

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
 Data File : BG056943.D
 Acq On : 31 Mar 2023 14:10
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Apr 01 02:34:23 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	8.419	152	15308	20.000	ng	0.00
21) Naphthalene-d8	11.257	136	61823	20.000	ng	# 0.00
39) Acenaphthene-d10	15.034	164	50520	20.000	ng	0.00
64) Phenanthrene-d10	17.771	188	124797	20.000	ng	0.00
76) Chrysene-d12	22.095	240	121746	20.000	ng	0.00
86) Perylene-d12	25.643	264	131444	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	101797	106.428	ng	0.00
7) Phenol-d6	7.538	99	151372	105.815	ng	0.00
23) Nitrobenzene-d5	9.588	82	117586	77.824	ng	0.00
42) 2,4,6-Tribromophenol	16.508	330	85240	105.616	ng	0.00
45) 2-Fluorobiphenyl	13.659	172	286155	76.807	ng	0.00
79) Terphenyl-d14	20.344	244	557427	77.477	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.726	88	1934	4.613	ng	90
3) Pyridine	4.160	79	4019	2.976	ng	93
4) n-Nitrosodimethylamine	4.055	42	2243	3.612	ng	# 79
6) Aniline	7.726	93	7334	4.010	ng	# 91
8) 2-Chlorophenol	7.967	128	3368	3.535	ng	91
9) Benzaldehyde	7.532	77	4650	5.182	ng	95
10) Phenol	7.568	94	5682	4.009	ng	83
11) bis(2-Chloroethyl)ether	7.808	93	3680	3.645	ng	# 77
12) 1,3-Dichlorobenzene	8.302	146	4120	3.914	ng	# 78
13) 1,4-Dichlorobenzene	8.449	146	4486	4.222	ng	90
14) 1,2-Dichlorobenzene	8.449	146	4486	4.370	ng	89
15) Benzyl Alcohol	8.643	79	4077	3.430	ng	# 87
16) 2,2'-oxybis(1-Chloropr...	8.930	45	4832	3.971	ng	88
17) 2-Methylphenol	8.836	107	3640	3.599	ng	97
18) Hexachloroethane	9.530	117	1516	3.904	ng	# 82
19) n-Nitroso-di-n-propyla...	9.207	70	3957	3.867	ng	# 88
20) 3+4-Methylphenols	9.171	107	4817	3.406	ng	99
22) Acetophenone	9.242	105	7102	3.861	ng	# 97
24) Nitrobenzene	9.635	77	6032	3.905	ng	97
25) Isophorone	10.146	82	10882	3.782	ng	97
26) 2-Nitrophenol	10.358	139	2272	3.810	ng	# 82
27) 2,4-Dimethylphenol	10.393	122	3902	3.707	ng	94
28) bis(2-Chloroethoxy)met...	10.634	93	5665	3.933	ng	93
29) 2,4-Dichlorophenol	10.887	162	4104	3.625	ng	83
30) 1,2,4-Trichlorobenzene	11.116	180	5119	4.255	ng	# 87
31) Naphthalene	11.310	128	12659	3.757	ng	# 93
32) Benzoic acid	10.458	122	750	1.037	ng	# 60
33) 4-Chloroaniline	11.409	127	5456	3.585	ng	# 89
34) Hexachlorobutadiene	11.586	225	3595	3.978	ng	85
35) Caprolactam	12.132	113	1228	3.145	ng	# 60
36) 4-Chloro-3-methylphenol	12.484	107	4647	3.670	ng	95
37) 2-Methylnaphthalene	12.878	142	8976	3.356	ng	88
38) 1-Methylnaphthalene	13.101	142	9077	3.614	ng	91
40) 1,2,4,5-Tetrachloroben...	13.248	216	6590	3.762	ng	99
41) Hexachlorocyclopentadiene	13.219	237	3031	3.140	ng	# 75
43) 2,4,6-Trichlorophenol	13.471	196	3788	3.388	ng	97

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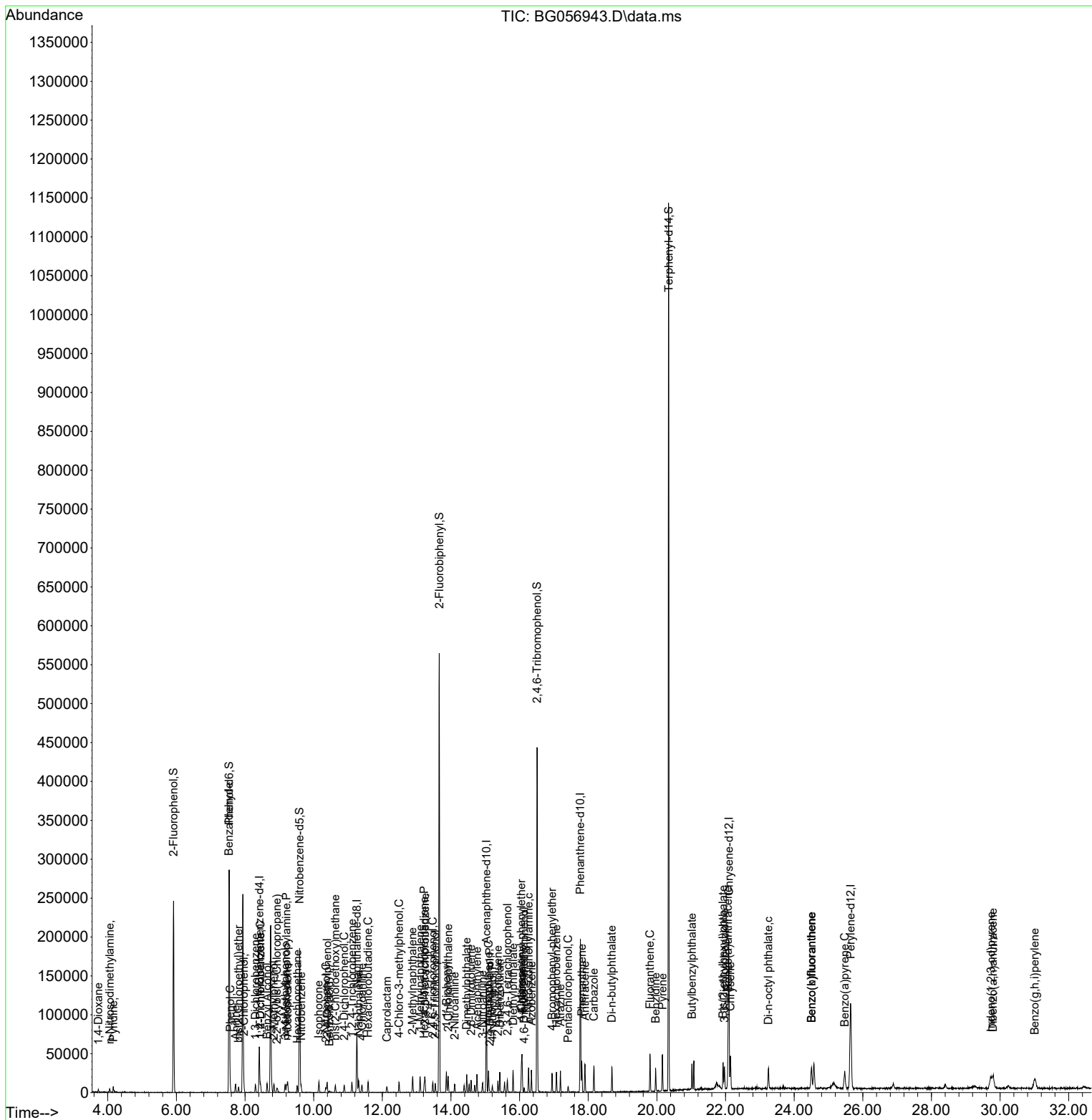
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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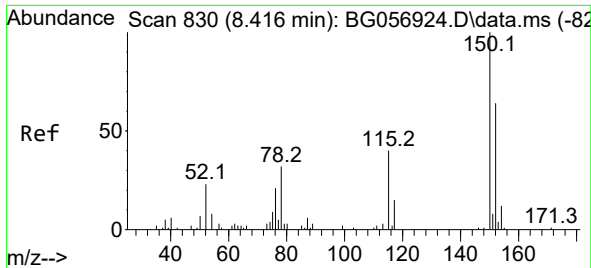
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.536	196	3960	2.990	ng	93
46) 1,1'-Biphenyl	13.871	154	14437	3.904	ng	90
47) 2-Chloronaphthalene	13.918	162	10686	3.907	ng	95
48) 2-Nitroaniline	14.106	65	3318	3.393	ng	85
49) Acenaphthylene	14.758	152	16756	3.729	ng	97
50) Dimethylphthalate	14.458	163	15538	3.903	ng	# 97
51) 2,6-Dinitrotoluene	14.588	165	3024	3.516	ng	# 86
52) Acenaphthene	15.093	154	10518	3.394	ng	93
53) 3-Nitroaniline	14.922	138	2801	3.290	ng	# 93
54) 2,4-Dinitrophenol	15.128	184	580	1.198	ng	# 78
55) Dibenzofuran	15.422	168	17633	3.791	ng	94
56) 4-Nitrophenol	15.210	139	2383	3.786	ng	# 63
57) 2,4-Dinitrotoluene	15.369	165	3849	3.173	ng	# 83
58) Fluorene	16.074	166	14807	3.847	ng	87
59) 2,3,4,6-Tetrachlorophenol	15.645	232	3939	3.267	ng	# 95
60) Diethylphthalate	15.809	149	14534	3.642	ng	99
61) 4-Chlorophenyl-phenyle...	16.050	204	8168	3.614	ng	97
62) 4-Nitroaniline	16.074	138	3768	4.272	ng	# 83
63) Azobenzene	16.344	77	14809	3.724	ng	95
65) 4,6-Dinitro-2-methylph...	16.132	198	1933	2.557	ng	85
66) n-Nitrosodiphenylamine	16.262	169	13269	3.961	ng	91
67) 4-Bromophenyl-phenylether	16.949	248	5420	3.510	ng	95
68) Hexachlorobenzene	17.072	284	5966	3.908	ng	93
69) Atrazine	17.190	200	5789	4.163	ng	95
70) Pentachlorophenol	17.407	266	2135	1.949	ng	# 85
71) Phenanthrene	17.813	178	25214	3.963	ng	99
72) Anthracene	17.907	178	25019	3.836	ng	97
73) Carbazole	18.165	167	22659	3.984	ng	97
74) Di-n-butylphthalate	18.688	149	23354	3.546	ng	99
75) Fluoranthene	19.798	202	29599	3.670	ng	98
77) Benzidine	19.963	184	17829	5.358	ng	98
78) Pyrene	20.162	202	30678	3.643	ng	94
80) Butylbenzylphthalate	21.020	149	9903	3.418	ng	97
81) Benzo(a)anthracene	22.071	228	31669	3.759	ng	96
82) 3,3'-Dichlorobenzidine	21.966	252	12276	4.315	ng	97
83) Chrysene	22.142	228	29712	3.767	ng	95
84) Bis(2-ethylhexyl)phtha...	21.925	149	14514	3.459	ng	# 95
85) Di-n-octyl phthalate	23.246	149	24588	3.477	ng	# 97
87) Indeno(1,2,3-cd)pyrene	29.738	276	37158	3.825	ng	# 86
88) Benzo(b)fluoranthene	24.503	252	32386	3.940	ng	# 91
89) Benzo(k)fluoranthene	24.503	252	32386	3.947	ng	93
90) Benzo(a)pyrene	25.473	252	28656	3.548	ng	99
91) Dibenzo(a,h)anthracene	29.790	278	29294	3.669	ng	# 96
92) Benzo(g,h,i)perylene	31.006	276	29893	3.823	ng	# 91

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

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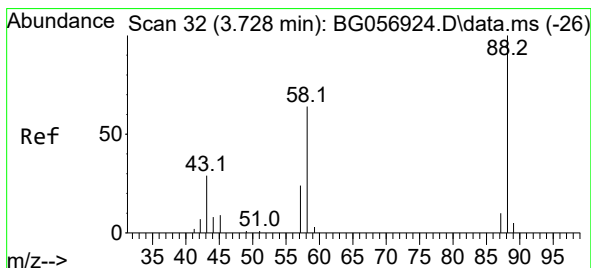
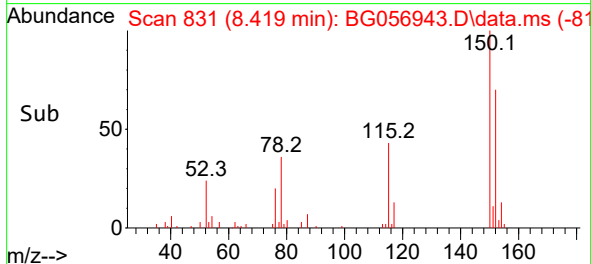
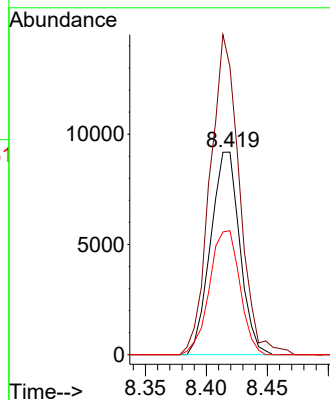
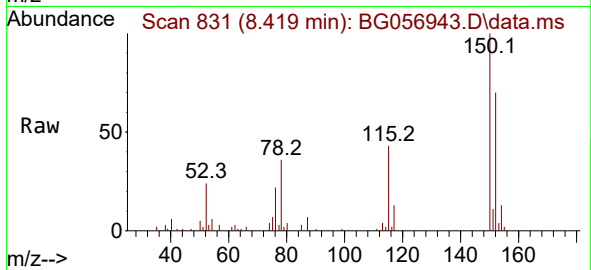




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.419 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

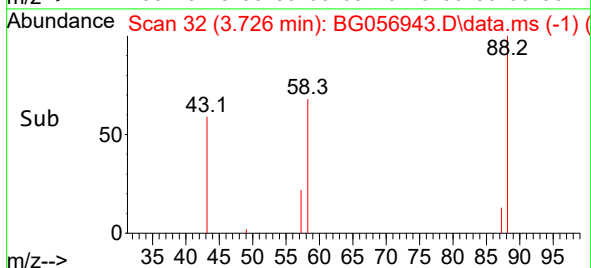
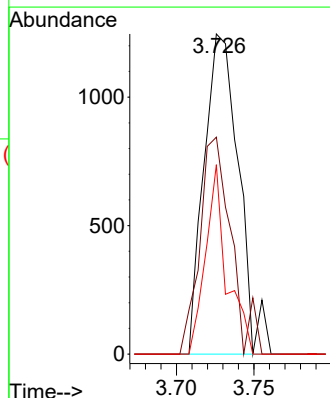
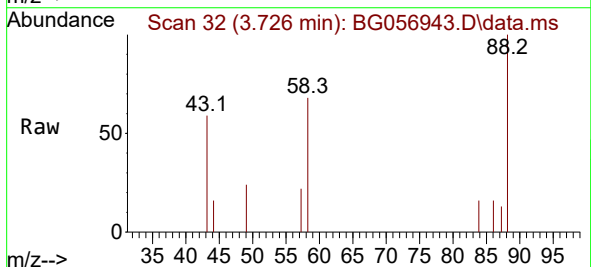
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:152 Resp: 15308
 Ion Ratio Lower Upper
 152 100
 150 142.0 124.1 186.1
 115 61.2 49.1 73.7



#2
 1,4-Dioxane
 Concen: 4.613 ng
 RT: 3.726 min Scan# 32
 Delta R.T. -0.002 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

Tgt Ion: 88 Resp: 1934
 Ion Ratio Lower Upper
 88 100
 58 61.2 55.9 83.9
 43 36.3 25.7 38.5

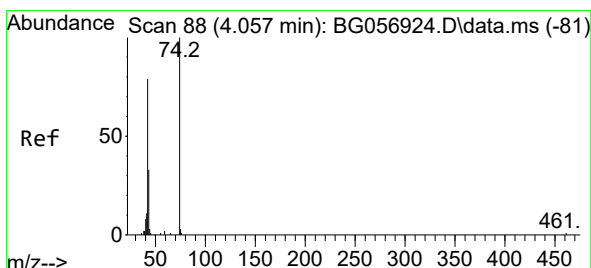
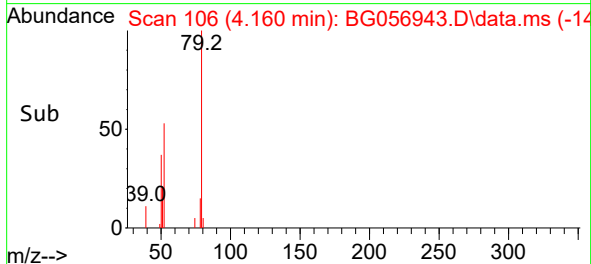
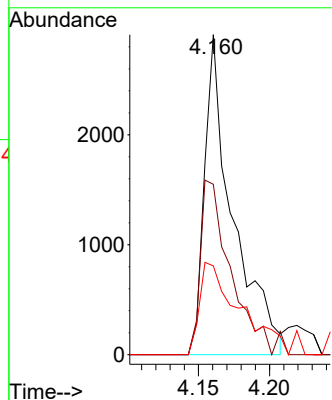
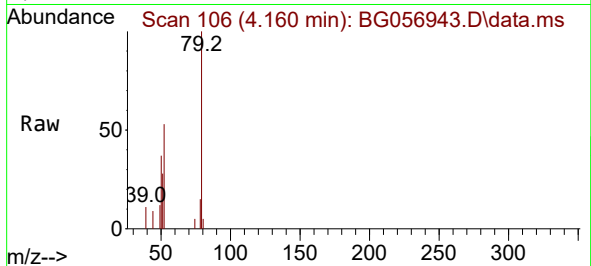




#3
Pyridine
Concen: 2.976 ng
RT: 4.160 min Scan# 106
Delta R.T. 0.009 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

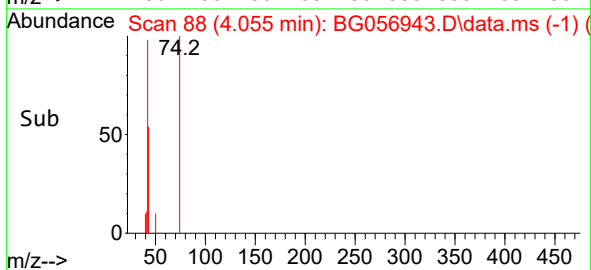
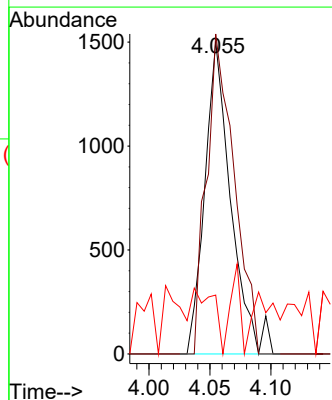
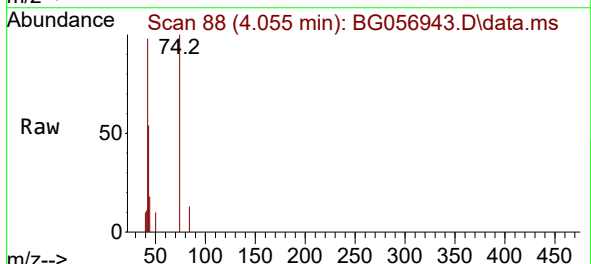
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 79 Resp: 4019
Ion Ratio Lower Upper
79 100
52 53.3 46.1 69.1
51 27.8 26.1 39.1



#4
n-Nitrosodimethylamine
Concen: 3.612 ng
RT: 4.055 min Scan# 88
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion: 42 Resp: 2243
Ion Ratio Lower Upper
42 100
74 102.4 100.6 151.0
44 18.8 4.6 7.0#

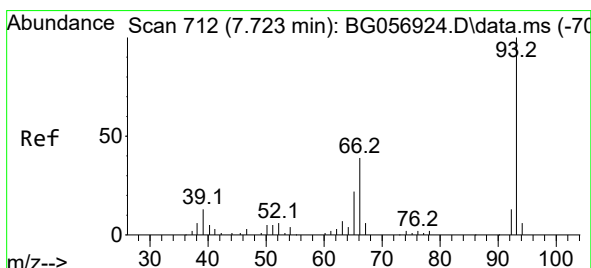
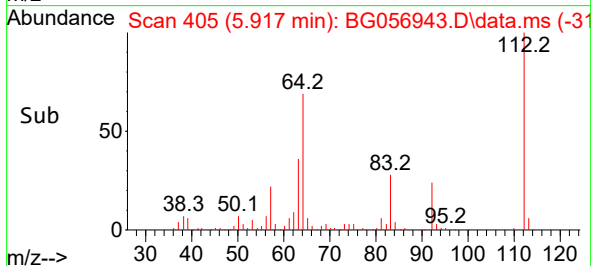
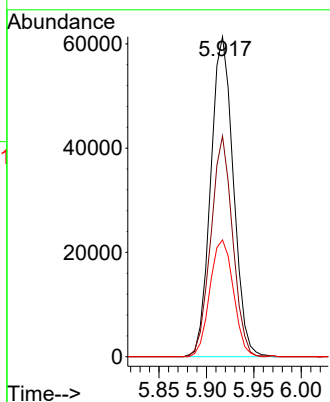
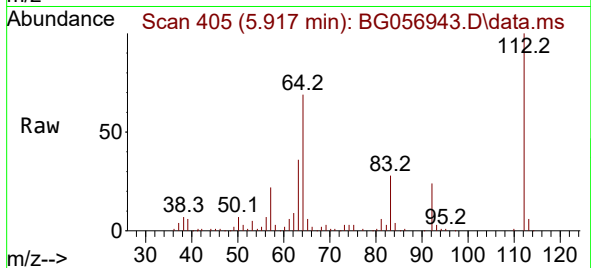




#5
2-Fluorophenol
Concen: 106.428 ng
RT: 5.917 min Scan# 405
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

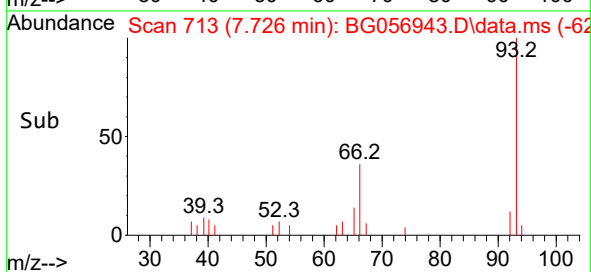
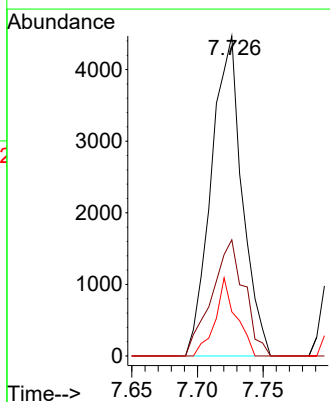
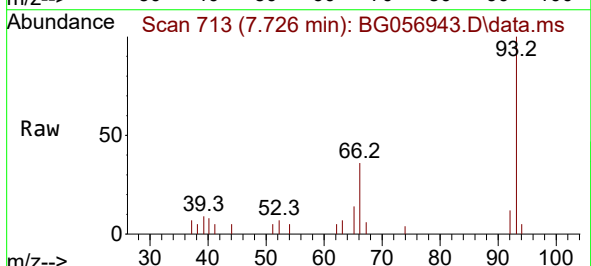
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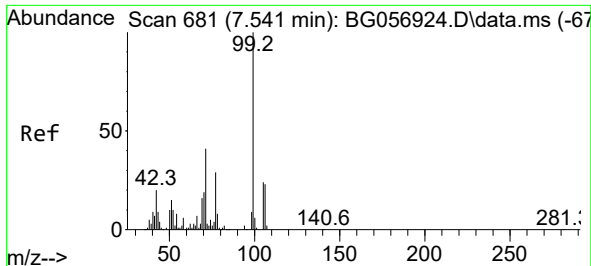
Tgt Ion:112 Resp: 101797
Ion Ratio Lower Upper
112 100
64 68.9 53.2 79.8
63 36.5 32.6 48.8



#6
Aniline
Concen: 4.010 ng
RT: 7.726 min Scan# 713
Delta R.T. 0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion: 93 Resp: 7334
Ion Ratio Lower Upper
93 100
66 36.3 31.4 47.0
65 13.8 17.3 25.9#

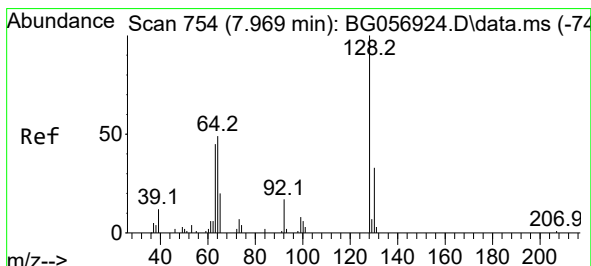
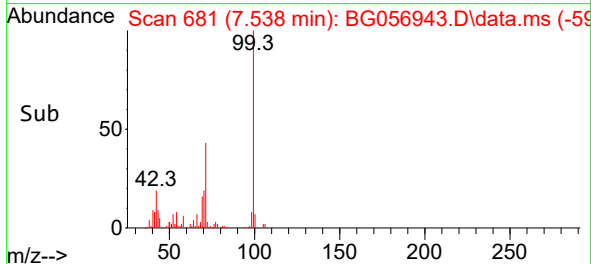
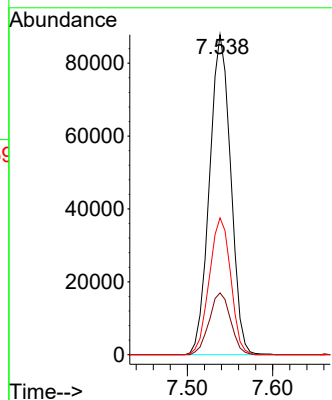
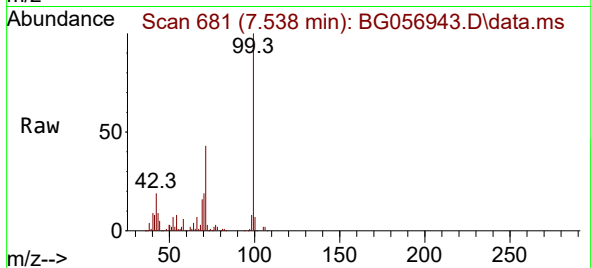




#7
Phenol-d6
Concen: 105.815 ng
RT: 7.538 min Scan# 681
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

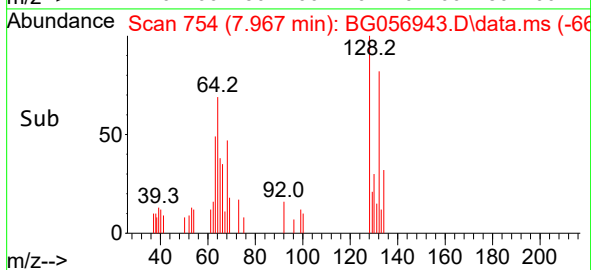
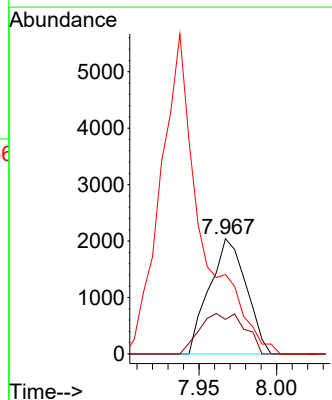
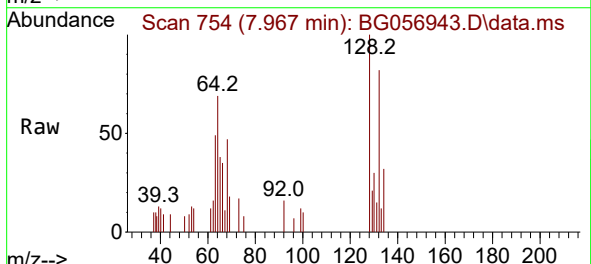
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Tgt Ion: 99 Resp: 151372
Ion Ratio Lower Upper
99 100
42 19.3 15.7 23.5
71 42.8 32.5 48.7



#8
2-Chlorophenol
Concen: 3.535 ng
RT: 7.967 min Scan# 754
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion: 128 Resp: 3368
Ion Ratio Lower Upper
128 100
130 30.0 12.6 52.6
64 68.9 40.6 80.6

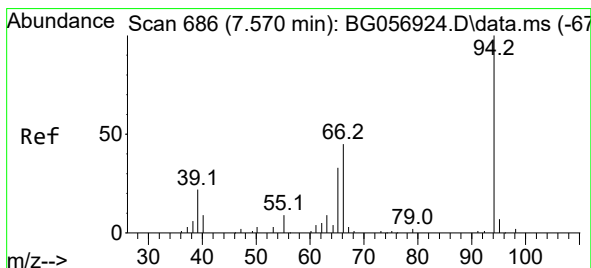
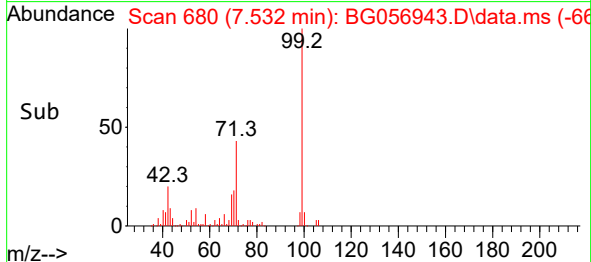
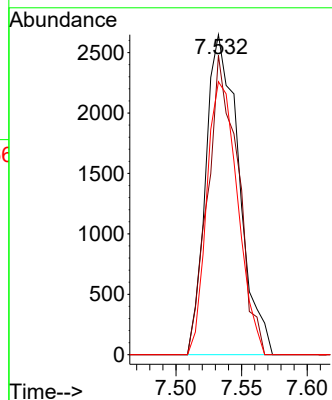
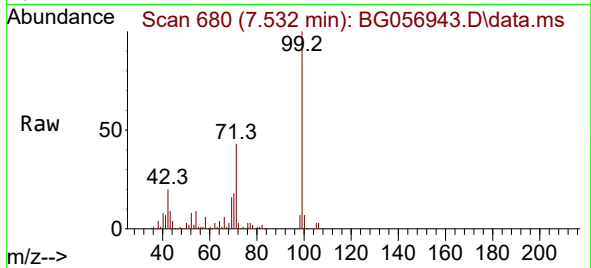




#9
Benzaldehyde
Concen: 5.182 ng
RT: 7.532 min Scan# 680
Delta R.T. -0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

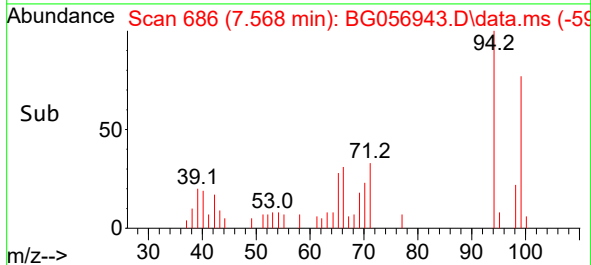
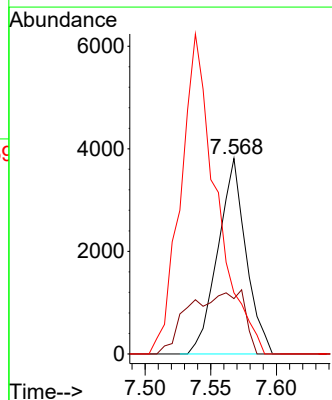
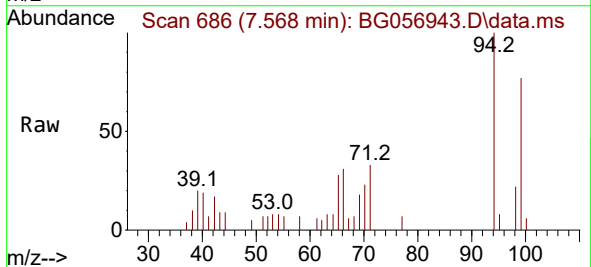
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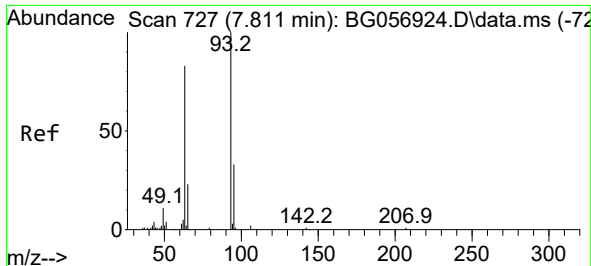
Tgt Ion: 77 Resp: 4650
Ion Ratio Lower Upper
77 100
105 93.5 73.6 113.6
106 85.3 56.7 96.7



#10
Phenol
Concen: 4.009 ng
RT: 7.568 min Scan# 686
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion: 94 Resp: 5682
Ion Ratio Lower Upper
94 100
65 28.3 13.3 53.3
66 31.3 26.7 66.7

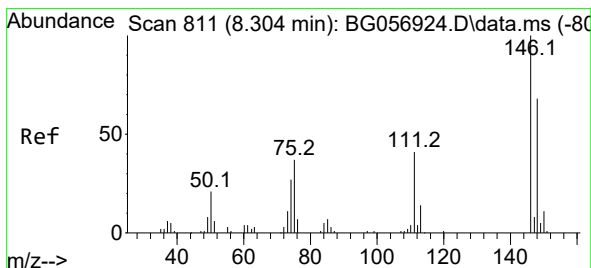
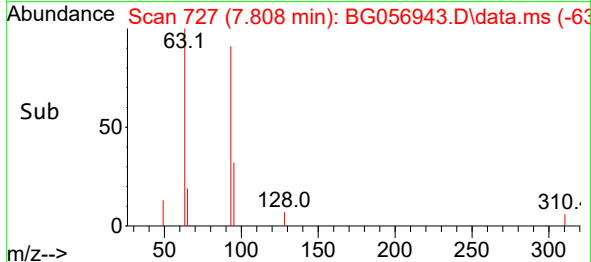
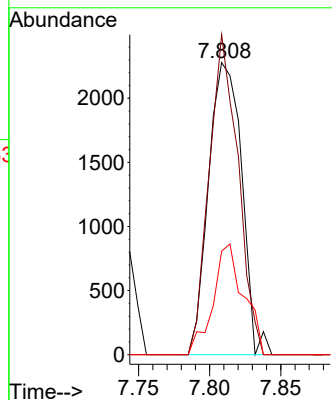
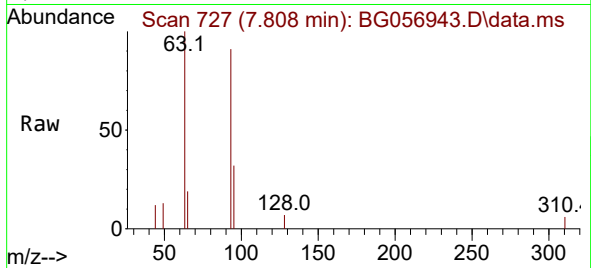




#11
bis(2-Chloroethyl)ether
Concen: 3.645 ng
RT: 7.808 min Scan# 727
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

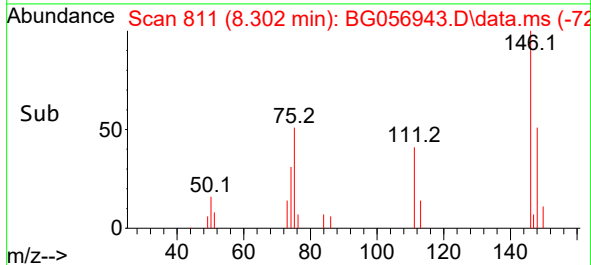
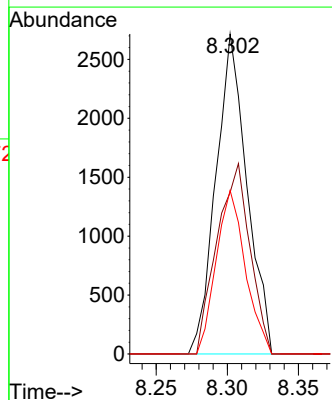
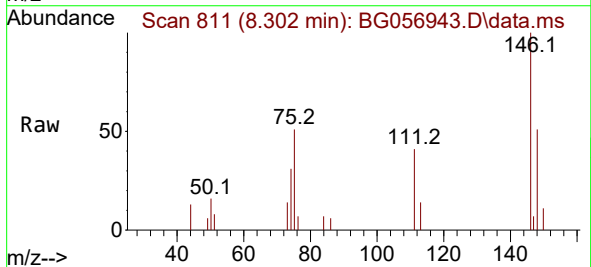
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

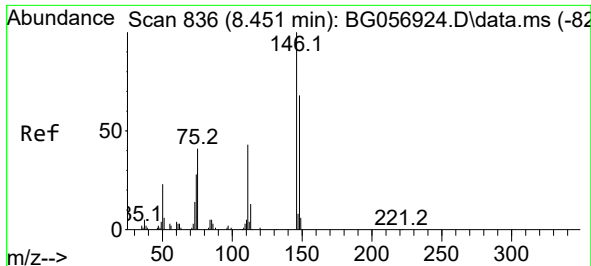
Tgt Ion: 93 Resp: 3680
Ion Ratio Lower Upper
93 100
63 109.5 62.7 102.7#
95 35.5 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 3.914 ng
RT: 8.302 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:146 Resp: 4120
Ion Ratio Lower Upper
146 100
148 50.5 54.2 81.4#
75 51.1 29.8 44.8#

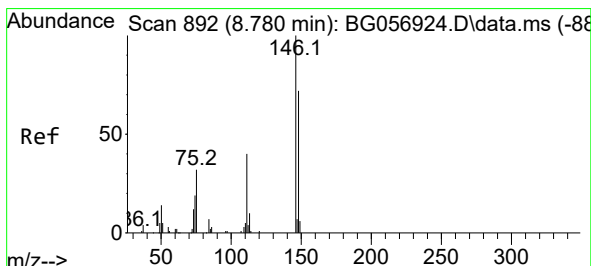
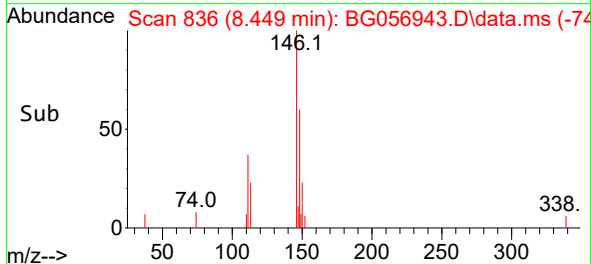
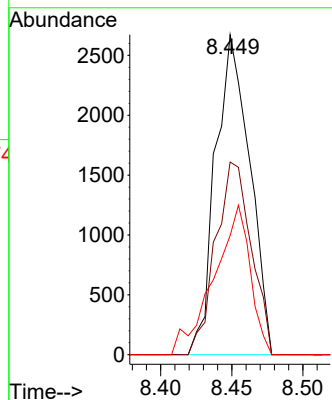
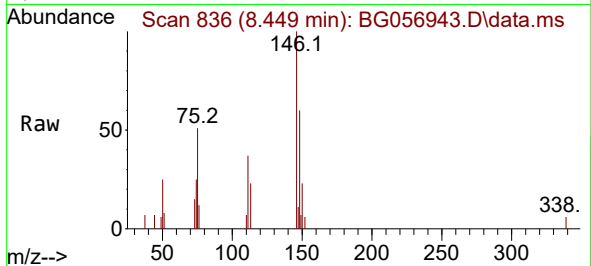




#13
1,4-Dichlorobenzene
Concen: 4.222 ng
RT: 8.449 min Scan# 836
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

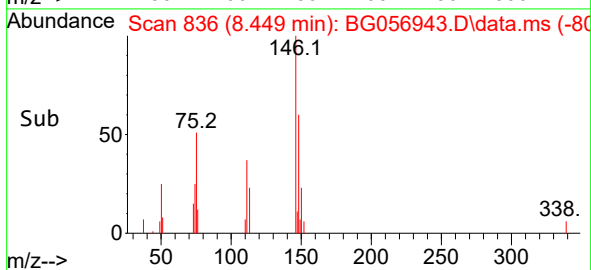
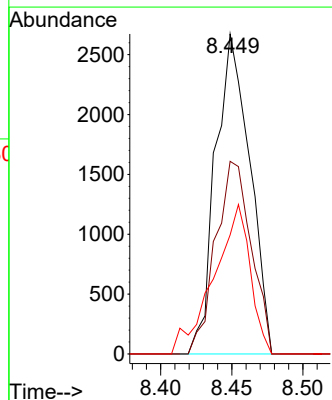
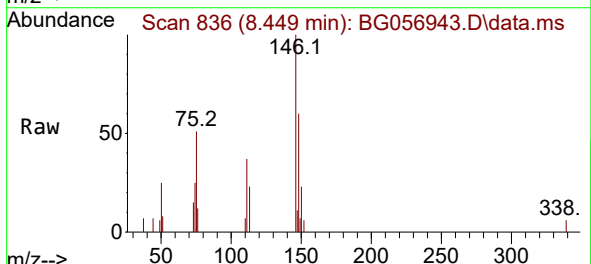
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:146 Resp: 4486
Ion Ratio Lower Upper
146 100
148 60.2 54.8 82.2
111 37.2 34.6 52.0



#14
1,2-Dichlorobenzene
Concen: 4.370 ng
RT: 8.449 min Scan# 836
Delta R.T. -0.331 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:146 Resp: 4486
Ion Ratio Lower Upper
146 100
148 60.2 57.4 86.0
111 37.2 33.2 49.8

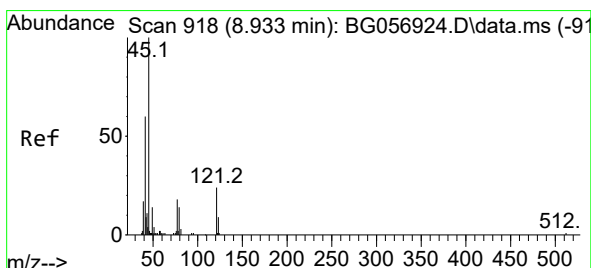
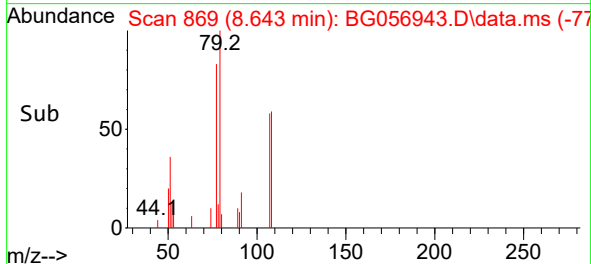
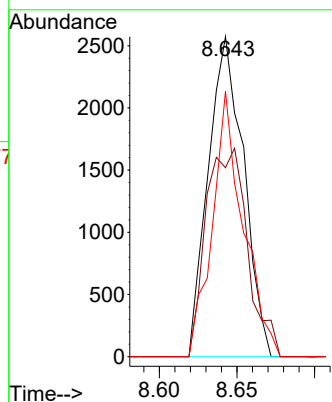
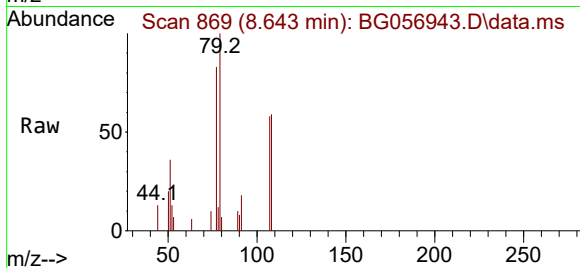




#15
Benzyl Alcohol
Concen: 3.430 ng
RT: 8.643 min Scan# 869
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

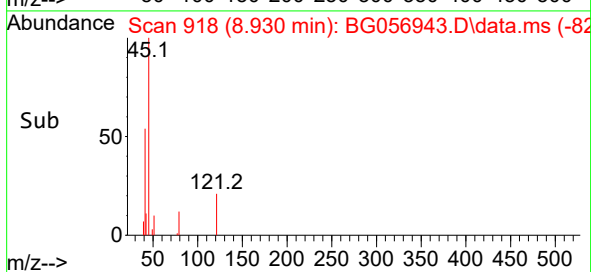
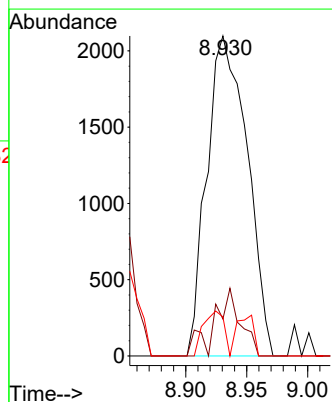
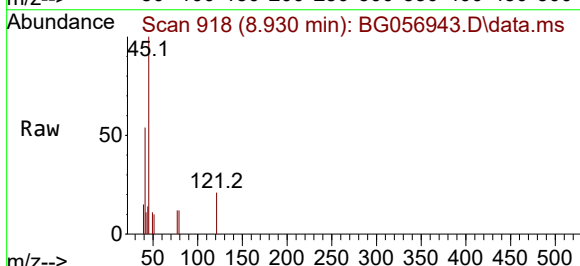
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 79 Resp: 4077
Ion Ratio Lower Upper
79 100
108 59.0 51.2 76.8
77 83.0 54.4 81.6#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.971 ng
RT: 8.930 min Scan# 918
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion: 45 Resp: 4832
Ion Ratio Lower Upper
45 100
77 11.5 0.0 38.7
79 12.2 0.0 35.1

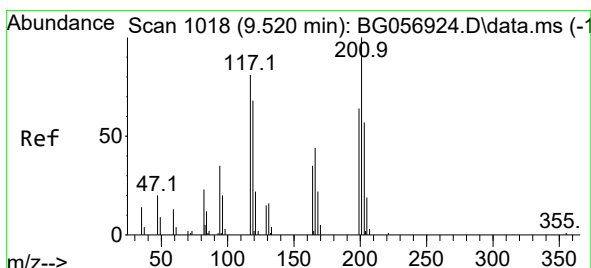
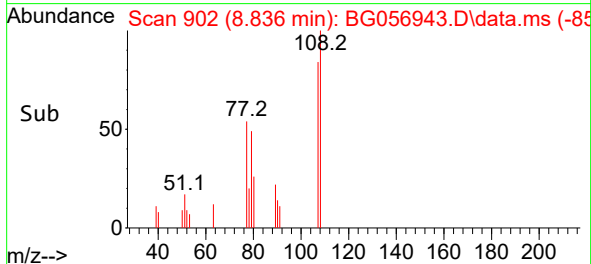
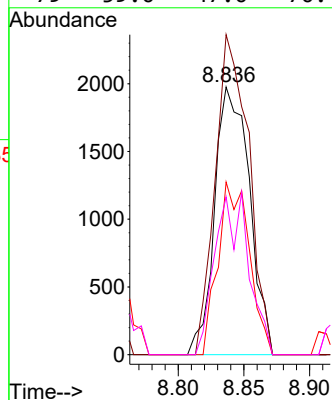
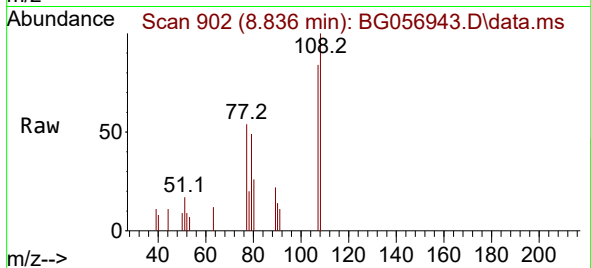




#17
2-Methylphenol
Concen: 3.599 ng
RT: 8.836 min Scan# 903
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

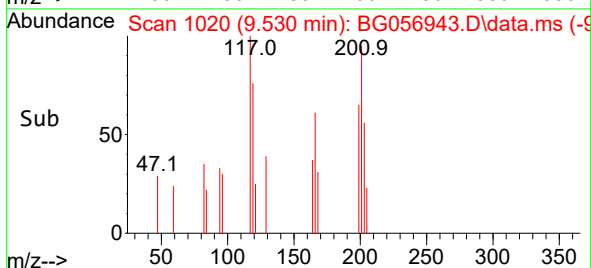
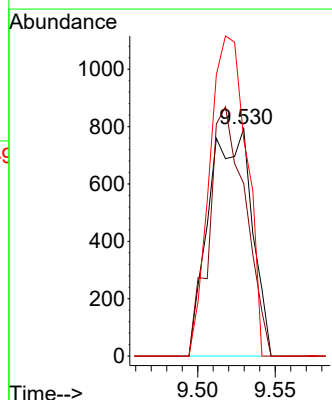
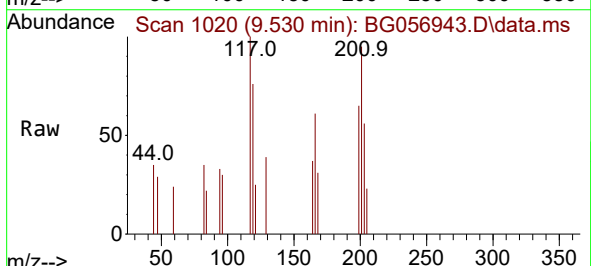
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

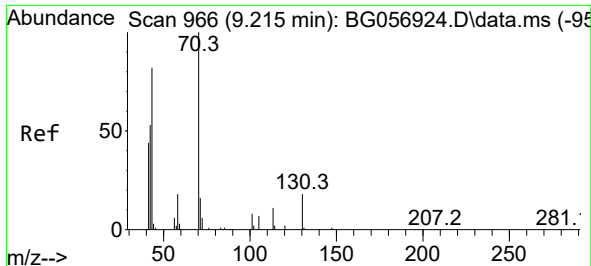
Tgt Ion:	107	Resp:	3640
Ion	Ratio	Lower	Upper
107	100		
108	119.5	96.0	144.0
77	64.5	45.6	68.4
79	59.0	47.0	70.4



#18
Hexachloroethane
Concen: 3.904 ng
RT: 9.530 min Scan# 1020
Delta R.T. 0.009 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:	117	Resp:	1516
Ion	Ratio	Lower	Upper
117	100		
119	75.9	67.0	100.6
201	95.2	98.7	148.1





#19

n-Nitroso-di-n-propylamine

Concen: 3.867 ng

RT: 9.207 min Scan# 9

Delta R.T. -0.008 min

Lab File: BG056943.D

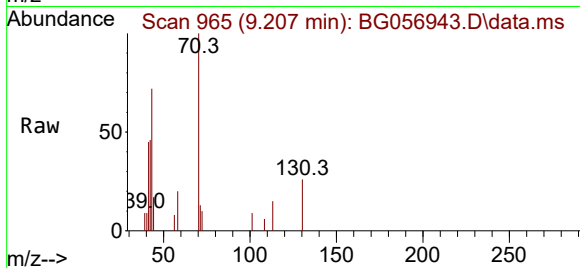
Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 70 Resp: 3957

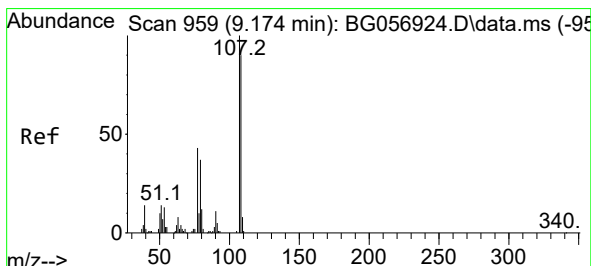
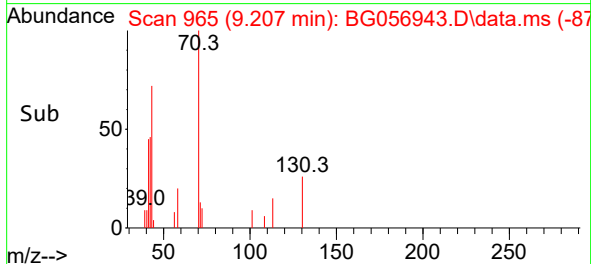
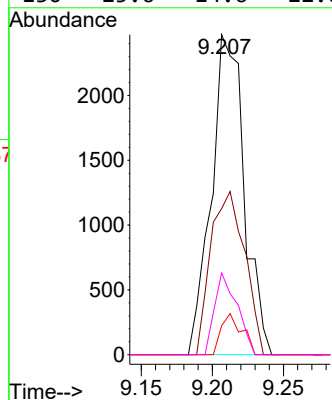
Ion Ratio Lower Upper

70 100

42 45.6 43.4 65.0

101 9.1 6.2 9.2

130 25.6 14.6 22.0#



#20

3+4-Methylphenols

Concen: 3.406 ng

RT: 9.171 min Scan# 959

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Tgt Ion: 107 Resp: 4817

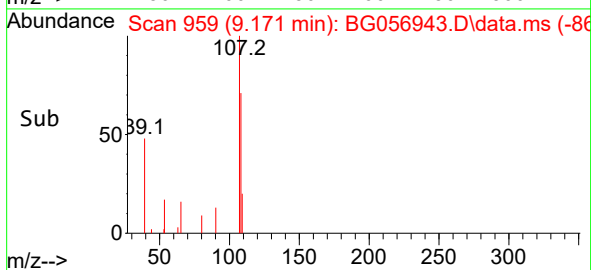
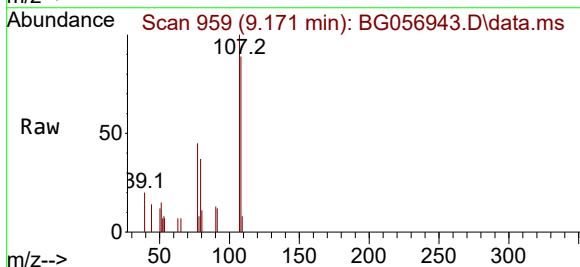
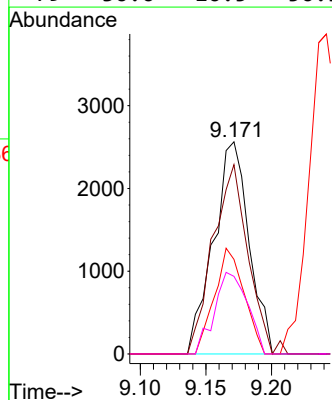
Ion Ratio Lower Upper

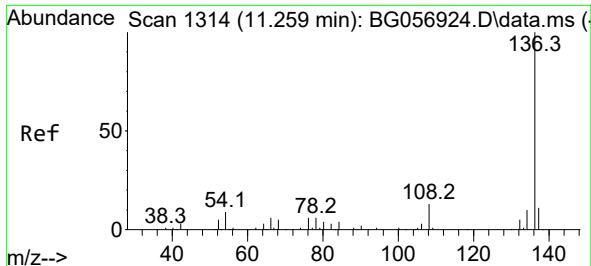
107 100

108 89.2 69.9 109.9

77 44.5 22.7 62.7

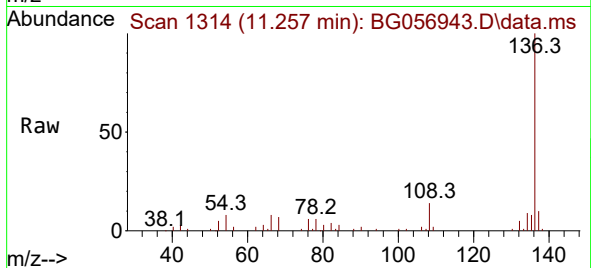
79 36.6 16.5 56.5



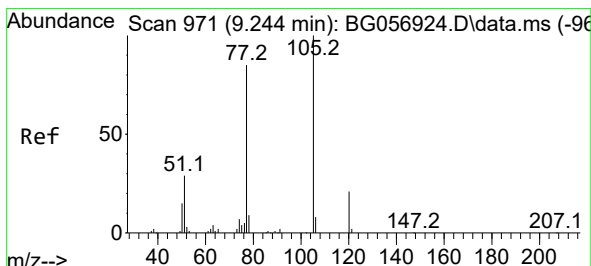
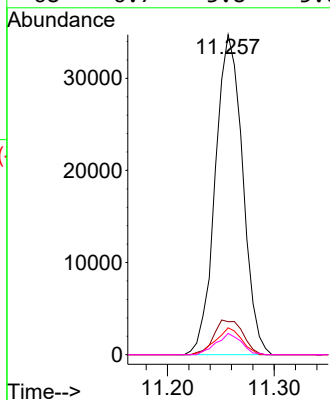
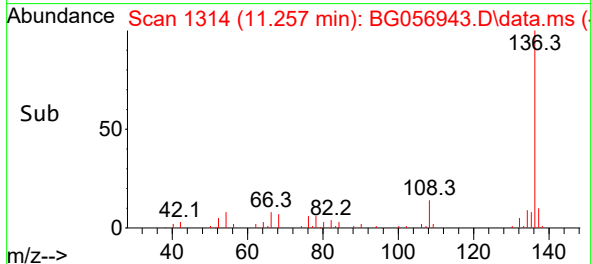


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.257 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

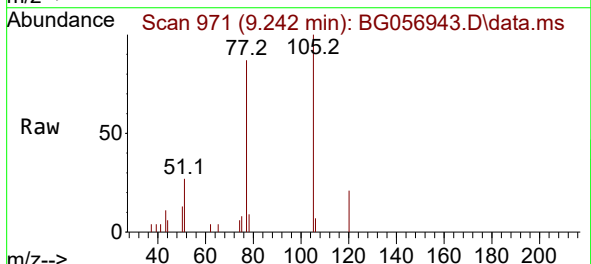
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



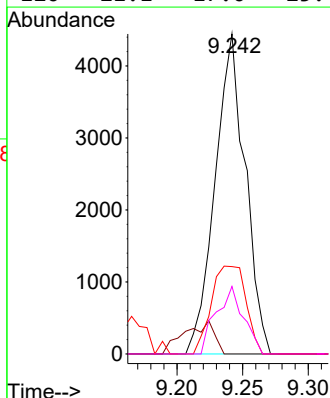
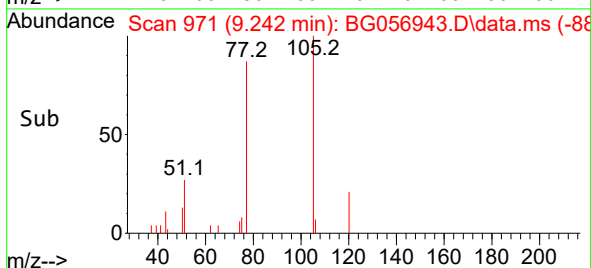
Tgt Ion:136 Resp: 61823
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.4 6.9 10.3
68 6.7 3.8 5.6#

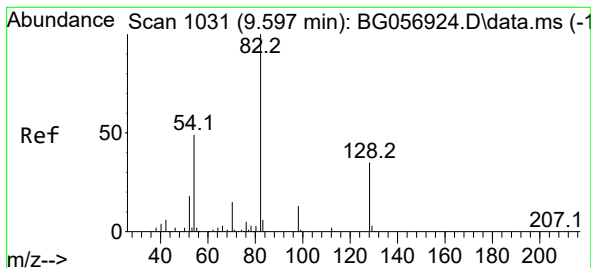


#22
Acetophenone
Concen: 3.861 ng
RT: 9.242 min Scan# 971
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



Tgt Ion:105 Resp: 7102
Ion Ratio Lower Upper
105 100
71 0.0 0.7 1.1#
51 27.3 23.8 35.8
120 21.1 17.0 25.4





#23

Nitrobenzene-d5

Concen: 77.824 ng

RT: 9.588 min Scan# 1030

Delta R.T. -0.008 min

Lab File: BG056943.D

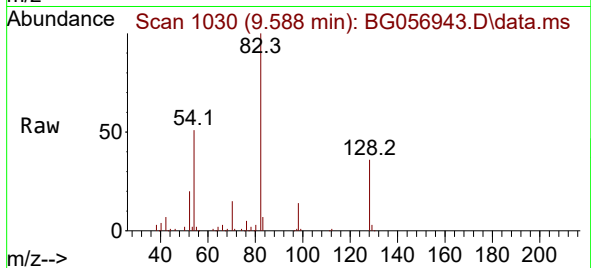
Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



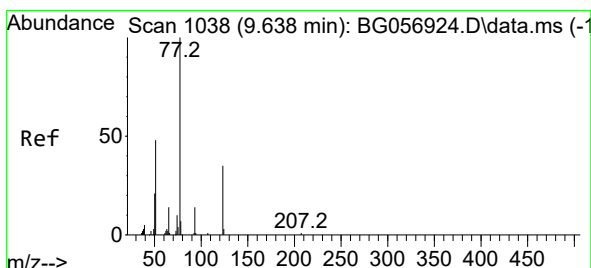
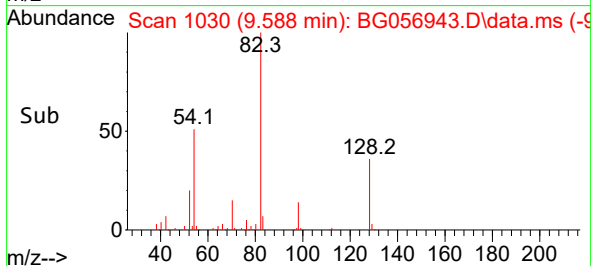
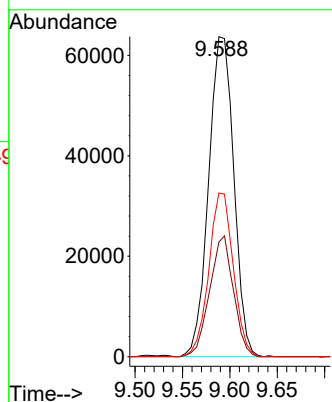
Tgt Ion: 82 Resp: 117586

Ion Ratio Lower Upper

82 100

128 35.9 27.9 41.9

54 51.1 39.4 59.2



#24

Nitrobenzene

Concen: 3.905 ng

RT: 9.635 min Scan# 1038

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

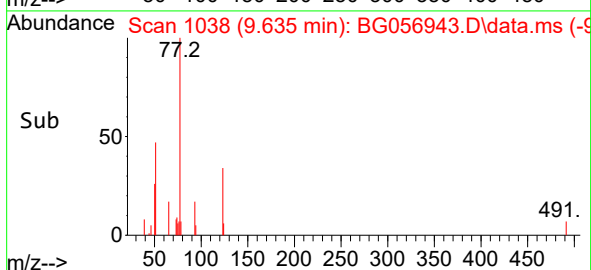
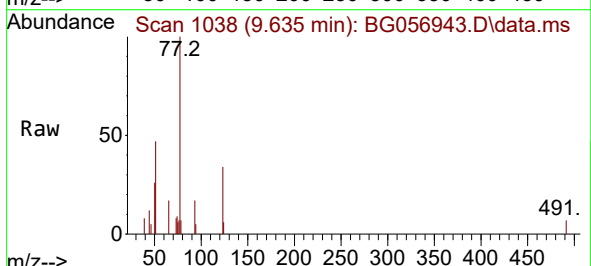
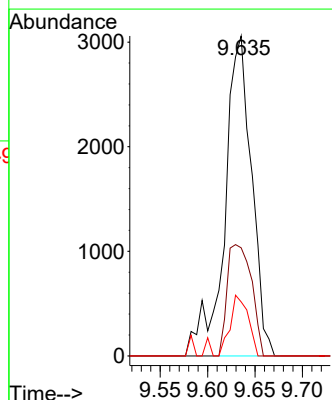
Tgt Ion: 77 Resp: 6032

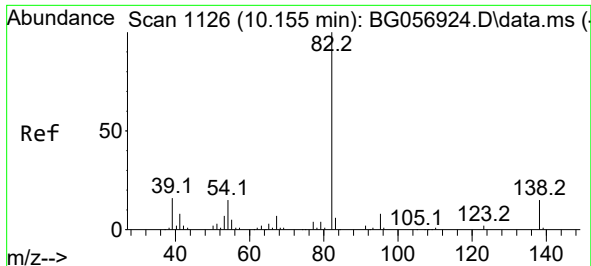
Ion Ratio Lower Upper

77 100

123 33.8 27.6 41.4

65 16.9 11.5 17.3

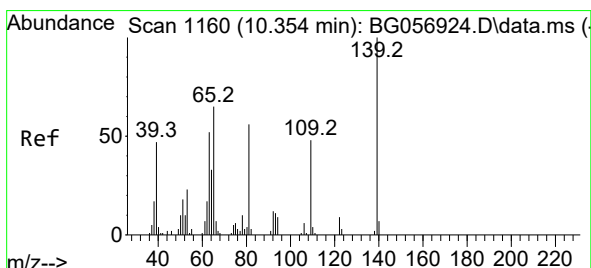
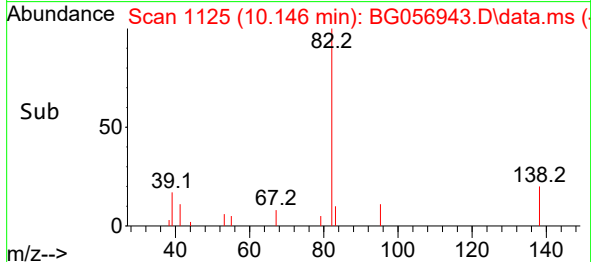
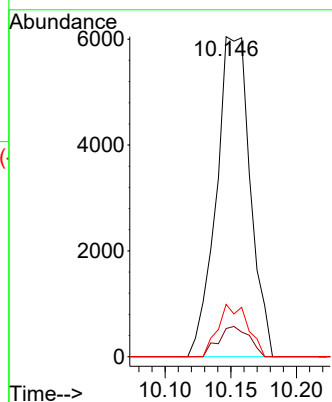
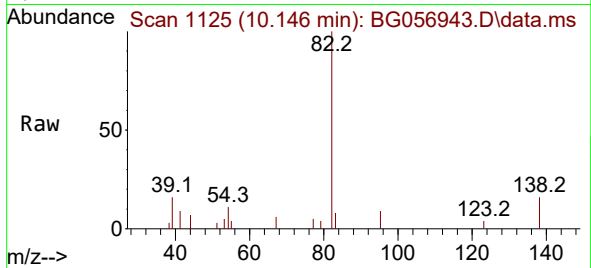




#25
Isophorone
Concen: 3.782 ng
RT: 10.146 min Scan# 1126
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

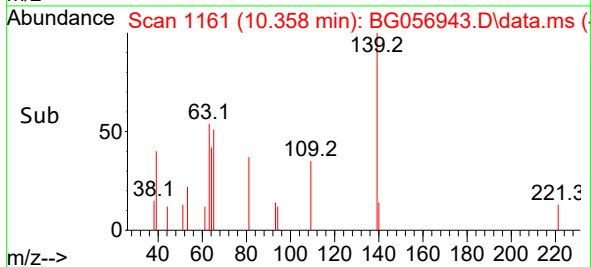
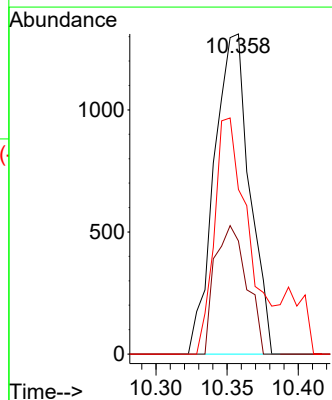
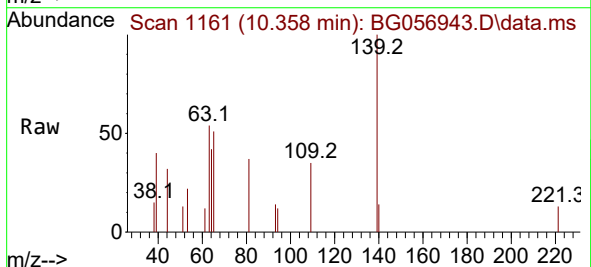
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

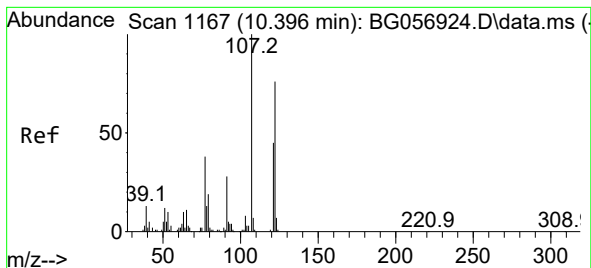
Tgt Ion: 82	Resp: 10882
Ion Ratio	Lower Upper
82 100	
95 8.8	6.3 9.5
138 16.4	11.8 17.8



#26
2-Nitrophenol
Concen: 3.810 ng
RT: 10.358 min Scan# 1161
Delta R.T. 0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion: 139	Resp: 2272
Ion Ratio	Lower Upper
139 100	
109 35.3	38.2 57.4#
65 51.4	51.8 77.8#

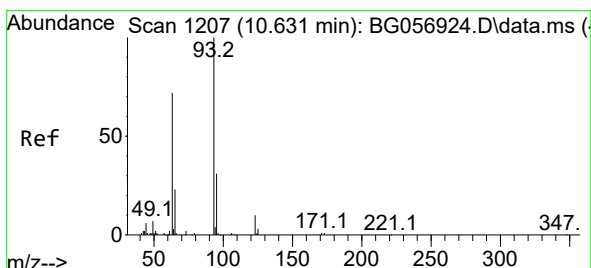
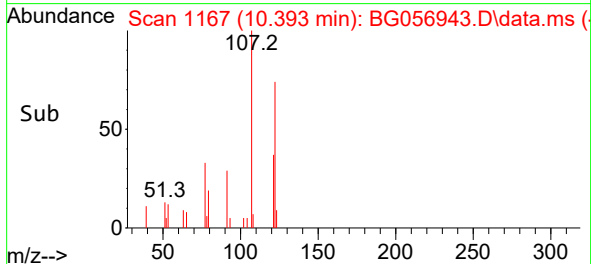
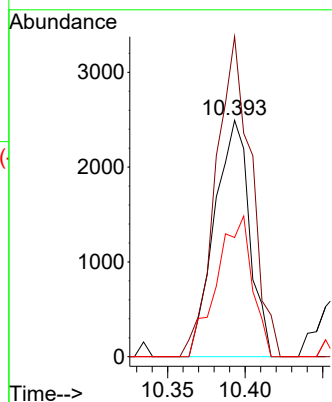
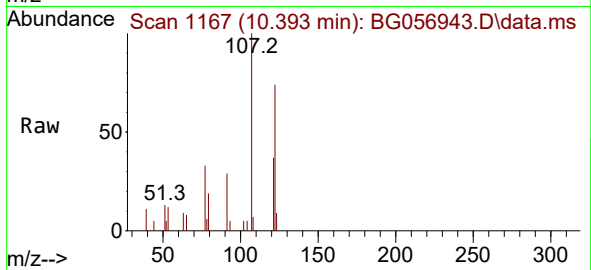




#27
2,4-Dimethylphenol
Concen: 3.707 ng
RT: 10.393 min Scan# 1167
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

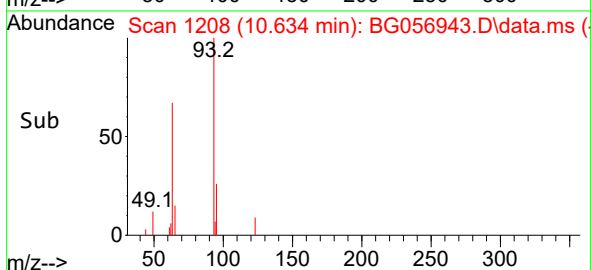
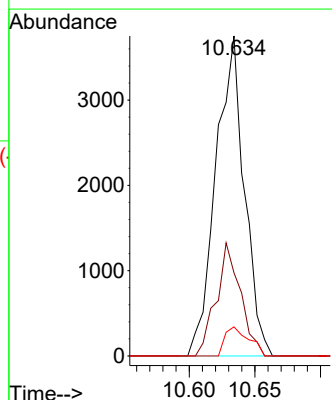
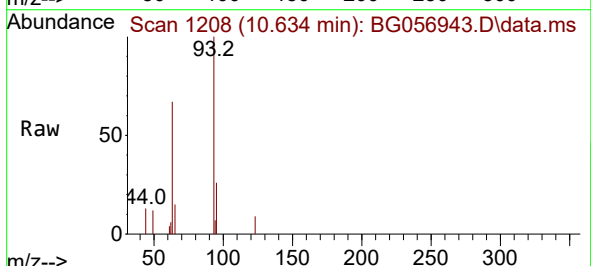
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

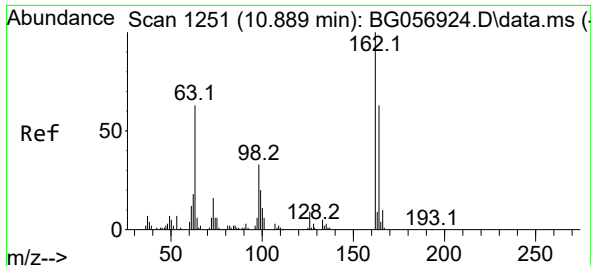
Tgt Ion:122 Resp: 3902
Ion Ratio Lower Upper
122 100
107 135.4 105.7 158.5
121 50.4 48.0 72.0



#28
bis(2-Chloroethoxy)methane
Concen: 3.933 ng
RT: 10.634 min Scan# 1208
Delta R.T. 0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion: 93 Resp: 5665
Ion Ratio Lower Upper
93 100
95 26.0 24.6 37.0
123 9.1 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 3.625 ng

RT: 10.887 min Scan# 1251

Delta R.T. -0.002 min

Lab File: BG056943.D

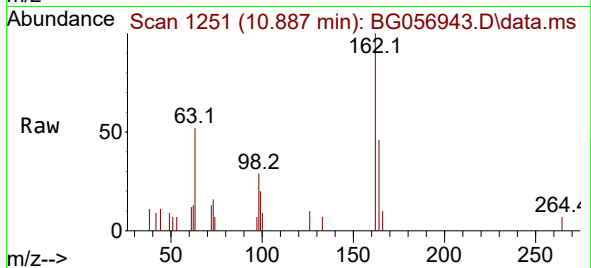
Acq: 31 Mar 2023 14:10

Instrument :

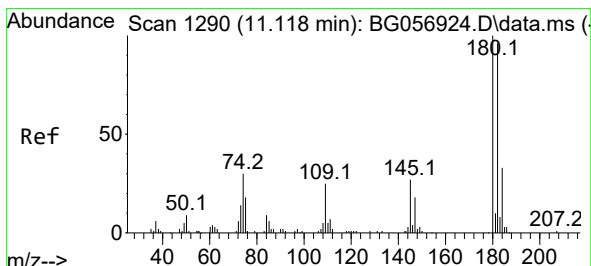
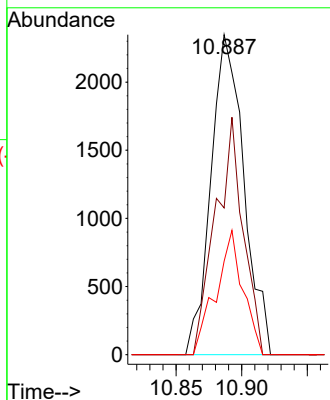
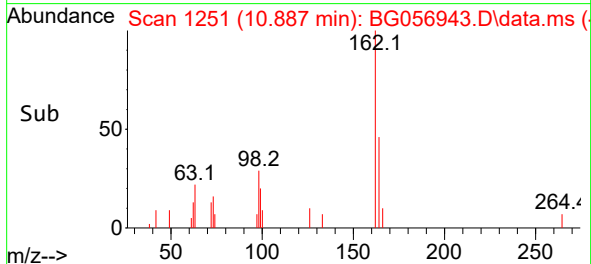
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:	162	Resp:	4104
Ion	Ratio	Lower	Upper
162	100		
164	45.9	43.4	83.4
98	29.2	12.5	52.5



#30

1,2,4-Trichlorobenzene

Concen: 4.255 ng

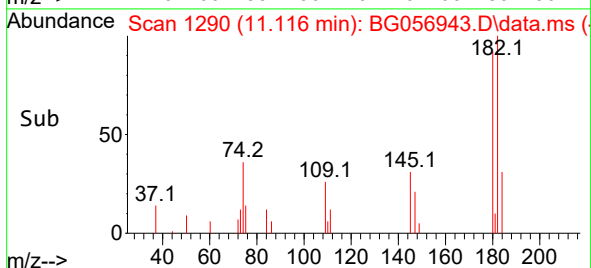
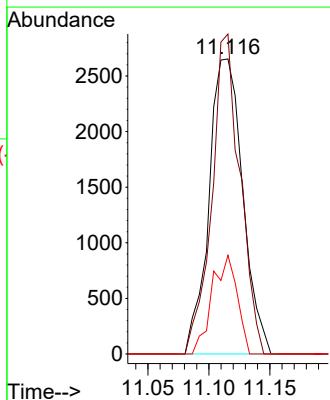
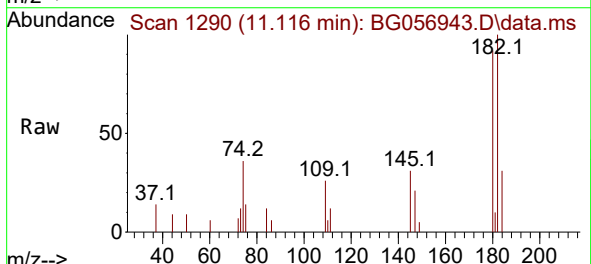
RT: 11.116 min Scan# 1290

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

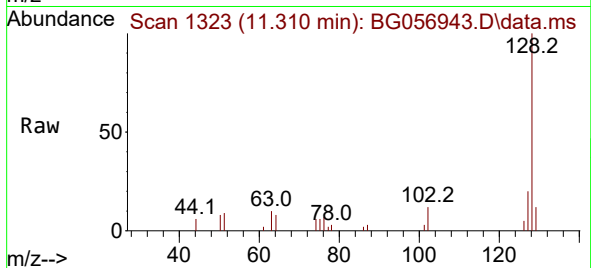
Tgt Ion:	180	Resp:	5119
Ion	Ratio	Lower	Upper
180	100		
182	108.4	77.1	115.7
145	33.5	21.3	31.9



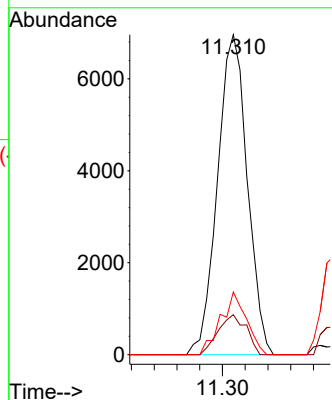
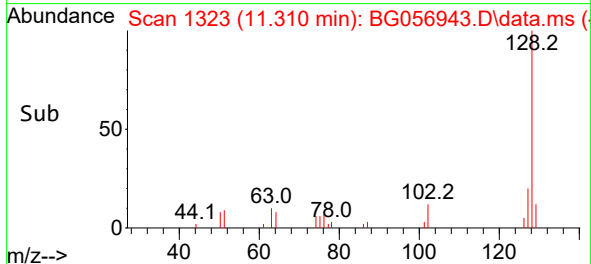


#31
Naphthalene
Concen: 3.757 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

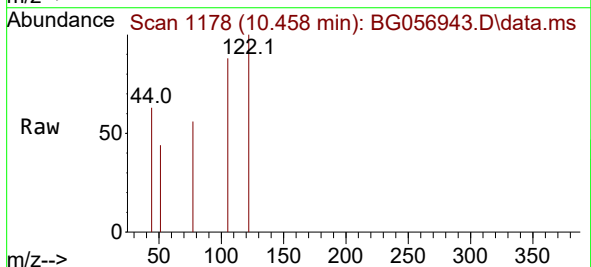
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



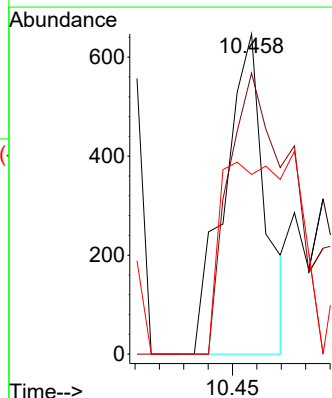
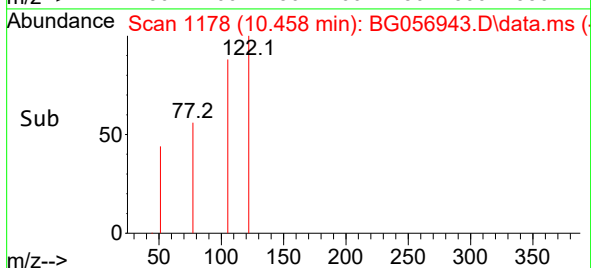
Tgt Ion:128 Resp: 12659
Ion Ratio Lower Upper
128 100
129 12.5 9.4 14.2
127 19.6 12.2 18.4#

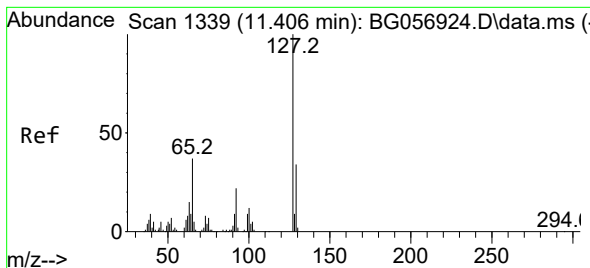


#32
Benzoic acid
Concen: 1.037 ng
RT: 10.458 min Scan# 1178
Delta R.T. -0.055 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



Tgt Ion:122 Resp: 750
Ion Ratio Lower Upper
122 100
105 87.8 105.4 145.4#
77 56.1 87.4 127.4#





#33

4-Chloroaniline

Concen: 3.585 ng

RT: 11.409 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:127 Resp: 5456

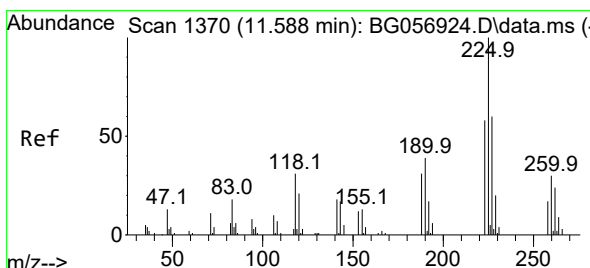
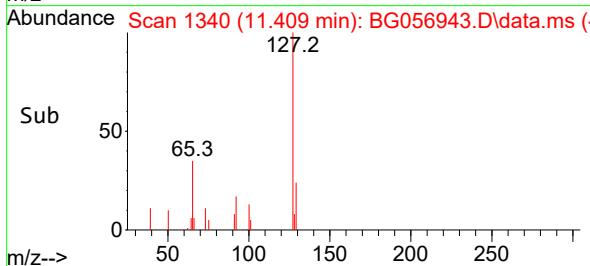
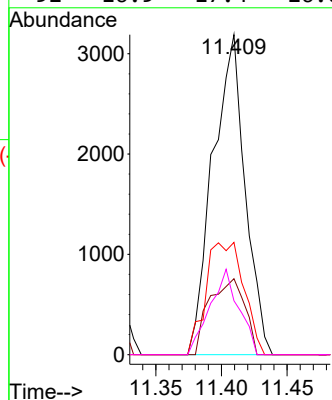
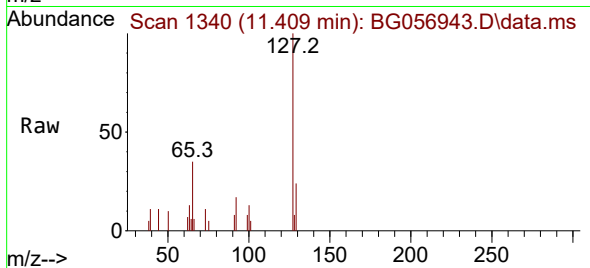
Ion Ratio Lower Upper

127 100

129 23.7 27.6 41.4#

65 35.1 29.8 44.8

92 16.9 17.4 26.0#



#34

Hexachlorobutadiene

Concen: 3.978 ng

RT: 11.586 min Scan# 1370

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

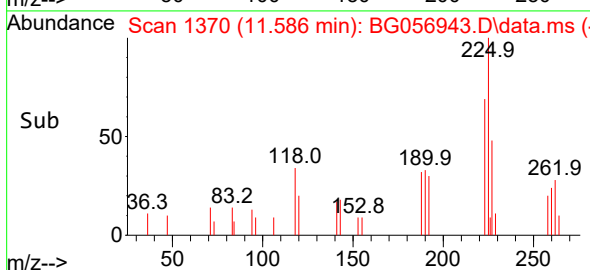
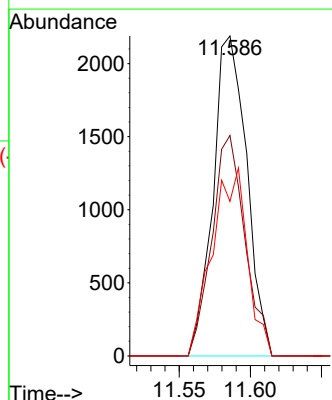
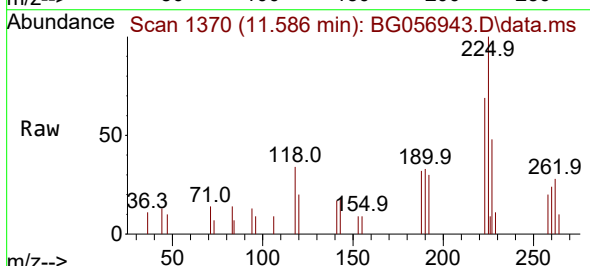
Tgt Ion:225 Resp: 3595

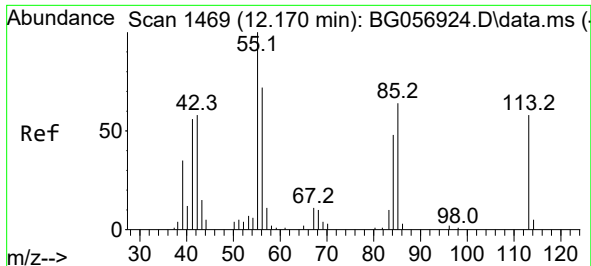
Ion Ratio Lower Upper

225 100

223 68.9 46.4 69.6

227 48.3 48.0 72.0

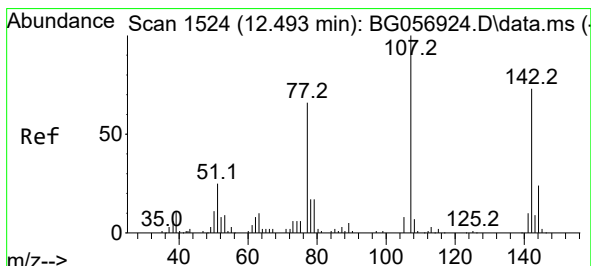
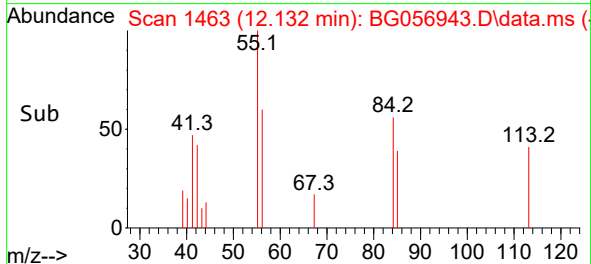
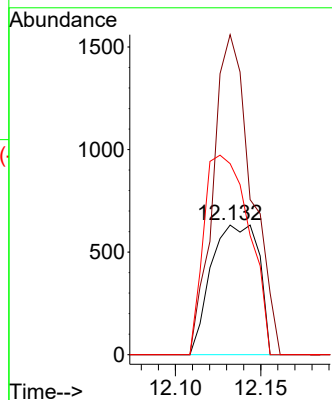
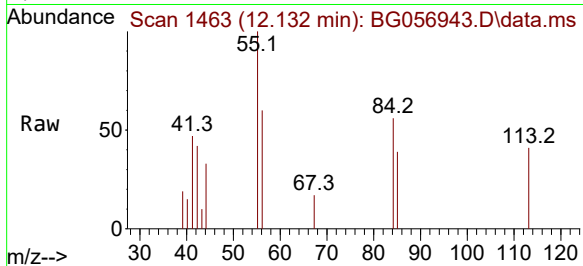




#35
Caprolactam
Concen: 3.145 ng
RT: 12.132 min Scan# 14
Delta R.T. -0.038 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

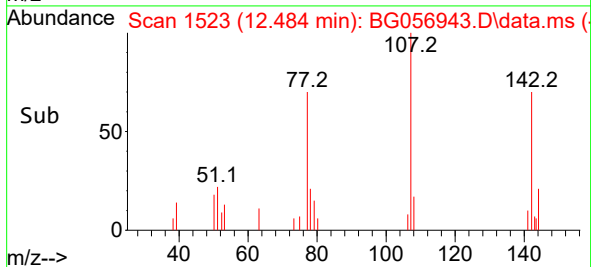
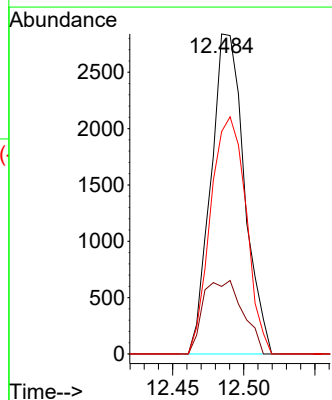
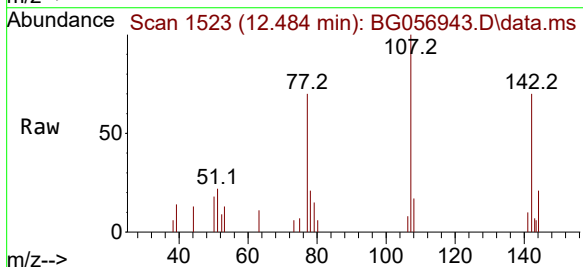
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

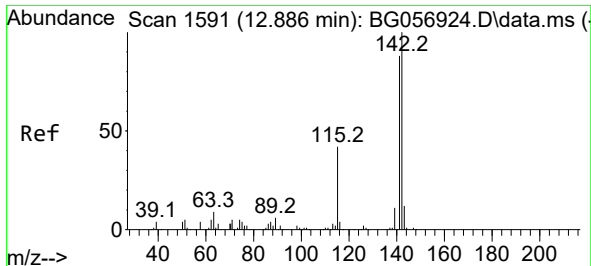
Tgt Ion:113 Resp: 1228
Ion Ratio Lower Upper
113 100
55 246.8 151.6 191.6#
56 147.3 103.7 143.7#



#36
4-Chloro-3-methylphenol
Concen: 3.670 ng
RT: 12.484 min Scan# 1523
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:107 Resp: 4647
Ion Ratio Lower Upper
107 100
144 21.1 19.0 28.4
142 69.5 58.6 88.0





#37

2-Methylnaphthalene

Concen: 3.356 ng

RT: 12.878 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

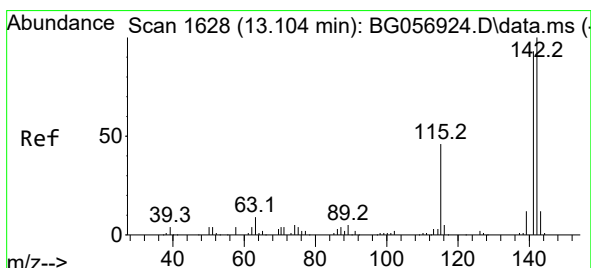
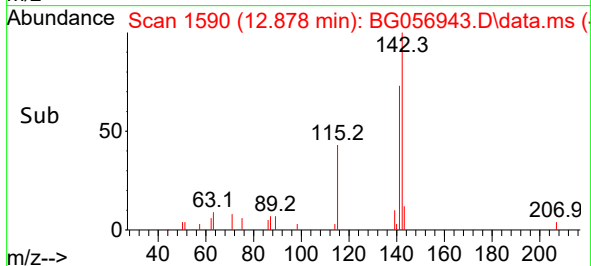
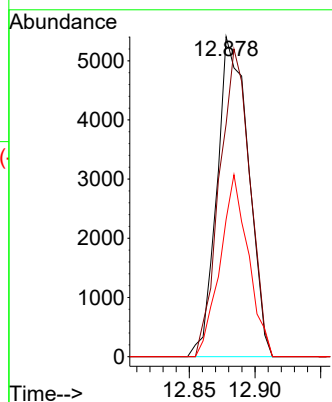
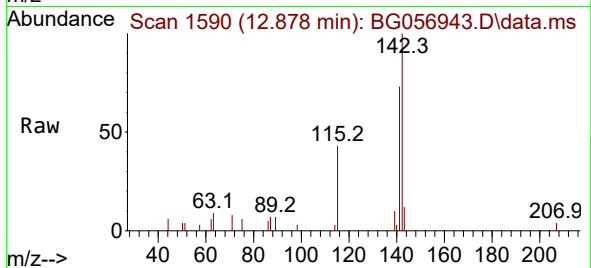
Tgt Ion:142 Resp: 8976

Ion Ratio Lower Upper

142 100

141 72.7 70.3 105.5

115 42.9 33.5 50.3



#38

1-Methylnaphthalene

Concen: 3.614 ng

RT: 13.101 min Scan# 1628

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

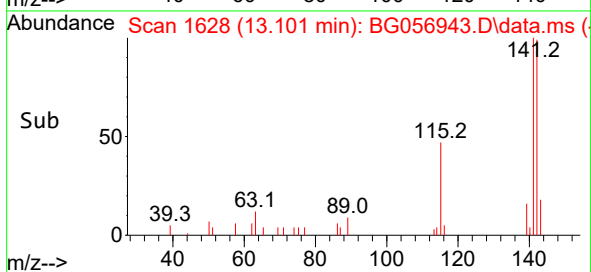
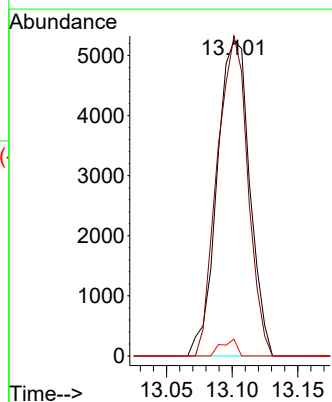
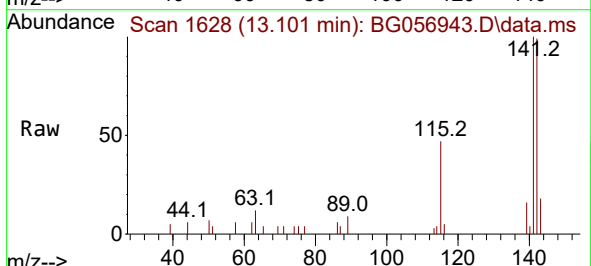
Tgt Ion:142 Resp: 9077

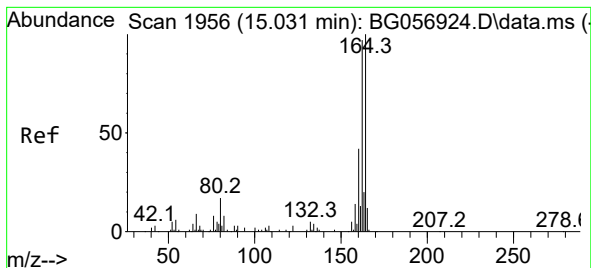
Ion Ratio Lower Upper

142 100

141 101.4 74.0 111.0

116 5.3 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.034 min Scan# 1956

Delta R.T. 0.003 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

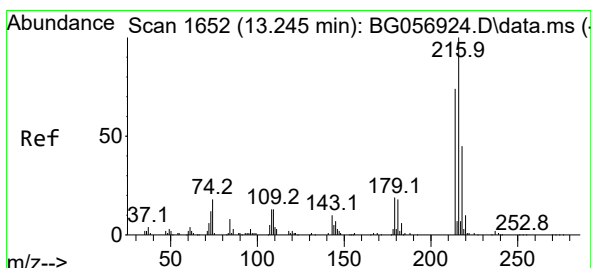
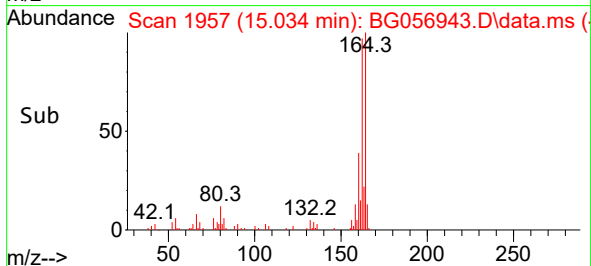
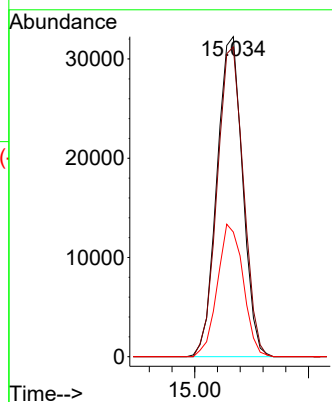
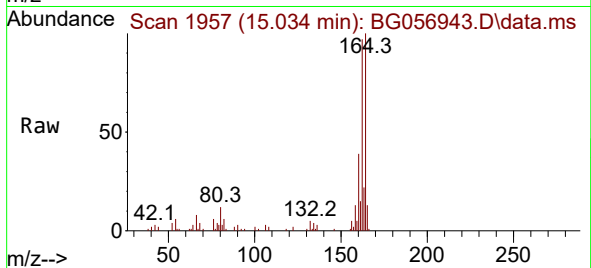
Tgt Ion:164 Resp: 50520

Ion Ratio Lower Upper

164 100

162 96.8 77.8 116.8

160 38.9 33.5 50.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.762 ng

RT: 13.248 min Scan# 1653

Delta R.T. 0.003 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Tgt Ion:216 Resp: 6590

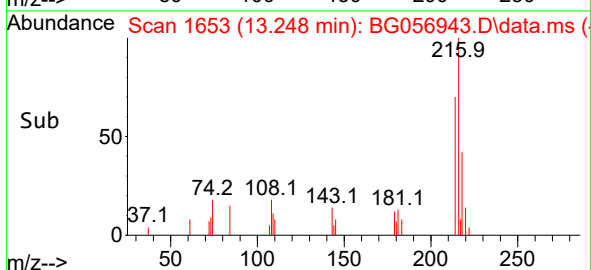
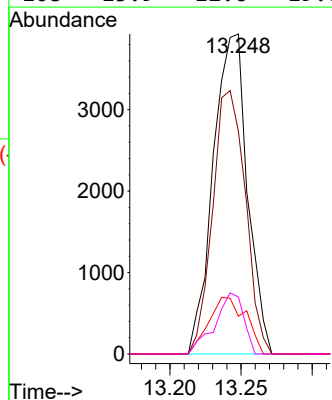
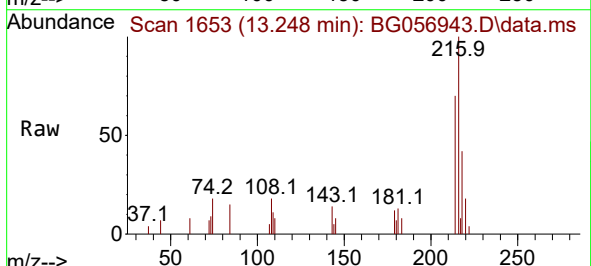
Ion Ratio Lower Upper

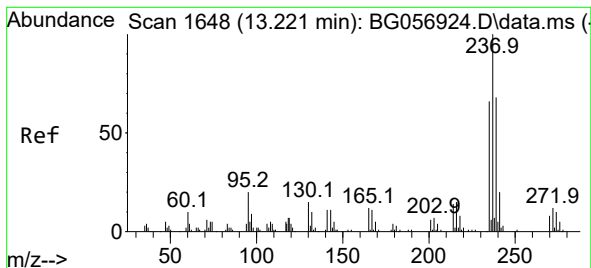
216 100

214 78.5 63.3 94.9

179 19.0 15.0 22.6

108 15.9 12.6 19.0





#41

Hexachlorocyclopentadiene

Concen: 3.140 ng

RT: 13.219 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG056943.D

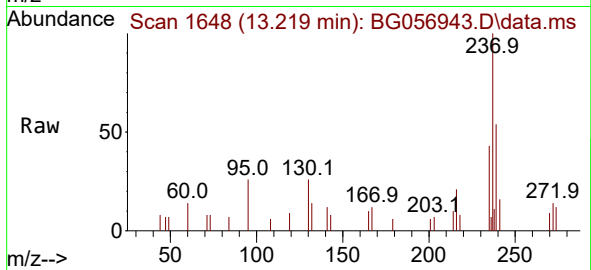
Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



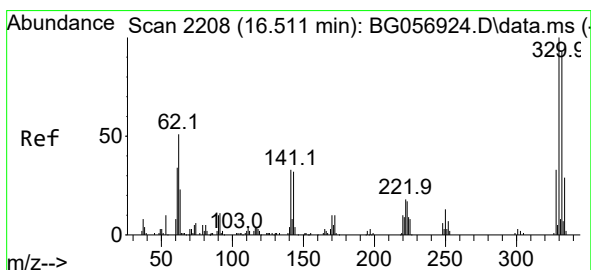
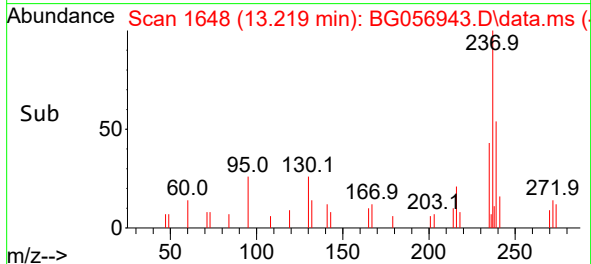
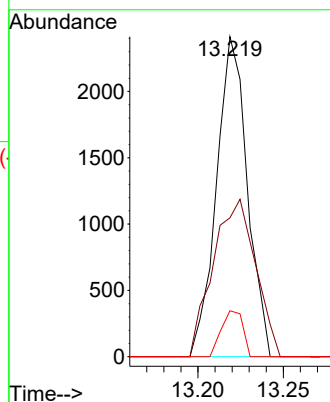
Tgt Ion:237 Resp: 3031

Ion Ratio Lower Upper

237 100

235 43.4 45.9 85.9#

272 14.4 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 105.616 ng

RT: 16.508 min Scan# 2208

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

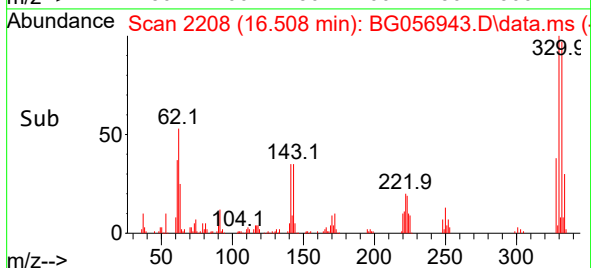
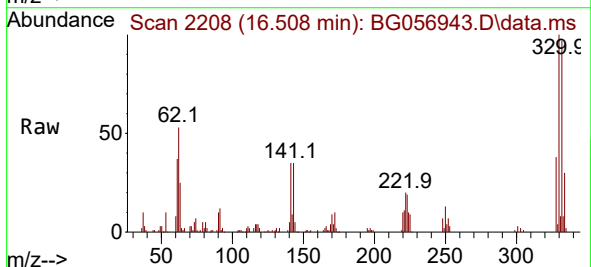
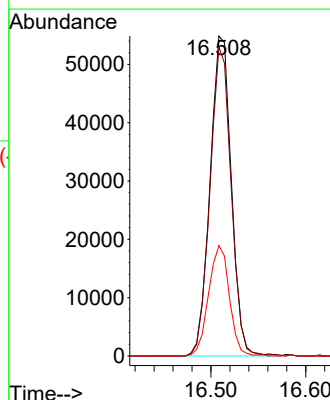
Tgt Ion:330 Resp: 85240

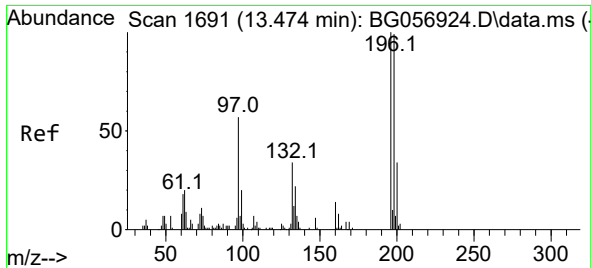
Ion Ratio Lower Upper

330 100

332 96.2 76.1 114.1

141 33.7 25.8 38.6

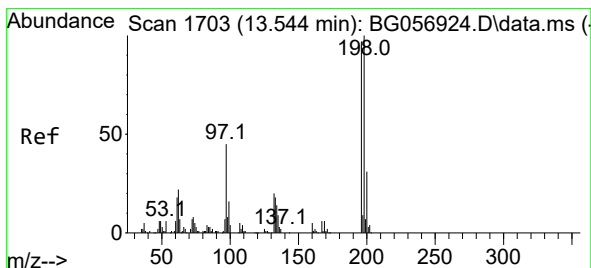
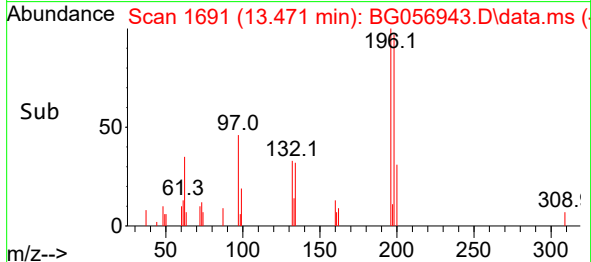
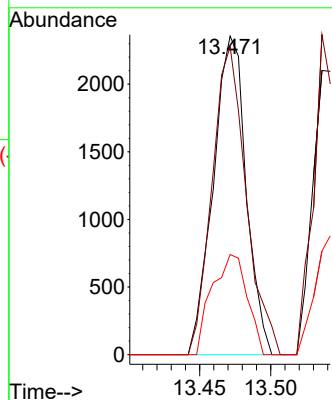
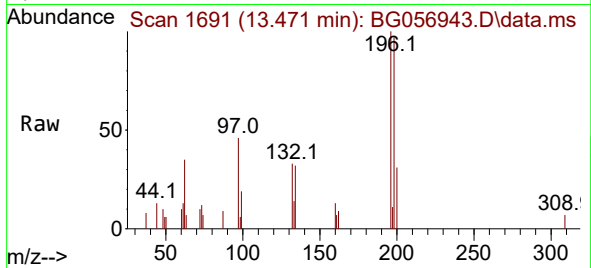




#43
2,4,6-Trichlorophenol
Concen: 3.388 ng
RT: 13.471 min Scan# 1702
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

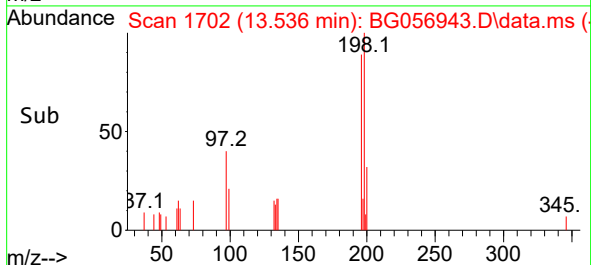
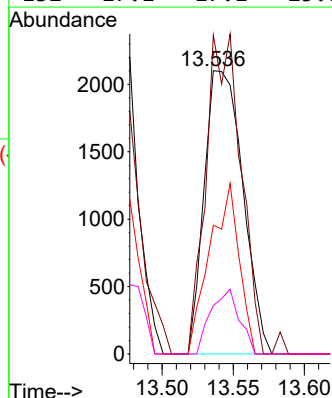
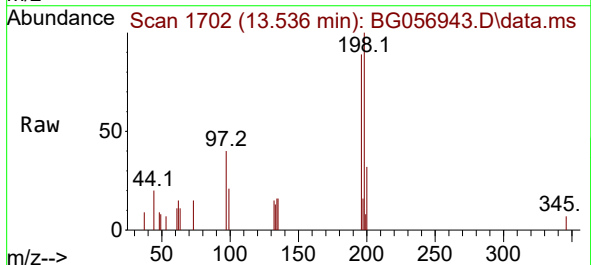
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

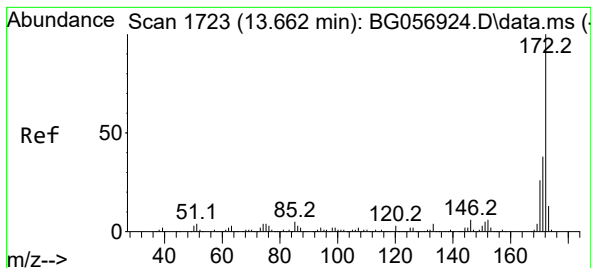
Tgt Ion:196 Resp: 3788
Ion Ratio Lower Upper
196 100
198 96.7 79.1 118.7
200 31.4 27.2 40.8



#44
2,4,5-Trichlorophenol
Concen: 2.990 ng
RT: 13.536 min Scan# 1702
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:196 Resp: 3960
Ion Ratio Lower Upper
196 100
198 112.6 82.5 123.7
97 45.5 37.0 55.6
132 17.1 17.1 25.7





#45

2-Fluorobiphenyl

Concen: 76.807 ng

RT: 13.659 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

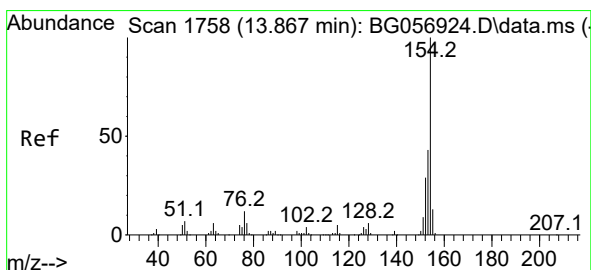
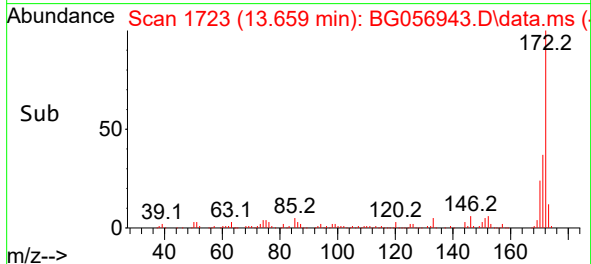
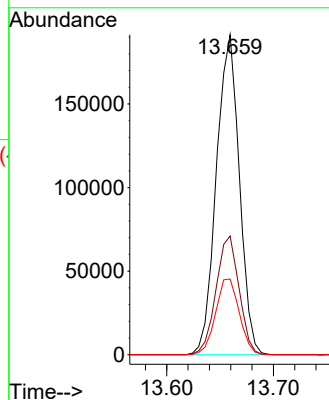
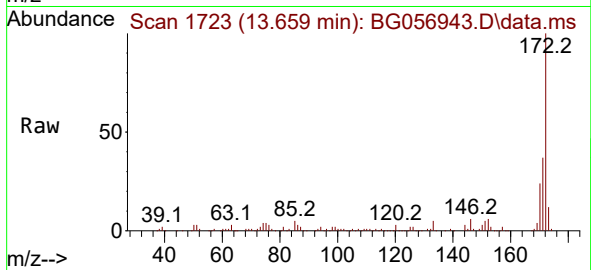
Tgt Ion:172 Resp: 286155

Ion Ratio Lower Upper

172 100

171 37.1 30.6 46.0

170 23.6 20.6 30.8



#46

1,1'-Biphenyl

Concen: 3.904 ng

RT: 13.871 min Scan# 1759

Delta R.T. 0.003 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

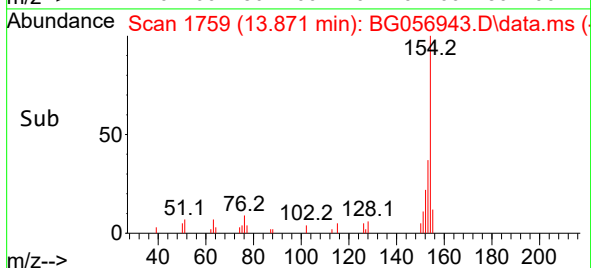
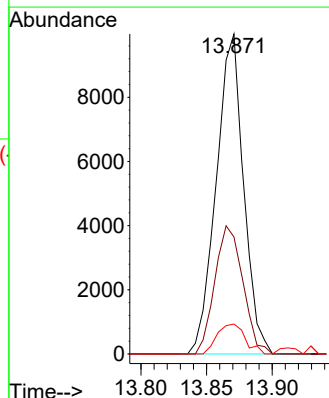
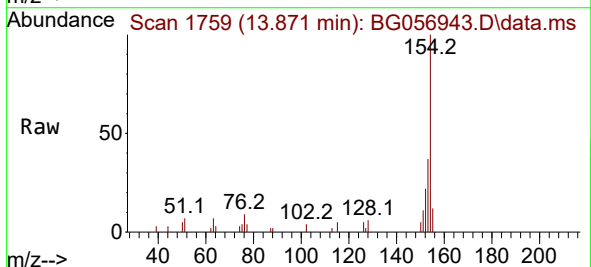
Tgt Ion:154 Resp: 14437

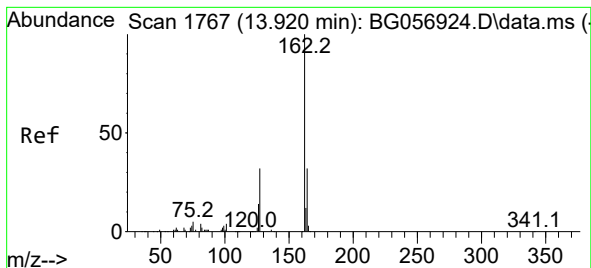
Ion Ratio Lower Upper

154 100

153 36.6 23.4 63.4

76 9.4 0.0 31.6





#47

2-Chloronaphthalene

Concen: 3.907 ng

RT: 13.918 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

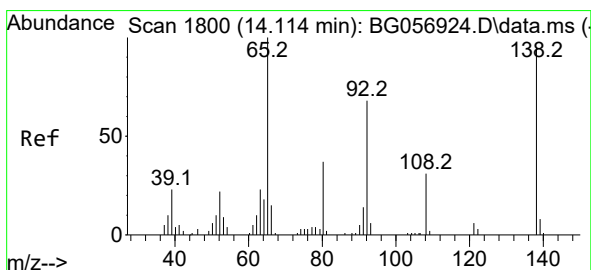
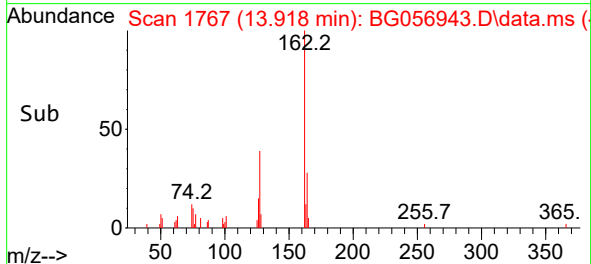
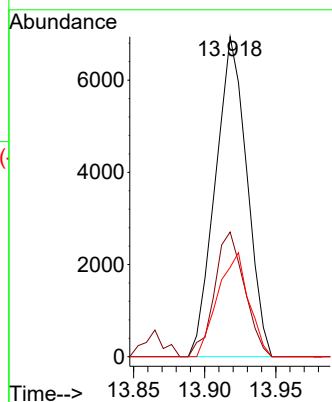
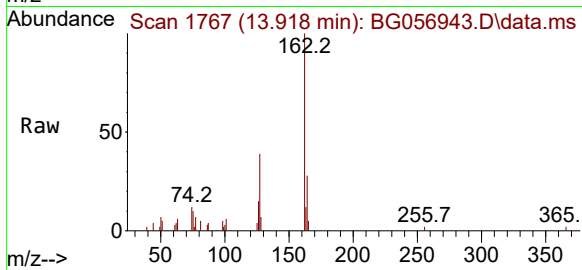
Tgt Ion:162 Resp: 10686

Ion Ratio Lower Upper

162 100

127 38.9 29.5 44.3

164 27.9 25.5 38.3



#48

2-Nitroaniline

Concen: 3.393 ng

RT: 14.106 min Scan# 1799

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

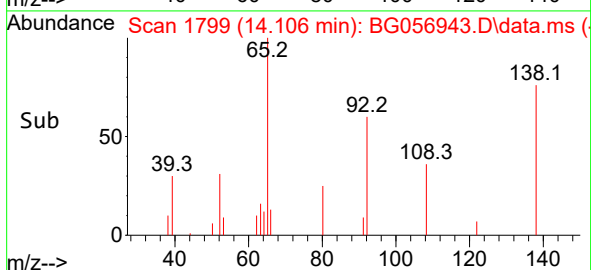
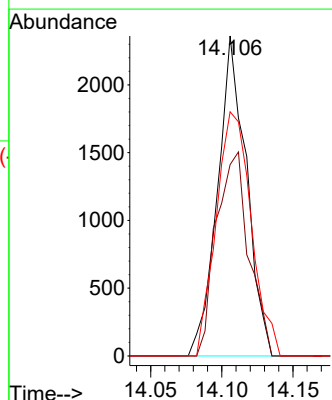
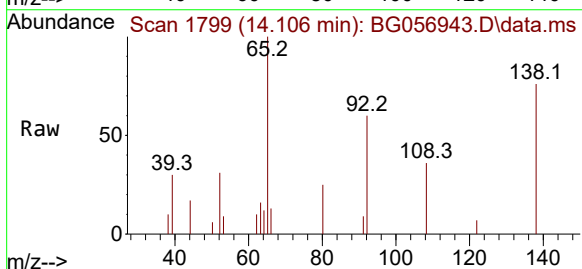
Tgt Ion: 65 Resp: 3318

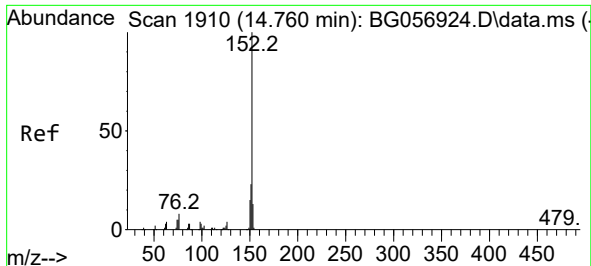
Ion Ratio Lower Upper

65 100

92 59.8 54.3 81.5

138 76.3 76.0 114.0

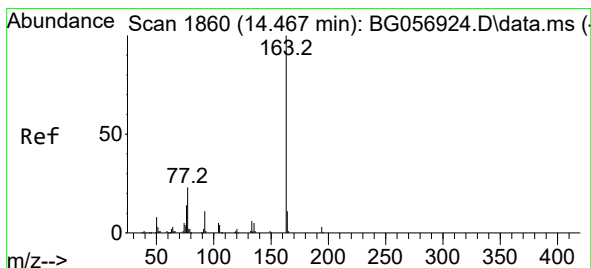
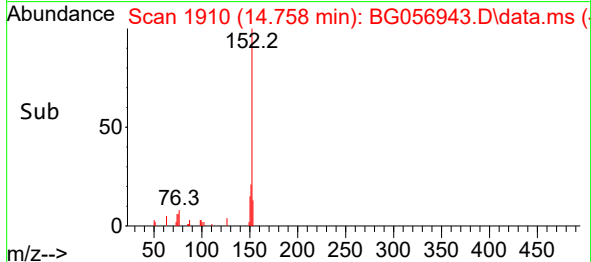
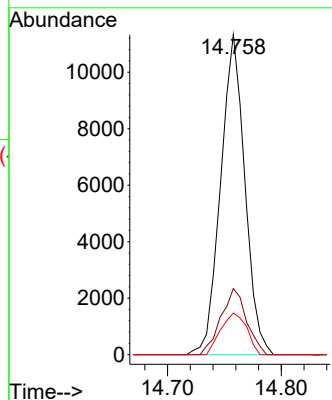
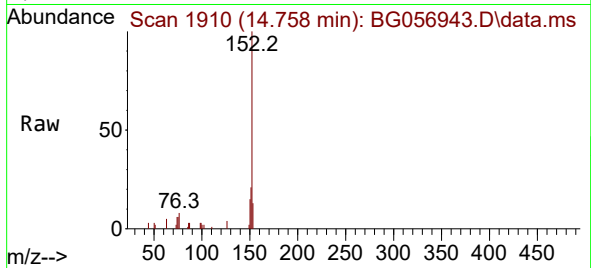




#49
Acenaphthylene
Concen: 3.729 ng
RT: 14.758 min Scan# 1910
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

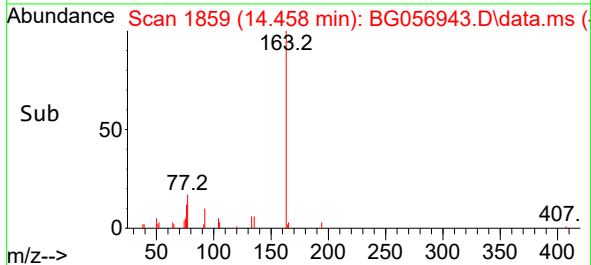
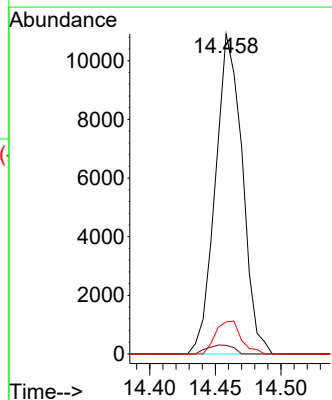
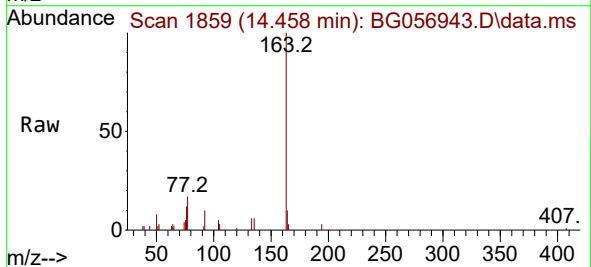
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:152 Resp: 16756
Ion Ratio Lower Upper
152 100
151 20.7 18.2 27.2
153 13.0 10.5 15.7



#50
Dimethylphthalate
Concen: 3.903 ng
RT: 14.458 min Scan# 1859
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:163 Resp: 15538
Ion Ratio Lower Upper
163 100
194 2.7 2.8 4.2#
164 10.0 8.8 13.2

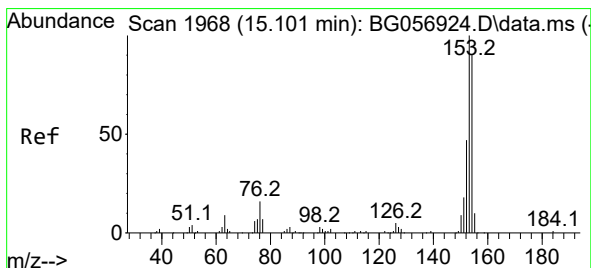
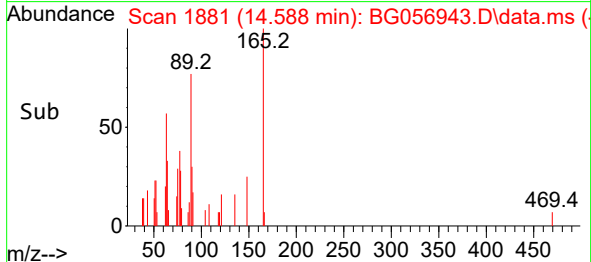
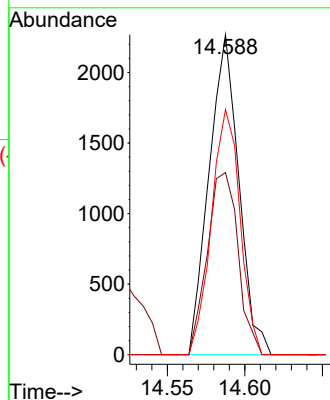
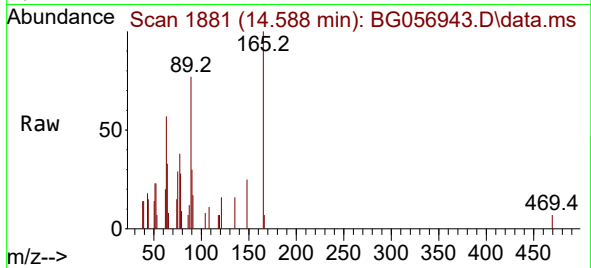




#51
2,6-Dinitrotoluene
Concen: 3.516 ng
RT: 14.588 min Scan# 1881
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

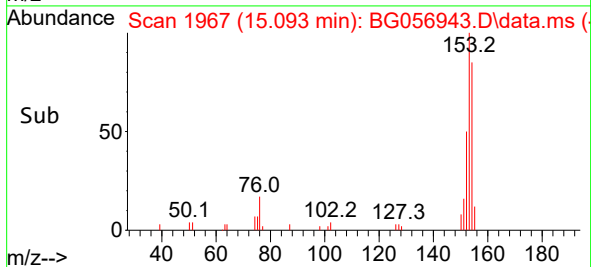
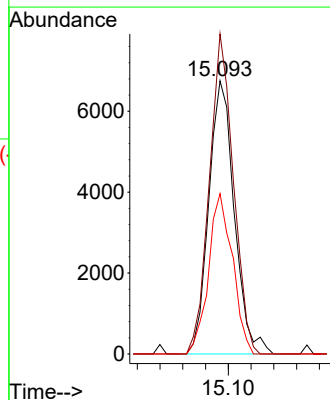
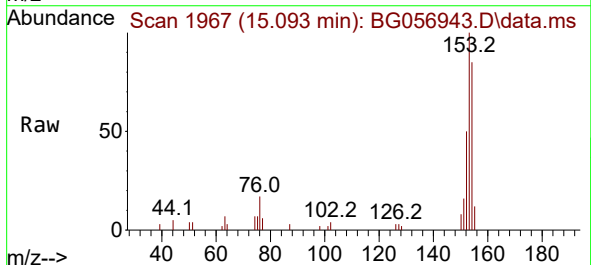
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

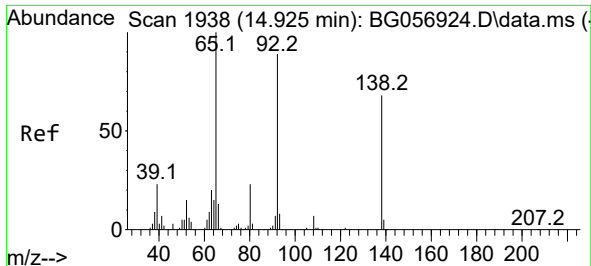
Tgt Ion:165 Resp: 3024
Ion Ratio Lower Upper
165 100
63 56.9 53.0 79.6
89 76.6 51.0 76.4#



#52
Acenaphthene
Concen: 3.394 ng
RT: 15.093 min Scan# 1967
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:154 Resp: 10518
Ion Ratio Lower Upper
154 100
153 117.2 88.9 133.3
152 58.7 41.8 62.8

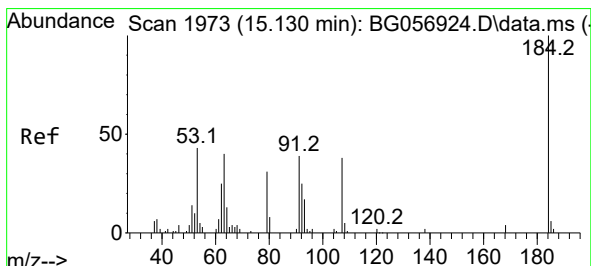
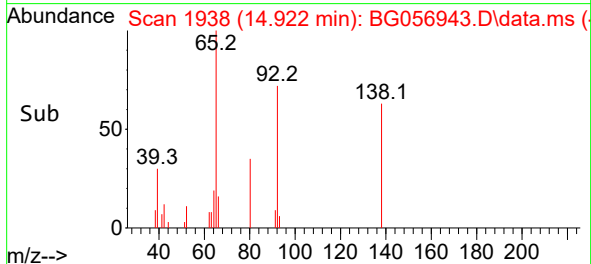
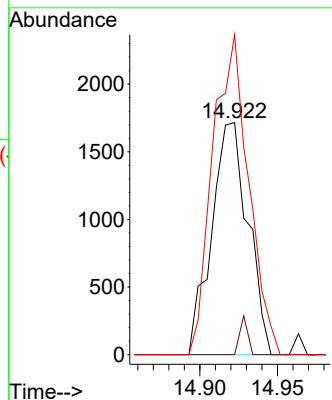
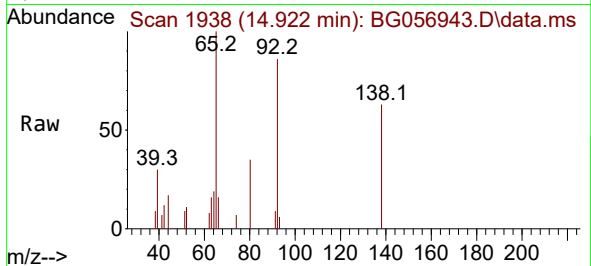




#53
3-Nitroaniline
Concen: 3.290 ng
RT: 14.922 min Scan# 1938
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

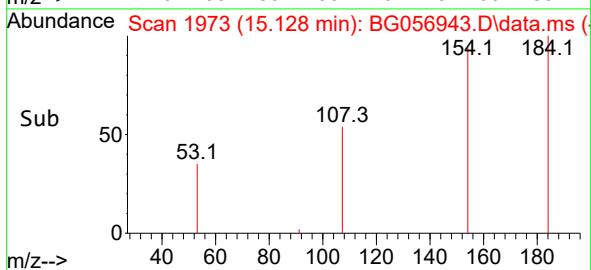
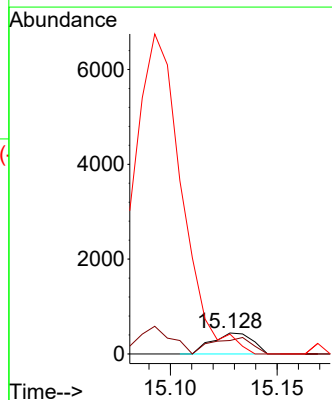
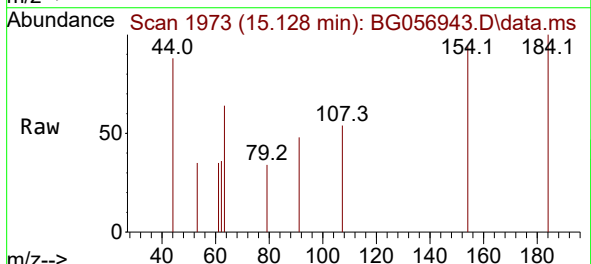
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:138 Resp: 2801
Ion Ratio Lower Upper
138 100
108 0.0 8.2 12.2#
92 137.8 105.2 157.8



#54
2,4-Dinitrophenol
Concen: 1.198 ng
RT: 15.128 min Scan# 1973
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:184 Resp: 580
Ion Ratio Lower Upper
184 100
63 64.0 46.5 69.7
154 94.3 53.5 80.3#

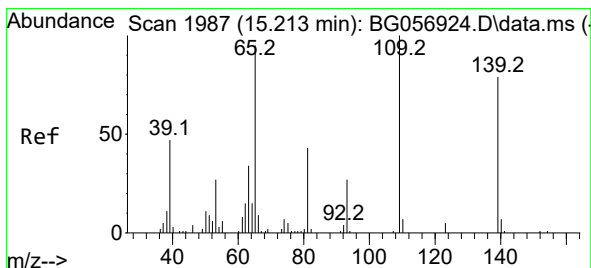
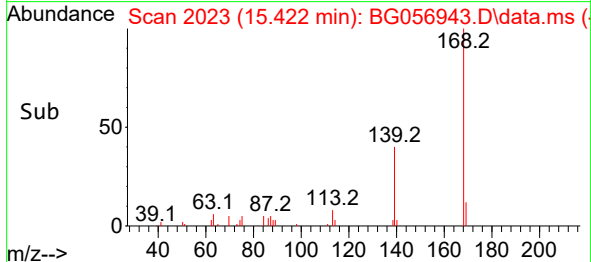
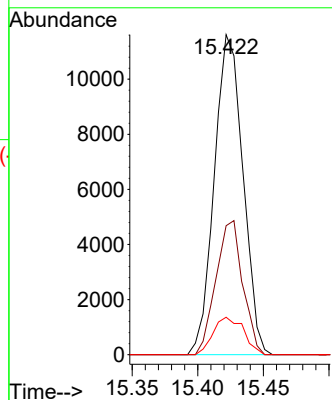
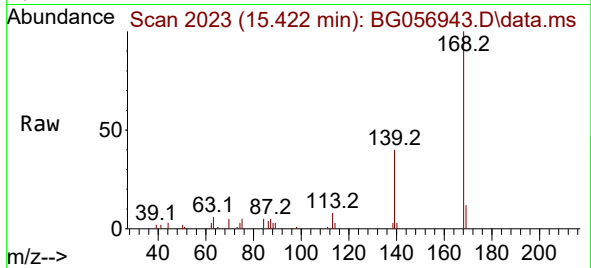




#55
Dibenzenofuran
Concen: 3.791 ng
RT: 15.422 min Scan# 20
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

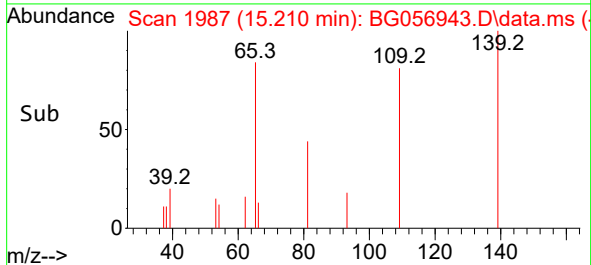
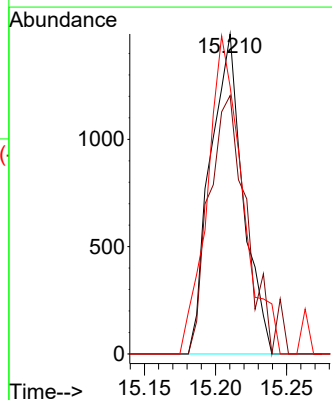
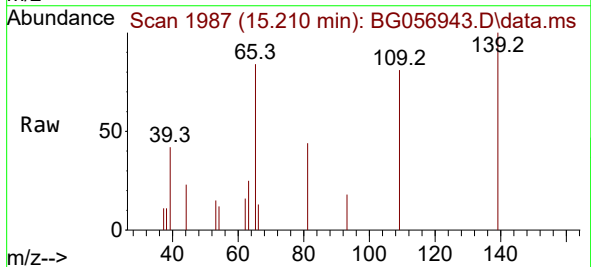
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

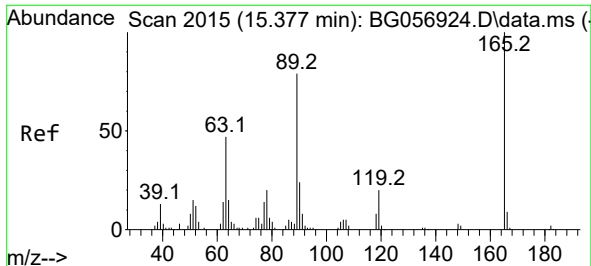
Tgt Ion:168 Resp: 17633
Ion Ratio Lower Upper
168 100
139 40.3 28.9 43.3
169 11.7 9.8 14.6



#56
4-Nitrophenol
Concen: 3.786 ng
RT: 15.210 min Scan# 1987
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:139 Resp: 2383
Ion Ratio Lower Upper
139 100
109 80.8 106.7 146.7#
65 83.6 100.5 140.5#





#57

2,4-Dinitrotoluene

Concen: 3.173 ng

RT: 15.369 min Scan# 2015

Delta R.T. -0.008 min

Lab File: BG056943.D

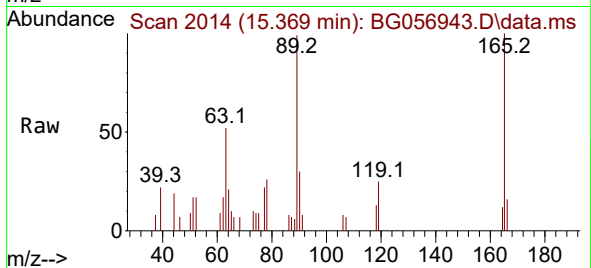
Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:165 Resp: 3849

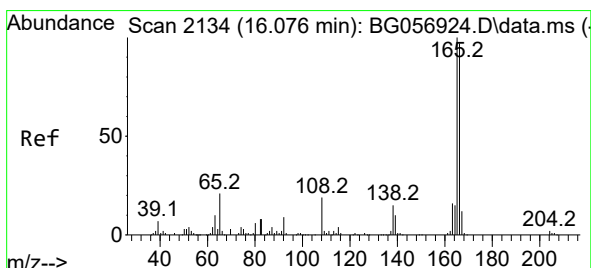
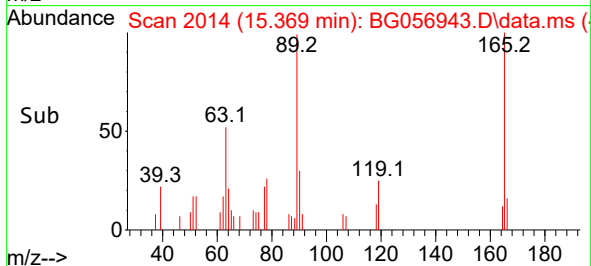
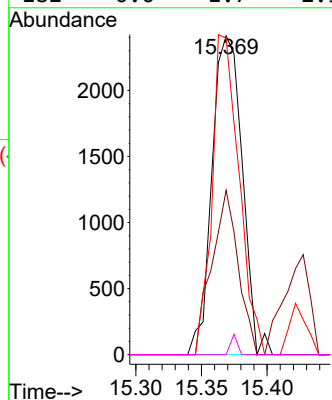
Ion Ratio Lower Upper

165 100

63 51.5 37.7 56.5

89 99.2 63.2 94.8#

182 0.0 1.7 2.5#



#58

Fluorene

Concen: 3.847 ng

RT: 16.074 min Scan# 2134

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

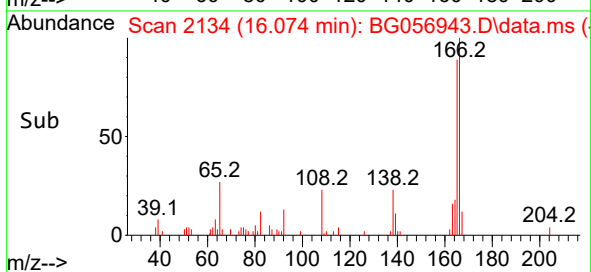
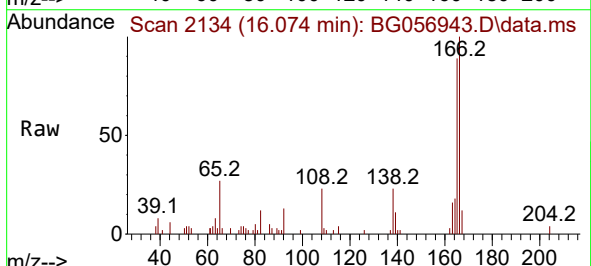
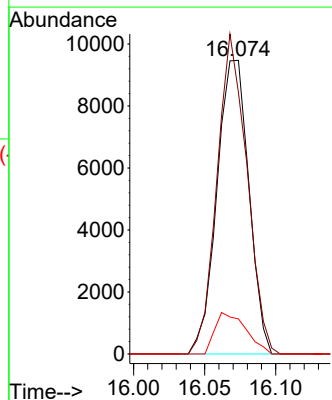
Tgt Ion:166 Resp: 14807

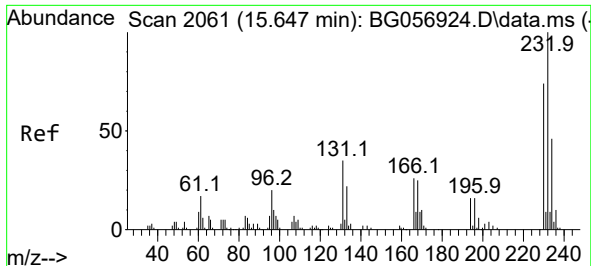
Ion Ratio Lower Upper

166 100

165 89.1 82.6 123.8

167 11.9 10.2 15.2

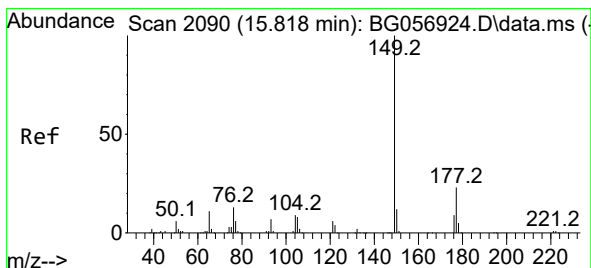
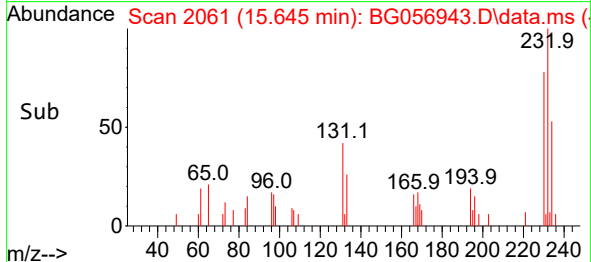
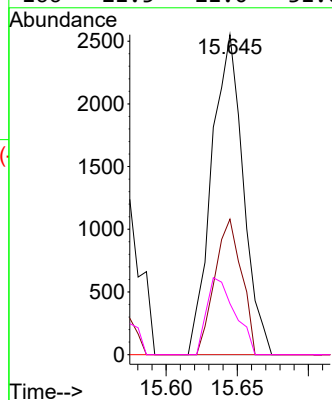
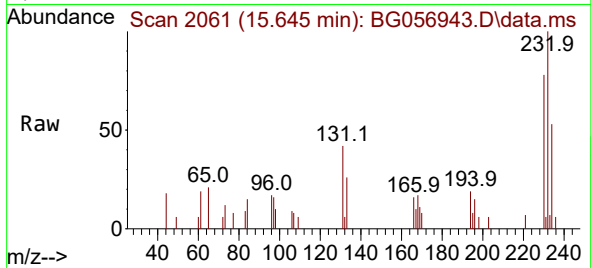




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.267 ng
RT: 15.645 min Scan# 2061
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

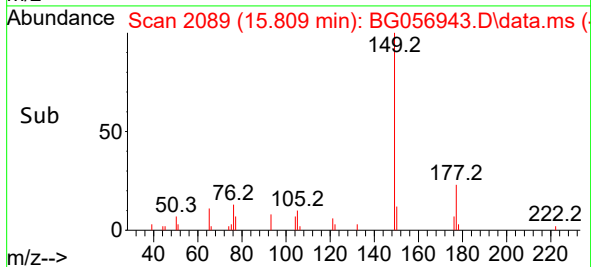
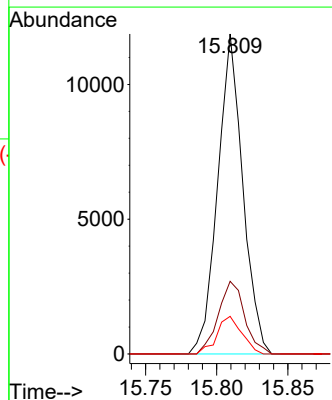
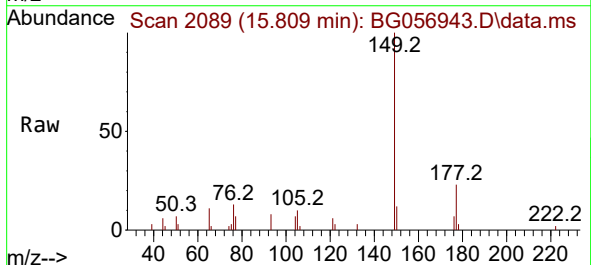
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

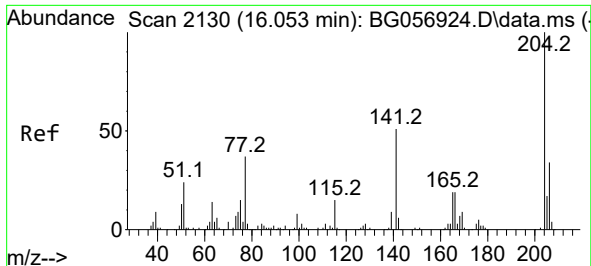
Tgt Ion:	232	Resp:	3939
Ion	Ratio	Lower	Upper
232	100		
131	36.0	29.3	43.9
130	0.0	1.7	2.5
166	21.5	21.0	31.6



#60
Diethylphthalate
Concen: 3.642 ng
RT: 15.809 min Scan# 2089
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:	149	Resp:	14534
Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.8	28.2
150	11.7	9.4	14.2

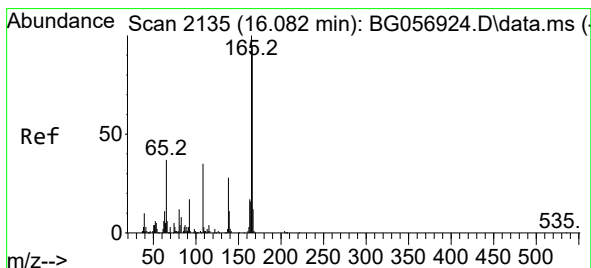
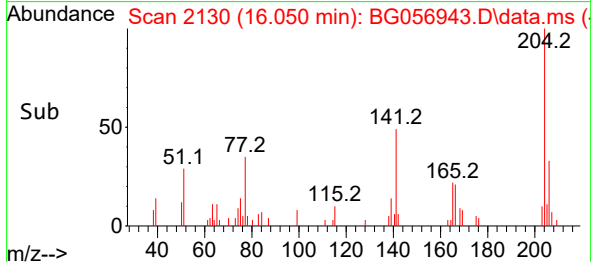
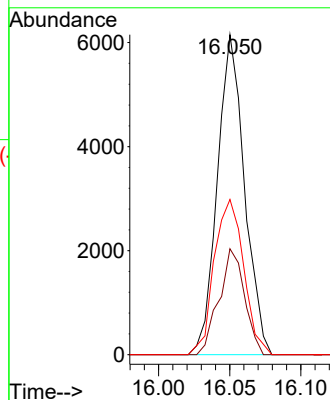
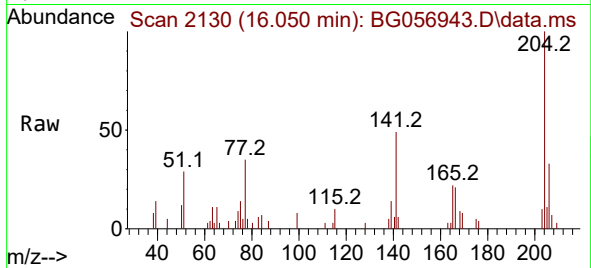




#61
4-Chlorophenyl-phenylether
Concen: 3.614 ng
RT: 16.050 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

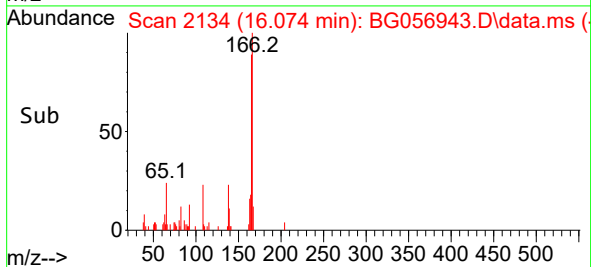
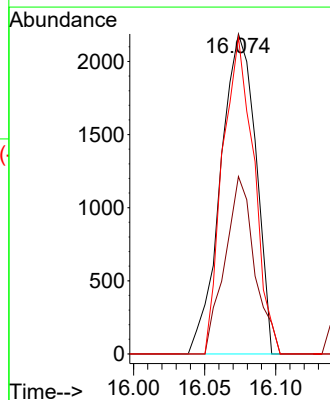
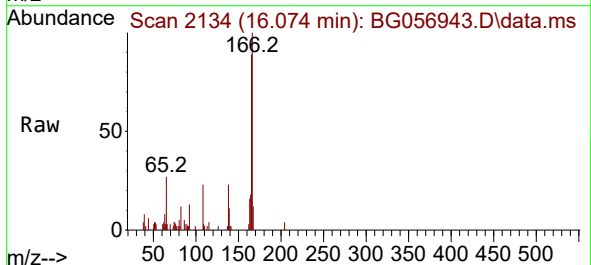
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

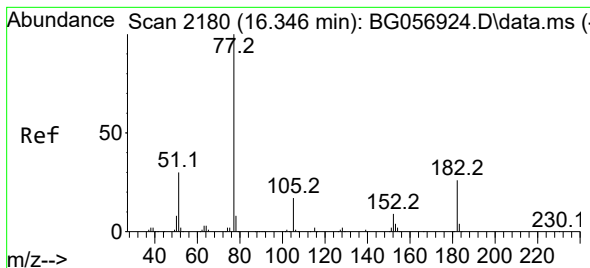
Tgt Ion:204 Resp: 8168
Ion Ratio Lower Upper
204 100
206 33.1 27.2 40.8
141 48.5 40.7 61.1



#62
4-Nitroaniline
Concen: 4.272 ng
RT: 16.074 min Scan# 2134
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:138 Resp: 3768
Ion Ratio Lower Upper
138 100
92 55.4 40.9 80.9
108 99.0 104.3 144.3#





#63

Azobenzene

Concen: 3.724 ng

RT: 16.344 min Scan# 2180

Delta R.T. -0.002 min

Lab File: BG056943.D

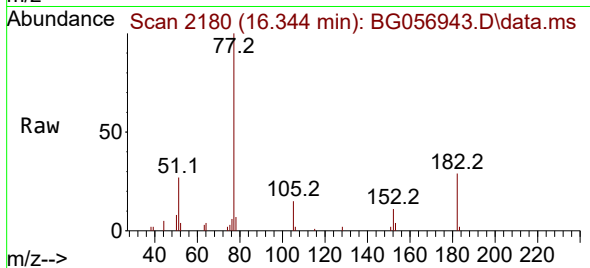
Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 77 Resp: 14809

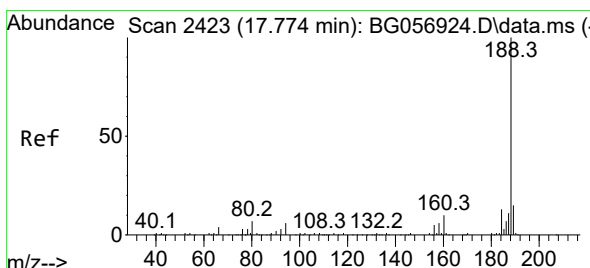
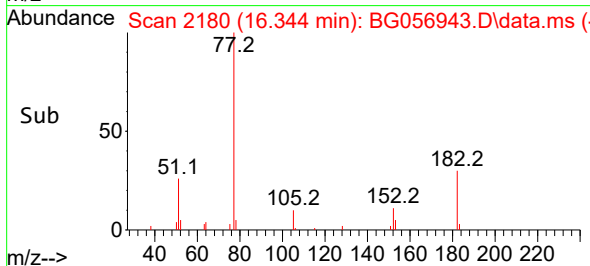
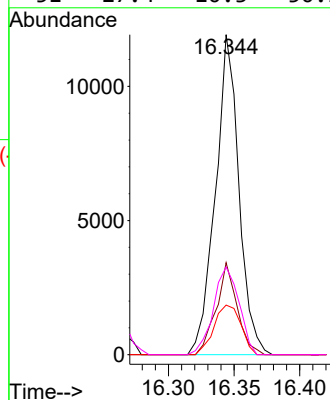
Ion Ratio Lower Upper

77 100

182 28.7 5.9 45.9

105 15.5 0.0 36.8

51 27.4 10.3 50.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.771 min Scan# 2423

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

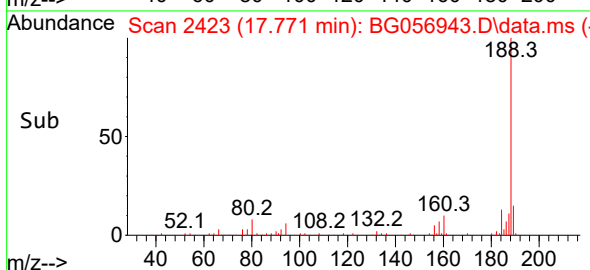
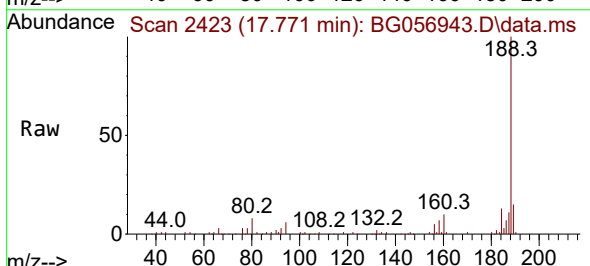
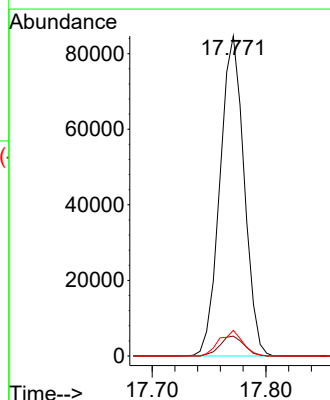
Tgt Ion:188 Resp: 124797

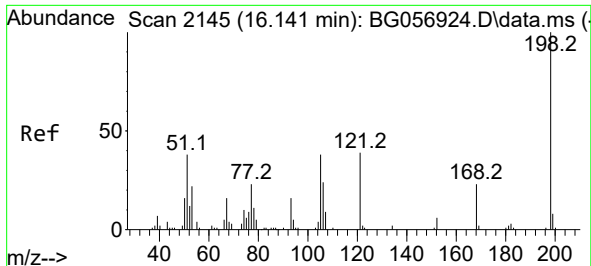
Ion Ratio Lower Upper

188 100

94 6.2 4.6 6.8

80 8.0 5.5 8.3

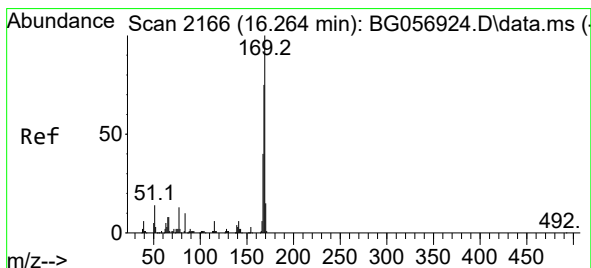
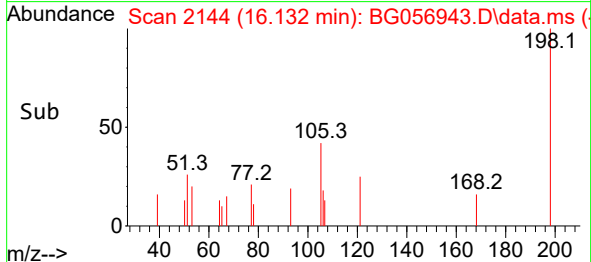
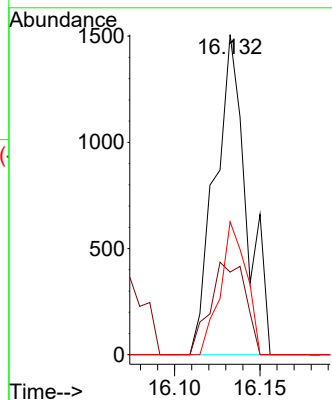
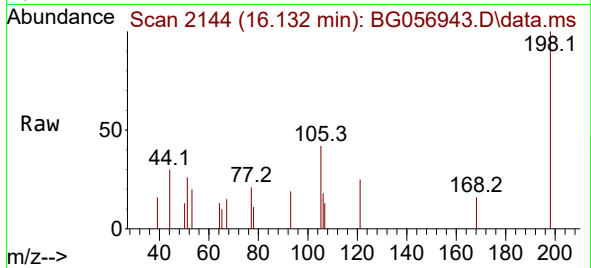




#65
4,6-Dinitro-2-methylphenol
Concen: 2.557 ng
RT: 16.132 min Scan# 2145
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

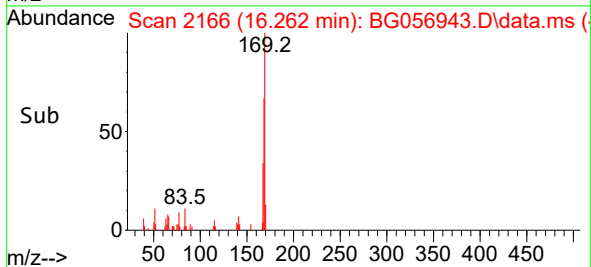
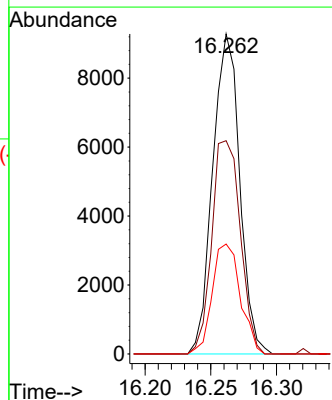
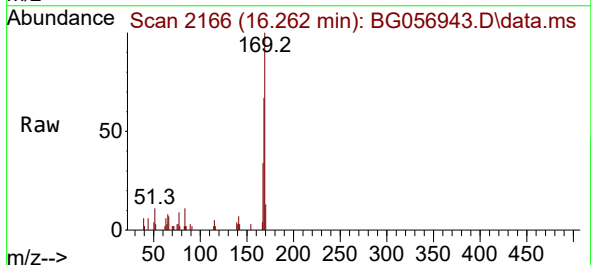
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

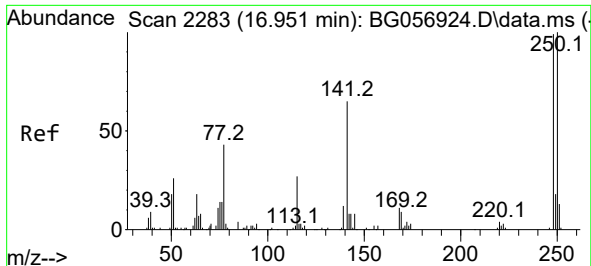
Tgt Ion:198 Resp: 1933
Ion Ratio Lower Upper
198 100
51 25.8 20.5 60.5
105 41.5 18.1 58.1



#66
n-Nitrosodiphenylamine
Concen: 3.961 ng
RT: 16.262 min Scan# 2166
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:169 Resp: 13269
Ion Ratio Lower Upper
169 100
168 66.6 59.6 89.4
167 34.3 31.8 47.8

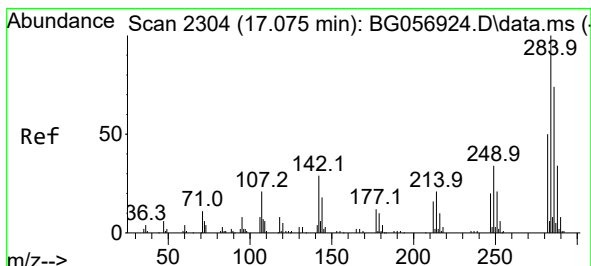
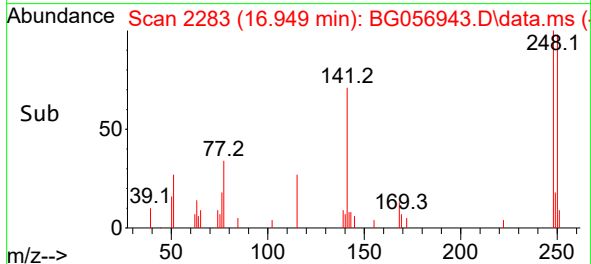
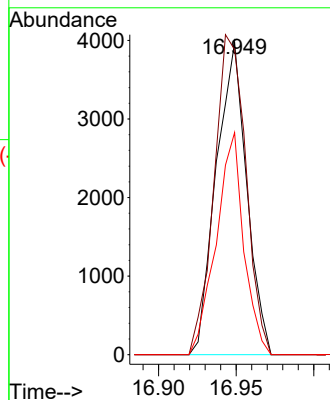
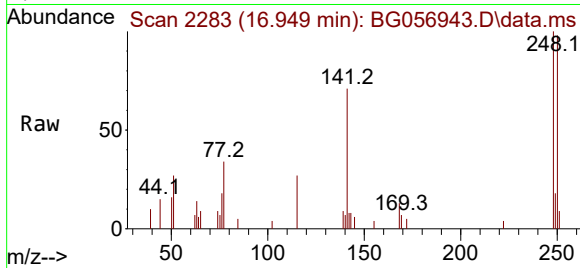




#67
4-Bromophenyl-phenylether
Concen: 3.510 ng
RT: 16.949 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

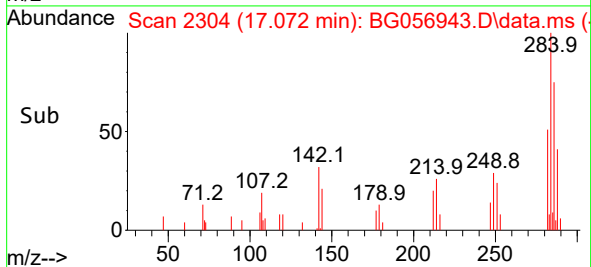
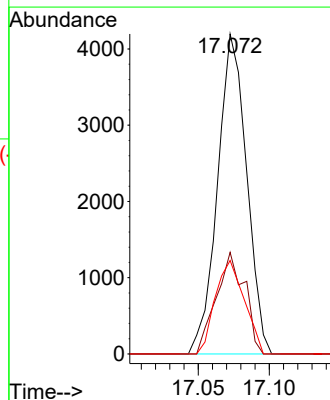
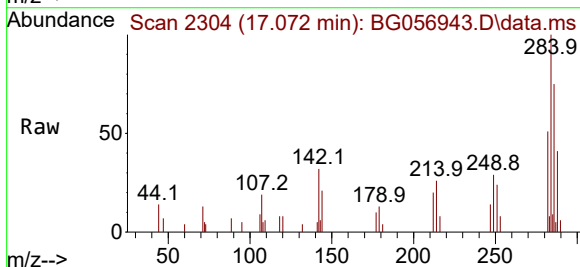
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

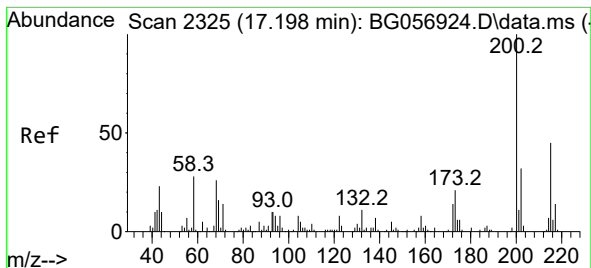
Tgt Ion:248 Resp: 5420
Ion Ratio Lower Upper
248 100
250 97.7 80.5 120.7
141 71.1 52.0 78.0



#68
Hexachlorobenzene
Concen: 3.908 ng
RT: 17.072 min Scan# 2304
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:284 Resp: 5966
Ion Ratio Lower Upper
284 100
142 31.8 23.0 34.4
249 29.2 27.1 40.7





#69

Atrazine

Concen: 4.163 ng

RT: 17.190 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

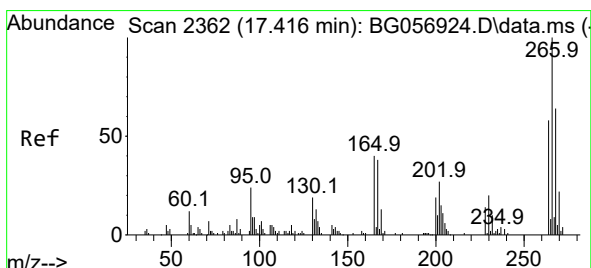
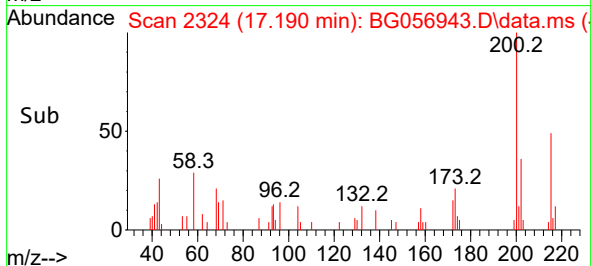
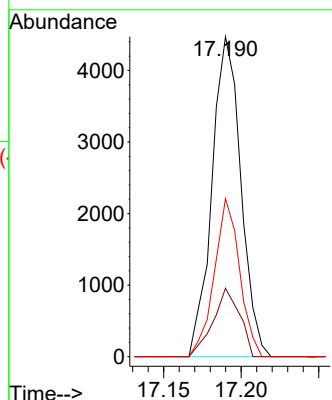
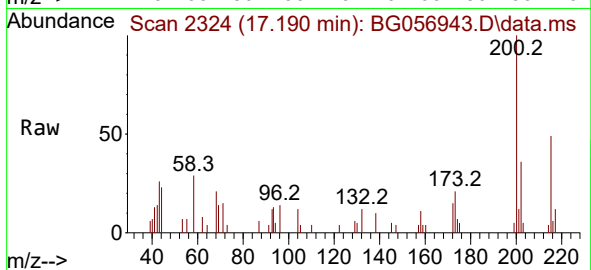
Tgt Ion:200 Resp: 5789

Ion Ratio Lower Upper

200 100

173 21.4 1.0 41.0

215 49.4 25.0 65.0



#70

Pentachlorophenol

Concen: 1.949 ng

RT: 17.407 min Scan# 2361

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

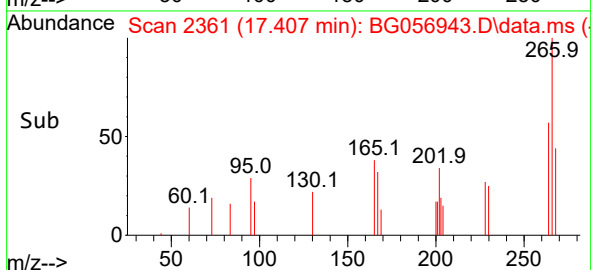
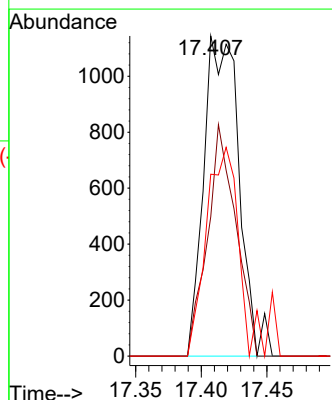
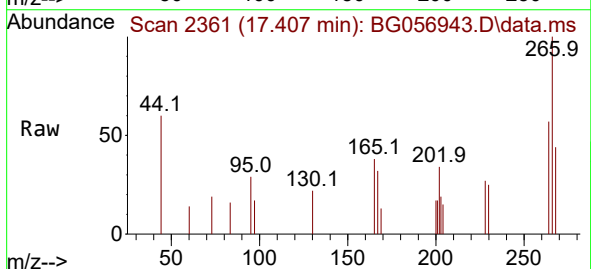
Tgt Ion:266 Resp: 2135

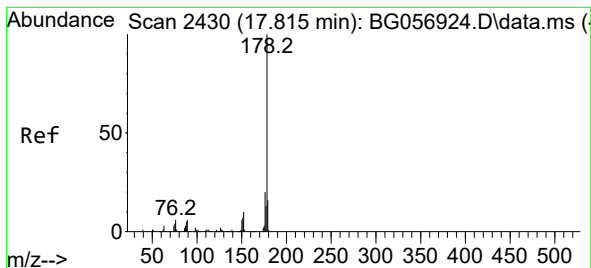
Ion Ratio Lower Upper

266 100

268 43.5 51.0 76.6#

264 56.8 46.8 70.2





#71

Phenanthrene

Concen: 3.963 ng

RT: 17.813 min Scan# 2430

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

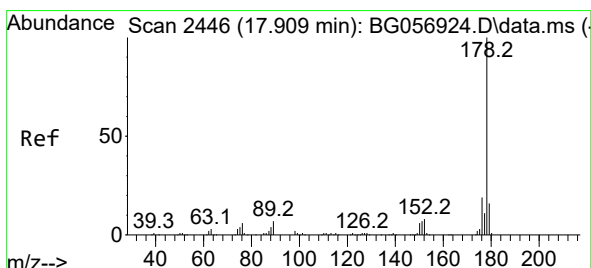
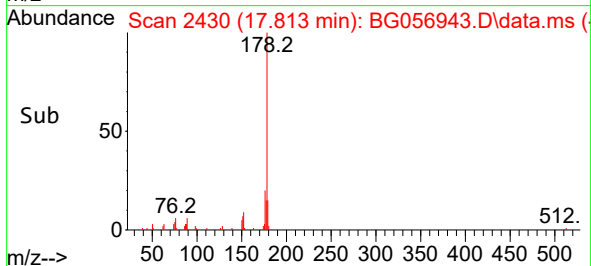
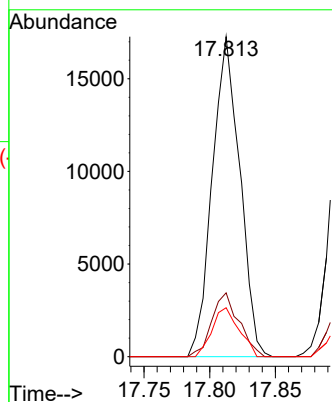
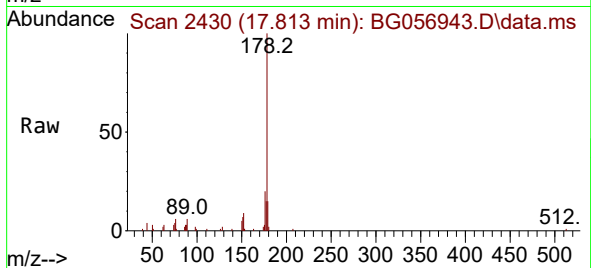
Tgt Ion:178 Resp: 25214

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.2

179 15.3 12.5 18.7



#72

Anthracene

Concen: 3.836 ng

RT: 17.907 min Scan# 2446

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

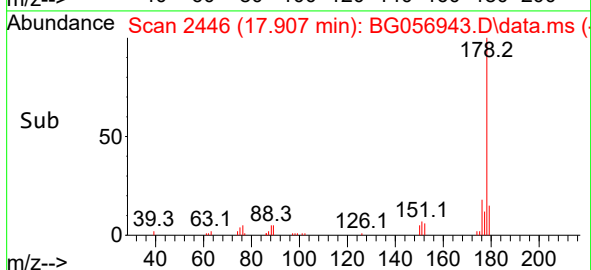
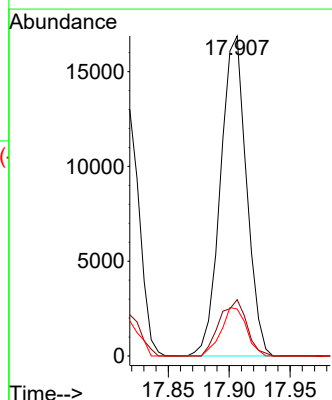
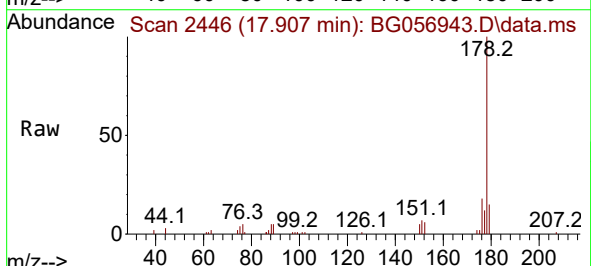
Tgt Ion:178 Resp: 25019

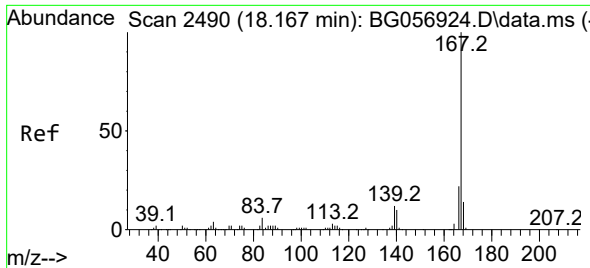
Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

179 14.6 12.4 18.6

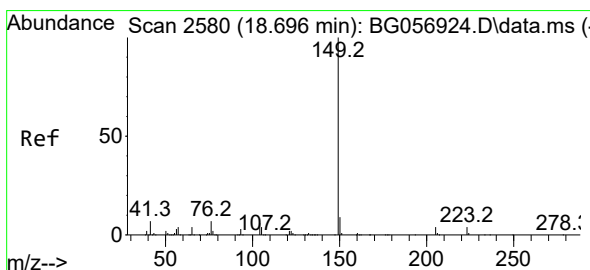
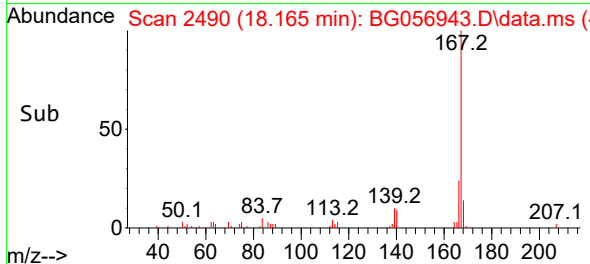
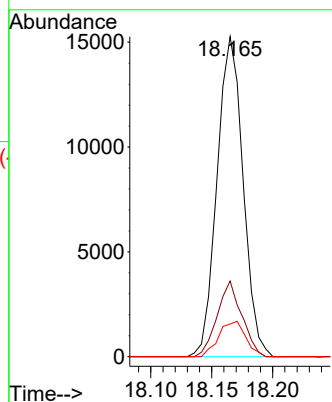
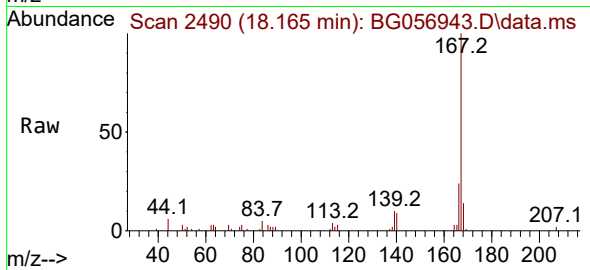




#73
 Carbazole
 Concen: 3.984 ng
 RT: 18.165 min Scan# 2490
 Delta R.T. -0.002 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

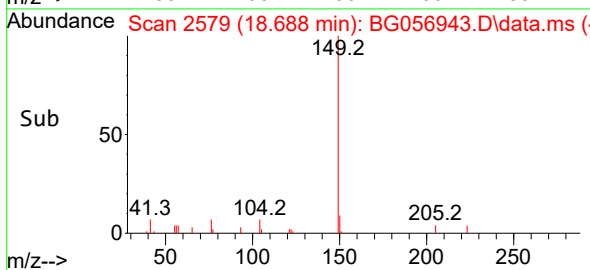
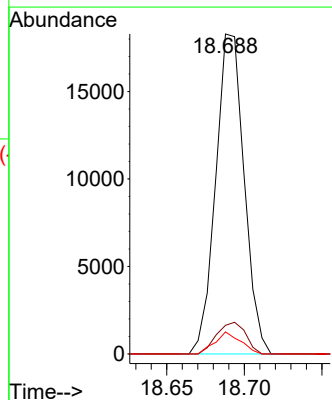
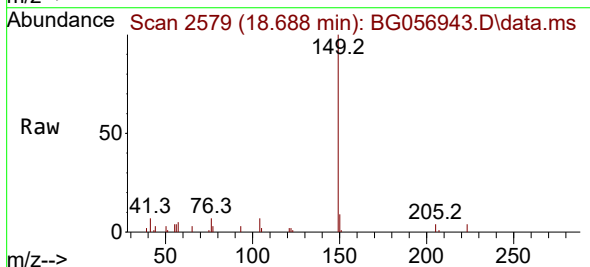
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

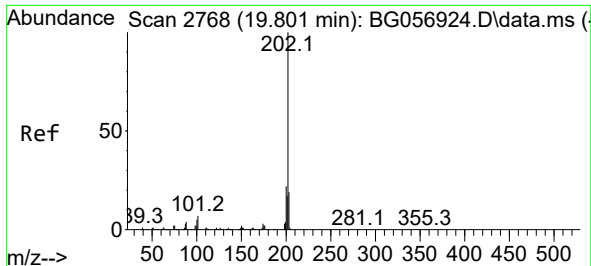
Tgt Ion:167	Resp:	22659
Ion Ratio	Lower	Upper
167	100	
166	23.7	17.9 26.9
139	10.2	9.5 14.3



#74
 Di-n-butylphthalate
 Concen: 3.546 ng
 RT: 18.688 min Scan# 2579
 Delta R.T. -0.008 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

Tgt Ion:149	Resp:	23354
Ion Ratio	Lower	Upper
149	100	
150	8.9	7.4 11.0
104	6.9	4.9 7.3

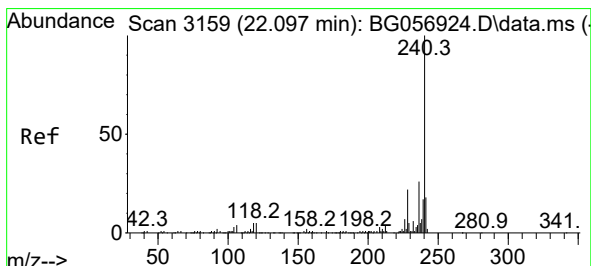
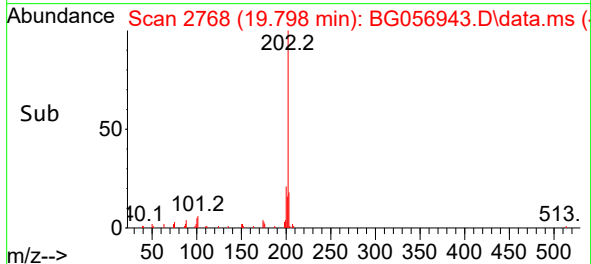
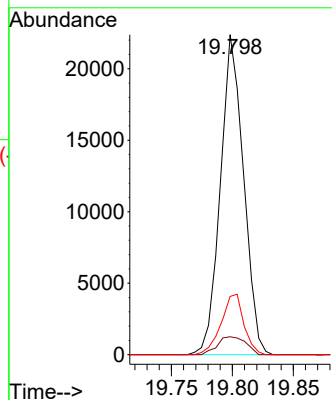
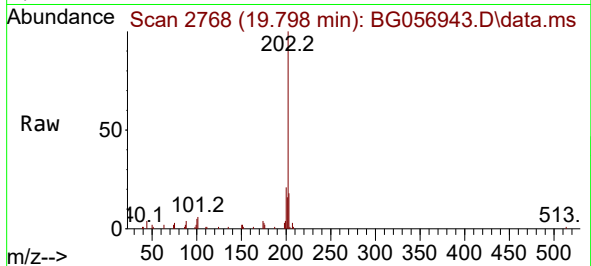




#75
Fluoranthene
Concen: 3.670 ng
RT: 19.798 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

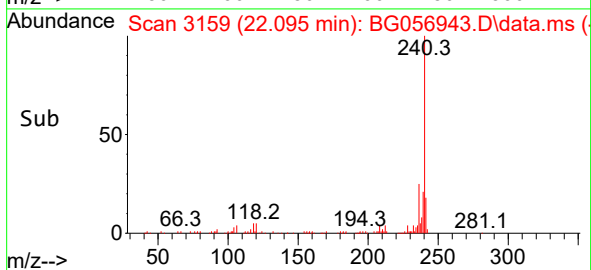
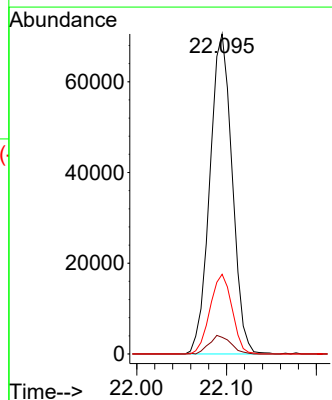
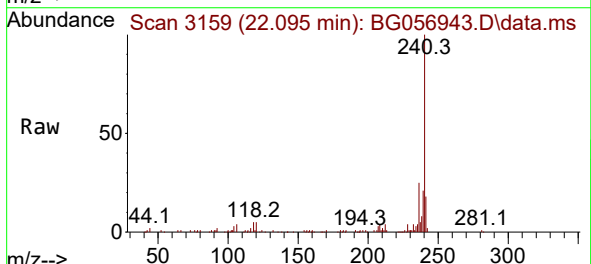
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

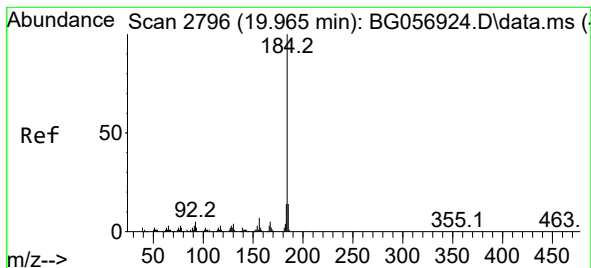
Tgt Ion:	202	Resp:	29599
Ion Ratio	Lower	Upper	
202	100		
101	5.6	0.0	26.7
203	18.2	0.0	39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.095 min Scan# 3159
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:	240	Resp:	121746
Ion Ratio	Lower	Upper	
240	100		
120	5.2	3.8	5.6
236	24.9	21.0	31.6





#77

Benzidine

Concen: 5.358 ng

RT: 19.963 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

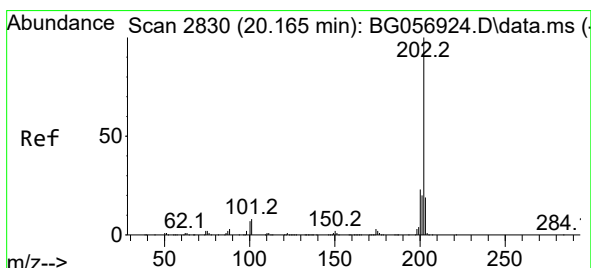
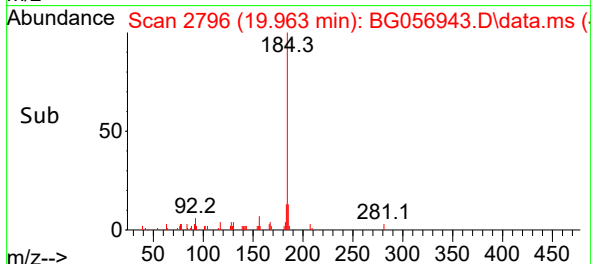
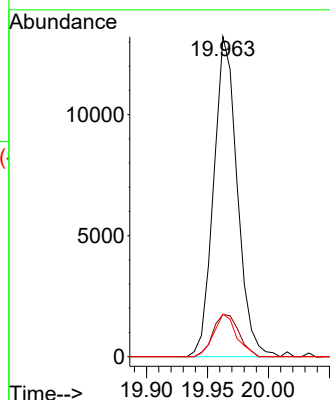
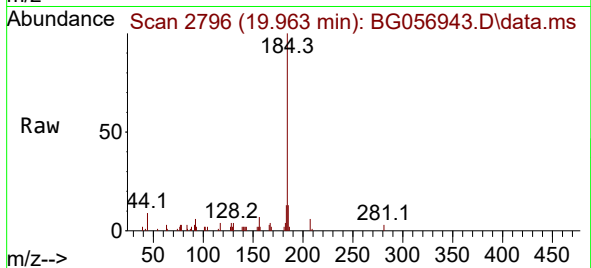
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:184	Resp:	17829
Ion Ratio	Lower	Upper
184	100	
185	13.2	11.0 16.4
183	13.3	11.4 17.0



#78

Pyrene

Concen: 3.643 ng

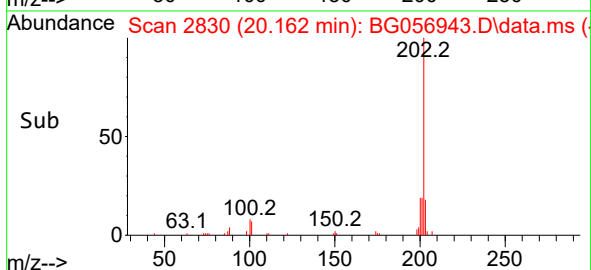
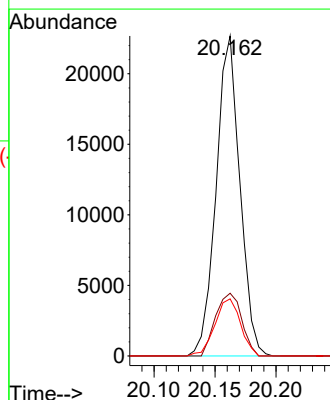
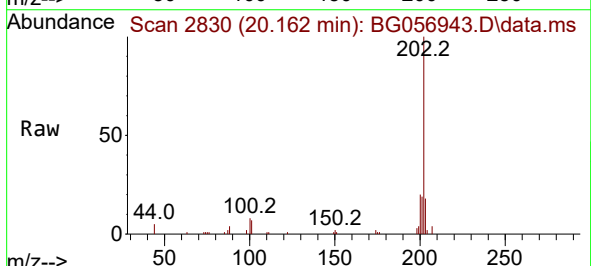
RT: 20.162 min Scan# 2830

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Tgt Ion:202	Resp:	30678
Ion Ratio	Lower	Upper
202	100	
200	19.6	18.7 28.1
203	17.8	15.4 23.2

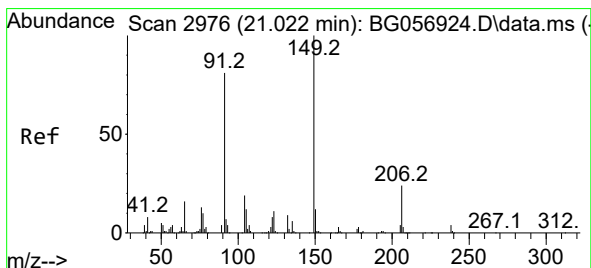
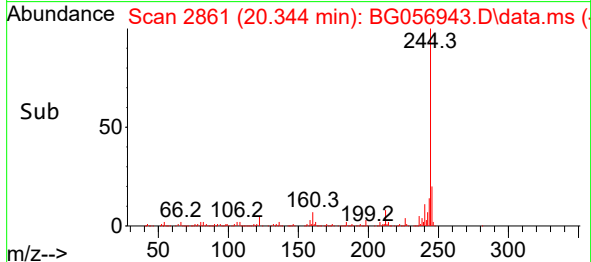
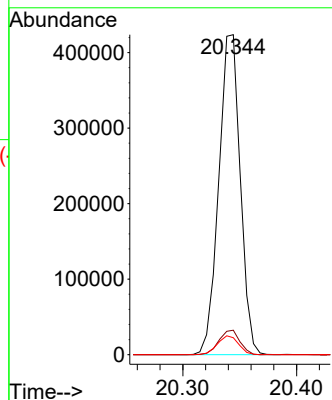
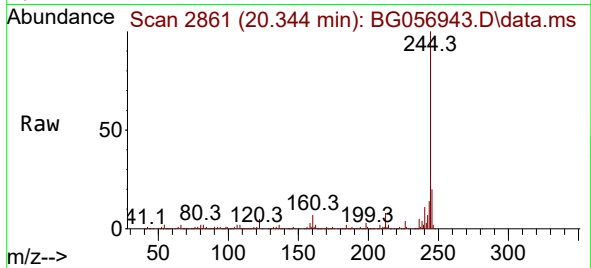




#79
 Terphenyl-d14
 Concen: 77.477 ng
 RT: 20.344 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

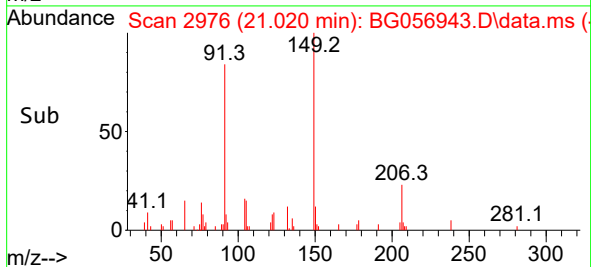
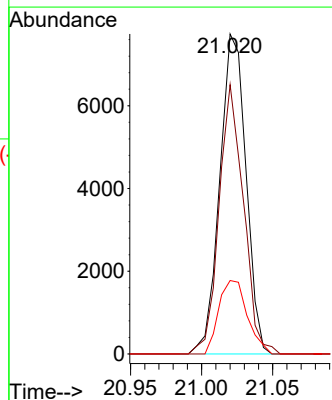
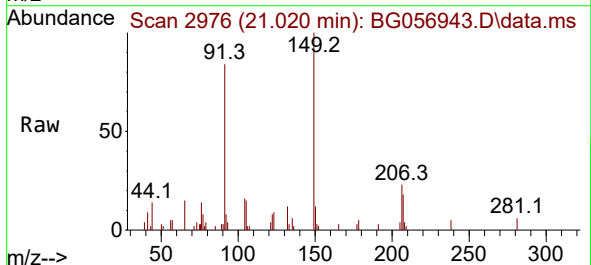
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

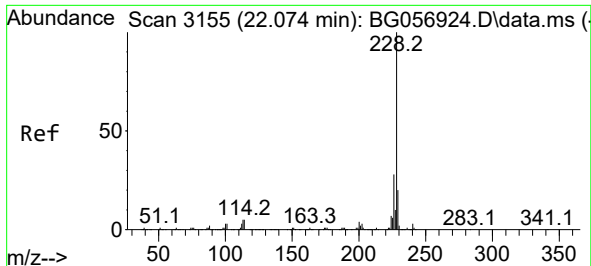
Tgt Ion:244 Resp: 557427
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 5.3 5.0 7.4



#80
 Butylbenzylphthalate
 Concen: 3.418 ng
 RT: 21.020 min Scan# 2976
 Delta R.T. -0.002 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

Tgt Ion:149 Resp: 9903
 Ion Ratio Lower Upper
 149 100
 91 84.1 64.4 96.6
 206 22.9 18.9 28.3

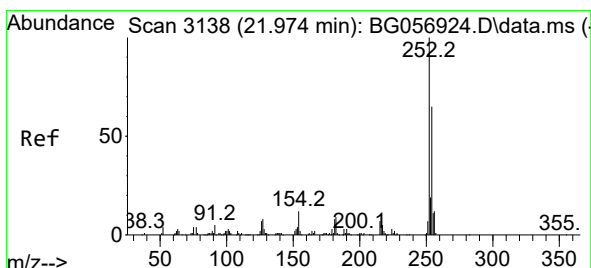
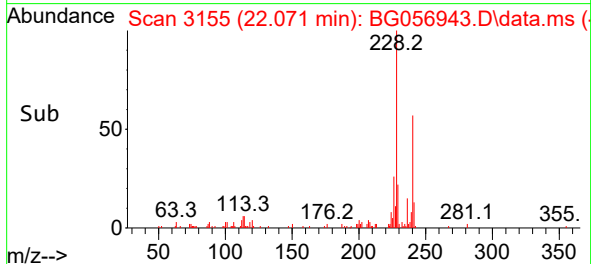
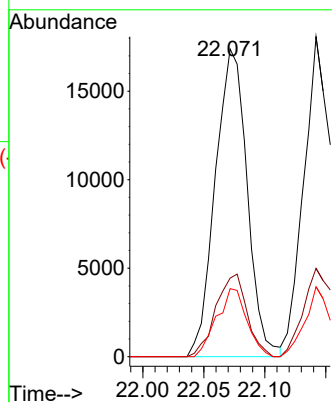
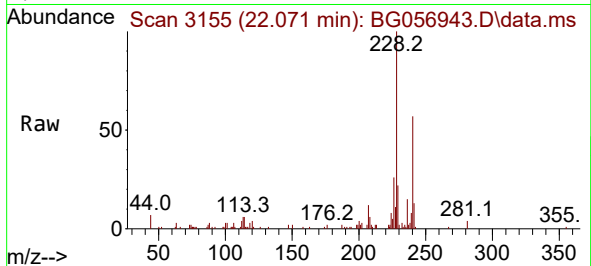




#81
Benzo(a)anthracene
Concen: 3.759 ng
RT: 22.071 min Scan# 3155
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

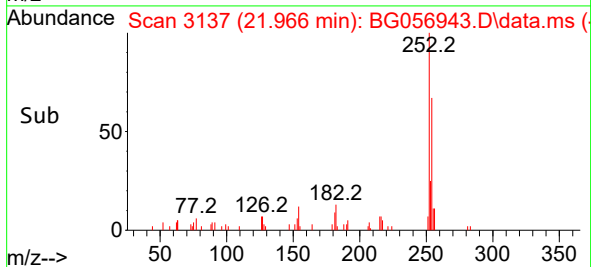
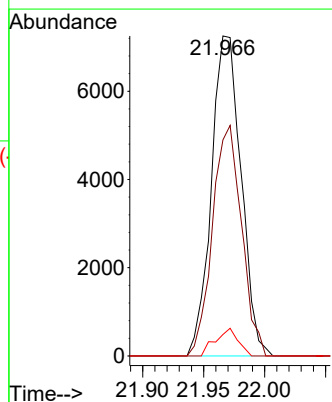
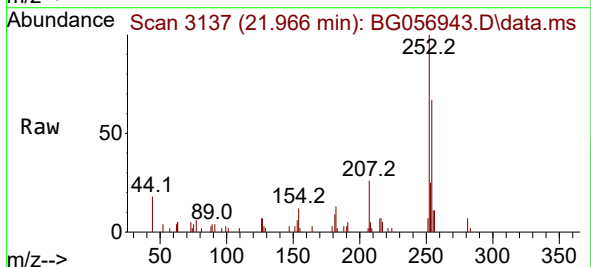
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

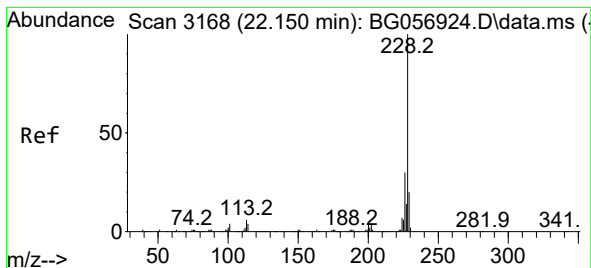
Tgt Ion:228 Resp: 31669
Ion Ratio Lower Upper
228 100
226 25.5 22.1 33.1
229 22.1 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 4.315 ng
RT: 21.966 min Scan# 3137
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:252 Resp: 12276
Ion Ratio Lower Upper
252 100
254 67.5 51.7 77.5
126 6.7 5.6 8.4





#83

Chrysene

Concen: 3.767 ng

RT: 22.142 min Scan# 3167

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

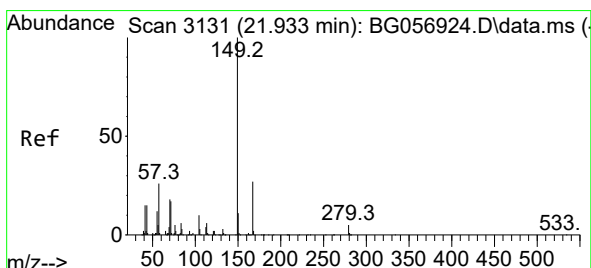
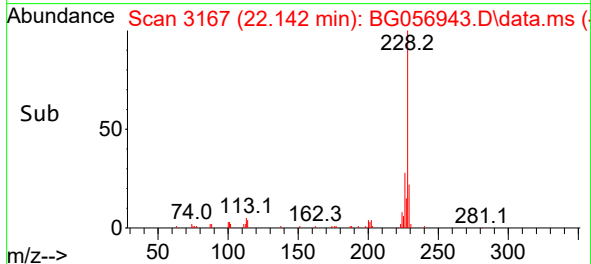
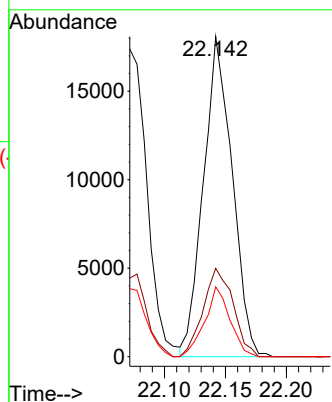
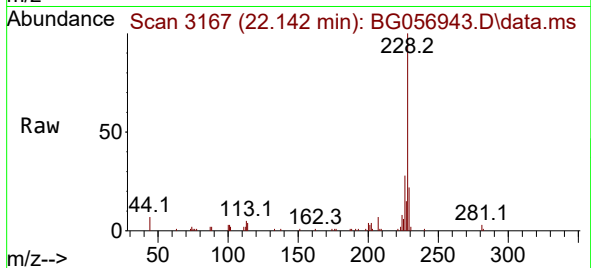
Tgt Ion:228 Resp: 29712

Ion Ratio Lower Upper

228 100

226 27.6 24.1 36.1

229 21.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.459 ng

RT: 21.925 min Scan# 3130

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

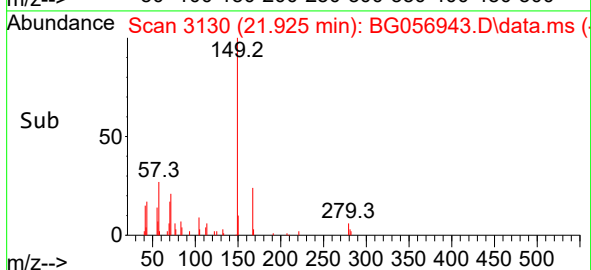
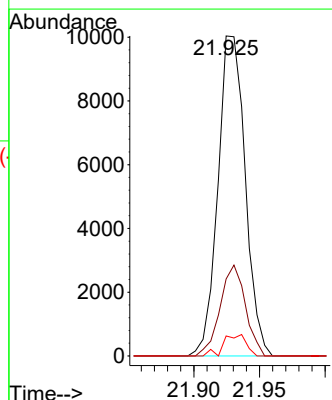
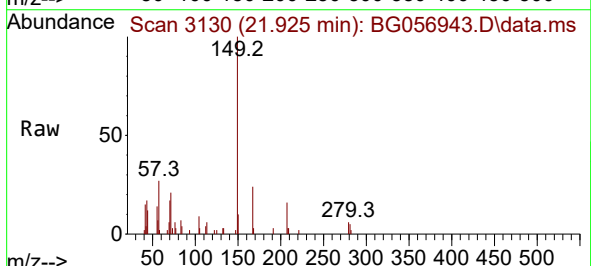
Tgt Ion:149 Resp: 14514

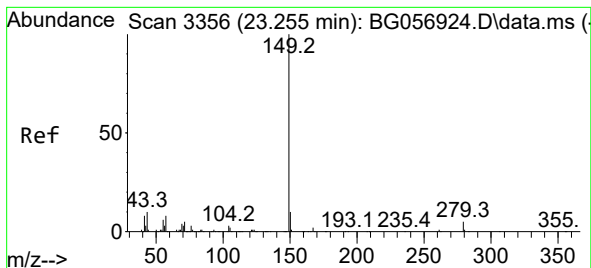
Ion Ratio Lower Upper

149 100

167 24.1 21.4 32.2

279 6.3 3.9 5.9#





#85

Di-n-octyl phthalate

Concen: 3.477 ng

RT: 23.246 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

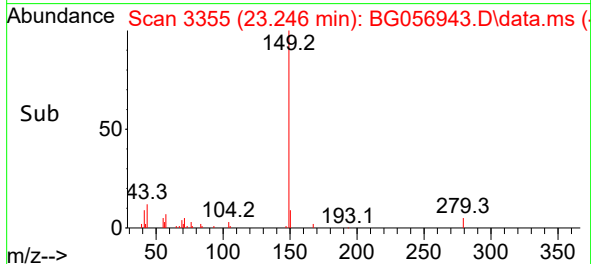
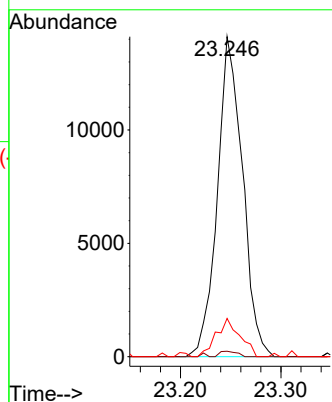
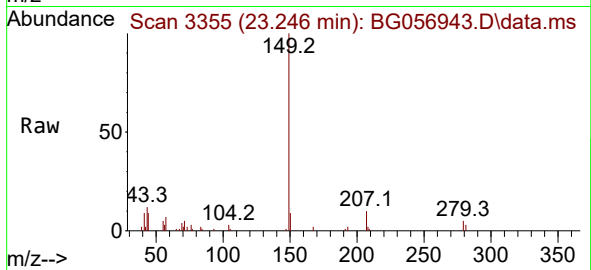
Tgt Ion:149 Resp: 24588

Ion Ratio Lower Upper

149 100

167 1.2 1.3 1.9#

43 11.2 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.643 min Scan# 3763

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

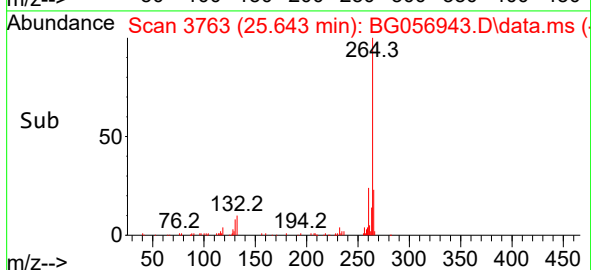
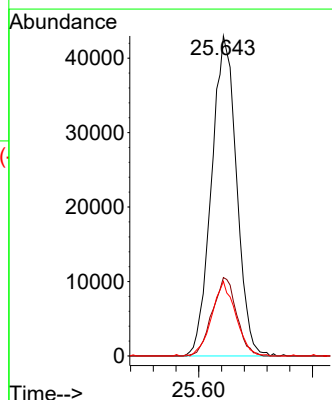
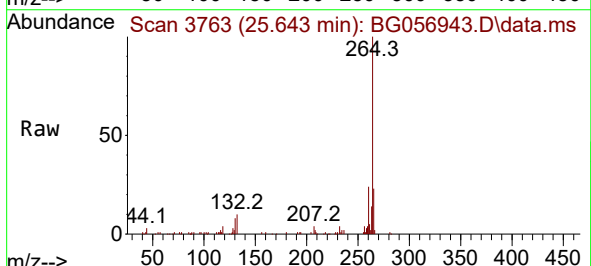
Tgt Ion:264 Resp: 131444

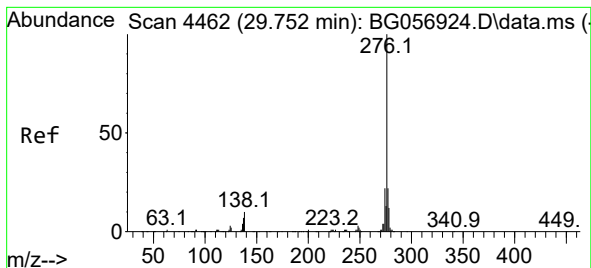
Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.4

265 23.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.825 ng

RT: 29.738 min Scan# 4460

Delta R.T. -0.014 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

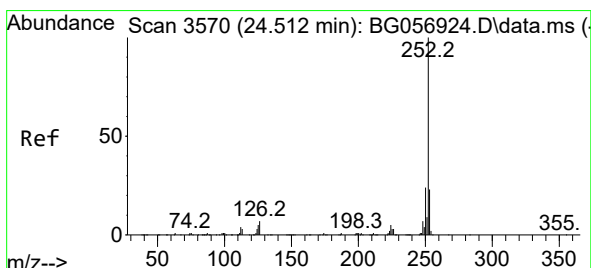
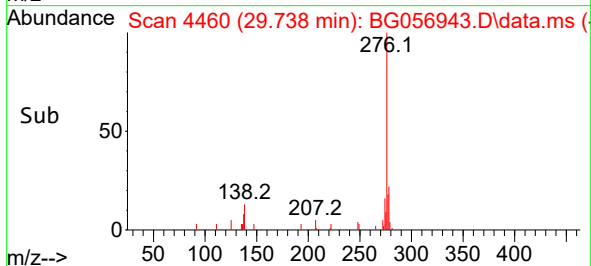
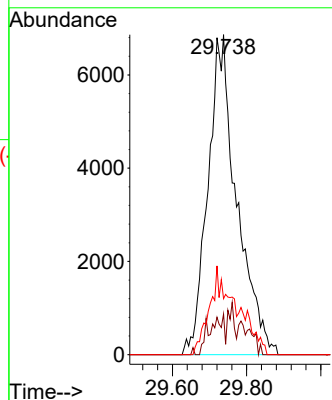
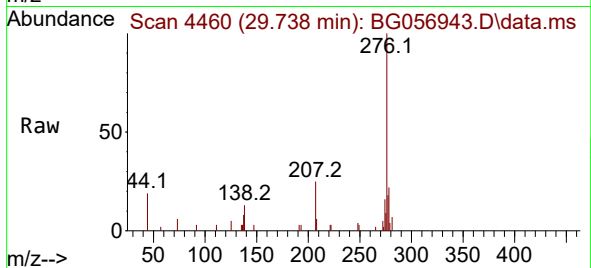
Tgt Ion:276 Resp: 37158

Ion Ratio Lower Upper

276 100

138 3.1 7.7 11.5#

277 19.8 21.0 31.4#



#88

Benzo(b)fluoranthene

Concen: 3.940 ng

RT: 24.503 min Scan# 3569

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

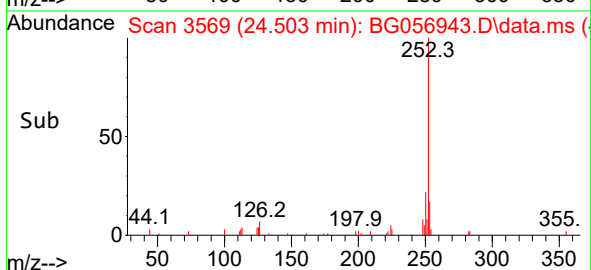
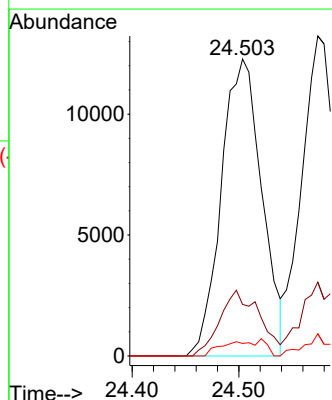
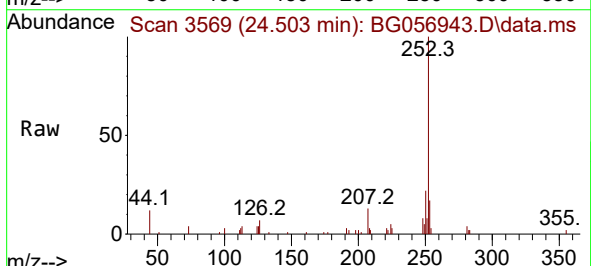
Tgt Ion:252 Resp: 32386

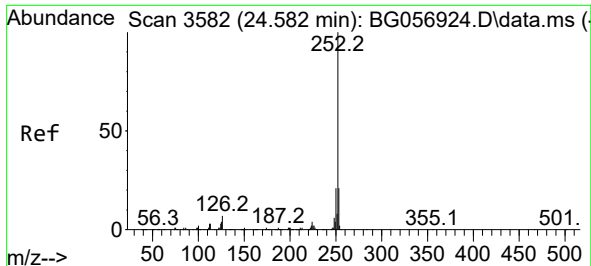
Ion Ratio Lower Upper

252 100

253 17.4 18.1 27.1#

125 4.2 4.2 6.4#

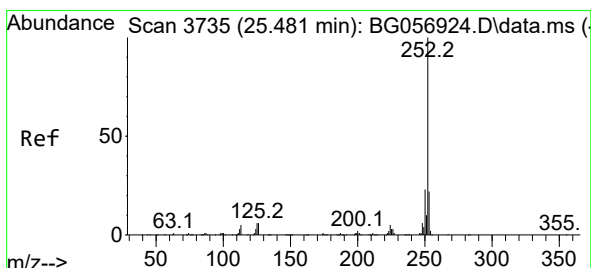
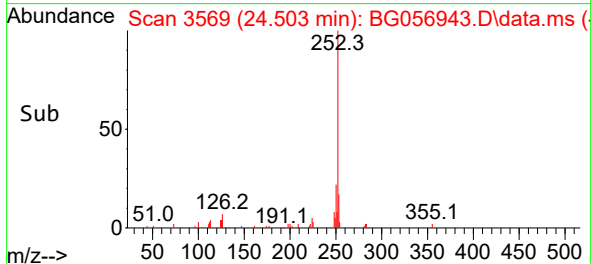
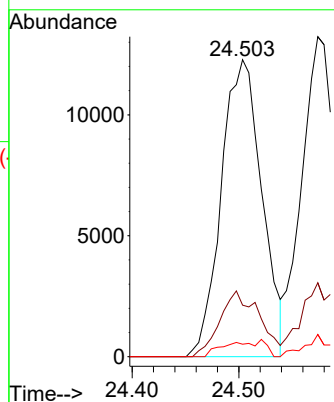
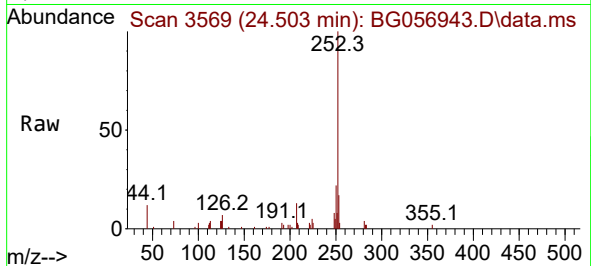




#89
Benzo(k)fluoranthene
Concen: 3.947 ng
RT: 24.503 min Scan# 31
Delta R.T. -0.079 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

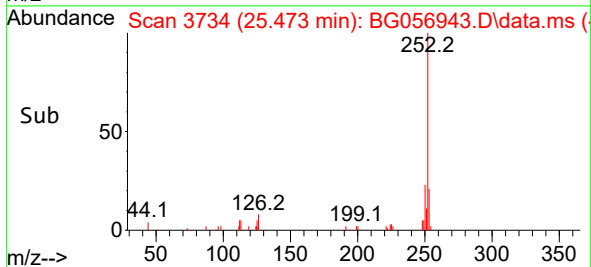
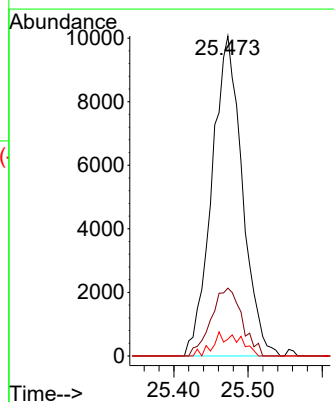
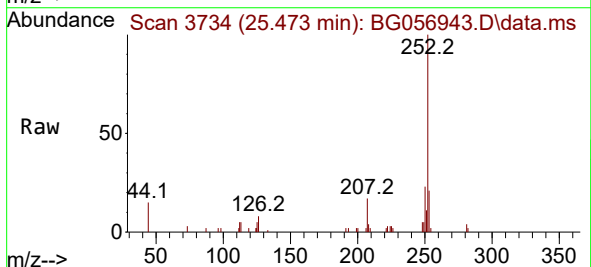
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

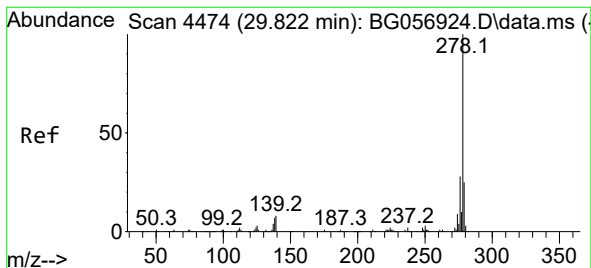
Tgt Ion:252 Resp: 32386
Ion Ratio Lower Upper
252 100
253 17.4 17.1 25.7
125 4.2 3.8 5.6



#90
Benzo(a)pyrene
Concen: 3.548 ng
RT: 25.473 min Scan# 3734
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:252 Resp: 28656
Ion Ratio Lower Upper
252 100
253 21.2 17.6 26.4
125 5.3 4.5 6.7





#91

Dibenzo(a,h)anthracene

Concen: 3.669 ng

RT: 29.790 min Scan# 44

Delta R.T. -0.032 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

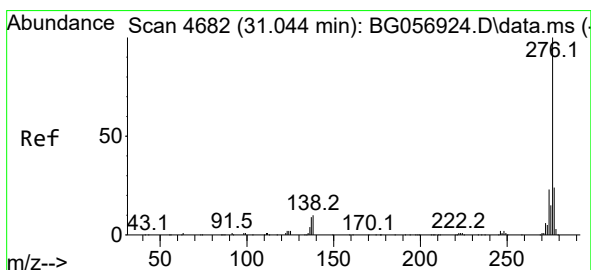
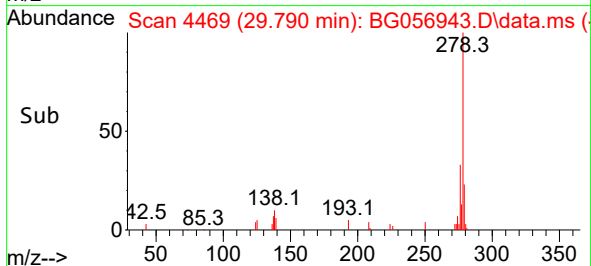
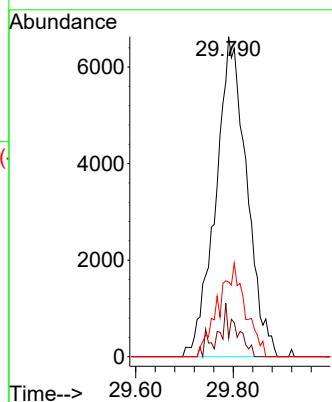
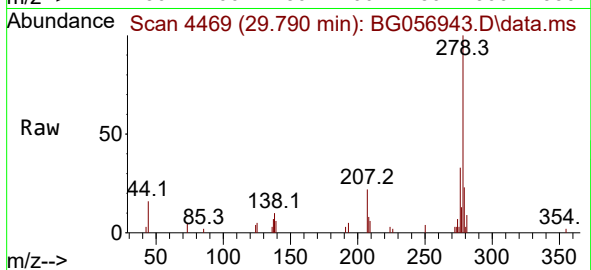
Tgt Ion:278 Resp: 29294

Ion Ratio Lower Upper

278 100

139 5.8 6.4 9.6#

279 23.4 20.2 30.2



#92

Benzo(g,h,i)perylene

Concen: 3.823 ng

RT: 31.006 min Scan# 4676

Delta R.T. -0.038 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Tgt Ion:276 Resp: 29893

Ion Ratio Lower Upper

276 100

277 20.6 19.1 28.7

138 4.9 8.2 12.2#

