

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
 Data File : BG056469.D
 Acq On : 30 Jan 2023 11:31
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jan 31 03:00:27 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	8.276	152	29710	20.000	ng	0.00
21) Naphthalene-d8	11.113	136	121869	20.000	ng	0.00
39) Acenaphthene-d10	14.897	164	101378	20.000	ng	0.00
64) Phenanthrene-d10	17.635	188	265860	20.000	ng	0.00
76) Chrysene-d12	21.924	240	260219	20.000	ng	0.00
86) Perylene-d12	25.344	264	285878	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	201475	124.749	ng	0.00
7) Phenol-d6	7.418	99	283647	118.534	ng	0.00
23) Nitrobenzene-d5	9.451	82	159476	74.308	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	154915	114.943	ng	0.00
45) 2-Fluorobiphenyl	13.522	172	548690	75.038	ng	0.00
79) Terphenyl-d14	20.215	244	1062962	71.745	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.599	88	4048	6.019	ng	94
3) Pyridine	4.028	79	8813	4.396	ng	# 93
4) n-Nitrosodimethylamine	3.934	42	2270	5.325	ng	# 78
6) Aniline	7.594	93	16496	5.265	ng	96
8) 2-Chlorophenol	7.835	128	9659	5.444	ng	91
9) Benzaldehyde	7.406	77	8026	5.441	ng	95
10) Phenol	7.447	94	12583	5.174	ng	90
11) bis(2-Chloroethyl)ether	7.682	93	9317	5.573	ng	88
12) 1,3-Dichlorobenzene	8.170	146	10874	5.323	ng	97
13) 1,4-Dichlorobenzene	8.317	146	11824	5.716	ng	96
14) 1,2-Dichlorobenzene	8.640	146	11024	5.492	ng	91
15) Benzyl Alcohol	8.516	79	7881	4.800	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.799	45	1783	5.034	ng	87
17) 2-Methylphenol	8.716	107	8608	4.652	ng	96
18) Hexachloroethane	9.374	117	3490	5.578	ng	# 85
19) n-Nitroso-di-n-propyla...	9.075	70	6889	4.996	ng	# 91
20) 3+4-Methylphenols	9.051	107	11730	4.524	ng	93
22) Acetophenone	9.104	105	16522	5.102	ng	# 97
24) Nitrobenzene	9.498	77	10254	4.953	ng	# 91
25) Isophorone	10.015	82	21450	4.845	ng	# 91
26) 2-Nitrophenol	10.214	139	6358	5.062	ng	97
27) 2,4-Dimethylphenol	10.262	122	9214	4.383	ng	92
28) bis(2-Chloroethoxy)met...	10.491	93	12935	5.288	ng	# 96
29) 2,4-Dichlorophenol	10.755	162	11439	4.835	ng	93
30) 1,2,4-Trichlorobenzene	10.967	180	13731	5.222	ng	# 93
31) Naphthalene	11.160	128	33190	5.160	ng	97
32) Benzoic acid	10.414	122	838	0.713	ng	# 81
33) 4-Chloroaniline	11.260	127	15122	5.036	ng	94
34) Hexachlorobutadiene	11.437	225	9652	5.230	ng	95
35) Caprolactam	12.007	113	3474	4.354	ng	# 78
36) 4-Chloro-3-methylphenol	12.365	107	11065	4.842	ng	91
37) 2-Methylnaphthalene	12.747	142	25179	4.748	ng	94
38) 1-Methylnaphthalene	12.747	142	25179	5.084	ng	98
40) 1,2,4,5-Tetrachloroben...	13.105	216	18626	5.029	ng	98
41) Hexachlorocyclopentadiene	13.082	237	3983	8.239	ng	85
43) 2,4,6-Trichlorophenol	13.346	196	10960	4.592	ng	92

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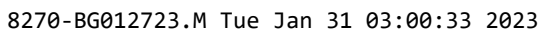
Instrument :
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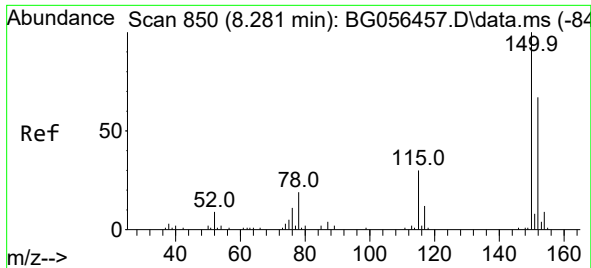
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.422	196	12240	4.380	ng	98
46) 1,1'-Biphenyl	13.734	154	37801	5.141	ng	99
47) 2-Chloronaphthalene	13.781	162	30274	5.267	ng	97
48) 2-Nitroaniline	13.981	65	5957	5.014	ng	95
49) Acenaphthylene	14.621	152	46649	4.989	ng	98
50) Dimethylphthalate	14.333	163	40392	4.925	ng	98
51) 2,6-Dinitrotoluene	14.462	165	8466	4.733	ng	98
52) Acenaphthene	14.956	154	28010	5.051	ng	94
53) 3-Nitroaniline	14.797	138	7963	4.592	ng	94
54) 2,4-Dinitrophenol	15.027	184	1389	1.239	ng	95
55) Dibenzofuran	15.291	168	50547	5.083	ng	97
56) 4-Nitrophenol	15.115	139	4137	3.492	ng	89
57) 2,4-Dinitrotoluene	15.250	165	11967	4.750	ng	# 99
58) Fluorene	15.937	166	40464	5.113	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.520	232	11097	4.466	ng	# 99
60) Diethylphthalate	15.685	149	38606	5.013	ng	95
61) 4-Chlorophenyl-phenyle...	15.920	204	23870	4.943	ng	97
62) 4-Nitroaniline	15.949	138	8126	4.683	ng	94
63) Azobenzene	16.213	77	27407	5.172	ng	98
65) 4,6-Dinitro-2-methylph...	16.014	198	5740	3.071	ng	92
66) n-Nitrosodiphenylamine	16.131	169	35957	4.777	ng	97
67) 4-Bromophenyl-phenylether	16.813	248	16439	4.830	ng	94
68) Hexachlorobenzene	16.942	284	17421	5.226	ng	97
69) Atrazine	17.065	200	15150	5.217	ng	99
70) Pentachlorophenol	17.294	266	3714	1.841	ng	# 89
71) Phenanthrene	17.676	178	70910	5.096	ng	96
72) Anthracene	17.770	178	71466	5.003	ng	99
73) Carbazole	18.035	167	60091	4.940	ng	98
74) Di-n-butylphthalate	18.564	149	61287	4.798	ng	# 96
75) Fluoranthene	19.668	202	90043	5.127	ng	99
77) Benzidine	19.839	184	44289	6.289	ng	99
78) Pyrene	20.032	202	91509	4.944	ng	97
80) Butylbenzylphthalate	20.884	149	25975	4.596	ng	99
81) Benzo(a)anthracene	21.901	228	90492	4.974	ng	98
82) 3,3'-Dichlorobenzidine	21.807	252	35746	5.456	ng	98
83) Chrysene	21.971	228	86017	5.033	ng	98
84) Bis(2-ethylhexyl)phtha...	21.766	149	39696	4.899	ng	97
85) Di-n-octyl phthalate	23.035	149	64958	4.813	ng	99
87) Indeno(1,2,3-cd)pyrene	29.280	276	100133	4.785	ng	# 91
88) Benzo(b)fluoranthene	24.245	252	91271	5.144	ng	96
89) Benzo(k)fluoranthene	24.316	252	92223	5.148	ng	# 98
90) Benzo(a)pyrene	25.173	252	82143	4.700	ng	100
91) Dibenzo(a,h)anthracene	29.333	278	89058	5.070	ng	96
92) Benzo(g,h,i)perylene	30.508	276	85790	5.062	ng	# 96

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

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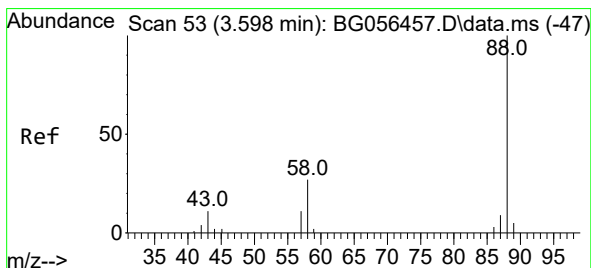
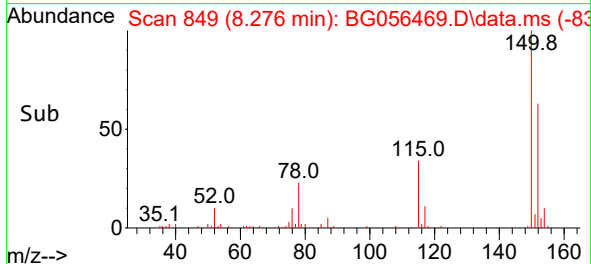
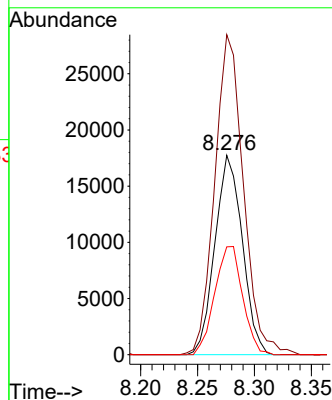
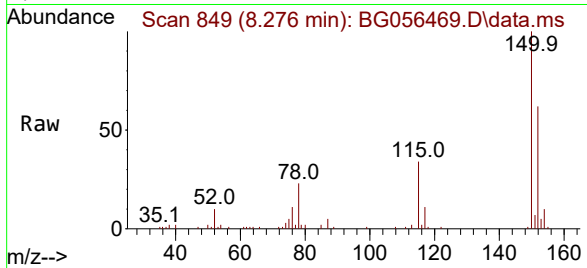




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

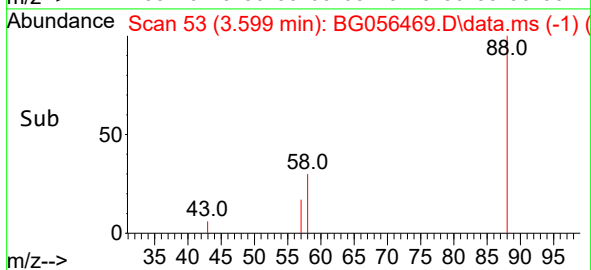
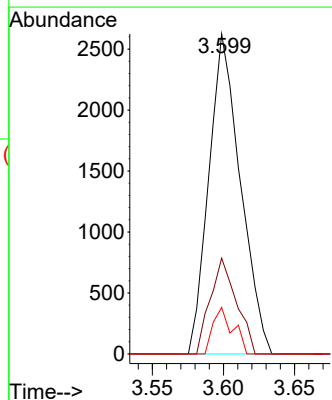
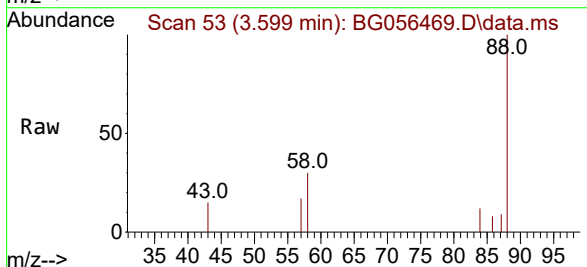
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

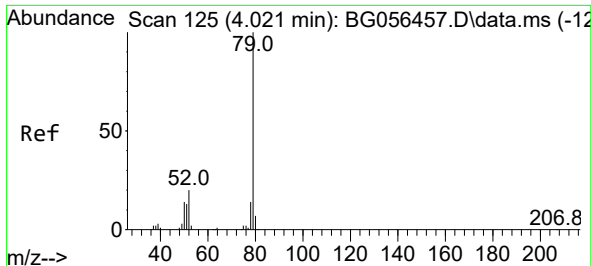
Tgt Ion:152 Resp: 29710
Ion Ratio Lower Upper
152 100
150 160.5 120.2 180.4
115 54.1 36.3 54.5



#2
1,4-Dioxane
Concen: 6.019 ng
RT: 3.599 min Scan# 53
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 88 Resp: 4048
Ion Ratio Lower Upper
88 100
58 24.8 23.0 34.4
43 9.2 8.0 12.0





#3

Pyridine

Concen: 4.396 ng

RT: 4.028 min Scan# 11

Delta R.T. 0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

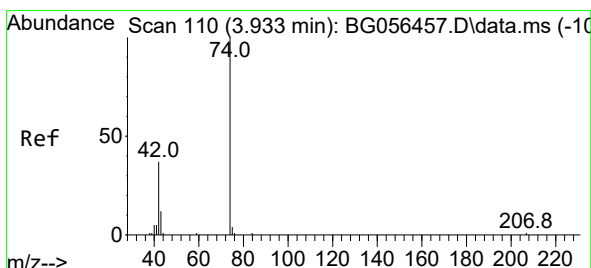
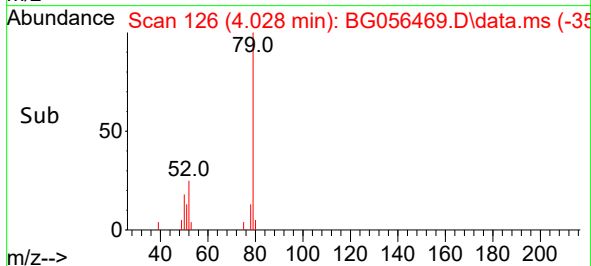
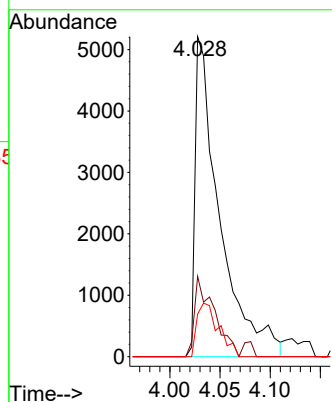
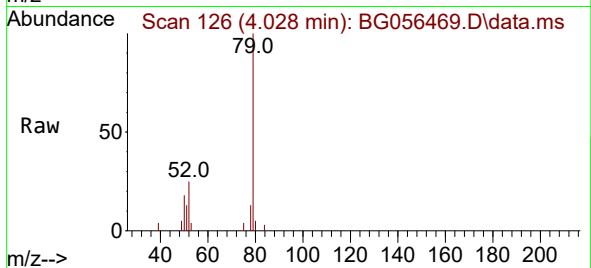
Tgt Ion: 79 Resp: 8813

Ion Ratio Lower Upper

79 100

52 25.1 16.1 24.1#

51 13.3 10.7 16.1



#4

n-Nitrosodimethylamine

Concen: 5.325 ng

RT: 3.934 min Scan# 110

Delta R.T. 0.000 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

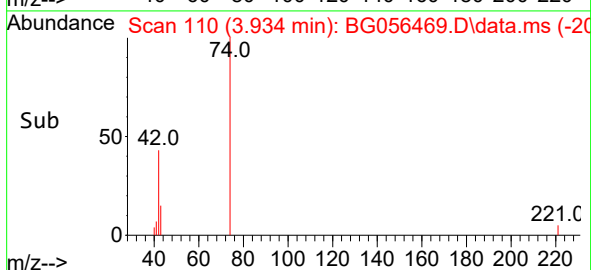
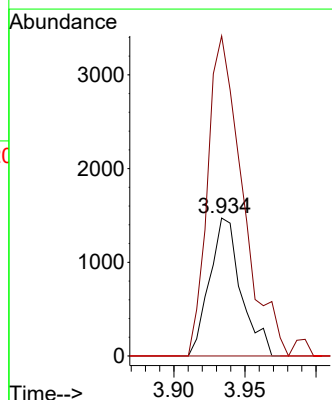
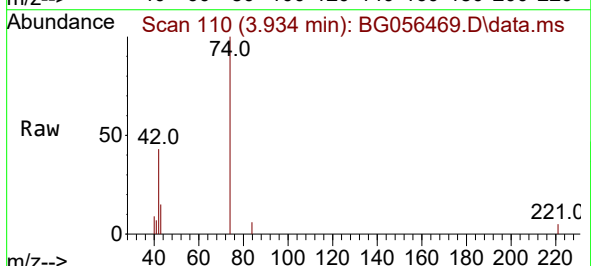
Tgt Ion: 42 Resp: 2270

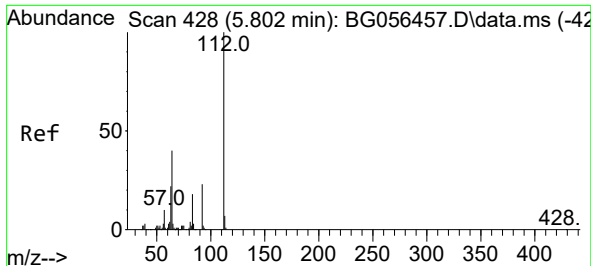
Ion Ratio Lower Upper

42 100

74 232.0 217.9 326.9

44 0.0 3.0 4.6#

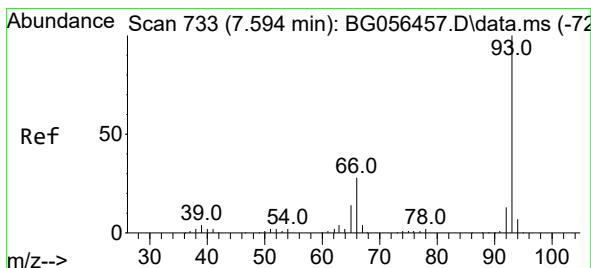
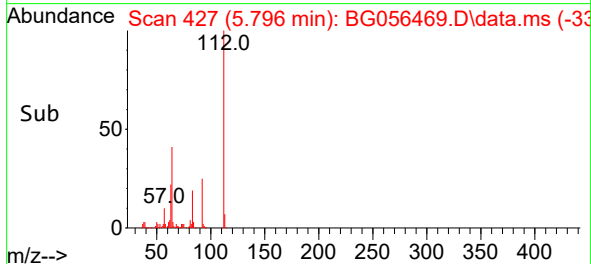
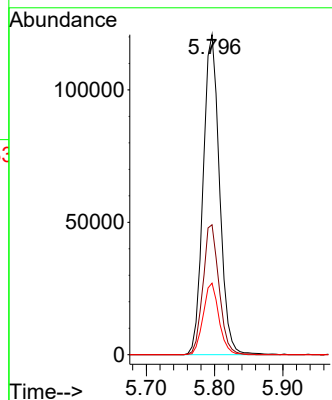
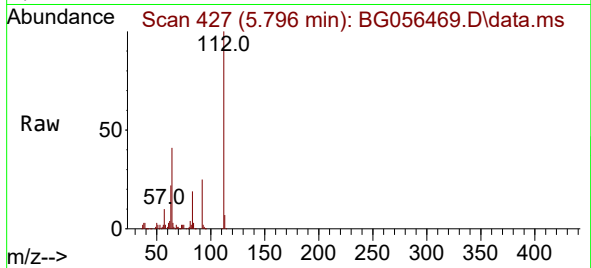




#5
2-Fluorophenol
Concen: 124.749 ng
RT: 5.796 min Scan# 428
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

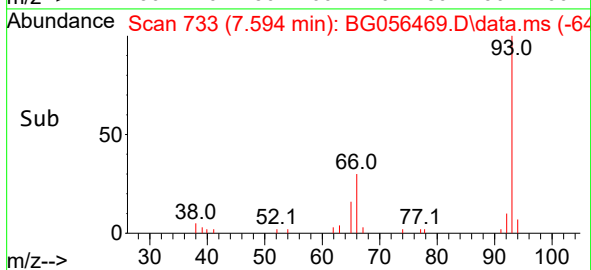
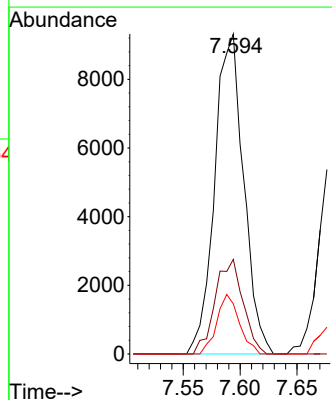
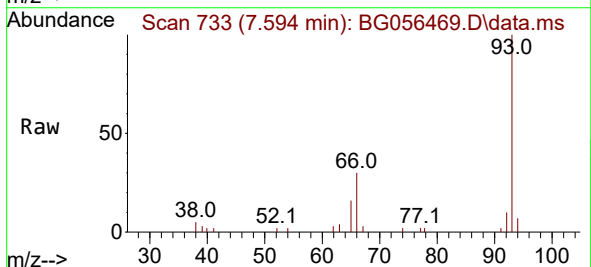
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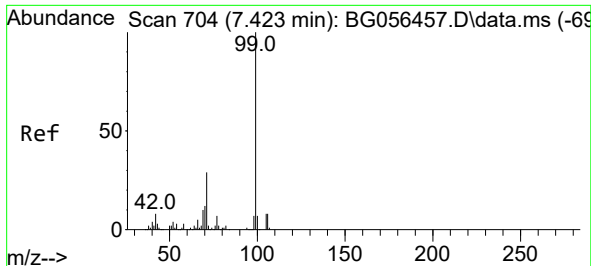
Tgt Ion:112 Resp: 201475
Ion Ratio Lower Upper
112 100
64 40.6 31.9 47.9
63 22.4 17.4 26.0



#6
Aniline
Concen: 5.265 ng
RT: 7.594 min Scan# 733
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 93 Resp: 16496
Ion Ratio Lower Upper
93 100
66 29.5 22.2 33.2
65 15.7 11.3 16.9

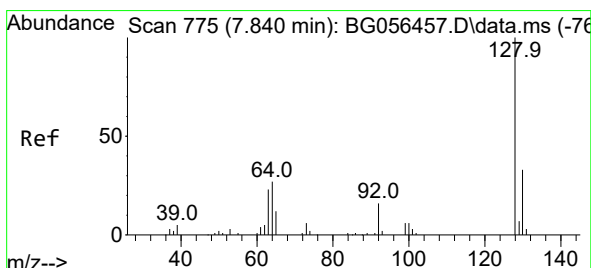
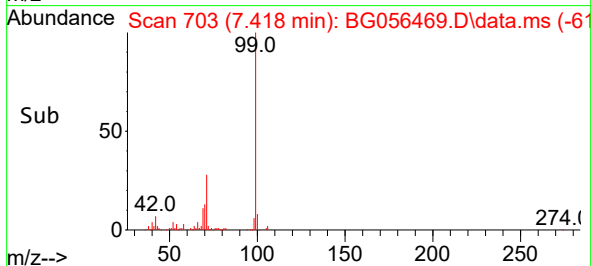
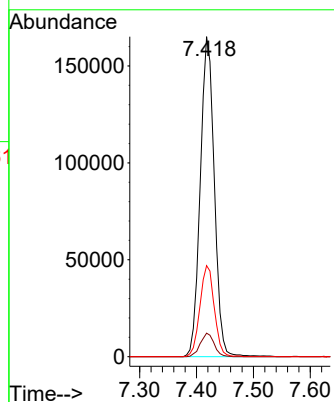
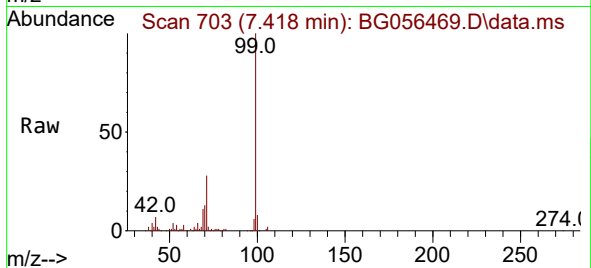




#7
Phenol-d6
Concen: 118.534 ng
RT: 7.418 min Scan# 703
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

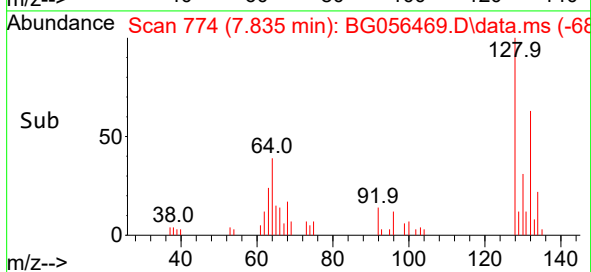
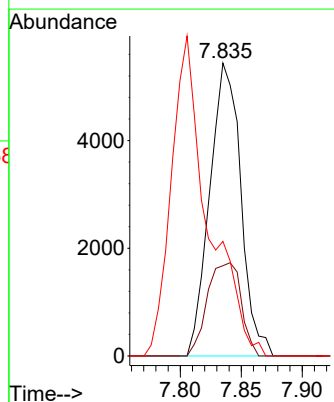
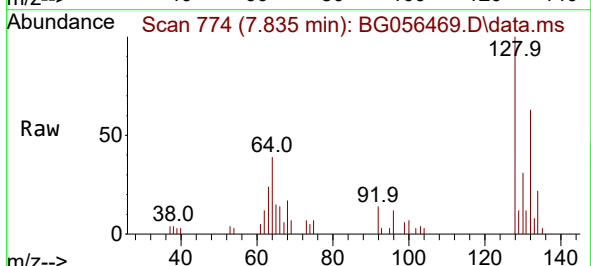
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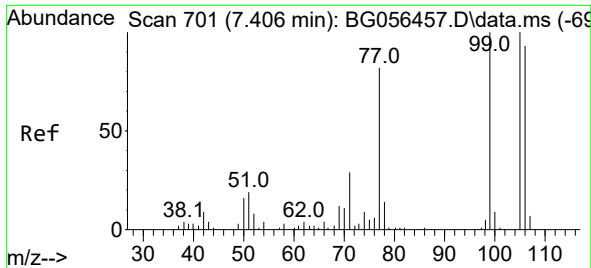
Tgt Ion: 99 Resp: 283647
Ion Ratio Lower Upper
99 100
42 7.3 6.6 10.0
71 28.4 23.4 35.0



#8
2-Chlorophenol
Concen: 5.444 ng
RT: 7.835 min Scan# 774
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 128 Resp: 9659
Ion Ratio Lower Upper
128 100
130 30.8 12.8 52.8
64 39.1 11.3 51.3

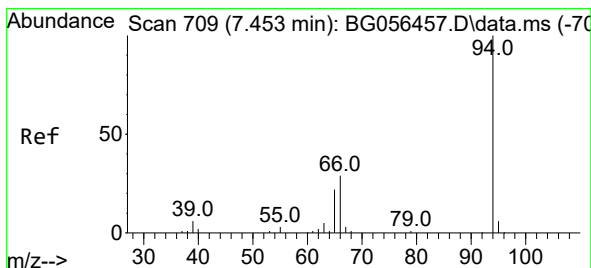
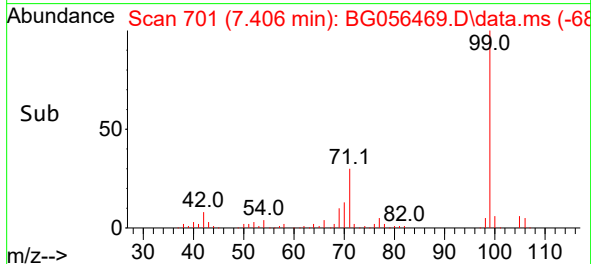
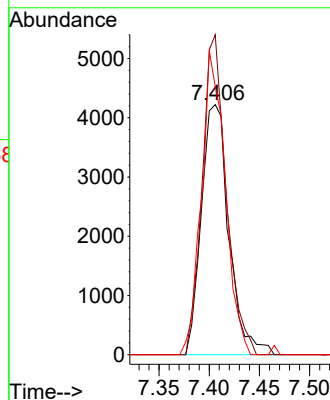
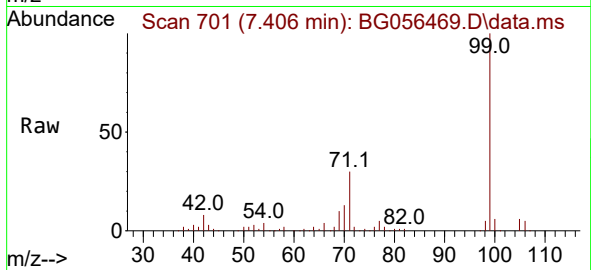




#9
Benzaldehyde
Concen: 5.441 ng
RT: 7.406 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG056469.D
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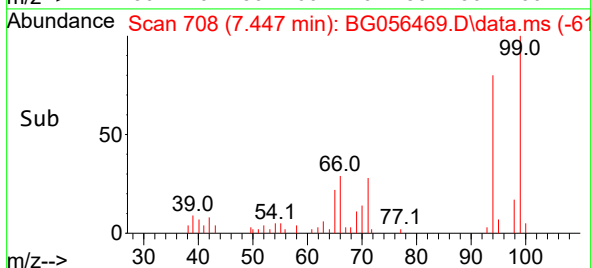
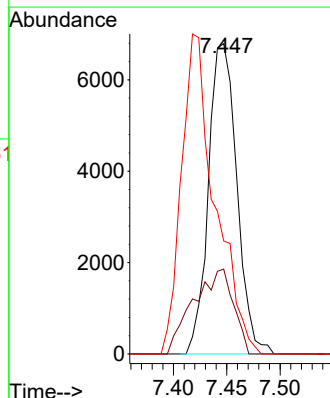
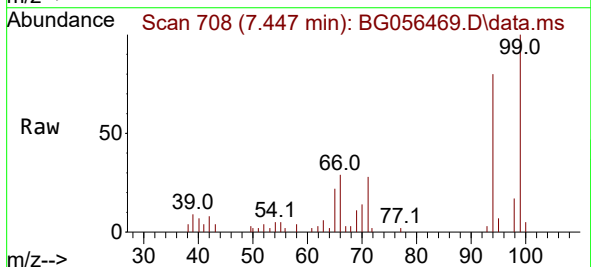
Instrument :
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ClientSampleId :
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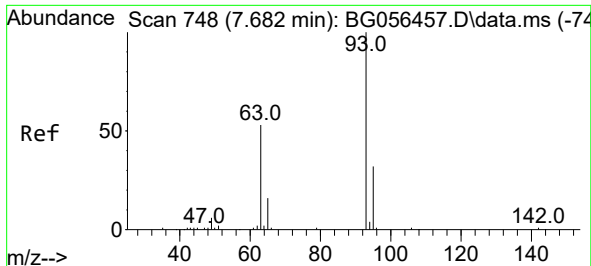
Tgt Ion: 77 Resp: 8026
Ion Ratio Lower Upper
77 100
105 127.9 101.8 141.8
106 107.2 93.0 133.0



#10
Phenol
Concen: 5.174 ng
RT: 7.447 min Scan# 708
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 94 Resp: 12583
Ion Ratio Lower Upper
94 100
65 27.3 2.3 42.3
66 36.4 11.2 51.2

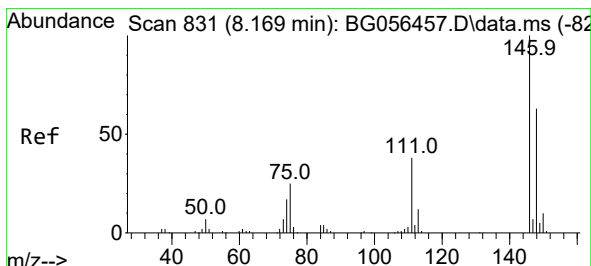
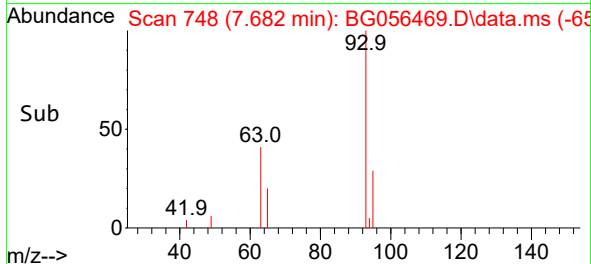
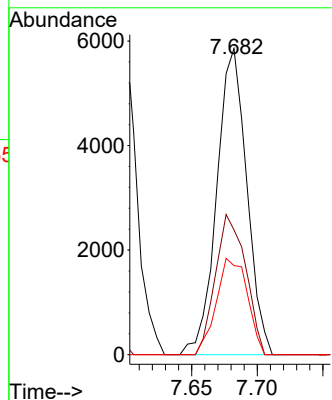
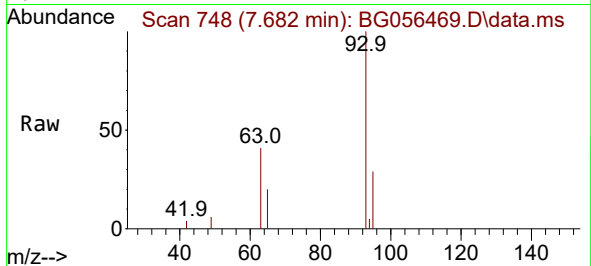




#11
bis(2-Chloroethyl)ether
Concen: 5.573 ng
RT: 7.682 min Scan# 748
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

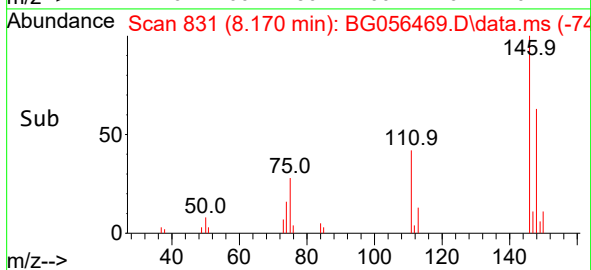
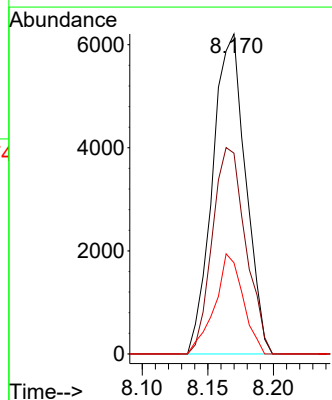
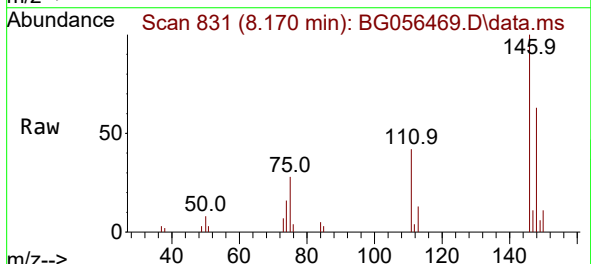
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

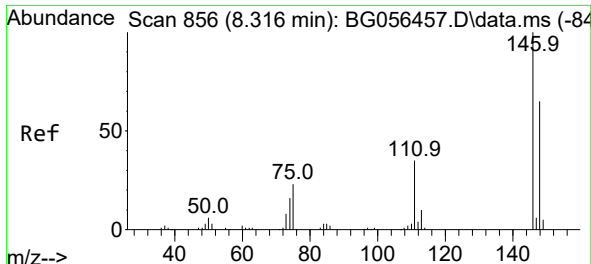
Tgt Ion: 93 Resp: 9317
Ion Ratio Lower Upper
93 100
63 40.8 32.4 72.4
95 29.1 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 5.323 ng
RT: 8.170 min Scan# 831
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 146 Resp: 10874
Ion Ratio Lower Upper
146 100
148 62.8 50.6 75.8
75 28.5 19.6 29.4

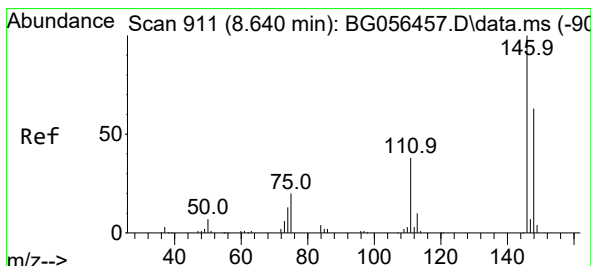
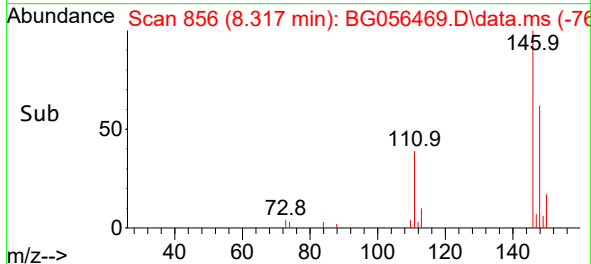
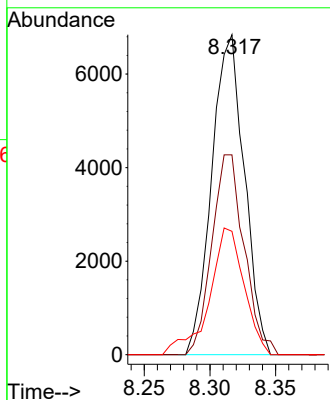
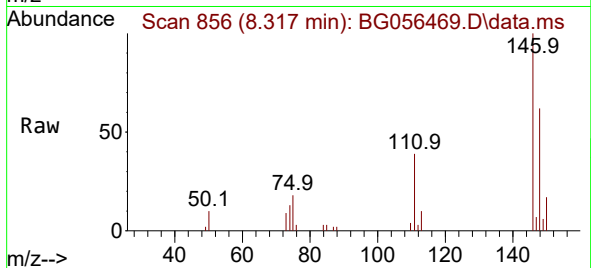




#13
1,4-Dichlorobenzene
Concen: 5.716 ng
RT: 8.317 min Scan# 856
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

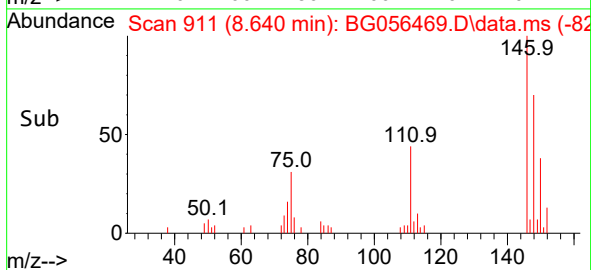
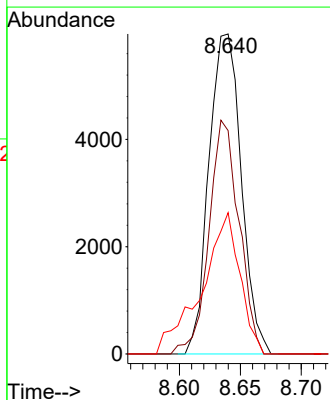
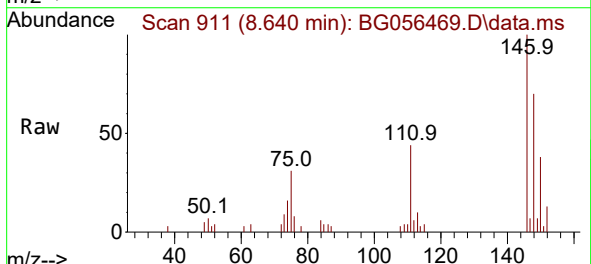
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

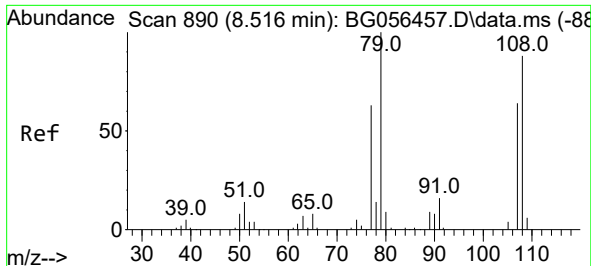
Tgt Ion:146 Resp: 11824
Ion Ratio Lower Upper
146 100
148 62.5 51.8 77.6
111 38.6 28.6 42.8



#14
1,2-Dichlorobenzene
Concen: 5.492 ng
RT: 8.640 min Scan# 911
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:146 Resp: 11024
Ion Ratio Lower Upper
146 100
148 69.8 50.1 75.1
111 44.2 30.9 46.3

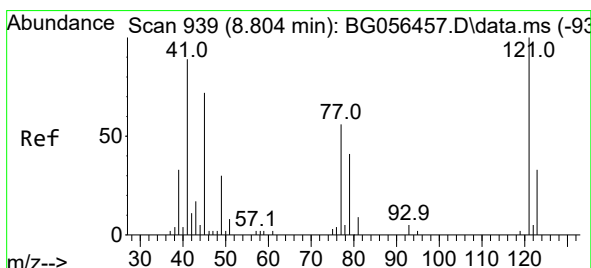
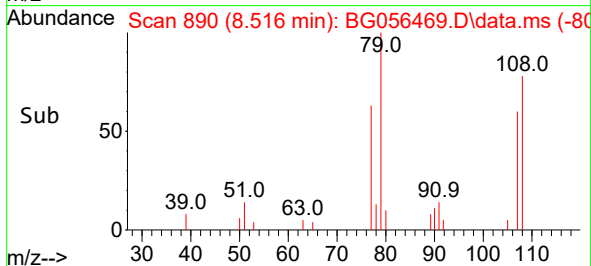
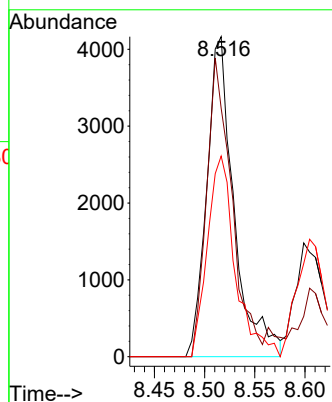
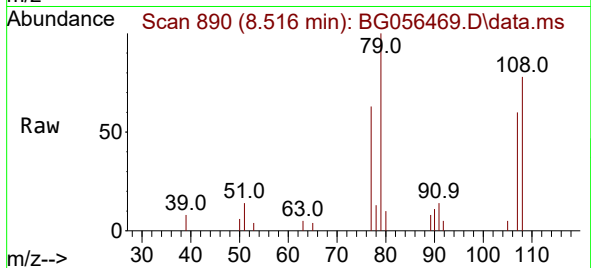




#15
Benzyl Alcohol
Concen: 4.800 ng
RT: 8.516 min Scan# 890
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

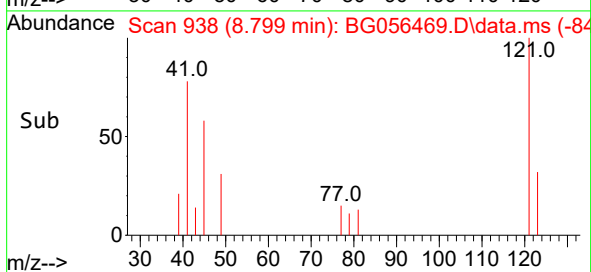
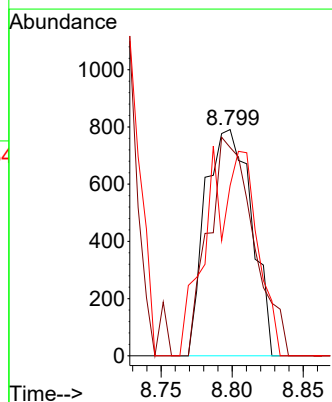
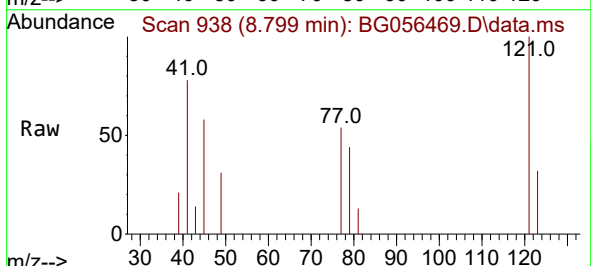
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

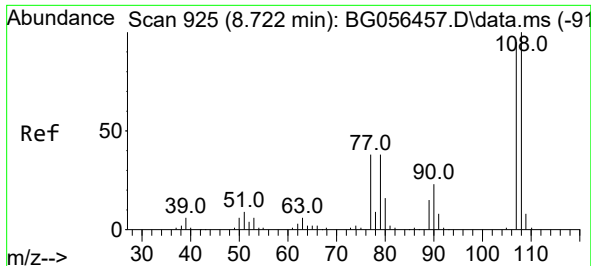
Tgt Ion: 79 Resp: 7881
Ion Ratio Lower Upper
79 100
108 77.6 70.1 105.1
77 62.7 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.034 ng
RT: 8.799 min Scan# 938
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 45 Resp: 1783
Ion Ratio Lower Upper
45 100
77 92.0 62.1 102.1
79 75.2 42.7 82.7

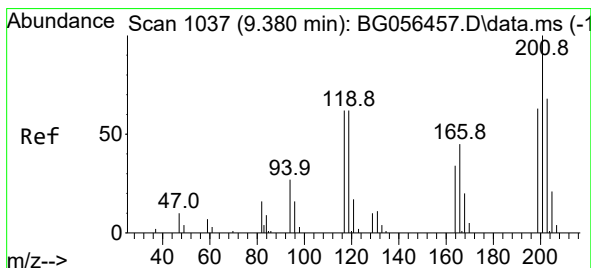
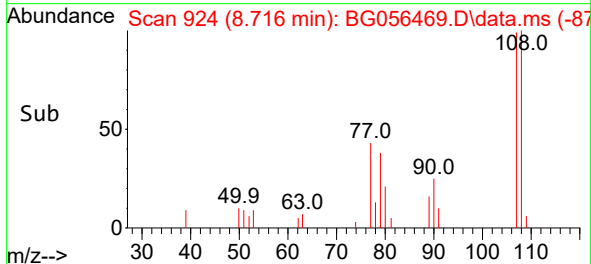
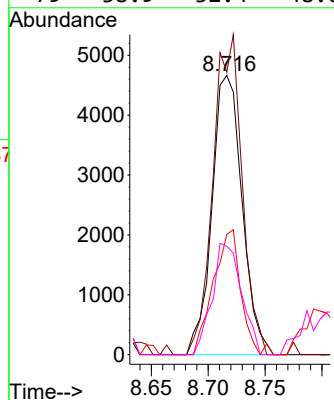
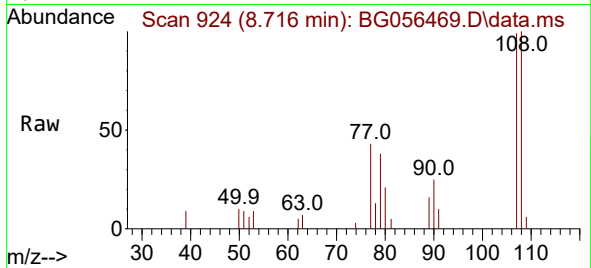




#17
2-Methylphenol
Concen: 4.652 ng
RT: 8.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

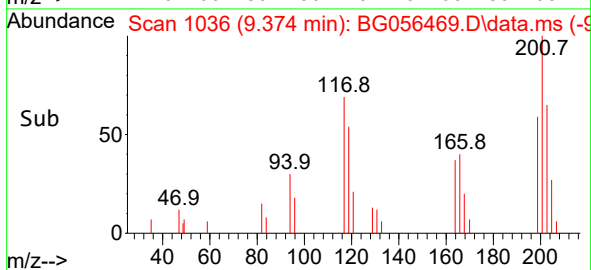
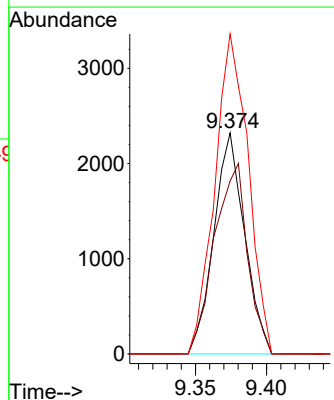
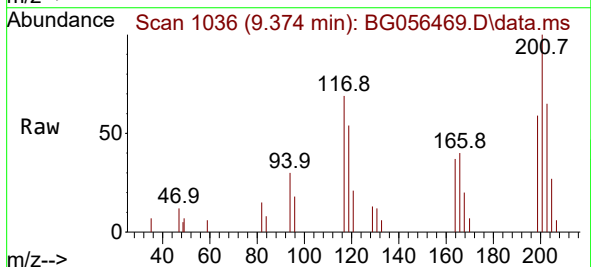
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

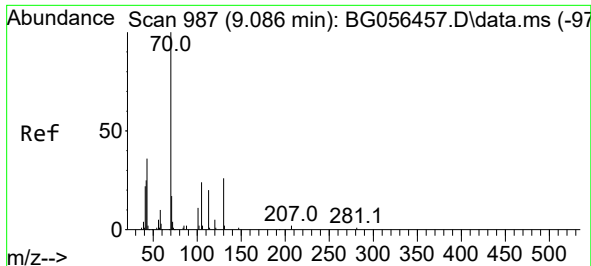
Tgt Ion:	107	Resp:	8608
Ion	Ratio	Lower	Upper
107	100		
108	101.2	83.9	125.9
77	43.0	31.6	47.4
79	38.9	32.4	48.6



#18
Hexachloroethane
Concen: 5.578 ng
RT: 9.374 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:	117	Resp:	3490
Ion	Ratio	Lower	Upper
117	100		
119	78.2	79.4	119.0#
201	144.7	128.5	192.7

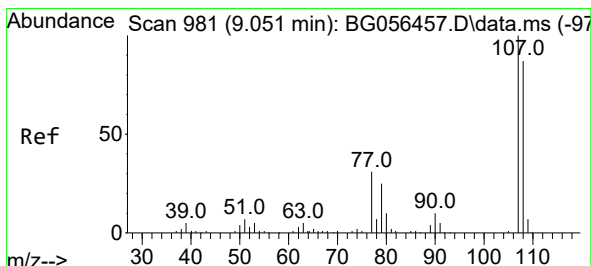
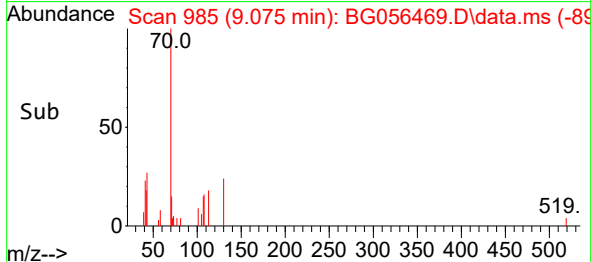
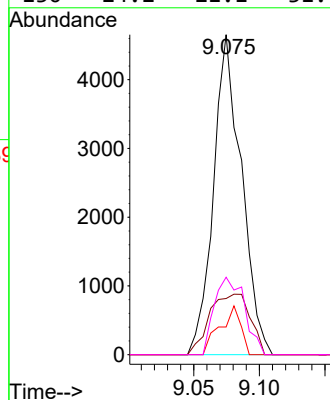
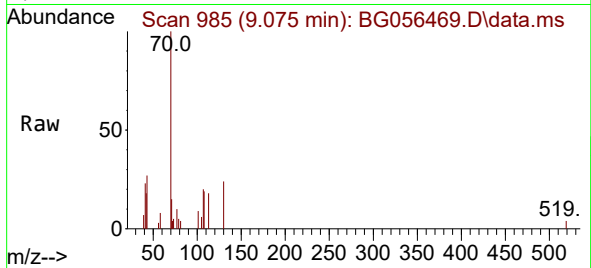




#19
n-Nitroso-di-n-propylamine
Concen: 4.996 ng
RT: 9.075 min Scan# 90
Delta R.T. -0.011 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

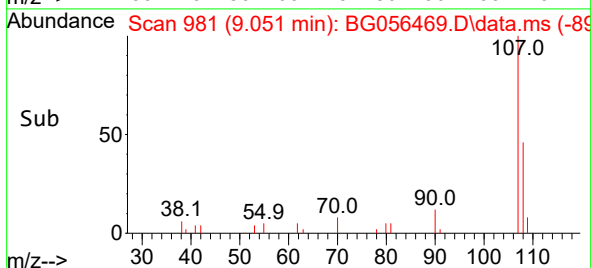
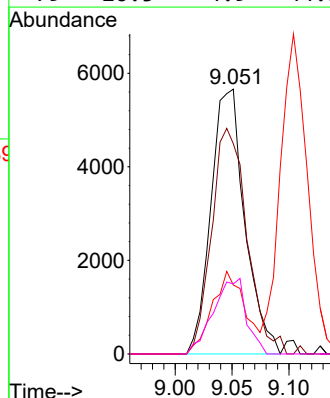
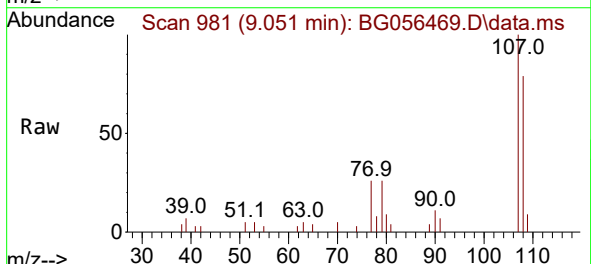
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

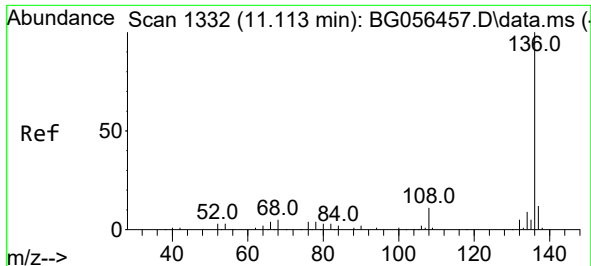
Tgt Ion:	70	Resp:	6889
Ion	Ratio	Lower	Upper
70	100		
42	17.6	20.2	30.4#
101	8.7	9.1	13.7#
130	24.2	21.1	31.7



#20
3+4-Methylphenols
Concen: 4.524 ng
RT: 9.051 min Scan# 981
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:	107	Resp:	11730
Ion	Ratio	Lower	Upper
107	100		
108	79.4	66.7	106.7
77	26.0	10.6	50.6
79	26.5	4.9	44.9

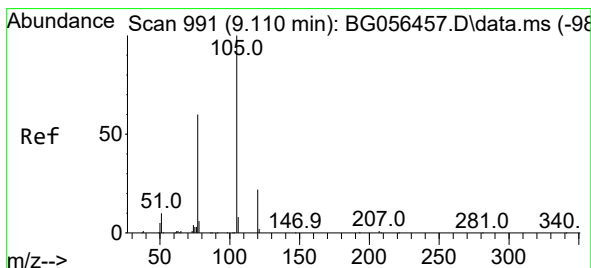
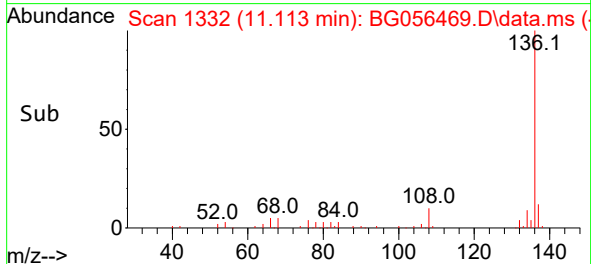
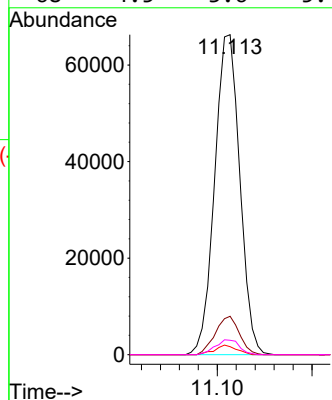
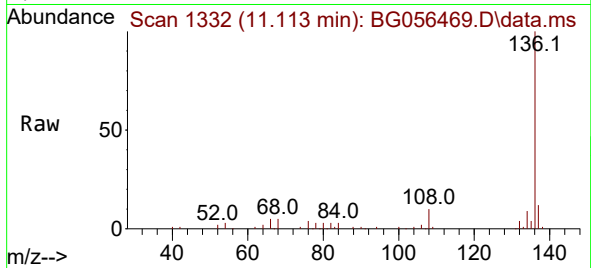




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.113 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

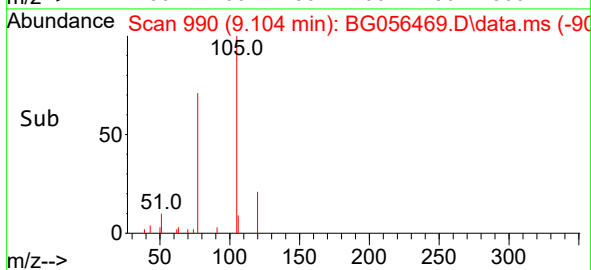
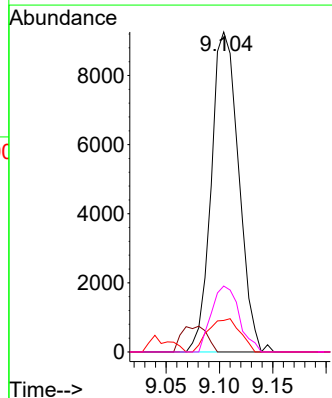
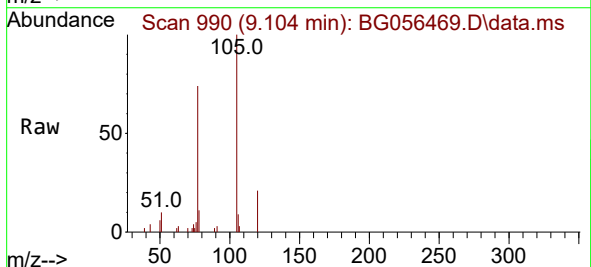
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

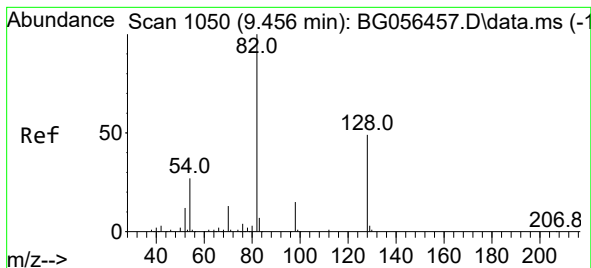
Tgt Ion:136 Resp: 121869
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.0
54 2.5 2.2 3.4
68 4.5 3.6 5.4



#22
Acetophenone
Concen: 5.102 ng
RT: 9.104 min Scan# 990
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:105 Resp: 16522
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8#
51 9.8 9.2 13.8
120 20.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 74.308 ng

RT: 9.451 min Scan# 1049

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

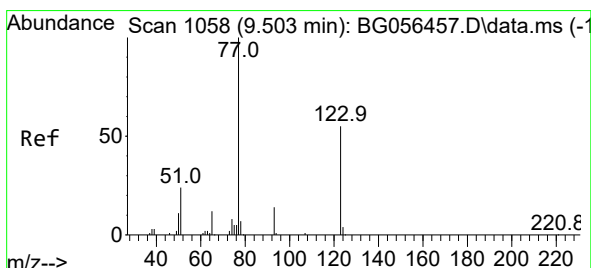
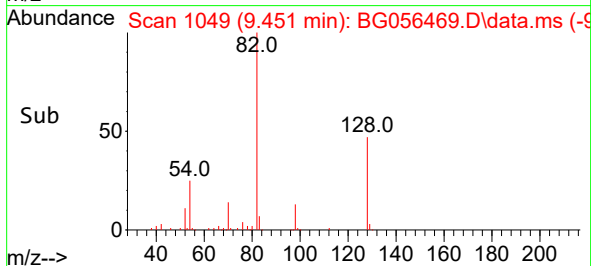
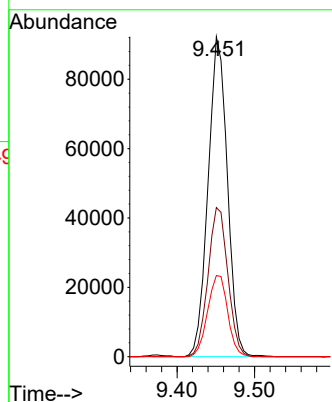
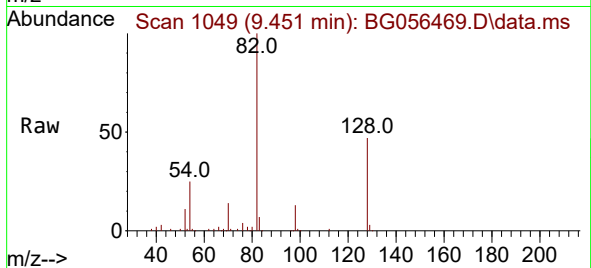
Tgt Ion: 82 Resp: 159476

Ion Ratio Lower Upper

82 100

128 46.6 39.4 59.2

54 25.4 21.4 32.2



#24

Nitrobenzene

Concen: 4.953 ng

RT: 9.498 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

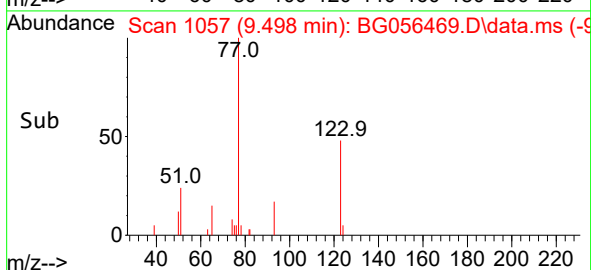
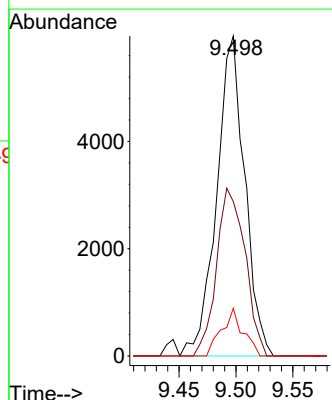
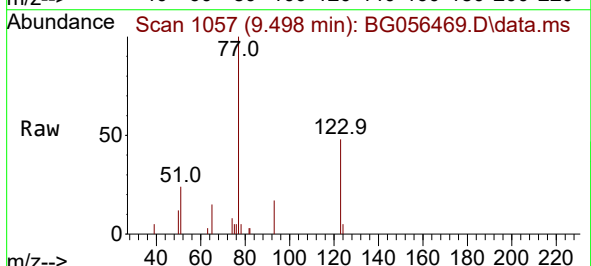
Tgt Ion: 77 Resp: 10254

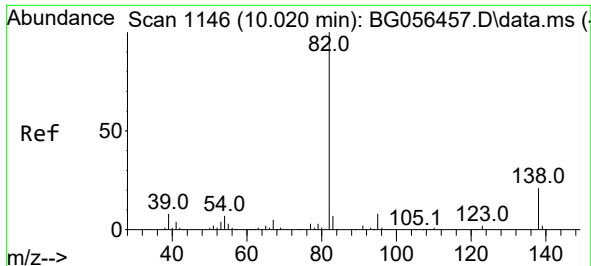
Ion Ratio Lower Upper

77 100

123 48.2 44.0 66.0

65 14.9 9.7 14.5#

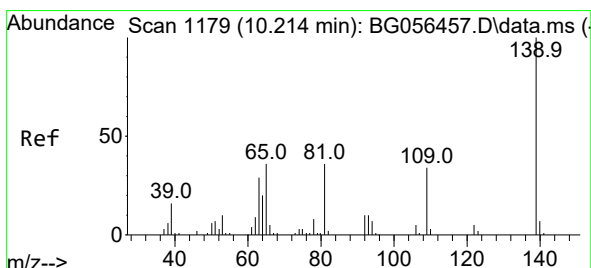
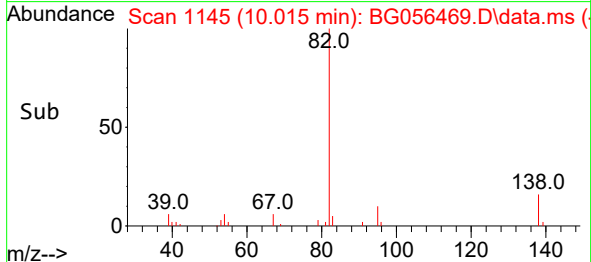
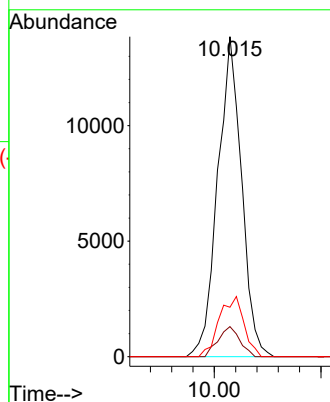
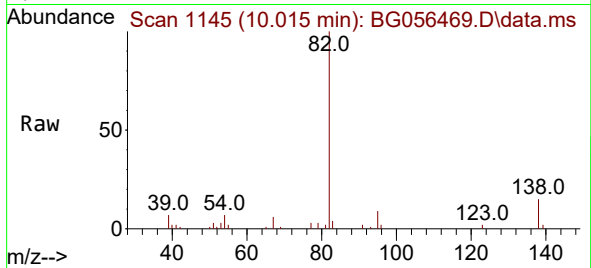




#25
Isophorone
Concen: 4.845 ng
RT: 10.015 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

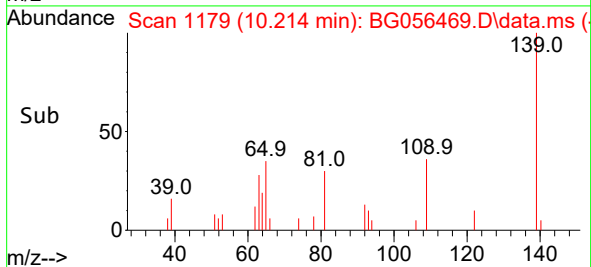
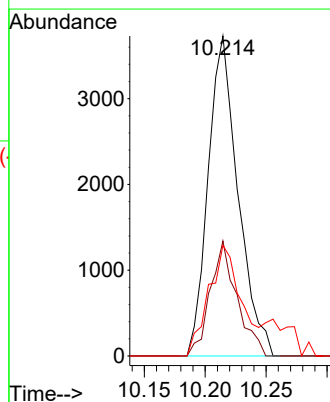
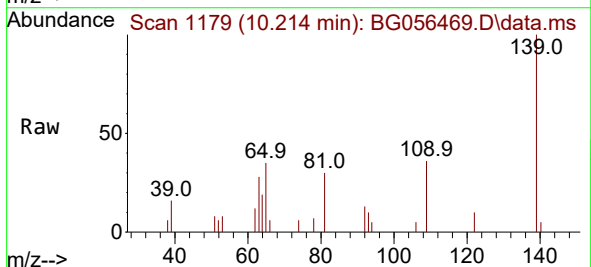
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

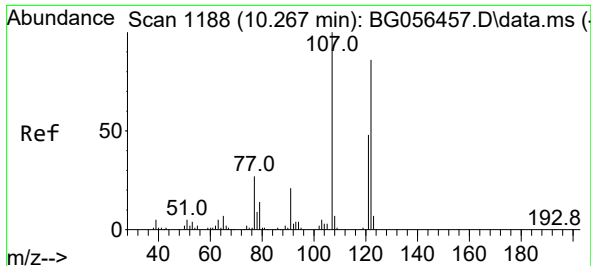
Tgt Ion	Ratio	Lower	Upper
82	100		
95	9.4	6.3	9.5
138	15.4	16.6	25.0



#26
2-Nitrophenol
Concen: 5.062 ng
RT: 10.214 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion	Ratio	Lower	Upper
139	100		
109	36.0	26.9	40.3
65	34.5	29.0	43.4





#27

2,4-Dimethylphenol

Concen: 4.383 ng

RT: 10.262 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

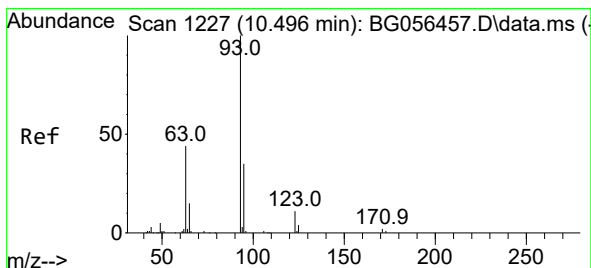
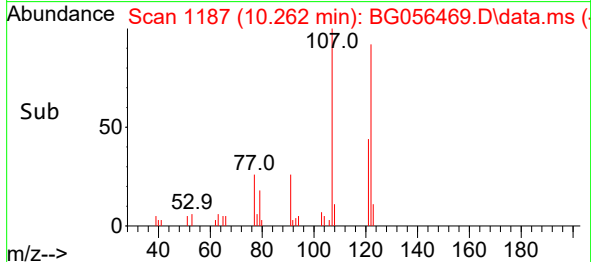
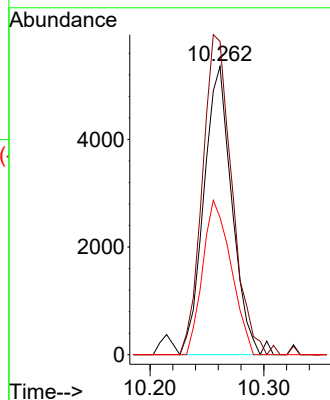
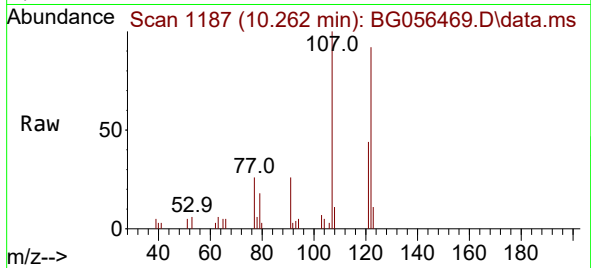
Tgt Ion:122 Resp: 9214

Ion Ratio Lower Upper

122 100

107 108.6 92.9 139.3

121 47.6 45.0 67.4



#28

bis(2-Chloroethoxy)methane

Concen: 5.288 ng

RT: 10.491 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

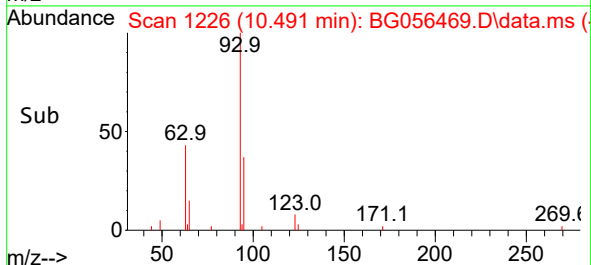
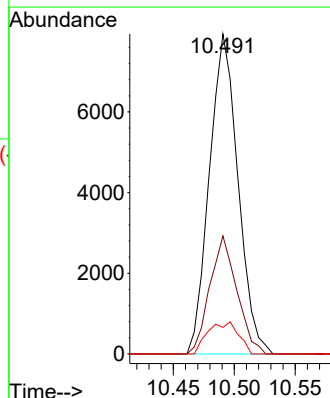
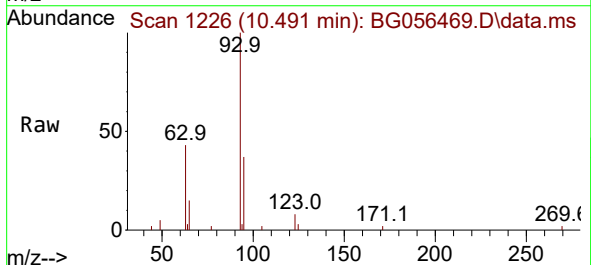
Tgt Ion: 93 Resp: 12935

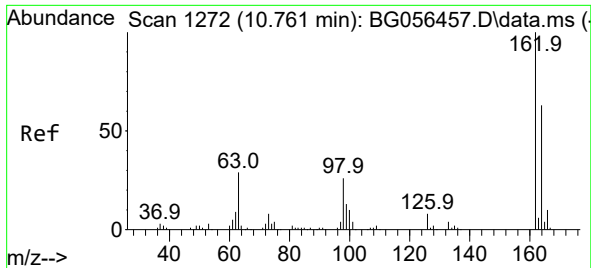
Ion Ratio Lower Upper

93 100

95 36.9 27.9 41.9

123 8.3 8.6 12.8#





#29

2,4-Dichlorophenol

Concen: 4.835 ng

RT: 10.755 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

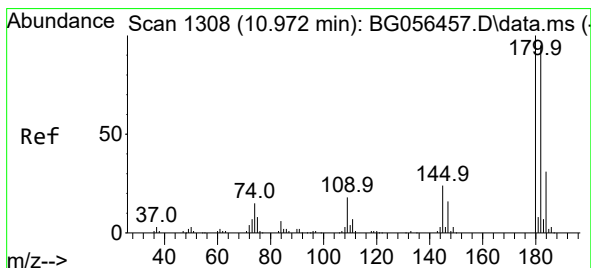
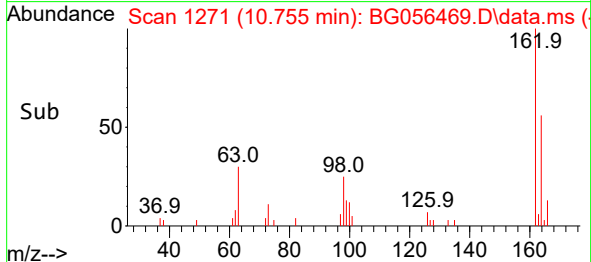
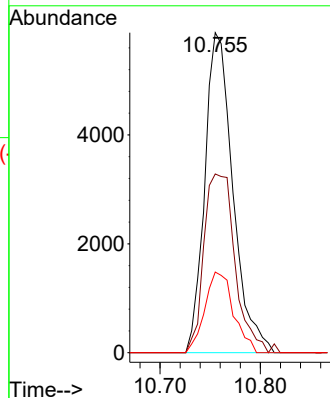
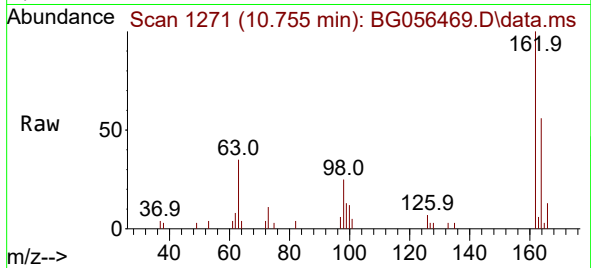
Tgt Ion:162 Resp: 11439

Ion Ratio Lower Upper

162 100

164 55.8 42.8 82.8

98 25.2 6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 5.222 ng

RT: 10.967 min Scan# 1307

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

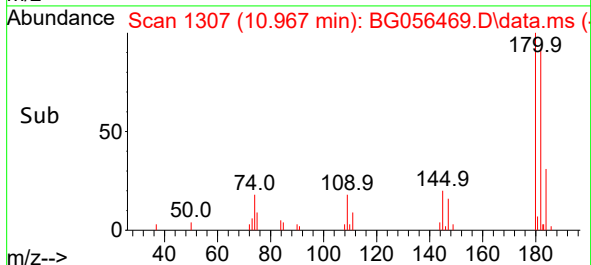
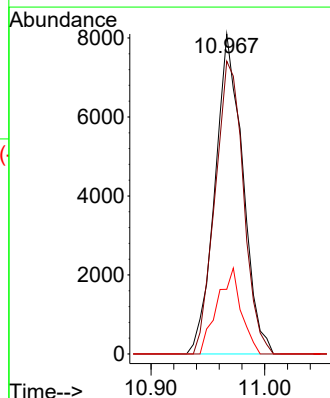
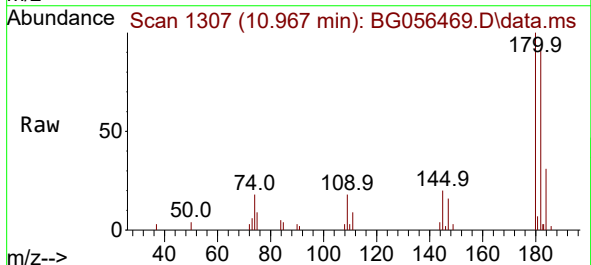
Tgt Ion:180 Resp: 13731

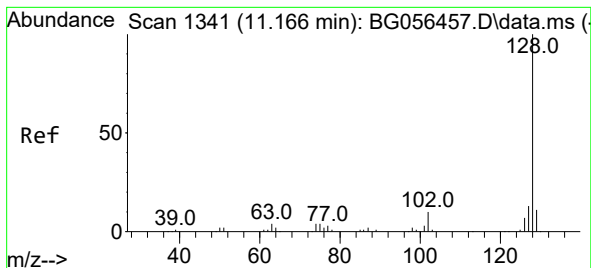
Ion Ratio Lower Upper

180 100

182 88.6 75.9 113.9

145 18.9 19.4 29.0#





#31

Naphthalene

Concen: 5.160 ng

RT: 11.160 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

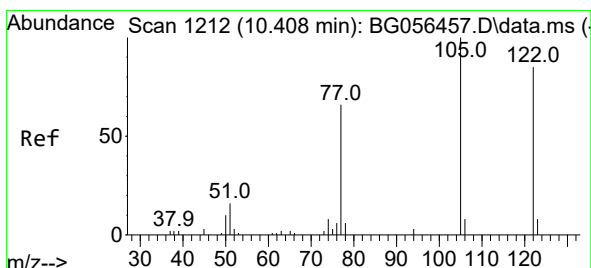
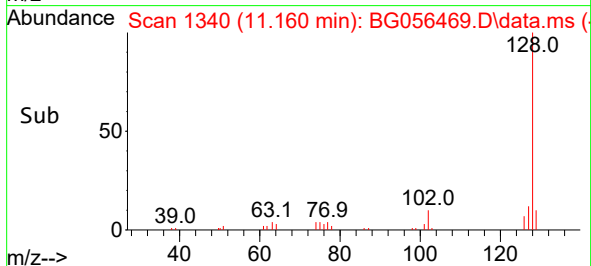
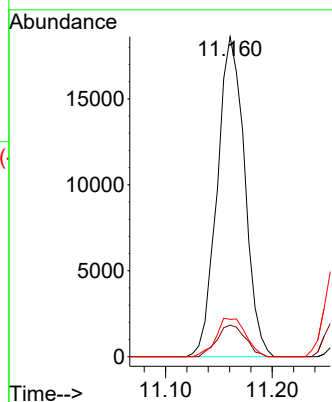
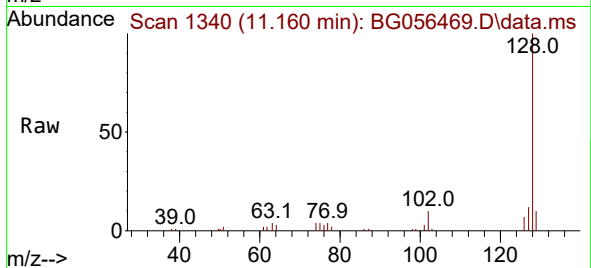
Tgt Ion:128 Resp: 33190

Ion Ratio Lower Upper

128 100

129 9.9 8.7 13.1

127 11.6 10.4 15.6



#32

Benzoic acid

Concen: 0.713 ng

RT: 10.414 min Scan# 1213

Delta R.T. 0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

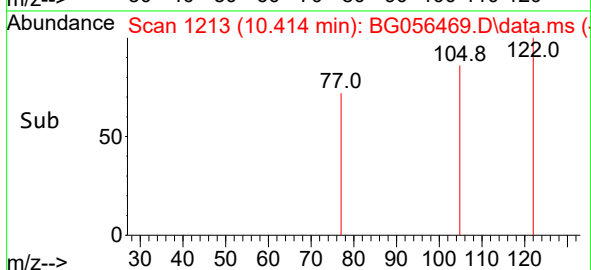
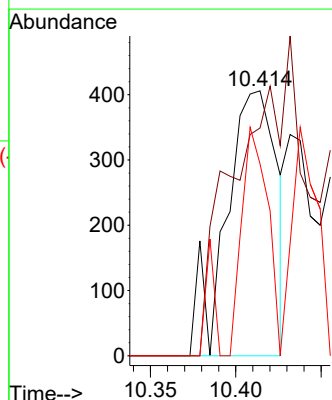
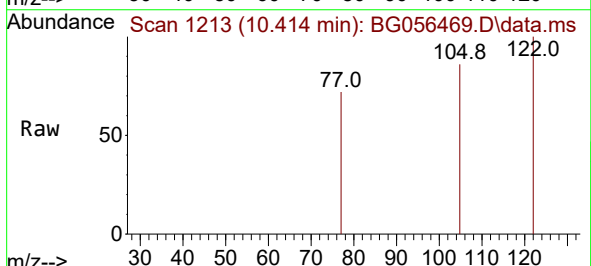
Tgt Ion:122 Resp: 838

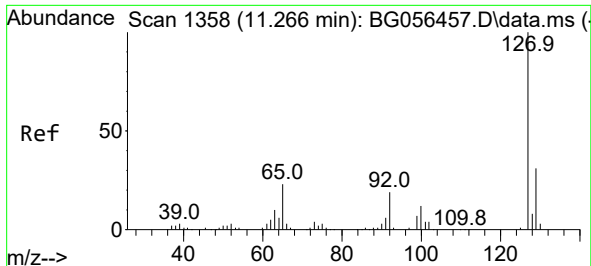
Ion Ratio Lower Upper

122 100

105 86.0 96.5 136.5#

77 72.4 57.3 97.3

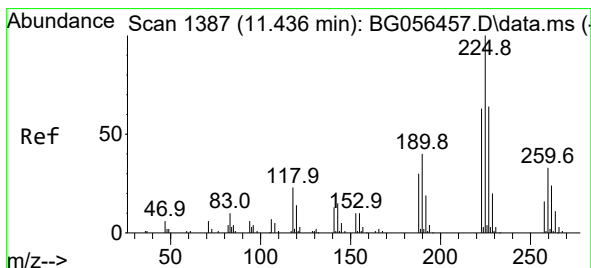
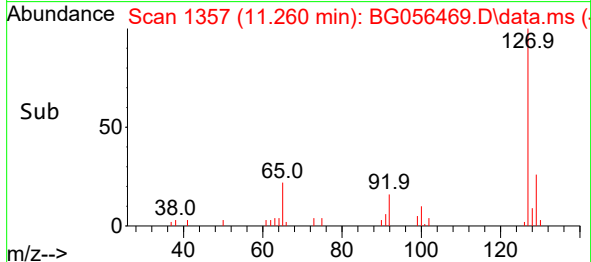
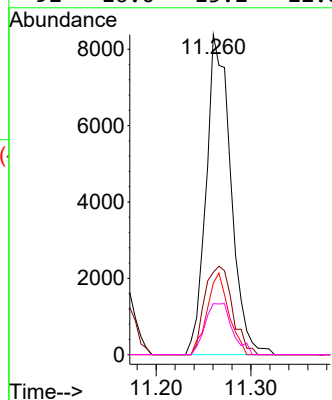
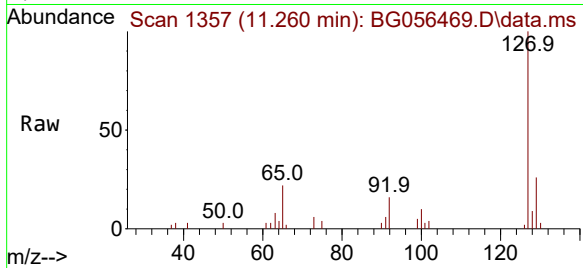




#33
4-Chloroaniline
Concen: 5.036 ng
RT: 11.260 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

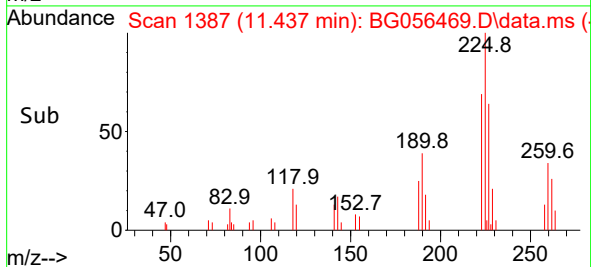
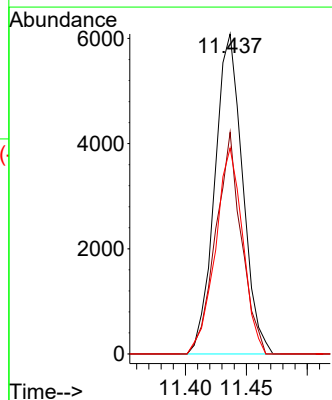
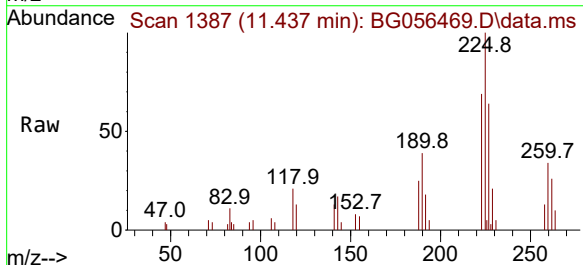
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022

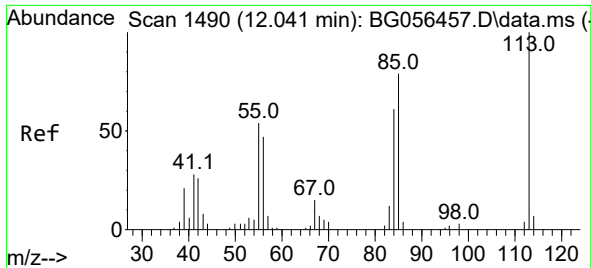
Tgt Ion:	127	Resp:	15122
Ion	Ratio	Lower	Upper
127	100		
129	25.7	25.0	37.6
65	22.4	18.5	27.7
92	16.0	15.2	22.8



#34
Hexachlorobutadiene
Concen: 5.230 ng
RT: 11.437 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:	225	Resp:	9652
Ion	Ratio	Lower	Upper
225	100		
223	65.9	50.6	75.8
227	61.2	53.7	80.5

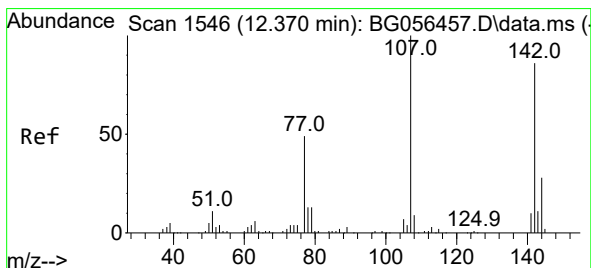
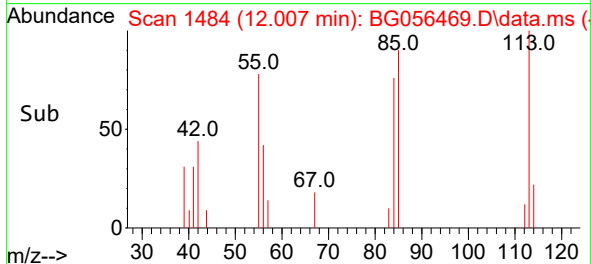
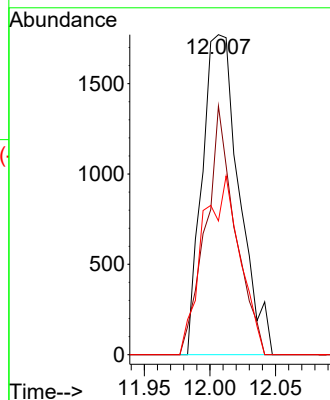
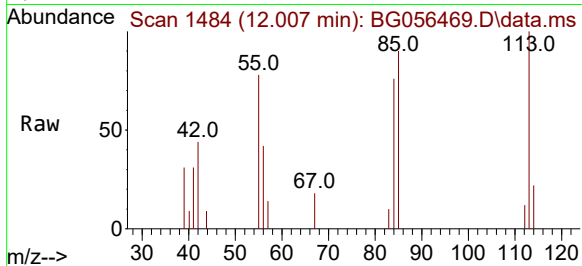




#35
Caprolactam
Concen: 4.354 ng
RT: 12.007 min Scan# 1490
Delta R.T. -0.035 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

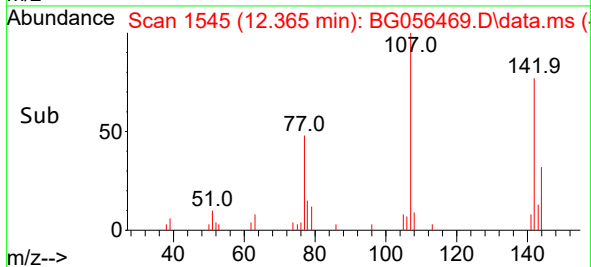
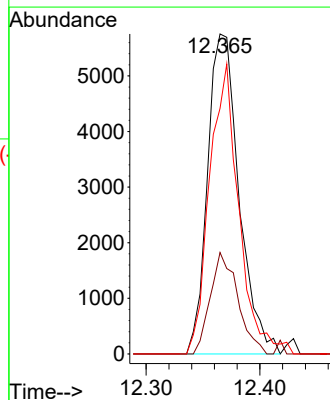
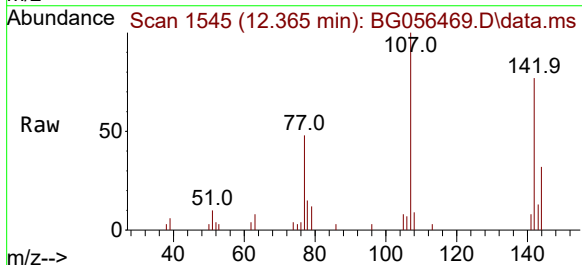
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

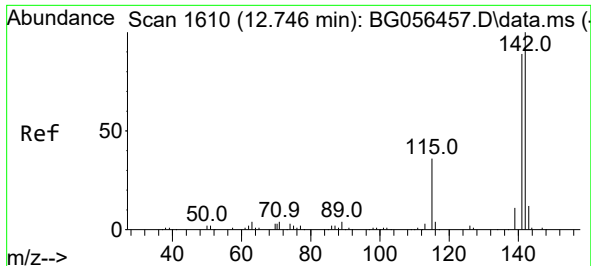
Tgt Ion:113 Resp: 3474
Ion Ratio Lower Upper
113 100
55 77.7 33.7 73.7#
56 41.8 27.1 67.1



#36
4-Chloro-3-methylphenol
Concen: 4.842 ng
RT: 12.365 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:107 Resp: 11065
Ion Ratio Lower Upper
107 100
144 31.7 22.3 33.5
142 76.7 68.9 103.3





#37

2-Methylnaphthalene

Concen: 4.748 ng

RT: 12.747 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

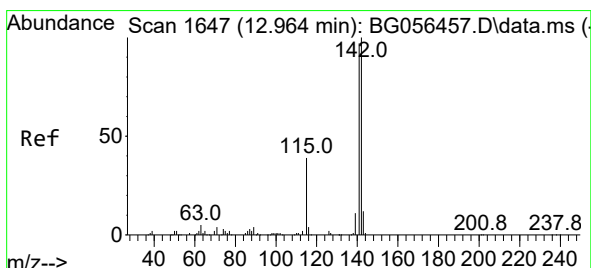
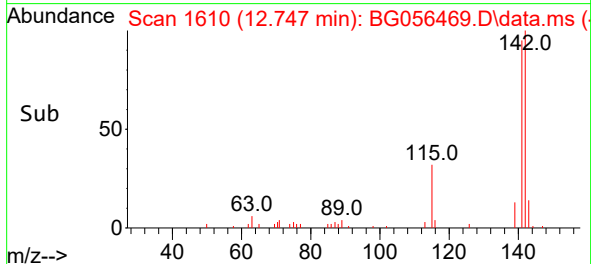
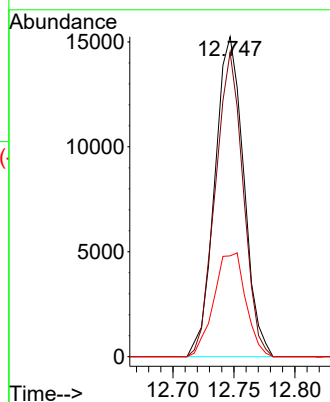
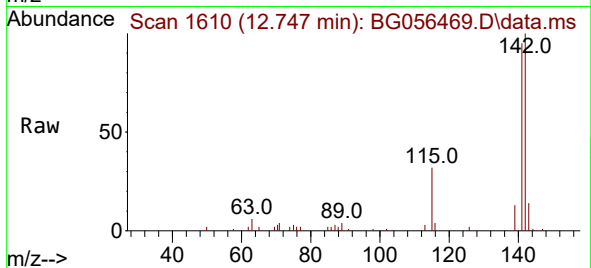
Tgt Ion:142 Resp: 25179

Ion Ratio Lower Upper

142 100

141 95.1 71.4 107.0

115 31.5 28.4 42.6



#38

1-Methylnaphthalene

Concen: 5.084 ng

RT: 12.747 min Scan# 1610

Delta R.T. -0.217 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

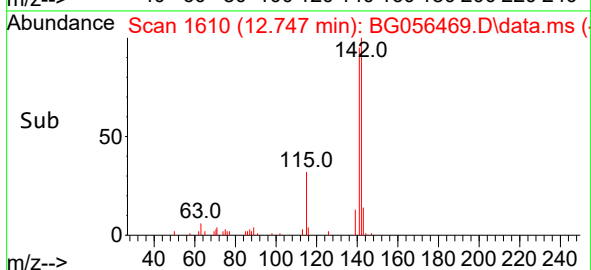
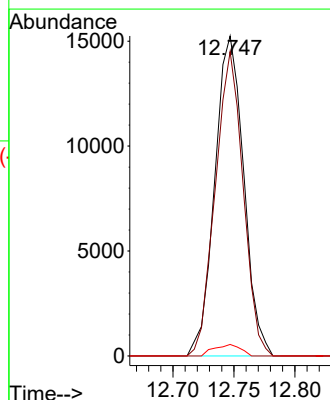
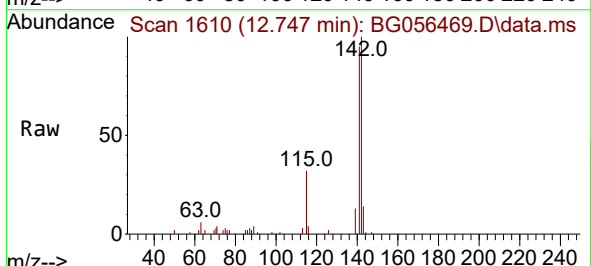
Tgt Ion:142 Resp: 25179

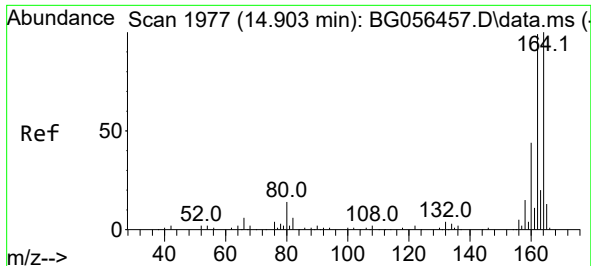
Ion Ratio Lower Upper

142 100

141 95.1 77.7 116.5

116 3.6 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.897 min Scan# 1976

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

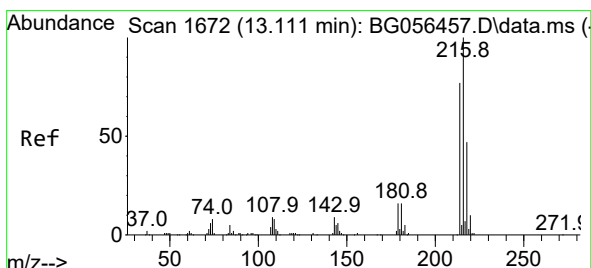
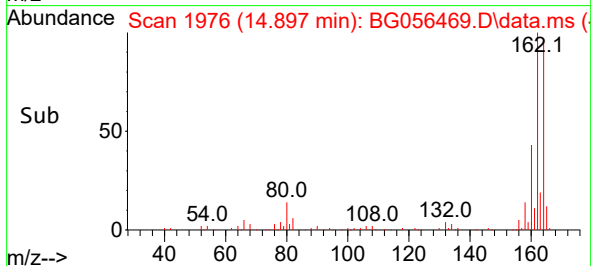
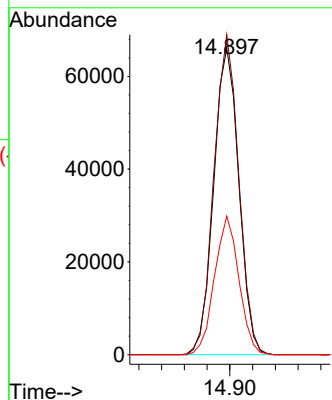
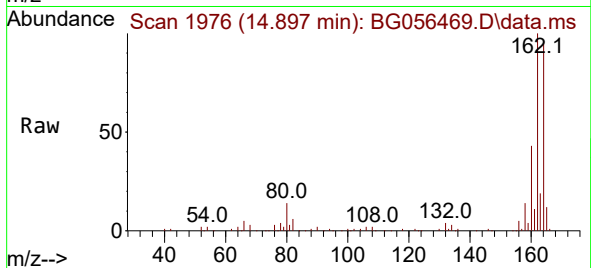
Tgt Ion:164 Resp: 101378

Ion Ratio Lower Upper

164 100

162 104.4 79.6 119.4

160 45.2 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.029 ng

RT: 13.105 min Scan# 1671

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Tgt Ion:216 Resp: 18626

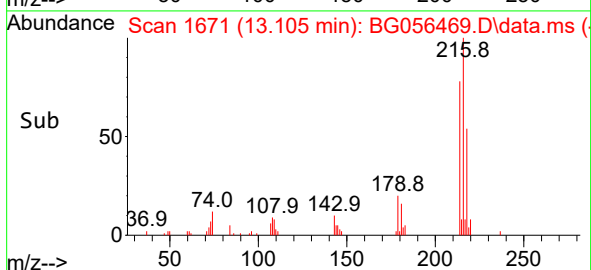
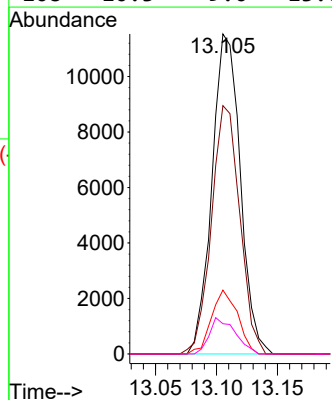
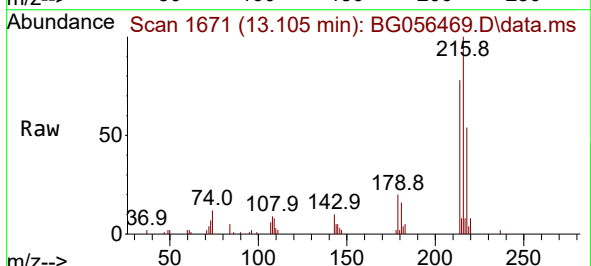
Ion Ratio Lower Upper

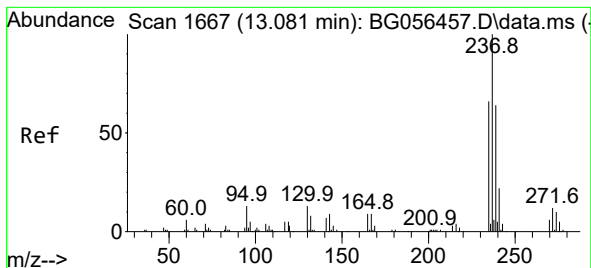
216 100

214 77.5 63.0 94.6

179 18.5 14.1 21.1

108 10.3 9.0 13.6





#41

Hexachlorocyclopentadiene

Concen: 8.239 ng

RT: 13.082 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

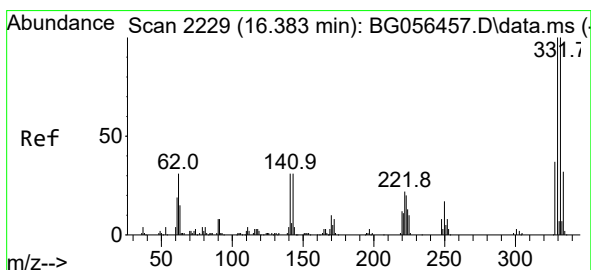
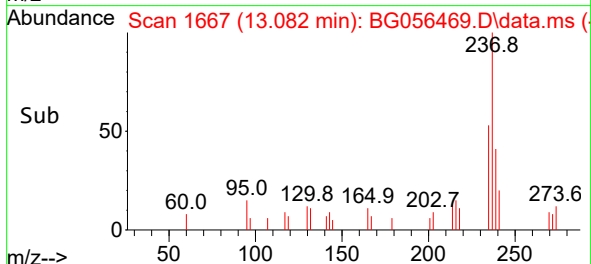
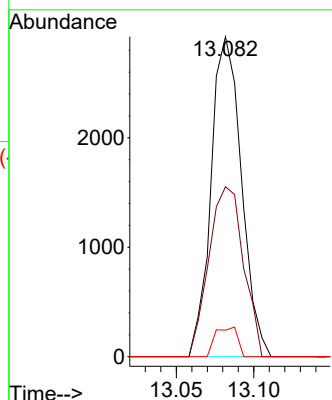
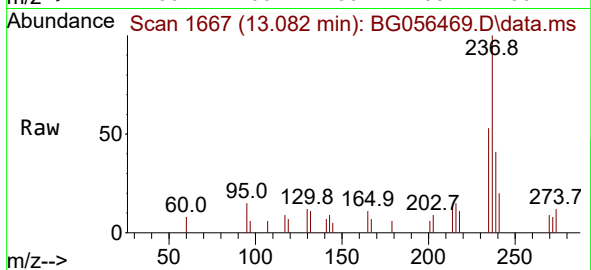
Tgt Ion:237 Resp: 3983

Ion Ratio Lower Upper

237 100

235 53.1 45.6 85.6

272 8.3 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 114.943 ng

RT: 16.378 min Scan# 2228

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

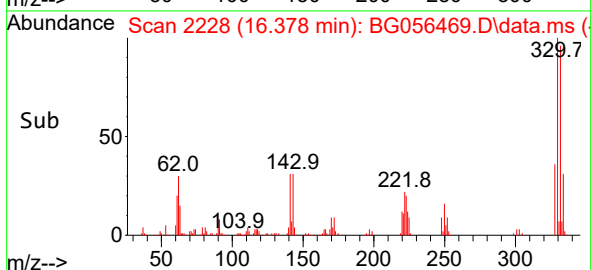
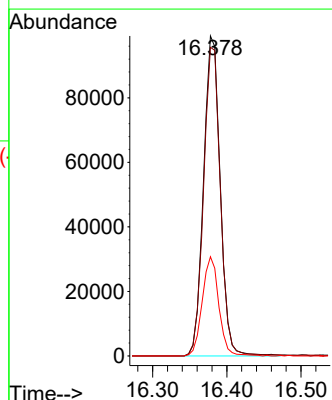
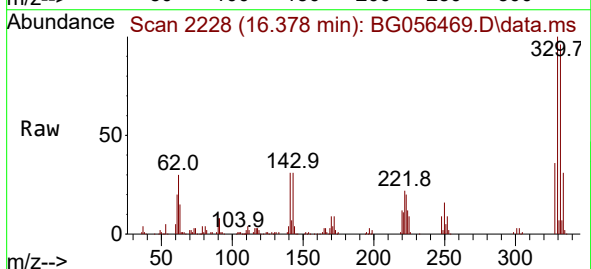
Tgt Ion:330 Resp: 154915

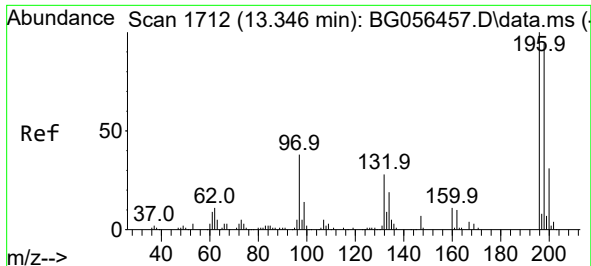
Ion Ratio Lower Upper

330 100

332 97.5 79.0 118.6

141 30.8 24.2 36.4

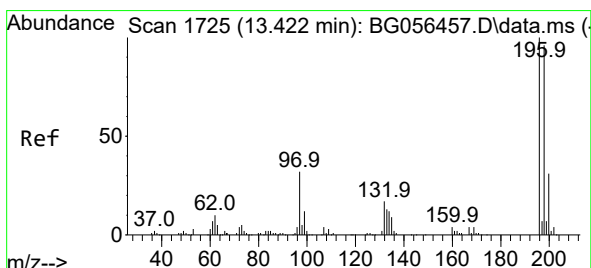
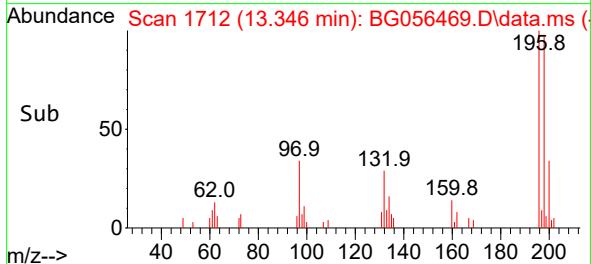
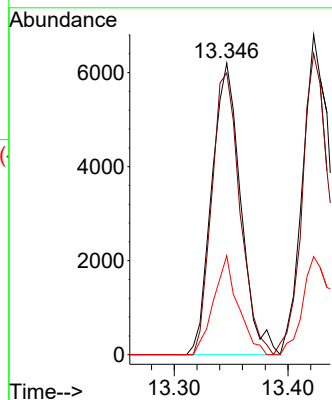
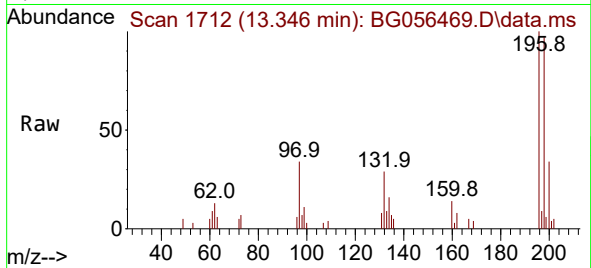




#43
2,4,6-Trichlorophenol
Concen: 4.592 ng
RT: 13.346 min Scan# 1712
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

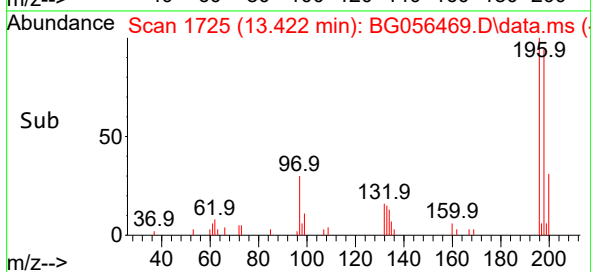
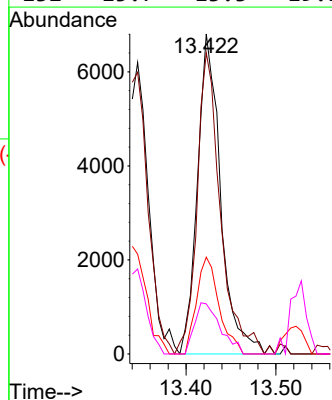
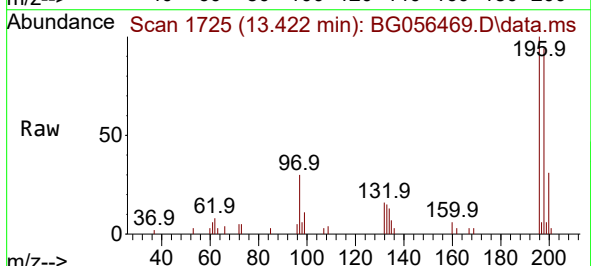
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

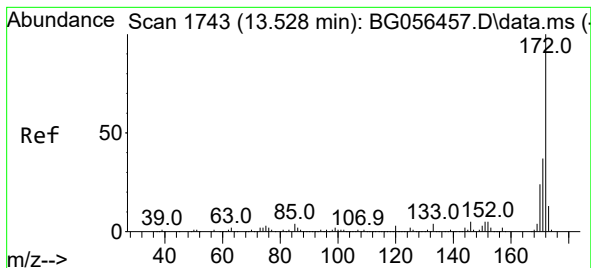
Tgt Ion:196 Resp: 10960
Ion Ratio Lower Upper
196 100
198 102.3 75.4 113.0
200 34.0 25.0 37.6



#44
2,4,5-Trichlorophenol
Concen: 4.380 ng
RT: 13.422 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:196 Resp: 12240
Ion Ratio Lower Upper
196 100
198 94.1 76.9 115.3
97 30.3 25.8 38.6
132 15.7 13.3 19.9





#45

2-Fluorobiphenyl

Concen: 75.038 ng

RT: 13.522 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

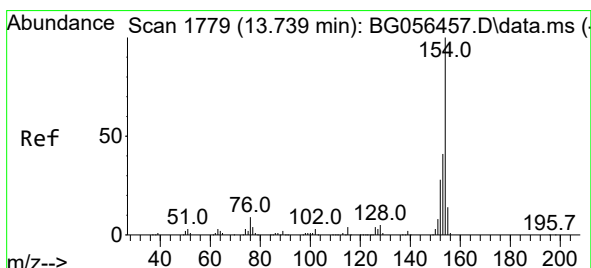
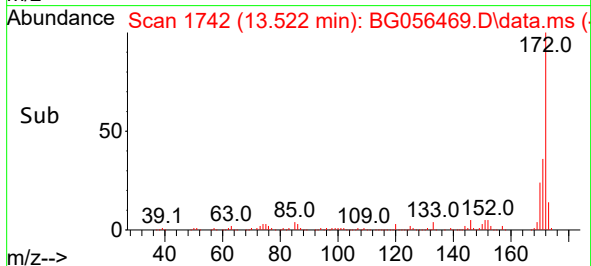
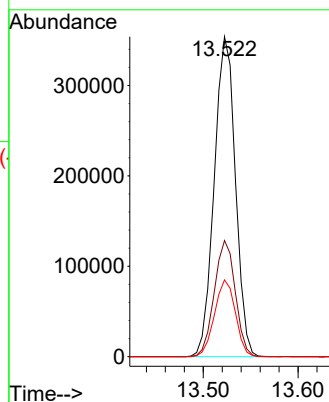
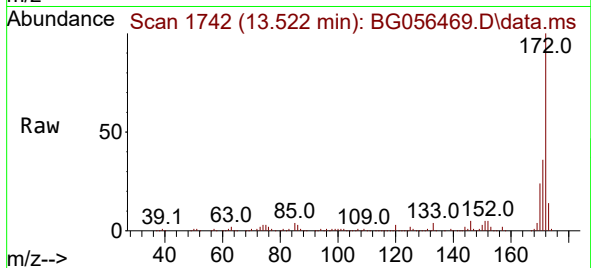
Tgt Ion:172 Resp: 548690

Ion Ratio Lower Upper

172 100

171 36.3 29.5 44.3

170 24.0 19.2 28.8



#46

1,1'-Biphenyl

Concen: 5.141 ng

RT: 13.734 min Scan# 1778

Delta R.T. -0.005 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

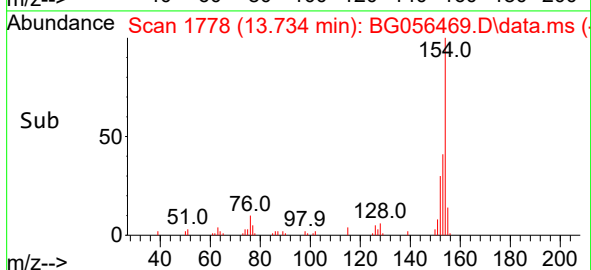
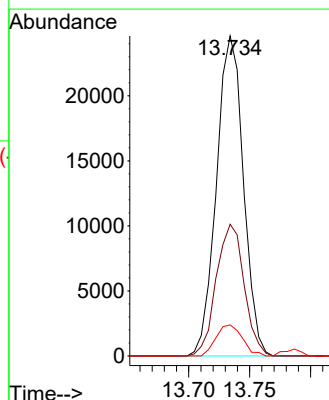
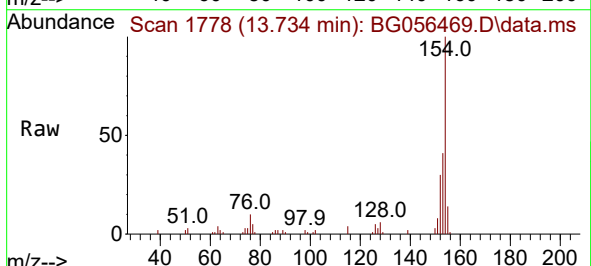
Tgt Ion:154 Resp: 37801

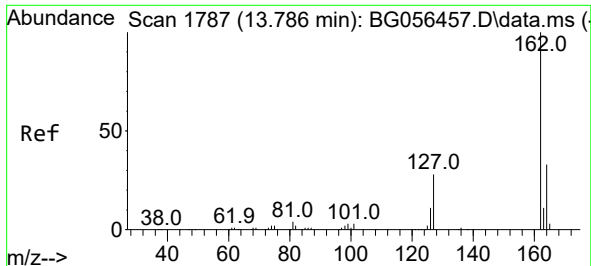
Ion Ratio Lower Upper

154 100

153 41.1 21.5 61.5

76 9.7 0.0 28.8

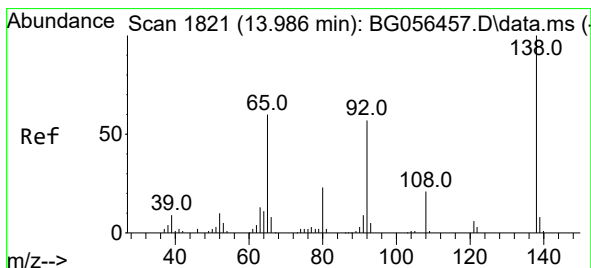
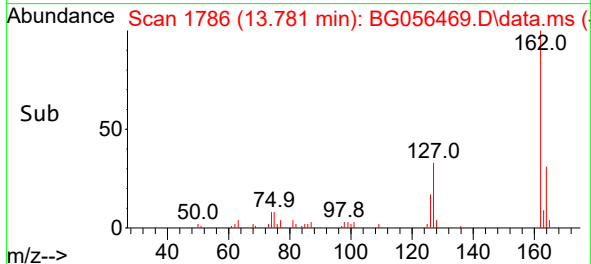
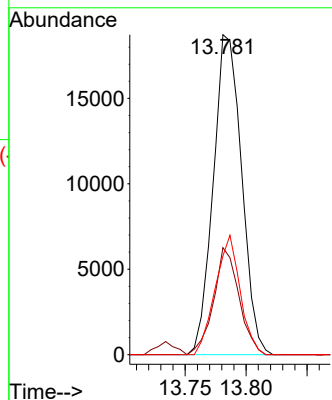
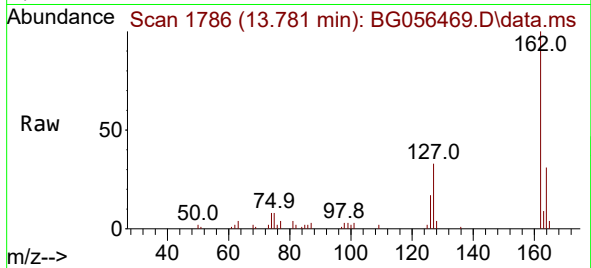




#47
2-Chloronaphthalene
Concen: 5.267 ng
RT: 13.781 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

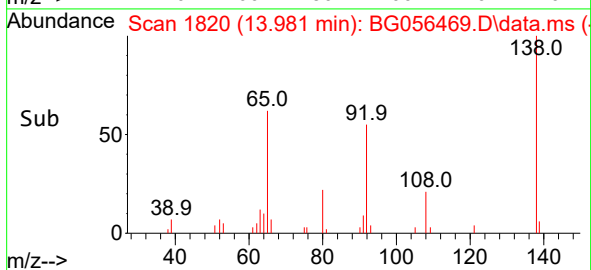
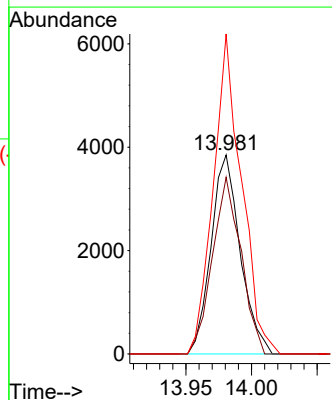
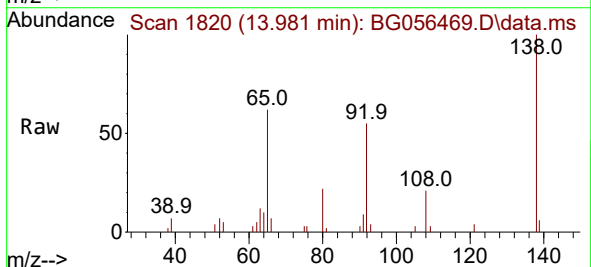
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

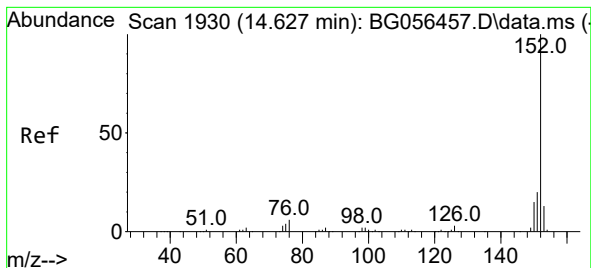
Tgt Ion:162 Resp: 30274
Ion Ratio Lower Upper
162 100
127 33.5 25.2 37.8
164 30.9 26.2 39.2



#48
2-Nitroaniline
Concen: 5.014 ng
RT: 13.981 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 65 Resp: 5957
Ion Ratio Lower Upper
65 100
92 88.8 75.8 113.6
138 160.8 133.2 199.8





#49

Acenaphthylene

Concen: 4.989 ng

RT: 14.621 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BG056469.D

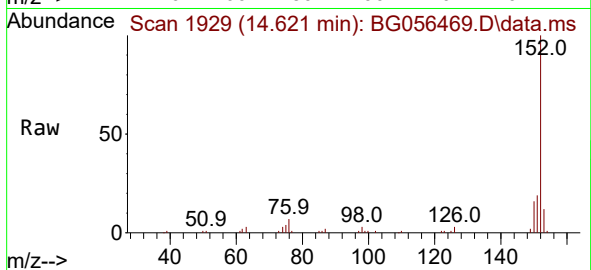
Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022



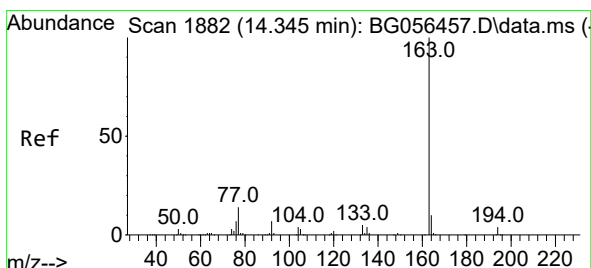
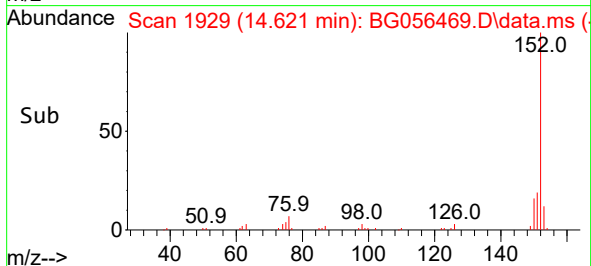
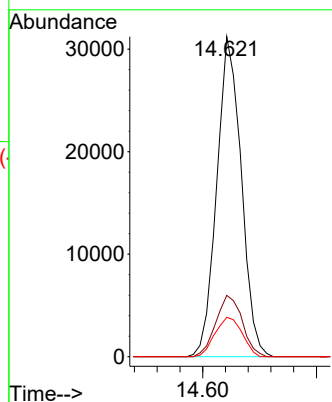
Tgt Ion:152 Resp: 46649

Ion Ratio Lower Upper

152 100

151 19.2 15.9 23.9

153 12.3 10.5 15.7



#50

Dimethylphthalate

Concen: 4.925 ng

RT: 14.333 min Scan# 1880

Delta R.T. -0.011 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

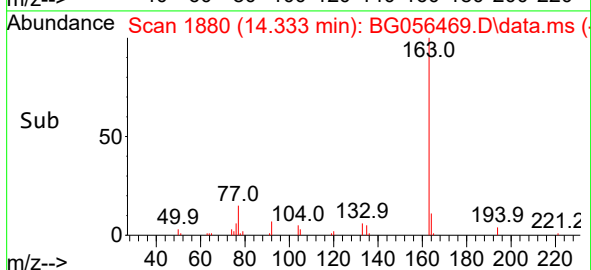
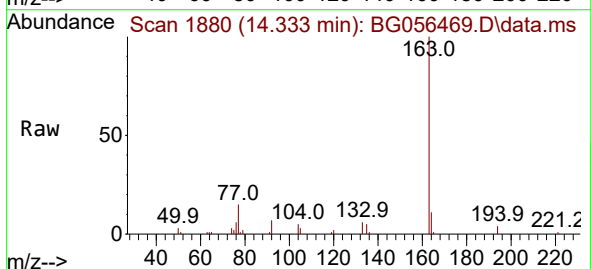
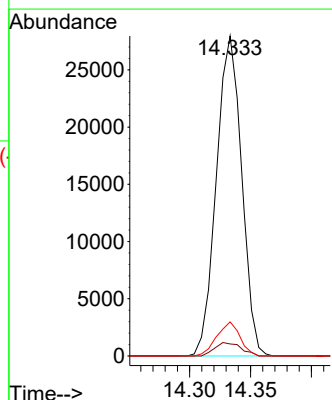
Tgt Ion:163 Resp: 40392

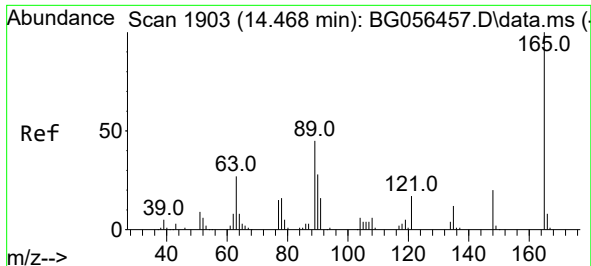
Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

164 10.6 8.1 12.1

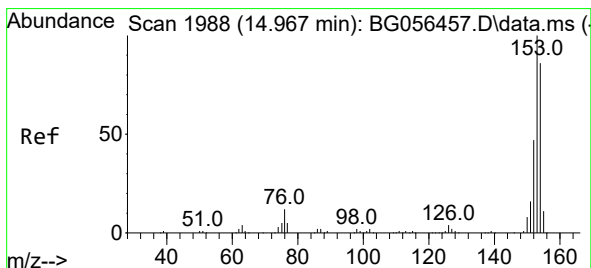
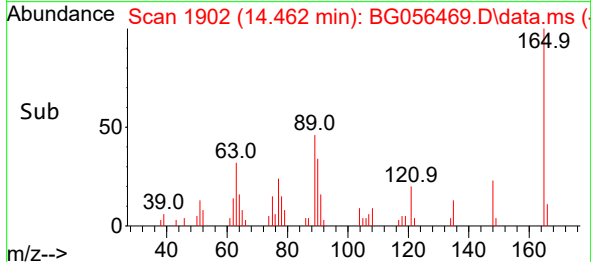
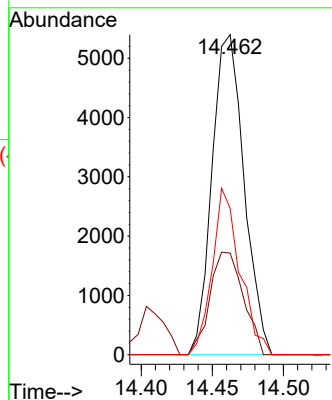
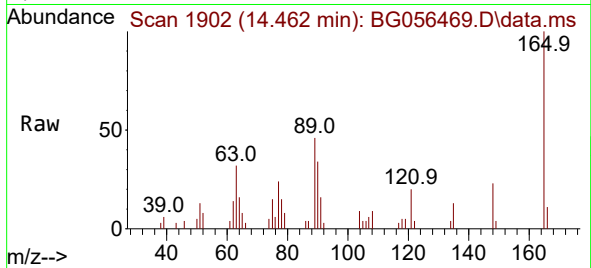




#51
2,6-Dinitrotoluene
Concen: 4.733 ng
RT: 14.462 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

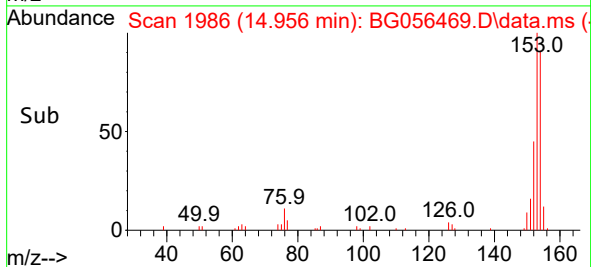
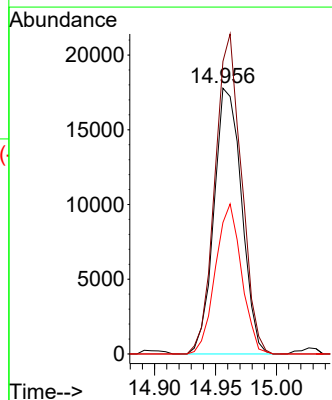
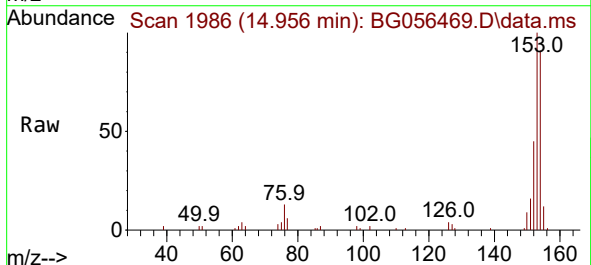
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

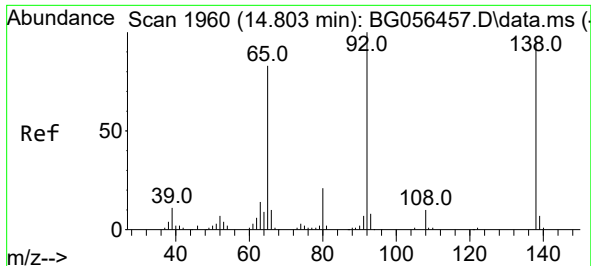
Tgt Ion:165 Resp: 8466
Ion Ratio Lower Upper
165 100
63 31.8 26.9 40.3
89 45.8 35.6 53.4



#52
Acenaphthene
Concen: 5.051 ng
RT: 14.956 min Scan# 1986
Delta R.T. -0.011 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

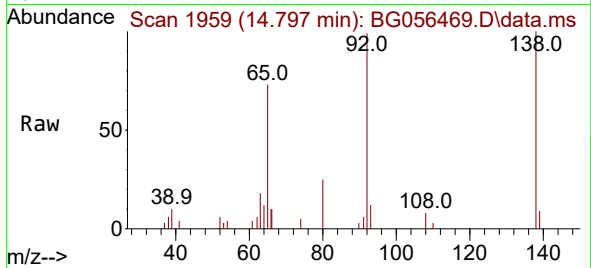
Tgt Ion:154 Resp: 28010
Ion Ratio Lower Upper
154 100
153 110.1 93.4 140.0
152 49.5 43.4 65.2



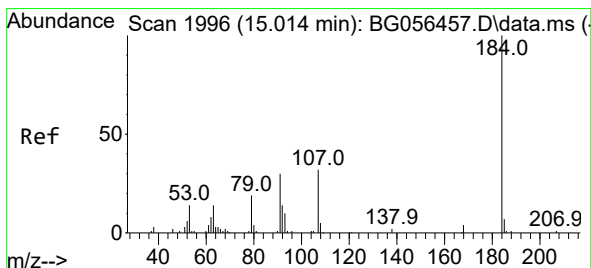
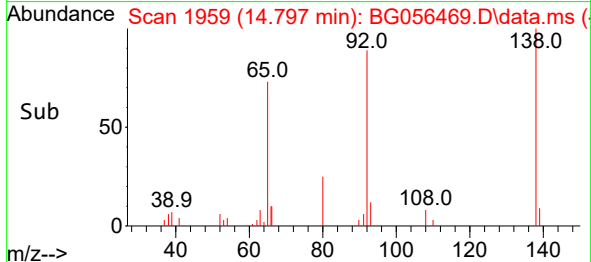
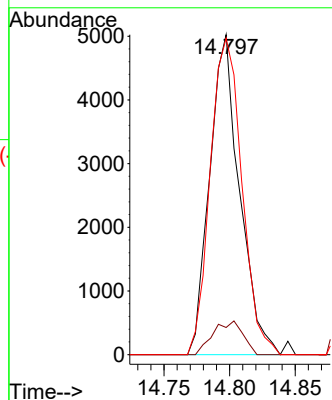


#53
3-Nitroaniline
Concen: 4.592 ng
RT: 14.797 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

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

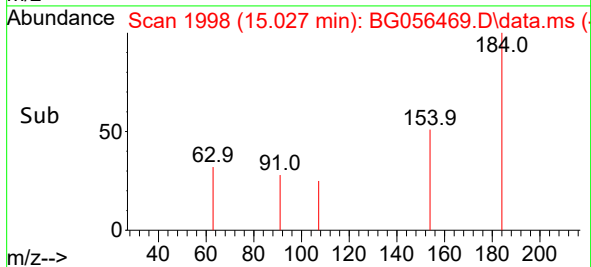
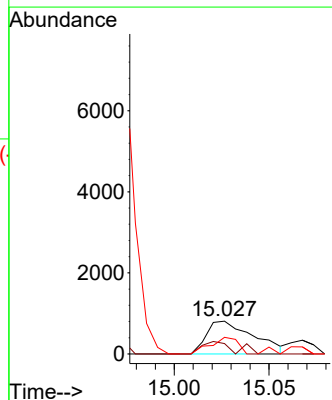
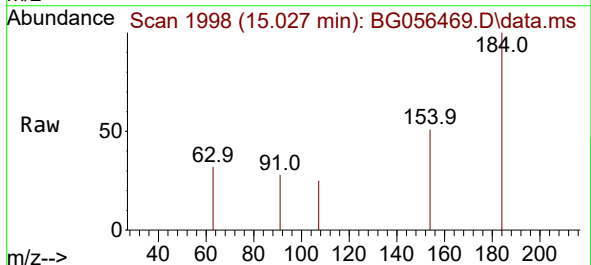


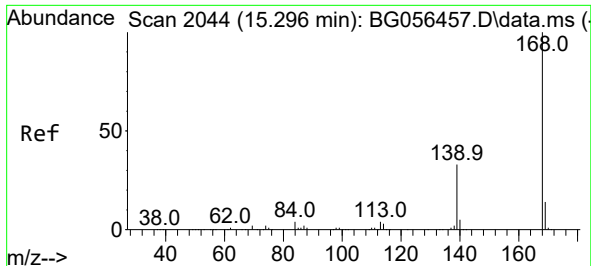
Tgt Ion:138 Resp: 7963
Ion Ratio Lower Upper
138 100
108 8.5 8.0 12.0
92 98.9 84.1 126.1



#54
2,4-Dinitrophenol
Concen: 1.239 ng
RT: 15.027 min Scan# 1998
Delta R.T. 0.013 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:184 Resp: 1389
Ion Ratio Lower Upper
184 100
63 31.8 25.1 37.7
154 50.6 44.8 67.2

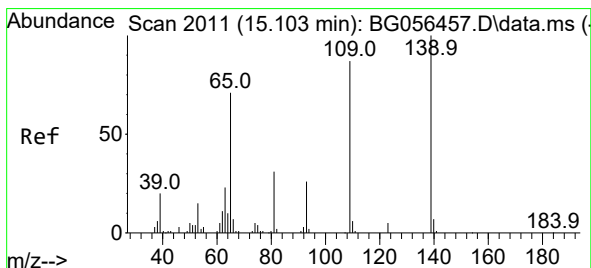
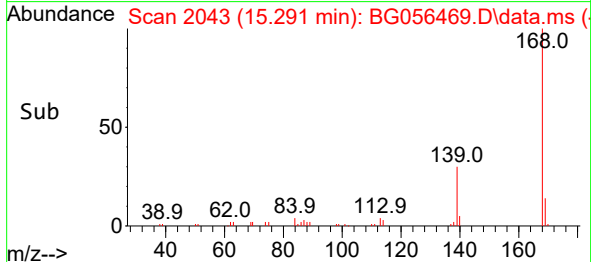
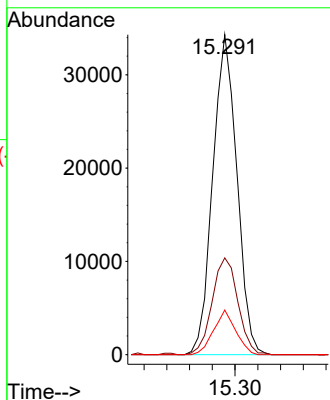
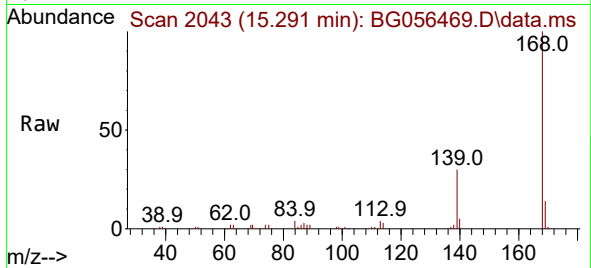




#55
Dibenzofuran
Concen: 5.083 ng
RT: 15.291 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

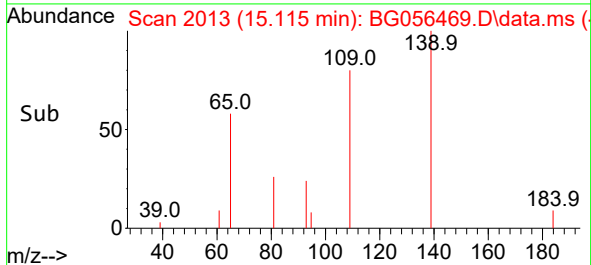
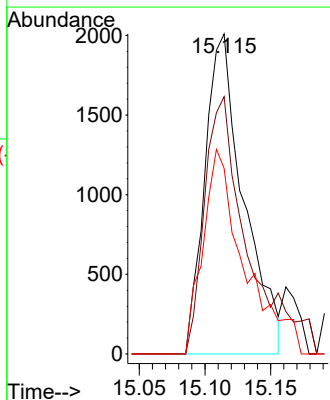
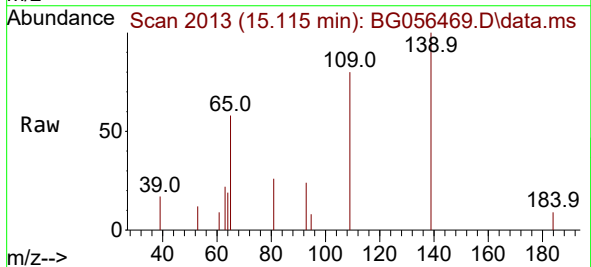
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

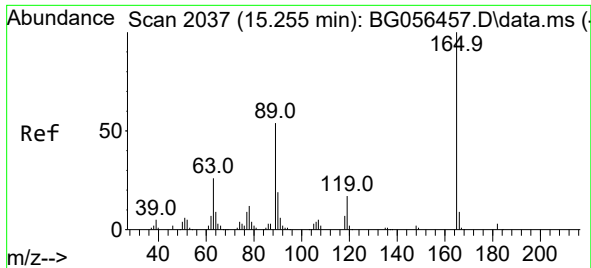
Tgt Ion:168 Resp: 50547
Ion Ratio Lower Upper
168 100
139 30.3 26.2 39.2
169 14.0 11.0 16.6



#56
4-Nitrophenol
Concen: 3.492 ng
RT: 15.115 min Scan# 2013
Delta R.T. 0.012 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:139 Resp: 4137
Ion Ratio Lower Upper
139 100
109 80.4 67.5 107.5
65 58.0 50.7 90.7

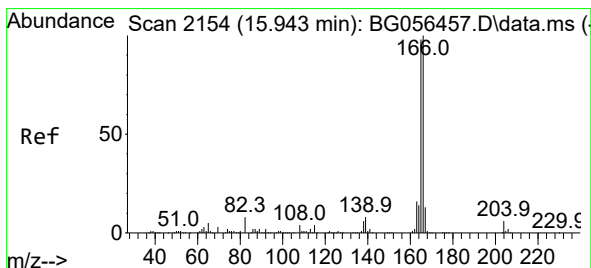
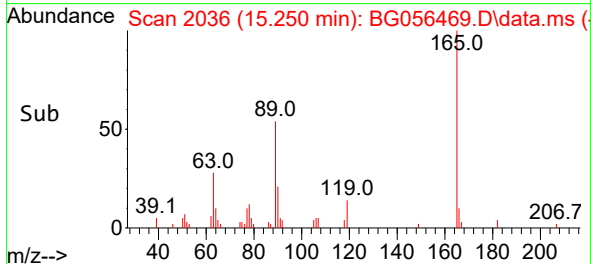
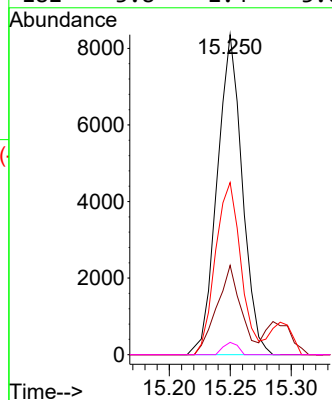
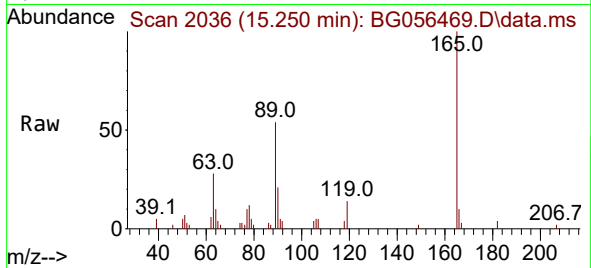




#57
2,4-Dinitrotoluene
Concen: 4.750 ng
RT: 15.250 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

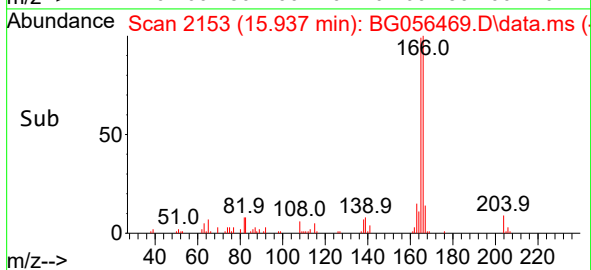
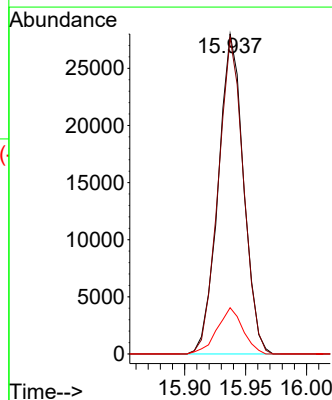
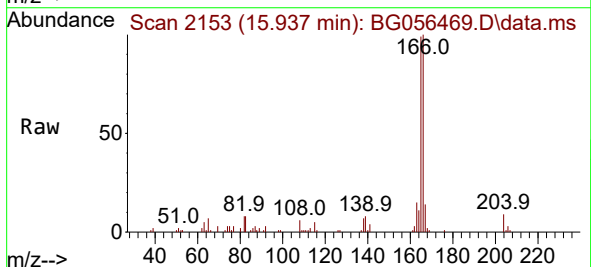
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

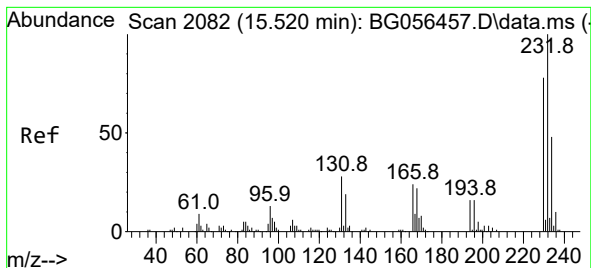
Tgt Ion:	165	Resp:	11967
Ion	Ratio	Lower	Upper
165	100		
63	27.9	20.6	31.0
89	53.8	43.1	64.7
182	3.8	2.4	3.6



#58
Fluorene
Concen: 5.113 ng
RT: 15.937 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:	166	Resp:	40464
Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.8	118.2
167	14.4	10.6	15.8

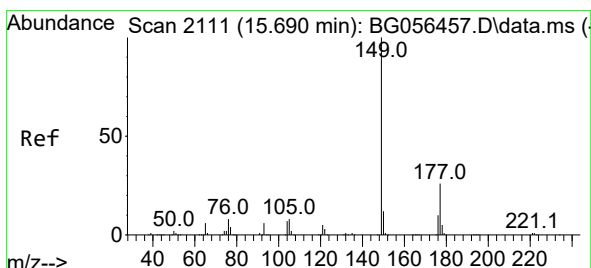
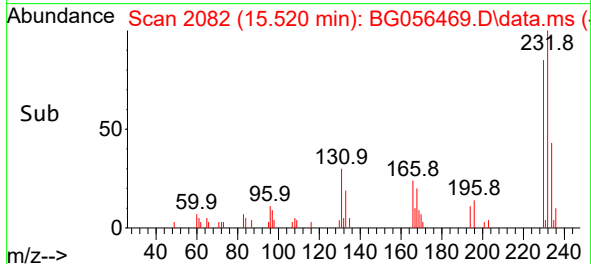
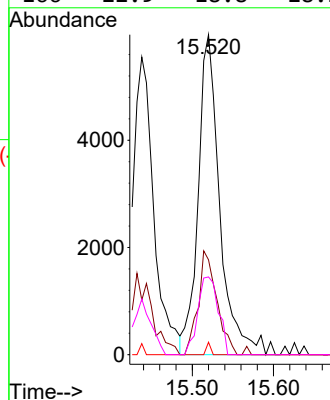
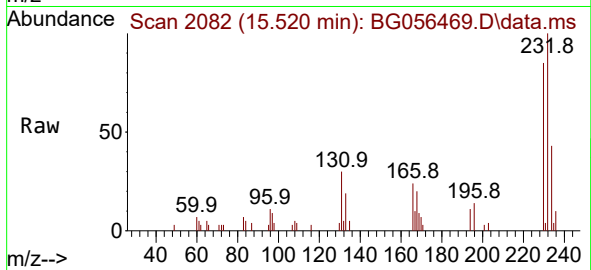




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.466 ng
RT: 15.520 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

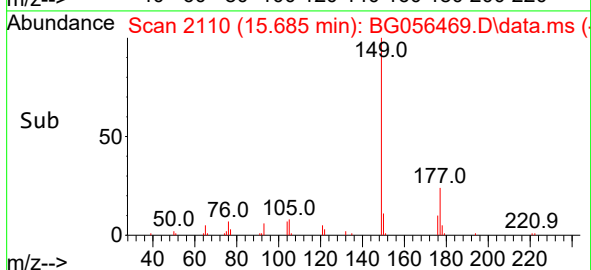
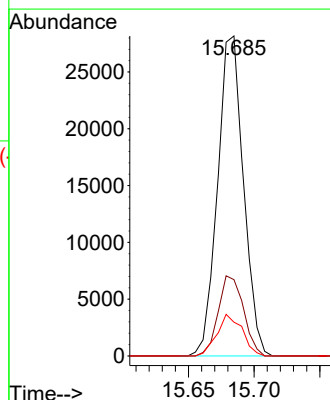
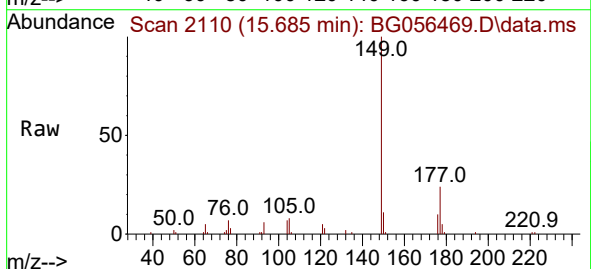
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

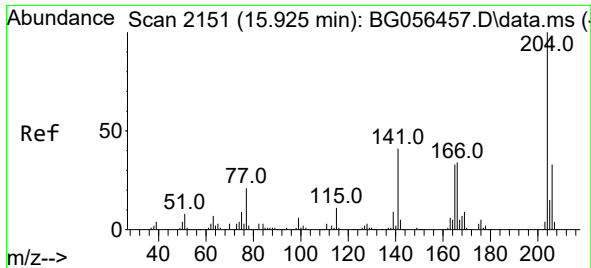
Tgt Ion:232 Resp: 11097
Ion Ratio Lower Upper
232 100
131 27.9 22.8 34.2
130 0.7 1.4 2.0#
166 22.9 18.8 28.2



#60
Diethylphthalate
Concen: 5.013 ng
RT: 15.685 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:149 Resp: 38606
Ion Ratio Lower Upper
149 100
177 23.8 21.0 31.4
150 10.6 9.9 14.9

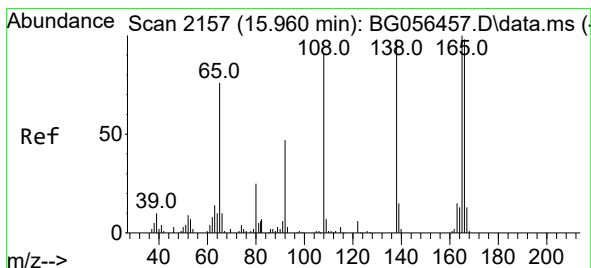
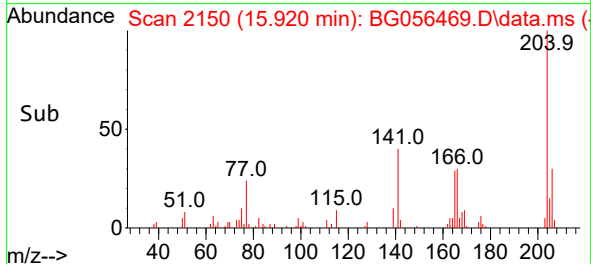
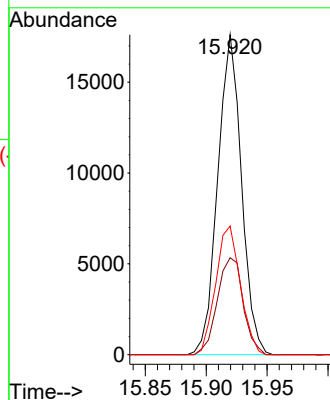
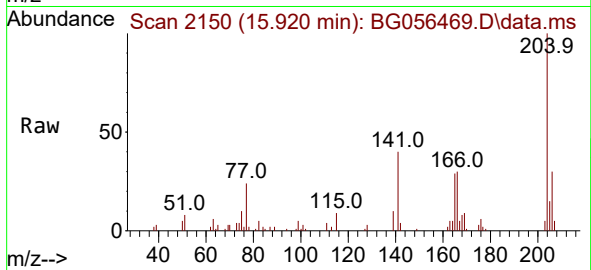




#61
4-Chlorophenyl-phenylether
Concen: 4.943 ng
RT: 15.920 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

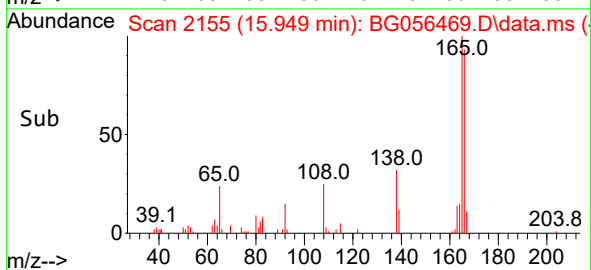
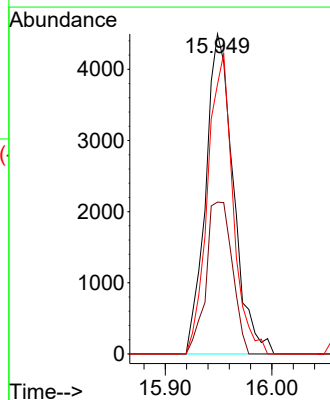
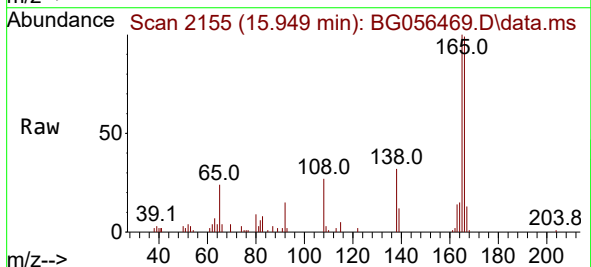
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

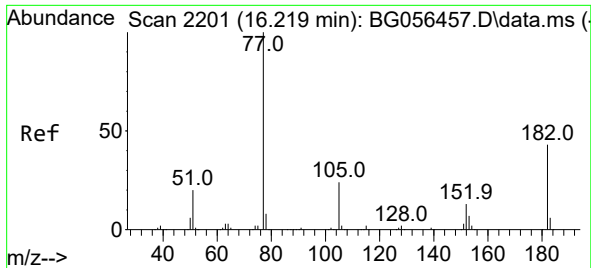
Tgt Ion:204 Resp: 23870
Ion Ratio Lower Upper
204 100
206 30.3 26.2 39.4
141 40.2 32.7 49.1



#62
4-Nitroaniline
Concen: 4.683 ng
RT: 15.949 min Scan# 2155
Delta R.T. -0.011 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:138 Resp: 8126
Ion Ratio Lower Upper
138 100
92 47.4 27.8 67.8
108 84.2 72.6 112.6

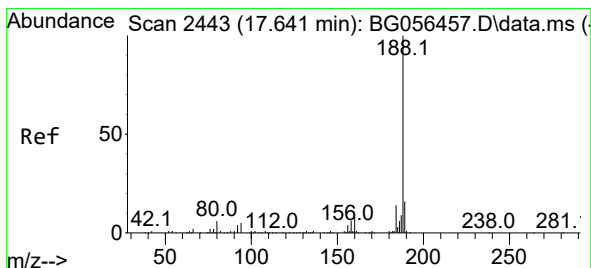
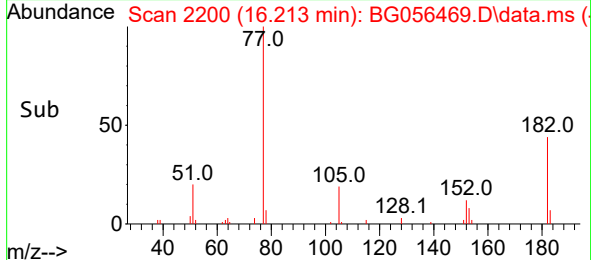
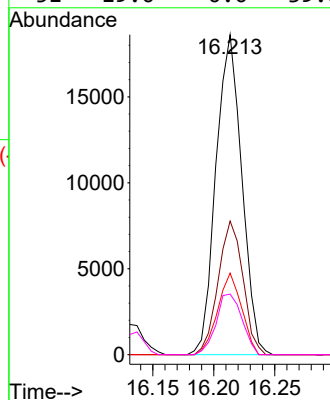
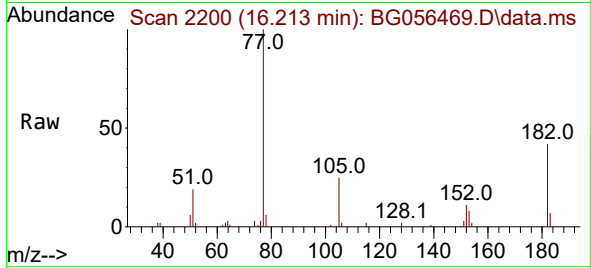




#63
Azobenzene
Concen: 5.172 ng
RT: 16.213 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

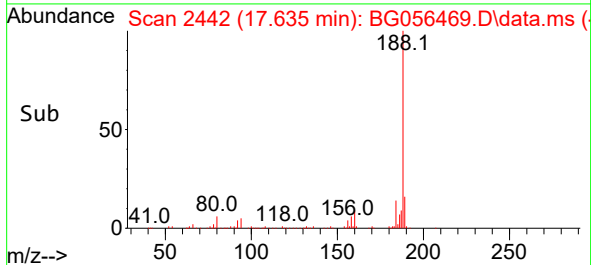
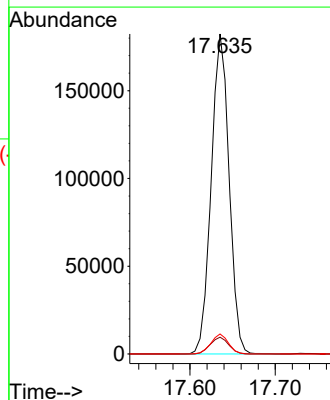
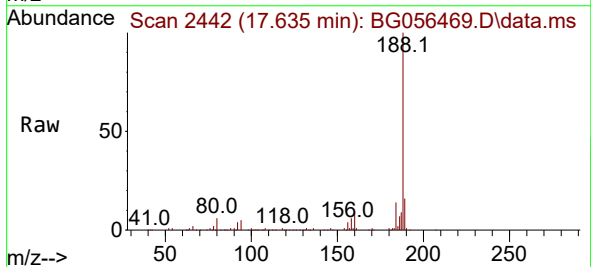
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

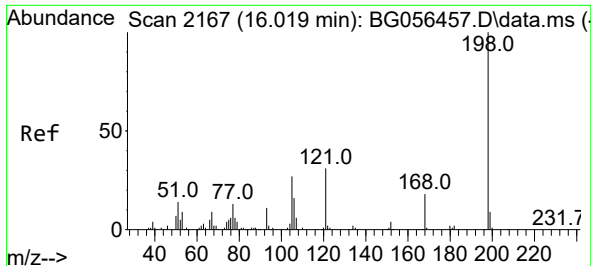
Tgt Ion: 77	Resp: 27407
Ion Ratio	Lower Upper
77 100	
182 41.7	23.1 63.1
105 25.5	4.2 44.2
51 19.0	0.0 39.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.635 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 188	Resp: 265860
Ion Ratio	Lower Upper
188 100	
94 5.2	4.1 6.1
80 6.2	5.0 7.4

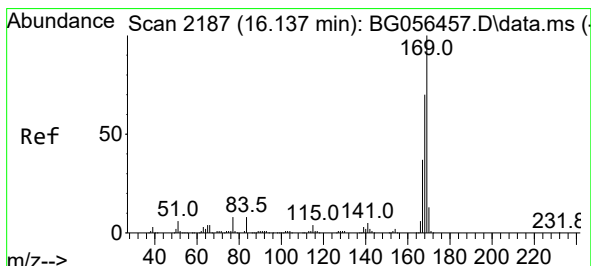
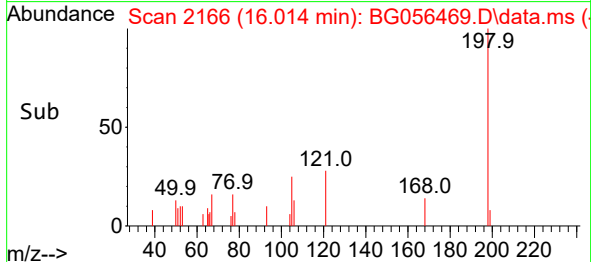
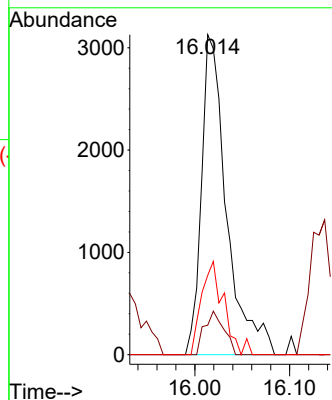
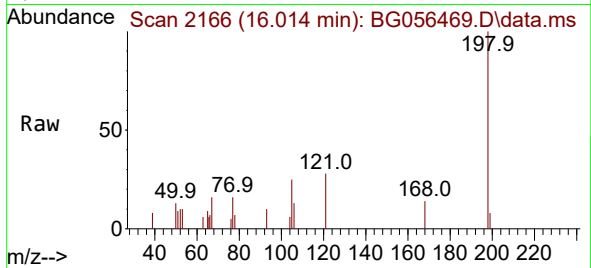




#65
4,6-Dinitro-2-methylphenol
Concen: 3.071 ng
RT: 16.014 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

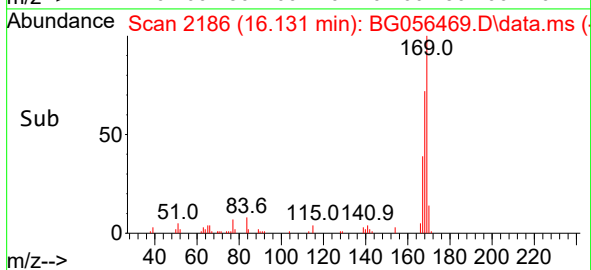
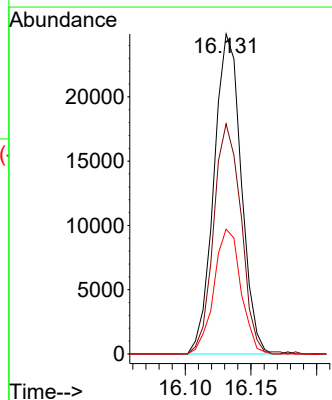
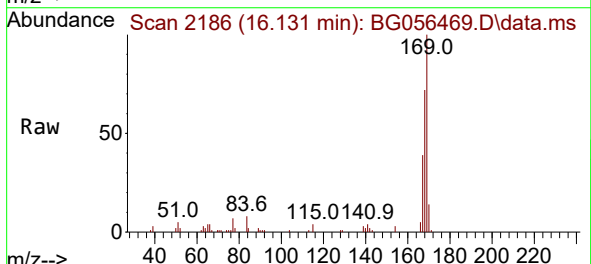
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

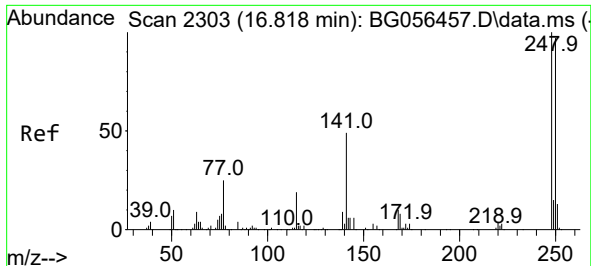
Tgt Ion:198 Resp: 5740
Ion Ratio Lower Upper
198 100
51 9.2 0.0 35.0
105 24.8 7.4 47.4



#66
n-Nitrosodiphenylamine
Concen: 4.777 ng
RT: 16.131 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:169 Resp: 35957
Ion Ratio Lower Upper
169 100
168 71.9 55.8 83.6
167 39.0 29.8 44.8





#67

4-Bromophenyl-phenylether

Concen: 4.830 ng

RT: 16.813 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

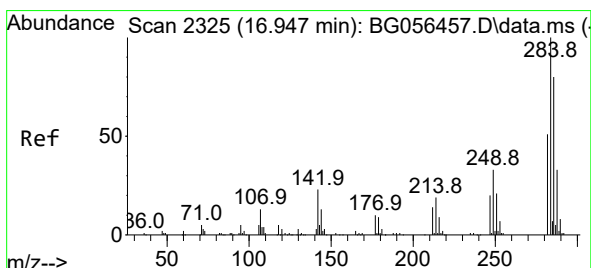
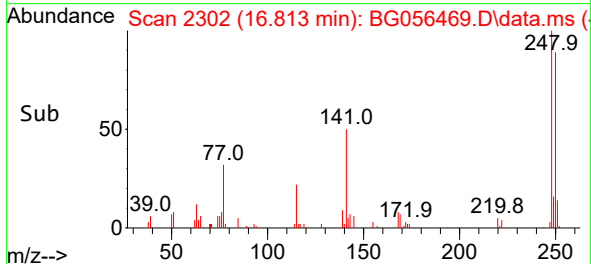
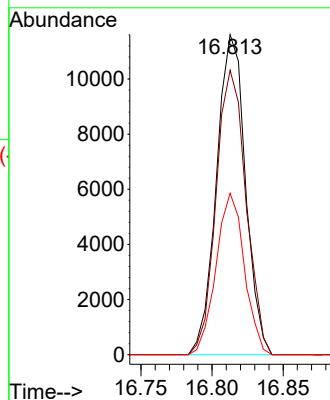
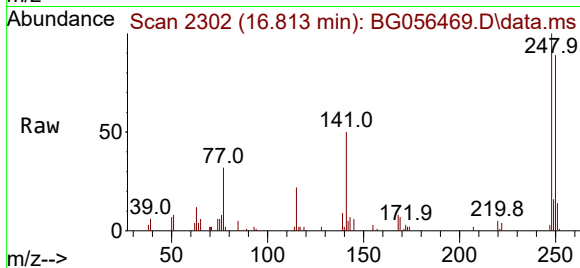
Tgt Ion:248 Resp: 16439

Ion Ratio Lower Upper

248 100

250 88.9 77.6 116.4

141 50.4 39.0 58.4



#68

Hexachlorobenzene

Concen: 5.226 ng

RT: 16.942 min Scan# 2324

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

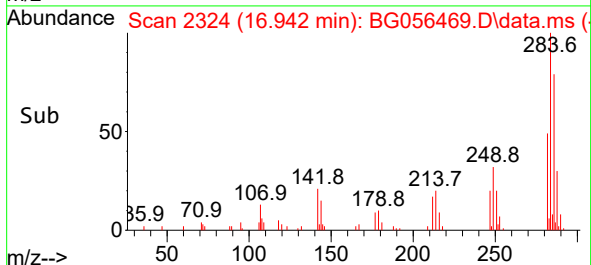
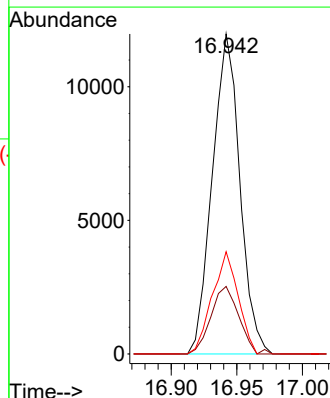
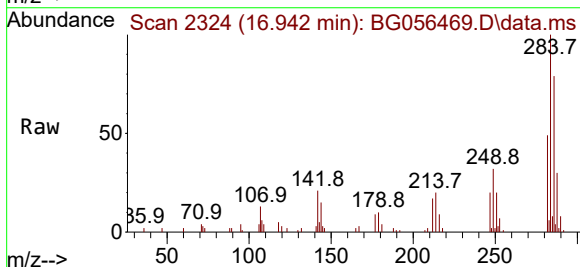
Tgt Ion:284 Resp: 17421

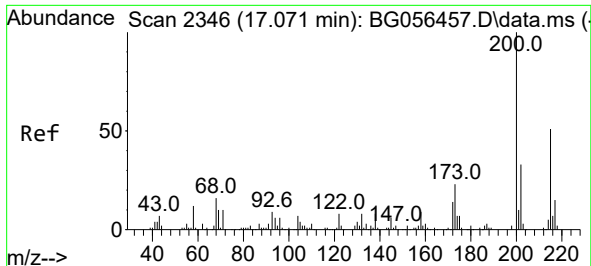
Ion Ratio Lower Upper

284 100

142 21.1 18.0 27.0

249 32.0 26.7 40.1

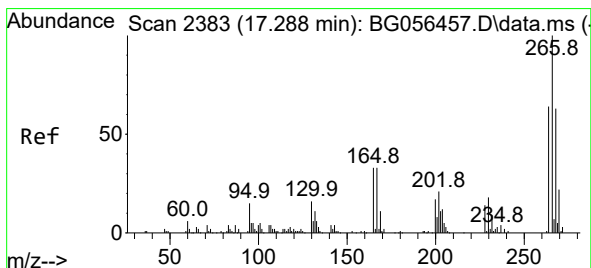
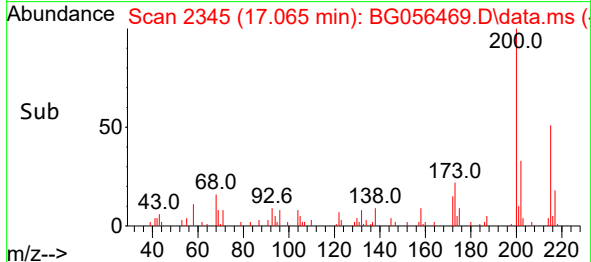
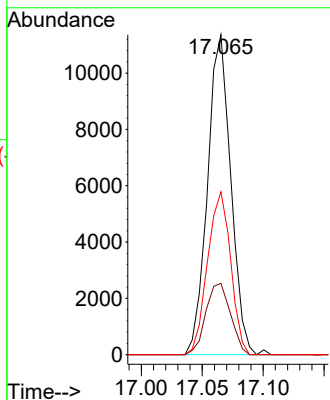
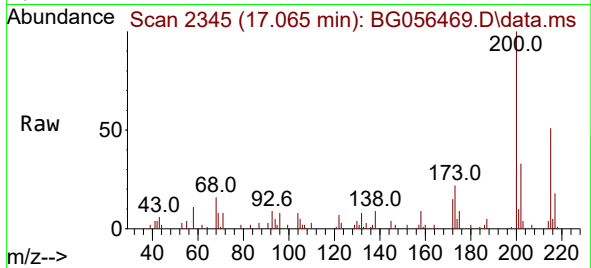




#69
 Atrazine
 Concen: 5.217 ng
 RT: 17.065 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

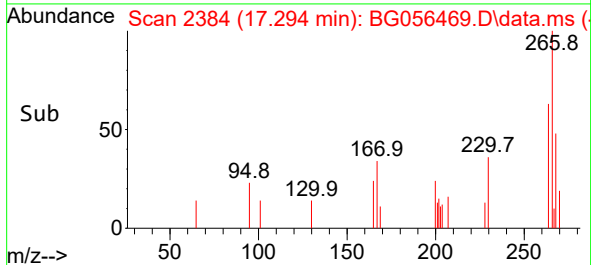
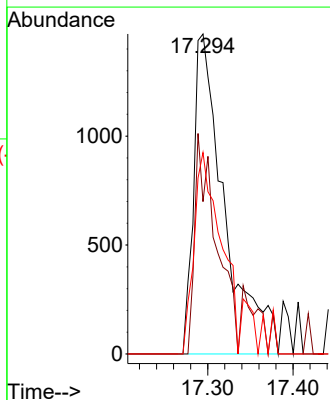
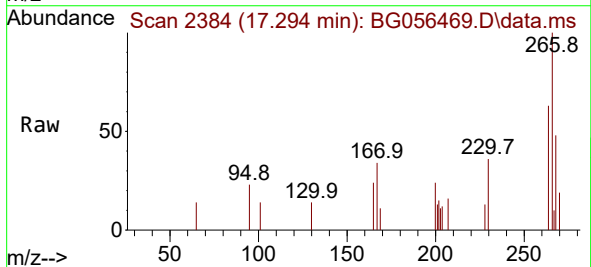
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

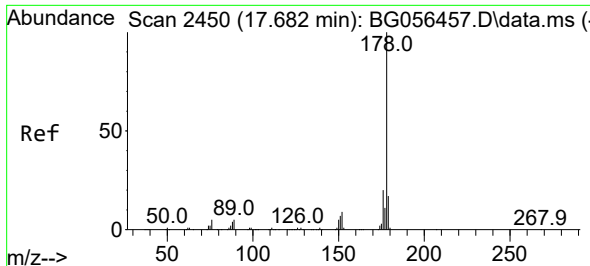
Tgt Ion:200 Resp: 15150
 Ion Ratio Lower Upper
 200 100
 173 22.3 3.2 43.2
 215 50.9 30.7 70.7



#70
 Pentachlorophenol
 Concen: 1.841 ng
 RT: 17.294 min Scan# 2384
 Delta R.T. 0.006 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

Tgt Ion:266 Resp: 3714
 Ion Ratio Lower Upper
 266 100
 268 47.6 50.2 75.4#
 264 63.0 51.4 77.0

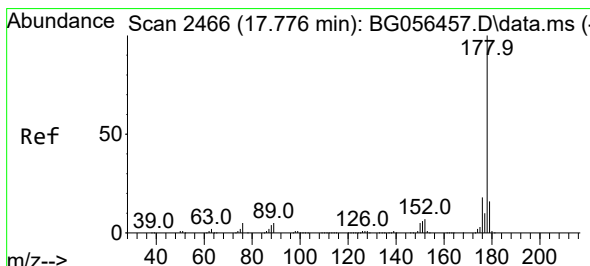
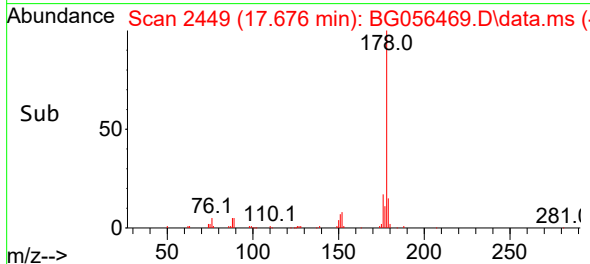
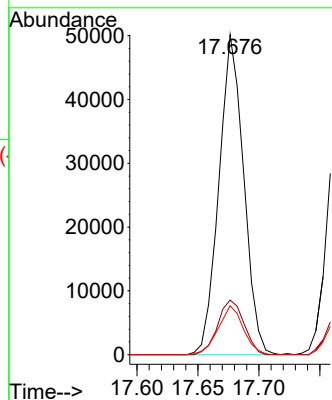
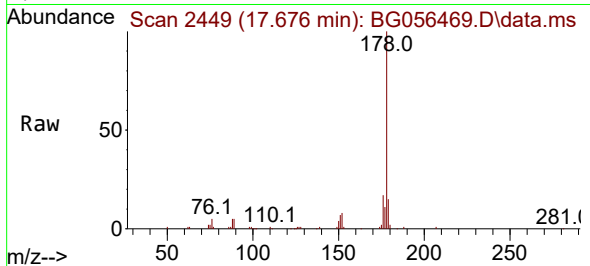




#71
Phenanthrene
Concen: 5.096 ng
RT: 17.676 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

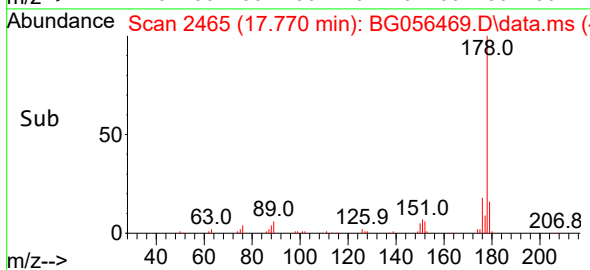
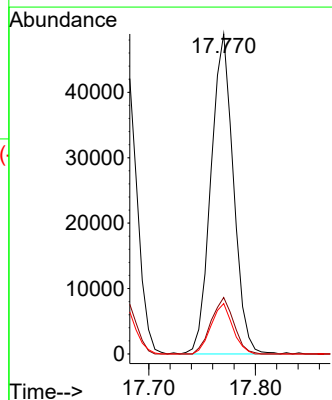
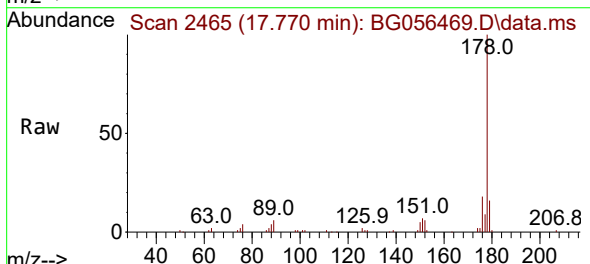
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

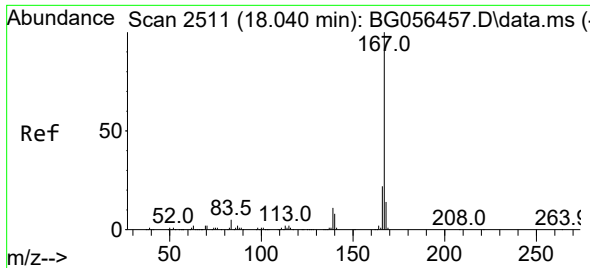
Tgt Ion:178 Resp: 70910
Ion Ratio Lower Upper
178 100
176 17.0 15.6 23.4
179 15.3 13.3 19.9



#72
Anthracene
Concen: 5.003 ng
RT: 17.770 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:178 Resp: 71466
Ion Ratio Lower Upper
178 100
176 17.6 14.5 21.7
179 15.8 12.5 18.7

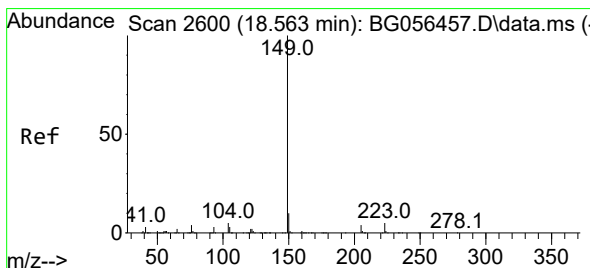
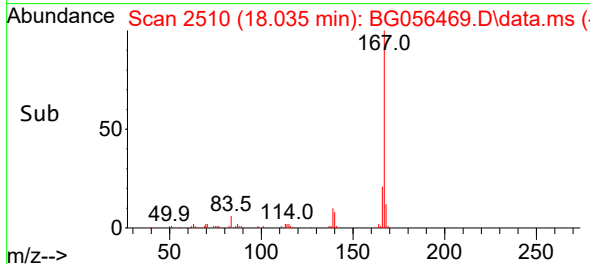
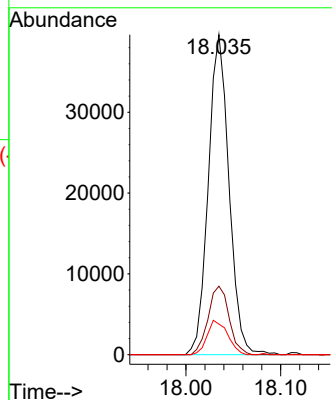
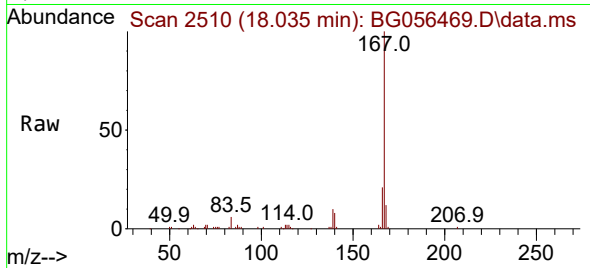




#73
 Carbazole
 Concen: 4.940 ng
 RT: 18.035 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

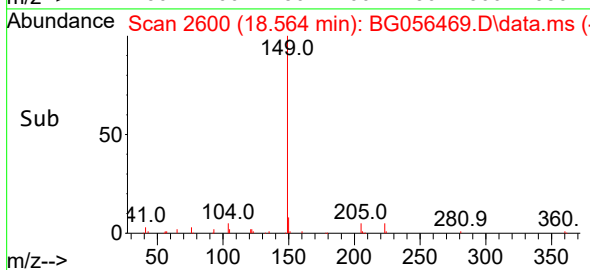
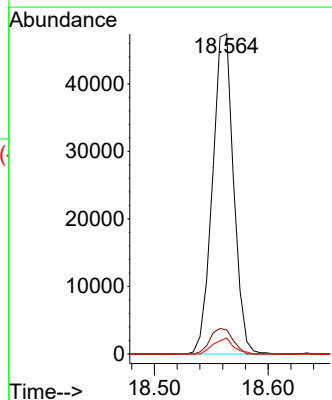
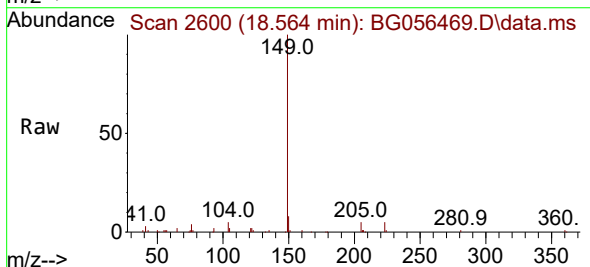
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

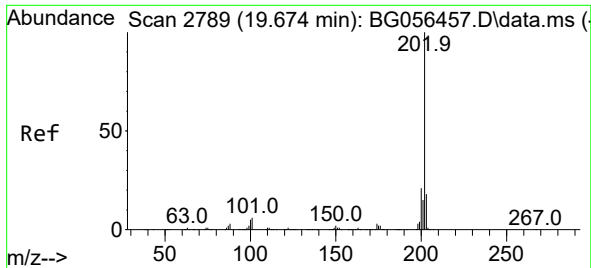
Tgt Ion:167	Resp:	60091
Ion Ratio	Lower	Upper
167	100	
166	21.4	17.8 26.6
139	9.6	8.9 13.3



#74
 Di-n-butylphthalate
 Concen: 4.798 ng
 RT: 18.564 min Scan# 2600
 Delta R.T. 0.001 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

Tgt Ion:149	Resp:	61287
Ion Ratio	Lower	Upper
149	100	
150	7.5	7.8 11.6#
104	5.0	4.0 6.0

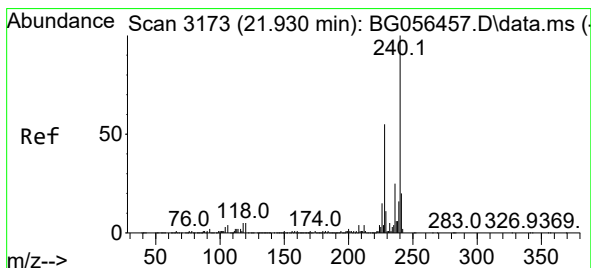
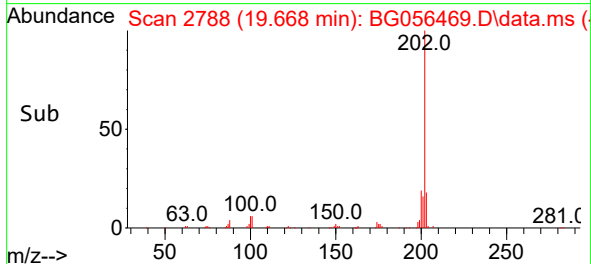
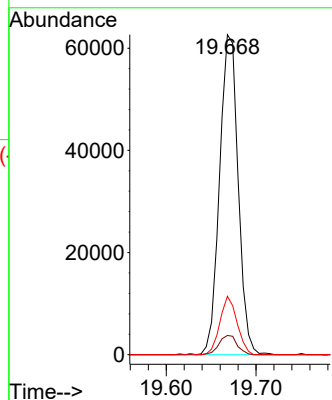
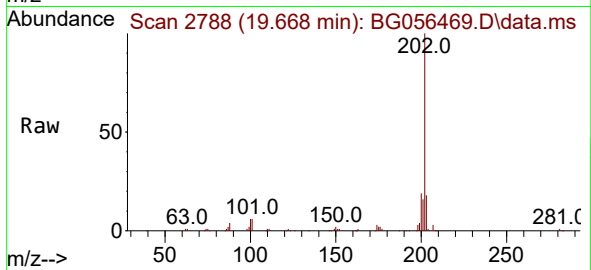




#75
Fluoranthene
Concen: 5.127 ng
RT: 19.668 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

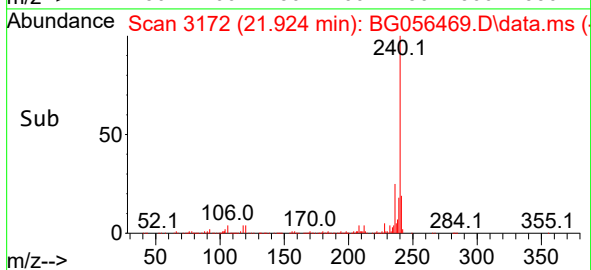
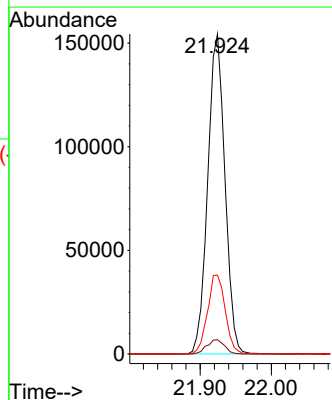
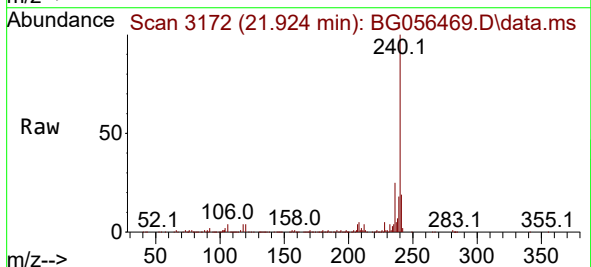
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

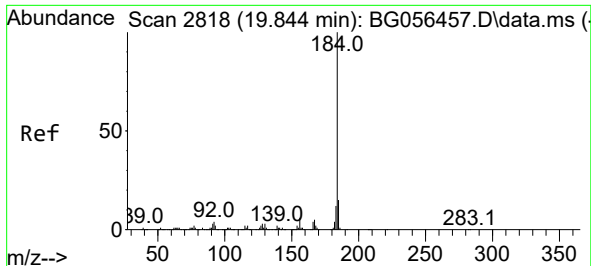
Tgt Ion:202 Resp: 90043
Ion Ratio Lower Upper
202 100
101 6.0 0.0 25.6
203 18.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:240 Resp: 260219
Ion Ratio Lower Upper
240 100
120 4.4 3.8 5.8
236 24.6 20.2 30.2

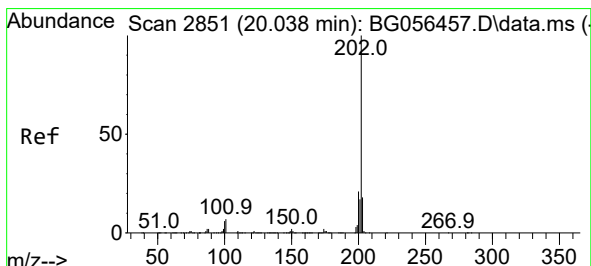
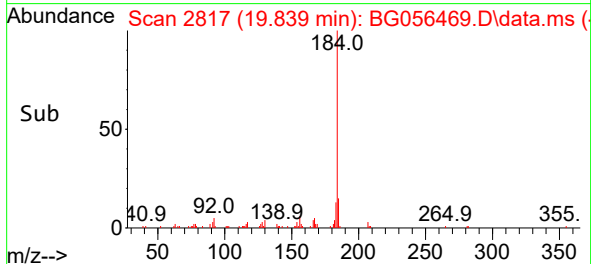
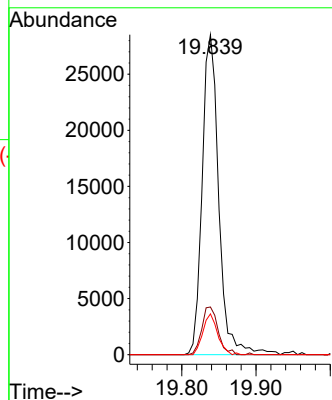
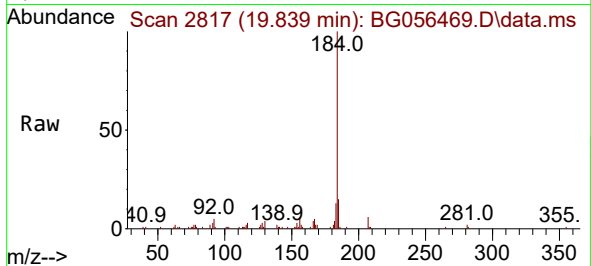




#77
Benzidine
Concen: 6.289 ng
RT: 19.839 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

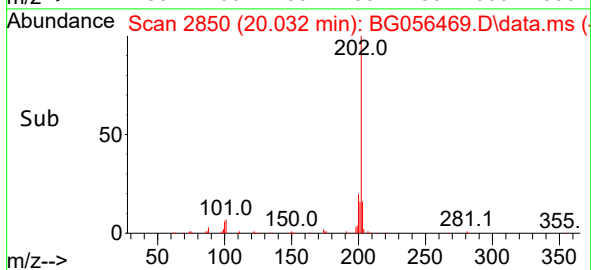
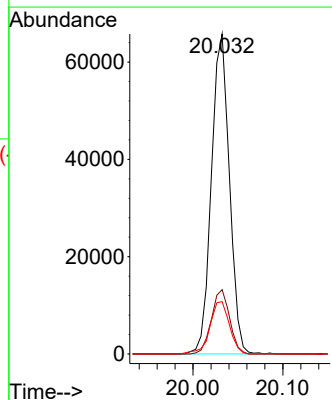
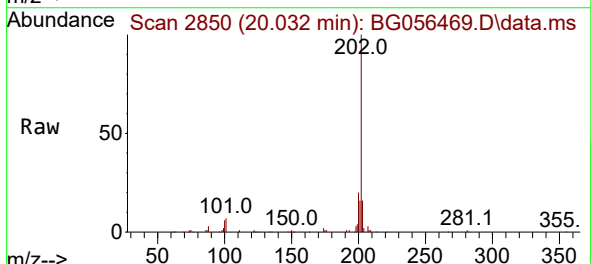
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

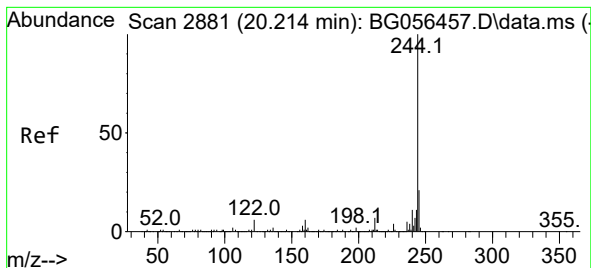
Tgt Ion:184 Resp: 44289
Ion Ratio Lower Upper
184 100
185 14.9 12.3 18.5
183 12.8 9.8 14.8



#78
Pyrene
Concen: 4.944 ng
RT: 20.032 min Scan# 2850
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:202 Resp: 91509
Ion Ratio Lower Upper
202 100
200 20.1 16.7 25.1
203 16.3 14.4 21.6





#79

Terphenyl-d14

Concen: 71.745 ng

RT: 20.215 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

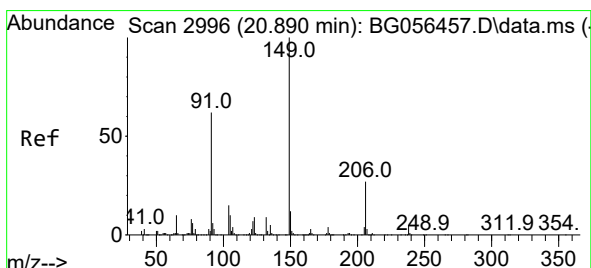
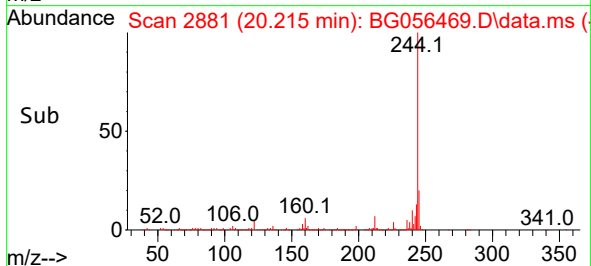
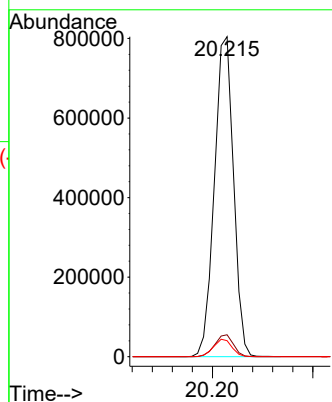
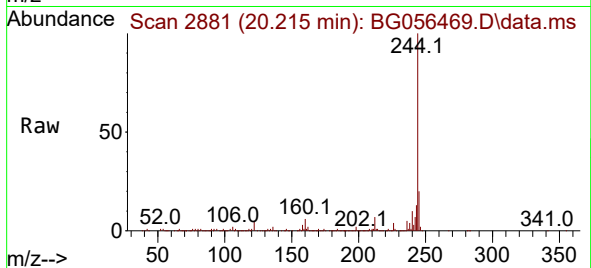
Tgt Ion:244 Resp: 1062962

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 5.0 4.4 6.6



#80

Butylbenzylphthalate

Concen: 4.596 ng

RT: 20.884 min Scan# 2995

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

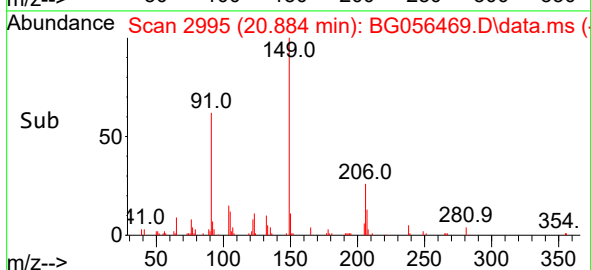
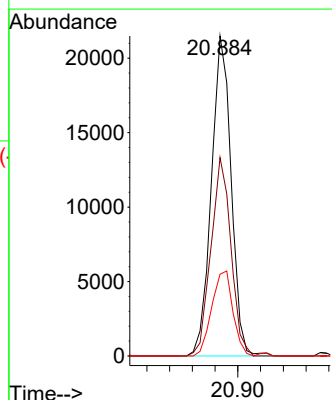
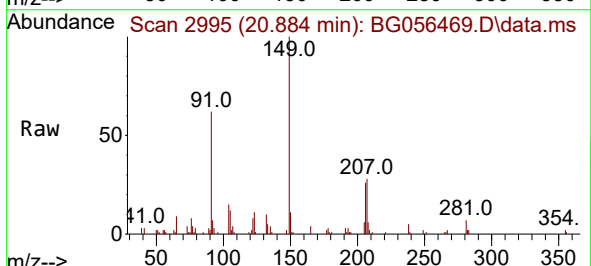
Tgt Ion:149 Resp: 25975

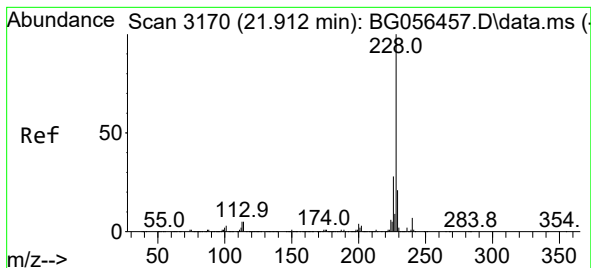
Ion Ratio Lower Upper

149 100

91 62.0 49.4 74.0

206 25.6 22.0 33.0





#81

Benzo(a)anthracene

Concen: 4.974 ng

RT: 21.901 min Scan# 3168

Delta R.T. -0.011 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

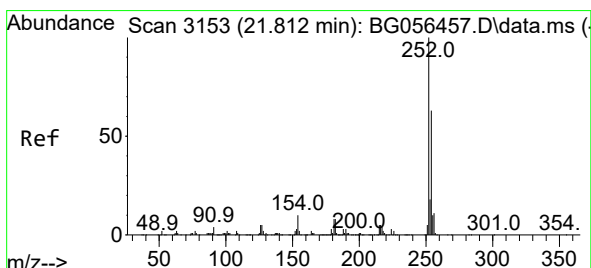
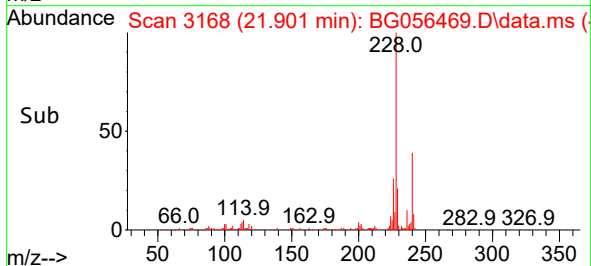
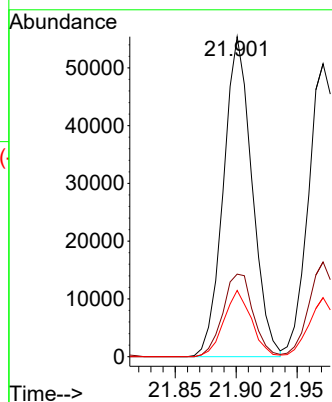
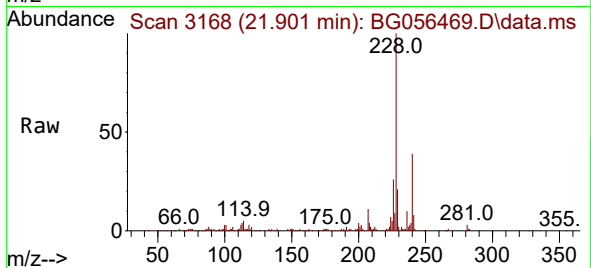
Tgt Ion:228 Resp: 90492

Ion Ratio Lower Upper

228 100

226 25.8 22.4 33.6

229 20.7 16.5 24.7



#82

3,3'-Dichlorobenzidine

Concen: 5.456 ng

RT: 21.807 min Scan# 3152

Delta R.T. -0.005 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

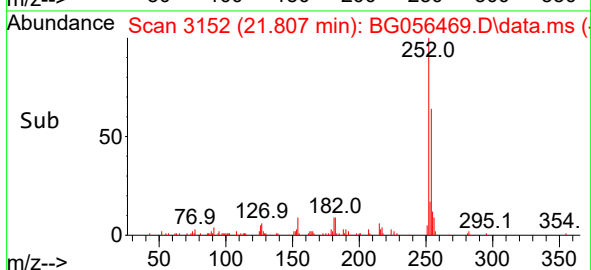
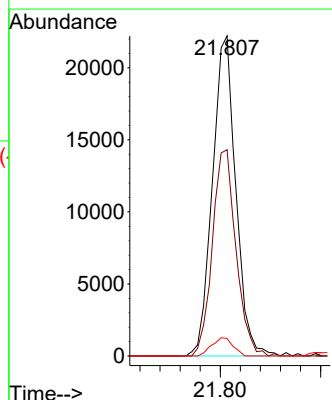
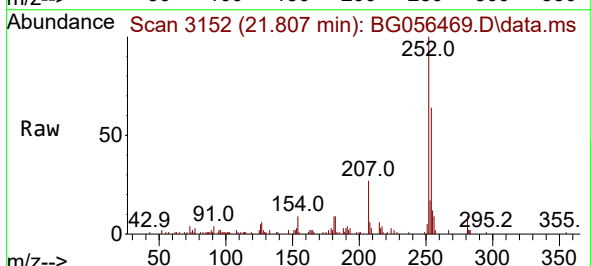
Tgt Ion:252 Resp: 35746

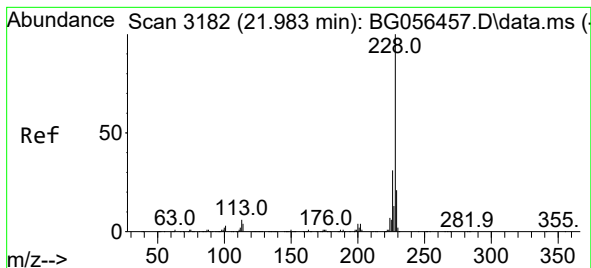
Ion Ratio Lower Upper

252 100

254 64.4 50.0 75.0

126 5.5 4.3 6.5





#83

Chrysene

Concen: 5.033 ng

RT: 21.971 min Scan# 3180

Delta R.T. -0.011 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

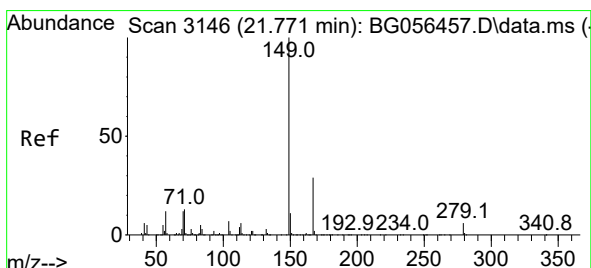
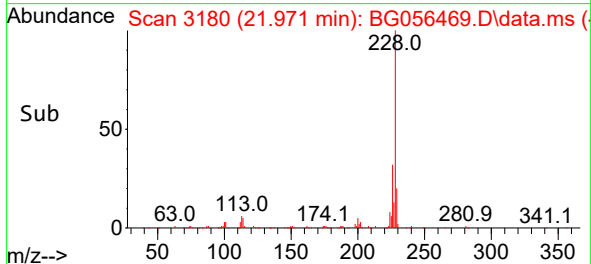
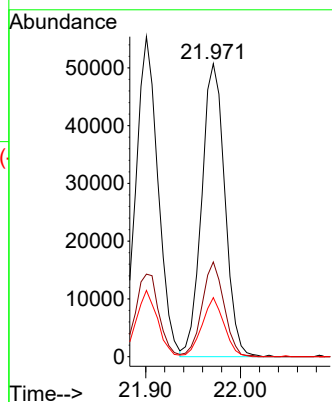
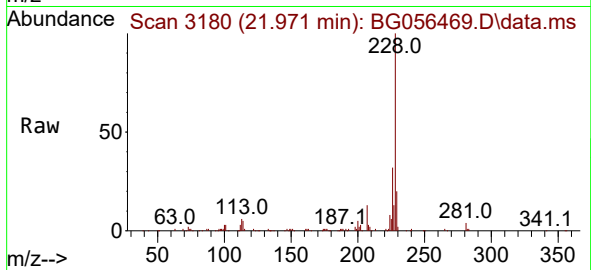
Tgt Ion:228 Resp: 86017

Ion Ratio Lower Upper

228 100

226 32.3 25.0 37.4

229 20.2 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.899 ng

RT: 21.766 min Scan# 3145

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

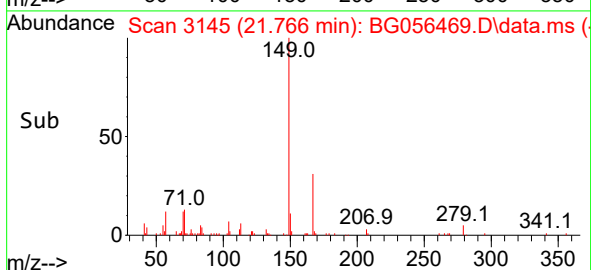
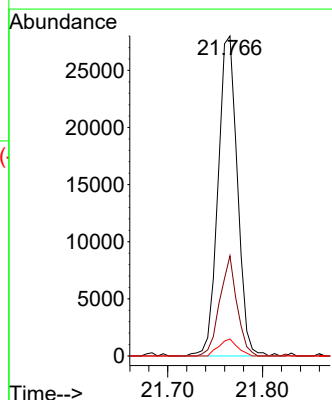
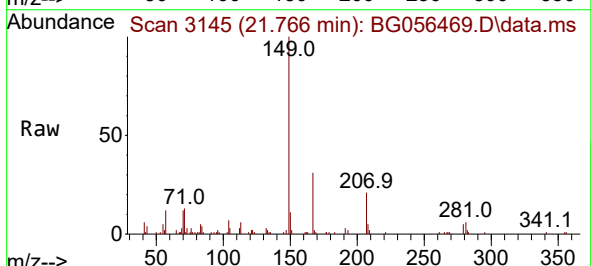
Tgt Ion:149 Resp: 39696

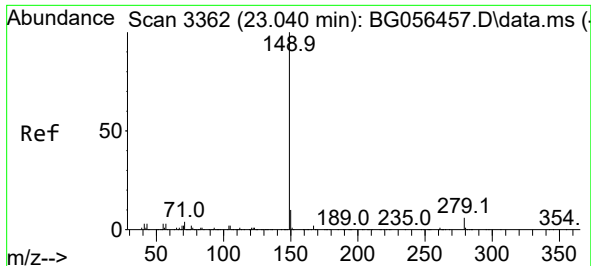
Ion Ratio Lower Upper

149 100

167 31.3 23.4 35.2

279 5.3 4.4 6.6

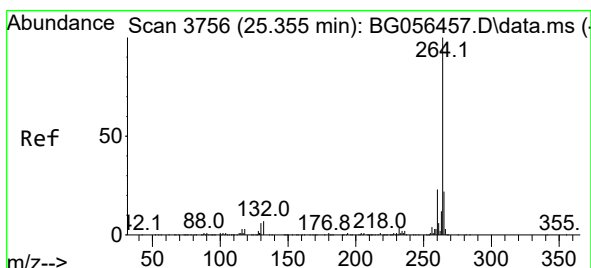
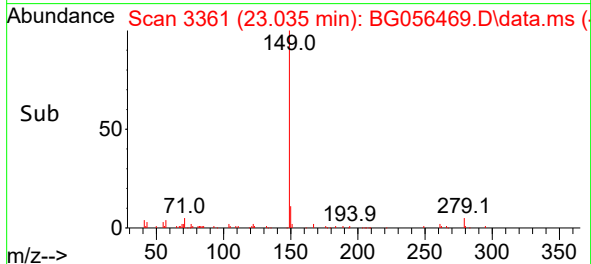
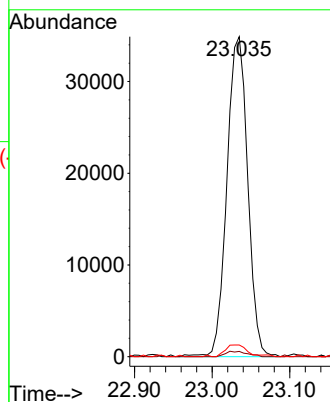
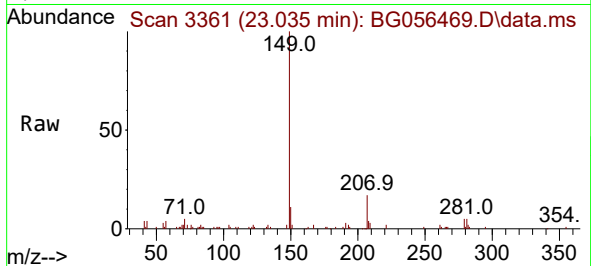




#85
Di-n-octyl phthalate
Concen: 4.813 ng
RT: 23.035 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

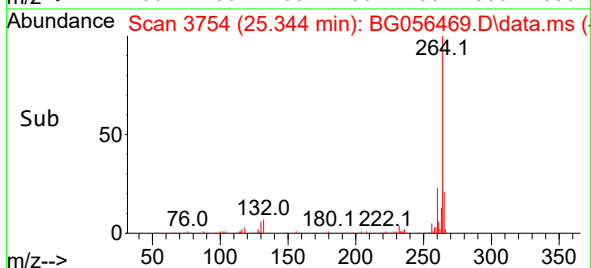
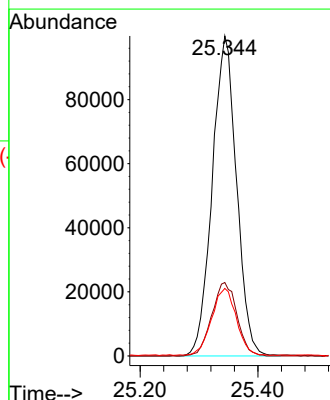
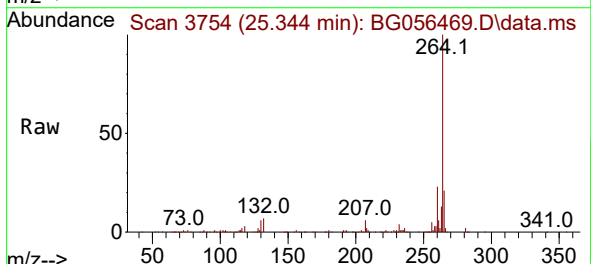
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

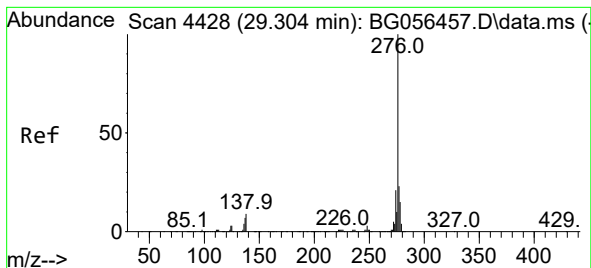
Tgt Ion:149 Resp: 64958
Ion Ratio Lower Upper
149 100
167 1.8 1.4 2.0
43 4.0 2.7 4.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.344 min Scan# 3754
Delta R.T. -0.011 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:264 Resp: 285878
Ion Ratio Lower Upper
264 100
260 22.9 18.2 27.4
265 21.1 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.785 ng

RT: 29.280 min Scan# 4428

Delta R.T. -0.023 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

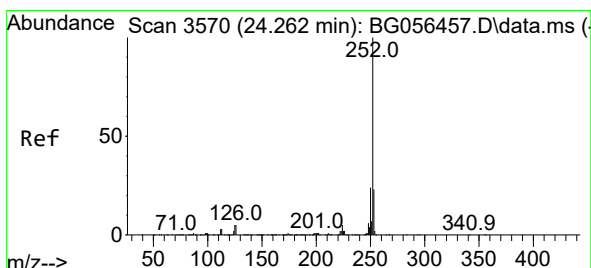
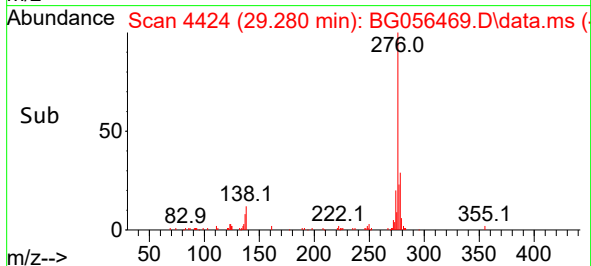
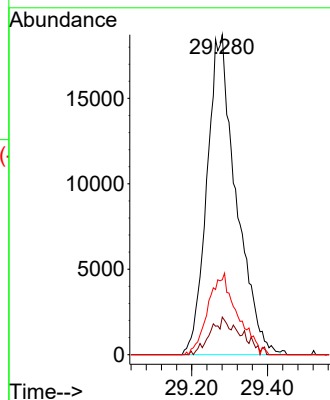
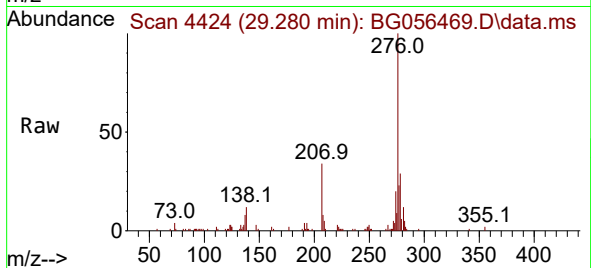
Tgt Ion:276 Resp: 100133

Ion Ratio Lower Upper

276 100

138 0.9 9.4 14.2#

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.144 ng

RT: 24.245 min Scan# 3567

Delta R.T. -0.017 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

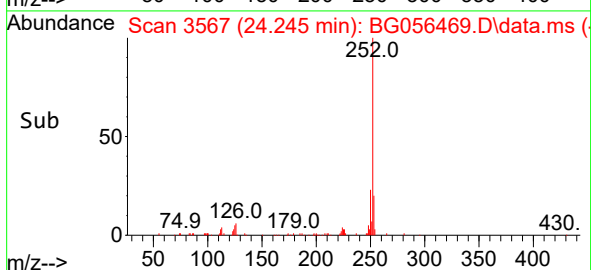
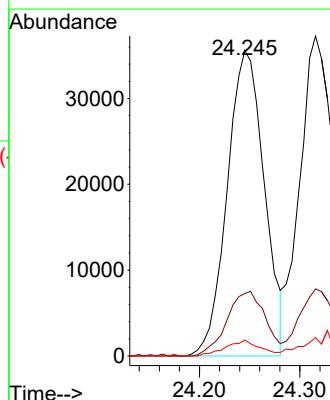
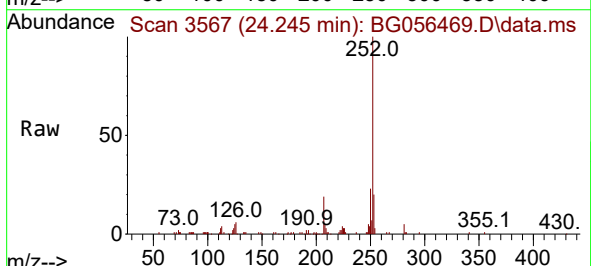
Tgt Ion:252 Resp: 91271

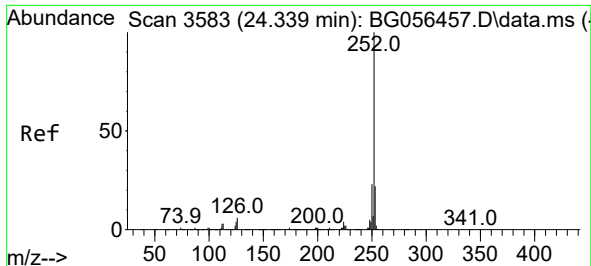
Ion Ratio Lower Upper

252 100

253 20.4 18.1 27.1

125 5.2 3.9 5.9





#89

Benzo(k)fluoranthene

Concen: 5.148 ng

RT: 24.316 min Scan# 3

Delta R.T. -0.023 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

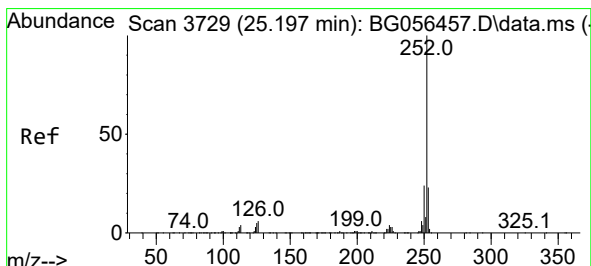
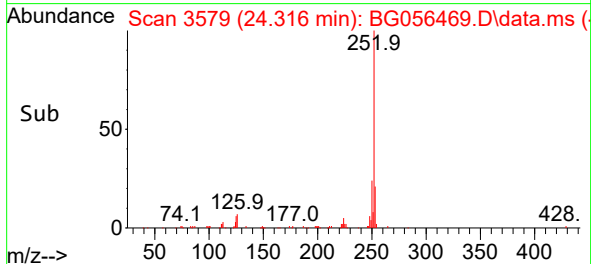
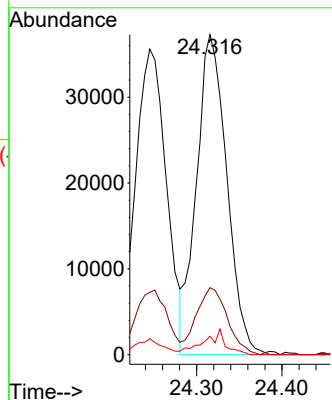
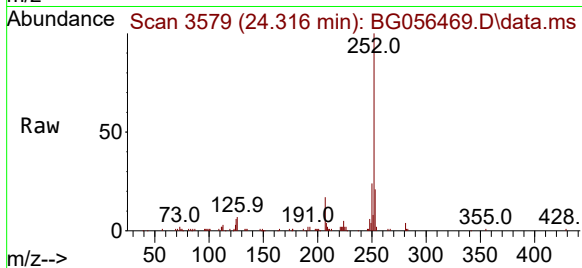
Tgt Ion:252 Resp: 92223

Ion Ratio Lower Upper

252 100

253 21.0 17.5 26.3

125 5.8 3.4 5.0#



#90

Benzo(a)pyrene

Concen: 4.700 ng

RT: 25.173 min Scan# 3725

Delta R.T. -0.023 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

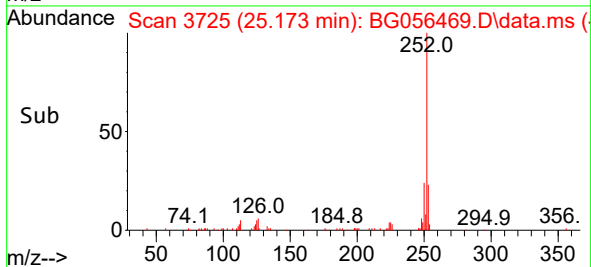
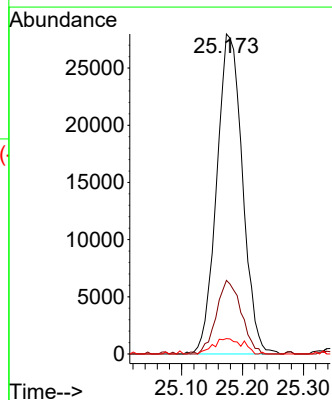
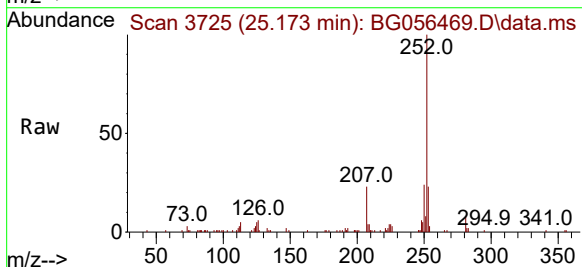
Tgt Ion:252 Resp: 82143

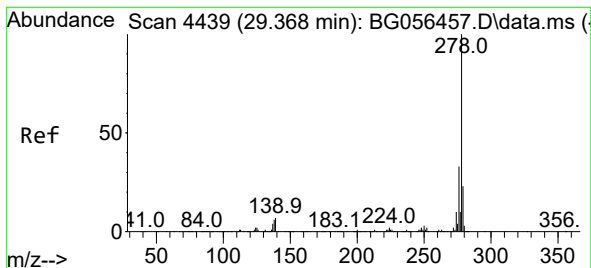
Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

125 4.8 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 5.070 ng

RT: 29.333 min Scan# 4433

Delta R.T. -0.035 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

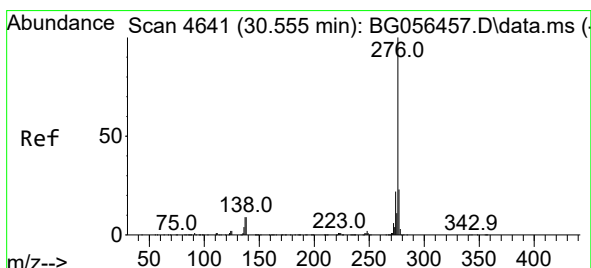
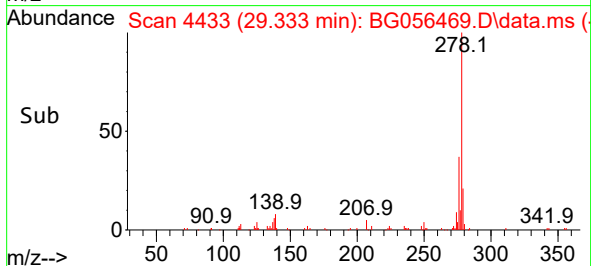
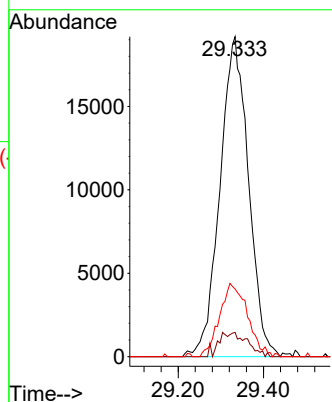
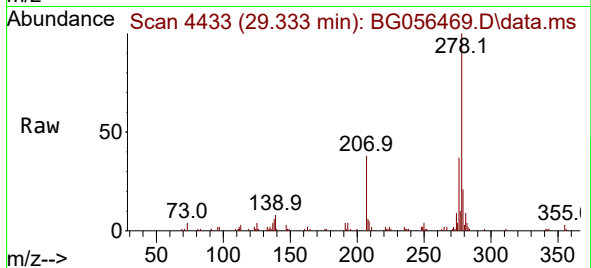
Tgt Ion:278 Resp: 89058

Ion Ratio Lower Upper

278 100

139 7.6 5.5 8.3

279 21.2 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 5.062 ng

RT: 30.508 min Scan# 4633

Delta R.T. -0.047 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Tgt Ion:276 Resp: 85790

Ion Ratio Lower Upper

276 100

277 24.7 18.5 27.7

138 11.1 7.4 11.0#

