

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056510.D
 Acq On : 2 Feb 2023 11:56
 Operator : CG/JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Quant Time: Feb 03 05:19:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.273	152	28240	20.000	ng	0.00
21) Naphthalene-d8	11.105	136	107738	20.000	ng	# 0.00
39) Acenaphthene-d10	14.894	164	89593	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	230363	20.000	ng	0.00
76) Chrysene-d12	21.921	240	223078	20.000	ng	0.00
86) Perylene-d12	25.341	264	243317	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	203369	132.476	ng	0.00
7) Phenol-d6	7.415	99	287028	126.190	ng	0.00
23) Nitrobenzene-d5	9.454	82	186270	98.177	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	153522	128.893	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	644003	99.658	ng	0.00
79) Terphenyl-d14	20.212	244	1225018	96.450	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.596	88	3425	5.358	ng	96
3) Pyridine	4.036	79	7863	4.127	ng	97
4) n-Nitrosodimethylamine	3.937	42	1579	3.897	ng	# 78
6) Aniline	7.591	93	13742	4.614	ng	98
8) 2-Chlorophenol	7.838	128	7217	4.279	ng	90
9) Benzaldehyde	7.409	77	7684	5.485	ng	# 75
10) Phenol	7.450	94	10686	4.622	ng	97
11) bis(2-Chloroethyl)ether	7.679	93	8096	5.095	ng	86
12) 1,3-Dichlorobenzene	8.314	146	10027	5.164	ng	93
13) 1,4-Dichlorobenzene	8.314	146	10027	5.099	ng	94
14) 1,2-Dichlorobenzene	8.637	146	9857	5.167	ng	97
15) Benzyl Alcohol	8.514	79	6709	4.299	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.790	45	1398	4.152	ng	92
17) 2-Methylphenol	8.719	107	7085	4.028	ng	# 96
18) Hexachloroethane	9.371	117	3004	5.051	ng	# 82
19) n-Nitroso-di-n-propyla...	9.072	70	6076	4.635	ng	97
20) 3+4-Methylphenols	9.042	107	9408	3.817	ng	85
22) Acetophenone	9.107	105	14289	4.992	ng	# 96
24) Nitrobenzene	9.495	77	9469	5.174	ng	98
25) Isophorone	10.012	82	18082	4.620	ng	97
26) 2-Nitrophenol	10.212	139	5216	4.698	ng	# 90
27) 2,4-Dimethylphenol	10.259	122	8077	4.346	ng	92
28) bis(2-Chloroethoxy)met...	10.488	93	10587	4.896	ng	# 90
29) 2,4-Dichlorophenol	10.758	162	9143	4.371	ng	90
30) 1,2,4-Trichlorobenzene	10.964	180	11365	4.889	ng	# 96
31) Naphthalene	11.157	128	27559	4.846	ng	99
32) Benzoic acid	10.259	122	8077	7.769	ng	# 18
33) 4-Chloroaniline	11.263	127	11747	4.426	ng	# 93
34) Hexachlorobutadiene	11.434	225	8795	5.390	ng	94
35) Caprolactam	12.004	113	2981	4.226	ng	100
36) 4-Chloro-3-methylphenol	12.362	107	8696	4.305	ng	97
37) 2-Methylnaphthalene	12.744	142	21817	4.654	ng	92
38) 1-Methylnaphthalene	12.961	142	21250	4.854	ng	95
40) 1,2,4,5-Tetrachloroben...	13.102	216	16831	5.142	ng	97
41) Hexachlorocyclopentadiene	13.079	237	3003	7.964	ng	93
43) 2,4,6-Trichlorophenol	13.343	196	8981	4.258	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056510.D
 Acq On : 2 Feb 2023 11:56
 Operator : CG/JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

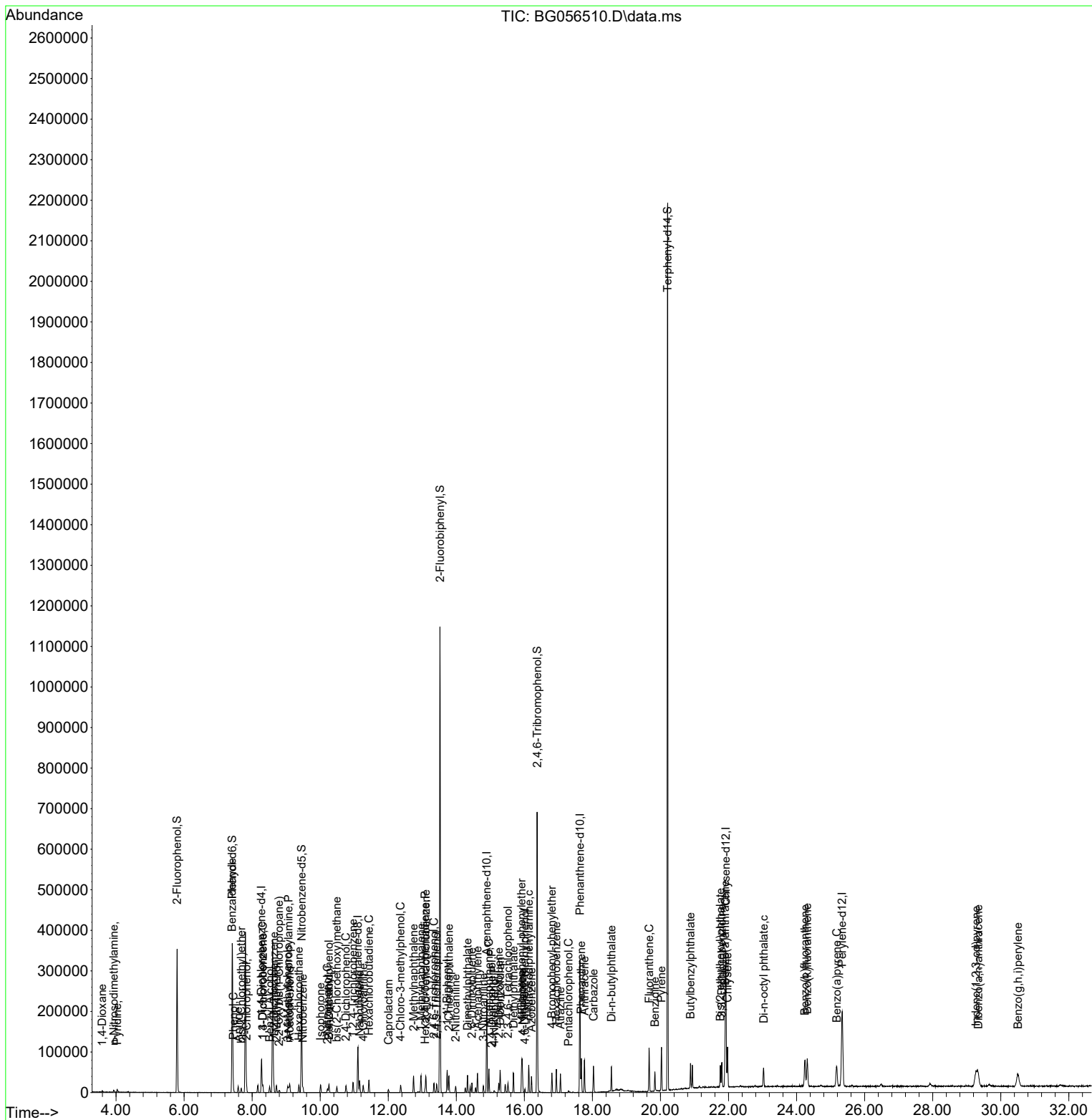
Quant Time: Feb 03 05:19:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

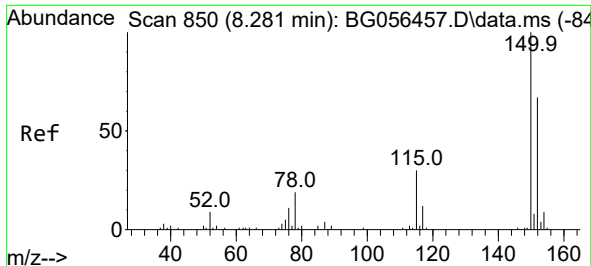
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.420	196	10250	4.150	ng	98
46) 1,1'-Biphenyl	13.731	154	32766	5.042	ng	96
47) 2-Chloronaphthalene	13.784	162	25067	4.935	ng	98
48) 2-Nitroaniline	13.978	65	4458	4.246	ng	# 83
49) Acenaphthylene	14.624	152	38809	4.696	ng	97
50) Dimethylphthalate	14.330	163	34007	4.692	ng	97
51) 2,6-Dinitrotoluene	14.459	165	7363	4.658	ng	95
52) Acenaphthene	14.959	154	23161	4.726	ng	94
53) 3-Nitroaniline	14.794	138	6330	4.131	ng	99
54) 2,4-Dinitrophenol	15.041	184	809	0.816	ng	# 80
55) Dibenzofuran	15.288	168	42756	4.865	ng	97
56) 4-Nitrophenol	15.112	139	3167	3.025	ng	93
57) 2,4-Dinitrotoluene	15.247	165	10080	4.527	ng	98
58) Fluorene	15.934	166	34163	4.885	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.517	232	8605	3.919	ng	# 94
60) Diethylphthalate	15.682	149	31037	4.560	ng	98
61) 4-Chlorophenyl-phenylether	15.917	204	20143	4.720	ng	98
62) 4-Nitroaniline	15.952	138	6301	4.109	ng	93
63) Azobenzene	16.210	77	22760	4.860	ng	98
65) 4,6-Dinitro-2-methylph...	16.016	198	4609	2.846	ng	94
66) n-Nitrosodiphenylamine	16.128	169	30578	4.688	ng	98
67) 4-Bromophenyl-phenylether	16.810	248	14293	4.847	ng	98
68) Hexachlorobenzene	16.939	284	14093	4.879	ng	97
69) Atrazine	17.062	200	12758	5.070	ng	98
70) Pentachlorophenol	17.297	266	2910	1.665	ng	98
71) Phenanthrene	17.673	178	58442	4.847	ng	98
72) Anthracene	17.767	178	60292	4.871	ng	98
73) Carbazole	18.032	167	50349	4.776	ng	95
74) Di-n-butylphthalate	18.561	149	50836	4.593	ng	98
75) Fluoranthene	19.665	202	74672	4.907	ng	100
77) Benzidine	19.836	184	35323	5.851	ng	# 95
78) Pyrene	20.029	202	76097	4.796	ng	98
80) Butylbenzylphthalate	20.881	149	20682	4.268	ng	94
81) Benzo(a)anthracene	21.898	228	74877	4.801	ng	98
82) 3,3'-Dichlorobenzidine	21.804	252	28865	5.140	ng	97
83) Chrysene	21.968	228	71328	4.868	ng	99
84) Bis(2-ethylhexyl)phtha...	21.757	149	30531	4.395	ng	# 96
85) Di-n-octyl phthalate	23.032	149	52263	4.517	ng	99
87) Indeno(1,2,3-cd)pyrene	29.272	276	80997	4.548	ng	# 94
88) Benzo(b)fluoranthene	24.242	252	75896	5.025	ng	100
89) Benzo(k)fluoranthene	24.313	252	72248	4.738	ng	# 98
90) Benzo(a)pyrene	25.182	252	66802	4.490	ng	94
91) Dibenzo(a,h)anthracene	29.342	278	73251	4.900	ng	97
92) Benzo(g,h,i)perylene	30.505	276	70807	4.908	ng	97

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

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Quant Time: Feb 03 05:19:46 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

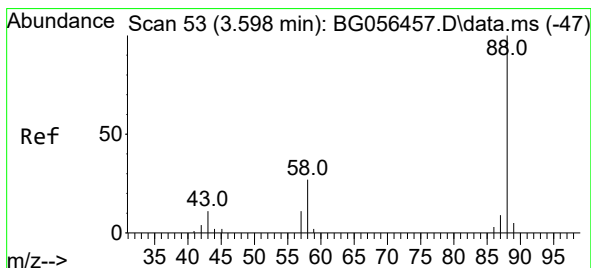
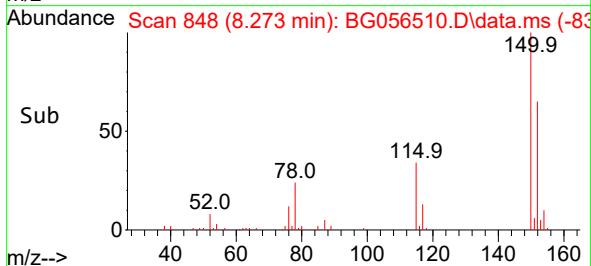
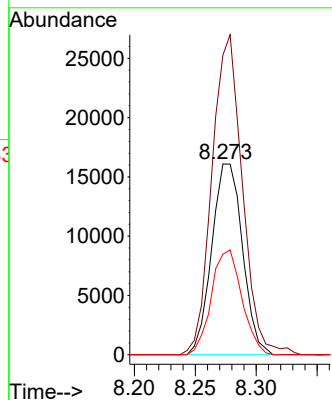
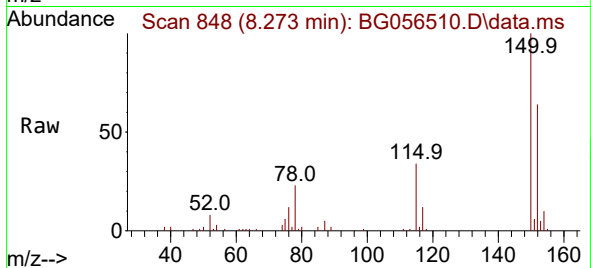




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.273 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

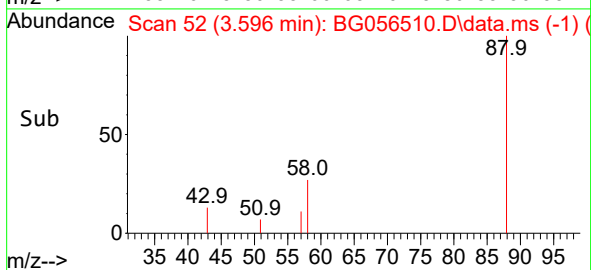
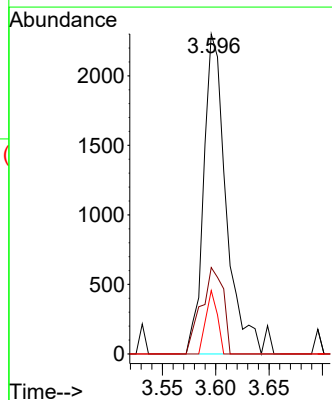
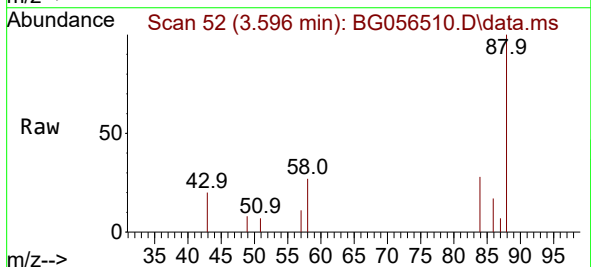
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

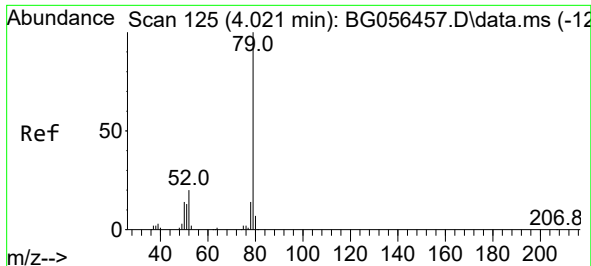
Tgt Ion:152 Resp: 28240
Ion Ratio Lower Upper
152 100
150 157.1 120.2 180.4
115 52.7 36.3 54.5



#2
1,4-Dioxane
Concen: 5.358 ng
RT: 3.596 min Scan# 52
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 88 Resp: 3425
Ion Ratio Lower Upper
88 100
58 25.8 23.0 34.4
43 10.0 8.0 12.0





#3

Pyridine

Concen: 4.127 ng

RT: 4.036 min Scan# 11

Delta R.T. 0.015 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

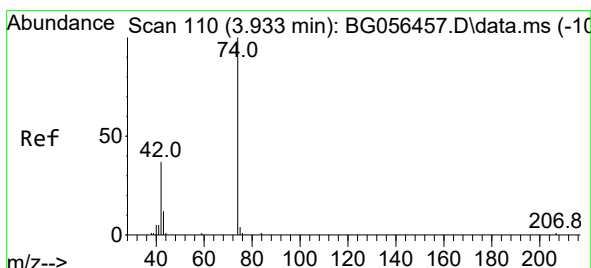
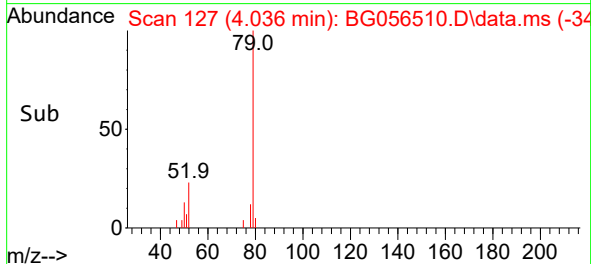
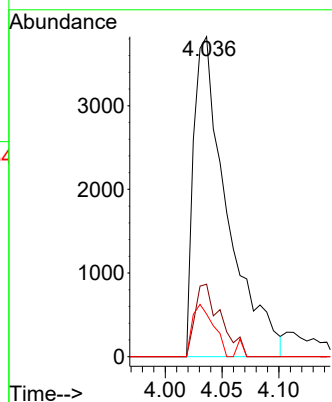
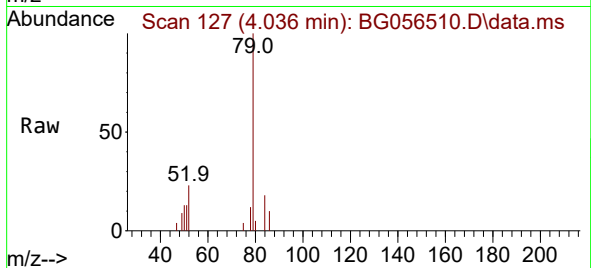
Tgt Ion: 79 Resp: 7863

Ion Ratio Lower Upper

79 100

52 22.6 16.1 24.1

51 13.3 10.7 16.1



#4

n-Nitrosodimethylamine

Concen: 3.897 ng

RT: 3.937 min Scan# 110

Delta R.T. 0.009 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

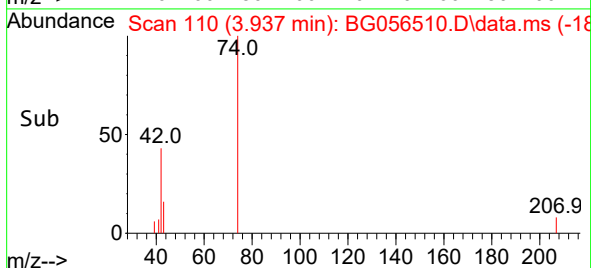
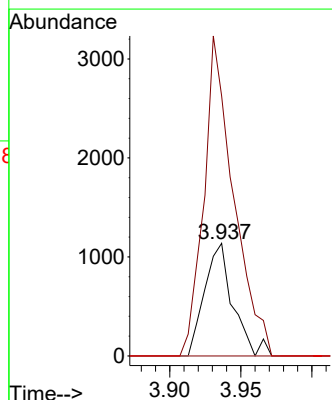
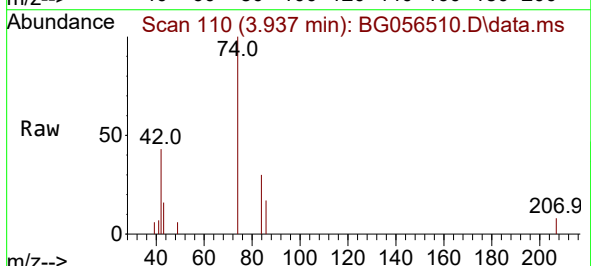
Tgt Ion: 42 Resp: 1579

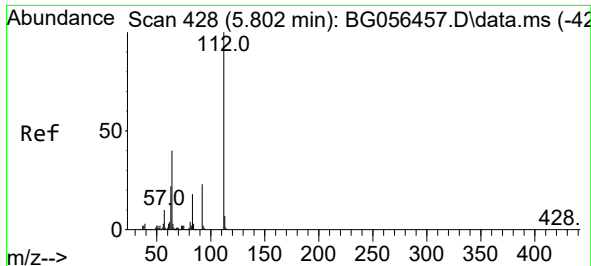
Ion Ratio Lower Upper

42 100

74 231.0 217.9 326.9

44 0.0 3.0 4.6#

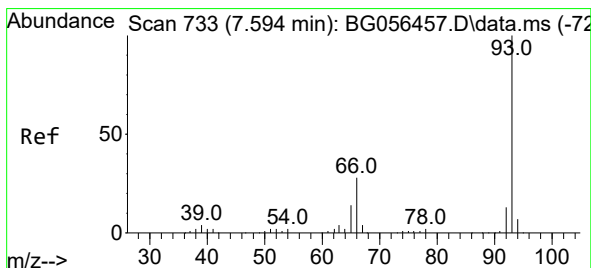
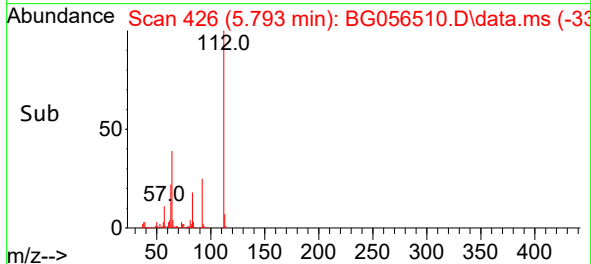
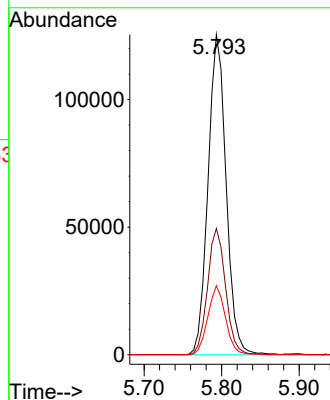
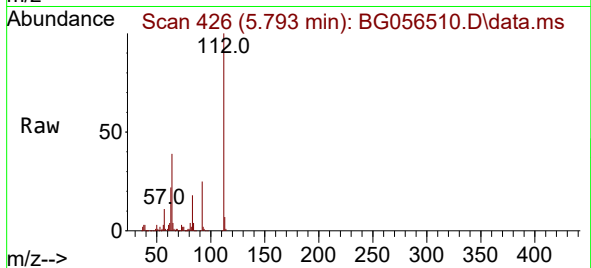




#5
2-Fluorophenol
Concen: 132.476 ng
RT: 5.793 min Scan# 41
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

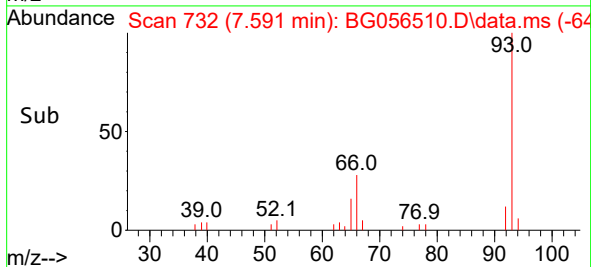
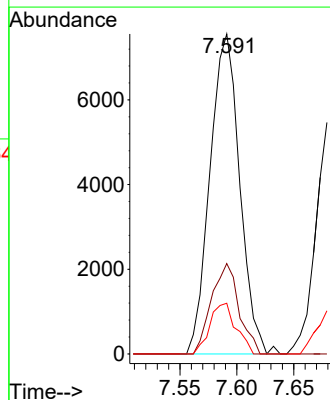
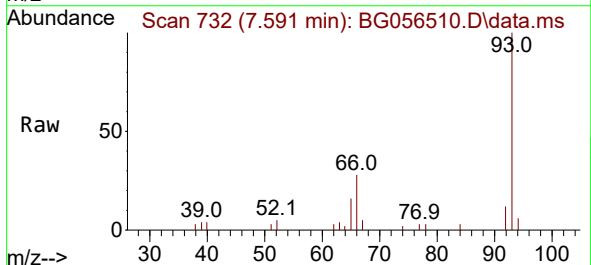
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

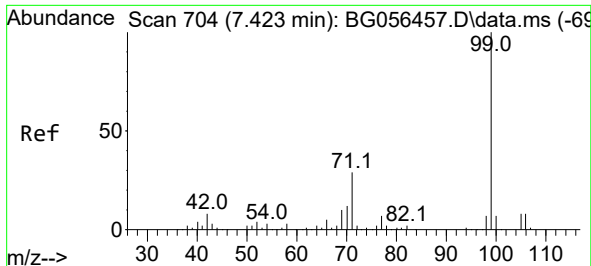
Tgt Ion:112 Resp: 203369
Ion Ratio Lower Upper
112 100
64 39.5 31.9 47.9
63 21.5 17.4 26.0



#6
Aniline
Concen: 4.614 ng
RT: 7.591 min Scan# 732
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 93 Resp: 13742
Ion Ratio Lower Upper
93 100
66 28.3 22.2 33.2
65 15.8 11.3 16.9

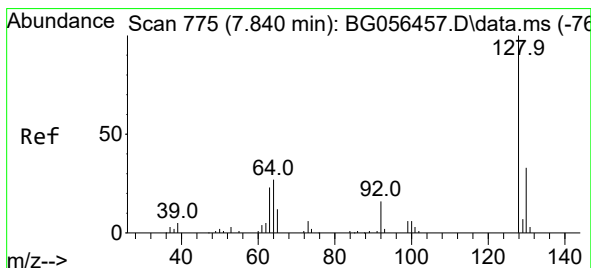
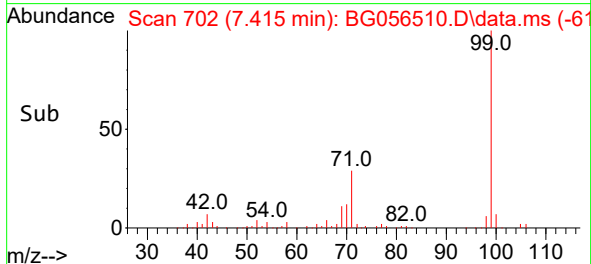
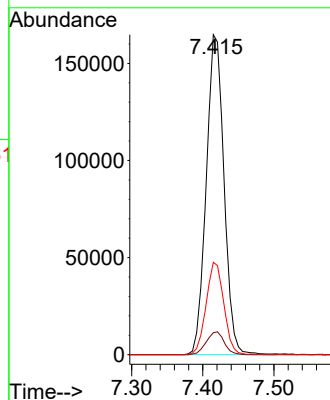
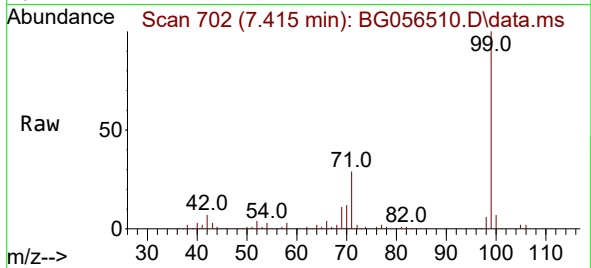




#7
Phenol-d6
Concen: 126.190 ng
RT: 7.415 min Scan# 704
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

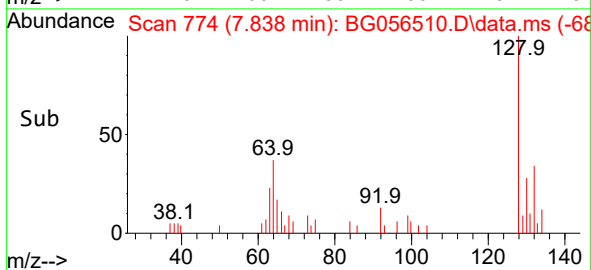
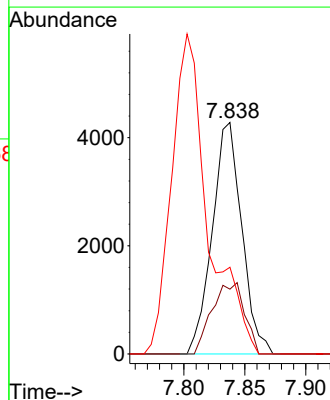
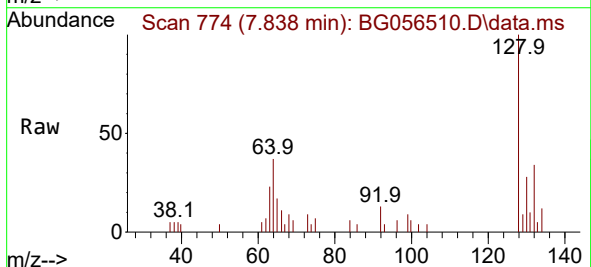
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

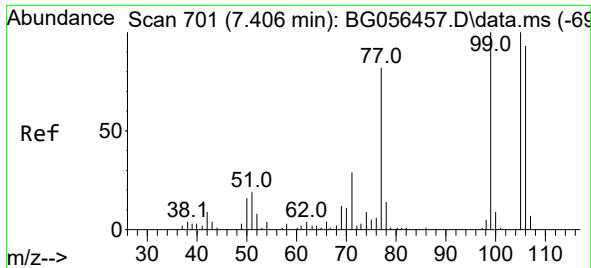
Tgt Ion: 99 Resp: 287028
Ion Ratio Lower Upper
99 100
42 6.8 6.6 10.0
71 28.9 23.4 35.0



#8
2-Chlorophenol
Concen: 4.279 ng
RT: 7.838 min Scan# 774
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:128 Resp: 7217
Ion Ratio Lower Upper
128 100
130 28.0 12.8 52.8
64 37.4 11.3 51.3

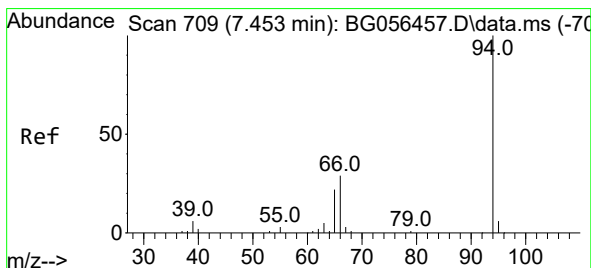
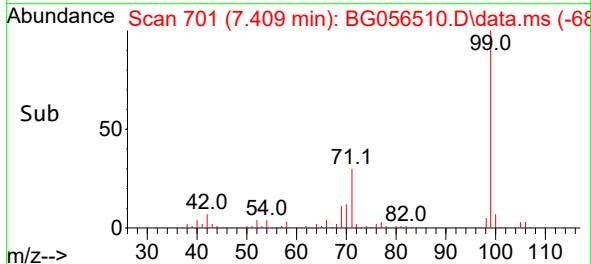
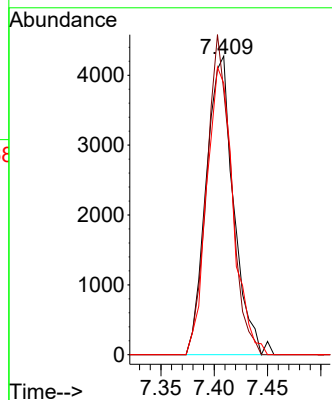
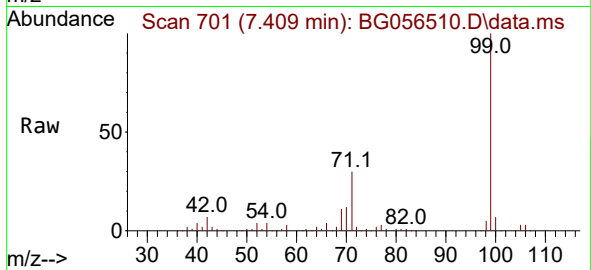




#9
Benzaldehyde
Concen: 5.485 ng
RT: 7.409 min Scan# 701
Delta R.T. 0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

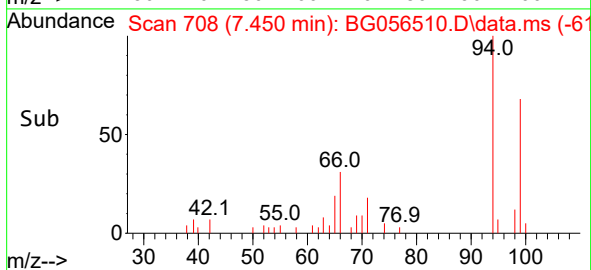
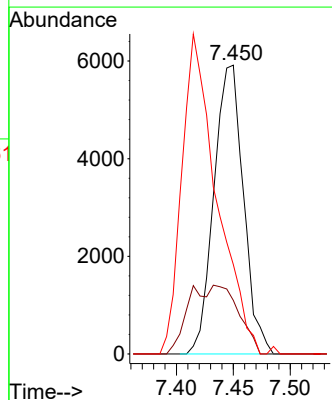
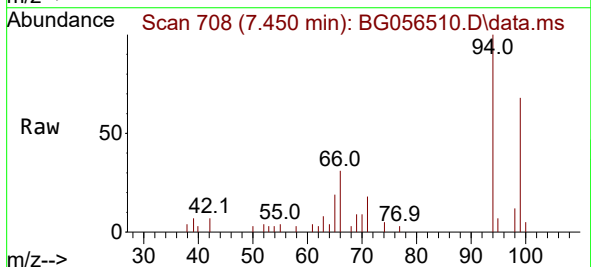
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

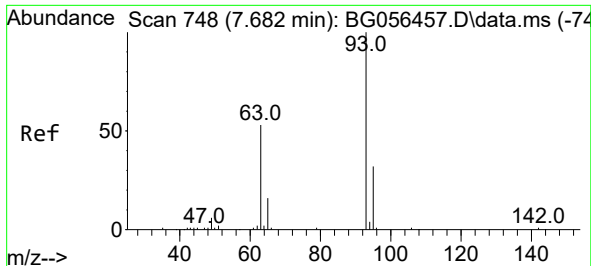
Tgt Ion: 77 Resp: 7684
Ion Ratio Lower Upper
77 100
105 88.4 101.8 141.8#
106 90.9 93.0 133.0#



#10
Phenol
Concen: 4.622 ng
RT: 7.450 min Scan# 708
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 94 Resp: 10686
Ion Ratio Lower Upper
94 100
65 18.5 2.3 42.3
66 31.0 11.2 51.2

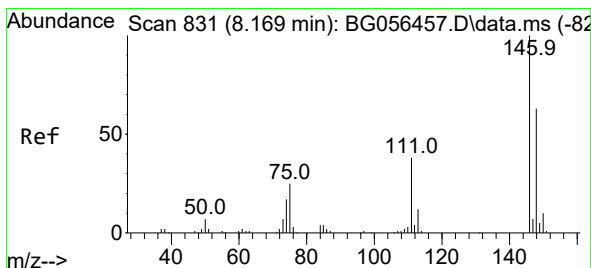
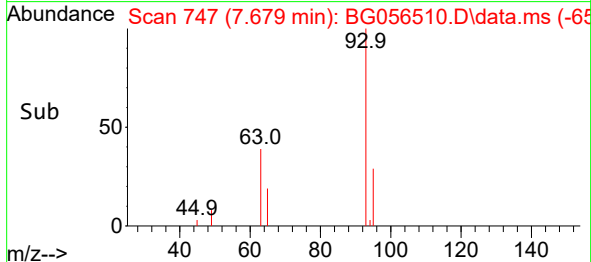
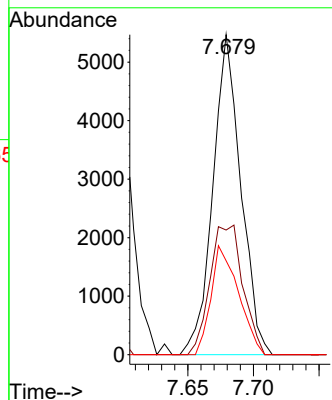
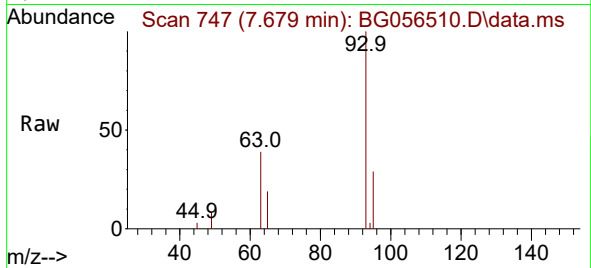




#11
bis(2-Chloroethyl)ether
Concen: 5.095 ng
RT: 7.679 min Scan# 748
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

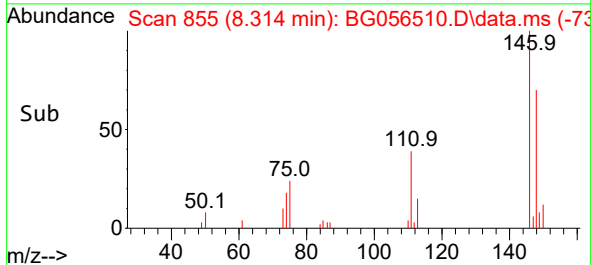
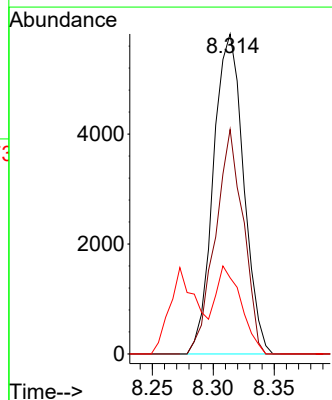
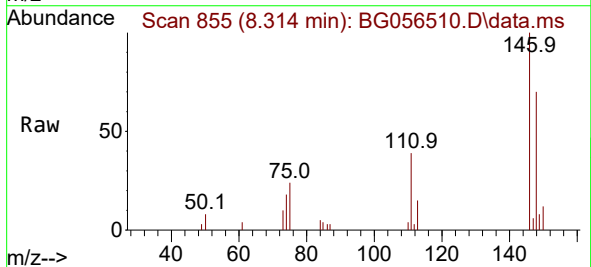
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

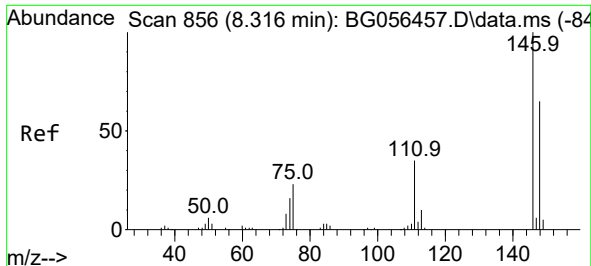
Tgt Ion: 93 Resp: 8096
Ion Ratio Lower Upper
93 100
63 38.9 32.4 72.4
95 29.3 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 5.164 ng
RT: 8.314 min Scan# 855
Delta R.T. 0.150 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 146 Resp: 10027
Ion Ratio Lower Upper
146 100
148 70.1 50.6 75.8
75 23.8 19.6 29.4

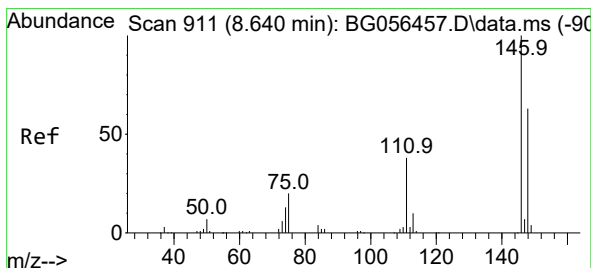
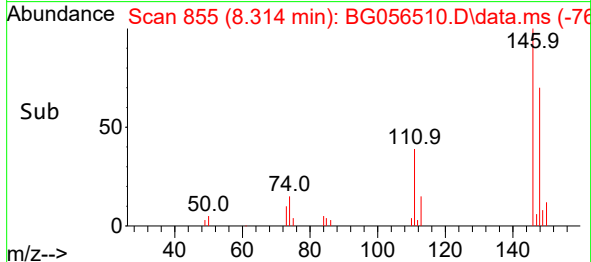
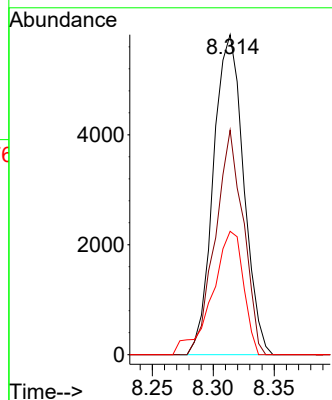
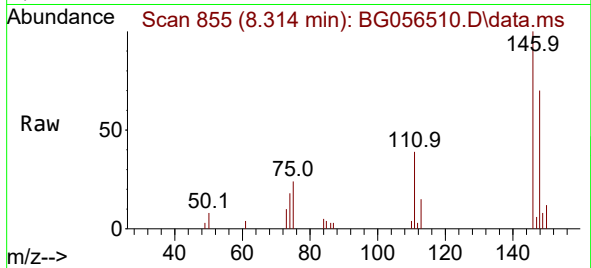




#13
1,4-Dichlorobenzene
Concen: 5.099 ng
RT: 8.314 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

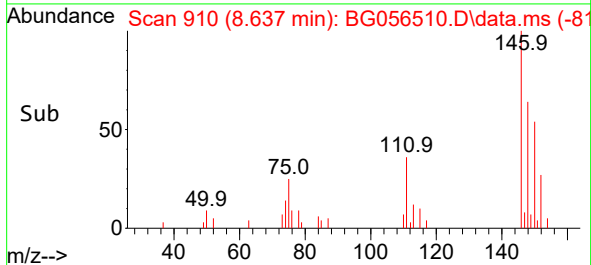
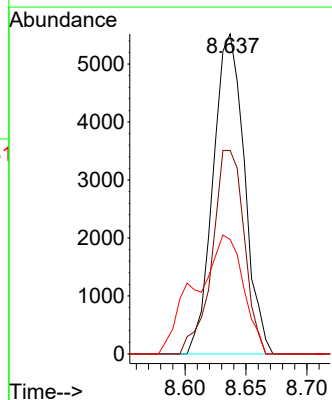
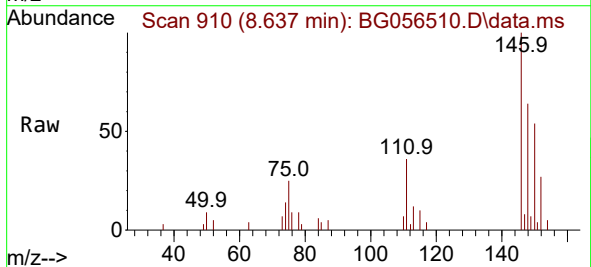
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

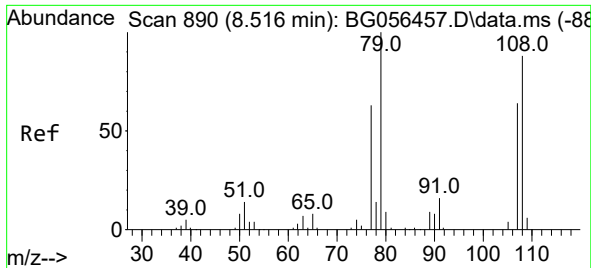
Tgt Ion:146 Resp: 10027
Ion Ratio Lower Upper
146 100
148 70.1 51.8 77.6
111 38.5 28.6 42.8



#14
1,2-Dichlorobenzene
Concen: 5.167 ng
RT: 8.637 min Scan# 910
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:146 Resp: 9857
Ion Ratio Lower Upper
146 100
148 63.6 50.1 75.1
111 35.8 30.9 46.3

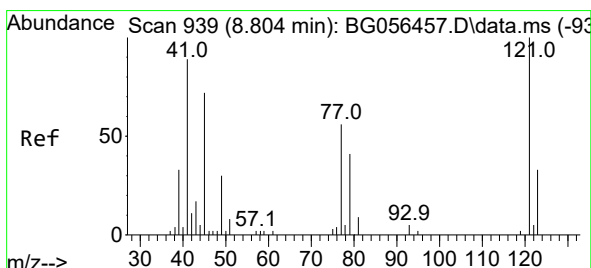
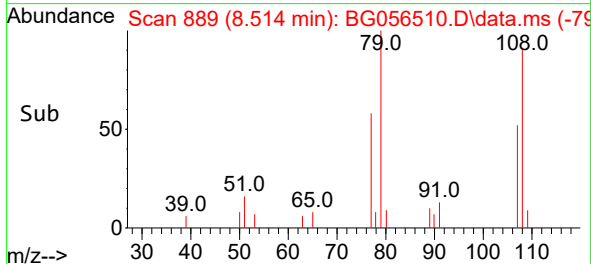
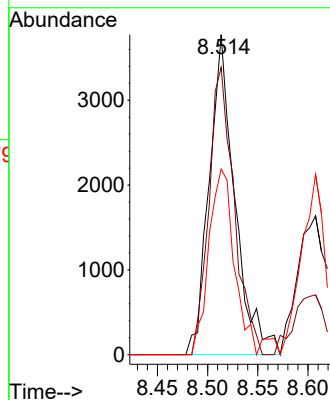
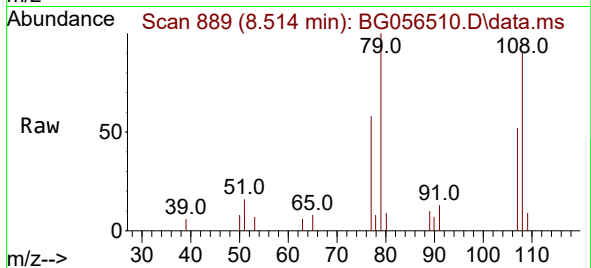




#15
Benzyl Alcohol
Concen: 4.299 ng
RT: 8.514 min Scan# 890
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

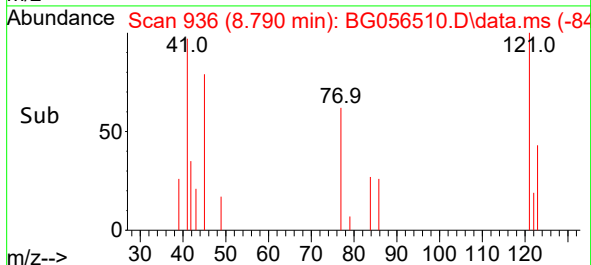
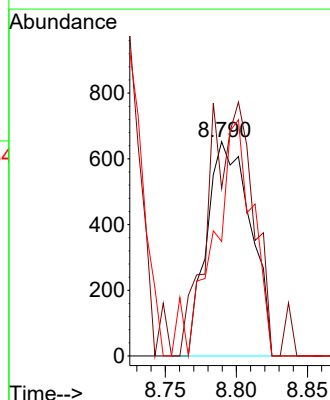
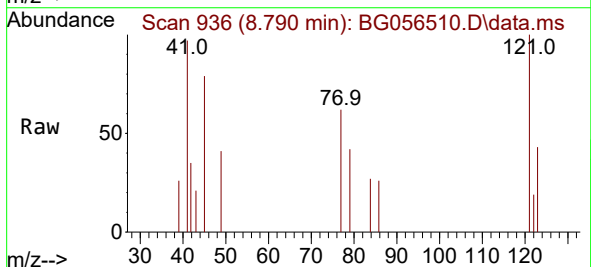
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

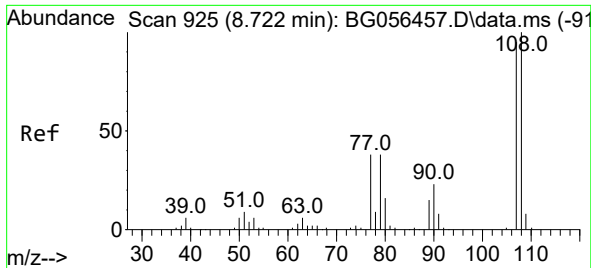
Tgt Ion: 79 Resp: 6709
Ion Ratio Lower Upper
79 100
108 89.8 70.1 105.1
77 58.0 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.152 ng
RT: 8.790 min Scan# 936
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 45 Resp: 1398
Ion Ratio Lower Upper
45 100
77 78.2 62.1 102.1
79 53.5 42.7 82.7

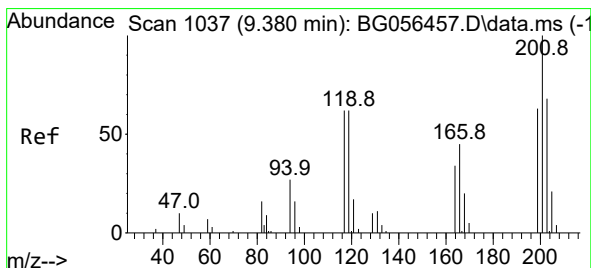
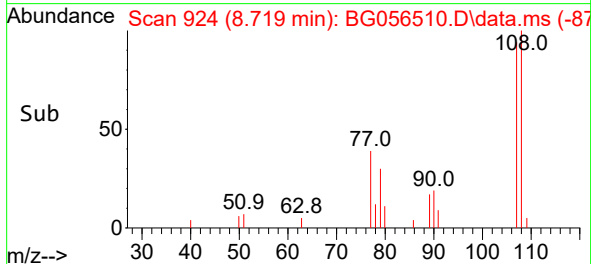
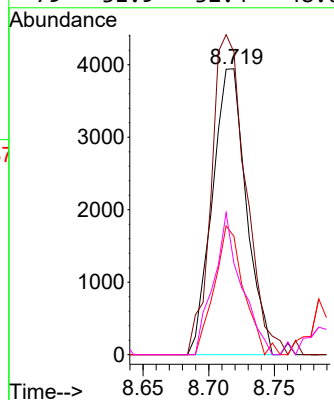
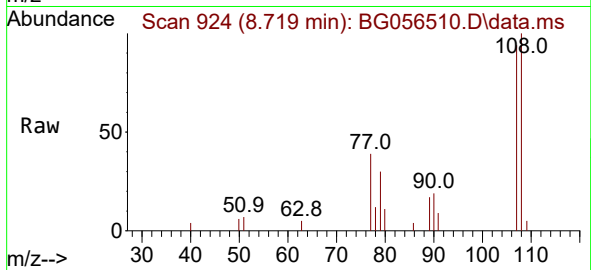




#17
2-Methylphenol
Concen: 4.028 ng
RT: 8.719 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

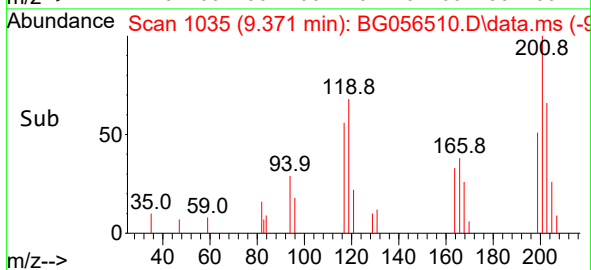
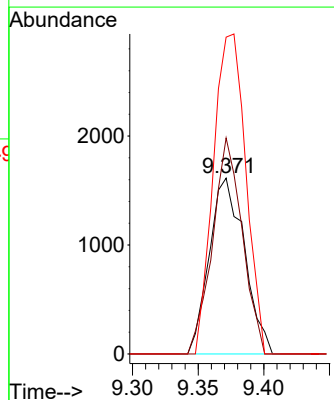
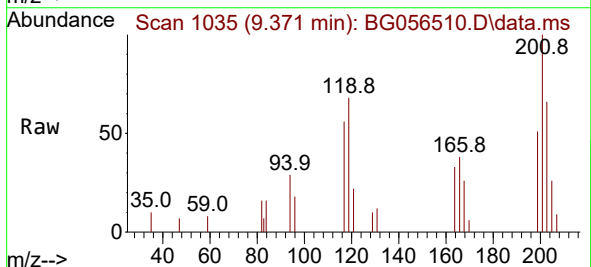
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

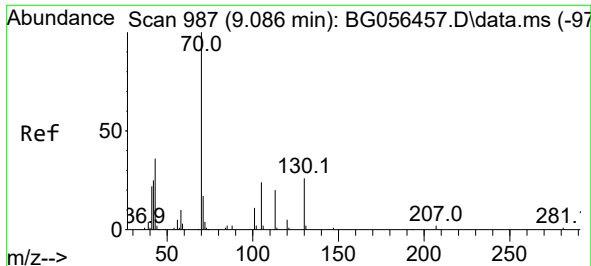
Tgt Ion:107 Resp: 7085
Ion Ratio Lower Upper
107 100
108 105.9 83.9 125.9
77 41.4 31.6 47.4
79 31.9 32.4 48.6#



#18
Hexachloroethane
Concen: 5.051 ng
RT: 9.371 min Scan# 1035
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:117 Resp: 3004
Ion Ratio Lower Upper
117 100
119 122.8 79.4 119.0#
201 180.1 128.5 192.7

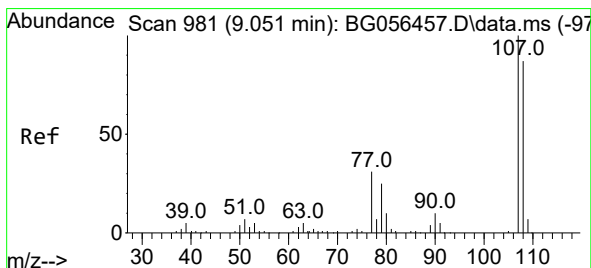
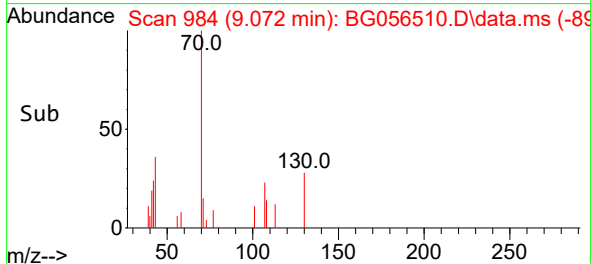
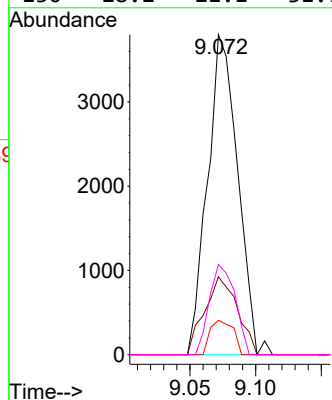
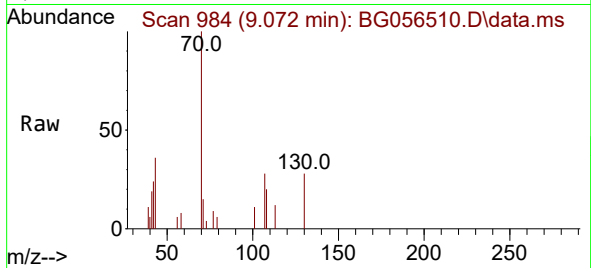




#19
n-Nitroso-di-n-propylamine
Concen: 4.635 ng
RT: 9.072 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

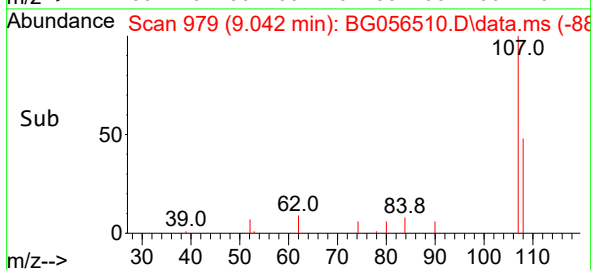
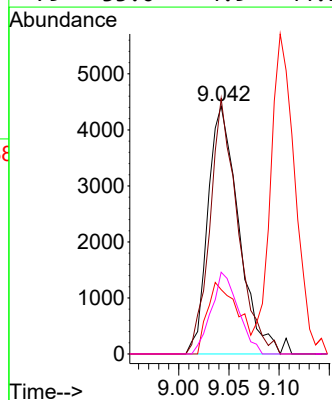
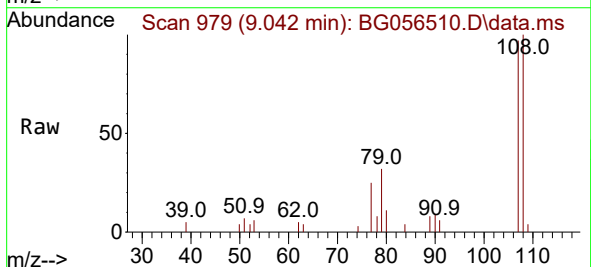
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

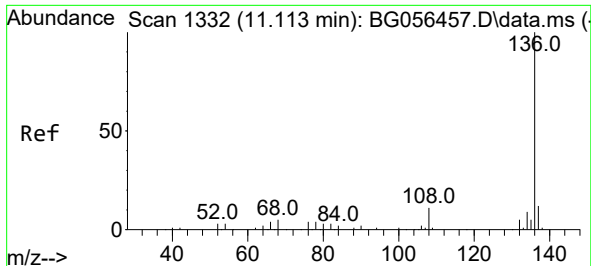
Tgt Ion:	70	Resp:	6076
Ion	Ratio	Lower	Upper
70	100		
42	24.3	20.2	30.4
101	10.8	9.1	13.7
130	28.2	21.1	31.7



#20
3+4-Methylphenols
Concen: 3.817 ng
RT: 9.042 min Scan# 979
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:	107	Resp:	9408
Ion	Ratio	Lower	Upper
107	100		
108	103.0	66.7	106.7
77	25.9	10.6	50.6
79	33.0	4.9	44.9

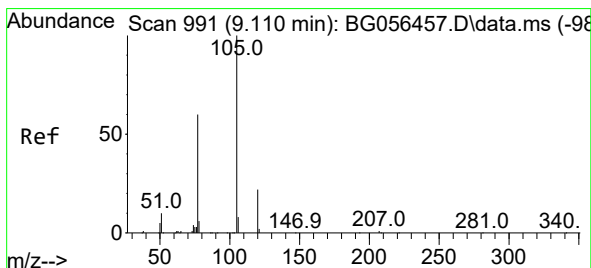
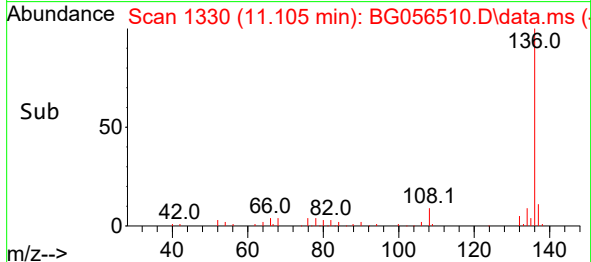
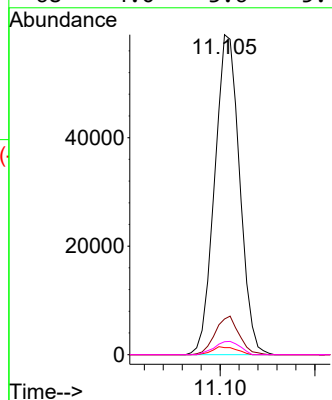
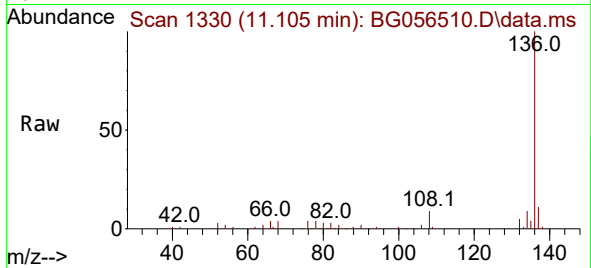




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

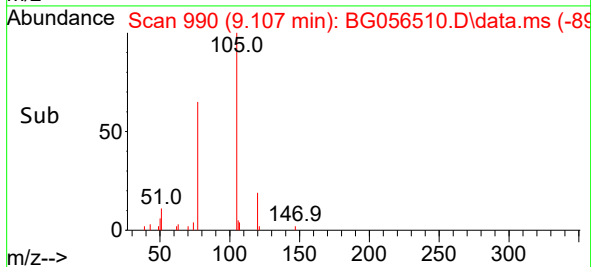
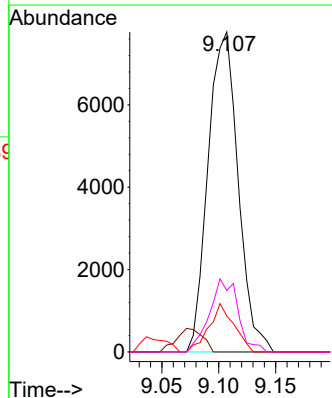
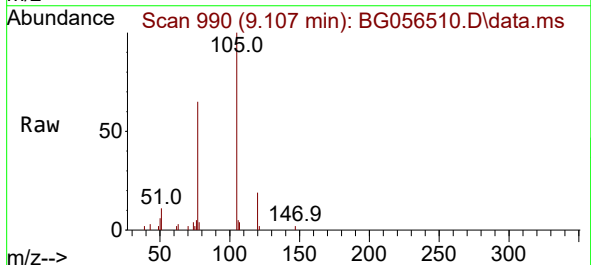
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

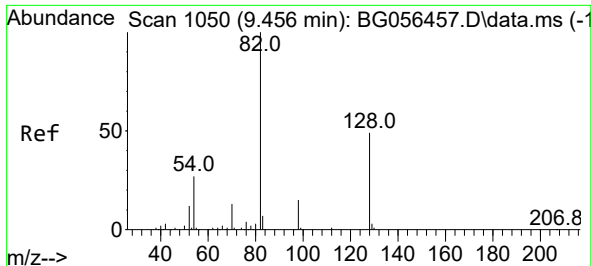
Tgt Ion:136 Resp: 107738
Ion Ratio Lower Upper
136 100
137 11.1 9.4 14.0
54 2.2 2.2 3.4#
68 4.0 3.6 5.4



#22
Acetophenone
Concen: 4.992 ng
RT: 9.107 min Scan# 990
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:105 Resp: 14289
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8#
51 11.2 9.2 13.8
120 19.2 17.4 26.0

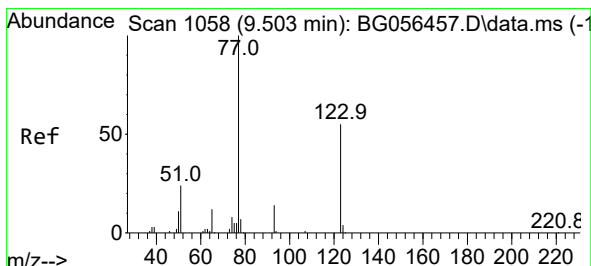
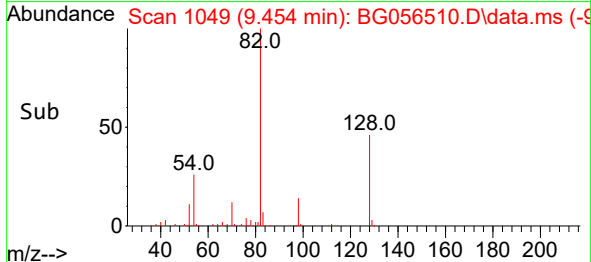
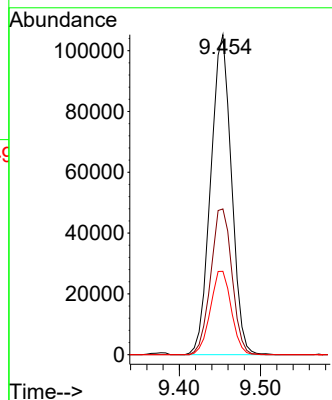
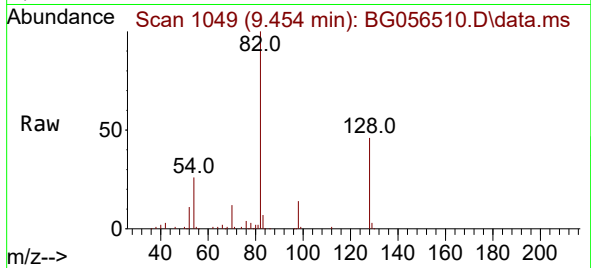




#23
Nitrobenzene-d5
Concen: 98.177 ng
RT: 9.454 min Scan# 1049
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

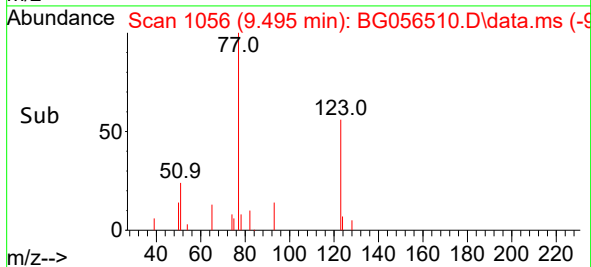
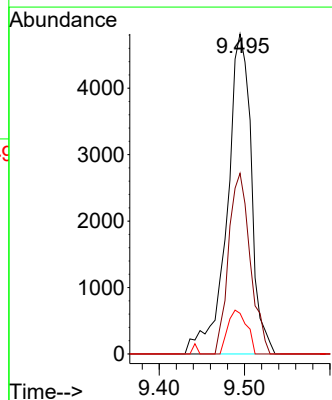
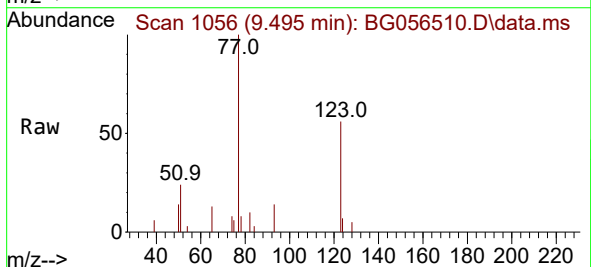
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

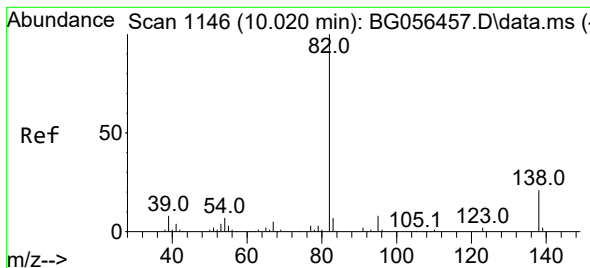
Tgt Ion: 82 Resp: 186270
Ion Ratio Lower Upper
82 100
128 45.6 39.4 59.2
54 26.1 21.4 32.2



#24
Nitrobenzene
Concen: 5.174 ng
RT: 9.495 min Scan# 1056
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 77 Resp: 9469
Ion Ratio Lower Upper
77 100
123 56.4 44.0 66.0
65 12.7 9.7 14.5





#25

Isophorone

Concen: 4.620 ng

RT: 10.012 min Scan# 1144

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

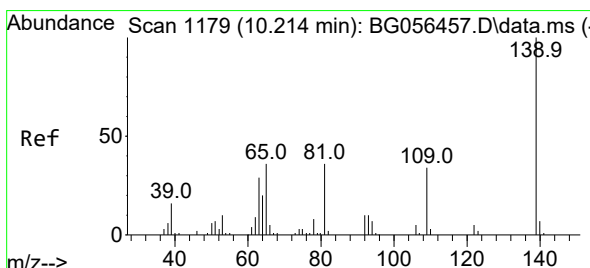
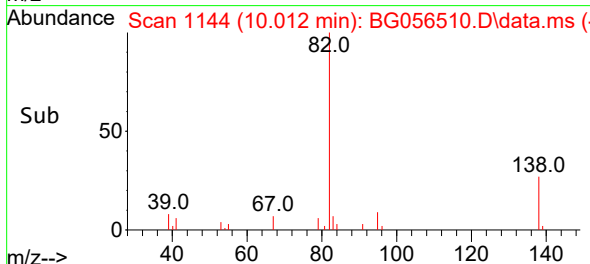
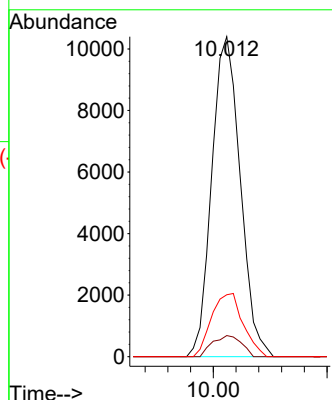
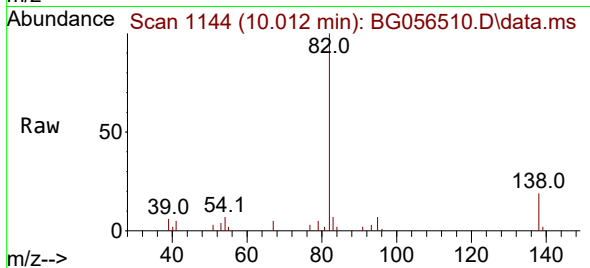
Tgt Ion: 82 Resp: 18082

Ion Ratio Lower Upper

82 100

95 6.6 6.3 9.5

138 19.4 16.6 25.0



#26

2-Nitrophenol

Concen: 4.698 ng

RT: 10.212 min Scan# 1178

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

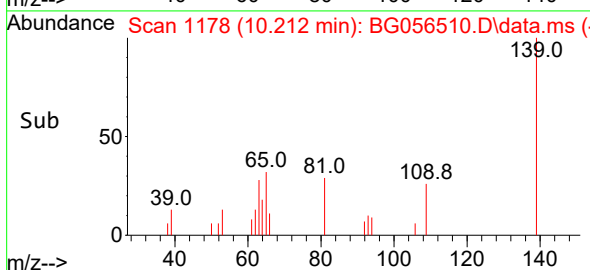
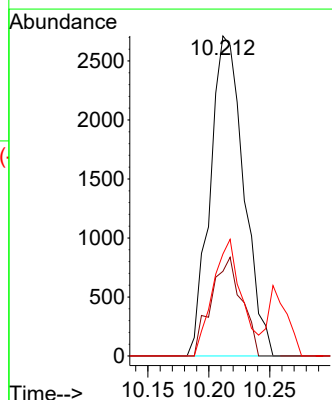
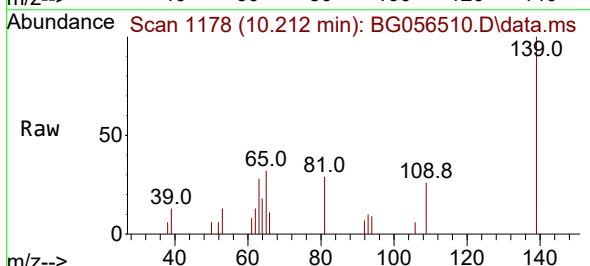
Tgt Ion:139 Resp: 5216

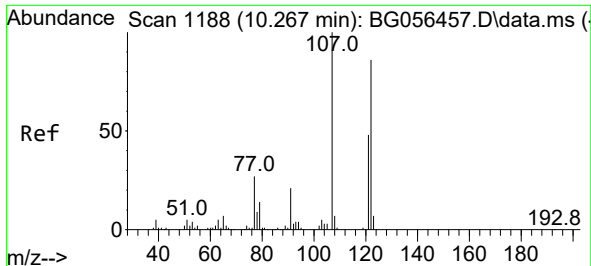
Ion Ratio Lower Upper

139 100

109 26.4 26.9 40.3#

65 31.9 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 4.346 ng

RT: 10.259 min Scan# 1186

Delta R.T. 0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

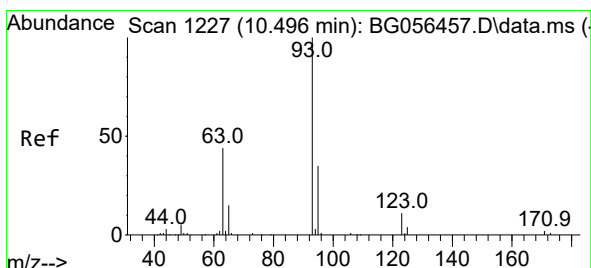
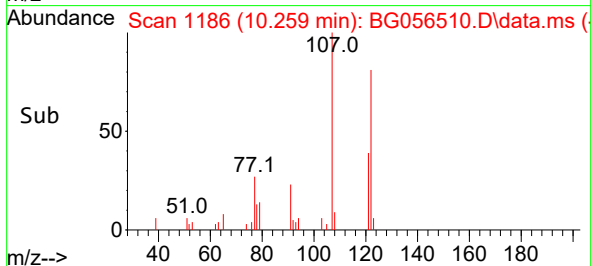
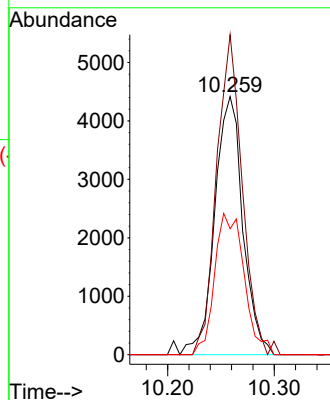
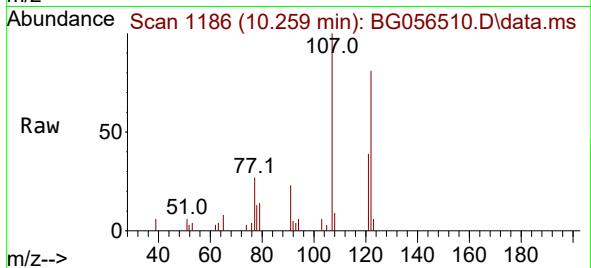
Tgt Ion:122 Resp: 8077

Ion Ratio Lower Upper

122 100

107 124.0 92.9 139.3

121 48.8 45.0 67.4



#28

bis(2-Chloroethoxy)methane

Concen: 4.896 ng

RT: 10.488 min Scan# 1225

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

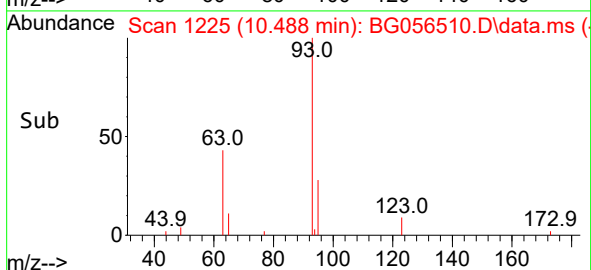
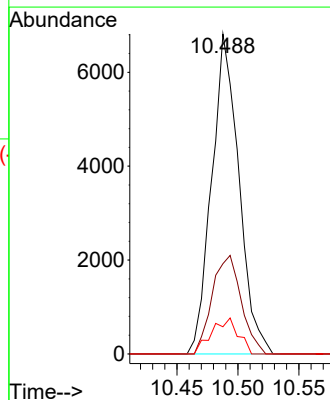
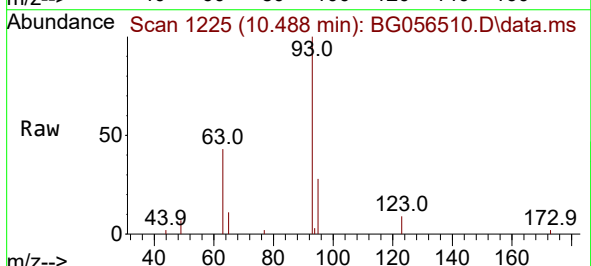
Tgt Ion: 93 Resp: 10587

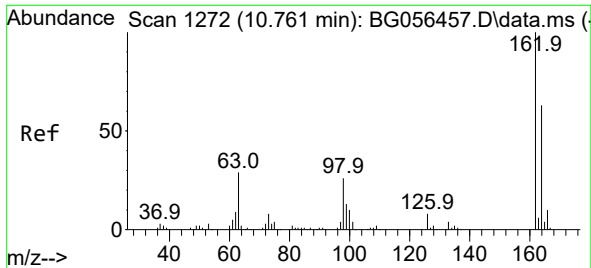
Ion Ratio Lower Upper

93 100

95 28.2 27.9 41.9

123 8.5 8.6 12.8#





#29

2,4-Dichlorophenol

Concen: 4.371 ng

RT: 10.758 min Scan# 11

Delta R.T. 0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

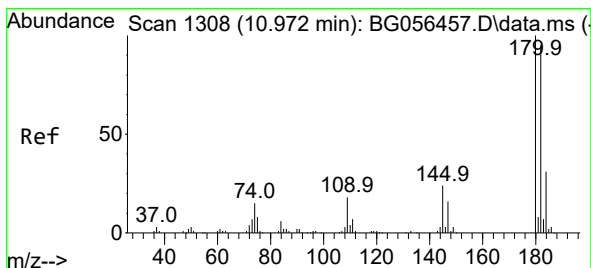
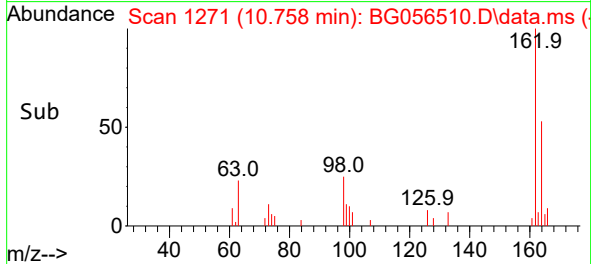
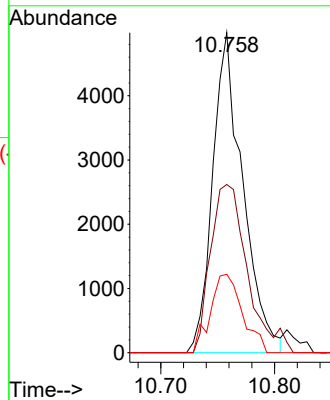
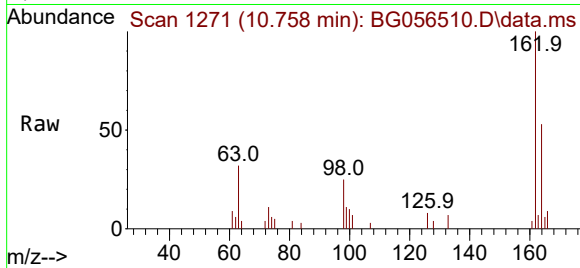
Tgt Ion:162 Resp: 9143

Ion Ratio Lower Upper

162 100

164 52.5 42.8 82.8

98 24.5 6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 4.889 ng

RT: 10.964 min Scan# 1306

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

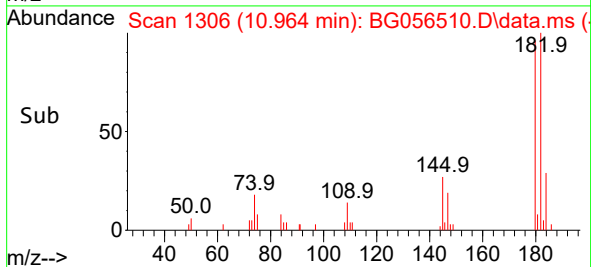
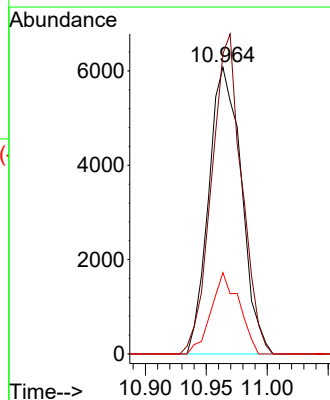
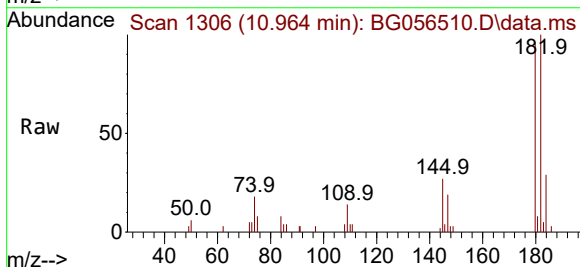
Tgt Ion:180 Resp: 11365

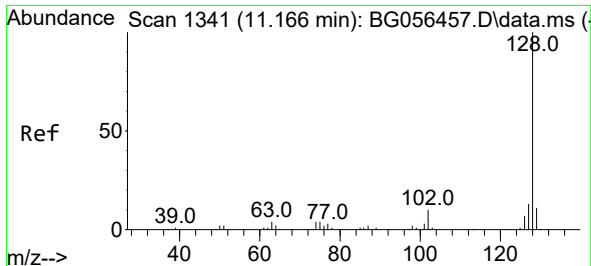
Ion Ratio Lower Upper

180 100

182 96.8 75.9 113.9

145 30.6 19.4 29.0#

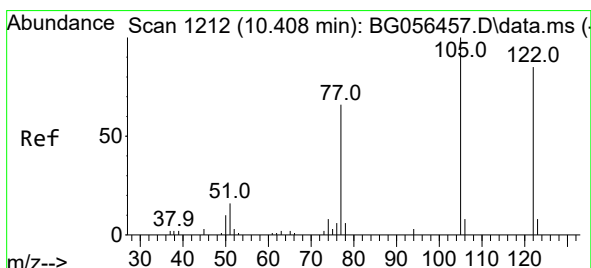
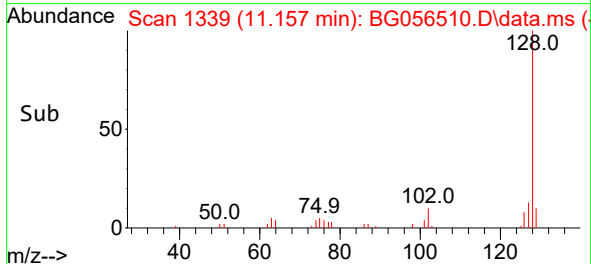
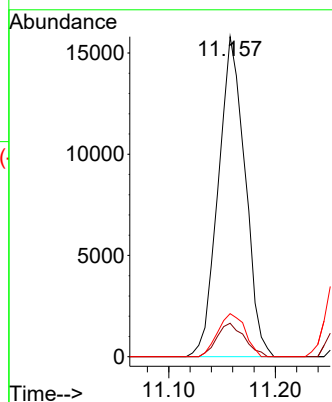
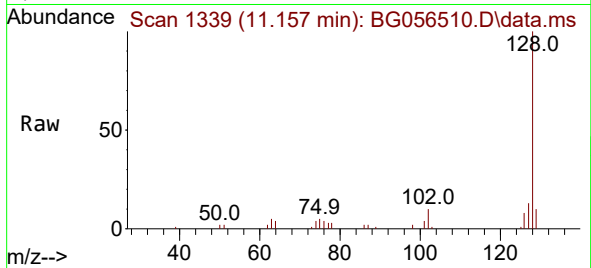




#31
Naphthalene
Concen: 4.846 ng
RT: 11.157 min Scan# 1186
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

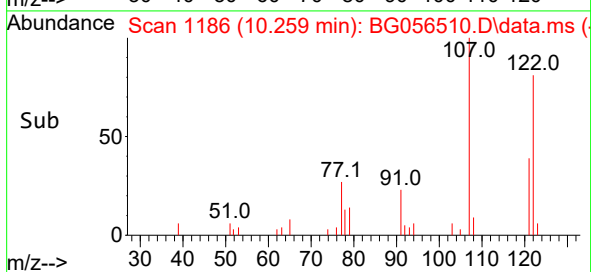
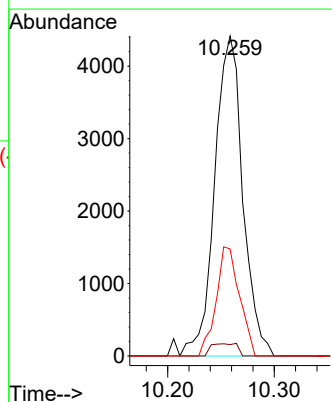
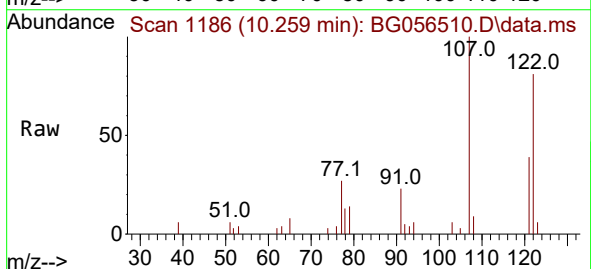
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

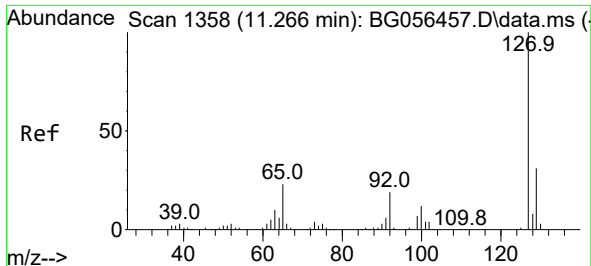
Tgt Ion:128 Resp: 27559
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 13.5 10.4 15.6



#32
Benzoic acid
Concen: 7.769 ng
RT: 10.259 min Scan# 1186
Delta R.T. -0.144 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:122 Resp: 8077
Ion Ratio Lower Upper
122 100
105 3.5 96.5 136.5#
77 33.4 57.3 97.3#

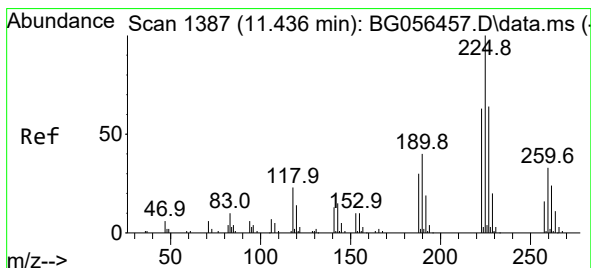
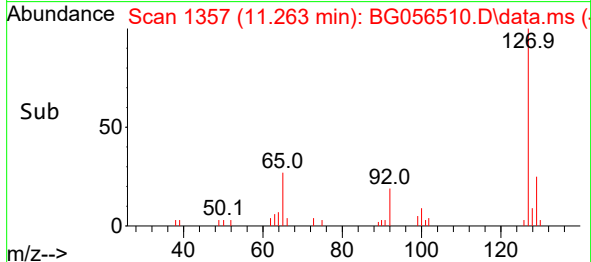
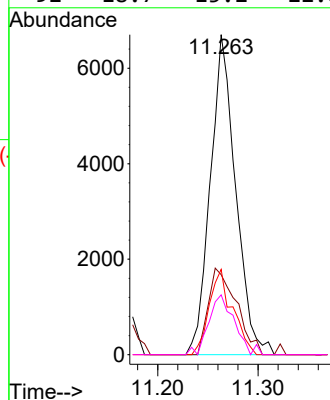
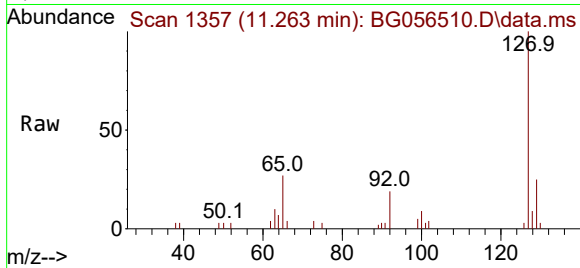




#33
4-Chloroaniline
Concen: 4.426 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

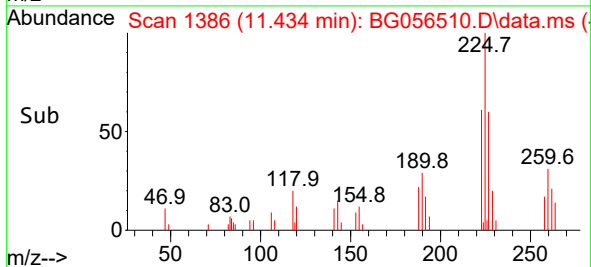
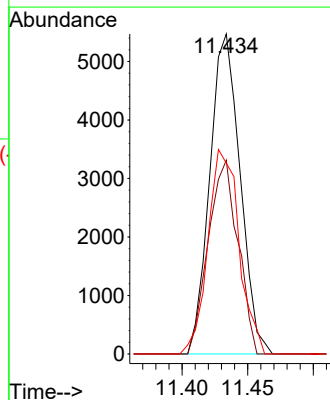
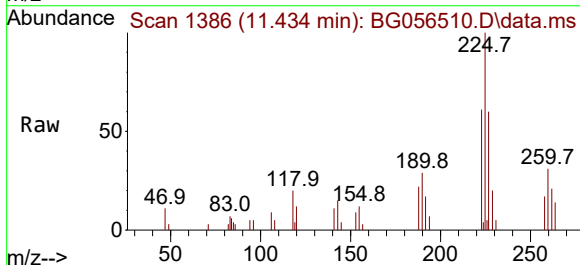
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

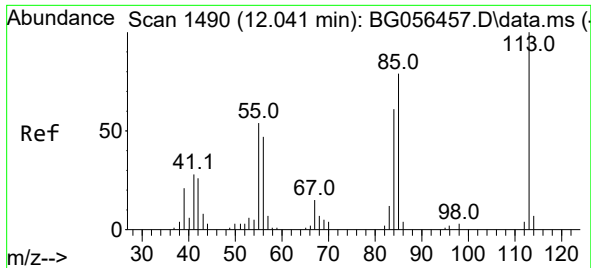
Tgt Ion:	127	Resp:	11747
Ion	Ratio	Lower	Upper
127	100		
129	25.0	25.0	37.6#
65	26.7	18.5	27.7
92	18.7	15.2	22.8



#34
Hexachlorobutadiene
Concen: 5.390 ng
RT: 11.434 min Scan# 1386
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:	225	Resp:	8795
Ion	Ratio	Lower	Upper
225	100		
223	60.5	50.6	75.8
227	59.6	53.7	80.5

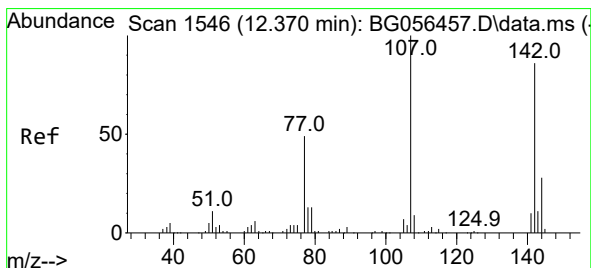
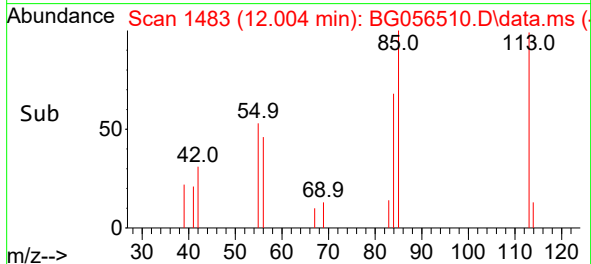
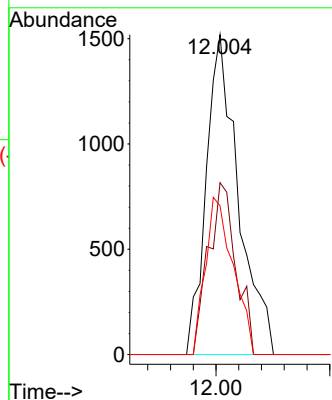
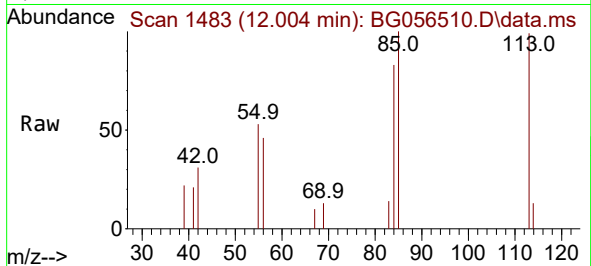




#35
Caprolactam
Concen: 4.226 ng
RT: 12.004 min Scan# 1490
Delta R.T. -0.026 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

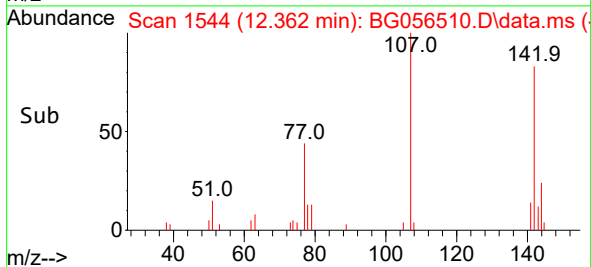
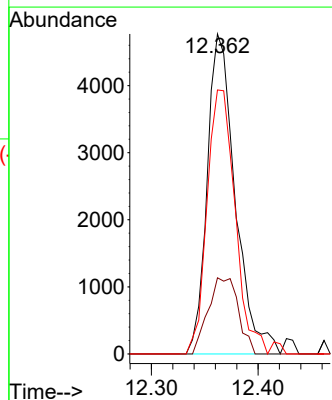
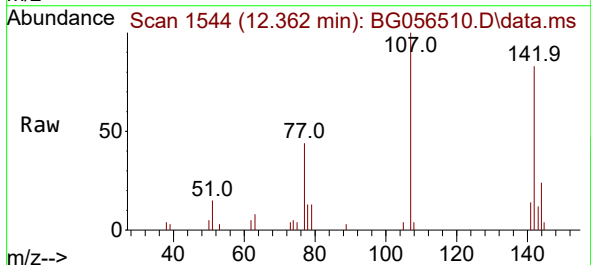
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

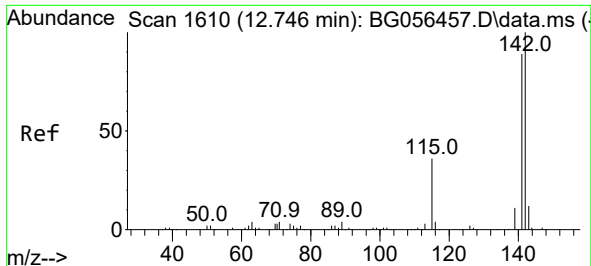
Tgt Ion:113 Resp: 2981
Ion Ratio Lower Upper
113 100
55 53.7 33.7 73.7
56 46.5 27.1 67.1



#36
4-Chloro-3-methylphenol
Concen: 4.305 ng
RT: 12.362 min Scan# 1544
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:107 Resp: 8696
Ion Ratio Lower Upper
107 100
144 27.3 22.3 33.5
142 82.5 68.9 103.3





#37

2-Methylnaphthalene

Concen: 4.654 ng

RT: 12.744 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

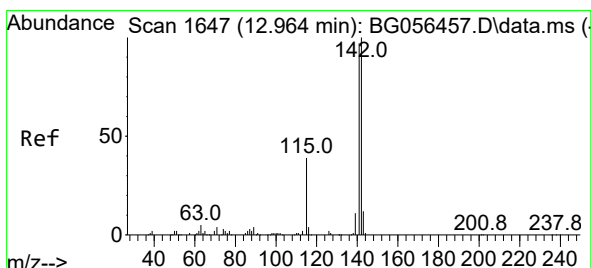
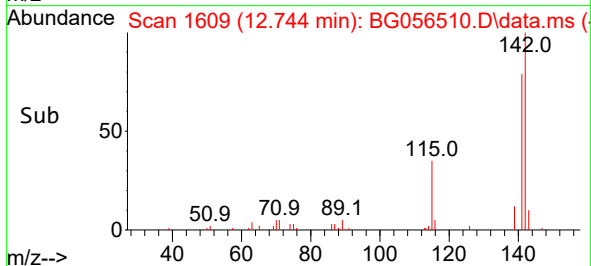
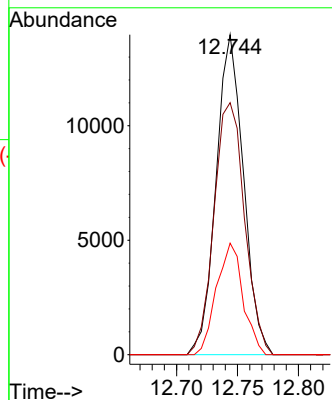
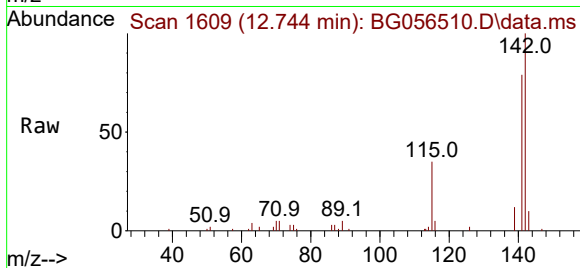
Tgt Ion:142 Resp: 21817

Ion Ratio Lower Upper

142 100

141 78.7 71.4 107.0

115 34.9 28.4 42.6



#38

1-Methylnaphthalene

Concen: 4.854 ng

RT: 12.961 min Scan# 1646

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

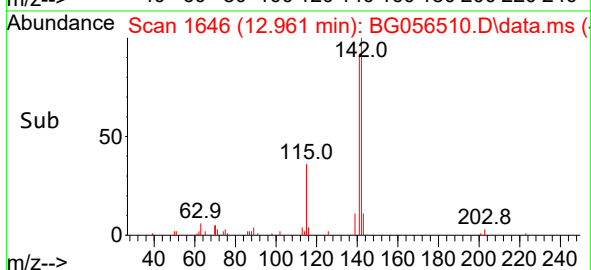
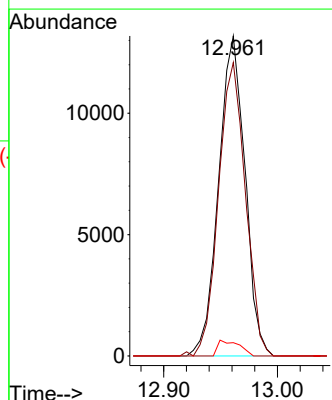
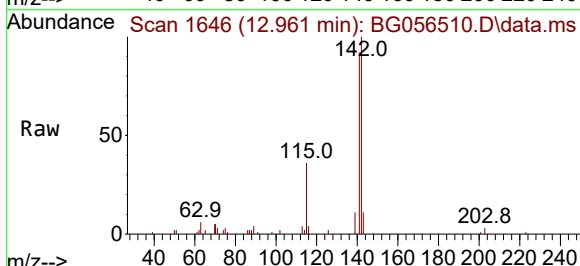
Tgt Ion:142 Resp: 21250

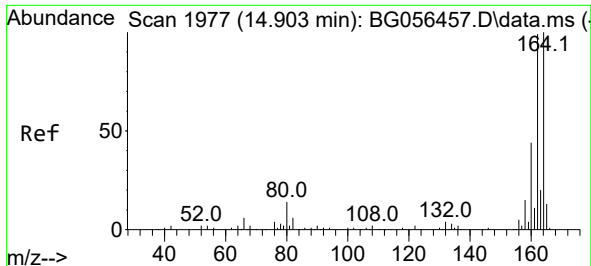
Ion Ratio Lower Upper

142 100

141 91.7 77.7 116.5

116 4.1 3.4 5.2

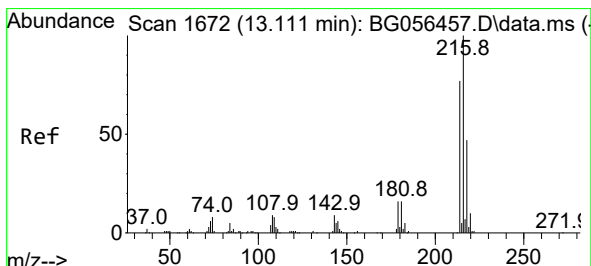
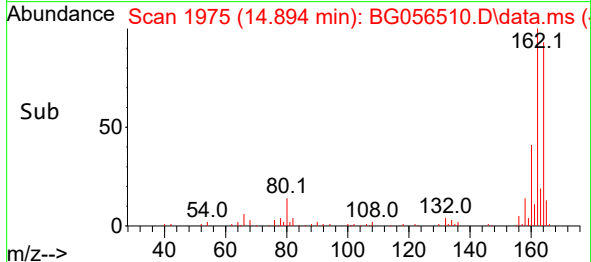
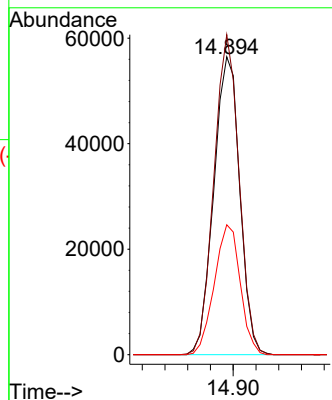
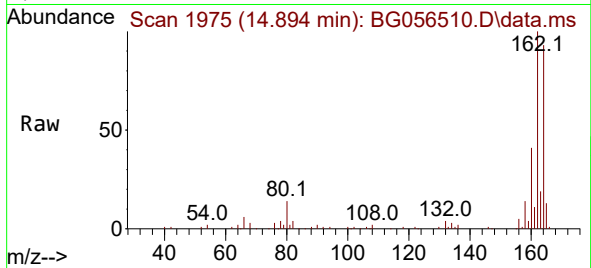




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

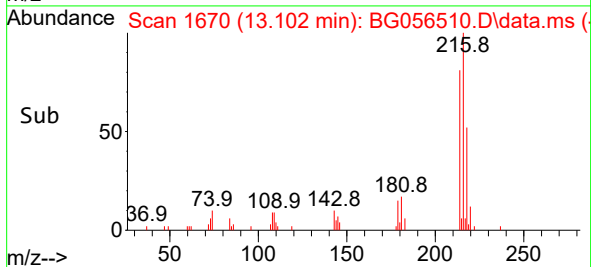
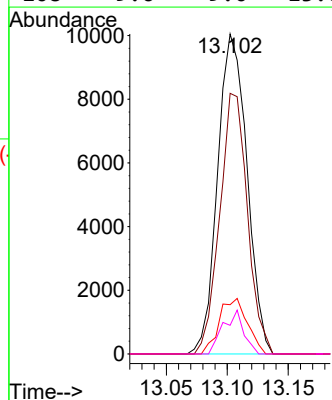
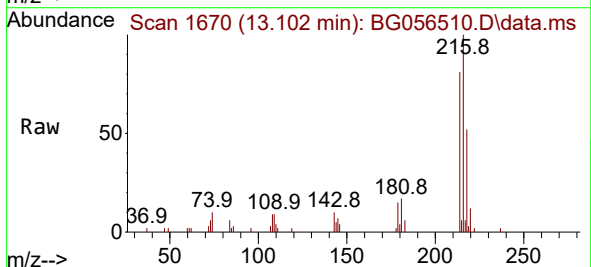
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

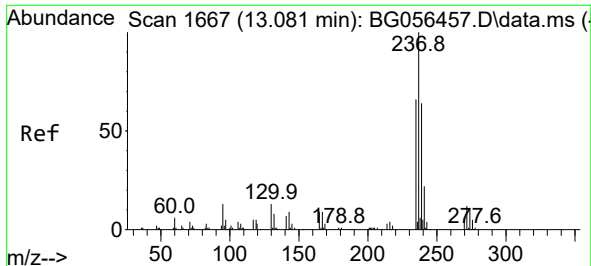
Tgt Ion:164 Resp: 89593
Ion Ratio Lower Upper
164 100
162 107.4 79.6 119.4
160 43.6 34.9 52.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.142 ng
RT: 13.102 min Scan# 1670
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:216 Resp: 16831
Ion Ratio Lower Upper
216 100
214 76.9 63.0 94.6
179 16.5 14.1 21.1
108 9.6 9.0 13.6

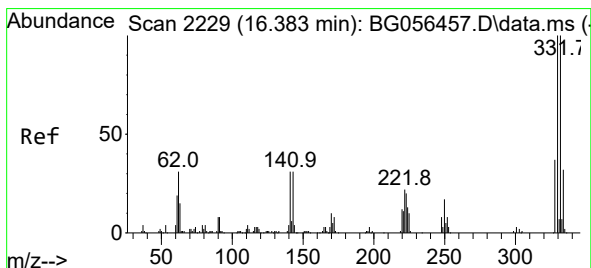
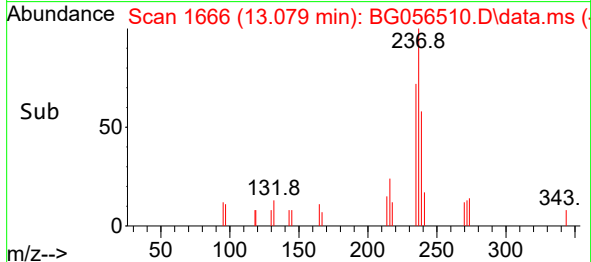
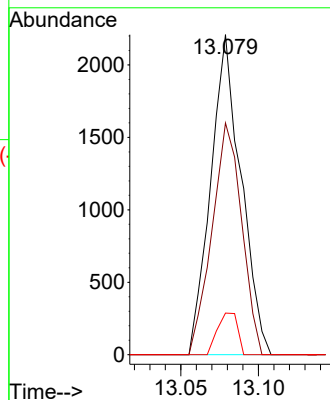
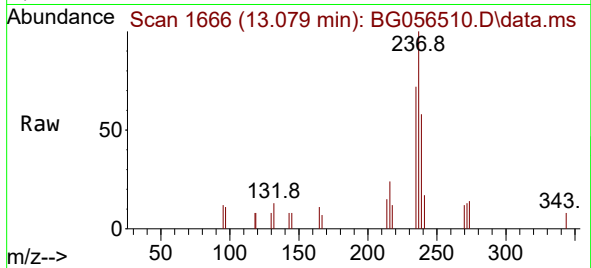




#41
Hexachlorocyclopentadiene
Concen: 7.964 ng
RT: 13.079 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

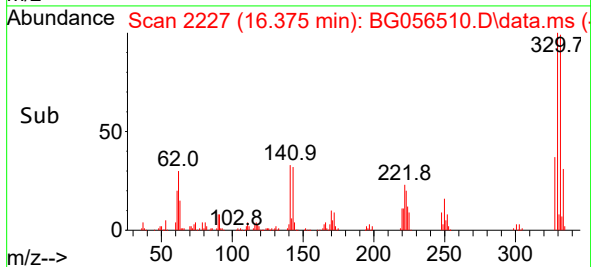
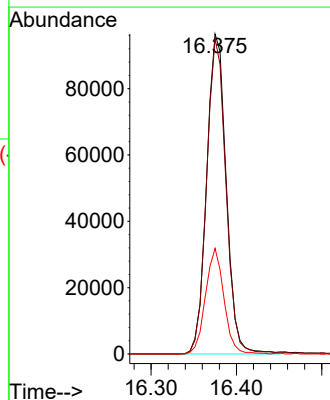
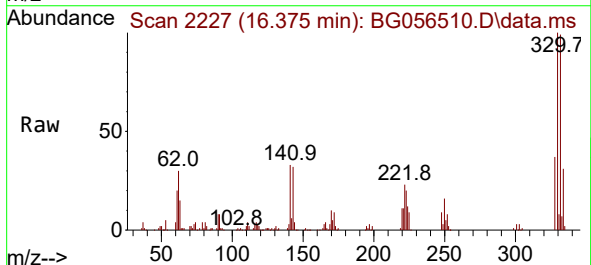
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

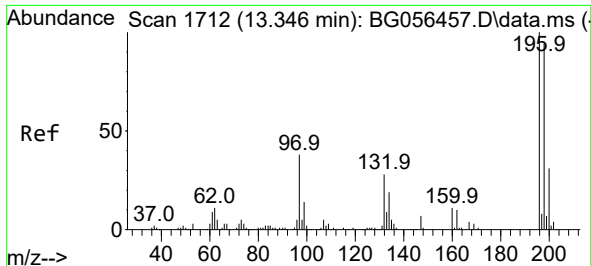
Tgt Ion:237 Resp: 3003
Ion Ratio Lower Upper
237 100
235 72.4 45.6 85.6
272 13.0 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 128.893 ng
RT: 16.375 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:330 Resp: 153522
Ion Ratio Lower Upper
330 100
332 98.0 79.0 118.6
141 31.1 24.2 36.4





#43

2,4,6-Trichlorophenol

Concen: 4.258 ng

RT: 13.343 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

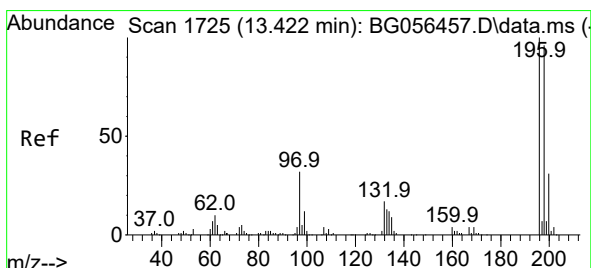
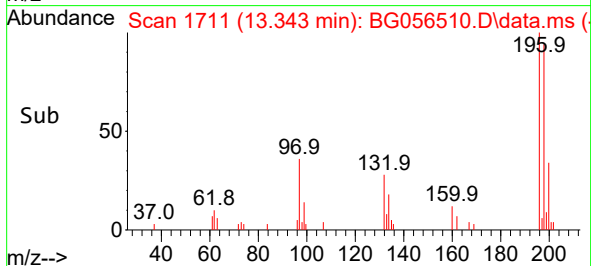
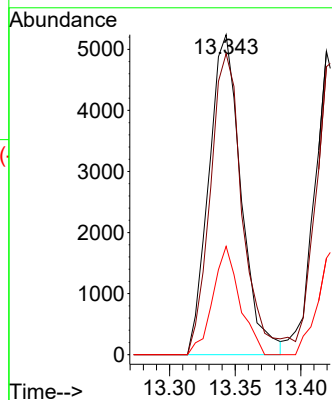
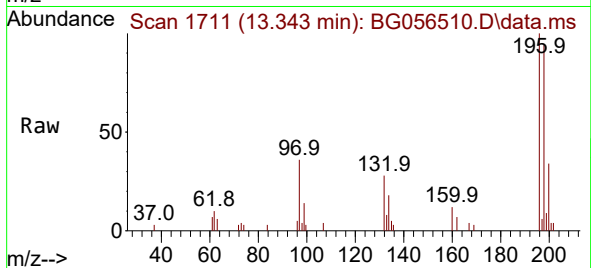
Tgt Ion:196 Resp: 8981

Ion Ratio Lower Upper

196 100

198 94.1 75.4 113.0

200 33.9 25.0 37.6



#44

2,4,5-Trichlorophenol

Concen: 4.150 ng

RT: 13.420 min Scan# 1724

Delta R.T. 0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Tgt Ion:196 Resp: 10250

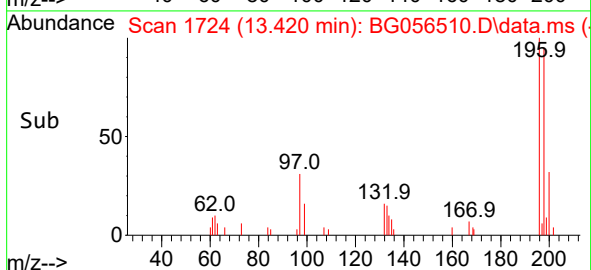
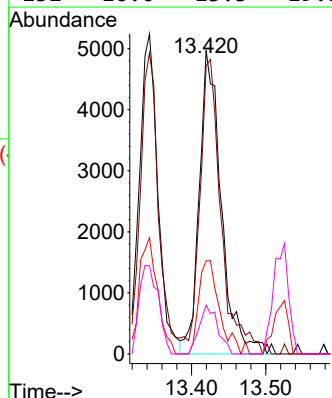
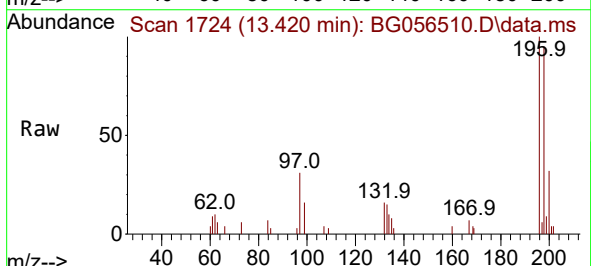
Ion Ratio Lower Upper

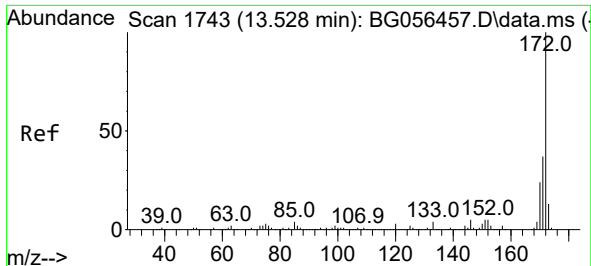
196 100

198 94.9 76.9 115.3

97 30.7 25.8 38.6

132 16.0 13.3 19.9

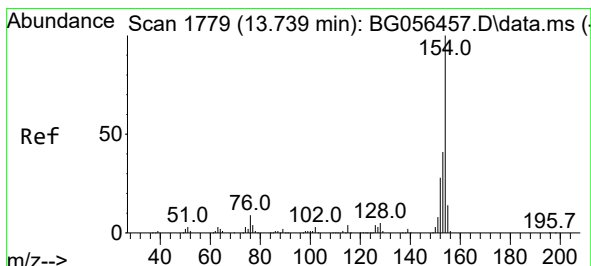
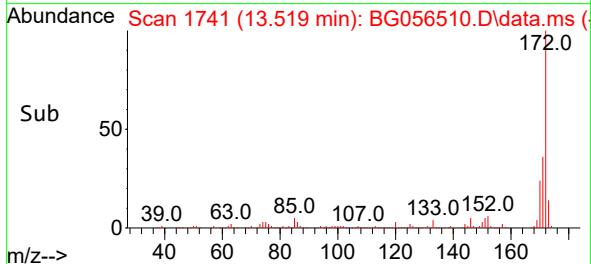
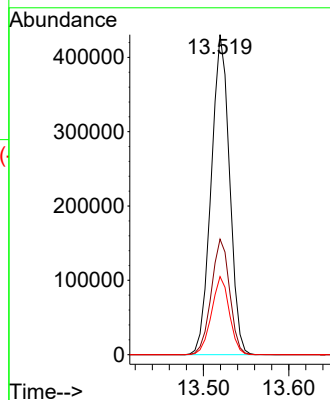
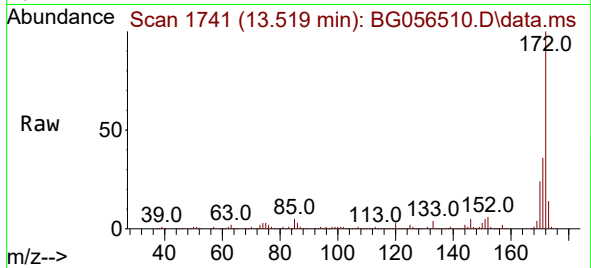




#45
2-Fluorobiphenyl
Concen: 99.658 ng
RT: 13.519 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

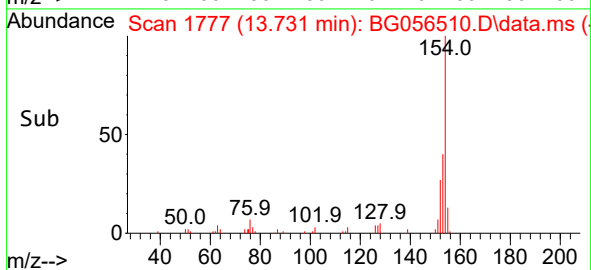
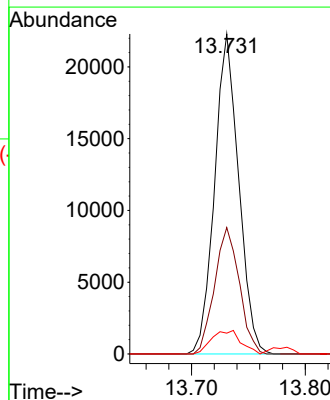
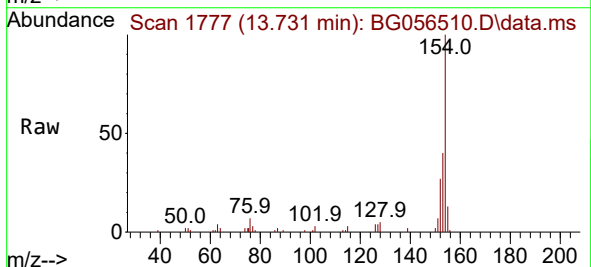
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

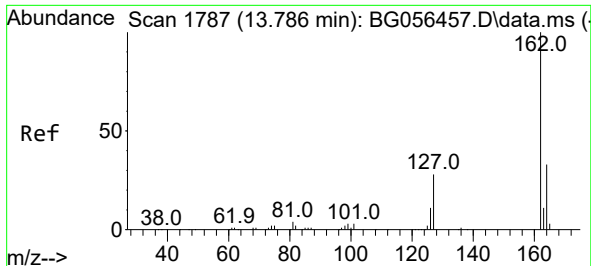
Tgt Ion:172 Resp: 644003
Ion Ratio Lower Upper
172 100
171 36.1 29.5 44.3
170 24.4 19.2 28.8



#46
1,1'-Biphenyl
Concen: 5.042 ng
RT: 13.731 min Scan# 1777
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:154 Resp: 32766
Ion Ratio Lower Upper
154 100
153 39.5 21.5 61.5
76 6.5 0.0 28.8

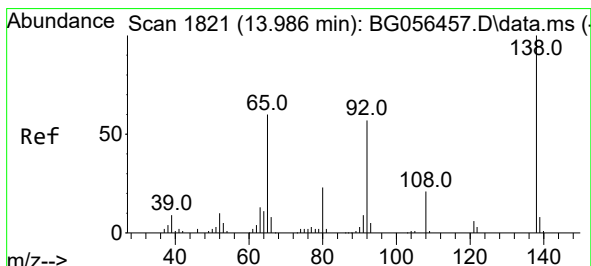
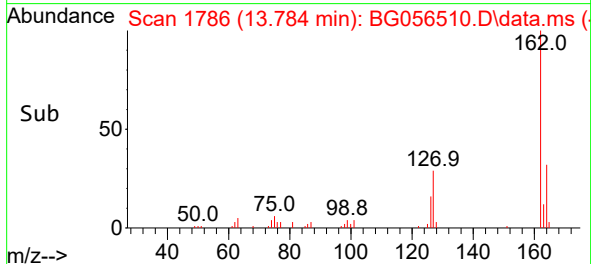
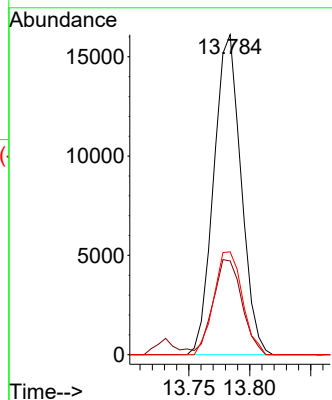
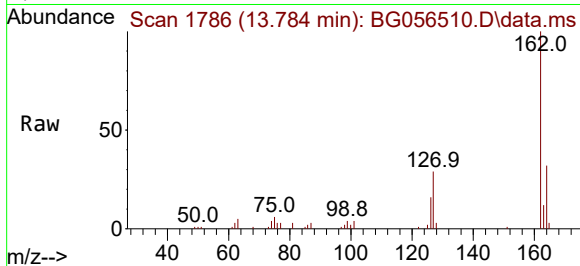




#47
2-Chloronaphthalene
Concen: 4.935 ng
RT: 13.784 min Scan# 1784
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

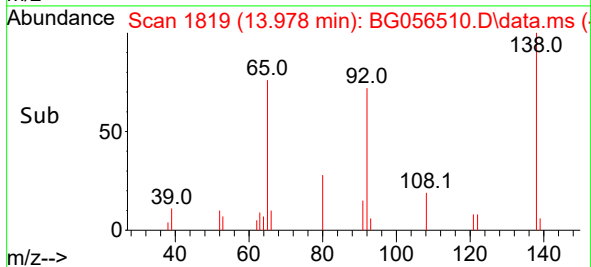
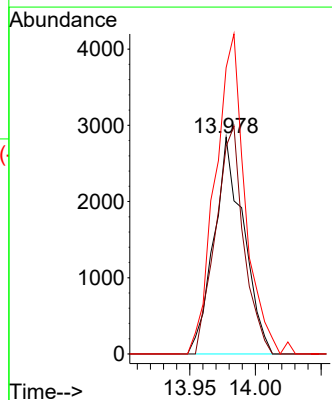
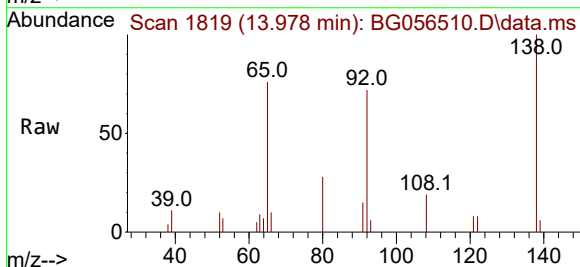
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

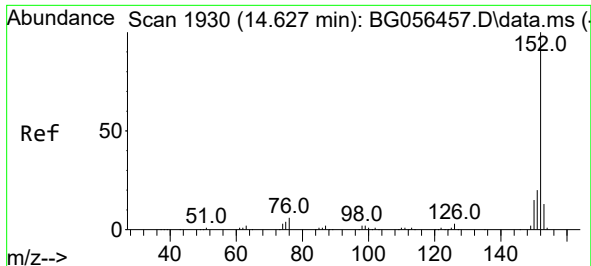
Tgt Ion:162 Resp: 25067
Ion Ratio Lower Upper
162 100
127 29.3 25.2 37.8
164 32.1 26.2 39.2



#48
2-Nitroaniline
Concen: 4.246 ng
RT: 13.978 min Scan# 1819
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 65 Resp: 4458
Ion Ratio Lower Upper
65 100
92 95.8 75.8 113.6
138 132.2 133.2 199.8#

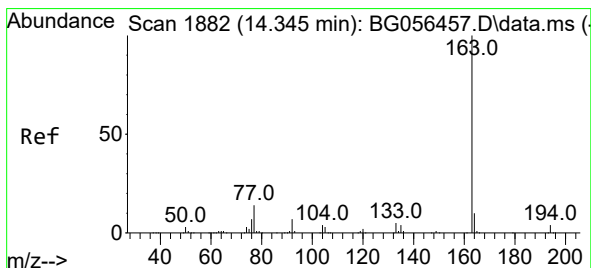
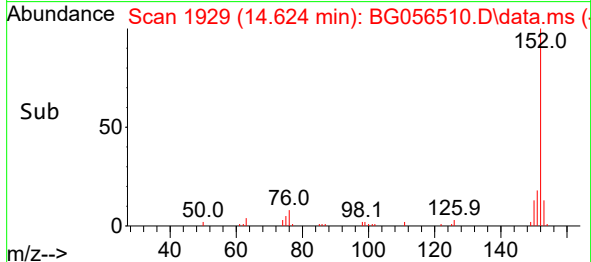
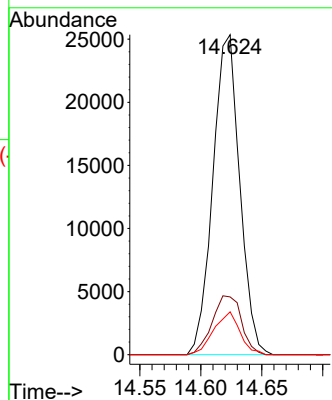
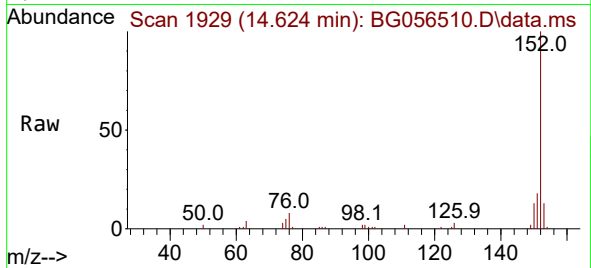




#49
Acenaphthylene
Concen: 4.696 ng
RT: 14.624 min Scan# 1930
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

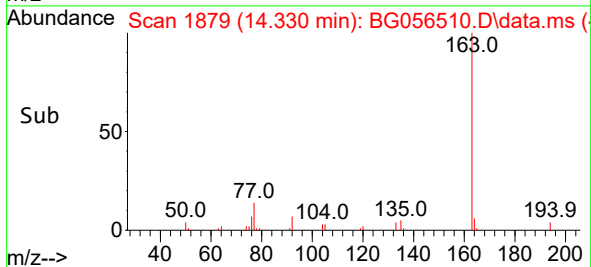
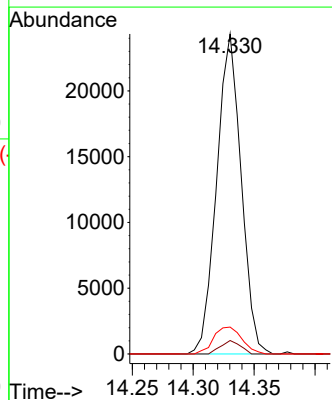
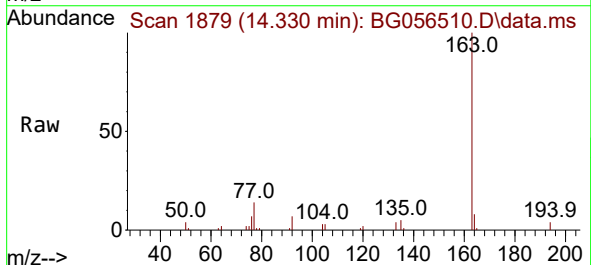
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

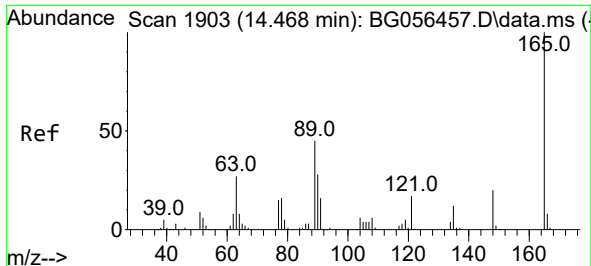
Tgt Ion:152 Resp: 38809
Ion Ratio Lower Upper
152 100
151 18.0 15.9 23.9
153 13.4 10.5 15.7



#50
Dimethylphthalate
Concen: 4.692 ng
RT: 14.330 min Scan# 1879
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:163 Resp: 34007
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 8.4 8.1 12.1

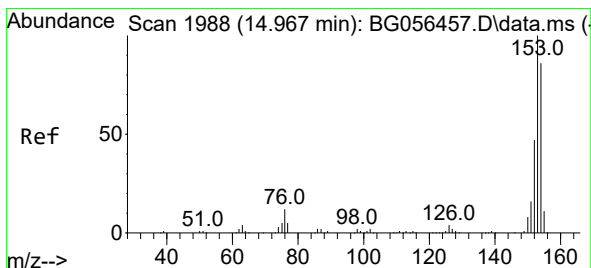
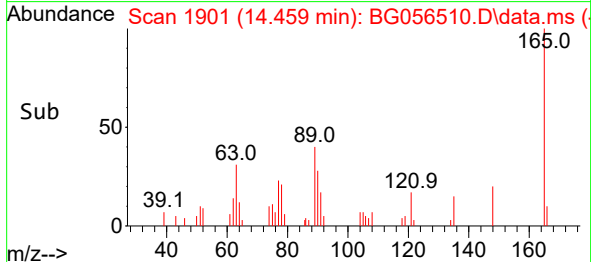
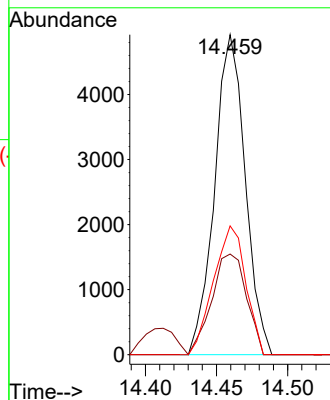
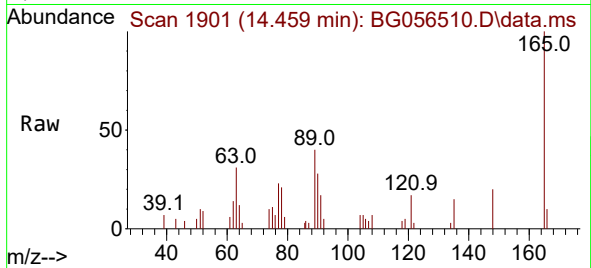




#51
2,6-Dinitrotoluene
Concen: 4.658 ng
RT: 14.459 min Scan# 1901
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

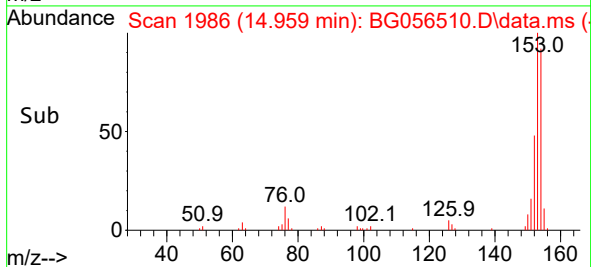
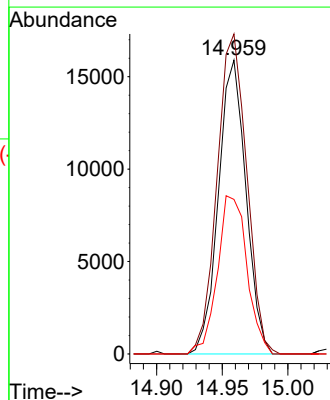
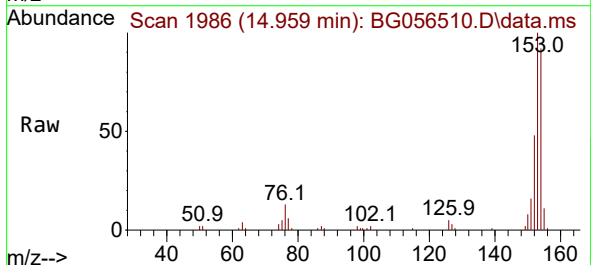
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

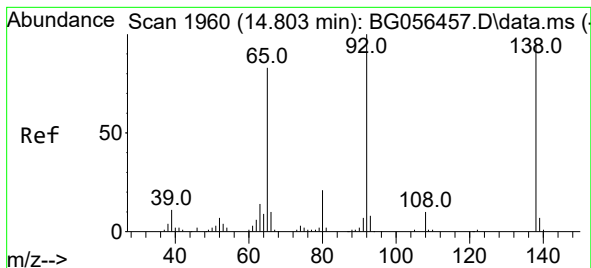
Tgt Ion:165 Resp: 7363
Ion Ratio Lower Upper
165 100
63 31.4 26.9 40.3
89 40.2 35.6 53.4



#52
Acenaphthene
Concen: 4.726 ng
RT: 14.959 min Scan# 1986
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:154 Resp: 23161
Ion Ratio Lower Upper
154 100
153 108.9 93.4 140.0
152 52.6 43.4 65.2





#53

3-Nitroaniline

Concen: 4.131 ng

RT: 14.794 min Scan# 1960

Delta R.T. -0.003 min

Lab File: BG056510.D

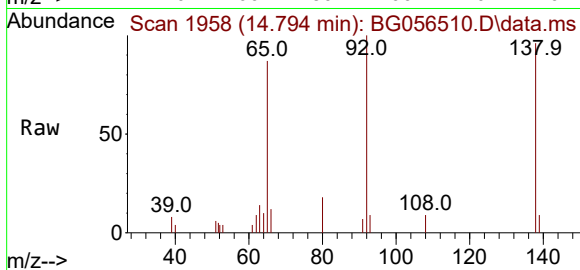
Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022



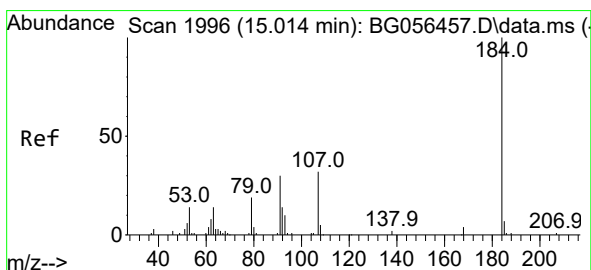
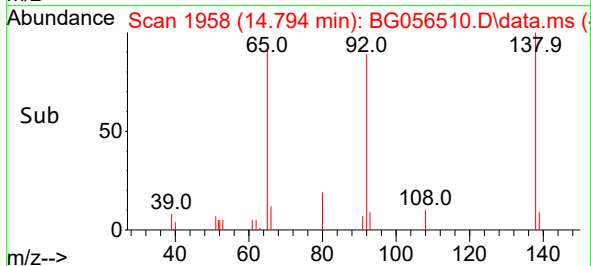
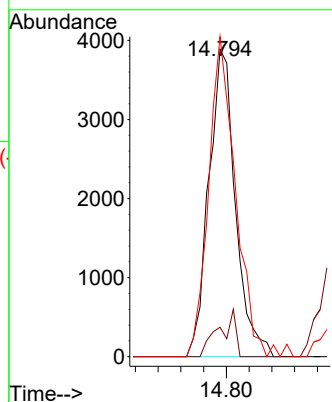
Tgt Ion:138 Resp: 6330

Ion Ratio Lower Upper

138 100

108 9.6 8.0 12.0

92 104.1 84.1 126.1



#54

2,4-Dinitrophenol

Concen: 0.816 ng

RT: 15.041 min Scan# 2000

Delta R.T. 0.032 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

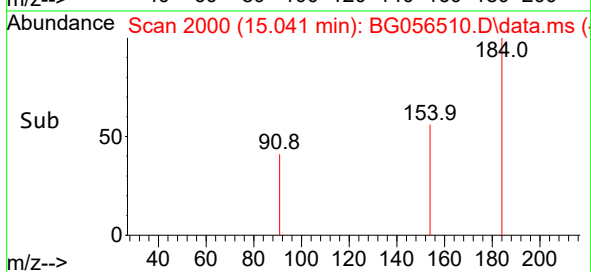
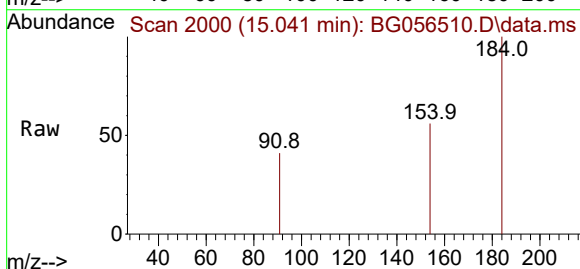
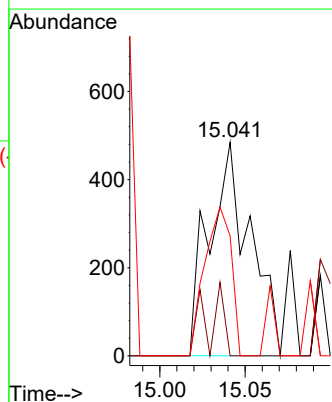
Tgt Ion:184 Resp: 809

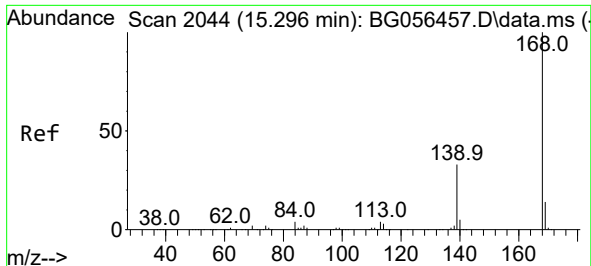
Ion Ratio Lower Upper

184 100

63 0.0 25.1 37.7#

154 56.1 44.8 67.2

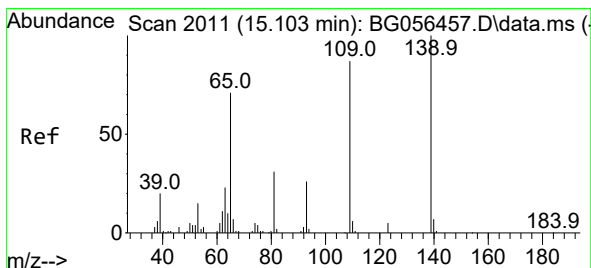
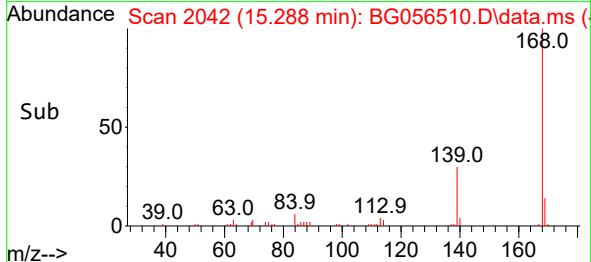
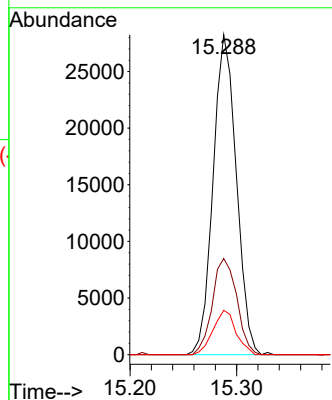
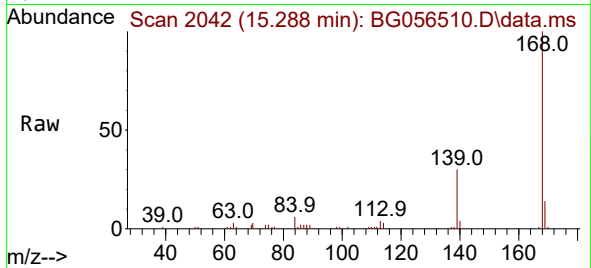




#55
Dibenzofuran
Concen: 4.865 ng
RT: 15.288 min Scan# 2042
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

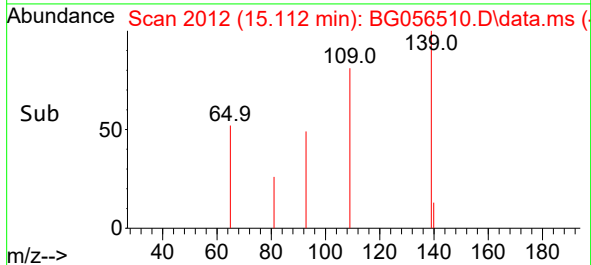
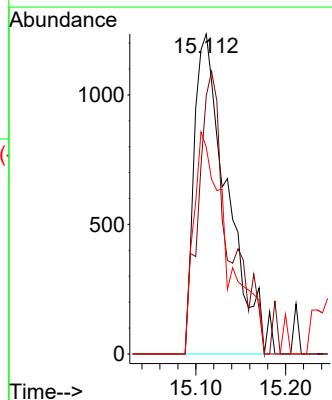
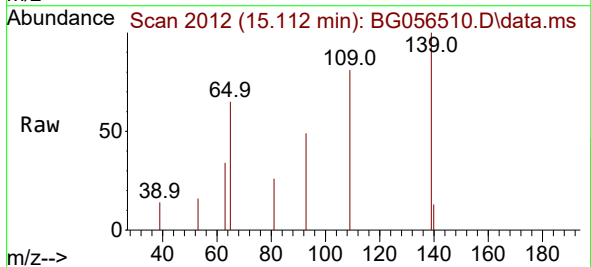
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

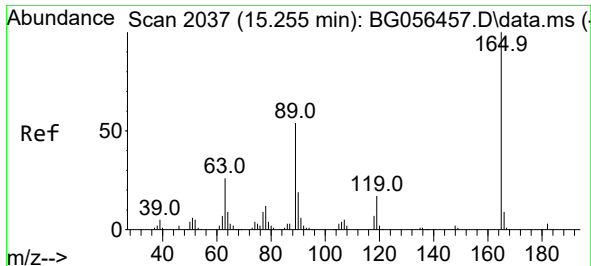
Tgt Ion:168 Resp: 42756
Ion Ratio Lower Upper
168 100
139 30.0 26.2 39.2
169 13.9 11.0 16.6



#56
4-Nitrophenol
Concen: 3.025 ng
RT: 15.112 min Scan# 2012
Delta R.T. 0.015 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:139 Resp: 3167
Ion Ratio Lower Upper
139 100
109 80.6 67.5 107.5
65 64.6 50.7 90.7





#57

2,4-Dinitrotoluene

Concen: 4.527 ng

RT: 15.247 min Scan# 2035

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:165 Resp: 10080

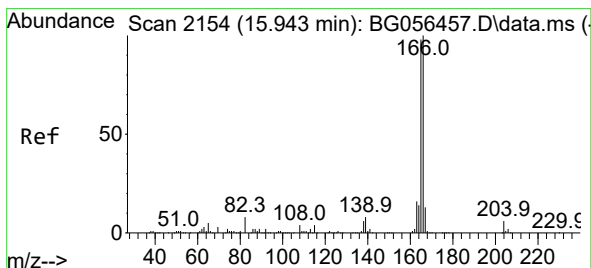
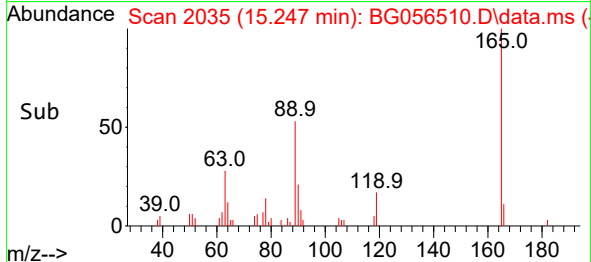
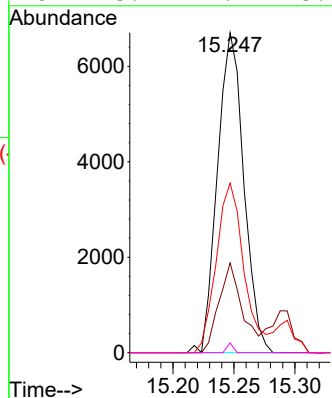
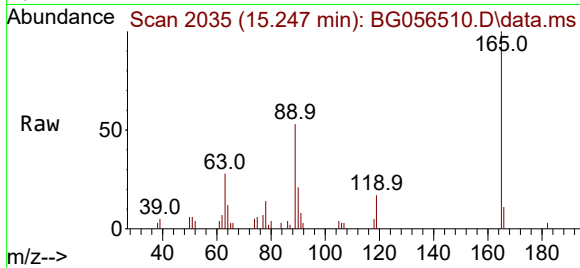
Ion Ratio Lower Upper

165 100

63 28.1 20.6 31.0

89 53.0 43.1 64.7

182 3.1 2.4 3.6



#58

Fluorene

Concen: 4.885 ng

RT: 15.934 min Scan# 2152

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

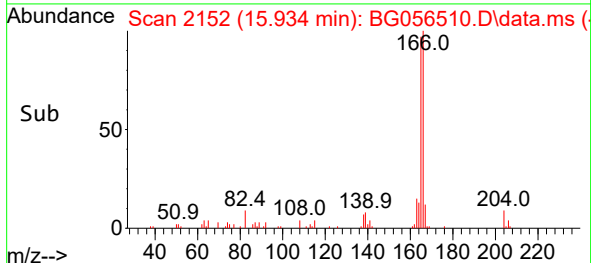
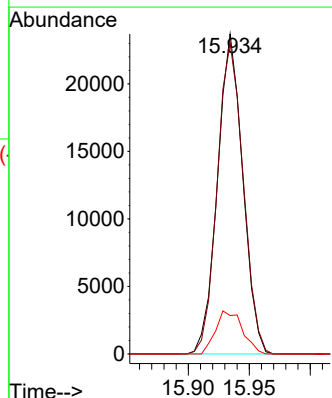
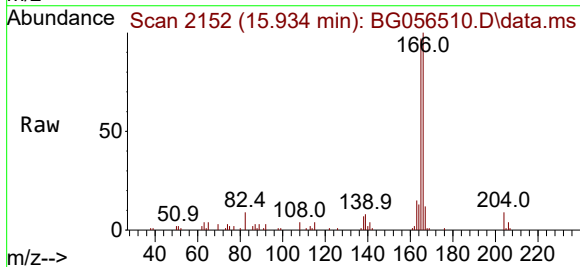
Tgt Ion:166 Resp: 34163

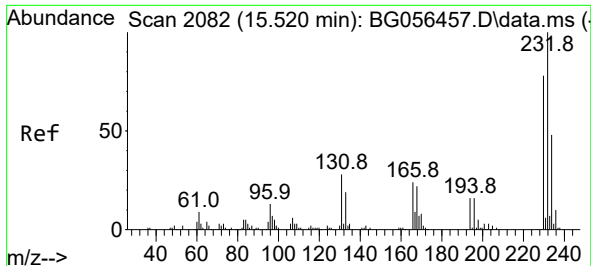
Ion Ratio Lower Upper

166 100

165 97.2 78.8 118.2

167 12.0 10.6 15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.919 ng

RT: 15.517 min Scan# 2081

Delta R.T. 0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:232 Resp: 8605

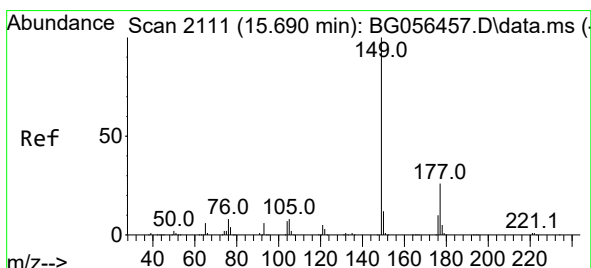
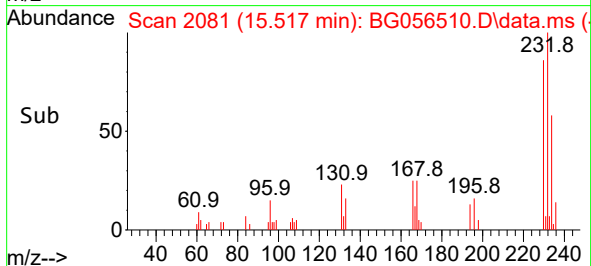
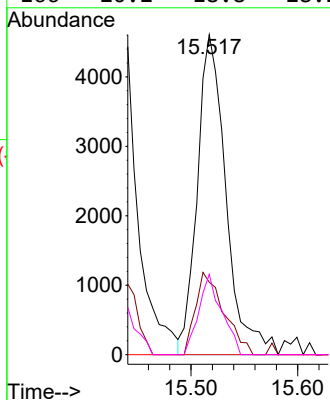
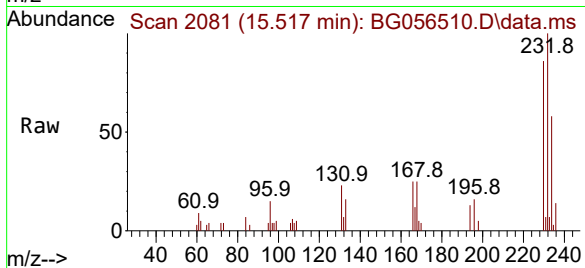
Ion Ratio Lower Upper

232 100

131 25.5 22.8 34.2

130 0.0 1.4 2.0#

166 20.2 18.8 28.2



#60

Diethylphthalate

Concen: 4.560 ng

RT: 15.682 min Scan# 2109

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

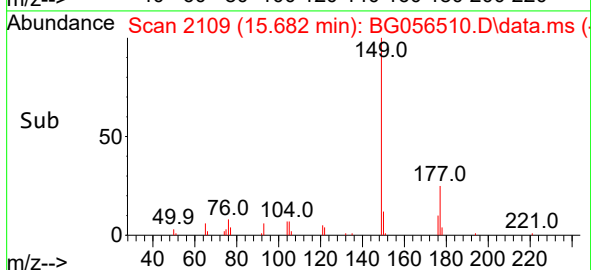
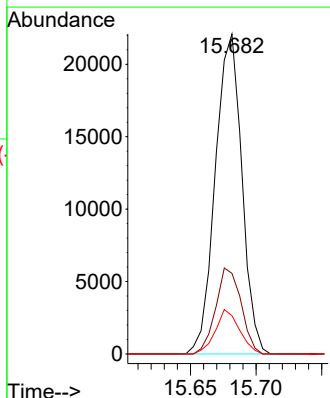
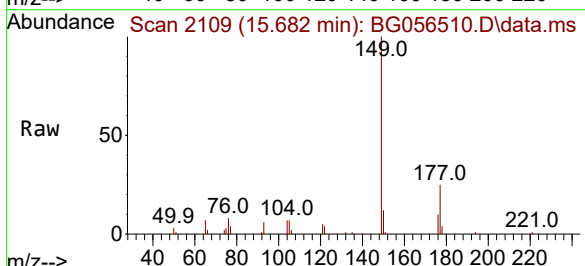
Tgt Ion:149 Resp: 31037

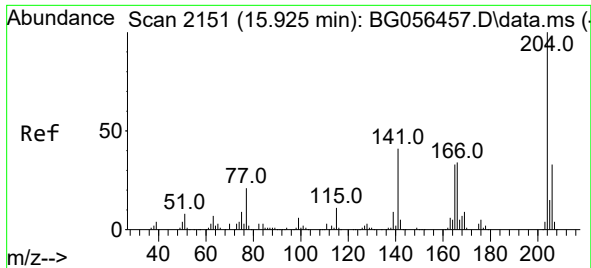
Ion Ratio Lower Upper

149 100

177 25.2 21.0 31.4

150 12.0 9.9 14.9

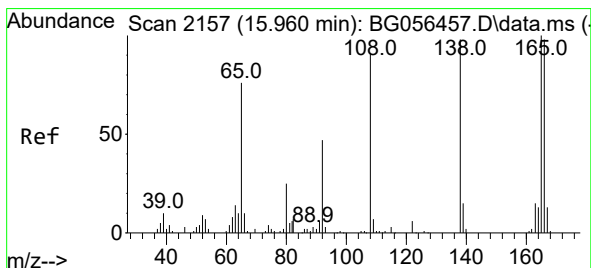
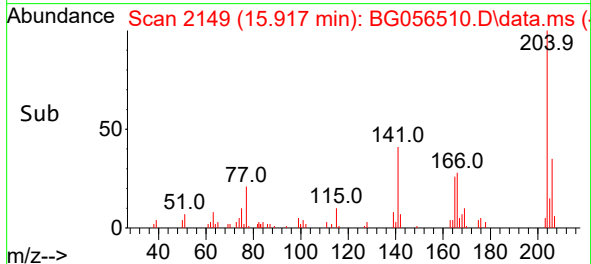
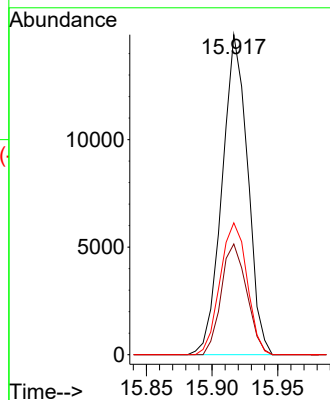
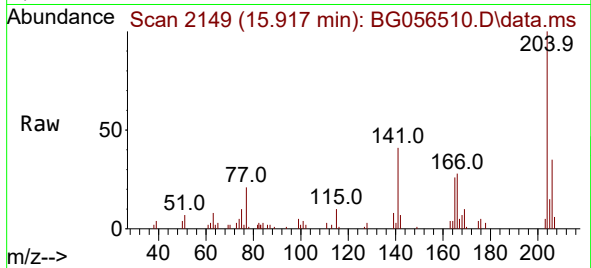




#61
4-Chlorophenyl-phenylether
Concen: 4.720 ng
RT: 15.917 min Scan# 2151
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

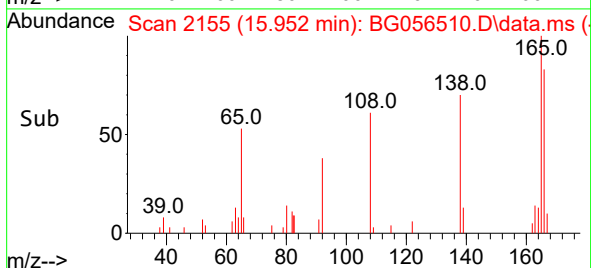
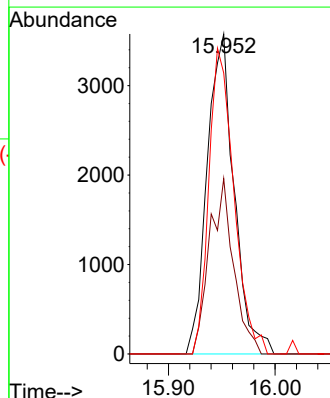
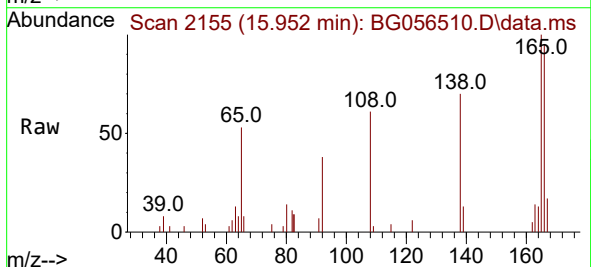
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

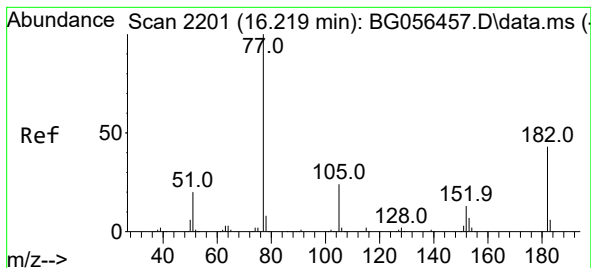
Tgt Ion:204 Resp: 20143
Ion Ratio Lower Upper
204 100
206 34.6 26.2 39.4
141 41.2 32.7 49.1



#62
4-Nitroaniline
Concen: 4.109 ng
RT: 15.952 min Scan# 2155
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:138 Resp: 6301
Ion Ratio Lower Upper
138 100
92 54.8 27.8 67.8
108 87.8 72.6 112.6





#63

Azobenzene

Concen: 4.860 ng

RT: 16.210 min Scan# 2199

Delta R.T. -0.003 min

Lab File: BG056510.D

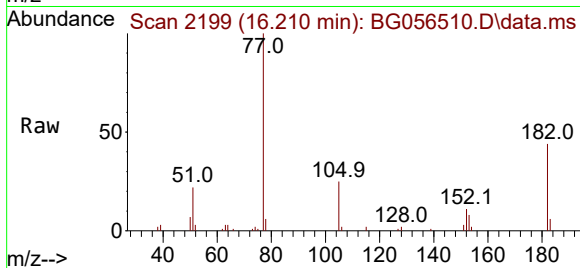
Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion: 77 Resp: 22760

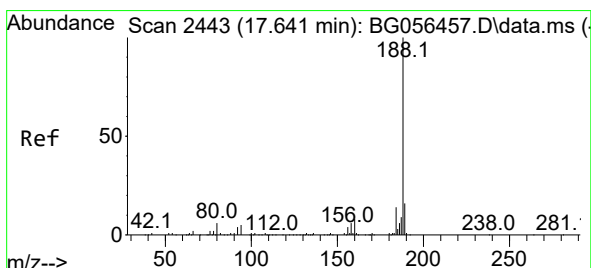
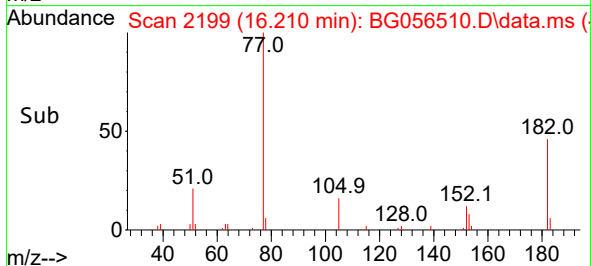
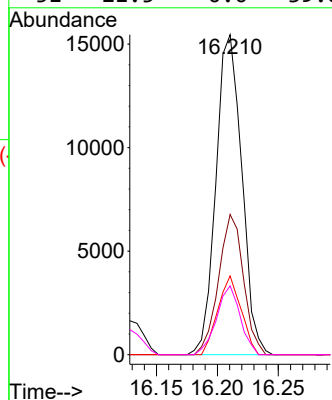
Ion Ratio Lower Upper

77 100

182 43.8 23.1 63.1

105 24.6 4.2 44.2

51 21.5 0.0 39.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.632 min Scan# 2441

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

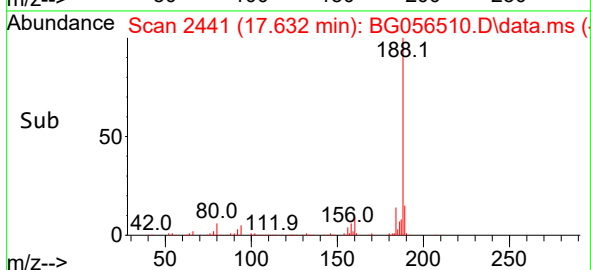
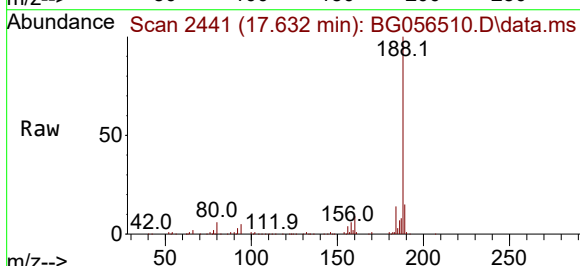
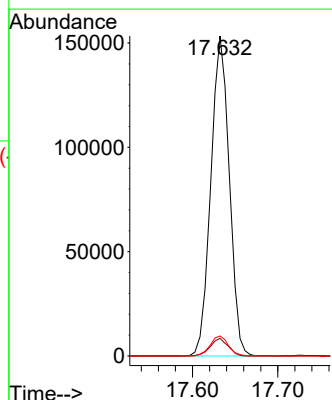
Tgt Ion:188 Resp: 230363

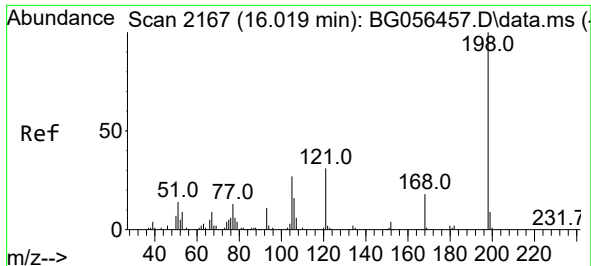
Ion Ratio Lower Upper

188 100

94 5.5 4.1 6.1

80 6.3 5.0 7.4

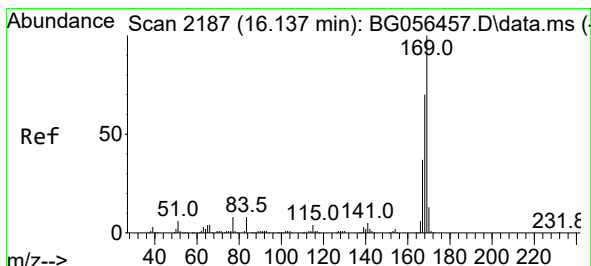
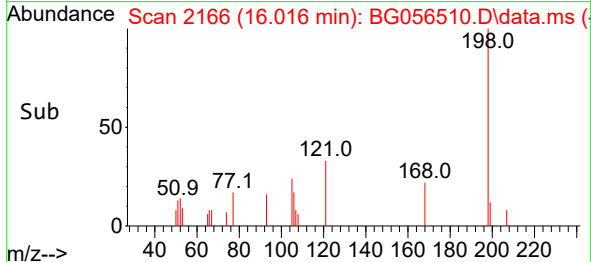
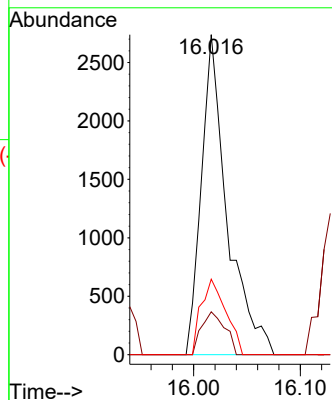
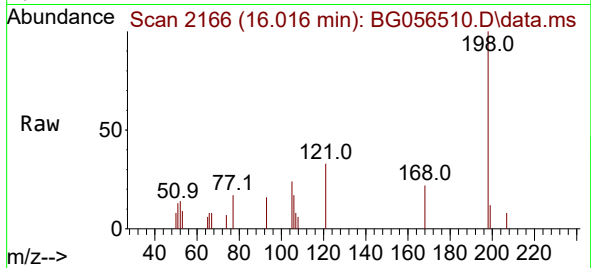




#65
4,6-Dinitro-2-methylphenol
Concen: 2.846 ng
RT: 16.016 min Scan# 2166
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

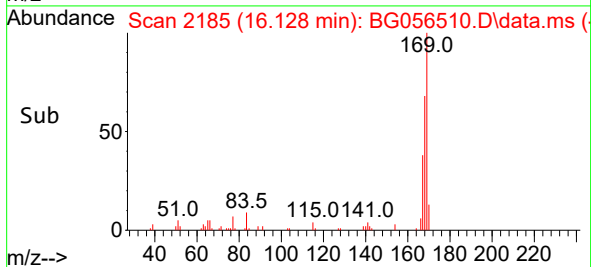
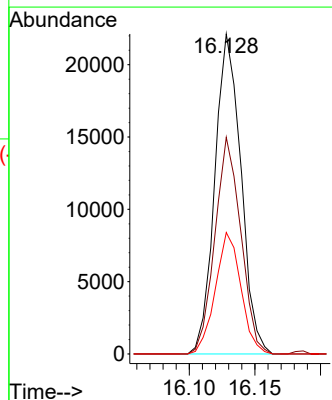
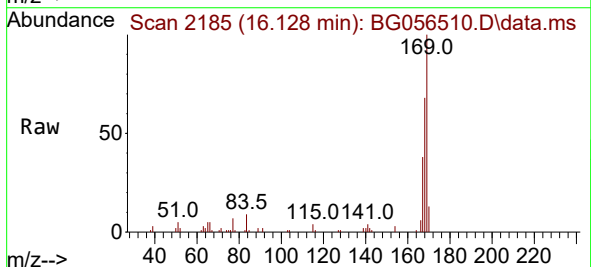
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

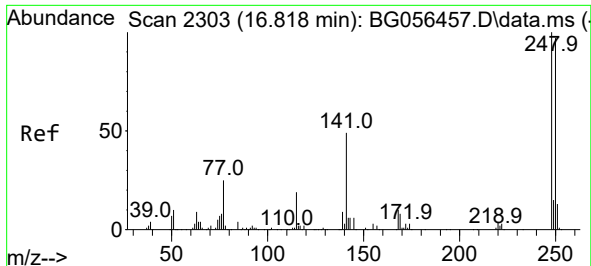
Tgt Ion:198 Resp: 4609
Ion Ratio Lower Upper
198 100
51 13.4 0.0 35.0
105 23.6 7.4 47.4



#66
n-Nitrosodiphenylamine
Concen: 4.688 ng
RT: 16.128 min Scan# 2185
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:169 Resp: 30578
Ion Ratio Lower Upper
169 100
168 67.7 55.8 83.6
167 38.0 29.8 44.8

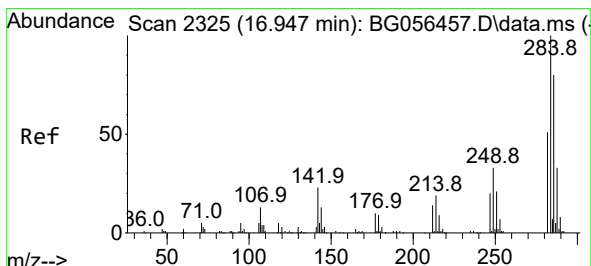
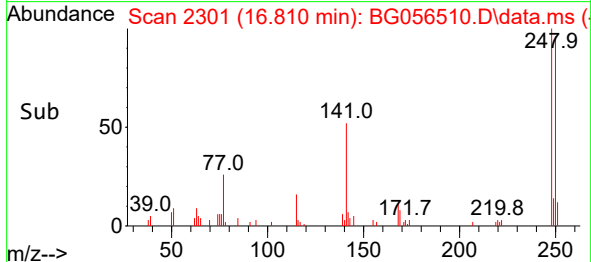
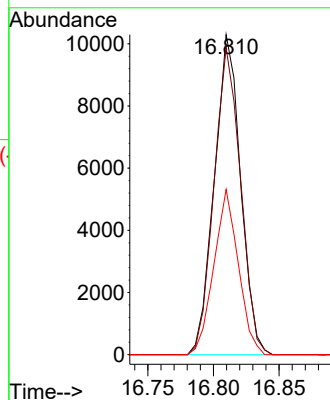
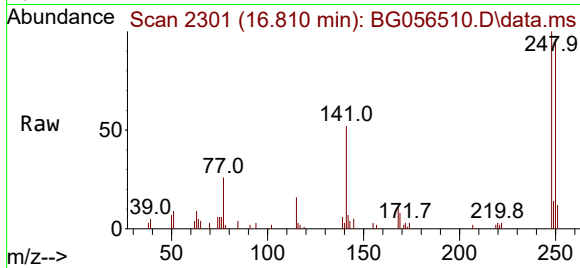




#67
4-Bromophenyl-phenylether
Concen: 4.847 ng
RT: 16.810 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

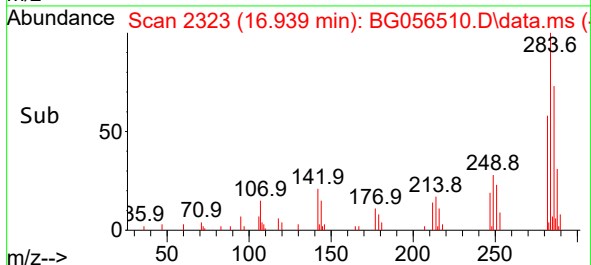
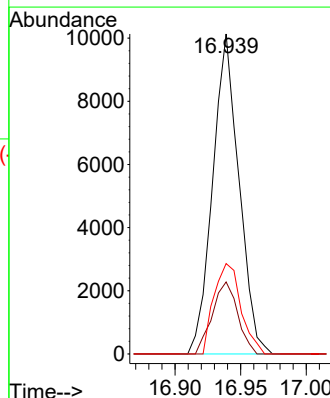
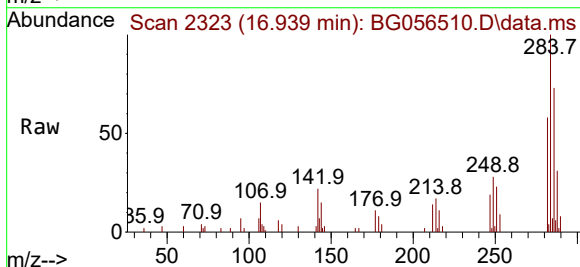
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

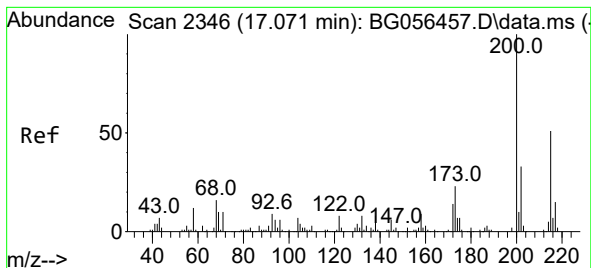
Tgt Ion:248 Resp: 14293
Ion Ratio Lower Upper
248 100
250 95.9 77.6 116.4
141 51.7 39.0 58.4



#68
Hexachlorobenzene
Concen: 4.879 ng
RT: 16.939 min Scan# 2323
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:284 Resp: 14093
Ion Ratio Lower Upper
284 100
142 22.5 18.0 27.0
249 30.9 26.7 40.1





#69

Atrazine

Concen: 5.070 ng

RT: 17.062 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

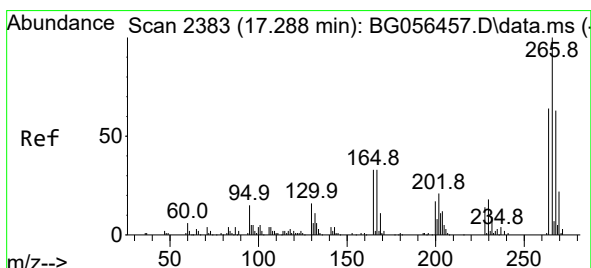
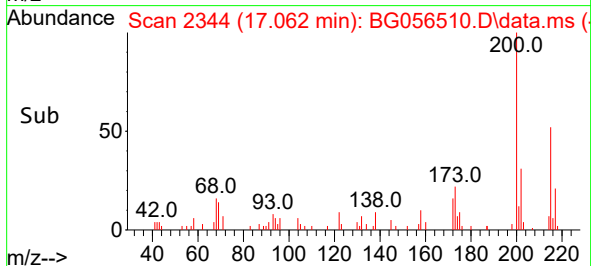
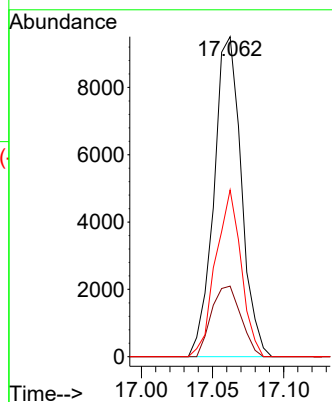
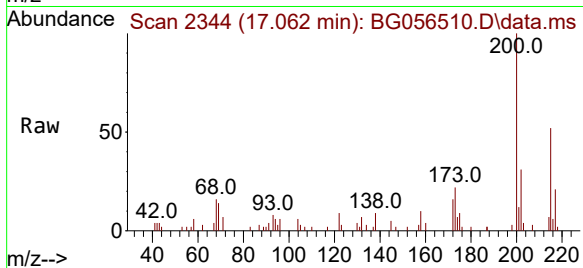
Tgt Ion:200 Resp: 12758

Ion Ratio Lower Upper

200 100

173 22.1 3.2 43.2

215 52.1 30.7 70.7



#70

Pentachlorophenol

Concen: 1.665 ng

RT: 17.297 min Scan# 2384

Delta R.T. 0.015 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

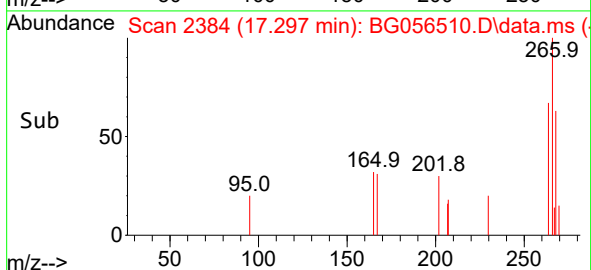
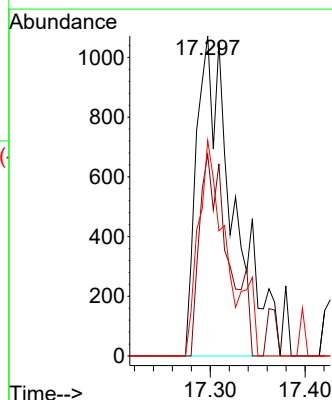
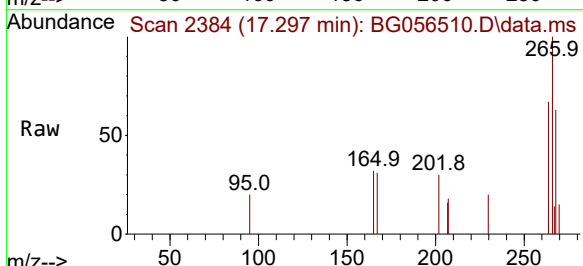
Tgt Ion:266 Resp: 2910

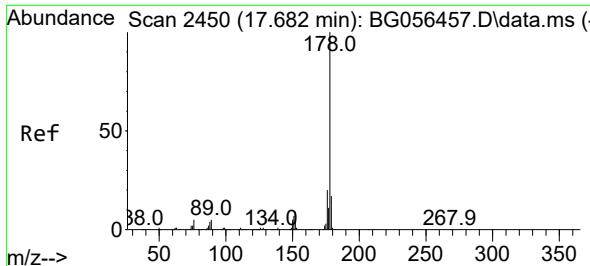
Ion Ratio Lower Upper

266 100

268 63.0 50.2 75.4

264 67.4 51.4 77.0

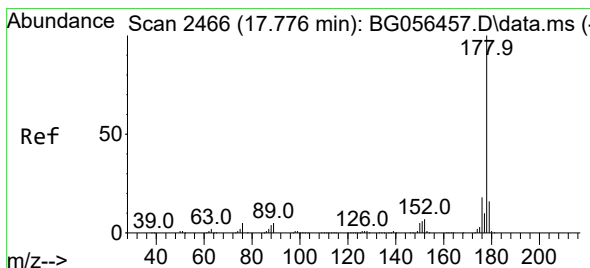
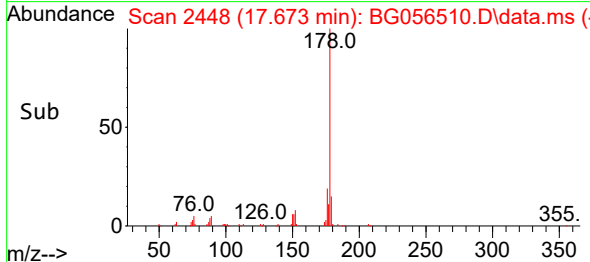
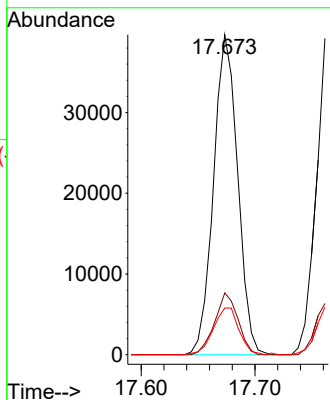
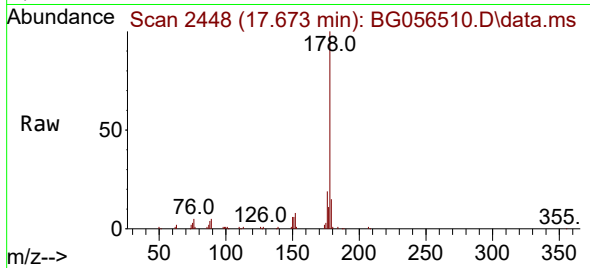




#71
Phenanthrene
Concen: 4.847 ng
RT: 17.673 min Scan# 2450
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

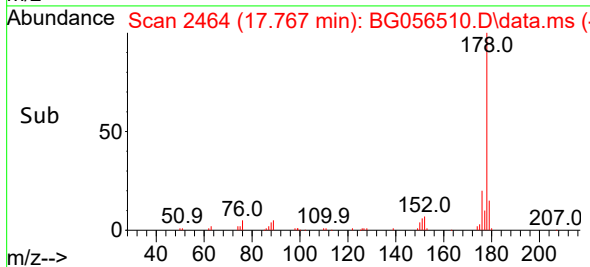
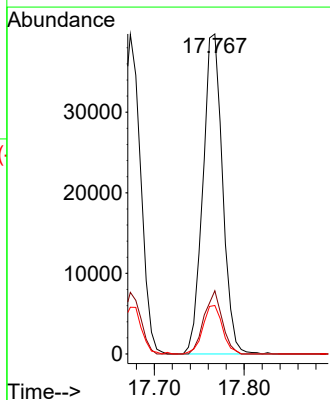
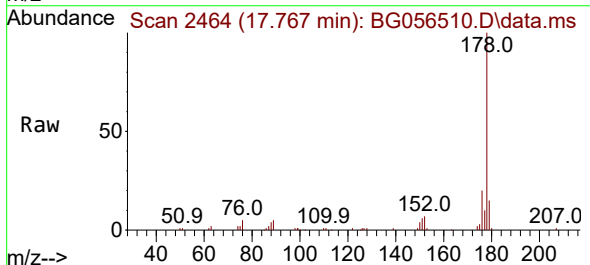
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

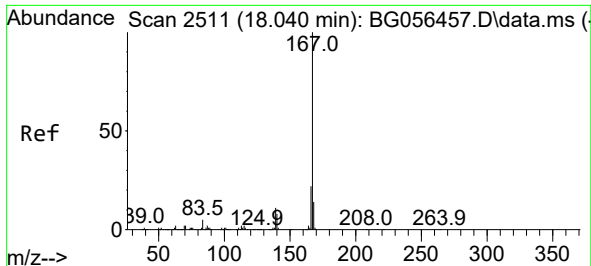
Tgt Ion:178 Resp: 58442
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 14.6 13.3 19.9



#72
Anthracene
Concen: 4.871 ng
RT: 17.767 min Scan# 2464
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:178 Resp: 60292
Ion Ratio Lower Upper
178 100
176 19.7 14.5 21.7
179 15.1 12.5 18.7

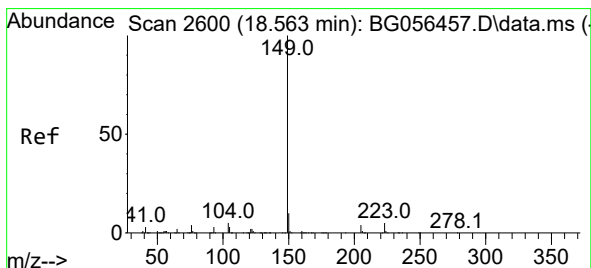
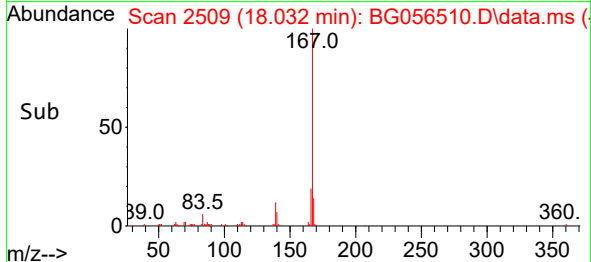
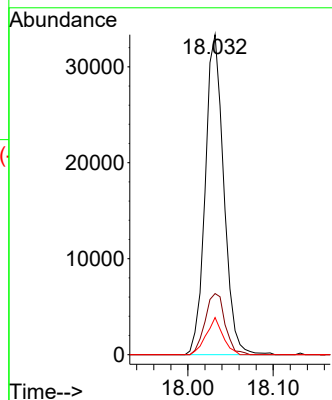
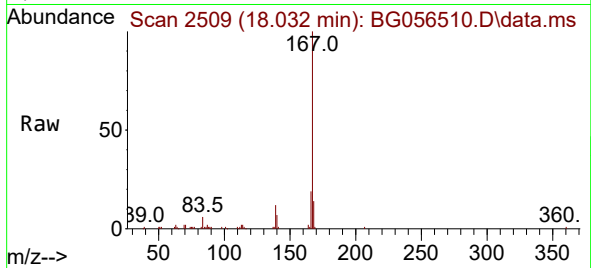




#73
 Carbazole
 Concen: 4.776 ng
 RT: 18.032 min Scan# 2509
 Delta R.T. -0.003 min
 Lab File: BG056510.D
 Acq: 2 Feb 2023 11:56

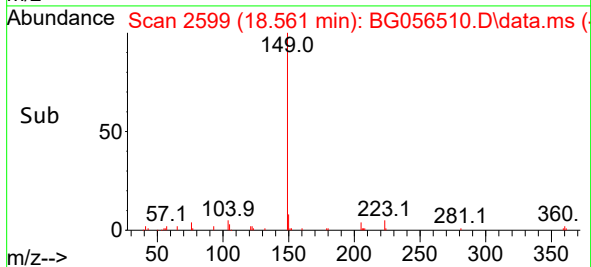
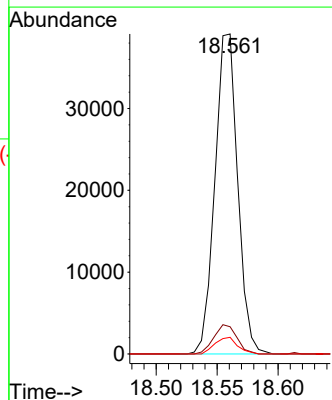
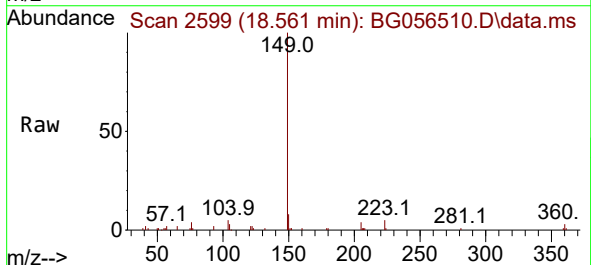
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

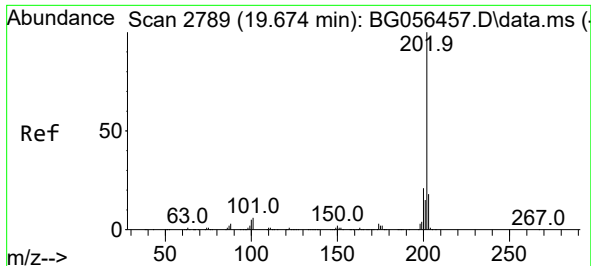
Tgt Ion:167 Resp: 50349
 Ion Ratio Lower Upper
 167 100
 166 19.1 17.8 26.6
 139 11.6 8.9 13.3



#74
 Di-n-butylphthalate
 Concen: 4.593 ng
 RT: 18.561 min Scan# 2599
 Delta R.T. -0.003 min
 Lab File: BG056510.D
 Acq: 2 Feb 2023 11:56

Tgt Ion:149 Resp: 50836
 Ion Ratio Lower Upper
 149 100
 150 8.5 7.8 11.6
 104 5.2 4.0 6.0

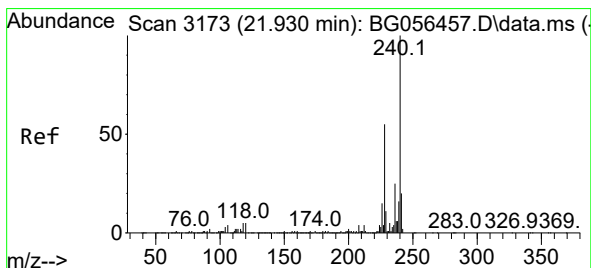
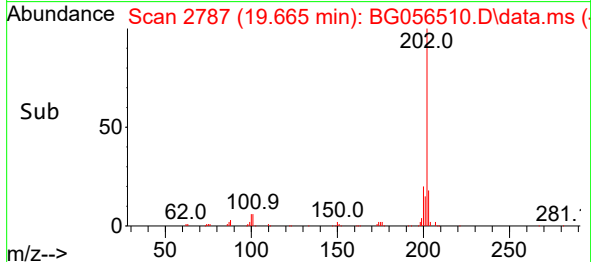
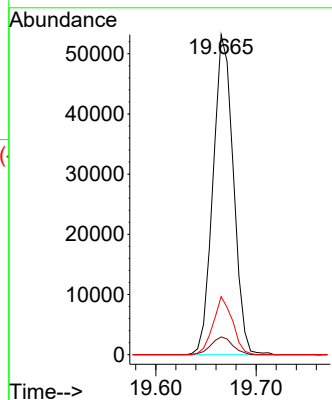
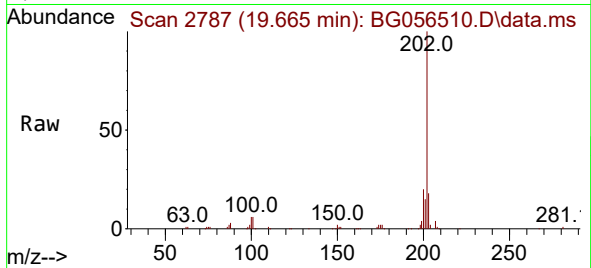




#75
Fluoranthene
Concen: 4.907 ng
RT: 19.665 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

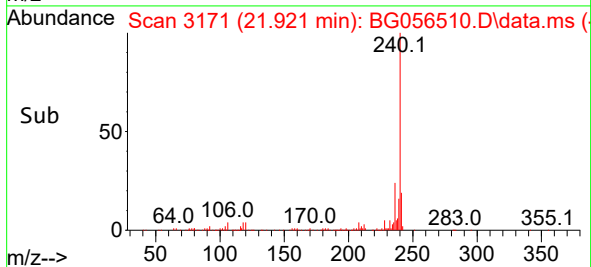
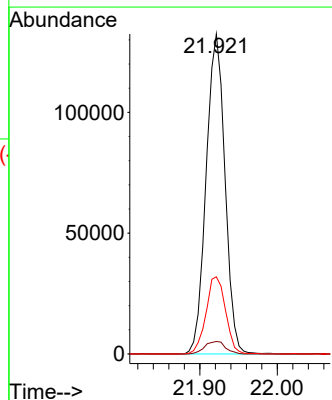
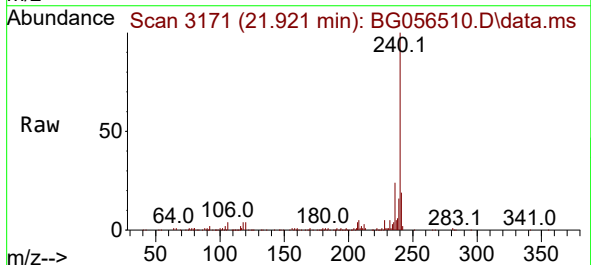
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

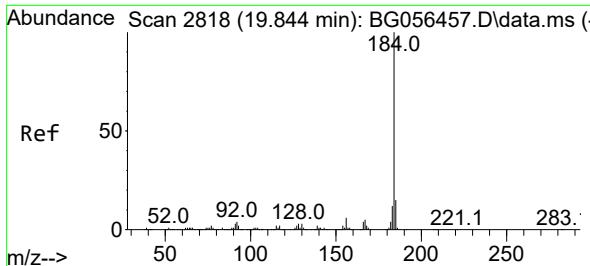
Tgt Ion:202 Resp: 74672
Ion Ratio Lower Upper
202 100
101 5.5 0.0 25.6
203 18.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.921 min Scan# 3171
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:240 Resp: 223078
Ion Ratio Lower Upper
240 100
120 3.9 3.8 5.8
236 24.1 20.2 30.2

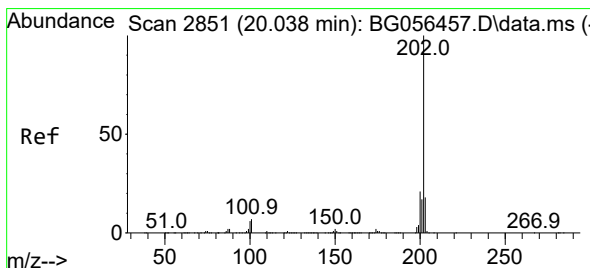
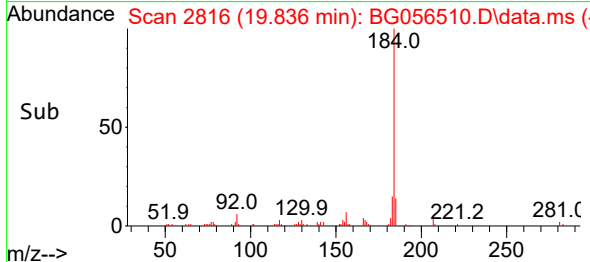
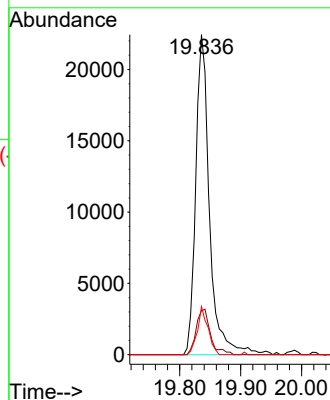
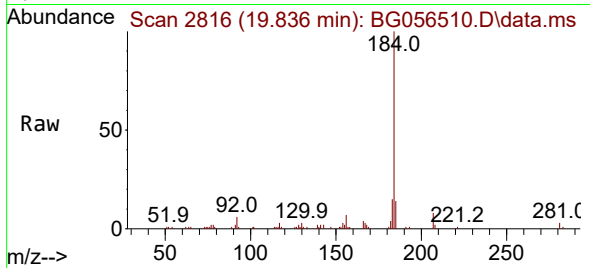




#77
Benzidine
Concen: 5.851 ng
RT: 19.836 min Scan# 2816
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

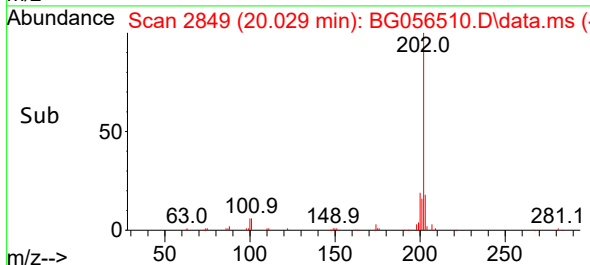
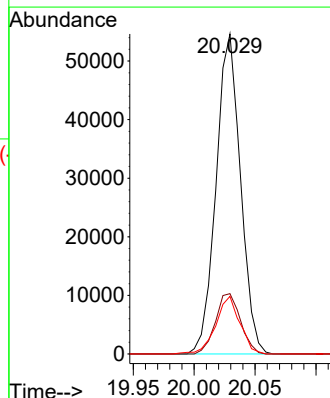
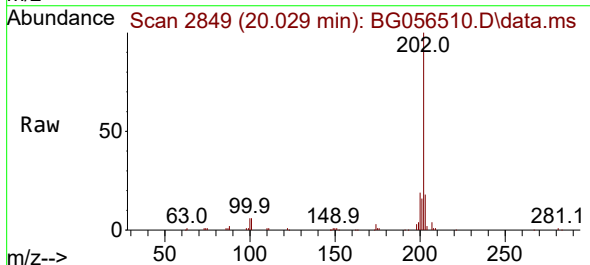
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

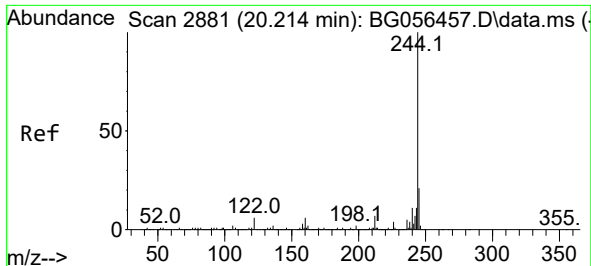
Tgt Ion:184 Resp: 35323
Ion Ratio Lower Upper
184 100
185 13.8 12.3 18.5
183 15.0 9.8 14.8#



#78
Pyrene
Concen: 4.796 ng
RT: 20.029 min Scan# 2849
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:202 Resp: 76097
Ion Ratio Lower Upper
202 100
200 18.9 16.7 25.1
203 18.0 14.4 21.6

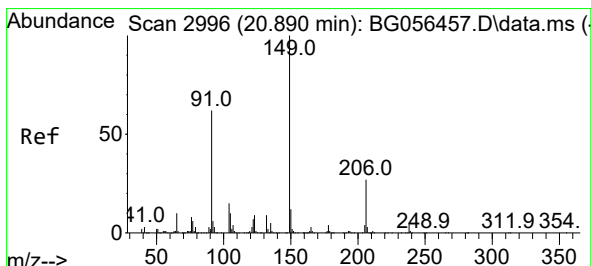
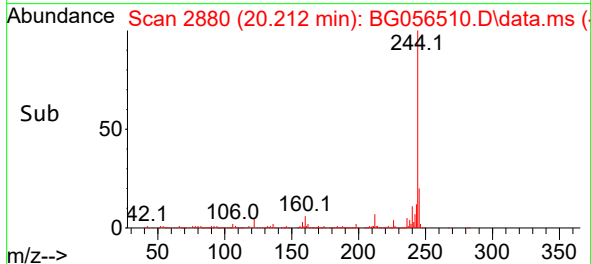
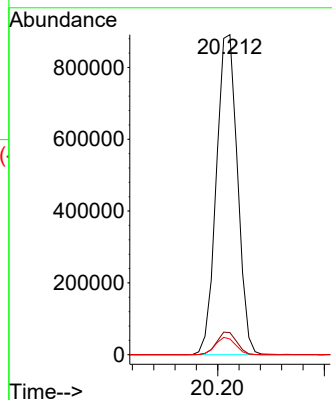
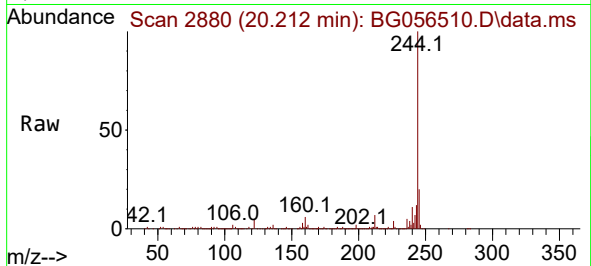




#79
 Terphenyl-d14
 Concen: 96.450 ng
 RT: 20.212 min Scan# 2118
 Delta R.T. 0.003 min
 Lab File: BG056510.D
 Acq: 2 Feb 2023 11:56

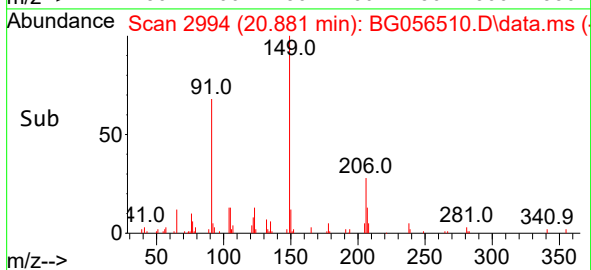
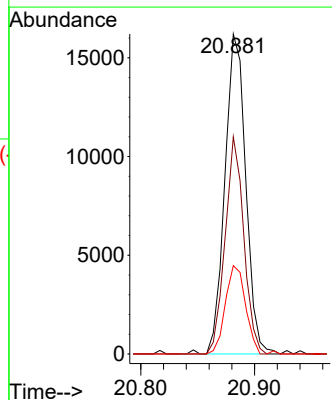
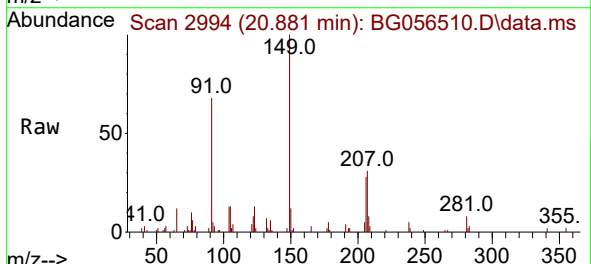
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

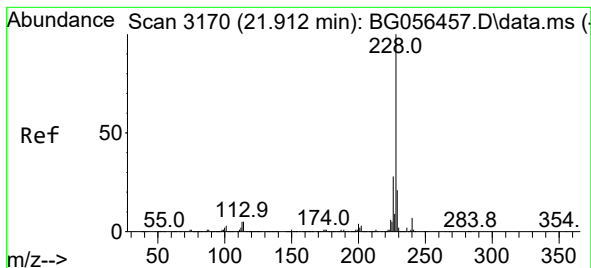
Tgt Ion:244 Resp: 1225018
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 4.9 4.4 6.6



#80
 Butylbenzylphthalate
 Concen: 4.268 ng
 RT: 20.881 min Scan# 2994
 Delta R.T. -0.003 min
 Lab File: BG056510.D
 Acq: 2 Feb 2023 11:56

Tgt Ion:149 Resp: 20682
 Ion Ratio Lower Upper
 149 100
 91 67.8 49.4 74.0
 206 27.6 22.0 33.0





#81

Benzo(a)anthracene

Concen: 4.801 ng

RT: 21.898 min Scan# 3167

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

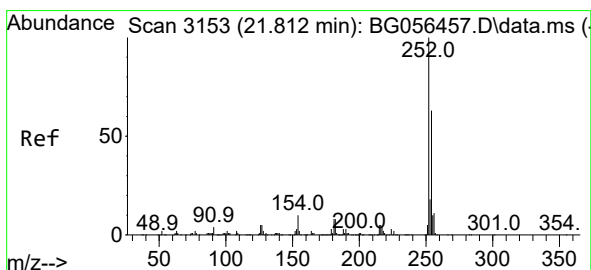
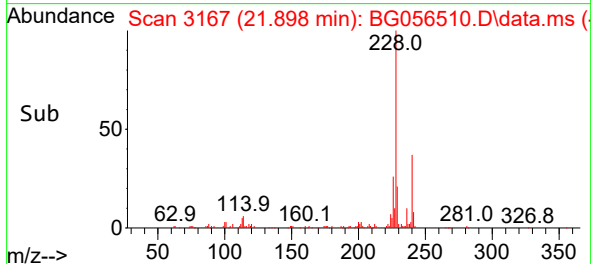
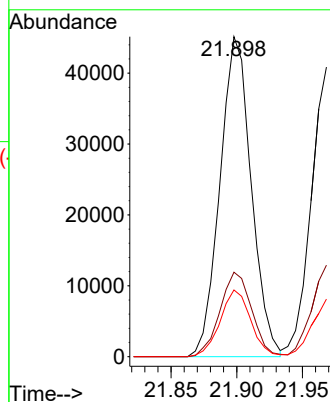
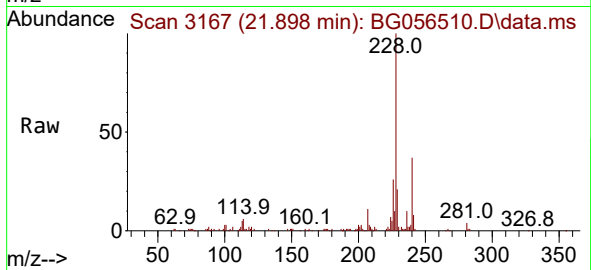
Tgt Ion:228 Resp: 74877

Ion Ratio Lower Upper

228 100

226 26.4 22.4 33.6

229 20.9 16.5 24.7



#82

3,3'-Dichlorobenzidine

Concen: 5.140 ng

RT: 21.804 min Scan# 3151

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

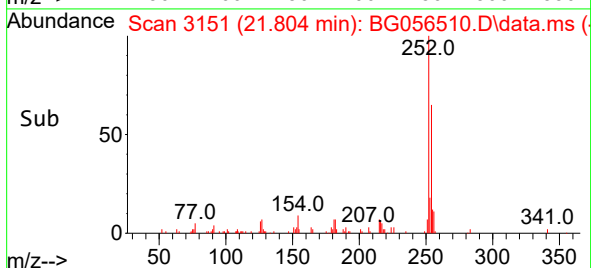
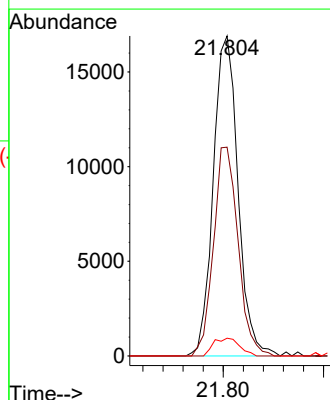
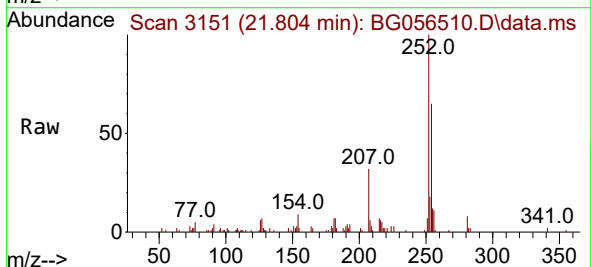
Tgt Ion:252 Resp: 28865

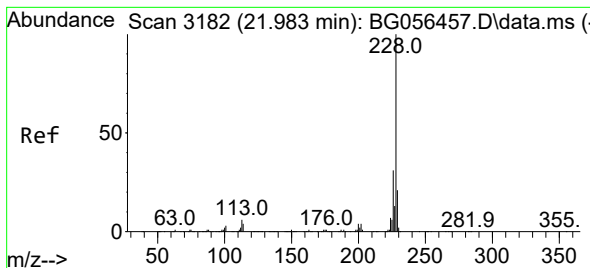
Ion Ratio Lower Upper

252 100

254 65.3 50.0 75.0

126 5.5 4.3 6.5





#83

Chrysene

Concen: 4.868 ng

RT: 21.968 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

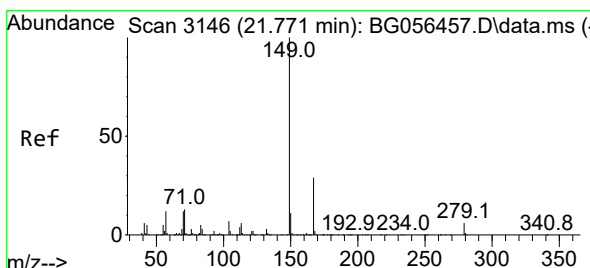
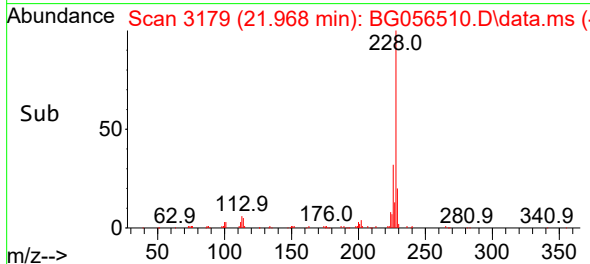
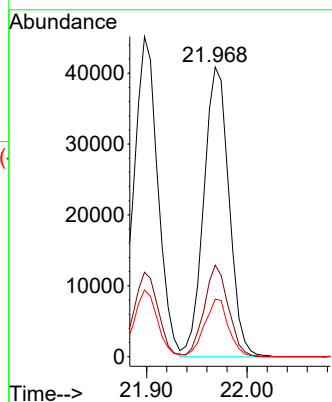
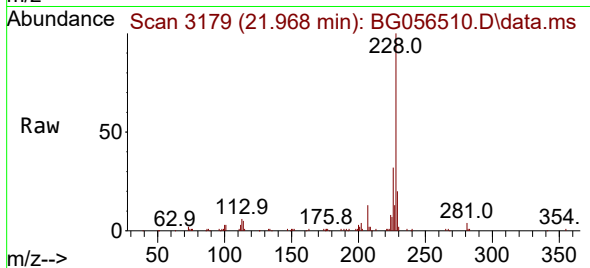
Tgt Ion:228 Resp: 71328

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.4

229 19.9 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.395 ng

RT: 21.757 min Scan# 3143

Delta R.T. -0.009 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

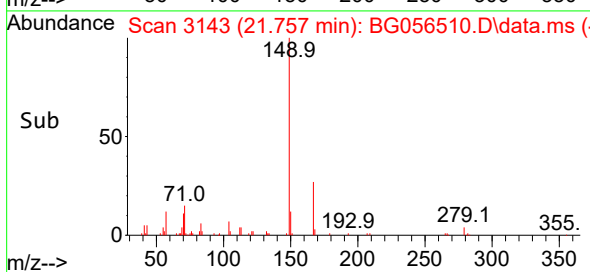
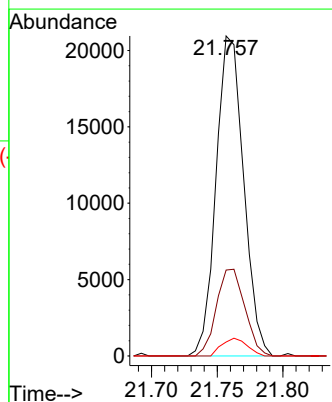
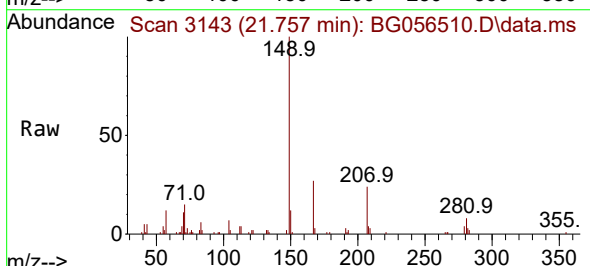
Tgt Ion:149 Resp: 30531

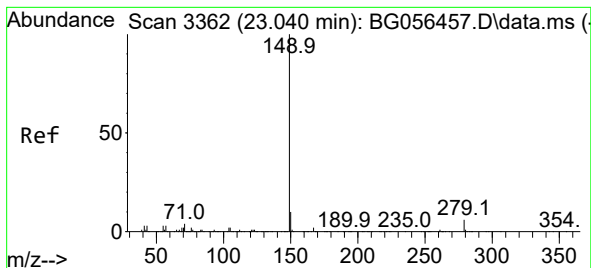
Ion Ratio Lower Upper

149 100

167 26.8 23.4 35.2

279 4.4 4.4 6.6#





#85

Di-n-octyl phthalate

Concen: 4.517 ng

RT: 23.032 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

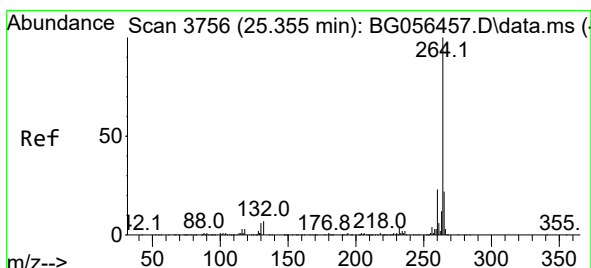
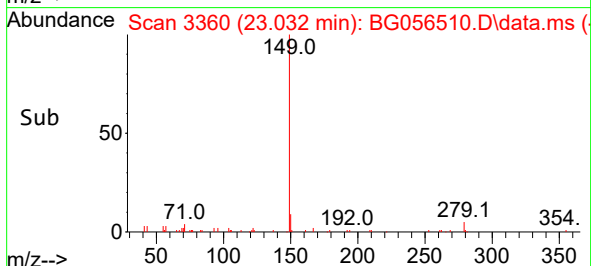
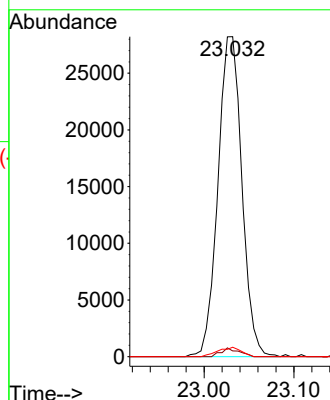
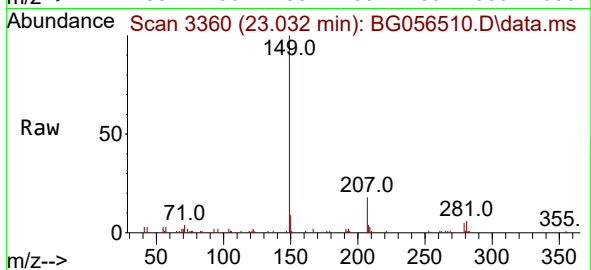
Tgt Ion:149 Resp: 52263

Ion Ratio Lower Upper

149 100

167 2.0 1.4 2.0

43 2.9 2.7 4.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.341 min Scan# 3753

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

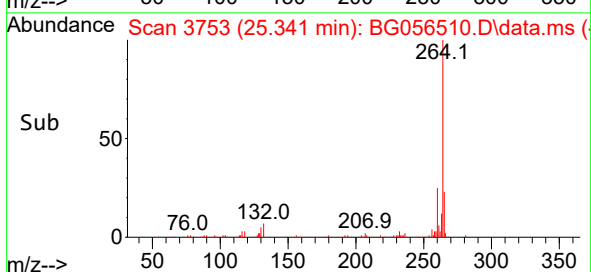
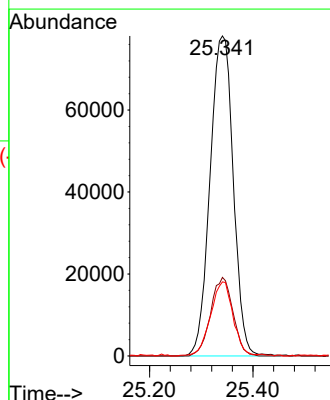
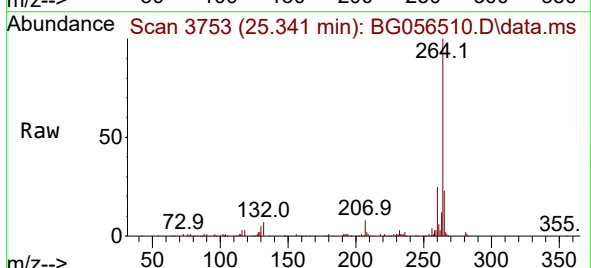
Tgt Ion:264 Resp: 243317

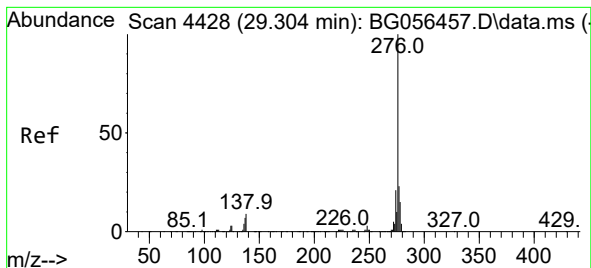
Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.4

265 23.2 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.548 ng

RT: 29.272 min Scan# 4428

Delta R.T. -0.009 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

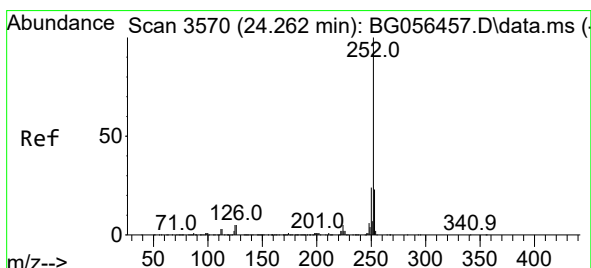
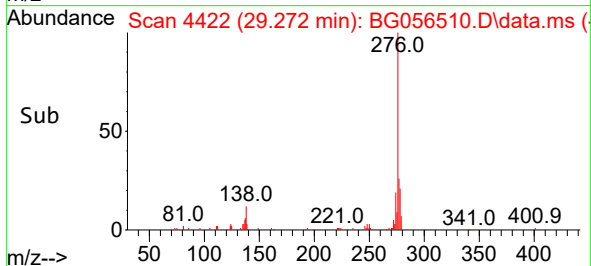
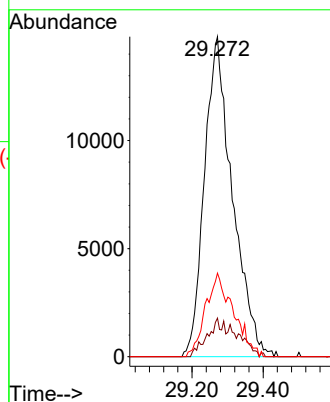
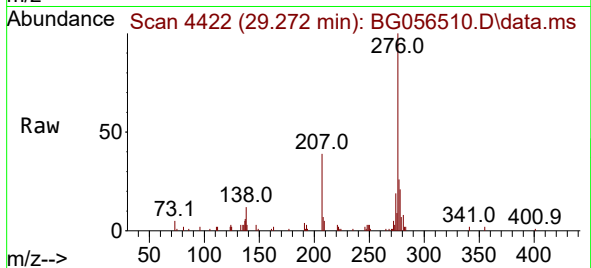
Tgt Ion:276 Resp: 80997

Ion Ratio Lower Upper

276 100

138 6.0 9.4 14.2#

277 26.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.025 ng

RT: 24.242 min Scan# 3566

Delta R.T. -0.009 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

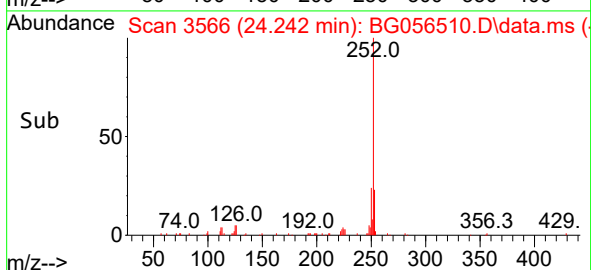
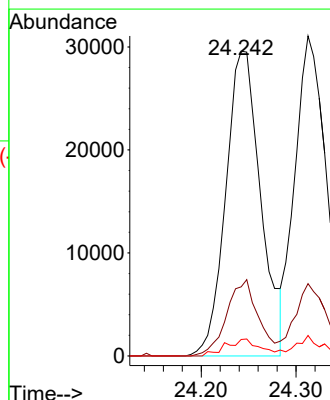
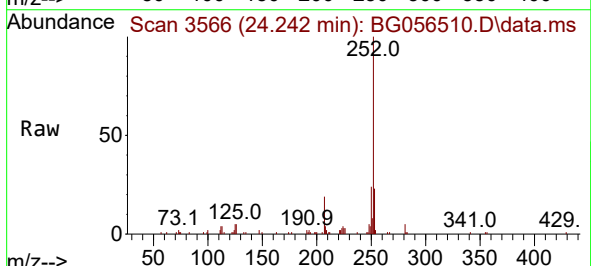
Tgt Ion:252 Resp: 75896

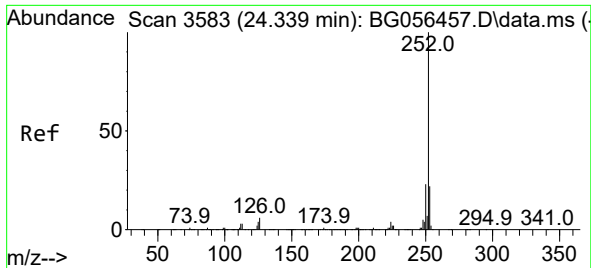
Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

125 5.4 3.9 5.9

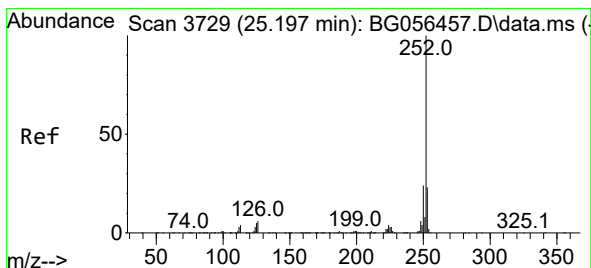
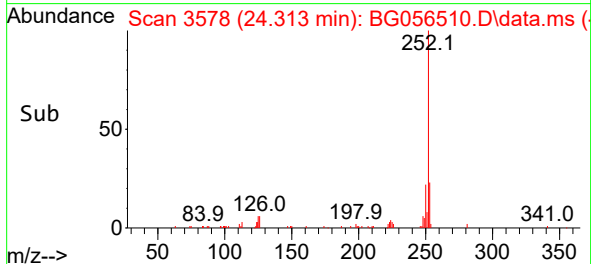
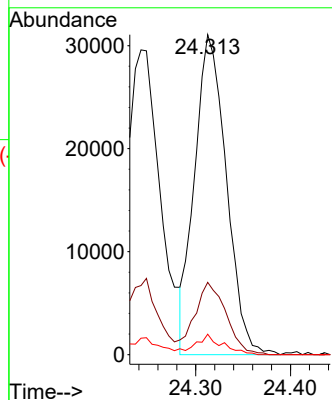
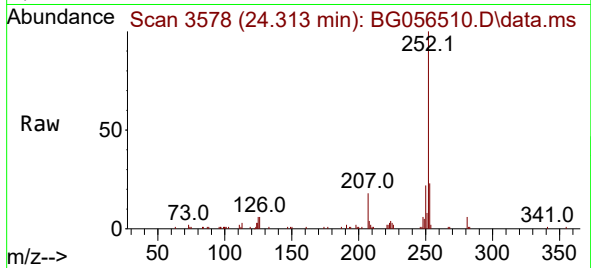




#89
Benzo(k)fluoranthene
Concen: 4.738 ng
RT: 24.313 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

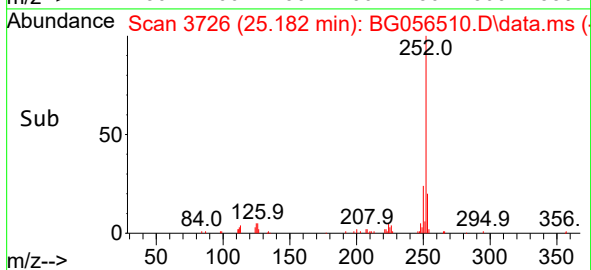
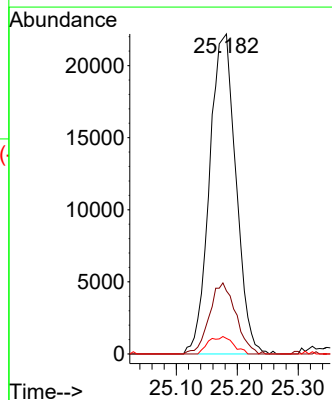
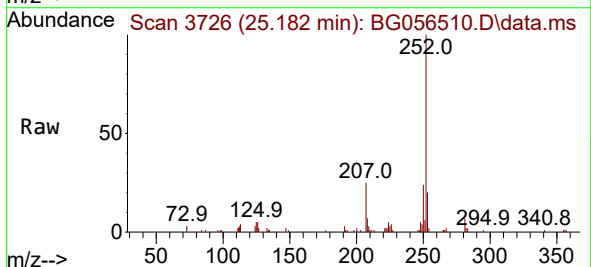
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

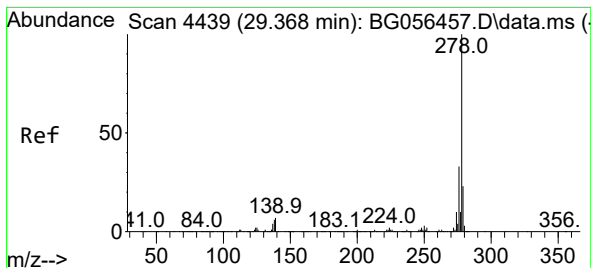
Tgt Ion:252 Resp: 72248
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 6.4 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 4.490 ng
RT: 25.182 min Scan# 3726
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:252 Resp: 66802
Ion Ratio Lower Upper
252 100
253 19.7 18.4 27.6
125 4.8 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 4.900 ng

RT: 29.342 min Scan# 4434

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

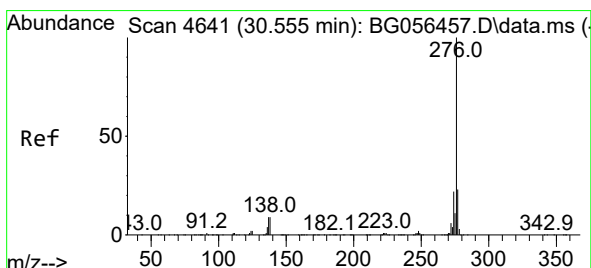
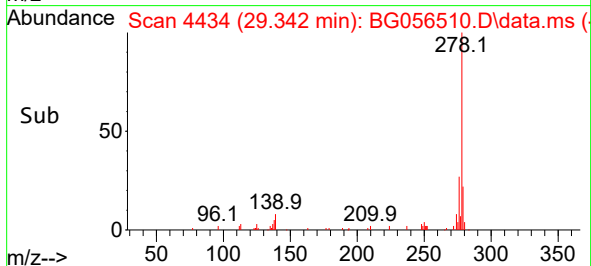
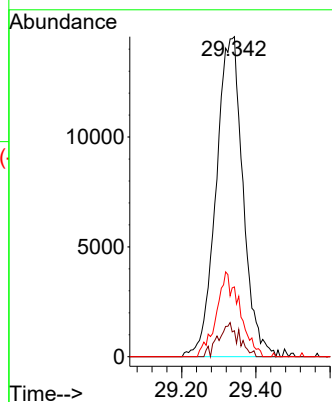
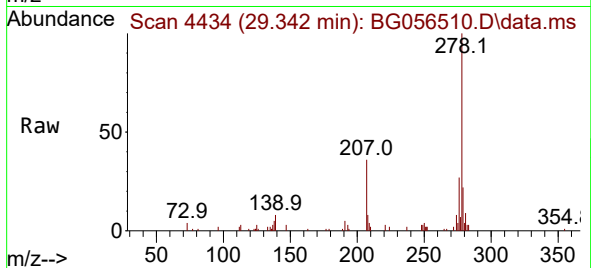
Tgt Ion:278 Resp: 73251

Ion Ratio Lower Upper

278 100

139 8.1 5.5 8.3

279 21.8 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 4.908 ng

RT: 30.505 min Scan# 4632

Delta R.T. -0.020 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Tgt Ion:276 Resp: 70807

Ion Ratio Lower Upper

276 100

277 21.2 18.5 27.7

138 9.9 7.4 11.0

