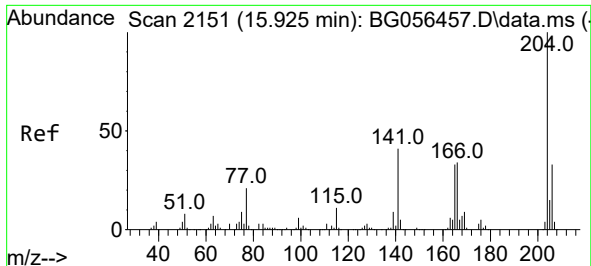
Ion Ratio Lower Upper

149 100

177 26.0 21.0 31.4

150 11.7 9.9 14.9

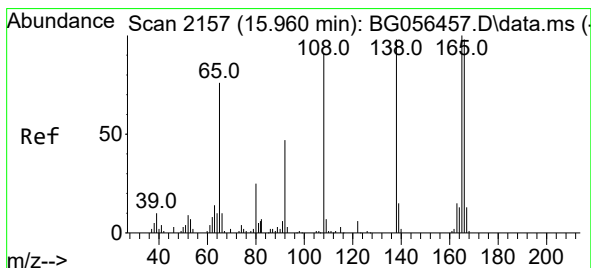
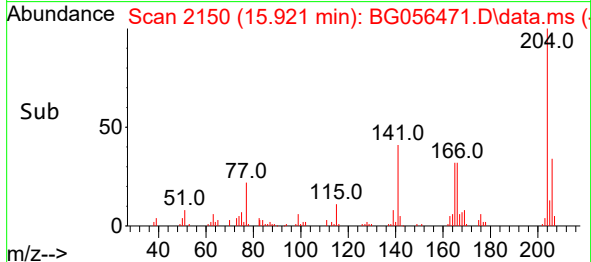
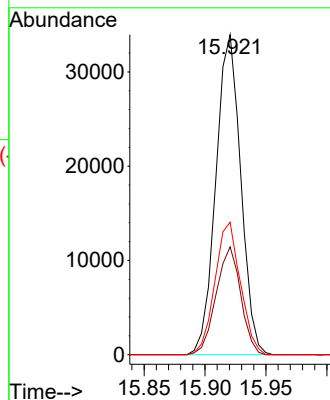
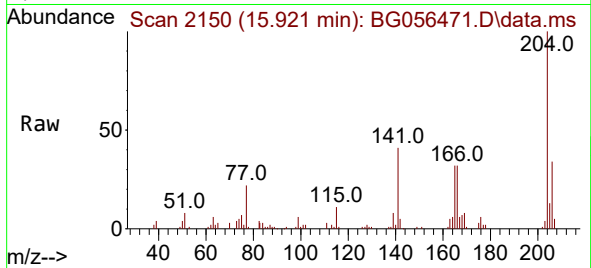




#61
4-Chlorophenyl-phenylether
Concen: 9.277 ng
RT: 15.921 min Scan# 2151
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

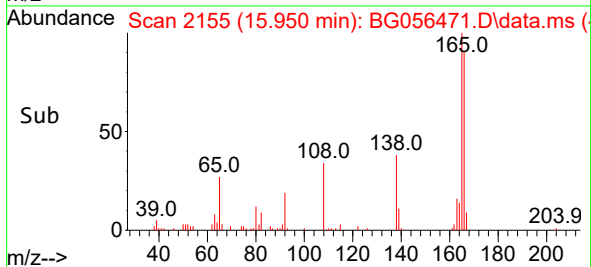
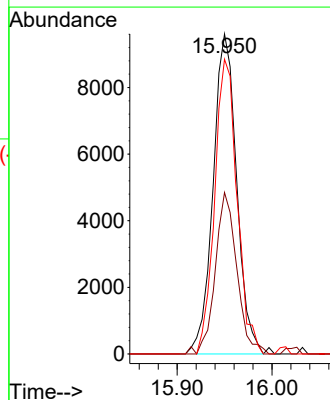
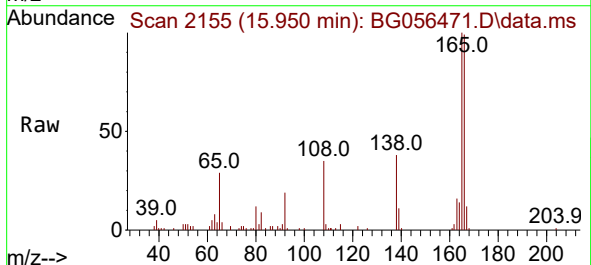
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

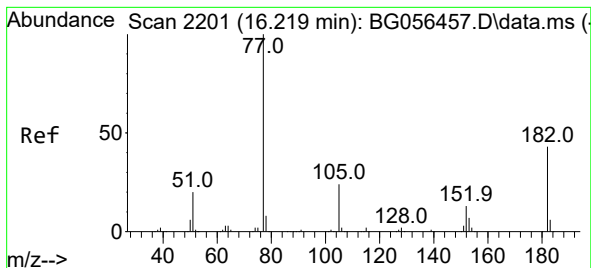
Tgt Ion:204 Resp: 48199
Ion Ratio Lower Upper
204 100
206 33.7 26.2 39.4
141 41.4 32.7 49.1



#62
4-Nitroaniline
Concen: 8.904 ng
RT: 15.950 min Scan# 2155
Delta R.T. -0.010 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:138 Resp: 16624
Ion Ratio Lower Upper
138 100
92 50.5 27.8 67.8
108 92.1 72.6 112.6





#63

Azobenzene

Concen: 9.344 ng

RT: 16.214 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG056471.D

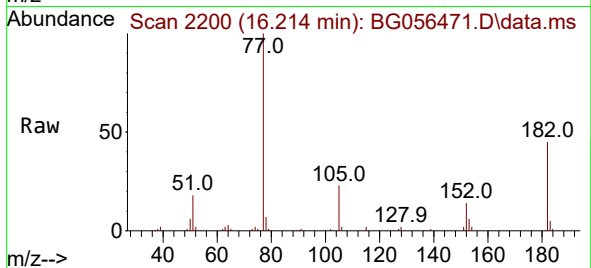
Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion: 77 Resp: 53279

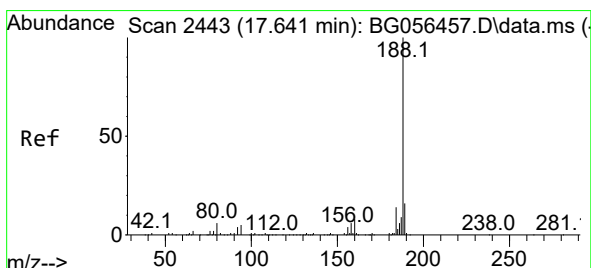
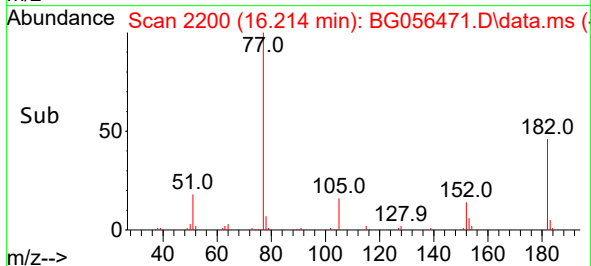
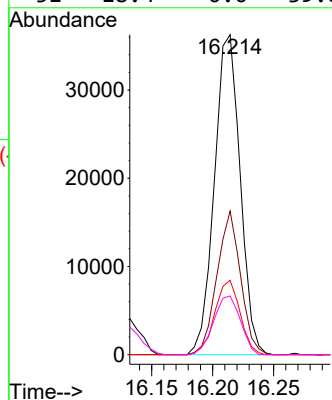
Ion Ratio Lower Upper

77 100

182 44.9 23.1 63.1

105 23.2 4.2 44.2

51 18.4 0.0 39.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.636 min Scan# 2442

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

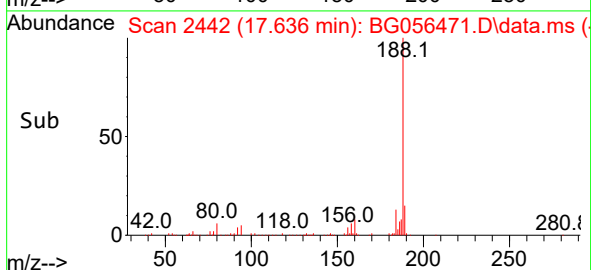
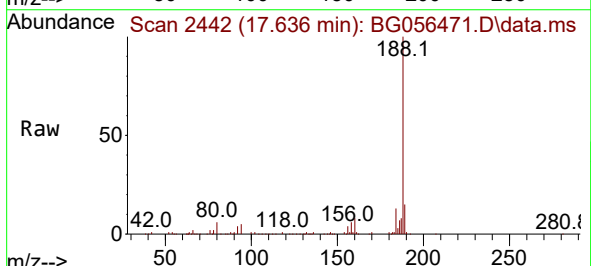
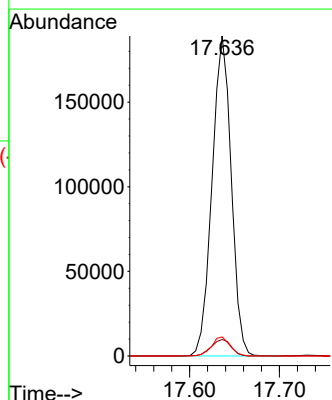
Tgt Ion:188 Resp: 279855

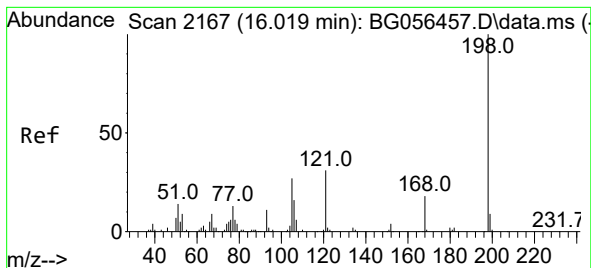
Ion Ratio Lower Upper

188 100

94 5.1 4.1 6.1

80 6.0 5.0 7.4

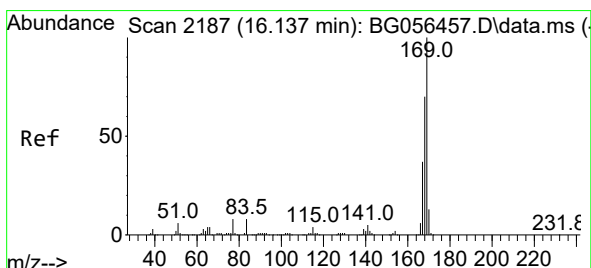
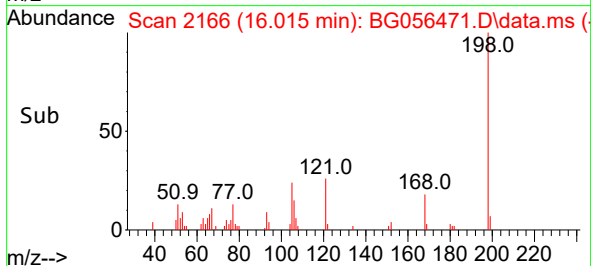
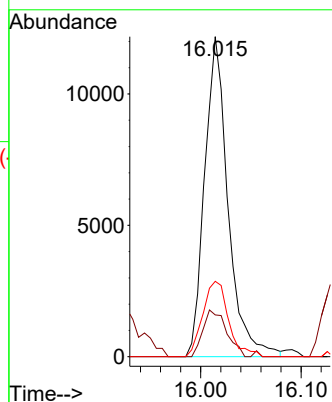
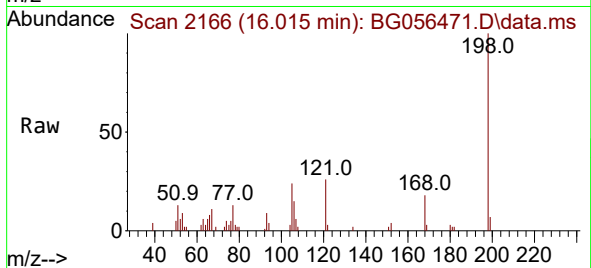




#65
4,6-Dinitro-2-methylphenol
Concen: 10.045 ng
RT: 16.015 min Scan# 2166
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

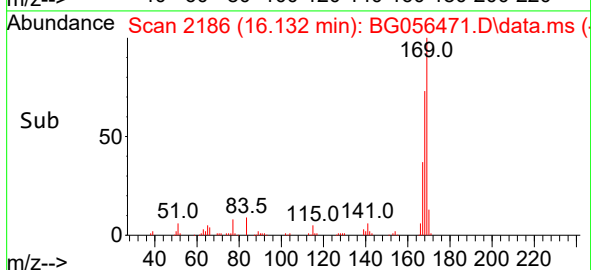
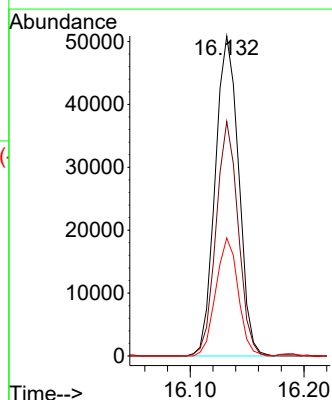
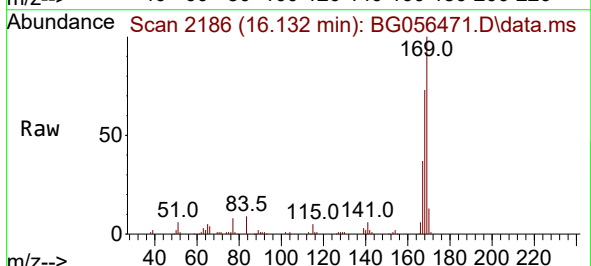
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

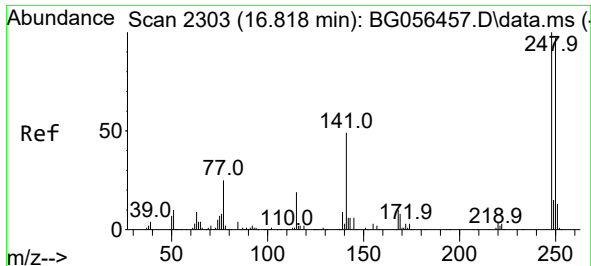
Tgt Ion:198 Resp: 19764
Ion Ratio Lower Upper
198 100
51 13.1 0.0 35.0
105 23.6 7.4 47.4



#66
n-Nitrosodiphenylamine
Concen: 9.181 ng
RT: 16.132 min Scan# 2186
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:169 Resp: 72747
Ion Ratio Lower Upper
169 100
168 73.3 55.8 83.6
167 36.8 29.8 44.8

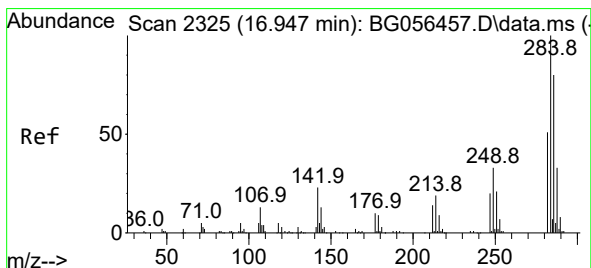
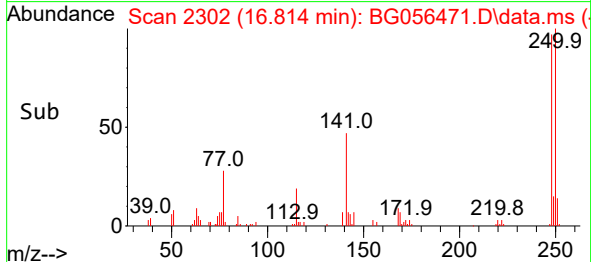
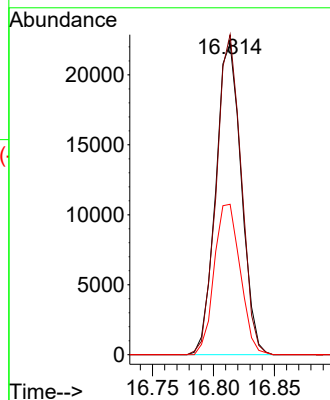
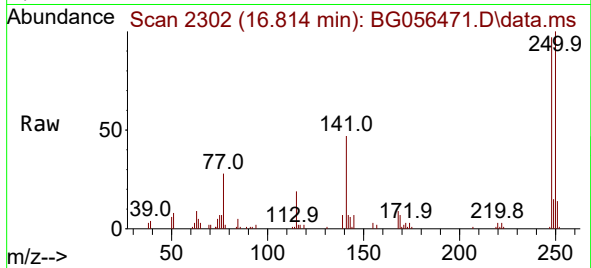




#67
4-Bromophenyl-phenylether
Concen: 9.041 ng
RT: 16.814 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

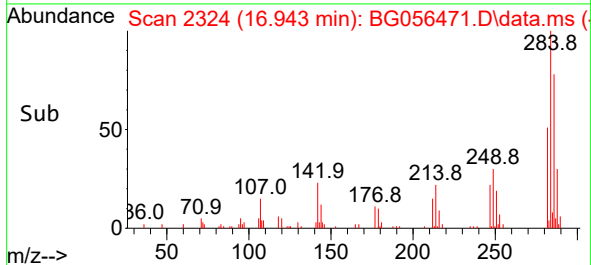
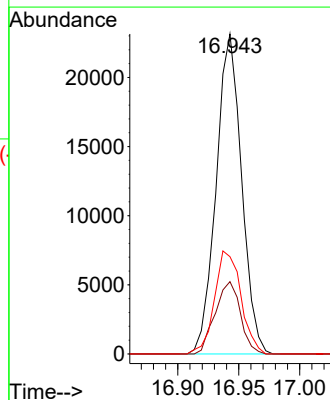
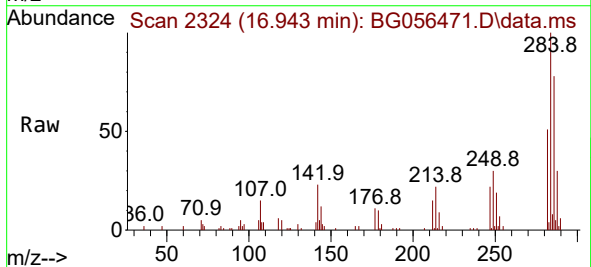
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

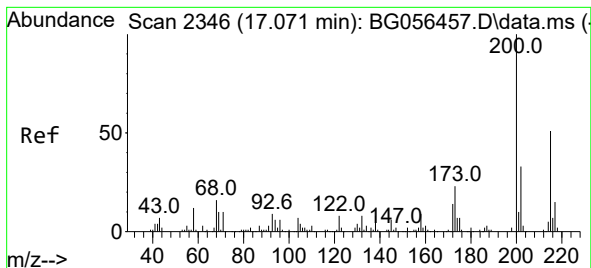
Tgt Ion:248 Resp: 32389
Ion Ratio Lower Upper
248 100
250 102.8 77.6 116.4
141 48.3 39.0 58.4



#68
Hexachlorobenzene
Concen: 9.580 ng
RT: 16.943 min Scan# 2324
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:284 Resp: 33614
Ion Ratio Lower Upper
284 100
142 22.6 18.0 27.0
249 32.3 26.7 40.1





#69

Atrazine

Concen: 10.165 ng

RT: 17.066 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

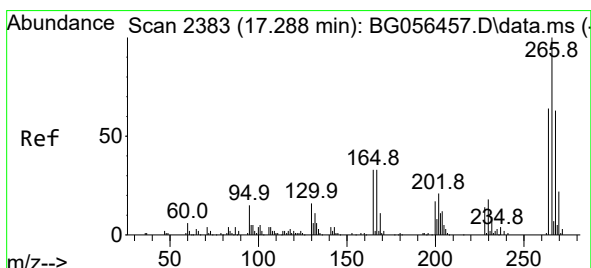
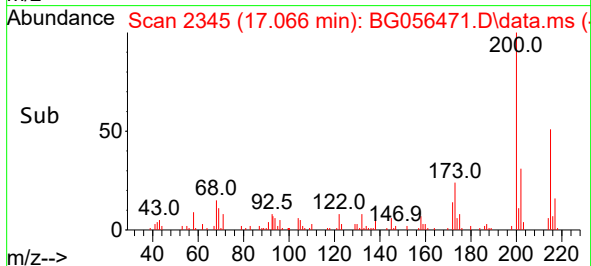
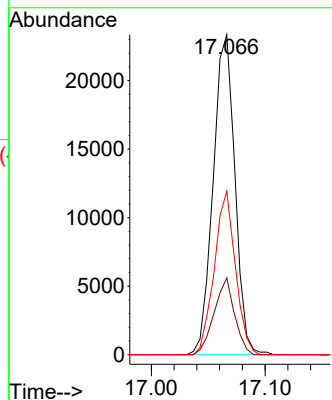
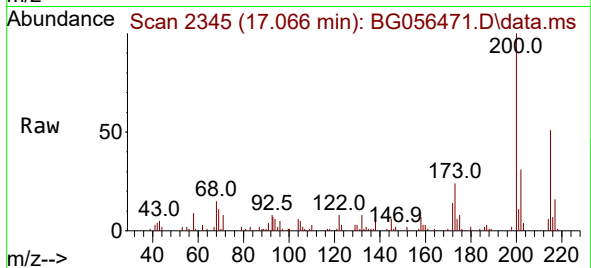
Tgt Ion:200 Resp: 31071

Ion Ratio Lower Upper

200 100

173 24.0 3.2 43.2

215 51.1 30.7 70.7



#70

Pentachlorophenol

Concen: 9.457 ng

RT: 17.290 min Scan# 2383

Delta R.T. 0.002 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

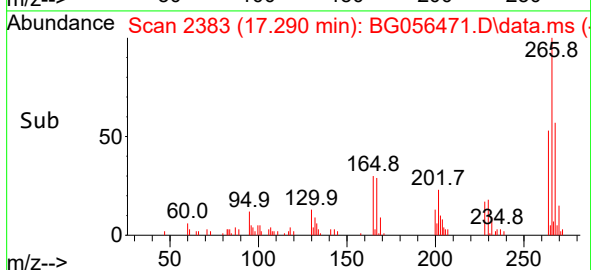
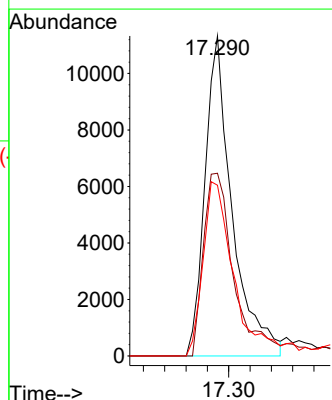
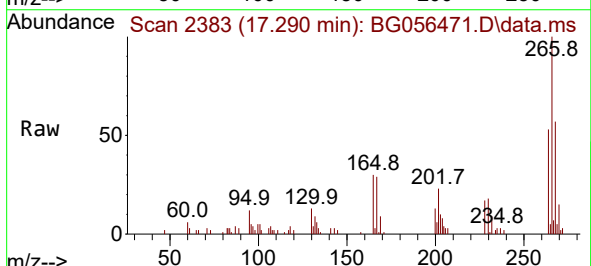
Tgt Ion:266 Resp: 20080

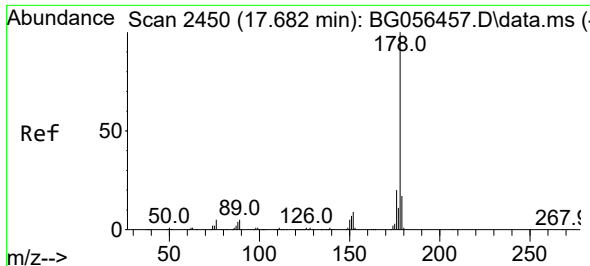
Ion Ratio Lower Upper

266 100

268 62.1 50.2 75.4

264 53.3 51.4 77.0

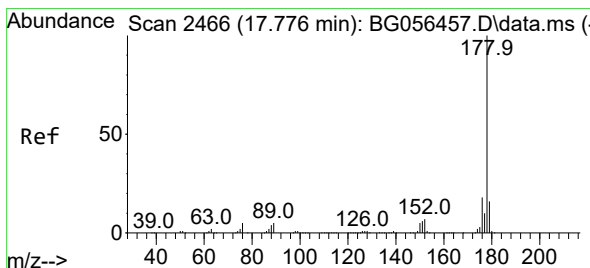
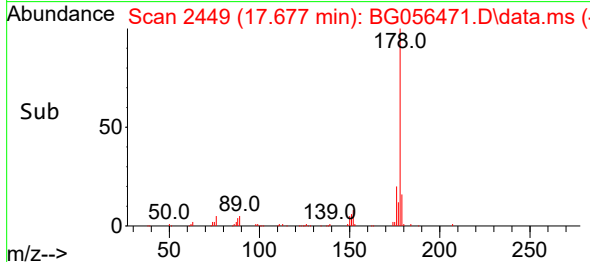
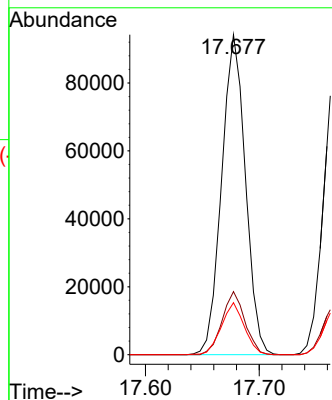
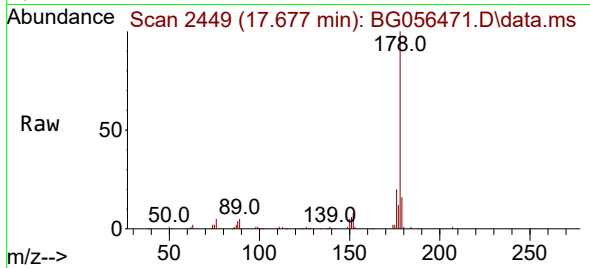




#71
Phenanthrene
Concen: 9.342 ng
RT: 17.677 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

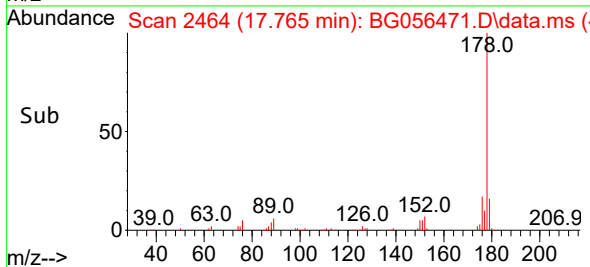
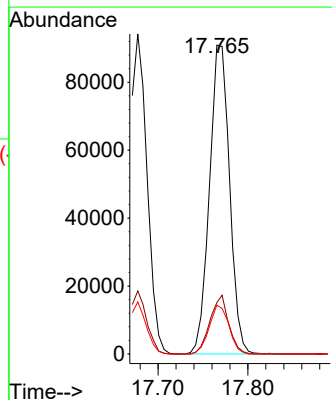
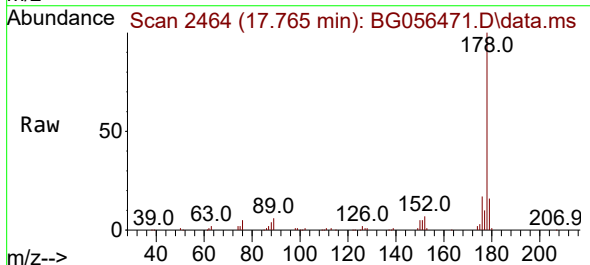
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

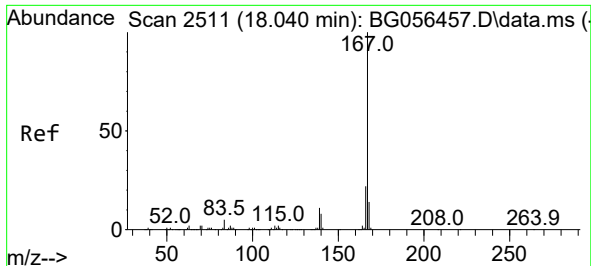
Tgt Ion:178 Resp: 136830
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 16.3 13.3 19.9



#72
Anthracene
Concen: 9.410 ng
RT: 17.765 min Scan# 2464
Delta R.T. -0.010 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:178 Resp: 141491
Ion Ratio Lower Upper
178 100
176 16.6 14.5 21.7
179 15.8 12.5 18.7

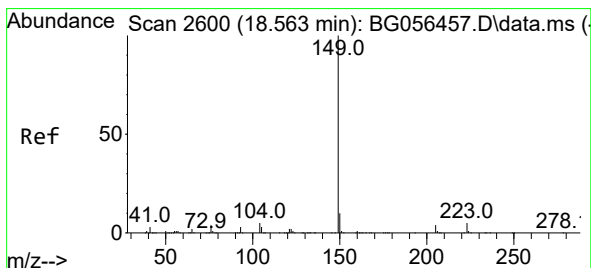
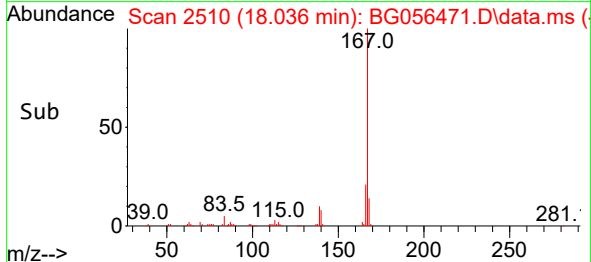
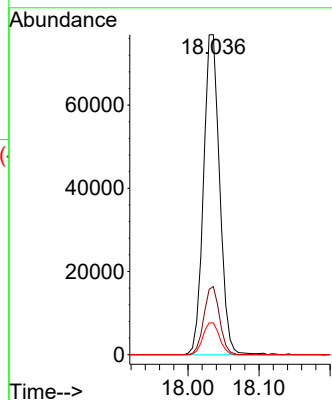
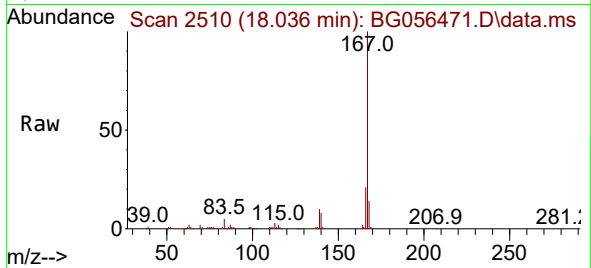




#73
Carbazole
Concen: 9.488 ng
RT: 18.036 min Scan# 2511
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

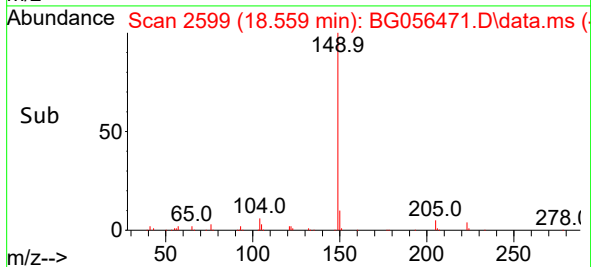
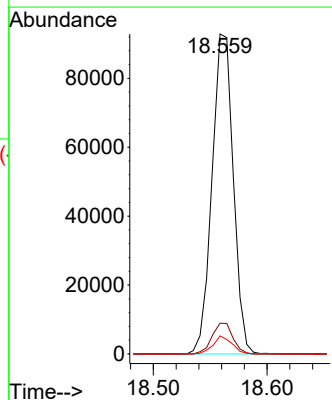
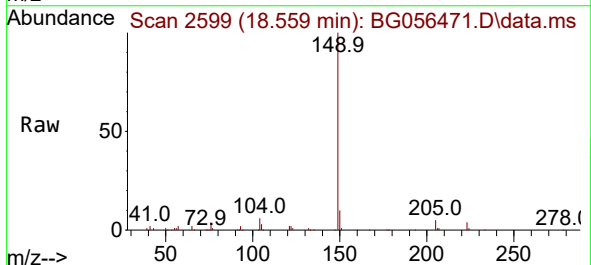
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

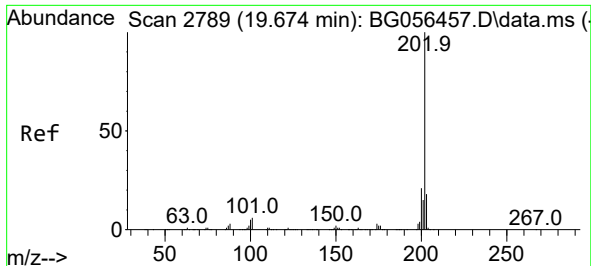
Tgt Ion:167 Resp: 121499
Ion Ratio Lower Upper
167 100
166 21.3 17.8 26.6
139 10.0 8.9 13.3



#74
Di-n-butylphthalate
Concen: 8.966 ng
RT: 18.559 min Scan# 2599
Delta R.T. -0.004 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:149 Resp: 120554
Ion Ratio Lower Upper
149 100
150 9.6 7.8 11.6
104 5.6 4.0 6.0

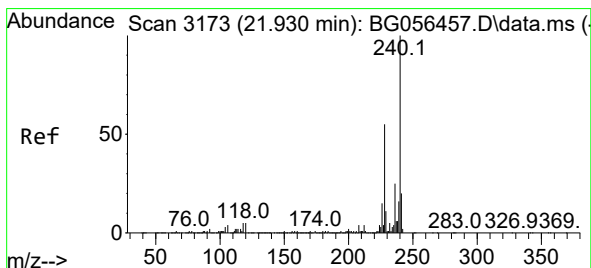
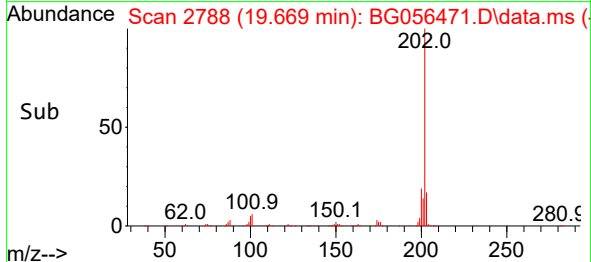
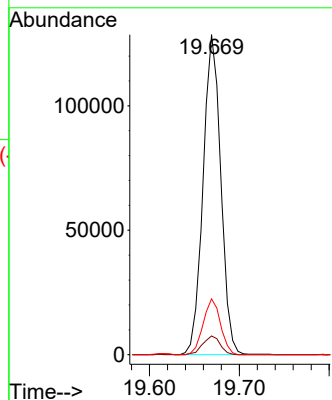
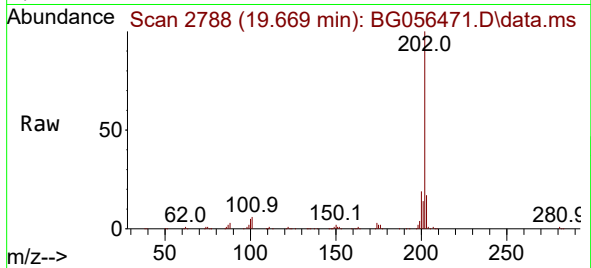




#75
Fluoranthene
Concen: 9.539 ng
RT: 19.669 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

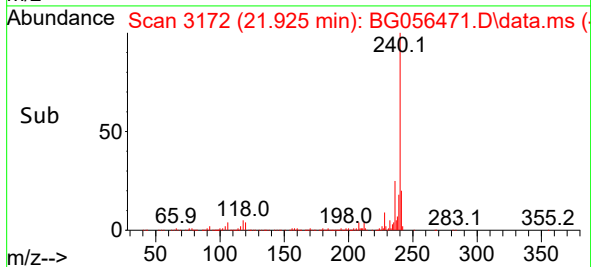
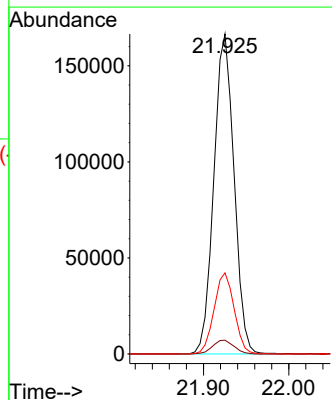
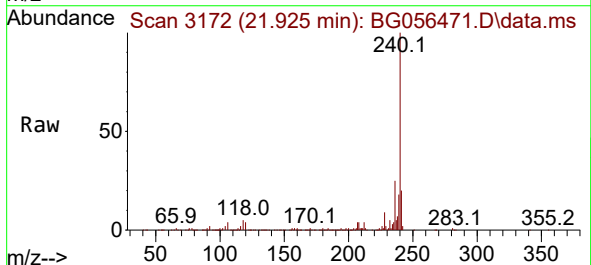
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

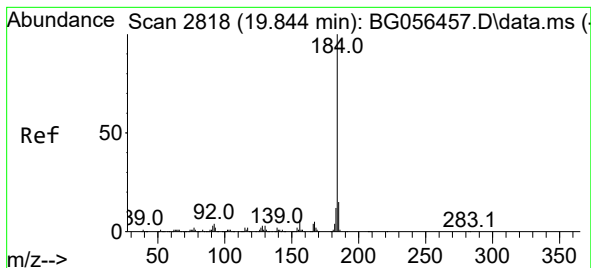
Tgt Ion:202 Resp: 176338
Ion Ratio Lower Upper
202 100
101 5.8 0.0 25.6
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. -0.005 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:240 Resp: 273909
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 25.4 20.2 30.2





#77

Benzidine

Concen: 12.853 ng

RT: 19.839 min Scan# 2817

Delta R.T. -0.005 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

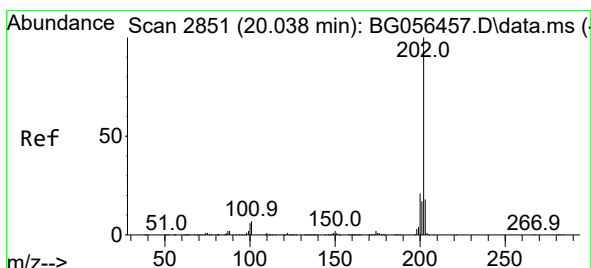
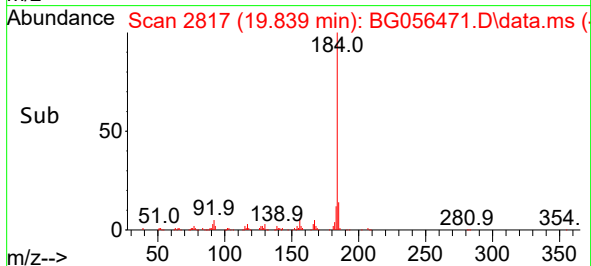
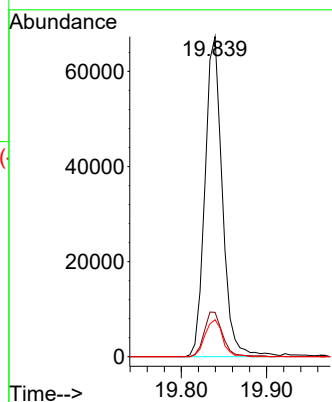
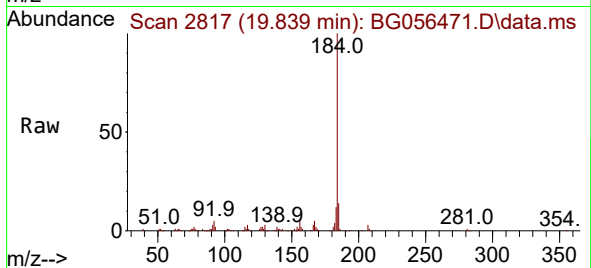
Tgt Ion:184 Resp: 95271

Ion Ratio Lower Upper

184 100

185 13.8 12.3 18.5

183 11.6 9.8 14.8



#78

Pyrene

Concen: 9.238 ng

RT: 20.027 min Scan# 2849

Delta R.T. -0.011 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

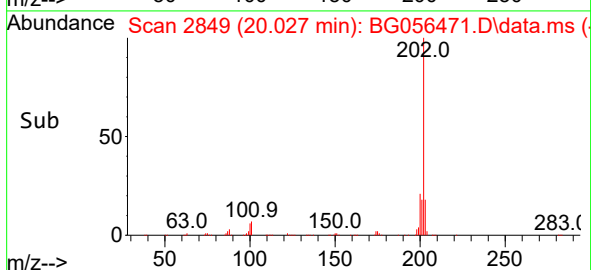
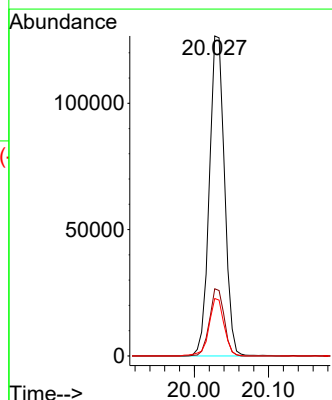
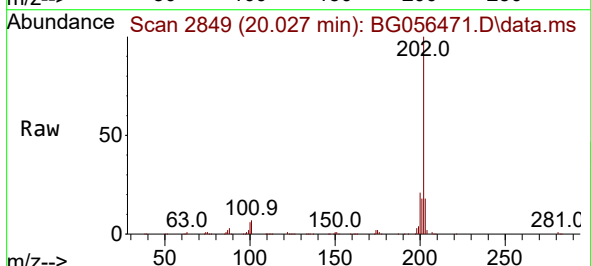
Tgt Ion:202 Resp: 179960

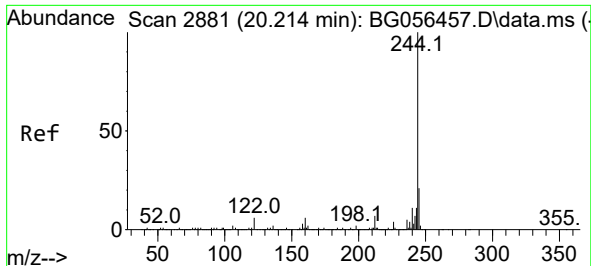
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.9 14.4 21.6

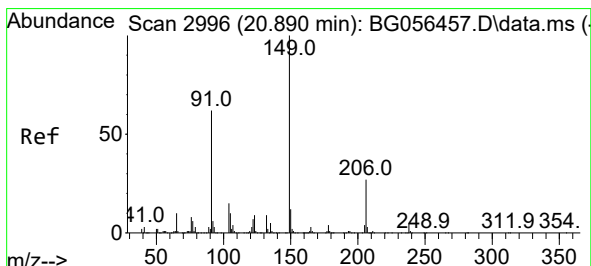
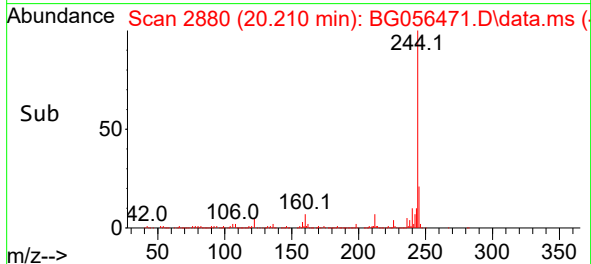
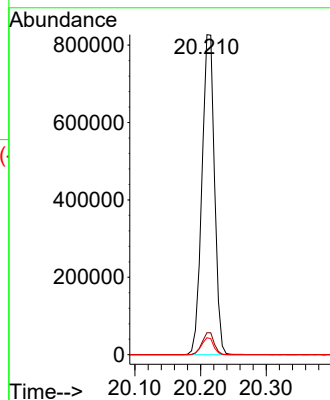
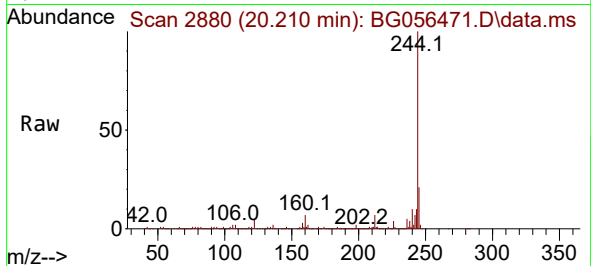




#79
 Terphenyl-d14
 Concen: 70.696 ng
 RT: 20.210 min Scan# 2880
 Delta R.T. -0.005 min
 Lab File: BG056471.D
 Acq: 30 Jan 2023 15:26

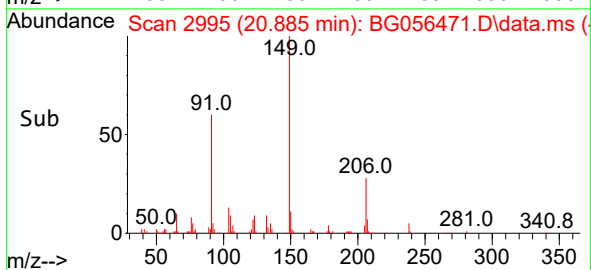
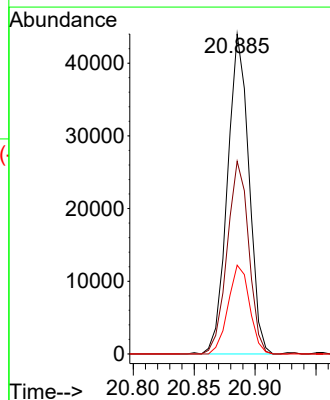
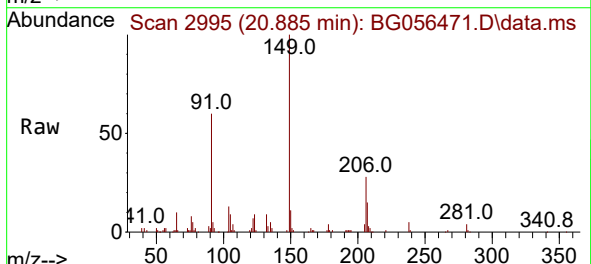
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

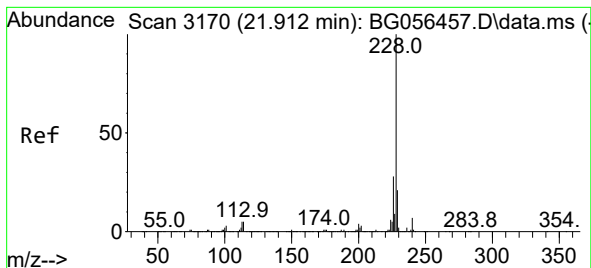
Tgt Ion:244 Resp: 1102513
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 5.3 4.4 6.6



#80
 Butylbenzylphthalate
 Concen: 9.053 ng
 RT: 20.885 min Scan# 2995
 Delta R.T. -0.005 min
 Lab File: BG056471.D
 Acq: 30 Jan 2023 15:26

Tgt Ion:149 Resp: 53864
 Ion Ratio Lower Upper
 149 100
 91 60.2 49.4 74.0
 206 27.7 22.0 33.0





#81

Benzo(a)anthracene

Concen: 9.336 ng

RT: 21.902 min Scan# 3168

Delta R.T. -0.010 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

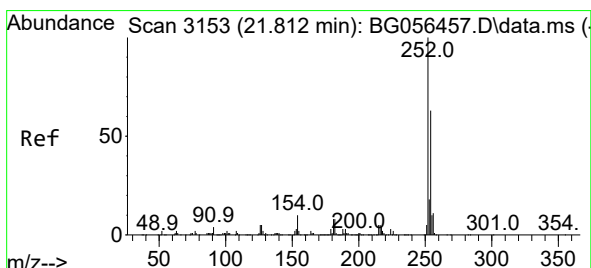
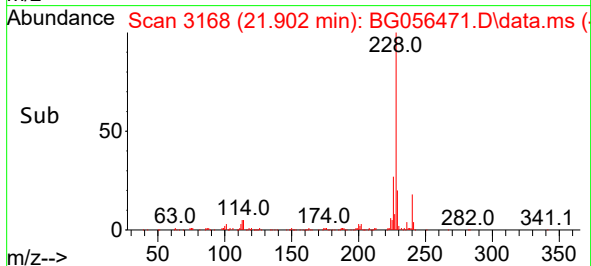
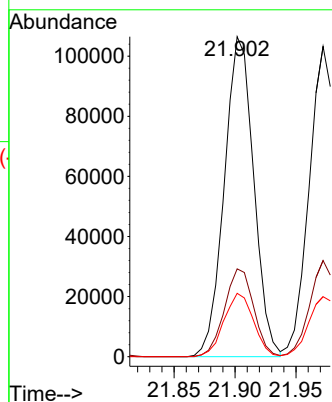
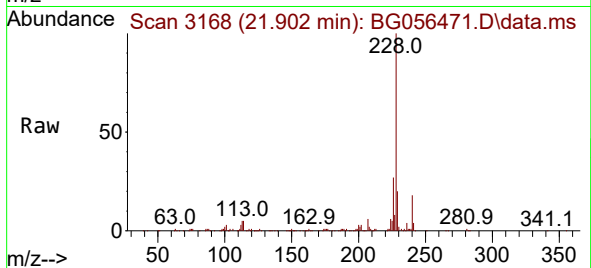
Tgt Ion:228 Resp: 178777

Ion Ratio Lower Upper

228 100

226 27.5 22.4 33.6

229 19.8 16.5 24.7



#82

3,3'-Dichlorobenzidine

Concen: 10.666 ng

RT: 21.802 min Scan# 3151

Delta R.T. -0.010 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

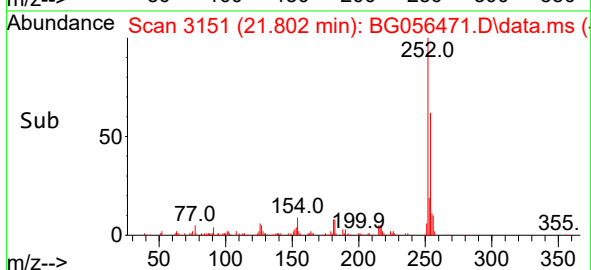
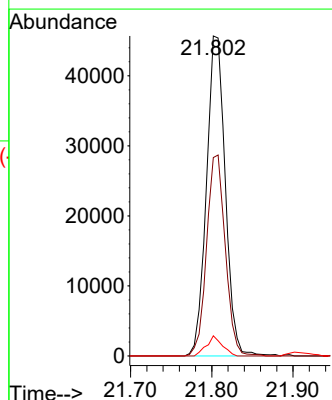
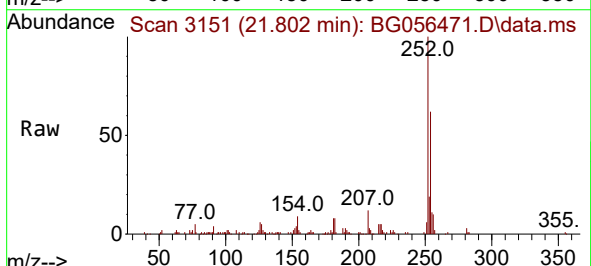
Tgt Ion:252 Resp: 73550

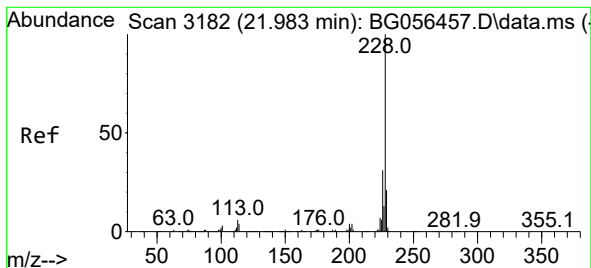
Ion Ratio Lower Upper

252 100

254 62.0 50.0 75.0

126 6.3 4.3 6.5





#83

Chrysene

Concen: 9.328 ng

RT: 21.972 min Scan# 3180

Delta R.T. -0.010 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

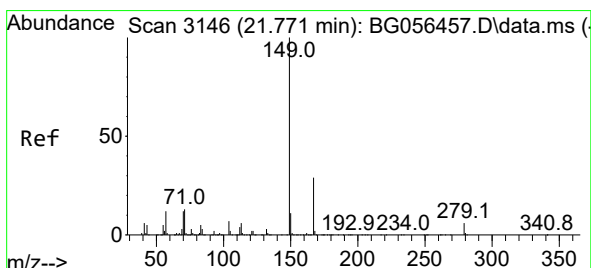
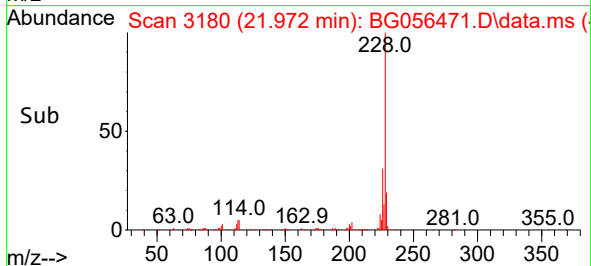
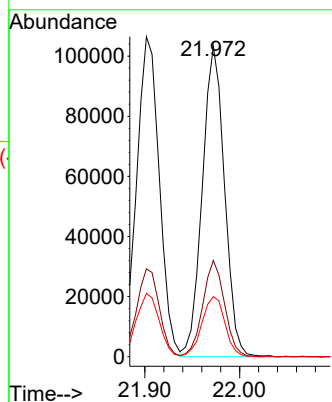
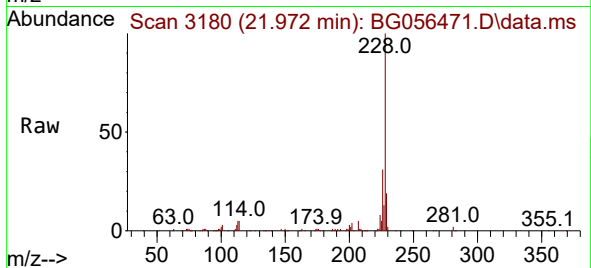
Tgt Ion:228 Resp: 167808

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.4

229 19.4 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.881 ng

RT: 21.761 min Scan# 3144

Delta R.T. -0.010 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

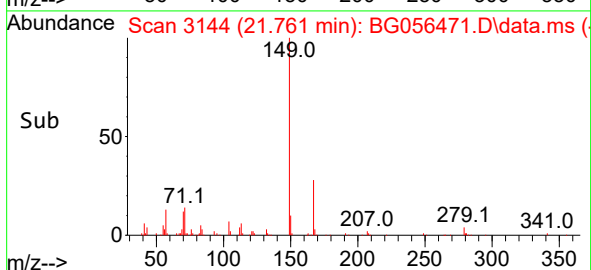
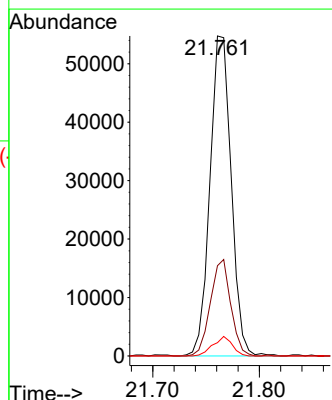
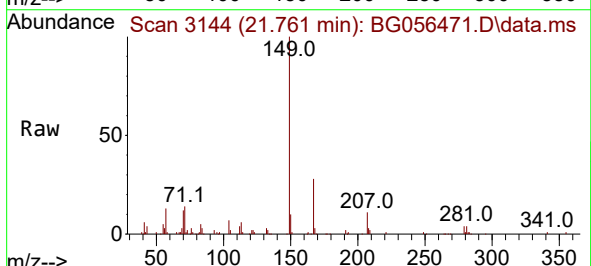
Tgt Ion:149 Resp: 75758

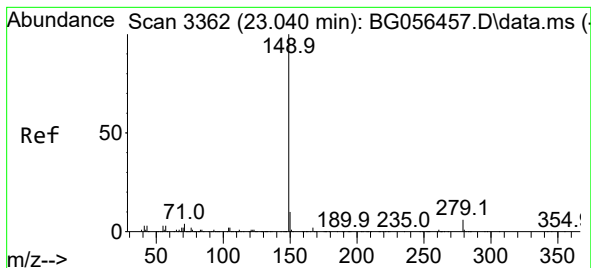
Ion Ratio Lower Upper

149 100

167 28.2 23.4 35.2

279 4.2 4.4 6.6#





#85

Di-n-octyl phthalate

Concen: 9.059 ng

RT: 23.030 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

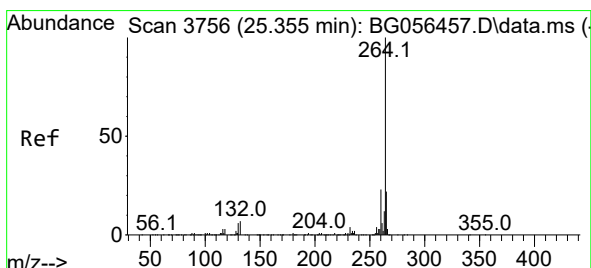
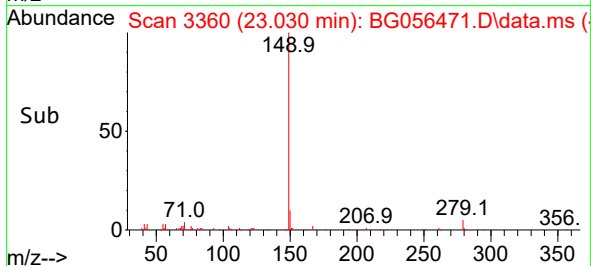
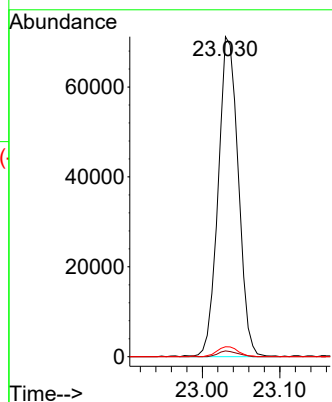
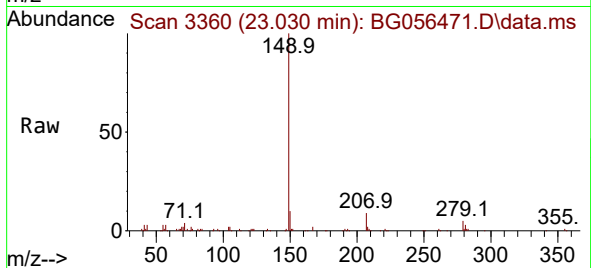
Tgt Ion:149 Resp: 128691

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 3.3 2.7 4.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.345 min Scan# 3754

Delta R.T. -0.010 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

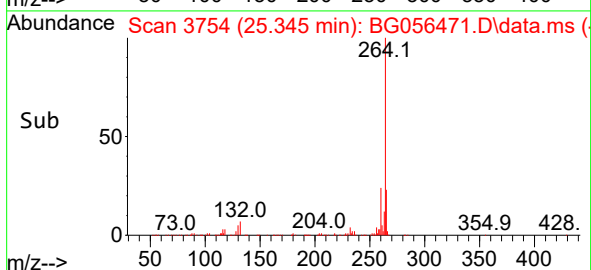
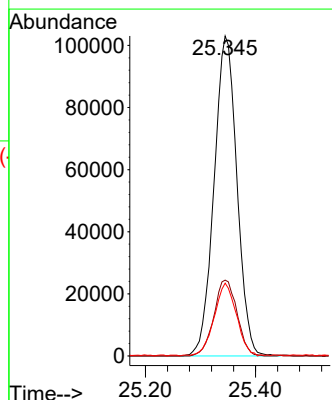
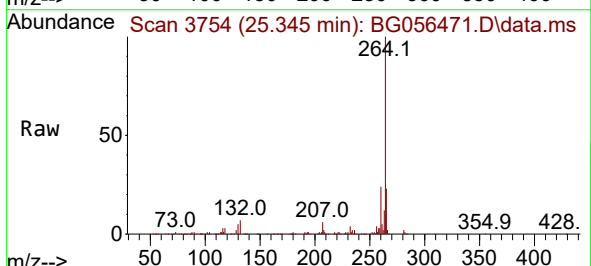
Tgt Ion:264 Resp: 297454

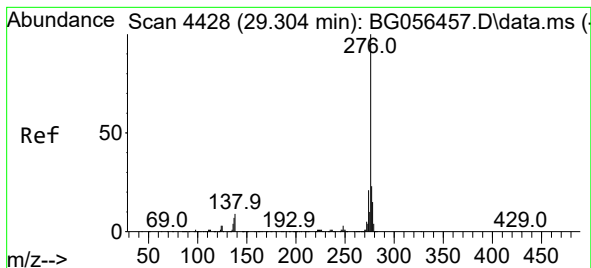
Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 22.7 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.187 ng

RT: 29.281 min Scan# 4428

Delta R.T. -0.022 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

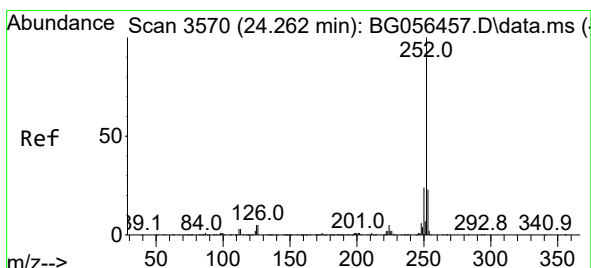
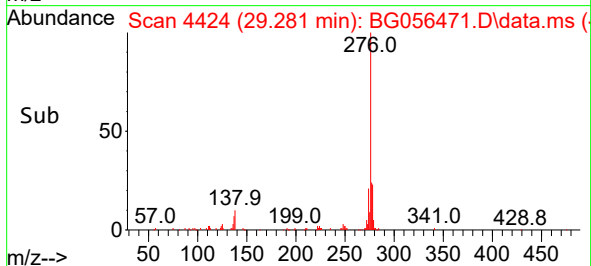
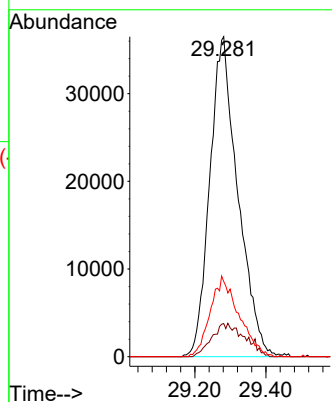
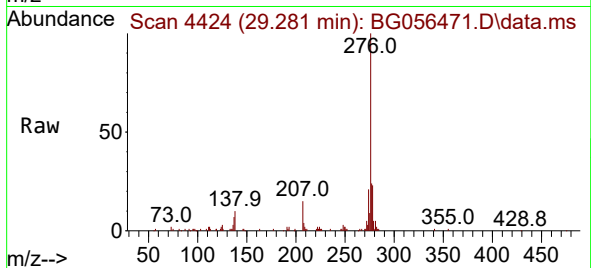
Tgt Ion:276 Resp: 200032

Ion Ratio Lower Upper

276 100

138 12.2 9.4 14.2

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 9.873 ng

RT: 24.246 min Scan# 3567

Delta R.T. -0.016 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

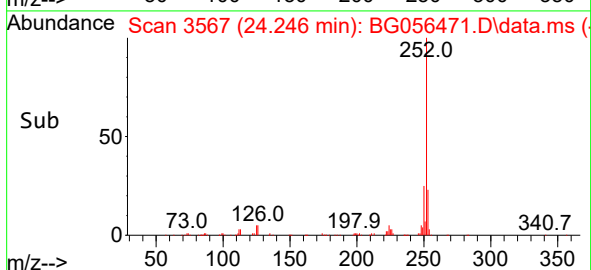
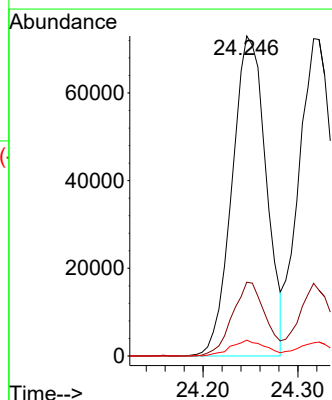
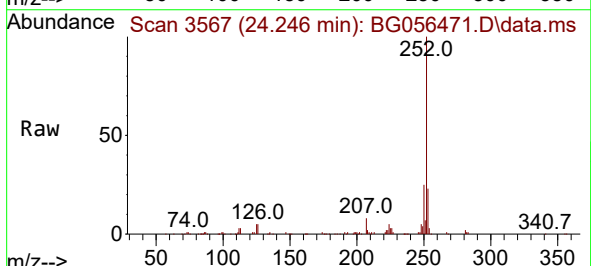
Tgt Ion:252 Resp: 182275

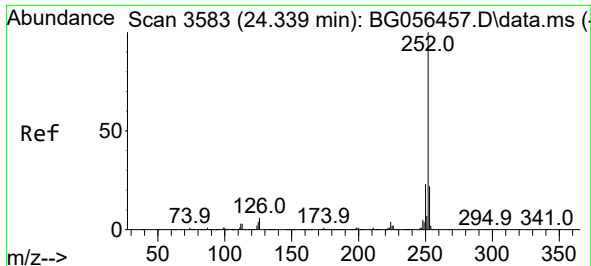
Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

125 5.0 3.9 5.9

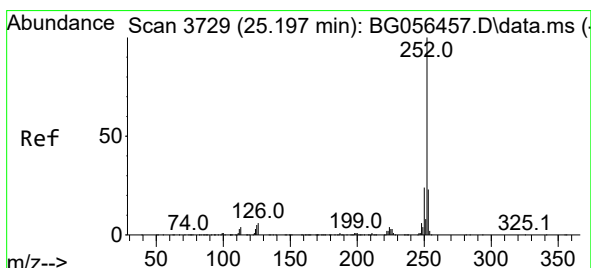
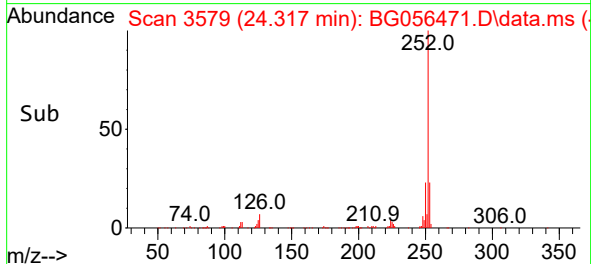
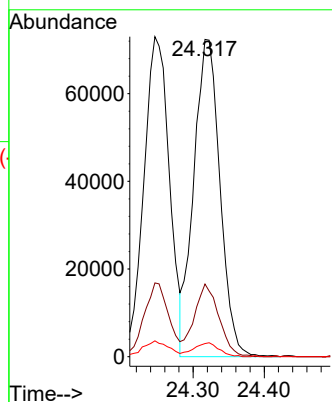
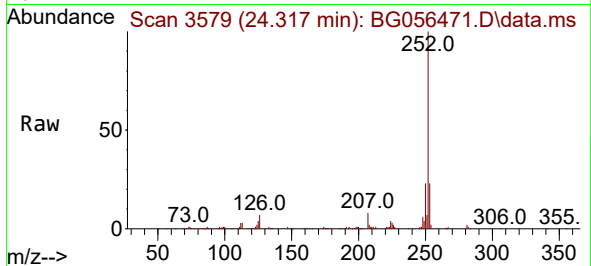




#89
Benzo(k)fluoranthene
Concen: 9.974 ng
RT: 24.317 min Scan# 31
Delta R.T. -0.022 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

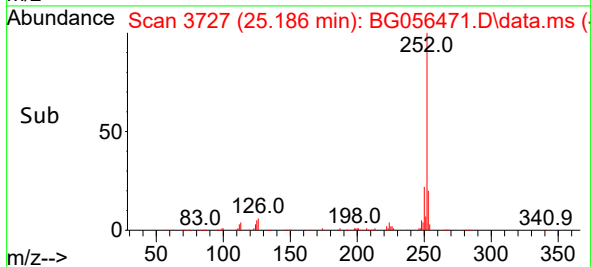
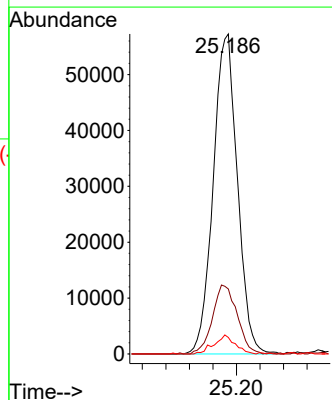
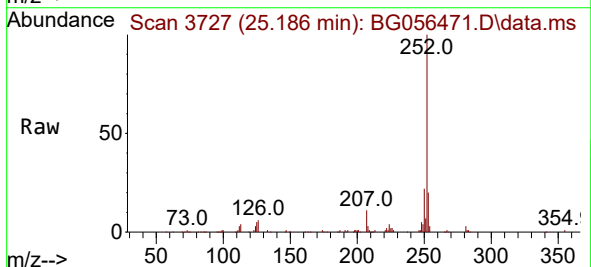
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

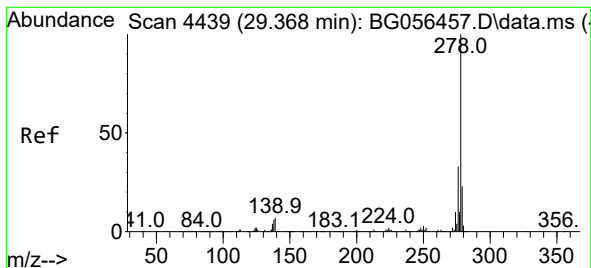
Tgt Ion:252 Resp: 185917
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 4.1 3.4 5.0



#90
Benzo(a)pyrene
Concen: 8.986 ng
RT: 25.186 min Scan# 3727
Delta R.T. -0.010 min
Lab File: BG056471.D
Acq: 30 Jan 2023 15:26

Tgt Ion:252 Resp: 163429
Ion Ratio Lower Upper
252 100
253 20.3 18.4 27.6
125 5.2 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 9.593 ng

RT: 29.334 min Scan# 4433

Delta R.T. -0.034 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

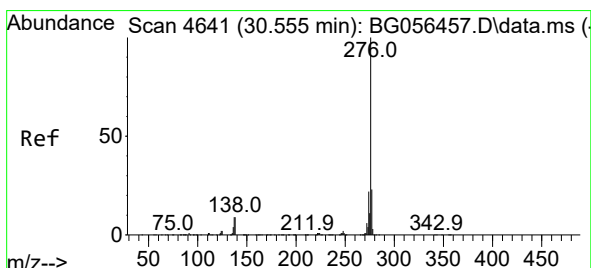
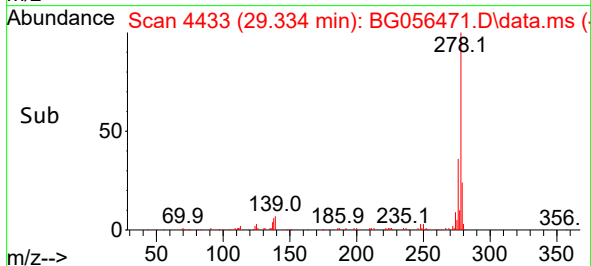
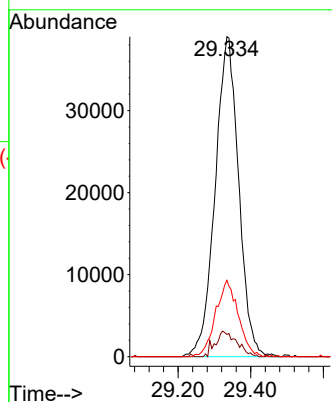
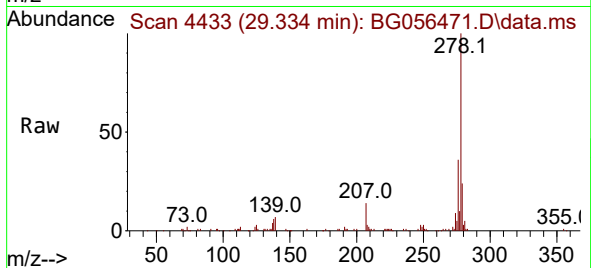
Tgt Ion:278 Resp: 175339

Ion Ratio Lower Upper

278 100

139 6.9 5.5 8.3

279 23.9 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 9.525 ng

RT: 30.509 min Scan# 4633

Delta R.T. -0.046 min

Lab File: BG056471.D

Acq: 30 Jan 2023 15:26

Tgt Ion:276 Resp: 167980

Ion Ratio Lower Upper

276 100

277 25.2 18.5 27.7

138 9.8 7.4 11.0

