

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
 Data File : BG056501.D
 Acq On : 1 Feb 2023 15:34
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	34462	20.000	ng	# 0.00
21) Naphthalene-d8	11.108	136	128407	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	108535	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	281786	20.000	ng	0.00
76) Chrysene-d12	21.919	240	269920	20.000	ng	0.00
86) Perylene-d12	25.339	264	298933	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	199391	106.435	ng	0.00
7) Phenol-d6	7.418	99	286014	103.042	ng	0.00
23) Nitrobenzene-d5	9.451	82	187505	82.920	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	156733	108.623	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	651827	83.264	ng	0.00
79) Terphenyl-d14	20.209	244	1233078	80.236	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.599	88	6162	7.899	ng	99
3) Pyridine	4.022	79	16770	7.212	ng	# 92
4) n-Nitrosodimethylamine	3.928	42	3647	7.375	ng	# 77
6) Aniline	7.589	93	26739	7.358	ng	99
8) 2-Chlorophenol	7.836	128	14980	7.279	ng	94
9) Benzaldehyde	7.401	77	14048	8.608	ng	95
10) Phenol	7.442	94	20324	7.204	ng	87
11) bis(2-Chloroethyl)ether	7.677	93	15047	7.760	ng	95
12) 1,3-Dichlorobenzene	8.165	146	19154	8.084	ng	93
13) 1,4-Dichlorobenzene	8.311	146	19996	8.333	ng	92
14) 1,2-Dichlorobenzene	8.635	146	18033	7.746	ng	93
15) Benzyl Alcohol	8.511	79	14180	7.446	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.793	45	3227	7.854	ng	88
17) 2-Methylphenol	8.717	107	14660	6.831	ng	# 90
18) Hexachloroethane	9.369	117	5936	8.179	ng	97
19) n-Nitroso-di-n-propyla...	9.075	70	11958	7.476	ng	# 94
20) 3+4-Methylphenols	9.040	107	20140	6.696	ng	86
22) Acetophenone	9.099	105	27994	8.205	ng	# 98
24) Nitrobenzene	9.492	77	18133	8.313	ng	99
25) Isophorone	10.009	82	37849	8.113	ng	98
26) 2-Nitrophenol	10.209	139	10421	7.874	ng	97
27) 2,4-Dimethylphenol	10.256	122	16008	7.228	ng	97
28) bis(2-Chloroethoxy)met...	10.485	93	20897	8.109	ng	92
29) 2,4-Dichlorophenol	10.750	162	19712	7.907	ng	95
30) 1,2,4-Trichlorobenzene	10.967	180	23222	8.382	ng	97
31) Naphthalene	11.155	128	54216	8.000	ng	97
32) Benzoic acid	10.374	122	7838	6.325	ng	96
33) 4-Chloroaniline	11.261	127	24905	7.872	ng	96
34) Hexachlorobutadiene	11.431	225	17372	8.933	ng	97
35) Caprolactam	12.007	113	6580	7.826	ng	94
36) 4-Chloro-3-methylphenol	12.366	107	18147	7.537	ng	95
37) 2-Methylnaphthalene	12.742	142	44297	7.928	ng	97
38) 1-Methylnaphthalene	12.959	142	42405	8.126	ng	93
40) 1,2,4,5-Tetrachloroben...	13.106	216	33209	8.375	ng	99
41) Hexachlorocyclopentadiene	13.076	237	9308	10.447	ng	95
43) 2,4,6-Trichlorophenol	13.341	196	19215	7.520	ng	94

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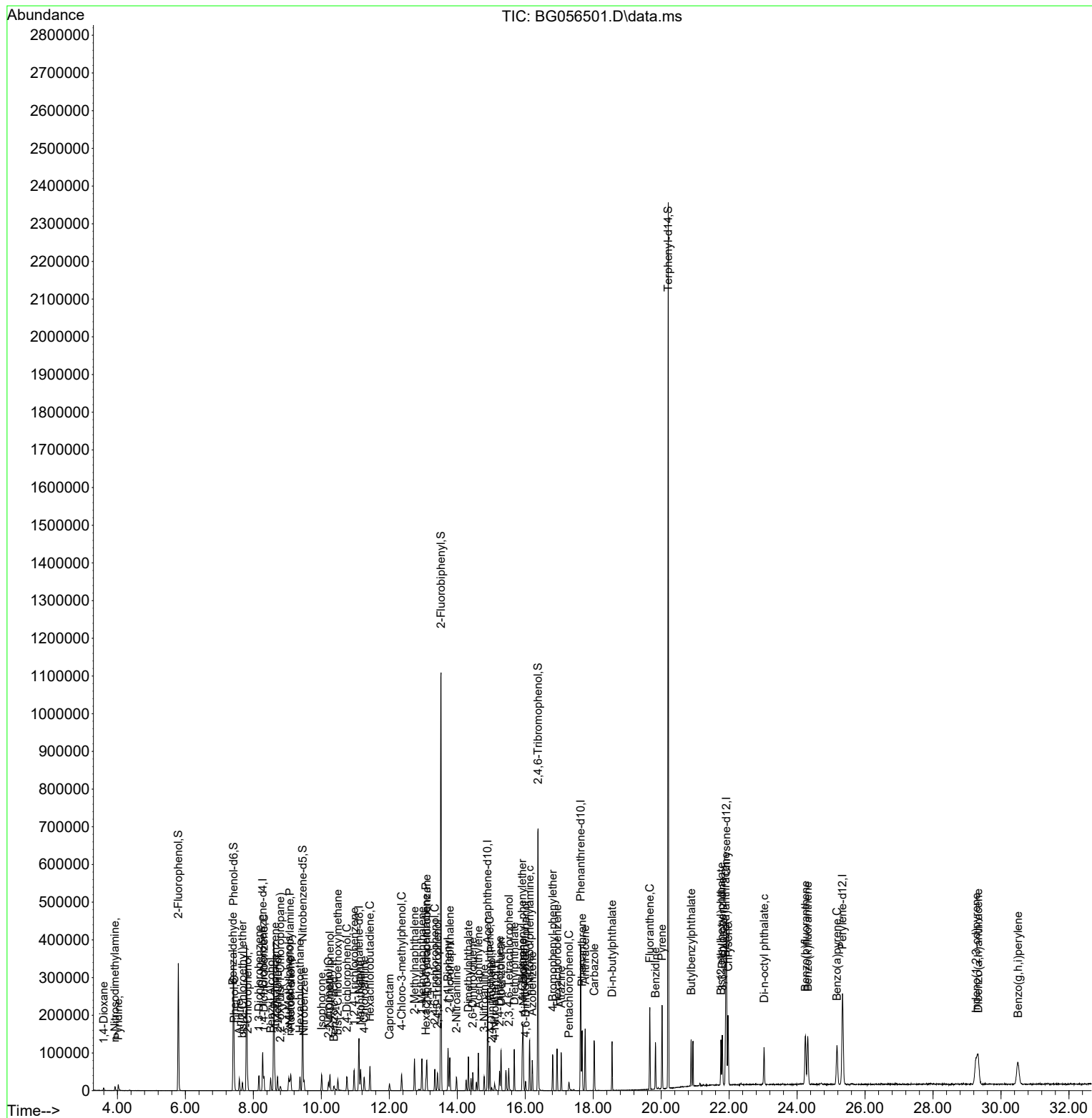
Quant Time: Feb 02 05:02:15 2023
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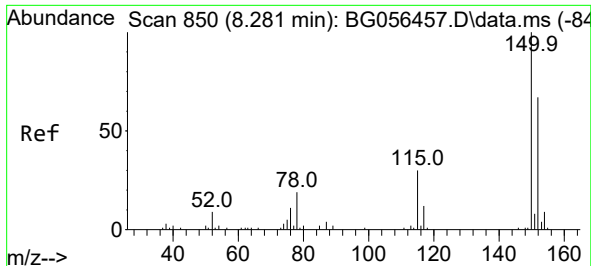
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.417	196	21546	7.202	ng	94
46) 1,1'-Biphenyl	13.729	154	63810	8.106	ng	98
47) 2-Chloronaphthalene	13.781	162	50321	8.178	ng	98
48) 2-Nitroaniline	13.975	65	8774	6.898	ng	87
49) Acenaphthylene	14.622	152	79607	7.952	ng	97
50) Dimethylphthalate	14.328	163	68035	7.748	ng	99
51) 2,6-Dinitrotoluene	14.457	165	14492	7.568	ng	97
52) Acenaphthene	14.957	154	47644	8.025	ng	99
53) 3-Nitroaniline	14.792	138	13298	7.163	ng	95
54) 2,4-Dinitrophenol	15.009	184	4622	3.850	ng	# 91
55) Dibenzofuran	15.291	168	84201	7.909	ng	99
56) 4-Nitrophenol	15.103	139	8841	6.970	ng	90
57) 2,4-Dinitrotoluene	15.244	165	20491	7.597	ng	95
58) Fluorene	15.938	166	69091	8.155	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.521	232	19905	7.483	ng	# 93
60) Diethylphthalate	15.679	149	64610	7.836	ng	97
61) 4-Chlorophenyl-phenyle...	15.914	204	41215	7.973	ng	97
62) 4-Nitroaniline	15.950	138	13787	7.422	ng	94
63) Azobenzene	16.208	77	44853	7.906	ng	94
65) 4,6-Dinitro-2-methylph...	16.014	198	12129	6.122	ng	94
66) n-Nitrosodiphenylamine	16.132	169	61931	7.763	ng	96
67) 4-Bromophenyl-phenylether	16.813	248	27907	7.736	ng	98
68) Hexachlorobenzene	16.942	284	28721	8.129	ng	96
69) Atrazine	17.060	200	26821	8.714	ng	97
70) Pentachlorophenol	17.289	266	8647	4.045	ng	87
71) Phenanthrene	17.677	178	115562	7.836	ng	97
72) Anthracene	17.765	178	120614	7.967	ng	99
73) Carbazole	18.029	167	101053	7.837	ng	100
74) Di-n-butylphthalate	18.558	149	103091	7.615	ng	99
75) Fluoranthene	19.669	202	149595	8.037	ng	98
77) Benzidine	19.833	184	84223	11.531	ng	99
78) Pyrene	20.027	202	151080	7.870	ng	99
80) Butylbenzylphthalate	20.885	149	43354	7.395	ng	95
81) Benzo(a)anthracene	21.896	228	148017	7.844	ng	97
82) 3,3'-Dichlorobenzidine	21.802	252	59791	8.799	ng	# 94
83) Chrysene	21.972	228	138391	7.806	ng	97
84) Bis(2-ethylhexyl)phtha...	21.760	149	61619	7.331	ng	97
85) Di-n-octyl phthalate	23.029	149	104574	7.470	ng	100
87) Indeno(1,2,3-cd)pyrene	29.269	276	164978	7.539	ng	# 93
88) Benzo(b)fluoranthene	24.246	252	153448	8.270	ng	97
89) Benzo(k)fluoranthene	24.316	252	150637	8.041	ng	100
90) Benzo(a)pyrene	25.174	252	133137	7.284	ng	94
91) Dibenzo(a,h)anthracene	29.334	278	145606	7.927	ng	97
92) Benzo(g,h,i)perylene	30.503	276	139289	7.859	ng	99

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

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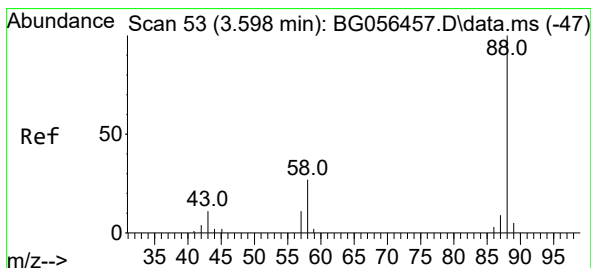
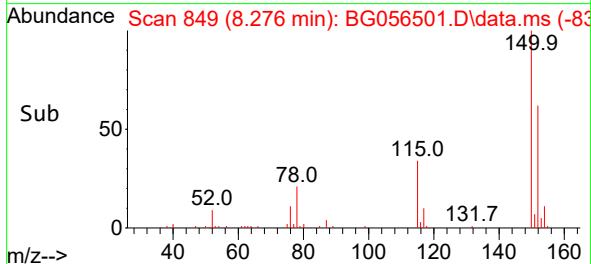
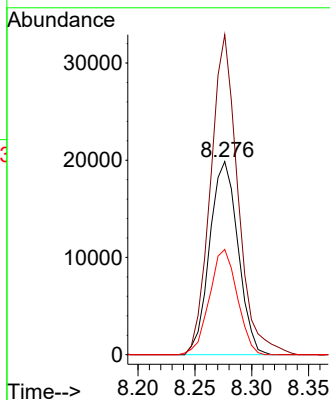
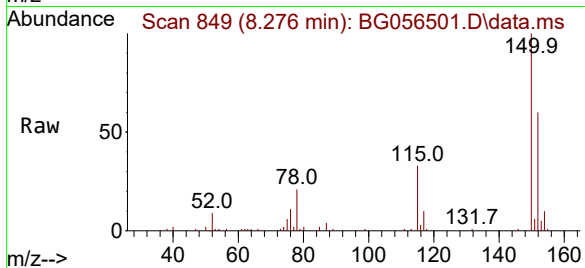




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

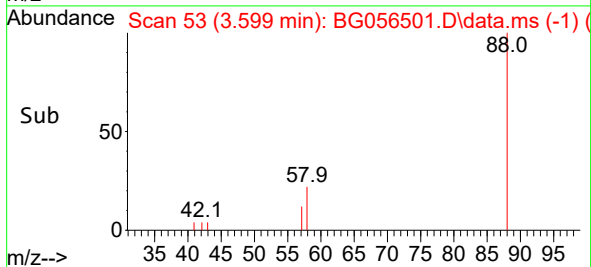
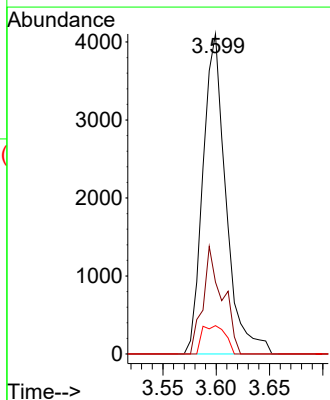
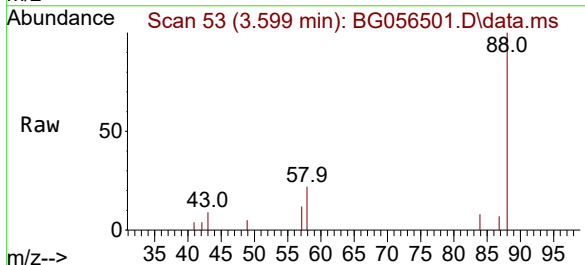
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

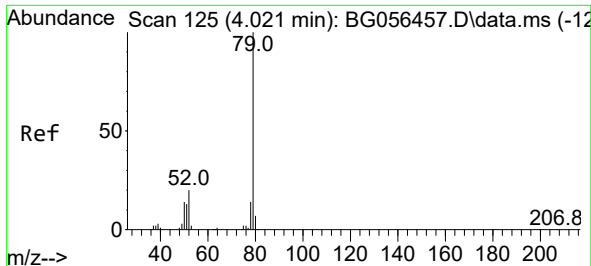
Tgt Ion:152 Resp: 34462
Ion Ratio Lower Upper
152 100
150 165.7 120.2 180.4
115 54.5 36.3 54.5#



#2
1,4-Dioxane
Concen: 7.899 ng
RT: 3.599 min Scan# 53
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 88 Resp: 6162
Ion Ratio Lower Upper
88 100
58 28.7 23.0 34.4
43 8.9 8.0 12.0

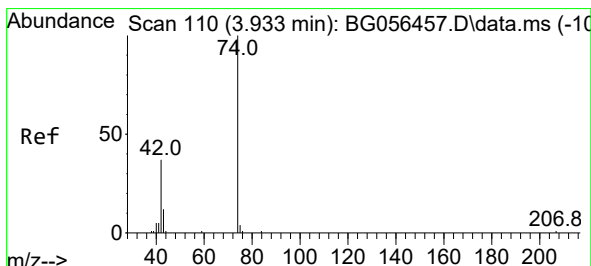
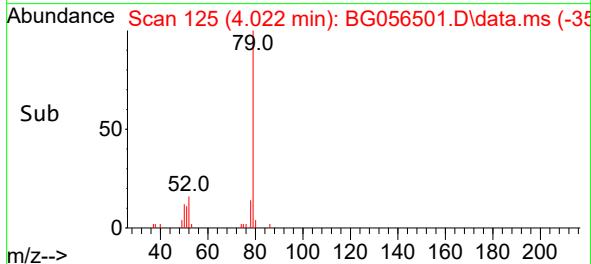
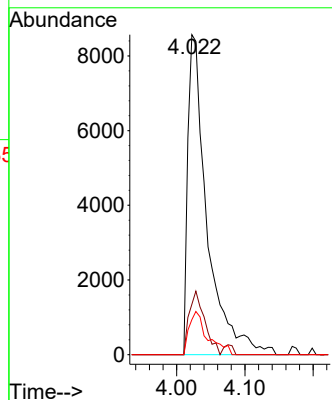
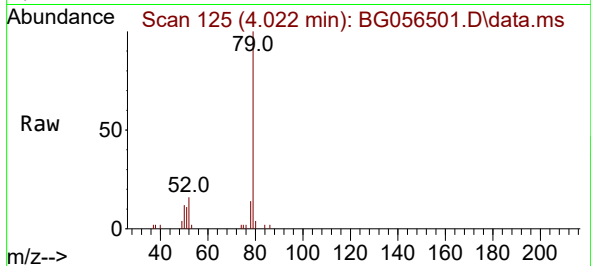




#3
Pyridine
Concen: 7.212 ng
RT: 4.022 min Scan# 110
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

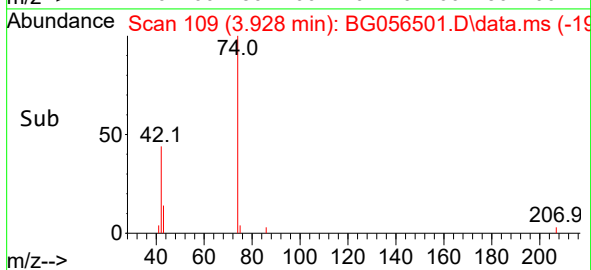
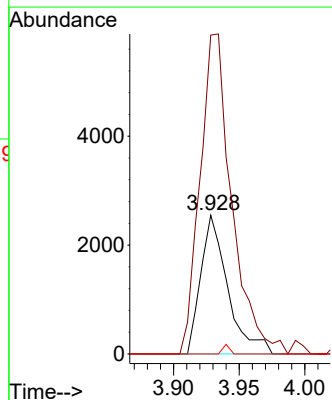
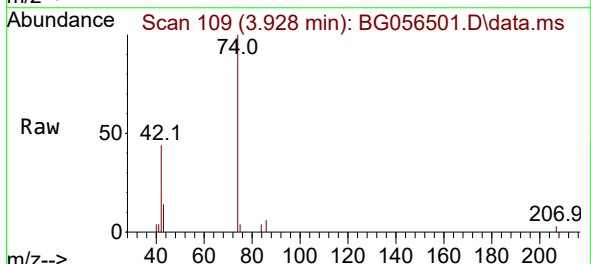
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

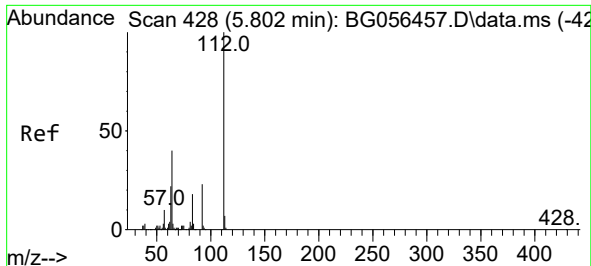
Tgt Ion: 79 Resp: 16770
Ion Ratio Lower Upper
79 100
52 15.7 16.1 24.1#
51 11.0 10.7 16.1



#4
n-Nitrosodimethylamine
Concen: 7.375 ng
RT: 3.928 min Scan# 109
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 42 Resp: 3647
Ion Ratio Lower Upper
42 100
74 229.9 217.9 326.9
44 0.0 3.0 4.6#

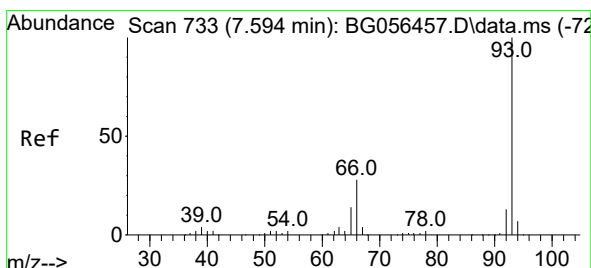
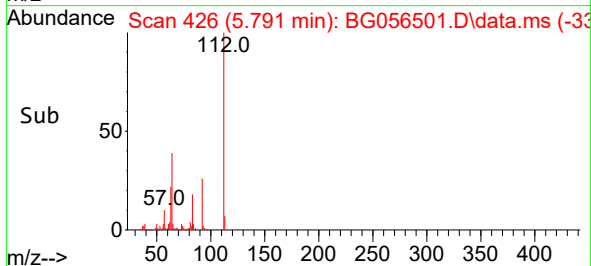
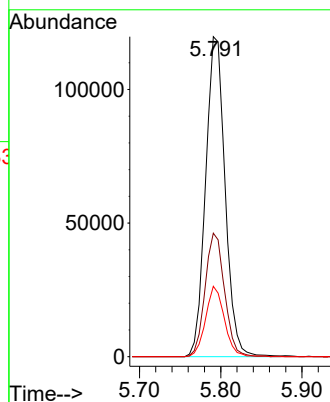
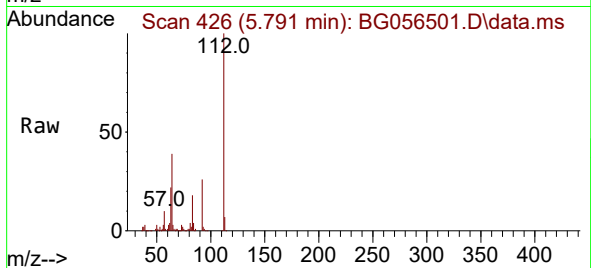




#5
2-Fluorophenol
Concen: 106.435 ng
RT: 5.791 min Scan# 41
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

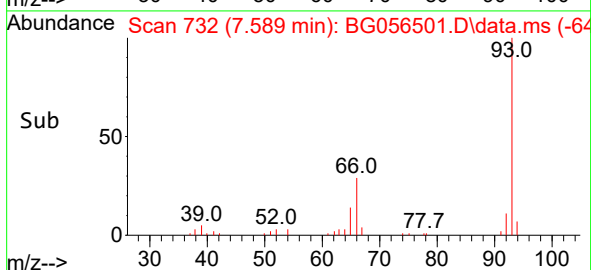
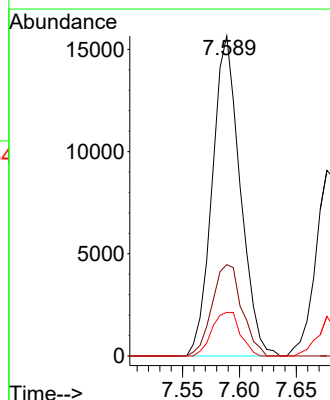
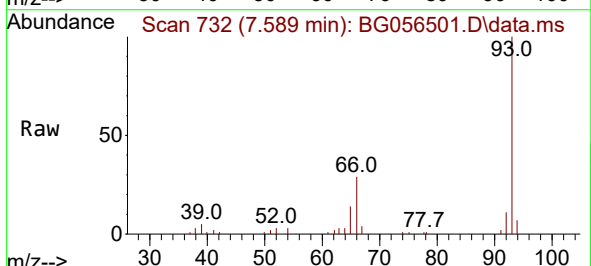
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

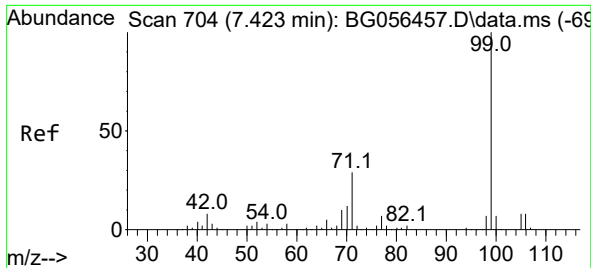
Tgt Ion:112 Resp: 199391
Ion Ratio Lower Upper
112 100
64 38.6 31.9 47.9
63 22.0 17.4 26.0



#6
Aniline
Concen: 7.358 ng
RT: 7.589 min Scan# 732
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 93 Resp: 26739
Ion Ratio Lower Upper
93 100
66 28.5 22.2 33.2
65 13.6 11.3 16.9





#7

Phenol-d6

Concen: 103.042 ng

RT: 7.418 min Scan# 703

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

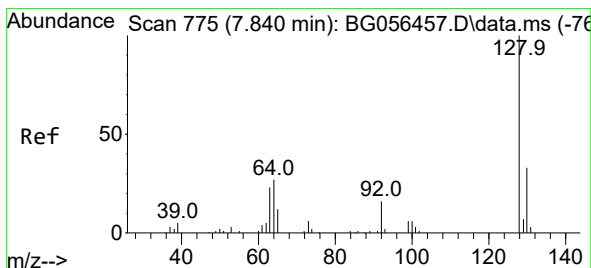
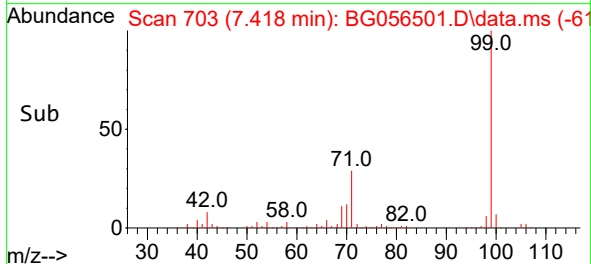
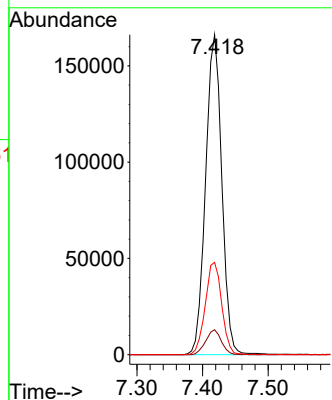
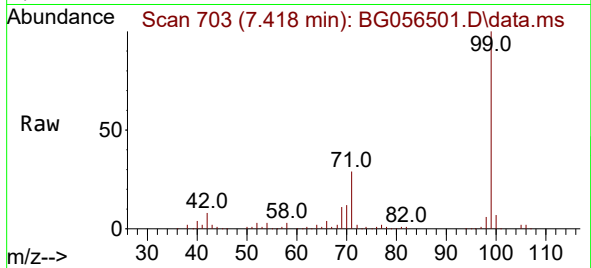
Tgt Ion: 99 Resp: 286014

Ion Ratio Lower Upper

99 100

42 7.8 6.6 10.0

71 28.9 23.4 35.0



#8

2-Chlorophenol

Concen: 7.279 ng

RT: 7.836 min Scan# 774

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

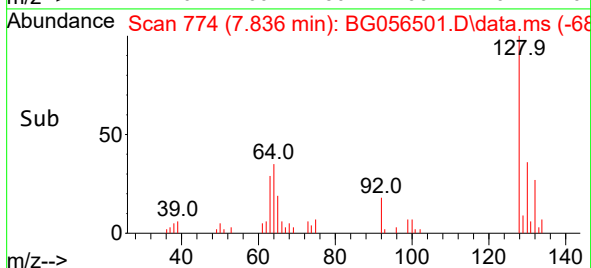
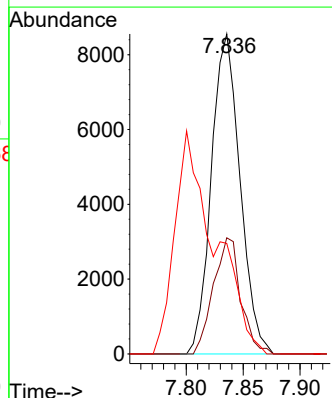
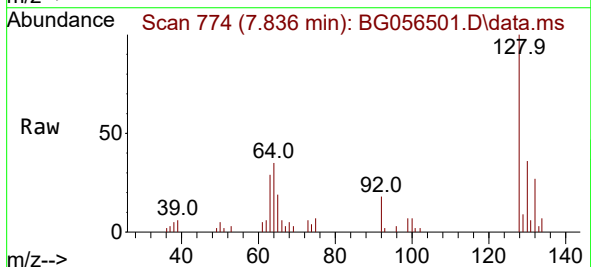
Tgt Ion:128 Resp: 14980

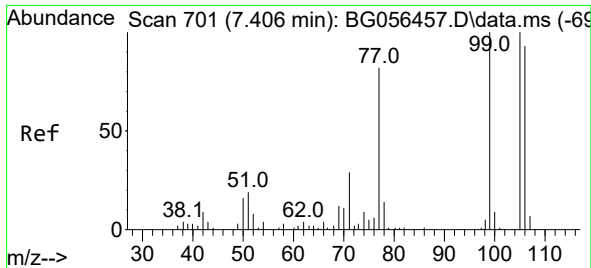
Ion Ratio Lower Upper

128 100

130 36.3 12.8 52.8

64 34.5 11.3 51.3

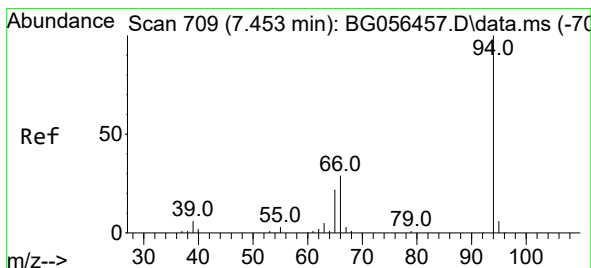
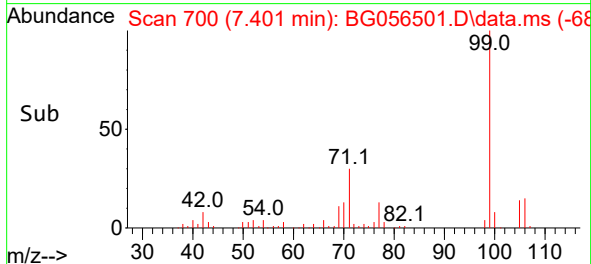
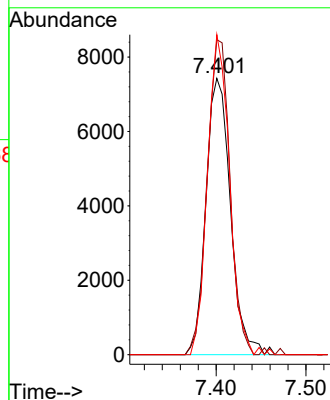
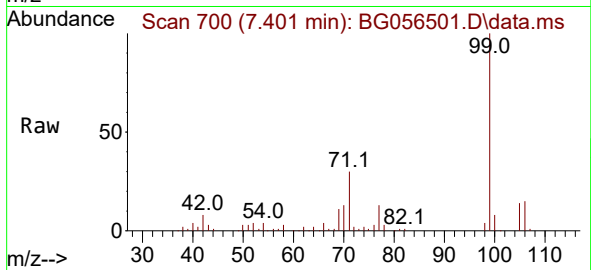




#9
Benzaldehyde
Concen: 8.608 ng
RT: 7.401 min Scan# 701
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

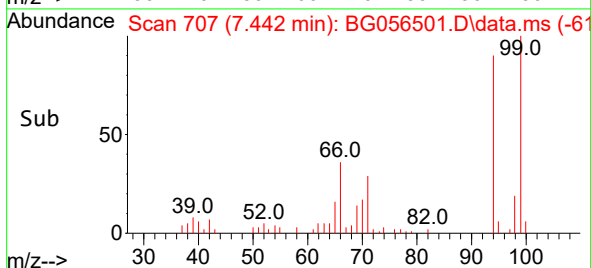
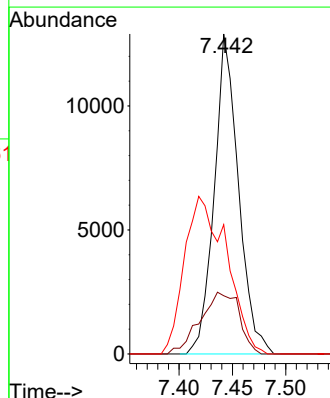
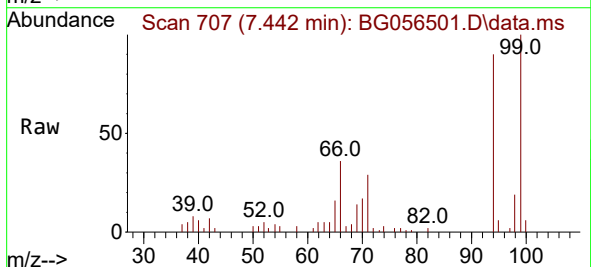
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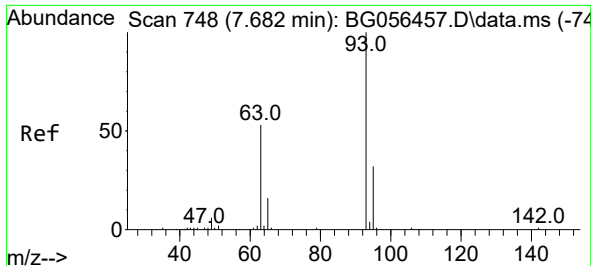
Tgt Ion: 77 Resp: 14048
Ion Ratio Lower Upper
77 100
105 114.0 101.8 141.8
106 115.8 93.0 133.0



#10
Phenol
Concen: 7.204 ng
RT: 7.442 min Scan# 707
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 94 Resp: 20324
Ion Ratio Lower Upper
94 100
65 18.2 2.3 42.3
66 40.4 11.2 51.2





#11

bis(2-Chloroethyl)ether

Concen: 7.760 ng

RT: 7.677 min Scan# 74

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

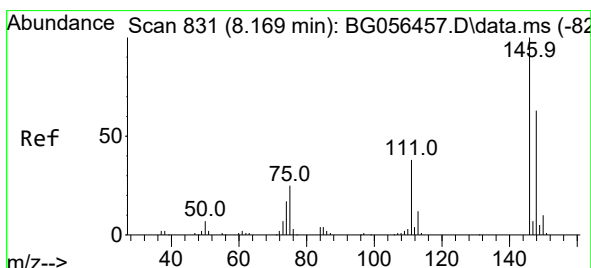
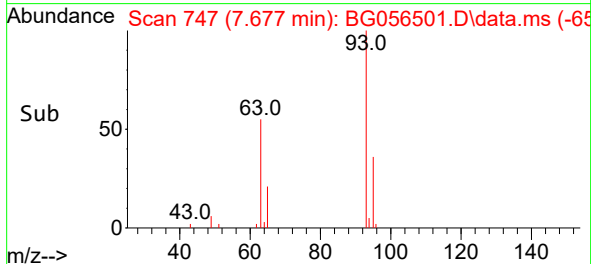
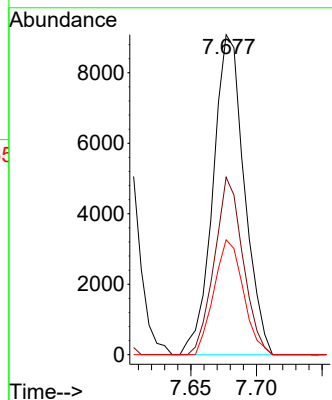
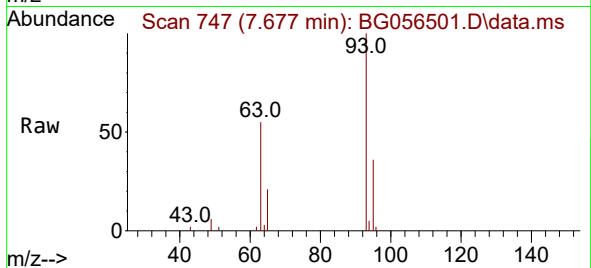
Tgt Ion: 93 Resp: 15047

Ion Ratio Lower Upper

93 100

63 55.4 32.4 72.4

95 35.9 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 8.084 ng

RT: 8.165 min Scan# 830

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

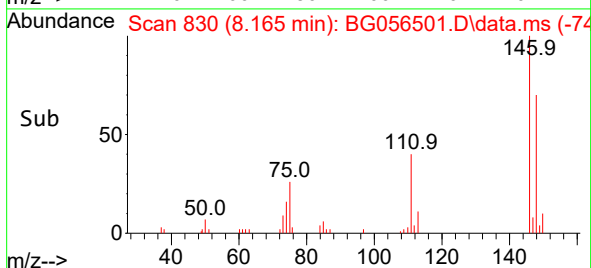
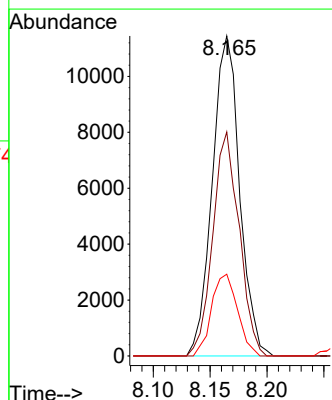
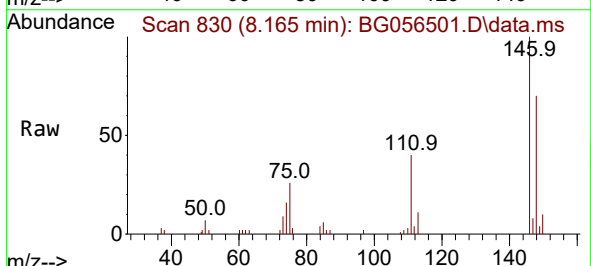
Tgt Ion: 146 Resp: 19154

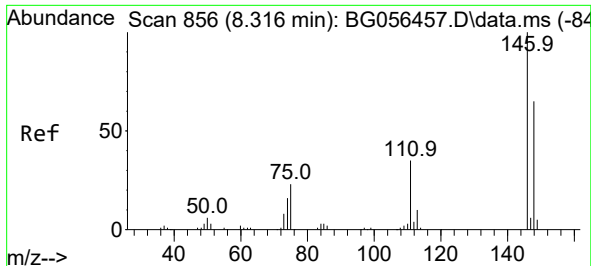
Ion Ratio Lower Upper

146 100

148 70.0 50.6 75.8

75 25.6 19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 8.333 ng

RT: 8.311 min Scan# 8

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

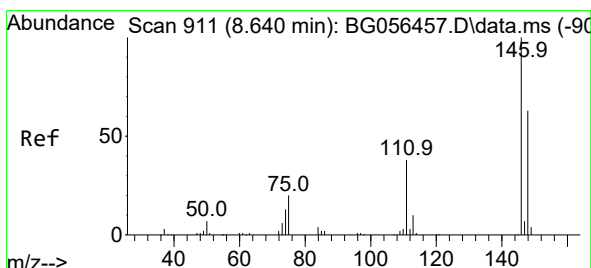
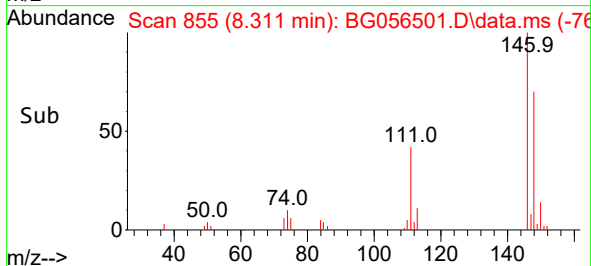
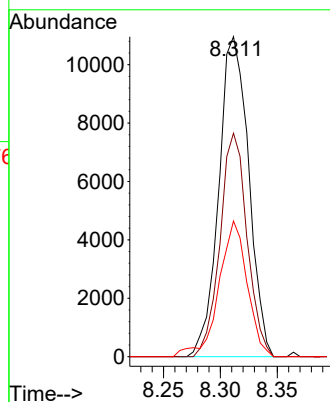
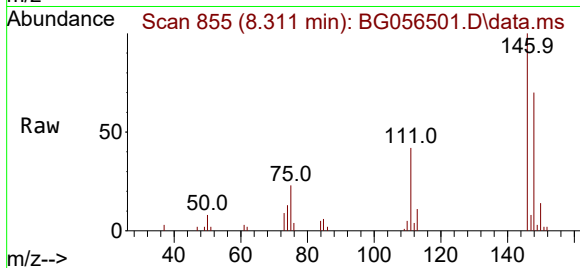
Tgt Ion:146 Resp: 19996

Ion Ratio Lower Upper

146 100

148 69.8 51.8 77.6

111 42.4 28.6 42.8



#14

1,2-Dichlorobenzene

Concen: 7.746 ng

RT: 8.635 min Scan# 910

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

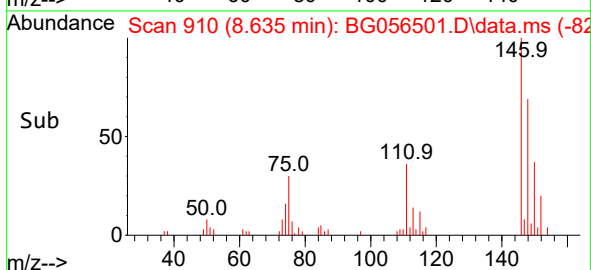
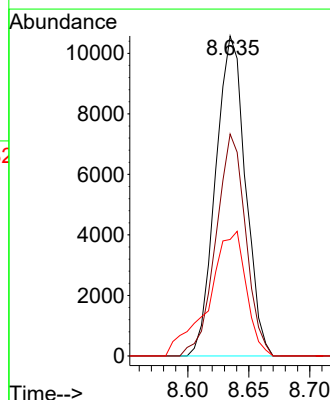
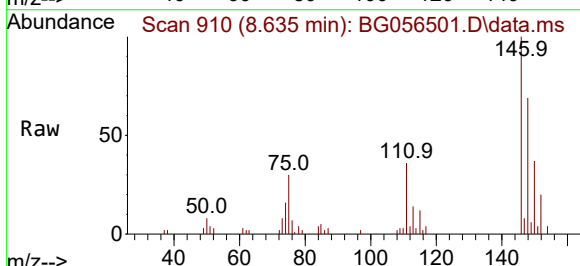
Tgt Ion:146 Resp: 18033

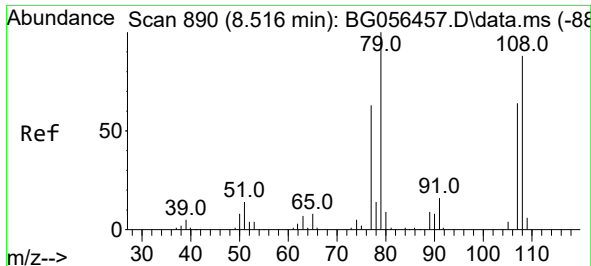
Ion Ratio Lower Upper

146 100

148 69.3 50.1 75.1

111 36.4 30.9 46.3

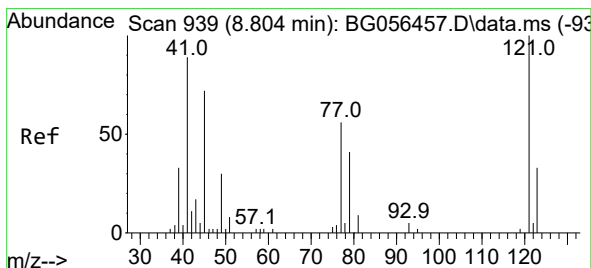
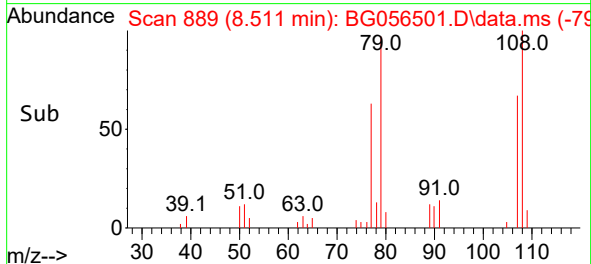
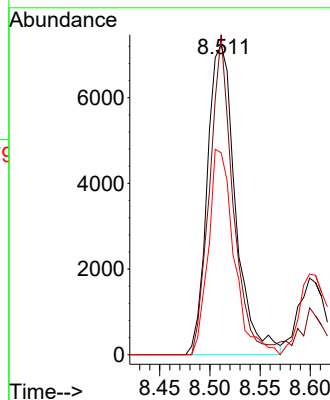
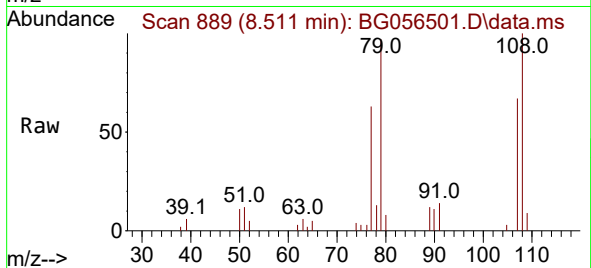




#15
Benzyl Alcohol
Concen: 7.446 ng
RT: 8.511 min Scan# 890
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

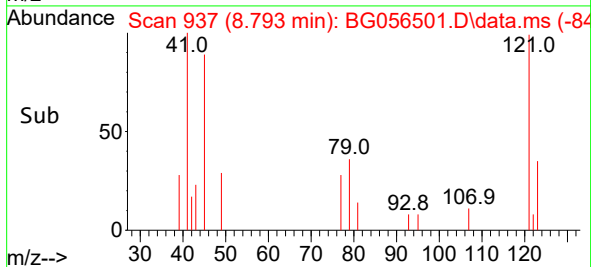
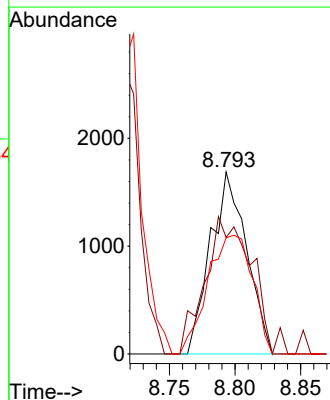
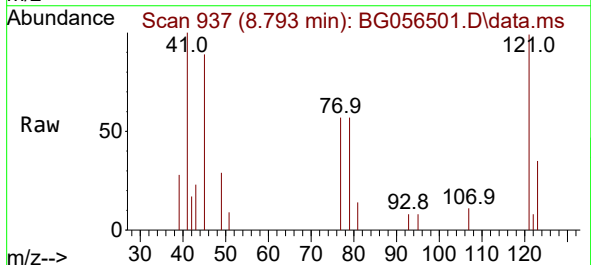
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

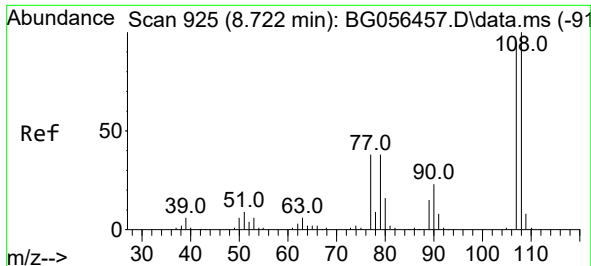
Tgt Ion: 79 Resp: 14180
Ion Ratio Lower Upper
79 100
108 103.3 70.1 105.1
77 65.2 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.854 ng
RT: 8.793 min Scan# 937
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 45 Resp: 3227
Ion Ratio Lower Upper
45 100
77 64.0 62.1 102.1
79 63.8 42.7 82.7

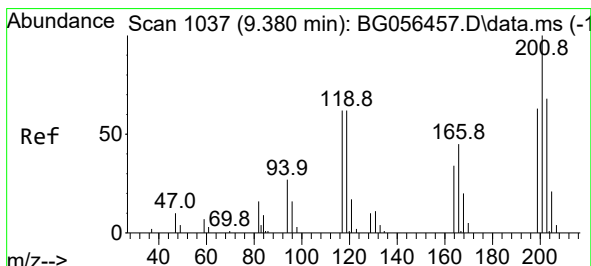
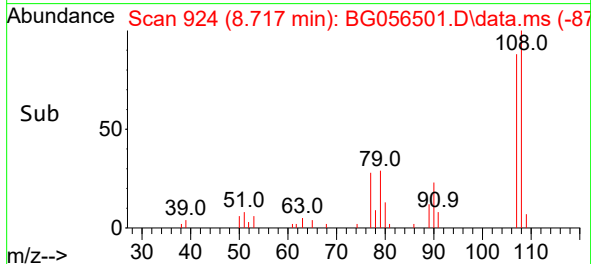
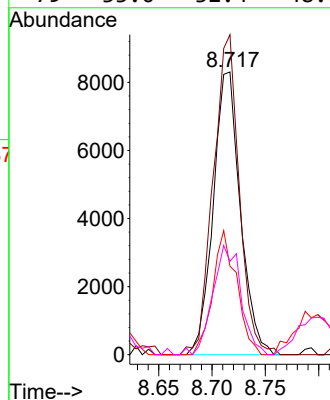
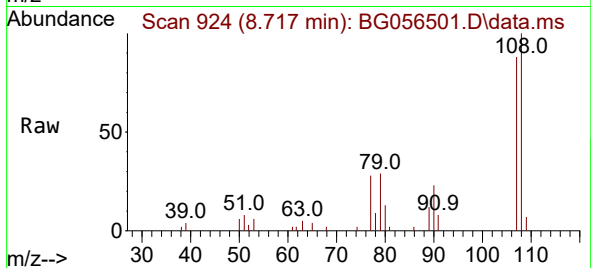




#17
2-Methylphenol
Concen: 6.831 ng
RT: 8.717 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

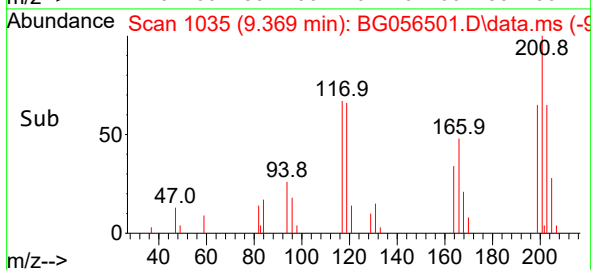
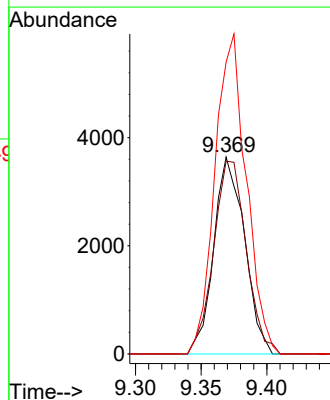
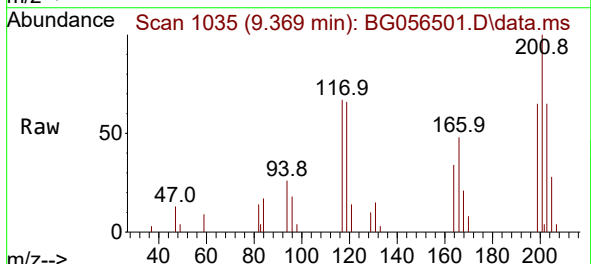
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

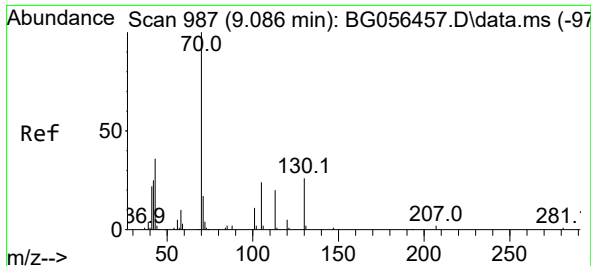
Tgt Ion:	107	Resp:	14660
Ion	Ratio	Lower	Upper
107	100		
108	113.2	83.9	125.9
77	31.3	31.6	47.4#
79	33.0	32.4	48.6



#18
Hexachloroethane
Concen: 8.179 ng
RT: 9.369 min Scan# 1035
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:	117	Resp:	5936
Ion	Ratio	Lower	Upper
117	100		
119	98.0	79.4	119.0
201	154.9	128.5	192.7

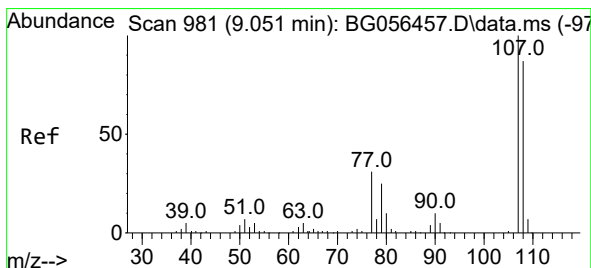
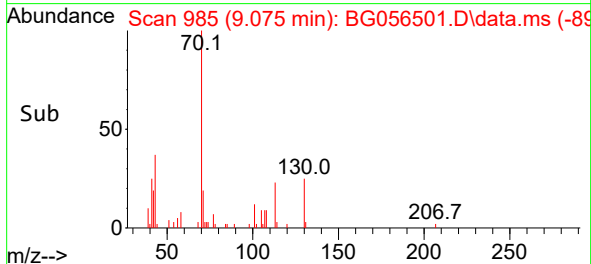
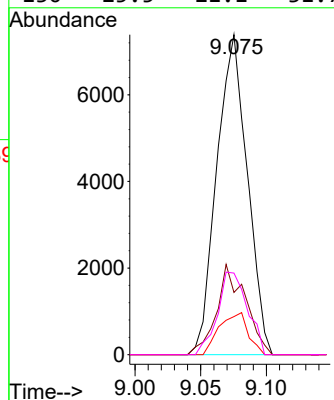
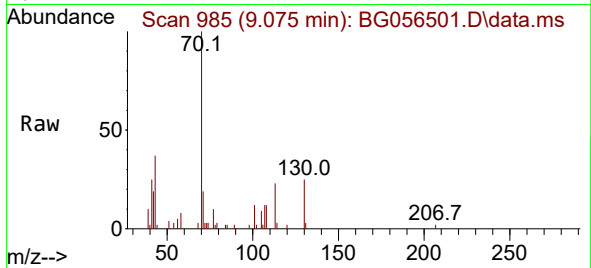




#19
n-Nitroso-di-n-propylamine
Concen: 7.476 ng
RT: 9.075 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

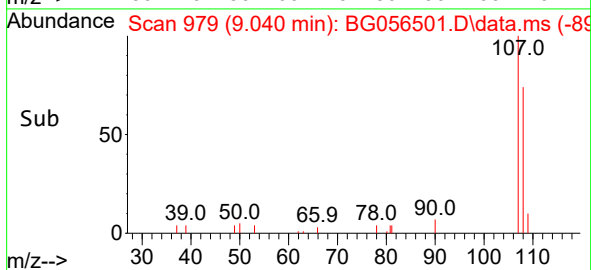
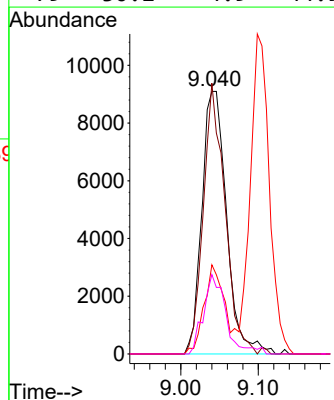
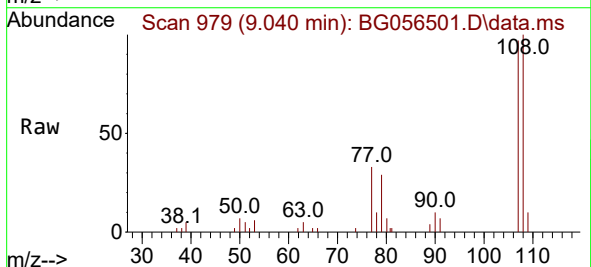
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

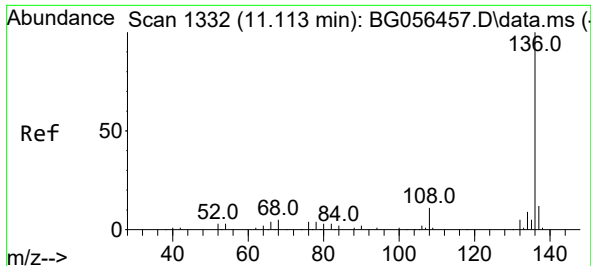
Tgt Ion: 70 Resp: 11958
Ion Ratio Lower Upper
70 100
42 19.5 20.2 30.4#
101 11.9 9.1 13.7
130 25.5 21.1 31.7



#20
3+4-Methylphenols
Concen: 6.696 ng
RT: 9.040 min Scan# 979
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 107 Resp: 20140
Ion Ratio Lower Upper
107 100
108 103.1 66.7 106.7
77 33.9 10.6 50.6
79 30.2 4.9 44.9

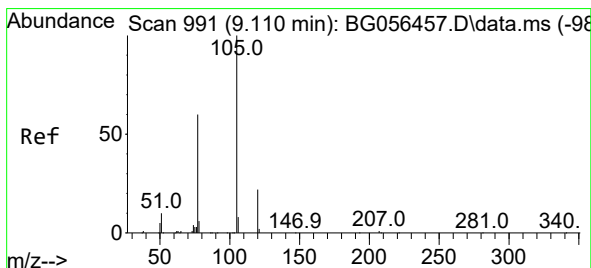
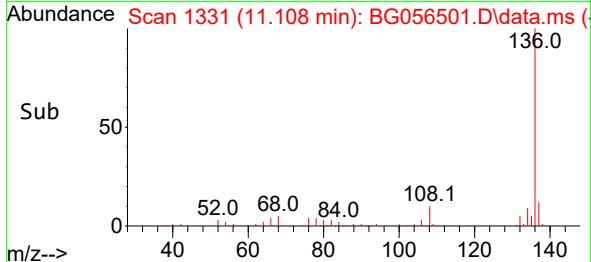
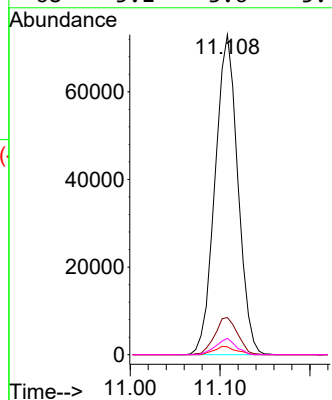
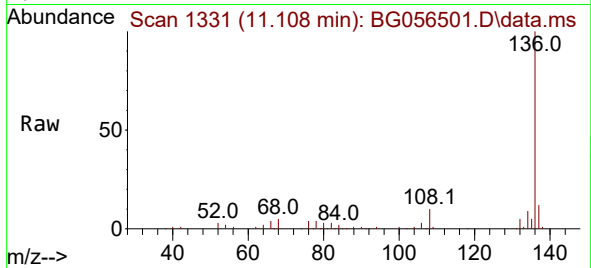




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

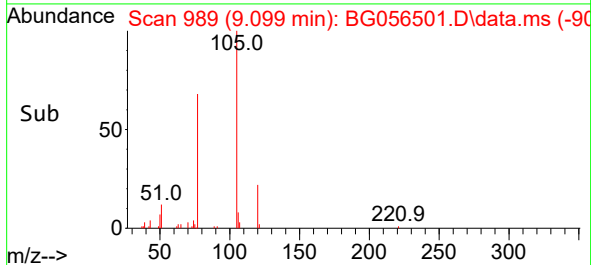
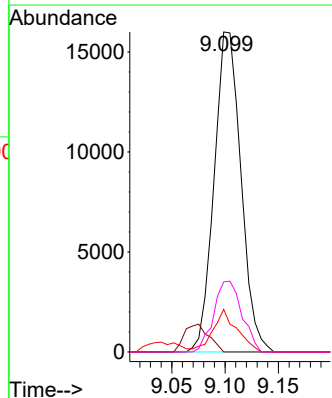
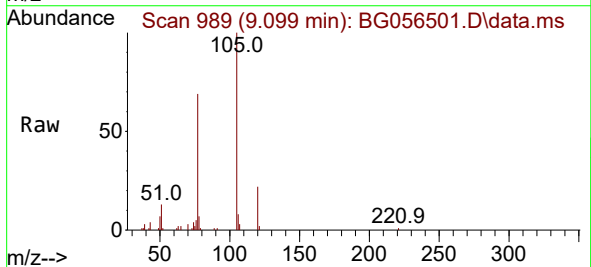
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

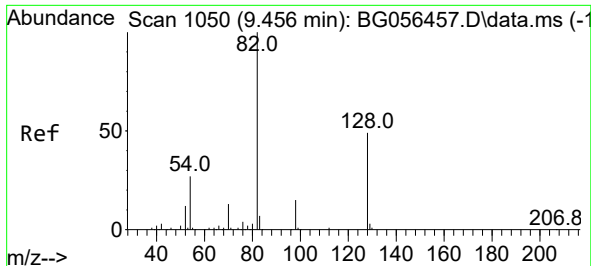
Tgt Ion:136 Resp: 128407
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 2.5 2.2 3.4
68 5.1 3.6 5.4



#22
Acetophenone
Concen: 8.205 ng
RT: 9.099 min Scan# 989
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:105 Resp: 27994
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8#
51 13.3 9.2 13.8
120 21.9 17.4 26.0

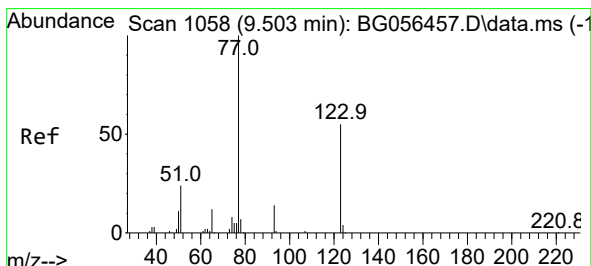
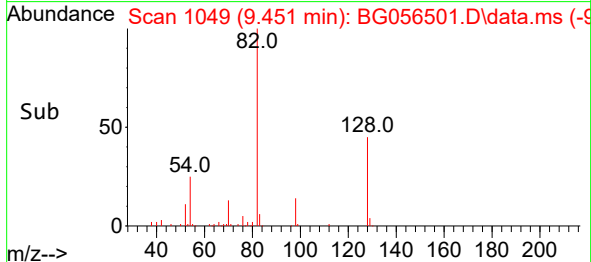
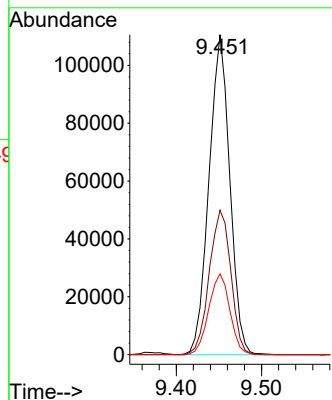
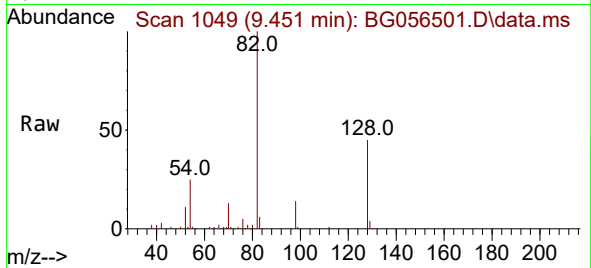




#23
Nitrobenzene-d5
Concen: 82.920 ng
RT: 9.451 min Scan# 1049
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

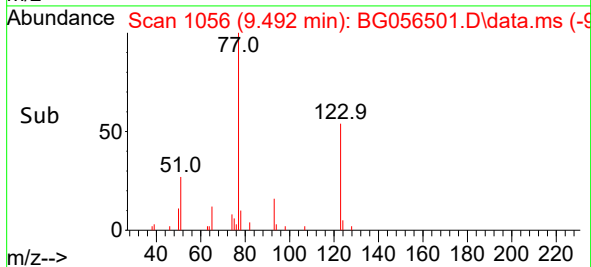
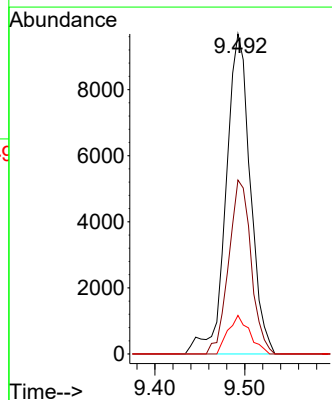
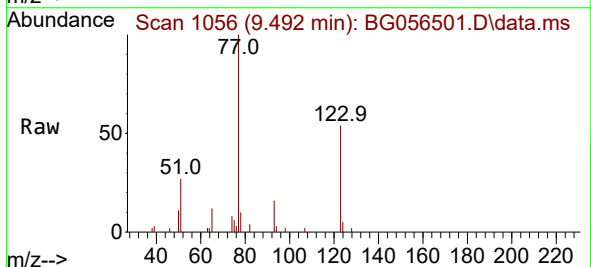
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

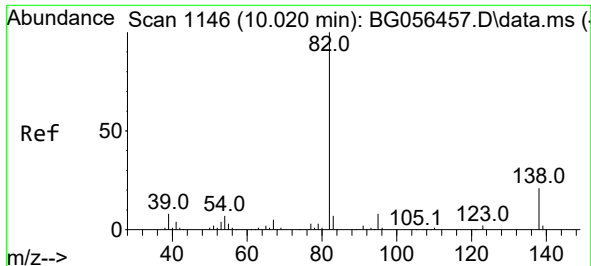
Tgt Ion: 82 Resp: 187505
Ion Ratio Lower Upper
82 100
128 45.2 39.4 59.2
54 25.2 21.4 32.2



#24
Nitrobenzene
Concen: 8.313 ng
RT: 9.492 min Scan# 1056
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 77 Resp: 18133
Ion Ratio Lower Upper
77 100
123 54.4 44.0 66.0
65 12.0 9.7 14.5

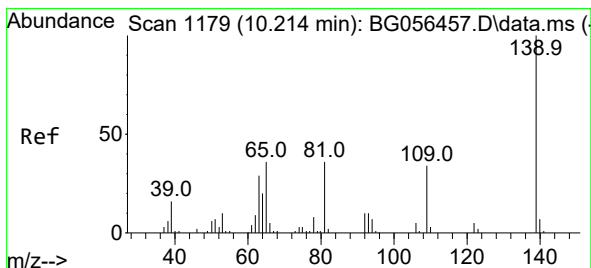
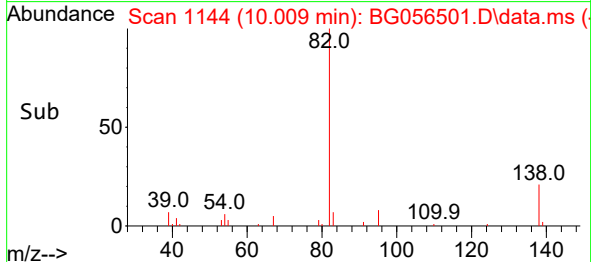
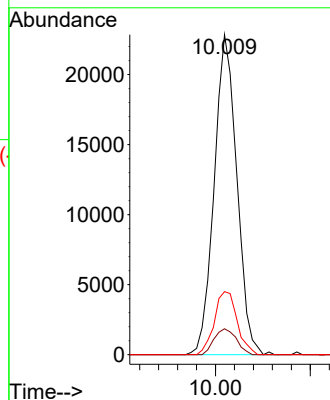
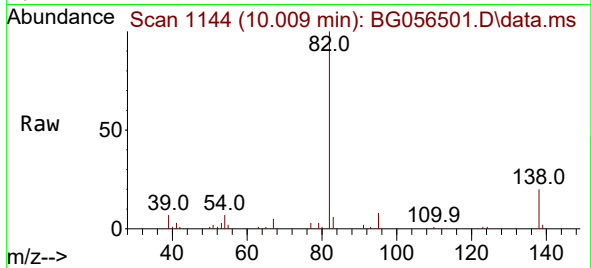




#25
Isophorone
Concen: 8.113 ng
RT: 10.009 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

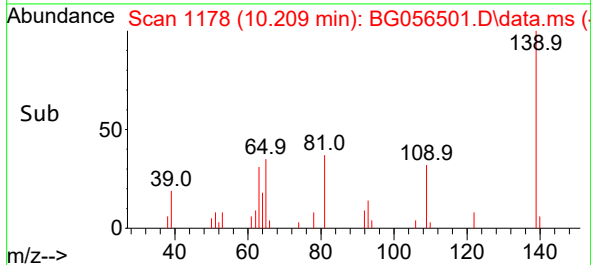
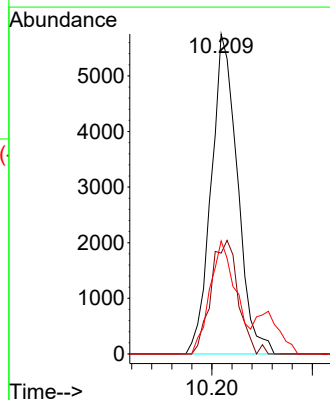
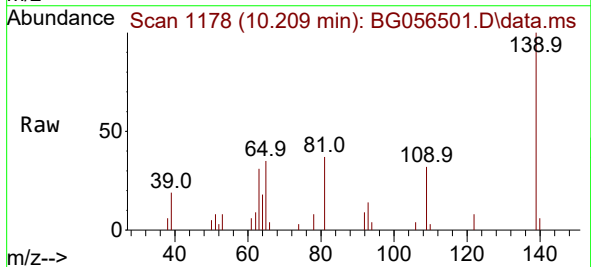
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

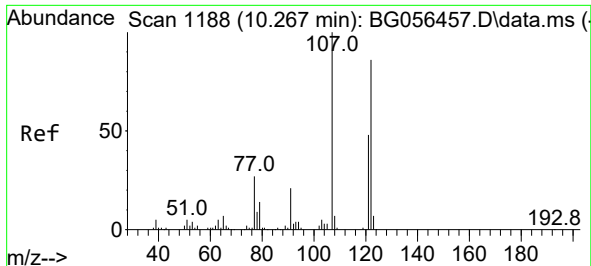
Tgt Ion: 82 Resp: 37849
Ion Ratio Lower Upper
82 100
95 8.1 6.3 9.5
138 19.7 16.6 25.0



#26
2-Nitrophenol
Concen: 7.874 ng
RT: 10.209 min Scan# 1178
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:139 Resp: 10421
Ion Ratio Lower Upper
139 100
109 31.5 26.9 40.3
65 35.3 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 7.228 ng

RT: 10.256 min Scan# 1186

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

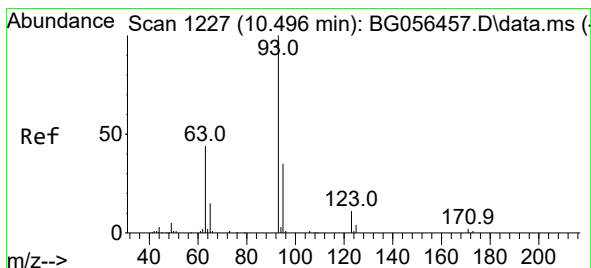
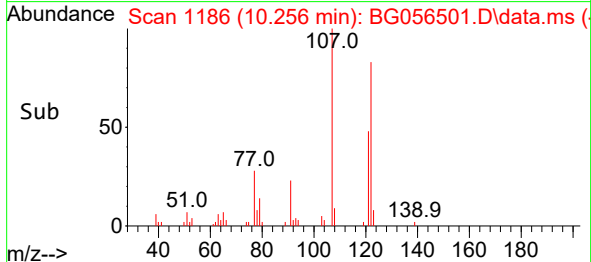
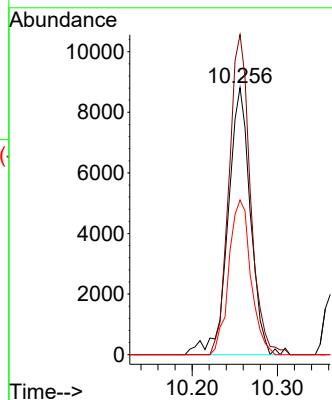
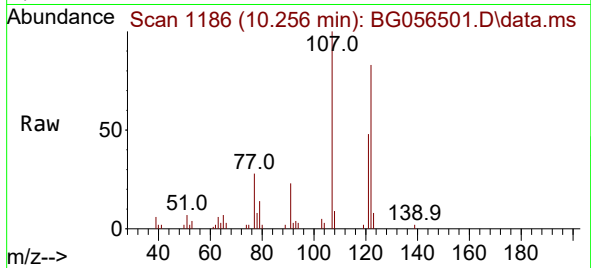
Tgt Ion:122 Resp: 16008

Ion Ratio Lower Upper

122 100

107 119.9 92.9 139.3

121 58.0 45.0 67.4



#28

bis(2-Chloroethoxy)methane

Concen: 8.109 ng

RT: 10.485 min Scan# 1225

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

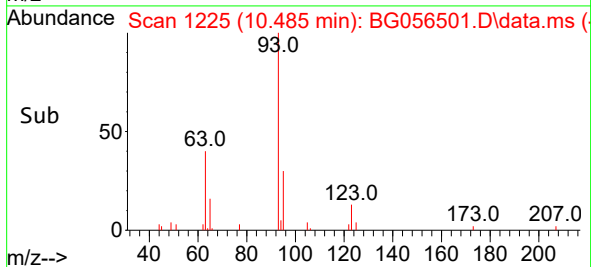
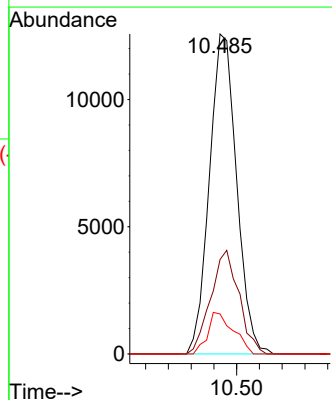
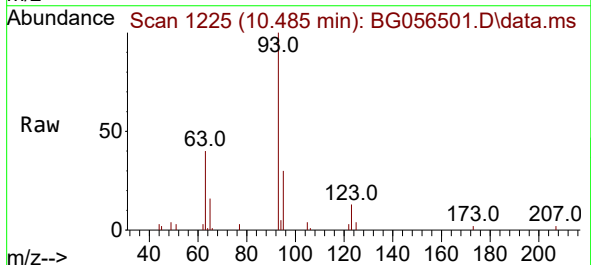
Tgt Ion: 93 Resp: 20897

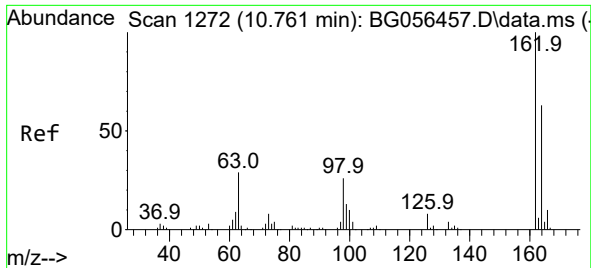
Ion Ratio Lower Upper

93 100

95 29.5 27.9 41.9

123 12.5 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 7.907 ng

RT: 10.750 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

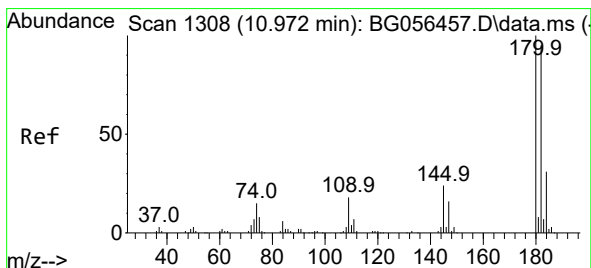
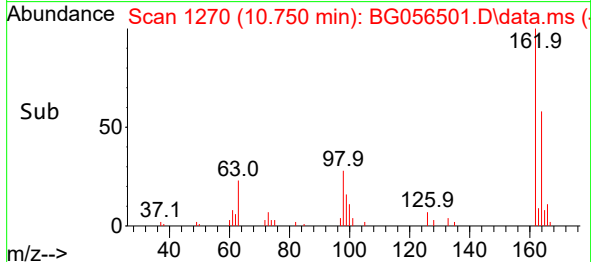
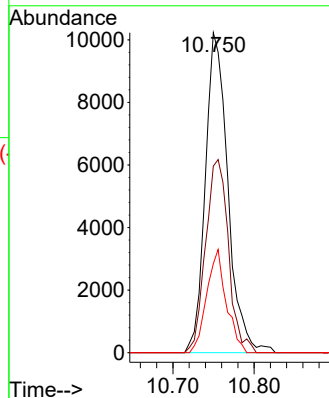
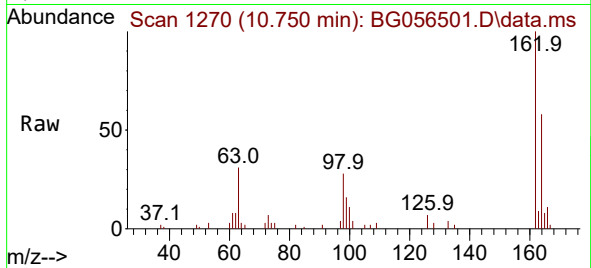
Tgt Ion:162 Resp: 19712

Ion Ratio Lower Upper

162 100

164 58.3 42.8 82.8

98 27.8 6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 8.382 ng

RT: 10.967 min Scan# 1307

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

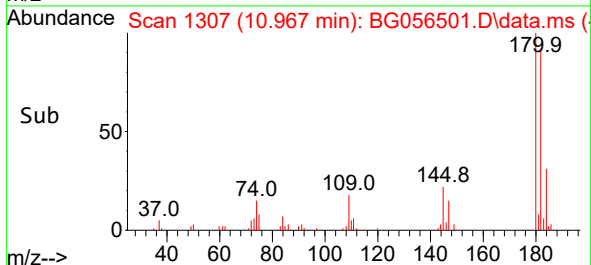
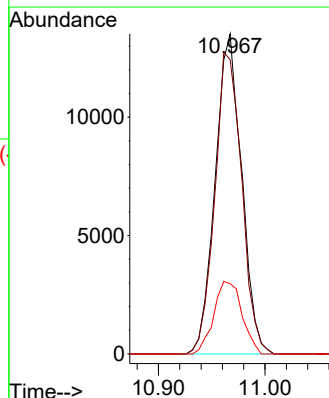
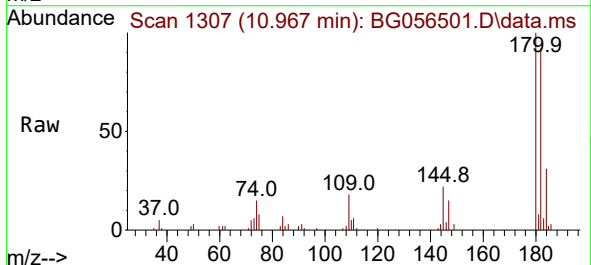
Tgt Ion:180 Resp: 23222

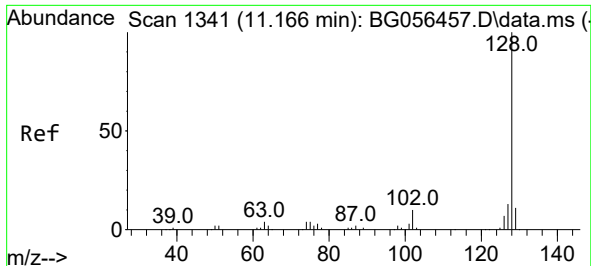
Ion Ratio Lower Upper

180 100

182 92.0 75.9 113.9

145 21.9 19.4 29.0

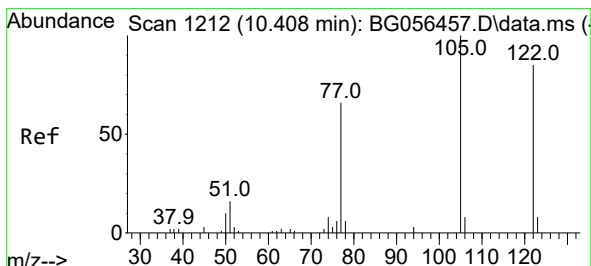
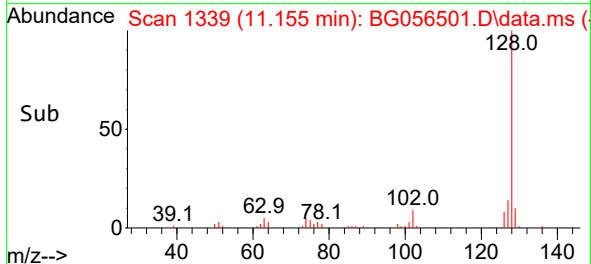
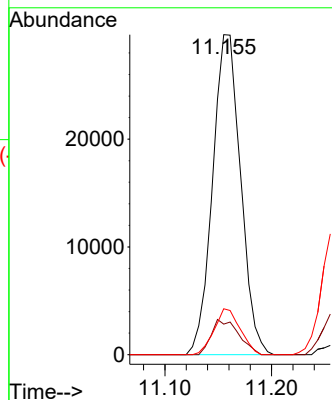
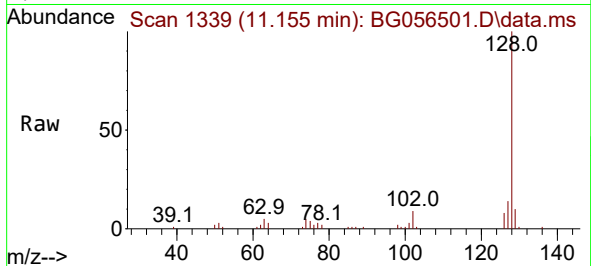




#31
Naphthalene
Concen: 8.000 ng
RT: 11.155 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

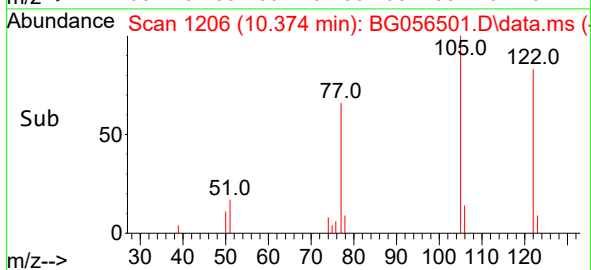
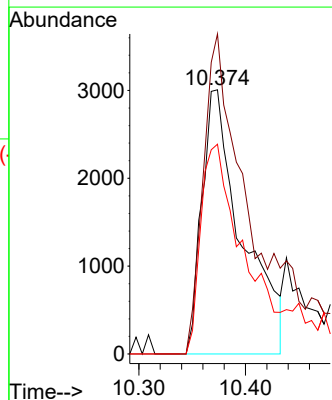
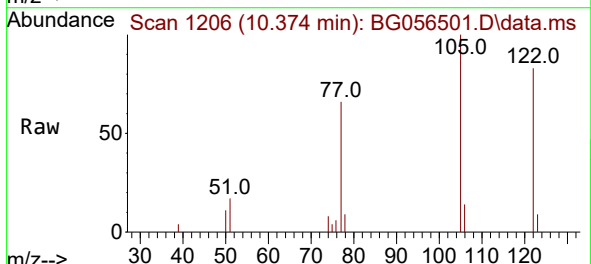
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

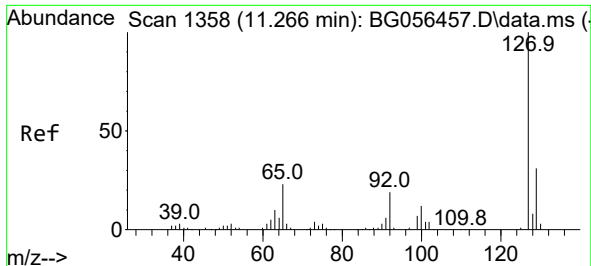
Tgt Ion:128 Resp: 54216
Ion Ratio Lower Upper
128 100
129 9.6 8.7 13.1
127 14.3 10.4 15.6



#32
Benzoic acid
Concen: 6.325 ng
RT: 10.374 min Scan# 1206
Delta R.T. -0.029 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:122 Resp: 7838
Ion Ratio Lower Upper
122 100
105 121.1 96.5 136.5
77 79.4 57.3 97.3

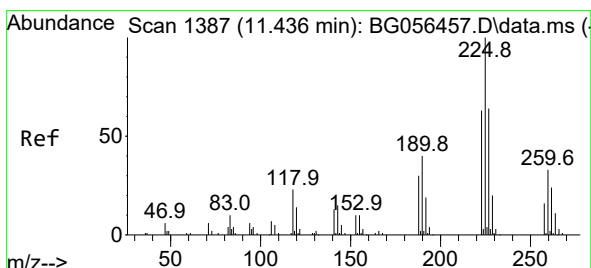
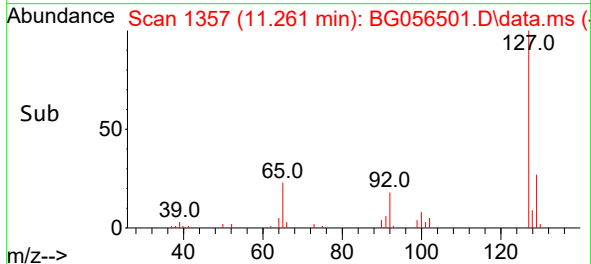
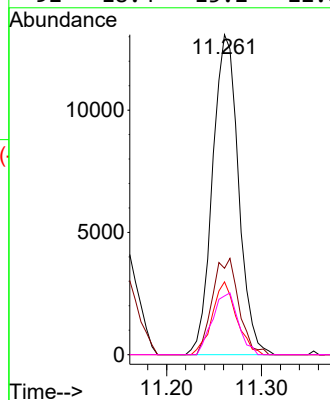
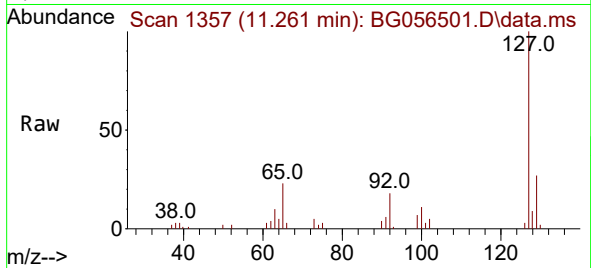




#33
4-Chloroaniline
Concen: 7.872 ng
RT: 11.261 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

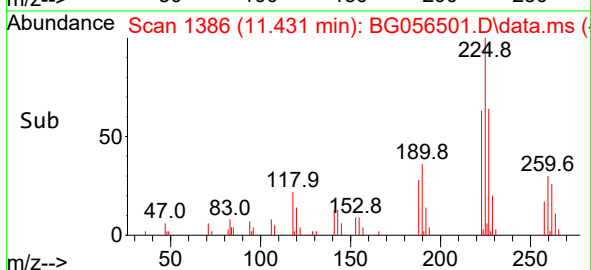
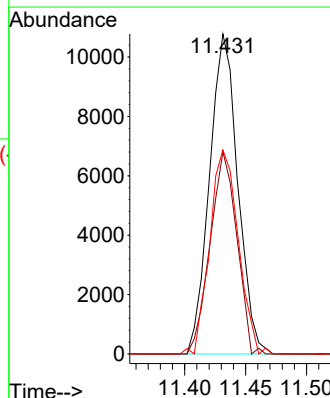
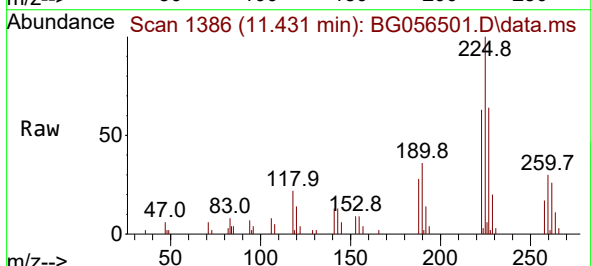
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

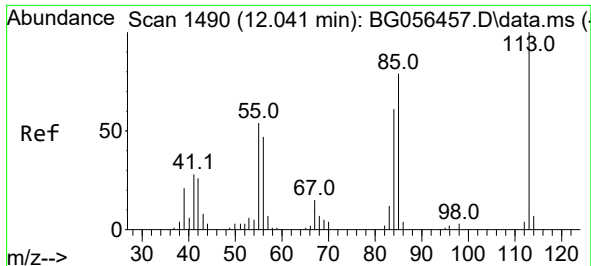
Tgt Ion:	127	Resp:	24905
Ion	Ratio	Lower	Upper
127	100		
129	27.0	25.0	37.6
65	22.7	18.5	27.7
92	18.4	15.2	22.8



#34
Hexachlorobutadiene
Concen: 8.933 ng
RT: 11.431 min Scan# 1386
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:	225	Resp:	17372
Ion	Ratio	Lower	Upper
225	100		
223	66.6	50.6	75.8
227	66.1	53.7	80.5

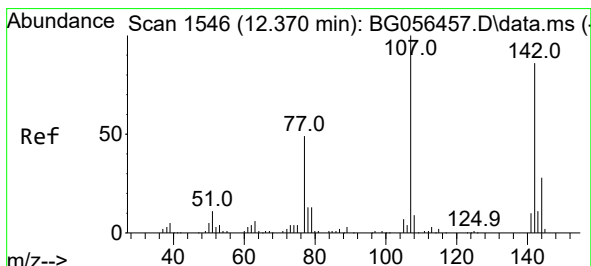
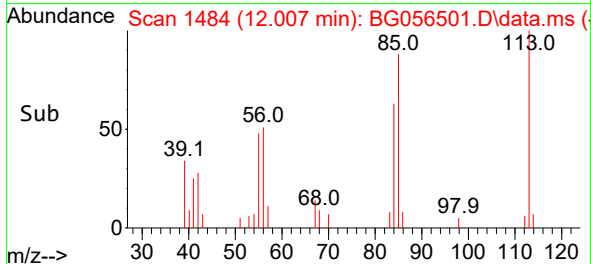
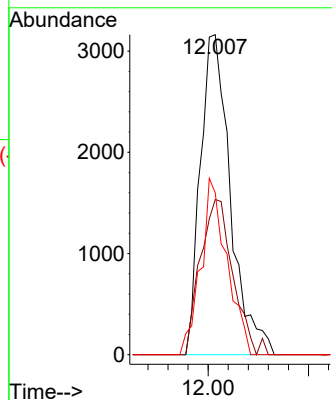
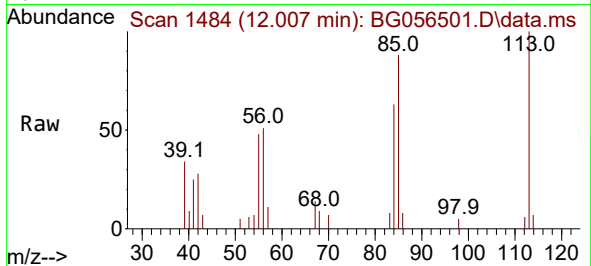




#35
Caprolactam
Concen: 7.826 ng
RT: 12.007 min Scan# 1490
Delta R.T. -0.023 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

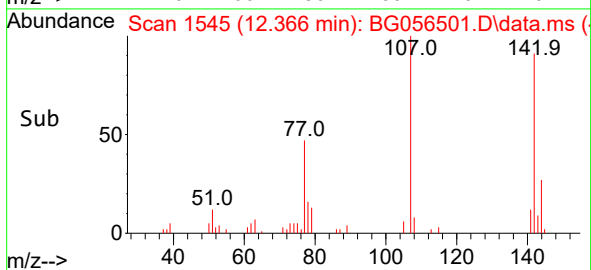
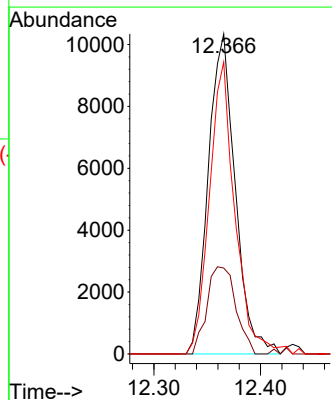
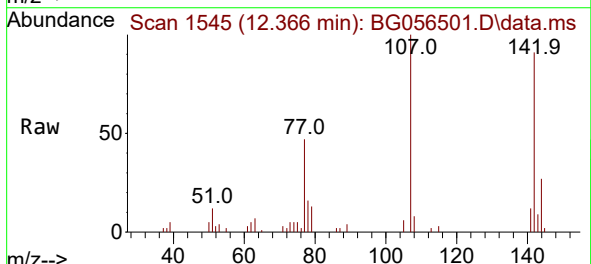
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

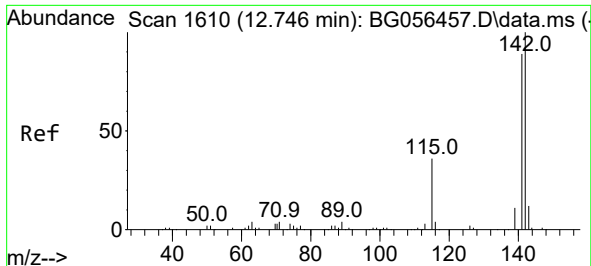
Tgt Ion:113 Resp: 6580
Ion Ratio Lower Upper
113 100
55 48.5 33.7 73.7
56 50.6 27.1 67.1



#36
4-Chloro-3-methylphenol
Concen: 7.537 ng
RT: 12.366 min Scan# 1545
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:107 Resp: 18147
Ion Ratio Lower Upper
107 100
144 26.9 22.3 33.5
142 91.2 68.9 103.3





#37

2-Methylnaphthalene

Concen: 7.928 ng

RT: 12.742 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG056501.D

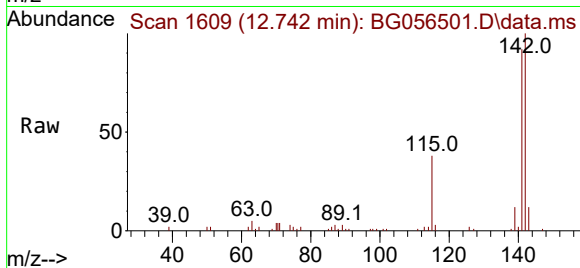
Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022



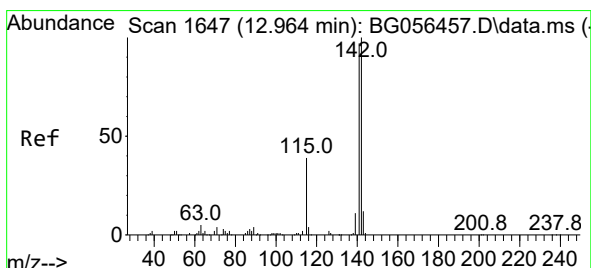
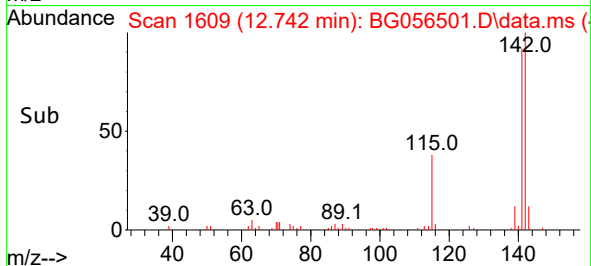
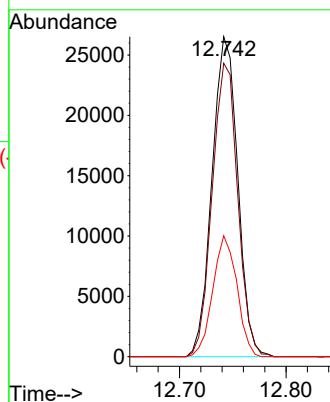
Tgt Ion:142 Resp: 44297

Ion Ratio Lower Upper

142 100

141 91.7 71.4 107.0

115 37.8 28.4 42.6



#38

1-Methylnaphthalene

Concen: 8.126 ng

RT: 12.959 min Scan# 1646

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

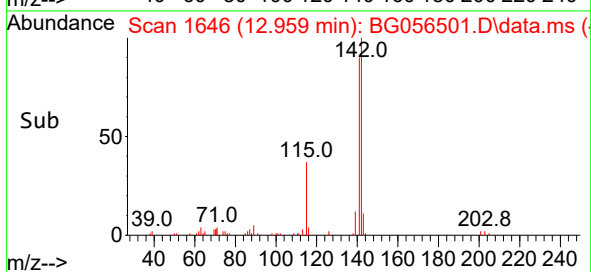
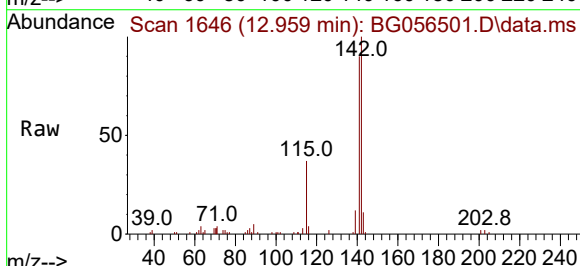
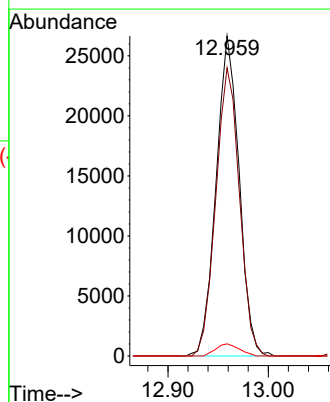
Tgt Ion:142 Resp: 42405

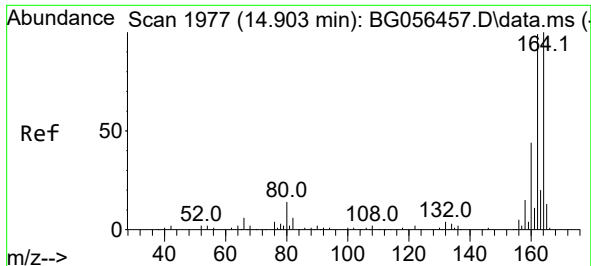
Ion Ratio Lower Upper

142 100

141 90.0 77.7 116.5

116 3.8 3.4 5.2

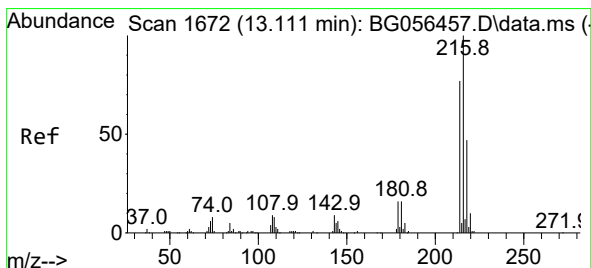
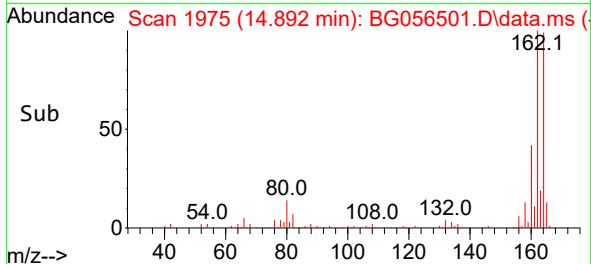
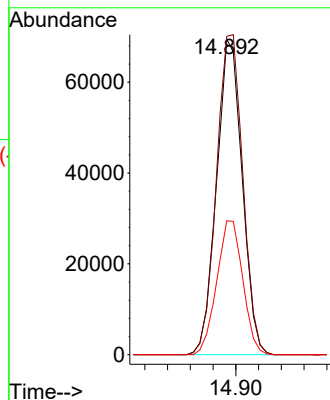
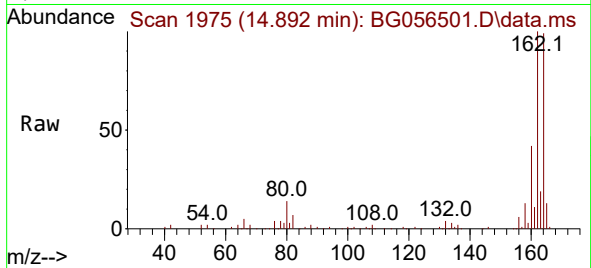




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.892 min Scan# 1975
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

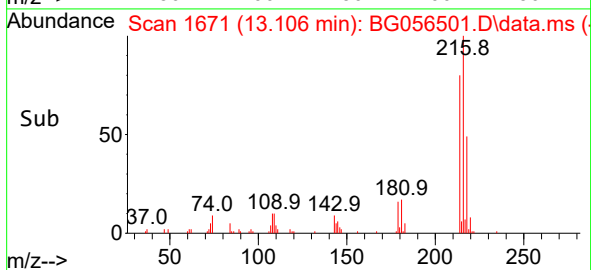
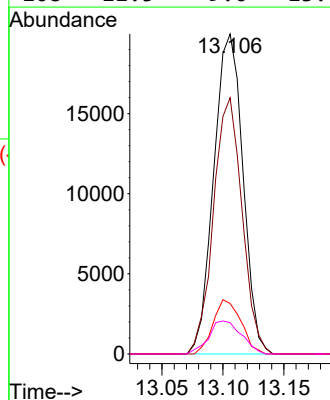
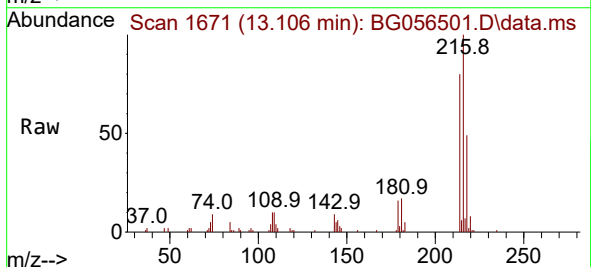
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

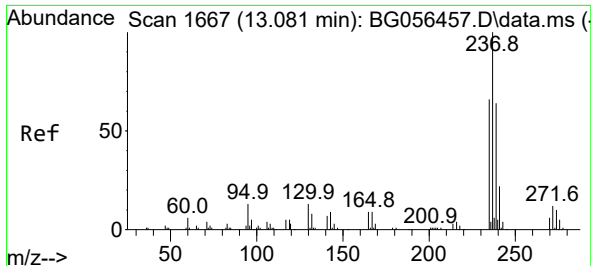
Tgt Ion:164 Resp: 108535
Ion Ratio Lower Upper
164 100
162 100.8 79.6 119.4
160 42.4 34.9 52.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.375 ng
RT: 13.106 min Scan# 1671
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

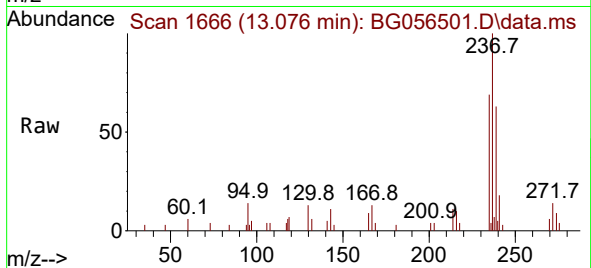
Tgt Ion:216 Resp: 33209
Ion Ratio Lower Upper
216 100
214 78.6 63.0 94.6
179 16.2 14.1 21.1
108 11.5 9.0 13.6



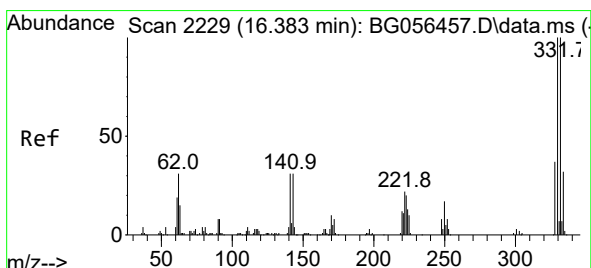
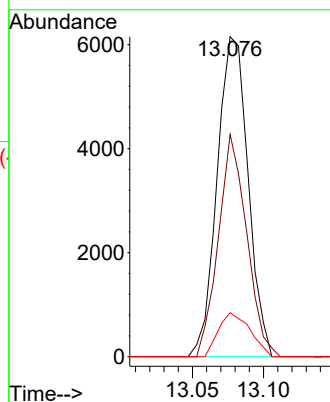
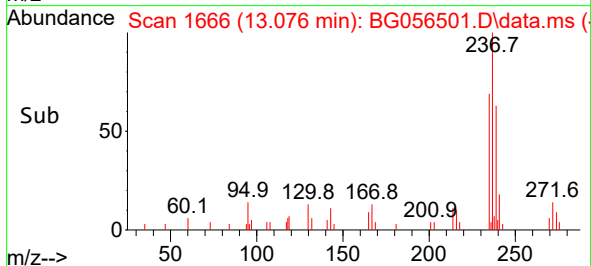


#41
Hexachlorocyclopentadiene
Concen: 10.447 ng
RT: 13.076 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

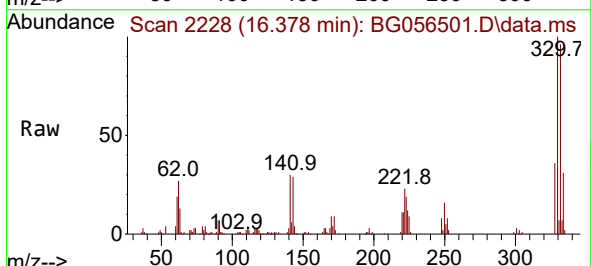
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



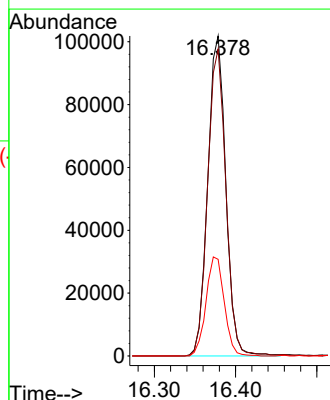
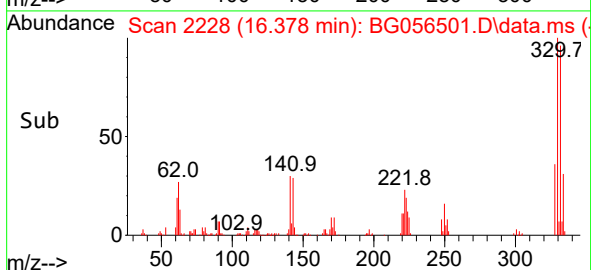
Tgt Ion:237 Resp: 9308
Ion Ratio Lower Upper
237 100
235 69.4 45.6 85.6
272 13.8 0.0 32.3

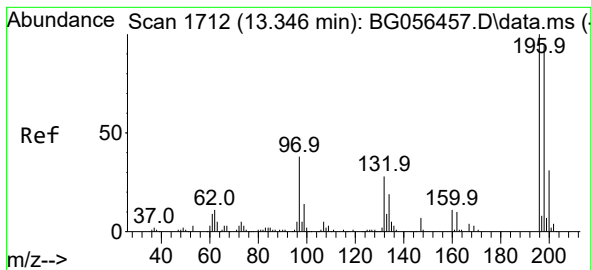


#42
2,4,6-Tribromophenol
Concen: 108.623 ng
RT: 16.378 min Scan# 2228
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



Tgt Ion:330 Resp: 156733
Ion Ratio Lower Upper
330 100
332 97.1 79.0 118.6
141 31.3 24.2 36.4





#43

2,4,6-Trichlorophenol

Concen: 7.520 ng

RT: 13.341 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

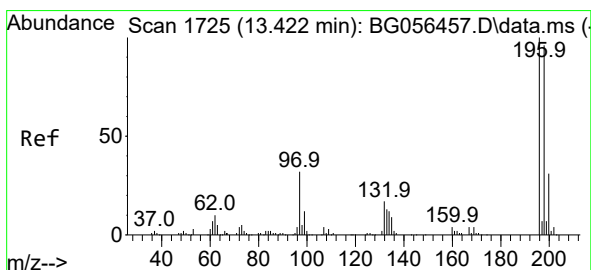
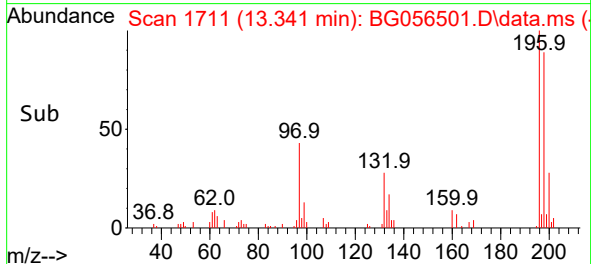
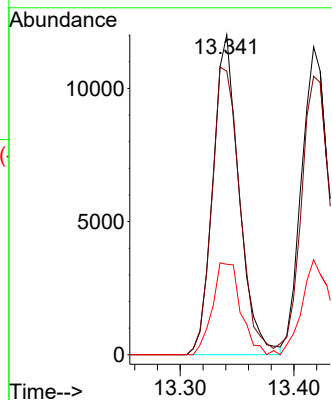
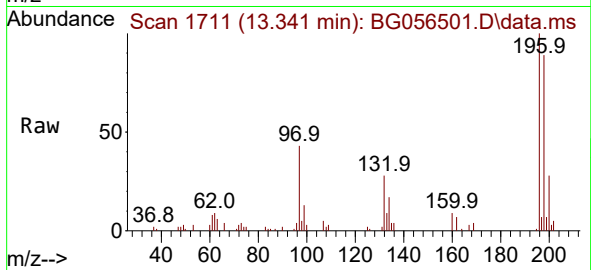
Tgt Ion:196 Resp: 19215

Ion Ratio Lower Upper

196 100

198 88.6 75.4 113.0

200 28.2 25.0 37.6



#44

2,4,5-Trichlorophenol

Concen: 7.202 ng

RT: 13.417 min Scan# 1724

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Tgt Ion:196 Resp: 21546

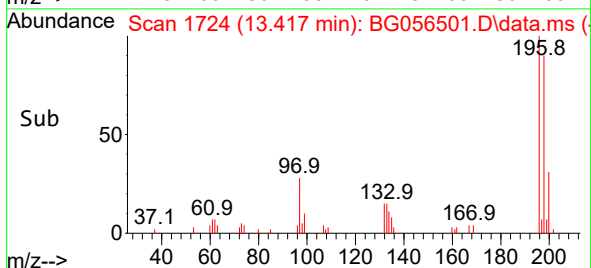
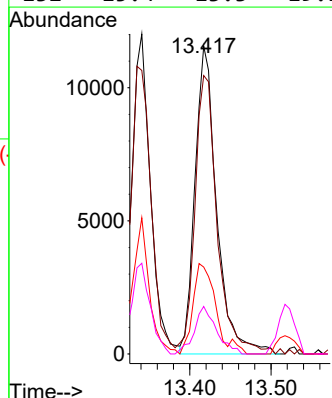
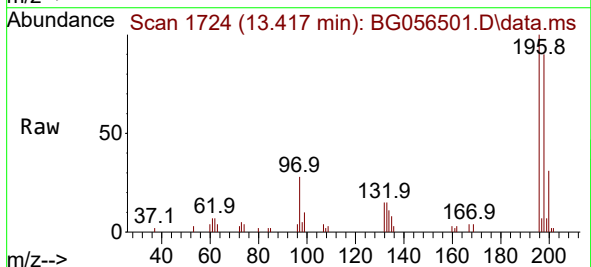
Ion Ratio Lower Upper

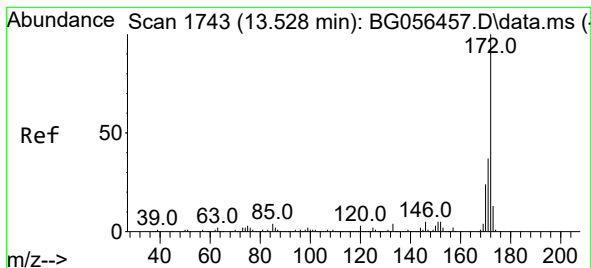
196 100

198 90.5 76.9 115.3

97 28.2 25.8 38.6

132 15.4 13.3 19.9





#45

2-Fluorobiphenyl

Concen: 83.264 ng

RT: 13.523 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

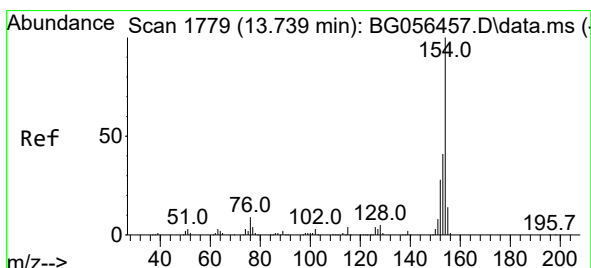
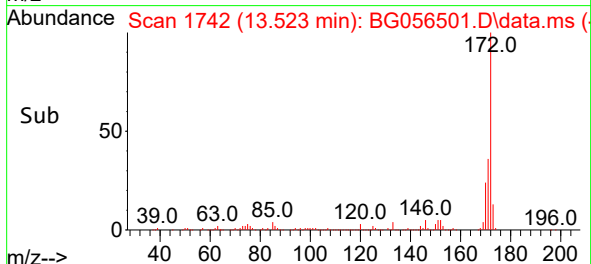
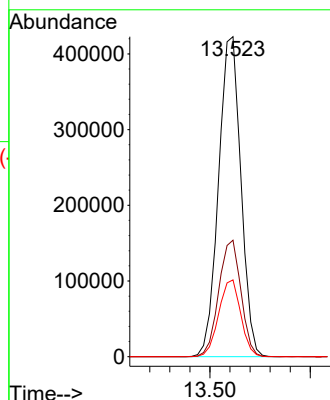
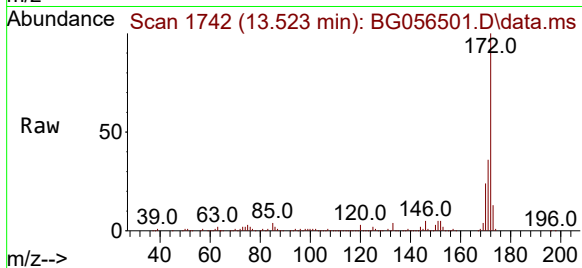
Tgt Ion:172 Resp: 651827

Ion Ratio Lower Upper

172 100

171 36.4 29.5 44.3

170 24.0 19.2 28.8



#46

1,1'-Biphenyl

Concen: 8.106 ng

RT: 13.729 min Scan# 1777

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

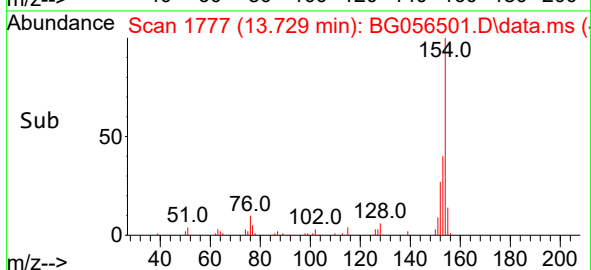
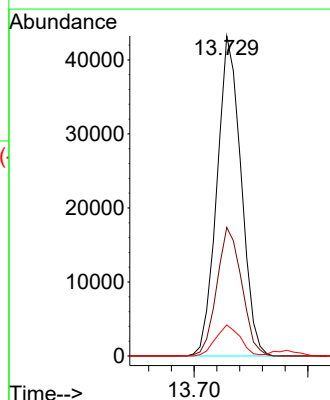
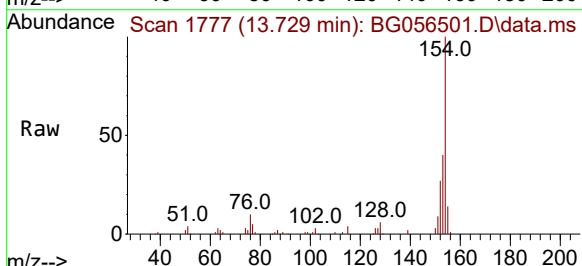
Tgt Ion:154 Resp: 63810

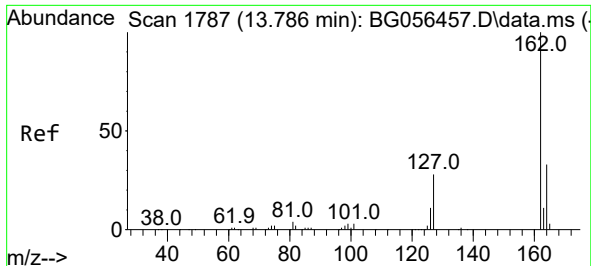
Ion Ratio Lower Upper

154 100

153 40.1 21.5 61.5

76 9.7 0.0 28.8

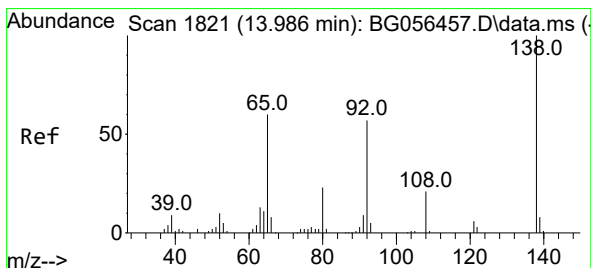
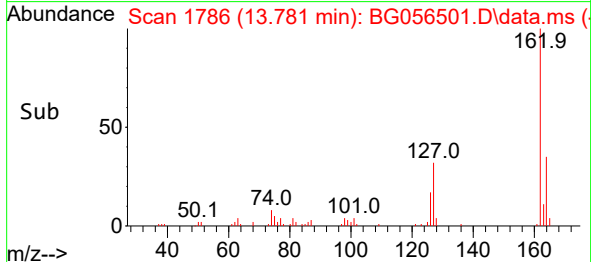
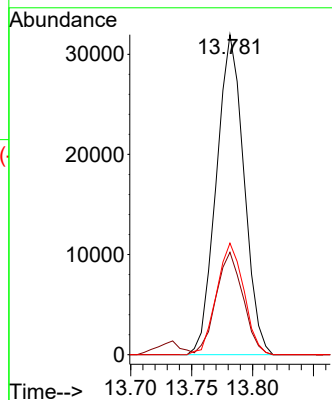
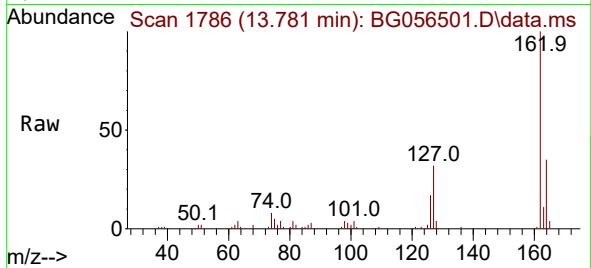




#47
2-Chloronaphthalene
Concen: 8.178 ng
RT: 13.781 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

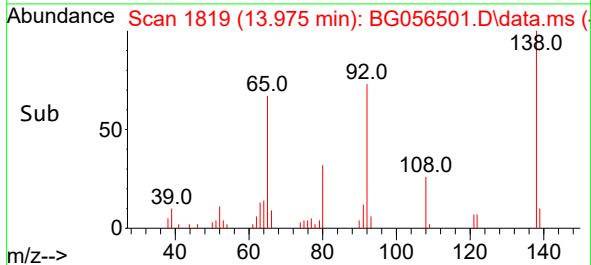
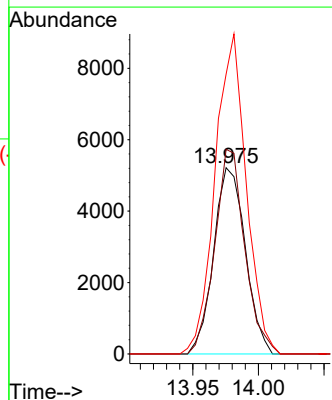
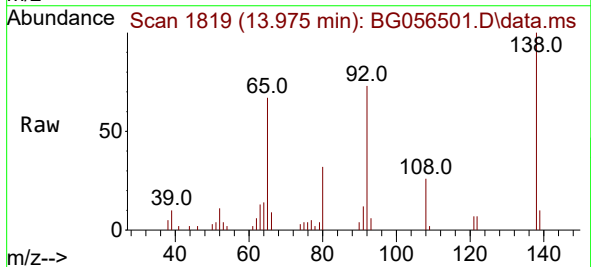
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

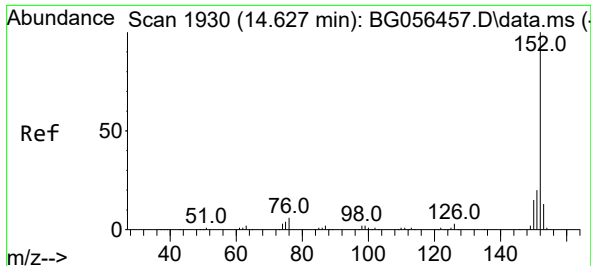
Tgt Ion:162 Resp: 50321
Ion Ratio Lower Upper
162 100
127 32.0 25.2 37.8
164 34.9 26.2 39.2



#48
2-Nitroaniline
Concen: 6.898 ng
RT: 13.975 min Scan# 1819
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 65 Resp: 8774
Ion Ratio Lower Upper
65 100
92 109.9 75.8 113.6
138 150.2 133.2 199.8

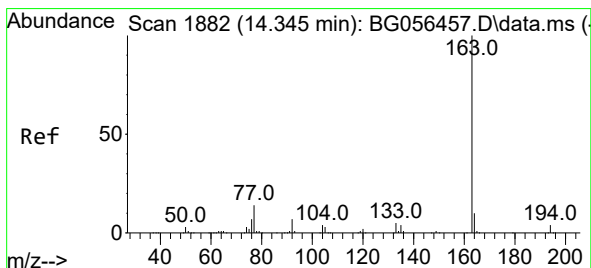
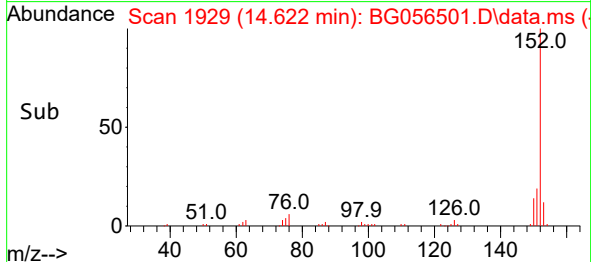
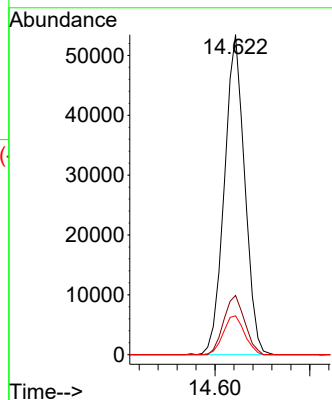
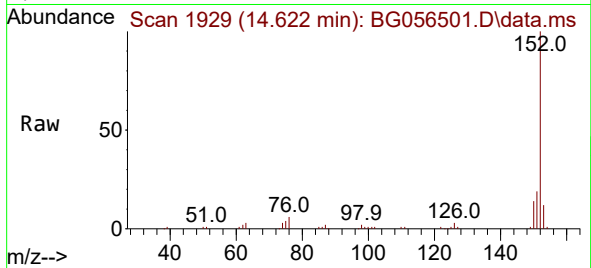




#49
Acenaphthylene
Concen: 7.952 ng
RT: 14.622 min Scan# 1930
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

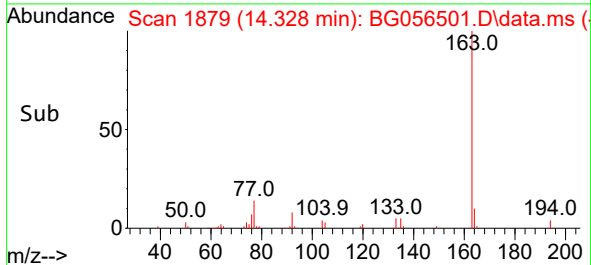
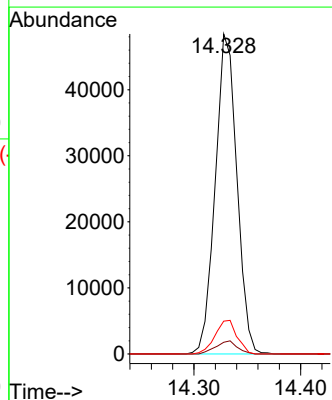
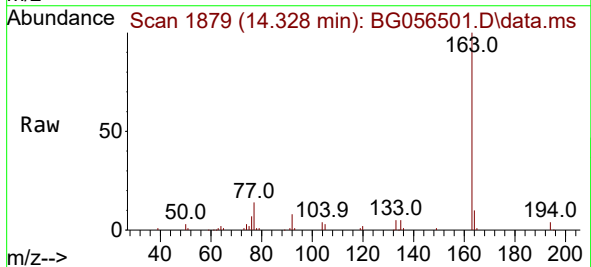
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

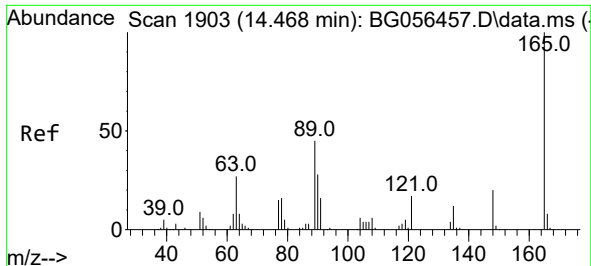
Tgt Ion:152 Resp: 79607
Ion Ratio Lower Upper
152 100
151 18.5 15.9 23.9
153 12.1 10.5 15.7



#50
Dimethylphthalate
Concen: 7.748 ng
RT: 14.328 min Scan# 1879
Delta R.T. -0.011 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:163 Resp: 68035
Ion Ratio Lower Upper
163 100
194 3.6 3.5 5.3
164 10.2 8.1 12.1

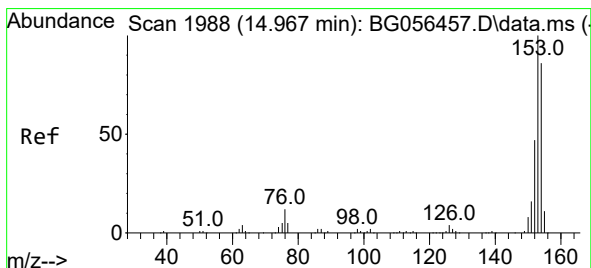
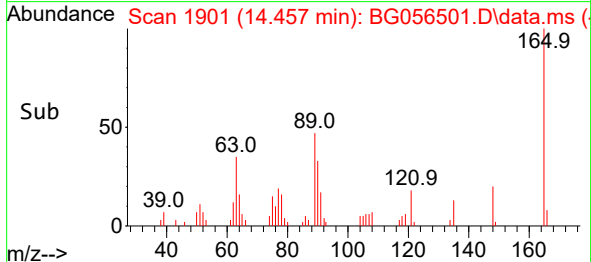
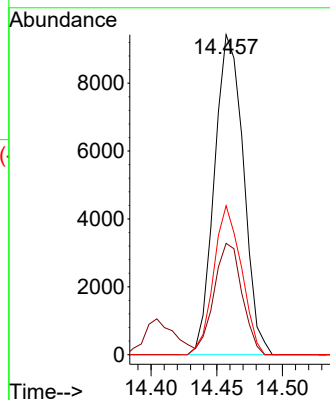
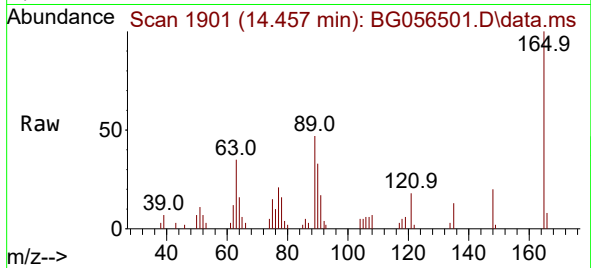




#51
2,6-Dinitrotoluene
Concen: 7.568 ng
RT: 14.457 min Scan# 1901
Delta R.T. -0.011 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

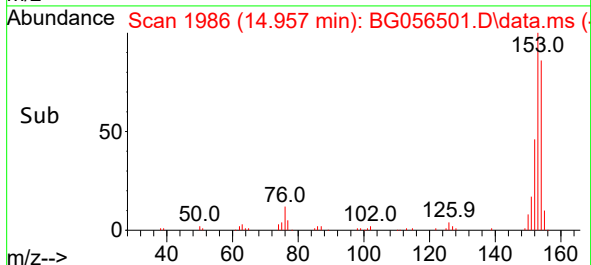
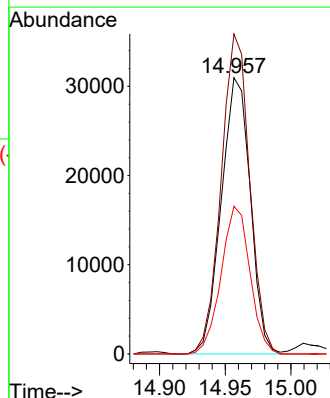
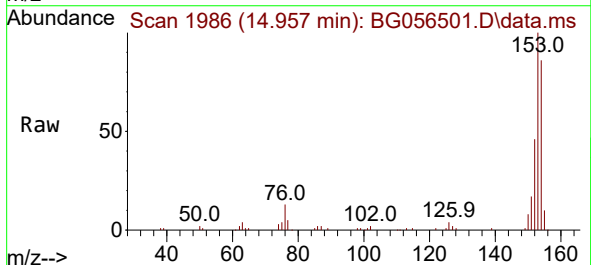
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

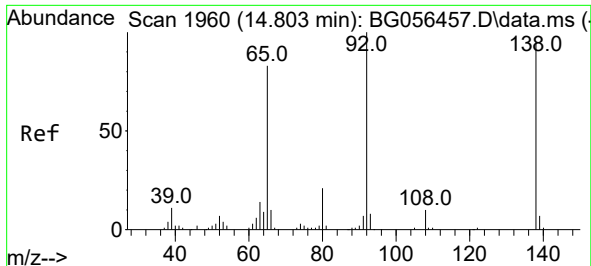
Tgt Ion:165 Resp: 14492
Ion Ratio Lower Upper
165 100
63 34.8 26.9 40.3
89 46.6 35.6 53.4



#52
Acenaphthene
Concen: 8.025 ng
RT: 14.957 min Scan# 1986
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

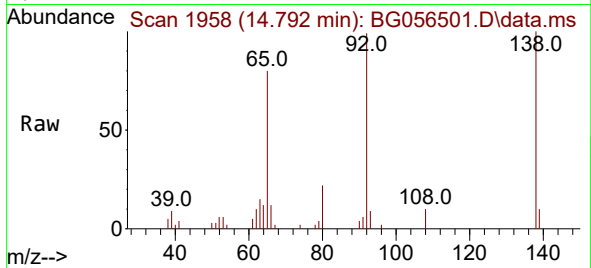
Tgt Ion:154 Resp: 47644
Ion Ratio Lower Upper
154 100
153 115.8 93.4 140.0
152 53.4 43.4 65.2



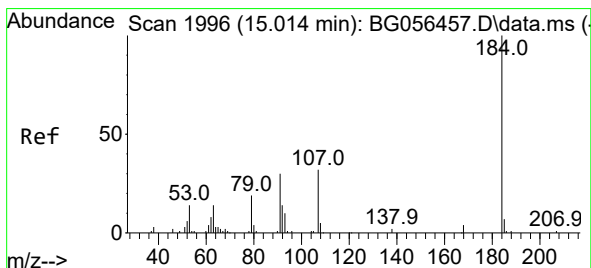
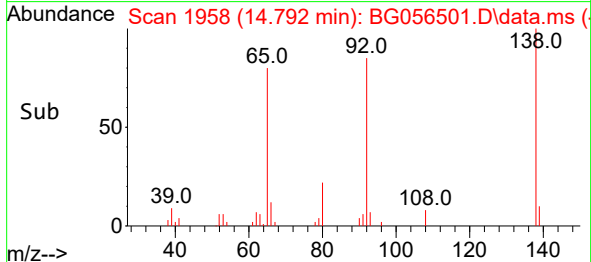
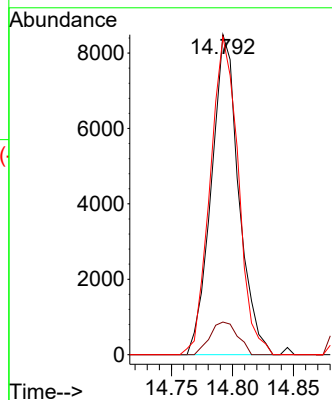


#53
3-Nitroaniline
Concen: 7.163 ng
RT: 14.792 min Scan# 1958
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

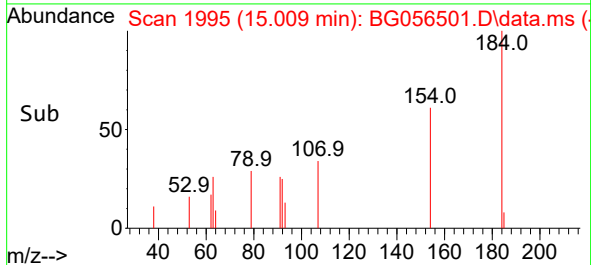
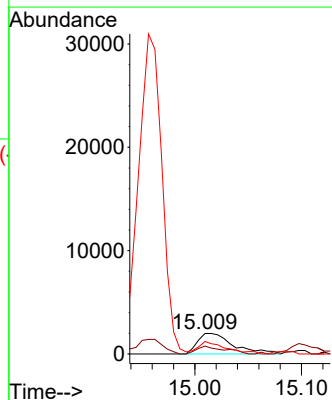
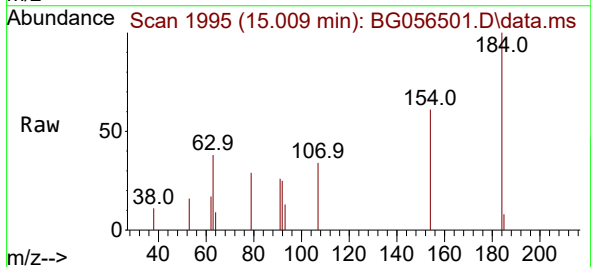


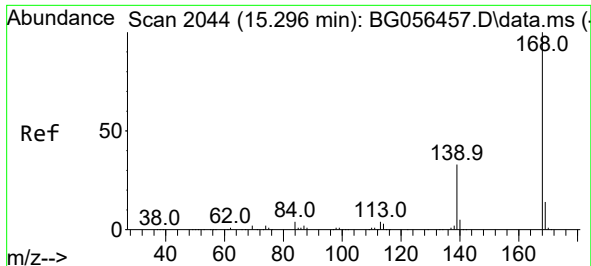
Tgt Ion:138 Resp: 13298
Ion Ratio Lower Upper
138 100
108 10.2 8.0 12.0
92 99.3 84.1 126.1



#54
2,4-Dinitrophenol
Concen: 3.850 ng
RT: 15.009 min Scan# 1995
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:184 Resp: 4622
Ion Ratio Lower Upper
184 100
63 38.1 25.1 37.7#
154 61.0 44.8 67.2

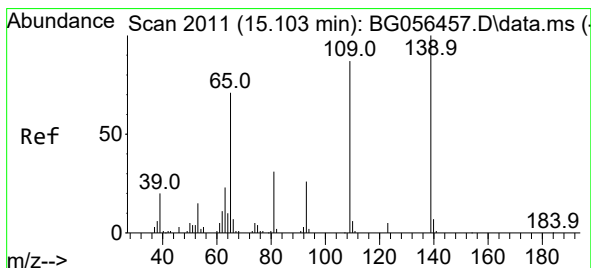
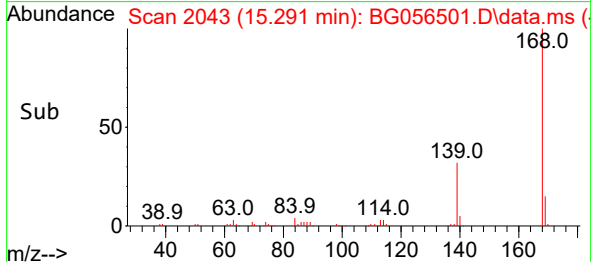
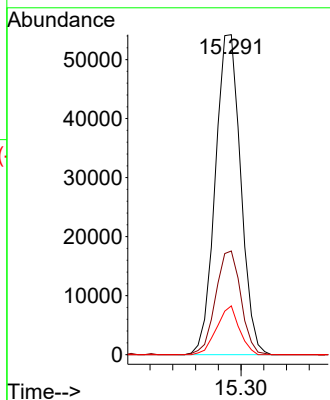
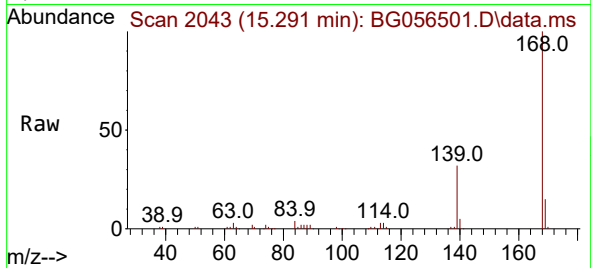




#55
Dibenzofuran
Concen: 7.909 ng
RT: 15.291 min Scan# 2044
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

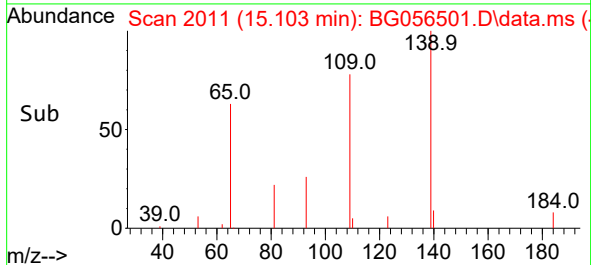
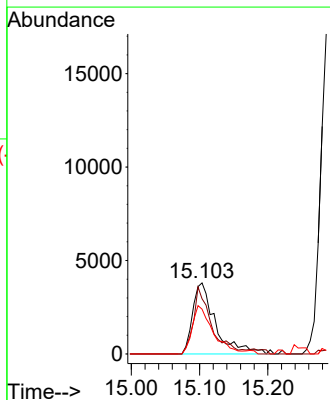
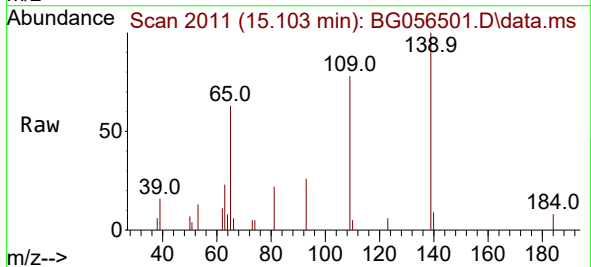
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

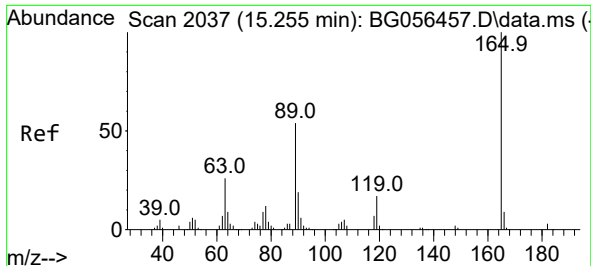
Tgt Ion:168 Resp: 84201
Ion Ratio Lower Upper
168 100
139 32.4 26.2 39.2
169 15.3 11.0 16.6



#56
4-Nitrophenol
Concen: 6.970 ng
RT: 15.103 min Scan# 2011
Delta R.T. 0.007 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:139 Resp: 8841
Ion Ratio Lower Upper
139 100
109 77.8 67.5 107.5
65 63.0 50.7 90.7





#57

2,4-Dinitrotoluene

Concen: 7.597 ng

RT: 15.244 min Scan# 2035

Delta R.T. -0.005 min

Lab File: BG056501.D

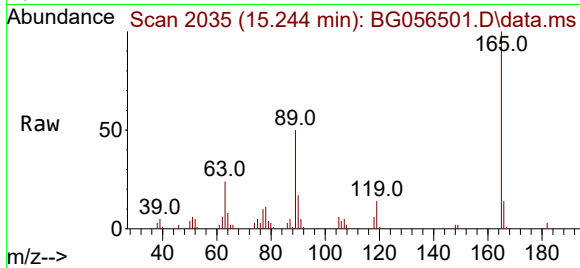
Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:165 Resp: 20491

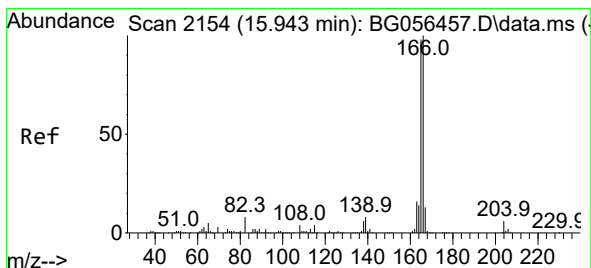
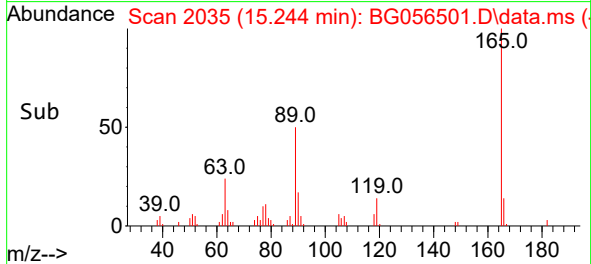
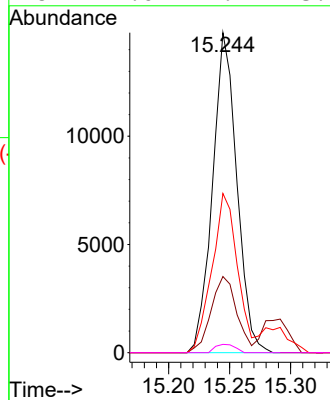
Ion Ratio Lower Upper

165 100

63 23.8 20.6 31.0

89 49.7 43.1 64.7

182 2.6 2.4 3.6



#58

Fluorene

Concen: 8.155 ng

RT: 15.938 min Scan# 2153

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

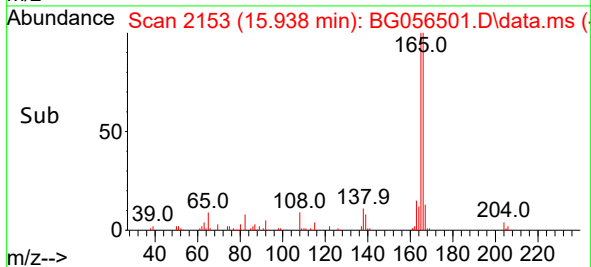
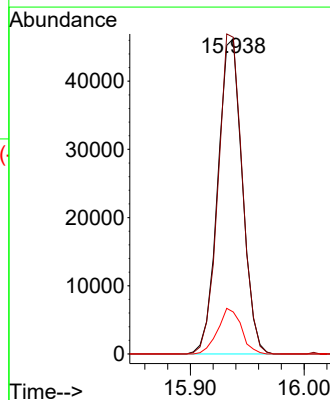
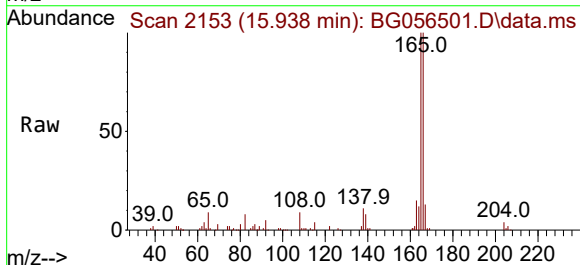
Tgt Ion:166 Resp: 69091

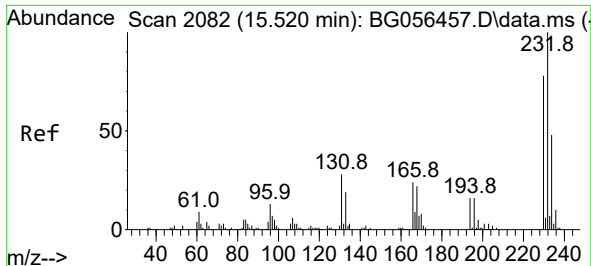
Ion Ratio Lower Upper

166 100

165 100.4 78.8 118.2

167 13.3 10.6 15.8

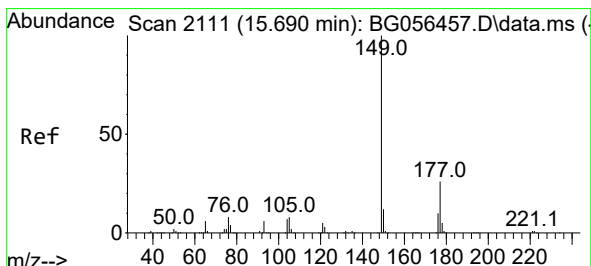
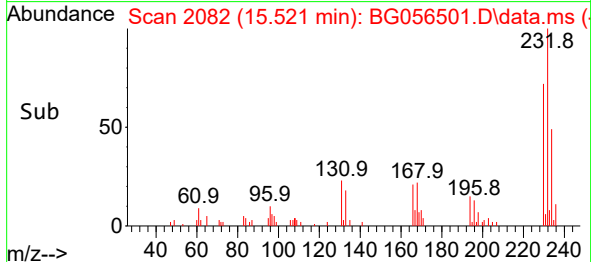
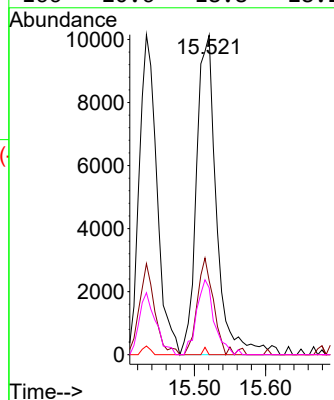
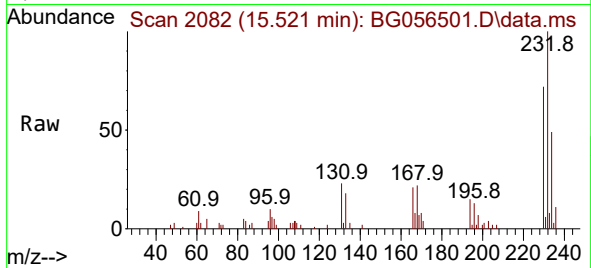




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.483 ng
RT: 15.521 min Scan# 2082
Delta R.T. 0.007 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

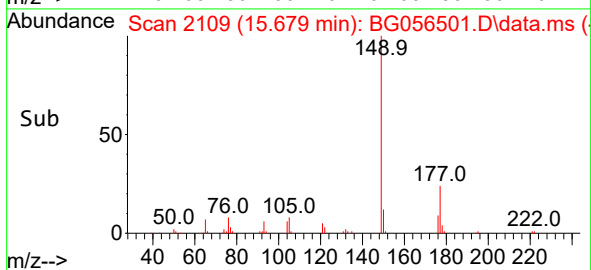
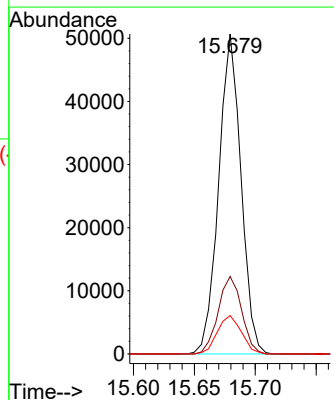
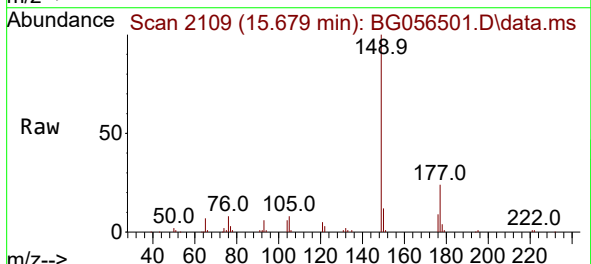
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

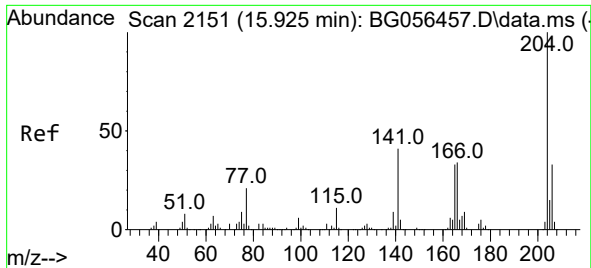
Tgt Ion:232 Resp: 19905
Ion Ratio Lower Upper
232 100
131 24.2 22.8 34.2
130 0.4 1.4 2.0#
166 20.6 18.8 28.2



#60
Diethylphthalate
Concen: 7.836 ng
RT: 15.679 min Scan# 2109
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:149 Resp: 64610
Ion Ratio Lower Upper
149 100
177 24.2 21.0 31.4
150 12.0 9.9 14.9

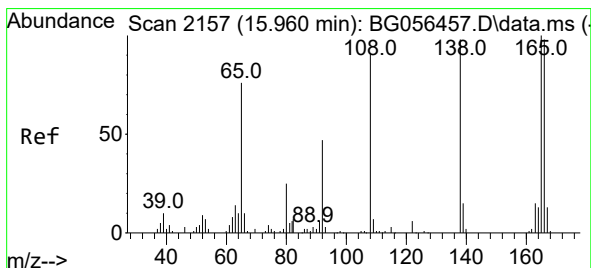
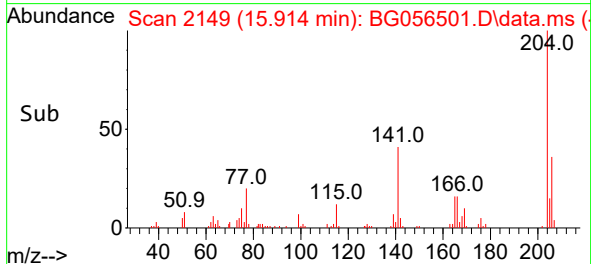
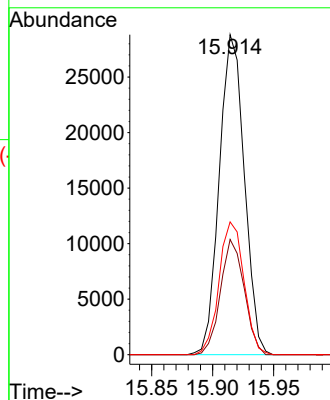
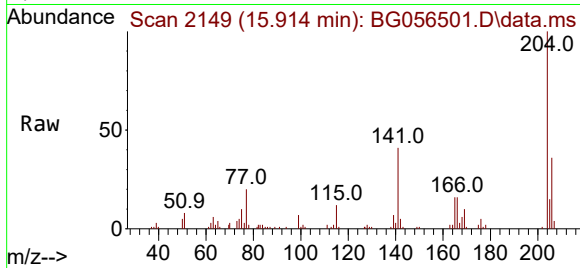




#61
4-Chlorophenyl-phenylether
Concen: 7.973 ng
RT: 15.914 min Scan# 2149
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

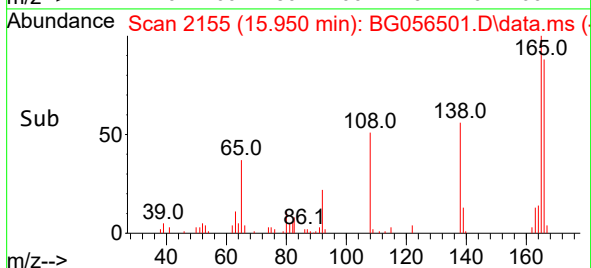
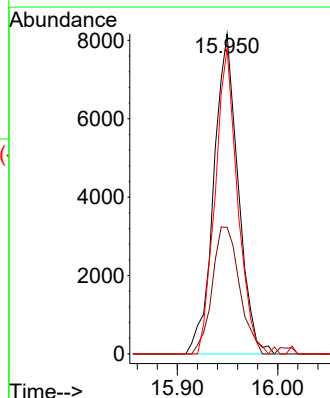
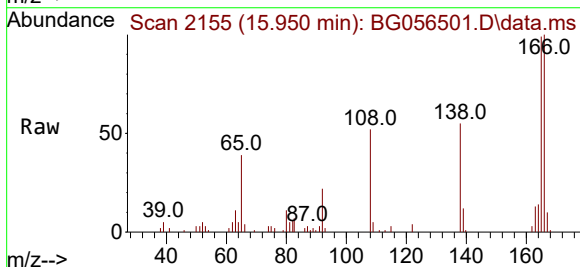
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

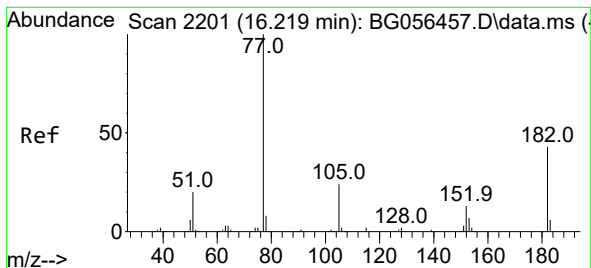
Tgt Ion:204 Resp: 41215
Ion Ratio Lower Upper
204 100
206 36.0 26.2 39.4
141 41.5 32.7 49.1



#62
4-Nitroaniline
Concen: 7.422 ng
RT: 15.950 min Scan# 2155
Delta R.T. -0.011 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:138 Resp: 13787
Ion Ratio Lower Upper
138 100
92 39.6 27.8 67.8
108 95.4 72.6 112.6





#63

Azobenzene

Concen: 7.906 ng

RT: 16.208 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion: 77 Resp: 44853

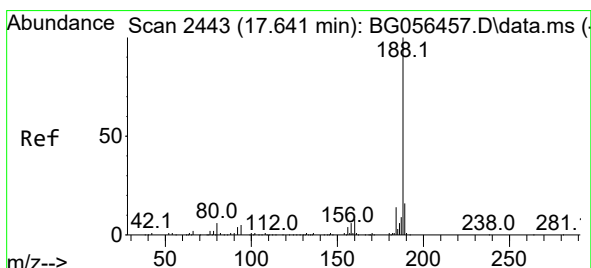
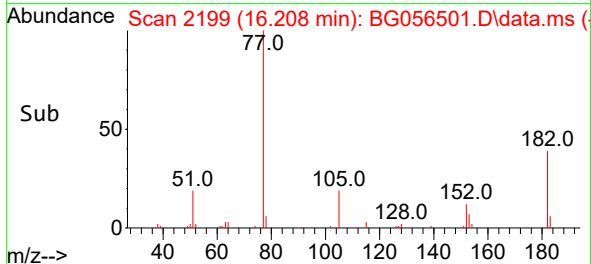
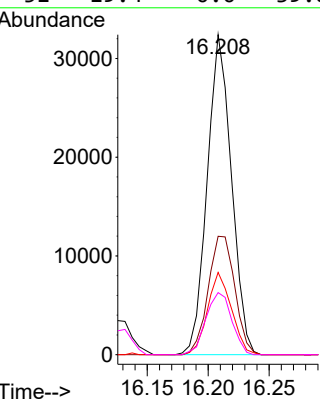
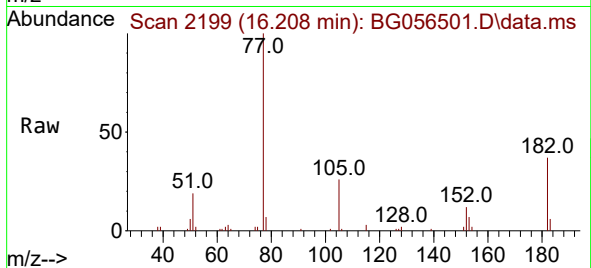
Ion Ratio Lower Upper

77 100

182 37.0 23.1 63.1

105 25.7 4.2 44.2

51 19.4 0.0 39.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.630 min Scan# 2441

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

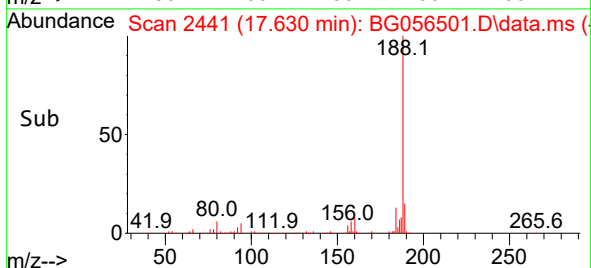
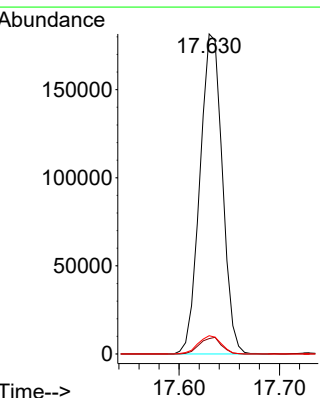
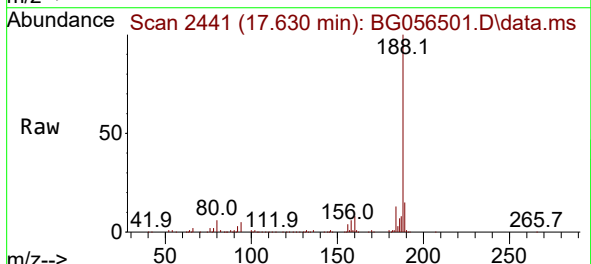
Tgt Ion: 188 Resp: 281786

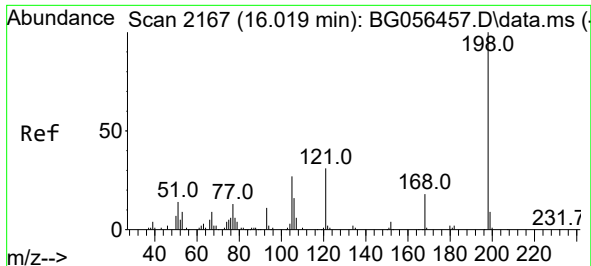
Ion Ratio Lower Upper

188 100

94 4.8 4.1 6.1

80 5.7 5.0 7.4

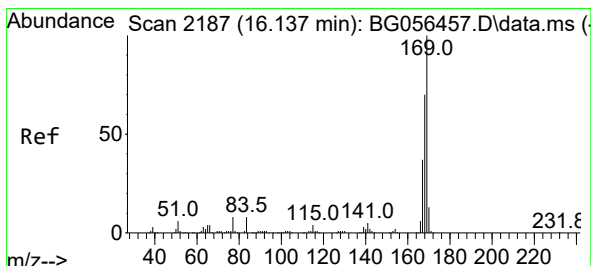
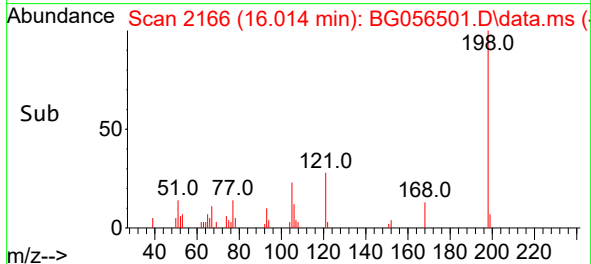
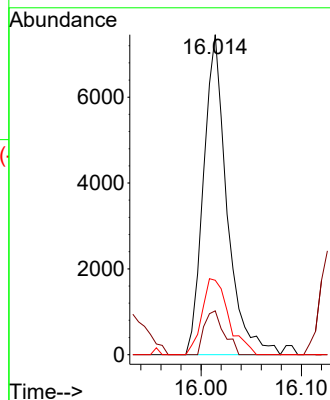
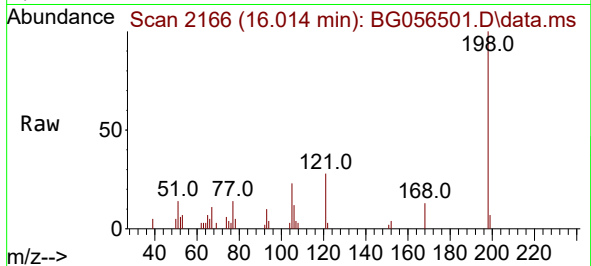




#65
4,6-Dinitro-2-methylphenol
Concen: 6.122 ng
RT: 16.014 min Scan# 2166
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

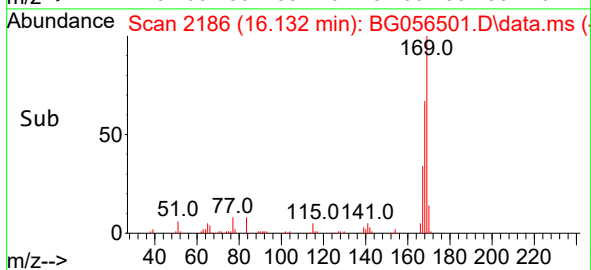
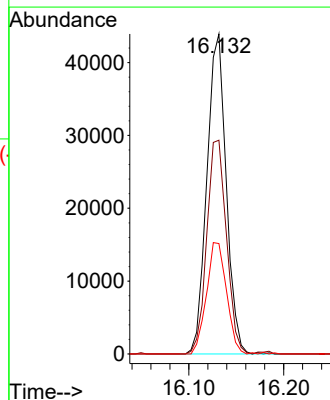
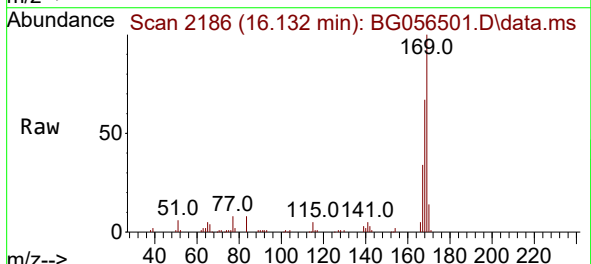
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

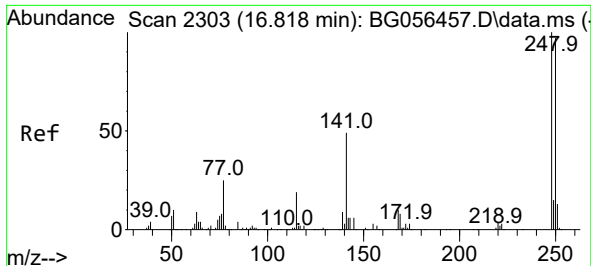
Tgt Ion:198 Resp: 12129
Ion Ratio Lower Upper
198 100
51 13.7 0.0 35.0
105 23.2 7.4 47.4



#66
n-Nitrosodiphenylamine
Concen: 7.763 ng
RT: 16.132 min Scan# 2186
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:169 Resp: 61931
Ion Ratio Lower Upper
169 100
168 66.8 55.8 83.6
167 34.5 29.8 44.8

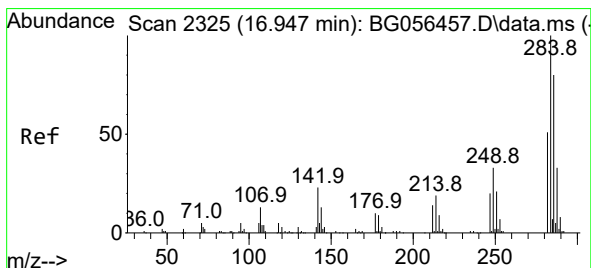
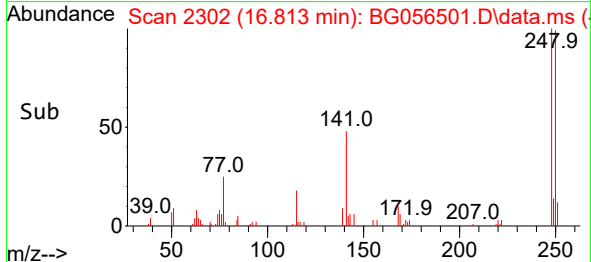
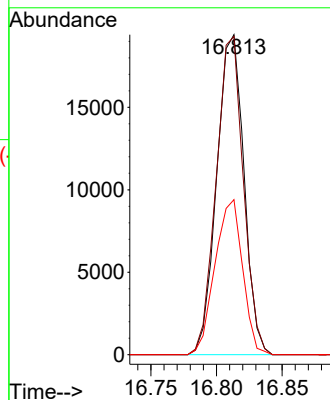
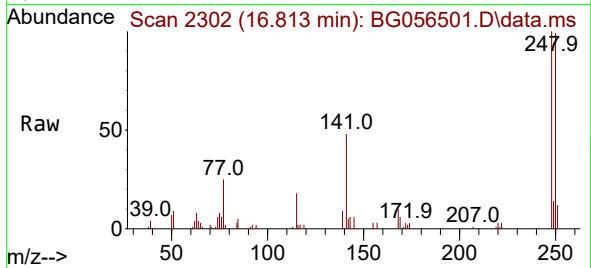




#67
4-Bromophenyl-phenylether
Concen: 7.736 ng
RT: 16.813 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

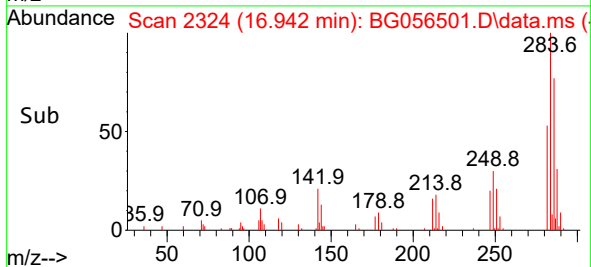
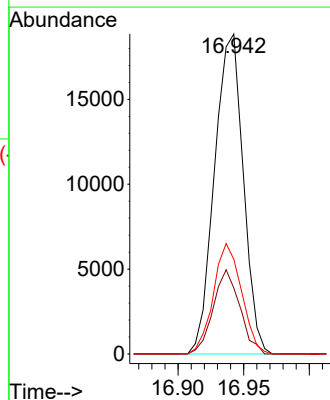
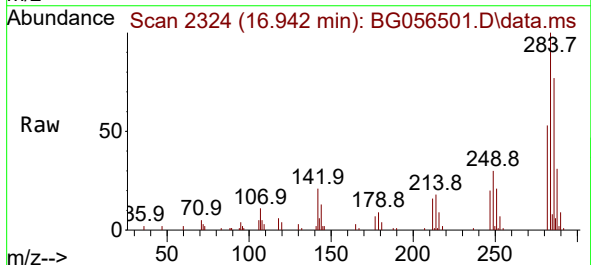
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

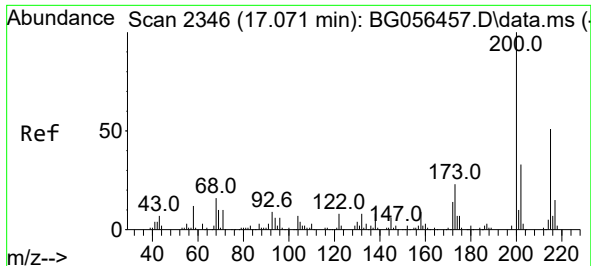
Tgt Ion:248 Resp: 27907
Ion Ratio Lower Upper
248 100
250 99.5 77.6 116.4
141 48.4 39.0 58.4



#68
Hexachlorobenzene
Concen: 8.129 ng
RT: 16.942 min Scan# 2324
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:284 Resp: 28721
Ion Ratio Lower Upper
284 100
142 20.6 18.0 27.0
249 31.4 26.7 40.1

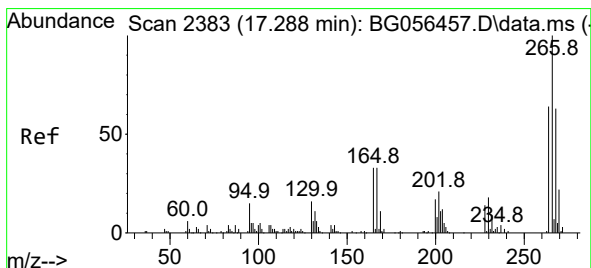
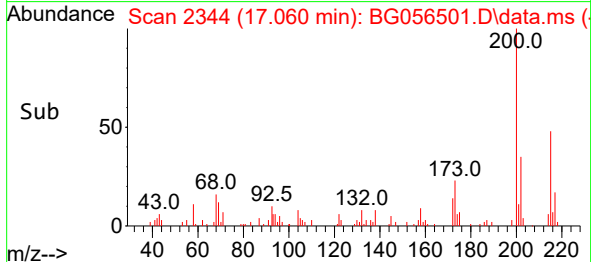
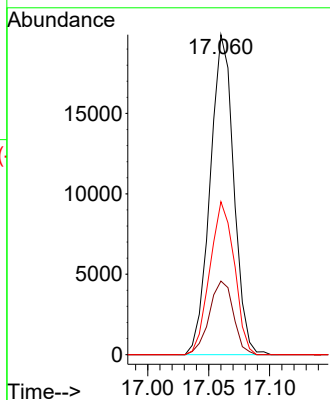
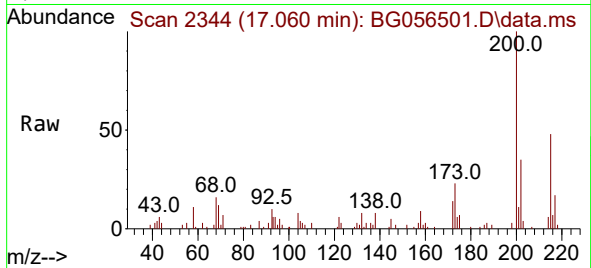




#69
 Atrazine
 Concen: 8.714 ng
 RT: 17.060 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34

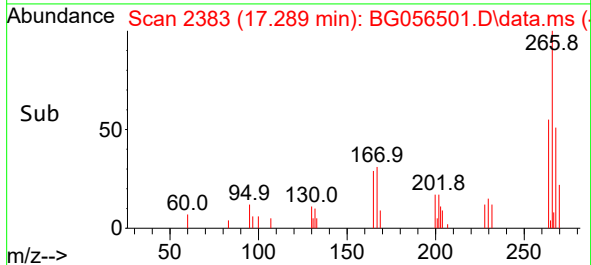
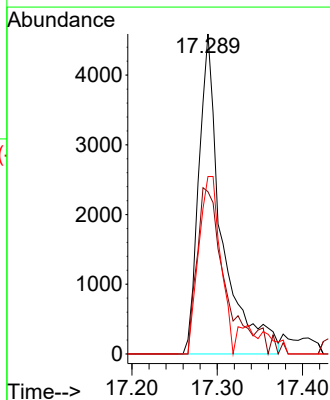
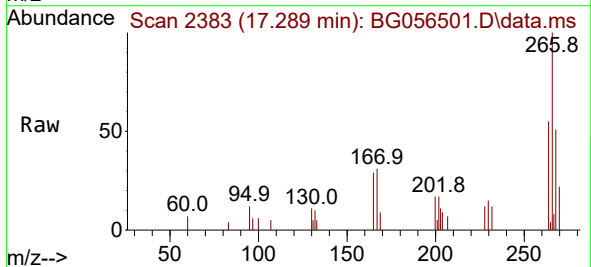
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

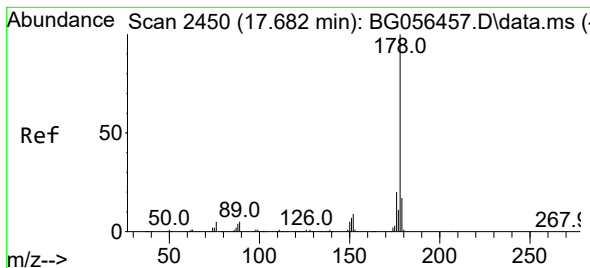
Tgt Ion:200 Resp: 26821
 Ion Ratio Lower Upper
 200 100
 173 23.0 3.2 43.2
 215 47.8 30.7 70.7



#70
 Pentachlorophenol
 Concen: 4.045 ng
 RT: 17.289 min Scan# 2383
 Delta R.T. 0.007 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34

Tgt Ion:266 Resp: 8647
 Ion Ratio Lower Upper
 266 100
 268 50.7 50.2 75.4
 264 55.4 51.4 77.0





#71

Phenanthrene

Concen: 7.836 ng

RT: 17.677 min Scan# 2449

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

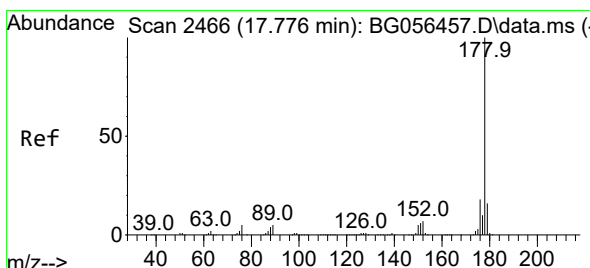
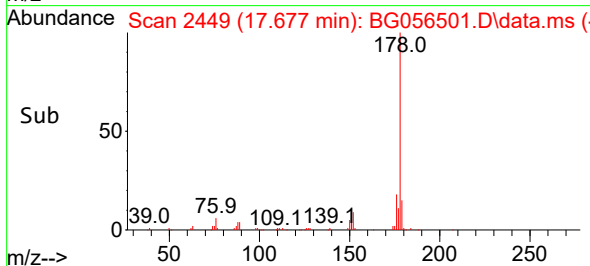
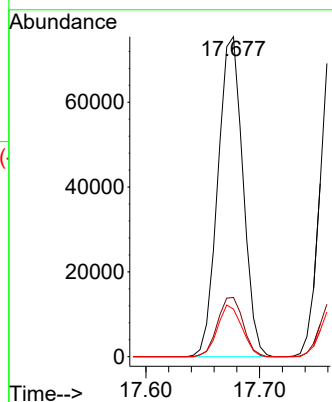
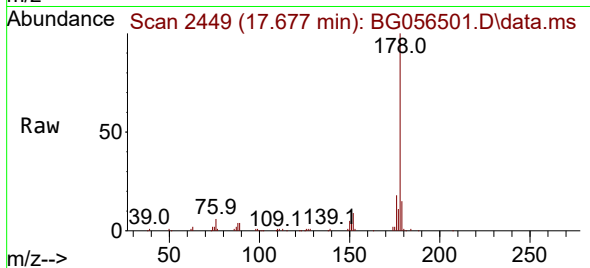
Tgt Ion:178 Resp: 115562

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

179 14.8 13.3 19.9



#72

Anthracene

Concen: 7.967 ng

RT: 17.765 min Scan# 2464

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

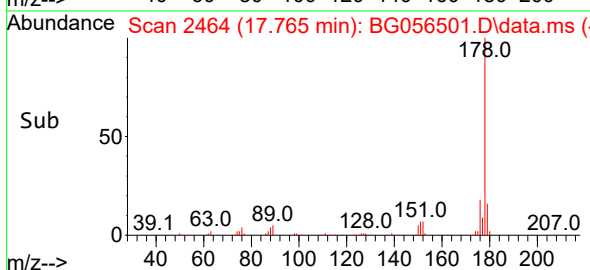
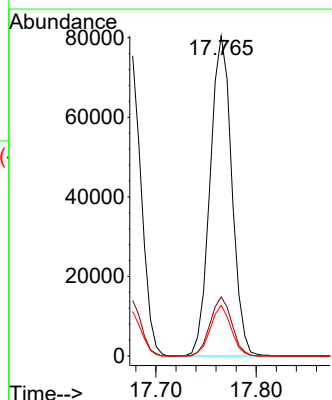
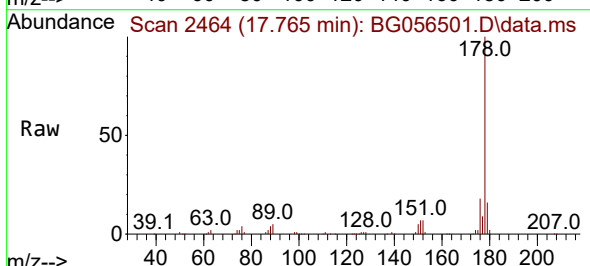
Tgt Ion:178 Resp: 120614

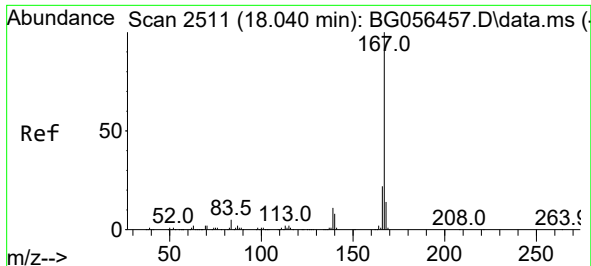
Ion Ratio Lower Upper

178 100

176 18.5 14.5 21.7

179 15.8 12.5 18.7

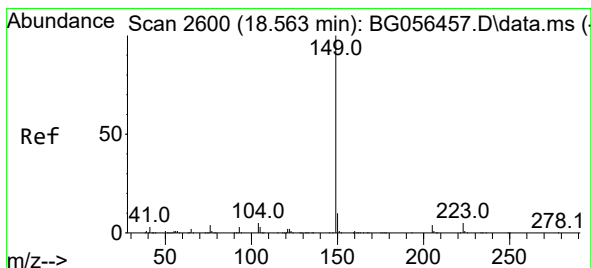
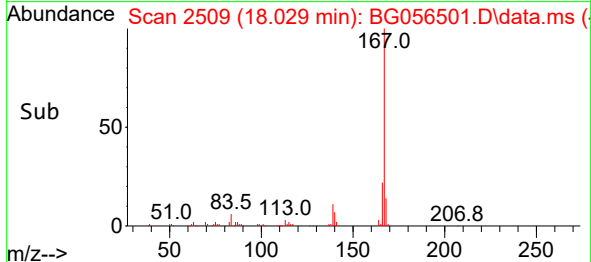
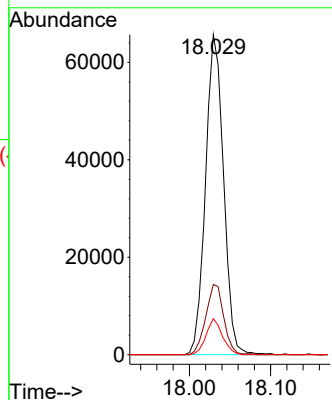
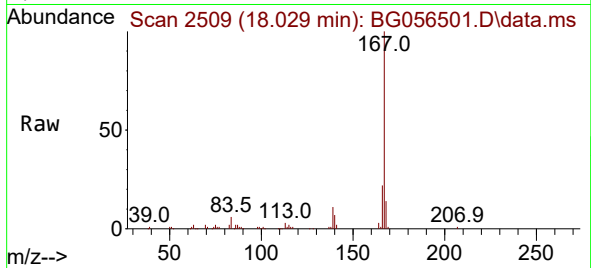




#73
 Carbazole
 Concen: 7.837 ng
 RT: 18.029 min Scan# 2509
 Delta R.T. -0.005 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34

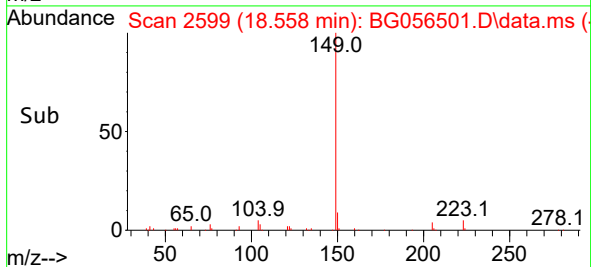
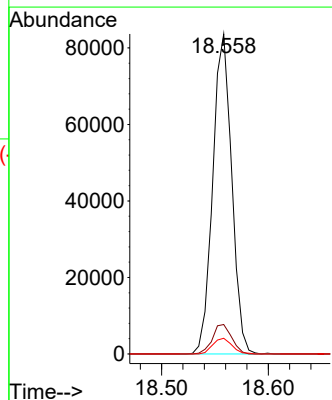
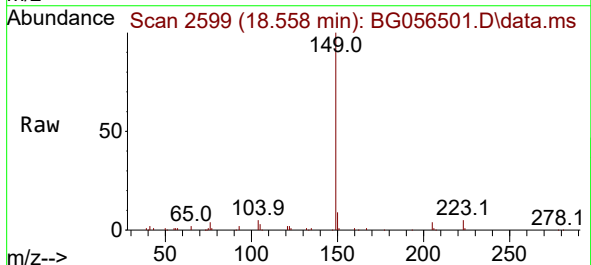
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

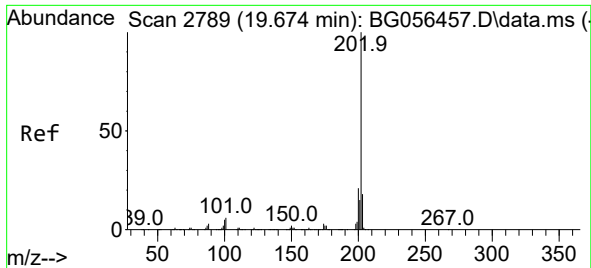
Tgt Ion:167 Resp: 101053
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.6
 139 11.2 8.9 13.3



#74
 Di-n-butylphthalate
 Concen: 7.615 ng
 RT: 18.558 min Scan# 2599
 Delta R.T. -0.005 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34

Tgt Ion:149 Resp: 103091
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.8 11.6
 104 4.9 4.0 6.0

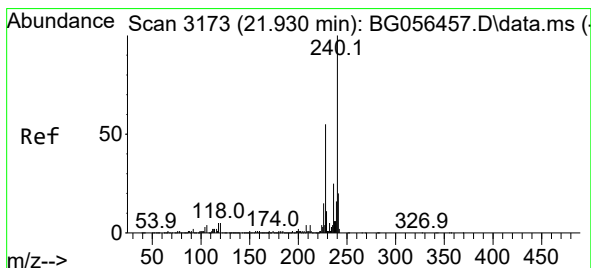
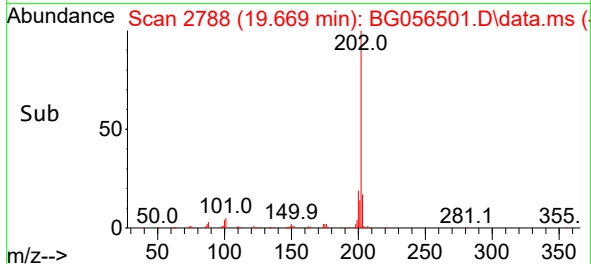
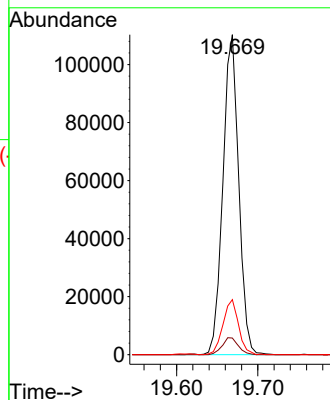
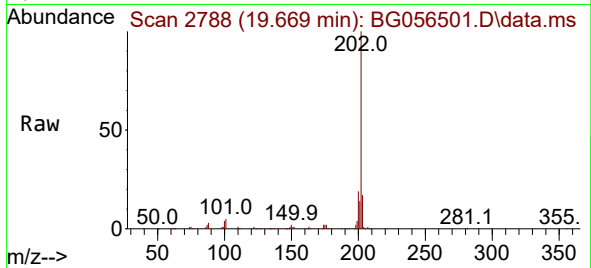




#75
Fluoranthene
Concen: 8.037 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

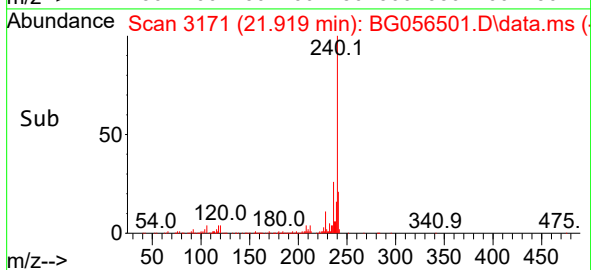
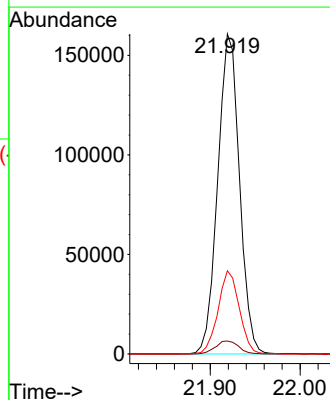
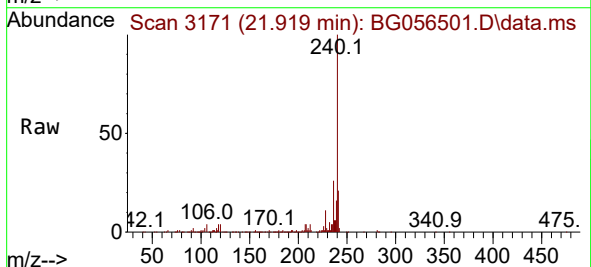
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

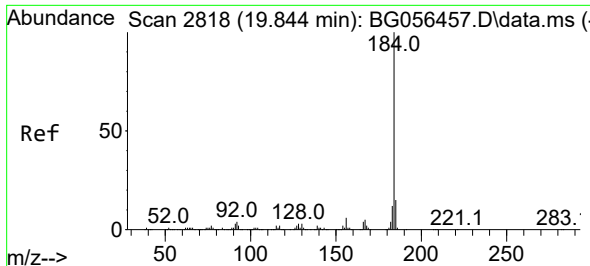
Tgt Ion:202 Resp: 149595
Ion Ratio Lower Upper
202 100
101 5.2 0.0 25.6
203 17.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:240 Resp: 269920
Ion Ratio Lower Upper
240 100
120 4.1 3.8 5.8
236 26.0 20.2 30.2

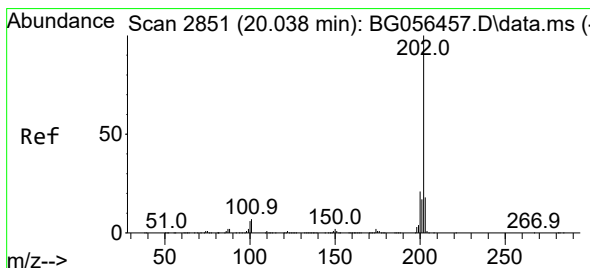
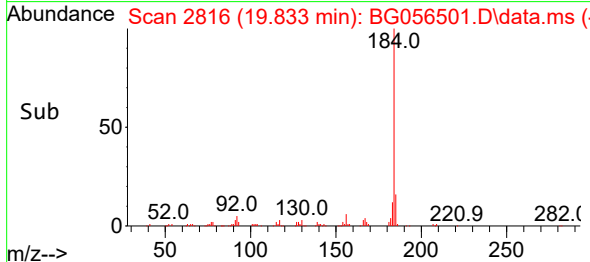
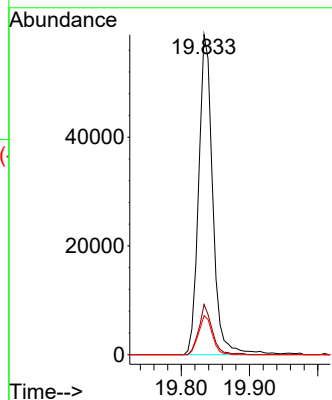
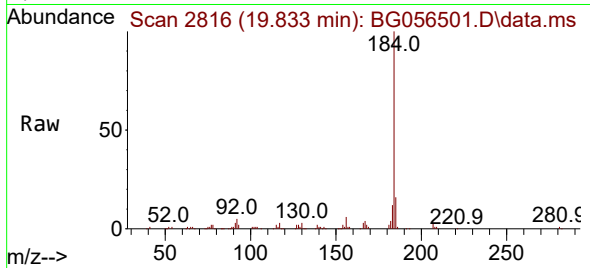




#77
Benzidine
Concen: 11.531 ng
RT: 19.833 min Scan# 2816
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

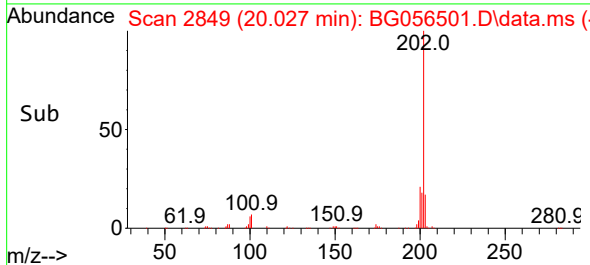
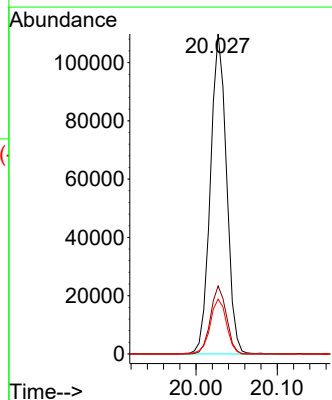
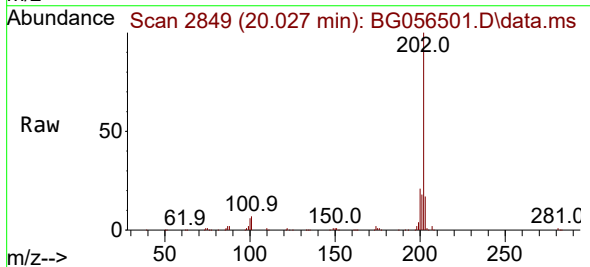
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

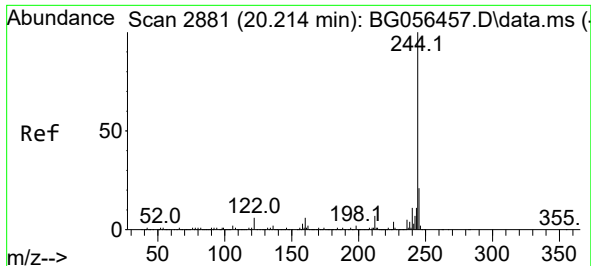
Tgt Ion:184 Resp: 84223
Ion Ratio Lower Upper
184 100
185 15.7 12.3 18.5
183 12.2 9.8 14.8



#78
Pyrene
Concen: 7.870 ng
RT: 20.027 min Scan# 2849
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:202 Resp: 151080
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 17.2 14.4 21.6

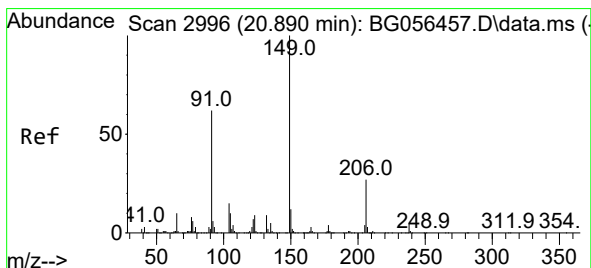
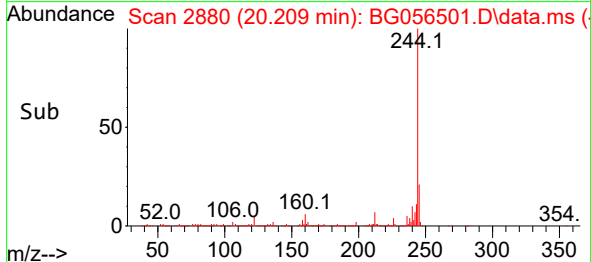
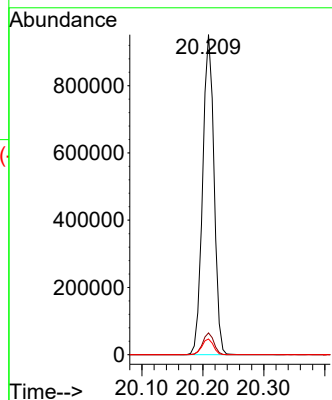
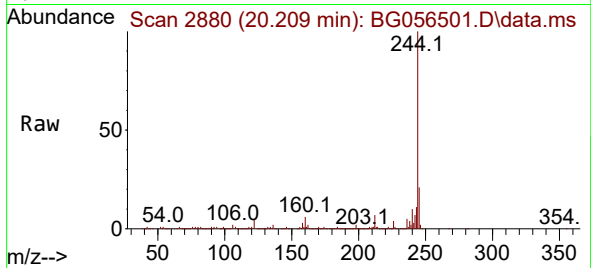




#79
 Terphenyl-d14
 Concen: 80.236 ng
 RT: 20.209 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34

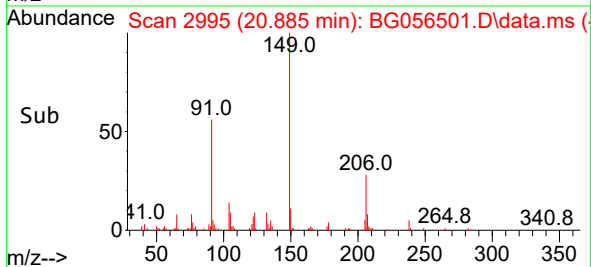
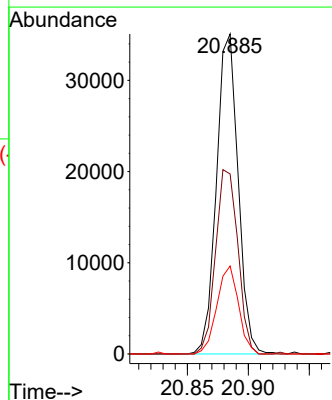
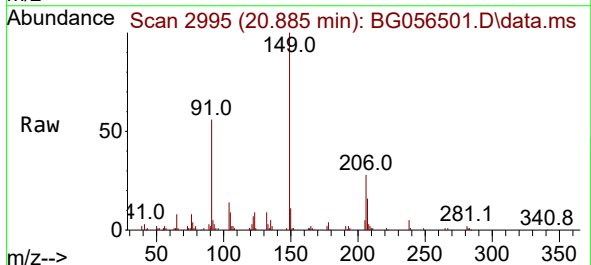
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 ClientSampleId :
 MDL-SOIL-03-QT3-2022

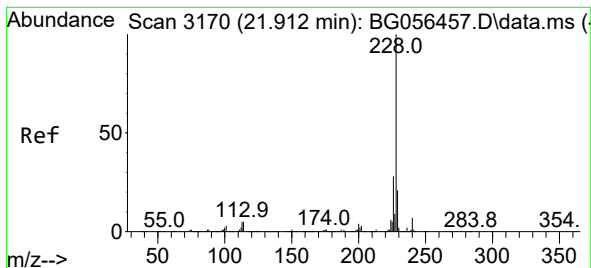
Tgt Ion:244 Resp: 1233078
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 4.9 4.4 6.6



#80
 Butylbenzylphthalate
 Concen: 7.395 ng
 RT: 20.885 min Scan# 2995
 Delta R.T. 0.001 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34

Tgt Ion:149 Resp: 43354
 Ion Ratio Lower Upper
 149 100
 91 56.2 49.4 74.0
 206 27.5 22.0 33.0





#81

Benzo(a)anthracene

Concen: 7.844 ng

RT: 21.896 min Scan# 3167

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

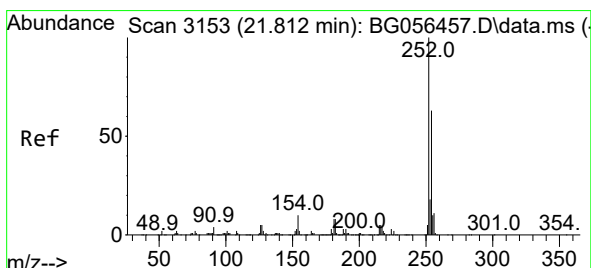
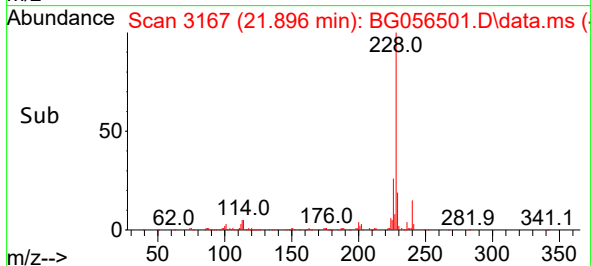
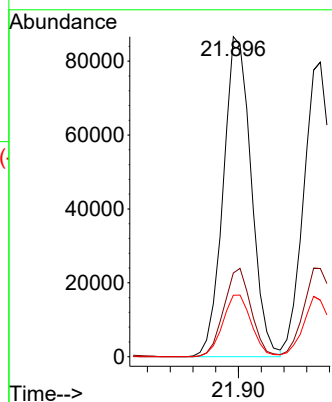
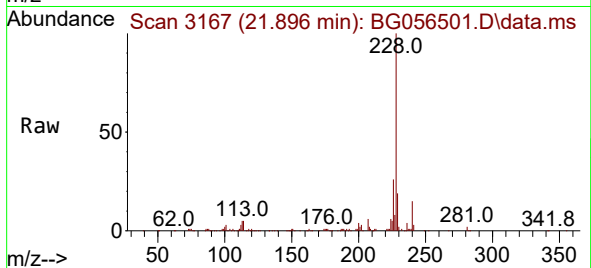
Tgt Ion:228 Resp: 148017

Ion Ratio Lower Upper

228 100

226 26.2 22.4 33.6

229 19.2 16.5 24.7



#82

3,3'-Dichlorobenzidine

Concen: 8.799 ng

RT: 21.802 min Scan# 3151

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

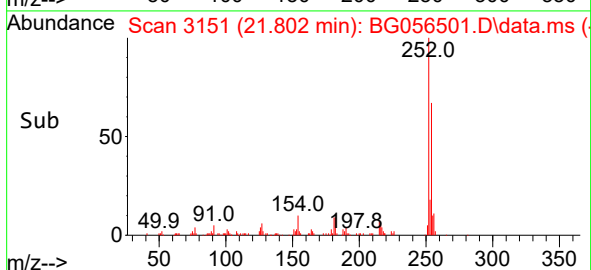
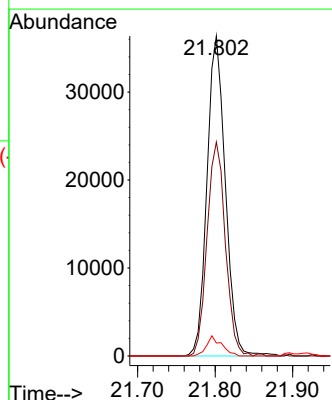
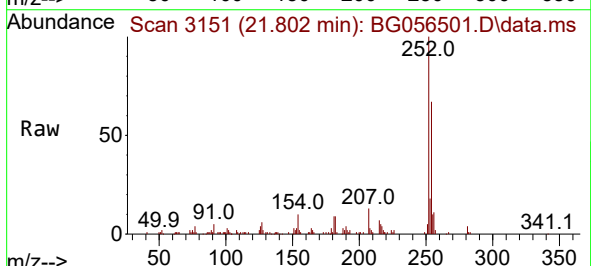
Tgt Ion:252 Resp: 59791

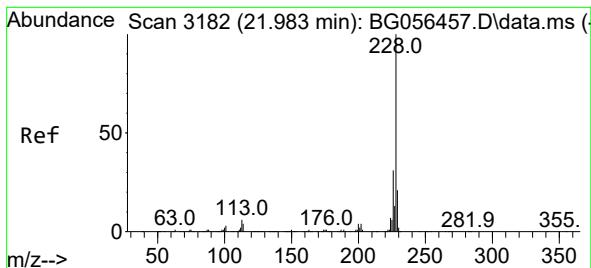
Ion Ratio Lower Upper

252 100

254 66.9 50.0 75.0

126 4.1 4.3 6.5#





#83

Chrysene

Concen: 7.806 ng

RT: 21.972 min Scan# 3180

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

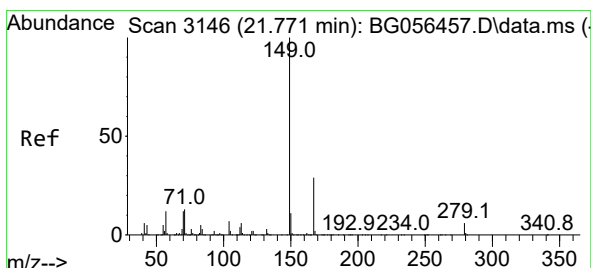
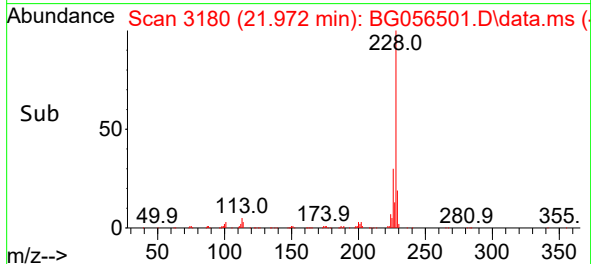
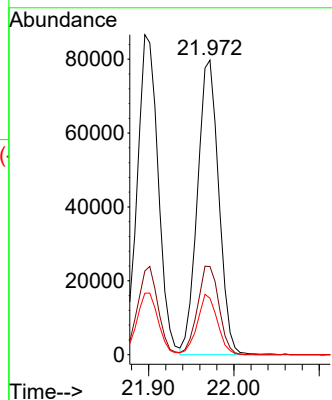
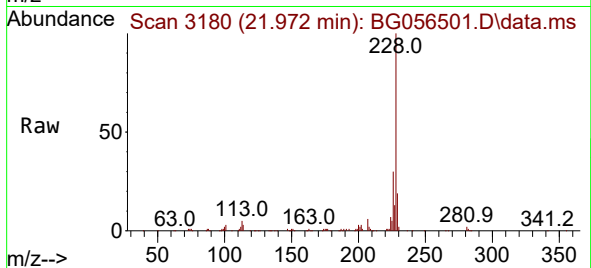
Tgt Ion:228 Resp: 138391

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.4

229 19.1 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.331 ng

RT: 21.760 min Scan# 3144

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

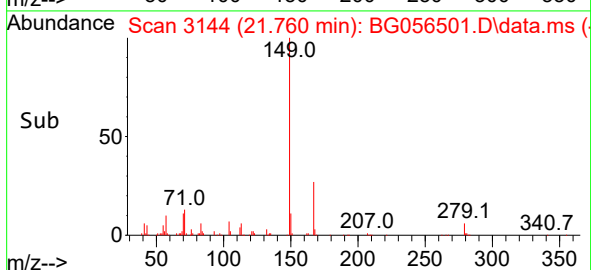
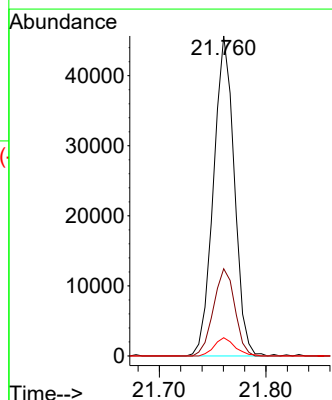
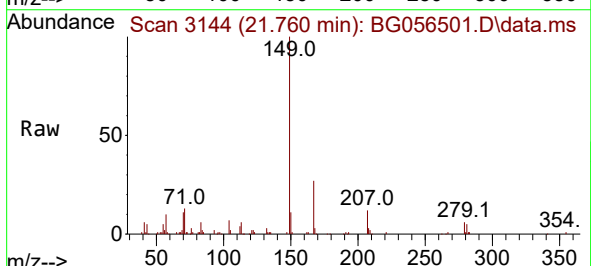
Tgt Ion:149 Resp: 61619

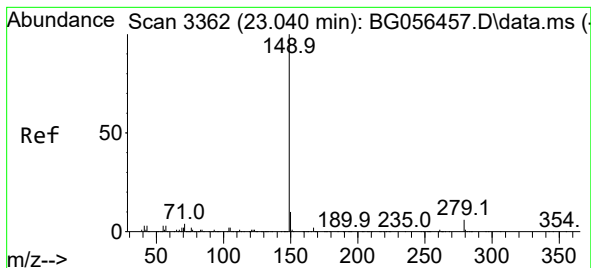
Ion Ratio Lower Upper

149 100

167 27.3 23.4 35.2

279 5.7 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 7.470 ng

RT: 23.029 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

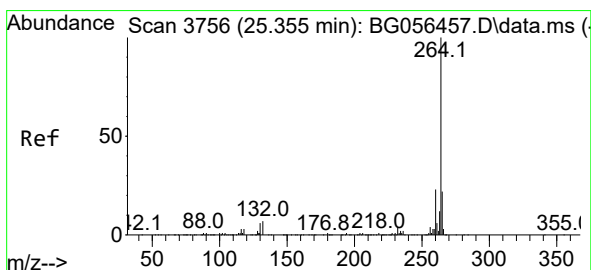
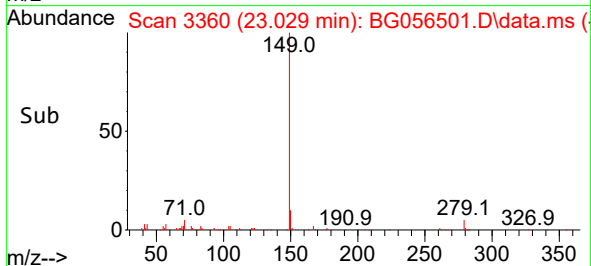
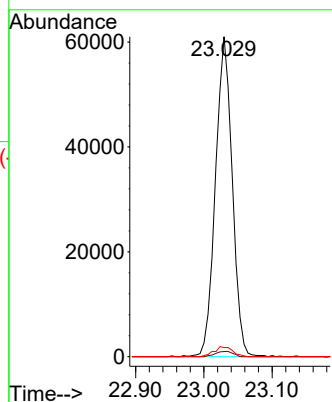
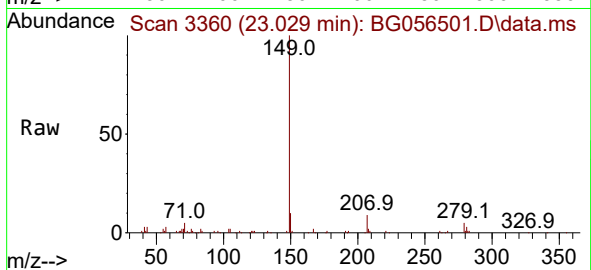
Tgt Ion:149 Resp: 104574

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 3.5 2.7 4.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.339 min Scan# 3753

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

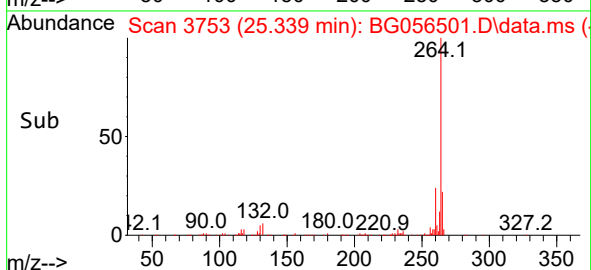
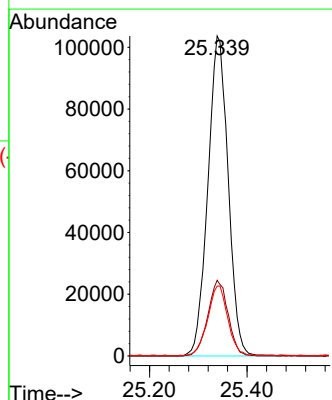
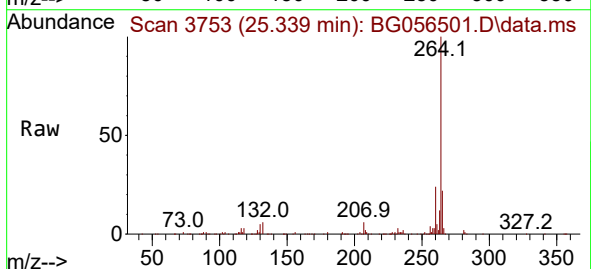
Tgt Ion:264 Resp: 298933

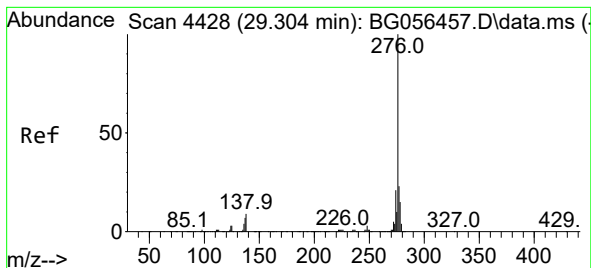
Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 21.9 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.539 ng

RT: 29.269 min Scan# 4428

Delta R.T. -0.011 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

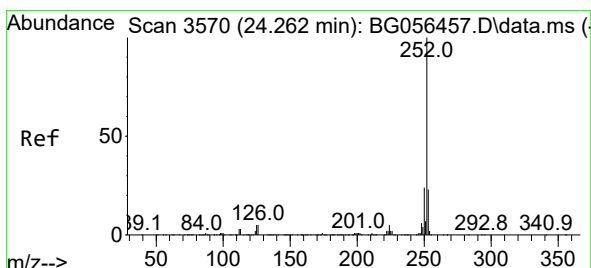
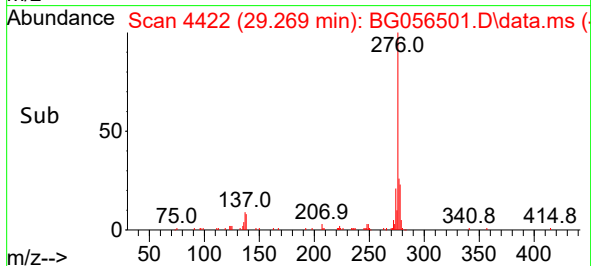
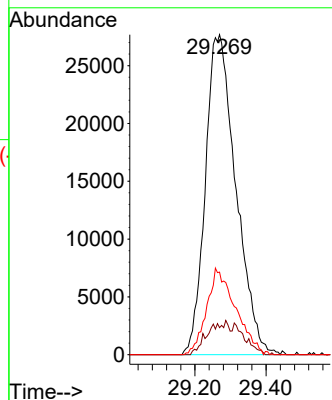
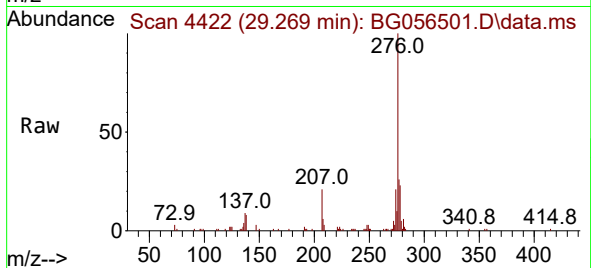
Tgt Ion:276 Resp: 164978

Ion Ratio Lower Upper

276 100

138 3.6 9.4 14.2#

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.270 ng

RT: 24.246 min Scan# 3567

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

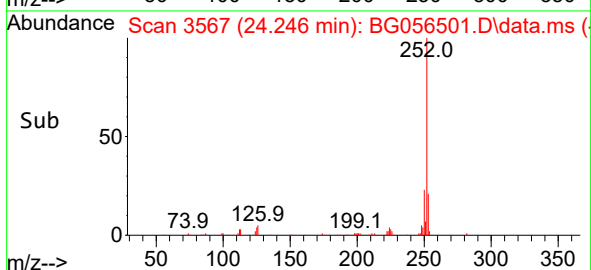
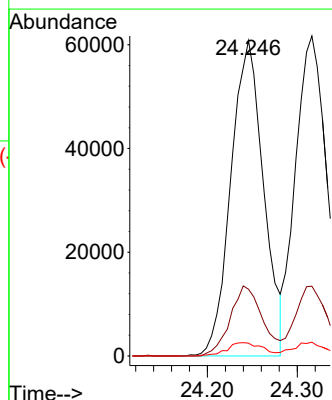
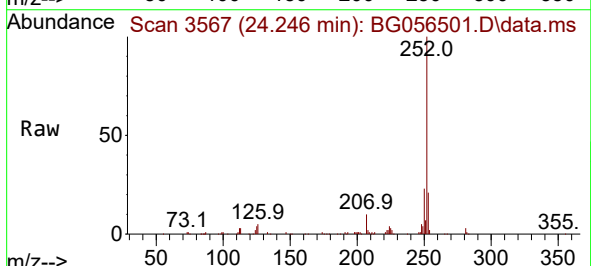
Tgt Ion:252 Resp: 153448

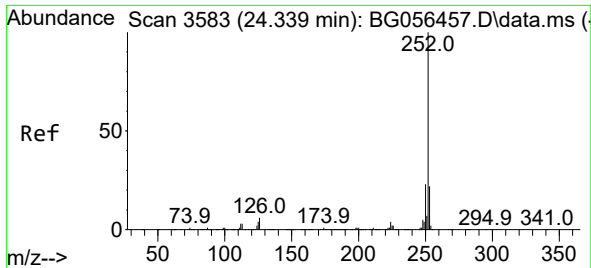
Ion Ratio Lower Upper

252 100

253 21.2 18.1 27.1

125 4.1 3.9 5.9

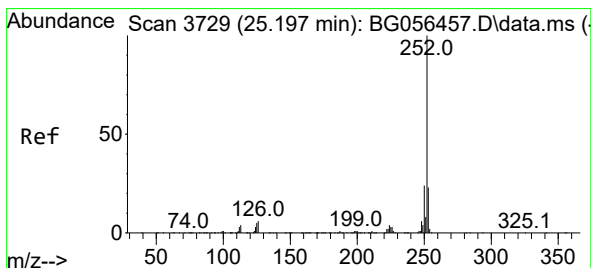
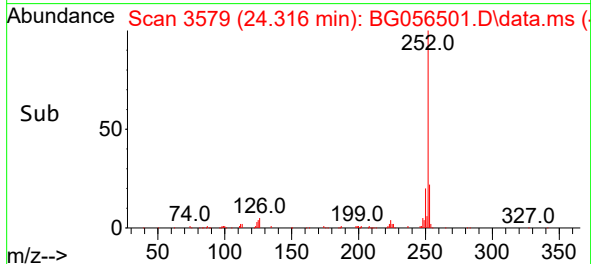
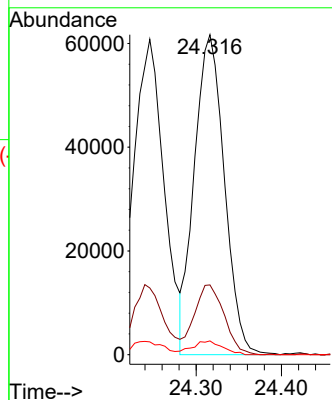
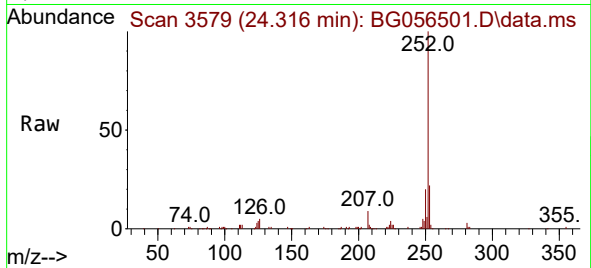




#89
Benzo(k)fluoranthene
Concen: 8.041 ng
RT: 24.316 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

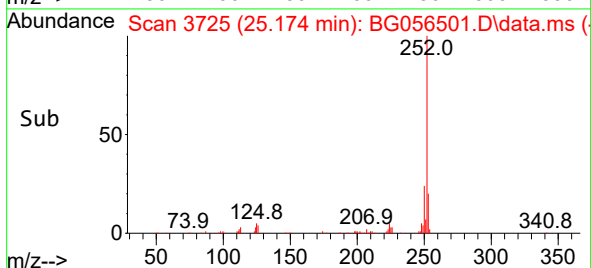
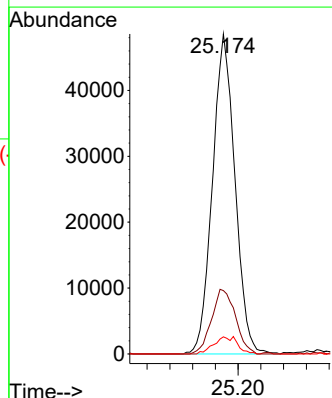
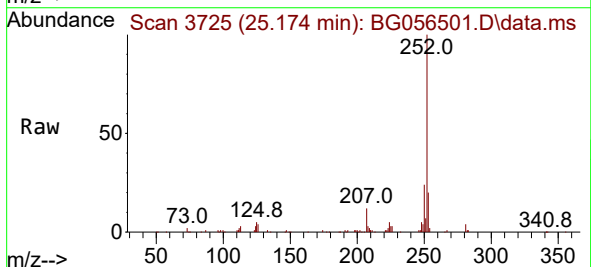
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

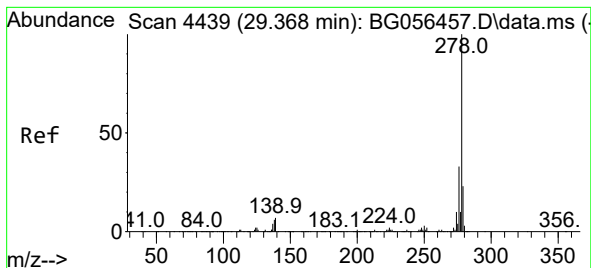
Tgt Ion:252 Resp: 150637
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 4.3 3.4 5.0



#90
Benzo(a)pyrene
Concen: 7.284 ng
RT: 25.174 min Scan# 3725
Delta R.T. -0.011 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:252 Resp: 133137
Ion Ratio Lower Upper
252 100
253 19.8 18.4 27.6
125 5.3 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 7.927 ng

RT: 29.334 min Scan# 4433

Delta R.T. -0.011 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

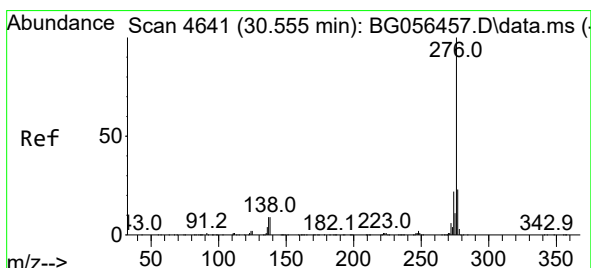
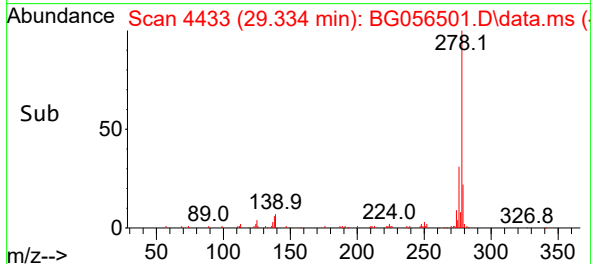
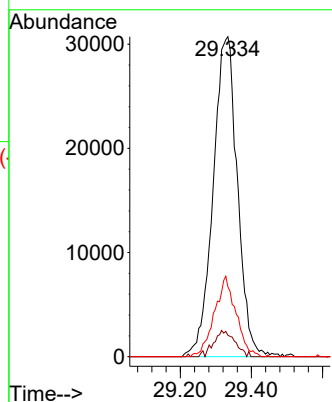
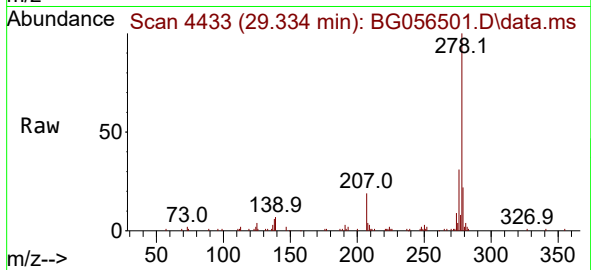
Tgt Ion:278 Resp: 145606

Ion Ratio Lower Upper

278 100

139 6.7 5.5 8.3

279 21.9 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 7.859 ng

RT: 30.503 min Scan# 4632

Delta R.T. -0.023 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Tgt Ion:276 Resp: 139289

Ion Ratio Lower Upper

276 100

277 24.1 18.5 27.7

138 9.2 7.4 11.0

