

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013123\
 Data File : BG056488.D
 Acq On : 31 Jan 2023 16:52
 Operator : CG/JU
 Sample : N4955-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Feb 01 01:23:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	35183	20.000	ng	0.00
21) Naphthalene-d8	11.107	136	135697	20.000	ng	0.00
39) Acenaphthene-d10	14.897	164	110448	20.000	ng	0.00
64) Phenanthrene-d10	17.635	188	285675	20.000	ng	0.00
76) Chrysene-d12	21.924	240	264862	20.000	ng	0.00
86) Perylene-d12	25.344	264	288198	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	211435	110.551	ng	0.00
7) Phenol-d6	7.424	99	306594	108.193	ng	0.00
23) Nitrobenzene-d5	9.456	82	180532	75.547	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	170478	116.103	ng	0.00
45) 2-Fluorobiphenyl	13.522	172	613120	76.963	ng	0.00
79) Terphenyl-d14	20.209	244	1148289	76.146	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.599	88	7666	9.626	ng	# 94
3) Pyridine	4.028	79	21867	9.211	ng	# 91
4) n-Nitrosodimethylamine	3.934	42	4670	9.250	ng	# 82
6) Aniline	7.588	93	34420	9.277	ng	95
8) 2-Chlorophenol	7.835	128	20017	9.527	ng	98
9) Benzaldehyde	7.406	77	17054	10.442	ng	95
10) Phenol	7.447	94	27295	9.477	ng	99
11) bis(2-Chloroethyl)ether	7.682	93	19112	9.654	ng	97
12) 1,3-Dichlorobenzene	8.164	146	25123	10.385	ng	97
13) 1,4-Dichlorobenzene	8.317	146	25552	10.430	ng	99
14) 1,2-Dichlorobenzene	8.634	146	24803	10.435	ng	97
15) Benzyl Alcohol	8.511	79	18250	9.387	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.787	45	3995	9.524	ng	88
17) 2-Methylphenol	8.716	107	18765	8.564	ng	93
18) Hexachloroethane	9.374	117	8025	10.830	ng	95
19) n-Nitroso-di-n-propyla...	9.075	70	15767	9.655	ng	94
20) 3+4-Methylphenols	9.045	107	26256	8.550	ng	98
22) Acetophenone	9.104	105	35829	9.937	ng	# 99
24) Nitrobenzene	9.498	77	23449	10.173	ng	93
25) Isophorone	10.015	82	47357	9.606	ng	98
26) 2-Nitrophenol	10.214	139	13555	9.692	ng	# 89
27) 2,4-Dimethylphenol	10.256	122	18784	8.026	ng	95
28) bis(2-Chloroethoxy)met...	10.491	93	26854	9.860	ng	# 93
29) 2,4-Dichlorophenol	10.755	162	24991	9.486	ng	95
30) 1,2,4-Trichlorobenzene	10.966	180	29933	10.224	ng	93
31) Naphthalene	11.160	128	70469	9.839	ng	97
32) Benzoic acid	10.373	122	13385	10.222	ng	97
33) 4-Chloroaniline	11.266	127	31836	9.523	ng	97
34) Hexachlorobutadiene	11.437	225	22218	10.812	ng	89
35) Caprolactam	12.012	113	7945	8.942	ng	92
36) 4-Chloro-3-methylphenol	12.365	107	25105	9.867	ng	90
37) 2-Methylnaphthalene	12.747	142	55423	9.386	ng	96
38) 1-Methylnaphthalene	12.964	142	52116	9.451	ng	95
40) 1,2,4,5-Tetrachloroben...	13.105	216	41549	10.297	ng	99
41) Hexachlorocyclopentadiene	13.082	237	14091	12.434	ng	92
43) 2,4,6-Trichlorophenol	13.340	196	25451	9.788	ng	96

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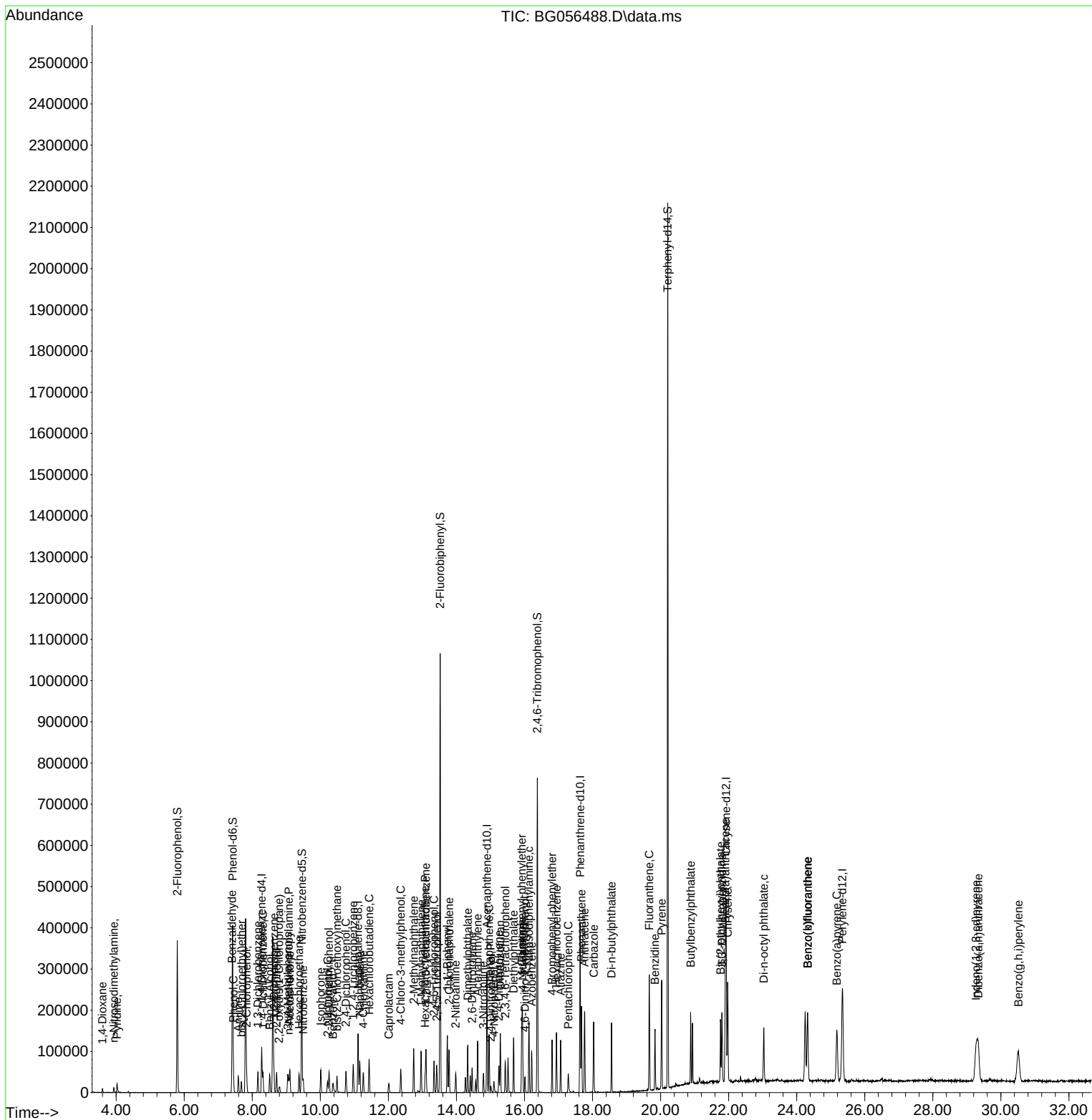
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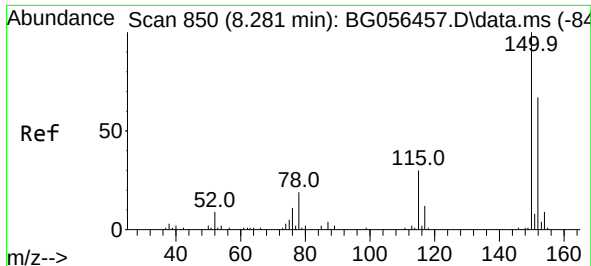
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.422	196	27250	8.951	ng	96
46) 1,1'-Biphenyl	13.734	154	82833	10.340	ng	97
47) 2-Chloronaphthalene	13.787	162	64130	10.242	ng	99
48) 2-Nitroaniline	13.981	65	11766	9.090	ng	93
49) Acenaphthylene	14.621	152	100525	9.867	ng	99
50) Dimethylphthalate	14.333	163	87218	9.761	ng	98
51) 2,6-Dinitrotoluene	14.462	165	18502	9.495	ng	95
52) Acenaphthene	14.962	154	58860	9.743	ng	99
53) 3-Nitroaniline	14.791	138	17358	9.188	ng	93
54) 2,4-Dinitrophenol	15.009	184	8087	6.620	ng	93
55) Dibenzofuran	15.291	168	107563	9.928	ng	99
56) 4-Nitrophenol	15.103	139	11833	9.167	ng	93
57) 2,4-Dinitrotoluene	15.250	165	27049	9.855	ng	99
58) Fluorene	15.937	166	85316	9.896	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.438	232	24498	9.050	ng	91
60) Diethylphthalate	15.679	149	84268	10.043	ng	98
61) 4-Chlorophenyl-phenyle...	15.919	204	51825	9.851	ng	98
62) 4-Nitroaniline	15.949	138	18258	9.659	ng	97
63) Azobenzene	16.213	77	57678	9.990	ng	99
65) 4,6-Dinitro-2-methylph...	16.014	198	16375	8.153	ng	98
66) n-Nitrosodiphenylamine	16.131	169	78730	9.734	ng	98
67) 4-Bromophenyl-phenylether	16.813	248	35600	9.734	ng	97
68) Hexachlorobenzene	16.942	284	37486	10.465	ng	99
69) Atrazine	17.065	200	34870	11.175	ng	97
70) Pentachlorophenol	17.288	266	14558	6.717	ng	95
71) Phenanthrene	17.676	178	147439	9.861	ng	98
72) Anthracene	17.764	178	151831	9.892	ng	100
73) Carbazole	18.035	167	130101	9.953	ng	99
74) Di-n-butylphthalate	18.558	149	132280	9.637	ng	99
75) Fluoranthene	19.668	202	183782	9.739	ng	99
77) Benzidine	19.838	184	98632	13.761	ng	98
78) Pyrene	20.032	202	189373	10.053	ng	99
80) Butylbenzylphthalate	20.884	149	53701	9.334	ng	99
81) Benzo(a)anthracene	21.901	228	183925	9.933	ng	99
82) 3,3'-Dichlorobenzidine	21.807	252	73945	11.089	ng	100
83) Chrysene	21.971	228	166319	9.561	ng	98
84) Bis(2-ethylhexyl)phtha...	21.760	149	77899	9.444	ng	98
85) Di-n-octyl phthalate	23.035	149	129914	9.458	ng	# 99
87) Indeno(1,2,3-cd)pyrene	29.269	276	203026	9.624	ng	# 93
88) Benzo(b)fluoranthene	24.321	252	181399	10.141	ng	99
89) Benzo(k)fluoranthene	24.321	252	181395	10.044	ng	98
90) Benzo(a)pyrene	25.179	252	163779	9.295	ng	99
91) Dibenzo(a,h)anthracene	29.339	278	178894	10.102	ng	# 98
92) Benzo(g,h,i)perylene	30.520	276	172585	10.101	ng	97

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

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BNA_G
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LOD-MDL-SOIL-01-QT4-2022

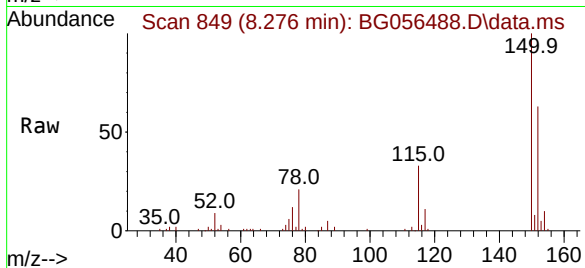
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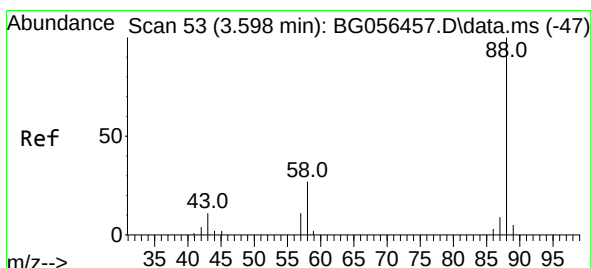
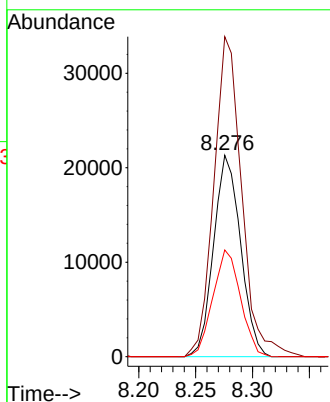
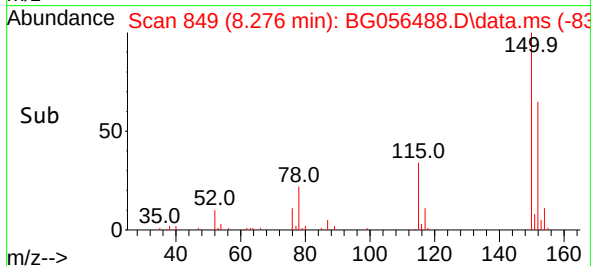


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056488.D
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Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

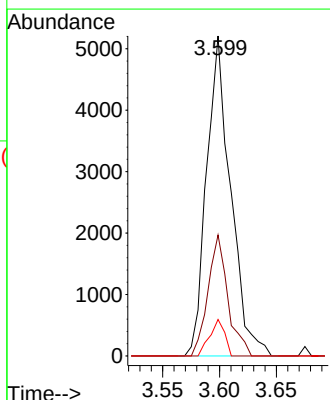
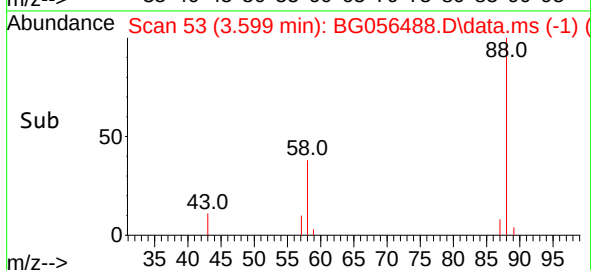
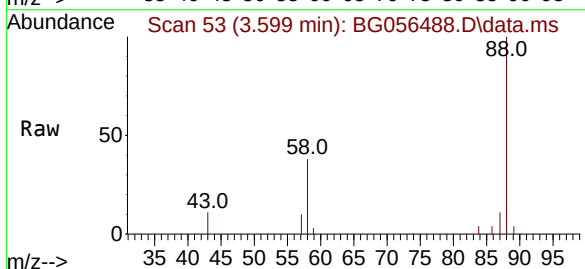


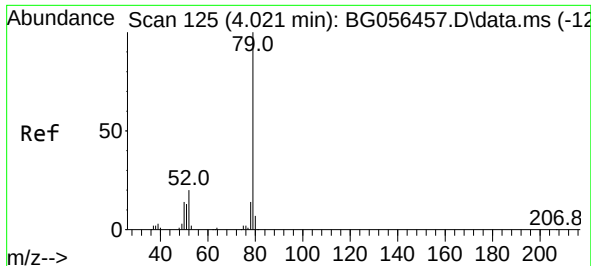
Tgt Ion:152 Resp: 35183
Ion Ratio Lower Upper
152 100
150 158.9 120.2 180.4
115 53.0 36.3 54.5



#2
1,4-Dioxane
Concen: 9.626 ng
RT: 3.599 min Scan# 53
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion: 88 Resp: 7666
Ion Ratio Lower Upper
88 100
58 31.2 23.0 34.4
43 7.0 8.0 12.0#

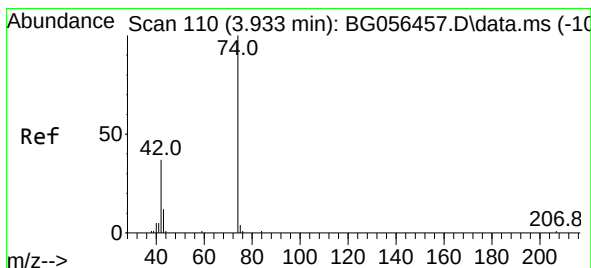
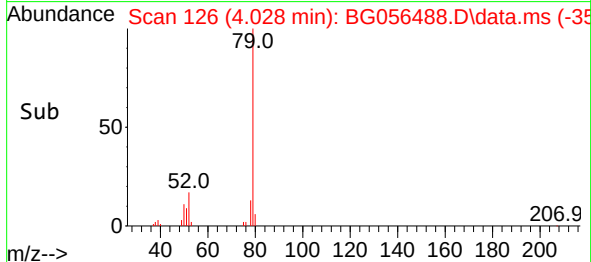
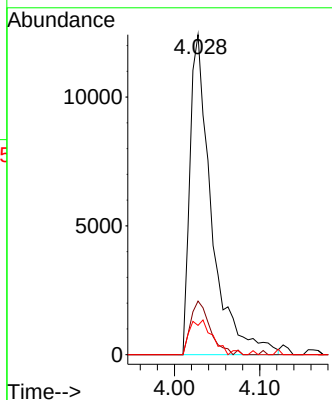
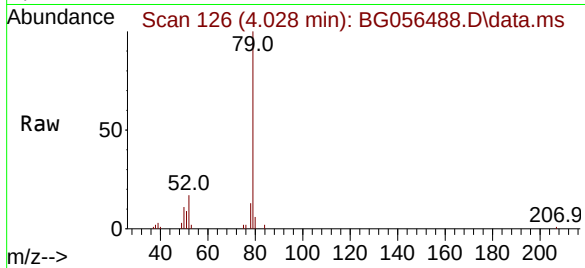




#3
 Pyridine
 Concen: 9.211 ng
 RT: 4.028 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

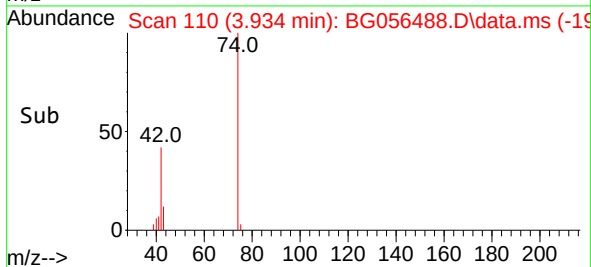
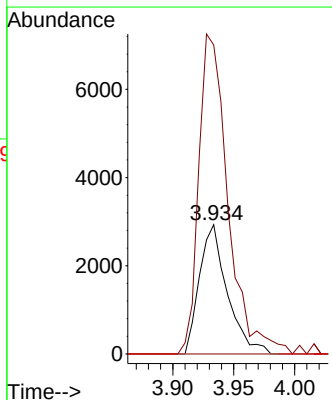
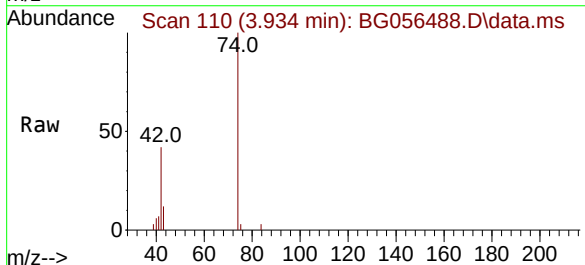
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

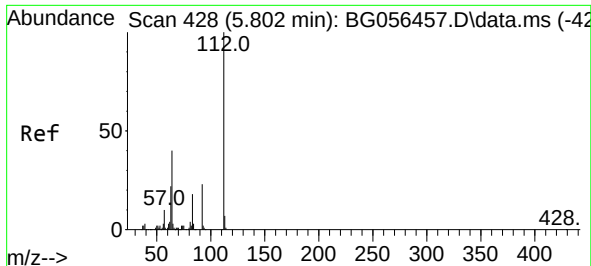
Tgt Ion: 79 Resp: 21867
 Ion Ratio Lower Upper
 79 100
 52 16.8 16.1 24.1
 51 9.1 10.7 16.1#



#4
 n-Nitrosodimethylamine
 Concen: 9.250 ng
 RT: 3.934 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

Tgt Ion: 42 Resp: 4670
 Ion Ratio Lower Upper
 42 100
 74 239.1 217.9 326.9
 44 0.0 3.0 4.6#

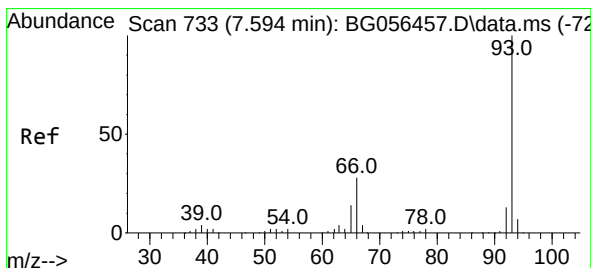
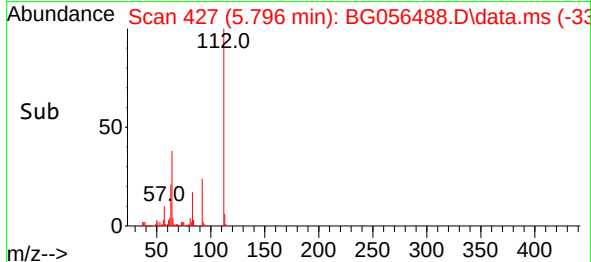
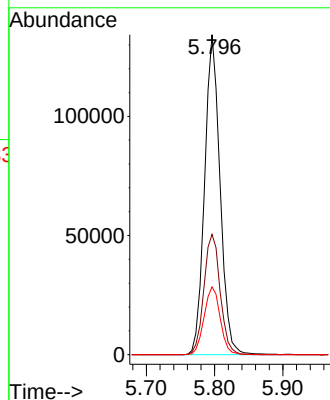
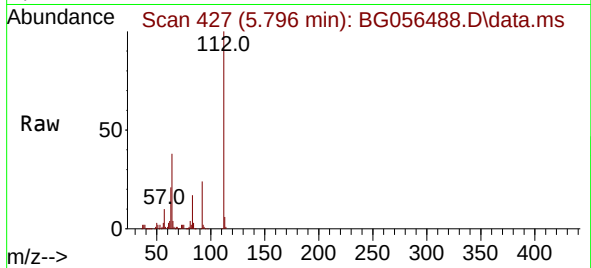




#5
2-Fluorophenol
Concen: 110.551 ng
RT: 5.796 min Scan# 41
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

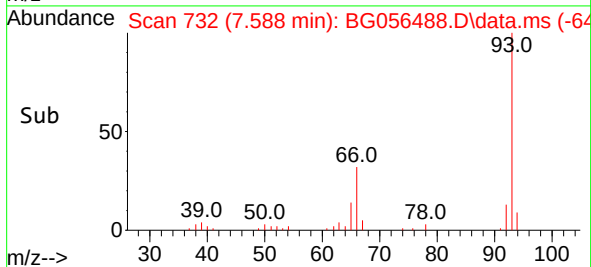
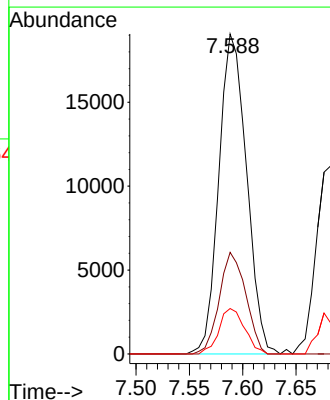
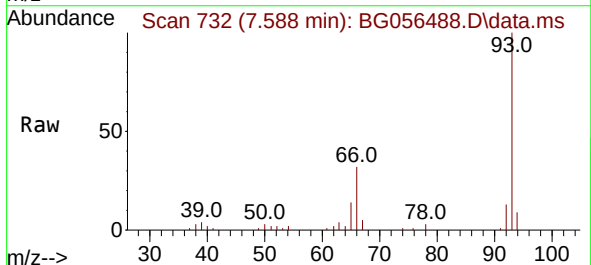
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ClientSampleId :
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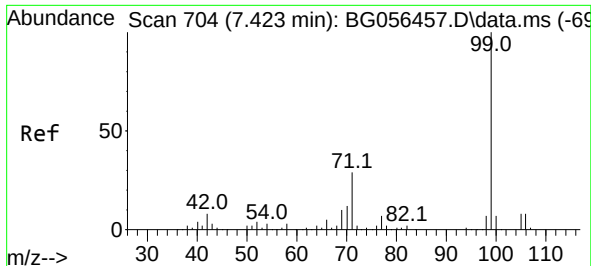
Tgt Ion:112 Resp: 211435
Ion Ratio Lower Upper
112 100
64 37.6 31.9 47.9
63 21.2 17.4 26.0



#6
Aniline
Concen: 9.277 ng
RT: 7.588 min Scan# 732
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion: 93 Resp: 34420
Ion Ratio Lower Upper
93 100
66 31.8 22.2 33.2
65 14.2 11.3 16.9

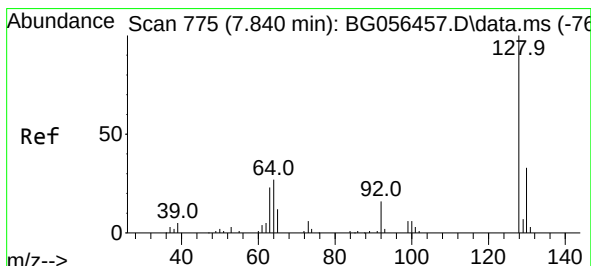
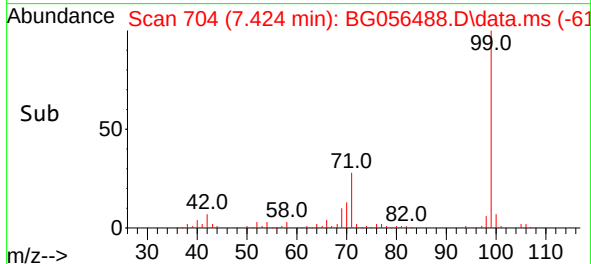
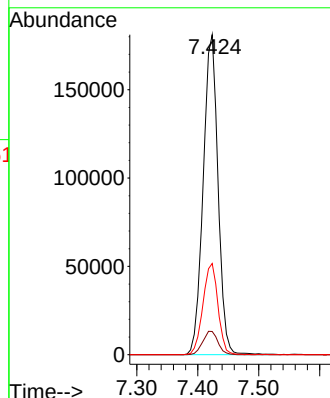
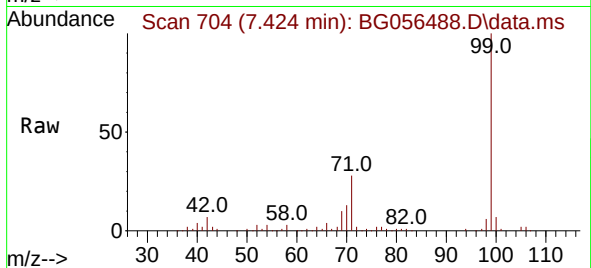




#7
Phenol-d6
Concen: 108.193 ng
RT: 7.424 min Scan# 704
Delta R.T. 0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

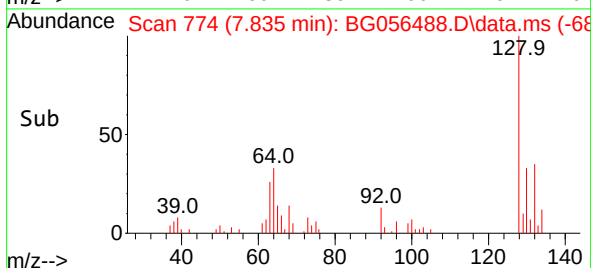
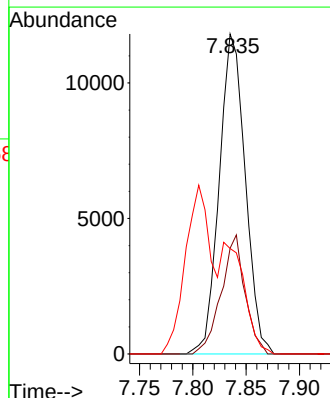
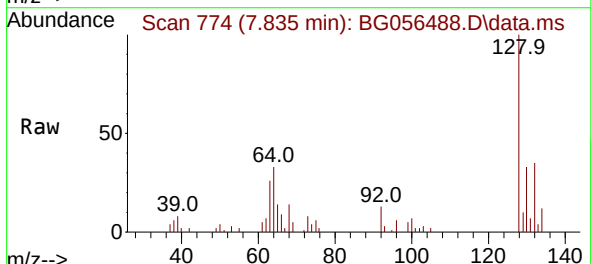
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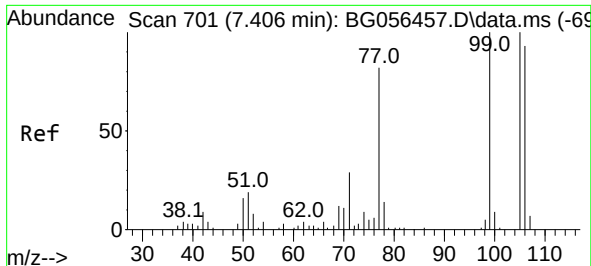
Tgt Ion: 99 Resp: 306594
Ion Ratio Lower Upper
99 100
42 7.3 6.6 10.0
71 28.5 23.4 35.0



#8
2-Chlorophenol
Concen: 9.527 ng
RT: 7.835 min Scan# 774
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion: 128 Resp: 20017
Ion Ratio Lower Upper
128 100
130 33.0 12.8 52.8
64 33.0 11.3 51.3

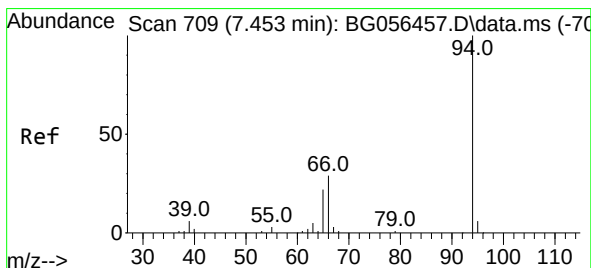
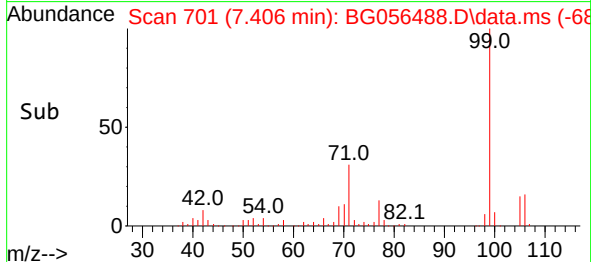
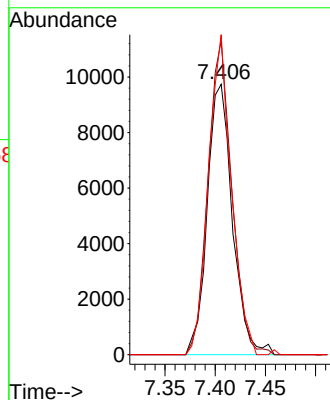
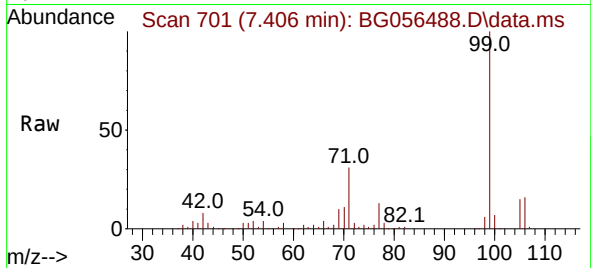




#9
Benzaldehyde
Concen: 10.442 ng
RT: 7.406 min Scan# 701
Delta R.T. 0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

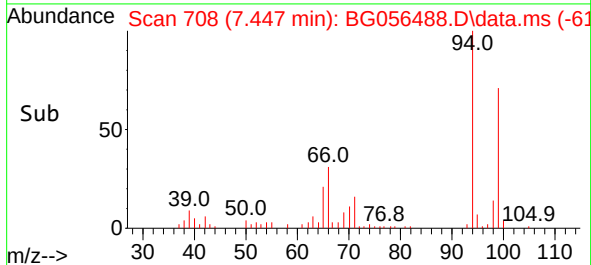
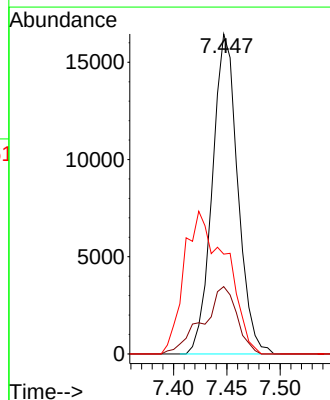
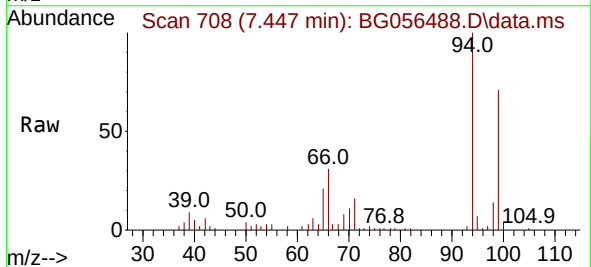
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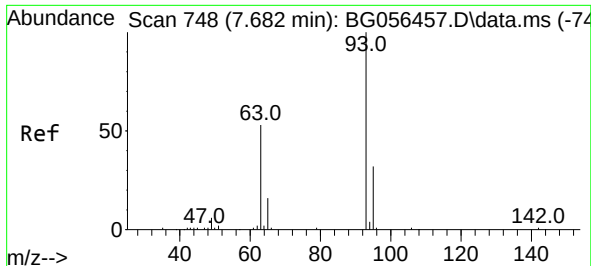
Tgt Ion: 77 Resp: 17054
Ion Ratio Lower Upper
77 100
105 116.0 101.8 141.8
106 118.3 93.0 133.0



#10
Phenol
Concen: 9.477 ng
RT: 7.447 min Scan# 708
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion: 94 Resp: 27295
Ion Ratio Lower Upper
94 100
65 21.0 2.3 42.3
66 31.2 11.2 51.2





#11

bis(2-Chloroethyl)ether

Concen: 9.654 ng

RT: 7.682 min Scan# 74

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

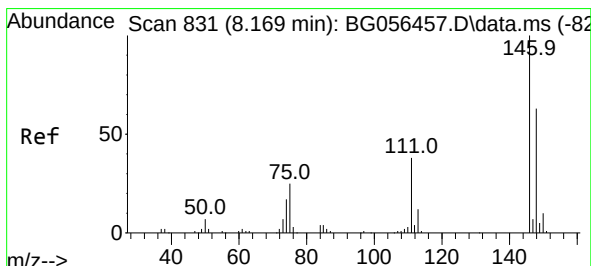
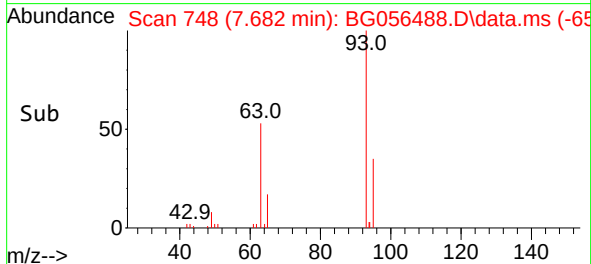
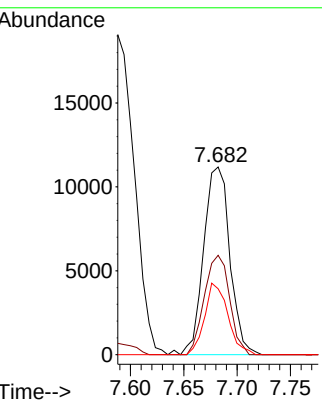
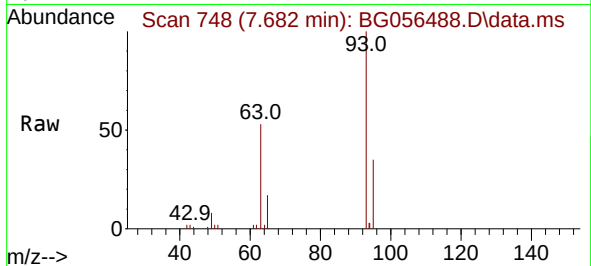
Tgt Ion: 93 Resp: 19112

Ion Ratio Lower Upper

93 100

63 53.0 32.4 72.4

95 35.1 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 10.385 ng

RT: 8.164 min Scan# 830

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

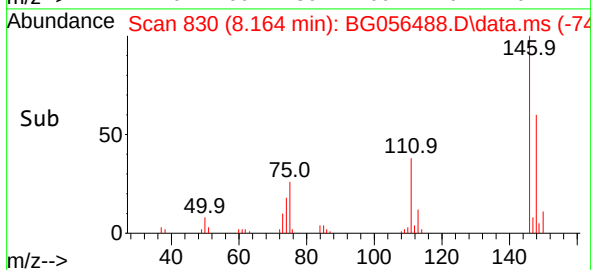
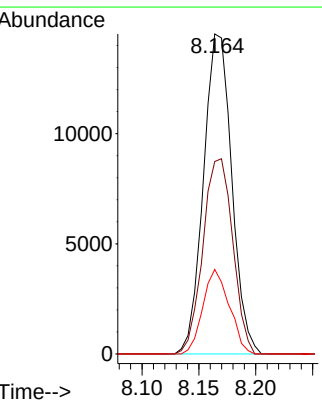
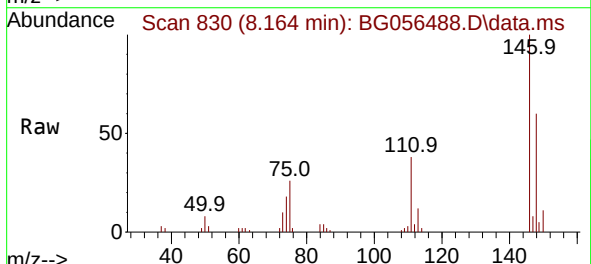
Tgt Ion: 146 Resp: 25123

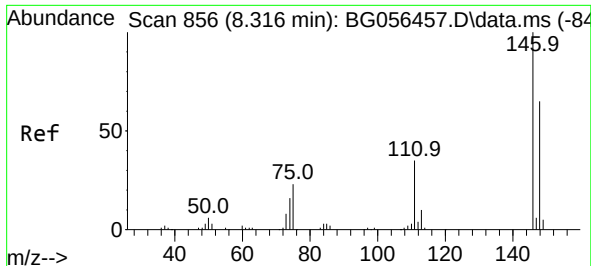
Ion Ratio Lower Upper

146 100

148 65.2 50.6 75.8

75 26.4 19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 10.430 ng

RT: 8.317 min Scan# 8

Delta R.T. 0.006 min

Lab File: BG056488.D

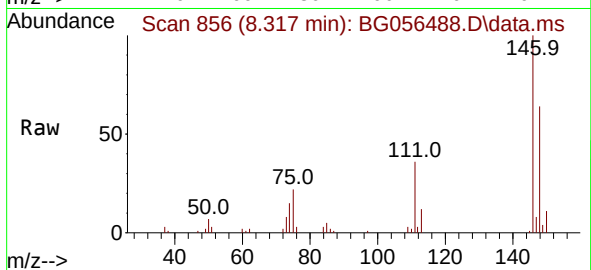
Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



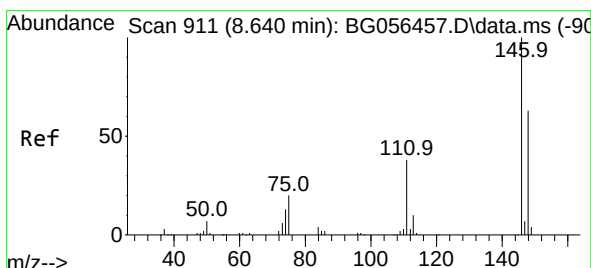
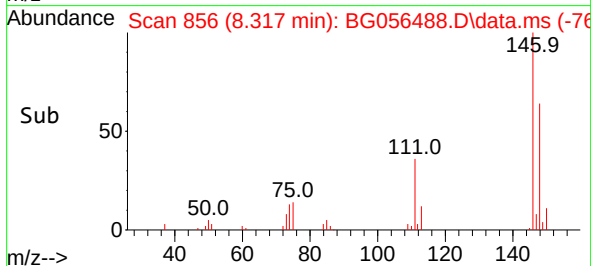
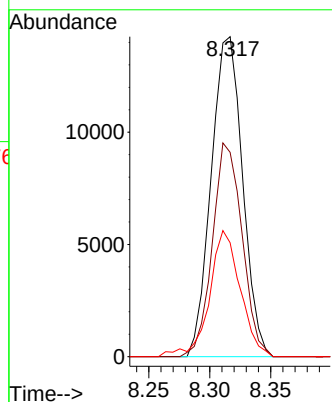
Tgt Ion:146 Resp: 25552

Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

111 35.6 28.6 42.8



#14

1,2-Dichlorobenzene

Concen: 10.435 ng

RT: 8.634 min Scan# 910

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

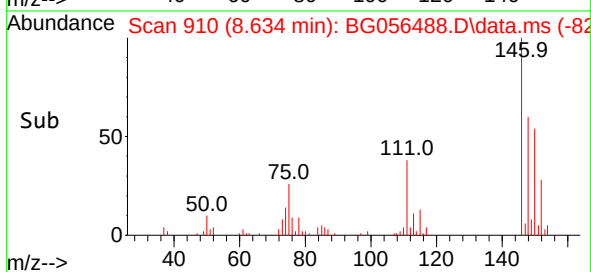
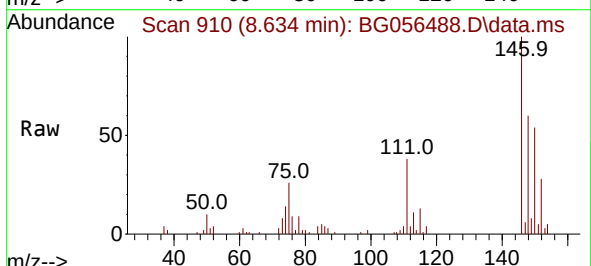
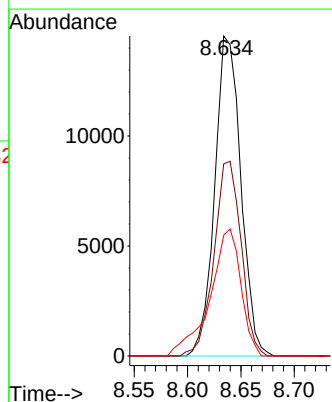
Tgt Ion:146 Resp: 24803

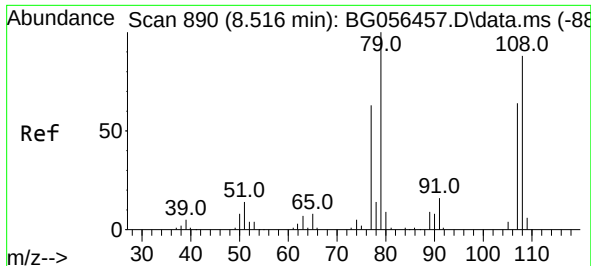
Ion Ratio Lower Upper

146 100

148 60.1 50.1 75.1

111 37.7 30.9 46.3

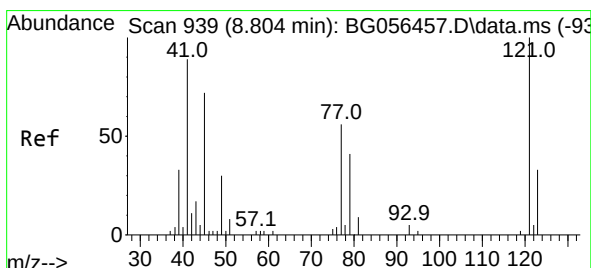
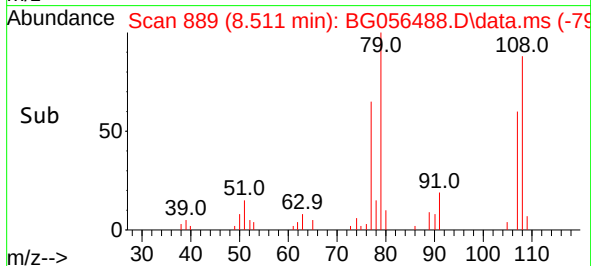
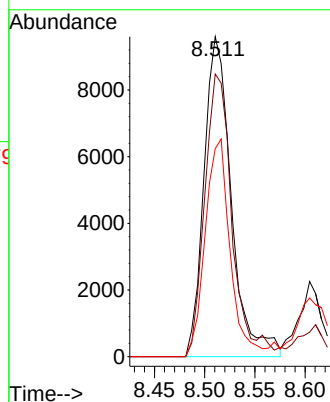
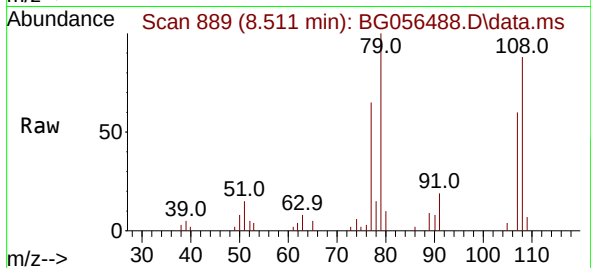




#15
Benzyl Alcohol
Concen: 9.387 ng
RT: 8.511 min Scan# 890
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

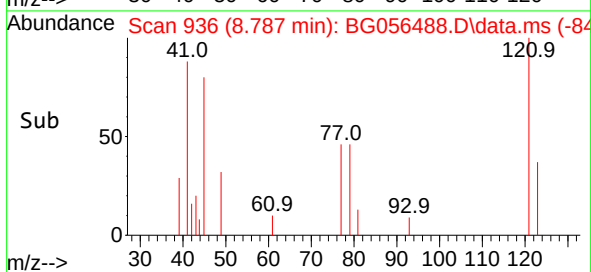
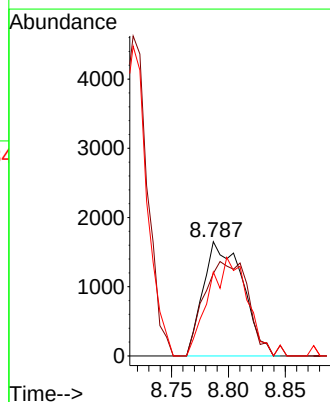
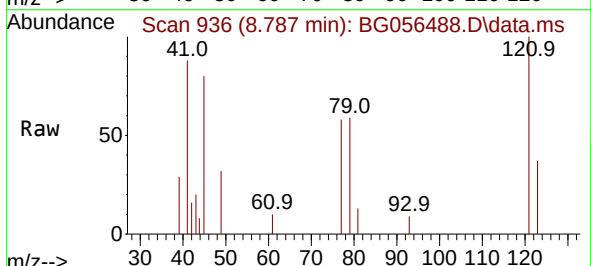
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

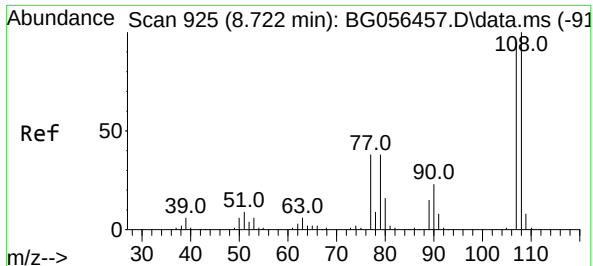
Tgt Ion: 79 Resp: 18250
Ion Ratio Lower Upper
79 100
108 88.4 70.1 105.1
77 65.0 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.524 ng
RT: 8.787 min Scan# 936
Delta R.T. -0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

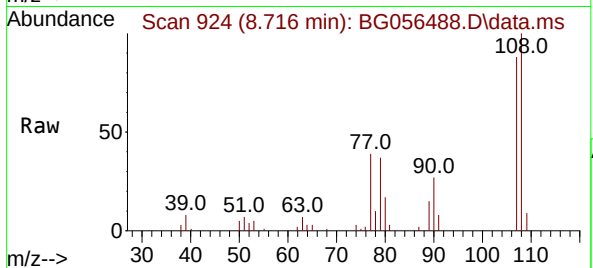
Tgt Ion: 45 Resp: 3995
Ion Ratio Lower Upper
45 100
77 72.4 62.1 102.1
79 73.6 42.7 82.7



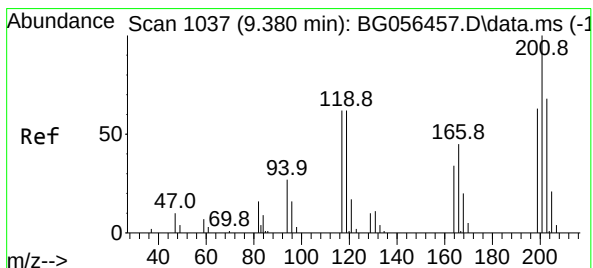
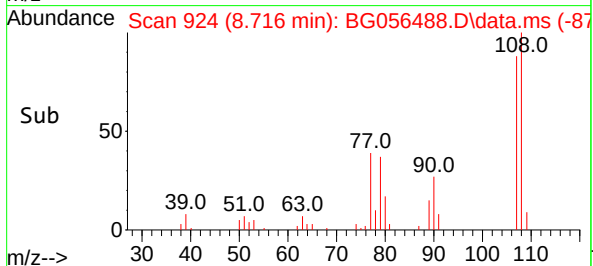
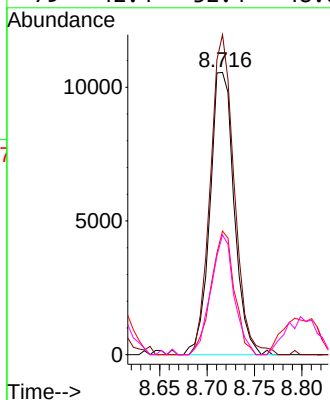


#17
2-Methylphenol
Concen: 8.564 ng
RT: 8.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

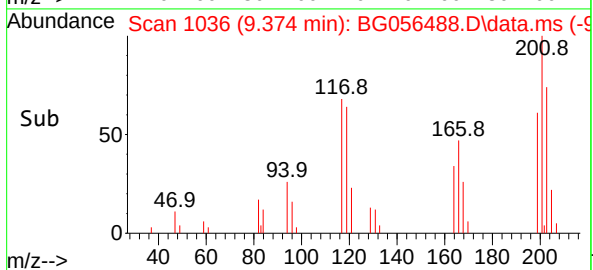
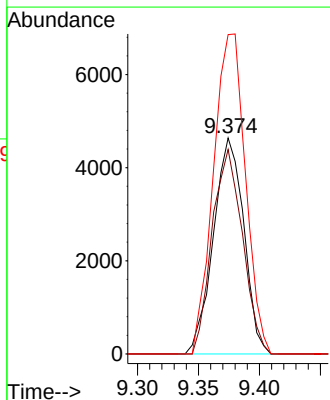
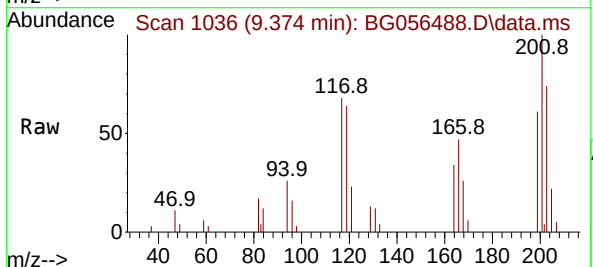


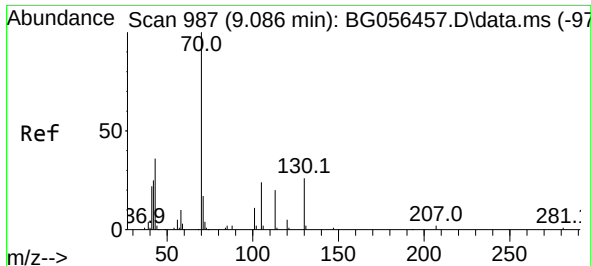
Tgt Ion	Ratio	Lower	Upper
107	100		
108	113.4	83.9	125.9
77	43.8	31.6	47.4
79	42.4	32.4	48.6



#18
Hexachloroethane
Concen: 10.830 ng
RT: 9.374 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	79.4	119.0
201	153.6	128.5	192.7

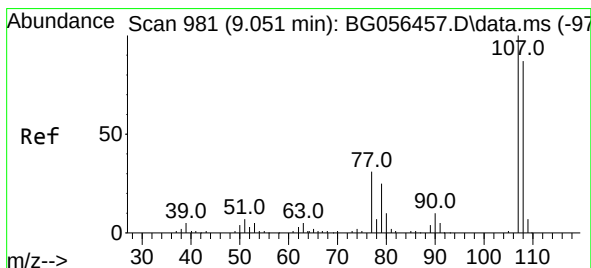
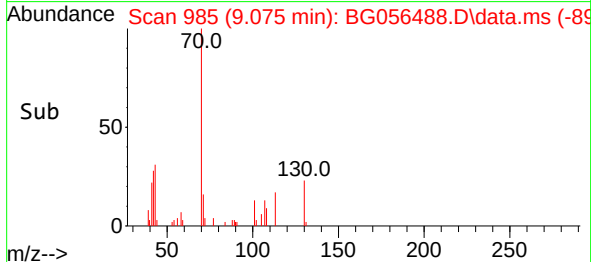
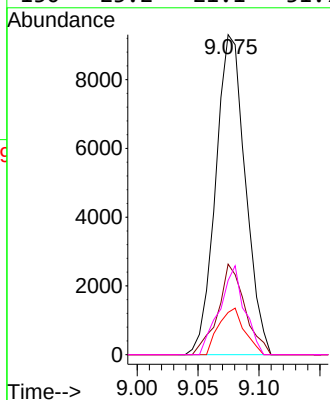
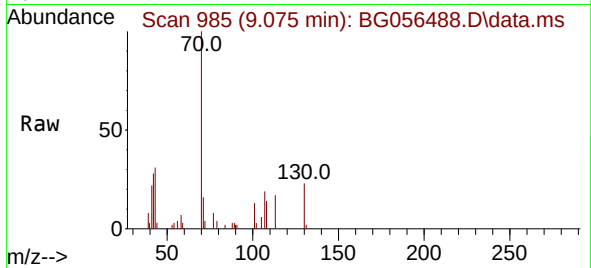




#19
n-Nitroso-di-n-propylamine
Concen: 9.655 ng
RT: 9.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

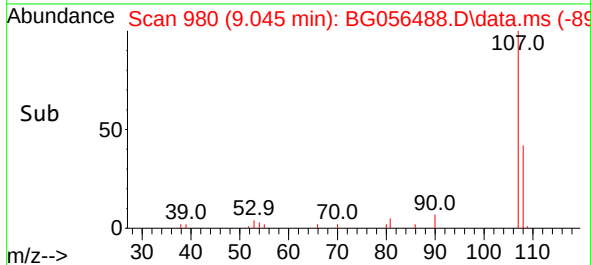
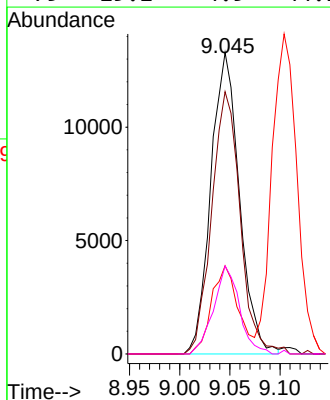
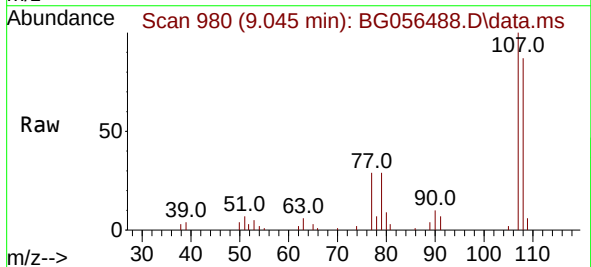
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

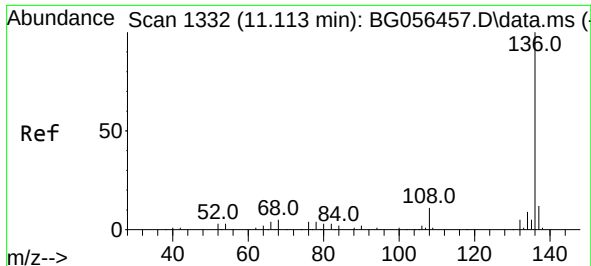
Tgt Ion:	70	Resp:	15767
Ion	Ratio	Lower	Upper
70	100		
42	28.3	20.2	30.4
101	13.2	9.1	13.7
130	23.2	21.1	31.7



#20
3+4-Methylphenols
Concen: 8.550 ng
RT: 9.045 min Scan# 980
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:	107	Resp:	26256
Ion	Ratio	Lower	Upper
107	100		
108	87.0	66.7	106.7
77	29.3	10.6	50.6
79	29.2	4.9	44.9

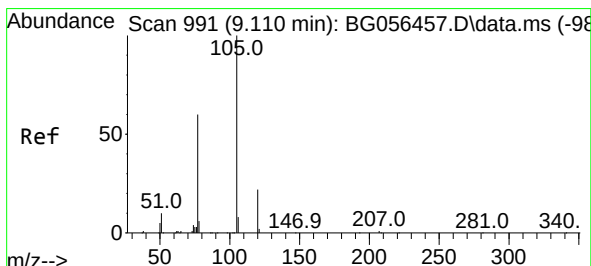
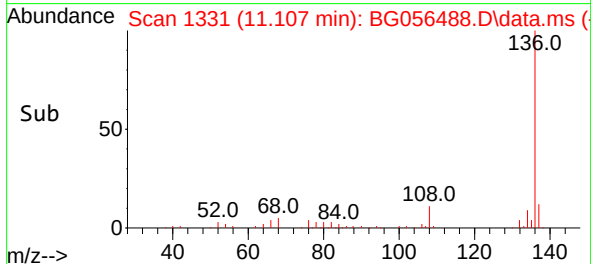
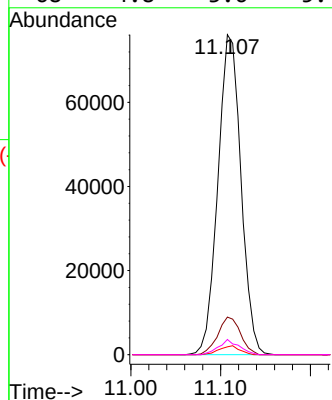
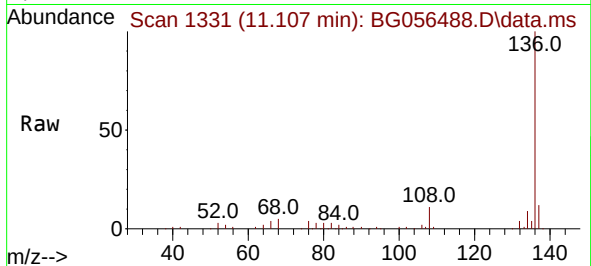




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

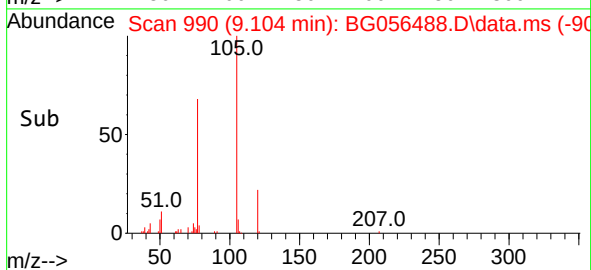
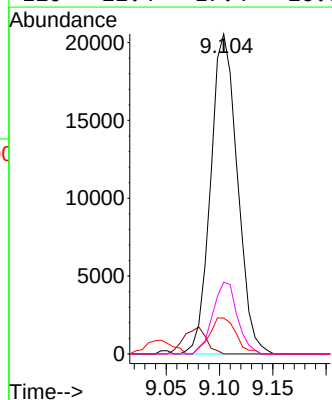
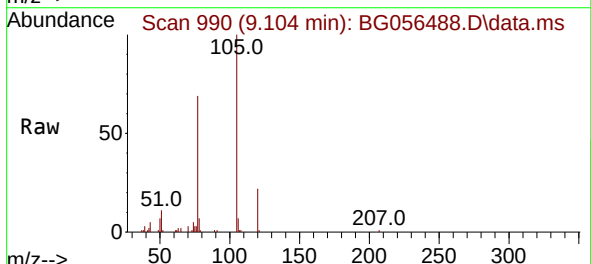
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

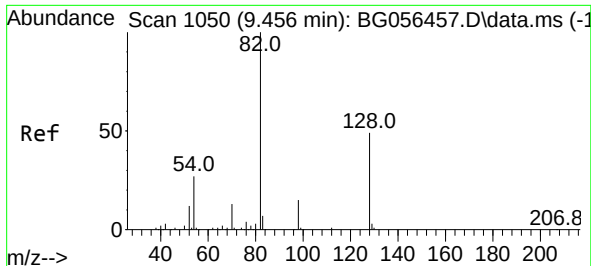
Tgt Ion:	136	Resp:	135697
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	2.4	2.2	3.4
68	4.8	3.6	5.4



#22
Acetophenone
Concen: 9.937 ng
RT: 9.104 min Scan# 990
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:	105	Resp:	35829
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	0.8
51	11.2	9.2	13.8
120	22.4	17.4	26.0

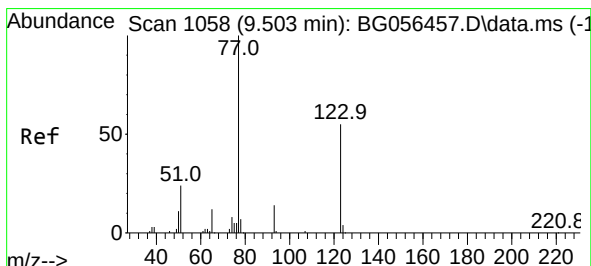
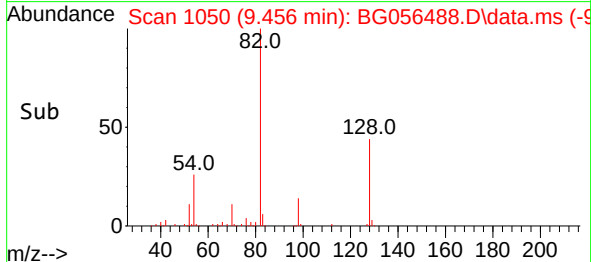
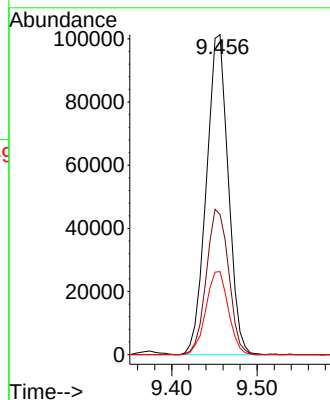
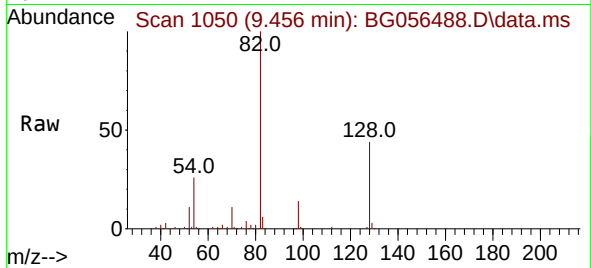




#23
 Nitrobenzene-d5
 Concen: 75.547 ng
 RT: 9.456 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

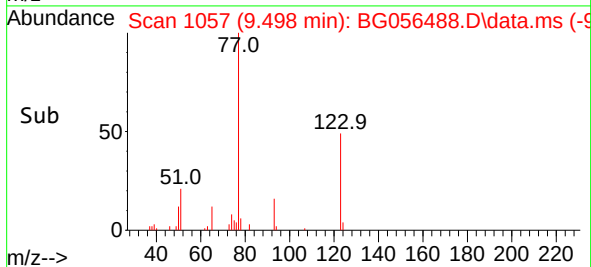
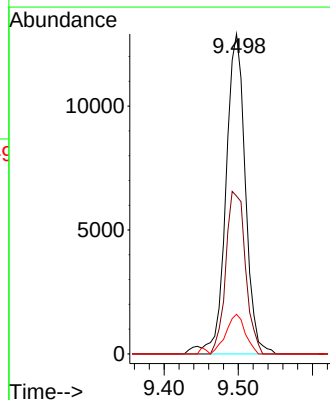
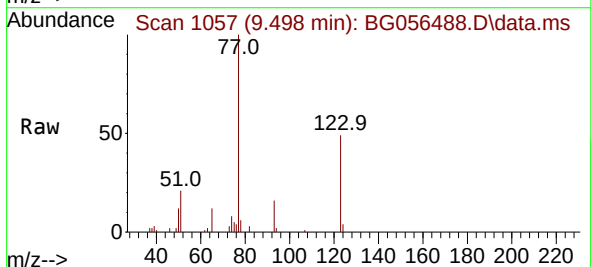
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

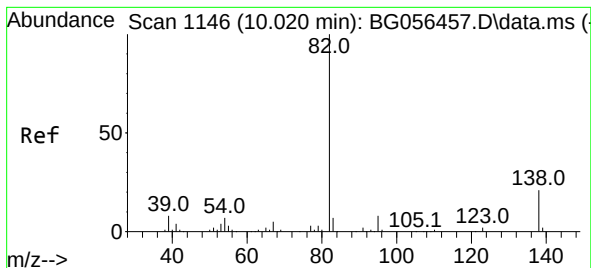
Tgt Ion: 82 Resp: 180532
 Ion Ratio Lower Upper
 82 100
 128 43.8 39.4 59.2
 54 26.0 21.4 32.2



#24
 Nitrobenzene
 Concen: 10.173 ng
 RT: 9.498 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

Tgt Ion: 77 Resp: 23449
 Ion Ratio Lower Upper
 77 100
 123 49.3 44.0 66.0
 65 12.4 9.7 14.5





#25

Isophorone

Concen: 9.606 ng

RT: 10.015 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

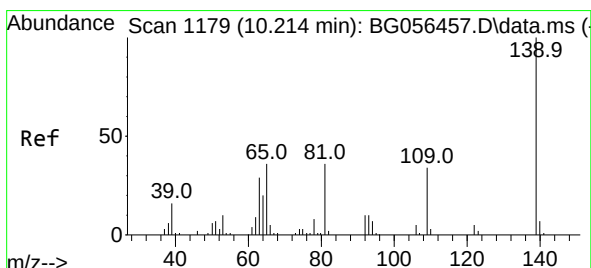
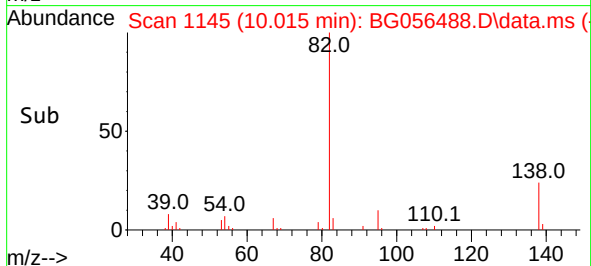
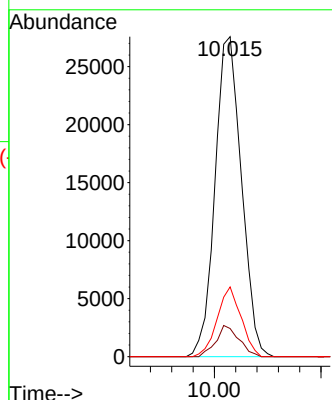
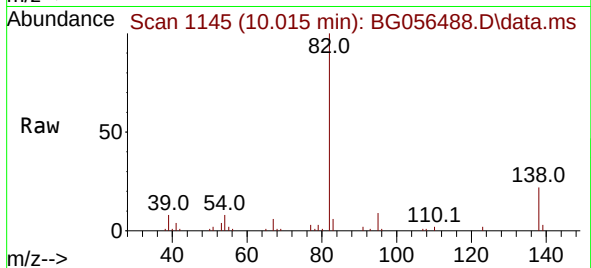
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 82	Resp: 47357
Ion Ratio	Lower Upper
82 100	
95 8.8	6.3 9.5
138 21.8	16.6 25.0



#26

2-Nitrophenol

Concen: 9.692 ng

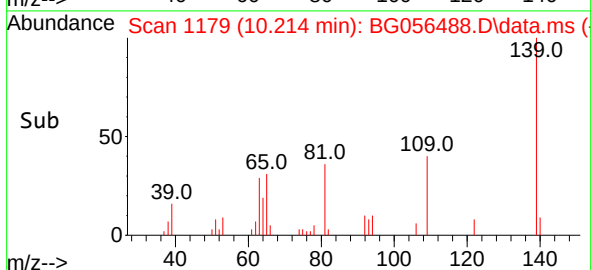
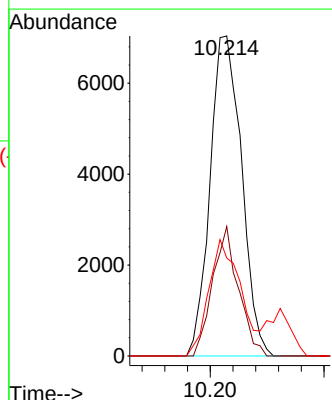
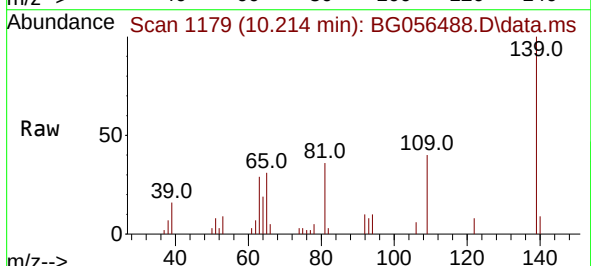
RT: 10.214 min Scan# 1179

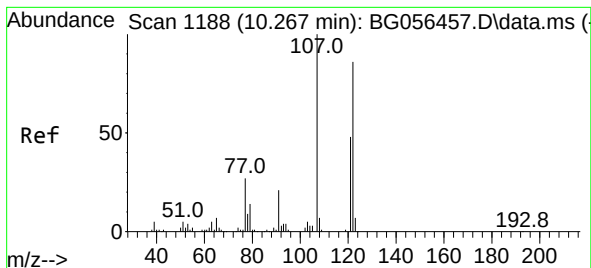
Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Tgt Ion: 139	Resp: 13555
Ion Ratio	Lower Upper
139 100	
109 40.4	26.9 40.3
65 30.6	29.0 43.4





#27

2,4-Dimethylphenol

Concen: 8.026 ng

RT: 10.256 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

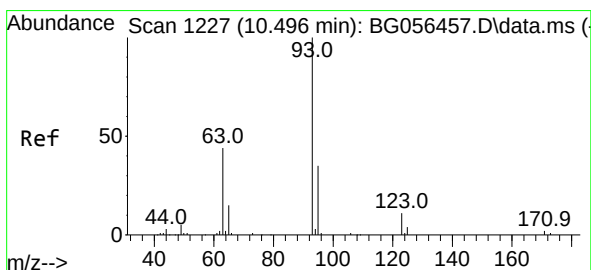
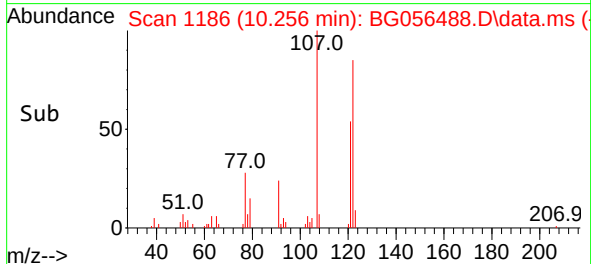
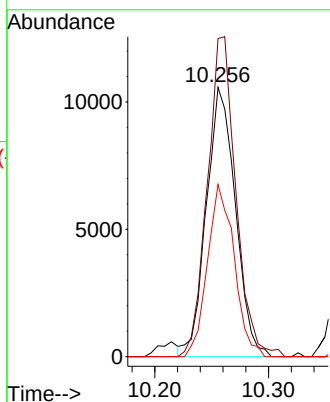
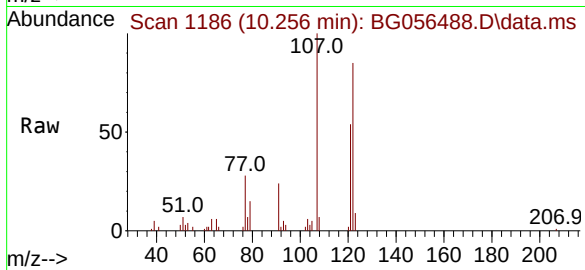
Tgt Ion:122 Resp: 18784

Ion Ratio Lower Upper

122 100

107 118.1 92.9 139.3

121 63.9 45.0 67.4



#28

bis(2-Chloroethoxy)methane

Concen: 9.860 ng

RT: 10.491 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

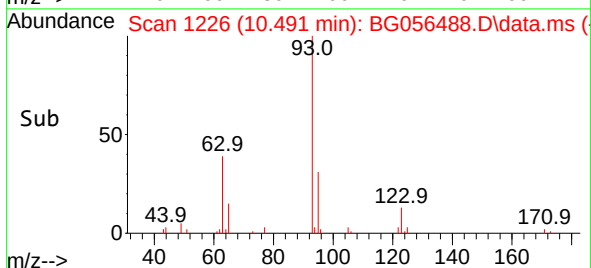
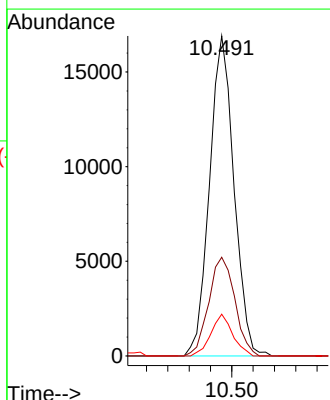
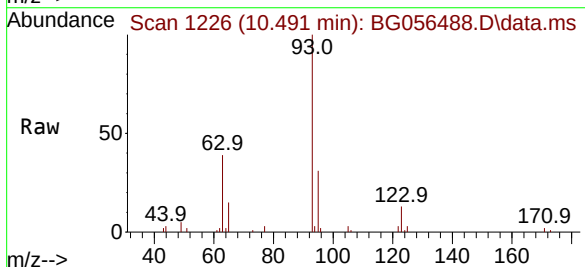
Tgt Ion: 93 Resp: 26854

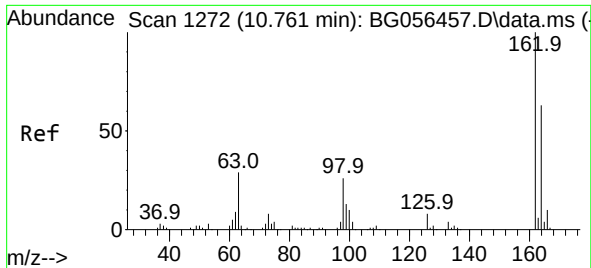
Ion Ratio Lower Upper

93 100

95 30.9 27.9 41.9

123 13.0 8.6 12.8#





#29

2,4-Dichlorophenol

Concen: 9.486 ng

RT: 10.755 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

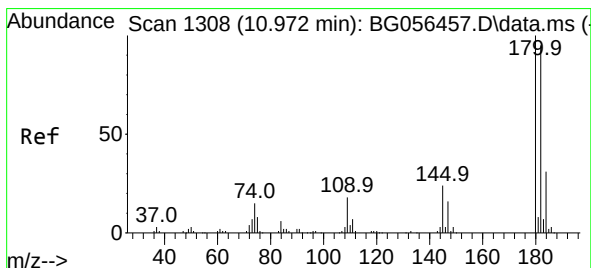
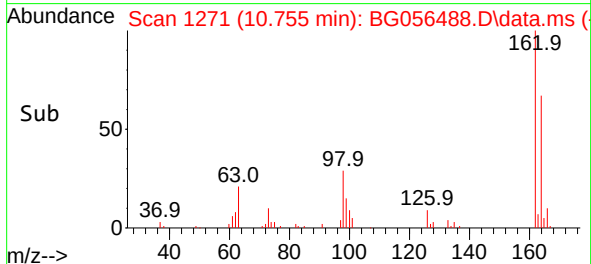
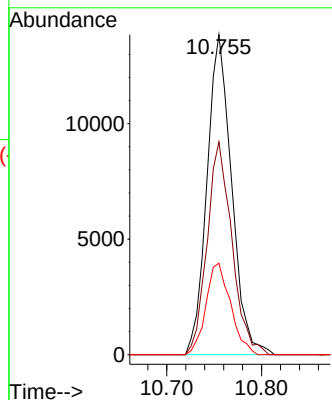
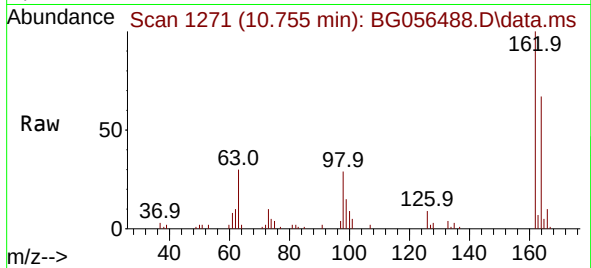
Tgt Ion:162 Resp: 24991

Ion Ratio Lower Upper

162 100

164 66.5 42.8 82.8

98 28.6 6.5 46.5



#30

1,2,4-Trichlorobenzene

Concen: 10.224 ng

RT: 10.966 min Scan# 1307

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

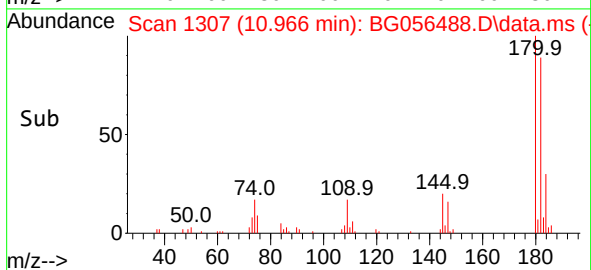
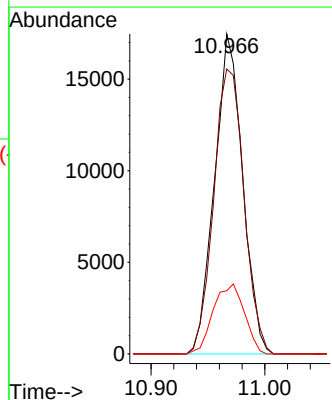
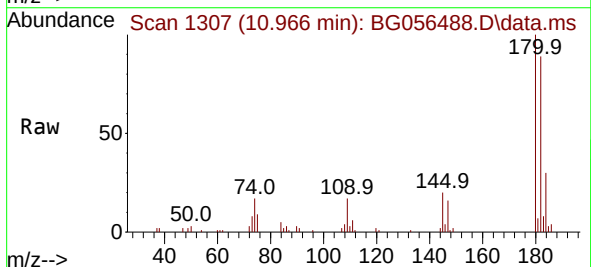
Tgt Ion:180 Resp: 29933

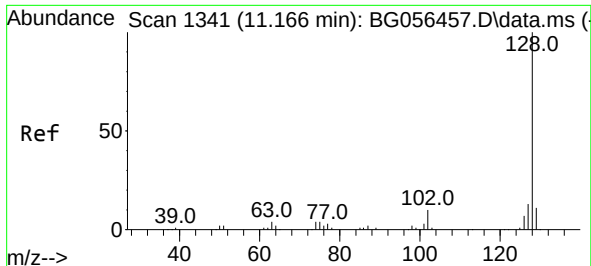
Ion Ratio Lower Upper

180 100

182 89.1 75.9 113.9

145 19.7 19.4 29.0

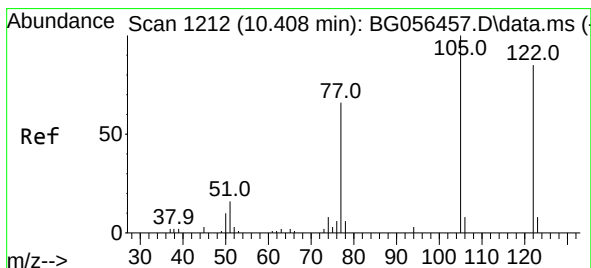
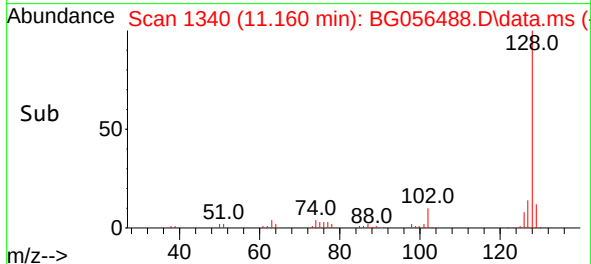
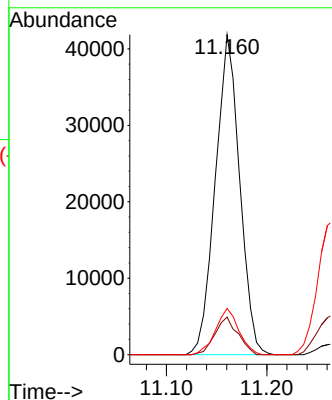
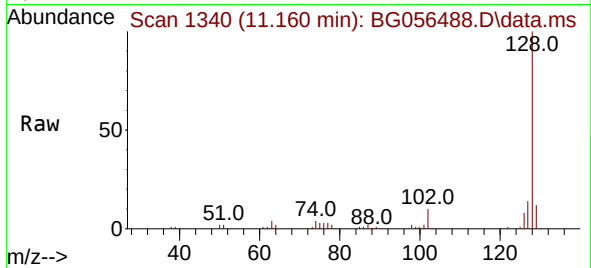




#31
Naphthalene
Concen: 9.839 ng
RT: 11.160 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

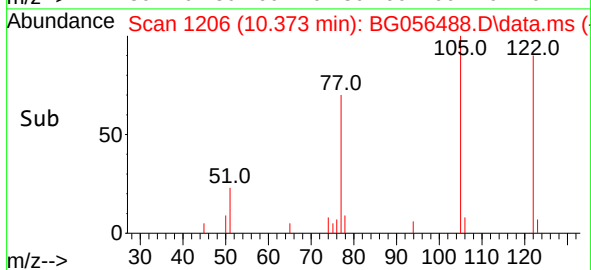
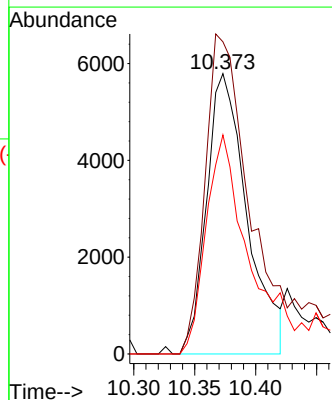
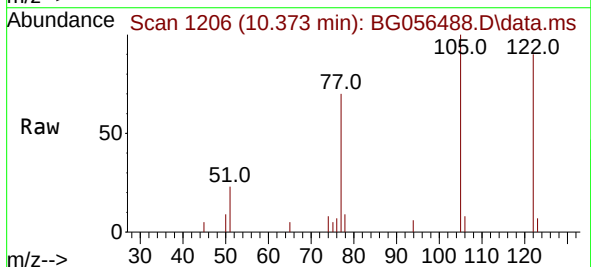
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

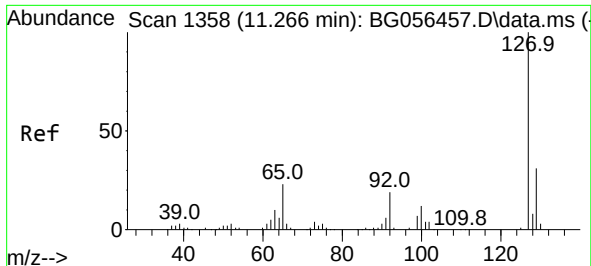
Tgt Ion:128 Resp: 70469
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 14.4 10.4 15.6



#32
Benzoic acid
Concen: 10.222 ng
RT: 10.373 min Scan# 1206
Delta R.T. -0.029 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:122 Resp: 13385
Ion Ratio Lower Upper
122 100
105 111.4 96.5 136.5
77 78.2 57.3 97.3

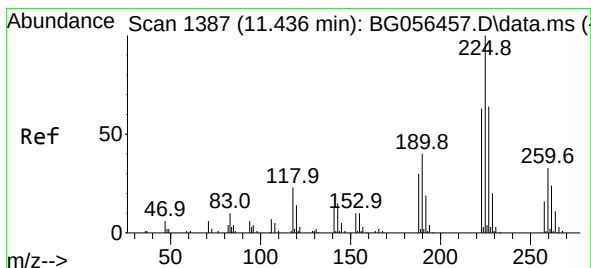
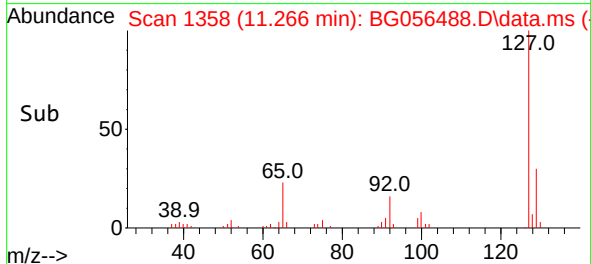
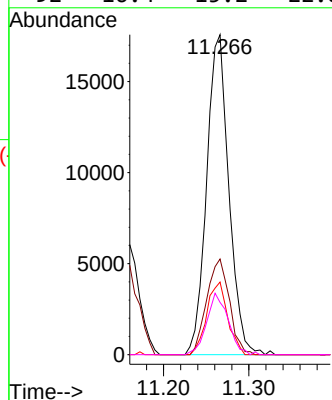
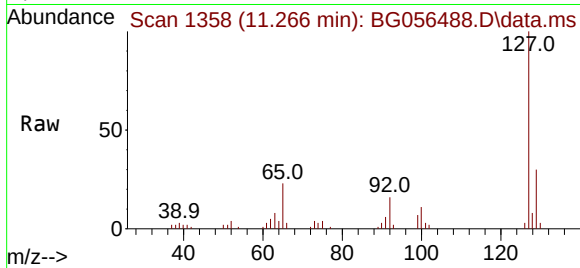




#33
4-Chloroaniline
Concen: 9.523 ng
RT: 11.266 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

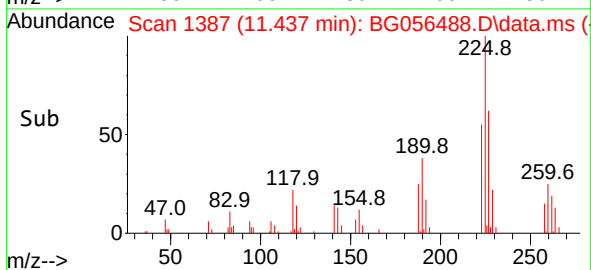
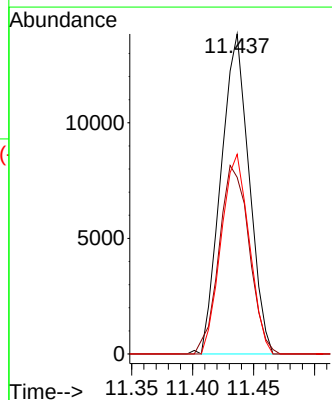
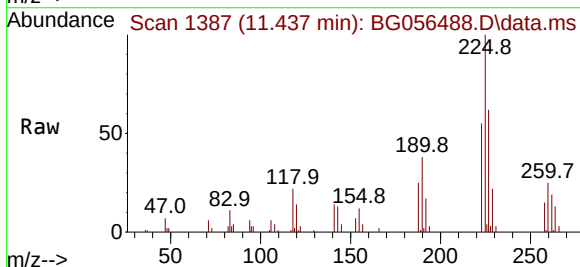
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

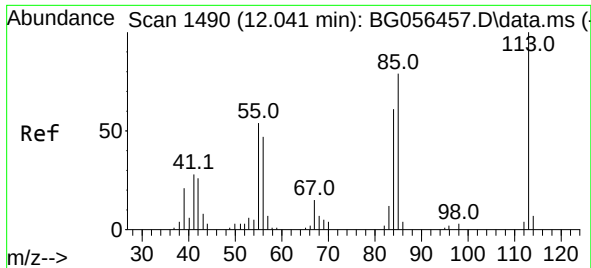
Tgt Ion:	127	Resp:	31836
Ion	Ratio	Lower	Upper
127	100		
129	29.9	25.0	37.6
65	22.7	18.5	27.7
92	16.4	15.2	22.8



#34
Hexachlorobutadiene
Concen: 10.812 ng
RT: 11.437 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:	225	Resp:	22218
Ion	Ratio	Lower	Upper
225	100		
223	53.0	50.6	75.8
227	59.9	53.7	80.5

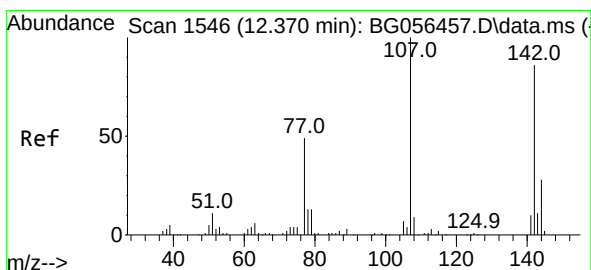
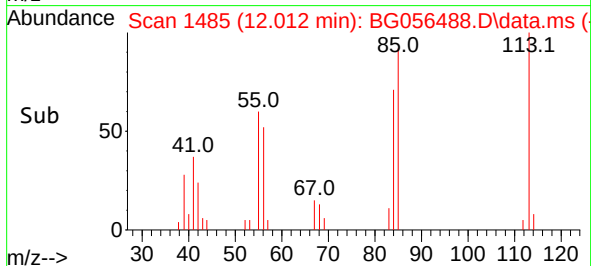
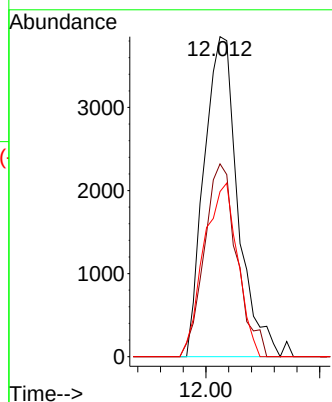
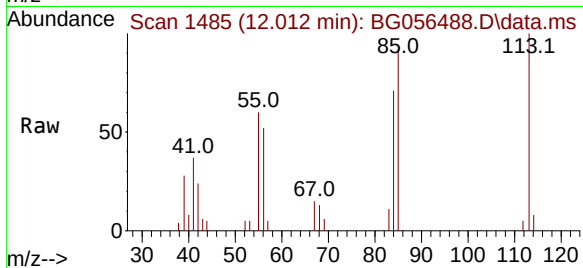




#35
Caprolactam
Concen: 8.942 ng
RT: 12.012 min Scan# 1490
Delta R.T. -0.018 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

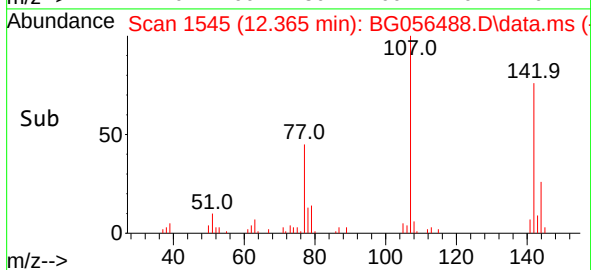
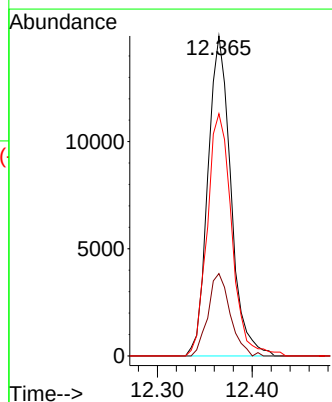
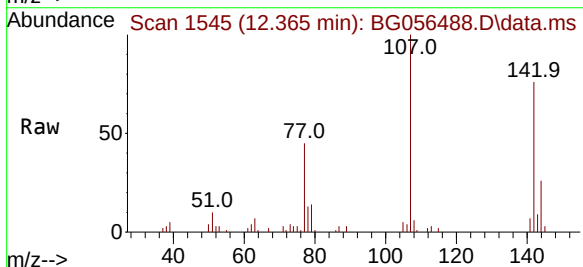
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

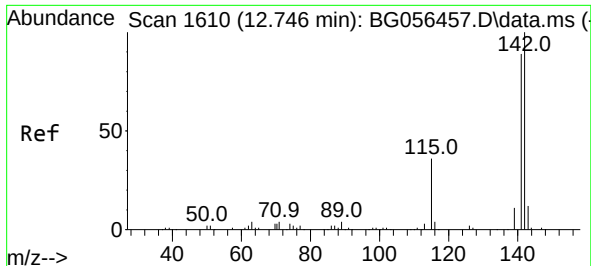
Tgt Ion:113 Resp: 7945
Ion Ratio Lower Upper
113 100
55 60.2 33.7 73.7
56 51.6 27.1 67.1



#36
4-Chloro-3-methylphenol
Concen: 9.867 ng
RT: 12.365 min Scan# 1545
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:107 Resp: 25105
Ion Ratio Lower Upper
107 100
144 25.8 22.3 33.5
142 75.7 68.9 103.3

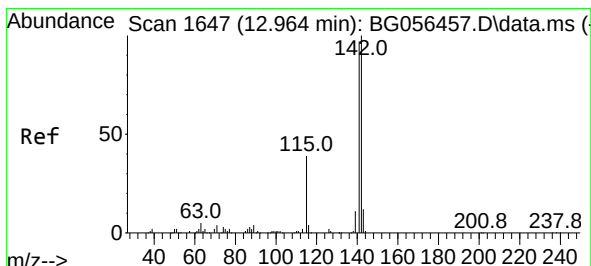
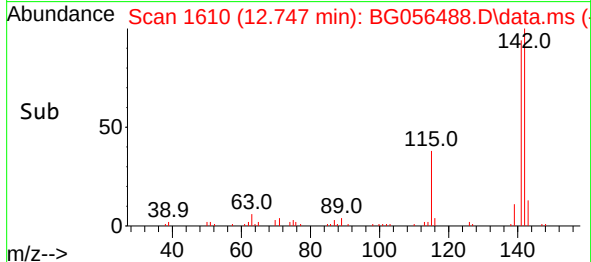
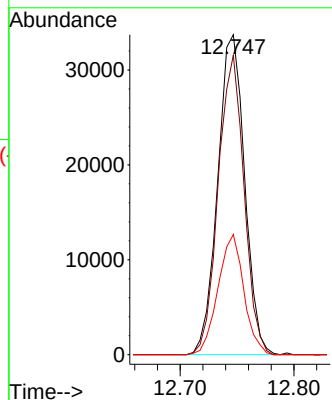
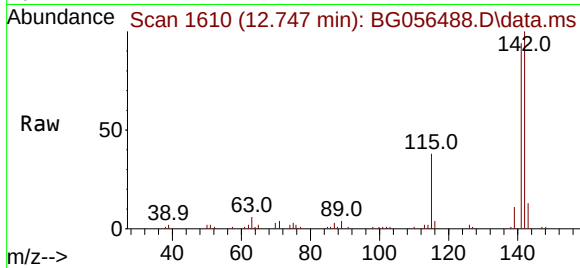




#37
2-Methylnaphthalene
Concen: 9.386 ng
RT: 12.747 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

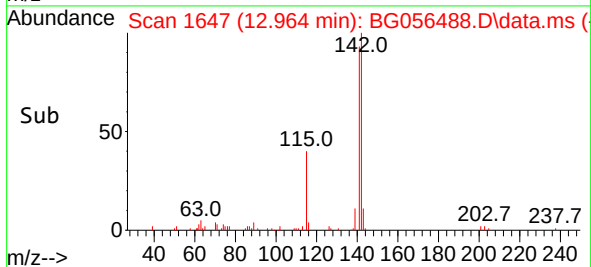
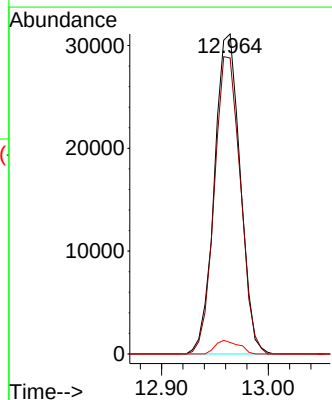
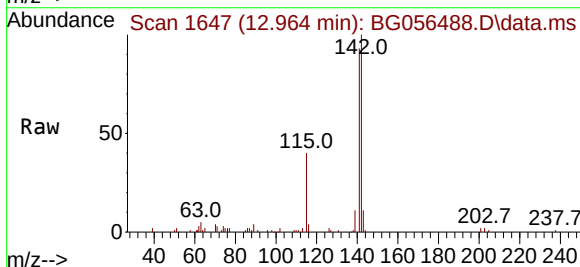
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

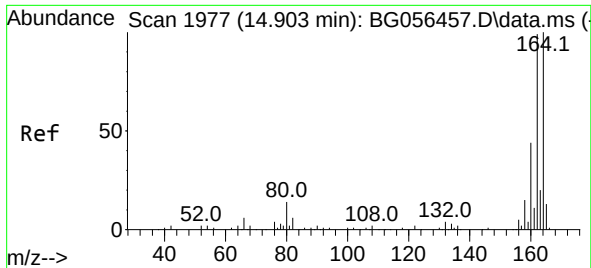
Tgt Ion:142 Resp: 55423
Ion Ratio Lower Upper
142 100
141 93.6 71.4 107.0
115 37.5 28.4 42.6



#38
1-Methylnaphthalene
Concen: 9.451 ng
RT: 12.964 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:142 Resp: 52116
Ion Ratio Lower Upper
142 100
141 92.5 77.7 116.5
116 3.6 3.4 5.2

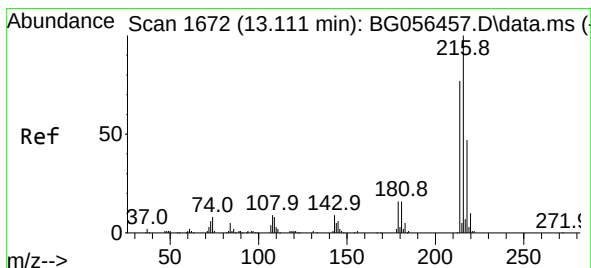
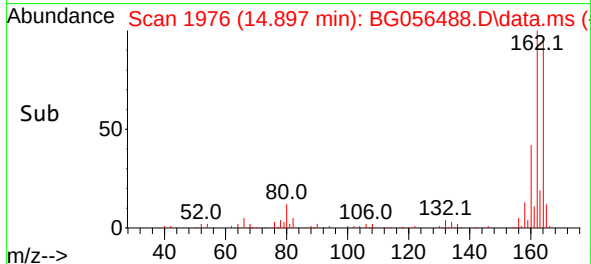
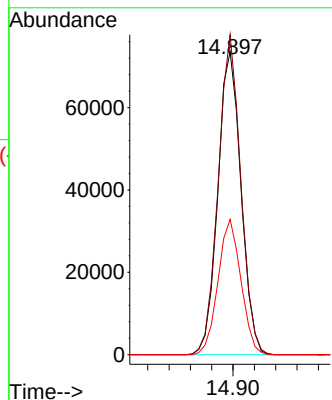
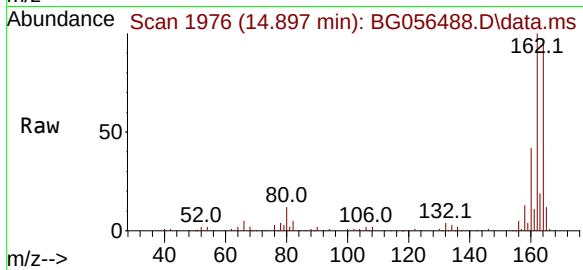




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.897 min Scan# 1976
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

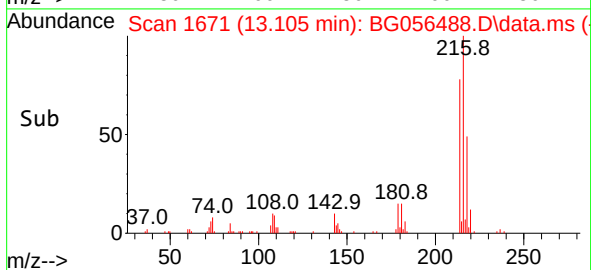
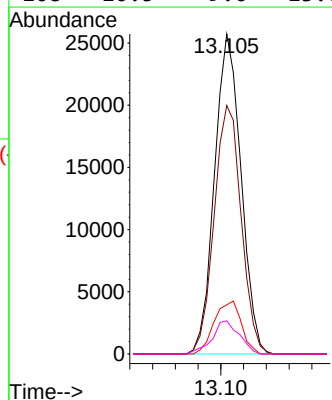
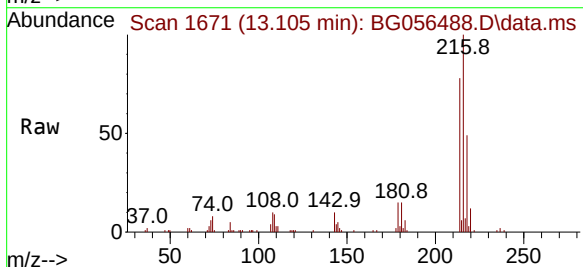
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

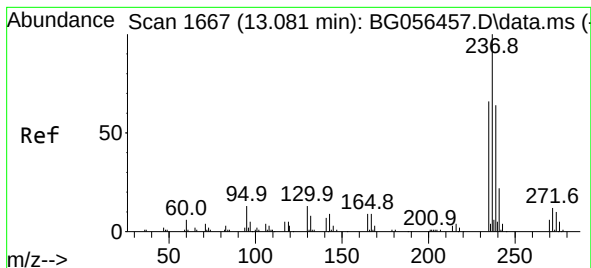
Tgt Ion:164 Resp: 110448
Ion Ratio Lower Upper
164 100
162 105.6 79.6 119.4
160 44.7 34.9 52.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.297 ng
RT: 13.105 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:216 Resp: 41549
Ion Ratio Lower Upper
216 100
214 79.2 63.0 94.6
179 16.9 14.1 21.1
108 10.5 9.0 13.6





#41

Hexachlorocyclopentadiene

Concen: 12.434 ng

RT: 13.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

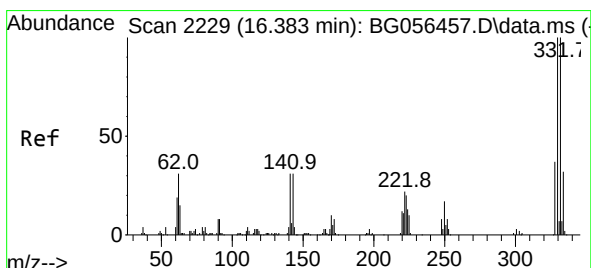
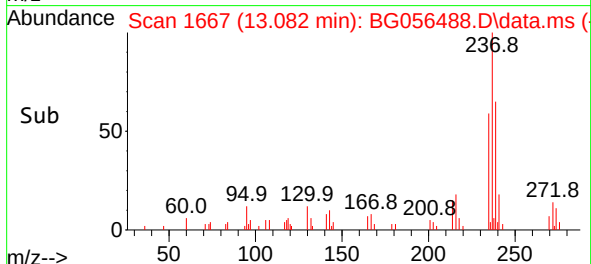
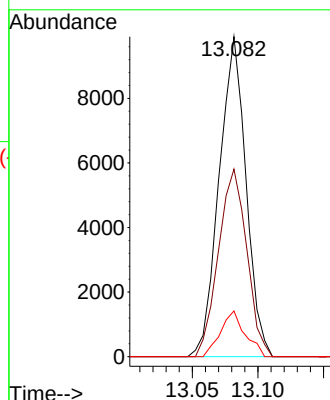
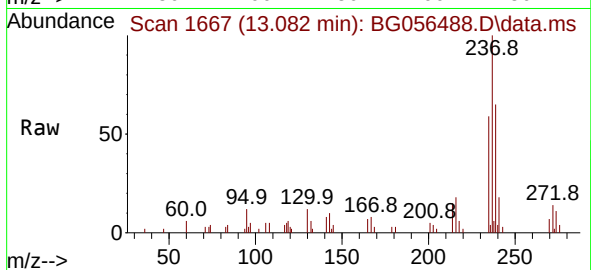
Tgt Ion:237 Resp: 14091

Ion Ratio Lower Upper

237 100

235 58.6 45.6 85.6

272 14.3 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 116.103 ng

RT: 16.378 min Scan# 2228

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

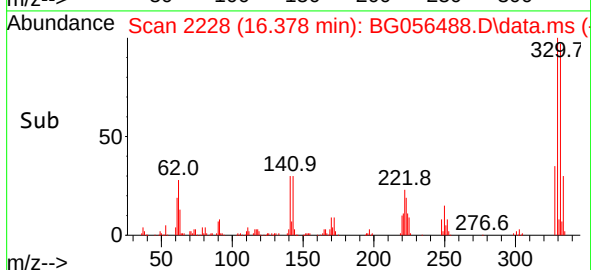
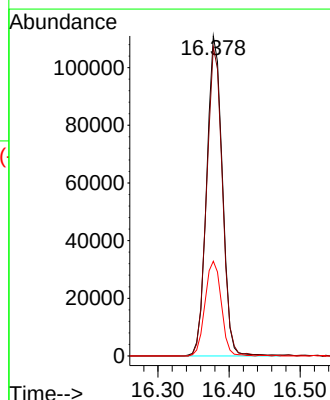
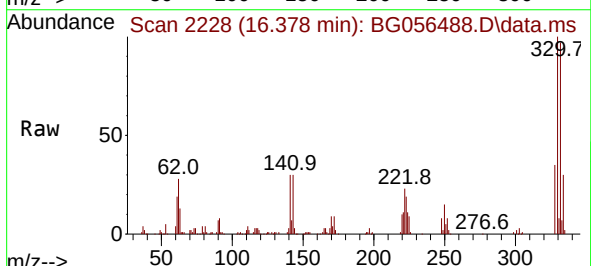
Tgt Ion:330 Resp: 170478

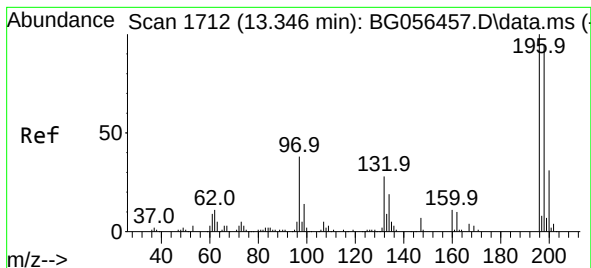
Ion Ratio Lower Upper

330 100

332 97.0 79.0 118.6

141 30.6 24.2 36.4





#43

2,4,6-Trichlorophenol

Concen: 9.788 ng

RT: 13.340 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG056488.D

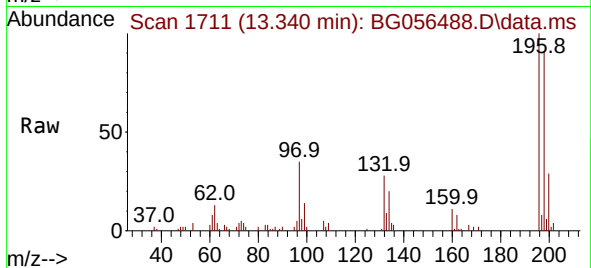
Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



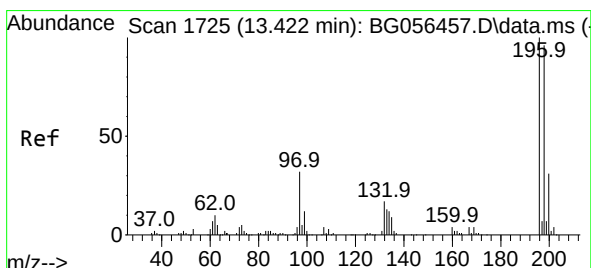
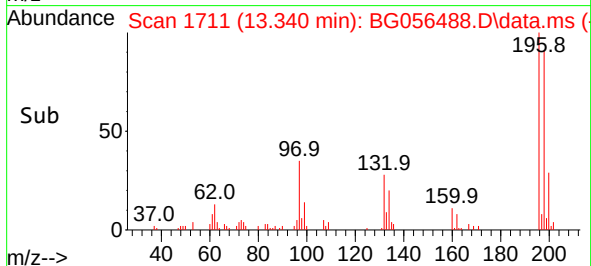
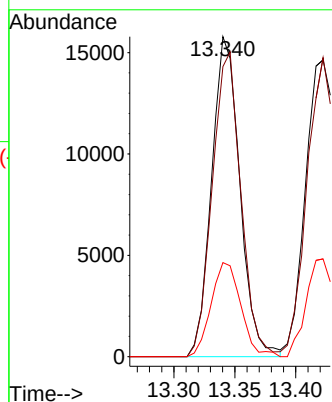
Tgt Ion:196 Resp: 25451

Ion Ratio Lower Upper

196 100

198 90.6 75.4 113.0

200 29.4 25.0 37.6



#44

2,4,5-Trichlorophenol

Concen: 8.951 ng

RT: 13.422 min Scan# 1725

Delta R.T. 0.006 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Tgt Ion:196 Resp: 27250

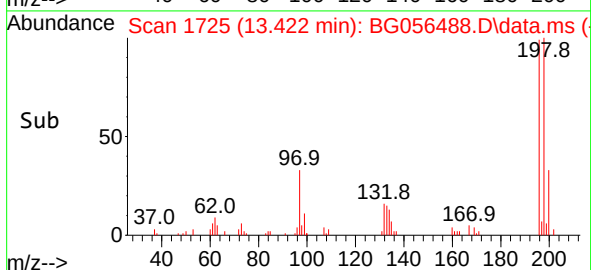
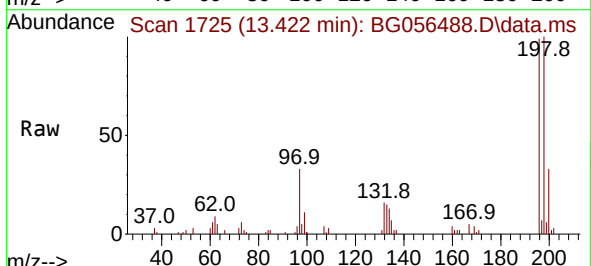
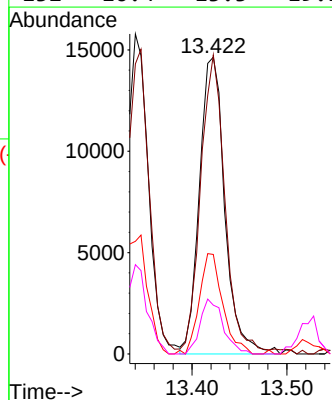
Ion Ratio Lower Upper

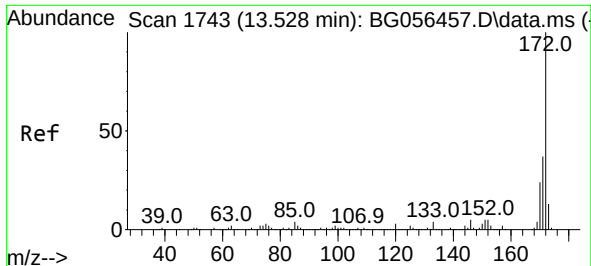
196 100

198 100.7 76.9 115.3

97 33.5 25.8 38.6

132 16.4 13.3 19.9

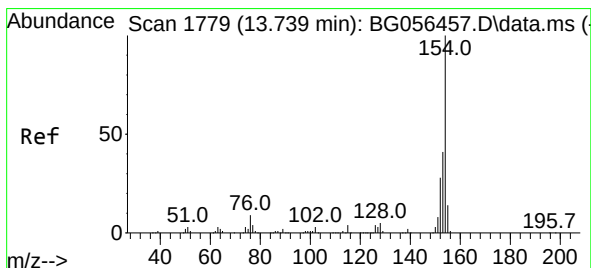
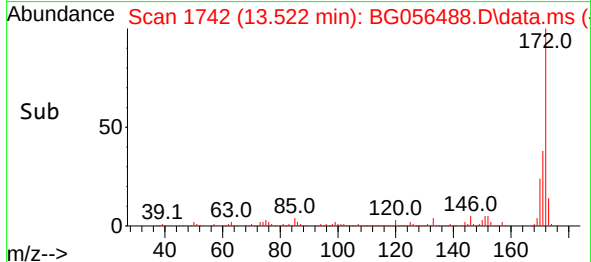
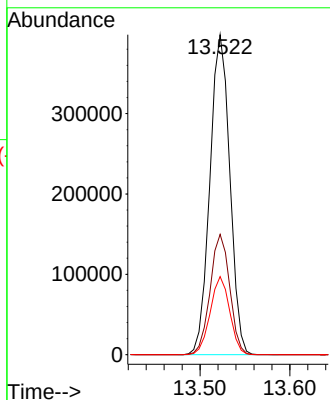
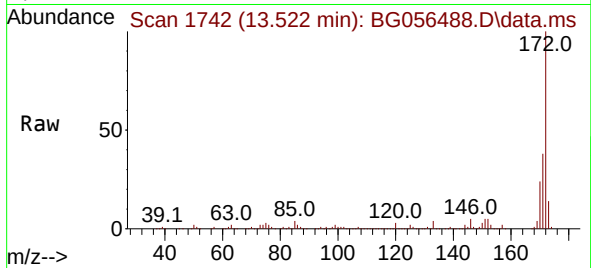




#45
2-Fluorobiphenyl
Concen: 76.963 ng
RT: 13.522 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

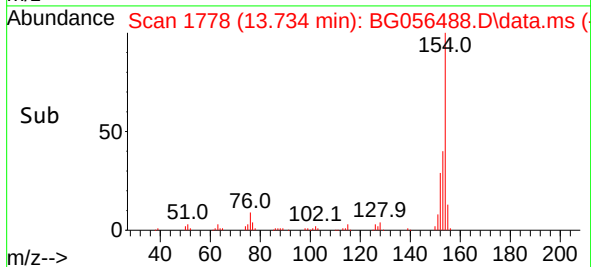
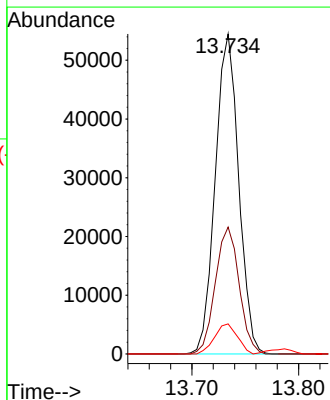
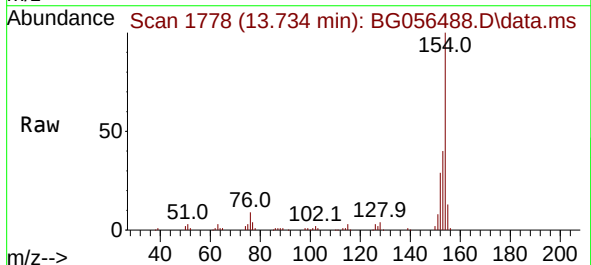
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

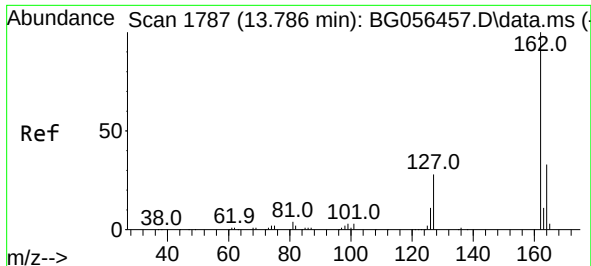
Tgt Ion:172 Resp: 613120
Ion Ratio Lower Upper
172 100
171 37.6 29.5 44.3
170 24.4 19.2 28.8



#46
1,1'-Biphenyl
Concen: 10.340 ng
RT: 13.734 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:154 Resp: 82833
Ion Ratio Lower Upper
154 100
153 39.7 21.5 61.5
76 9.4 0.0 28.8

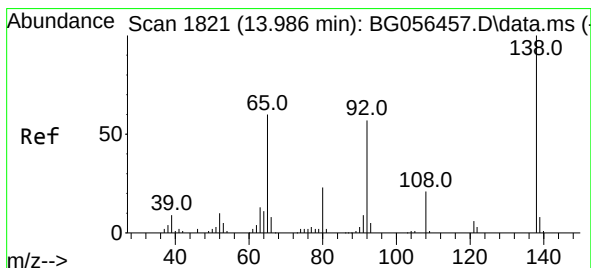
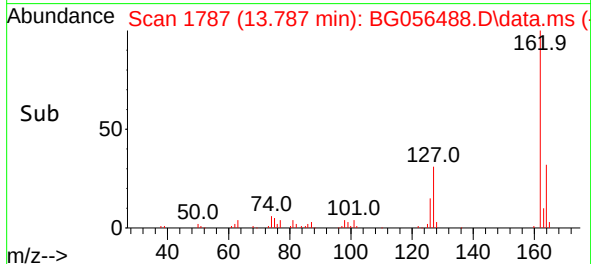
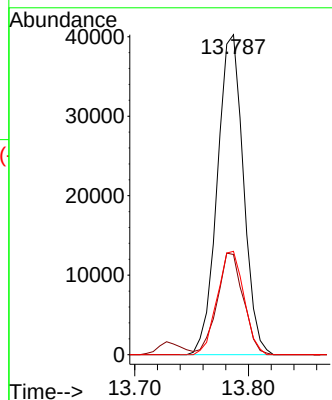
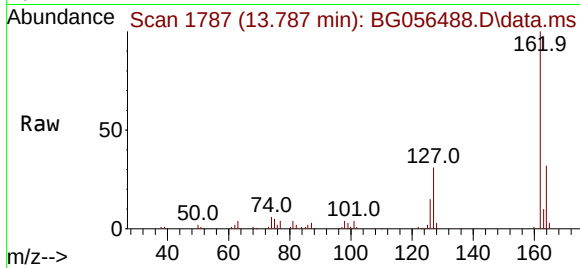




#47
2-Chloronaphthalene
Concen: 10.242 ng
RT: 13.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

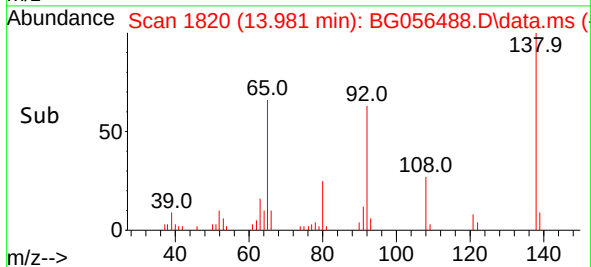
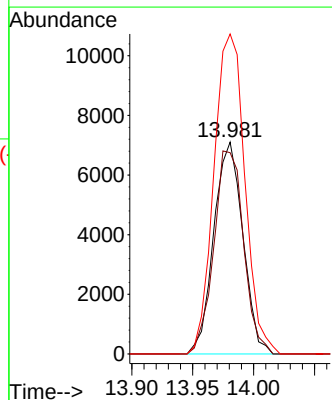
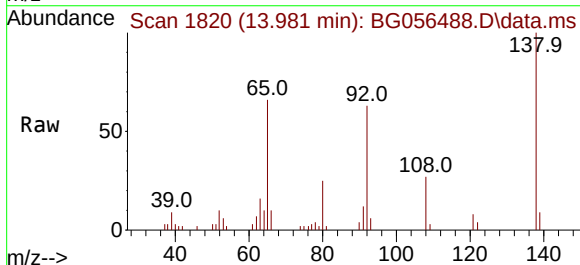
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

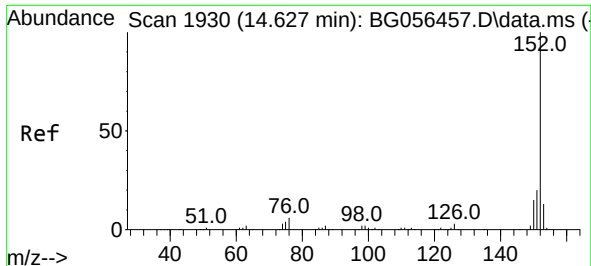
Tgt Ion:162 Resp: 64130
Ion Ratio Lower Upper
162 100
127 31.3 25.2 37.8
164 32.3 26.2 39.2



#48
2-Nitroaniline
Concen: 9.090 ng
RT: 13.981 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion: 65 Resp: 11766
Ion Ratio Lower Upper
65 100
92 95.0 75.8 113.6
138 151.1 133.2 199.8

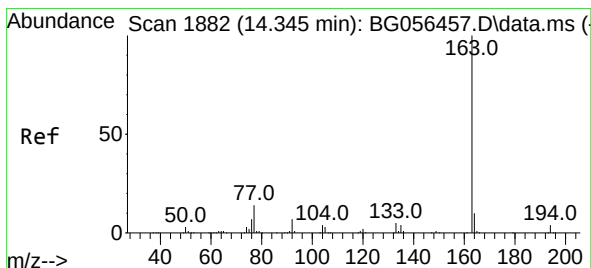
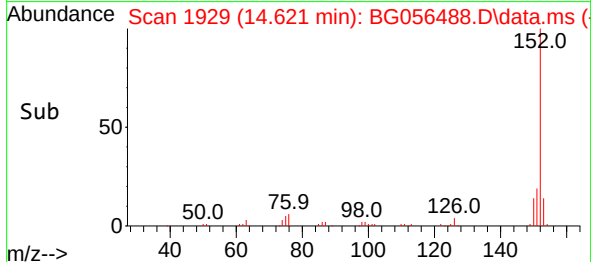
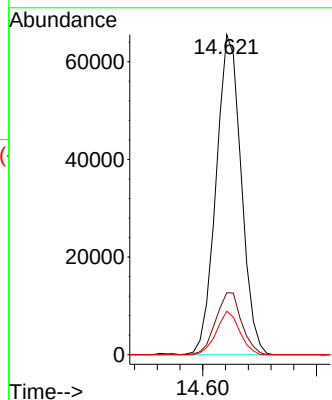
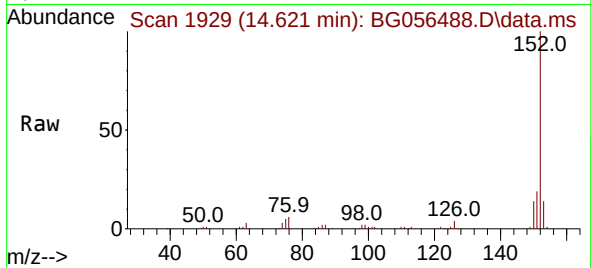




#49
Acenaphthylene
Concen: 9.867 ng
RT: 14.621 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

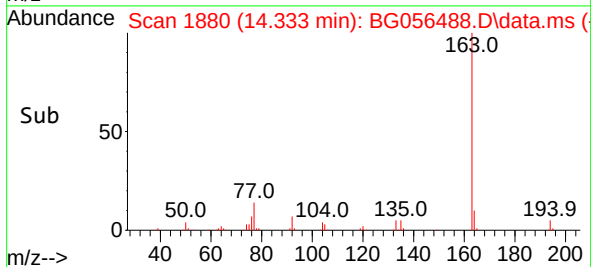
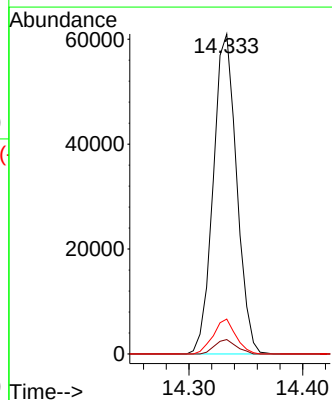
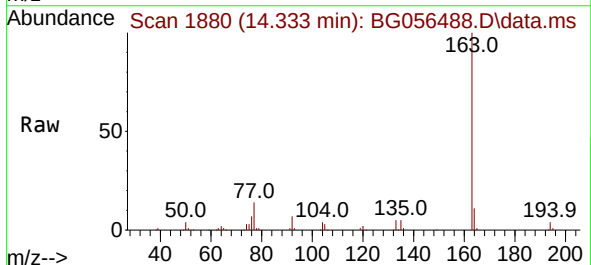
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

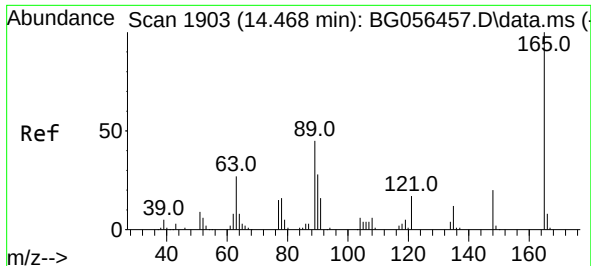
Tgt Ion:152 Resp: 100525
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 13.5 10.5 15.7



#50
Dimethylphthalate
Concen: 9.761 ng
RT: 14.333 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:163 Resp: 87218
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.9 8.1 12.1

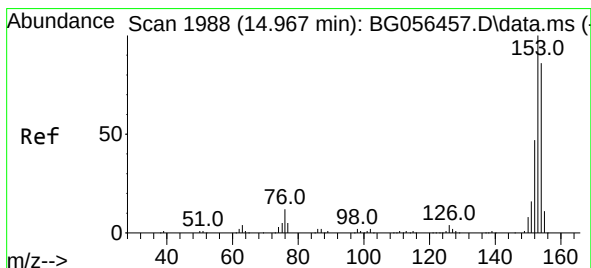
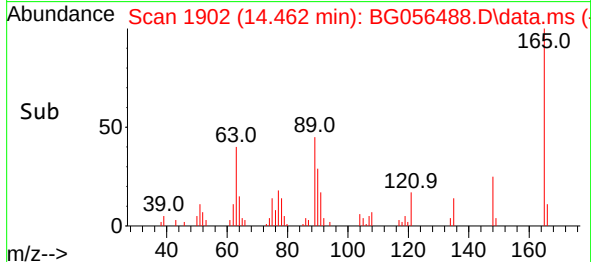
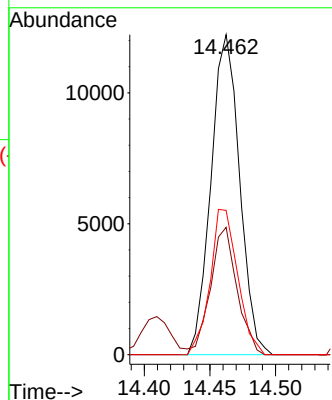
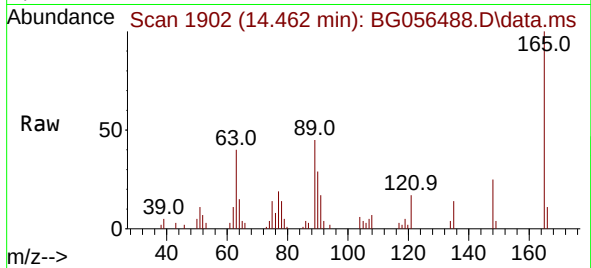




#51
2,6-Dinitrotoluene
Concen: 9.495 ng
RT: 14.462 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

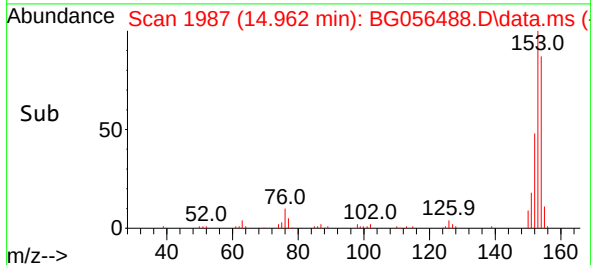
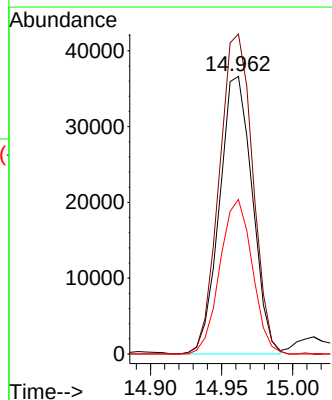
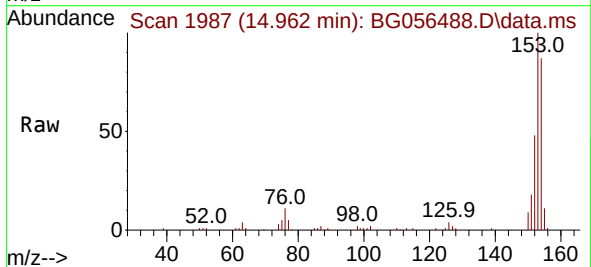
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

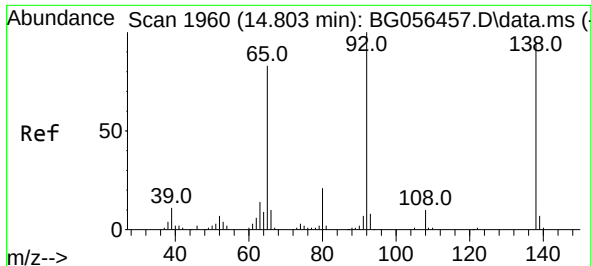
Tgt Ion:165 Resp: 18502
Ion Ratio Lower Upper
165 100
63 39.8 26.9 40.3
89 45.1 35.6 53.4



#52
Acenaphthene
Concen: 9.743 ng
RT: 14.962 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

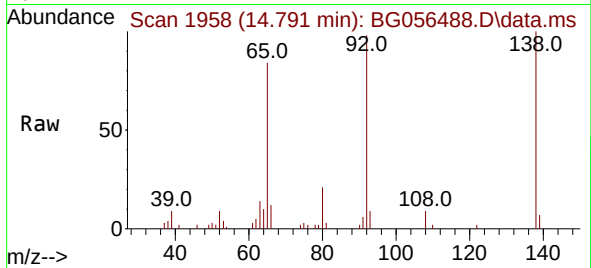
Tgt Ion:154 Resp: 58860
Ion Ratio Lower Upper
154 100
153 115.3 93.4 140.0
152 55.7 43.4 65.2



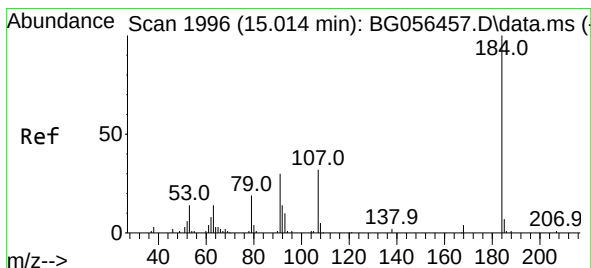
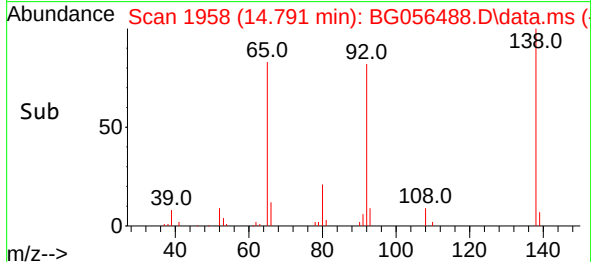
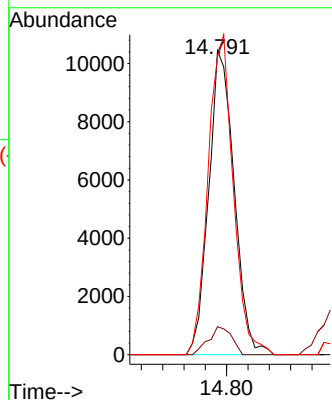


#53
3-Nitroaniline
Concen: 9.188 ng
RT: 14.791 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

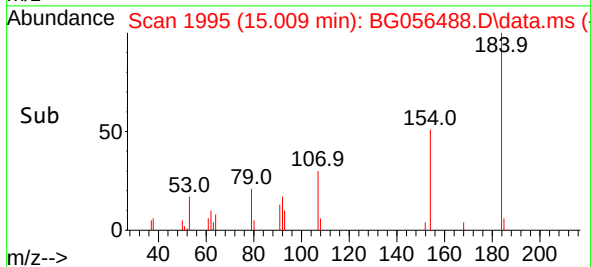
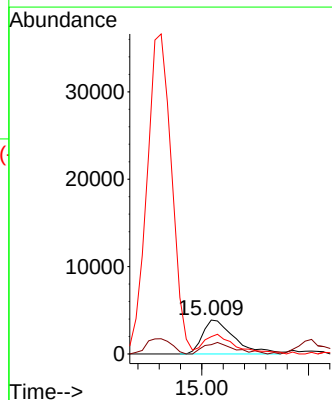
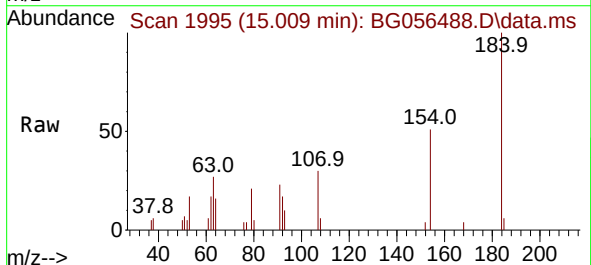


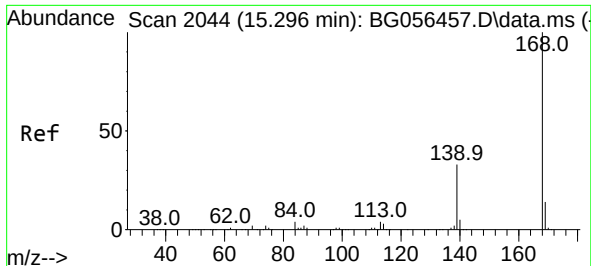
Tgt Ion:138 Resp: 17358
Ion Ratio Lower Upper
138 100
108 9.2 8.0 12.0
92 97.8 84.1 126.1



#54
2,4-Dinitrophenol
Concen: 6.620 ng
RT: 15.009 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:184 Resp: 8087
Ion Ratio Lower Upper
184 100
63 27.4 25.1 37.7
154 50.7 44.8 67.2

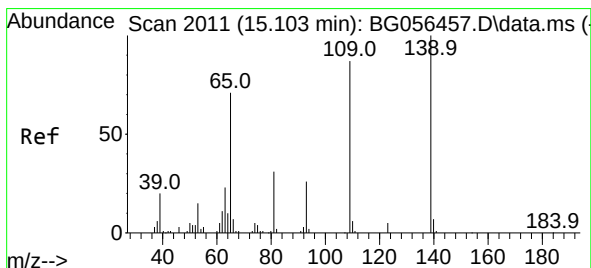
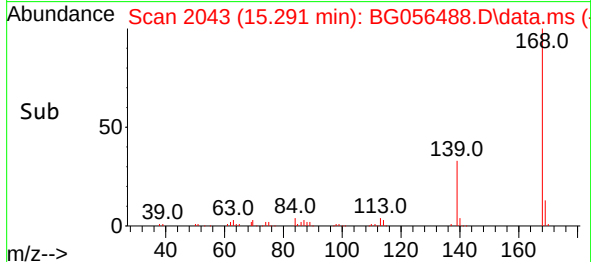
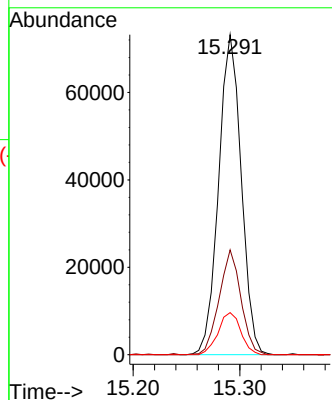
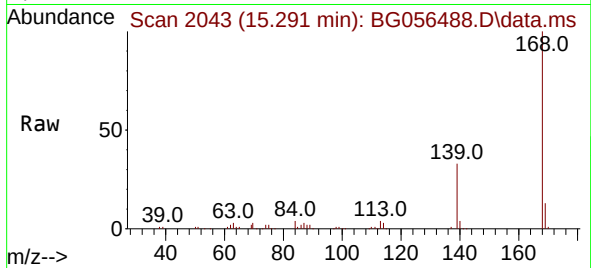




#55
Dibenzenofuran
Concen: 9.928 ng
RT: 15.291 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

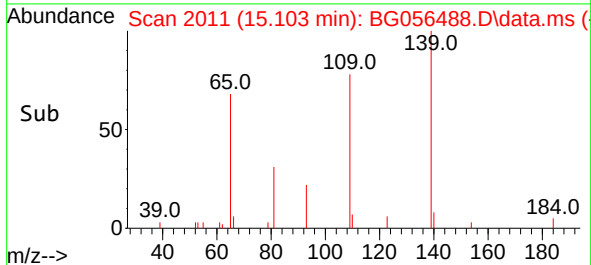
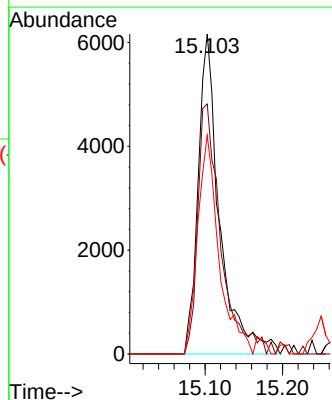
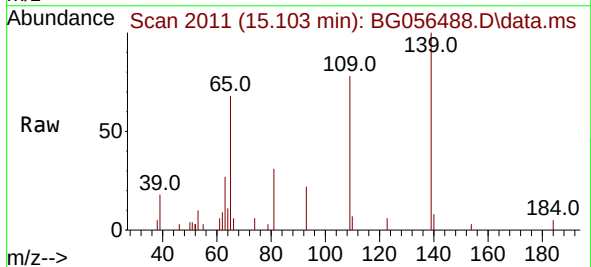
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

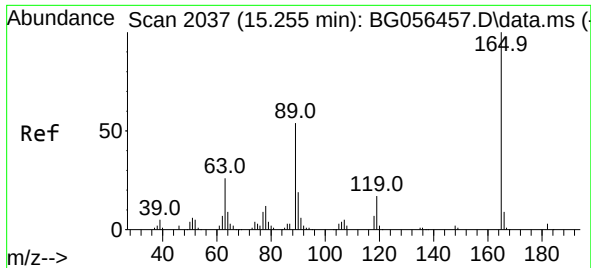
Tgt Ion:168 Resp: 107563
Ion Ratio Lower Upper
168 100
139 32.7 26.2 39.2
169 13.2 11.0 16.6



#56
4-Nitrophenol
Concen: 9.167 ng
RT: 15.103 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:139 Resp: 11833
Ion Ratio Lower Upper
139 100
109 78.1 67.5 107.5
65 68.2 50.7 90.7





#57

2,4-Dinitrotoluene

Concen: 9.855 ng

RT: 15.250 min Scan# 2037

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:165 Resp: 27049

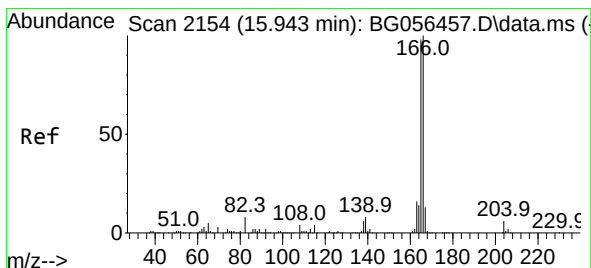
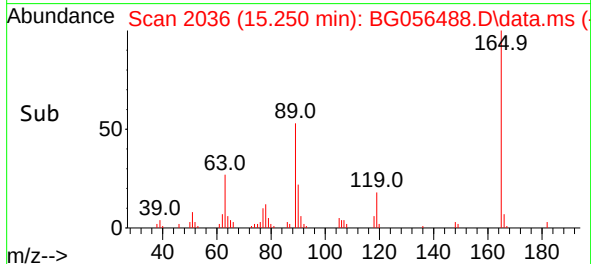
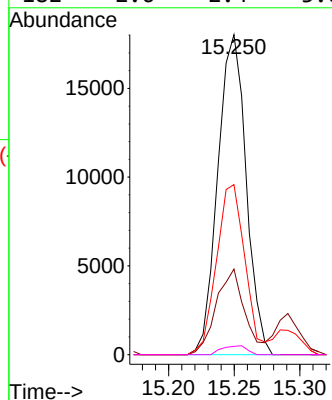
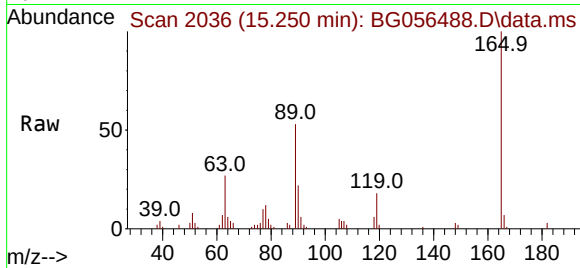
Ion Ratio Lower Upper

165 100

63 26.8 20.6 31.0

89 53.2 43.1 64.7

182 2.6 2.4 3.6



#58

Fluorene

Concen: 9.896 ng

RT: 15.937 min Scan# 2153

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

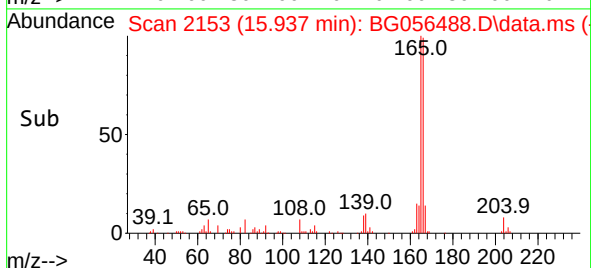
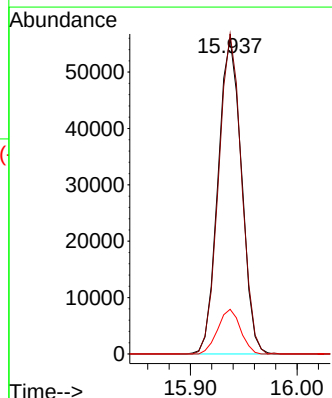
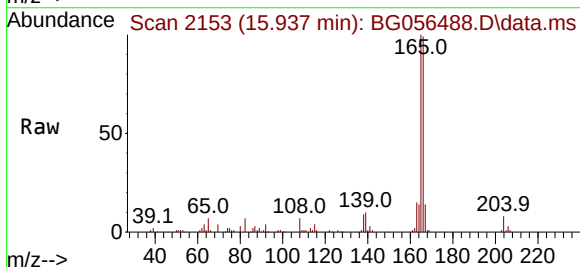
Tgt Ion:166 Resp: 85316

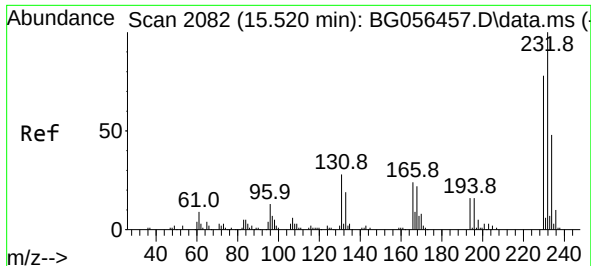
Ion Ratio Lower Upper

166 100

165 101.5 78.8 118.2

167 14.2 10.6 15.8

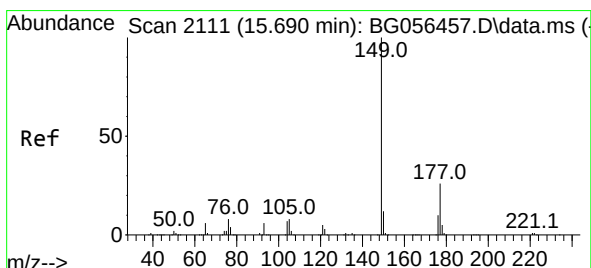
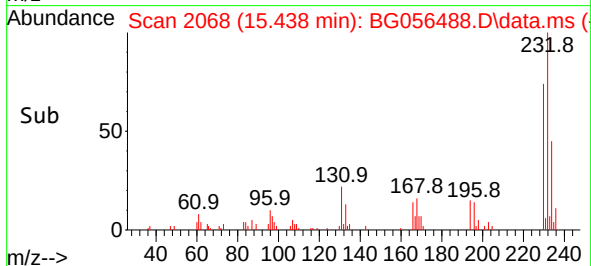
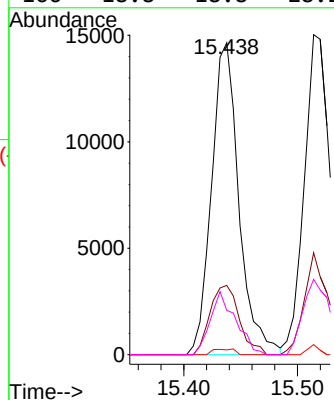
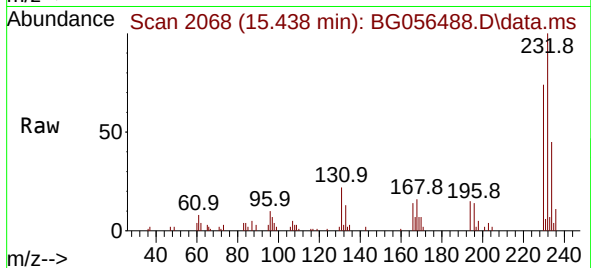




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.050 ng
RT: 15.438 min Scan# 2082
Delta R.T. -0.076 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

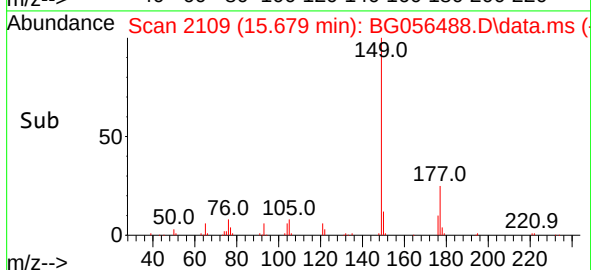
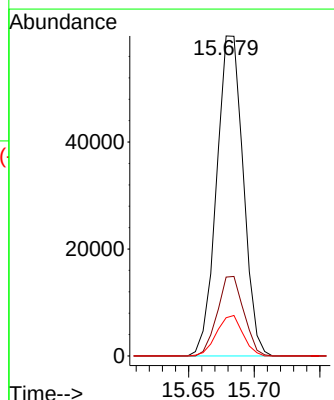
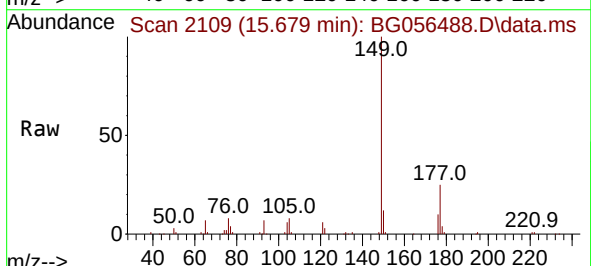
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

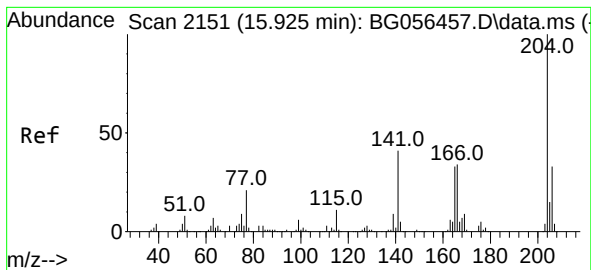
Tgt Ion:232	Resp:	24498
Ion Ratio	Lower	Upper
232	100	
131	23.8	22.8 34.2
130	1.4	1.4 2.0
166	18.8	18.8 28.2



#60
Diethylphthalate
Concen: 10.043 ng
RT: 15.679 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:149	Resp:	84268
Ion Ratio	Lower	Upper
149	100	
177	24.7	21.0 31.4
150	12.0	9.9 14.9

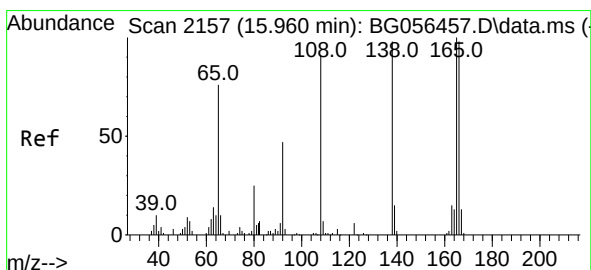
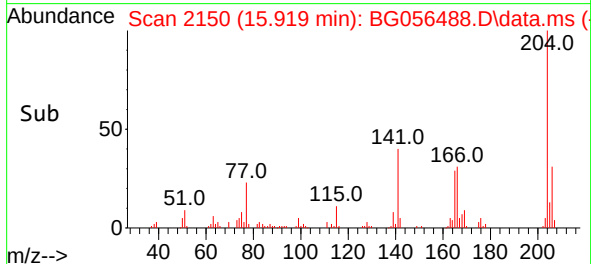
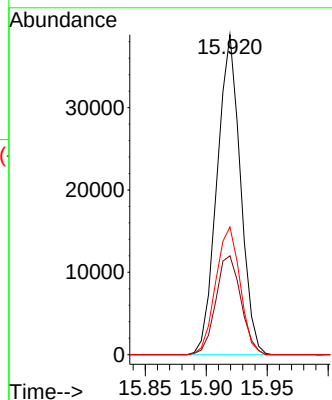
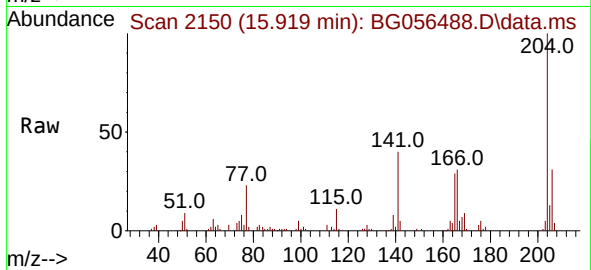




#61
4-Chlorophenyl-phenylether
Concen: 9.851 ng
RT: 15.919 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

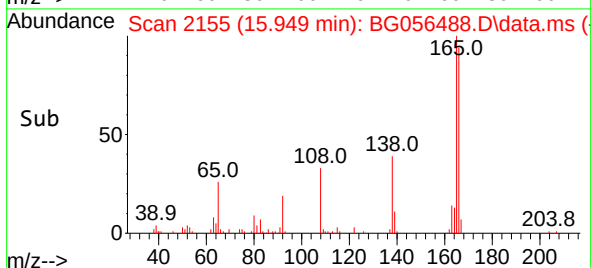
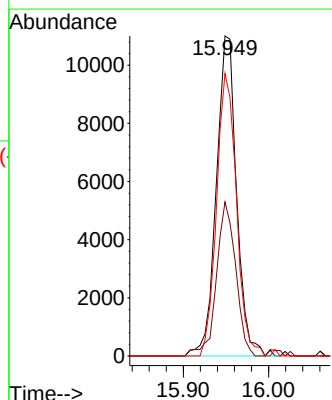
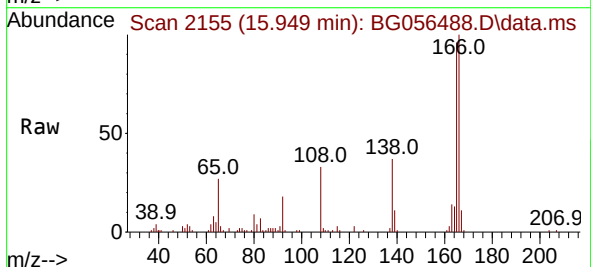
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

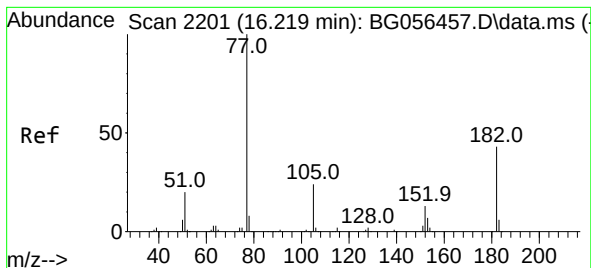
Tgt Ion:204 Resp: 51825
Ion Ratio Lower Upper
204 100
206 30.9 26.2 39.4
141 39.9 32.7 49.1



#62
4-Nitroaniline
Concen: 9.659 ng
RT: 15.949 min Scan# 2155
Delta R.T. -0.012 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:138 Resp: 18258
Ion Ratio Lower Upper
138 100
92 48.1 27.8 67.8
108 88.3 72.6 112.6





#63

Azobenzene

Concen: 9.990 ng

RT: 16.213 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 77 Resp: 57678

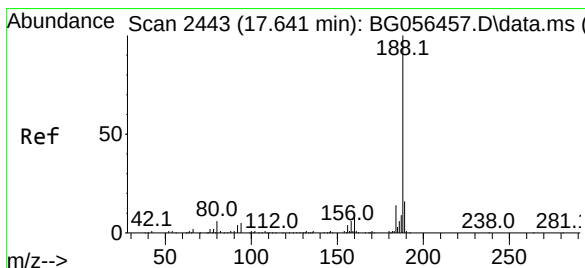
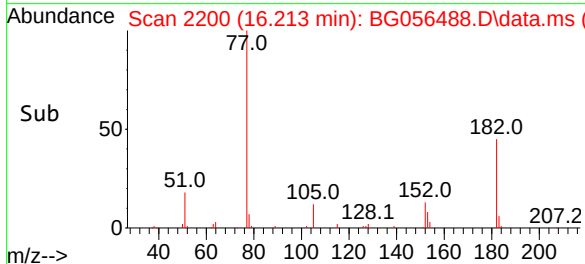
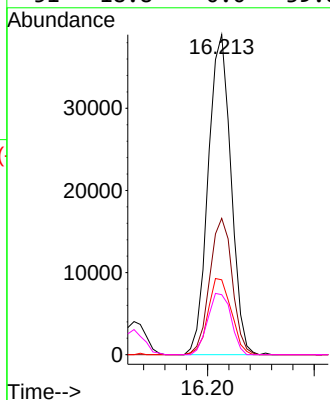
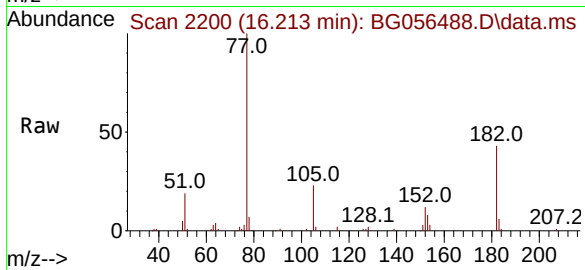
Ion Ratio Lower Upper

77 100

182 42.6 23.1 63.1

105 23.4 4.2 44.2

51 18.8 0.0 39.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.635 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

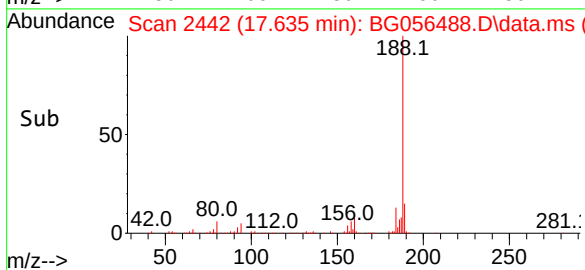
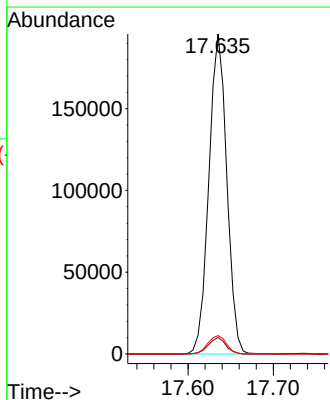
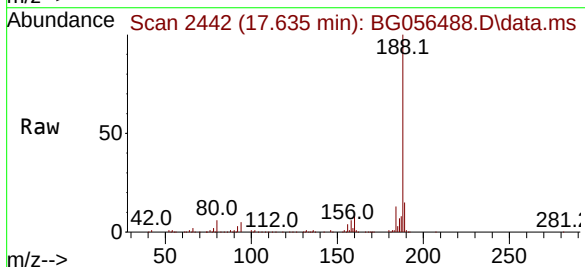
Tgt Ion:188 Resp: 285675

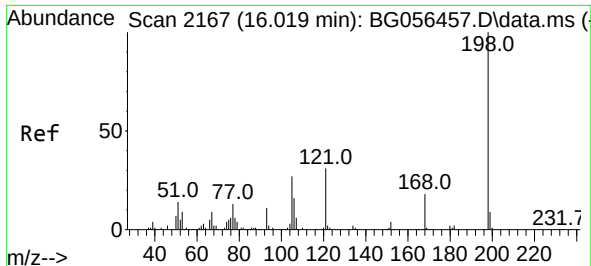
Ion Ratio Lower Upper

188 100

94 5.1 4.1 6.1

80 5.7 5.0 7.4

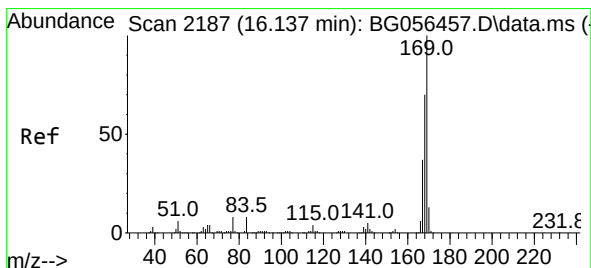
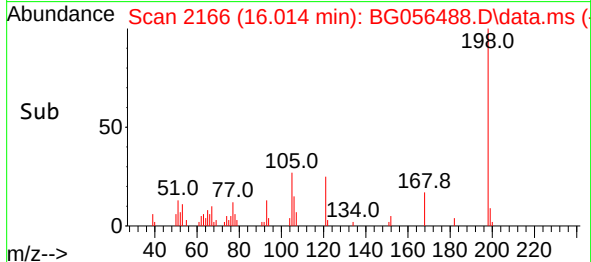
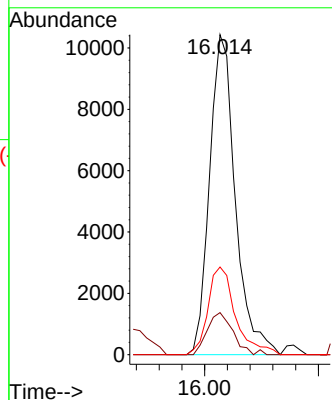
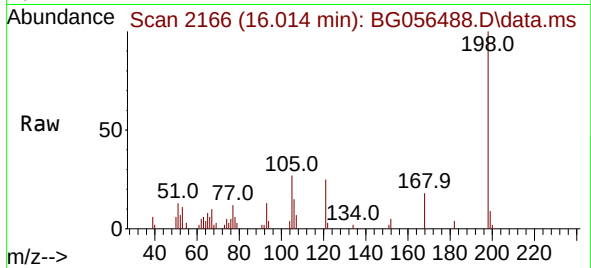




#65
4,6-Dinitro-2-methylphenol
Concen: 8.153 ng
RT: 16.014 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

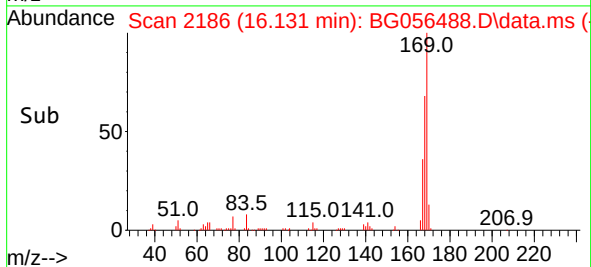
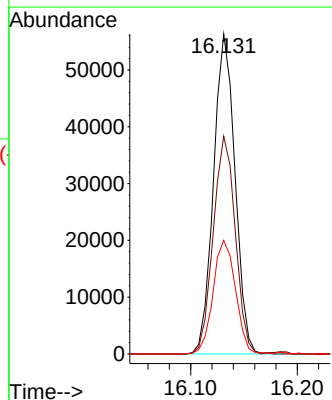
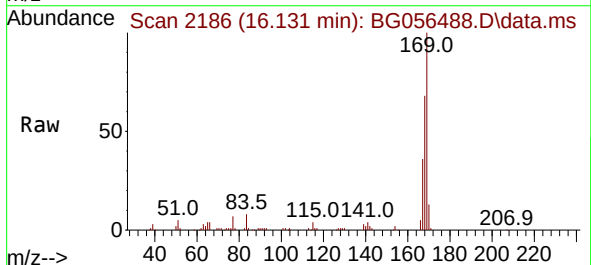
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

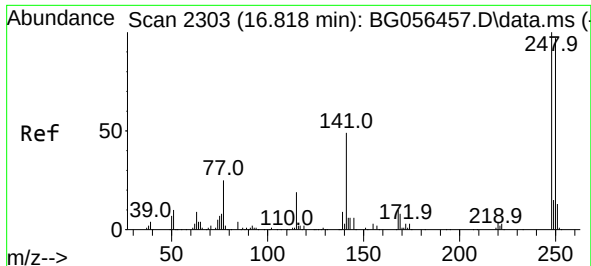
Tgt Ion:198 Resp: 16375
Ion Ratio Lower Upper
198 100
51 13.1 0.0 35.0
105 27.4 7.4 47.4



#66
n-Nitrosodiphenylamine
Concen: 9.734 ng
RT: 16.131 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:169 Resp: 78730
Ion Ratio Lower Upper
169 100
168 68.1 55.8 83.6
167 35.5 29.8 44.8

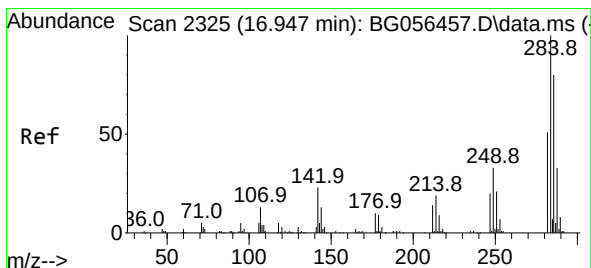
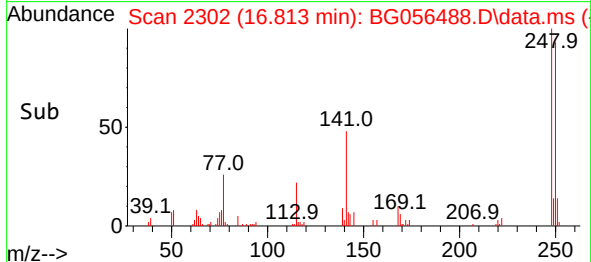
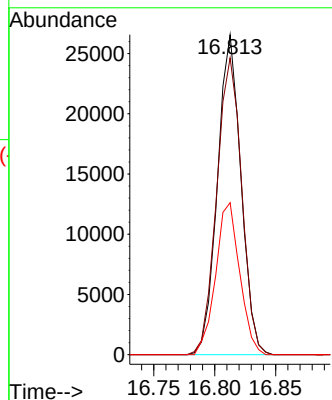
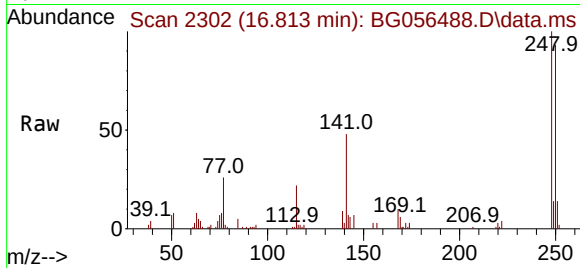




#67
4-Bromophenyl-phenylether
Concen: 9.734 ng
RT: 16.813 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

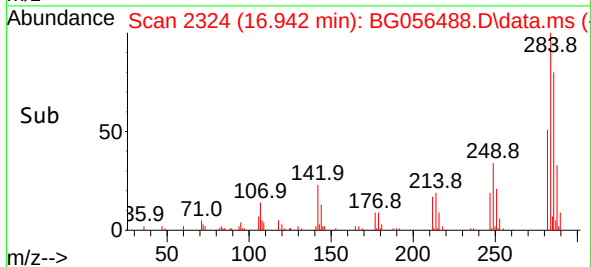
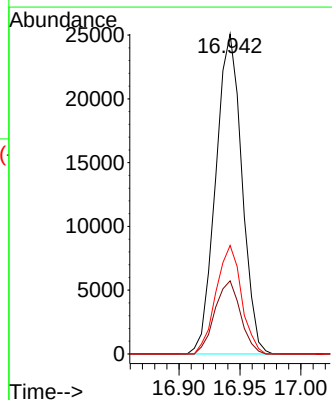
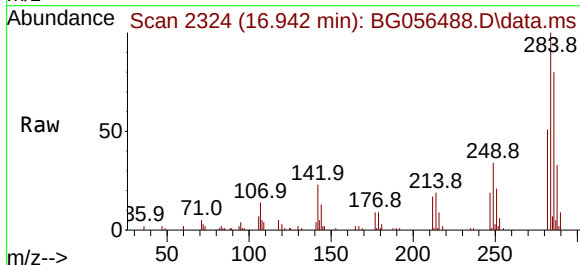
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

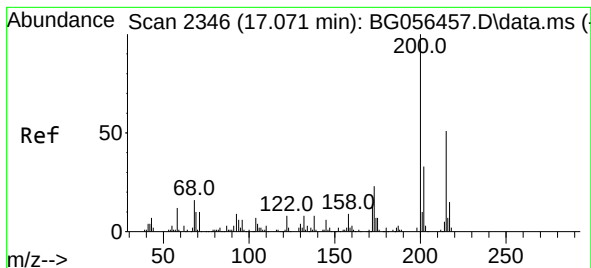
Tgt Ion:248 Resp: 35600
Ion Ratio Lower Upper
248 100
250 92.7 77.6 116.4
141 47.5 39.0 58.4



#68
Hexachlorobenzene
Concen: 10.465 ng
RT: 16.942 min Scan# 2324
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:284 Resp: 37486
Ion Ratio Lower Upper
284 100
142 22.9 18.0 27.0
249 33.9 26.7 40.1





#69

Atrazine

Concen: 11.175 ng

RT: 17.065 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

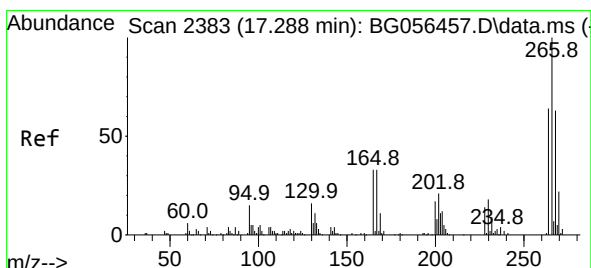
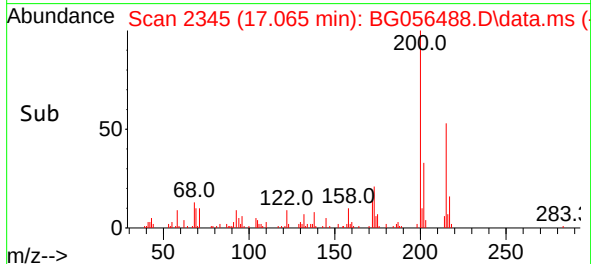
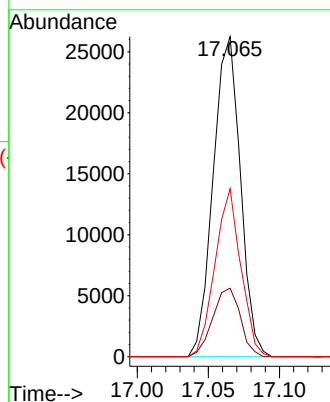
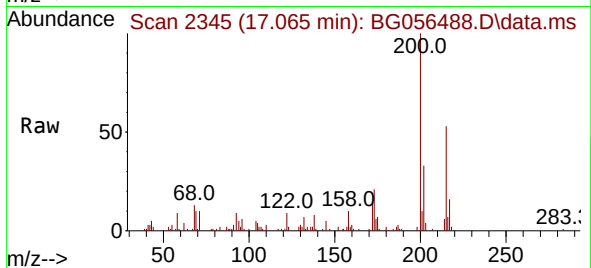
Tgt Ion:200 Resp: 34870

Ion Ratio Lower Upper

200 100

173 21.4 3.2 43.2

215 52.5 30.7 70.7



#70

Pentachlorophenol

Concen: 6.717 ng

RT: 17.288 min Scan# 2383

Delta R.T. 0.006 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

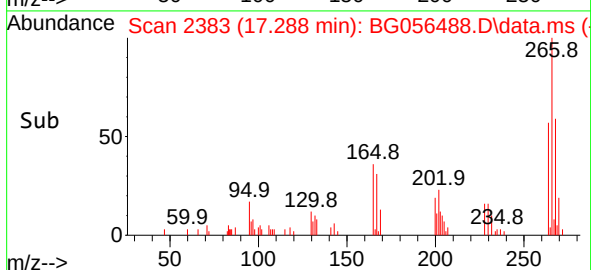
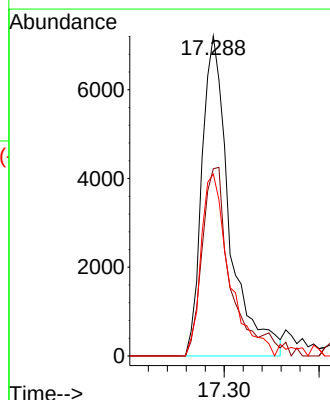
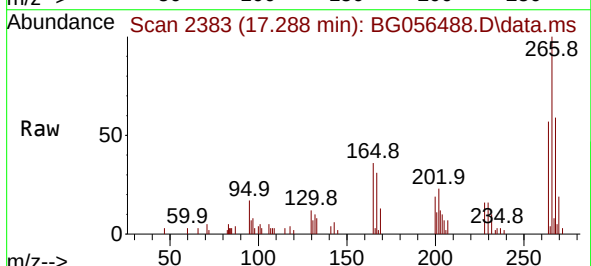
Tgt Ion:266 Resp: 14558

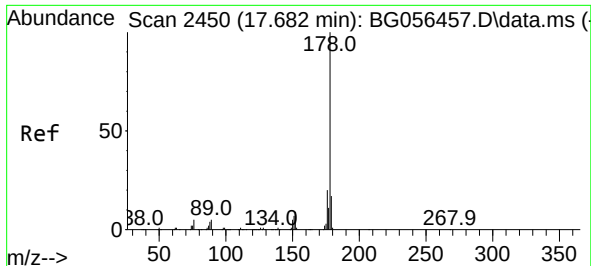
Ion Ratio Lower Upper

266 100

268 63.5 50.2 75.4

264 56.8 51.4 77.0

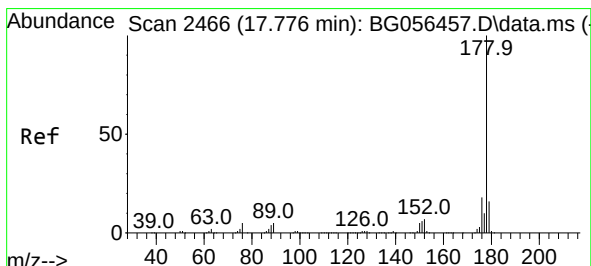
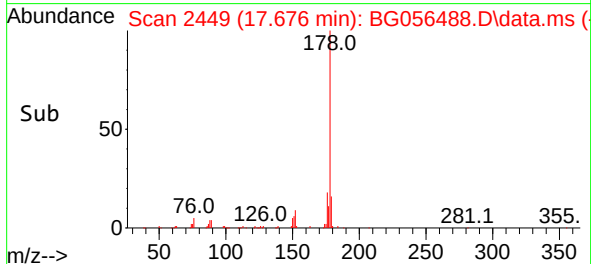
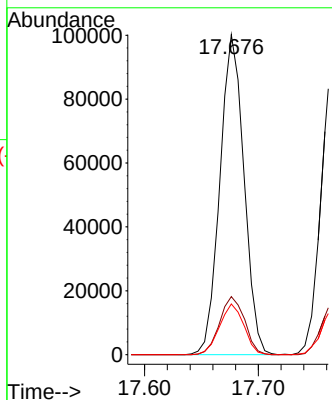
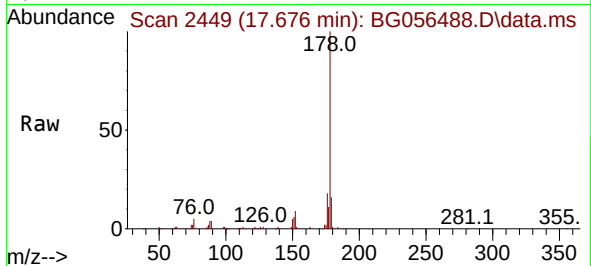




#71
Phenanthrene
Concen: 9.861 ng
RT: 17.676 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

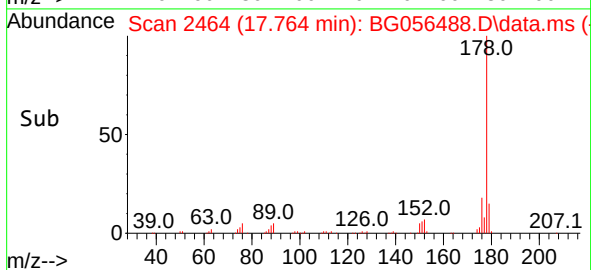
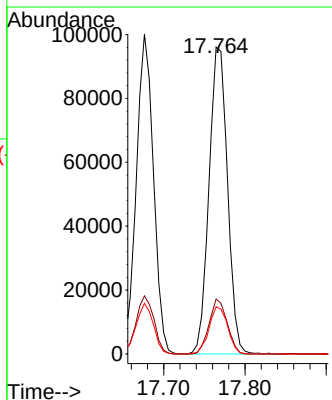
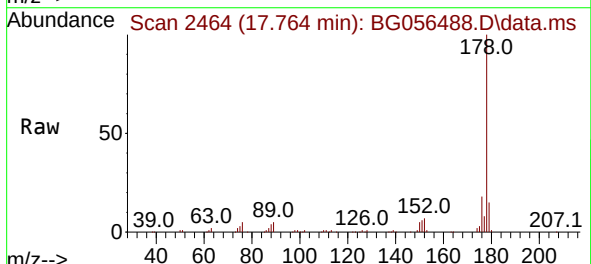
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

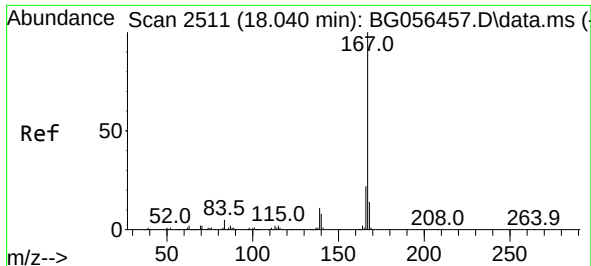
Tgt Ion:178 Resp: 147439
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.8 13.3 19.9



#72
Anthracene
Concen: 9.892 ng
RT: 17.764 min Scan# 2464
Delta R.T. -0.006 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:178 Resp: 151831
Ion Ratio Lower Upper
178 100
176 17.9 14.5 21.7
179 15.4 12.5 18.7

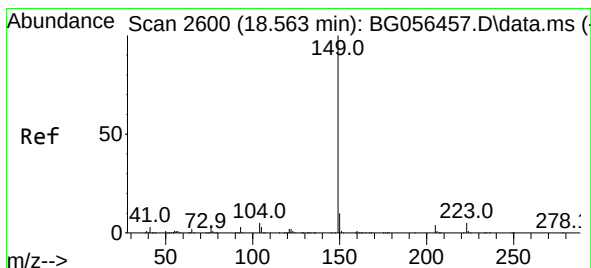
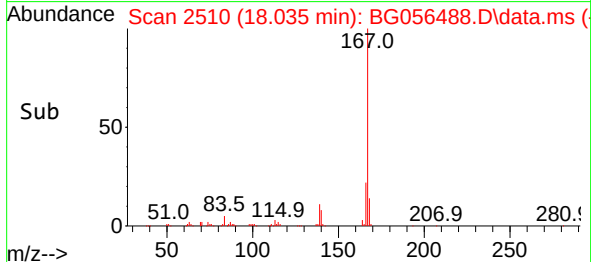
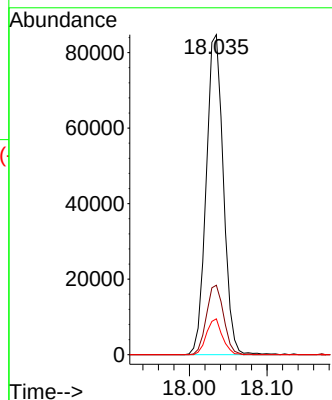
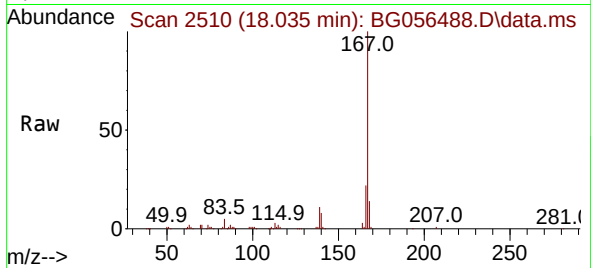




#73
 Carbazole
 Concen: 9.953 ng
 RT: 18.035 min Scan# 2510
 Delta R.T. 0.000 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

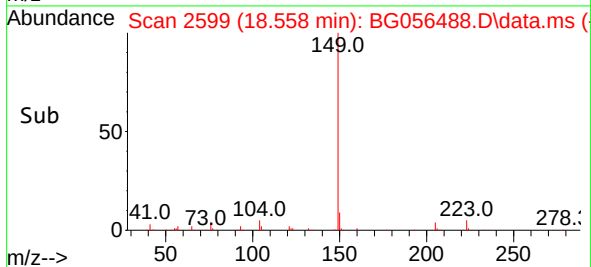
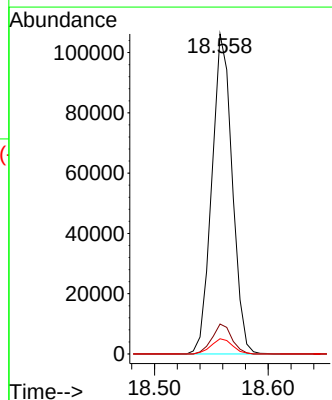
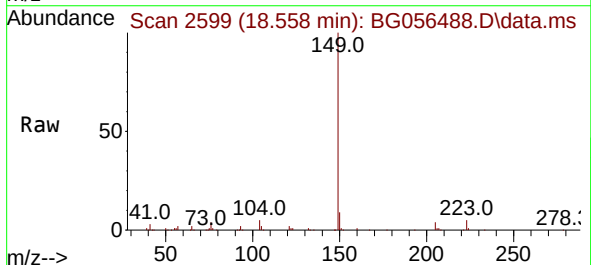
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

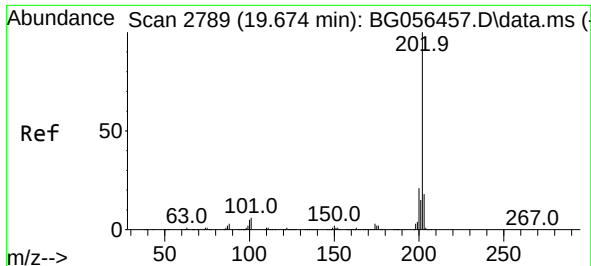
Tgt Ion:167 Resp: 130101
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.6
 139 11.2 8.9 13.3



#74
 Di-n-butylphthalate
 Concen: 9.637 ng
 RT: 18.558 min Scan# 2599
 Delta R.T. -0.006 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

Tgt Ion:149 Resp: 132280
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.8 11.6
 104 4.7 4.0 6.0

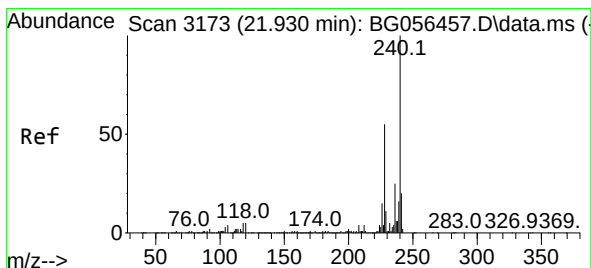
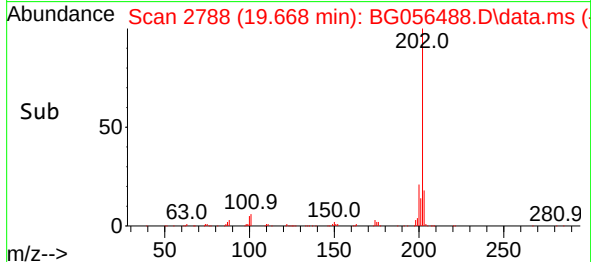
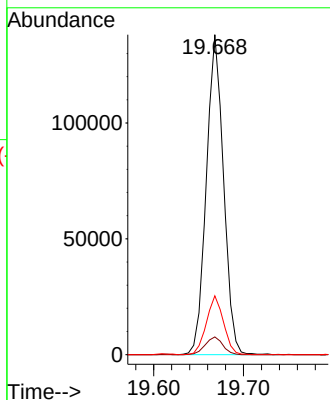
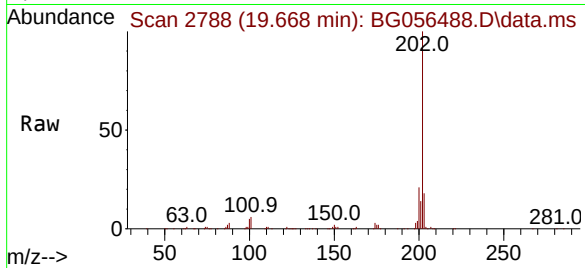




#75
Fluoranthene
Concen: 9.739 ng
RT: 19.668 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

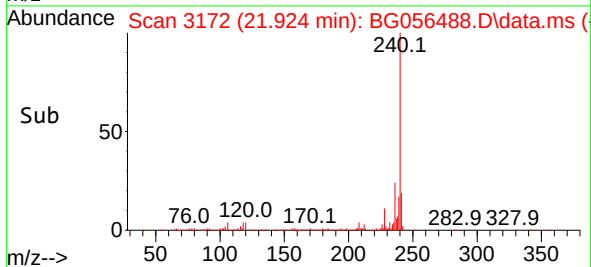
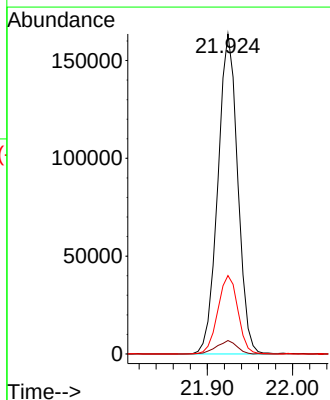
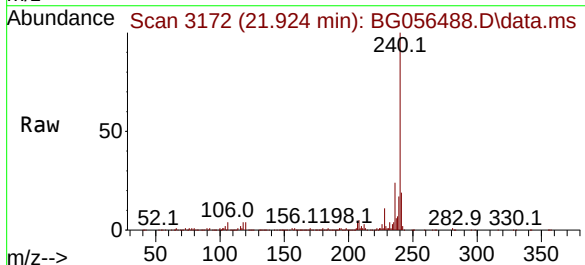
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

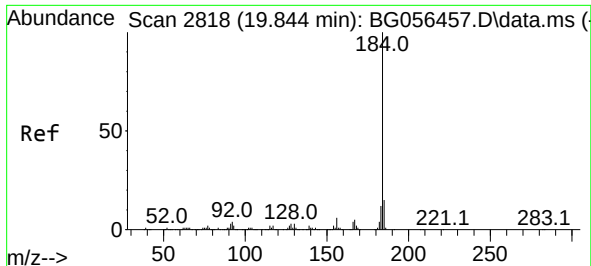
Tgt Ion:202 Resp: 183782
Ion Ratio Lower Upper
202 100
101 5.6 0.0 25.6
203 18.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:240 Resp: 264862
Ion Ratio Lower Upper
240 100
120 4.2 3.8 5.8
236 24.5 20.2 30.2

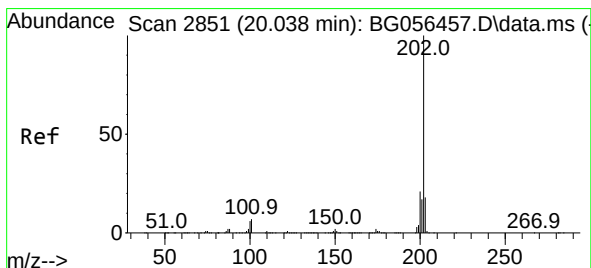
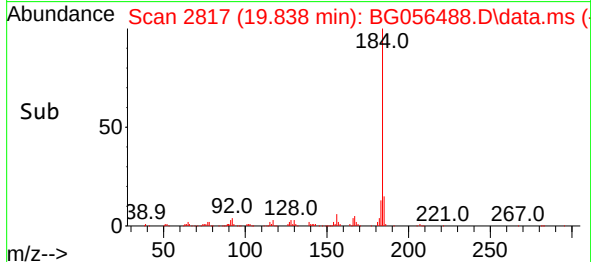
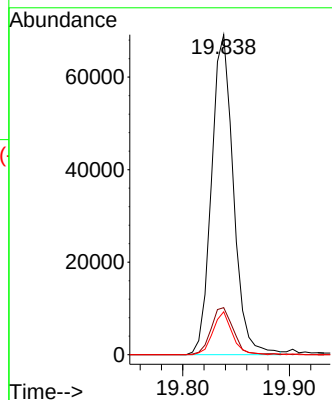
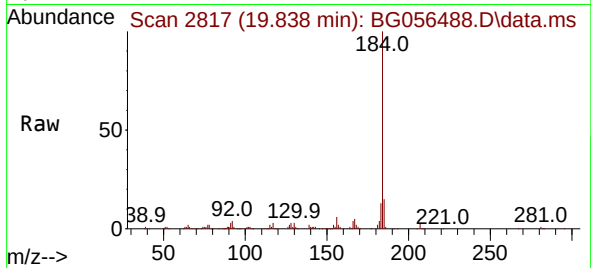




#77
Benzidine
Concen: 13.761 ng
RT: 19.838 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

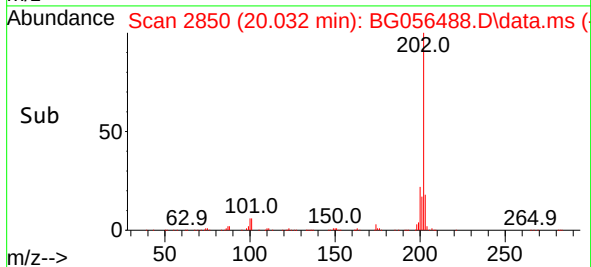
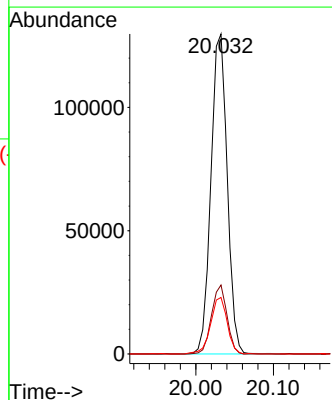
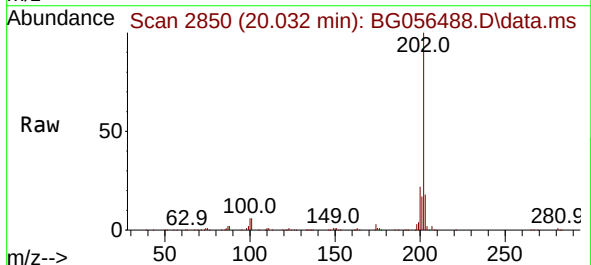
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

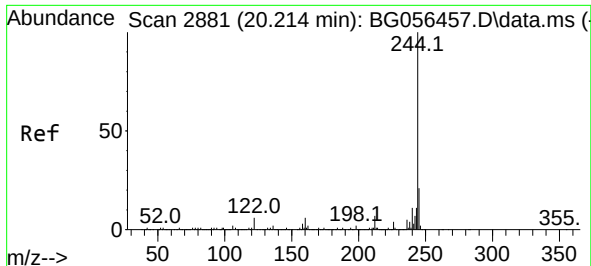
Tgt Ion:184 Resp: 98632
Ion Ratio Lower Upper
184 100
185 14.7 12.3 18.5
183 13.4 9.8 14.8



#78
Pyrene
Concen: 10.053 ng
RT: 20.032 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:202 Resp: 189373
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 17.7 14.4 21.6

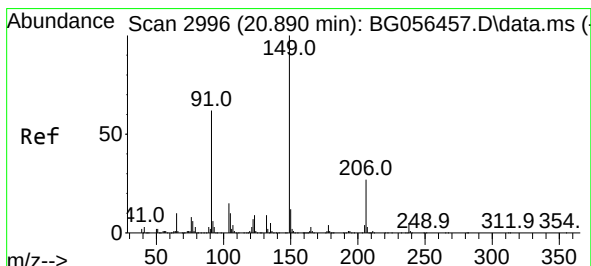
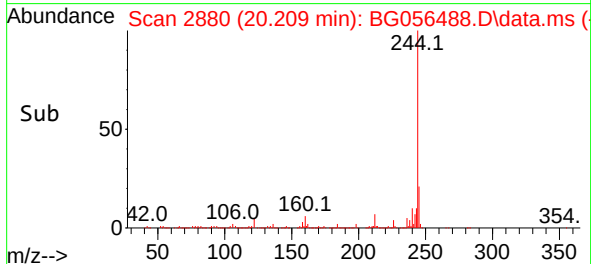
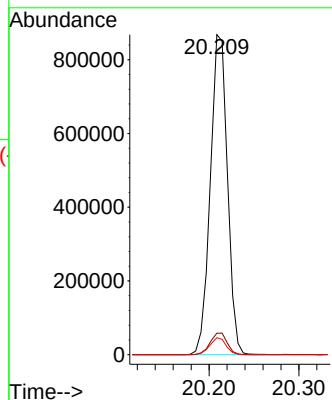
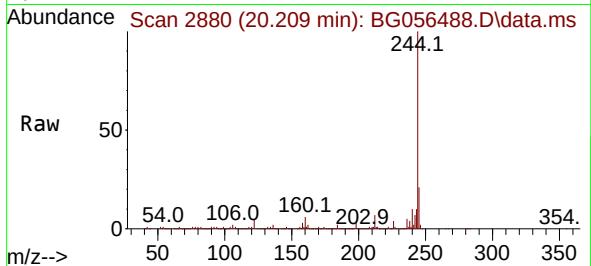




#79
 Terphenyl-d14
 Concen: 76.146 ng
 RT: 20.209 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

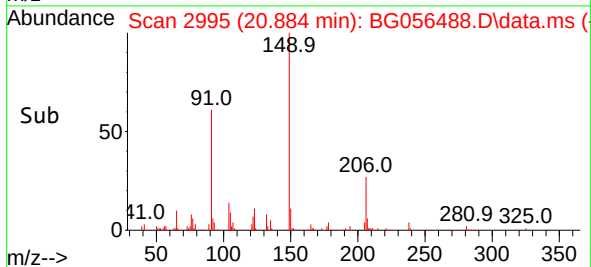
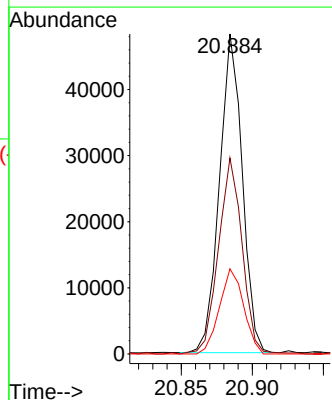
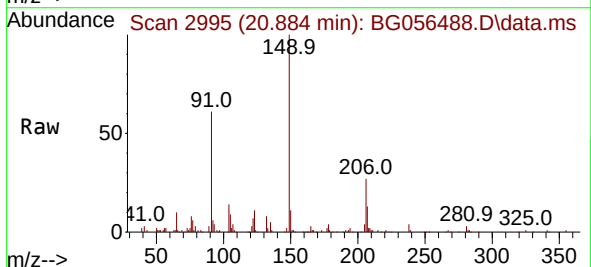
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

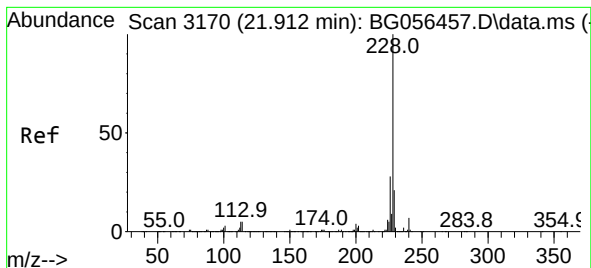
Tgt Ion:244 Resp: 1148289
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 5.3 4.4 6.6



#80
 Butylbenzylphthalate
 Concen: 9.334 ng
 RT: 20.884 min Scan# 2995
 Delta R.T. 0.000 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

Tgt Ion:149 Resp: 53701
 Ion Ratio Lower Upper
 149 100
 91 61.2 49.4 74.0
 206 26.6 22.0 33.0





#81

Benzo(a)anthracene

Concen: 9.933 ng

RT: 21.901 min Scan# 3168

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

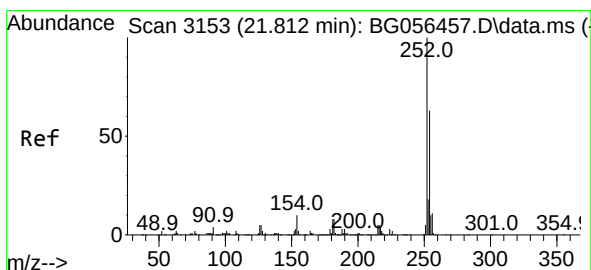
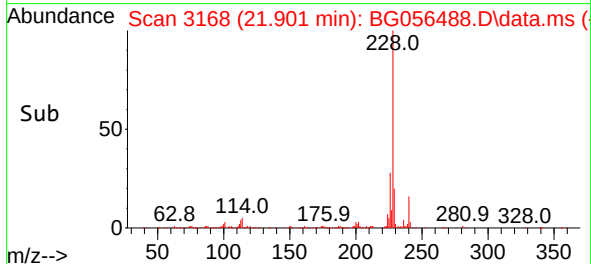
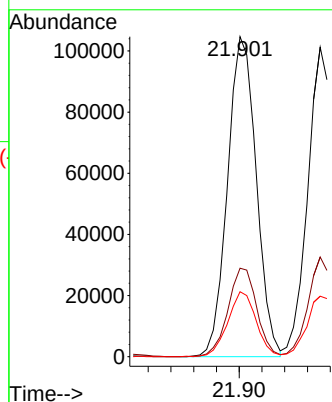
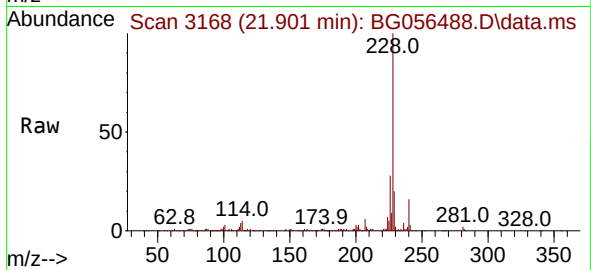
Tgt Ion:228 Resp: 183925

Ion Ratio Lower Upper

228 100

226 27.7 22.4 33.6

229 20.3 16.5 24.7



#82

3,3'-Dichlorobenzidine

Concen: 11.089 ng

RT: 21.807 min Scan# 3152

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

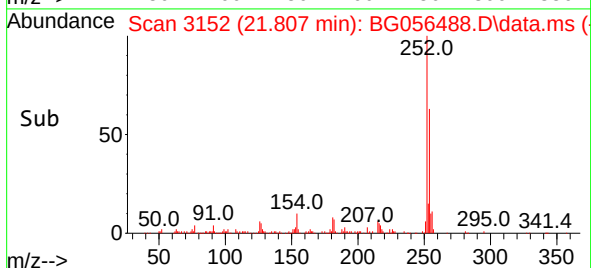
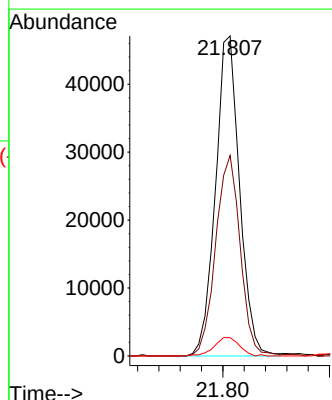
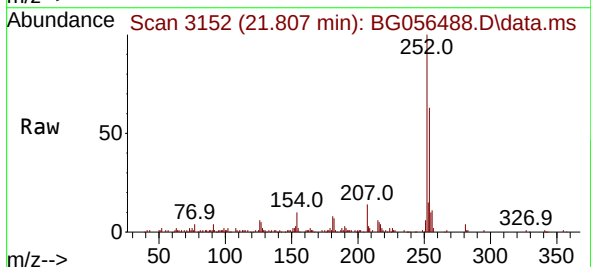
Tgt Ion:252 Resp: 73945

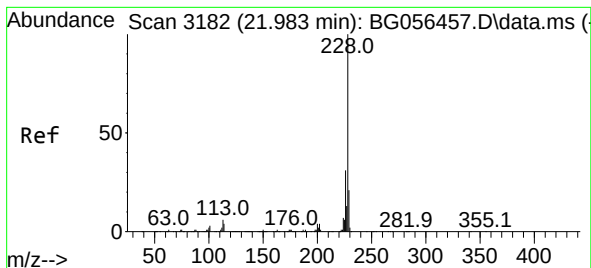
Ion Ratio Lower Upper

252 100

254 62.7 50.0 75.0

126 5.7 4.3 6.5





#83

Chrysene

Concen: 9.561 ng

RT: 21.971 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

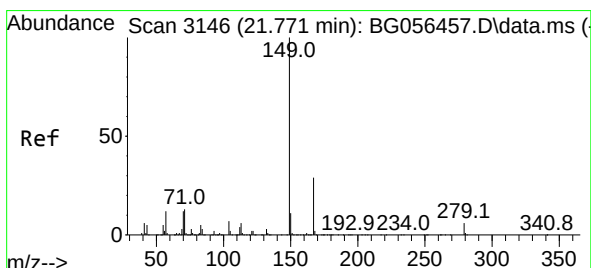
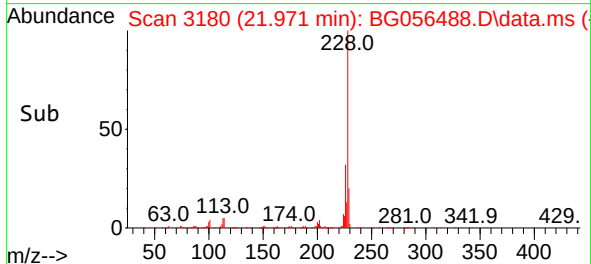
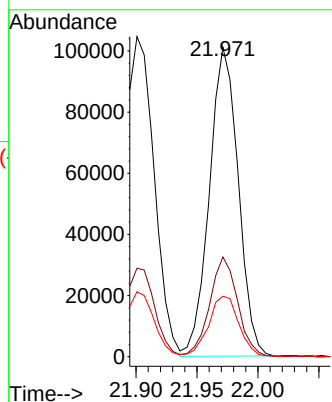
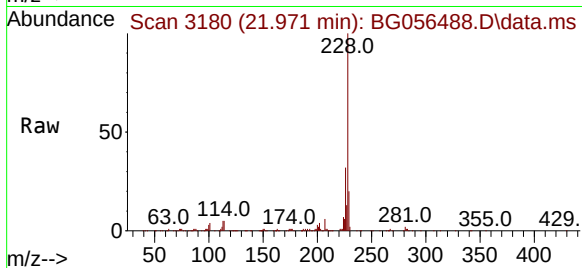
Tgt Ion:228 Resp: 166319

Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.4

229 19.6 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.444 ng

RT: 21.760 min Scan# 3144

Delta R.T. -0.006 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

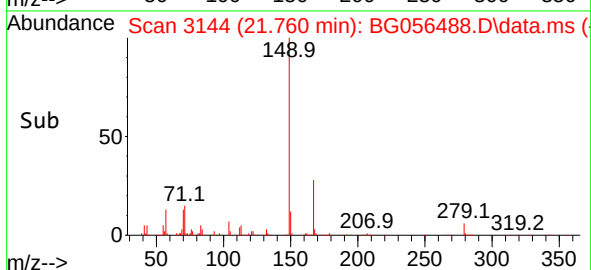
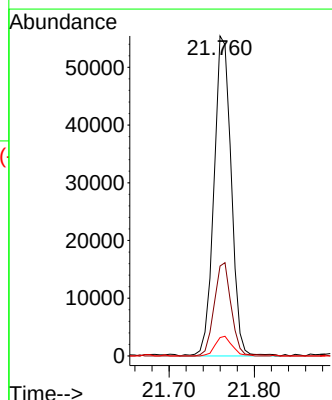
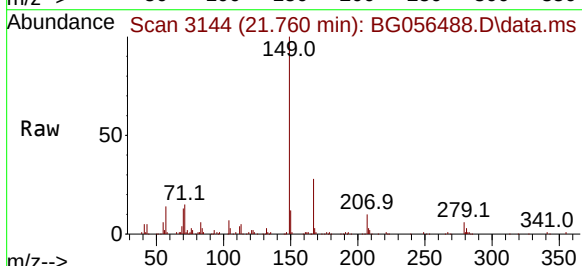
Tgt Ion:149 Resp: 77899

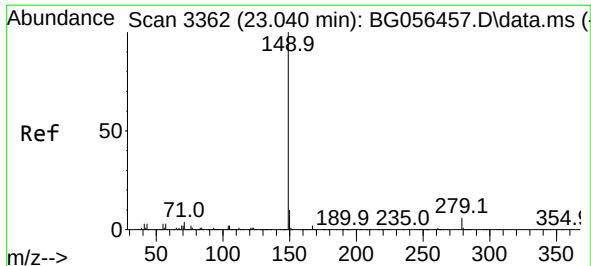
Ion Ratio Lower Upper

149 100

167 28.1 23.4 35.2

279 5.7 4.4 6.6

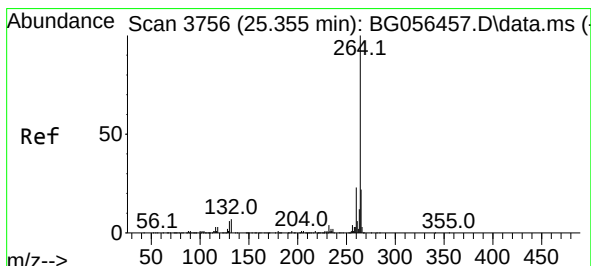
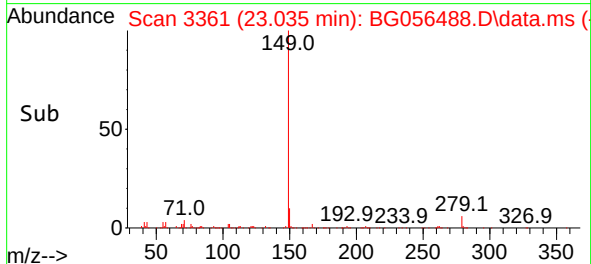
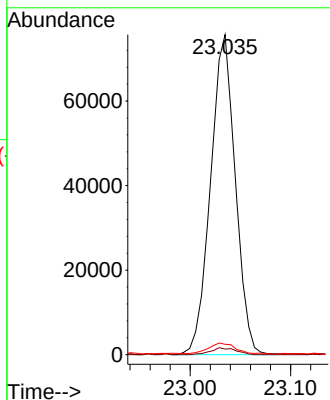
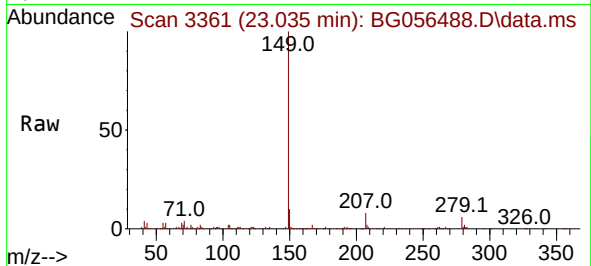




#85
Di-n-octyl phthalate
Concen: 9.458 ng
RT: 23.035 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

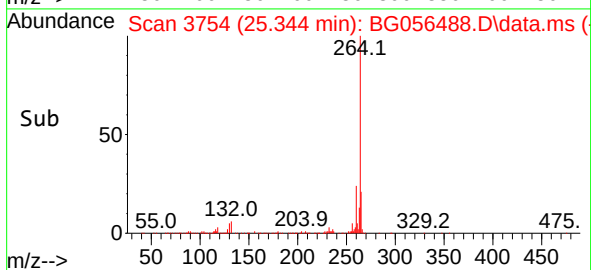
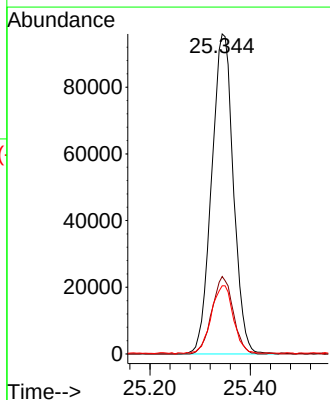
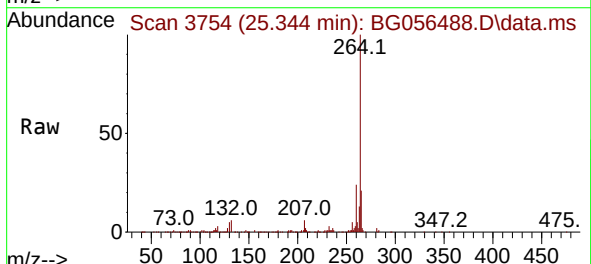
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

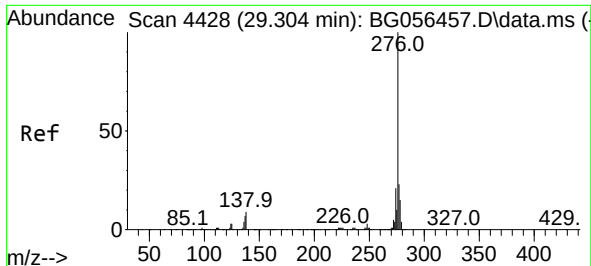
Tgt Ion:149 Resp: 129914
Ion Ratio Lower Upper
149 100
167 2.2 1.4 2.0#
43 3.8 2.7 4.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.344 min Scan# 3754
Delta R.T. 0.000 min
Lab File: BG056488.D
Acq: 31 Jan 2023 16:52

Tgt Ion:264 Resp: 288198
Ion Ratio Lower Upper
264 100
260 24.2 18.2 27.4
265 21.3 18.1 27.1

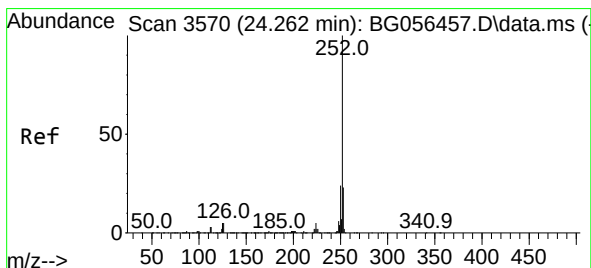
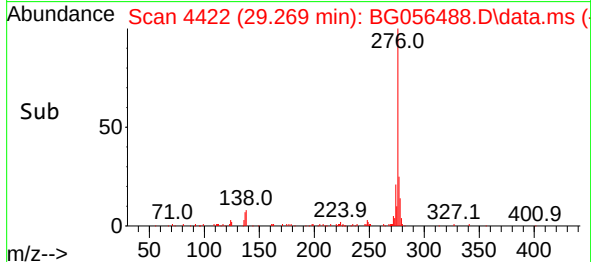
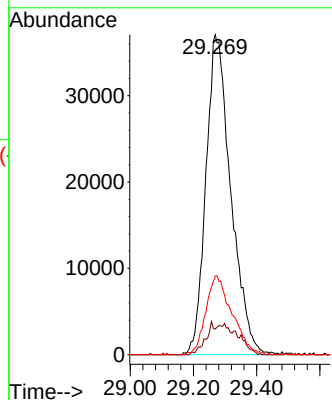
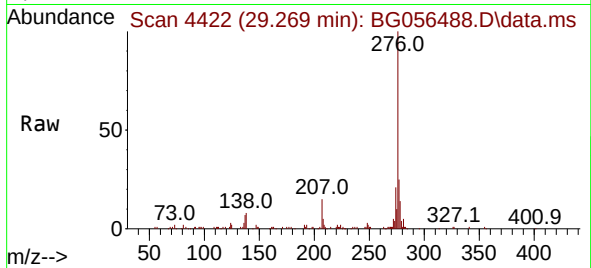




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.624 ng
 RT: 29.269 min Scan# 4422
 Delta R.T. -0.012 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

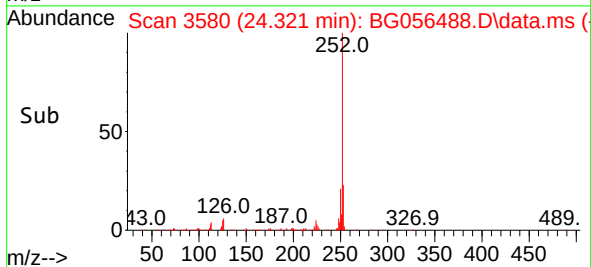
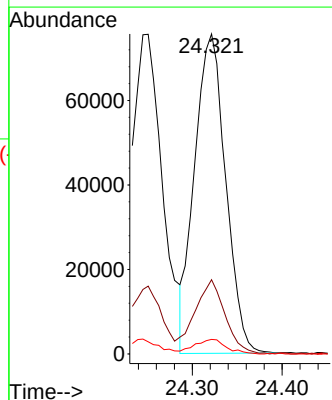
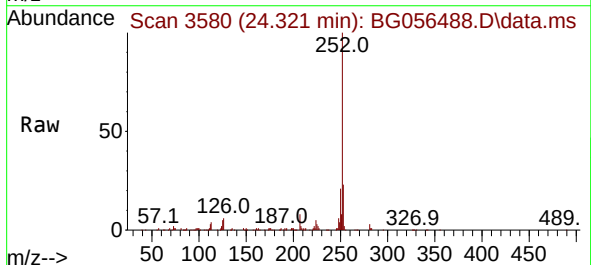
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

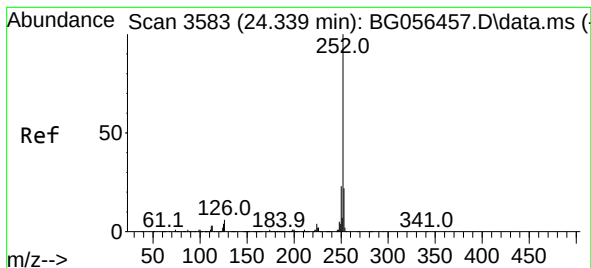
Tgt Ion:276 Resp: 203026
 Ion Ratio Lower Upper
 276 100
 138 3.9 9.4 14.2#
 277 25.8 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 10.141 ng
 RT: 24.321 min Scan# 3580
 Delta R.T. 0.071 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

Tgt Ion:252 Resp: 181399
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.1 27.1
 125 4.5 3.9 5.9





#89

Benzo(k)fluoranthene

Concen: 10.044 ng

RT: 24.321 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

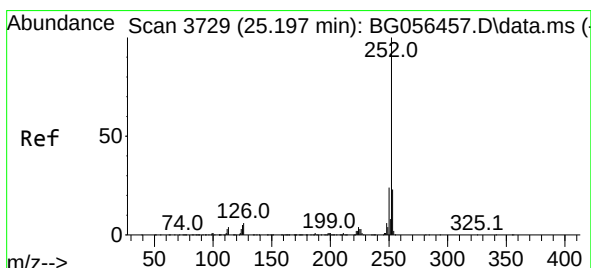
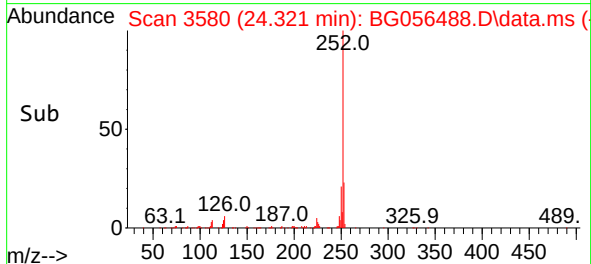
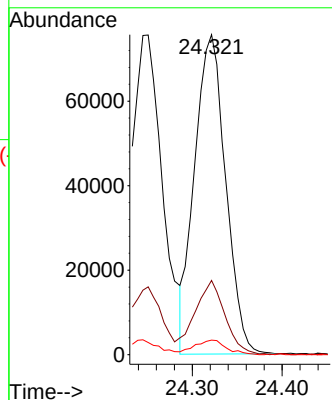
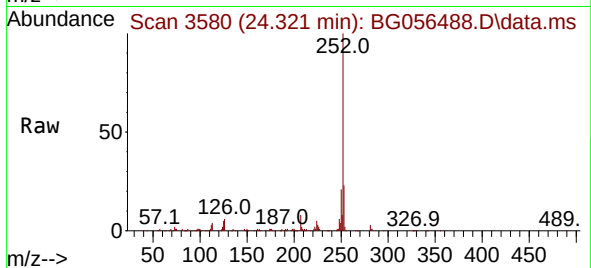
Tgt Ion:252 Resp: 181395

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 4.5 3.4 5.0



#90

Benzo(a)pyrene

Concen: 9.295 ng

RT: 25.179 min Scan# 3726

Delta R.T. -0.006 min

Lab File: BG056488.D

Acq: 31 Jan 2023 16:52

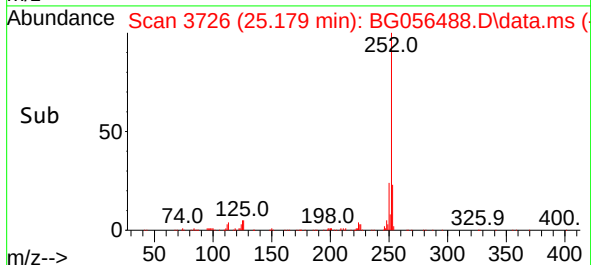
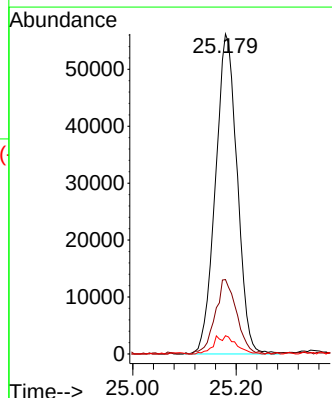
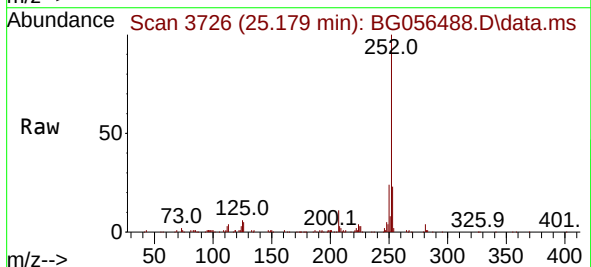
Tgt Ion:252 Resp: 163779

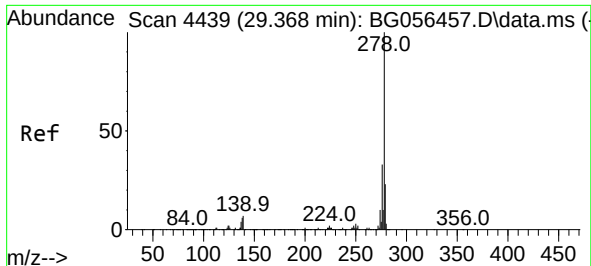
Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

125 5.7 4.1 6.1

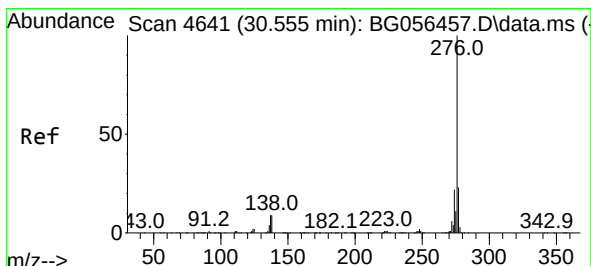
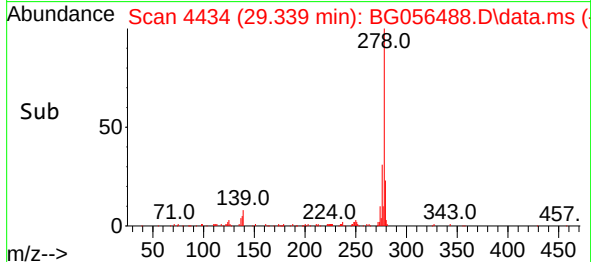
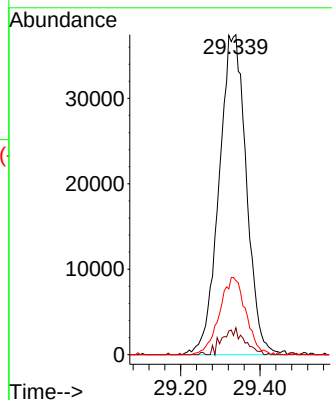
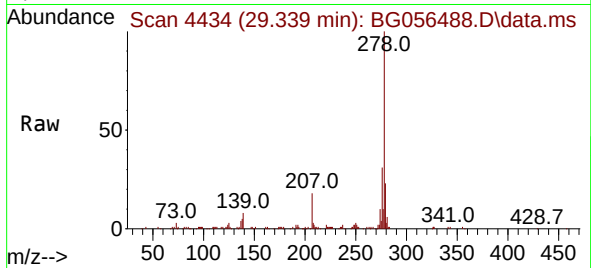




#91
 Dibenzo(a,h)anthracene
 Concen: 10.102 ng
 RT: 29.339 min Scan# 4439
 Delta R.T. -0.006 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:278 Resp: 178894
 Ion Ratio Lower Upper
 278 100
 139 8.4 5.5 8.3#
 279 23.1 18.8 28.2



#92
 Benzo(g,h,i)perylene
 Concen: 10.101 ng
 RT: 30.520 min Scan# 4635
 Delta R.T. -0.006 min
 Lab File: BG056488.D
 Acq: 31 Jan 2023 16:52

Tgt Ion:276 Resp: 172585
 Ion Ratio Lower Upper
 276 100
 277 22.0 18.5 27.7
 138 10.8 7.4 11.0

