

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110424\
 Data File : BG063153.D
 Acq On : 4 Nov 2024 12:43
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Nov 04 12:23:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG103124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 01 05:13:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.841	152	110241	20.000	ng	0.00
21) Naphthalene-d8	10.631	136	449976	20.000	ng	# 0.00
39) Acenaphthene-d10	14.474	164	339556	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	847739	20.000	ng	0.00
76) Chrysene-d12	21.477	240	961496	20.000	ng	0.00
86) Perylene-d12	24.509	264	1062308	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.432	112	733824	103.218	ng	0.00
7) Phenol-d6	7.018	99	1064689	114.281	ng	0.00
23) Nitrobenzene-d5	8.998	82	829561	80.182	ng	0.00
42) 2,4,6-Tribromophenol	15.972	330	636066	110.278	ng	0.00
45) 2-Fluorobiphenyl	13.099	172	1836716	80.116	ng	0.00
79) Terphenyl-d14	19.856	244	3619613	77.469	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.352	88	29938	10.717	ng	97
3) Pyridine	3.751	79	69211	10.264	ng	95
4) n-Nitrosodimethylamine	3.663	42	46570	11.118	ng	91
6) Aniline	7.171	93	117172	13.985	ng	# 92
8) 2-Chlorophenol	7.412	128	77989	11.812	ng	86
9) Benzaldehyde	6.983	77	84467	14.591	ng	91
10) Phenol	7.041	94	112320	11.254	ng	97
11) bis(2-Chloroethyl)ether	7.265	93	76727	11.398	ng	90
12) 1,3-Dichlorobenzene	7.735	146	85969	10.732	ng	93
13) 1,4-Dichlorobenzene	7.876	146	87989	10.775	ng	93
14) 1,2-Dichlorobenzene	8.193	146	85959	10.920	ng	96
15) Benzyl Alcohol	8.081	79	83516	11.156	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.358	45	150185	12.300	ng	98
17) 2-Methylphenol	8.281	107	66781	10.518	ng	96
18) Hexachloroethane	8.916	117	31873	10.907	ng	86
19) n-Nitroso-di-n-propyla...	8.640	70	72883	11.233	ng	98
20) 3+4-Methylphenols	8.610	107	94297	11.136	ng	89
22) Acetophenone	8.657	105	137031	11.365	ng	# 95
24) Nitrobenzene	9.039	77	110644	9.890	ng	96
25) Isophorone	9.556	82	200030	11.177	ng	97
26) 2-Nitrophenol	9.744	139	42554	10.343	ng	# 84
27) 2,4-Dimethylphenol	9.809	122	42163	8.336	ng	94
28) bis(2-Chloroethoxy)met...	10.044	93	106664	11.367	ng	# 98
29) 2,4-Dichlorophenol	10.285	162	81925	10.724	ng	94
30) 1,2,4-Trichlorobenzene	10.496	180	97737	10.401	ng	85
31) Naphthalene	10.678	128	260675	10.982	ng	# 97
32) Benzoic acid	9.926	122	19004	4.311	ng	# 66
33) 4-Chloroaniline	10.790	127	93331	11.651	ng	94
34) Hexachlorobutadiene	10.972	225	79050	10.222	ng	89
35) Caprolactam	11.536	113	26681	10.936	ng	94
36) 4-Chloro-3-methylphenol	11.918	107	94653	10.754	ng	97
37) 2-Methylnaphthalene	12.294	142	177611	10.548	ng	97
38) 1-Methylnaphthalene	12.512	142	169682	10.238	ng	96
40) 1,2,4,5-Tetrachloroben...	12.664	216	131512	10.778	ng	99
41) Hexachlorocyclopentadiene	12.647	237	33247	8.386	ng	97
43) 2,4,6-Trichlorophenol	12.905	196	74532	10.203	ng	88

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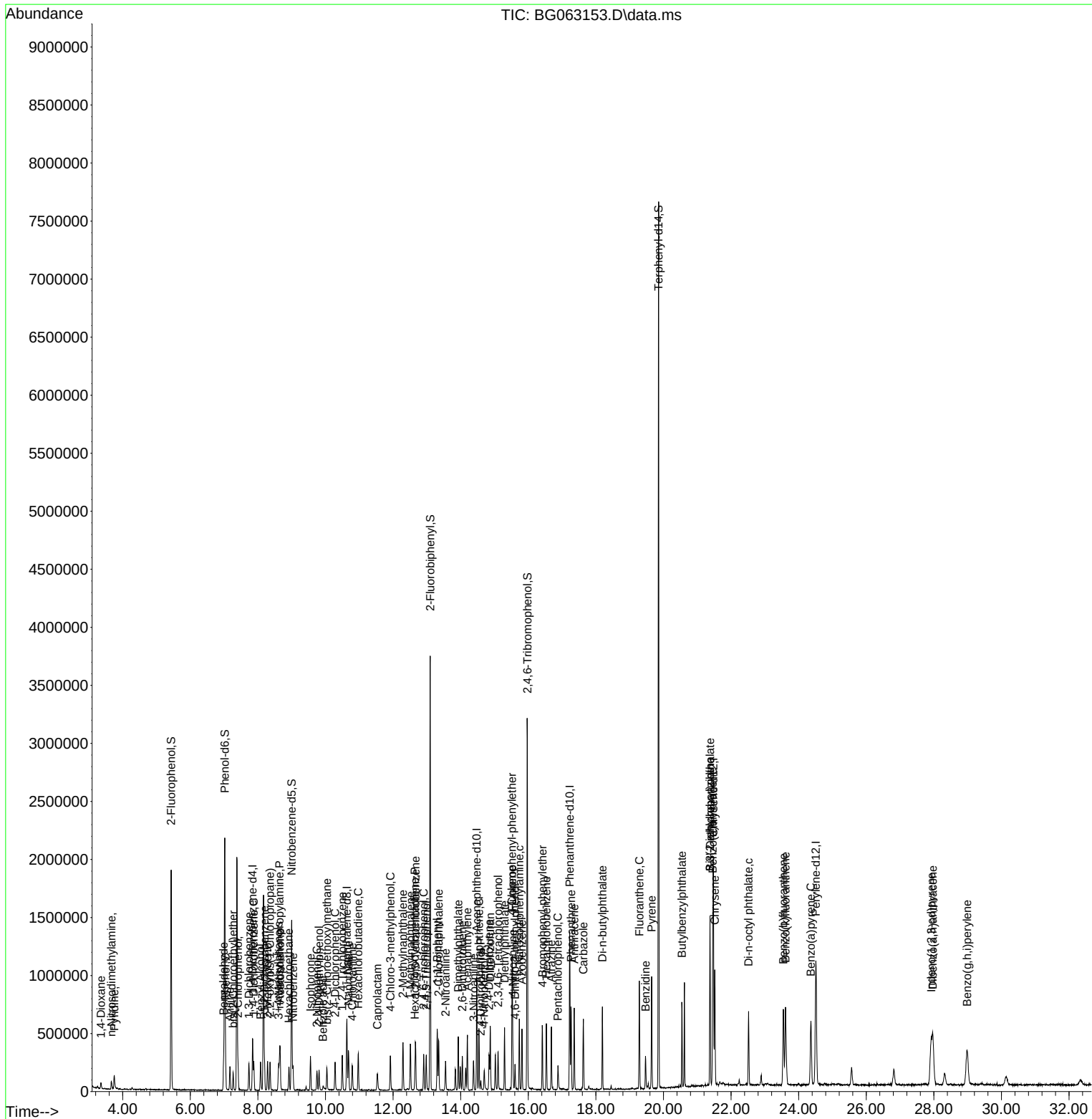
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG103124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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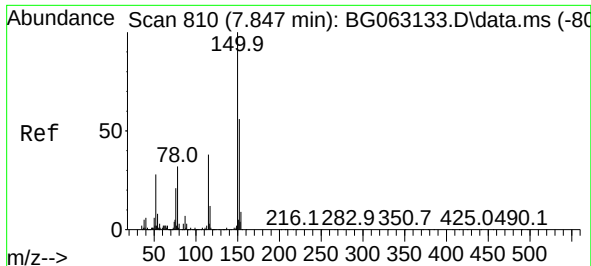
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.982	196	85913	10.696	ng	92
46) 1,1'-Biphenyl	13.305	154	260826	11.317	ng	100
47) 2-Chloronaphthalene	13.352	162	207140	10.732	ng	95
48) 2-Nitroaniline	13.552	65	70577	10.418	ng	# 80
49) Acenaphthylene	14.198	152	322705	11.843	ng	95
50) Dimethylphthalate	13.928	163	266835	11.026	ng	98
51) 2,6-Dinitrotoluene	14.045	165	50972	9.865	ng	95
52) Acenaphthene	14.539	154	181174	10.740	ng	99
53) 3-Nitroaniline	14.386	138	54281	11.065	ng	# 85
54) 2,4-Dinitrophenol	14.591	184	20607	6.539	ng	# 78
55) Dibenzofuran	14.873	168	336979	11.329	ng	97
56) 4-Nitrophenol	14.691	139	36399	9.800	ng	96
57) 2,4-Dinitrotoluene	14.838	165	78926	10.680	ng	# 93
58) Fluorene	15.526	166	254481	10.796	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.108	232	75322	9.772	ng	97
60) Diethylphthalate	15.297	149	275480	11.086	ng	98
61) 4-Chlorophenyl-phenyle...	15.520	204	163629	11.169	ng	96
62) 4-Nitroaniline	15.543	138	60670	11.209	ng	87
63) Azobenzene	15.814	77	298534	11.615	ng	99
65) 4,6-Dinitro-2-methylph...	15.608	198	50875	9.334	ng	90
66) n-Nitrosodiphenylamine	15.737	169	237041	11.208	ng	98
67) 4-Bromophenyl-phenylether	16.419	248	113526	10.927	ng	# 92
68) Hexachlorobenzene	16.536	284	123404	10.253	ng	93
69) Atrazine	16.683	200	107530	11.060	ng	97
70) Pentachlorophenol	16.877	266	47036	7.855	ng	98
71) Phenanthrene	17.265	178	458486	11.156	ng	98
72) Anthracene	17.359	178	441700	10.950	ng	99
73) Carbazole	17.629	167	403458	10.625	ng	98
74) Di-n-butylphthalate	18.193	149	454970	10.553	ng	99
75) Fluoranthene	19.286	202	599880	10.312	ng	98
77) Benzidine	19.468	184	170548	11.512	ng	# 94
78) Pyrene	19.650	202	634512	11.132	ng	98
80) Butylbenzylphthalate	20.543	149	202275	11.015	ng	93
81) Benzo(a)anthracene	21.460	228	686321	11.335	ng	93
82) 3,3'-Dichlorobenzidine	21.378	252	250019	11.137	ng	94
83) Chrysene	21.519	228	642839	11.302	ng	97
84) Bis(2-ethylhexyl)phtha...	21.378	149	287901	10.807	ng	97
85) Di-n-octyl phthalate	22.517	149	481285	10.798	ng	99
87) Indeno(1,2,3-cd)pyrene	27.923	276	809305	11.351	ng	# 95
88) Benzo(b)fluoranthene	23.546	252	659107	10.642	ng	100
89) Benzo(k)fluoranthene	23.610	252	695886	11.777	ng	98
90) Benzo(a)pyrene	24.362	252	624239	11.547	ng	97
91) Dibenzo(a,h)anthracene	27.970	278	655588	11.016	ng	# 95
92) Benzo(g,h,i)perylene	28.986	276	620367	10.546	ng	# 96

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

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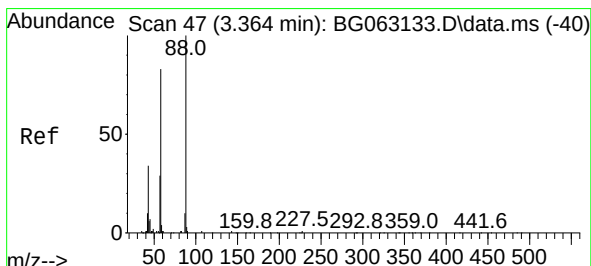
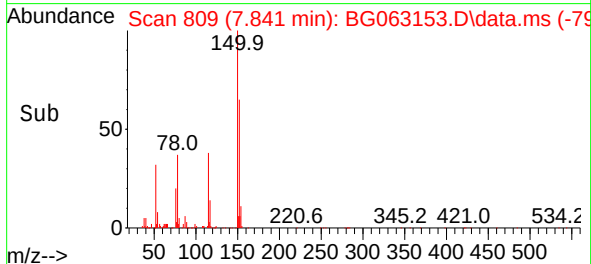
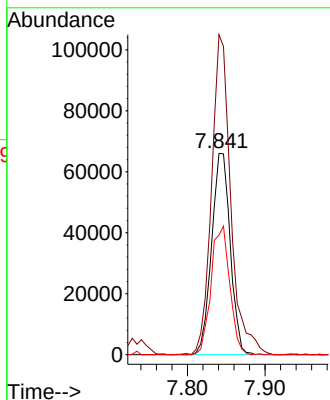
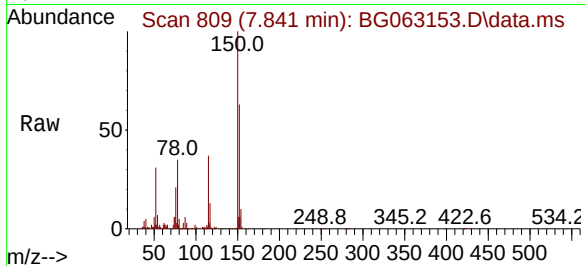




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.841 min Scan# 80
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

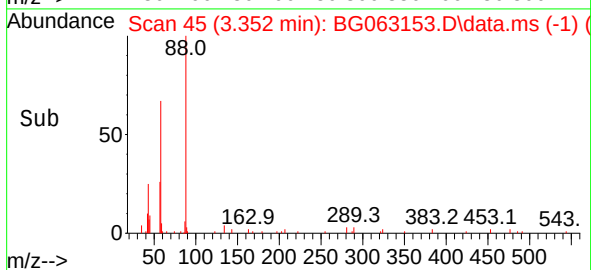
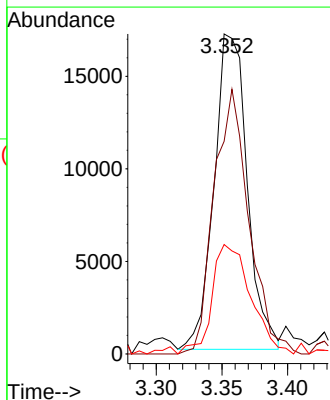
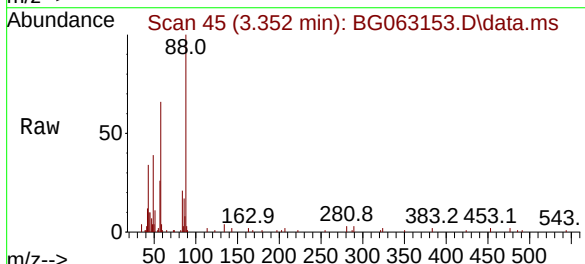
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

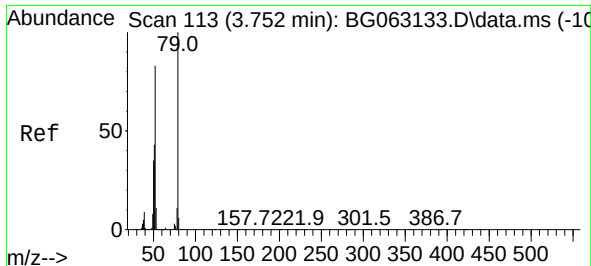
Tgt Ion:152 Resp: 110241
Ion Ratio Lower Upper
152 100
150 158.9 143.1 214.7
115 59.3 55.0 82.4



#2
1,4-Dioxane
Concen: 10.717 ng
RT: 3.352 min Scan# 45
Delta R.T. -0.012 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion: 88 Resp: 29938
Ion Ratio Lower Upper
88 100
58 88.9 73.8 110.6
43 40.5 32.0 48.0





#3

Pyridine

Concen: 10.264 ng

RT: 3.751 min Scan# 113

Delta R.T. -0.000 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

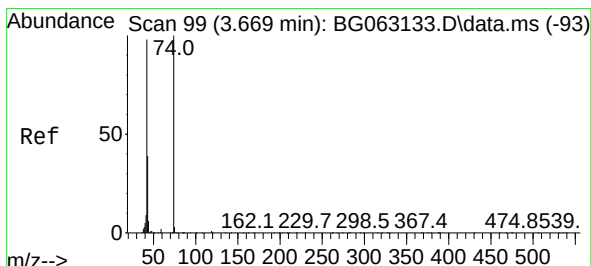
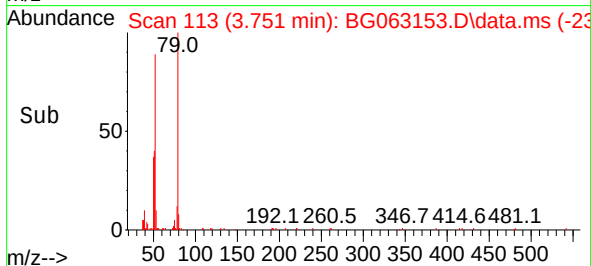
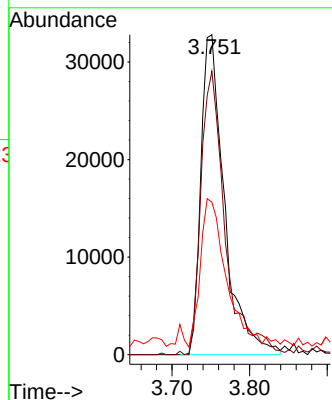
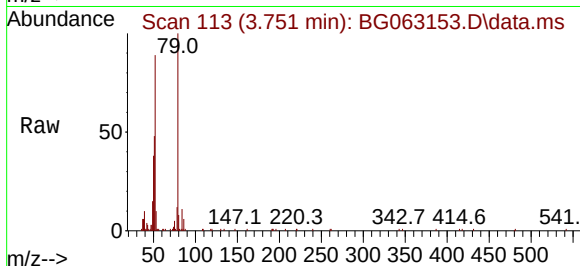
Tgt Ion: 79 Resp: 69211

Ion Ratio Lower Upper

79 100

52 88.6 66.1 99.1

51 47.7 36.6 54.8



#4

n-Nitrosodimethylamine

Concen: 11.118 ng

RT: 3.663 min Scan# 98

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

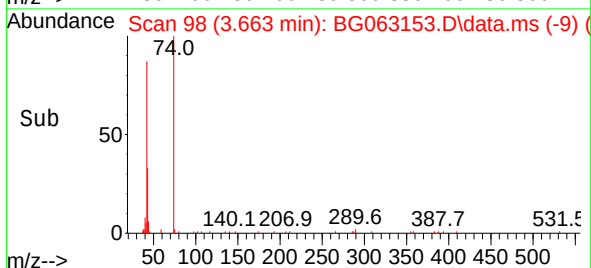
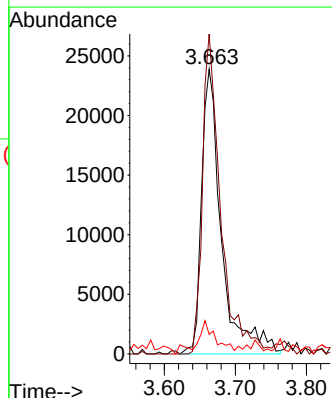
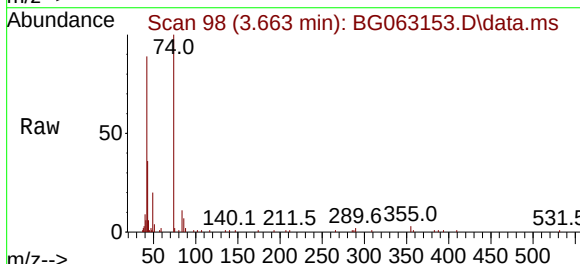
Tgt Ion: 42 Resp: 46570

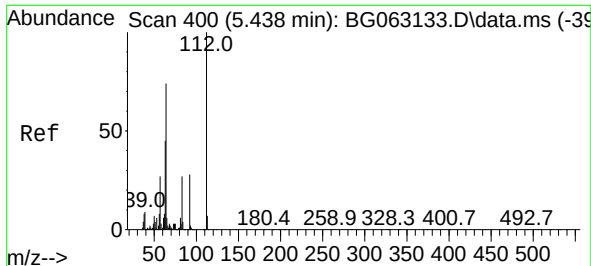
Ion Ratio Lower Upper

42 100

74 112.4 81.9 122.9

44 6.9 5.8 8.8

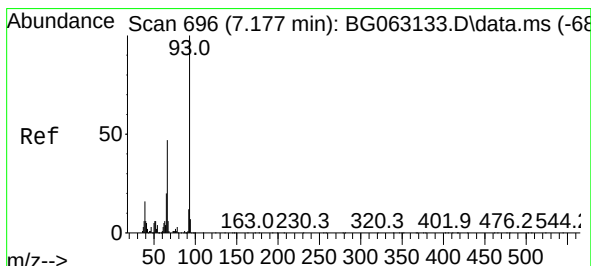
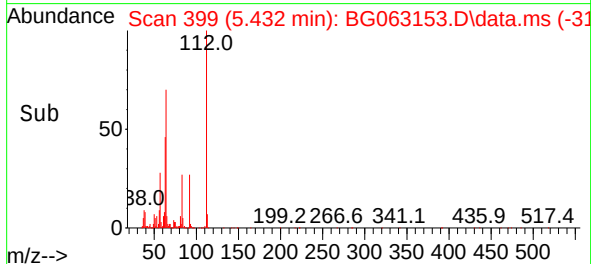
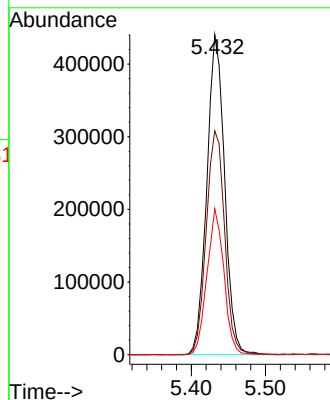
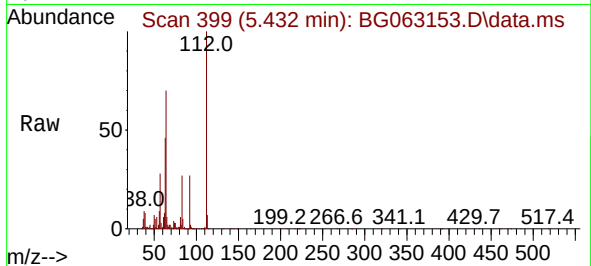




#5
2-Fluorophenol
Concen: 103.218 ng
RT: 5.432 min Scan# 399
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

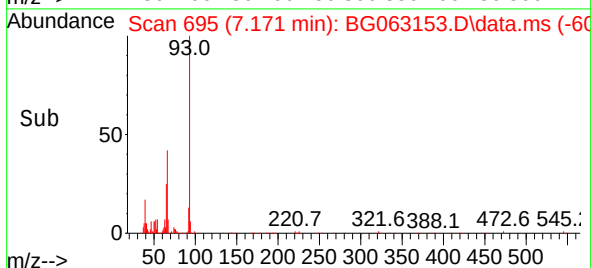
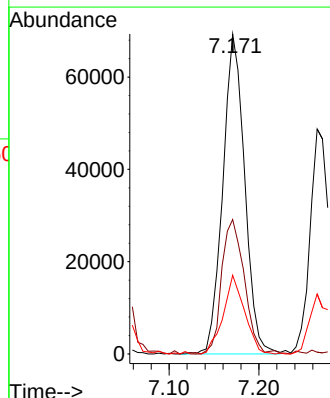
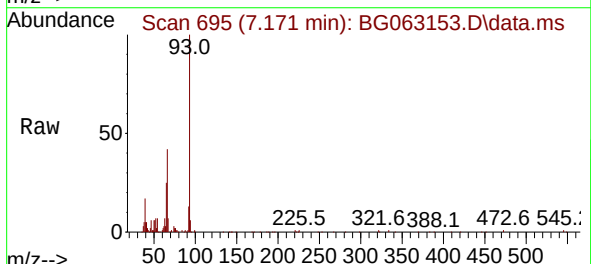
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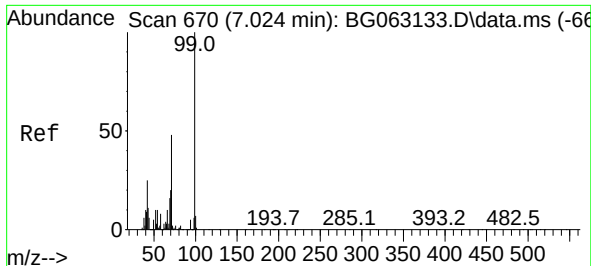
Tgt Ion:112 Resp: 733824
Ion Ratio Lower Upper
112 100
64 69.9 59.4 89.0
63 45.6 35.8 53.6



#6
Aniline
Concen: 13.985 ng
RT: 7.171 min Scan# 695
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion: 93 Resp: 117172
Ion Ratio Lower Upper
93 100
66 42.0 37.8 56.8
65 24.6 16.1 24.1#

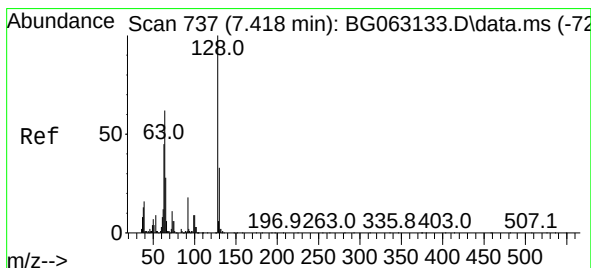
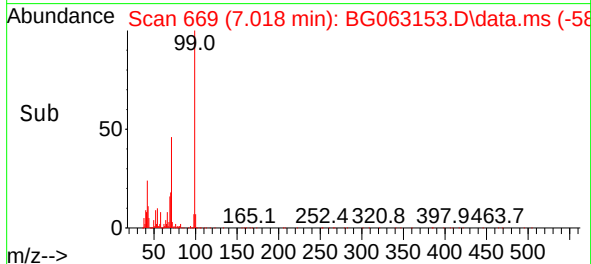
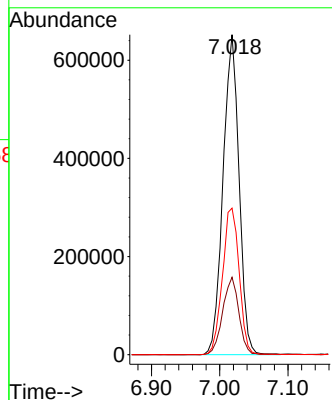
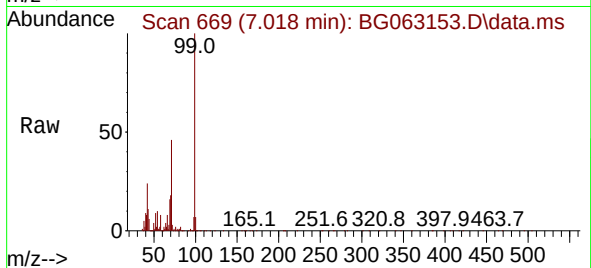




#7
Phenol-d6
Concen: 114.281 ng
RT: 7.018 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

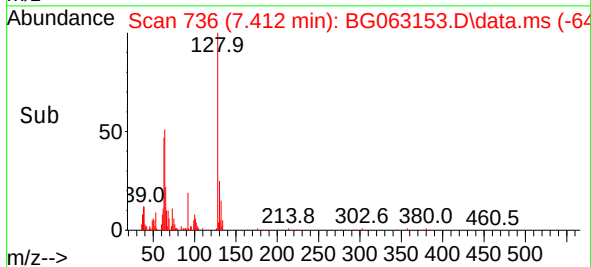
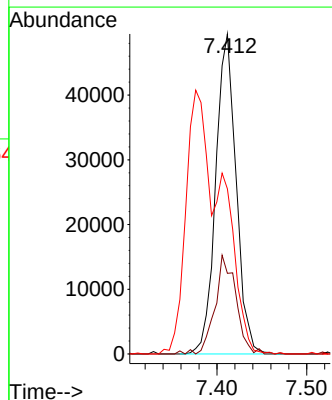
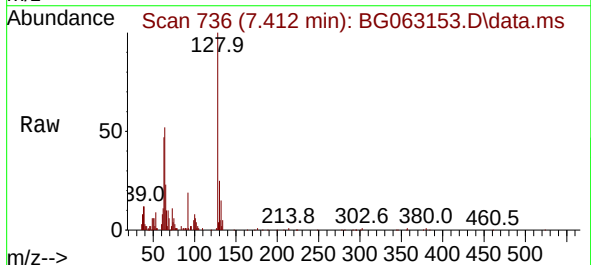
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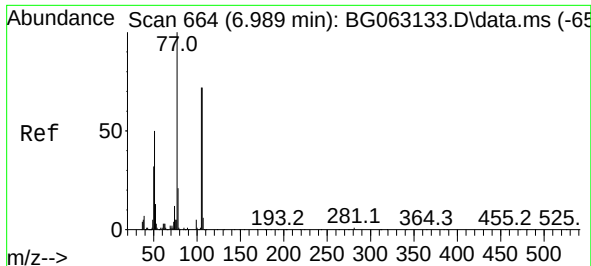
Tgt Ion: 99 Resp: 1064689
Ion Ratio Lower Upper
99 100
42 24.2 20.0 30.0
71 45.8 38.2 57.4



#8
2-Chlorophenol
Concen: 11.812 ng
RT: 7.412 min Scan# 736
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion: 128 Resp: 77989
Ion Ratio Lower Upper
128 100
130 25.2 13.3 53.3
64 51.6 41.8 81.8





#9

Benzaldehyde

Concen: 14.591 ng

RT: 6.983 min Scan# 664

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

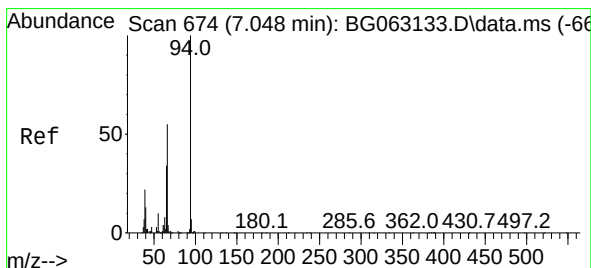
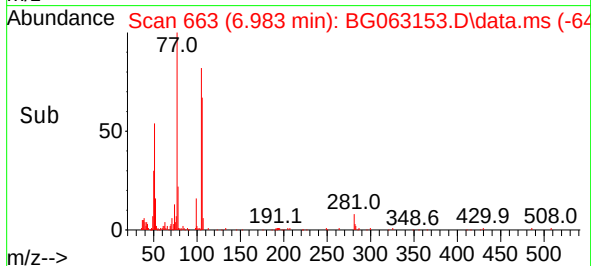
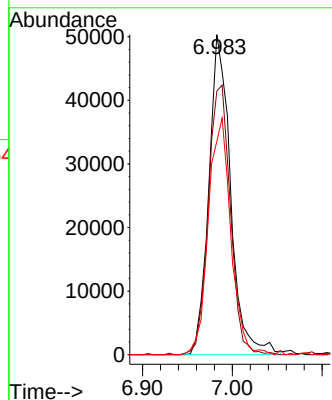
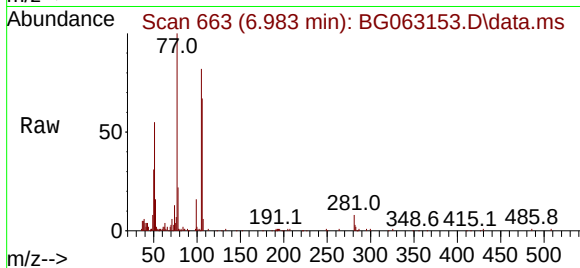
Tgt Ion: 77 Resp: 84467

Ion Ratio Lower Upper

77 100

105 82.4 52.2 92.2

106 66.6 52.2 92.2



#10

Phenol

Concen: 11.254 ng

RT: 7.041 min Scan# 673

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

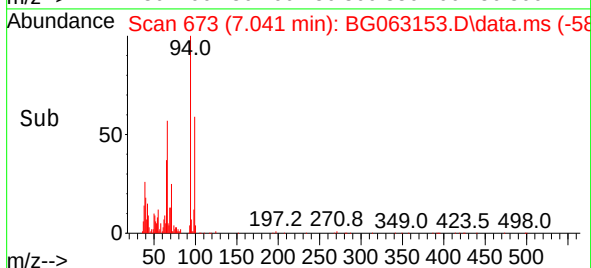
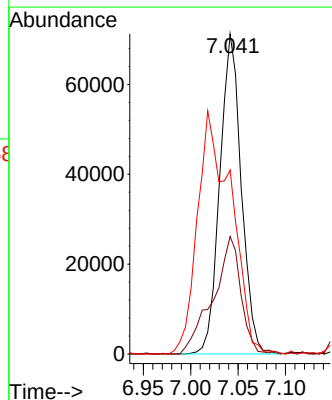
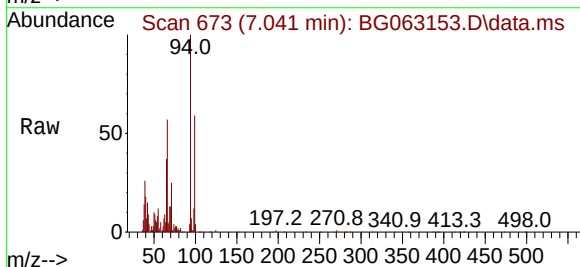
Tgt Ion: 94 Resp: 112320

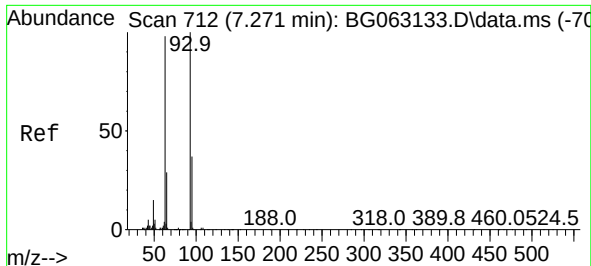
Ion Ratio Lower Upper

94 100

65 36.7 14.2 54.2

66 57.4 36.2 76.2

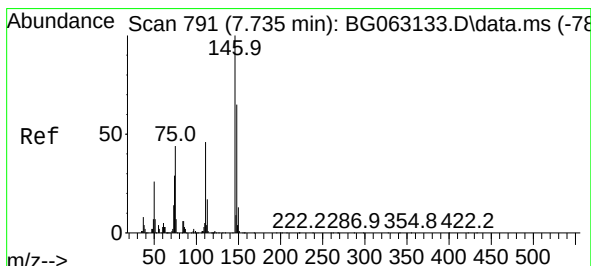
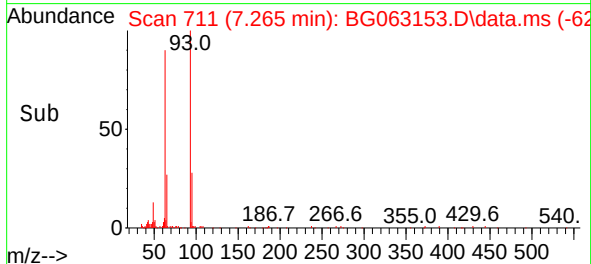
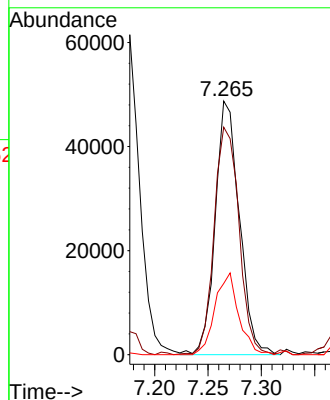
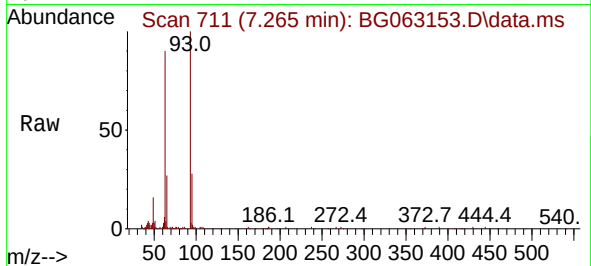




#11
bis(2-Chloroethyl)ether
Concen: 11.398 ng
RT: 7.265 min Scan# 711
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

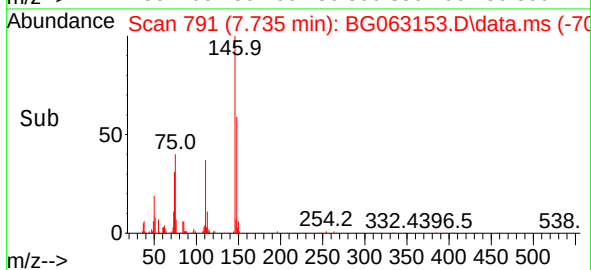
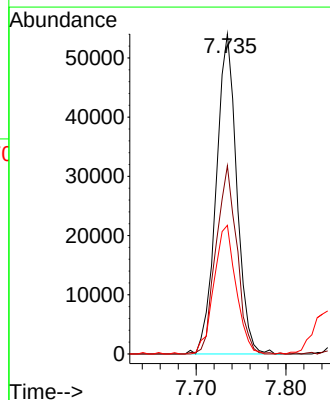
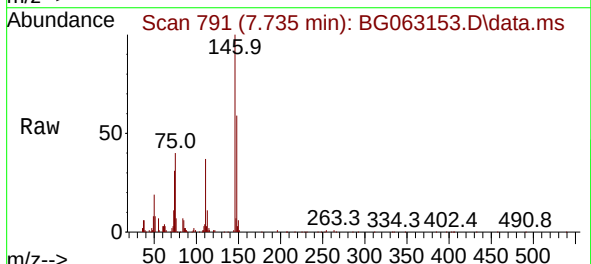
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

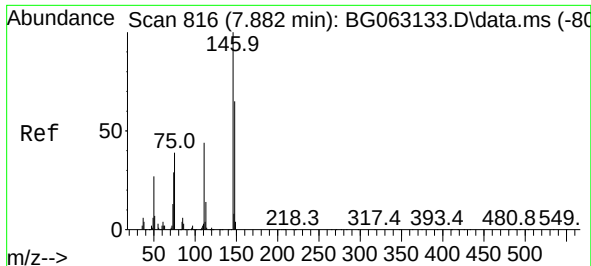
Tgt Ion: 93 Resp: 76727
Ion Ratio Lower Upper
93 100
63 89.7 77.5 117.5
95 28.1 16.5 56.5



#12
1,3-Dichlorobenzene
Concen: 10.732 ng
RT: 7.735 min Scan# 791
Delta R.T. -0.000 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion: 146 Resp: 85969
Ion Ratio Lower Upper
146 100
148 58.8 51.7 77.5
75 40.2 35.7 53.5

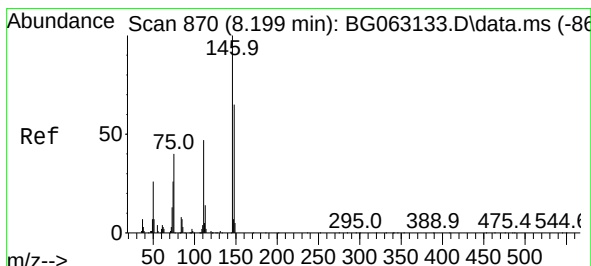
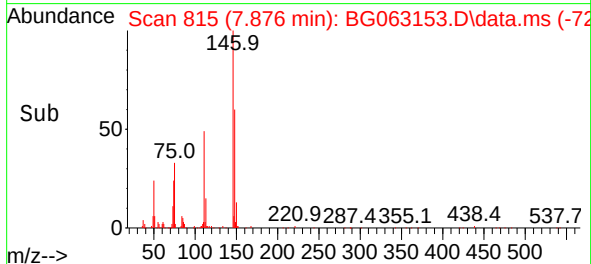
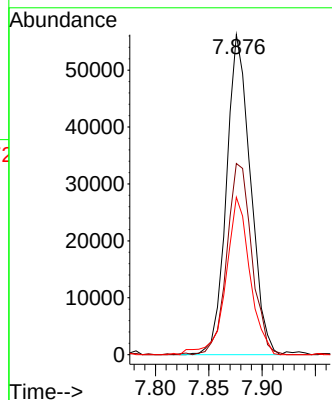
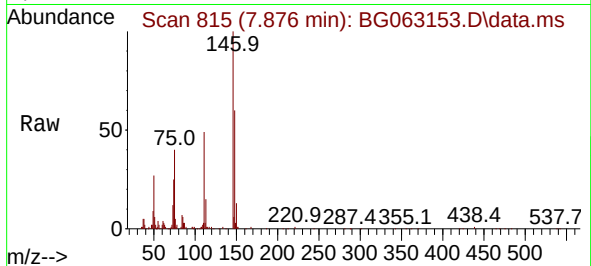




#13
1,4-Dichlorobenzene
Concen: 10.775 ng
RT: 7.876 min Scan# 816
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

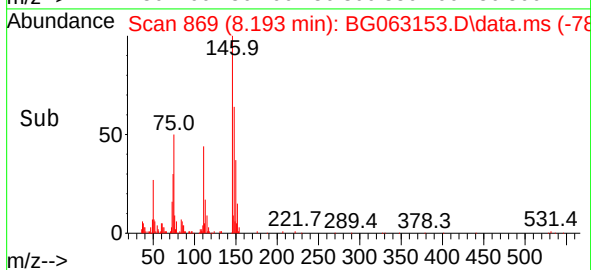
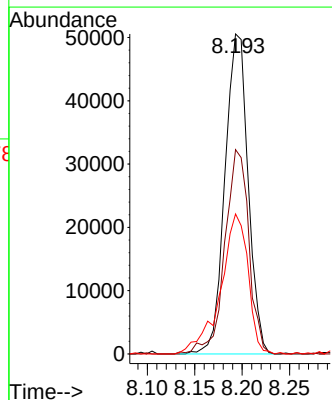
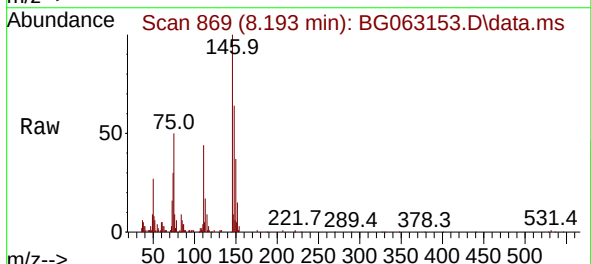
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

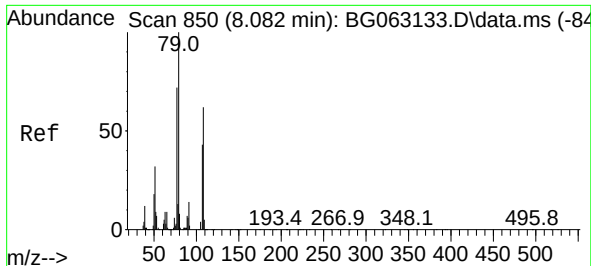
Tgt Ion:146 Resp: 87989
Ion Ratio Lower Upper
146 100
148 59.8 52.3 78.5
111 49.2 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 10.920 ng
RT: 8.193 min Scan# 869
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:146 Resp: 85959
Ion Ratio Lower Upper
146 100
148 63.9 52.3 78.5
111 43.7 38.5 57.7

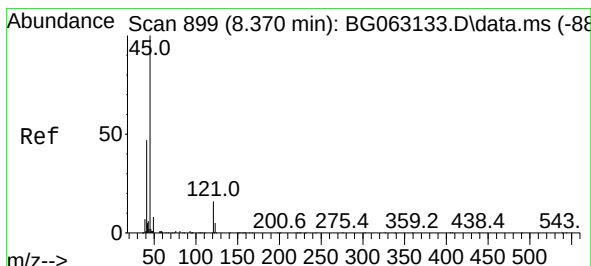
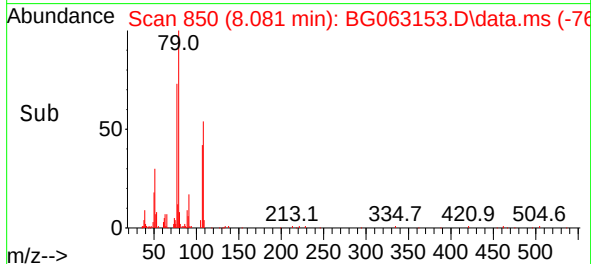
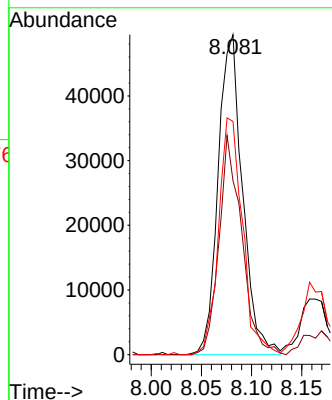
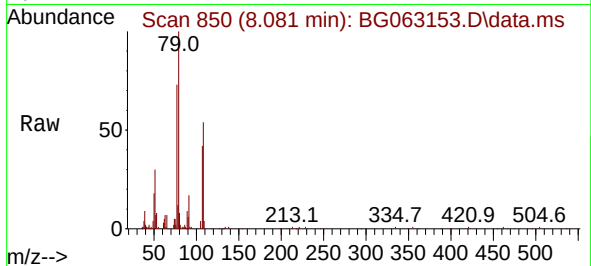




#15
Benzyl Alcohol
Concen: 11.156 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.000 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

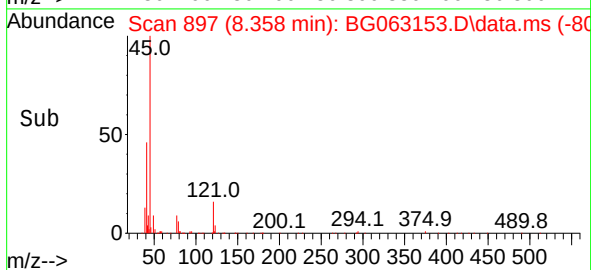
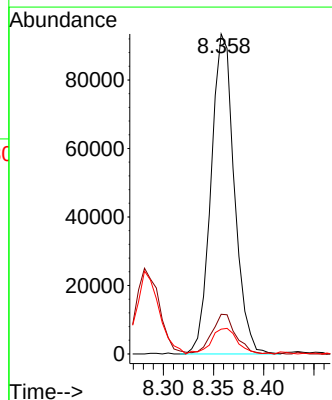
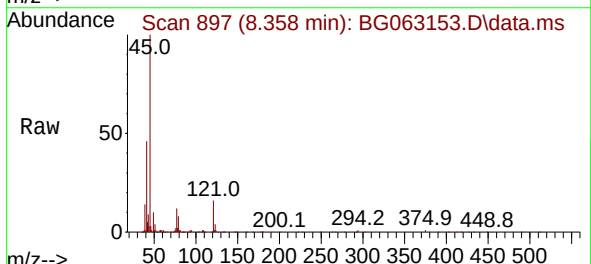
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

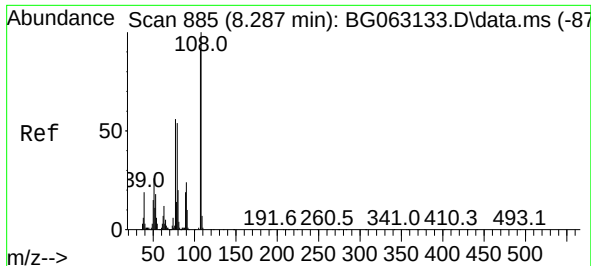
Tgt Ion: 79 Resp: 83516
Ion Ratio Lower Upper
79 100
108 54.4 49.5 74.3
77 72.9 57.6 86.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.300 ng
RT: 8.358 min Scan# 897
Delta R.T. -0.012 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion: 45 Resp: 150185
Ion Ratio Lower Upper
45 100
77 12.4 0.0 32.4
79 7.7 0.0 29.7

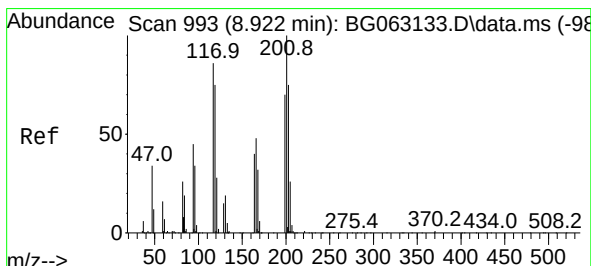
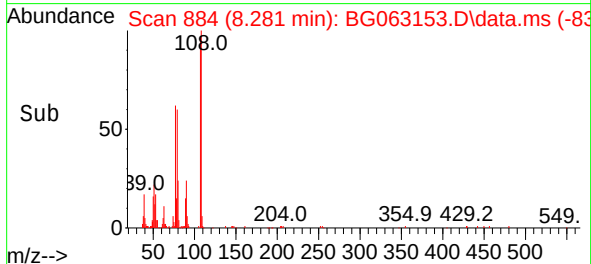
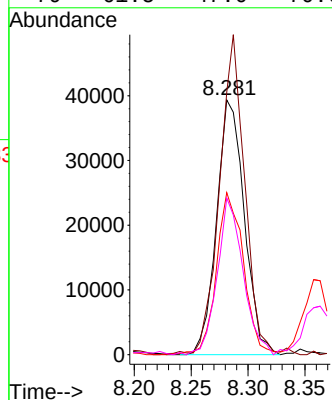
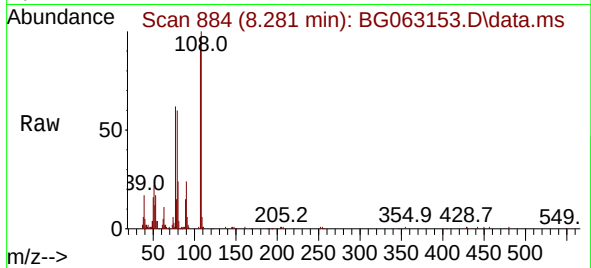




#17
2-Methylphenol
Concen: 10.518 ng
RT: 8.281 min Scan# 885
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

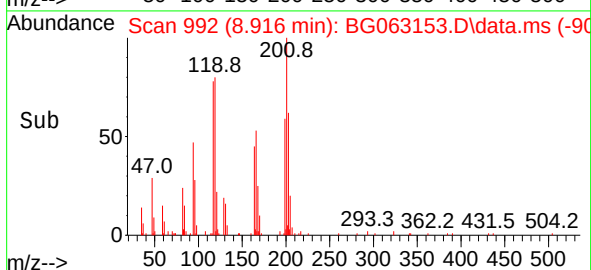
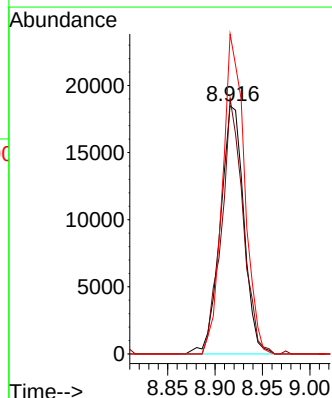
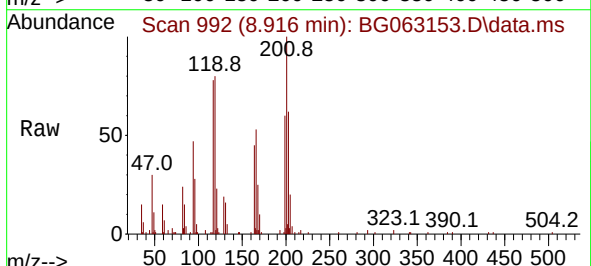
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

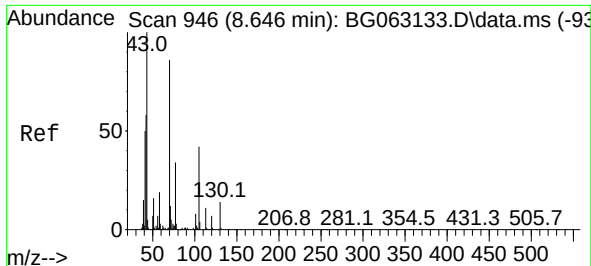
Tgt Ion:	107	Resp:	66781
Ion	Ratio	Lower	Upper
107	100		
108	103.1	87.1	130.7
77	63.7	48.9	73.3
79	61.5	47.0	70.6



#18
Hexachloroethane
Concen: 10.907 ng
RT: 8.916 min Scan# 992
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:	117	Resp:	31873
Ion	Ratio	Lower	Upper
117	100		
119	102.9	69.7	104.5
201	128.9	92.6	138.8

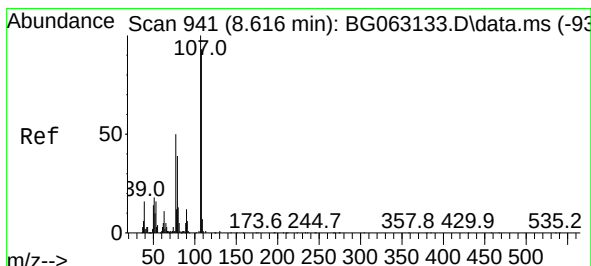
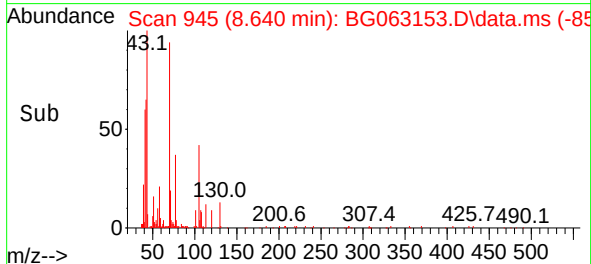
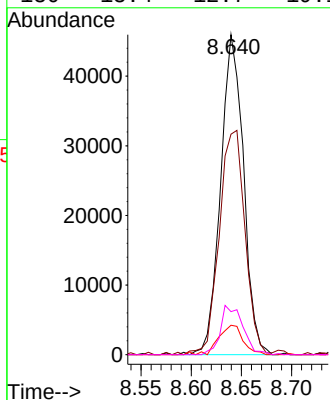
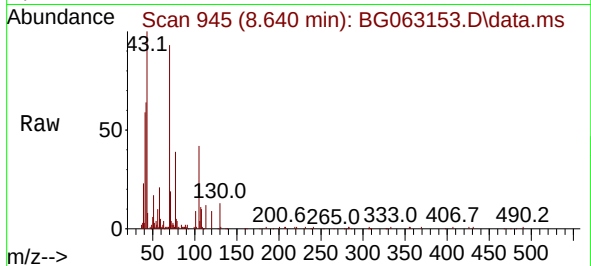




#19
n-Nitroso-di-n-propylamine
Concen: 11.233 ng
RT: 8.640 min Scan# 946
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

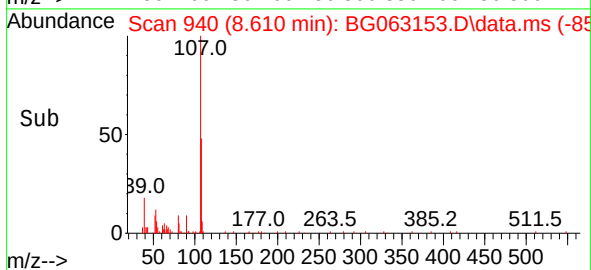
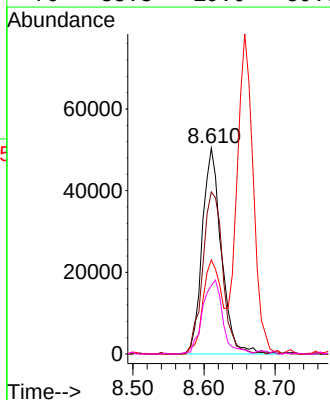
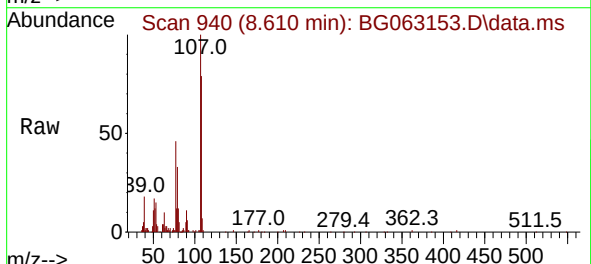
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

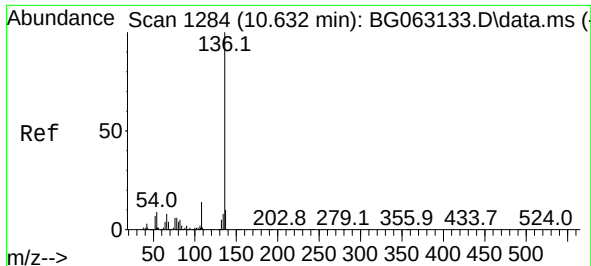
Tgt Ion: 70 Resp: 72883
Ion Ratio Lower Upper
70 100
42 68.9 54.2 81.2
101 9.2 7.7 11.5
130 13.4 12.7 19.1



#20
3+4-Methylphenols
Concen: 11.136 ng
RT: 8.610 min Scan# 940
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion: 107 Resp: 94297
Ion Ratio Lower Upper
107 100
108 78.8 73.1 113.1
77 45.7 30.2 70.2
79 33.3 19.0 59.0

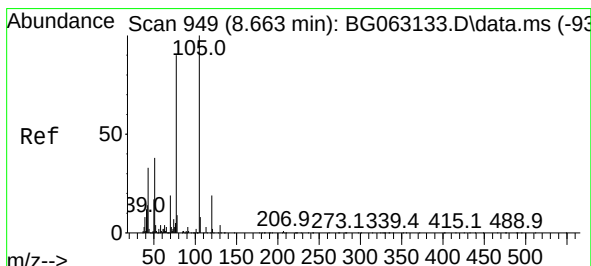
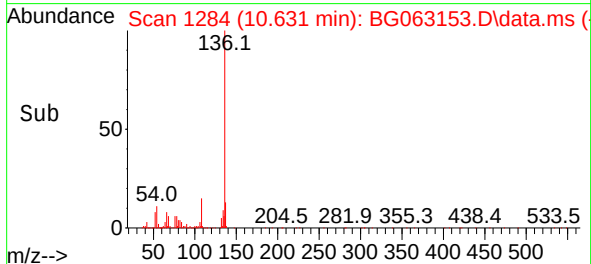
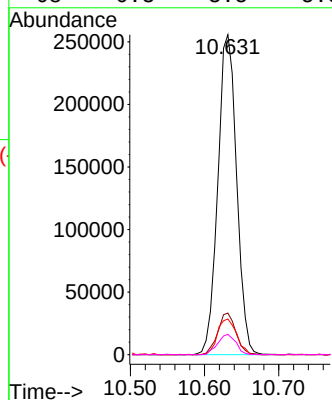
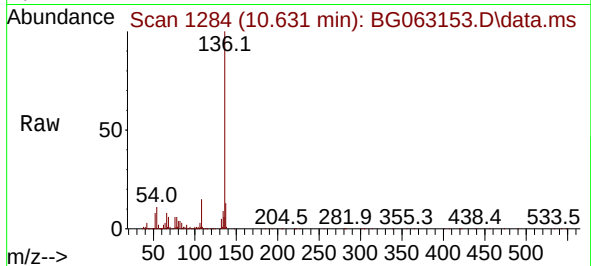




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.631 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

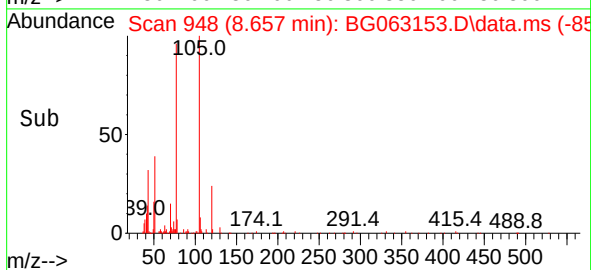
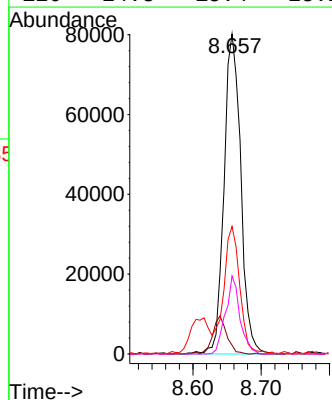
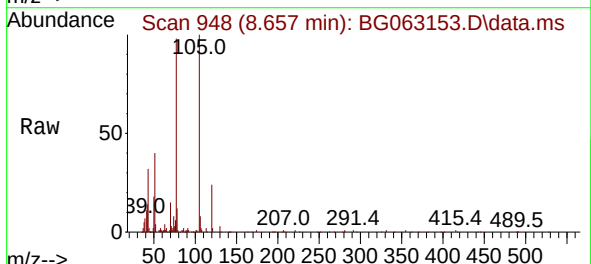
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

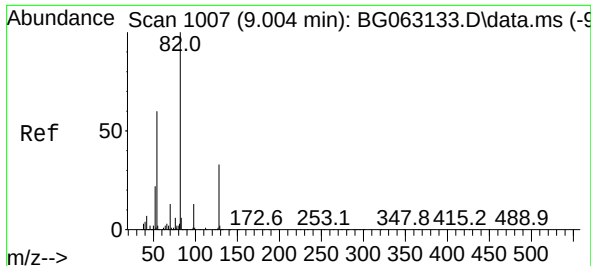
Tgt Ion:	136	Resp:	449976
Ion	Ratio	Lower	Upper
136	100		
137	13.0	7.8	11.6#
54	11.1	7.3	10.9#
68	6.3	3.5	5.3#



#22
Acetophenone
Concen: 11.365 ng
RT: 8.657 min Scan# 948
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:	105	Resp:	137031
Ion	Ratio	Lower	Upper
105	100		
71	2.7	2.3	3.5
51	39.9	30.5	45.7
120	24.3	15.4	23.2#

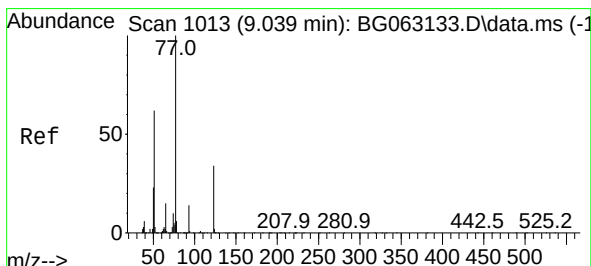
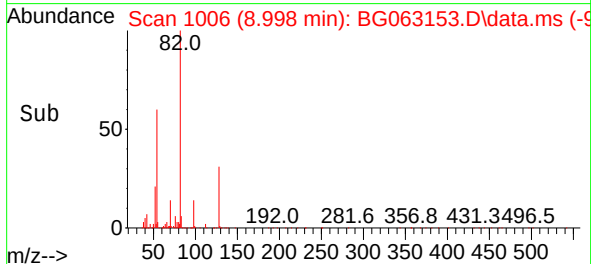
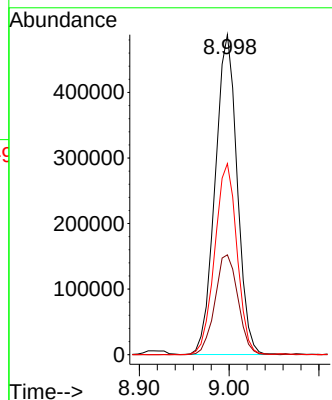
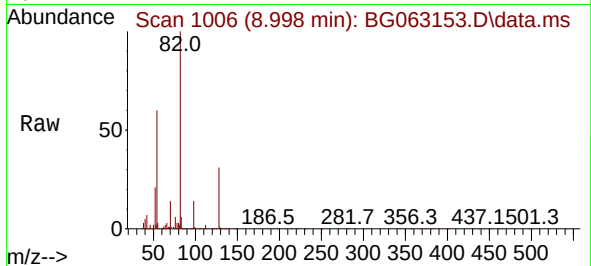




#23
Nitrobenzene-d5
Concen: 80.182 ng
RT: 8.998 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

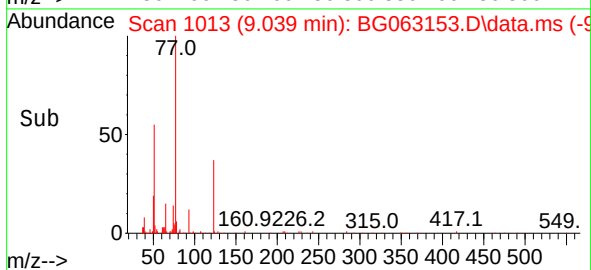
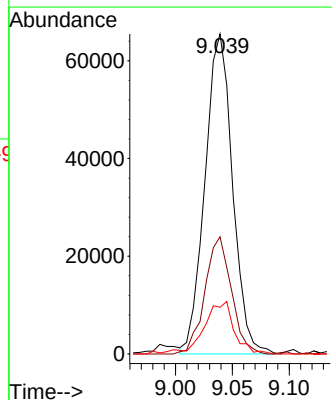
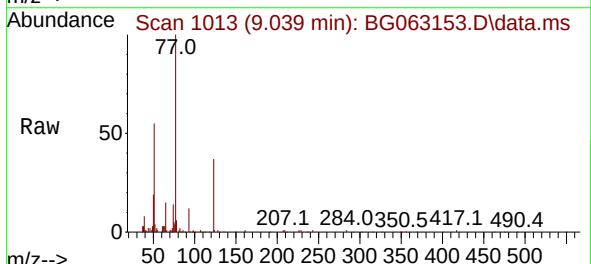
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

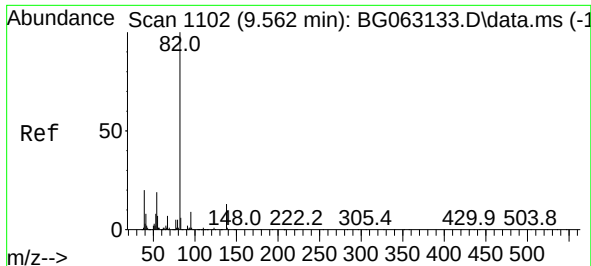
Tgt Ion: 82 Resp: 829561
Ion Ratio Lower Upper
82 100
128 31.2 26.6 39.8
54 59.7 47.8 71.8



#24
Nitrobenzene
Concen: 9.890 ng
RT: 9.039 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion: 77 Resp: 110644
Ion Ratio Lower Upper
77 100
123 36.6 26.9 40.3
65 14.6 12.3 18.5





#25

Isophorone

Concen: 11.177 ng

RT: 9.556 min Scan# 1101

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

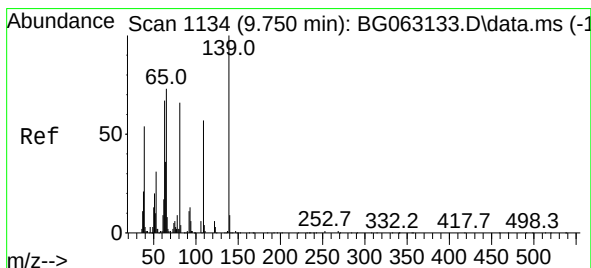
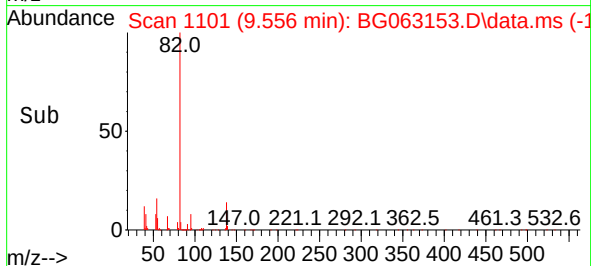
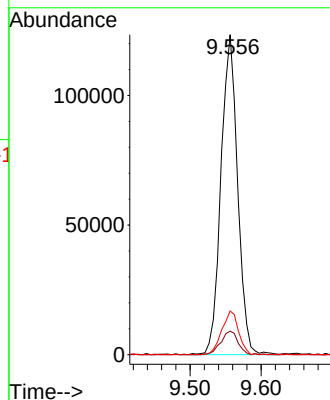
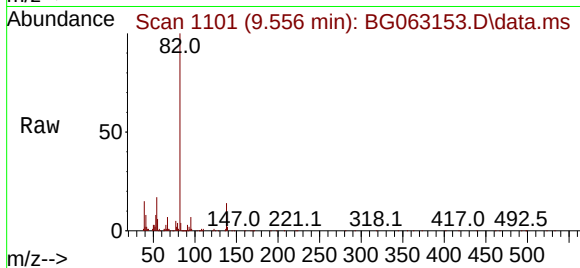
Tgt Ion: 82 Resp: 200030

Ion Ratio Lower Upper

82 100

95 7.4 7.4 11.0

138 13.7 10.3 15.5



#26

2-Nitrophenol

Concen: 10.343 ng

RT: 9.744 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

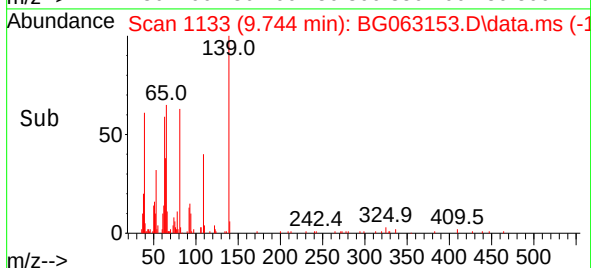
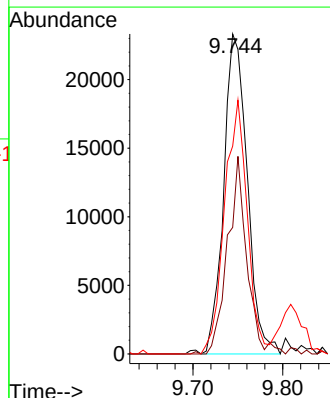
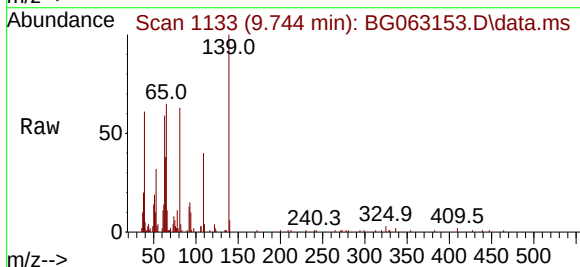
Tgt Ion:139 Resp: 42554

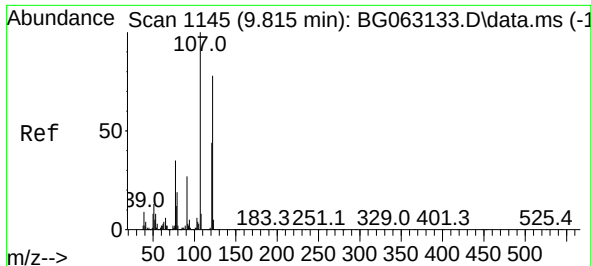
Ion Ratio Lower Upper

139 100

109 39.5 45.4 68.0#

65 64.9 58.4 87.6





#27

2,4-Dimethylphenol

Concen: 8.336 ng

RT: 9.809 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

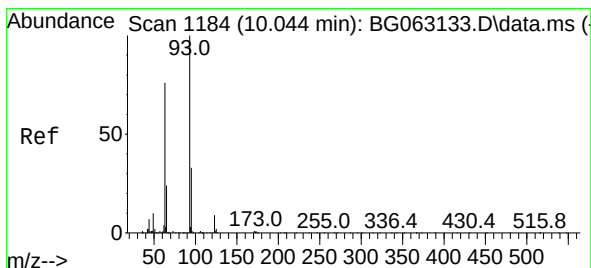
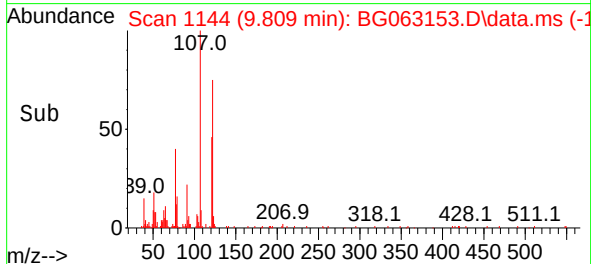
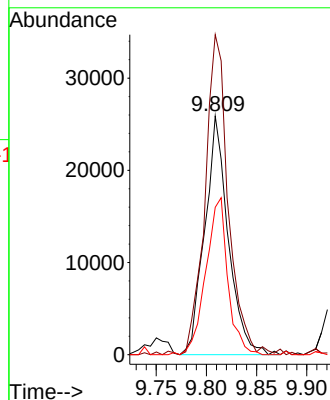
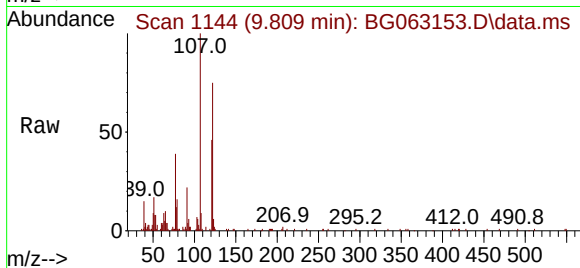
Tgt Ion:122 Resp: 42163

Ion Ratio Lower Upper

122 100

107 134.0 101.8 152.6

121 61.7 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 11.367 ng

RT: 10.044 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

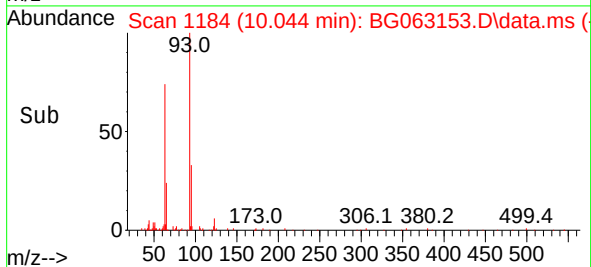
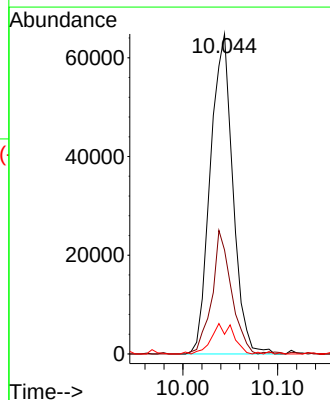
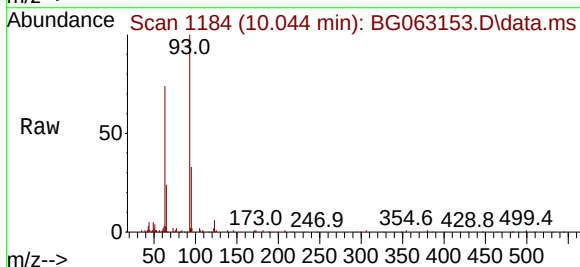
Tgt Ion: 93 Resp: 106664

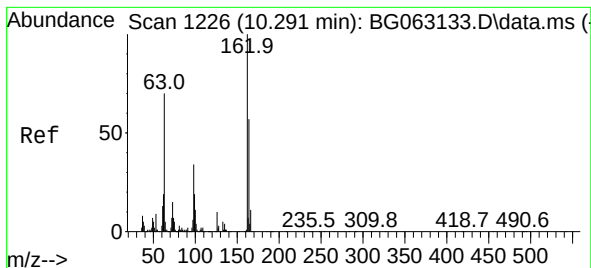
Ion Ratio Lower Upper

93 100

95 32.5 26.1 39.1

123 6.1 7.6 11.4#





#29

2,4-Dichlorophenol

Concen: 10.724 ng

RT: 10.285 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

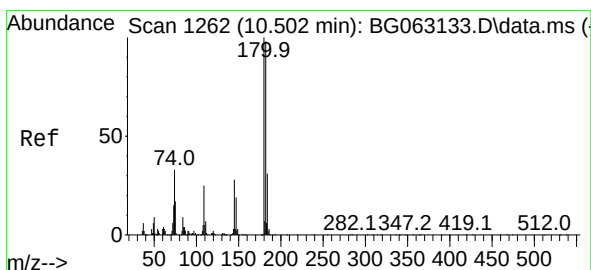
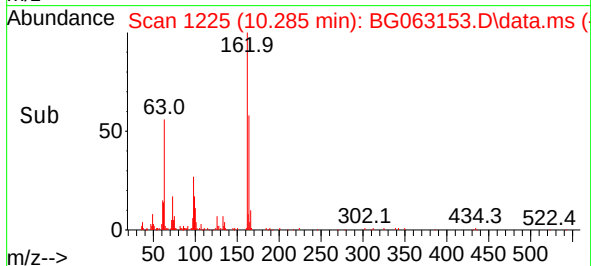
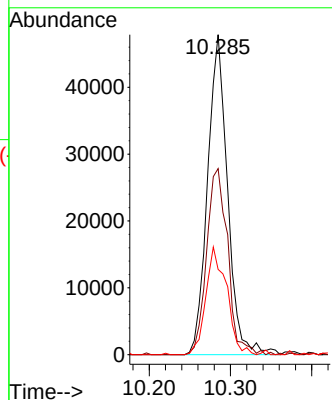
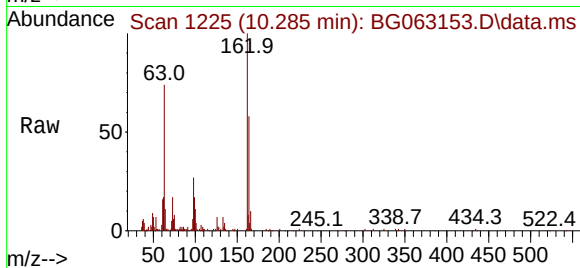
Tgt Ion:162 Resp: 81925

Ion Ratio Lower Upper

162 100

164 58.2 37.2 77.2

98 26.7 14.0 54.0



#30

1,2,4-Trichlorobenzene

Concen: 10.401 ng

RT: 10.496 min Scan# 1261

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

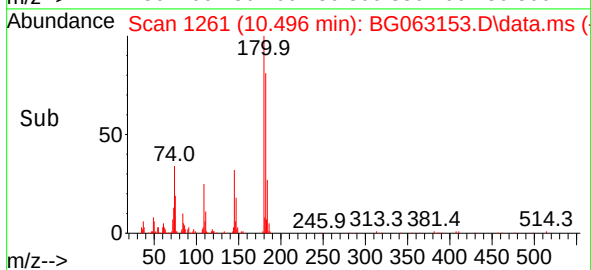
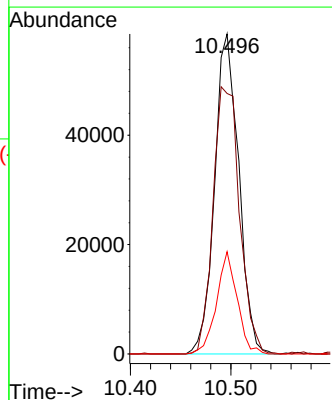
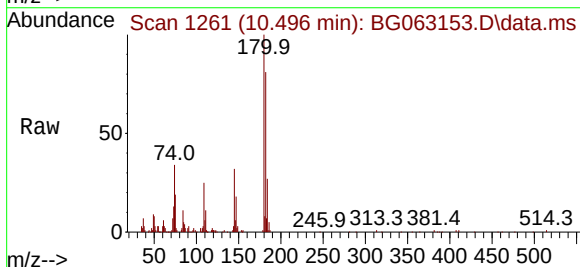
Tgt Ion:180 Resp: 97737

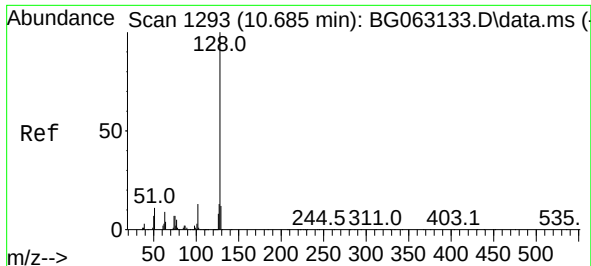
Ion Ratio Lower Upper

180 100

182 81.4 78.5 117.7

145 32.0 22.6 34.0

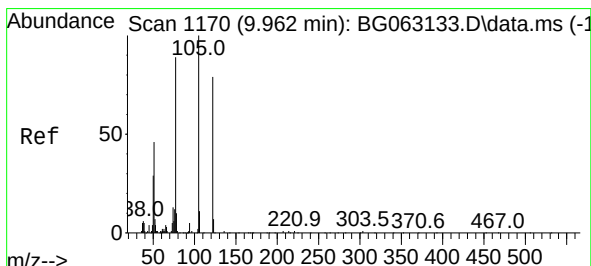
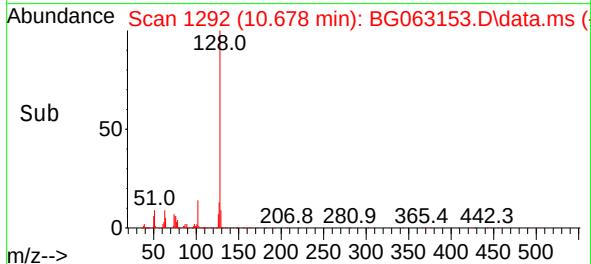
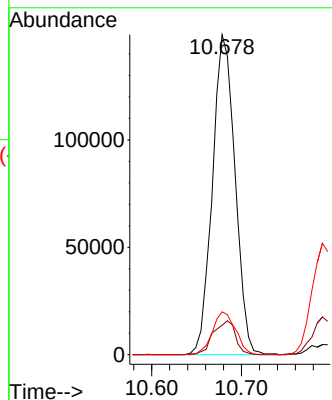
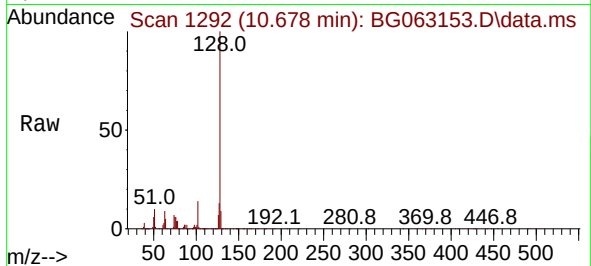




#31
Naphthalene
Concen: 10.982 ng
RT: 10.678 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

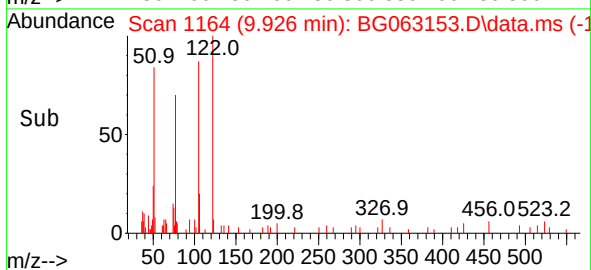
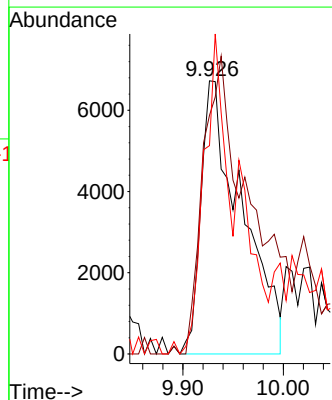
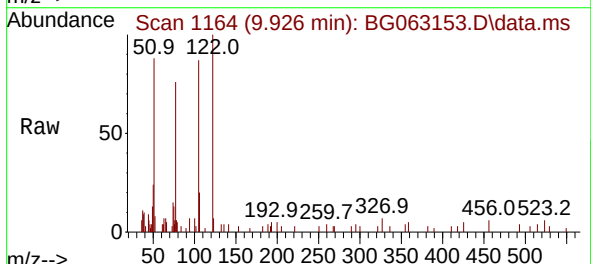
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

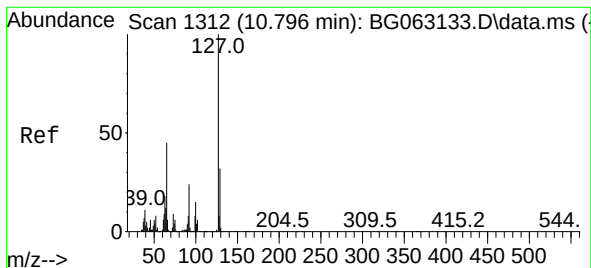
Tgt Ion:128 Resp: 260675
Ion Ratio Lower Upper
128 100
129 9.2 9.5 14.3#
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 4.311 ng
RT: 9.926 min Scan# 1164
Delta R.T. -0.036 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:122 Resp: 19004
Ion Ratio Lower Upper
122 100
105 87.3 105.2 145.2#
77 76.3 93.0 133.0#





#33

4-Chloroaniline

Concen: 11.651 ng

RT: 10.790 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 93331

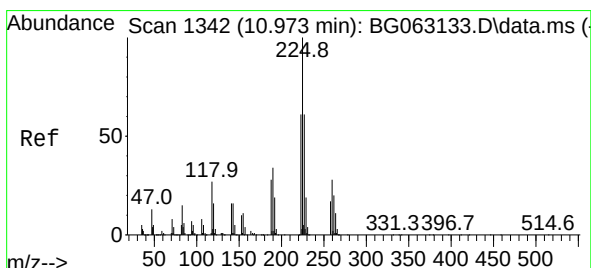
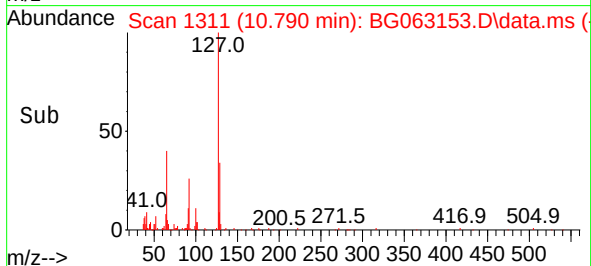
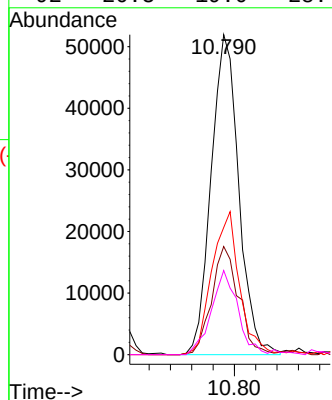
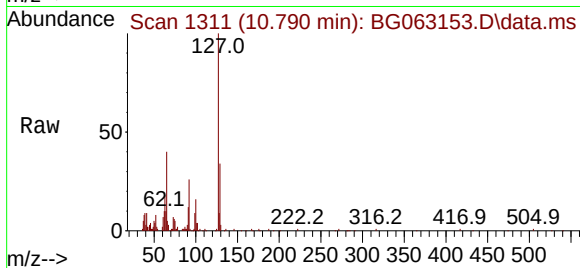
Ion Ratio Lower Upper

127 100

129 33.8 25.6 38.4

65 39.7 36.4 54.6

92 26.3 19.0 28.4



#34

Hexachlorobutadiene

Concen: 10.222 ng

RT: 10.972 min Scan# 1342

Delta R.T. -0.000 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

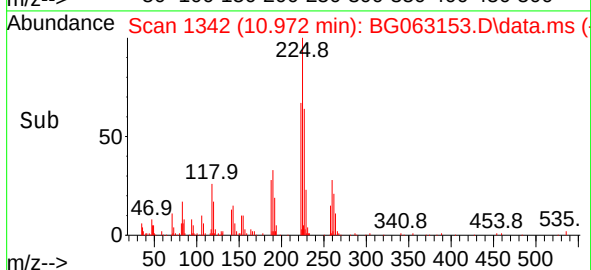
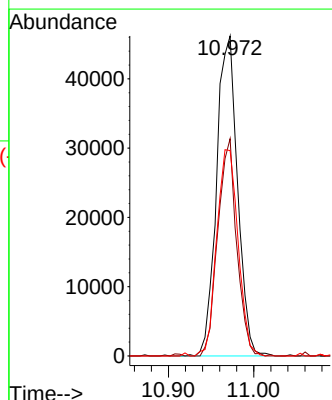
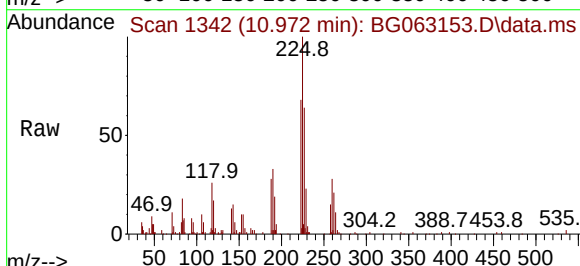
Tgt Ion:225 Resp: 79050

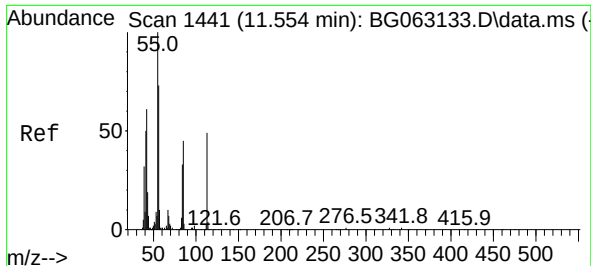
Ion Ratio Lower Upper

225 100

223 67.9 46.2 69.4

227 64.2 46.2 69.4

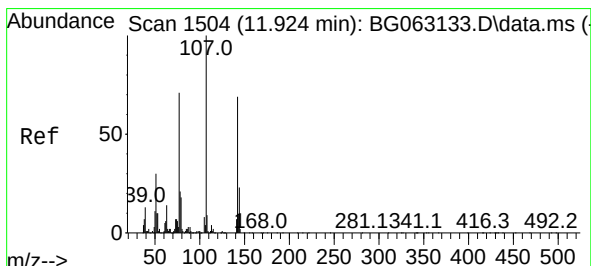
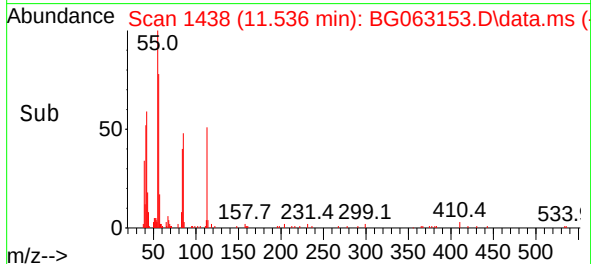
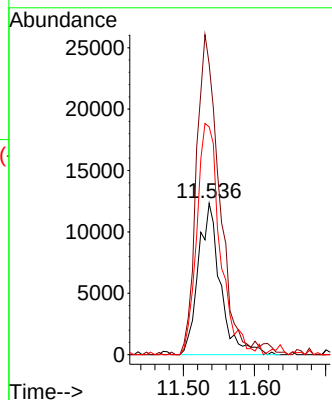
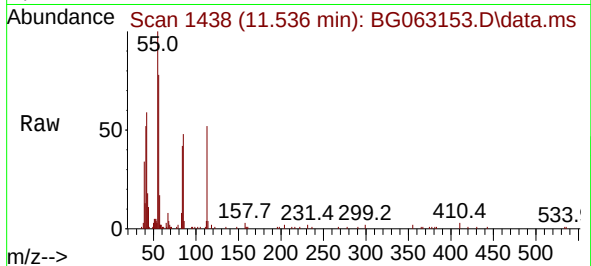




#35
Caprolactam
Concen: 10.936 ng
RT: 11.536 min Scan# 1441
Delta R.T. -0.018 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

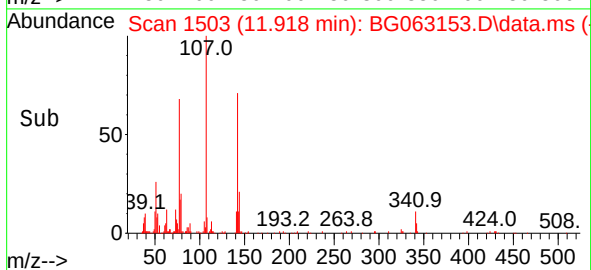
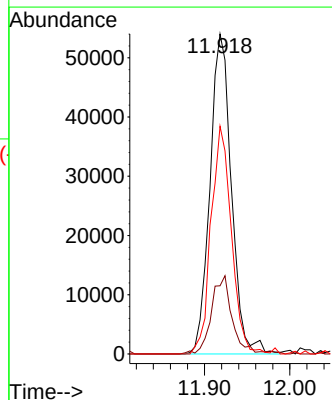
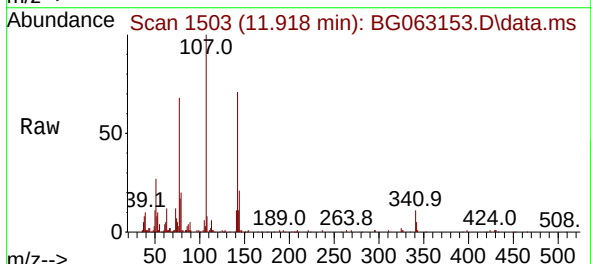
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

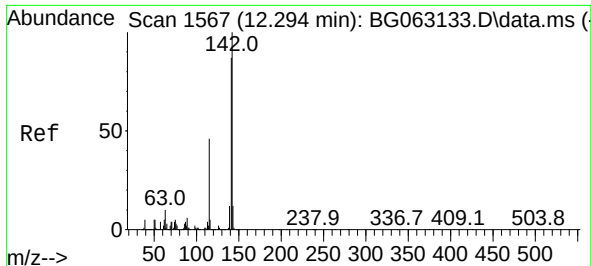
Tgt Ion:113 Resp: 26681
Ion Ratio Lower Upper
113 100
55 192.0 187.0 227.0
56 150.5 130.9 170.9



#36
4-Chloro-3-methylphenol
Concen: 10.754 ng
RT: 11.918 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:107 Resp: 94653
Ion Ratio Lower Upper
107 100
144 21.3 18.5 27.7
142 71.2 55.0 82.4





#37

2-Methylnaphthalene

Concen: 10.548 ng

RT: 12.294 min Scan# 1567

Delta R.T. -0.000 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

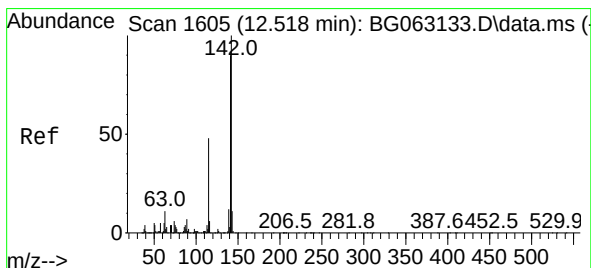
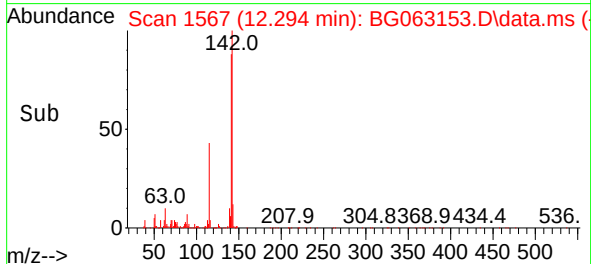
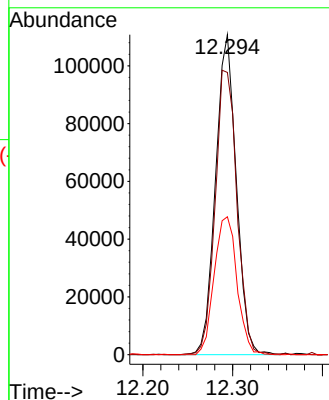
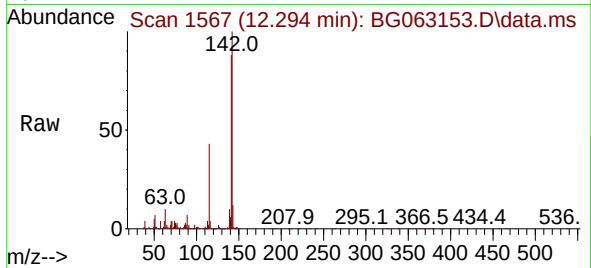
Tgt Ion:142 Resp: 177611

Ion Ratio Lower Upper

142 100

141 88.2 69.2 103.8

115 43.1 36.6 54.8



#38

1-Methylnaphthalene

Concen: 10.238 ng

RT: 12.512 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

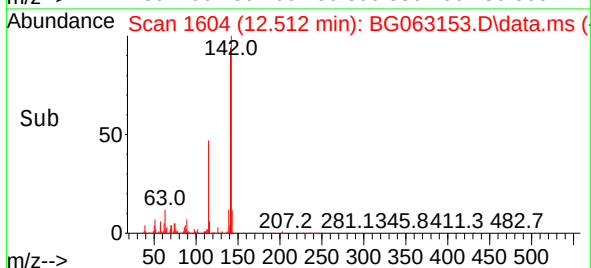
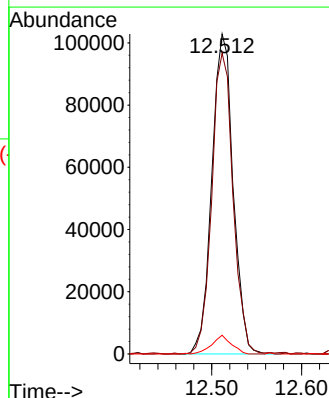
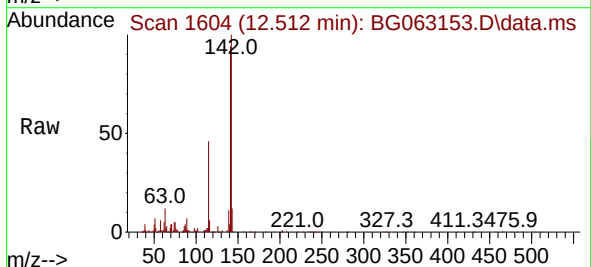
Tgt Ion:142 Resp: 169682

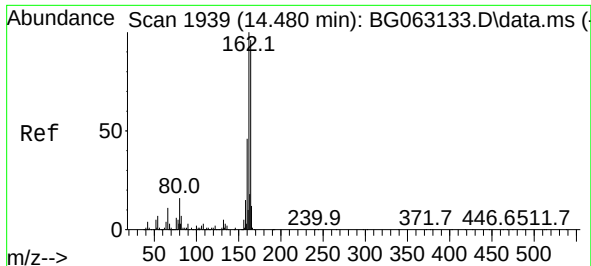
Ion Ratio Lower Upper

142 100

141 93.9 72.2 108.4

116 5.9 4.5 6.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.474 min Scan# 1938

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

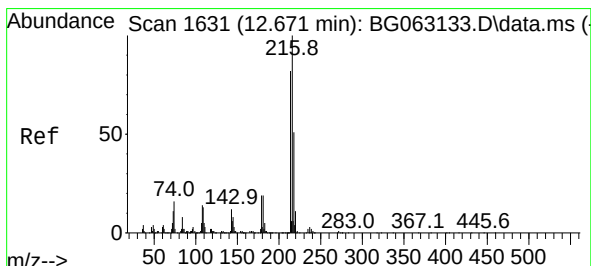
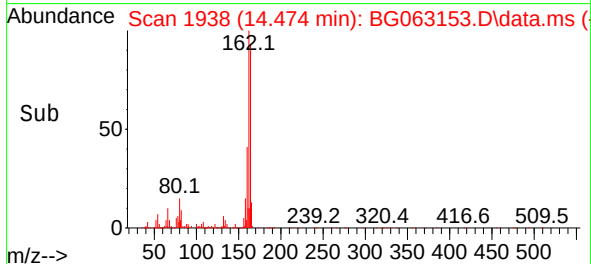
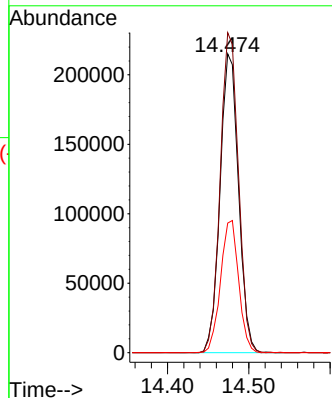
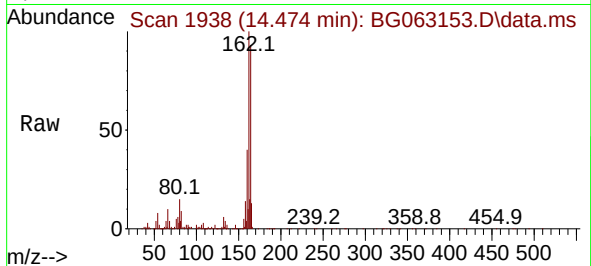
Tgt Ion:164 Resp: 339556

Ion Ratio Lower Upper

164 100

162 107.0 83.4 125.0

160 43.3 38.0 57.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.778 ng

RT: 12.664 min Scan# 1630

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Tgt Ion:216 Resp: 131512

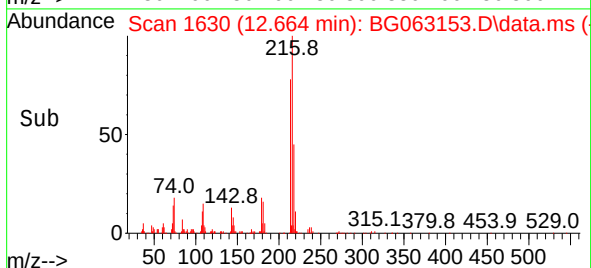
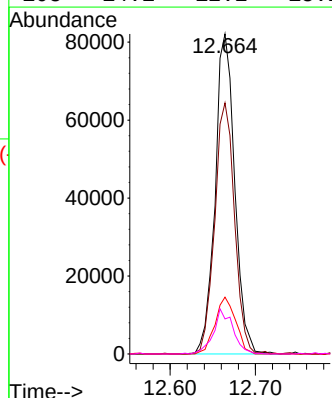
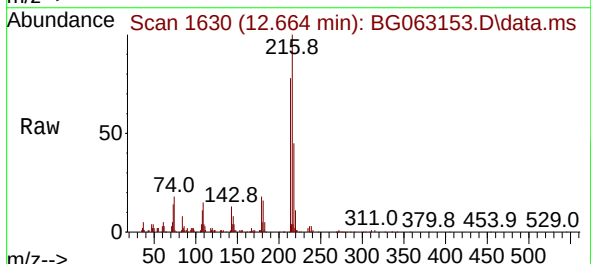
Ion Ratio Lower Upper

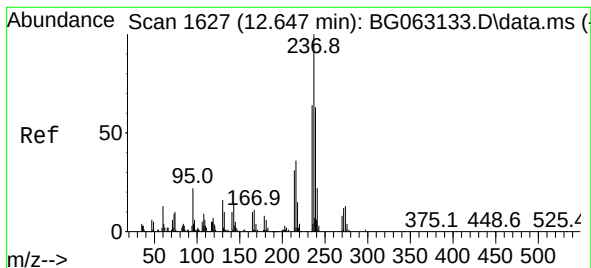
216 100

214 79.3 63.8 95.6

179 18.7 15.7 23.5

108 14.1 12.2 18.2





#41

Hexachlorocyclopentadiene

Concen: 8.386 ng

RT: 12.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

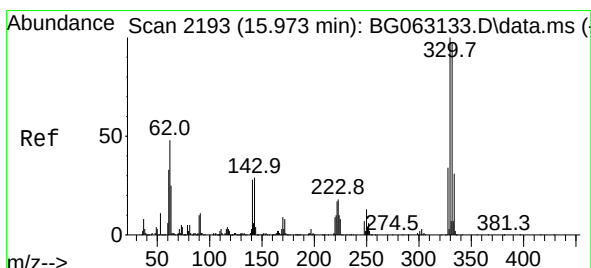
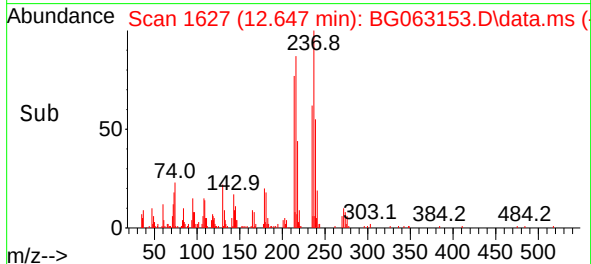
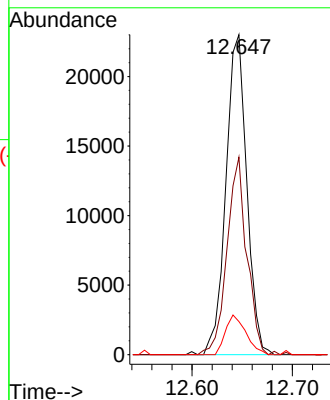
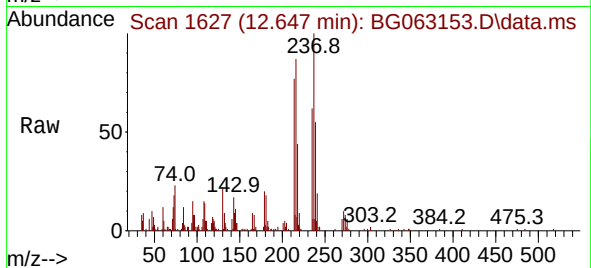
Tgt Ion:237 Resp: 33247

Ion Ratio Lower Upper

237 100

235 61.7 43.8 83.8

272 10.3 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 110.278 ng

RT: 15.972 min Scan# 2193

Delta R.T. -0.000 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

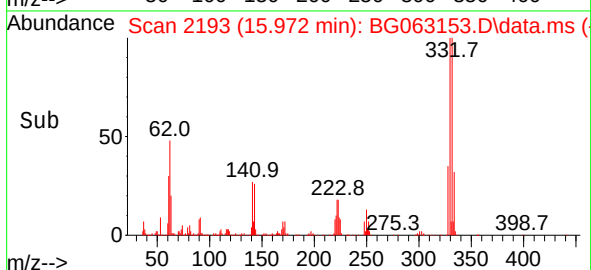
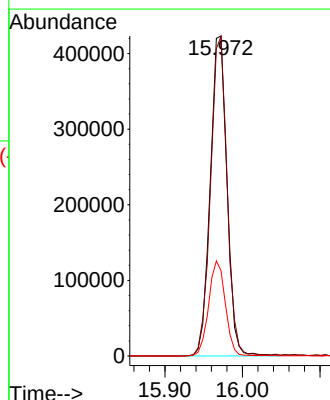
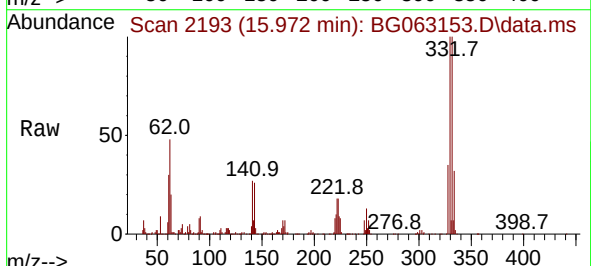
Tgt Ion:330 Resp: 636066

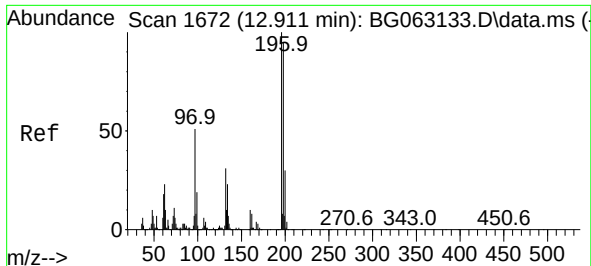
Ion Ratio Lower Upper

330 100

332 98.4 78.6 117.8

141 29.5 22.6 34.0

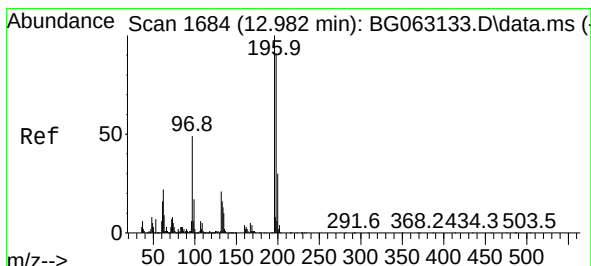
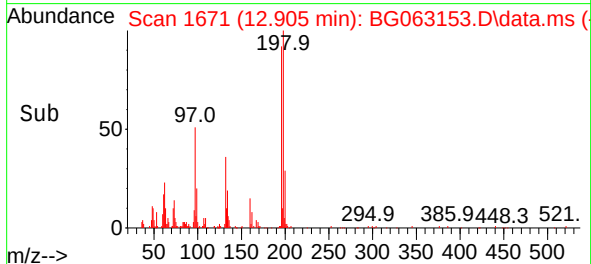
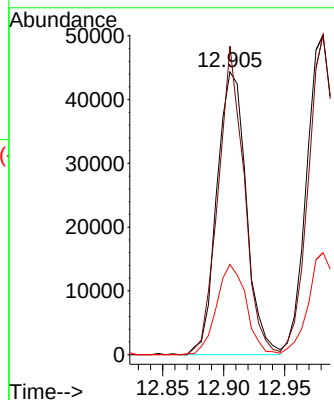
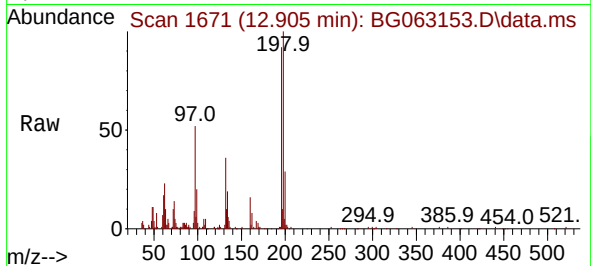




#43
2,4,6-Trichlorophenol
Concen: 10.203 ng
RT: 12.905 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

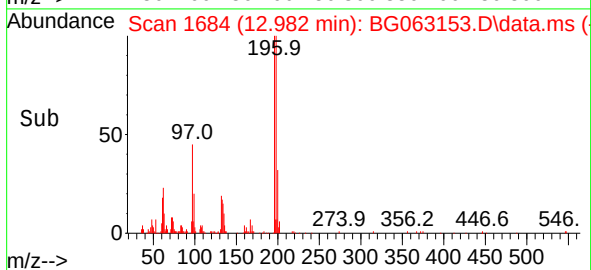
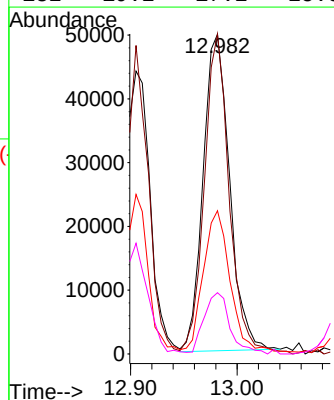
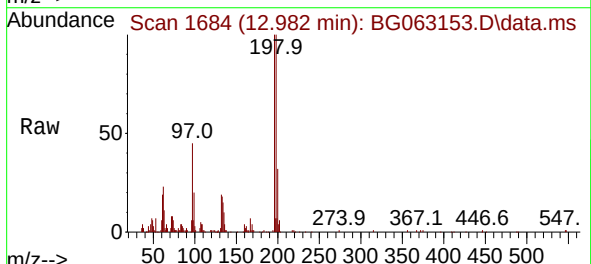
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

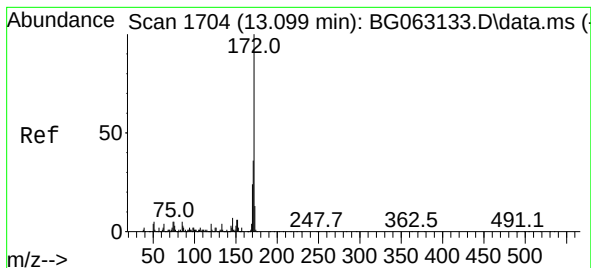
Tgt Ion:196 Resp: 74532
Ion Ratio Lower Upper
196 100
198 109.1 76.2 114.2
200 31.9 23.8 35.8



#44
2,4,5-Trichlorophenol
Concen: 10.696 ng
RT: 12.982 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:196 Resp: 85913
Ion Ratio Lower Upper
196 100
198 100.1 73.2 109.8
97 44.8 39.1 58.7
132 19.2 17.2 25.8





#45

2-Fluorobiphenyl

Concen: 80.116 ng

RT: 13.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

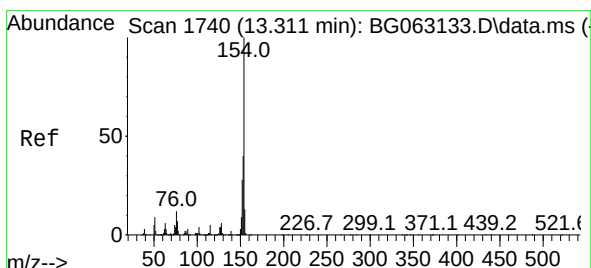
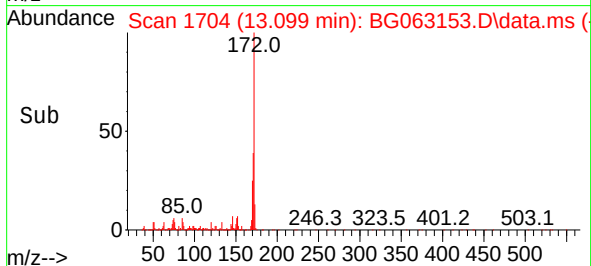
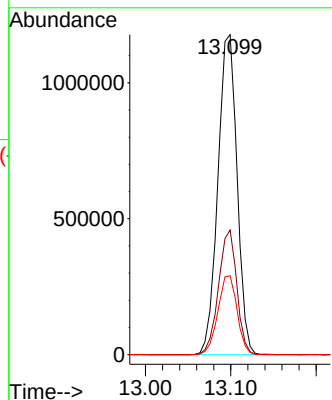
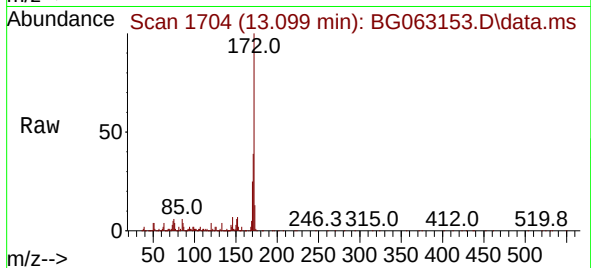
Tgt Ion:172 Resp: 1836716

Ion Ratio Lower Upper

172 100

171 38.9 28.6 42.8

170 24.7 19.4 29.2



#46

1,1'-Biphenyl

Concen: 11.317 ng

RT: 13.305 min Scan# 1739

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

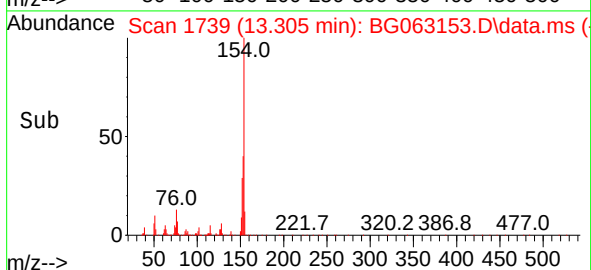
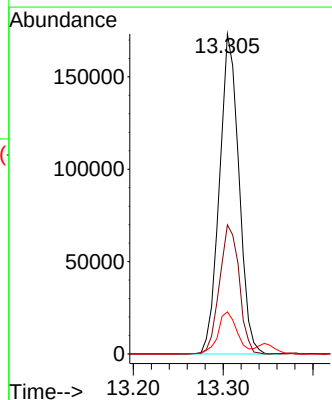
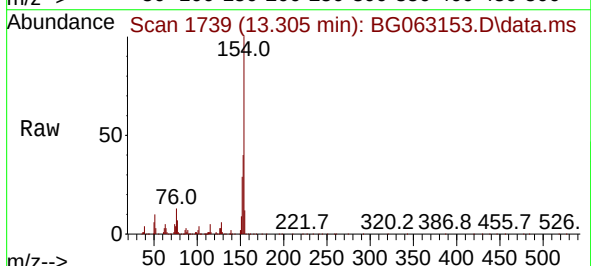
Tgt Ion:154 Resp: 260826

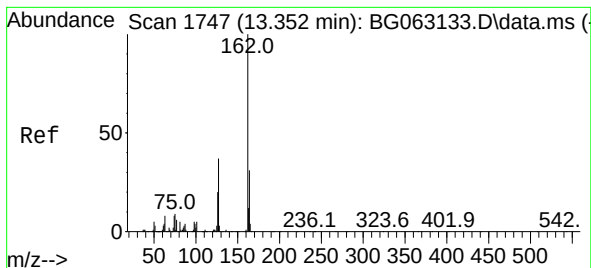
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.1 0.0 32.5





#47

2-Chloronaphthalene

Concen: 10.732 ng

RT: 13.352 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

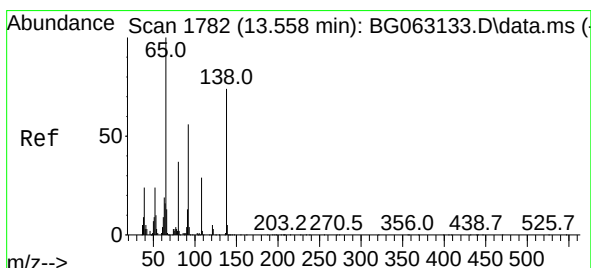
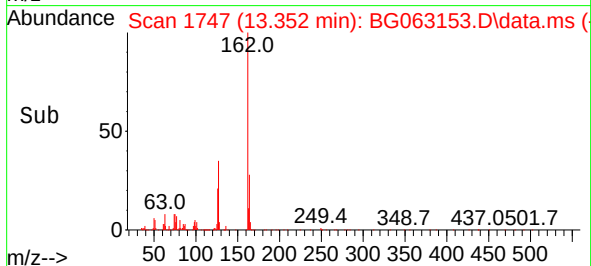
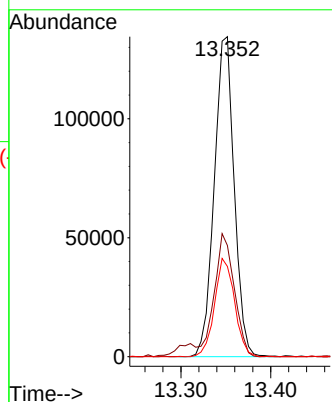
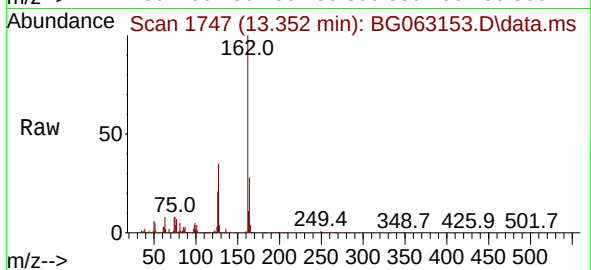
Tgt Ion:162 Resp: 207140

Ion Ratio Lower Upper

162 100

127 34.8 30.3 45.5

164 28.2 24.6 36.8



#48

2-Nitroaniline

Concen: 10.418 ng

RT: 13.552 min Scan# 1781

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

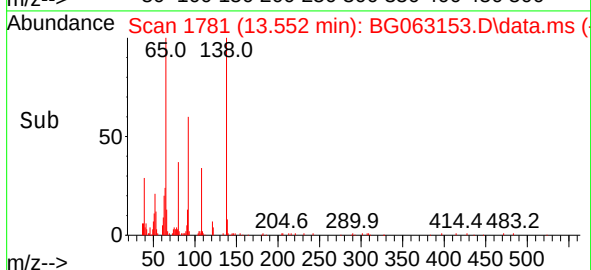
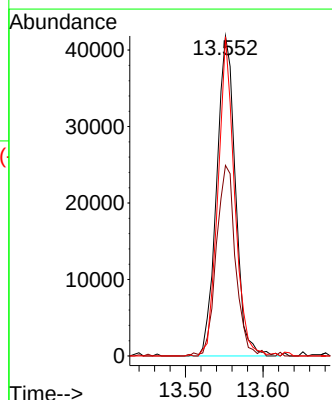
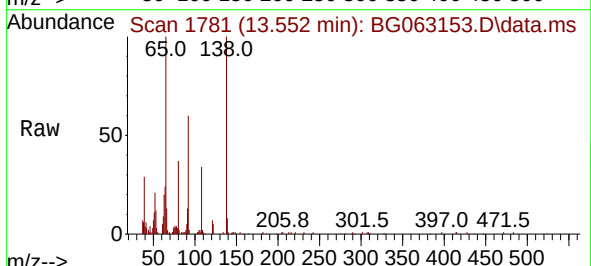
Tgt Ion: 65 Resp: 70577

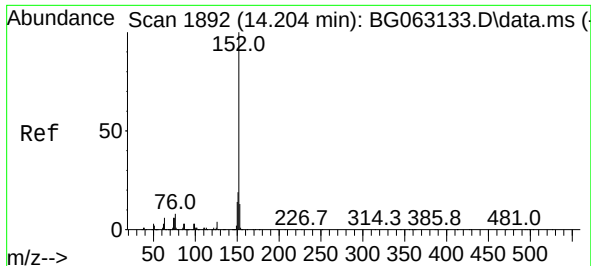
Ion Ratio Lower Upper

65 100

92 59.5 44.6 66.8

138 99.8 59.0 88.4#

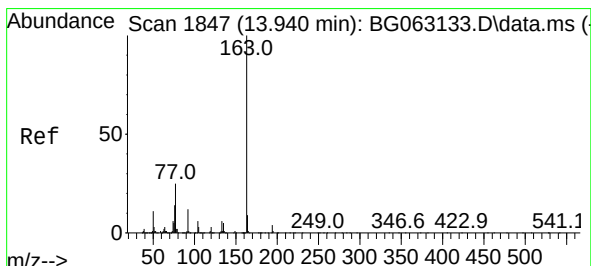
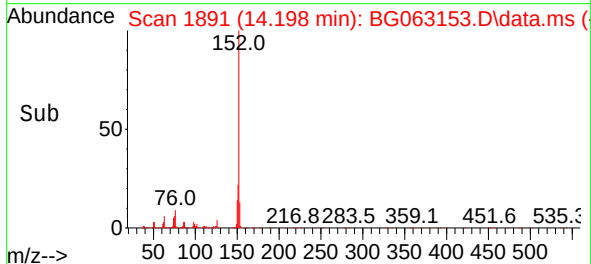
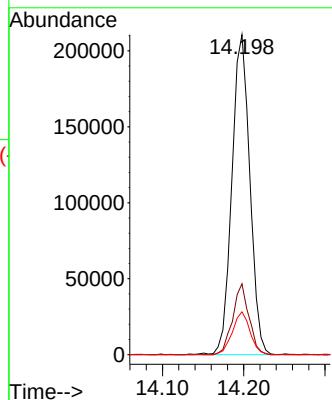
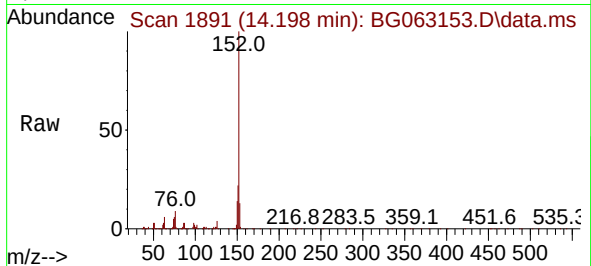




#49
Acenaphthylene
Concen: 11.843 ng
RT: 14.198 min Scan# 1891
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

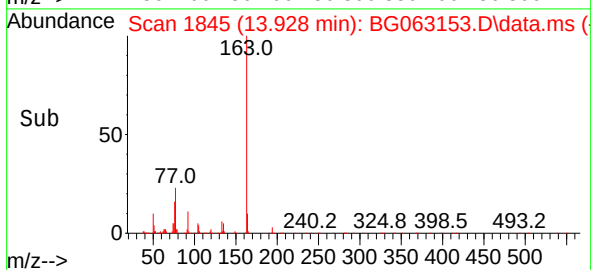
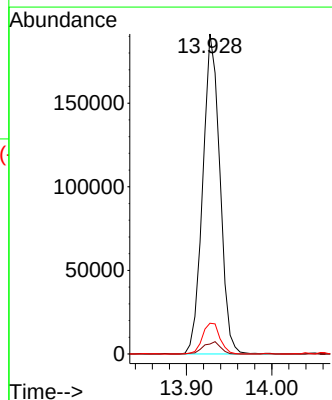
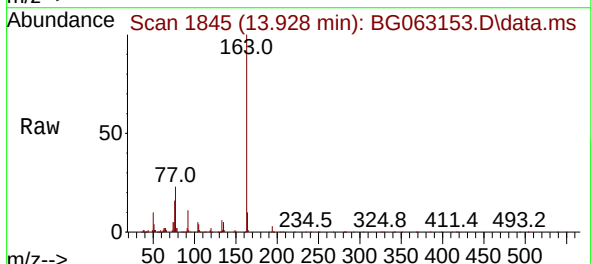
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

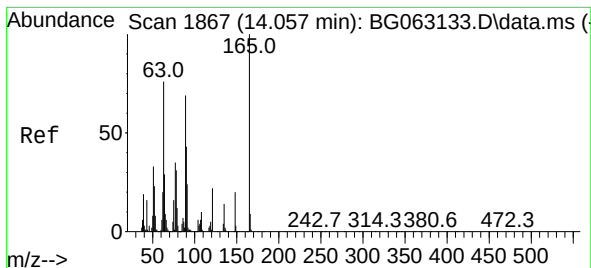
Tgt Ion:152 Resp: 322705
Ion Ratio Lower Upper
152 100
151 22.1 15.0 22.4
153 13.4 10.1 15.1



#50
Dimethylphthalate
Concen: 11.026 ng
RT: 13.928 min Scan# 1845
Delta R.T. -0.012 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:163 Resp: 266835
Ion Ratio Lower Upper
163 100
194 3.5 3.4 5.0
164 9.6 7.0 10.6





#51

2,6-Dinitrotoluene

Concen: 9.865 ng

RT: 14.045 min Scan# 1865

Delta R.T. -0.012 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

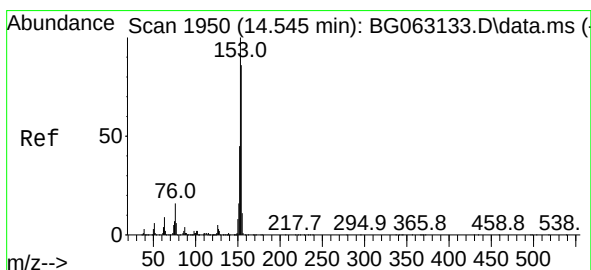
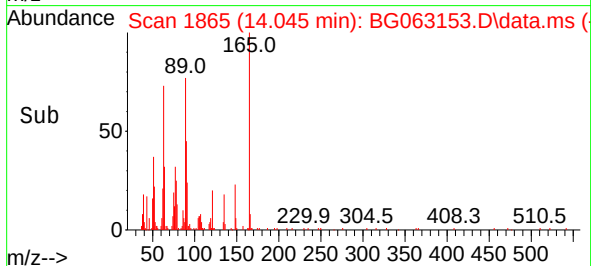
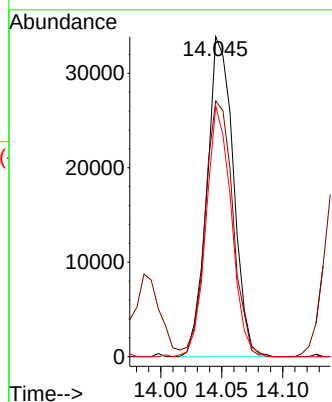
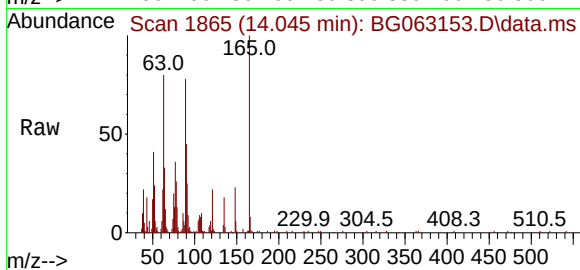
Tgt Ion:165 Resp: 50972

Ion Ratio Lower Upper

165 100

63 79.9 63.8 95.8

89 78.3 55.1 82.7



#52

Acenaphthene

Concen: 10.740 ng

RT: 14.539 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

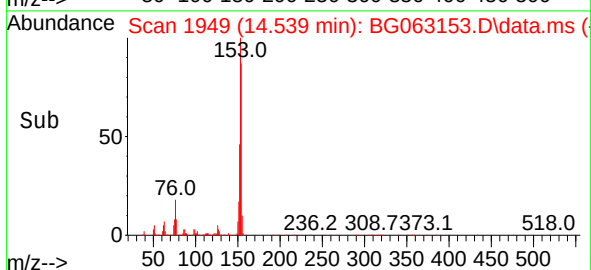
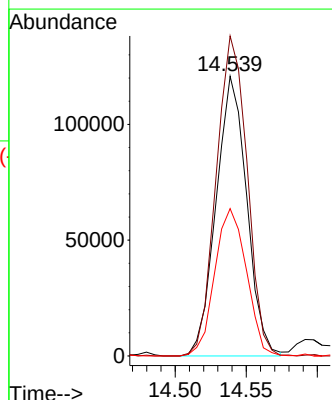
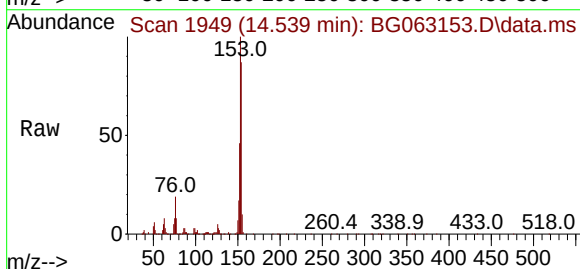
Tgt Ion:154 Resp: 181174

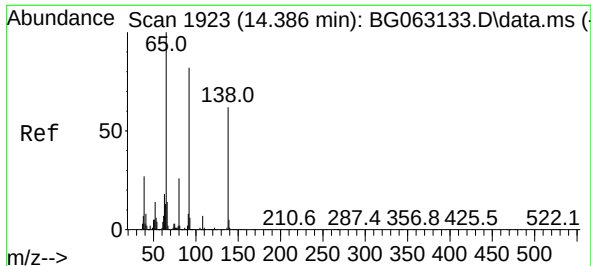
Ion Ratio Lower Upper

154 100

153 114.4 93.1 139.7

152 52.7 42.2 63.2

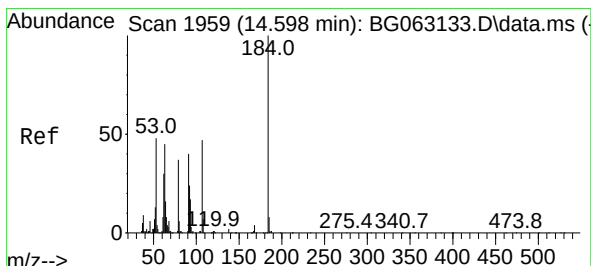
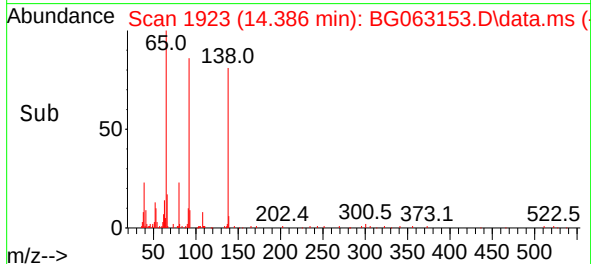
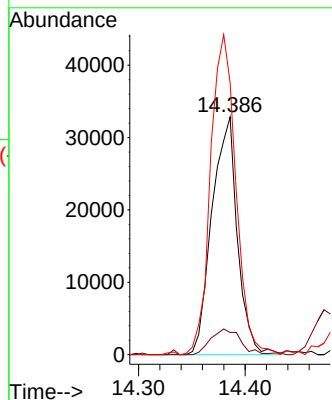
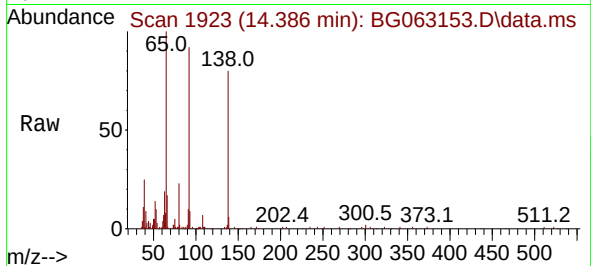




#53
3-Nitroaniline
Concen: 11.065 ng
RT: 14.386 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

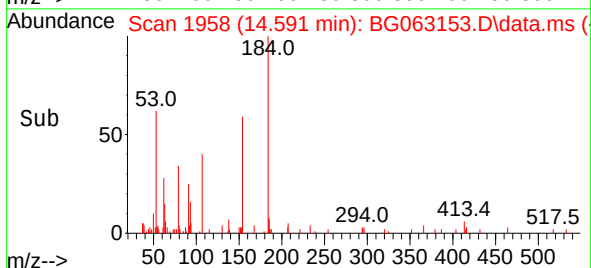
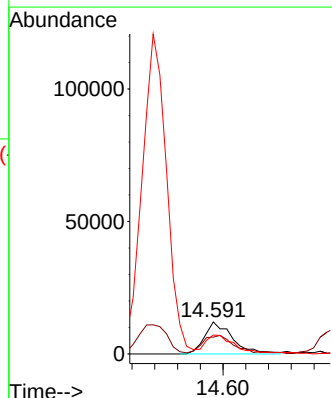
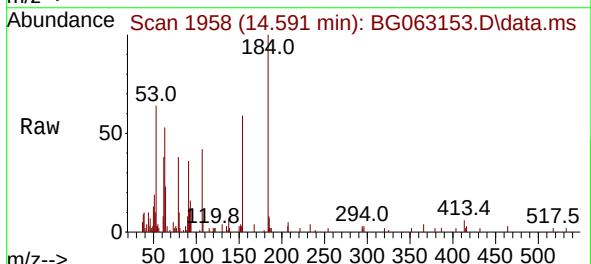
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

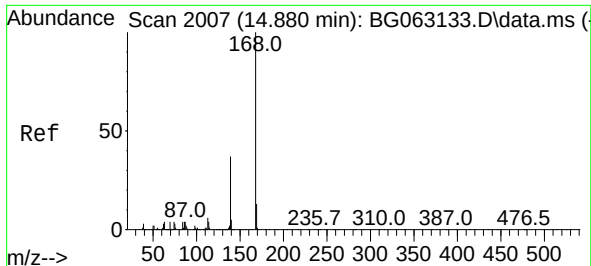
Tgt Ion:138 Resp: 54281
Ion Ratio Lower Upper
138 100
108 9.3 9.4 14.0#
92 114.4 106.2 159.2



#54
2,4-Dinitrophenol
Concen: 6.539 ng
RT: 14.591 min Scan# 1958
Delta R.T. -0.007 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:184 Resp: 20607
Ion Ratio Lower Upper
184 100
63 52.6 58.5 87.7#
154 58.9 60.6 90.8#

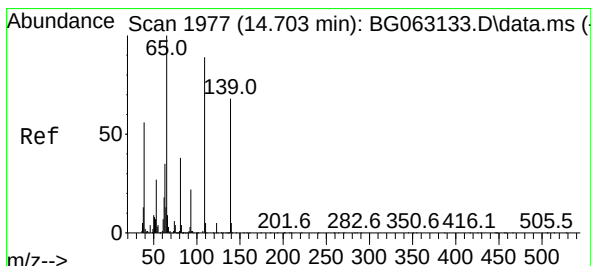
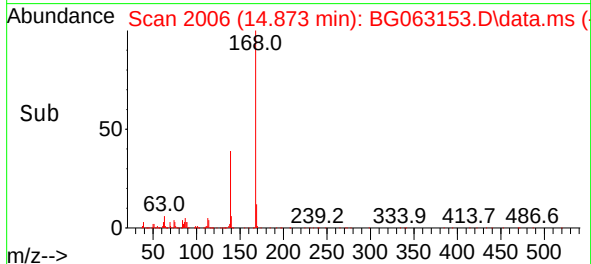
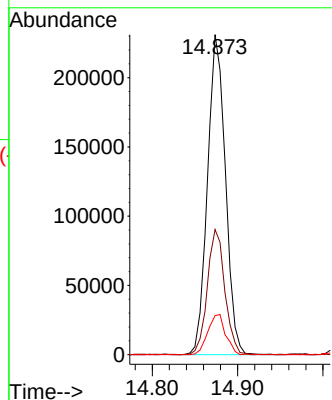
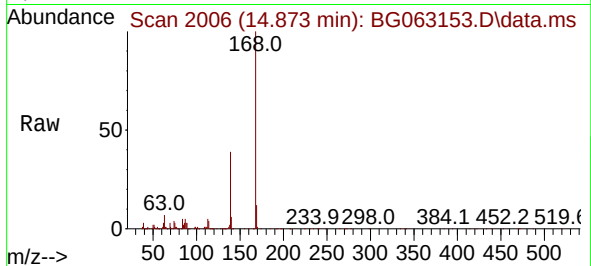




#55
Dibenzofuran
Concen: 11.329 ng
RT: 14.873 min Scan# 20
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

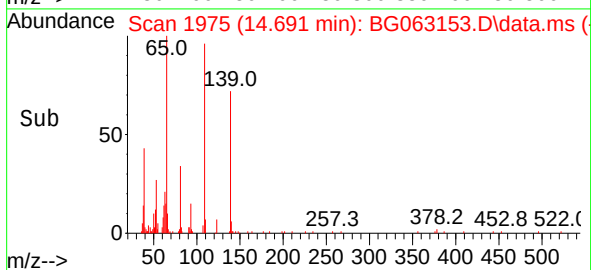
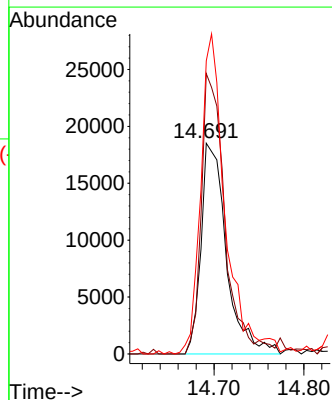
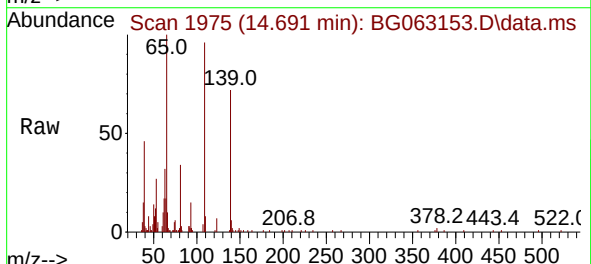
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

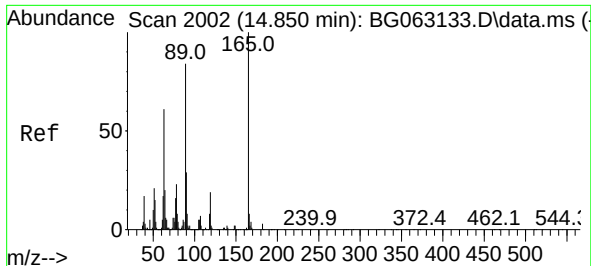
Tgt Ion:168 Resp: 336979
Ion Ratio Lower Upper
168 100
139 39.1 29.9 44.9
169 12.2 10.4 15.6



#56
4-Nitrophenol
Concen: 9.800 ng
RT: 14.691 min Scan# 1975
Delta R.T. -0.012 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:139 Resp: 36399
Ion Ratio Lower Upper
139 100
109 133.1 112.0 152.0
65 139.1 127.6 167.6

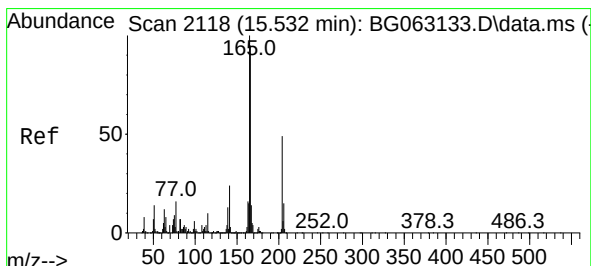
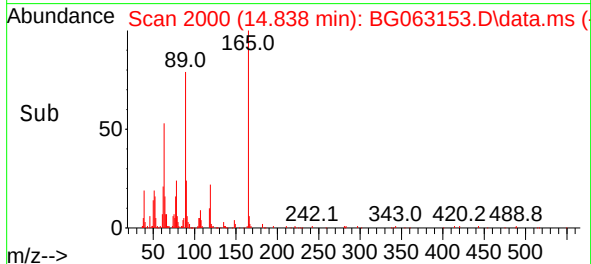
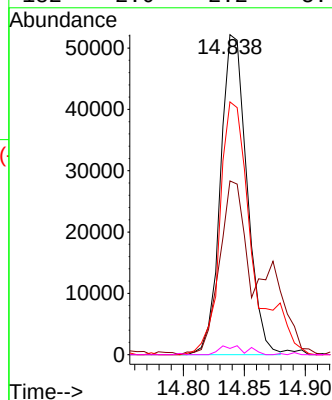
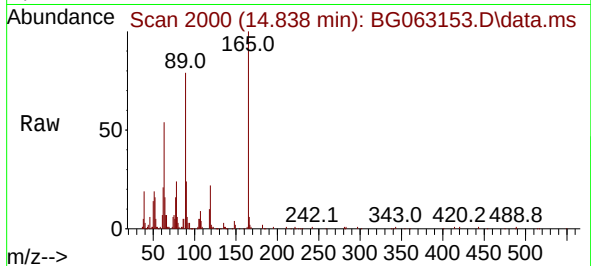




#57
2,4-Dinitrotoluene
Concen: 10.680 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.012 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

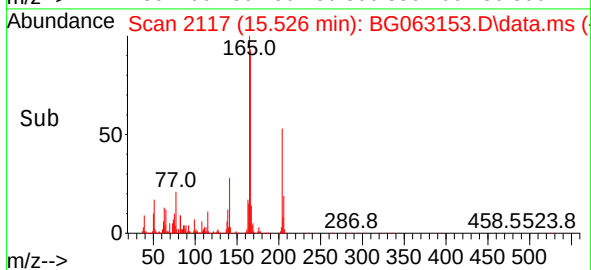
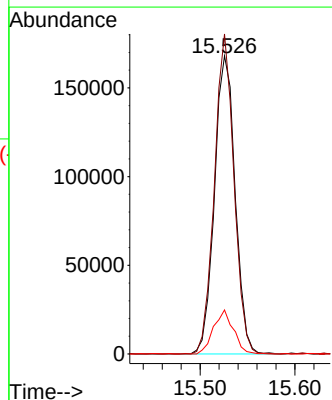
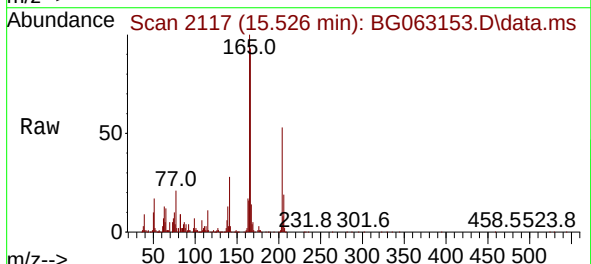
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

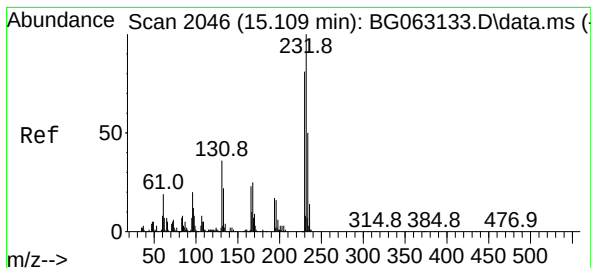
Tgt Ion:165 Resp: 78926
Ion Ratio Lower Upper
165 100
63 54.3 49.0 73.4
89 79.0 67.4 101.0
182 2.0 2.2 3.4#



#58
Fluorene
Concen: 10.796 ng
RT: 15.526 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:166 Resp: 254481
Ion Ratio Lower Upper
166 100
165 107.3 84.1 126.1
167 14.8 11.6 17.4

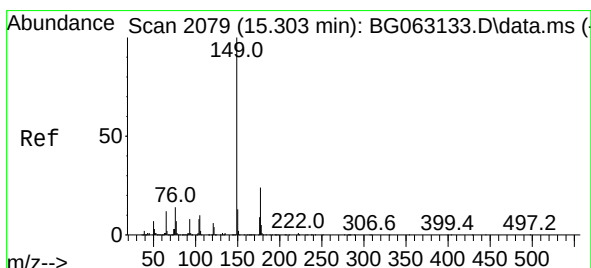
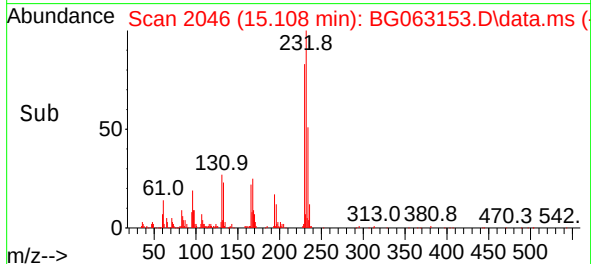
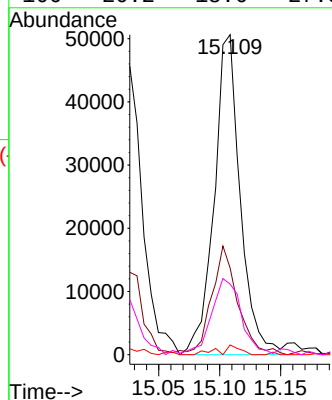
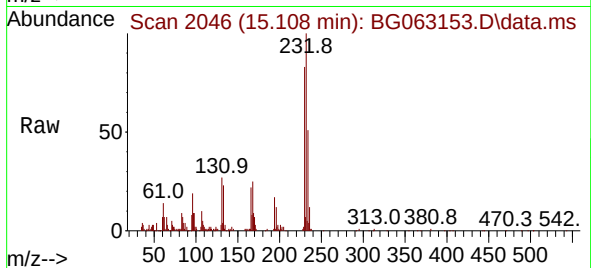




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.772 ng
RT: 15.108 min Scan# 2046
Delta R.T. -0.000 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

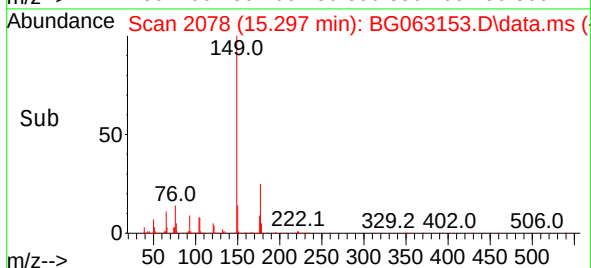
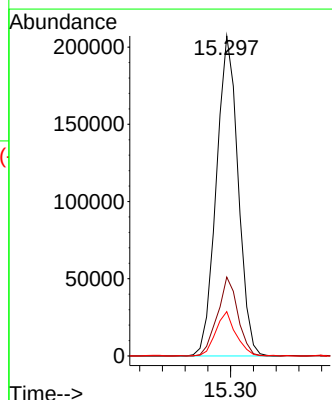
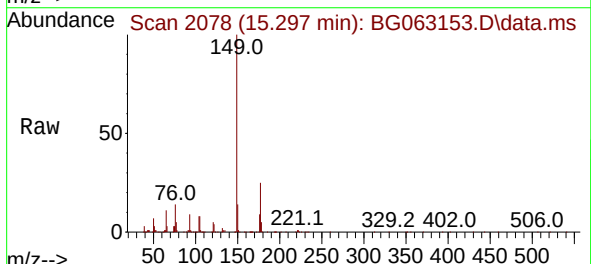
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

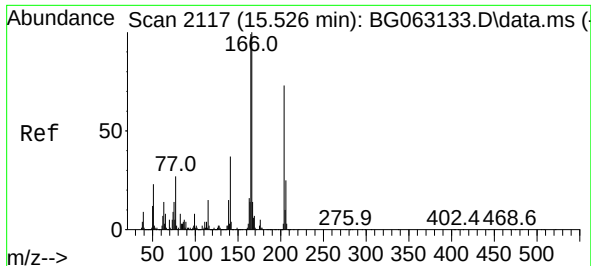
Tgt Ion:	232	Resp:	75322
Ion Ratio	Lower	Upper	
232	100		
131	34.4	26.8	40.2
130	2.4	1.8	2.8
166	26.2	18.6	27.8



#60
Diethylphthalate
Concen: 11.086 ng
RT: 15.297 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:	149	Resp:	275480
Ion Ratio	Lower	Upper	
149	100		
177	24.6	18.8	28.2
150	13.8	10.2	15.4

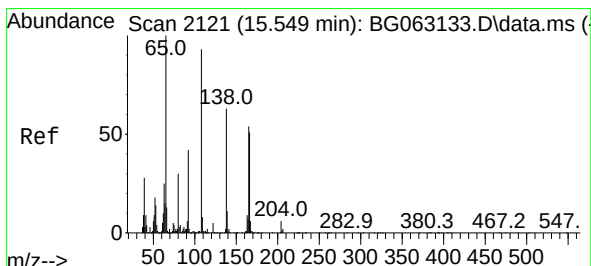
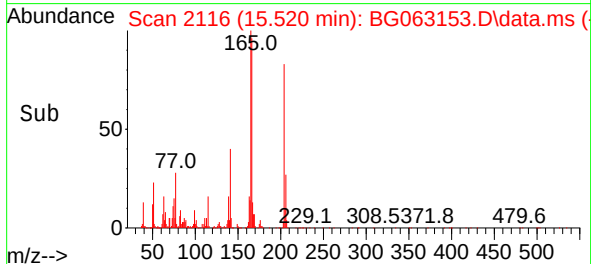
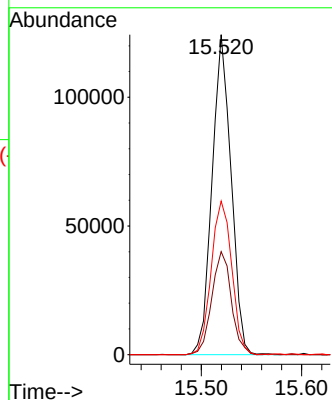
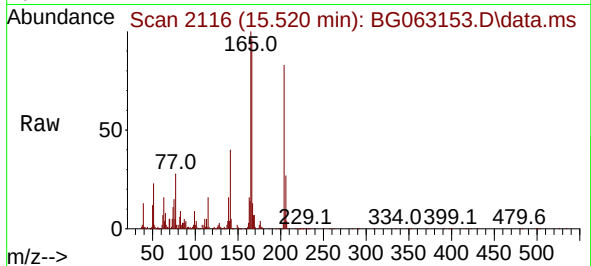




#61
4-Chlorophenyl-phenylether
Concen: 11.169 ng
RT: 15.520 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

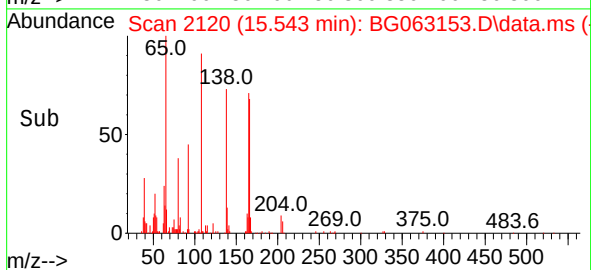
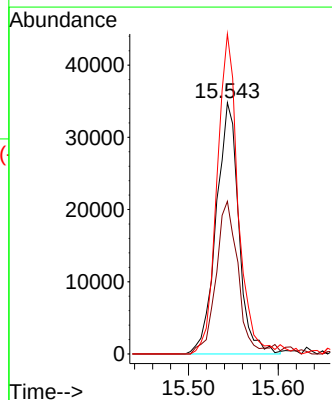
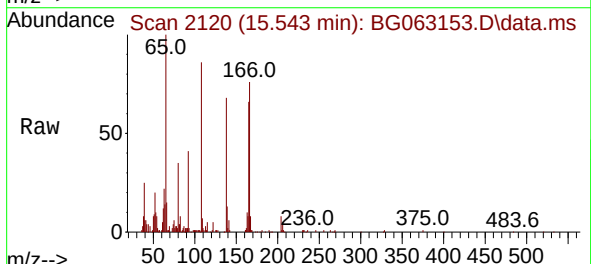
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

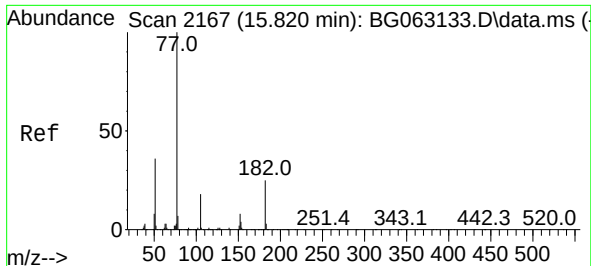
Tgt Ion:204 Resp: 163629
Ion Ratio Lower Upper
204 100
206 32.2 27.0 40.4
141 48.0 41.0 61.4



#62
4-Nitroaniline
Concen: 11.209 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:138 Resp: 60670
Ion Ratio Lower Upper
138 100
92 60.8 46.2 86.2
108 127.4 126.8 166.8

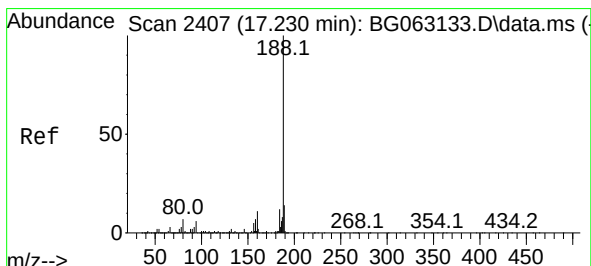
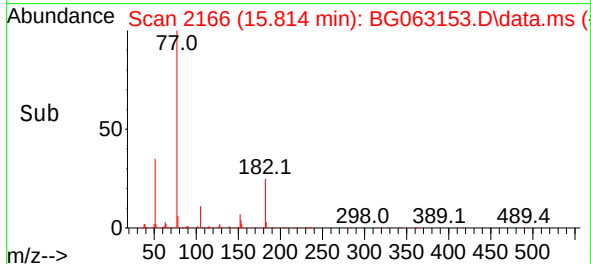
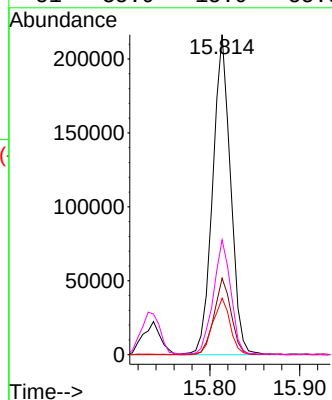
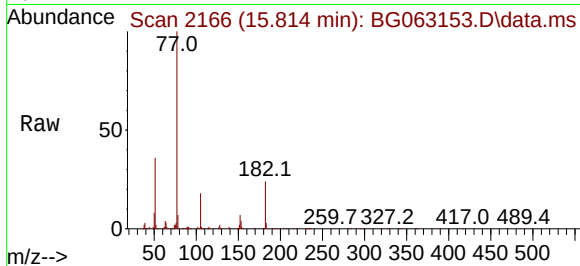




#63
Azobenzene
Concen: 11.615 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

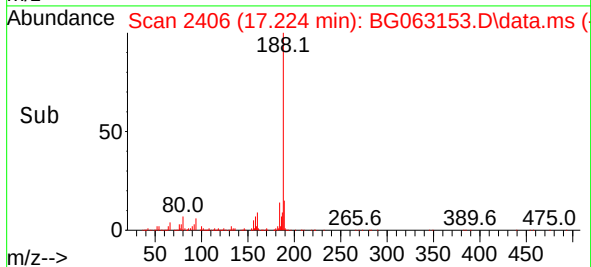
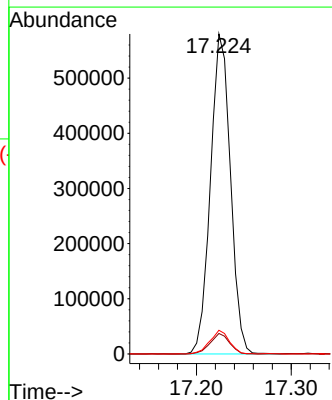
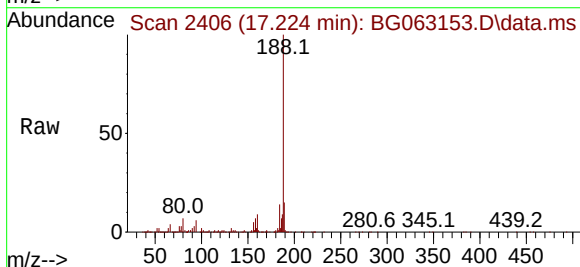
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

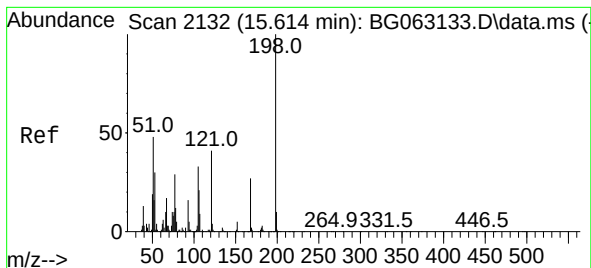
Tgt Ion:	77	Resp:	298534
Ion	Ratio	Lower	Upper
77	100		
182	23.9	5.4	45.4
105	17.7	0.0	37.5
51	35.9	15.9	55.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:	188	Resp:	847739
Ion	Ratio	Lower	Upper
188	100		
94	6.4	4.8	7.2
80	7.4	5.9	8.9

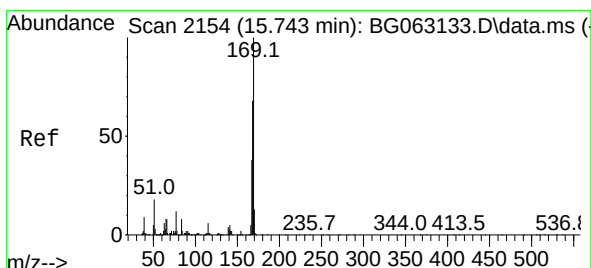
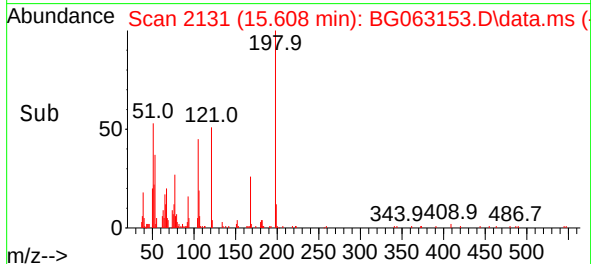
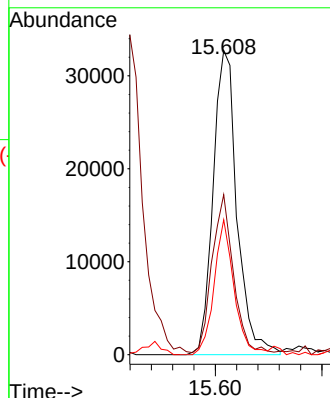
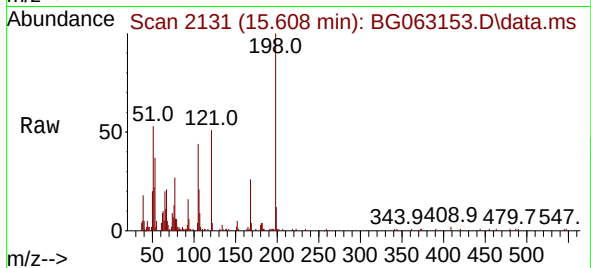




#65
4,6-Dinitro-2-methylphenol
Concen: 9.334 ng
RT: 15.608 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

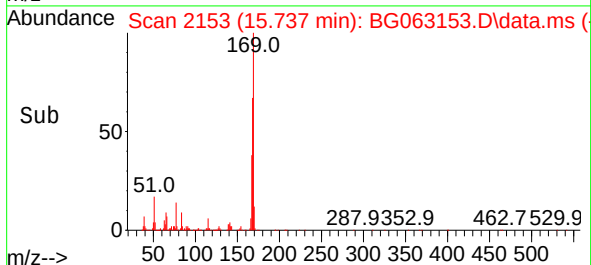
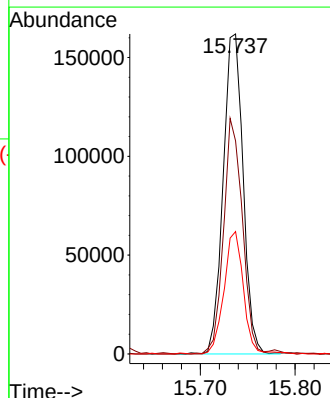
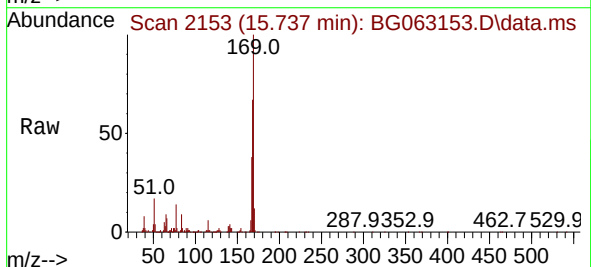
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

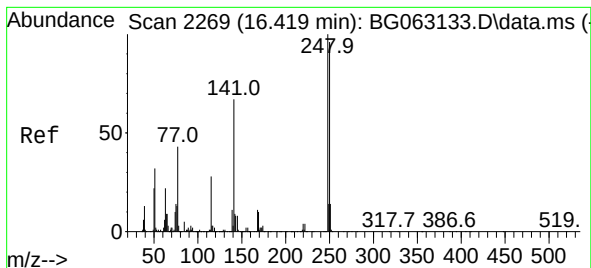
Tgt Ion:198 Resp: 50875
Ion Ratio Lower Upper
198 100
51 52.6 30.3 70.3
105 44.4 13.6 53.6



#66
n-Nitrosodiphenylamine
Concen: 11.208 ng
RT: 15.737 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:169 Resp: 237041
Ion Ratio Lower Upper
169 100
168 66.6 54.8 82.2
167 38.3 30.2 45.4

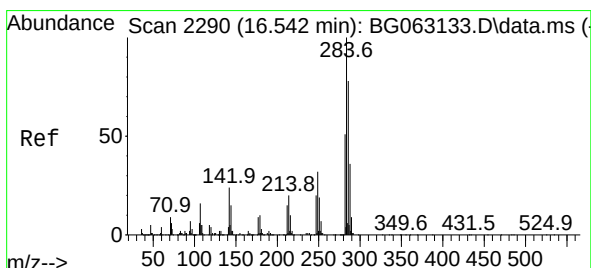
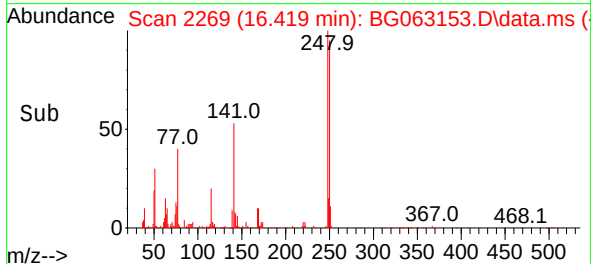
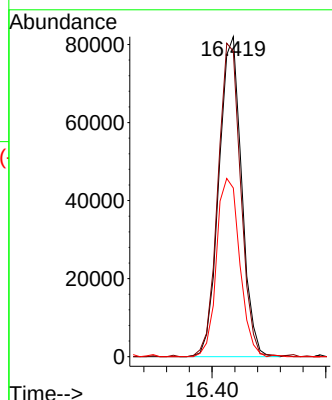
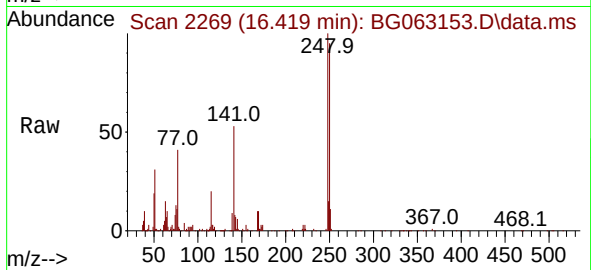




#67
4-Bromophenyl-phenylether
Concen: 10.927 ng
RT: 16.419 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

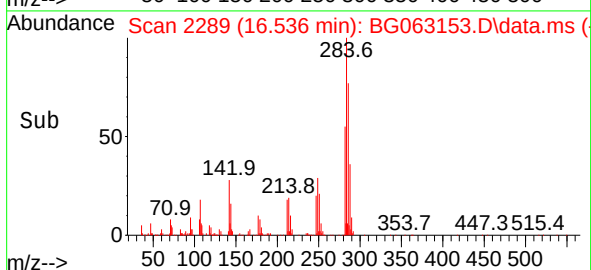
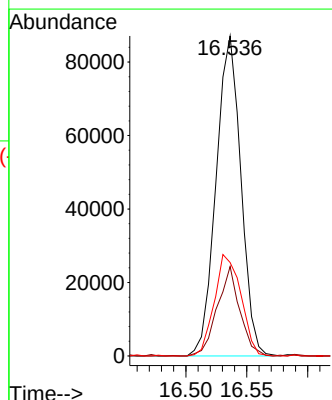
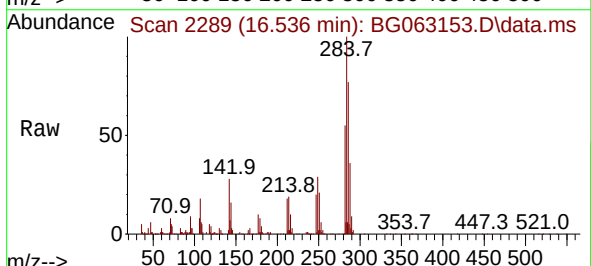
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

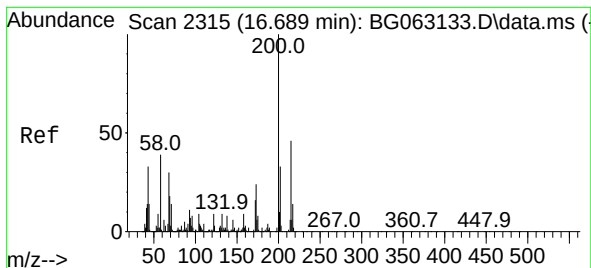
Tgt Ion:248 Resp: 113526
Ion Ratio Lower Upper
248 100
250 95.4 76.6 115.0
141 52.7 53.9 80.9#



#68
Hexachlorobenzene
Concen: 10.253 ng
RT: 16.536 min Scan# 2289
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:284 Resp: 123404
Ion Ratio Lower Upper
284 100
142 28.0 19.0 28.6
249 29.2 25.8 38.8





#69

Atrazine

Concen: 11.060 ng

RT: 16.683 min Scan# 2315

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

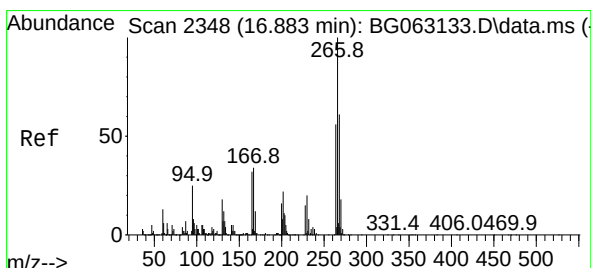
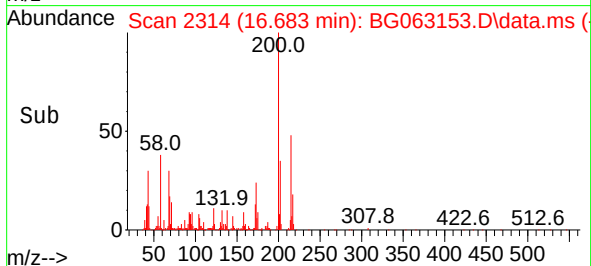
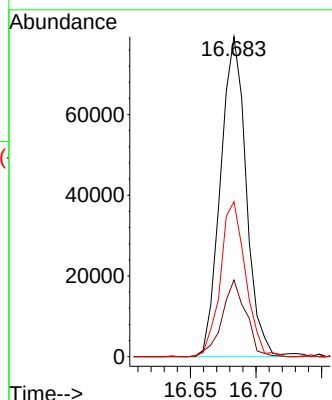
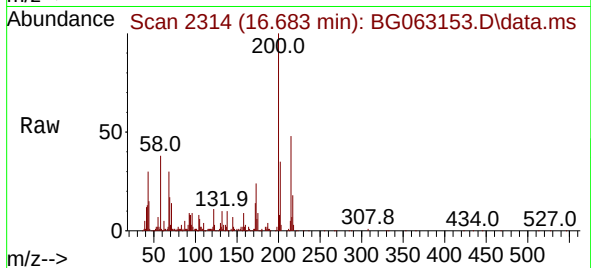
Tgt Ion:200 Resp: 107530

Ion Ratio Lower Upper

200 100

173 24.0 3.6 43.6

215 48.5 25.8 65.8



#70

Pentachlorophenol

Concen: 7.855 ng

RT: 16.877 min Scan# 2347

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

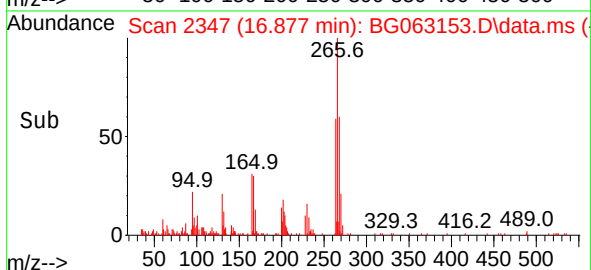
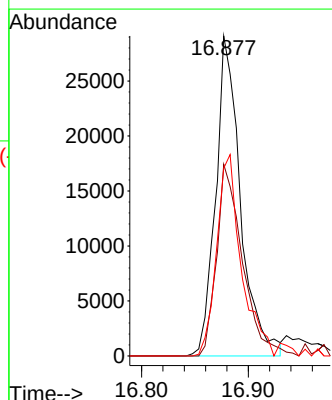
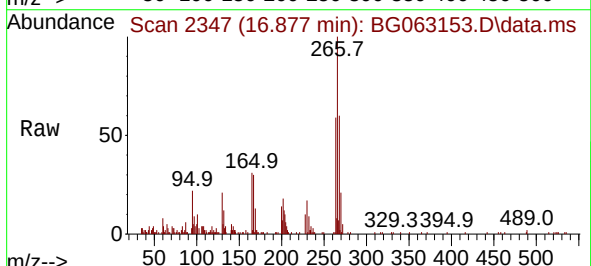
Tgt Ion:266 Resp: 47036

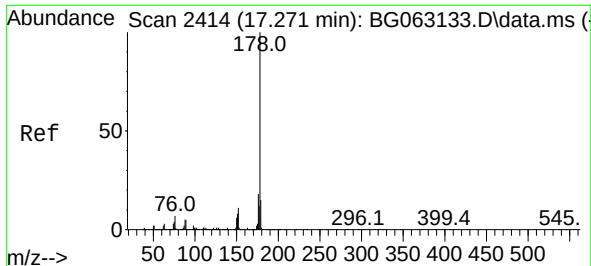
Ion Ratio Lower Upper

266 100

268 61.6 48.8 73.2

264 58.6 45.0 67.4

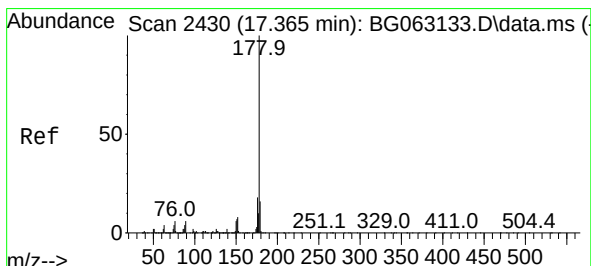
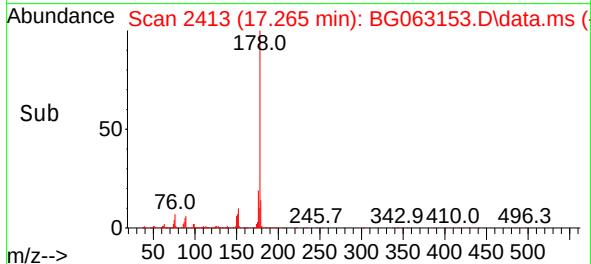
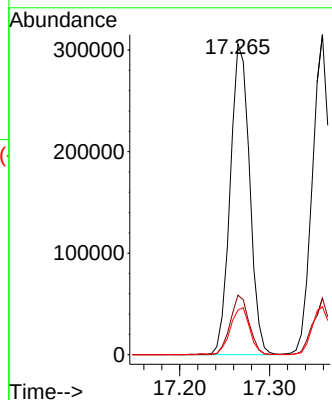
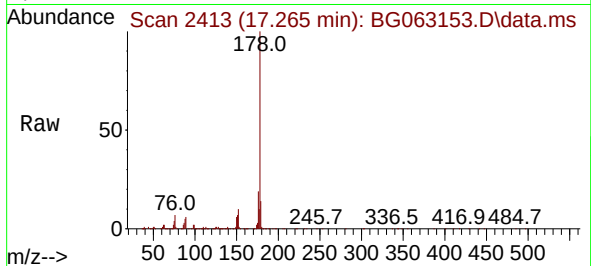




#71
Phenanthrene
Concen: 11.156 ng
RT: 17.265 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

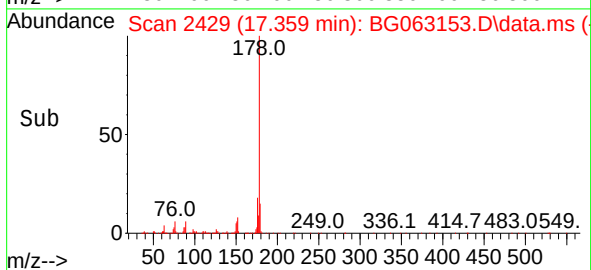
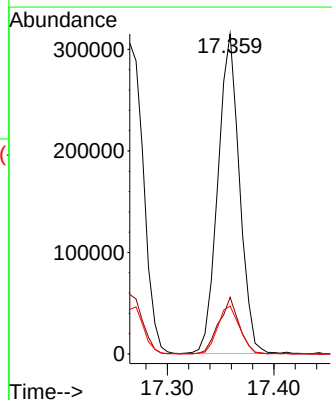
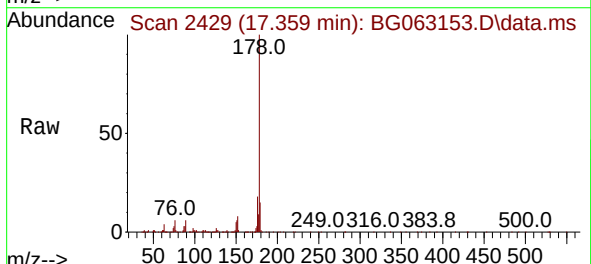
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

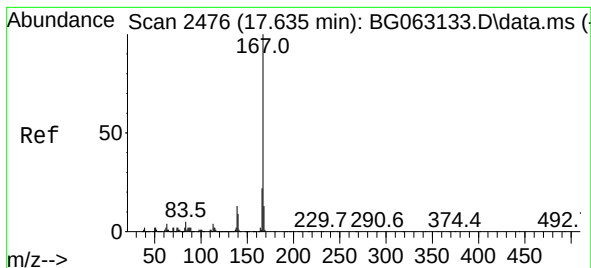
Tgt Ion:178 Resp: 458486
Ion Ratio Lower Upper
178 100
176 19.1 14.6 22.0
179 14.3 12.3 18.5



#72
Anthracene
Concen: 10.950 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:178 Resp: 441700
Ion Ratio Lower Upper
178 100
176 17.7 14.6 22.0
179 15.0 12.4 18.6





#73

Carbazole

Concen: 10.625 ng

RT: 17.629 min Scan# 2475

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

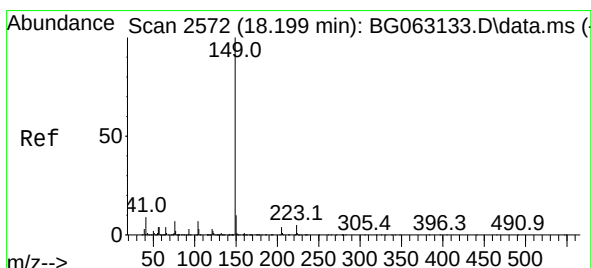
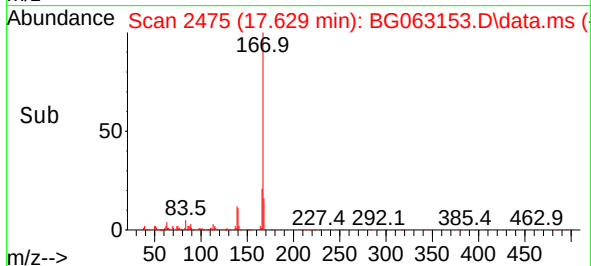
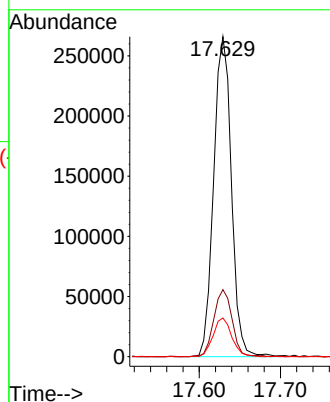
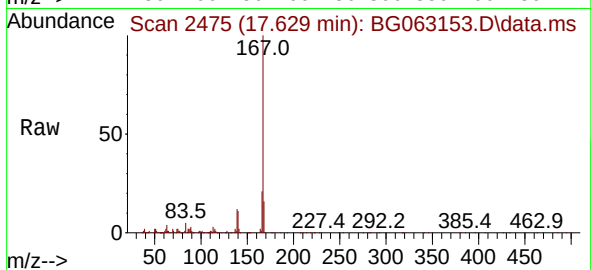
Tgt Ion:167 Resp: 403458

Ion Ratio Lower Upper

167 100

166 20.9 17.4 26.2

139 12.1 10.3 15.5



#74

Di-n-butylphthalate

Concen: 10.553 ng

RT: 18.193 min Scan# 2571

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

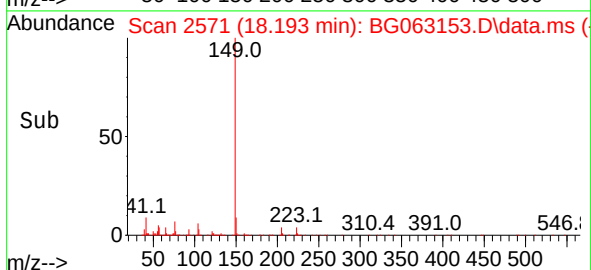
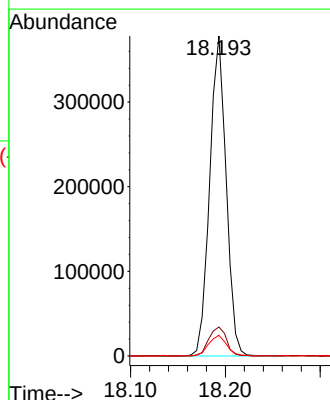
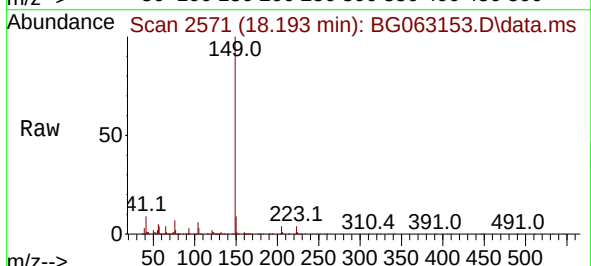
Tgt Ion:149 Resp: 454970

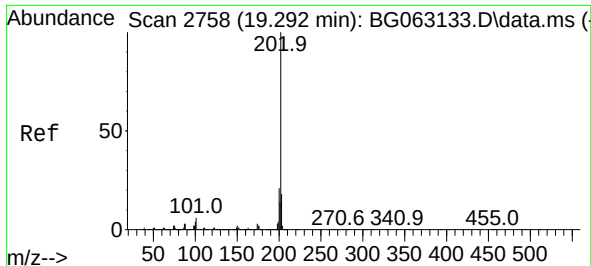
Ion Ratio Lower Upper

149 100

150 9.1 7.8 11.8

104 6.4 5.4 8.0

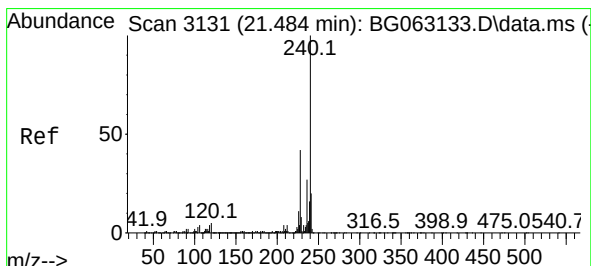
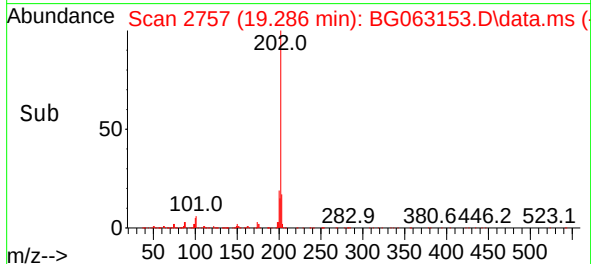
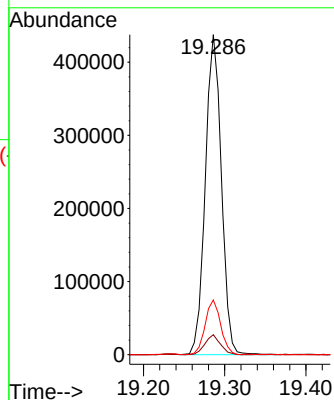
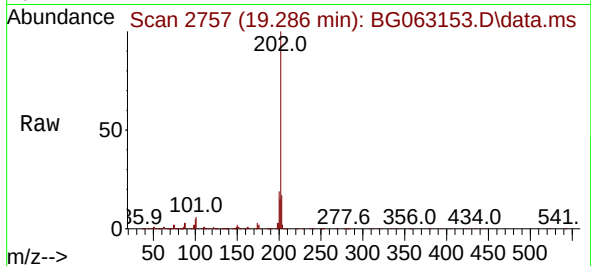




#75
Fluoranthene
Concen: 10.312 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

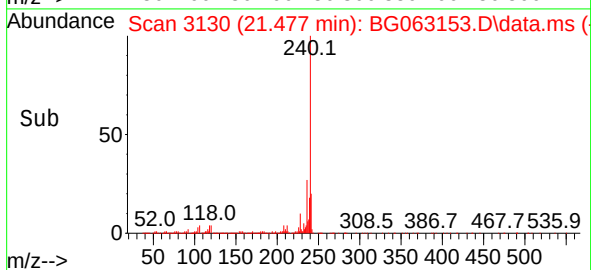
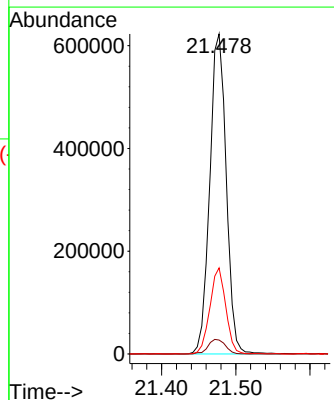
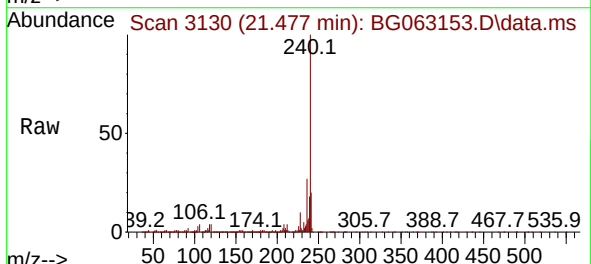
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

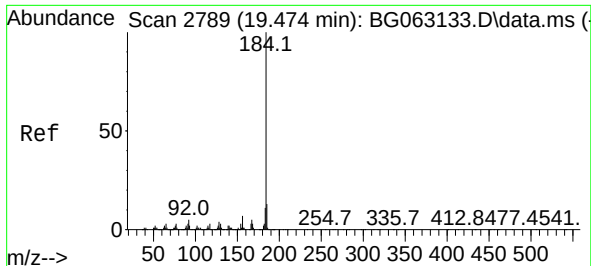
Tgt Ion:202 Resp: 599880
Ion Ratio Lower Upper
202 100
101 6.3 0.0 25.8
203 17.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:240 Resp: 961496
Ion Ratio Lower Upper
240 100
120 4.3 3.9 5.9
236 26.9 21.4 32.2

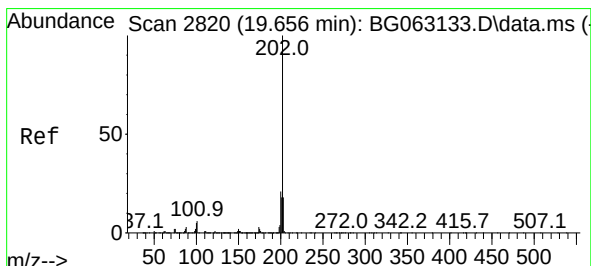
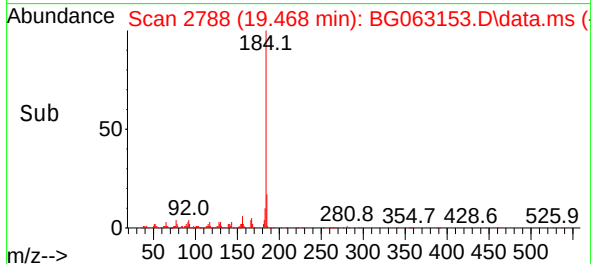
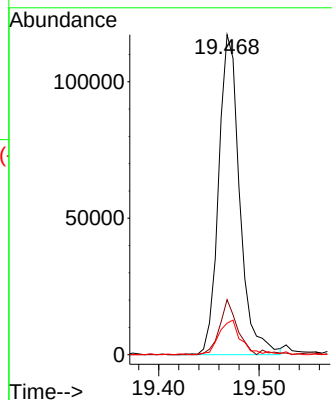
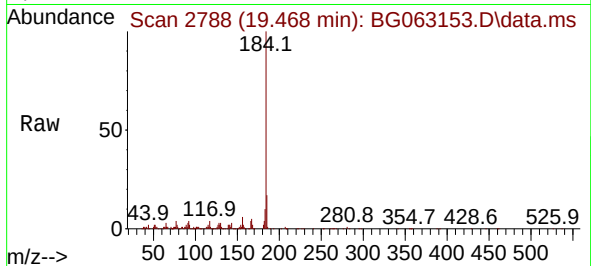




#77
Benzidine
Concen: 11.512 ng
RT: 19.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

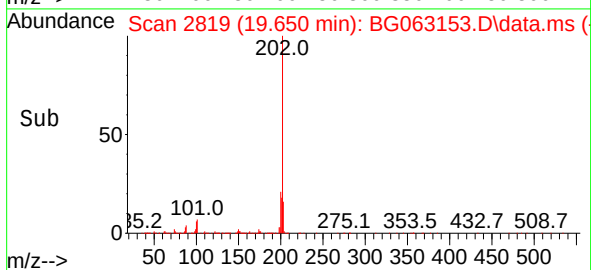
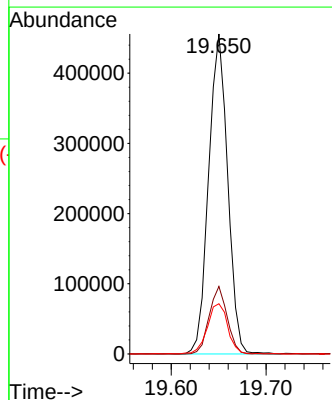
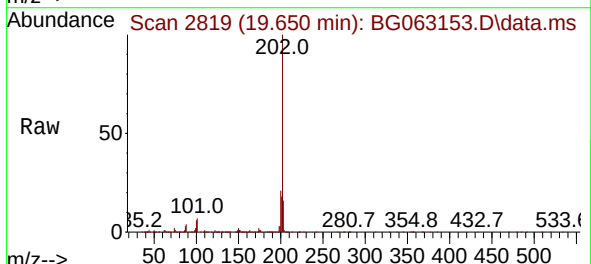
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

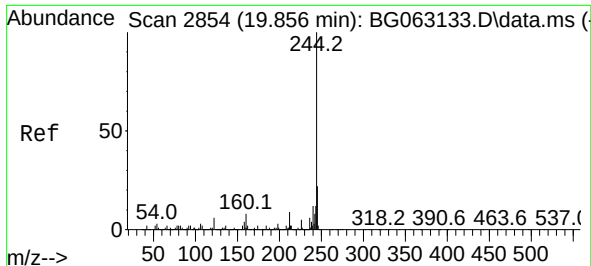
Tgt Ion:184 Resp: 170548
Ion Ratio Lower Upper
184 100
185 17.2 10.6 16.0#
183 9.9 8.6 12.8



#78
Pyrene
Concen: 11.132 ng
RT: 19.650 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BG063153.D
Acq: 4 Nov 2024 12:43

Tgt Ion:202 Resp: 634512
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 15.7 14.2 21.2





#79

Terphenyl-d14

Concen: 77.469 ng

RT: 19.856 min Scan# 2

Delta R.T. -0.000 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

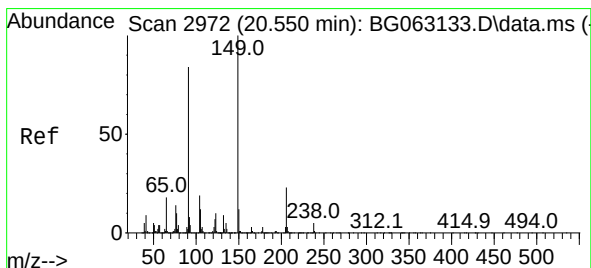
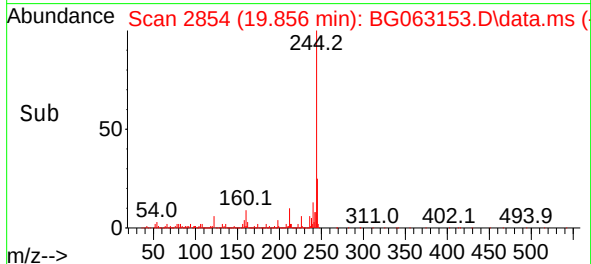
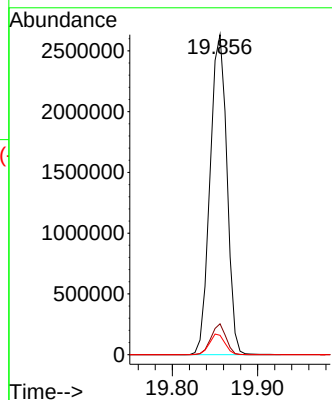
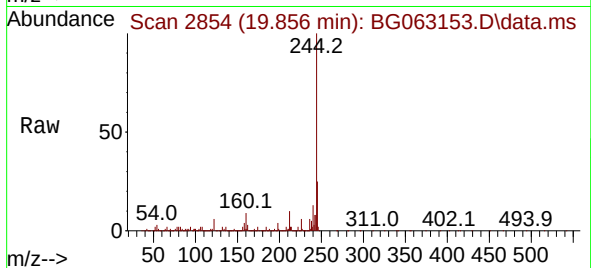
Tgt Ion:244 Resp: 3619613

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

122 6.1 4.8 7.2



#80

Butylbenzylphthalate

Concen: 11.015 ng

RT: 20.543 min Scan# 2971

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

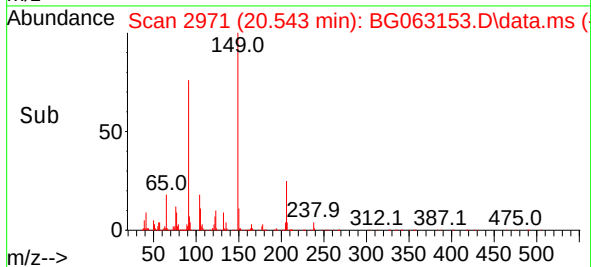
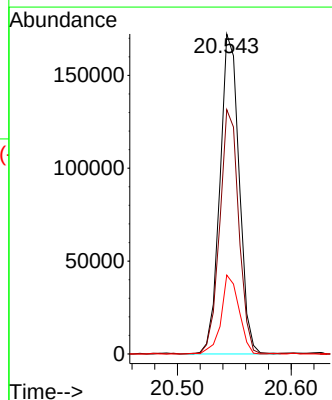
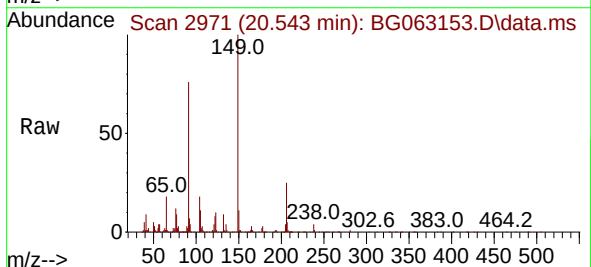
Tgt Ion:149 Resp: 202275

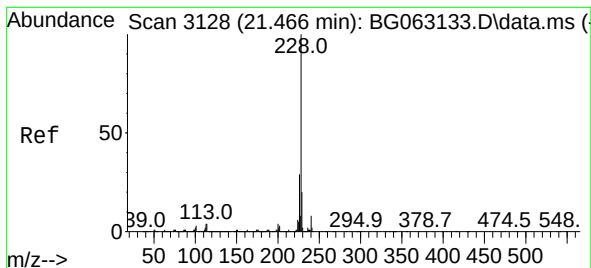
Ion Ratio Lower Upper

149 100

91 76.3 67.3 100.9

206 24.7 18.8 28.2





#81

Benzo(a)anthracene

Concen: 11.335 ng

RT: 21.460 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

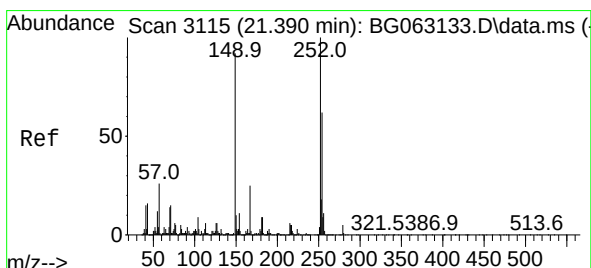
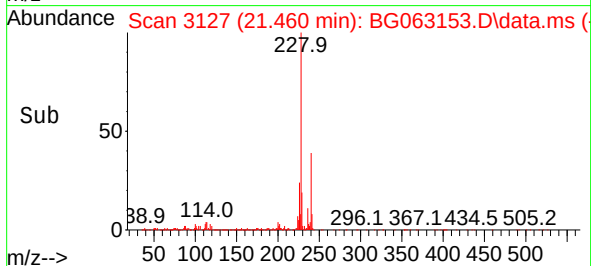
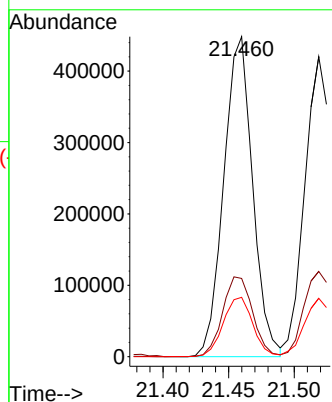
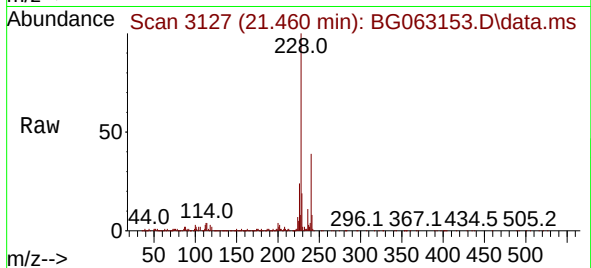
Tgt Ion:228 Resp: 686321

Ion Ratio Lower Upper

228 100

226 24.4 23.5 35.3

229 18.6 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 11.137 ng

RT: 21.378 min Scan# 3113

Delta R.T. -0.012 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

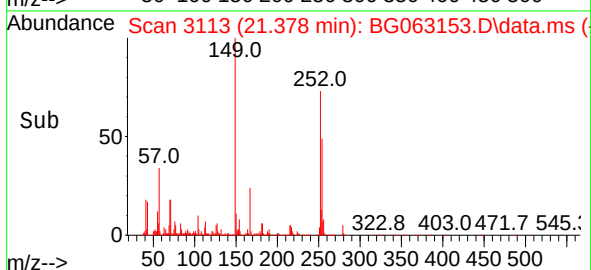
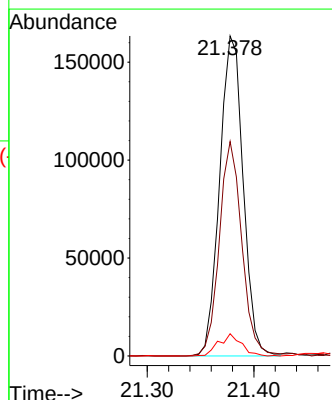
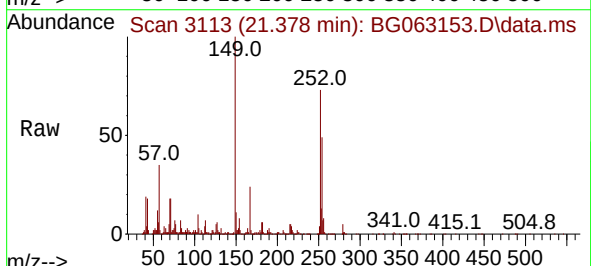
Tgt Ion:252 Resp: 250019

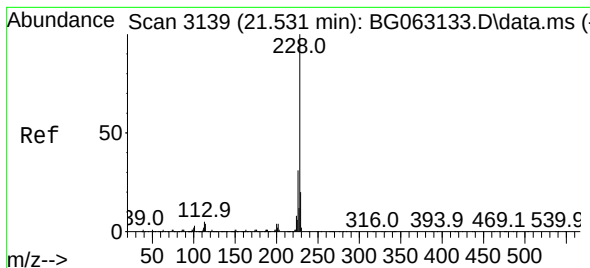
Ion Ratio Lower Upper

252 100

254 67.0 49.4 74.2

126 7.0 4.8 7.2





#83

Chrysene

Concen: 11.302 ng

RT: 21.519 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

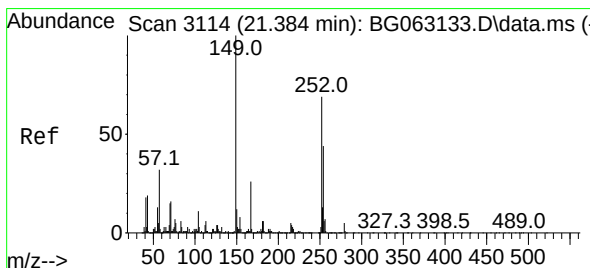
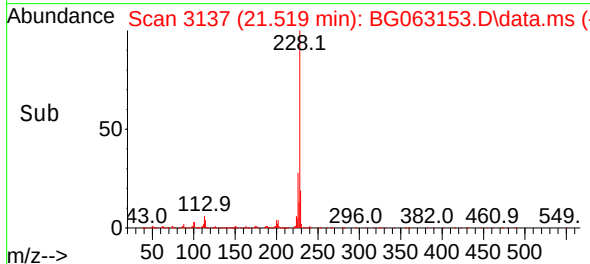
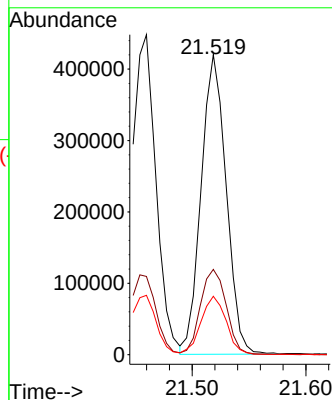
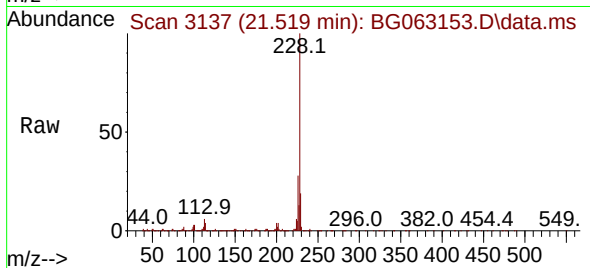
Tgt Ion:228 Resp: 642839

Ion Ratio Lower Upper

228 100

226 28.4 24.8 37.2

229 19.5 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.807 ng

RT: 21.378 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

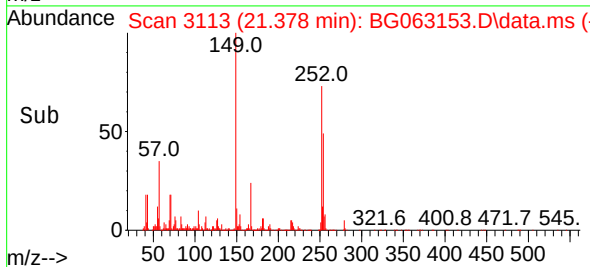
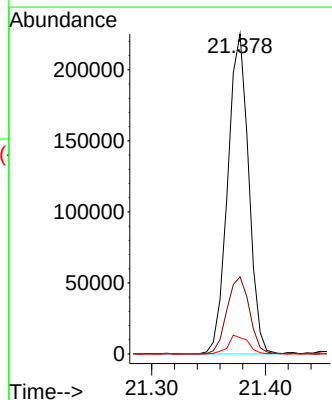
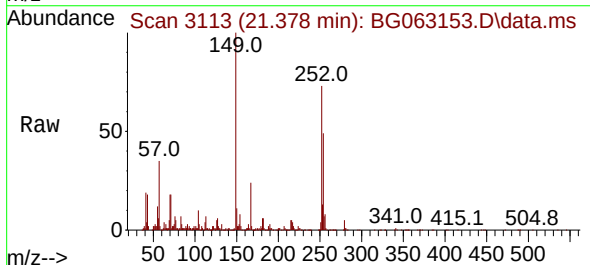
Tgt Ion:149 Resp: 287901

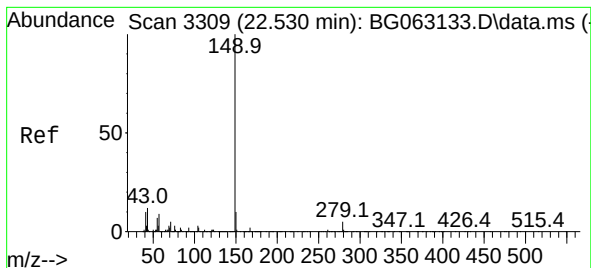
Ion Ratio Lower Upper

149 100

167 24.1 20.6 31.0

279 5.1 4.3 6.5





#85

Di-n-octyl phthalate

Concen: 10.798 ng

RT: 22.517 min Scan# 3

Delta R.T. -0.012 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

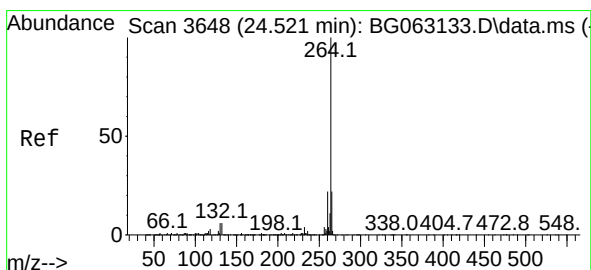
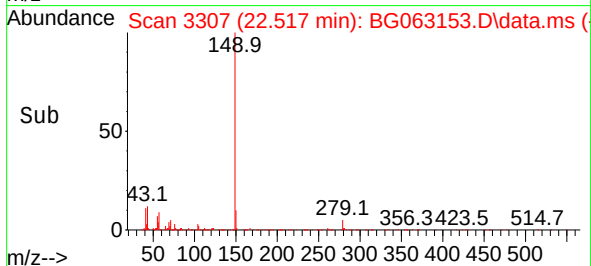
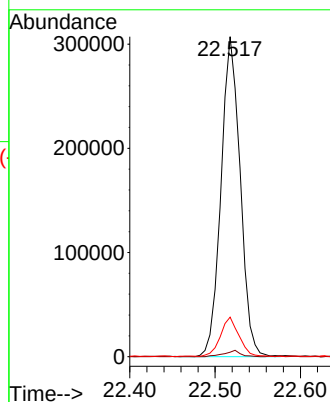
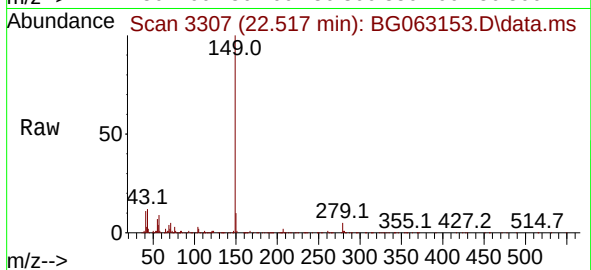
Tgt Ion:149 Resp: 481285

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 11.7 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.509 min Scan# 3646

Delta R.T. -0.012 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

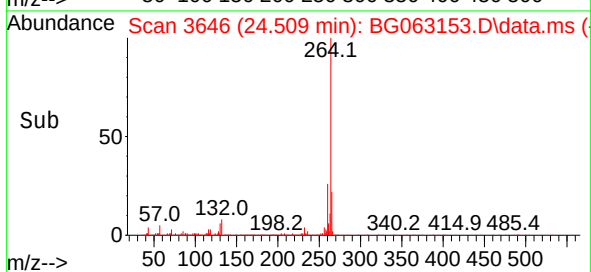
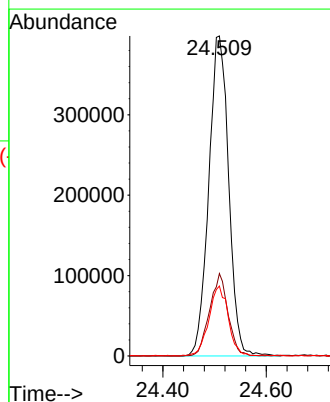
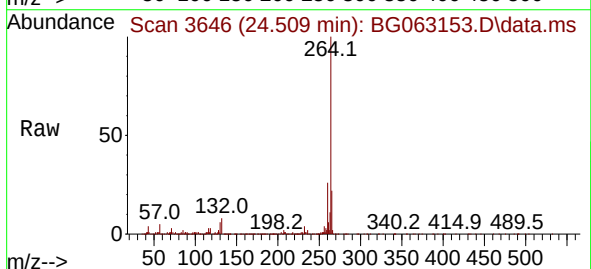
Tgt Ion:264 Resp: 1062308

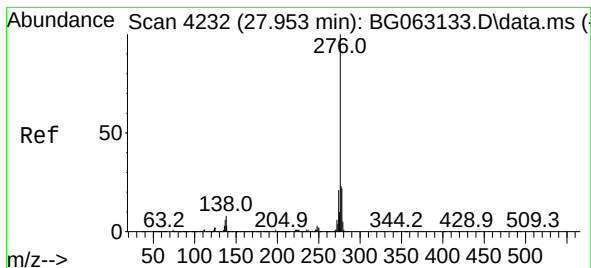
Ion Ratio Lower Upper

264 100

260 25.8 17.4 26.2

265 21.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.351 ng

RT: 27.923 min Scan# 41

Delta R.T. -0.030 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

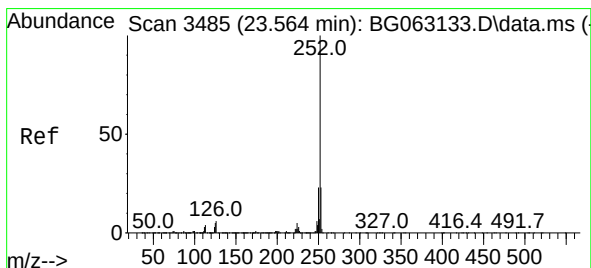
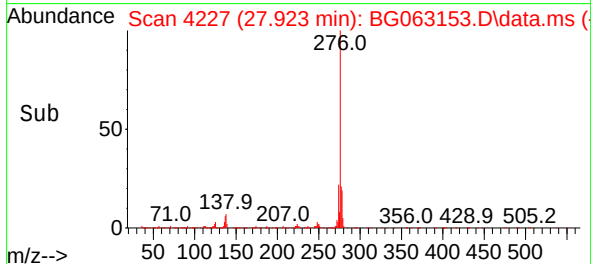
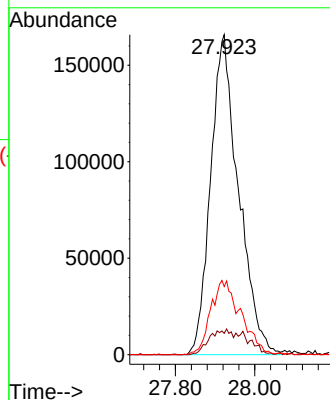
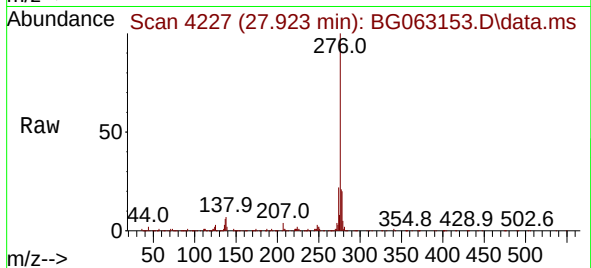
Tgt Ion:276 Resp: 809305

Ion Ratio Lower Upper

276 100

138 4.4 8.3 12.5#

277 25.1 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 10.642 ng

RT: 23.546 min Scan# 3482

Delta R.T. -0.018 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

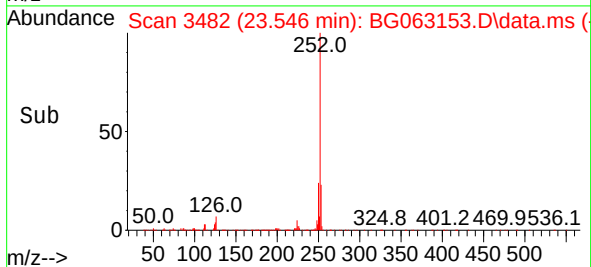
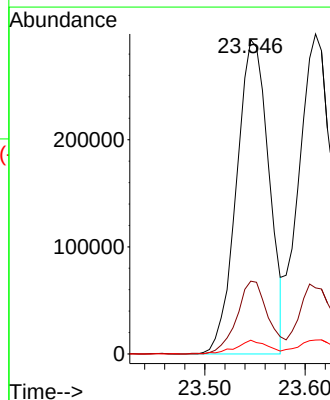
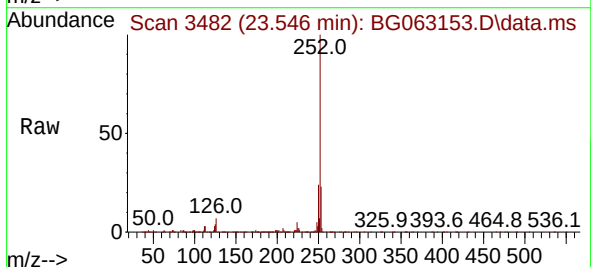
Tgt Ion:252 Resp: 659107

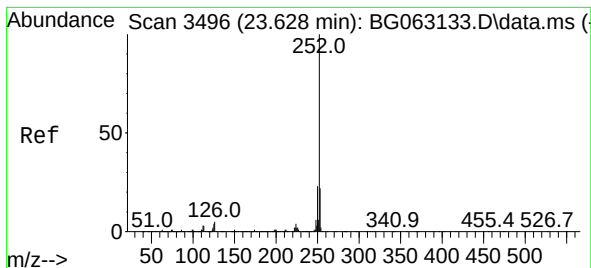
Ion Ratio Lower Upper

252 100

253 23.2 18.7 28.1

125 4.4 3.6 5.4





#89

Benzo(k)fluoranthene

Concen: 11.777 ng

RT: 23.610 min Scan# 3493

Delta R.T. -0.018 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

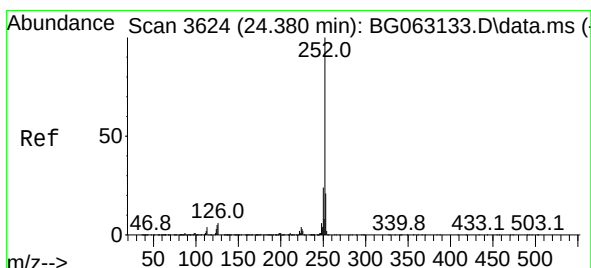
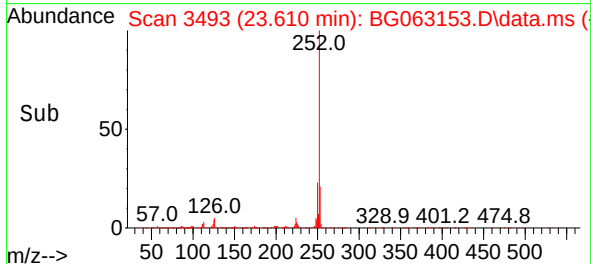
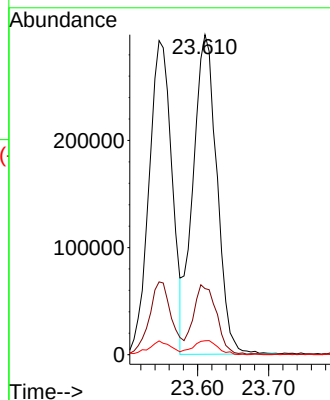
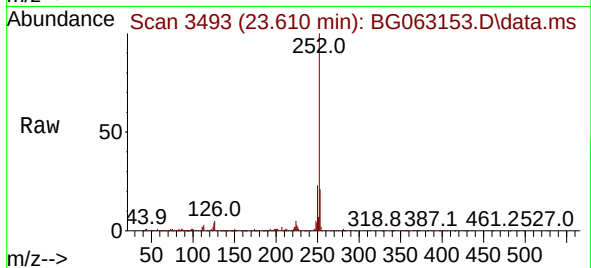
Tgt Ion:252 Resp: 695886

Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.2

125 4.3 3.0 4.6



#90

Benzo(a)pyrene

Concen: 11.547 ng

RT: 24.362 min Scan# 3621

Delta R.T. -0.018 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

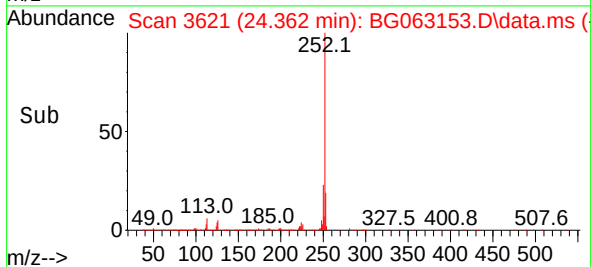
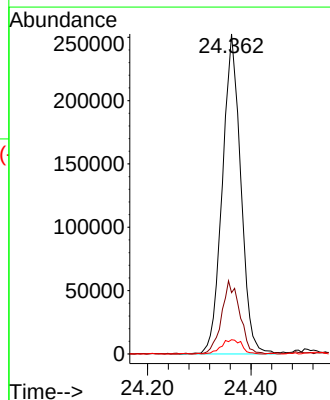
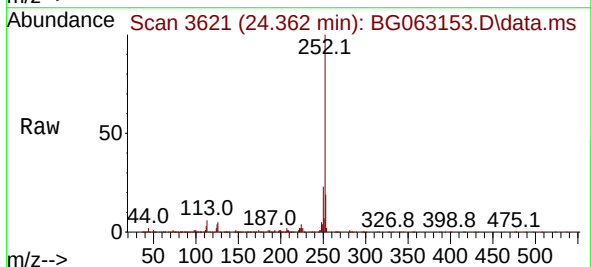
Tgt Ion:252 Resp: 624239

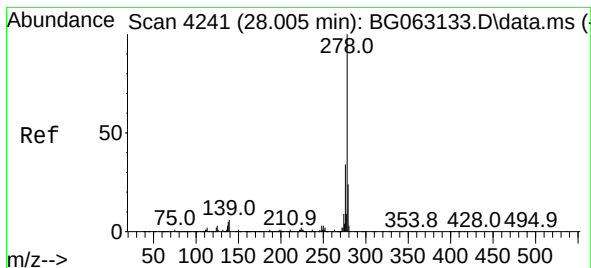
Ion Ratio Lower Upper

252 100

253 19.2 16.9 25.3

125 4.4 3.7 5.5





#91

Dibenzo(a,h)anthracene

Concen: 11.016 ng

RT: 27.970 min Scan# 41

Delta R.T. -0.036 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

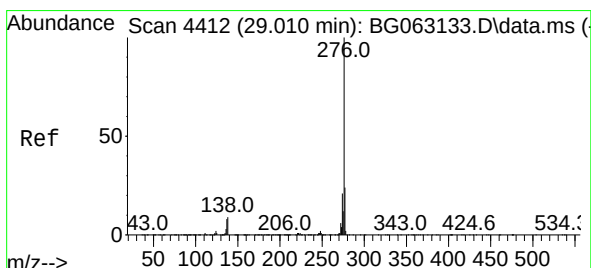
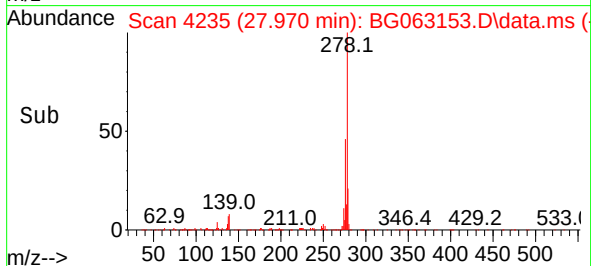
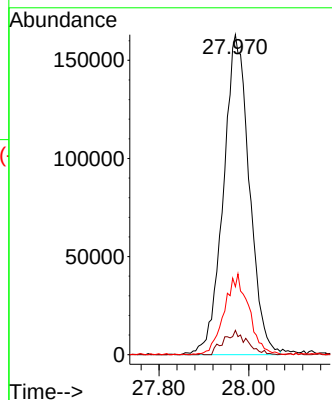
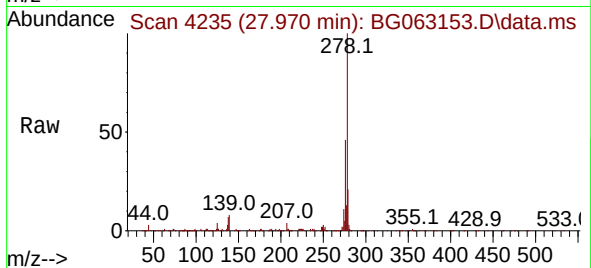
Tgt Ion:278 Resp: 655588

Ion Ratio Lower Upper

278 100

139 7.6 5.0 7.6#

279 21.2 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 10.546 ng

RT: 28.986 min Scan# 4408

Delta R.T. -0.024 min

Lab File: BG063153.D

Acq: 4 Nov 2024 12:43

Tgt Ion:276 Resp: 620367

Ion Ratio Lower Upper

276 100

277 22.9 19.3 28.9

138 11.7 7.0 10.4#

