

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040323\
 Data File : BG056952.D
 Acq On : 3 Apr 2023 11:06
 Operator : CG/JU
 Sample : 01627-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023

Quant Time: Apr 04 04:53:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	15583	20.000	ng	0.00
21) Naphthalene-d8	11.258	136	65086	20.000	ng	0.00
39) Acenaphthene-d10	15.023	164	50450	20.000	ng	0.00
64) Phenanthrene-d10	17.766	188	129918	20.000	ng	0.00
76) Chrysene-d12	22.090	240	124485	20.000	ng	0.00
86) Perylene-d12	25.632	264	129770	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.918	112	107929	110.848	ng	0.00
7) Phenol-d6	7.539	99	157038	107.838	ng	0.00
23) Nitrobenzene-d5	9.589	82	122332	76.906	ng	0.00
42) 2,4,6-Tribromophenol	16.509	330	89540	111.098	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	294964	79.281	ng	0.00
79) Terphenyl-d14	20.339	244	574812	78.136	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.732	88	2000	4.686	ng	97
3) Pyridine	4.155	79	4378	3.185	ng	91
4) n-Nitrosodimethylamine	4.061	42	2440	3.860	ng	# 79
6) Aniline	7.721	93	6930	3.722	ng	# 84
8) 2-Chlorophenol	7.968	128	3969	4.093	ng	95
9) Benzaldehyde	7.539	77	4558	4.990	ng	94
10) Phenol	7.568	94	5612	3.889	ng	96
11) bis(2-Chloroethyl)ether	7.815	93	4415	4.295	ng	88
12) 1,3-Dichlorobenzene	8.309	146	4687	4.374	ng	# 82
13) 1,4-Dichlorobenzene	8.779	146	4248	3.928	ng	88
14) 1,2-Dichlorobenzene	8.779	146	4248	4.065	ng	85
15) Benzyl Alcohol	8.638	79	4833	3.994	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.931	45	5026	4.057	ng	96
17) 2-Methylphenol	8.843	107	3920	3.808	ng	# 78
18) Hexachloroethane	9.519	117	1828	4.624	ng	# 76
19) n-Nitroso-di-n-propyla...	9.207	70	3766	3.616	ng	# 86
20) 3+4-Methylphenols	9.166	107	5006	3.478	ng	84
22) Acetophenone	9.237	105	7461	3.852	ng	# 91
24) Nitrobenzene	9.630	77	6468	3.977	ng	# 93
25) Isophorone	10.141	82	10655	3.518	ng	97
26) 2-Nitrophenol	10.353	139	2032	3.237	ng	# 80
27) 2,4-Dimethylphenol	10.388	122	3714	3.351	ng	# 92
28) bis(2-Chloroethoxy)met...	10.629	93	6034	3.979	ng	98
29) 2,4-Dichlorophenol	10.887	162	4103	3.442	ng	94
30) 1,2,4-Trichlorobenzene	11.105	180	5144	4.062	ng	86
31) Naphthalene	11.305	128	13497	3.805	ng	# 93
32) Benzoic acid	10.447	122	1181	1.551	ng	# 84
33) 4-Chloroaniline	11.404	127	5475	3.417	ng	# 92
34) Hexachlorobutadiene	11.581	225	3751	3.943	ng	91
35) Caprolactam	12.139	113	1353	3.292	ng	# 71
36) 4-Chloro-3-methylphenol	12.485	107	4492	3.370	ng	96
37) 2-Methylnaphthalene	12.879	142	9926	3.525	ng	96
38) 1-Methylnaphthalene	13.096	142	9782	3.700	ng	# 88
40) 1,2,4,5-Tetrachloroben...	13.243	216	7322	4.185	ng	97
41) Hexachlorocyclopentadiene	13.220	237	3333	3.458	ng	82
43) 2,4,6-Trichlorophenol	13.460	196	3783	3.389	ng	# 93

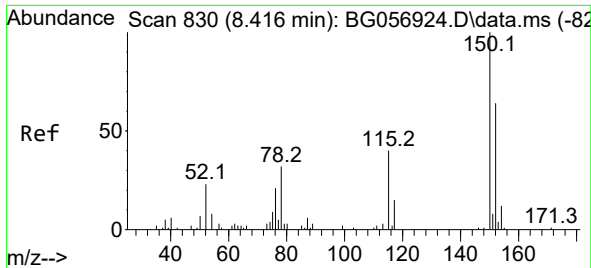
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.531	196	4162	3.147	ng	# 84
46) 1,1'-Biphenyl	13.866	154	14722	3.986	ng	96
47) 2-Chloronaphthalene	13.913	162	11003	4.028	ng	95
48) 2-Nitroaniline	14.107	65	3406	3.487	ng	# 75
49) Acenaphthylene	14.753	152	17354	3.867	ng	97
50) Dimethylphthalate	14.453	163	14671	3.691	ng	97
51) 2,6-Dinitrotoluene	14.582	165	2978	3.467	ng	93
52) Acenaphthene	15.088	154	11822	3.820	ng	95
53) 3-Nitroaniline	14.917	138	3018	3.550	ng	# 75
54) 2,4-Dinitrophenol	15.123	184	795	1.645	ng	# 90
55) Dibenzofuran	15.417	168	18159	3.909	ng	98
56) 4-Nitrophenol	15.205	139	1908	3.035	ng	89
57) 2,4-Dinitrotoluene	15.364	165	4088	3.375	ng	# 90
58) Fluorene	16.069	166	15580	4.053	ng	93
59) 2,3,4,6-Tetrachlorophenol	15.640	232	4101	3.406	ng	# 97
60) Diethylphthalate	15.804	149	15698	3.939	ng	# 92
61) 4-Chlorophenyl-phenyle...	16.051	204	8663	3.838	ng	94
62) 4-Nitroaniline	16.069	138	2967	3.369	ng	90
63) Azobenzene	16.339	77	15519	3.908	ng	91
65) 4,6-Dinitro-2-methylph...	16.127	198	2168	2.755	ng	91
66) n-Nitrosodiphenylamine	16.263	169	12965	3.718	ng	91
67) 4-Bromophenyl-phenylether	16.944	248	5495	3.418	ng	92
68) Hexachlorobenzene	17.067	284	6603	4.155	ng	# 84
69) Atrazine	17.185	200	5778	3.991	ng	95
70) Pentachlorophenol	17.408	266	2267	1.988	ng	# 89
71) Phenanthrene	17.807	178	25132	3.794	ng	94
72) Anthracene	17.901	178	25947	3.821	ng	96
73) Carbazole	18.160	167	23129	3.907	ng	94
74) Di-n-butylphthalate	18.689	149	24445	3.566	ng	97
75) Fluoranthene	19.793	202	31311	3.729	ng	97
77) Benzidine	19.958	184	16458	4.837	ng	97
78) Pyrene	20.157	202	31781	3.691	ng	97
80) Butylbenzylphthalate	21.015	149	10375	3.502	ng	# 87
81) Benzo(a)anthracene	22.066	228	32144	3.731	ng	97
82) 3,3'-Dichlorobenzidine	21.961	252	13421	4.614	ng	# 92
83) Chrysene	22.137	228	29707	3.683	ng	99
84) Bis(2-ethylhexyl)phtha...	21.920	149	15253	3.555	ng	# 94
85) Di-n-octyl phthalate	23.241	149	25216	3.488	ng	# 99
87) Indeno(1,2,3-cd)pyrene	29.709	276	36004	3.754	ng	# 75
88) Benzo(b)fluoranthene	24.493	252	31533	3.886	ng	97
89) Benzo(k)fluoranthene	24.493	252	31533	3.892	ng	99
90) Benzo(a)pyrene	25.462	252	27851	3.493	ng	95
91) Dibenzo(a,h)anthracene	29.779	278	31759	4.029	ng	98
92) Benzo(g,h,i)perylene	30.984	276	28980	3.754	ng	# 94

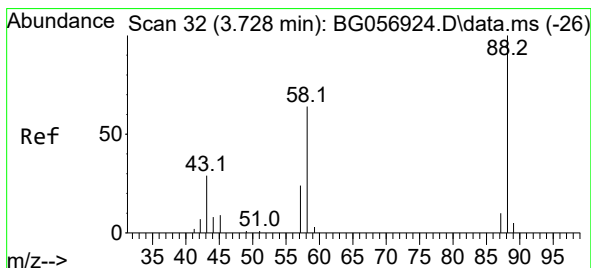
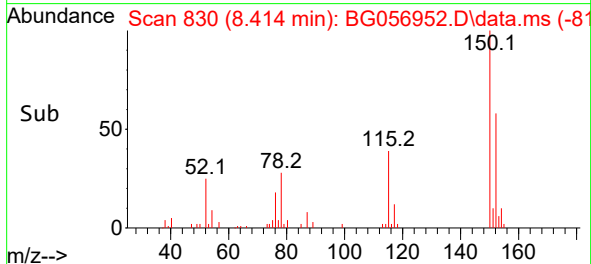
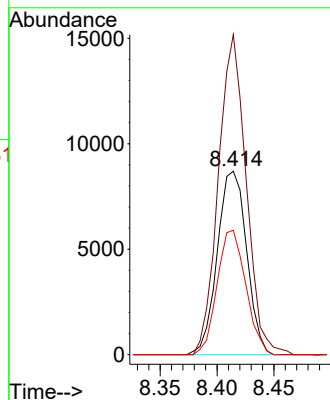
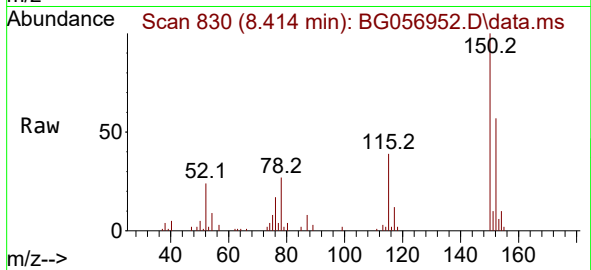
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.414 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

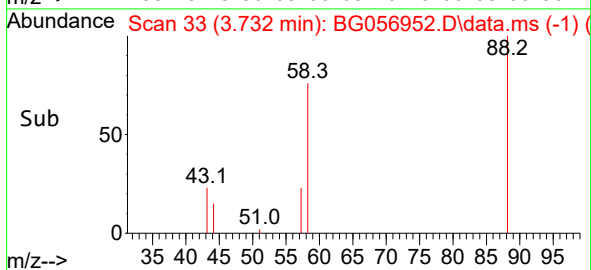
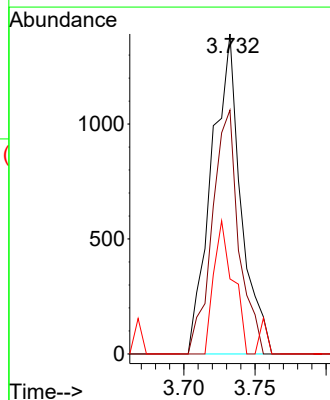
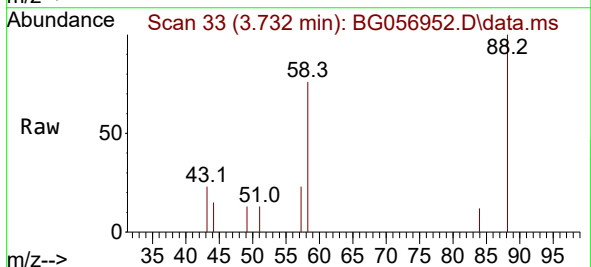
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion:152 Resp: 15583
Ion Ratio Lower Upper
152 100
150 174.4 124.1 186.1
115 67.8 49.1 73.7



#2
1,4-Dioxane
Concen: 4.686 ng
RT: 3.732 min Scan# 33
Delta R.T. 0.004 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion: 88 Resp: 2000
Ion Ratio Lower Upper
88 100
58 69.1 55.9 83.9
43 27.4 25.7 38.5

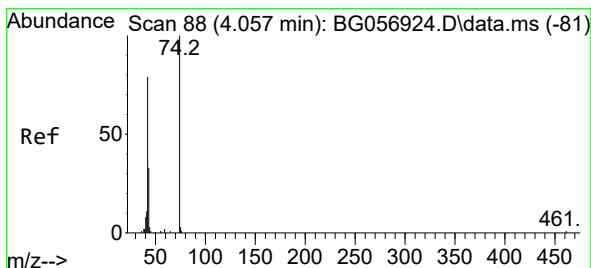
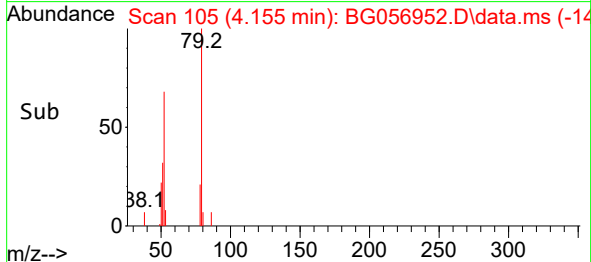
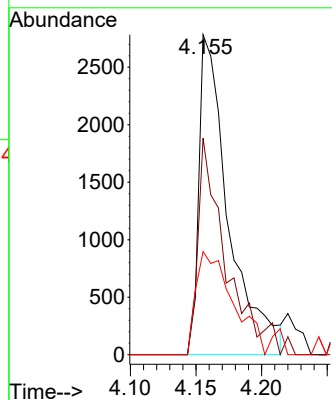
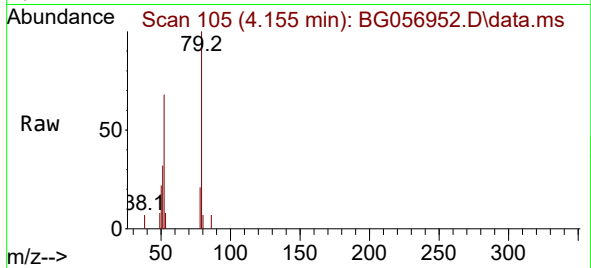




#3
 Pyridine
 Concen: 3.185 ng
 RT: 4.155 min Scan# 104
 Delta R.T. 0.004 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06

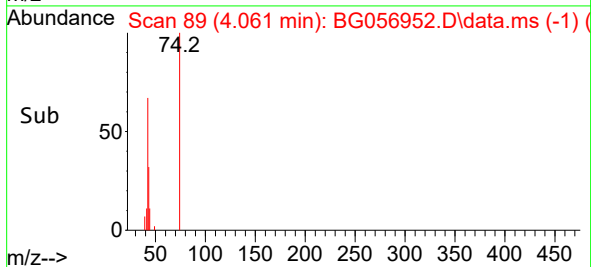
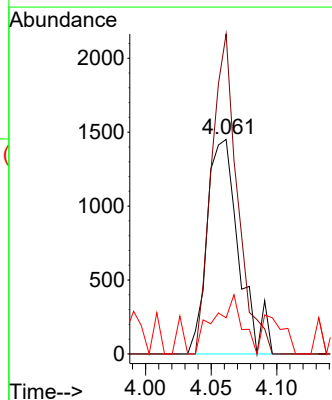
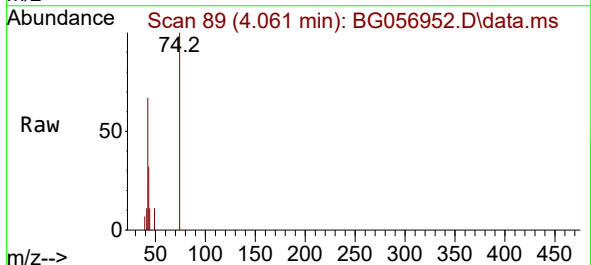
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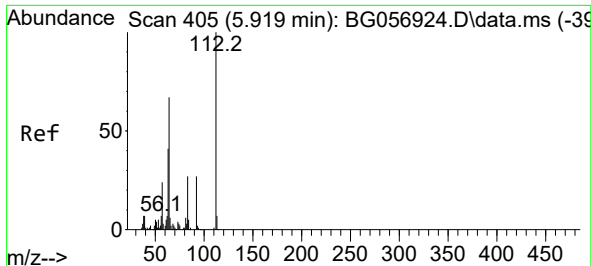
Tgt Ion: 79 Resp: 4378
 Ion Ratio Lower Upper
 79 100
 52 67.7 46.1 69.1
 51 32.2 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 3.860 ng
 RT: 4.061 min Scan# 89
 Delta R.T. 0.004 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06

Tgt Ion: 42 Resp: 2440
 Ion Ratio Lower Upper
 42 100
 74 149.1 100.6 151.0
 44 16.8 4.6 7.0#

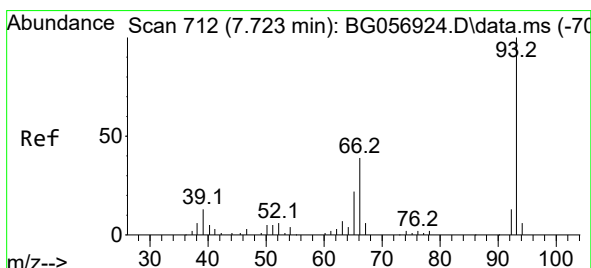
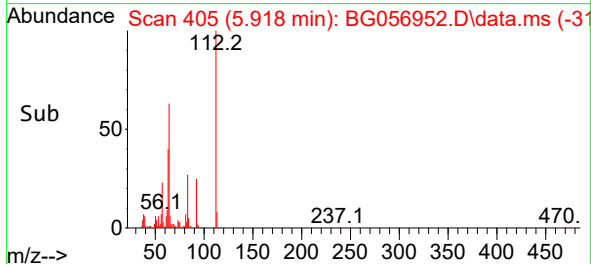
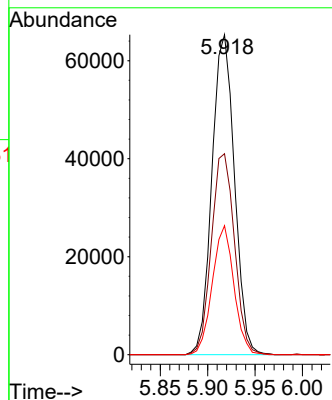
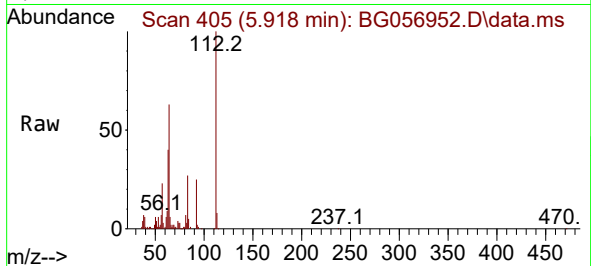




#5
2-Fluorophenol
Concen: 110.848 ng
RT: 5.918 min Scan# 405
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

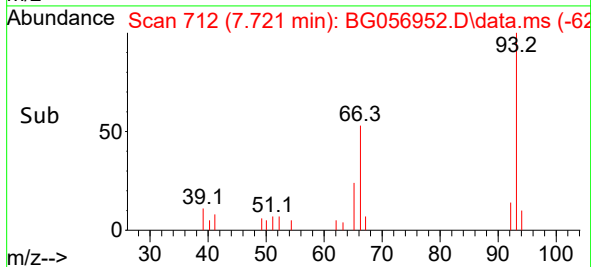
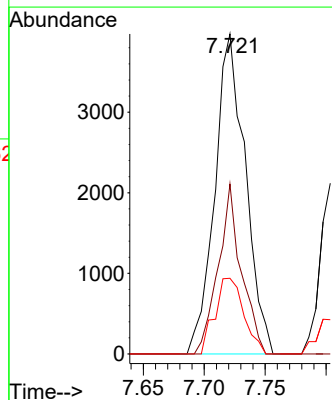
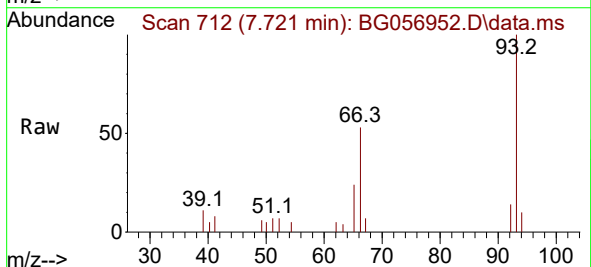
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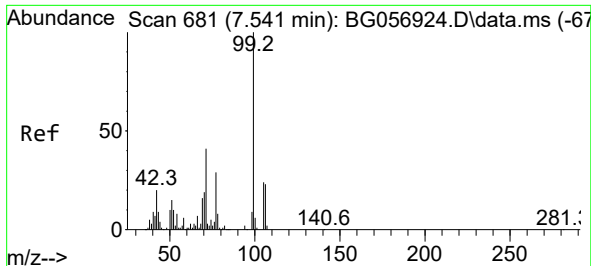
Tgt Ion:112 Resp: 107929
Ion Ratio Lower Upper
112 100
64 62.8 53.2 79.8
63 40.3 32.6 48.8



#6
Aniline
Concen: 3.722 ng
RT: 7.721 min Scan# 712
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion: 93 Resp: 6930
Ion Ratio Lower Upper
93 100
66 53.1 31.4 47.0#
65 23.6 17.3 25.9

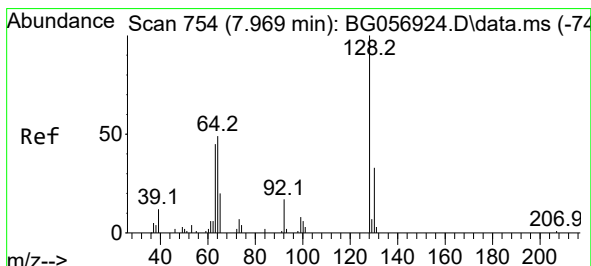
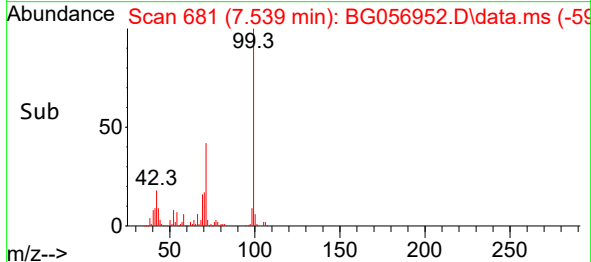
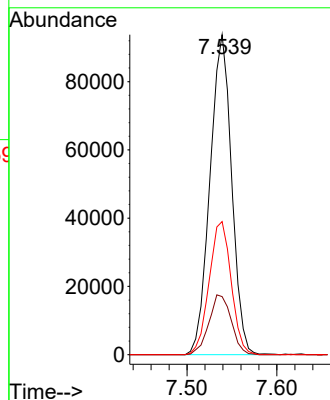
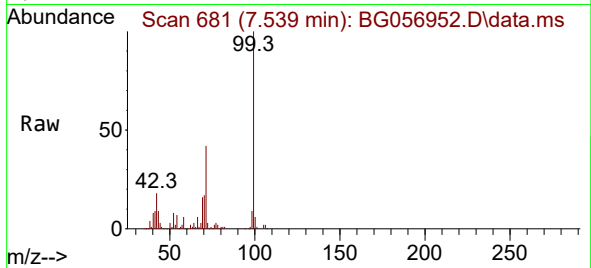




#7
Phenol-d6
Concen: 107.838 ng
RT: 7.539 min Scan# 681
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

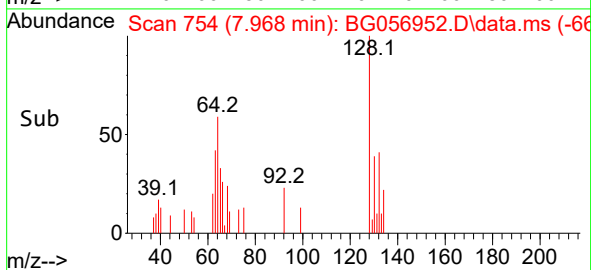
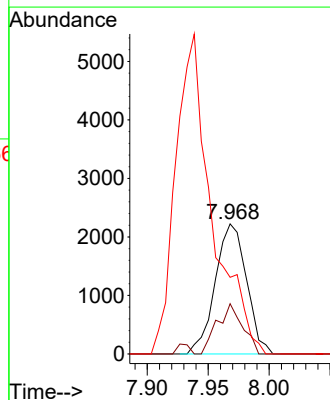
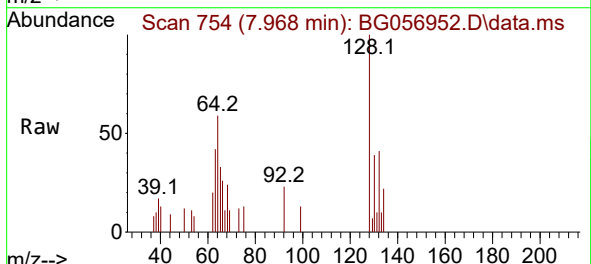
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MDL-SOIL-03-QT1-2023

Tgt Ion: 99 Resp: 157038
Ion Ratio Lower Upper
99 100
42 18.1 15.7 23.5
71 41.6 32.5 48.7



#8
2-Chlorophenol
Concen: 4.093 ng
RT: 7.968 min Scan# 754
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion: 128 Resp: 3969
Ion Ratio Lower Upper
128 100
130 38.6 12.6 52.6
64 59.0 40.6 80.6

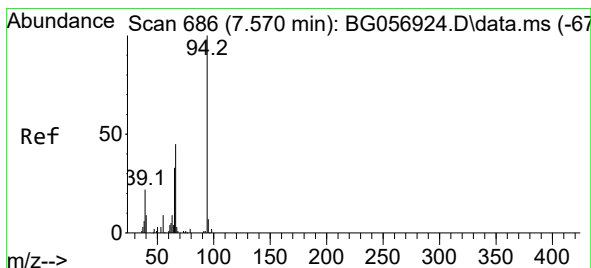
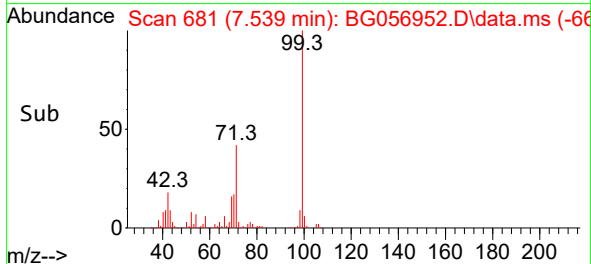
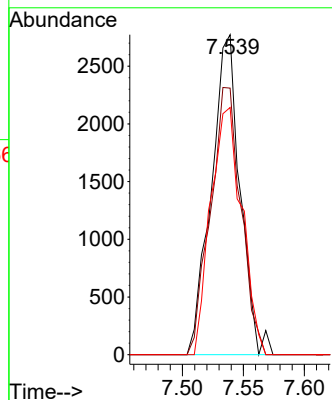
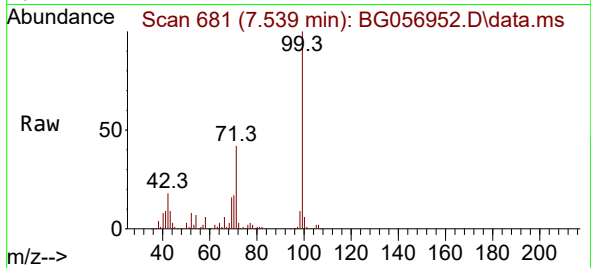




#9
Benzaldehyde
Concen: 4.990 ng
RT: 7.539 min Scan# 681
Delta R.T. 0.004 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

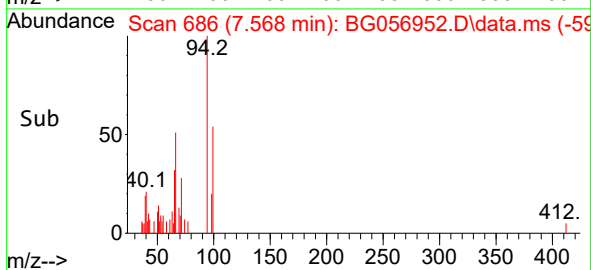
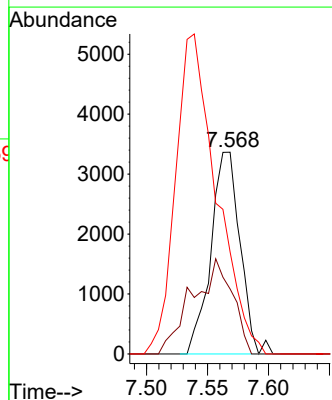
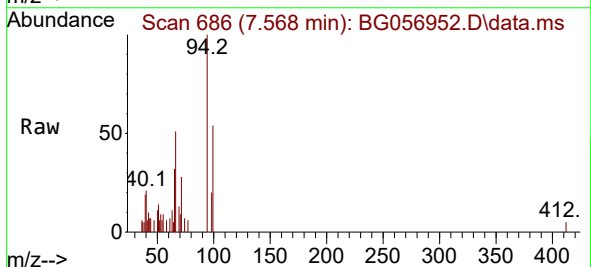
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BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

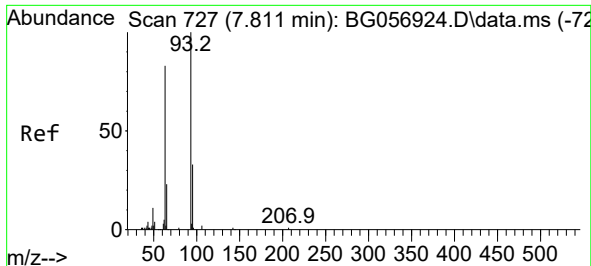
Tgt Ion: 77 Resp: 4558
Ion Ratio Lower Upper
77 100
105 83.3 73.6 113.6
106 77.2 56.7 96.7



#10
Phenol
Concen: 3.889 ng
RT: 7.568 min Scan# 686
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion: 94 Resp: 5612
Ion Ratio Lower Upper
94 100
65 32.2 13.3 53.3
66 50.5 26.7 66.7

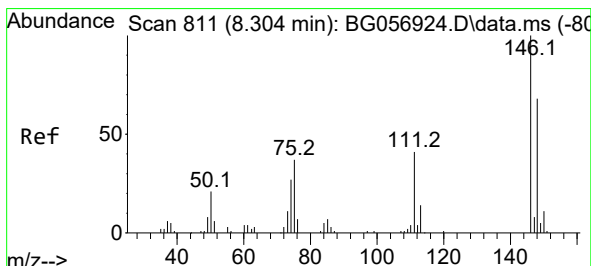
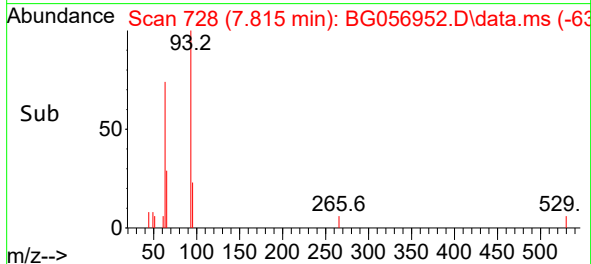
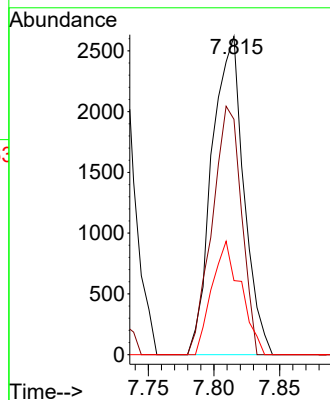
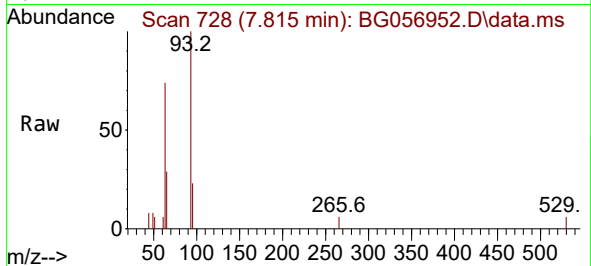




#11
bis(2-Chloroethyl)ether
Concen: 4.295 ng
RT: 7.815 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

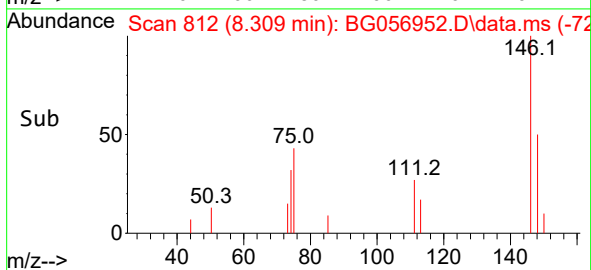
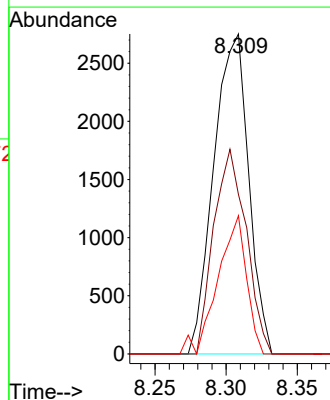
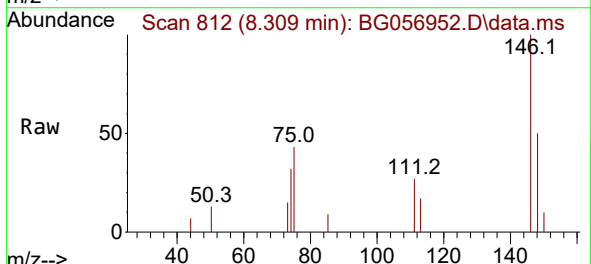
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion: 93 Resp: 4415
Ion Ratio Lower Upper
93 100
63 74.0 62.7 102.7
95 23.3 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 4.374 ng
RT: 8.309 min Scan# 812
Delta R.T. 0.004 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion: 146 Resp: 4687
Ion Ratio Lower Upper
146 100
148 49.9 54.2 81.4#
75 43.2 29.8 44.8





#13

1,4-Dichlorobenzene

Concen: 3.928 ng

RT: 8.779 min Scan# 892

Delta R.T. 0.327 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

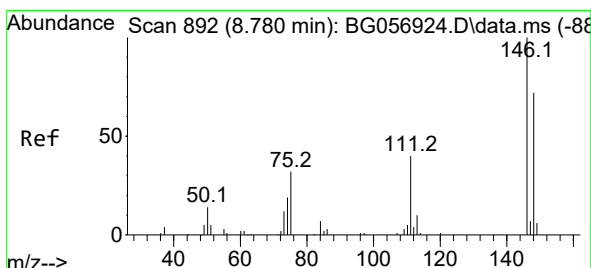
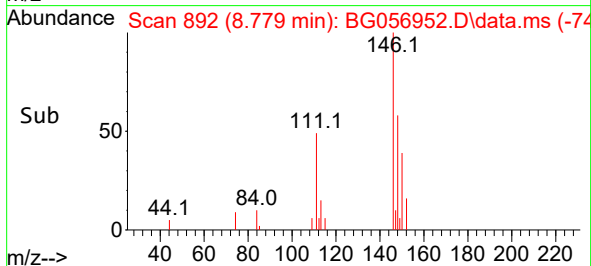
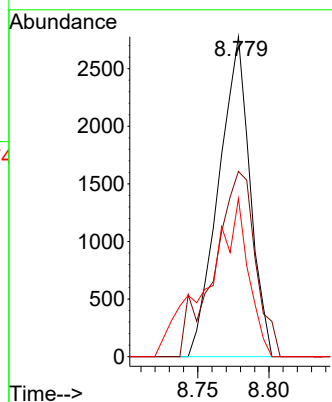
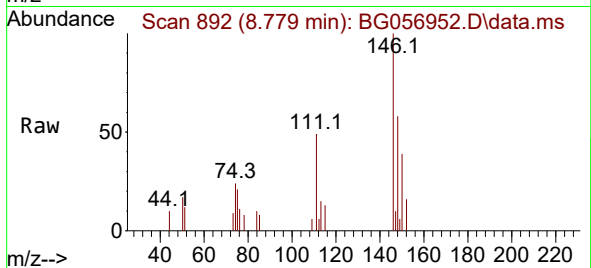
Tgt Ion:146 Resp: 4248

Ion Ratio Lower Upper

146 100

148 57.9 54.8 82.2

111 49.5 34.6 52.0



#14

1,2-Dichlorobenzene

Concen: 4.065 ng

RT: 8.779 min Scan# 892

Delta R.T. -0.002 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

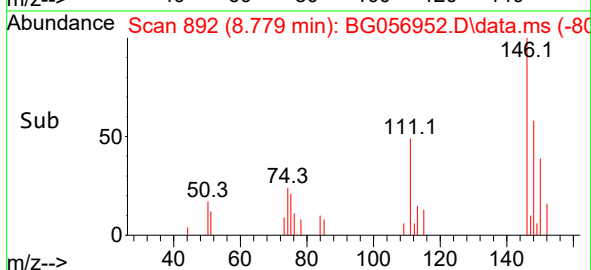
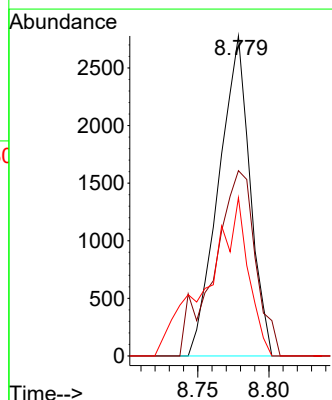
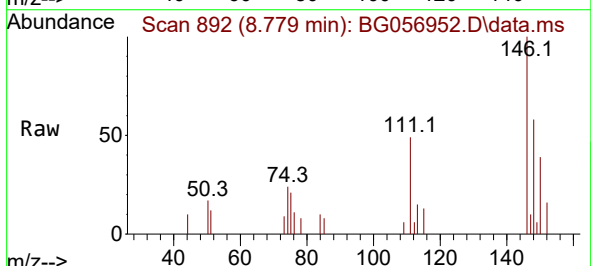
Tgt Ion:146 Resp: 4248

Ion Ratio Lower Upper

146 100

148 57.9 57.4 86.0

111 49.5 33.2 49.8

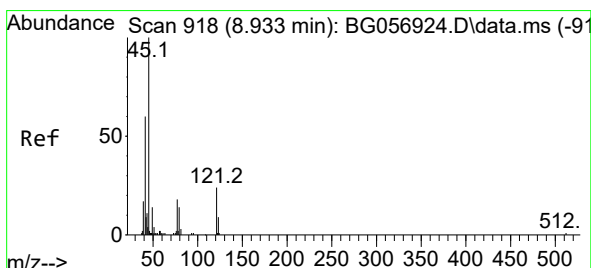
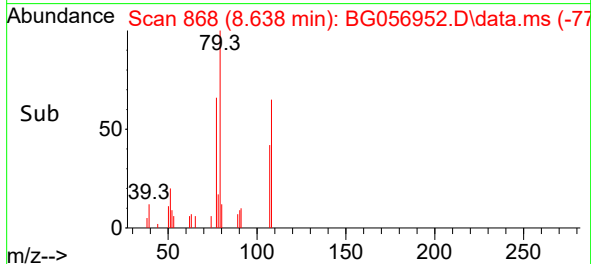
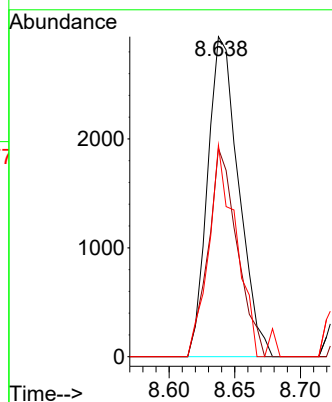
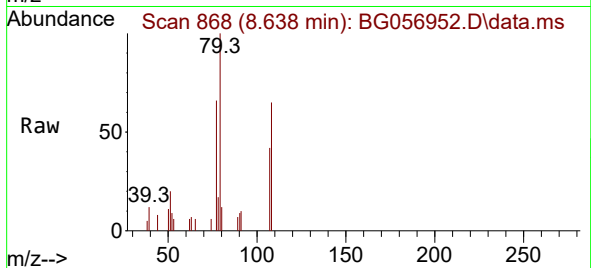




#15
Benzyl Alcohol
Concen: 3.994 ng
RT: 8.638 min Scan# 868
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

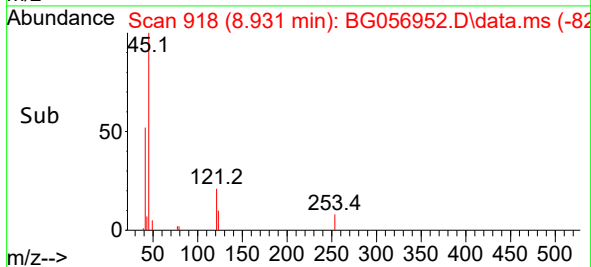
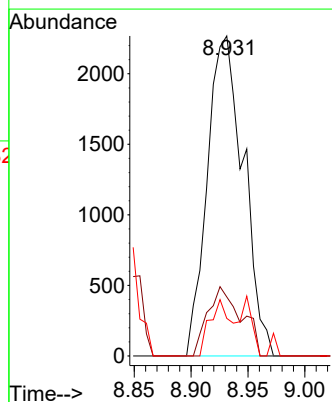
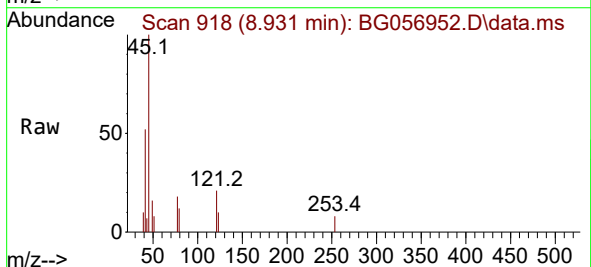
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion: 79 Resp: 4833
Ion Ratio Lower Upper
79 100
108 65.1 51.2 76.8
77 66.1 54.4 81.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.057 ng
RT: 8.931 min Scan# 918
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

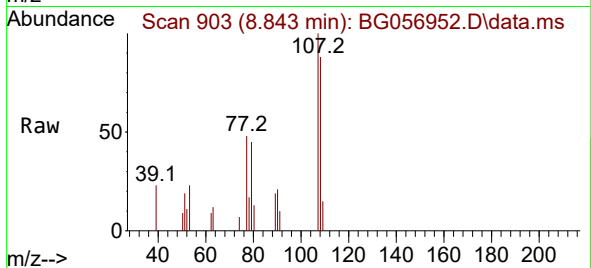
Tgt Ion: 45 Resp: 5026
Ion Ratio Lower Upper
45 100
77 18.5 0.0 38.7
79 11.7 0.0 35.1



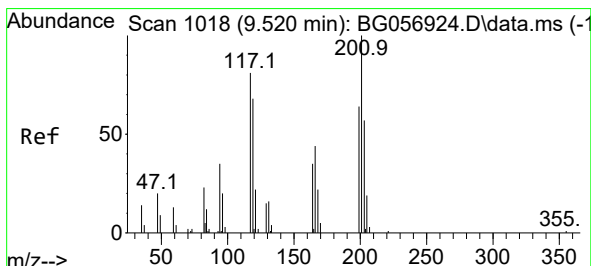
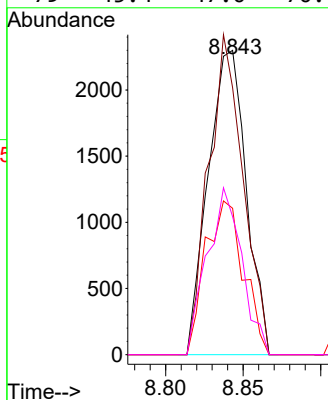
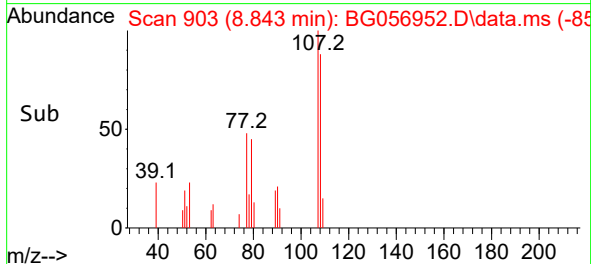


#17
2-Methylphenol
Concen: 3.808 ng
RT: 8.843 min Scan# 903
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

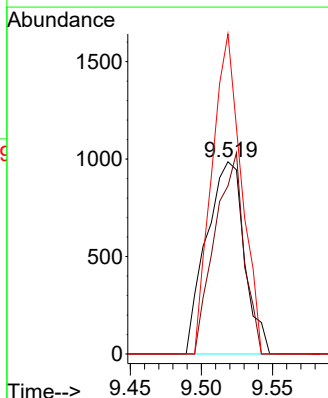
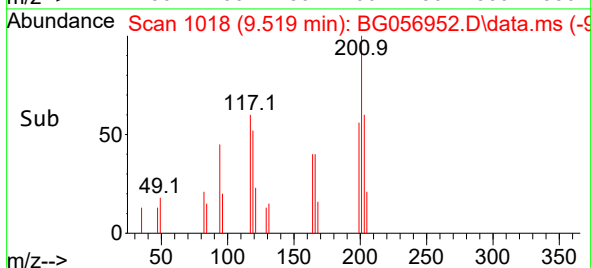
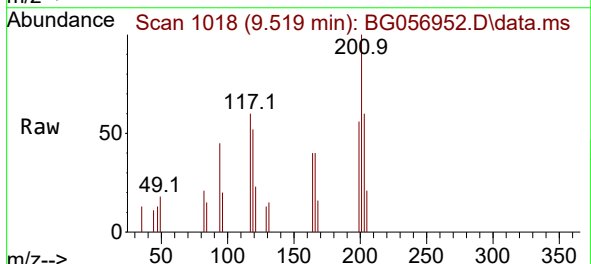


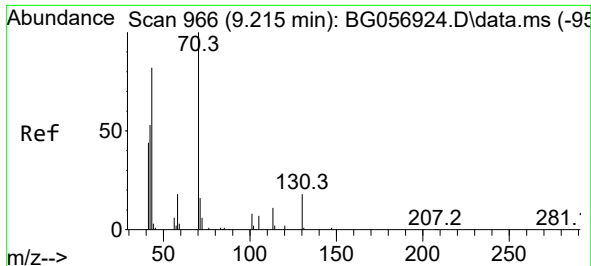
Tgt Ion:107 Resp: 3920
Ion Ratio Lower Upper
107 100
108 87.8 96.0 144.0#
77 48.1 45.6 68.4
79 45.4 47.0 70.4#



#18
Hexachloroethane
Concen: 4.624 ng
RT: 9.519 min Scan# 1018
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:117 Resp: 1828
Ion Ratio Lower Upper
117 100
119 87.4 67.0 100.6
201 166.5 98.7 148.1#

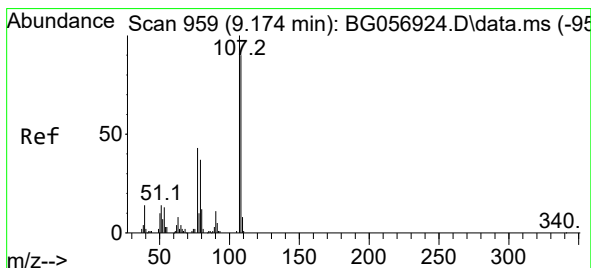
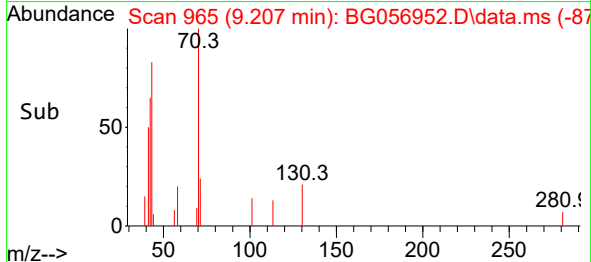
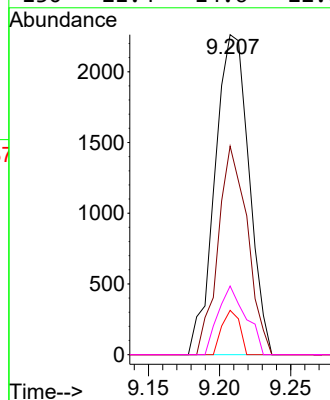
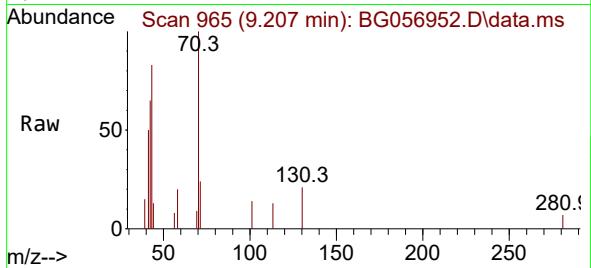




#19
n-Nitroso-di-n-propylamine
Concen: 3.616 ng
RT: 9.207 min Scan# 919
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

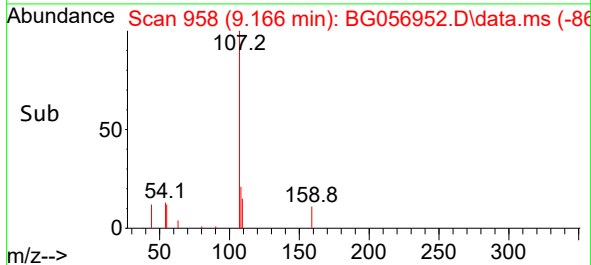
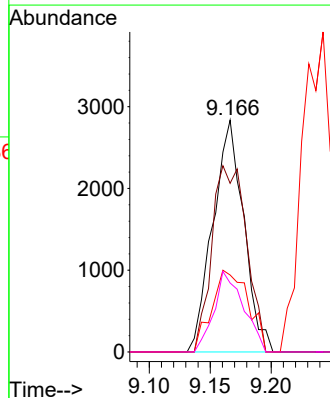
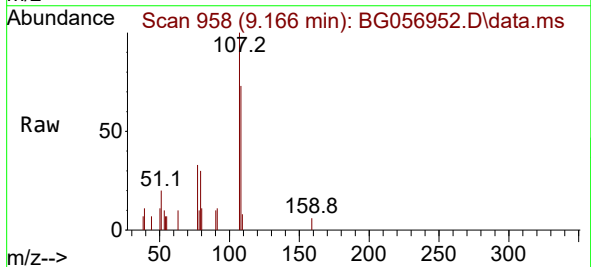
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

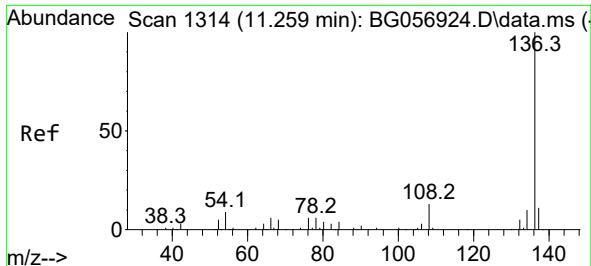
Tgt Ion: 70 Resp: 3766
Ion Ratio Lower Upper
70 100
42 65.2 43.4 65.0#
101 13.8 6.2 9.2#
130 21.4 14.6 22.0



#20
3+4-Methylphenols
Concen: 3.478 ng
RT: 9.166 min Scan# 958
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion: 107 Resp: 5006
Ion Ratio Lower Upper
107 100
108 72.7 69.9 109.9
77 33.2 22.7 62.7
79 29.7 16.5 56.5

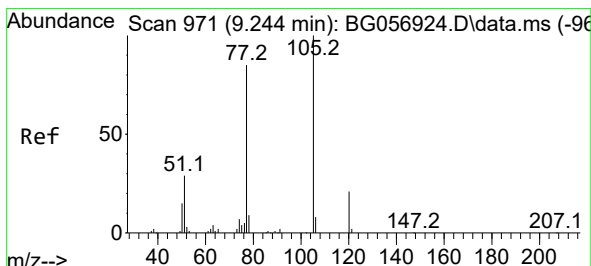
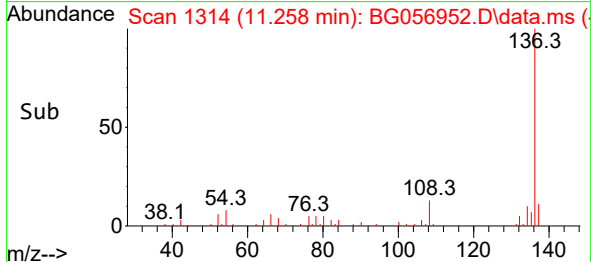
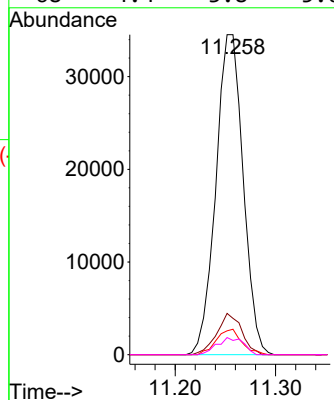
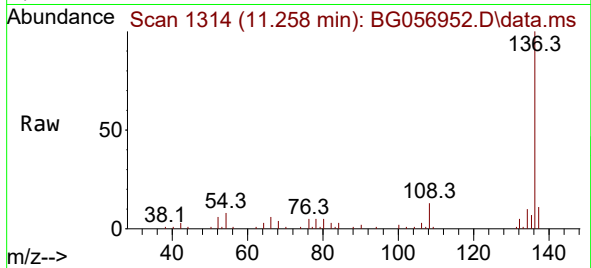




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.258 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

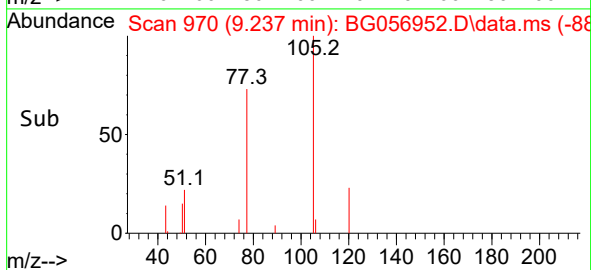
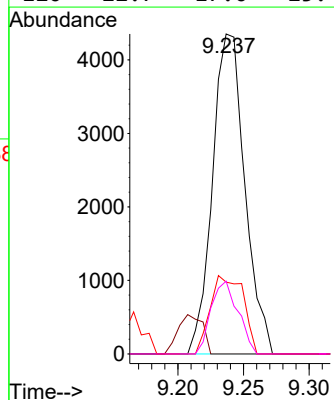
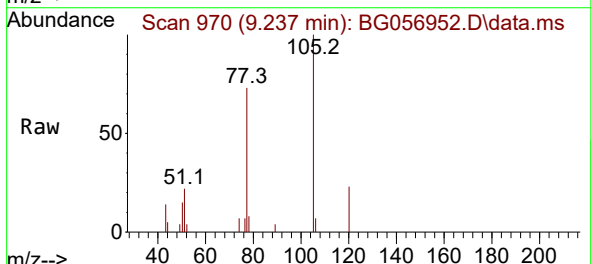
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

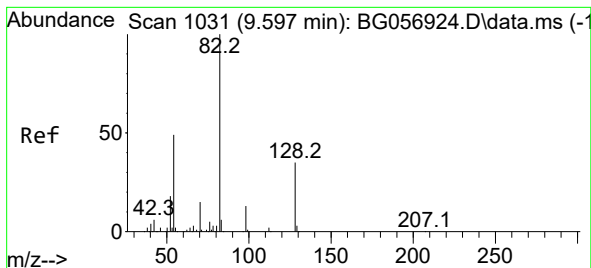
Tgt Ion:	136	Resp:	65086
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	13.0
54	8.0	6.9	10.3
68	4.4	3.8	5.6



#22
Acetophenone
Concen: 3.852 ng
RT: 9.237 min Scan# 970
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:	105	Resp:	7461
Ion Ratio	Lower	Upper	
105	100		
71	0.0	0.7	1.1#
51	22.5	23.8	35.8#
120	22.7	17.0	25.4





#23

Nitrobenzene-d5

Concen: 76.906 ng

RT: 9.589 min Scan# 1030

Delta R.T. -0.007 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

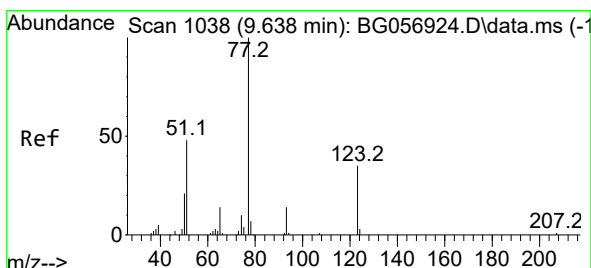
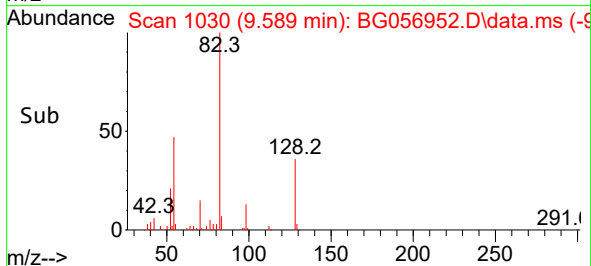
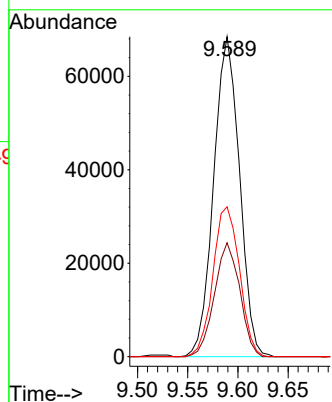
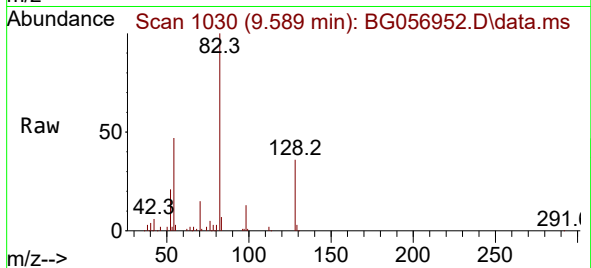
Tgt Ion: 82 Resp: 122332

Ion Ratio Lower Upper

82 100

128 35.6 27.9 41.9

54 46.8 39.4 59.2



#24

Nitrobenzene

Concen: 3.977 ng

RT: 9.630 min Scan# 1037

Delta R.T. -0.007 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

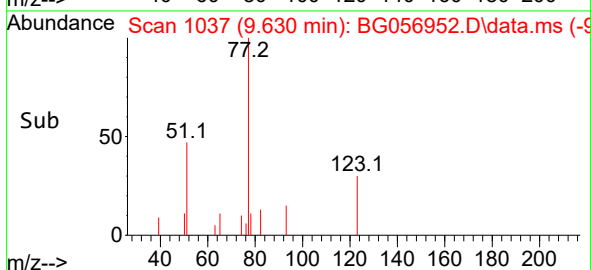
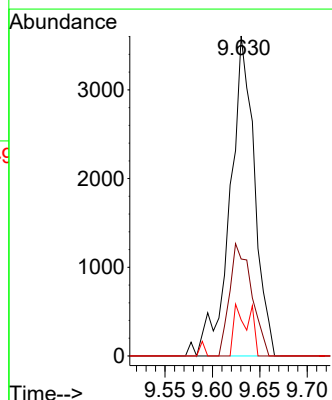
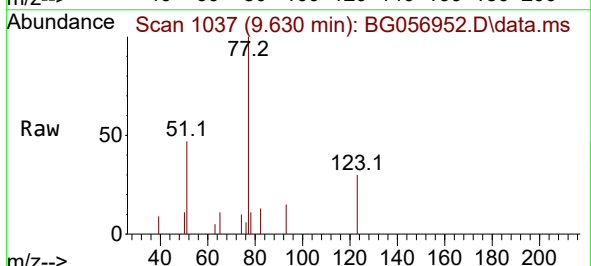
Tgt Ion: 77 Resp: 6468

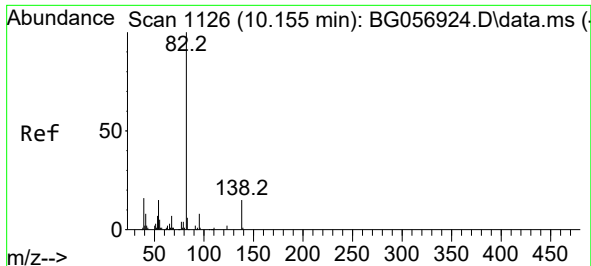
Ion Ratio Lower Upper

77 100

123 30.3 27.6 41.4

65 11.3 11.5 17.3#

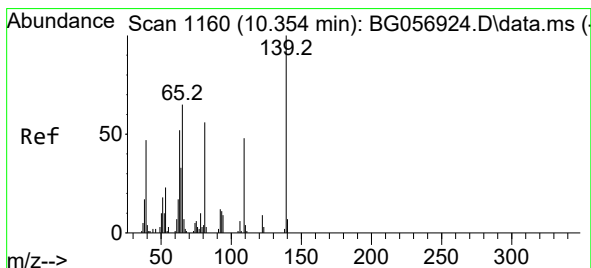
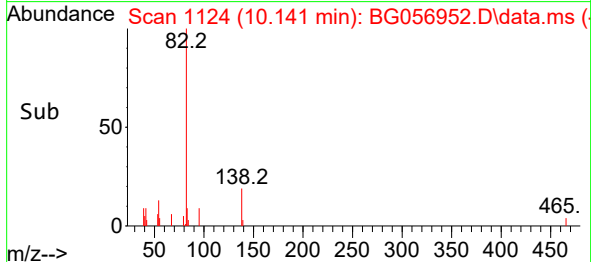
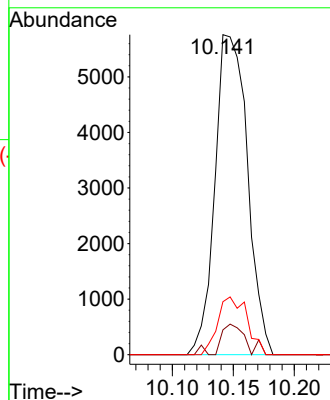
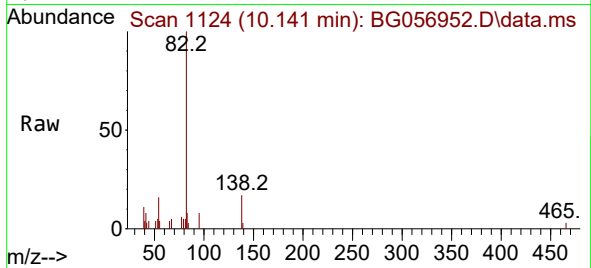




#25
Isophorone
Concen: 3.518 ng
RT: 10.141 min Scan# 1124
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

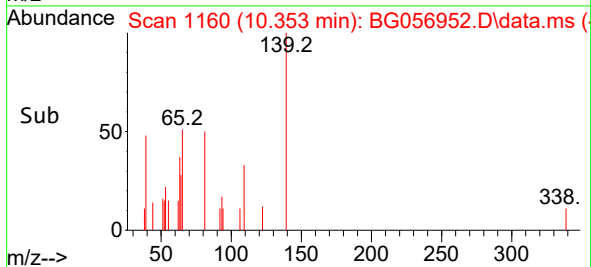
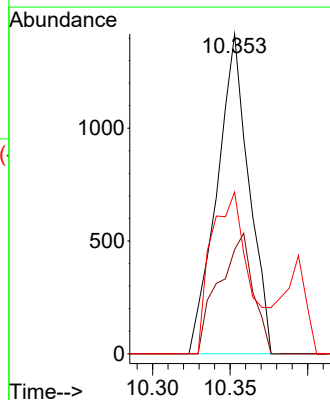
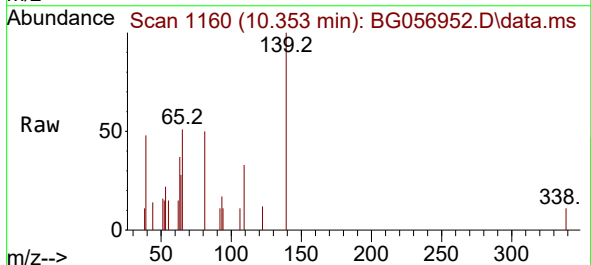
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

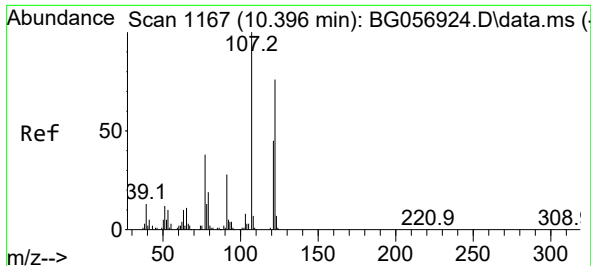
Tgt Ion: 82 Resp: 10655
Ion Ratio Lower Upper
82 100
95 7.8 6.3 9.5
138 16.5 11.8 17.8



#26
2-Nitrophenol
Concen: 3.237 ng
RT: 10.353 min Scan# 1160
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:139 Resp: 2032
Ion Ratio Lower Upper
139 100
109 32.6 38.2 57.4#
65 50.6 51.8 77.8#





#27

2,4-Dimethylphenol

Concen: 3.351 ng

RT: 10.388 min Scan# 1166

Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

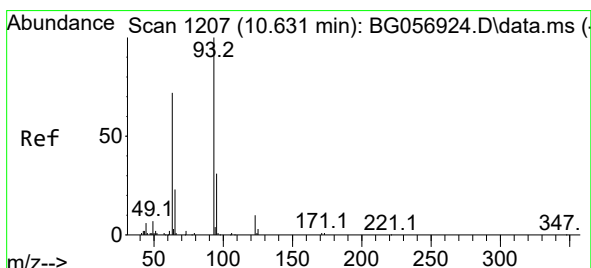
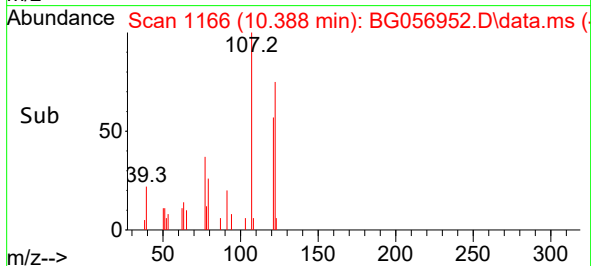
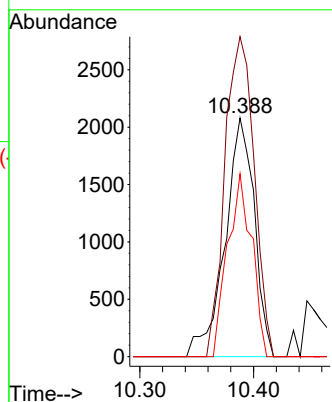
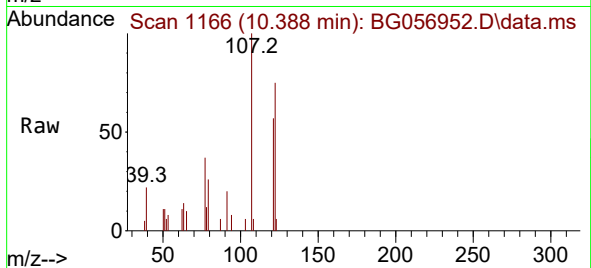
Tgt Ion:122 Resp: 3714

Ion Ratio Lower Upper

122 100

107 134.0 105.7 158.5

121 76.6 48.0 72.0#



#28

bis(2-Chloroethoxy)methane

Concen: 3.979 ng

RT: 10.629 min Scan# 1207

Delta R.T. -0.002 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

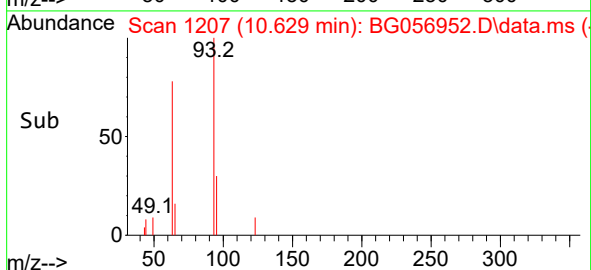
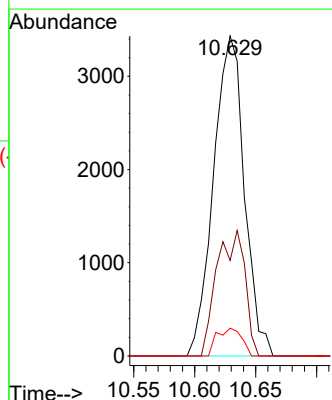
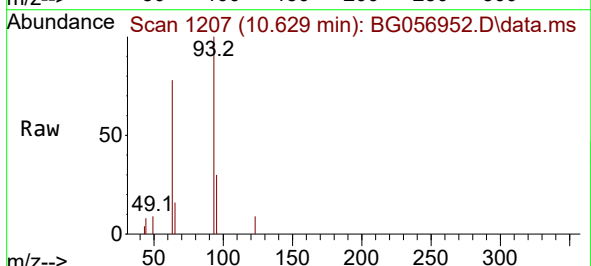
Tgt Ion: 93 Resp: 6034

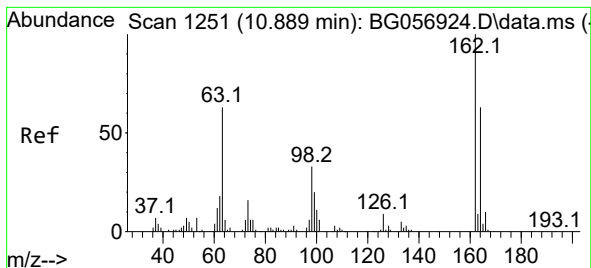
Ion Ratio Lower Upper

93 100

95 29.9 24.6 37.0

123 8.7 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 3.442 ng

RT: 10.887 min Scan# 1251

Delta R.T. -0.002 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

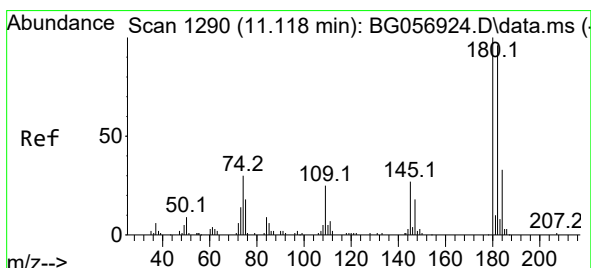
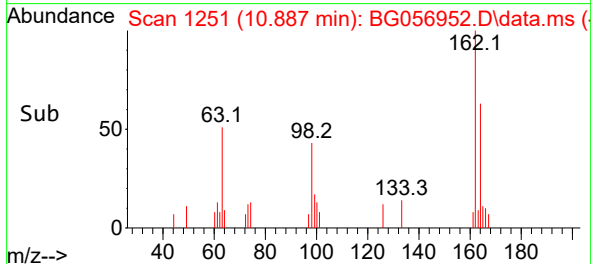
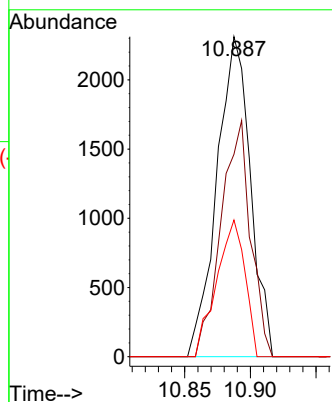
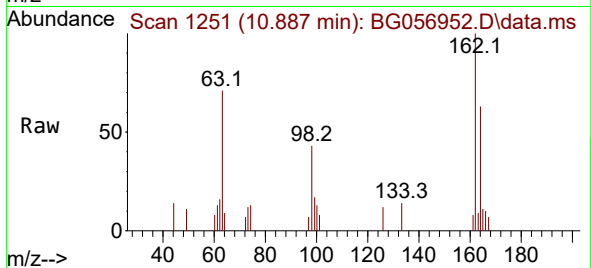
Tgt Ion:162 Resp: 4103

Ion Ratio Lower Upper

162 100

164 63.3 43.4 83.4

98 42.7 12.5 52.5



#30

1,2,4-Trichlorobenzene

Concen: 4.062 ng

RT: 11.105 min Scan# 1288

Delta R.T. -0.013 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

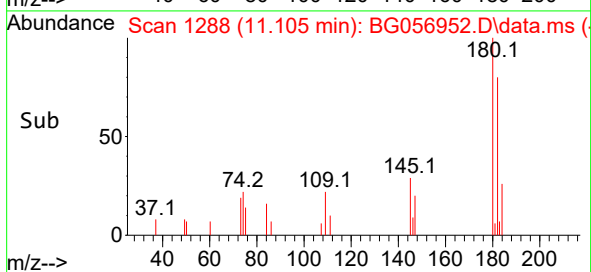
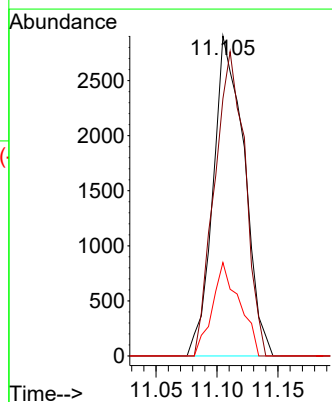
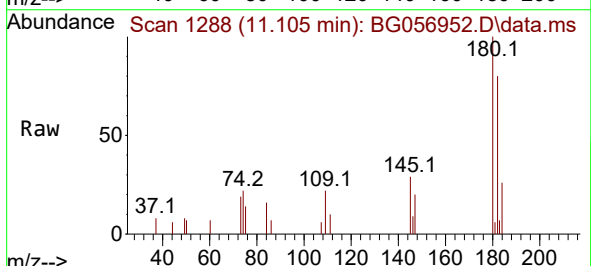
Tgt Ion:180 Resp: 5144

Ion Ratio Lower Upper

180 100

182 80.4 77.1 115.7

145 29.2 21.3 31.9

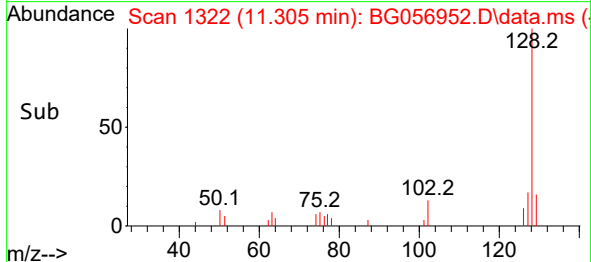
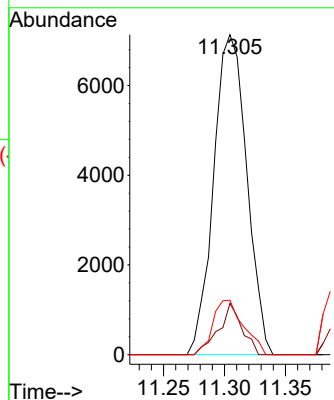
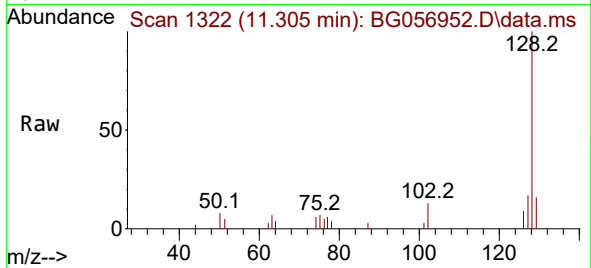




#31
Naphthalene
Concen: 3.805 ng
RT: 11.305 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

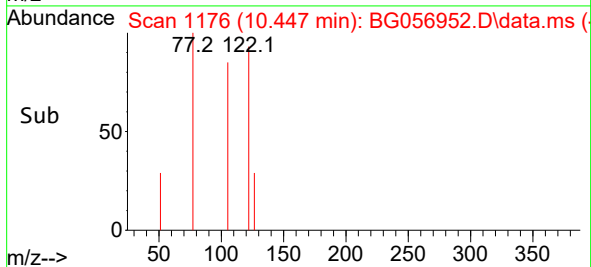
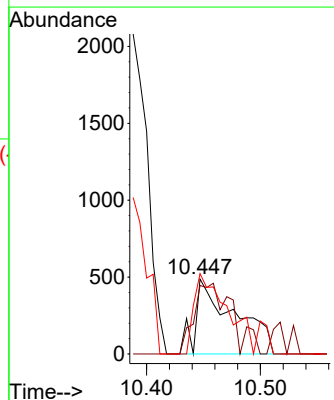
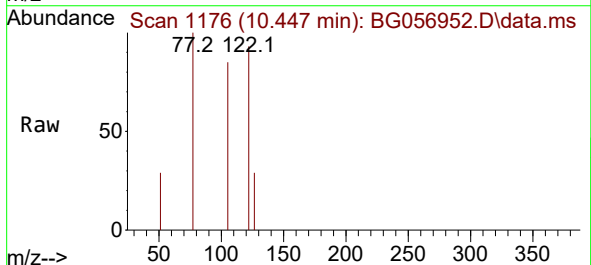
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

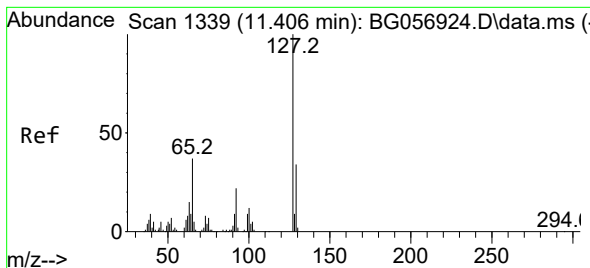
Tgt Ion:128 Resp: 13497
Ion Ratio Lower Upper
128 100
129 16.0 9.4 14.2#
127 17.0 12.2 18.4



#32
Benzoic acid
Concen: 1.551 ng
RT: 10.447 min Scan# 1176
Delta R.T. -0.066 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:122 Resp: 1181
Ion Ratio Lower Upper
122 100
105 91.6 105.4 145.4#
77 107.4 87.4 127.4





#33

4-Chloroaniline

Concen: 3.417 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG056952.D

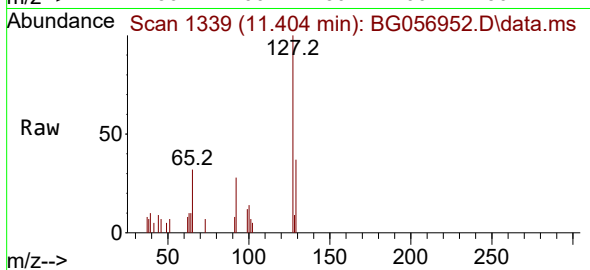
Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



Tgt Ion:127 Resp: 5475

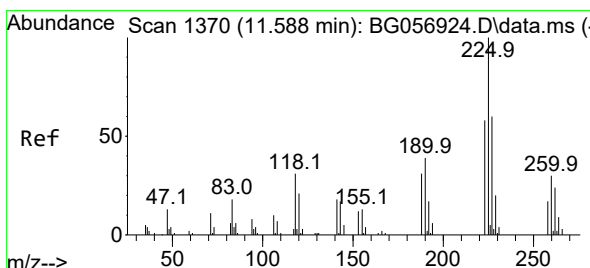
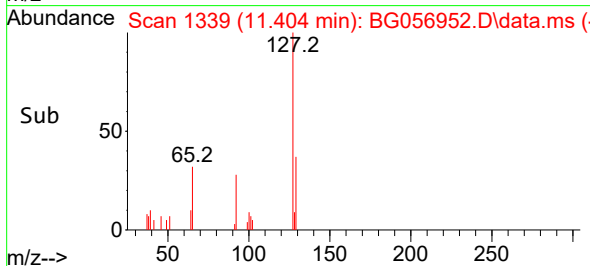
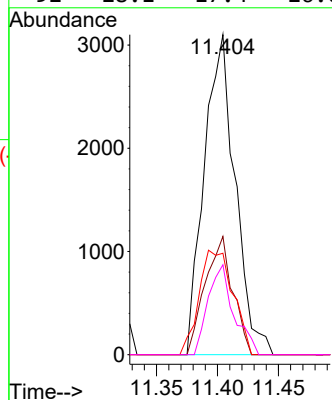
Ion Ratio Lower Upper

127 100

129 37.0 27.6 41.4

65 31.7 29.8 44.8

92 28.1 17.4 26.0#



#34

Hexachlorobutadiene

Concen: 3.943 ng

RT: 11.581 min Scan# 1369

Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

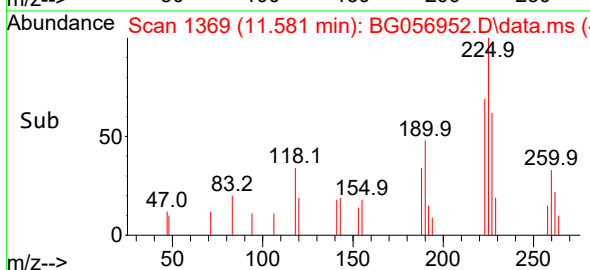
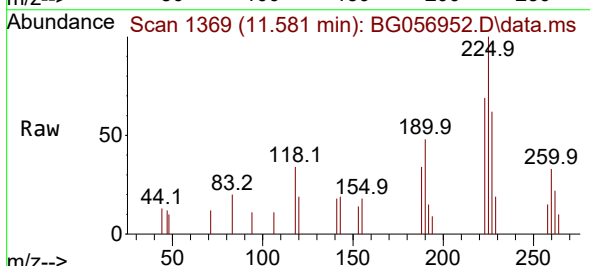
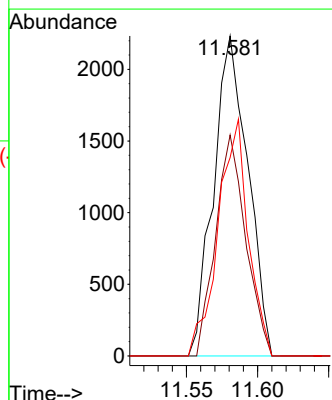
Tgt Ion:225 Resp: 3751

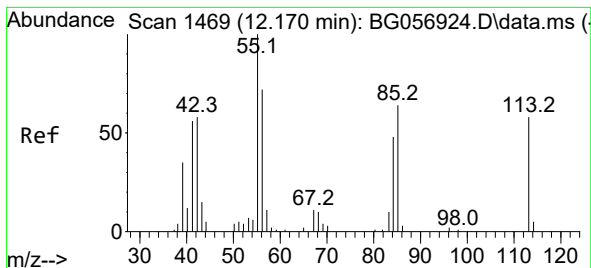
Ion Ratio Lower Upper

225 100

223 69.1 46.4 69.6

227 62.0 48.0 72.0





#35

Caprolactam

Concen: 3.292 ng

RT: 12.139 min Scan# 1464

Delta R.T. -0.031 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

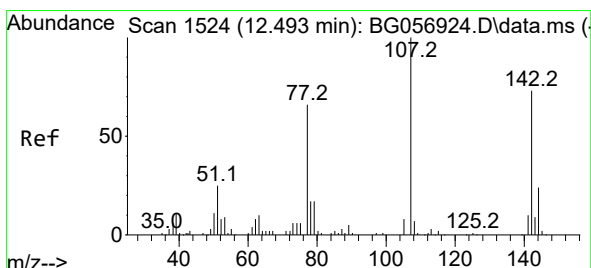
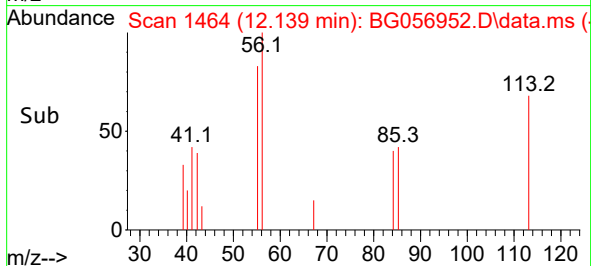
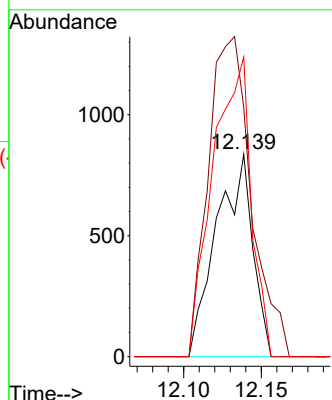
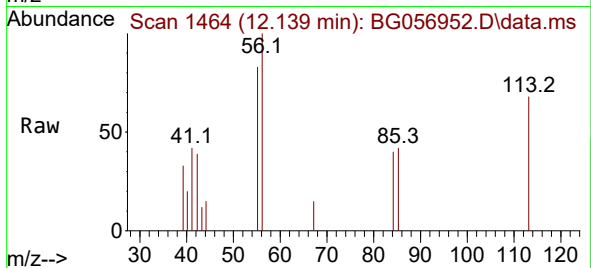
Tgt Ion:113 Resp: 1353

Ion Ratio Lower Upper

113 100

55 123.3 151.6 191.6#

56 148.0 103.7 143.7#



#36

4-Chloro-3-methylphenol

Concen: 3.370 ng

RT: 12.485 min Scan# 1523

Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

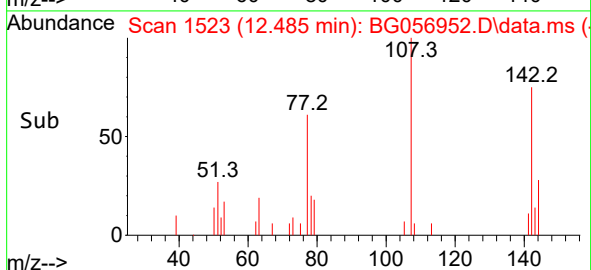
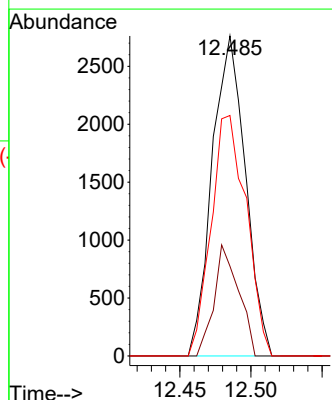
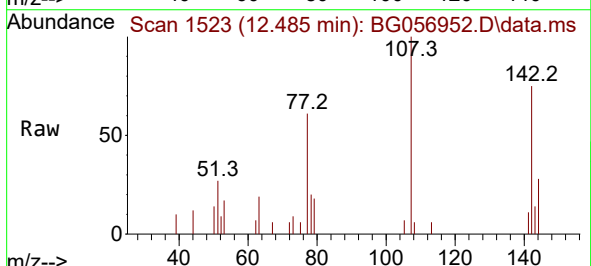
Tgt Ion:107 Resp: 4492

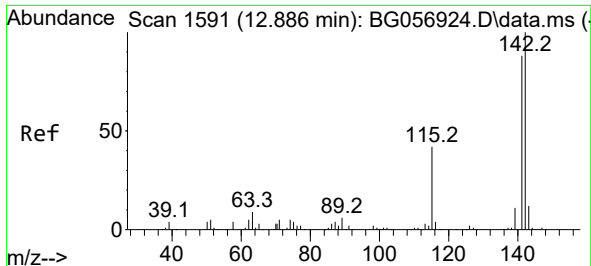
Ion Ratio Lower Upper

107 100

144 28.0 19.0 28.4

142 75.1 58.6 88.0

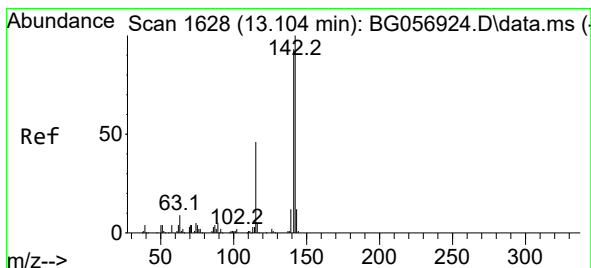
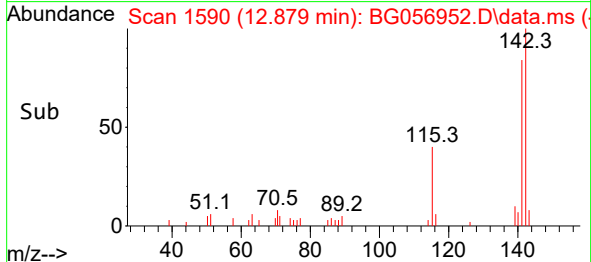
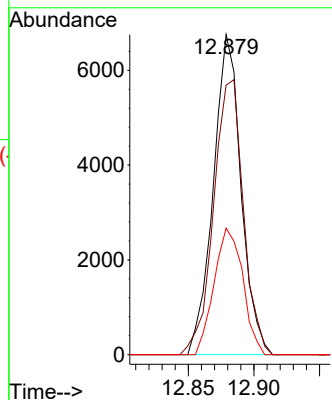
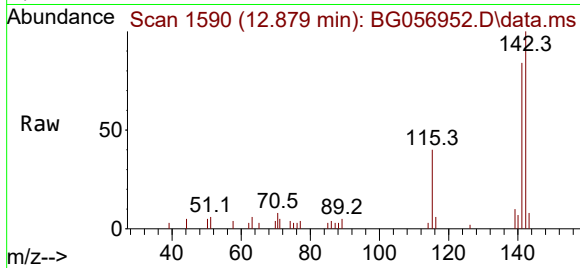




#37
2-Methylnaphthalene
Concen: 3.525 ng
RT: 12.879 min Scan# 1590
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

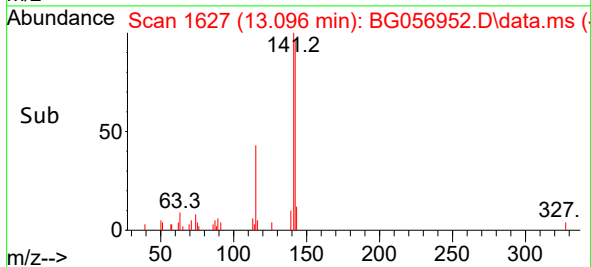
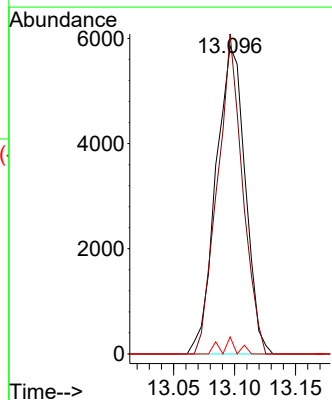
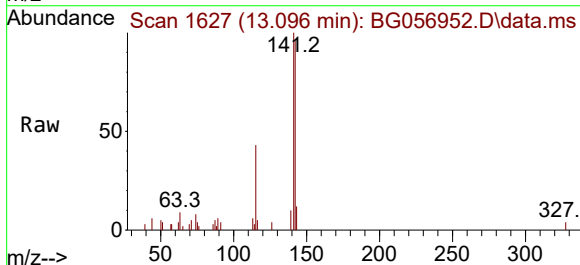
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion:142 Resp: 9926
Ion Ratio Lower Upper
142 100
141 84.2 70.3 105.5
115 39.6 33.5 50.3



#38
1-Methylnaphthalene
Concen: 3.700 ng
RT: 13.096 min Scan# 1627
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:142 Resp: 9782
Ion Ratio Lower Upper
142 100
141 103.9 74.0 111.0
116 5.6 3.7 5.5#

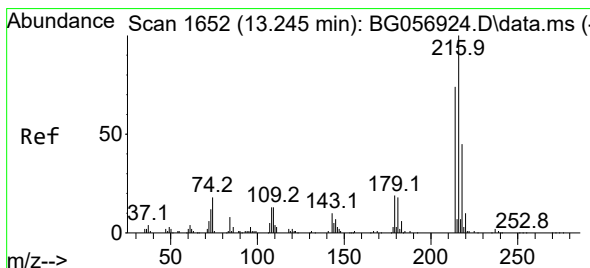
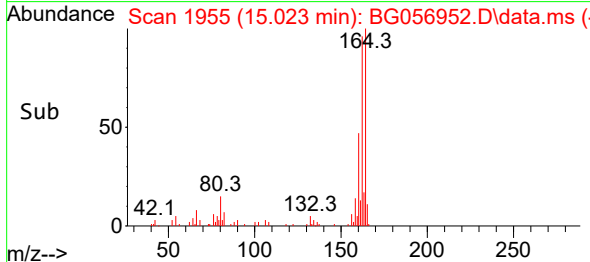
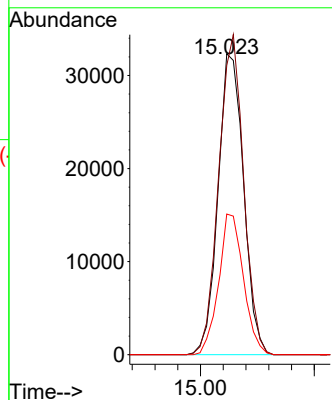
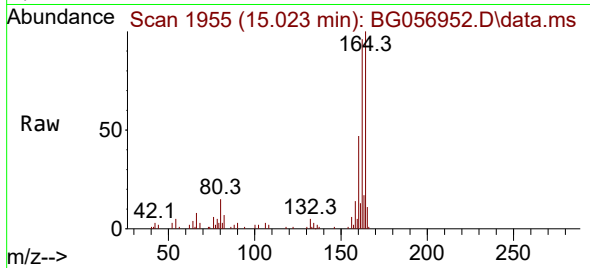




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.023 min Scan# 1955
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

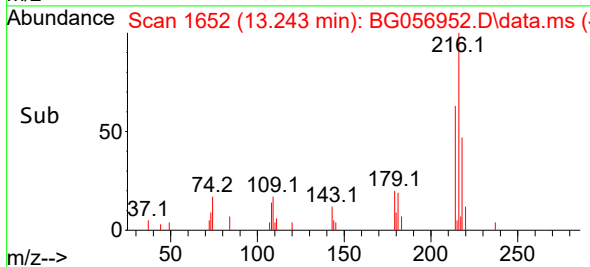
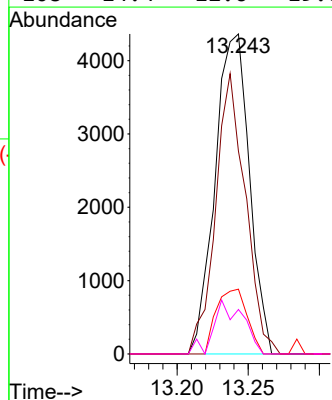
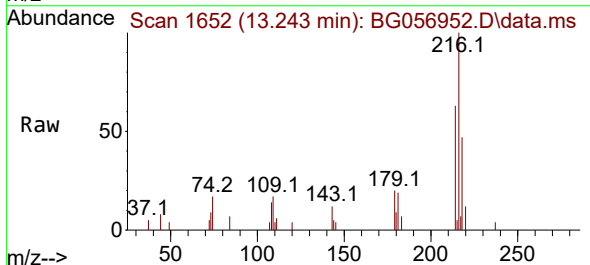
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

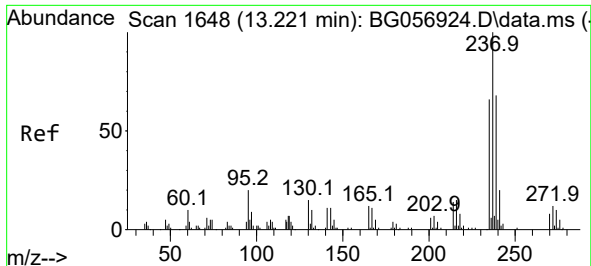
Tgt Ion:164 Resp: 50450
Ion Ratio Lower Upper
164 100
162 96.1 77.8 116.8
160 46.7 33.5 50.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.185 ng
RT: 13.243 min Scan# 1652
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

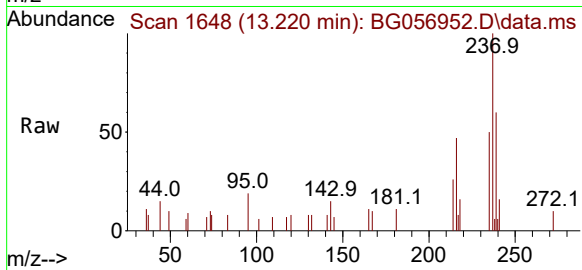
Tgt Ion:216 Resp: 7322
Ion Ratio Lower Upper
216 100
214 76.0 63.3 94.9
179 18.2 15.0 22.6
108 14.4 12.6 19.0



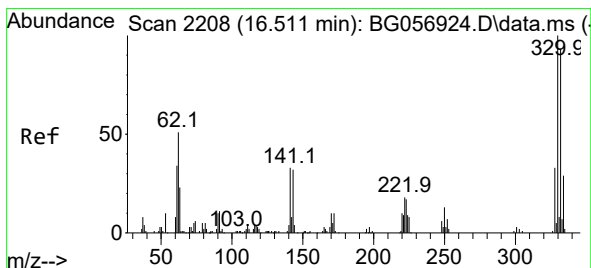
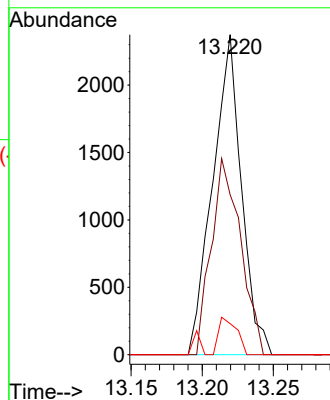
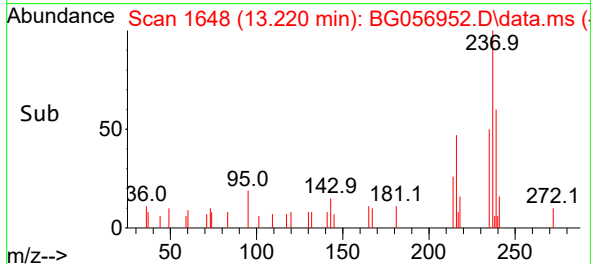


#41
Hexachlorocyclopentadiene
Concen: 3.458 ng
RT: 13.220 min Scan# 1648
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

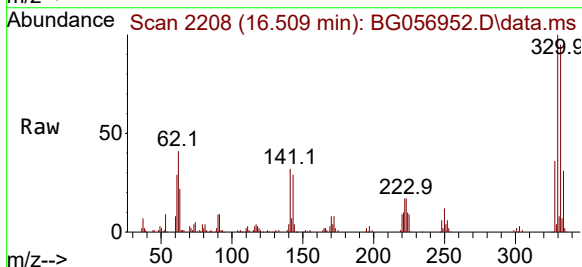
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



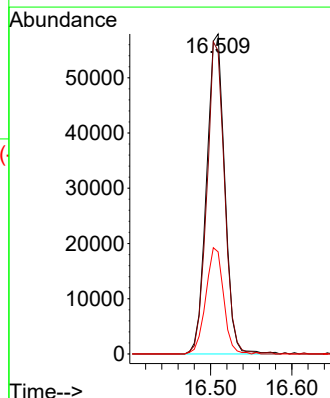
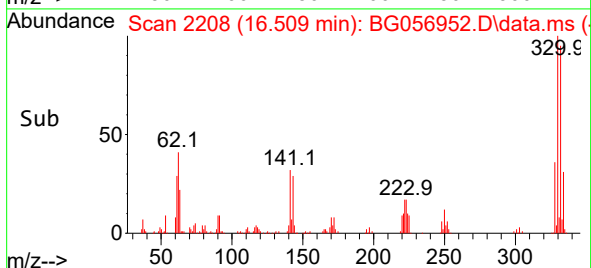
Tgt Ion:237 Resp: 3333
Ion Ratio Lower Upper
237 100
235 50.0 45.9 85.9
272 9.7 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 111.098 ng
RT: 16.509 min Scan# 2208
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06



Tgt Ion:330 Resp: 89540
Ion Ratio Lower Upper
330 100
332 95.0 76.1 114.1
141 32.5 25.8 38.6

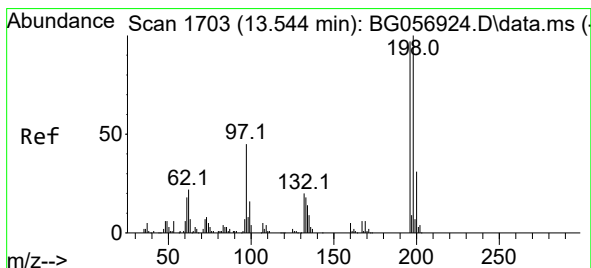
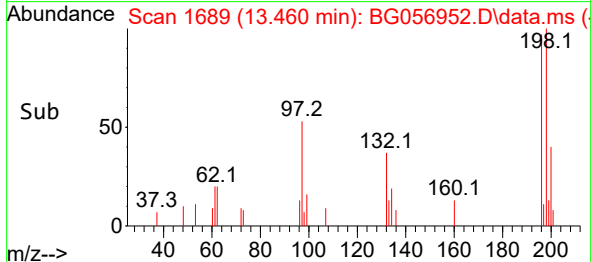
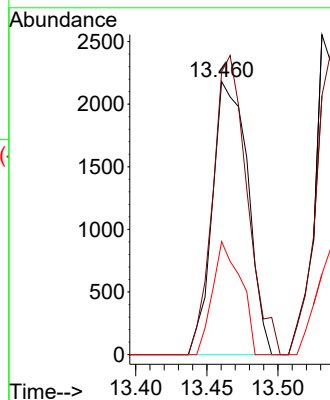
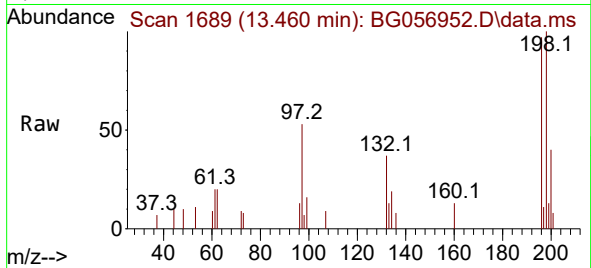




#43
2,4,6-Trichlorophenol
Concen: 3.389 ng
RT: 13.460 min Scan# 1
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

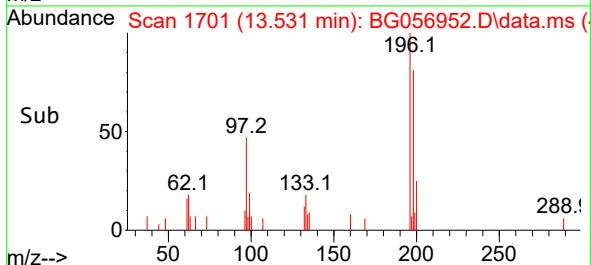
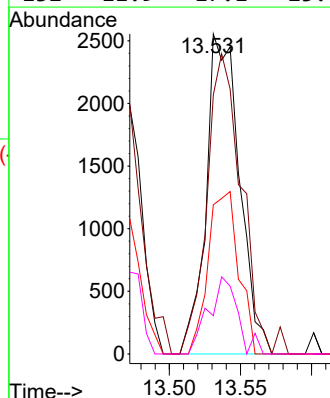
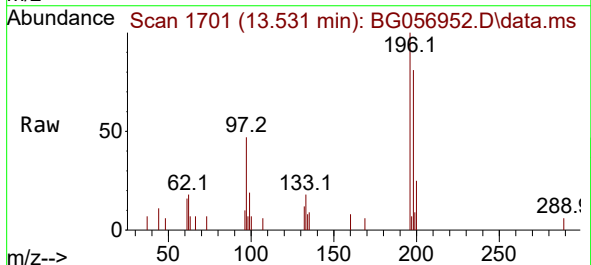
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

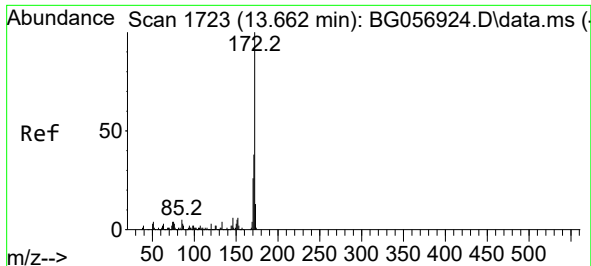
Tgt Ion:196 Resp: 3783
Ion Ratio Lower Upper
196 100
198 103.6 79.1 118.7
200 41.4 27.2 40.8#



#44
2,4,5-Trichlorophenol
Concen: 3.147 ng
RT: 13.531 min Scan# 1701
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:196 Resp: 4162
Ion Ratio Lower Upper
196 100
198 80.9 82.5 123.7#
97 46.6 37.0 55.6
132 11.9 17.1 25.7#

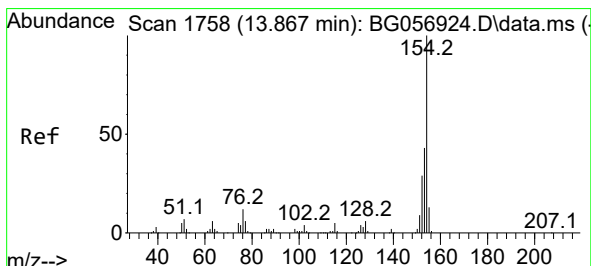
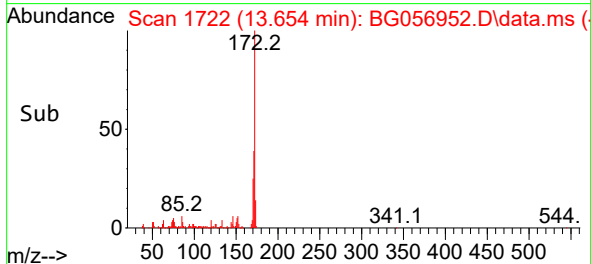
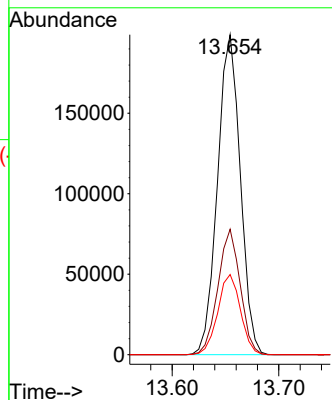
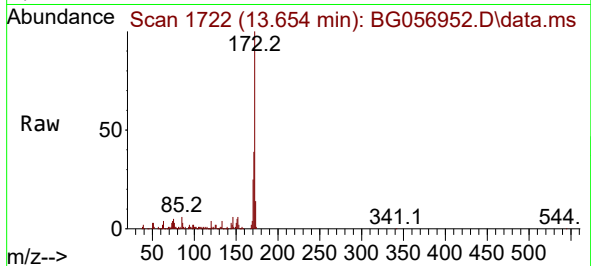




#45
2-Fluorobiphenyl
Concen: 79.281 ng
RT: 13.654 min Scan# 1722
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

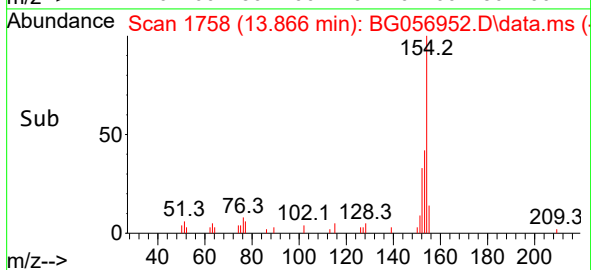
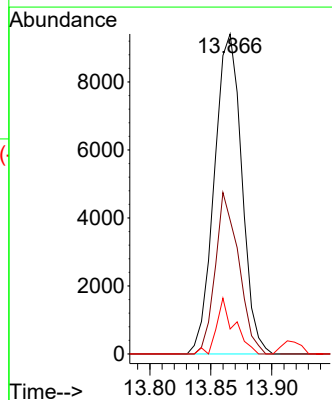
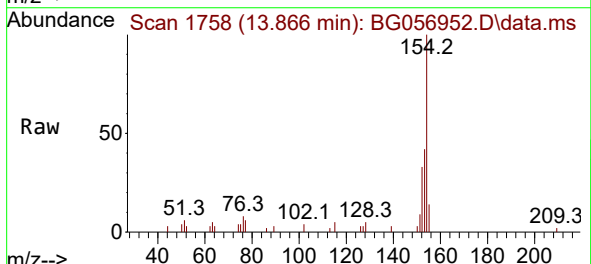
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

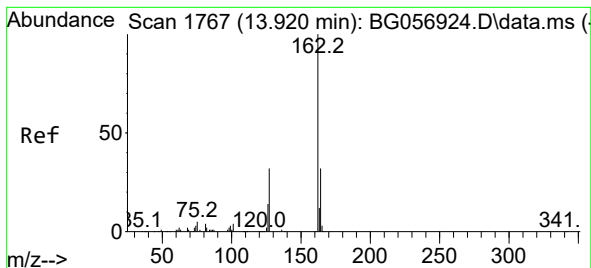
Tgt Ion:172 Resp: 294964
Ion Ratio Lower Upper
172 100
171 39.2 30.6 46.0
170 25.1 20.6 30.8



#46
1,1'-Biphenyl
Concen: 3.986 ng
RT: 13.866 min Scan# 1758
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:154 Resp: 14722
Ion Ratio Lower Upper
154 100
153 41.9 23.4 63.4
76 7.8 0.0 31.6





#47

2-Chloronaphthalene

Concen: 4.028 ng

RT: 13.913 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

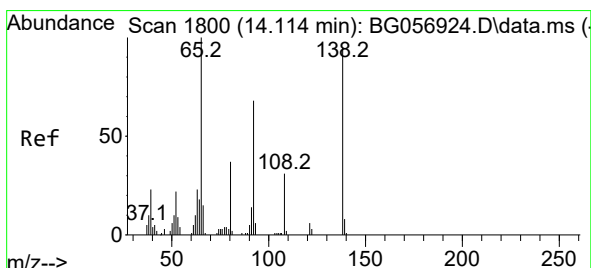
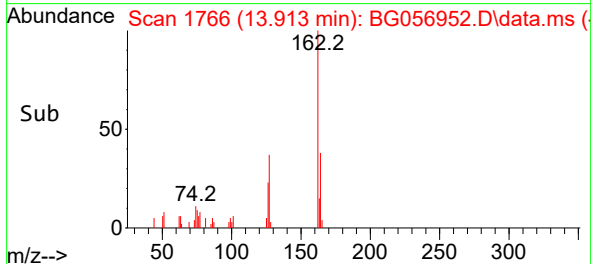
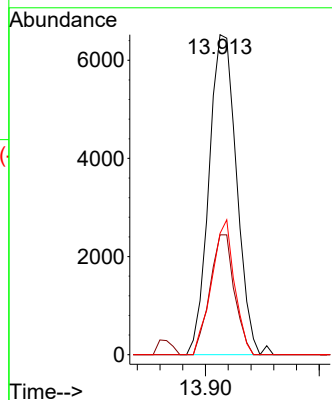
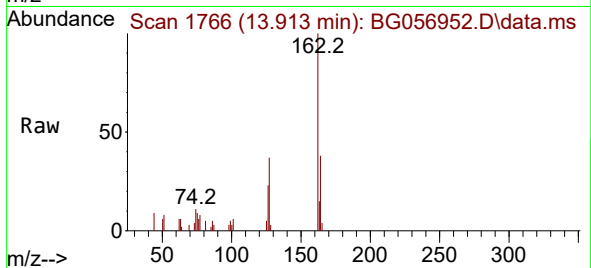
Tgt Ion:162 Resp: 11003

Ion Ratio Lower Upper

162 100

127 37.4 29.5 44.3

164 37.9 25.5 38.3



#48

2-Nitroaniline

Concen: 3.487 ng

RT: 14.107 min Scan# 1799

Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

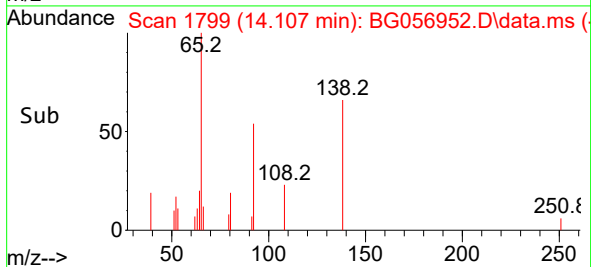
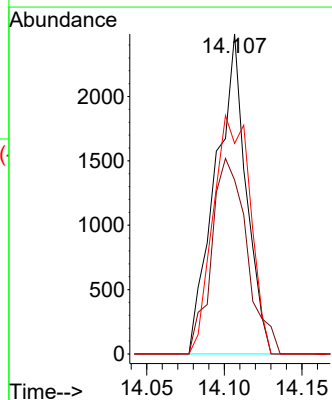
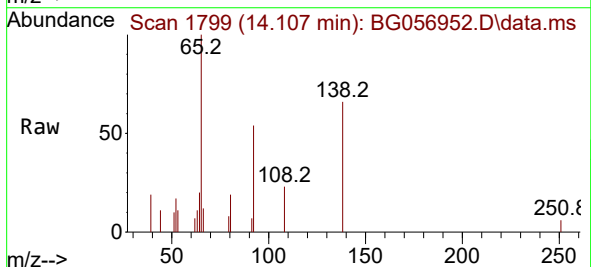
Tgt Ion: 65 Resp: 3406

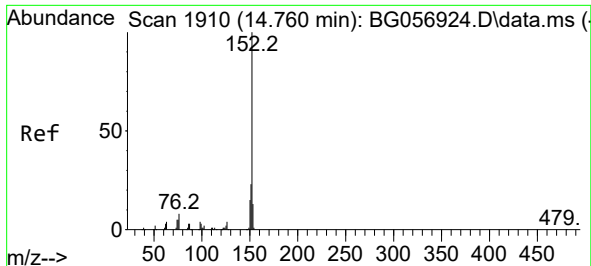
Ion Ratio Lower Upper

65 100

92 54.3 54.3 81.5

138 65.8 76.0 114.0#

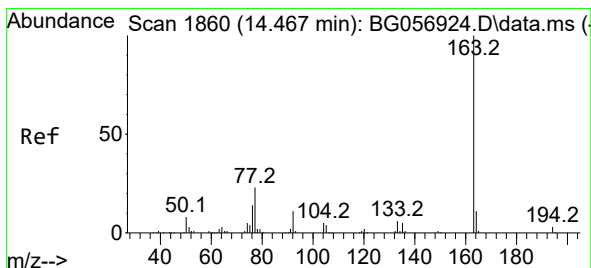
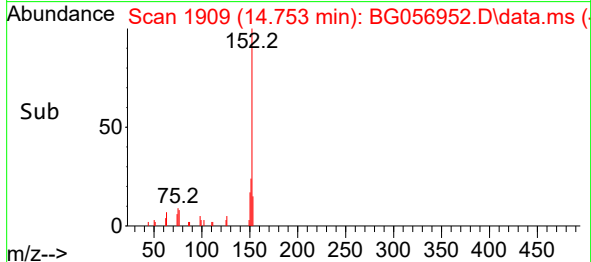
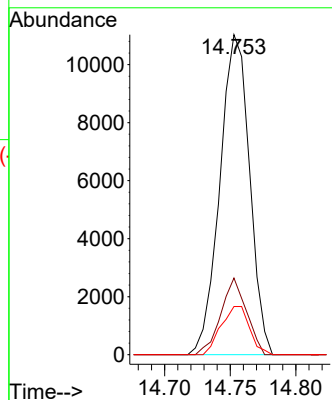
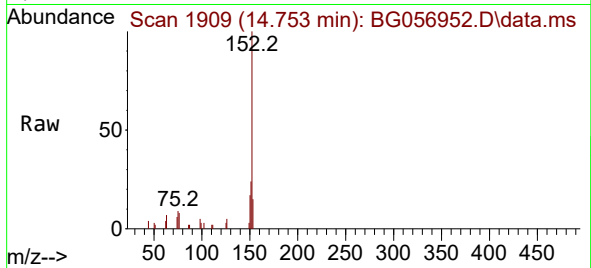




#49
Acenaphthylene
Concen: 3.867 ng
RT: 14.753 min Scan# 1910
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

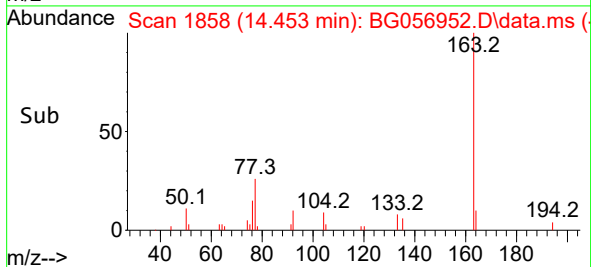
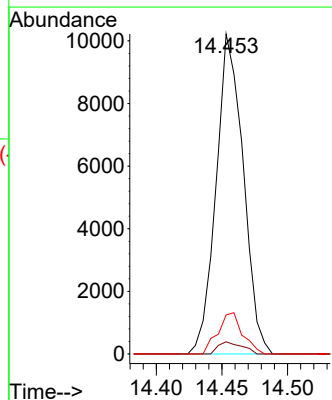
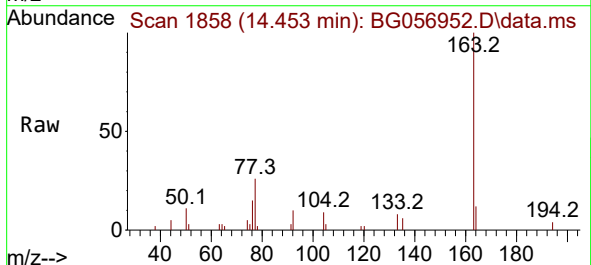
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion:152 Resp: 17354
Ion Ratio Lower Upper
152 100
151 24.0 18.2 27.2
153 15.1 10.5 15.7



#50
Dimethylphthalate
Concen: 3.691 ng
RT: 14.453 min Scan# 1858
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:163 Resp: 14671
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 12.2 8.8 13.2

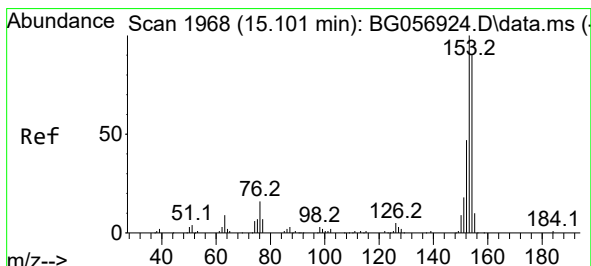
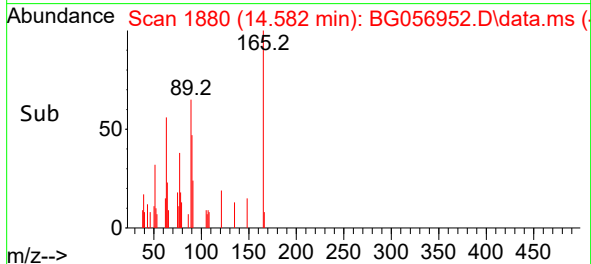
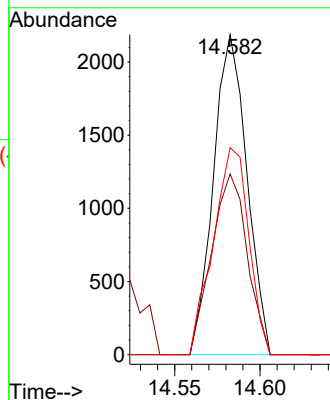
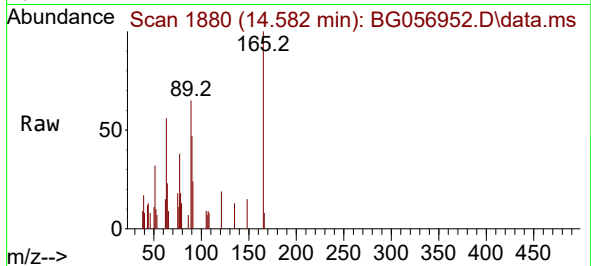




#51
2,6-Dinitrotoluene
Concen: 3.467 ng
RT: 14.582 min Scan# 1881
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

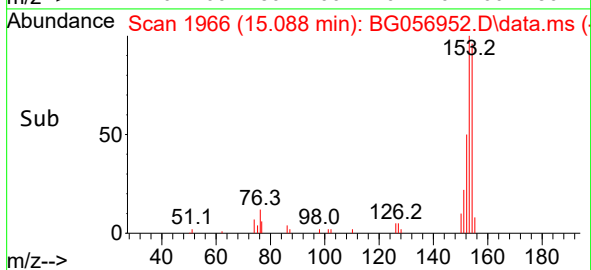
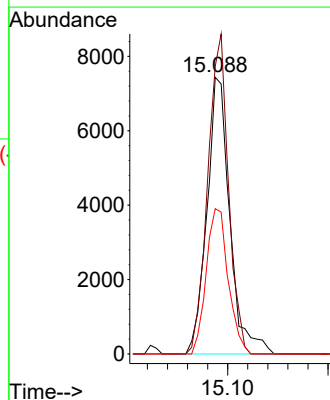
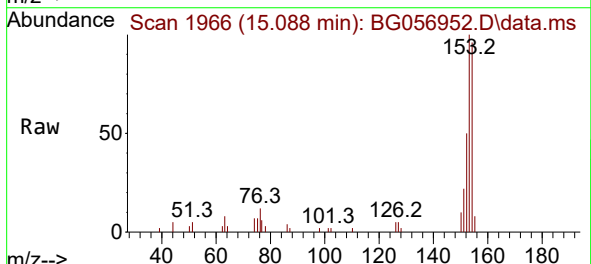
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

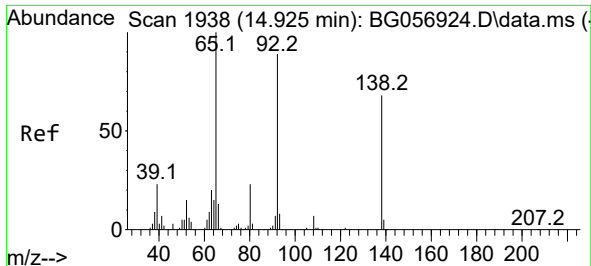
Tgt Ion:	165	Resp:	2978
Ion Ratio	Lower	Upper	
165	100		
63	56.5	53.0	79.6
89	64.7	51.0	76.4



#52
Acenaphthene
Concen: 3.820 ng
RT: 15.088 min Scan# 1966
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:	154	Resp:	11822
Ion Ratio	Lower	Upper	
154	100		
153	104.0	88.9	133.3
152	52.5	41.8	62.8

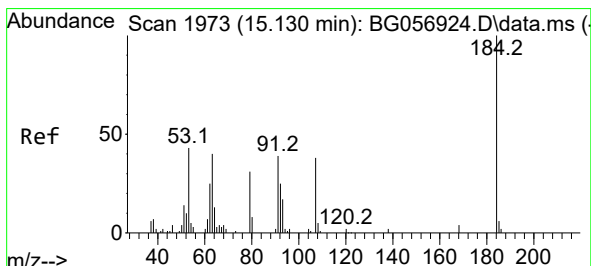
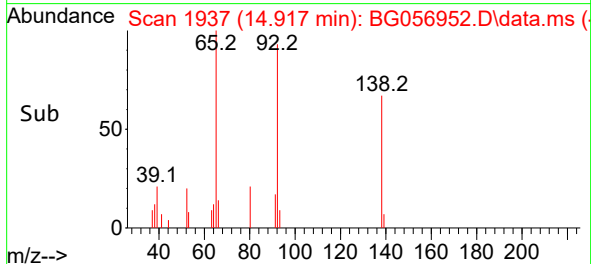
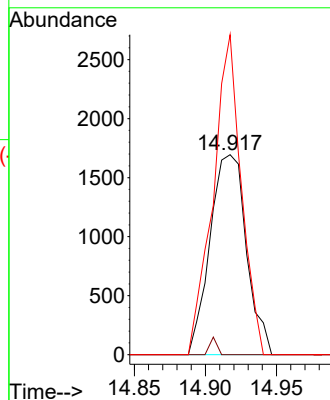
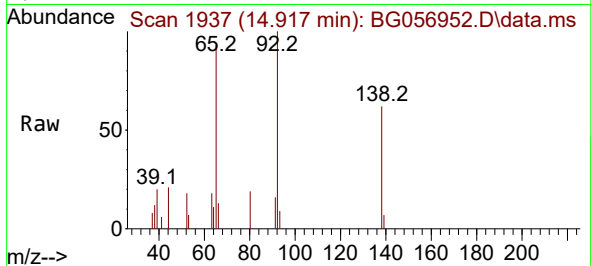




#53
3-Nitroaniline
Concen: 3.550 ng
RT: 14.917 min Scan# 1937
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

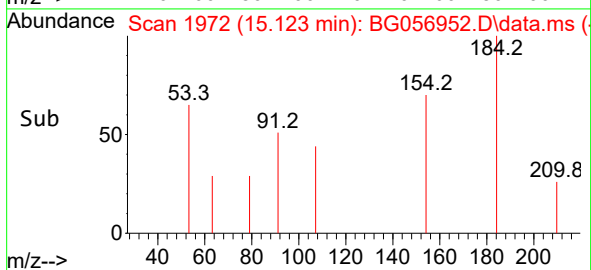
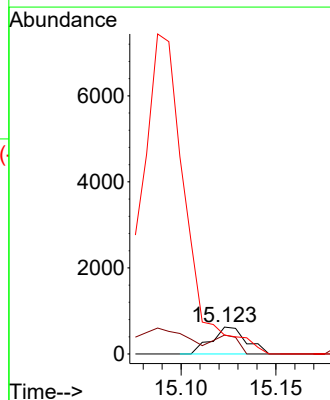
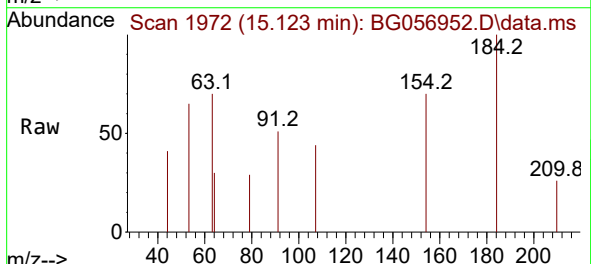
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion:138 Resp: 3018
Ion Ratio Lower Upper
138 100
108 0.0 8.2 12.2#
92 160.0 105.2 157.8#



#54
2,4-Dinitrophenol
Concen: 1.645 ng
RT: 15.123 min Scan# 1972
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:184 Resp: 795
Ion Ratio Lower Upper
184 100
63 70.1 46.5 69.7#
154 70.0 53.5 80.3

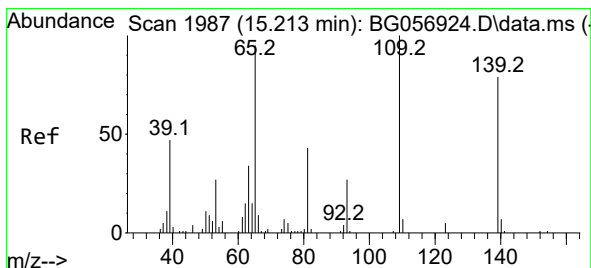
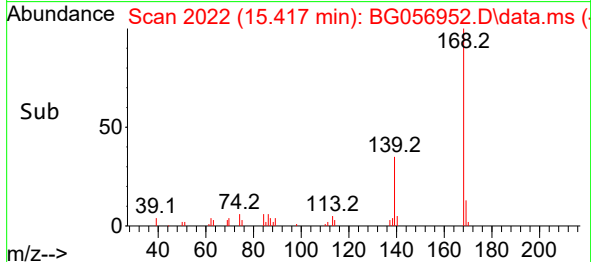
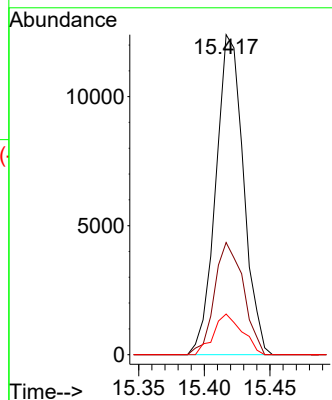
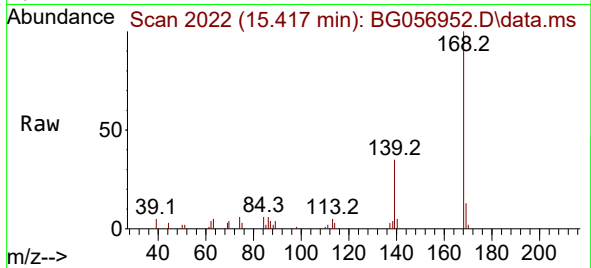




#55
Dibenzenofuran
Concen: 3.909 ng
RT: 15.417 min Scan# 2022
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

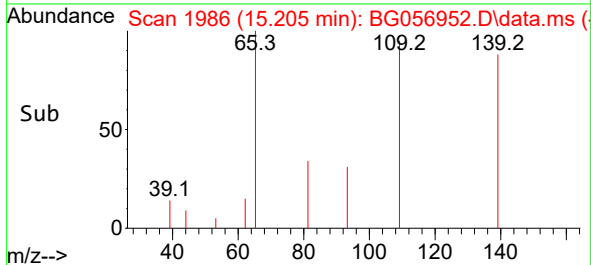
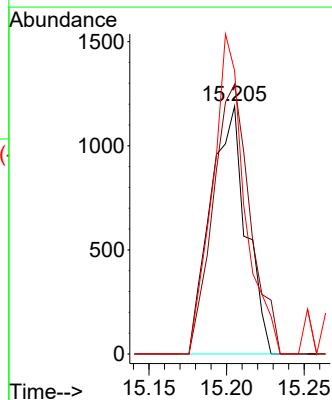
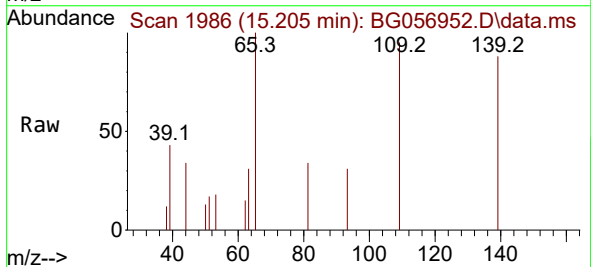
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

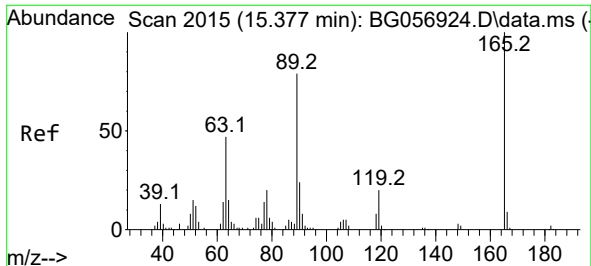
Tgt Ion:168 Resp: 18159
Ion Ratio Lower Upper
168 100
139 35.1 28.9 43.3
169 12.7 9.8 14.6



#56
4-Nitrophenol
Concen: 3.035 ng
RT: 15.205 min Scan# 1986
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:139 Resp: 1908
Ion Ratio Lower Upper
139 100
109 108.9 106.7 146.7
65 114.3 100.5 140.5





#57

2,4-Dinitrotoluene

Concen: 3.375 ng

RT: 15.364 min Scan# 2015

Delta R.T. -0.013 min

Lab File: BG056952.D

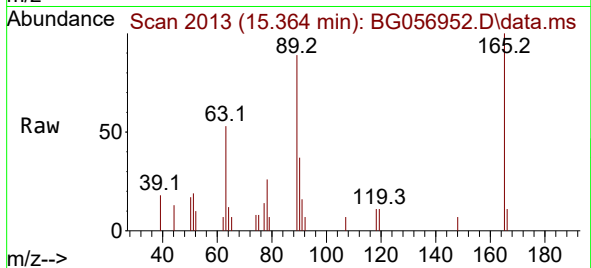
Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



Tgt Ion:165 Resp: 4088

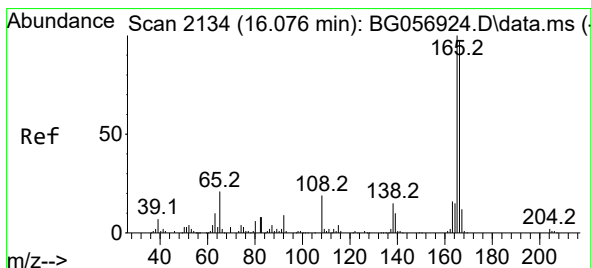
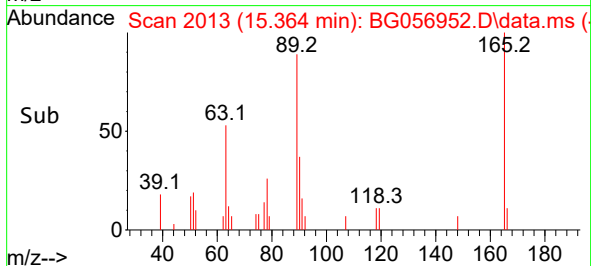
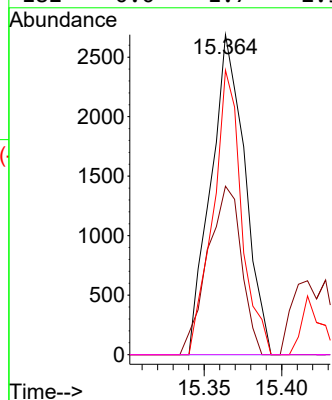
Ion Ratio Lower Upper

165 100

63 52.6 37.7 56.5

89 88.9 63.2 94.8

182 0.0 1.7 2.5#



#58

Fluorene

Concen: 4.053 ng

RT: 16.069 min Scan# 2133

Delta R.T. -0.007 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

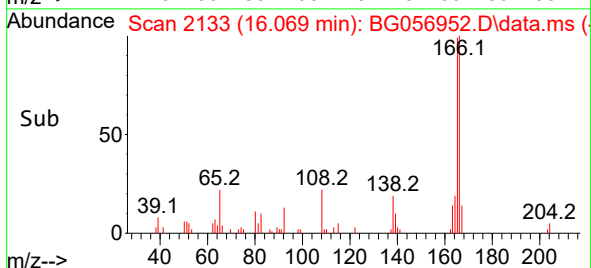
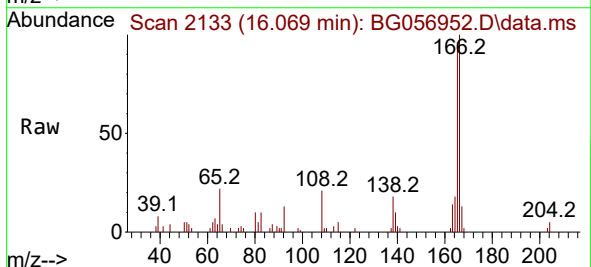
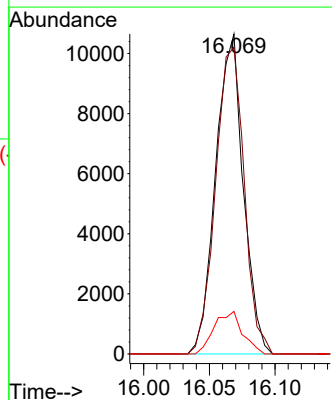
Tgt Ion:166 Resp: 15580

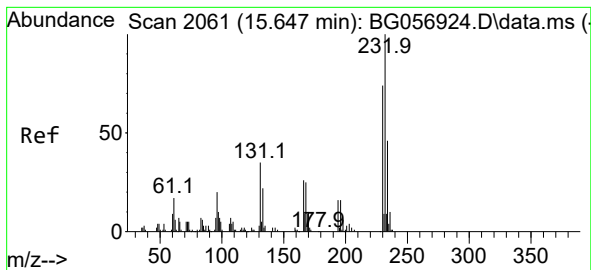
Ion Ratio Lower Upper

166 100

165 95.8 82.6 123.8

167 13.3 10.2 15.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.406 ng

RT: 15.640 min Scan# 2061

Delta R.T. -0.008 min

Lab File: BG056952.D

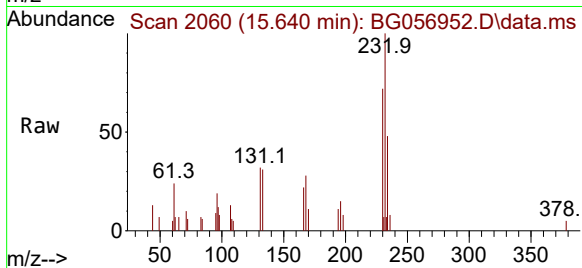
Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



Tgt Ion:232 Resp: 4101

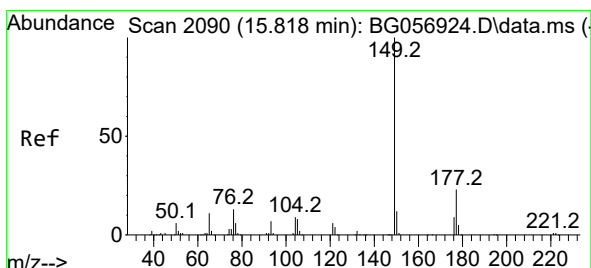
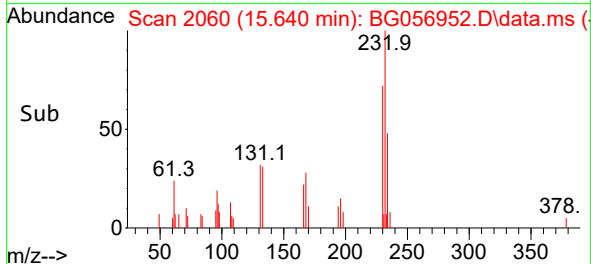
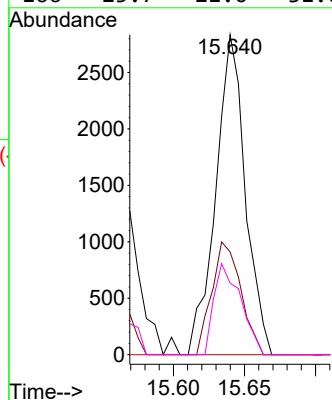
Ion Ratio Lower Upper

232 100

131 34.7 29.3 43.9

130 0.0 1.7 2.5#

166 25.7 21.0 31.6



#60

Diethylphthalate

Concen: 3.939 ng

RT: 15.804 min Scan# 2088

Delta R.T. -0.013 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

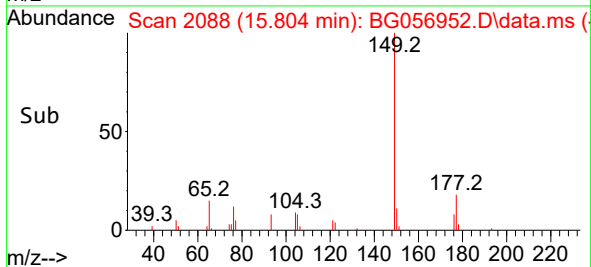
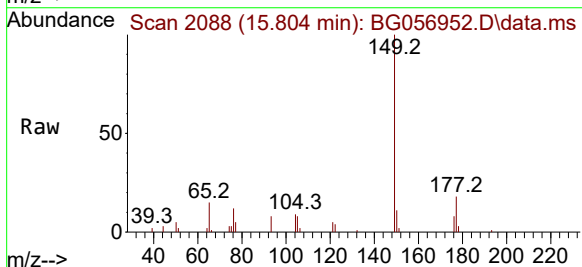
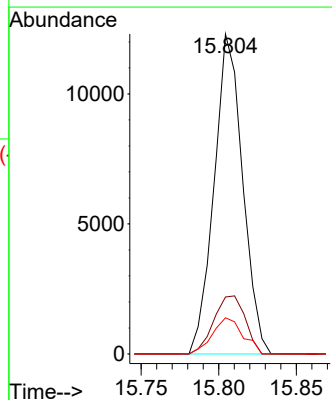
Tgt Ion:149 Resp: 15698

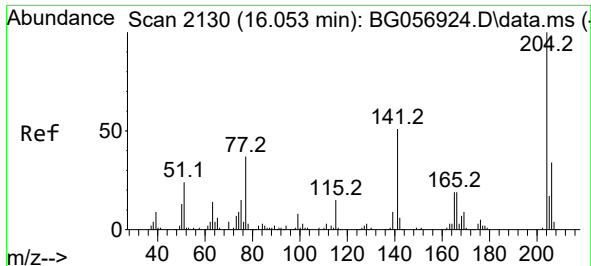
Ion Ratio Lower Upper

149 100

177 17.8 18.8 28.2#

150 11.3 9.4 14.2

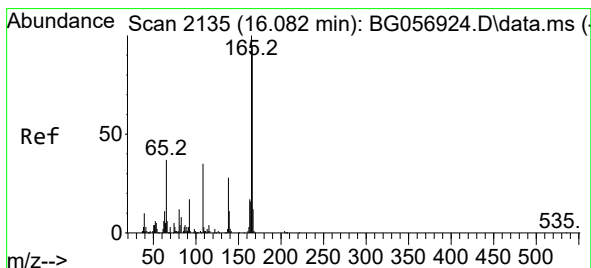
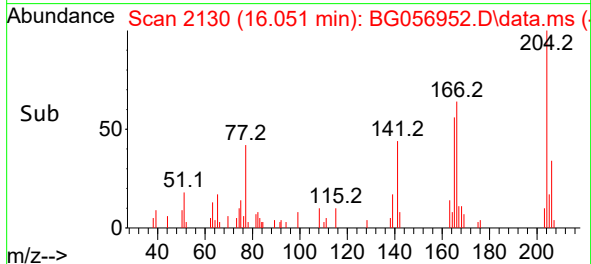
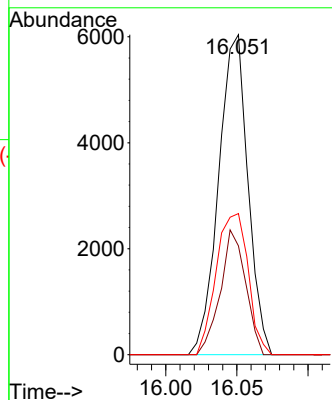
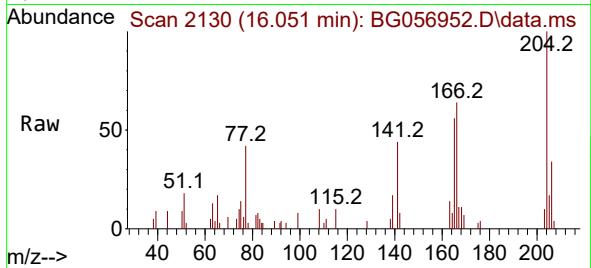




#61
4-Chlorophenyl-phenylether
Concen: 3.838 ng
RT: 16.051 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

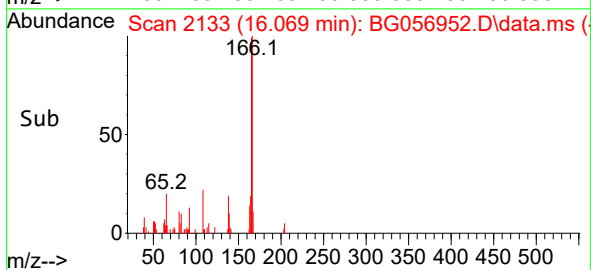
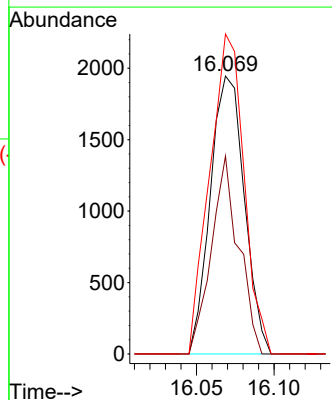
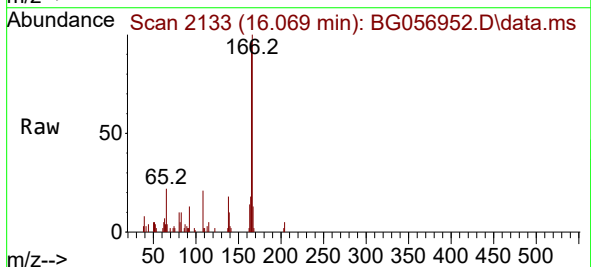
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

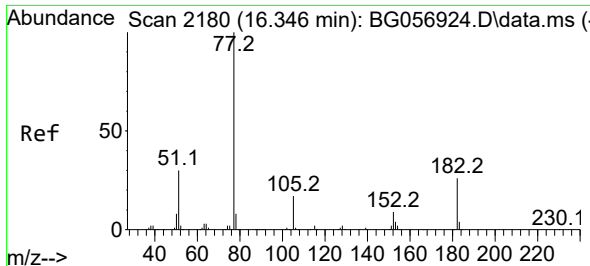
Tgt Ion:204 Resp: 8663
Ion Ratio Lower Upper
204 100
206 34.0 27.2 40.8
141 44.1 40.7 61.1



#62
4-Nitroaniline
Concen: 3.369 ng
RT: 16.069 min Scan# 2133
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:138 Resp: 2967
Ion Ratio Lower Upper
138 100
92 71.2 40.9 80.9
108 115.1 104.3 144.3

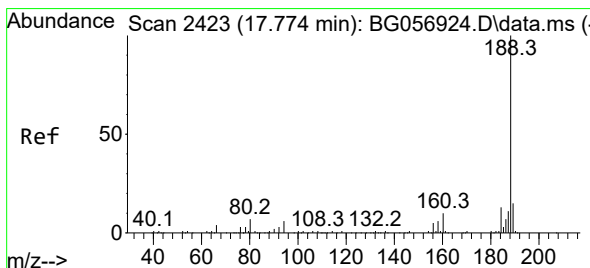
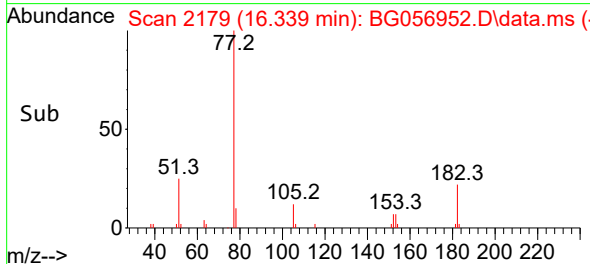
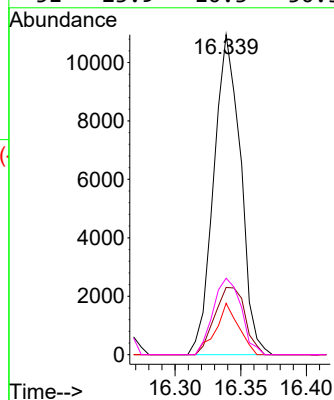
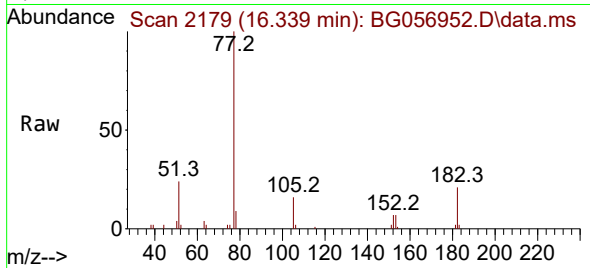




#63
Azobenzene
Concen: 3.908 ng
RT: 16.339 min Scan# 2180
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

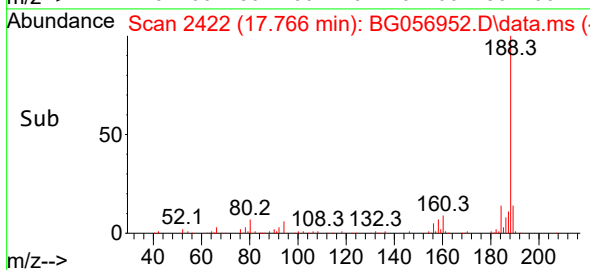
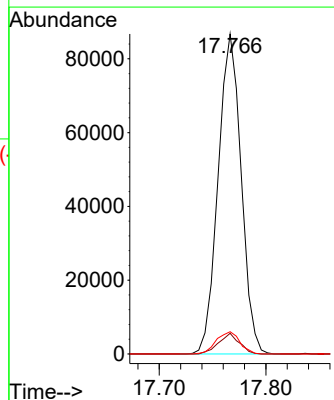
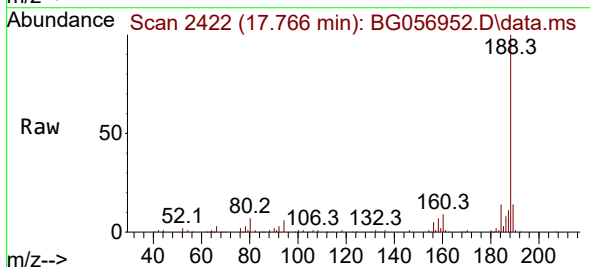
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

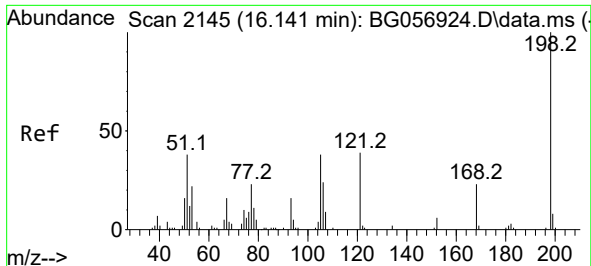
Tgt Ion: 77 Resp: 15519
Ion Ratio Lower Upper
77 100
182 21.0 5.9 45.9
105 16.0 0.0 36.8
51 23.9 10.3 50.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.766 min Scan# 2422
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion: 188 Resp: 129918
Ion Ratio Lower Upper
188 100
94 6.5 4.6 6.8
80 7.0 5.5 8.3

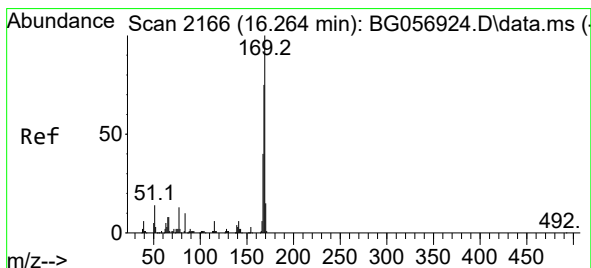
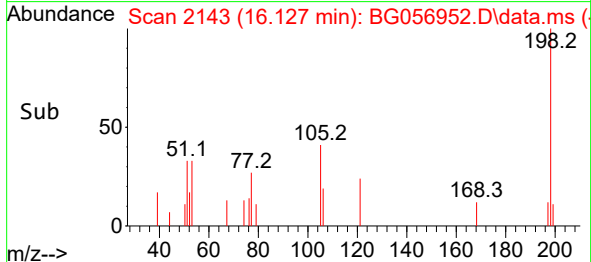
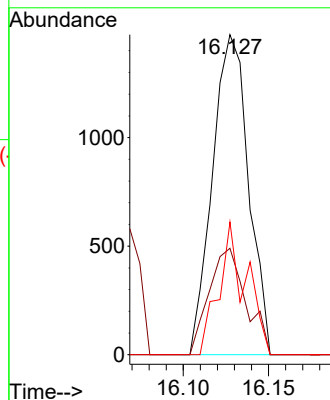
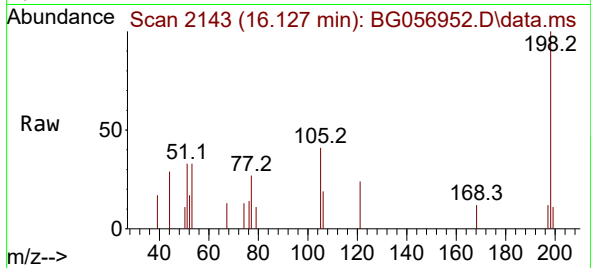




#65
4,6-Dinitro-2-methylphenol
Concen: 2.755 ng
RT: 16.127 min Scan# 2143
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

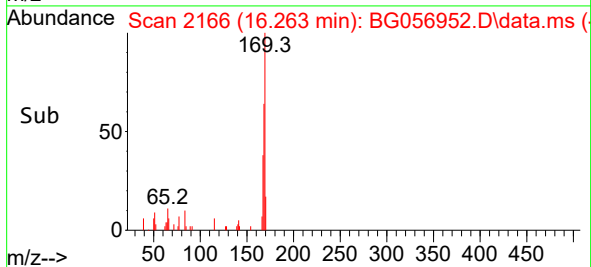
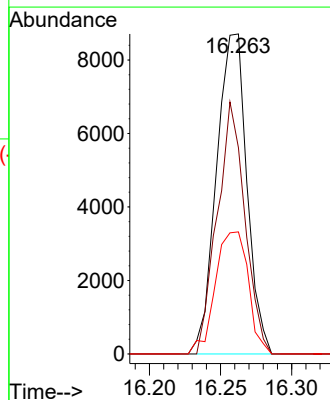
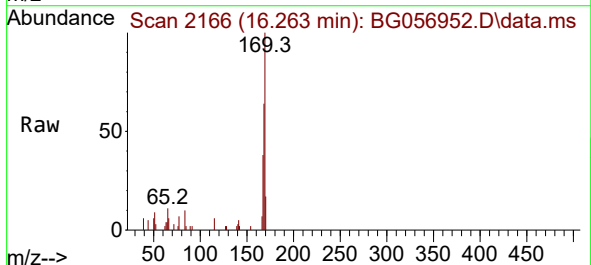
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

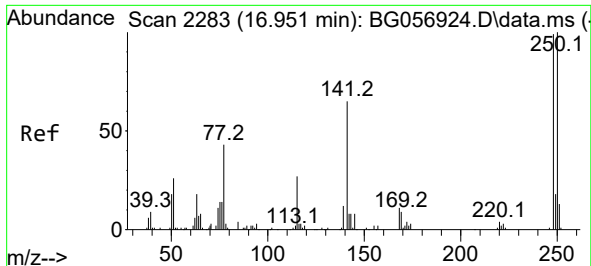
Tgt Ion:198 Resp: 2168
Ion Ratio Lower Upper
198 100
51 33.2 20.5 60.5
105 41.5 18.1 58.1



#66
n-Nitrosodiphenylamine
Concen: 3.718 ng
RT: 16.263 min Scan# 2166
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:169 Resp: 12965
Ion Ratio Lower Upper
169 100
168 64.4 59.6 89.4
167 38.1 31.8 47.8

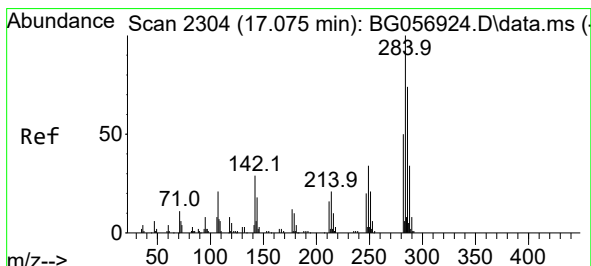
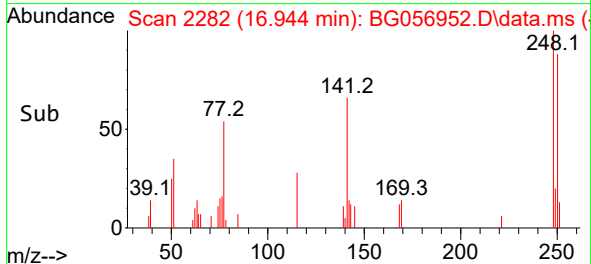
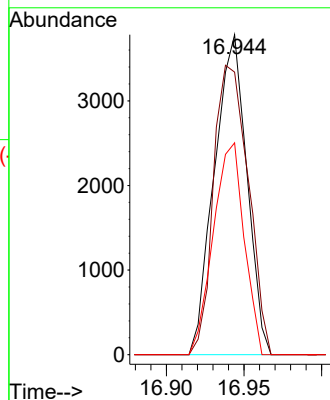
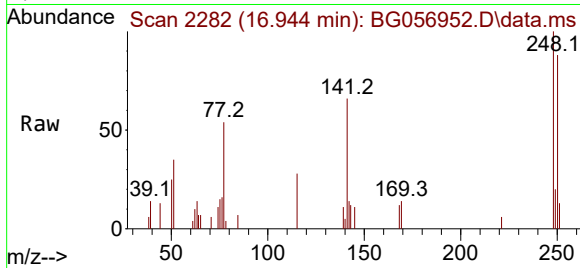




#67
4-Bromophenyl-phenylether
Concen: 3.418 ng
RT: 16.944 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

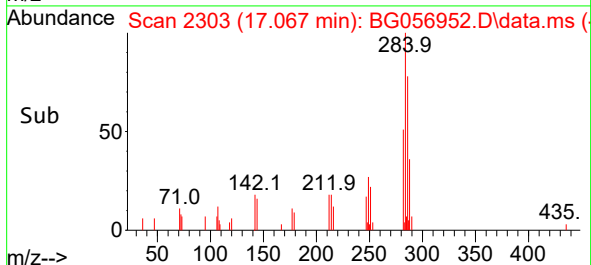
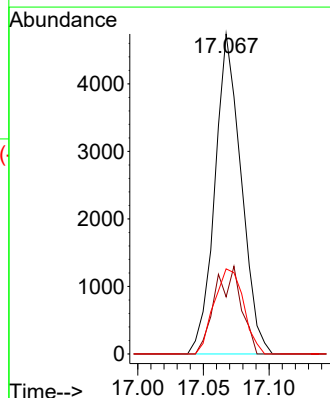
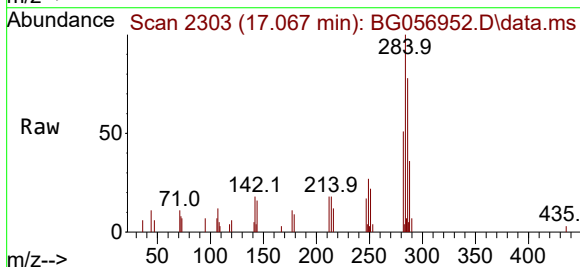
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

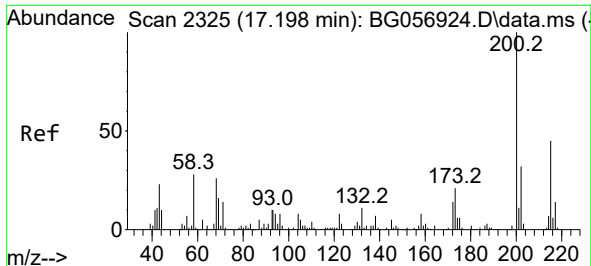
Tgt Ion:248 Resp: 5495
Ion Ratio Lower Upper
248 100
250 88.3 80.5 120.7
141 66.2 52.0 78.0



#68
Hexachlorobenzene
Concen: 4.155 ng
RT: 17.067 min Scan# 2303
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:284 Resp: 6603
Ion Ratio Lower Upper
284 100
142 17.9 23.0 34.4#
249 26.6 27.1 40.7#

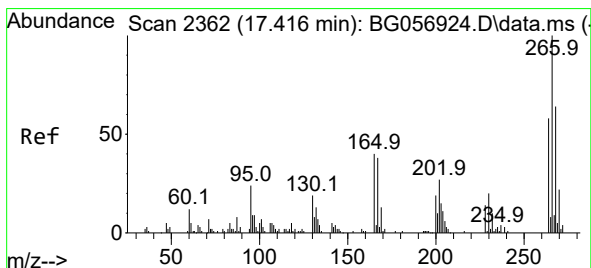
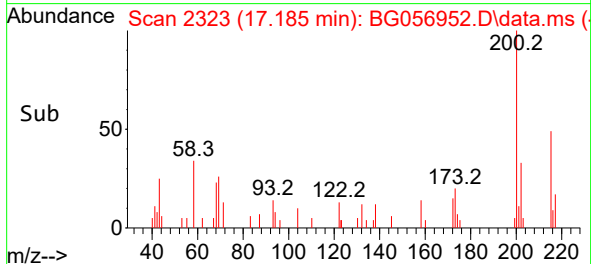
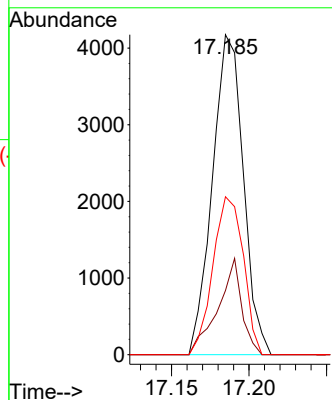
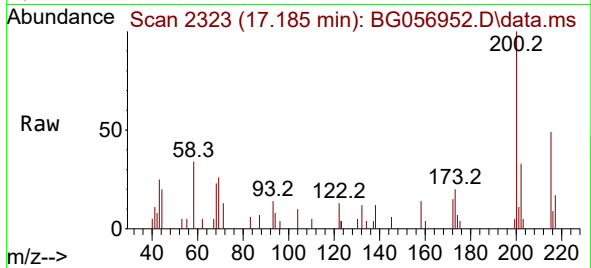




#69
 Atrazine
 Concen: 3.991 ng
 RT: 17.185 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06

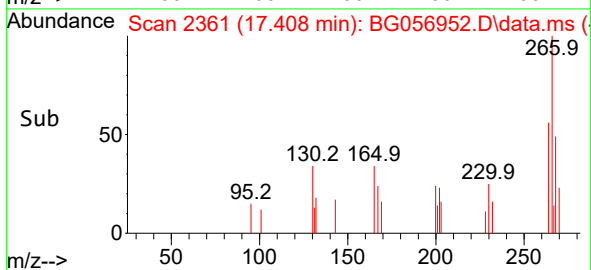
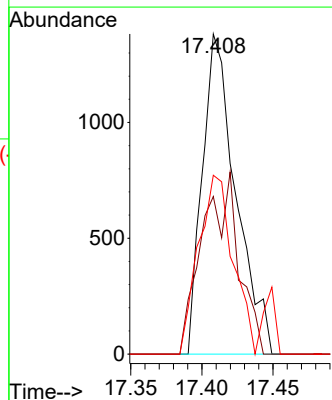
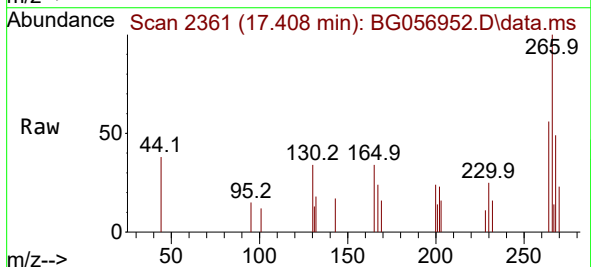
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023

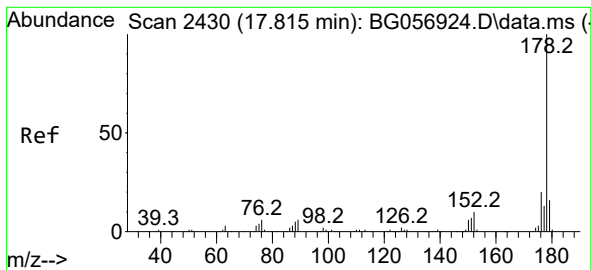
Tgt Ion:200 Resp: 5778
 Ion Ratio Lower Upper
 200 100
 173 20.1 1.0 41.0
 215 49.4 25.0 65.0



#70
 Pentachlorophenol
 Concen: 1.988 ng
 RT: 17.408 min Scan# 2361
 Delta R.T. -0.007 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06

Tgt Ion:266 Resp: 2267
 Ion Ratio Lower Upper
 266 100
 268 49.2 51.0 76.6#
 264 55.9 46.8 70.2





#71

Phenanthrene

Concen: 3.794 ng

RT: 17.807 min Scan# 2429

Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

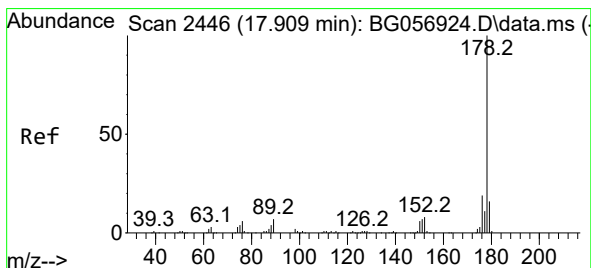
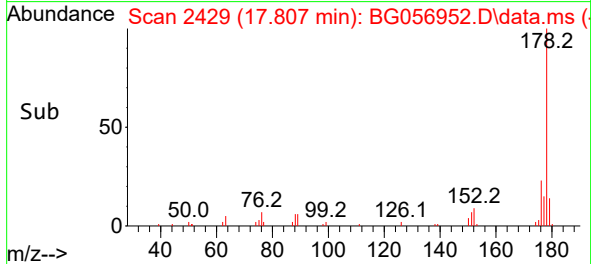
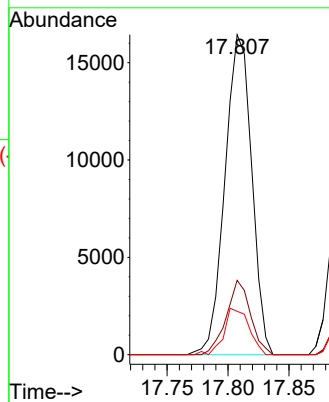
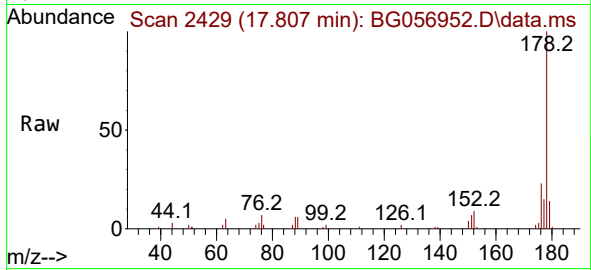
Tgt Ion:178 Resp: 25132

Ion Ratio Lower Upper

178 100

176 23.2 16.2 24.2

179 13.6 12.5 18.7



#72

Anthracene

Concen: 3.821 ng

RT: 17.901 min Scan# 2445

Delta R.T. -0.007 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

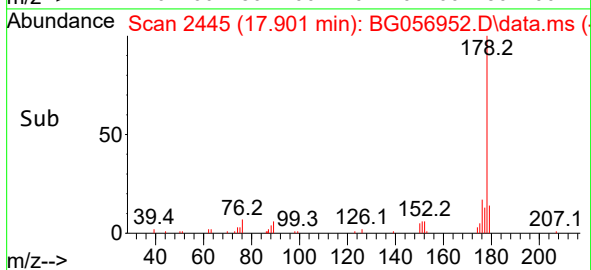
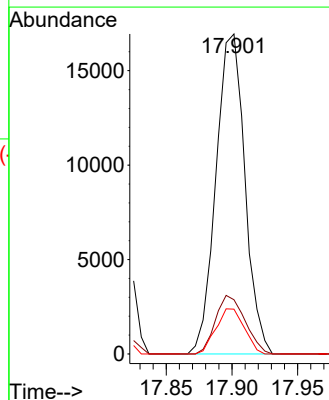
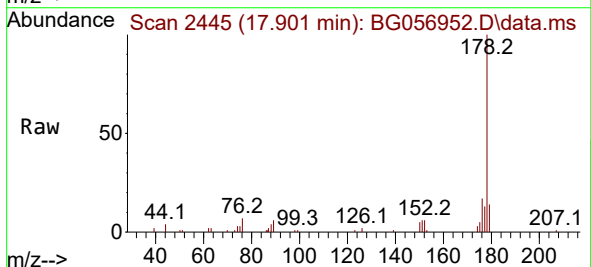
Tgt Ion:178 Resp: 25947

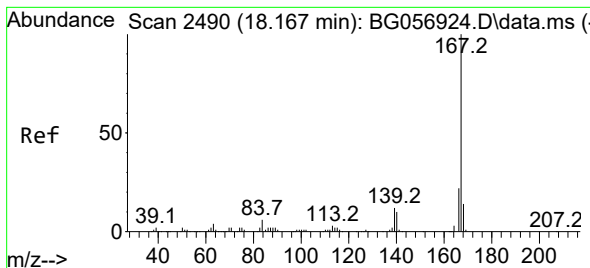
Ion Ratio Lower Upper

178 100

176 16.9 15.4 23.2

179 14.0 12.4 18.6





#73

Carbazole

Concen: 3.907 ng

RT: 18.160 min Scan# 24

Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

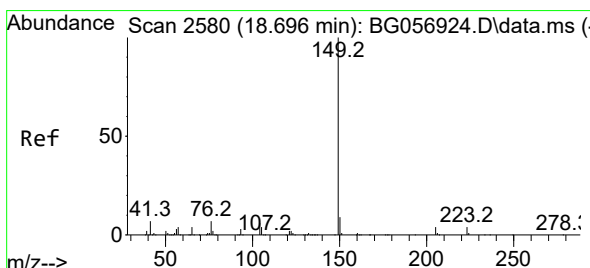
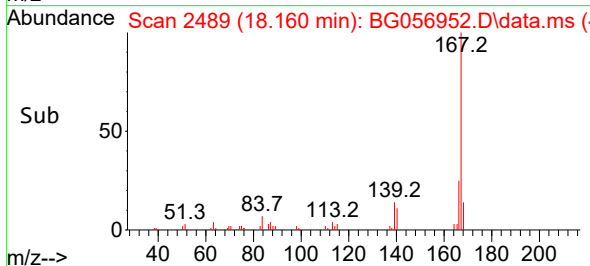
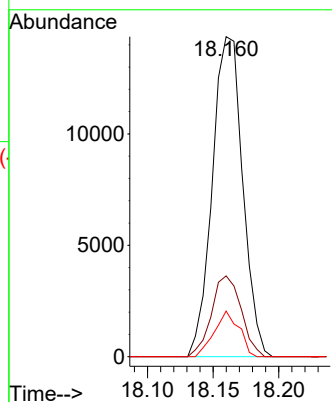
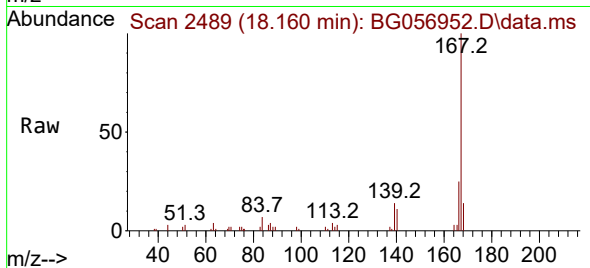
Tgt Ion:167 Resp: 23129

Ion Ratio Lower Upper

167 100

166 25.3 17.9 26.9

139 14.3 9.5 14.3



#74

Di-n-butylphthalate

Concen: 3.566 ng

RT: 18.689 min Scan# 2579

Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

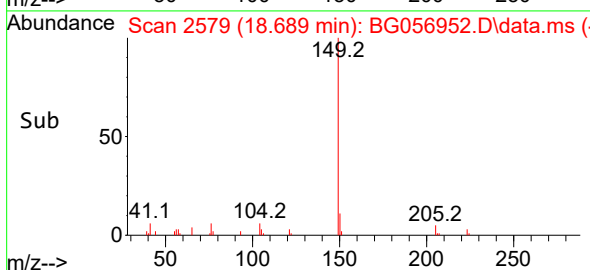
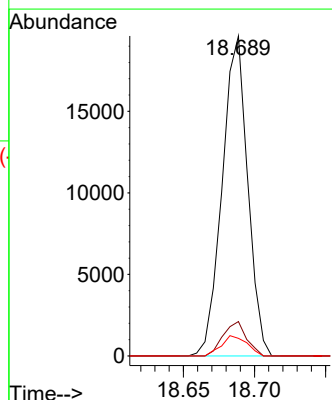
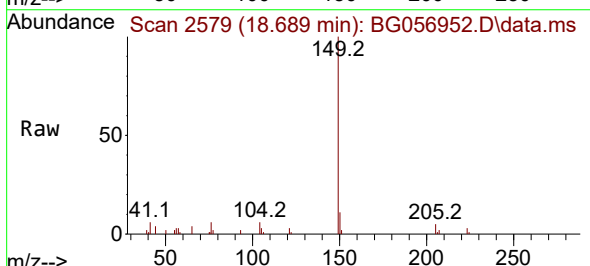
Tgt Ion:149 Resp: 24445

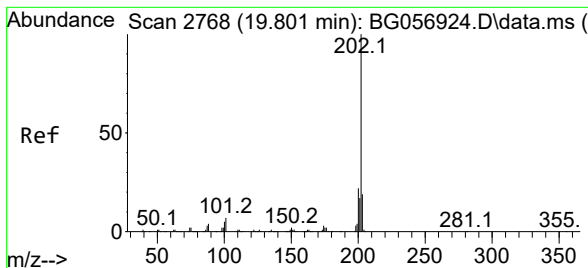
Ion Ratio Lower Upper

149 100

150 10.8 7.4 11.0

104 5.5 4.9 7.3





#75

Fluoranthene

Concen: 3.729 ng

RT: 19.793 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

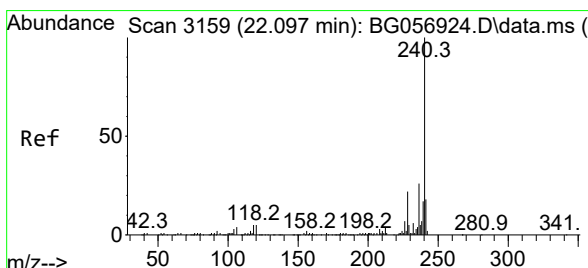
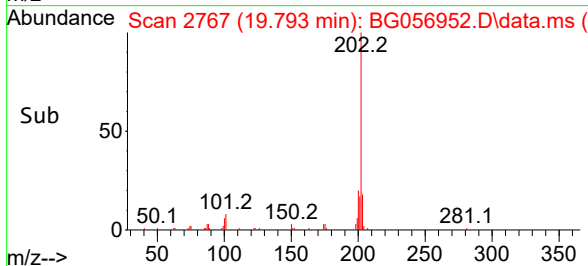
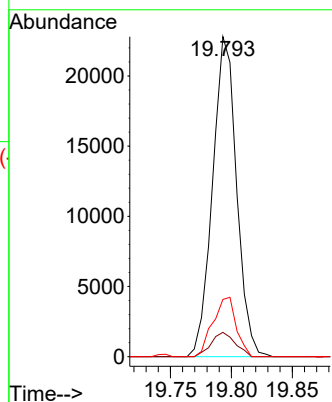
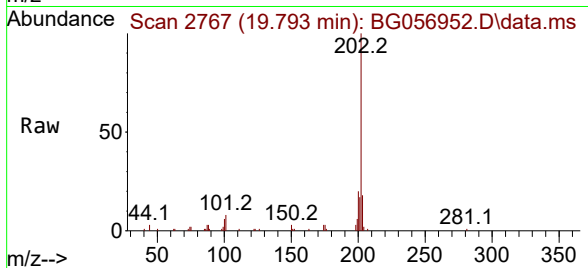
Tgt Ion:202 Resp: 31311

Ion Ratio Lower Upper

202 100

101 7.6 0.0 26.7

203 17.9 0.0 39.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.090 min Scan# 3158

Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

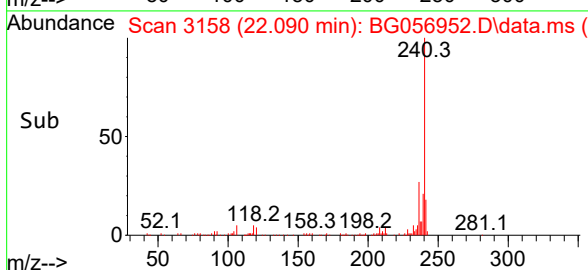
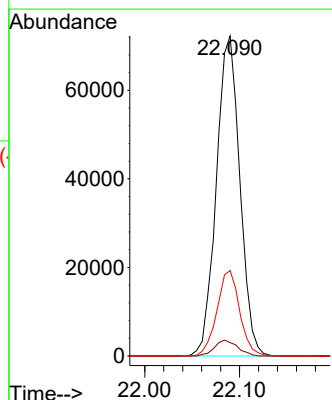
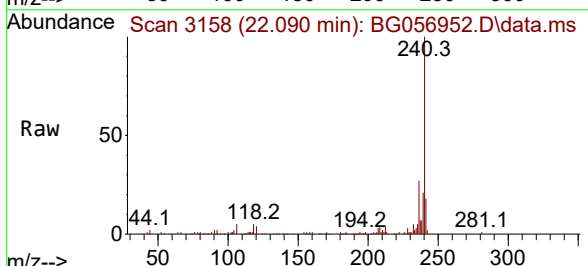
Tgt Ion:240 Resp: 124485

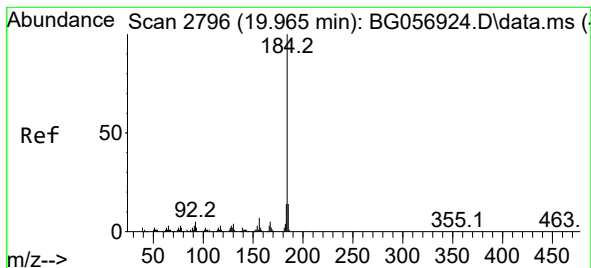
Ion Ratio Lower Upper

240 100

120 4.2 3.8 5.6

236 26.7 21.0 31.6





#77

Benzidine

Concen: 4.837 ng

RT: 19.958 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

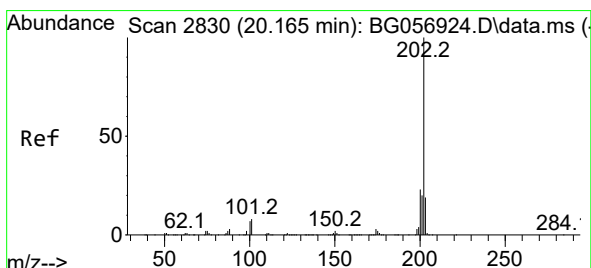
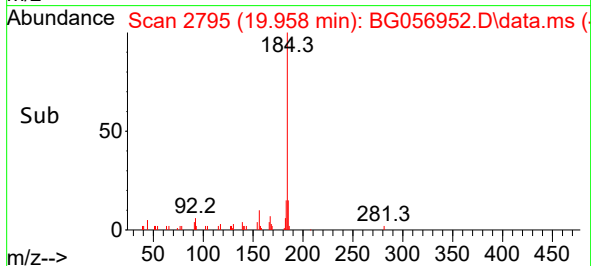
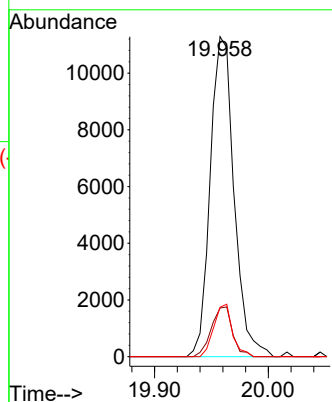
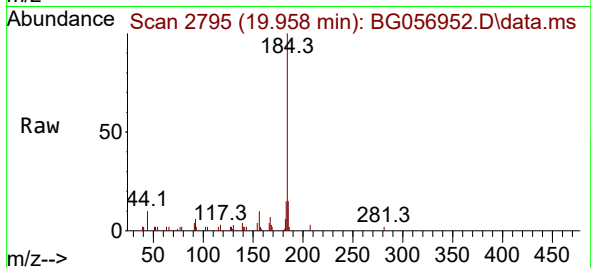
Tgt Ion:184 Resp: 16458

Ion Ratio Lower Upper

184 100

185 15.2 11.0 16.4

183 15.4 11.4 17.0



#78

Pyrene

Concen: 3.691 ng

RT: 20.157 min Scan# 2829

Delta R.T. -0.007 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

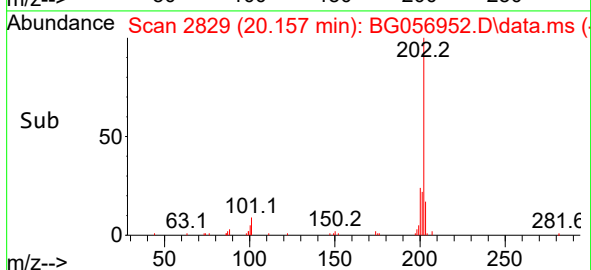
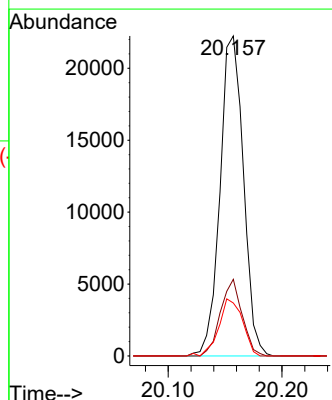
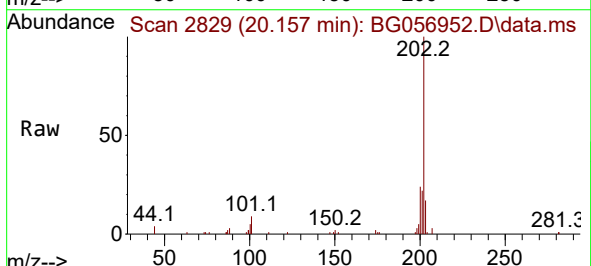
Tgt Ion:202 Resp: 31781

Ion Ratio Lower Upper

202 100

200 24.0 18.7 28.1

203 16.6 15.4 23.2

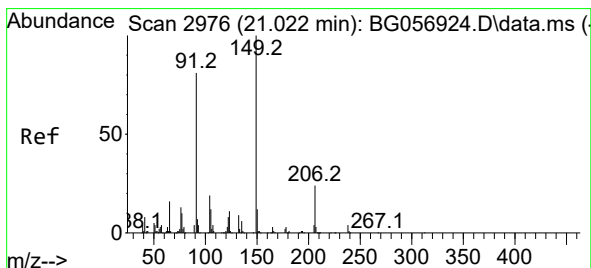
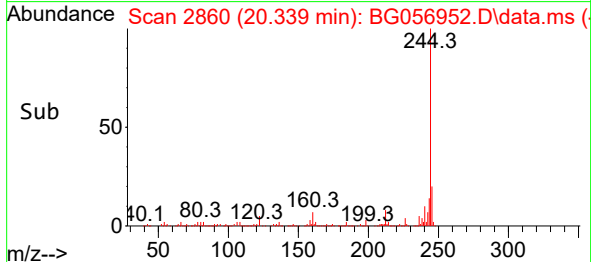
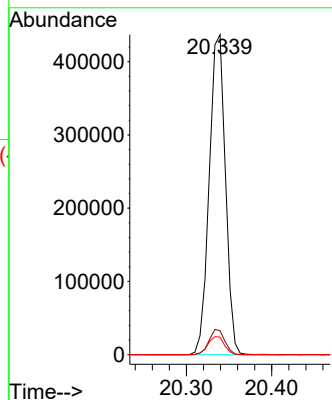
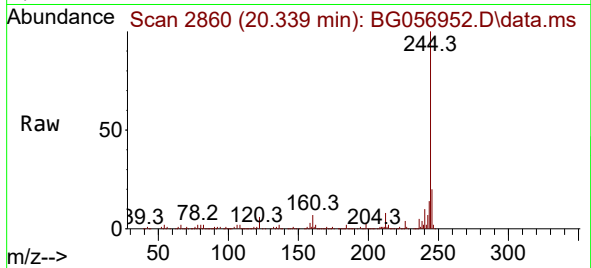




#79
 Terphenyl-d14
 Concen: 78.136 ng
 RT: 20.339 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06

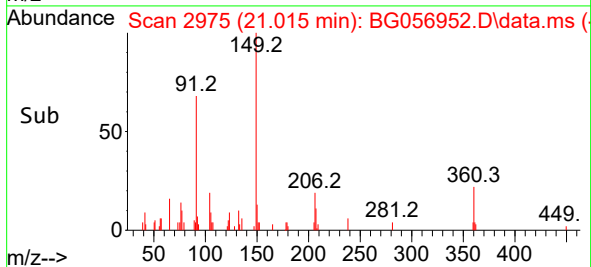
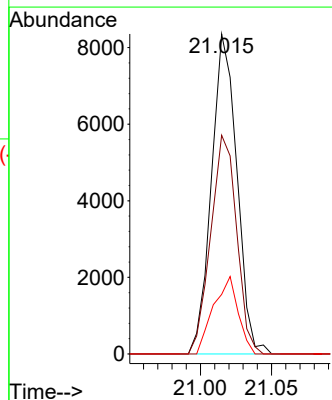
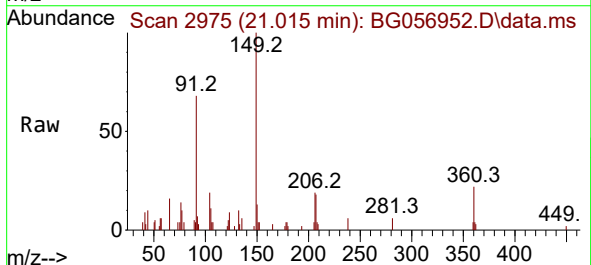
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023

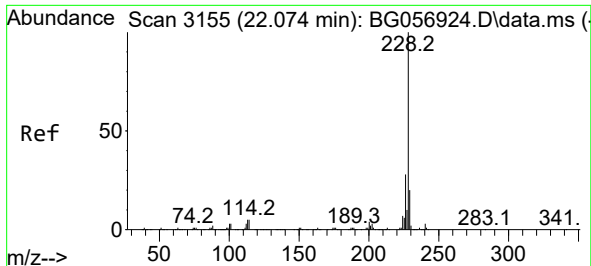
Tgt Ion:244 Resp: 574812
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 5.5 5.0 7.4



#80
 Butylbenzylphthalate
 Concen: 3.502 ng
 RT: 21.015 min Scan# 2975
 Delta R.T. -0.008 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06

Tgt Ion:149 Resp: 10375
 Ion Ratio Lower Upper
 149 100
 91 68.4 64.4 96.6
 206 18.6 18.9 28.3#

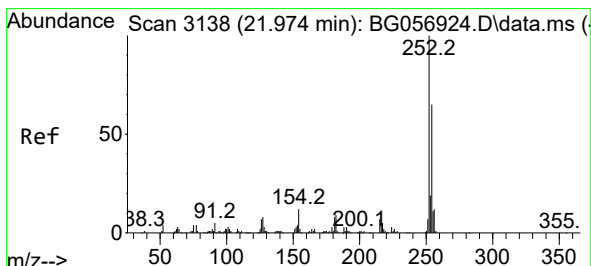
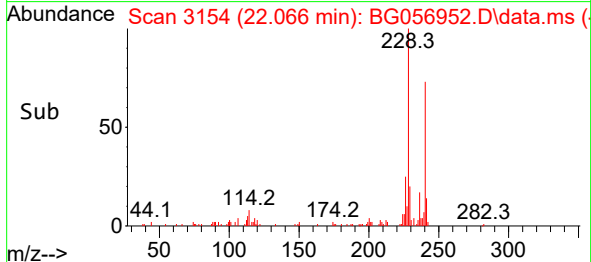
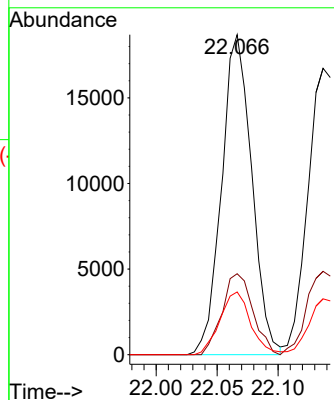
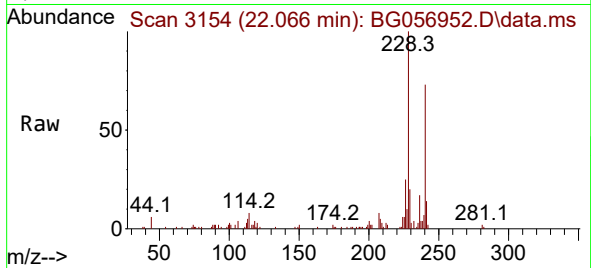




#81
Benzo(a)anthracene
Concen: 3.731 ng
RT: 22.066 min Scan# 3155
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

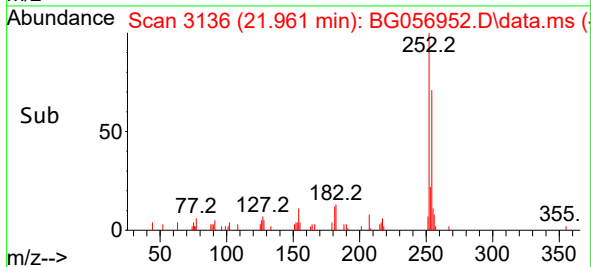
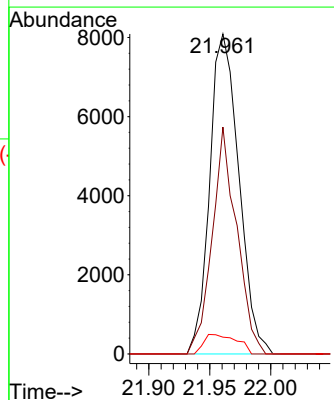
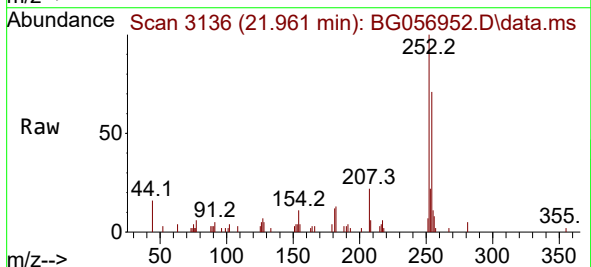
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

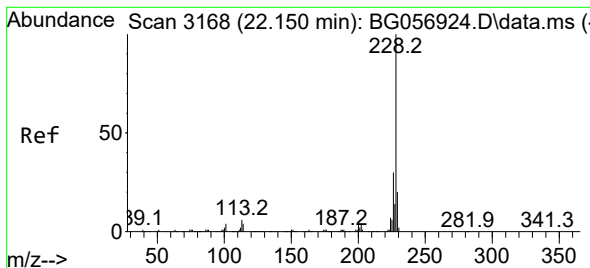
Tgt Ion:228 Resp: 32144
Ion Ratio Lower Upper
228 100
226 25.3 22.1 33.1
229 19.6 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 4.614 ng
RT: 21.961 min Scan# 3136
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:252 Resp: 13421
Ion Ratio Lower Upper
252 100
254 70.9 51.7 77.5
126 5.2 5.6 8.4#





#83

Chrysene

Concen: 3.683 ng

RT: 22.137 min Scan# 3166

Delta R.T. -0.013 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

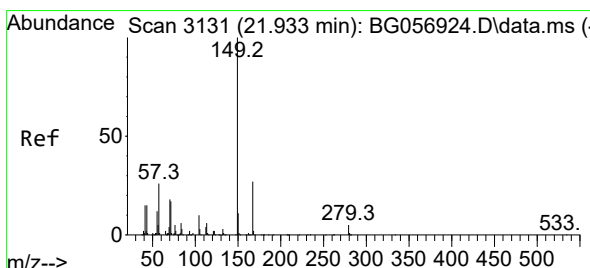
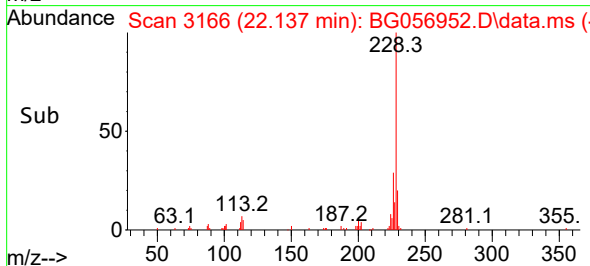
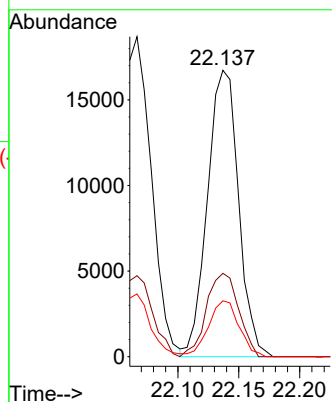
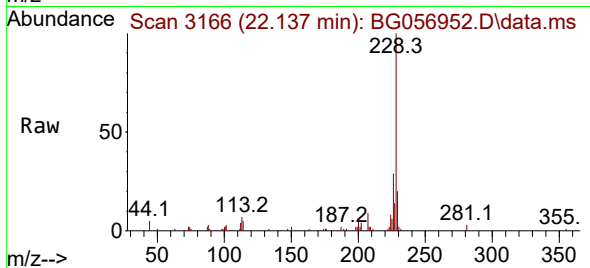
Tgt Ion:228 Resp: 29707

Ion Ratio Lower Upper

228 100

226 29.1 24.1 36.1

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.555 ng

RT: 21.920 min Scan# 3129

Delta R.T. -0.013 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

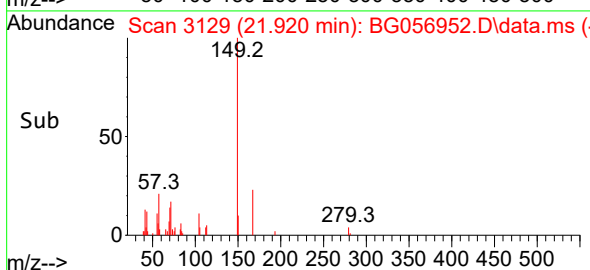
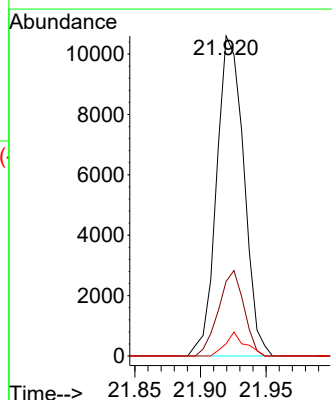
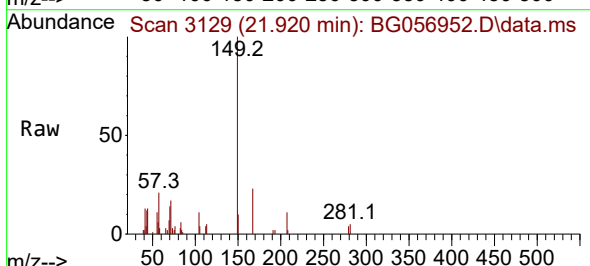
Tgt Ion:149 Resp: 15253

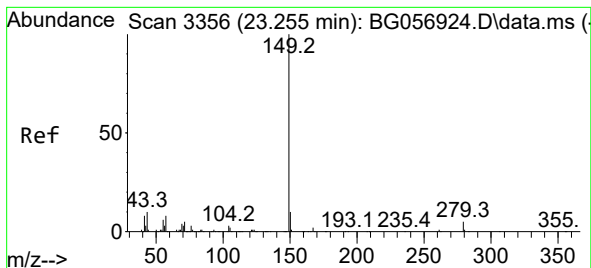
Ion Ratio Lower Upper

149 100

167 23.3 21.4 32.2

279 3.8 3.9 5.9#





#85

Di-n-octyl phthalate

Concen: 3.488 ng

RT: 23.241 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

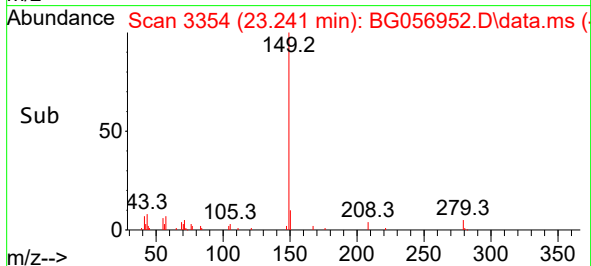
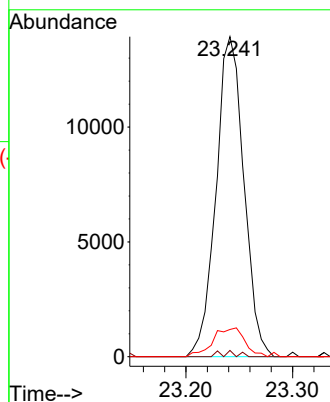
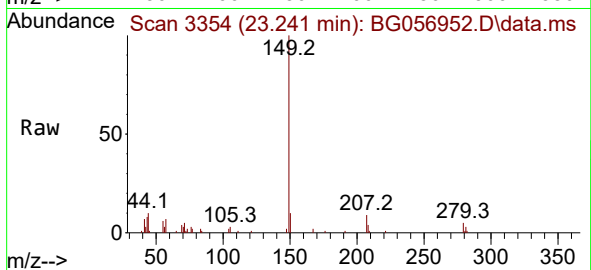
Tgt Ion:149 Resp: 25216

Ion Ratio Lower Upper

149 100

167 0.4 1.3 1.9#

43 10.3 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.632 min Scan# 3761

Delta R.T. -0.013 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

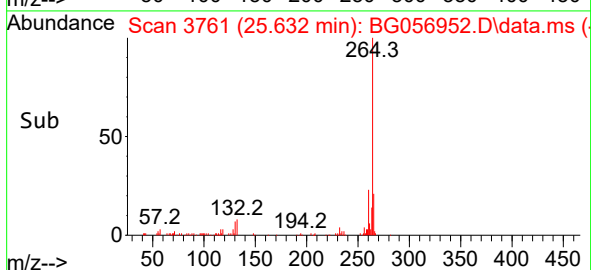
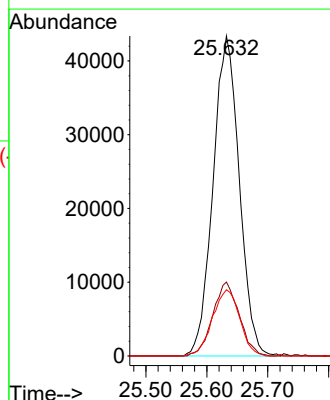
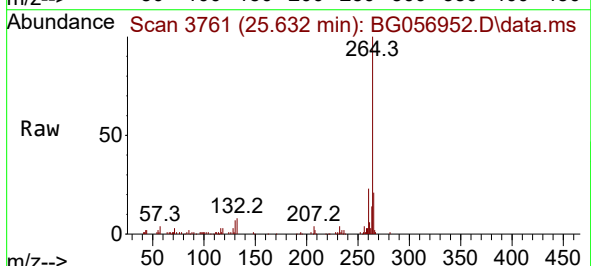
Tgt Ion:264 Resp: 129770

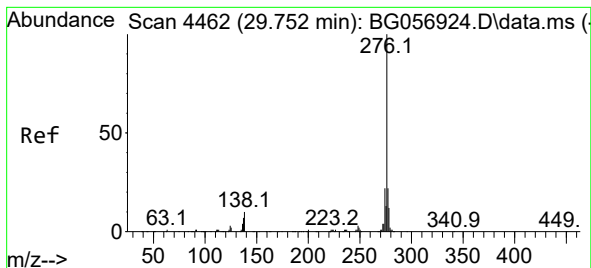
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.4

265 20.7 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.754 ng

RT: 29.709 min Scan# 4462

Delta R.T. -0.043 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

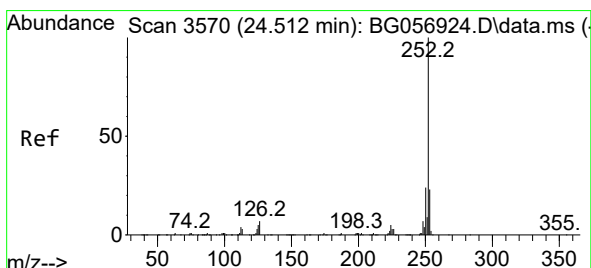
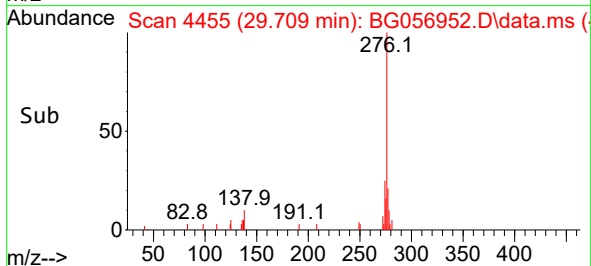
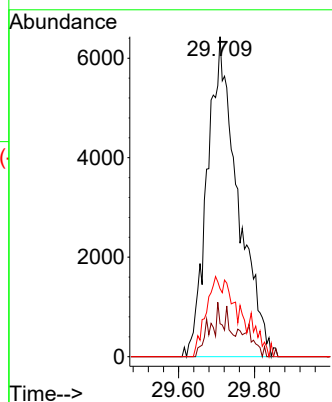
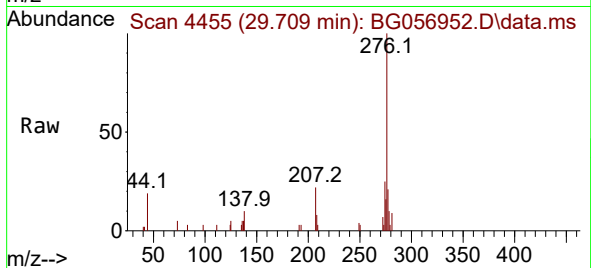
Tgt Ion:276 Resp: 36004

Ion Ratio Lower Upper

276 100

138 1.3 7.7 11.5#

277 12.8 21.0 31.4#



#88

Benzo(b)fluoranthene

Concen: 3.886 ng

RT: 24.493 min Scan# 3567

Delta R.T. -0.019 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

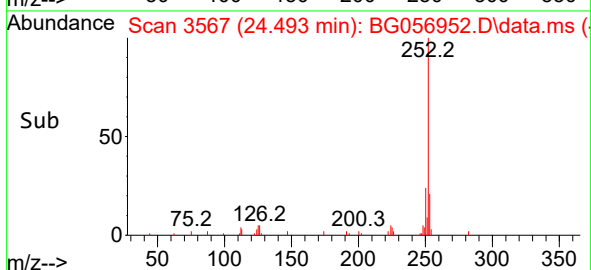
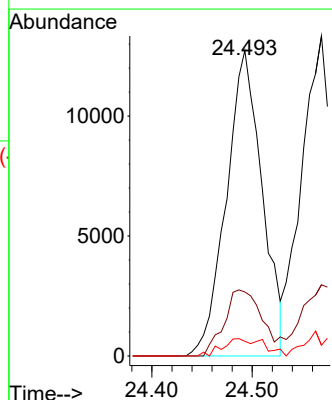
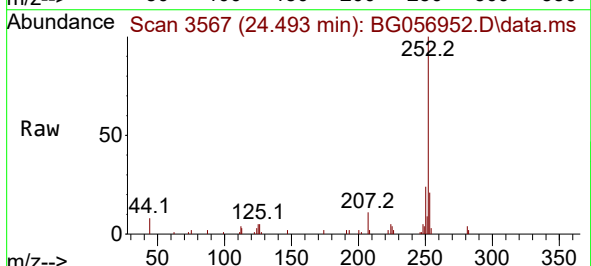
Tgt Ion:252 Resp: 31533

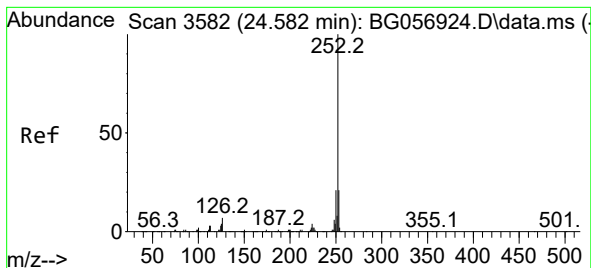
Ion Ratio Lower Upper

252 100

253 21.0 18.1 27.1

125 4.8 4.2 6.4





#89

Benzo(k)fluoranthene

Concen: 3.892 ng

RT: 24.493 min Scan# 31

Delta R.T. -0.090 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

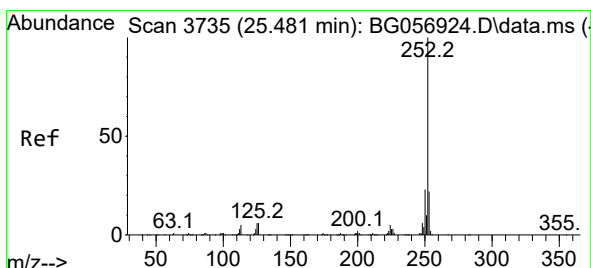
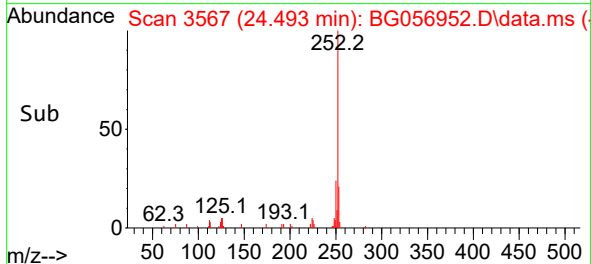
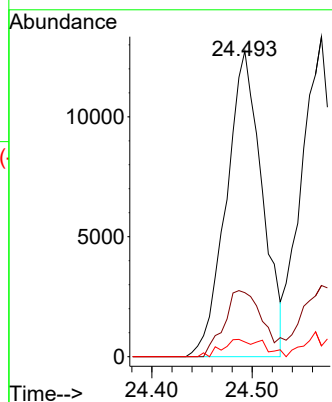
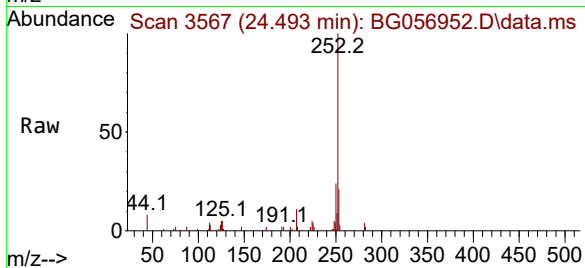
Tgt Ion:252 Resp: 31533

Ion Ratio Lower Upper

252 100

253 21.0 17.1 25.7

125 4.8 3.8 5.6



#90

Benzo(a)pyrene

Concen: 3.493 ng

RT: 25.462 min Scan# 3732

Delta R.T. -0.019 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

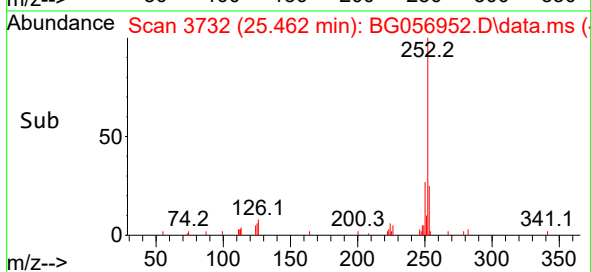
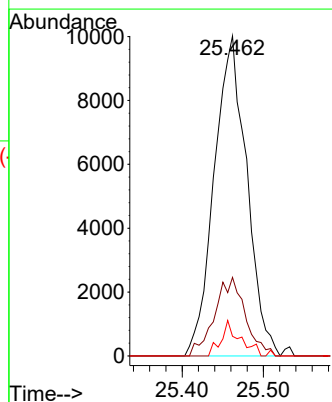
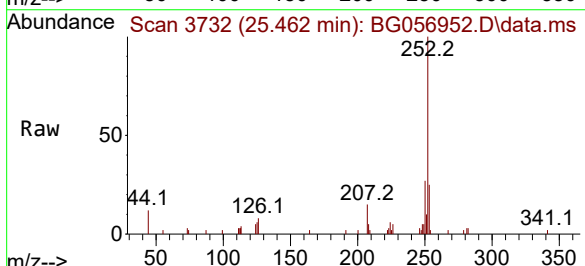
Tgt Ion:252 Resp: 27851

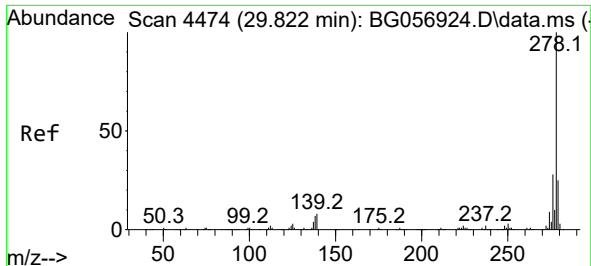
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 6.1 4.5 6.7

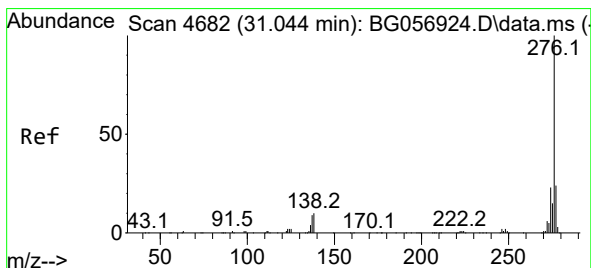
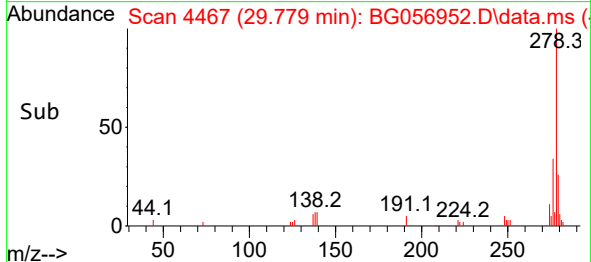
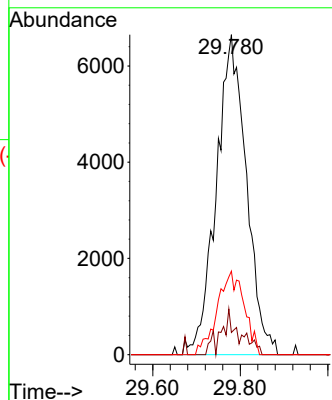
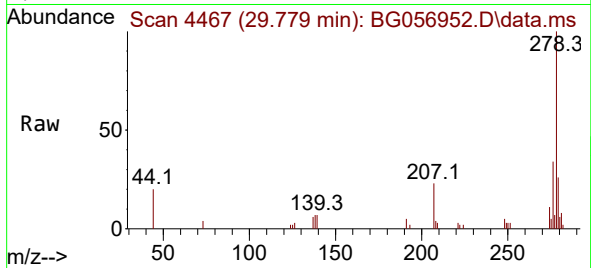




#91
Dibenzo(a,h)anthracene
Concen: 4.029 ng
RT: 29.779 min Scan# 4474
Delta R.T. -0.043 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023

Tgt Ion:278 Resp: 31759
Ion Ratio Lower Upper
278 100
139 6.9 6.4 9.6
279 26.1 20.2 30.2



#92
Benzo(g,h,i)perylene
Concen: 3.754 ng
RT: 30.984 min Scan# 4672
Delta R.T. -0.060 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:276 Resp: 28980
Ion Ratio Lower Upper
276 100
277 27.0 19.1 28.7
138 12.5 8.2 12.2#

