

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110424\
 Data File : BG063152.D
 Acq On : 4 Nov 2024 12:04
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL 5 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 04 11:43:26 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	7.847	152	110490	20.000	ng	0.00
21) Naphthalene-d8	10.632	136	460110	20.000	ng	# 0.00
39) Acenaphthene-d10	14.475	164	340534	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	849679	20.000	ng	0.00
76) Chrysene-d12	21.478	240	1058119	20.000	ng	0.00
86) Perylene-d12	24.504	264	1173672	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.432	112	776958	109.039	ng	0.00
7) Phenol-d6	7.019	99	1054192	112.899	ng	0.00
23) Nitrobenzene-d5	8.999	82	823552	77.848	ng	0.00
42) 2,4,6-Tribromophenol	15.967	330	628872	108.718	ng	0.00
45) 2-Fluorobiphenyl	13.094	172	1834453	79.787	ng	0.00
79) Terphenyl-d14	19.857	244	3887493	75.605	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.358	88	14221	5.079	ng	94
3) Pyridine	3.746	79	30564	4.522	ng	94
4) n-Nitrosodimethylamine	3.664	42	21339	5.083	ng	98
6) Aniline	7.171	93	52180	6.214	ng	92
8) 2-Chlorophenol	7.412	128	32228	4.870	ng	88
9) Benzaldehyde	6.989	77	39507	6.809	ng	87
10) Phenol	7.042	94	47823	4.781	ng	96
11) bis(2-Chloroethyl)ether	7.271	93	32335	4.793	ng	90
12) 1,3-Dichlorobenzene	7.730	146	34495	4.297	ng	93
13) 1,4-Dichlorobenzene	7.882	146	37940	4.636	ng	98
14) 1,2-Dichlorobenzene	8.194	146	35292	4.473	ng	94
15) Benzyl Alcohol	8.076	79	35304	4.705	ng	88
16) 2,2'-oxybis(1-Chloropr...	8.358	45	64182	5.245	ng	98
17) 2-Methylphenol	8.288	107	27815	4.371	ng	94
18) Hexachloroethane	8.916	117	14272	4.873	ng	83
19) n-Nitroso-di-n-propyla...	8.640	70	32649	5.021	ng	# 82
20) 3+4-Methylphenols	8.617	107	37716	4.444	ng	# 84
22) Acetophenone	8.658	105	57717	4.681	ng	# 84
24) Nitrobenzene	9.034	77	54758	4.787	ng	98
25) Isophorone	9.557	82	88225	4.821	ng	# 95
26) 2-Nitrophenol	9.751	139	18344	4.360	ng	# 72
27) 2,4-Dimethylphenol	9.810	122	22600	4.370	ng	93
28) bis(2-Chloroethoxy)met...	10.045	93	46872	4.885	ng	98
29) 2,4-Dichlorophenol	10.280	162	33959	4.347	ng	95
30) 1,2,4-Trichlorobenzene	10.503	180	44253	4.606	ng	# 85
31) Naphthalene	10.679	128	116824	4.813	ng	# 94
33) 4-Chloroaniline	10.791	127	40952	5.000	ng	# 89
34) Hexachlorobutadiene	10.973	225	31854	4.028	ng	91
35) Caprolactam	11.537	113	11393	4.567	ng	92
36) 4-Chloro-3-methylphenol	11.919	107	36892	4.099	ng	96
37) 2-Methylnaphthalene	12.295	142	75958	4.412	ng	97
38) 1-Methylnaphthalene	12.512	142	70303	4.148	ng	99
40) 1,2,4,5-Tetrachloroben...	12.665	216	58891	4.813	ng	95
41) Hexachlorocyclopentadiene	12.647	237	9160	2.304	ng	91
43) 2,4,6-Trichlorophenol	12.988	196	34298	4.682	ng	93
44) 2,4,5-Trichlorophenol	12.988	196	34298	4.258	ng	91

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110424\
 Data File : BG063152.D
 Acq On : 4 Nov 2024 12:04
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL 5 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 04 11:43:26 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

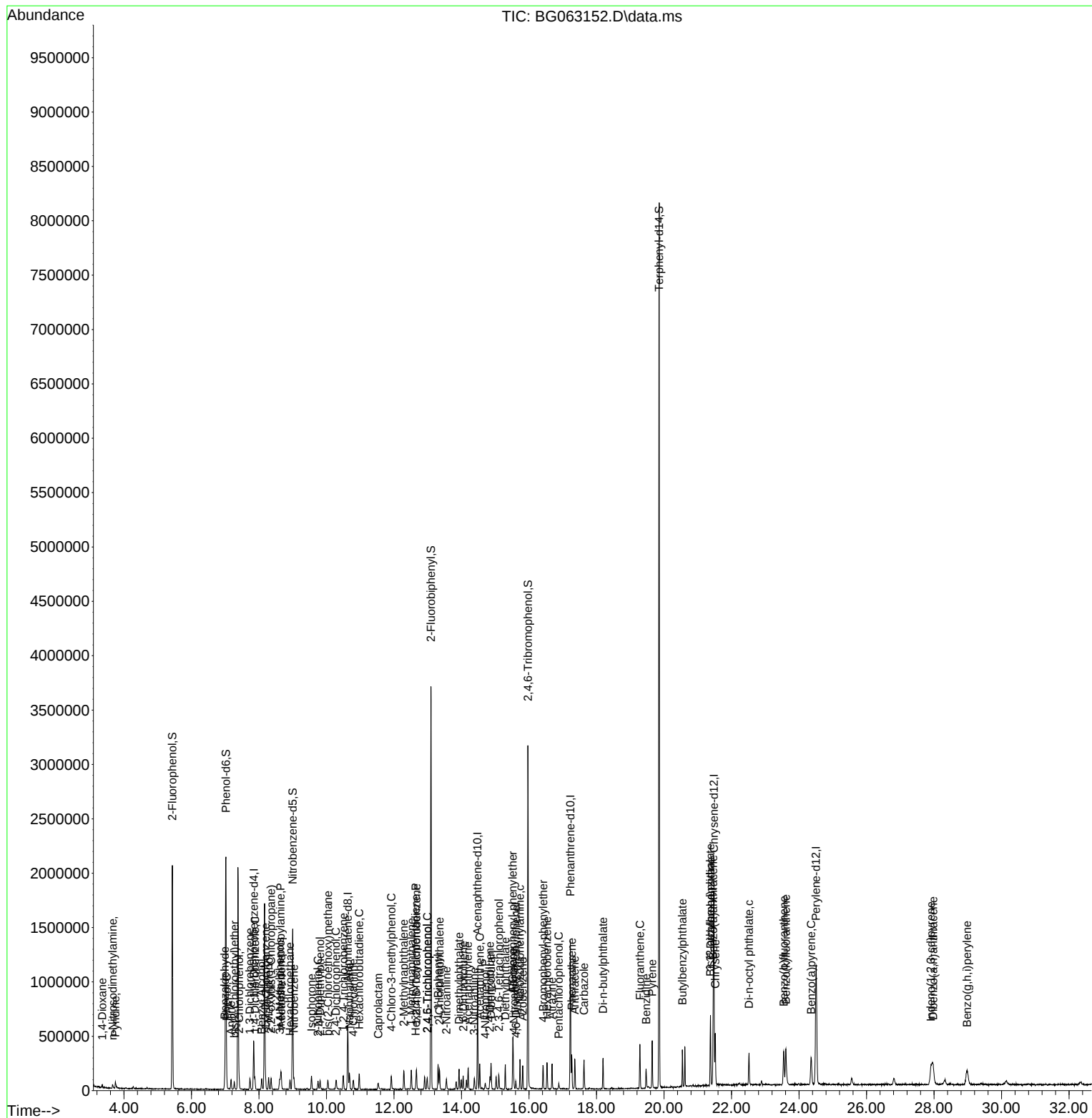
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.305	154	113412	4.907	ng	99
47) 2-Chloronaphthalene	13.347	162	86066	4.446	ng	99
48) 2-Nitroaniline	13.552	65	27406	4.034	ng #	83
49) Acenaphthylene	14.193	152	137290	5.024	ng	97
50) Dimethylphthalate	13.928	163	108062	4.452	ng #	99
51) 2,6-Dinitrotoluene	14.052	165	22056	4.256	ng #	88
52) Acenaphthene	14.539	154	76151	4.501	ng #	78
53) 3-Nitroaniline	14.375	138	23358	4.748	ng #	78
55) Dibenzofuran	14.874	168	145151	4.866	ng	99
56) 4-Nitrophenol	14.704	139	11839	3.178	ng #	72
57) 2,4-Dinitrotoluene	14.839	165	31115	4.198	ng #	83
58) Fluorene	15.526	166	110876	4.690	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.109	232	33109	4.283	ng	96
60) Diethylphthalate	15.297	149	116883	4.690	ng	93
61) 4-Chlorophenyl-phenyle...	15.521	204	65845	4.481	ng	98
62) 4-Nitroaniline	15.550	138	24998	4.605	ng #	62
63) Azobenzene	15.814	77	119856	4.650	ng	93
65) 4,6-Dinitro-2-methylph...	15.615	198	16605	3.040	ng	77
66) n-Nitrosodiphenylamine	15.732	169	97850	4.616	ng	92
67) 4-Bromophenyl-phenylether	16.419	248	45118	4.333	ng #	93
68) Hexachlorobenzene	16.537	284	54623	4.528	ng	96
69) Atrazine	16.684	200	45104	4.629	ng	94
70) Pentachlorophenol	16.884	266	12054	2.008	ng #	78
71) Phenanthrene	17.266	178	198624	4.822	ng	97
72) Anthracene	17.354	178	187272	4.632	ng	98
73) Carbazole	17.630	167	177325	4.659	ng	99
74) Di-n-butylphthalate	18.194	149	201924	4.673	ng	98
75) Fluoranthene	19.287	202	265300	4.550	ng	98
77) Benzidine	19.469	184	112974	6.930	ng #	94
78) Pyrene	19.651	202	292180	4.658	ng	98
80) Butylbenzylphthalate	20.544	149	87203	4.315	ng	96
81) Benzo(a)anthracene	21.455	228	326603	4.902	ng	98
82) 3,3'-Dichlorobenzidine	21.378	252	114348	4.629	ng #	98
83) Chrysene	21.519	228	301413	4.815	ng	99
84) Bis(2-ethylhexyl)phtha...	21.372	149	132480	4.519	ng #	88
85) Di-n-octyl phthalate	22.518	149	219416	4.473	ng	100
87) Indeno(1,2,3-cd)pyrene	27.906	276	374324	4.752	ng #	89
88) Benzo(b)fluoranthene	23.546	252	305203	4.460	ng	97
89) Benzo(k)fluoranthene	23.611	252	322994	4.948	ng	100
90) Benzo(a)pyrene	24.363	252	290359	4.861	ng	96
91) Dibenzo(a,h)anthracene	27.976	278	308165	4.687	ng #	96
92) Benzo(g,h,i)perylene	28.975	276	282666	4.349	ng	93

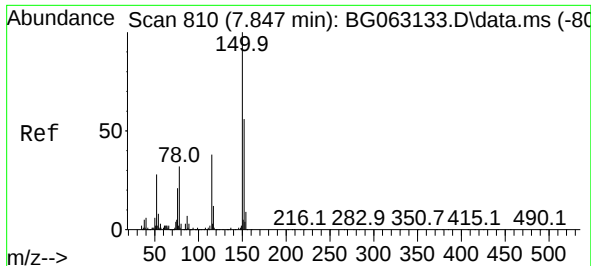
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110424\
 Data File : BG063152.D
 Acq On : 4 Nov 2024 12:04
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL 5 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 04 11:43:26 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

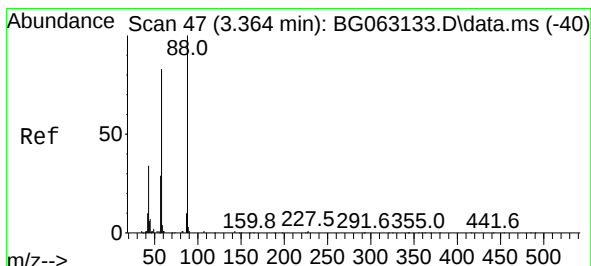
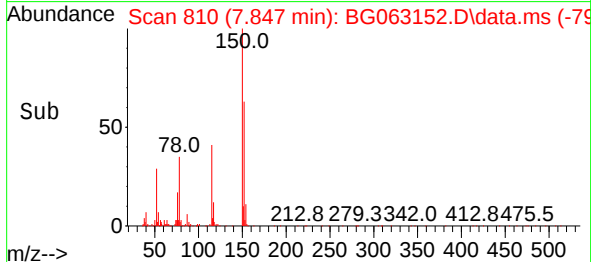
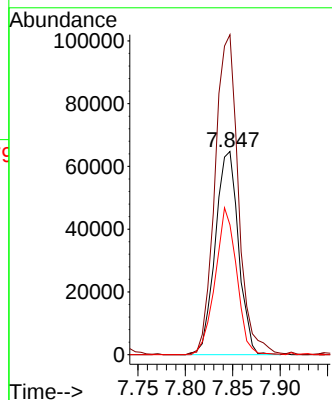
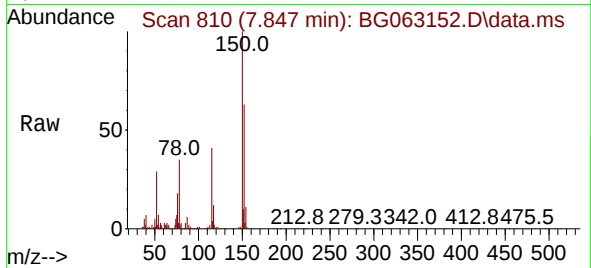




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.847 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

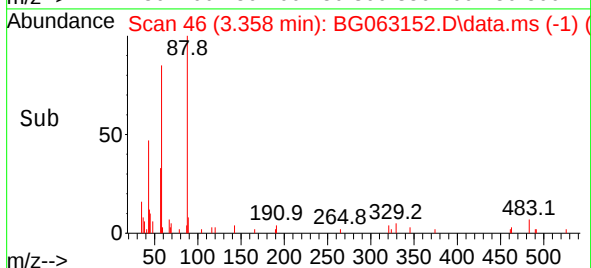
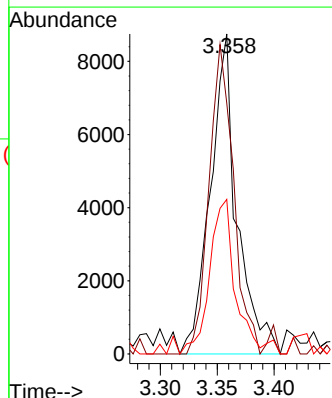
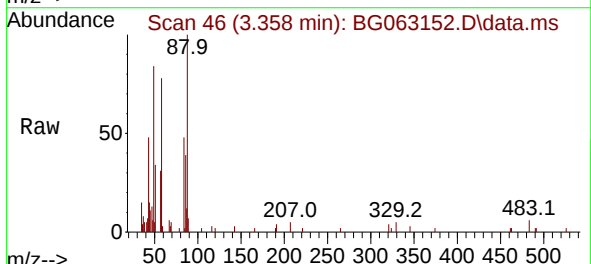
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

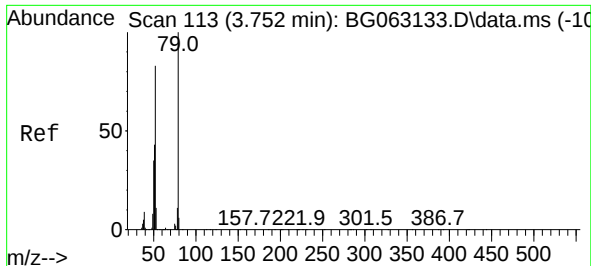
Tgt Ion:152 Resp: 110490
Ion Ratio Lower Upper
152 100
150 157.5 143.1 214.7
115 63.9 55.0 82.4



#2
1,4-Dioxane
Concen: 5.079 ng
RT: 3.358 min Scan# 46
Delta R.T. -0.006 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion: 88 Resp: 14221
Ion Ratio Lower Upper
88 100
58 89.0 73.8 110.6
43 47.4 32.0 48.0

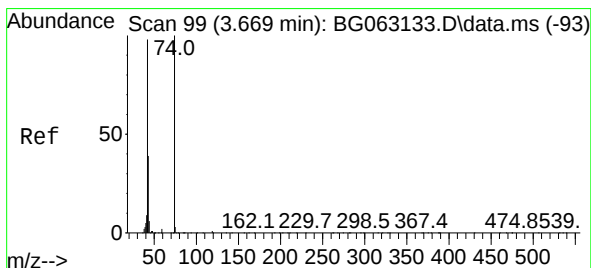
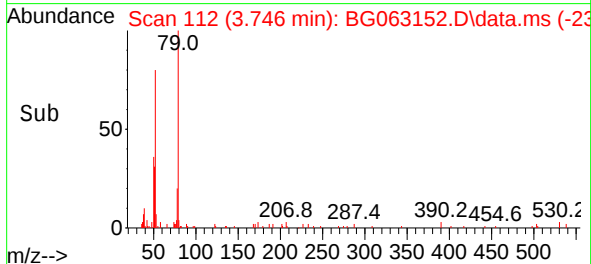
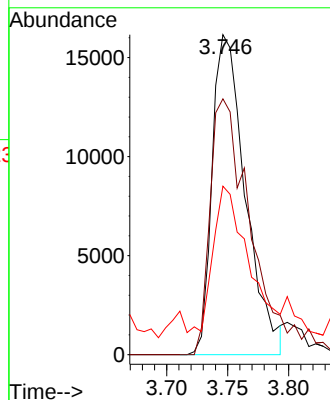
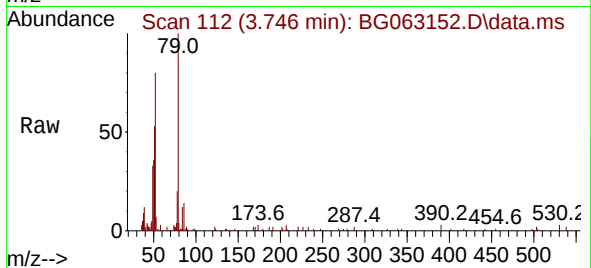




#3
Pyridine
Concen: 4.522 ng
RT: 3.746 min Scan# 113
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

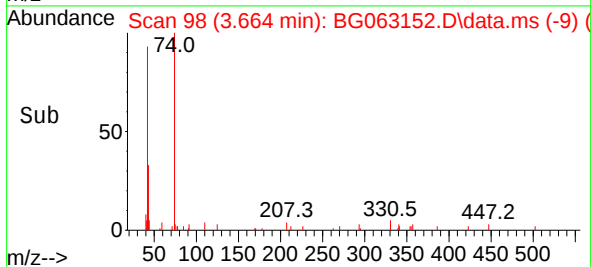
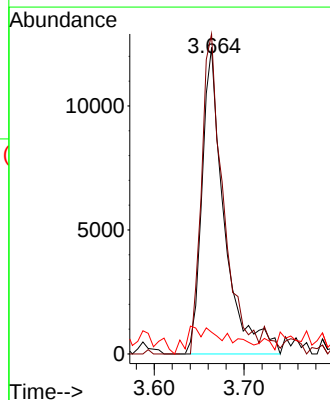
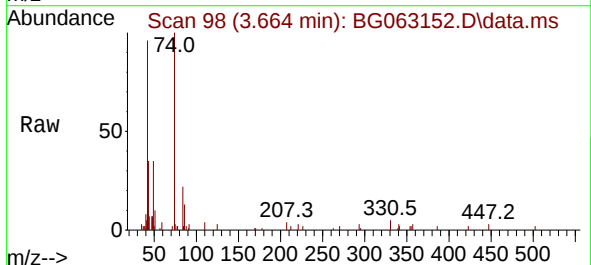
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

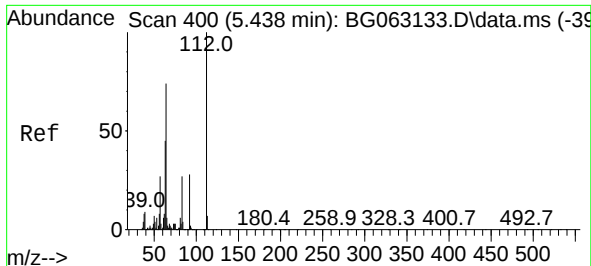
Tgt Ion: 79 Resp: 30564
Ion Ratio Lower Upper
79 100
52 80.0 66.1 99.1
51 52.7 36.6 54.8



#4
n-Nitrosodimethylamine
Concen: 5.083 ng
RT: 3.664 min Scan# 98
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion: 42 Resp: 21339
Ion Ratio Lower Upper
42 100
74 104.4 81.9 122.9
44 7.1 5.8 8.8





#5

2-Fluorophenol

Concen: 109.039 ng

RT: 5.432 min Scan# 399

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

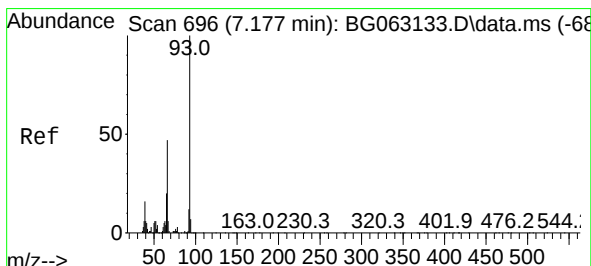
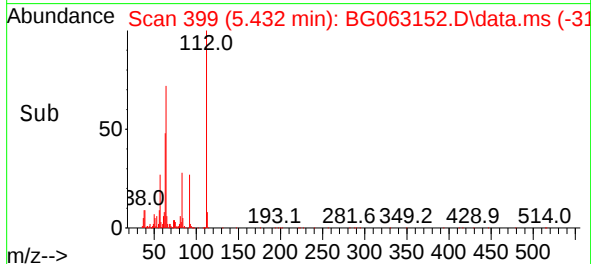
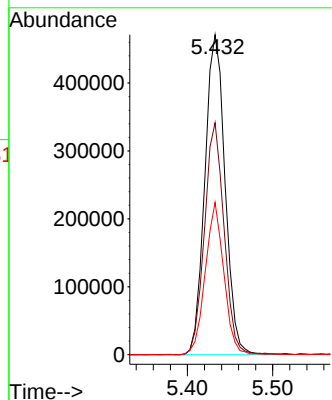
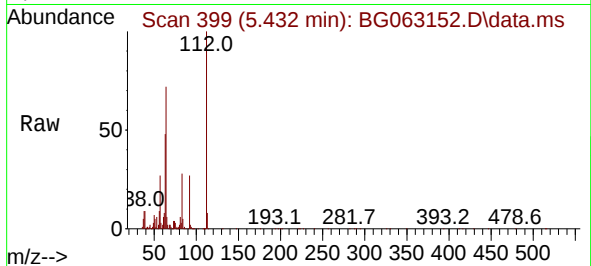
Tgt Ion:112 Resp: 776958

Ion Ratio Lower Upper

112 100

64 72.5 59.4 89.0

63 47.6 35.8 53.6



#6

Aniline

Concen: 6.214 ng

RT: 7.171 min Scan# 695

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

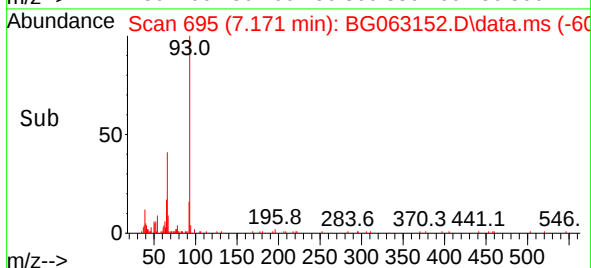
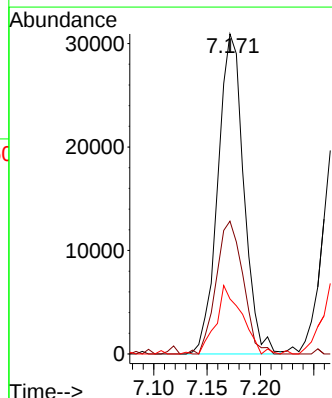
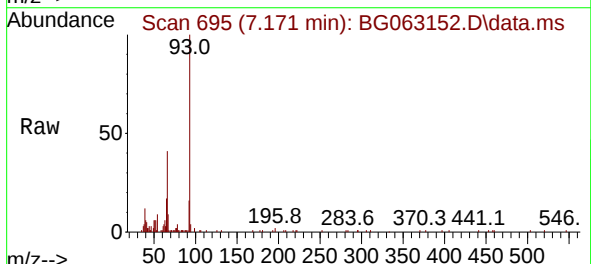
Tgt Ion: 93 Resp: 52180

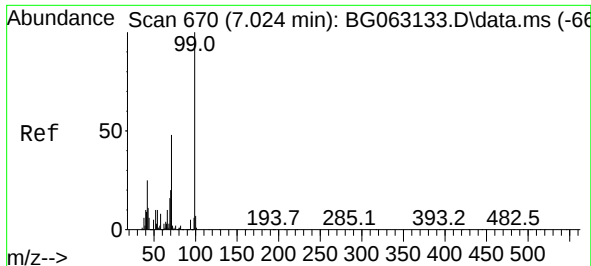
Ion Ratio Lower Upper

93 100

66 41.5 37.8 56.8

65 17.2 16.1 24.1

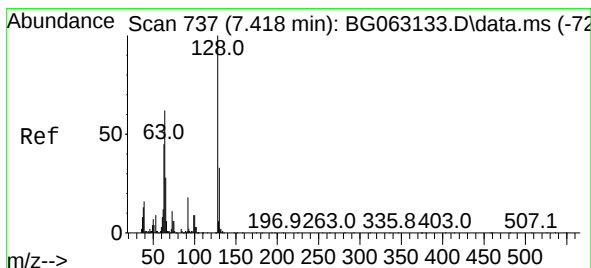
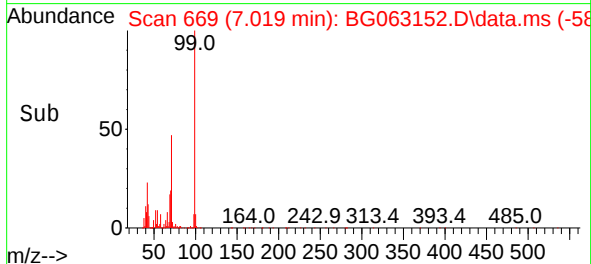
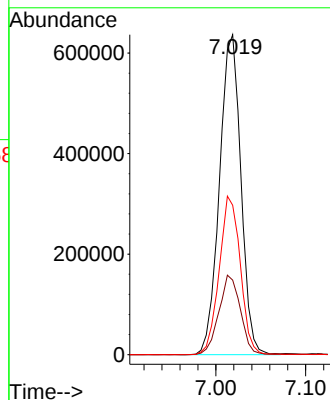
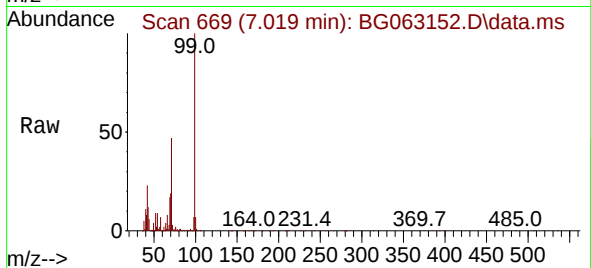




#7
Phenol-d6
Concen: 112.899 ng
RT: 7.019 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

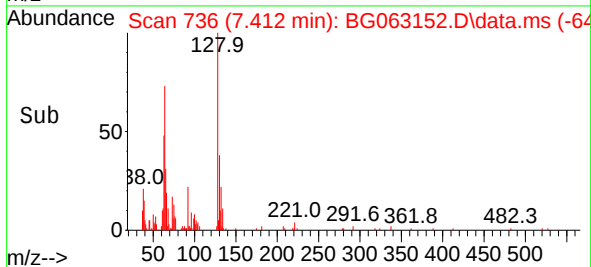
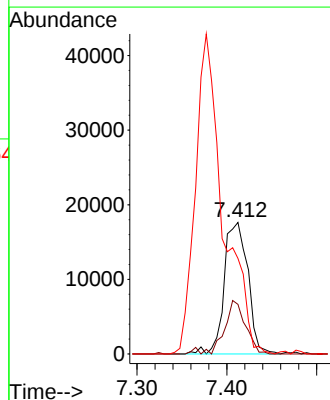
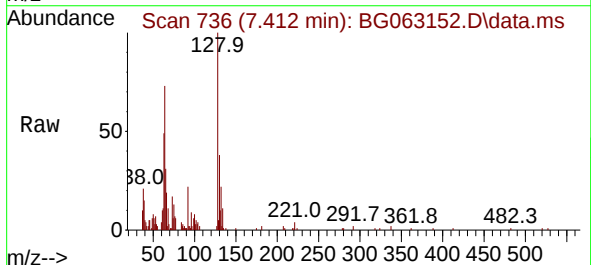
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

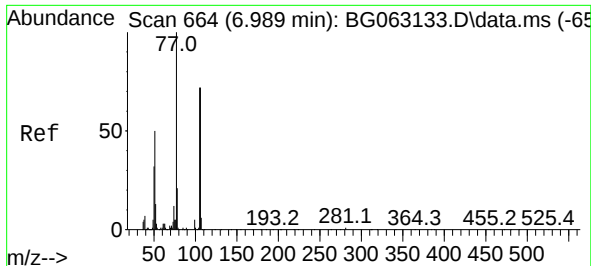
Tgt Ion: 99 Resp: 1054192
Ion Ratio Lower Upper
99 100
42 23.3 20.0 30.0
71 46.7 38.2 57.4



#8
2-Chlorophenol
Concen: 4.870 ng
RT: 7.412 min Scan# 736
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion: 128 Resp: 32228
Ion Ratio Lower Upper
128 100
130 37.7 13.3 53.3
64 72.5 41.8 81.8

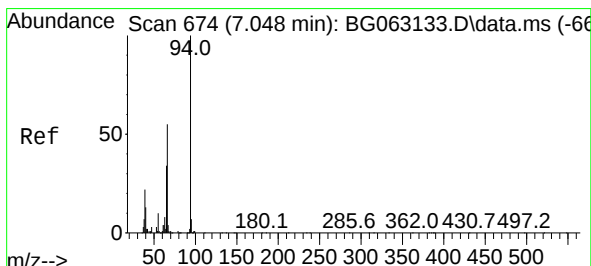
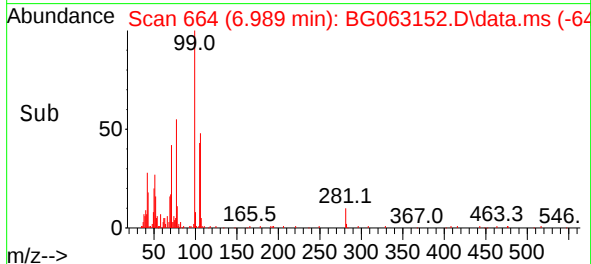
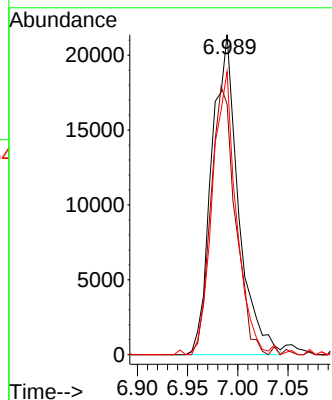
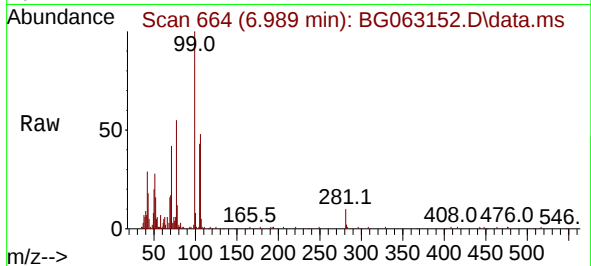




#9
Benzaldehyde
Concen: 6.809 ng
RT: 6.989 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

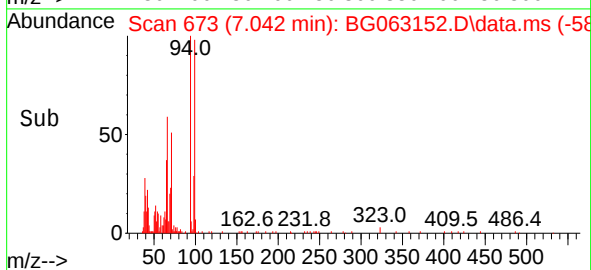
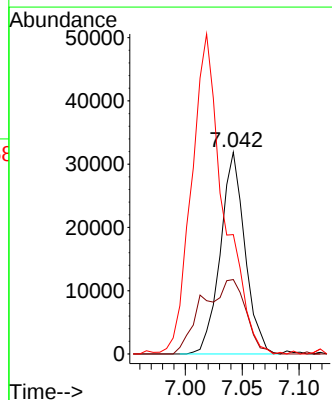
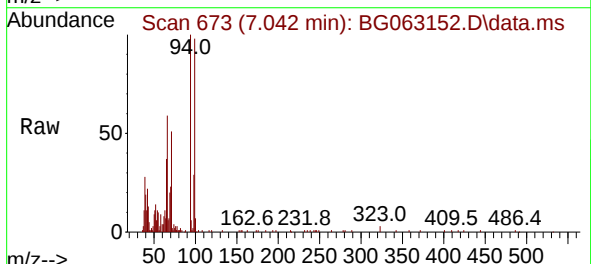
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

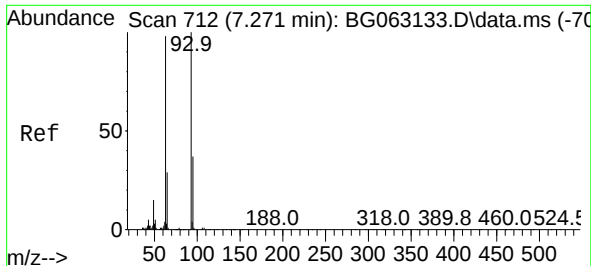
Tgt Ion: 77 Resp: 39507
Ion Ratio Lower Upper
77 100
105 78.3 52.2 92.2
106 88.5 52.2 92.2



#10
Phenol
Concen: 4.781 ng
RT: 7.042 min Scan# 673
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion: 94 Resp: 47823
Ion Ratio Lower Upper
94 100
65 36.9 14.2 54.2
66 59.2 36.2 76.2

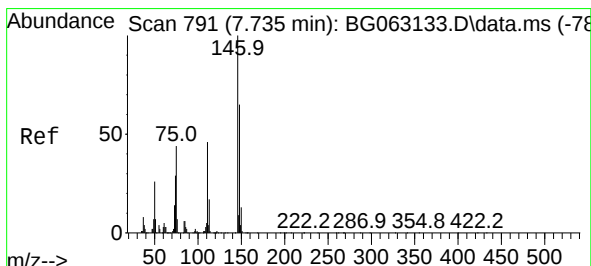
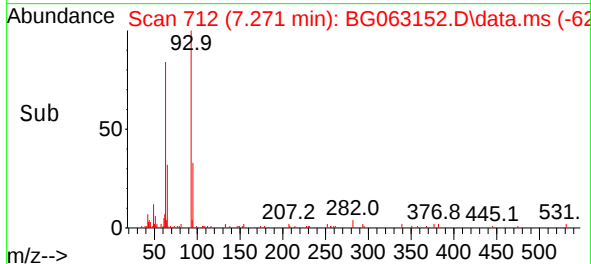
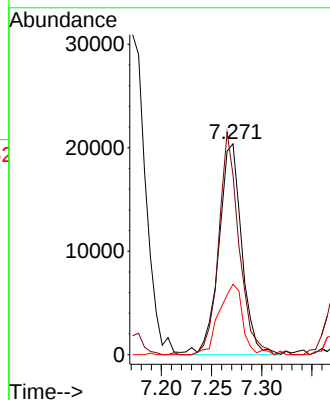
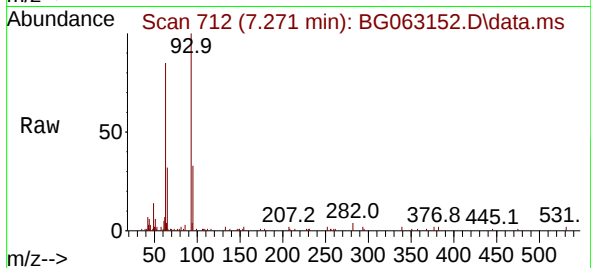




#11
bis(2-Chloroethyl)ether
Concen: 4.793 ng
RT: 7.271 min Scan# 712
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

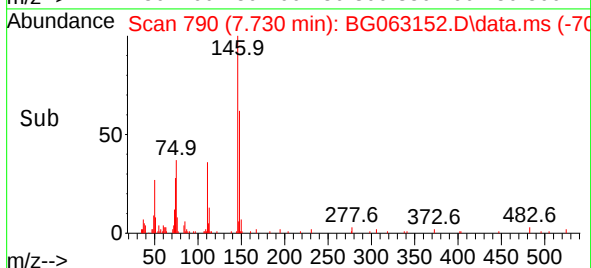
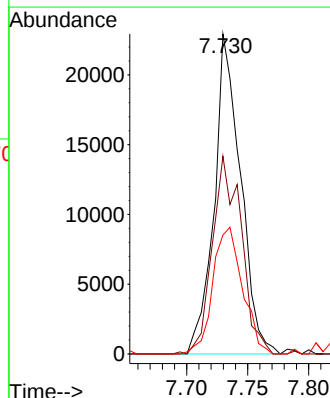
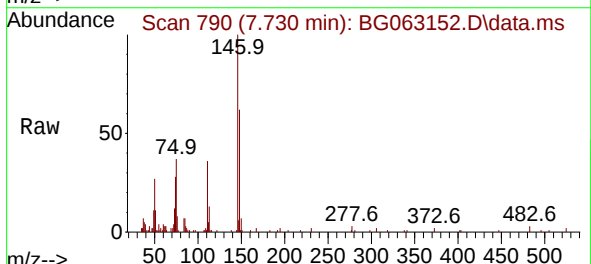
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

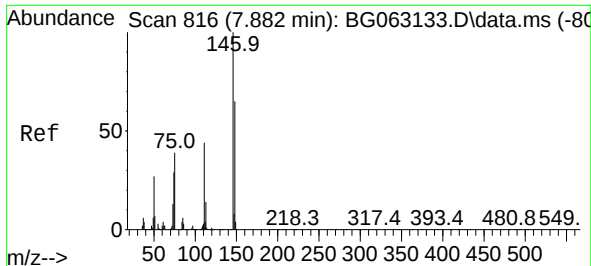
Tgt Ion: 93 Resp: 32335
Ion Ratio Lower Upper
93 100
63 85.2 77.5 117.5
95 33.4 16.5 56.5



#12
1,3-Dichlorobenzene
Concen: 4.297 ng
RT: 7.730 min Scan# 790
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion: 146 Resp: 34495
Ion Ratio Lower Upper
146 100
148 61.8 51.7 77.5
75 37.2 35.7 53.5

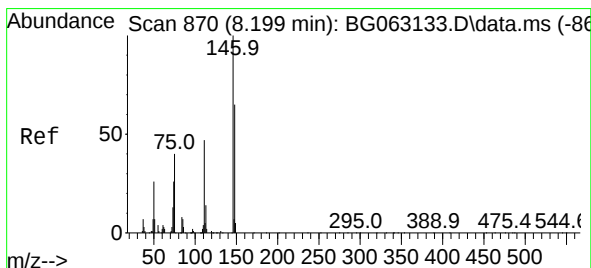
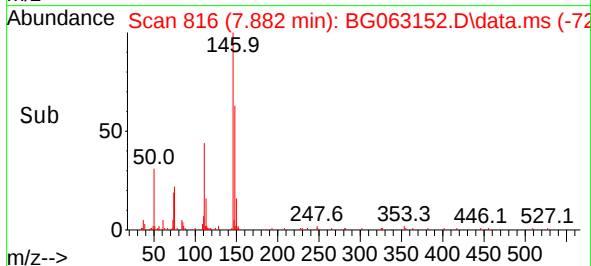
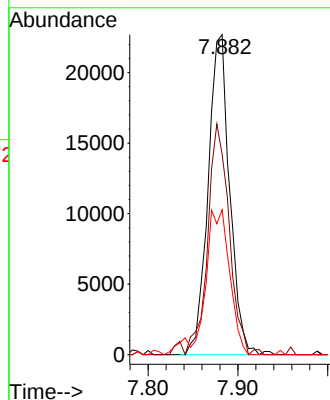
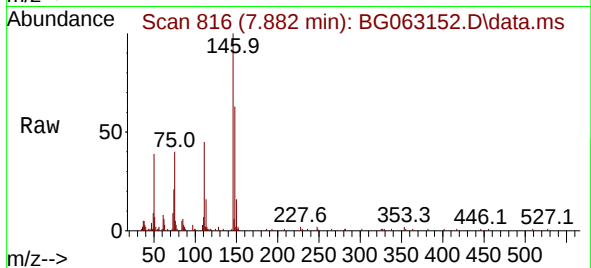




#13
1,4-Dichlorobenzene
Concen: 4.636 ng
RT: 7.882 min Scan# 816
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

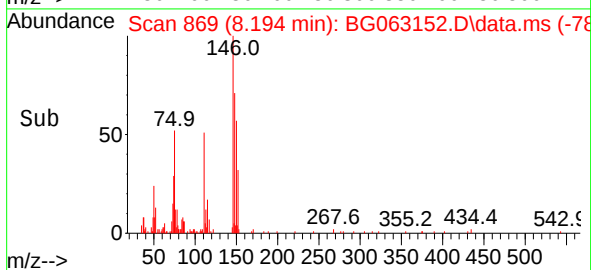
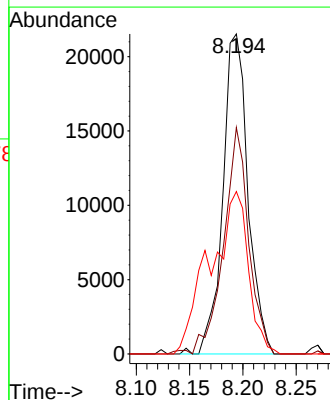
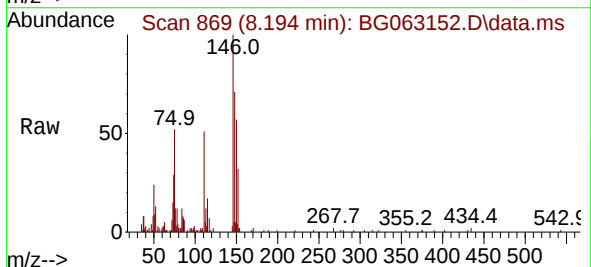
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

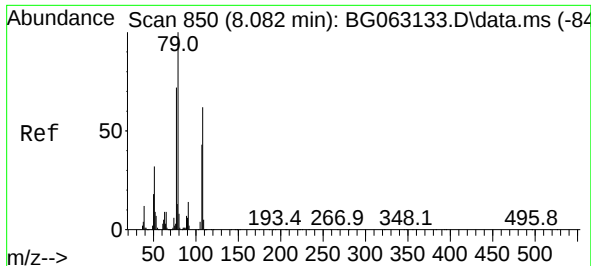
Tgt Ion:146 Resp: 37940
Ion Ratio Lower Upper
146 100
148 62.6 52.3 78.5
111 45.3 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 4.473 ng
RT: 8.194 min Scan# 869
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:146 Resp: 35292
Ion Ratio Lower Upper
146 100
148 70.7 52.3 78.5
111 50.7 38.5 57.7

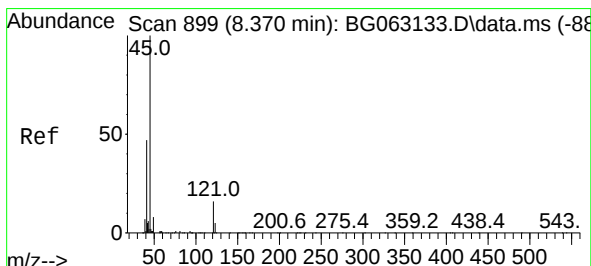
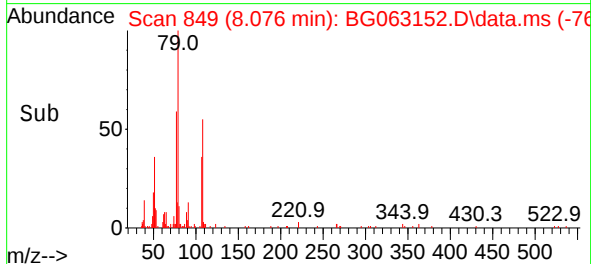
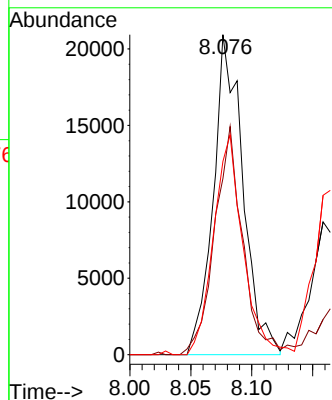
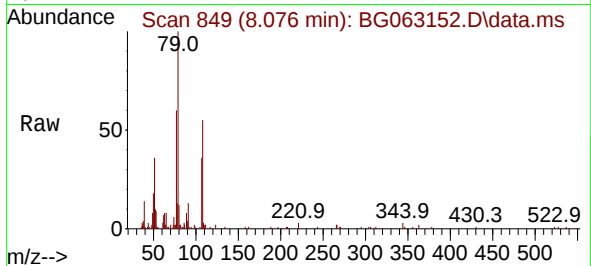




#15
Benzyl Alcohol
Concen: 4.705 ng
RT: 8.076 min Scan# 849
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

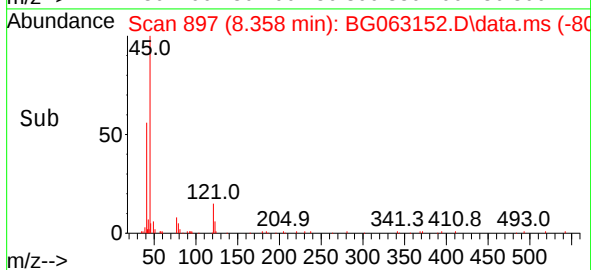
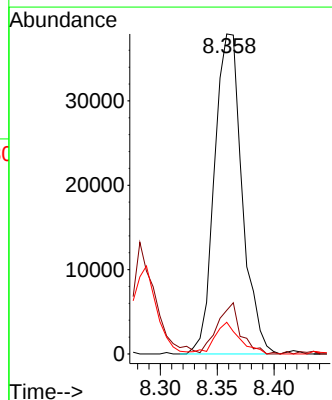
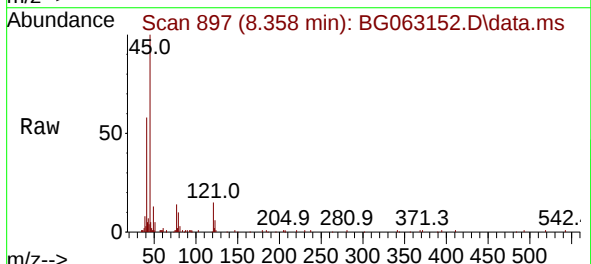
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

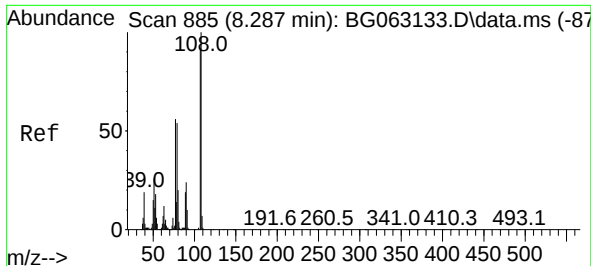
Tgt Ion: 79 Resp: 35304
Ion Ratio Lower Upper
79 100
108 55.1 49.5 74.3
77 60.4 57.6 86.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.245 ng
RT: 8.358 min Scan# 897
Delta R.T. -0.011 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion: 45 Resp: 64182
Ion Ratio Lower Upper
45 100
77 13.6 0.0 32.4
79 9.9 0.0 29.7

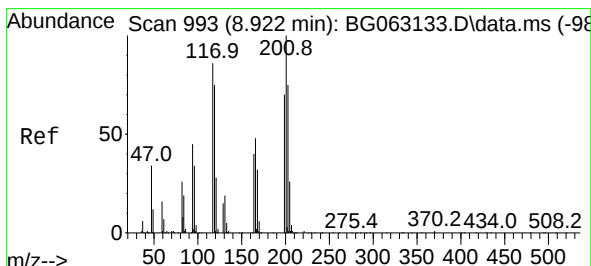
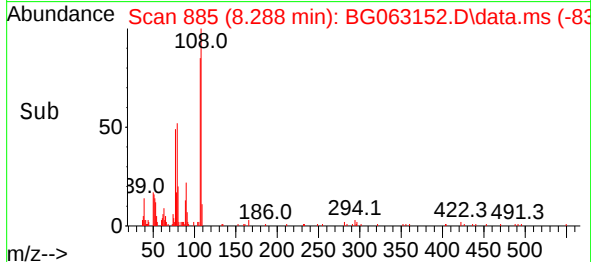
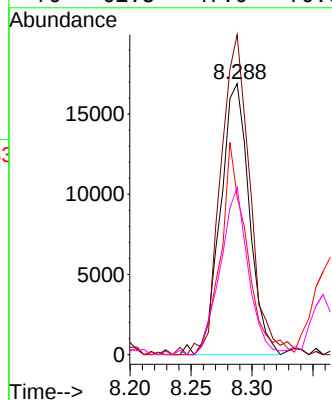
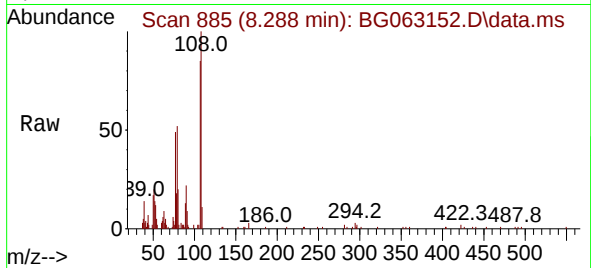




#17
2-Methylphenol
Concen: 4.371 ng
RT: 8.288 min Scan# 885
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

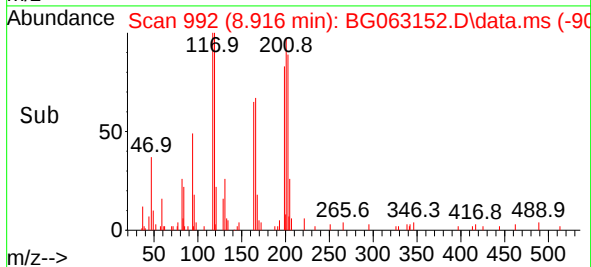
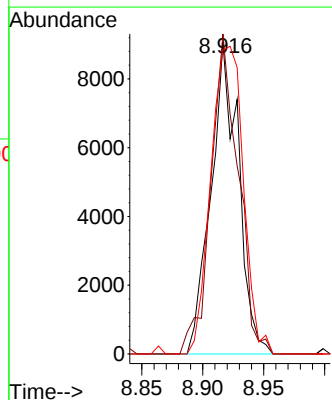
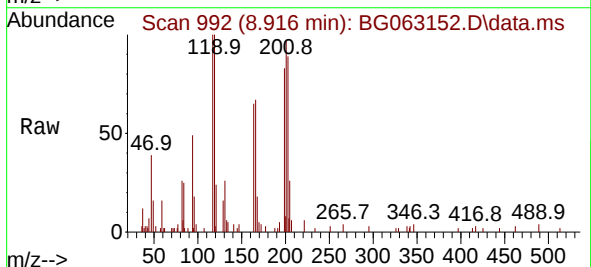
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

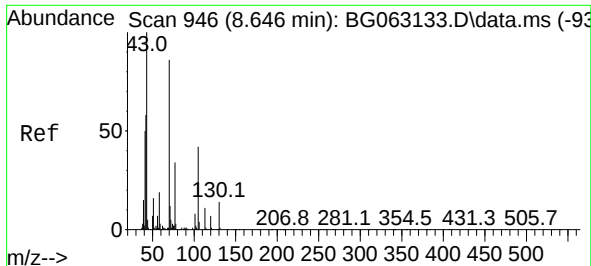
Tgt Ion:	107	Resp:	27815
Ion	Ratio	Lower	Upper
107	100		
108	118.1	87.1	130.7
77	58.1	48.9	73.3
79	61.8	47.0	70.6



#18
Hexachloroethane
Concen: 4.873 ng
RT: 8.916 min Scan# 992
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:	117	Resp:	14272
Ion	Ratio	Lower	Upper
117	100		
119	102.6	69.7	104.5
201	97.4	92.6	138.8

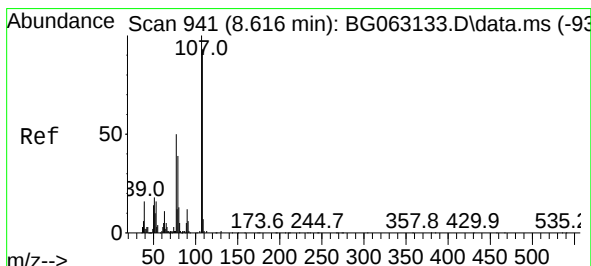
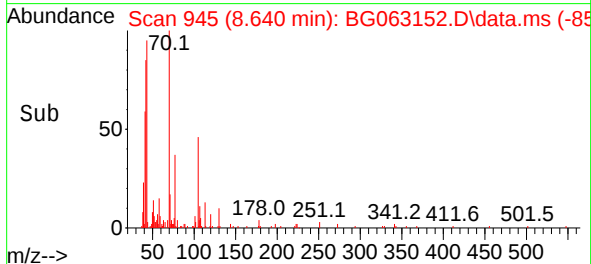
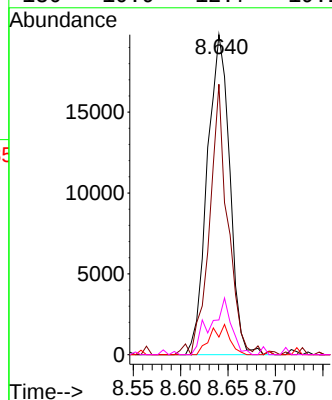
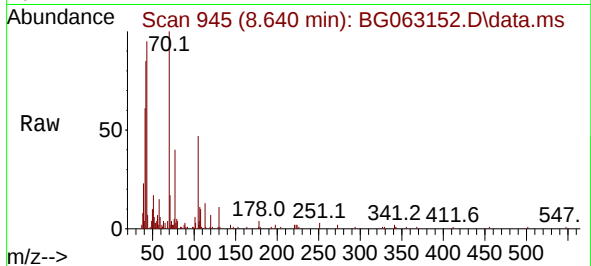




#19
n-Nitroso-di-n-propylamine
Concen: 5.021 ng
RT: 8.640 min Scan# 946
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

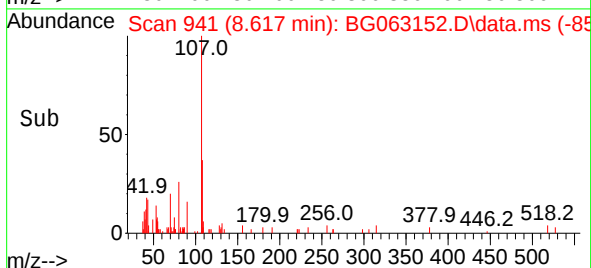
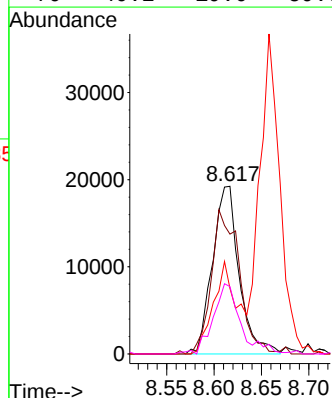
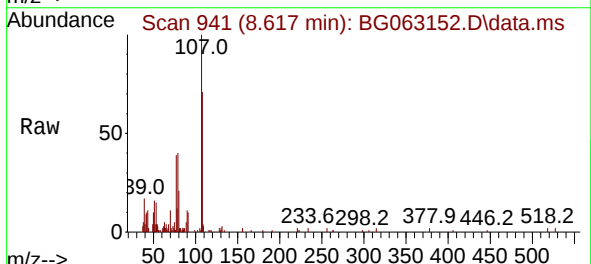
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

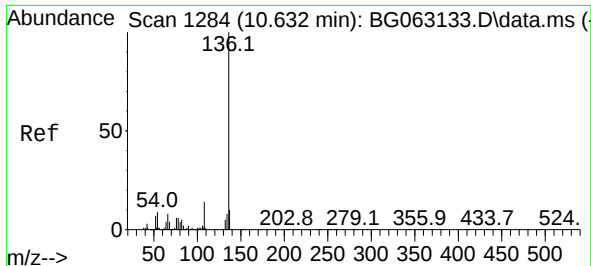
Tgt Ion: 70 Resp: 32649
Ion Ratio Lower Upper
70 100
42 84.5 54.2 81.2#
101 5.5 7.7 11.5#
130 10.9 12.7 19.1#



#20
3+4-Methylphenols
Concen: 4.444 ng
RT: 8.617 min Scan# 941
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:107 Resp: 37716
Ion Ratio Lower Upper
107 100
108 71.5 73.1 113.1#
77 39.0 30.2 70.2
79 40.2 19.0 59.0

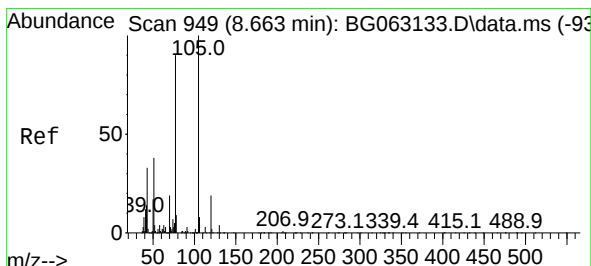
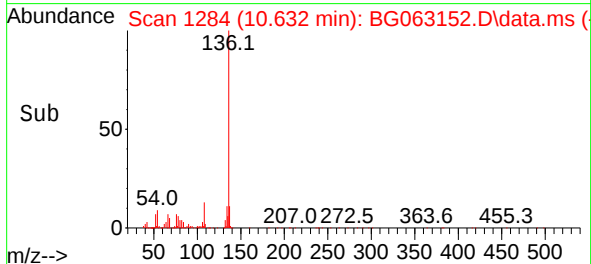
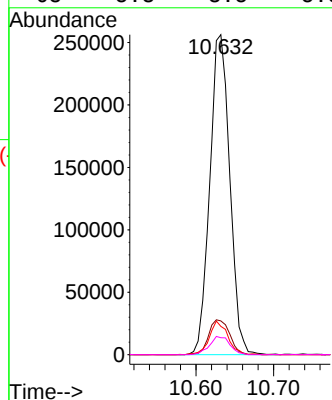
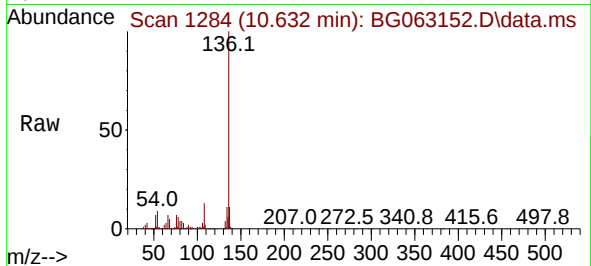




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.632 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

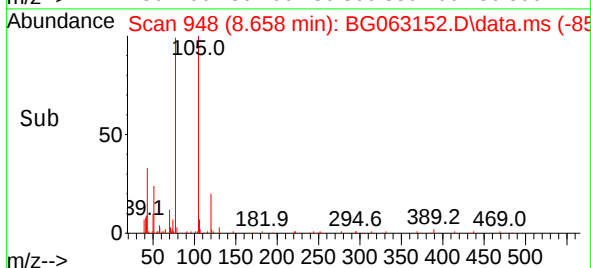
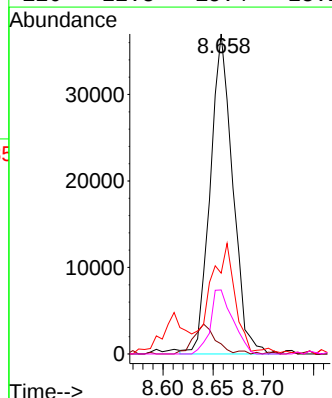
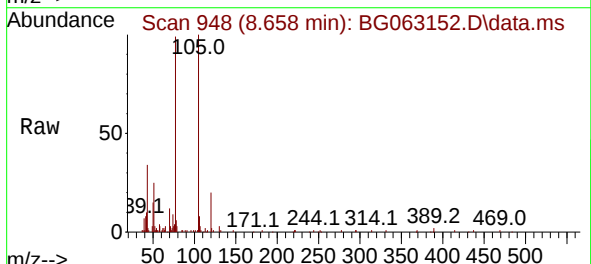
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

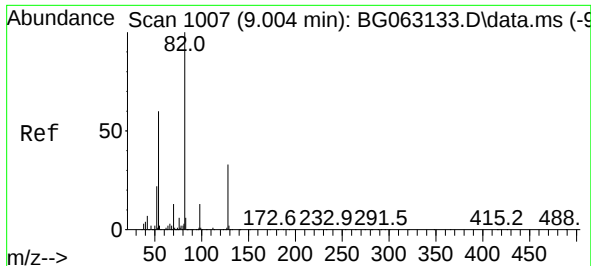
Tgt Ion:136 Resp: 460110
Ion Ratio Lower Upper
136 100
137 10.6 7.8 11.6
54 8.9 7.3 10.9
68 5.3 3.5 5.3#



#22
Acetophenone
Concen: 4.681 ng
RT: 8.658 min Scan# 948
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:105 Resp: 57717
Ion Ratio Lower Upper
105 100
71 3.2 2.3 3.5
51 25.3 30.5 45.7#
120 22.3 15.4 23.2





#23

Nitrobenzene-d5

Concen: 77.848 ng

RT: 8.999 min Scan# 1006

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

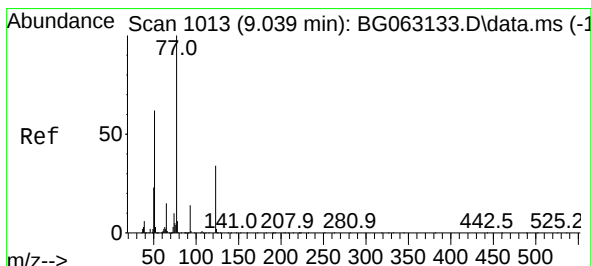
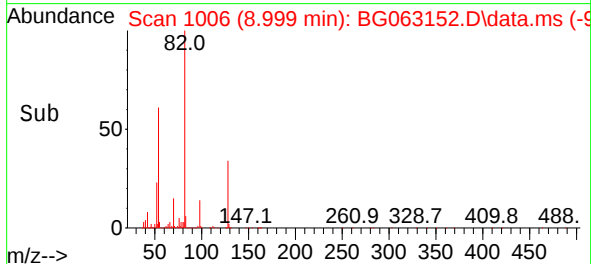
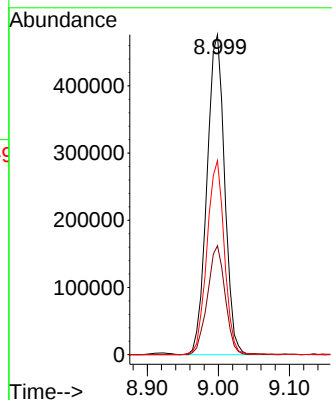
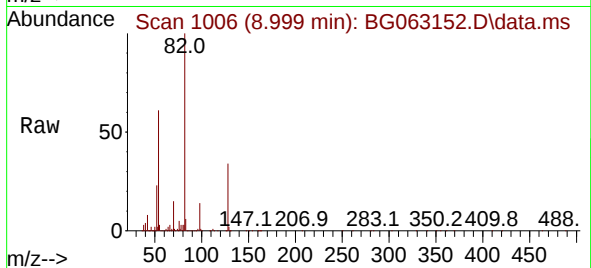
Tgt Ion: 82 Resp: 823552

Ion Ratio Lower Upper

82 100

128 34.1 26.6 39.8

54 60.7 47.8 71.8



#24

Nitrobenzene

Concen: 4.787 ng

RT: 9.034 min Scan# 1012

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

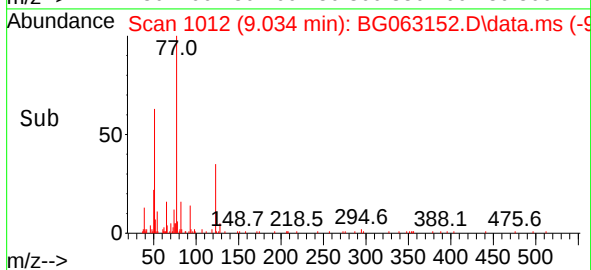
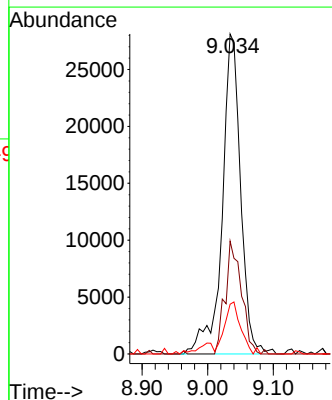
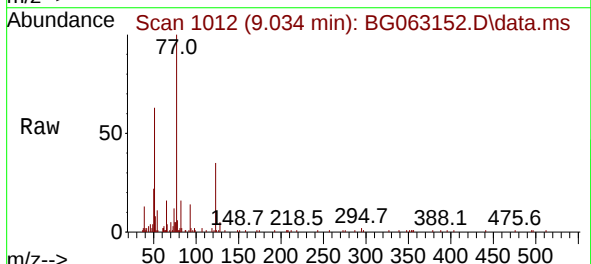
Tgt Ion: 77 Resp: 54758

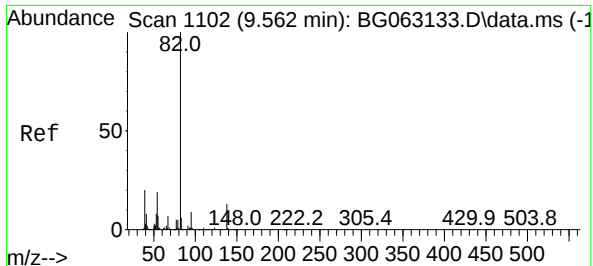
Ion Ratio Lower Upper

77 100

123 35.3 26.9 40.3

65 15.5 12.3 18.5





#25

Isophorone

Concen: 4.821 ng

RT: 9.557 min Scan# 1101

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

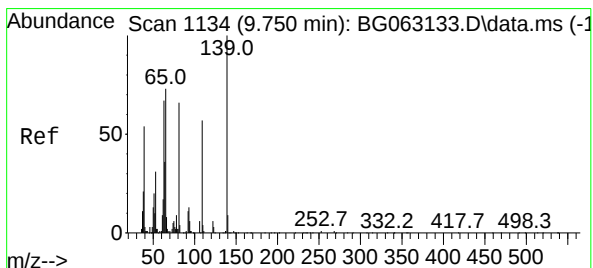
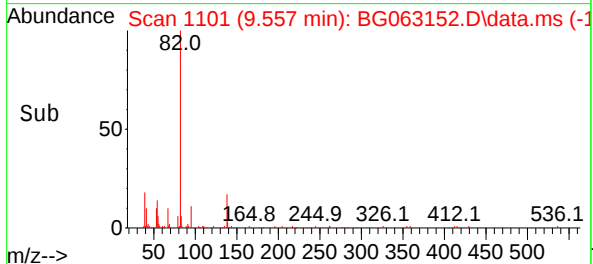
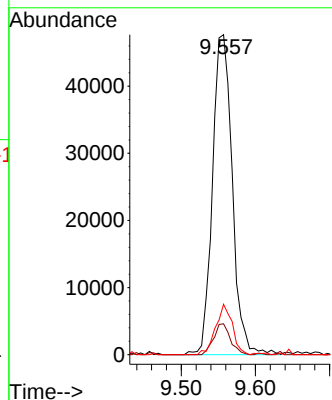
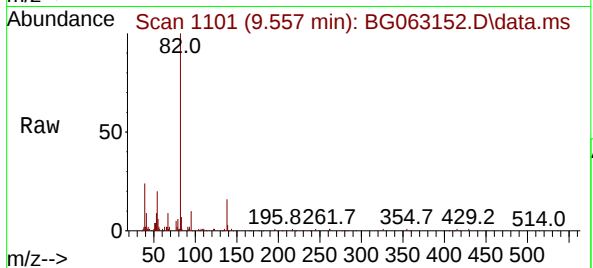
Tgt Ion: 82 Resp: 88225

Ion Ratio Lower Upper

82 100

95 9.6 7.4 11.0

138 15.7 10.3 15.5#



#26

2-Nitrophenol

Concen: 4.360 ng

RT: 9.751 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

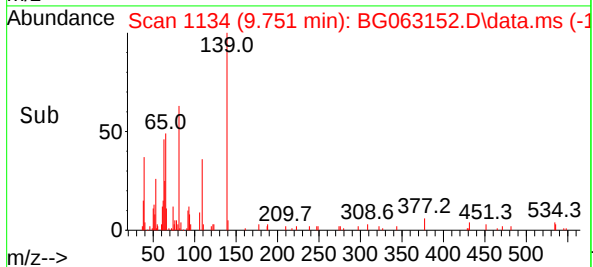
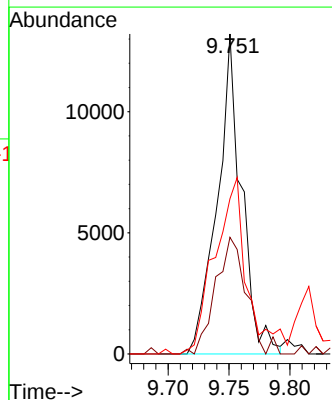
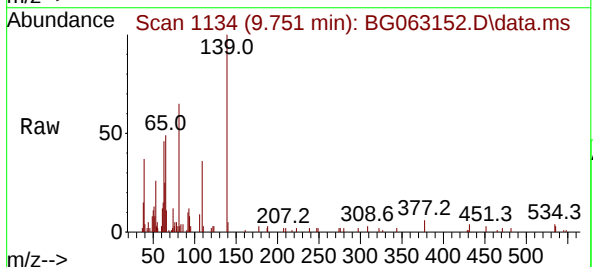
Tgt Ion:139 Resp: 18344

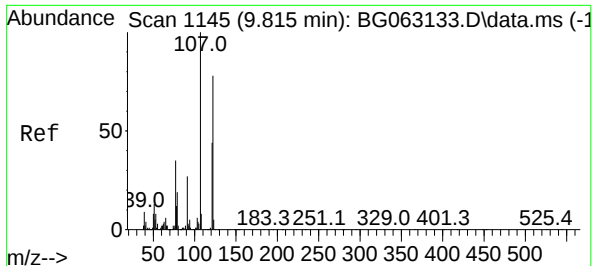
Ion Ratio Lower Upper

139 100

109 36.5 45.4 68.0#

65 48.5 58.4 87.6#





#27

2,4-Dimethylphenol

Concen: 4.370 ng

RT: 9.810 min Scan# 1145

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

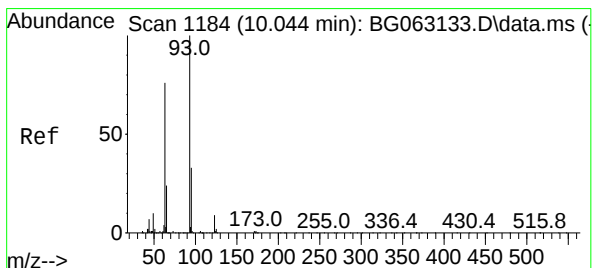
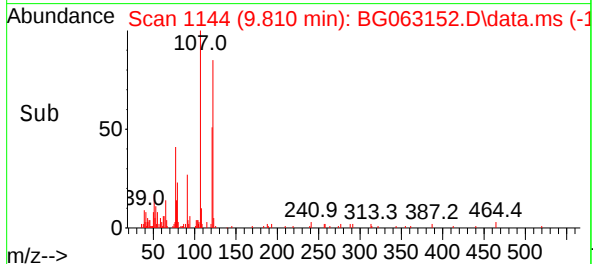
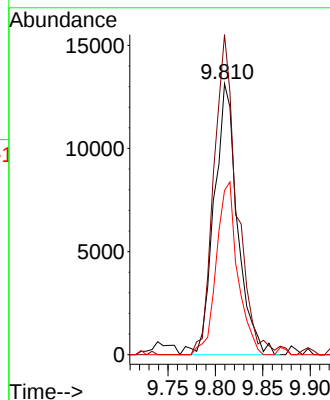
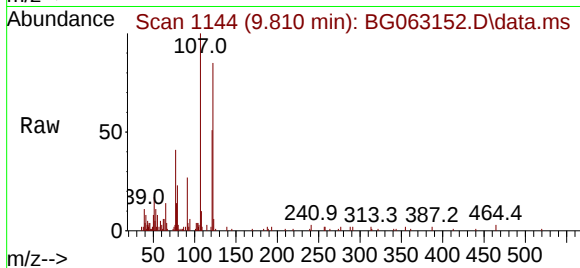
Tgt Ion:122 Resp: 22600

Ion Ratio Lower Upper

122 100

107 118.1 101.8 152.6

121 60.5 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 4.885 ng

RT: 10.045 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

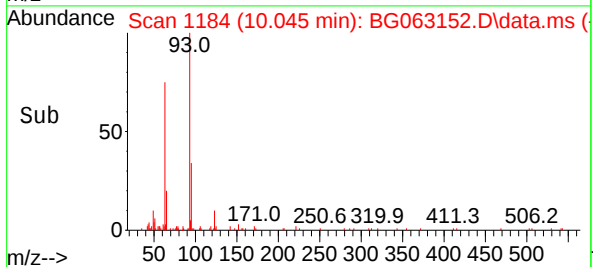
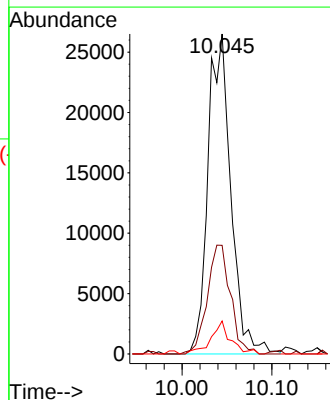
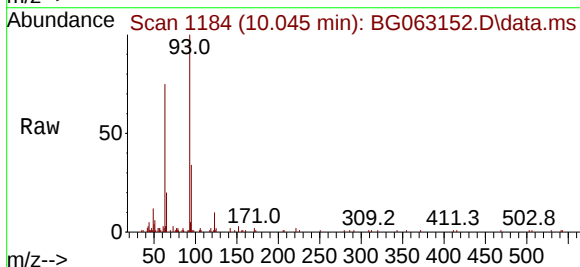
Tgt Ion: 93 Resp: 46872

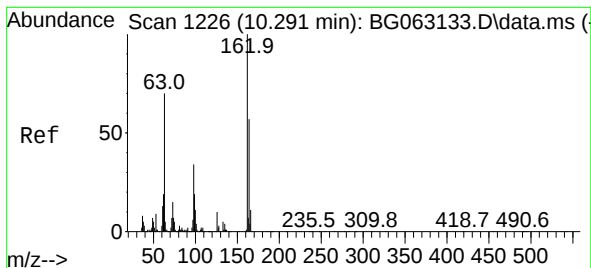
Ion Ratio Lower Upper

93 100

95 34.0 26.1 39.1

123 10.3 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 4.347 ng

RT: 10.280 min Scan# 1224

Delta R.T. -0.011 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

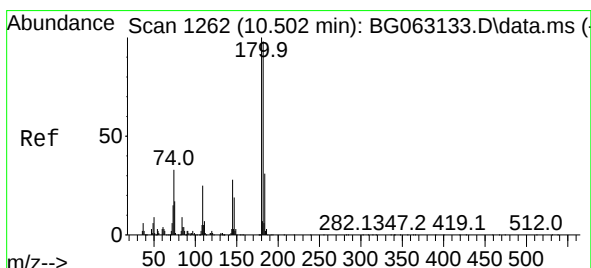
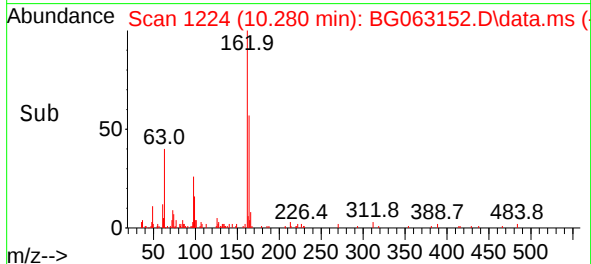
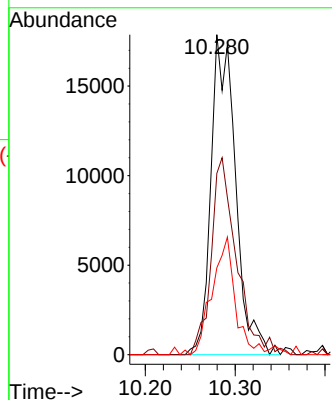
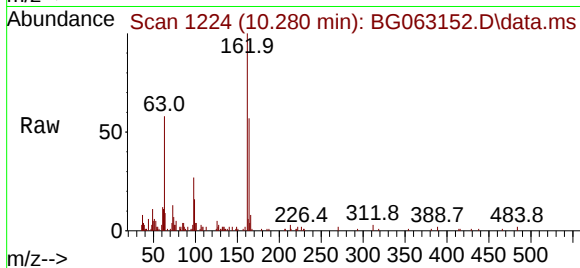
Tgt Ion:162 Resp: 33959

Ion Ratio Lower Upper

162 100

164 56.7 37.2 77.2

98 27.2 14.0 54.0



#30

1,2,4-Trichlorobenzene

Concen: 4.606 ng

RT: 10.503 min Scan# 1262

Delta R.T. 0.000 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

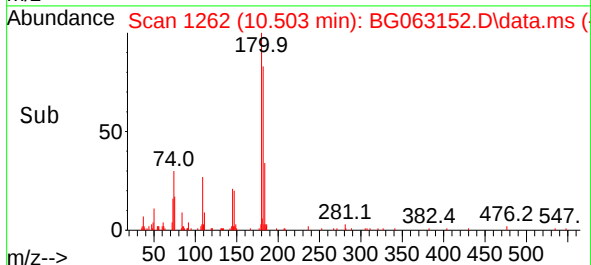
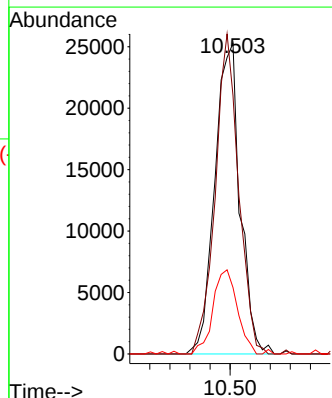
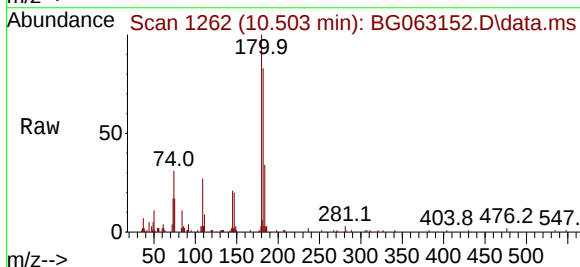
Tgt Ion:180 Resp: 44253

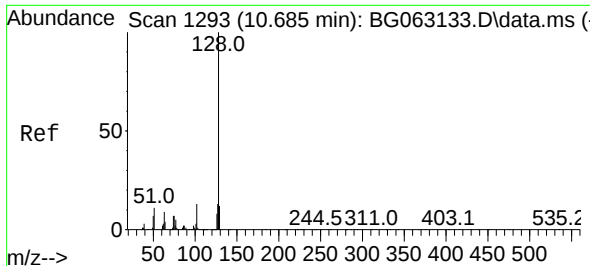
Ion Ratio Lower Upper

180 100

182 83.2 78.5 117.7

145 21.4 22.6 34.0#

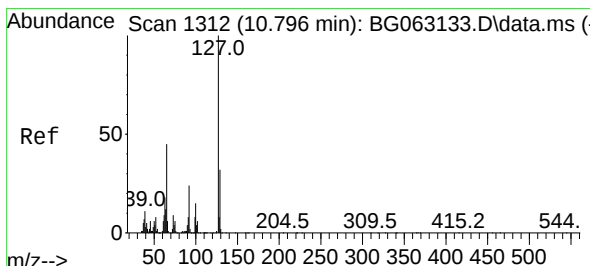
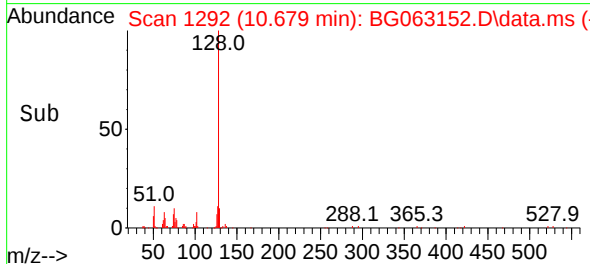
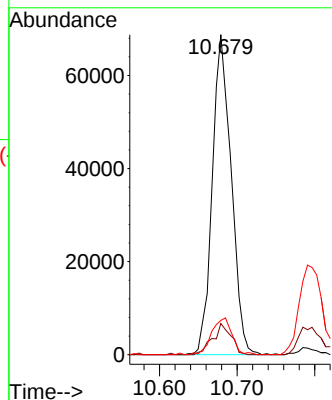
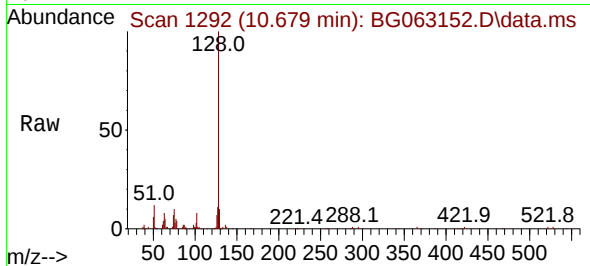




#31
Naphthalene
Concen: 4.813 ng
RT: 10.679 min Scan# 1292
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

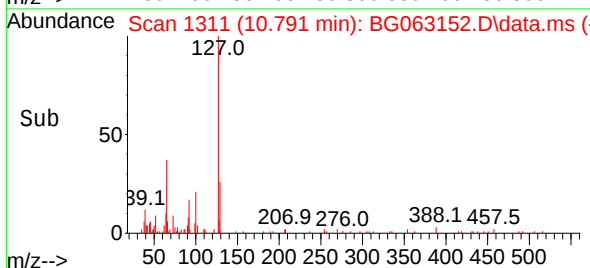
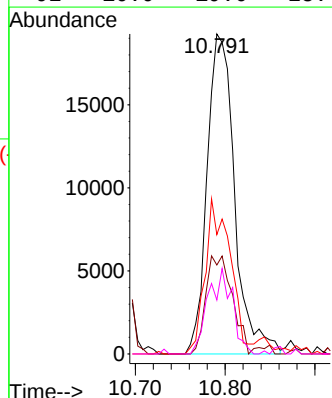
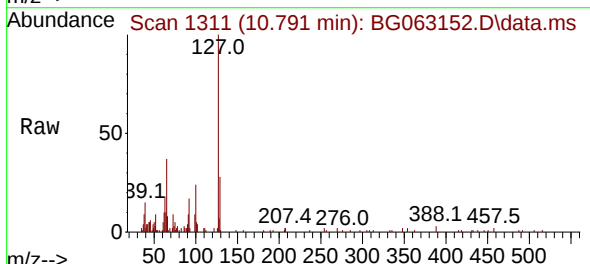
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

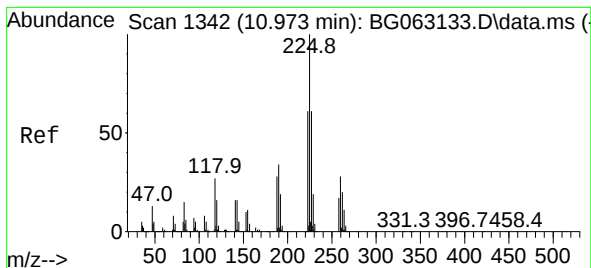
Tgt Ion:128 Resp: 116824
Ion Ratio Lower Upper
128 100
129 9.8 9.5 14.3
127 10.7 10.7 16.1#



#33
4-Chloroaniline
Concen: 5.000 ng
RT: 10.791 min Scan# 1311
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:127 Resp: 40952
Ion Ratio Lower Upper
127 100
129 27.8 25.6 38.4
65 37.3 36.4 54.6
92 16.9 19.0 28.4#

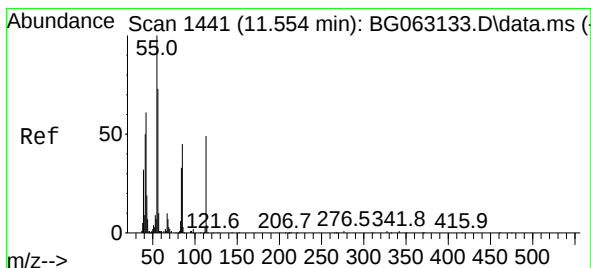
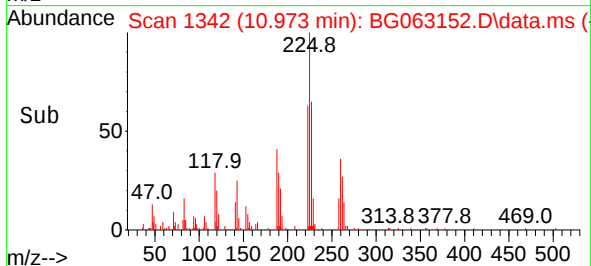
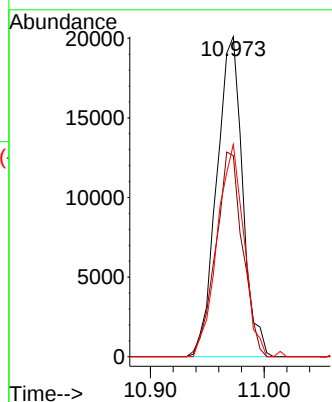
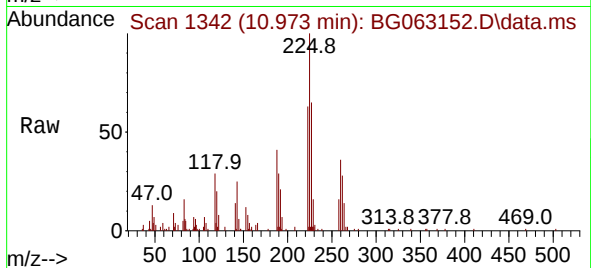




#34
Hexachlorobutadiene
Concen: 4.028 ng
RT: 10.973 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

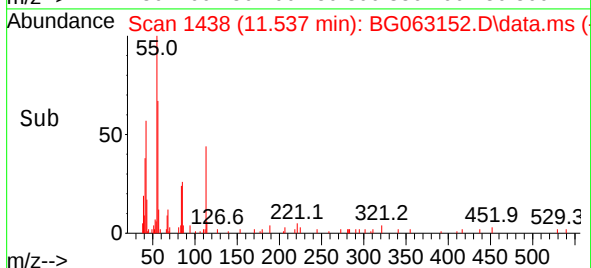
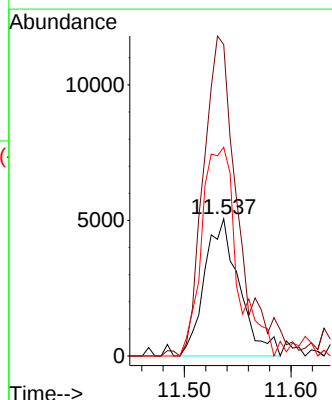
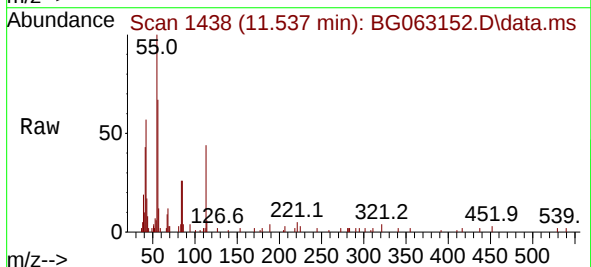
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

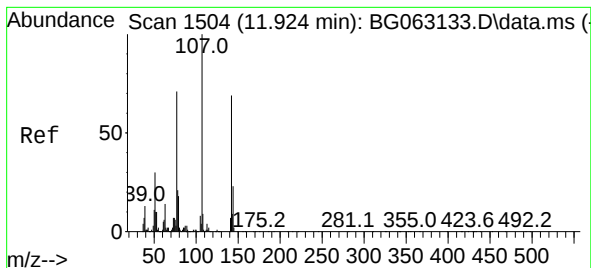
Tgt Ion:	225	Resp:	31854
Ion Ratio	Lower	Upper	
225	100		
223	62.8	46.2	69.4
227	66.3	46.2	69.4



#35
Caprolactam
Concen: 4.567 ng
RT: 11.537 min Scan# 1438
Delta R.T. -0.017 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:	113	Resp:	11393
Ion Ratio	Lower	Upper	
113	100		
55	227.0	187.0	227.0
56	152.1	130.9	170.9

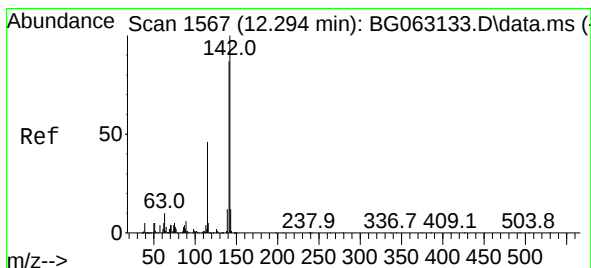
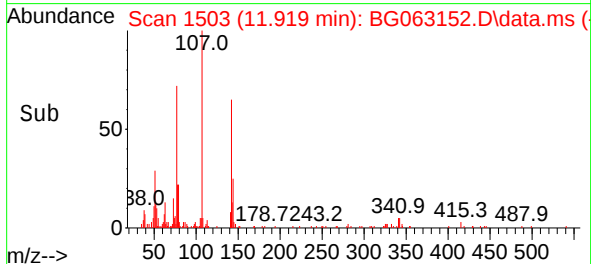
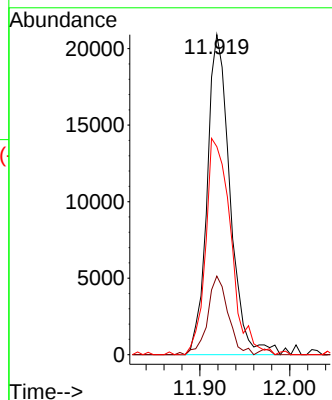
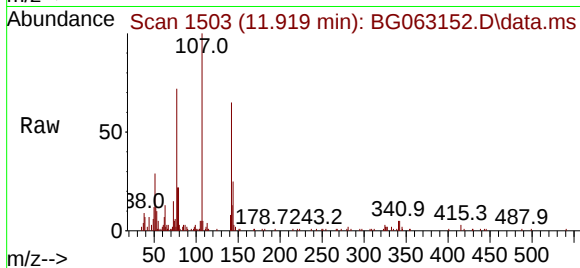




#36
4-Chloro-3-methylphenol
Concen: 4.099 ng
RT: 11.919 min Scan# 1503
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

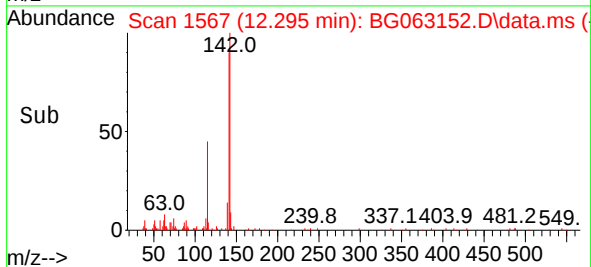
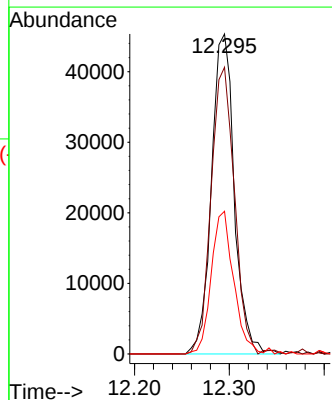
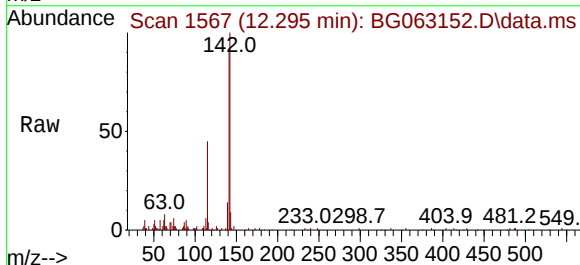
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

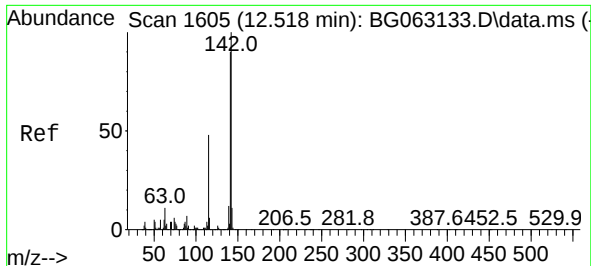
Tgt Ion:107 Resp: 36892
Ion Ratio Lower Upper
107 100
144 24.6 18.5 27.7
142 65.0 55.0 82.4



#37
2-Methylnaphthalene
Concen: 4.412 ng
RT: 12.295 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:142 Resp: 75958
Ion Ratio Lower Upper
142 100
141 89.6 69.2 103.8
115 44.6 36.6 54.8





#38

1-Methylnaphthalene

Concen: 4.148 ng

RT: 12.512 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

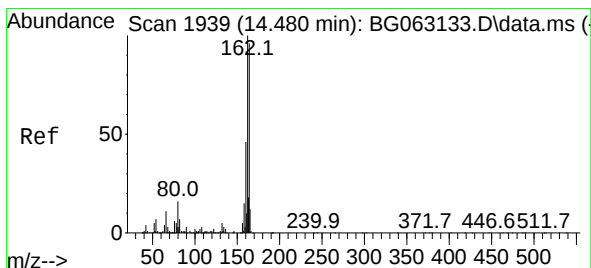
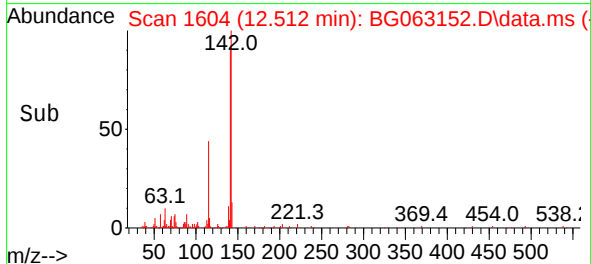
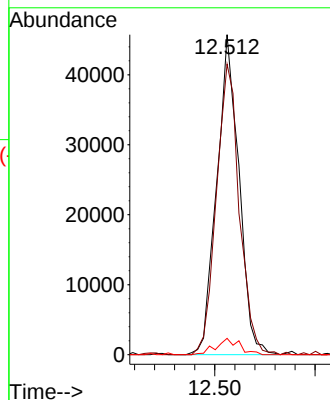
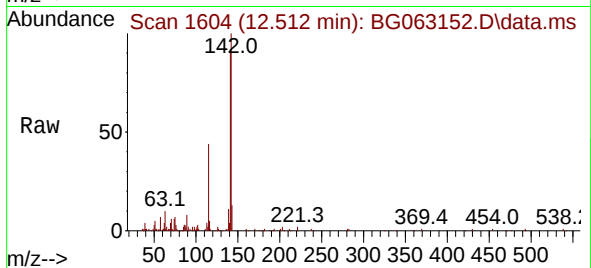
Tgt Ion:142 Resp: 70303

Ion Ratio Lower Upper

142 100

141 90.8 72.2 108.4

116 5.1 4.5 6.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.475 min Scan# 1938

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

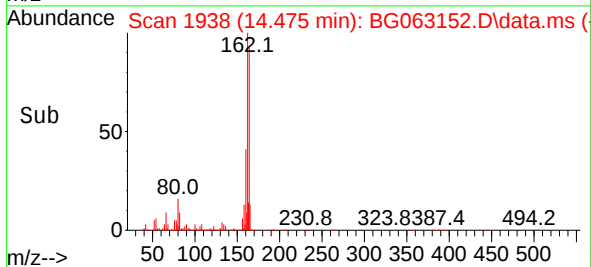
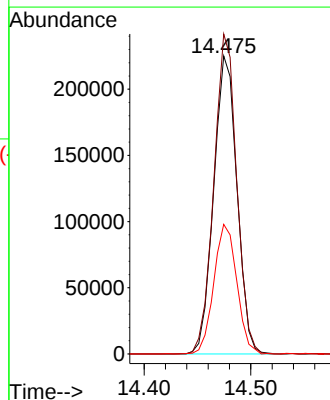
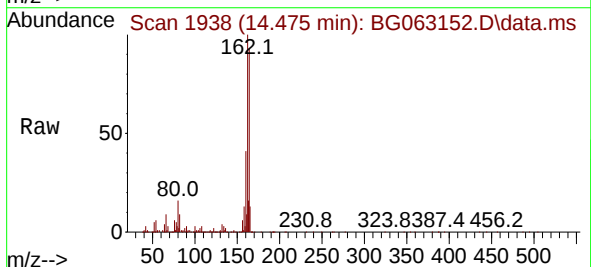
Tgt Ion:164 Resp: 340534

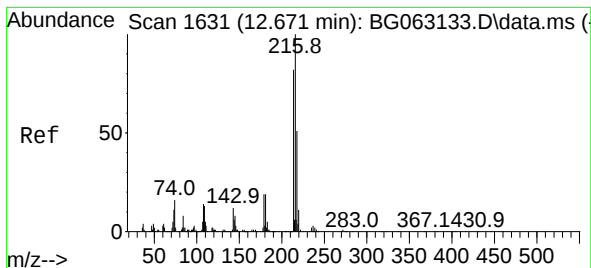
Ion Ratio Lower Upper

164 100

162 107.3 83.4 125.0

160 43.5 38.0 57.0





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.813 ng

RT: 12.665 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:216 Resp: 58891

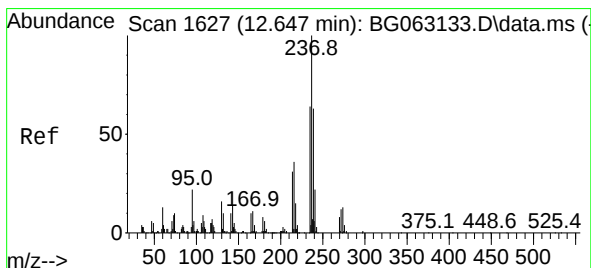
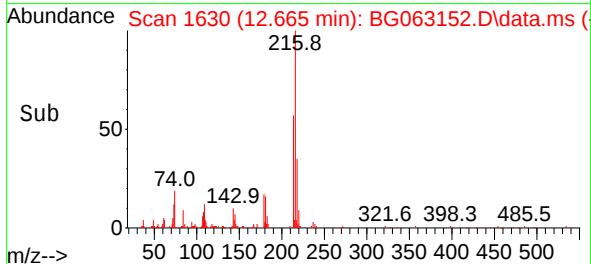
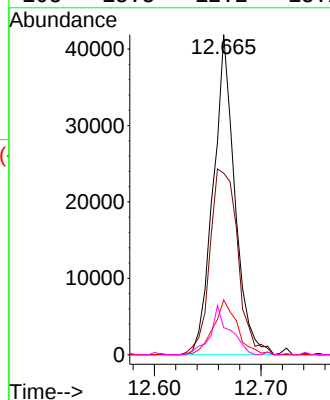
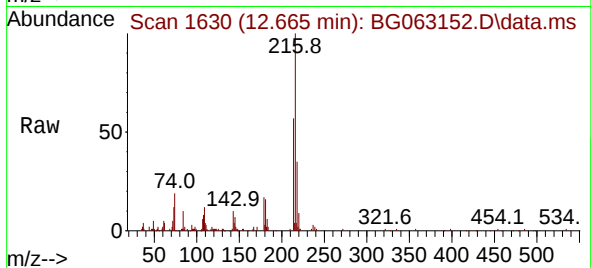
Ion Ratio Lower Upper

216 100

214 74.8 63.8 95.6

179 18.8 15.7 23.5

108 13.8 12.2 18.2



#41

Hexachlorocyclopentadiene

Concen: 2.304 ng

RT: 12.647 min Scan# 1627

Delta R.T. 0.000 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

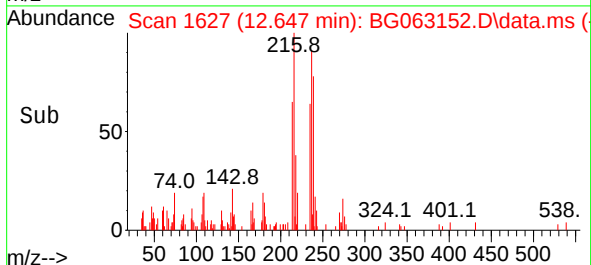
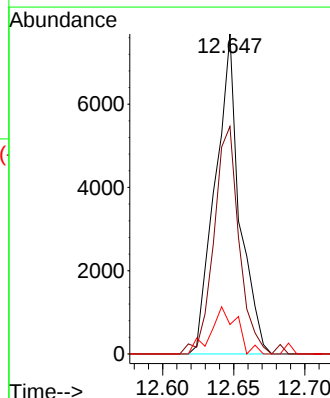
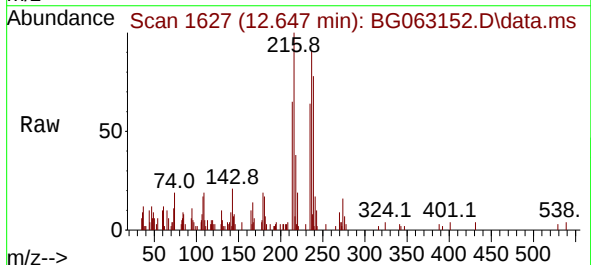
Tgt Ion:237 Resp: 9160

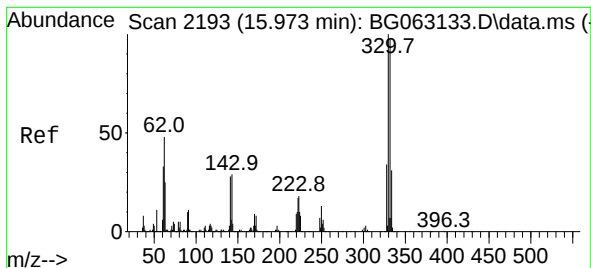
Ion Ratio Lower Upper

237 100

235 71.1 43.8 83.8

272 9.2 0.0 32.4





#42

2,4,6-Tribromophenol

Concen: 108.718 ng

RT: 15.967 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

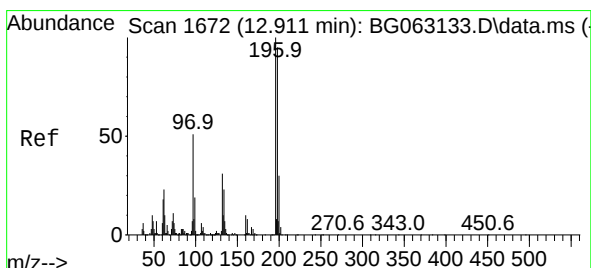
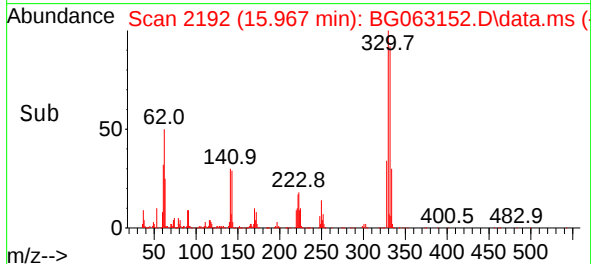
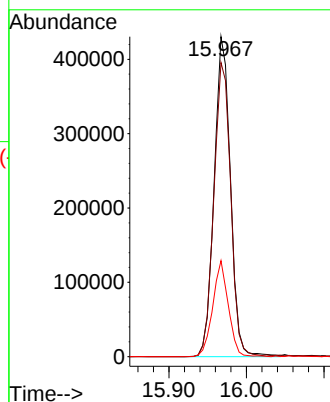
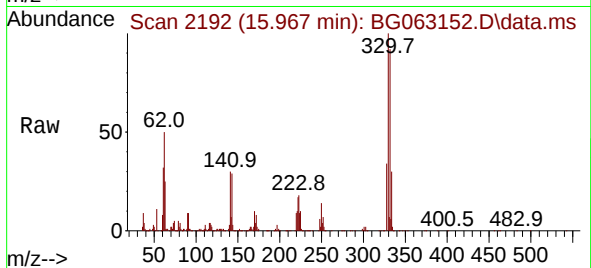
Tgt Ion:330 Resp: 628872

Ion Ratio Lower Upper

330 100

332 95.0 78.6 117.8

141 28.7 22.6 34.0



#43

2,4,6-Trichlorophenol

Concen: 4.682 ng

RT: 12.988 min Scan# 1685

Delta R.T. 0.077 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

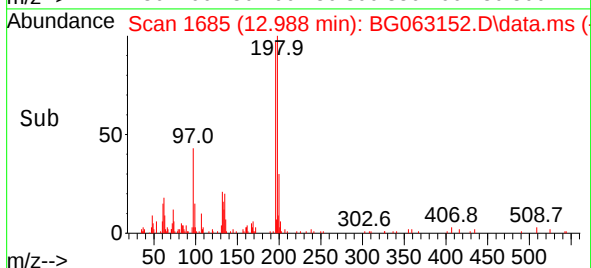
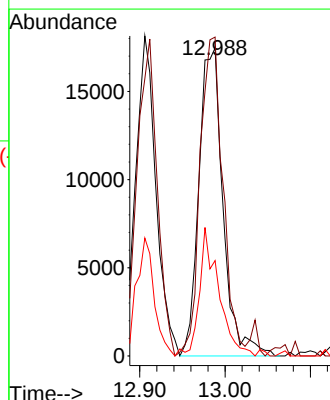
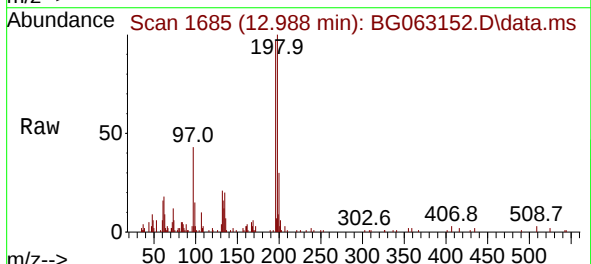
Tgt Ion:196 Resp: 34298

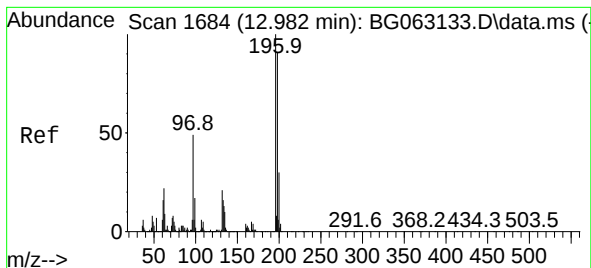
Ion Ratio Lower Upper

196 100

198 103.5 76.2 114.2

200 31.0 23.8 35.8





#44

2,4,5-Trichlorophenol

Concen: 4.258 ng

RT: 12.988 min Scan# 1

Delta R.T. 0.006 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:196 Resp: 34298

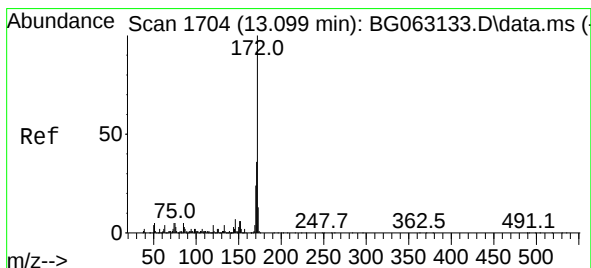
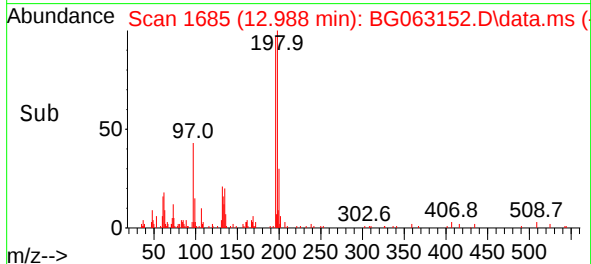
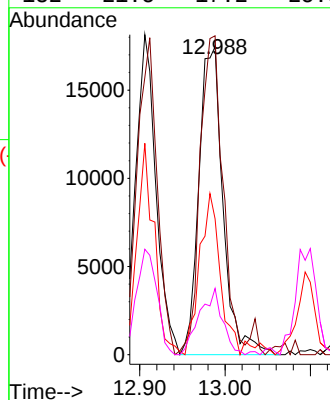
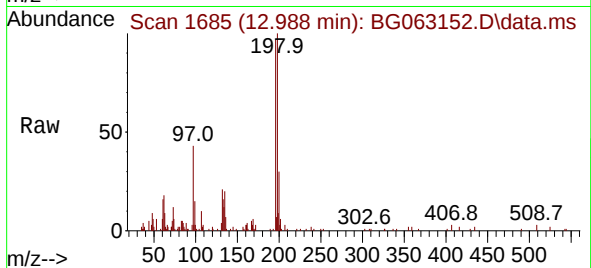
Ion Ratio Lower Upper

196 100

198 103.5 73.2 109.8

97 44.1 39.1 58.7

132 21.5 17.2 25.8



#45

2-Fluorobiphenyl

Concen: 79.787 ng

RT: 13.094 min Scan# 1703

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

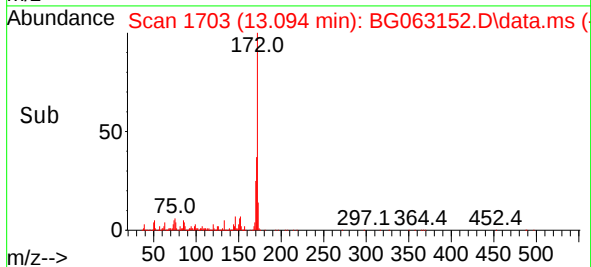
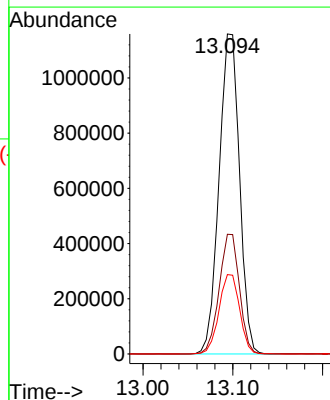
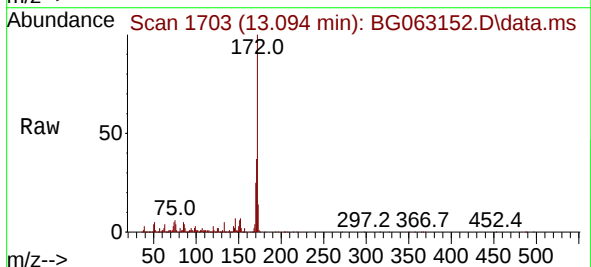
Tgt Ion:172 Resp: 1834453

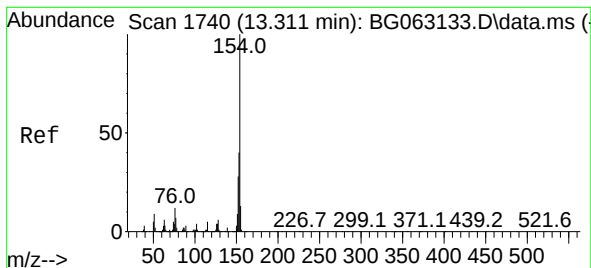
Ion Ratio Lower Upper

172 100

171 37.4 28.6 42.8

170 24.8 19.4 29.2





#46

1,1'-Biphenyl

Concen: 4.907 ng

RT: 13.305 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

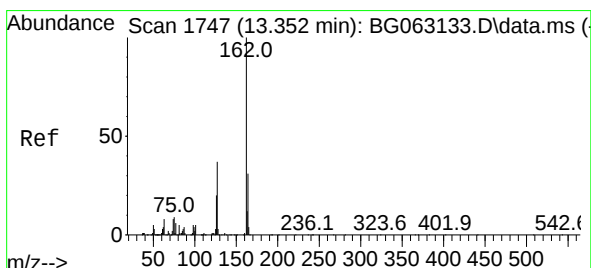
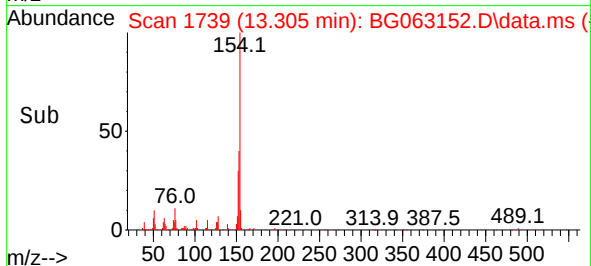
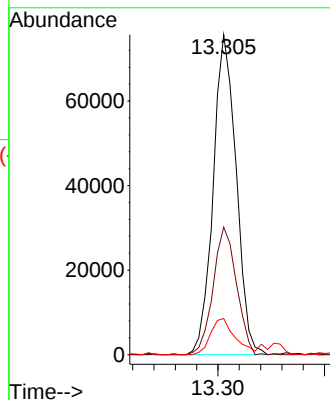
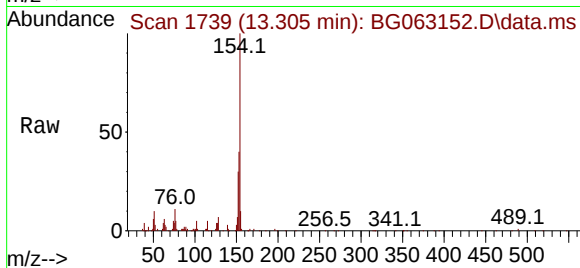
Tgt Ion:154 Resp: 113412

Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 11.3 0.0 32.5



#47

2-Chloronaphthalene

Concen: 4.446 ng

RT: 13.347 min Scan# 1746

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

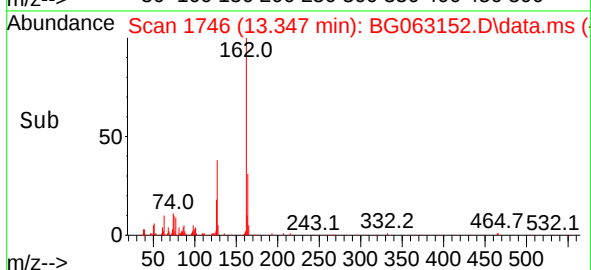
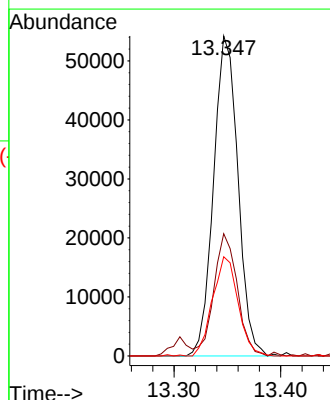
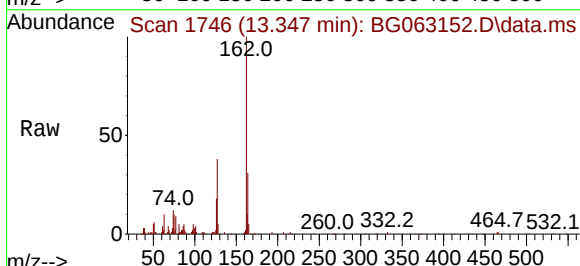
Tgt Ion:162 Resp: 86066

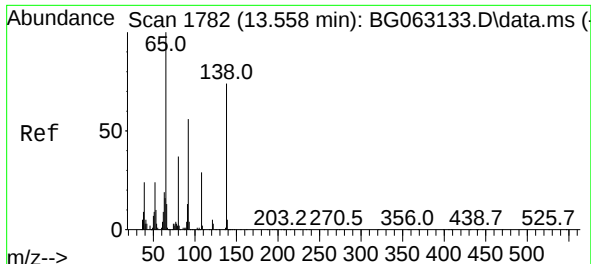
Ion Ratio Lower Upper

162 100

127 38.2 30.3 45.5

164 31.0 24.6 36.8





#48

2-Nitroaniline

Concen: 4.034 ng

RT: 13.552 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

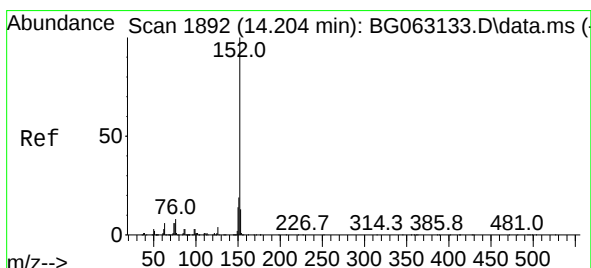
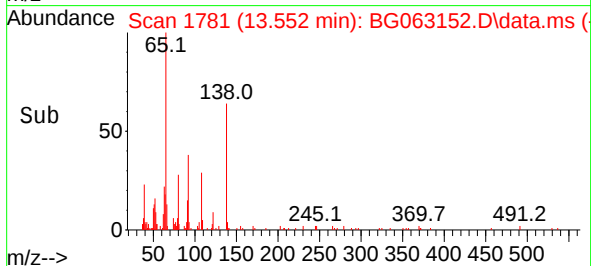
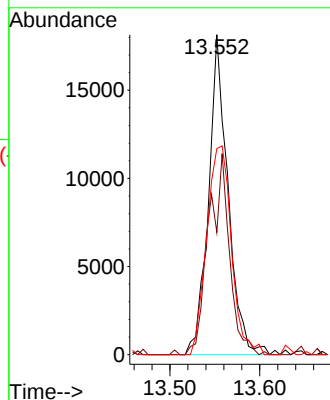
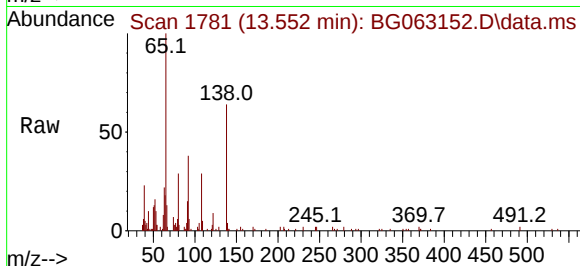
Tgt Ion: 65 Resp: 27406

Ion Ratio Lower Upper

65 100

92 38.2 44.6 66.8#

138 64.4 59.0 88.4



#49

Acenaphthylene

Concen: 5.024 ng

RT: 14.193 min Scan# 1890

Delta R.T. -0.011 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

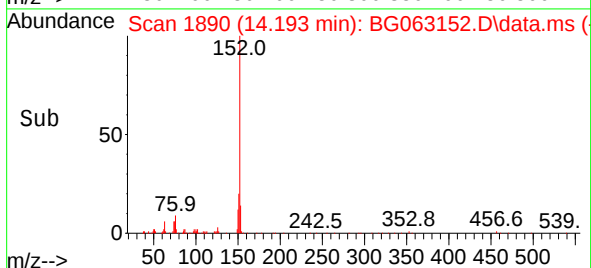
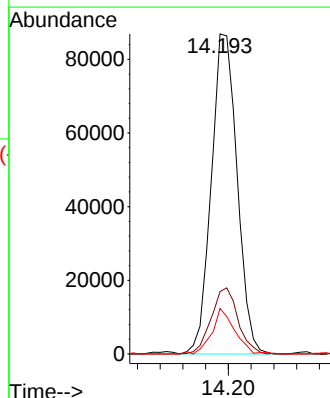
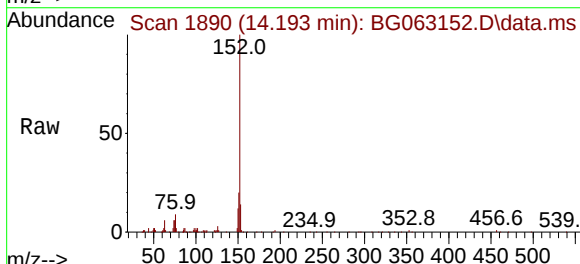
Tgt Ion:152 Resp: 137290

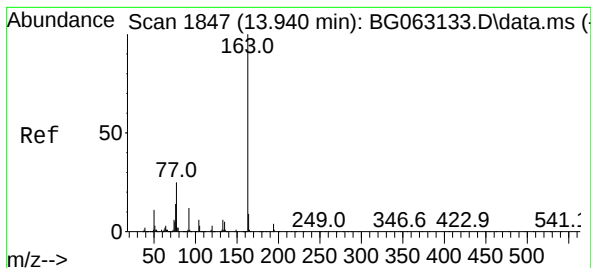
Ion Ratio Lower Upper

152 100

151 19.5 15.0 22.4

153 14.2 10.1 15.1





#50

Dimethylphthalate

Concen: 4.452 ng

RT: 13.928 min Scan# 1845

Delta R.T. -0.011 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

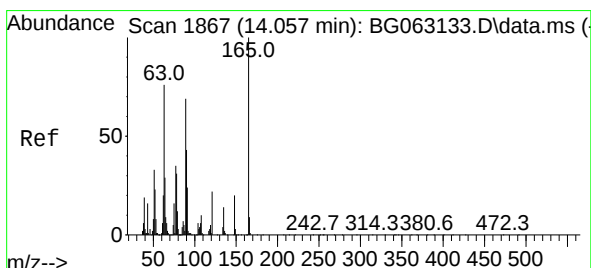
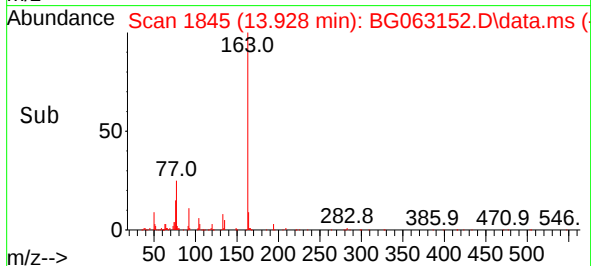
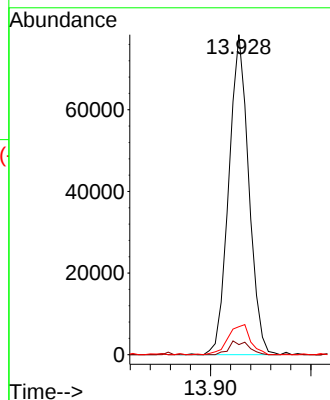
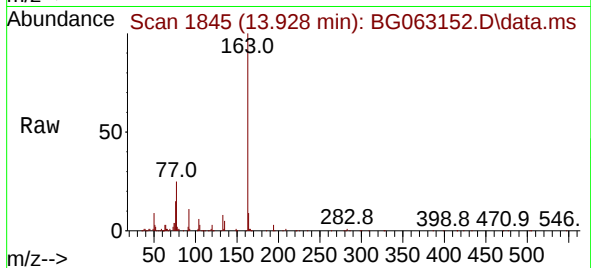
Tgt Ion:163 Resp: 108062

Ion Ratio Lower Upper

163 100

194 3.1 3.4 5.0#

164 8.8 7.0 10.6



#51

2,6-Dinitrotoluene

Concen: 4.256 ng

RT: 14.052 min Scan# 1866

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

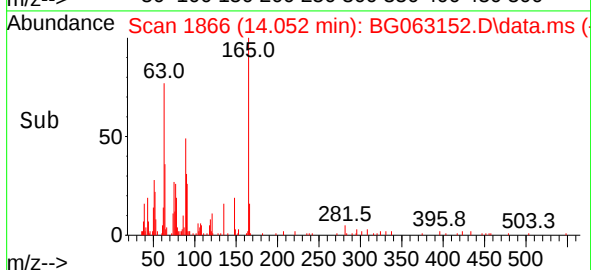
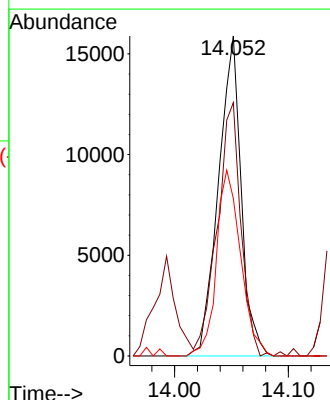
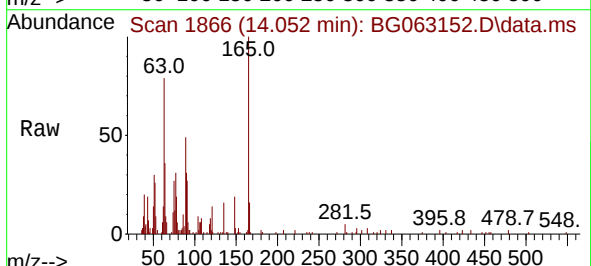
Tgt Ion:165 Resp: 22056

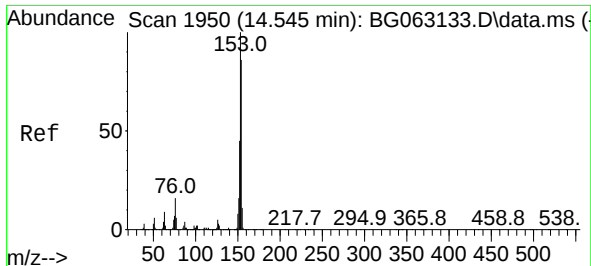
Ion Ratio Lower Upper

165 100

63 79.2 63.8 95.8

89 49.2 55.1 82.7#

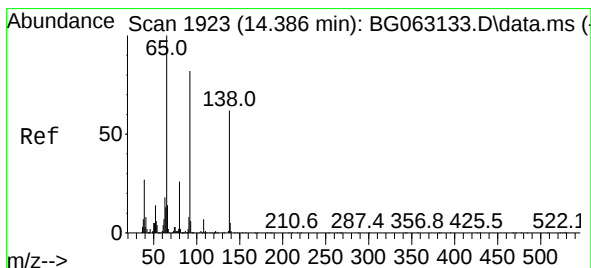
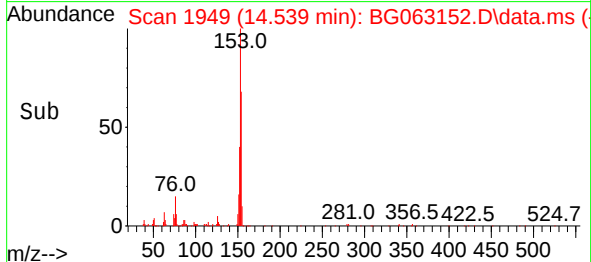
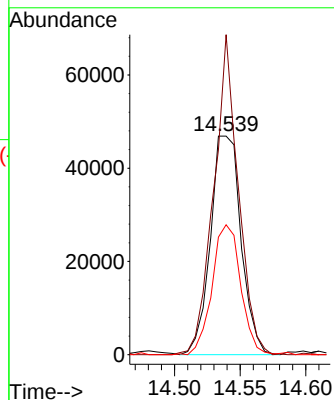
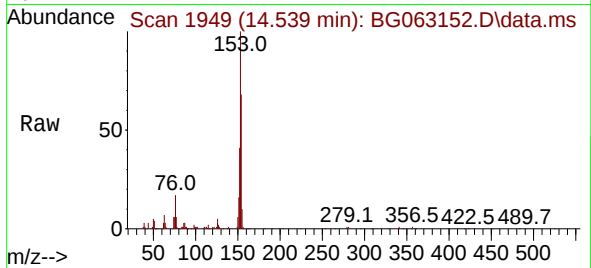




#52
Acenaphthene
Concen: 4.501 ng
RT: 14.539 min Scan# 1949
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

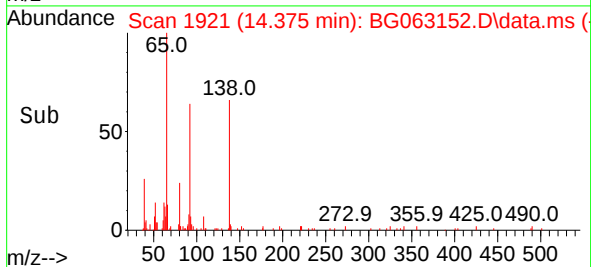
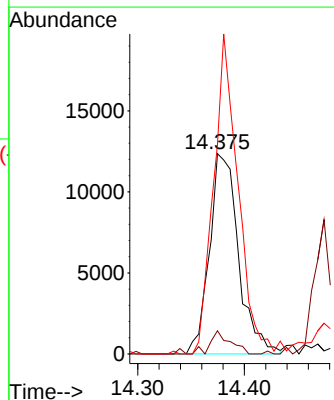
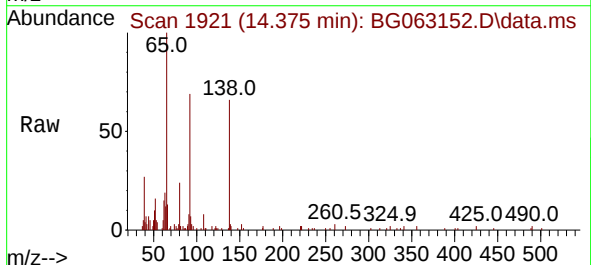
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

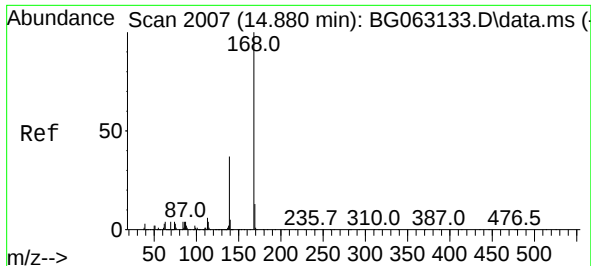
Tgt Ion:154 Resp: 76151
Ion Ratio Lower Upper
154 100
153 146.4 93.1 139.7#
152 59.4 42.2 63.2



#53
3-Nitroaniline
Concen: 4.748 ng
RT: 14.375 min Scan# 1921
Delta R.T. -0.011 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:138 Resp: 23358
Ion Ratio Lower Upper
138 100
108 11.6 9.4 14.0
92 104.7 106.2 159.2#

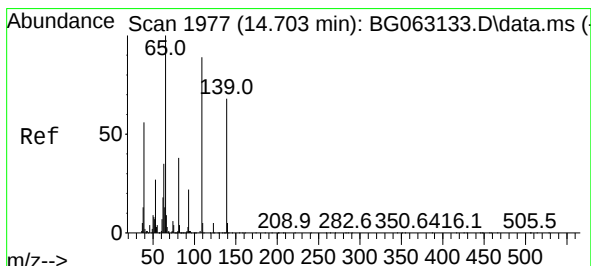
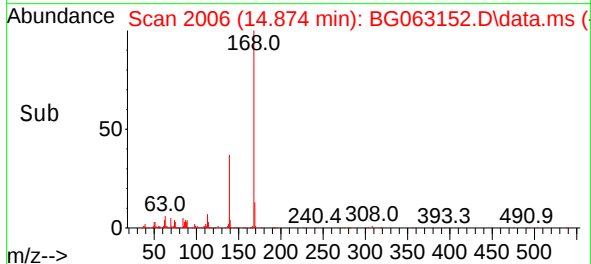
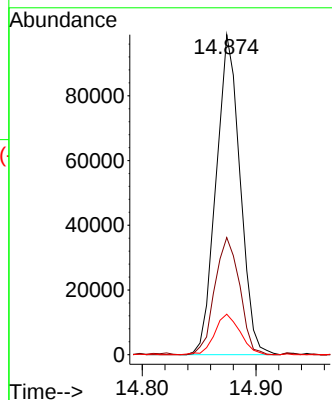
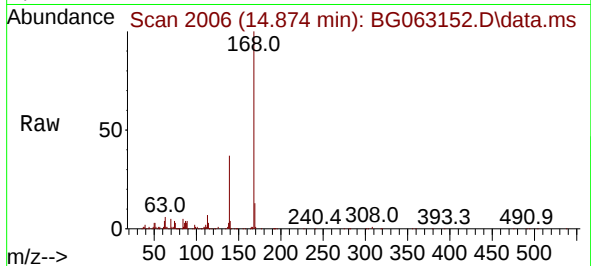




#55
Dibenzofuran
Concen: 4.866 ng
RT: 14.874 min Scan# 2007
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

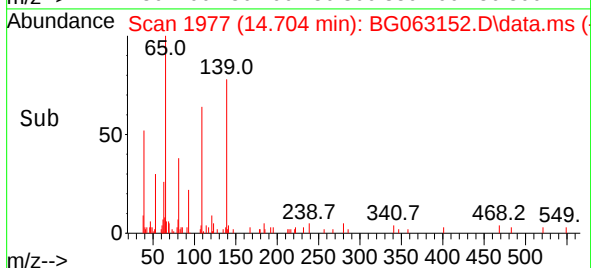
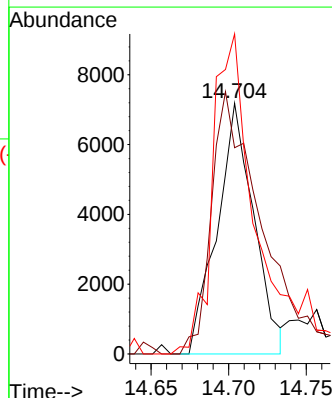
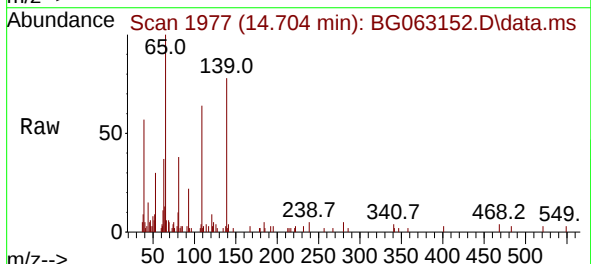
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

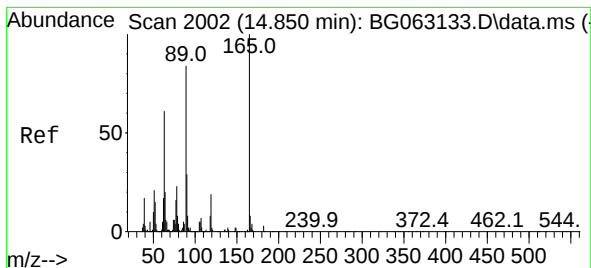
Tgt Ion:168 Resp: 145151
Ion Ratio Lower Upper
168 100
139 36.6 29.9 44.9
169 12.6 10.4 15.6



#56
4-Nitrophenol
Concen: 3.178 ng
RT: 14.704 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:139 Resp: 11839
Ion Ratio Lower Upper
139 100
109 82.2 112.0 152.0#
65 127.6 127.6 167.6

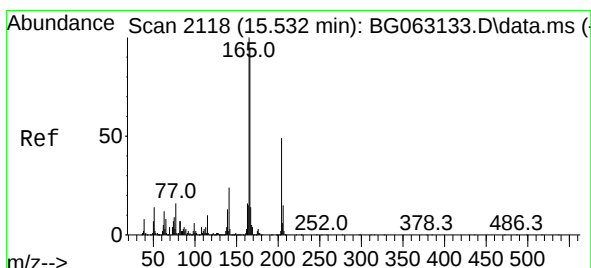
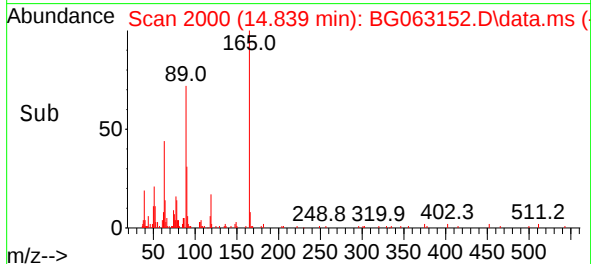
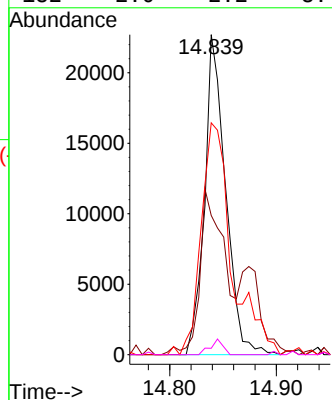
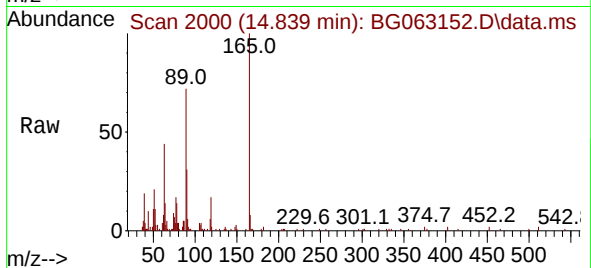




#57
2,4-Dinitrotoluene
Concen: 4.198 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.011 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

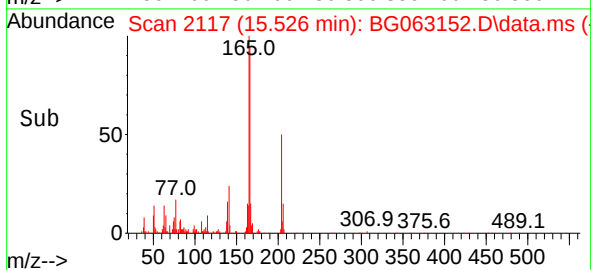
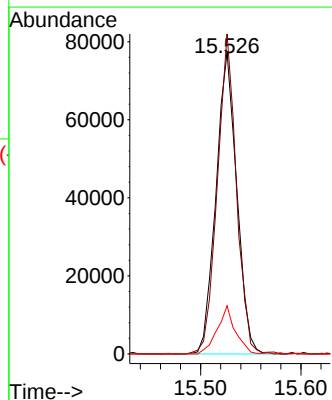
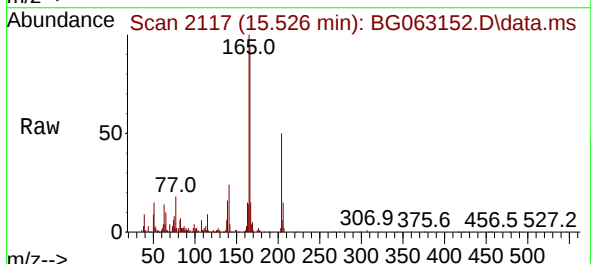
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

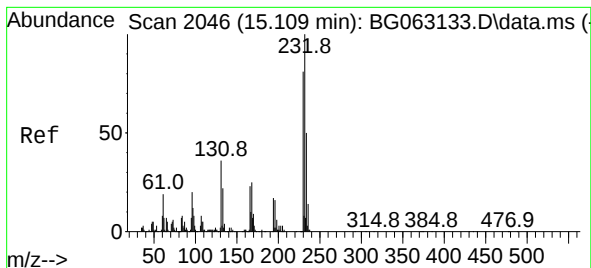
Tgt Ion:165 Resp: 31115
Ion Ratio Lower Upper
165 100
63 43.5 49.0 73.4#
89 72.4 67.4 101.0
182 2.0 2.2 3.4#



#58
Fluorene
Concen: 4.690 ng
RT: 15.526 min Scan# 2117
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:166 Resp: 110876
Ion Ratio Lower Upper
166 100
165 106.2 84.1 126.1
167 16.0 11.6 17.4

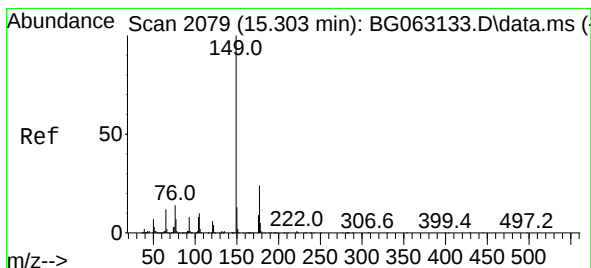
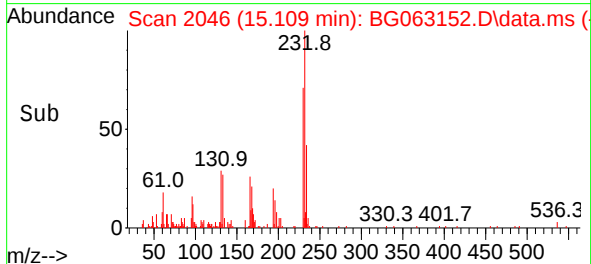
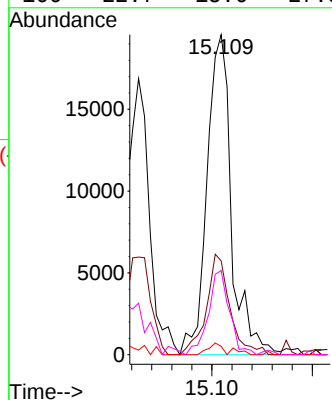
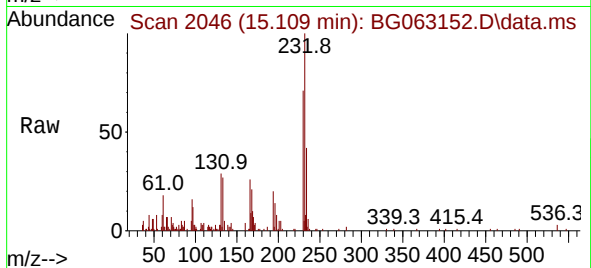




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.283 ng
RT: 15.109 min Scan# 2046
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

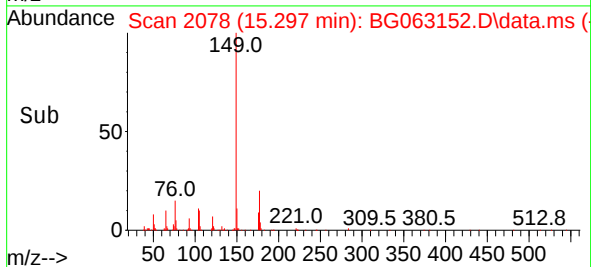
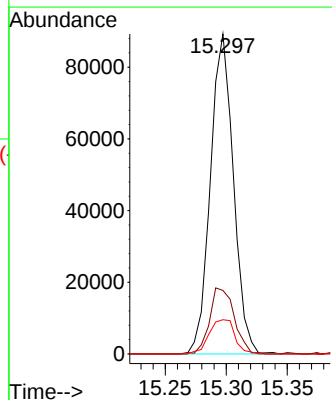
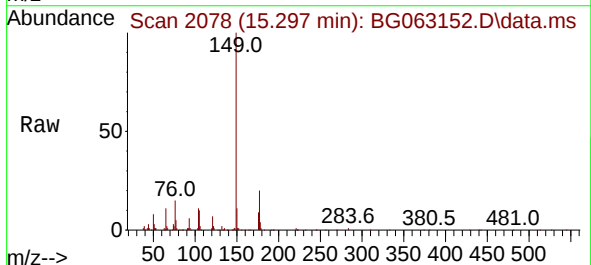
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

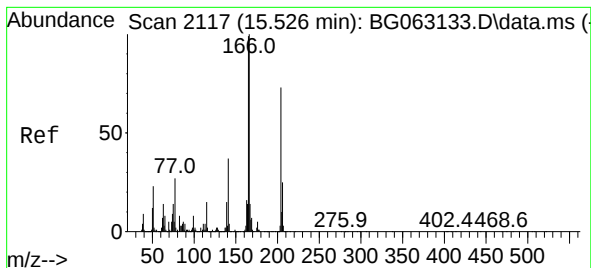
Tgt Ion:	232	Resp:	33109
Ion	Ratio	Lower	Upper
232	100		
131	30.3	26.8	40.2
130	2.0	1.8	2.8
166	22.7	18.6	27.8



#60
Diethylphthalate
Concen: 4.690 ng
RT: 15.297 min Scan# 2078
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:	149	Resp:	116883
Ion	Ratio	Lower	Upper
149	100		
177	19.9	18.8	28.2
150	10.7	10.2	15.4

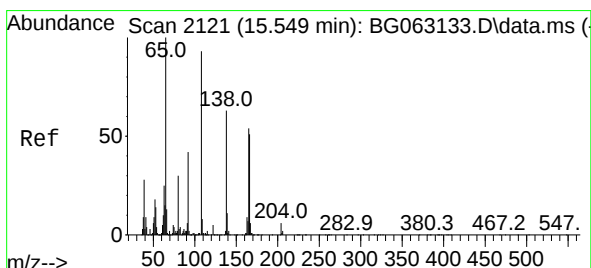
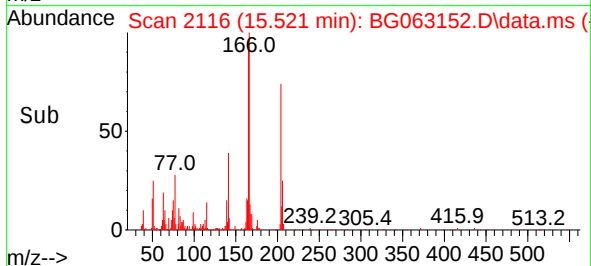
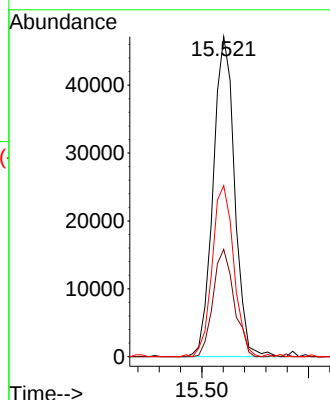
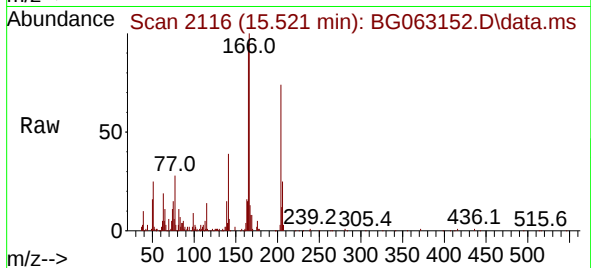




#61
4-Chlorophenyl-phenylether
Concen: 4.481 ng
RT: 15.521 min Scan# 2117
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

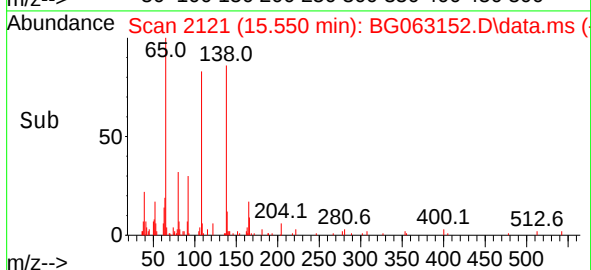
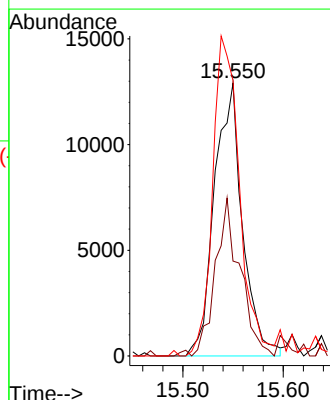
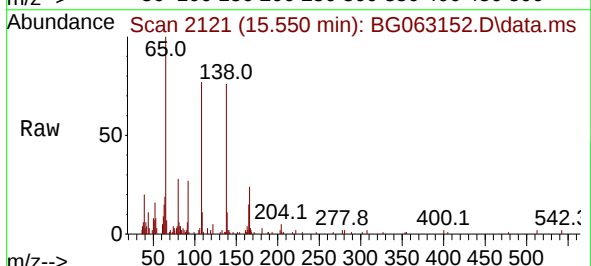
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

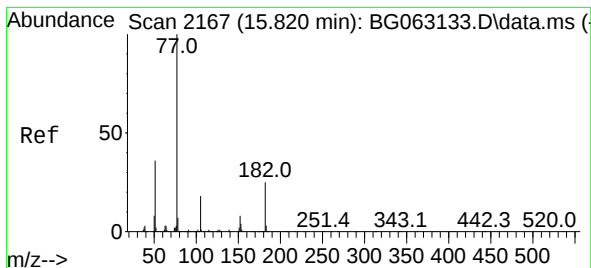
Tgt Ion:204 Resp: 65845
Ion Ratio Lower Upper
204 100
206 33.6 27.0 40.4
141 53.5 41.0 61.4



#62
4-Nitroaniline
Concen: 4.605 ng
RT: 15.550 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:138 Resp: 24998
Ion Ratio Lower Upper
138 100
92 34.8 46.2 86.2#
108 100.9 126.8 166.8#





#63

Azobenzene

Concen: 4.650 ng

RT: 15.814 min Scan# 2166

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 77 Resp: 119856

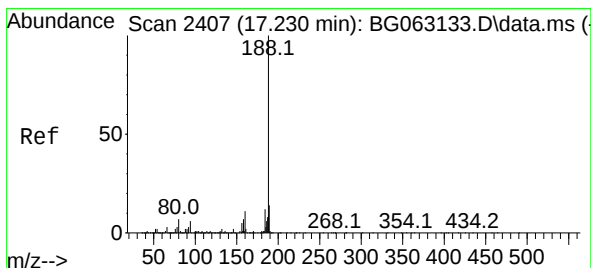
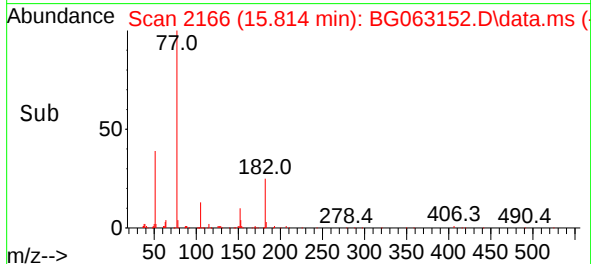
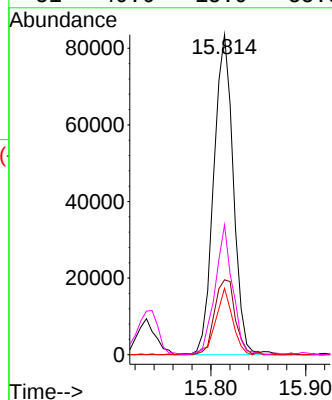
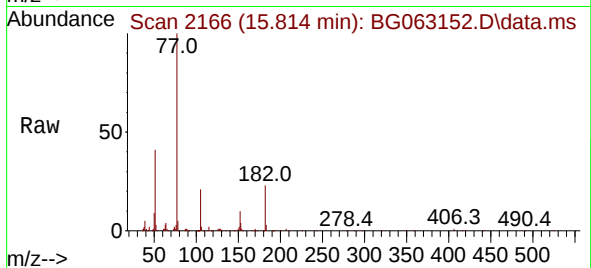
Ion Ratio Lower Upper

77 100

182 23.4 5.4 45.4

105 20.7 0.0 37.5

51 40.6 15.9 55.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.224 min Scan# 2406

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

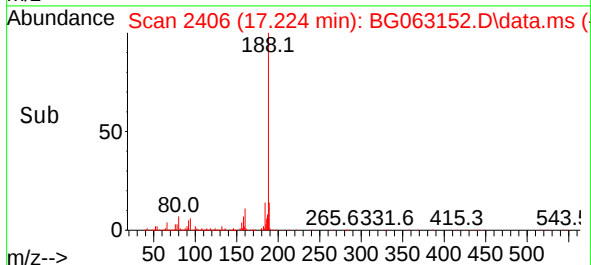
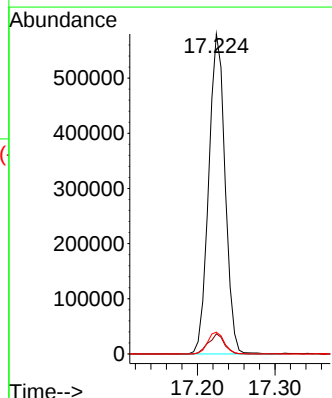
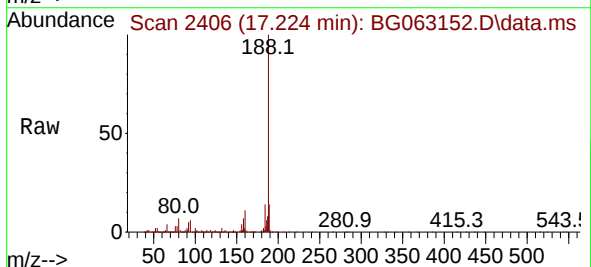
Tgt Ion:188 Resp: 849679

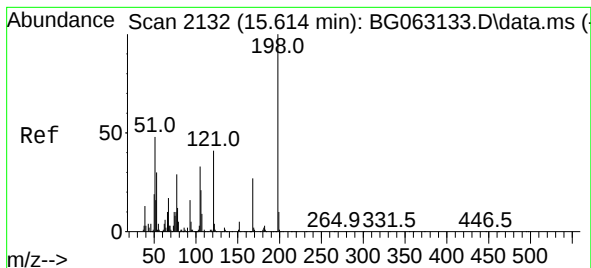
Ion Ratio Lower Upper

188 100

94 6.3 4.8 7.2

80 6.8 5.9 8.9

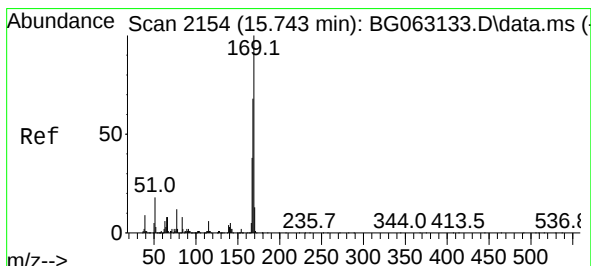
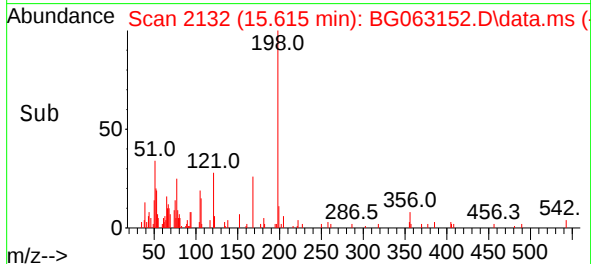
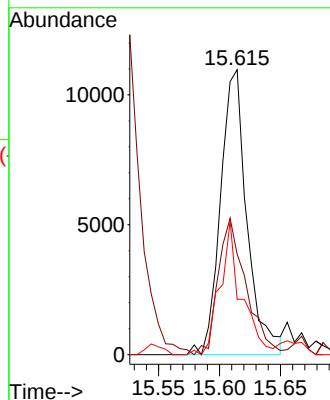
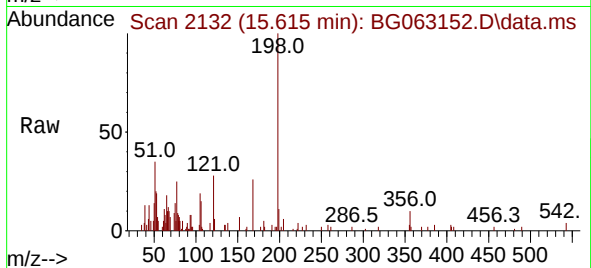




#65
4,6-Dinitro-2-methylphenol
Concen: 3.040 ng
RT: 15.615 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

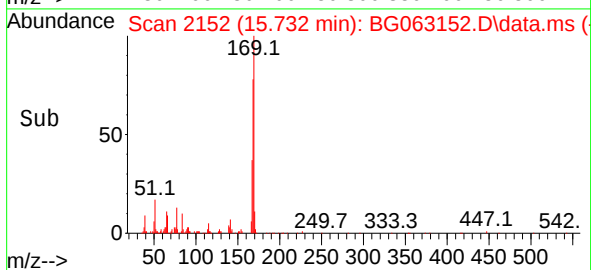
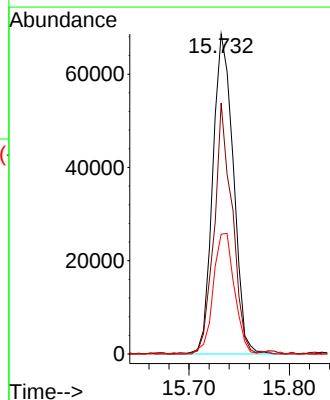
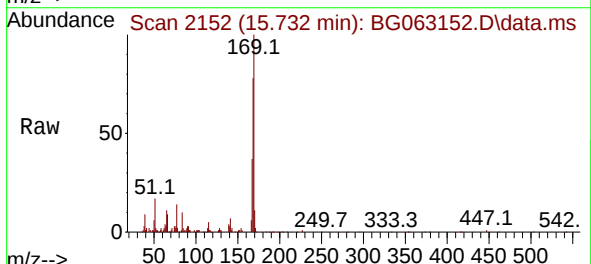
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

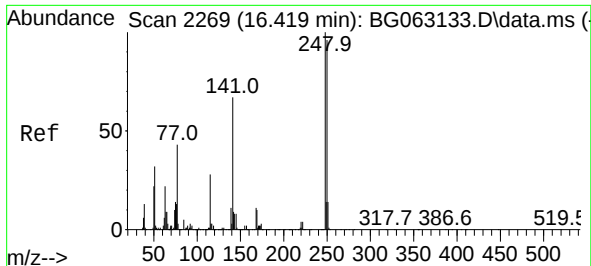
Tgt Ion:198 Resp: 16605
Ion Ratio Lower Upper
198 100
51 35.2 30.3 70.3
105 19.4 13.6 53.6



#66
n-Nitrosodiphenylamine
Concen: 4.616 ng
RT: 15.732 min Scan# 2152
Delta R.T. -0.011 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:169 Resp: 97850
Ion Ratio Lower Upper
169 100
168 78.4 54.8 82.2
167 37.5 30.2 45.4

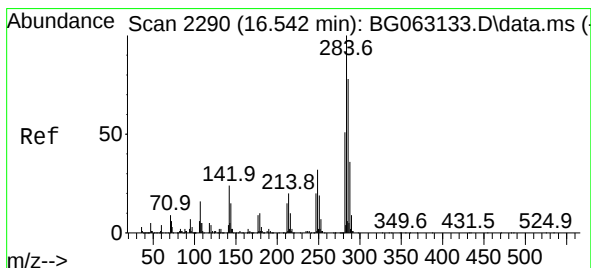
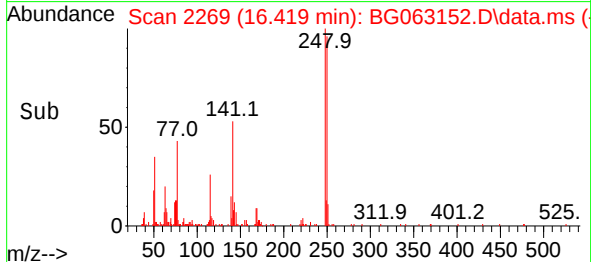
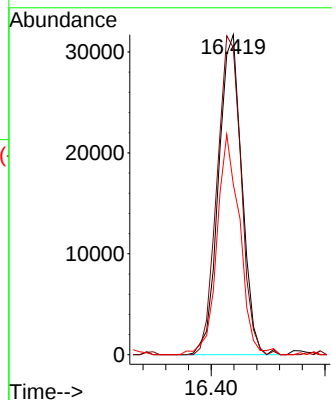
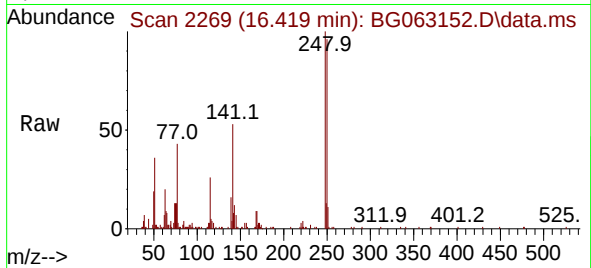




#67
4-Bromophenyl-phenylether
Concen: 4.333 ng
RT: 16.419 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

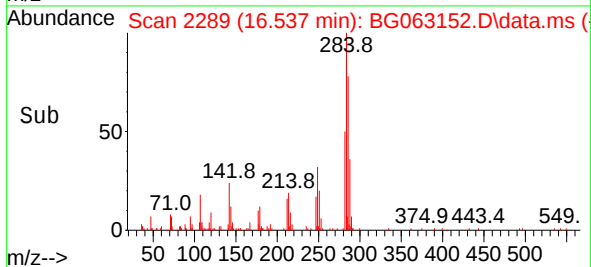
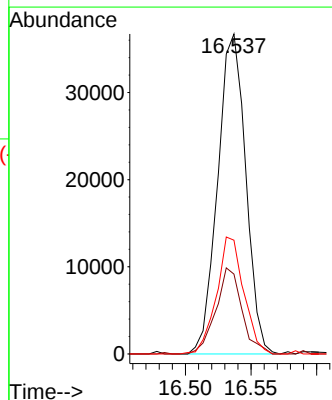
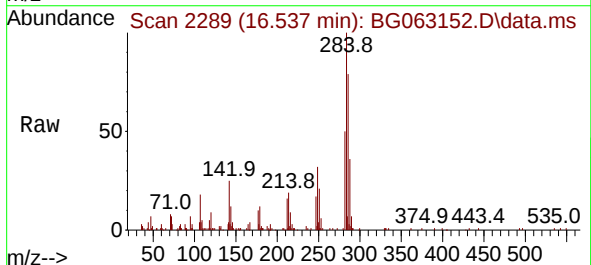
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

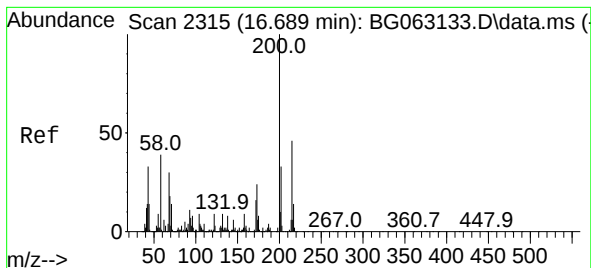
Tgt Ion:248 Resp: 45118
Ion Ratio Lower Upper
248 100
250 96.0 76.6 115.0
141 53.2 53.9 80.9#



#68
Hexachlorobenzene
Concen: 4.528 ng
RT: 16.537 min Scan# 2289
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:284 Resp: 54623
Ion Ratio Lower Upper
284 100
142 25.0 19.0 28.6
249 35.5 25.8 38.8





#69

Atrazine

Concen: 4.629 ng

RT: 16.684 min Scan# 2315

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

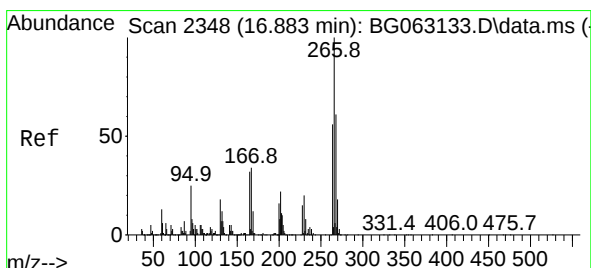
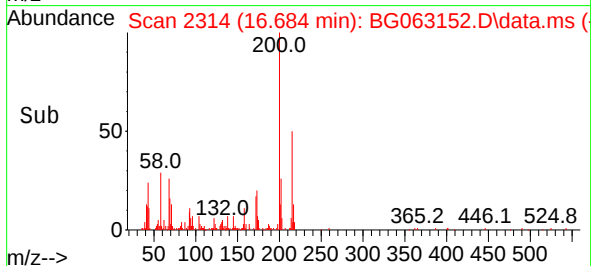
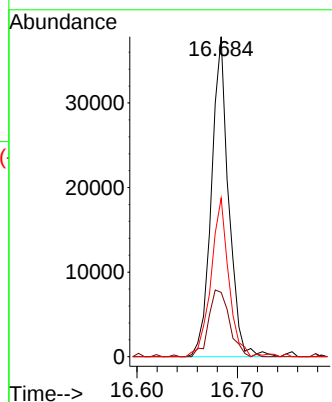
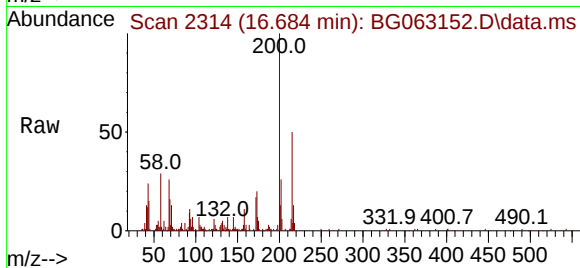
Tgt Ion:200 Resp: 45104

Ion Ratio Lower Upper

200 100

173 20.1 3.6 43.6

215 49.6 25.8 65.8



#70

Pentachlorophenol

Concen: 2.008 ng

RT: 16.884 min Scan# 2348

Delta R.T. 0.000 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

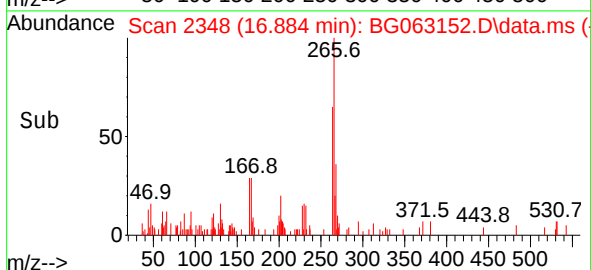
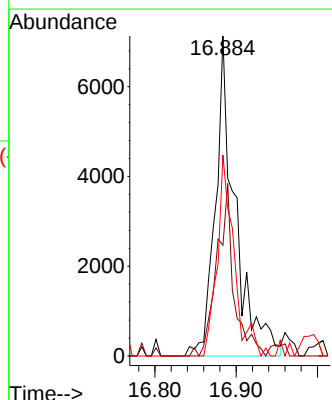
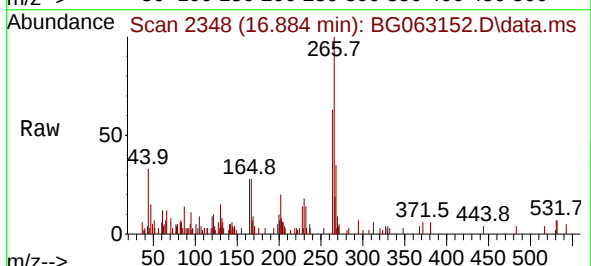
Tgt Ion:266 Resp: 12054

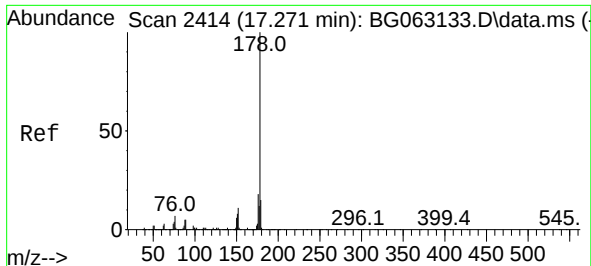
Ion Ratio Lower Upper

266 100

268 34.6 48.8 73.2#

264 62.7 45.0 67.4

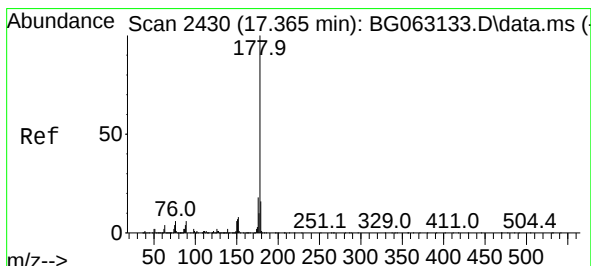
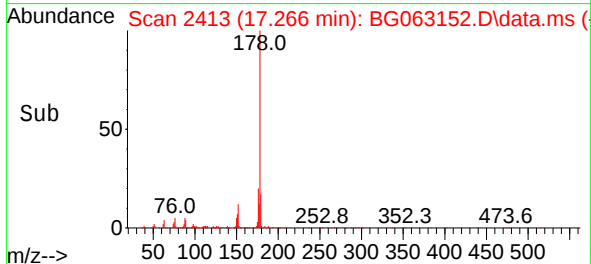
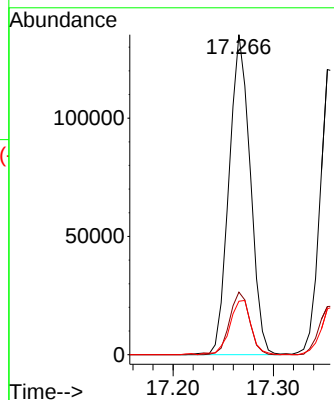
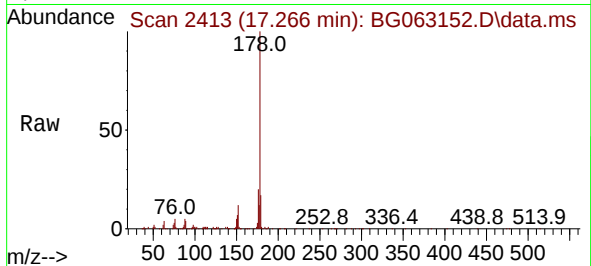




#71
Phenanthrene
Concen: 4.822 ng
RT: 17.266 min Scan# 2413
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

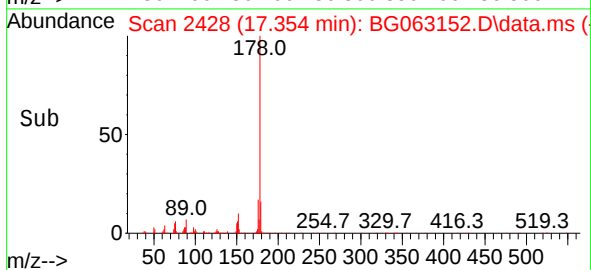
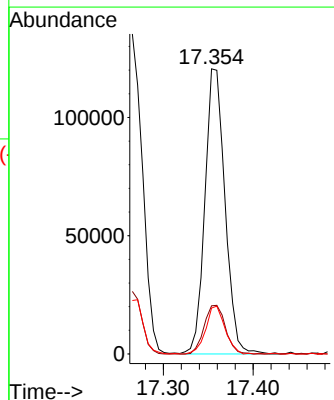
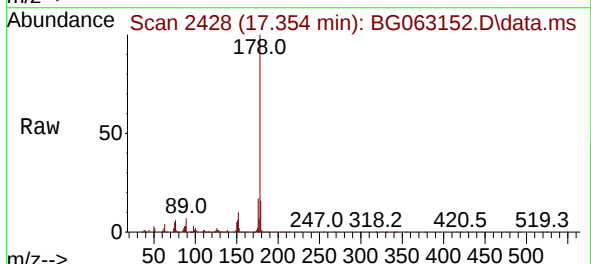
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

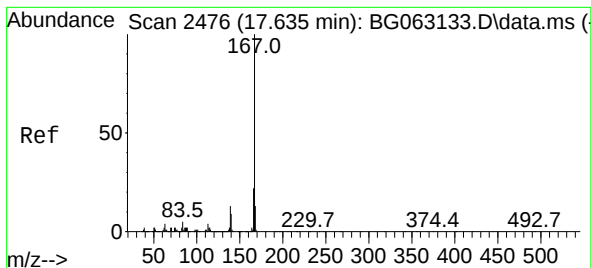
Tgt Ion:178 Resp: 198624
Ion Ratio Lower Upper
178 100
176 19.6 14.6 22.0
179 16.7 12.3 18.5



#72
Anthracene
Concen: 4.632 ng
RT: 17.354 min Scan# 2428
Delta R.T. -0.011 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:178 Resp: 187272
Ion Ratio Lower Upper
178 100
176 16.9 14.6 22.0
179 16.1 12.4 18.6





#73

Carbazole

Concen: 4.659 ng

RT: 17.630 min Scan# 2476

Delta R.T. -0.006 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

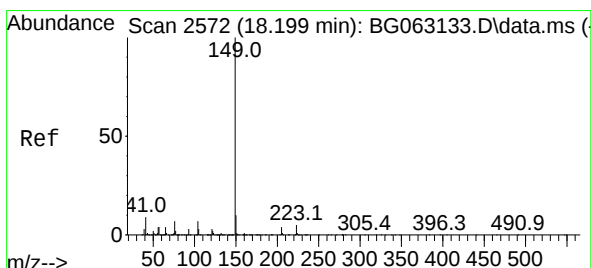
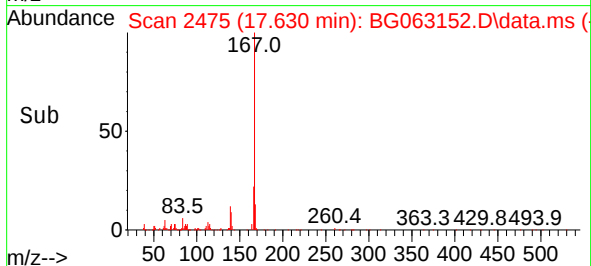
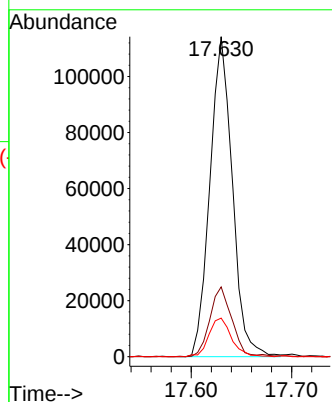
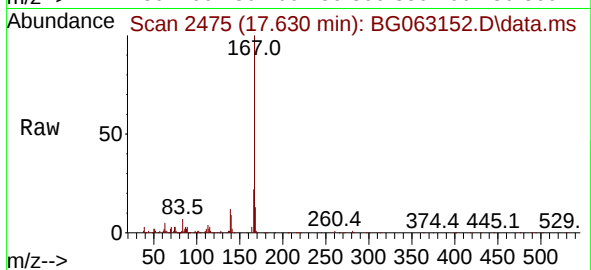
Tgt Ion:167 Resp: 177325

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.2

139 12.1 10.3 15.5



#74

Di-n-butylphthalate

Concen: 4.673 ng

RT: 18.194 min Scan# 2571

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

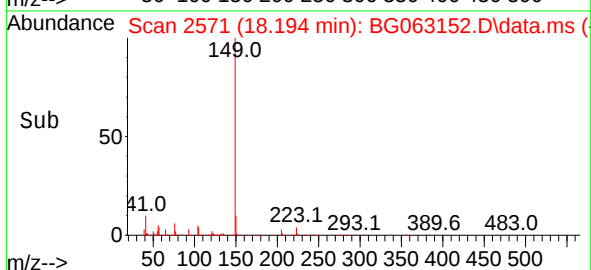
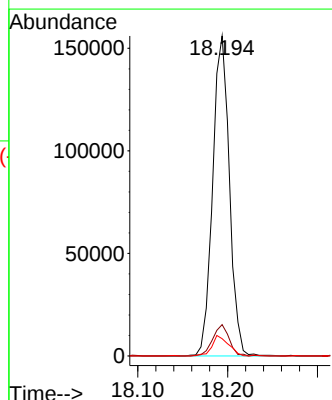
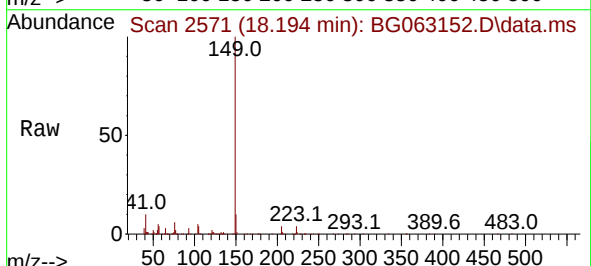
Tgt Ion:149 Resp: 201924

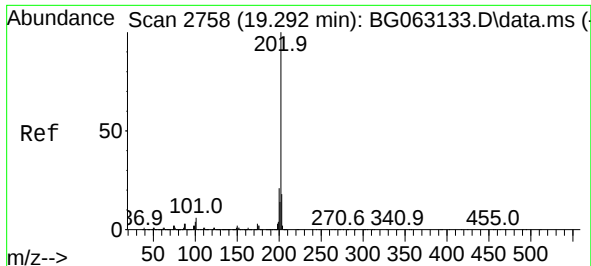
Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.8

104 5.4 5.4 8.0

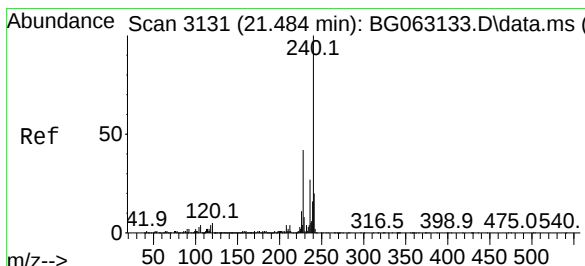
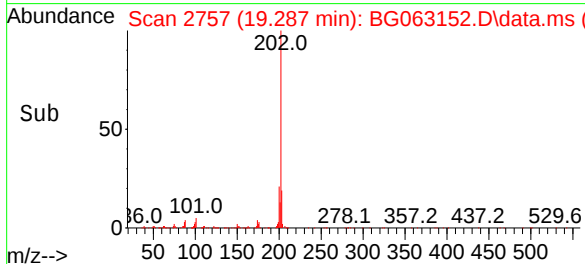
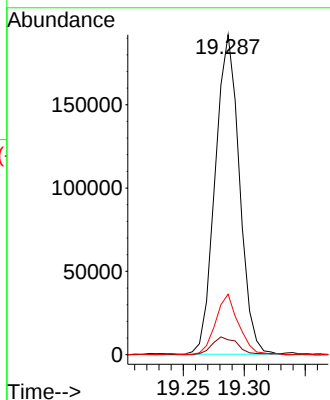
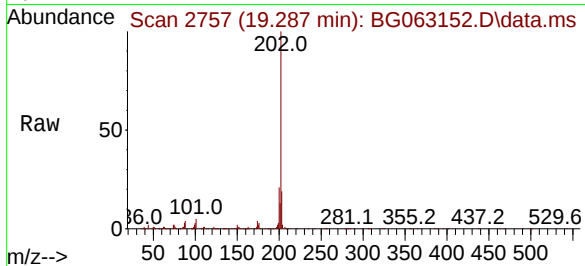




#75
Fluoranthene
Concen: 4.550 ng
RT: 19.287 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

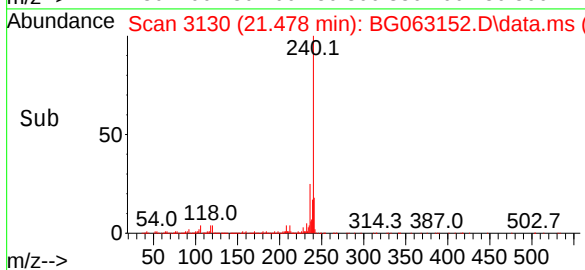
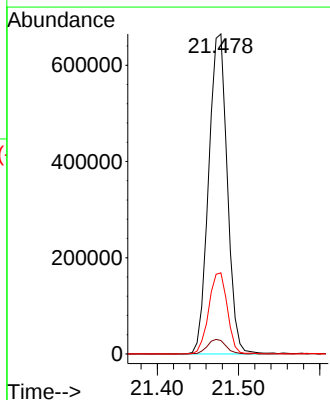
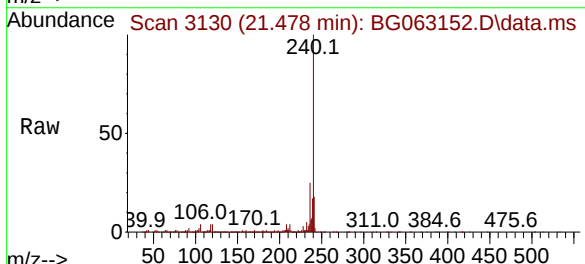
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

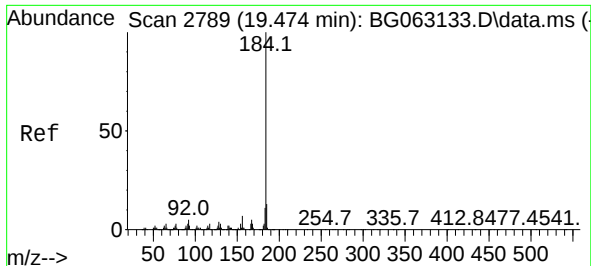
Tgt Ion:202 Resp: 265300
Ion Ratio Lower Upper
202 100
101 4.6 0.0 25.8
203 18.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.478 min Scan# 3130
Delta R.T. -0.005 min
Lab File: BG063152.D
Acq: 4 Nov 2024 12:04

Tgt Ion:240 Resp: 1058119
Ion Ratio Lower Upper
240 100
120 4.2 3.9 5.9
236 25.4 21.4 32.2





#77

Benzidine

Concen: 6.930 ng

RT: 19.469 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

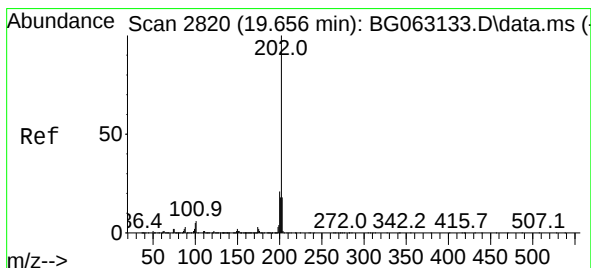
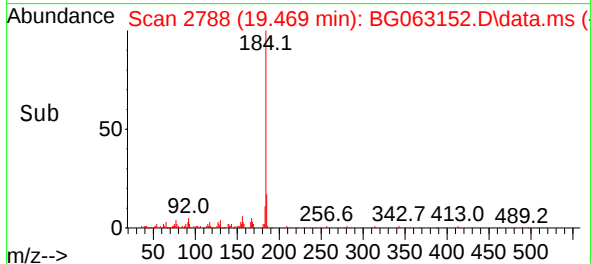
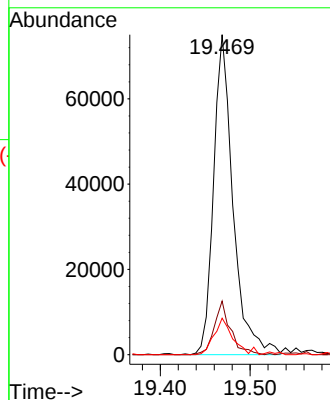
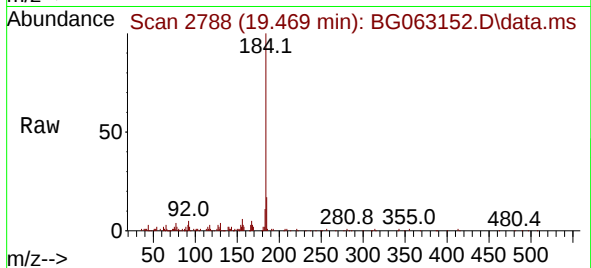
Tgt Ion:184 Resp: 112974

Ion Ratio Lower Upper

184 100

185 16.7 10.6 16.0#

183 11.4 8.6 12.8



#78

Pyrene

Concen: 4.658 ng

RT: 19.651 min Scan# 2819

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

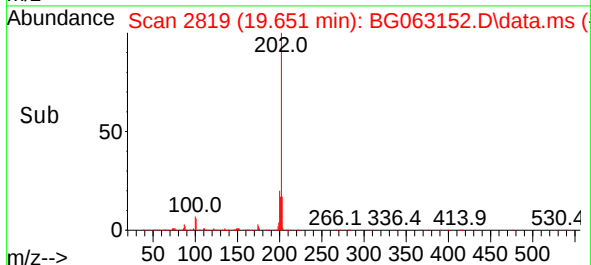
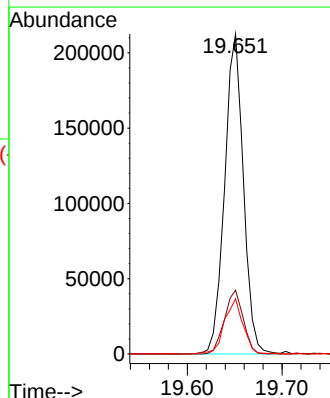
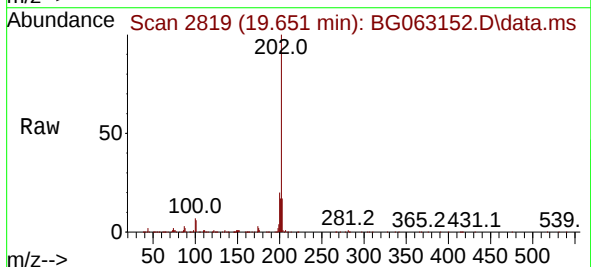
Tgt Ion:202 Resp: 292180

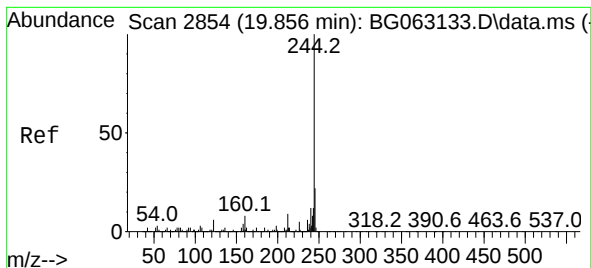
Ion Ratio Lower Upper

202 100

200 20.0 16.7 25.1

203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 75.605 ng

RT: 19.857 min Scan# 2

Delta R.T. 0.000 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

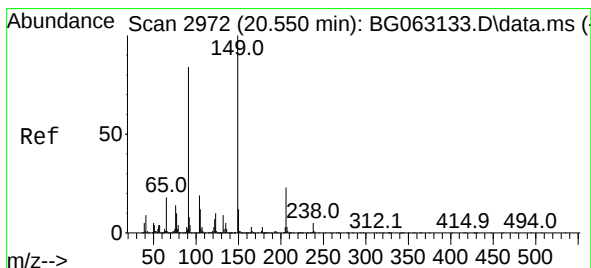
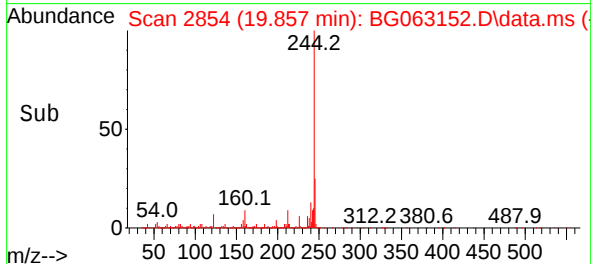
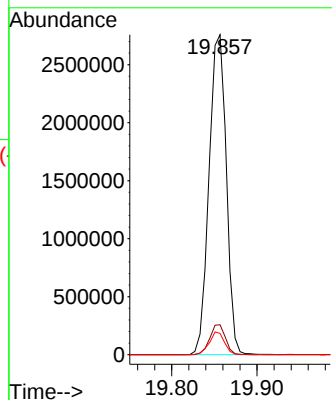
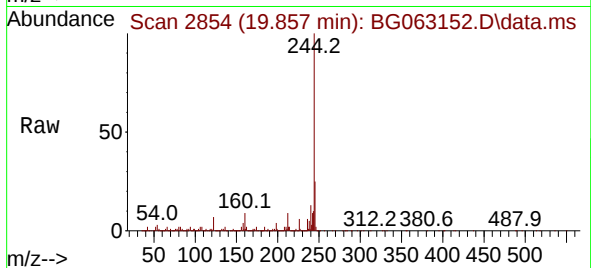
Tgt Ion:244 Resp: 3887493

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

122 6.7 4.8 7.2



#80

Butylbenzylphthalate

Concen: 4.315 ng

RT: 20.544 min Scan# 2971

Delta R.T. -0.005 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

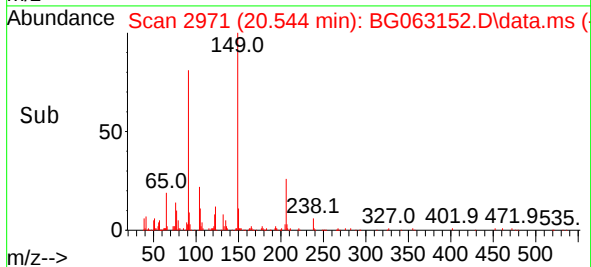
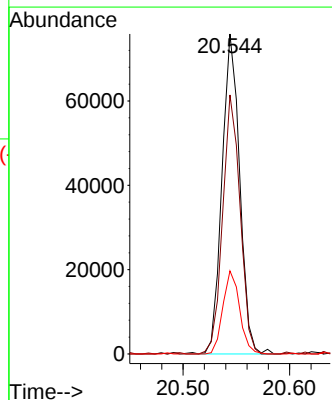
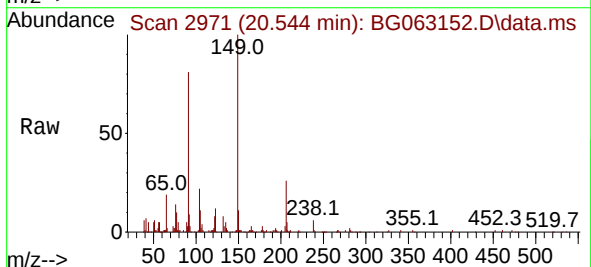
Tgt Ion:149 Resp: 87203

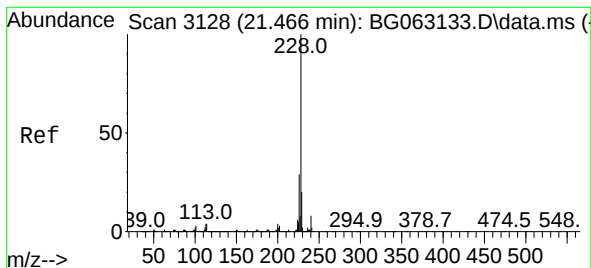
Ion Ratio Lower Upper

149 100

91 81.0 67.3 100.9

206 25.9 18.8 28.2





#81

Benzo(a)anthracene

Concen: 4.902 ng

RT: 21.455 min Scan# 3126

Delta R.T. -0.011 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

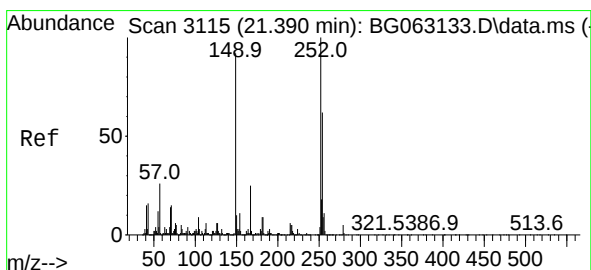
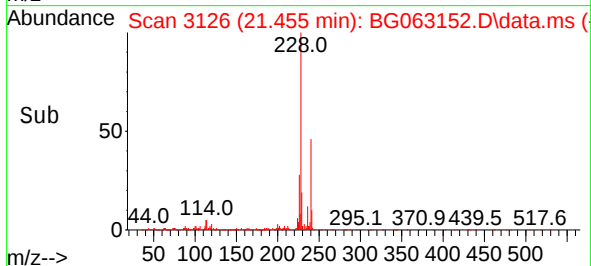
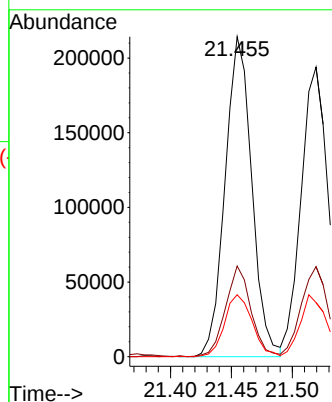
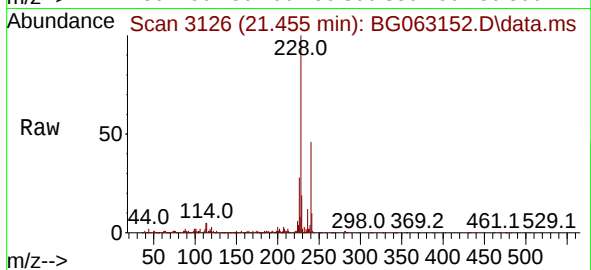
Tgt Ion:228 Resp: 326603

Ion Ratio Lower Upper

228 100

226 28.3 23.5 35.3

229 19.4 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 4.629 ng

RT: 21.378 min Scan# 3113

Delta R.T. -0.011 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

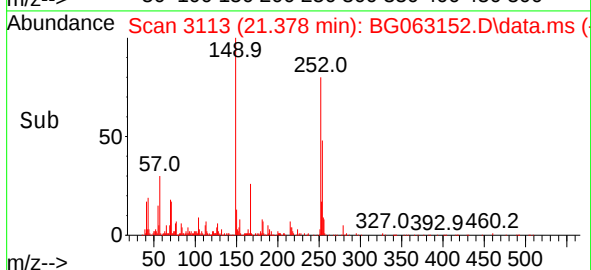
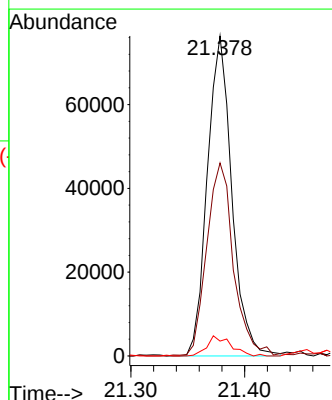
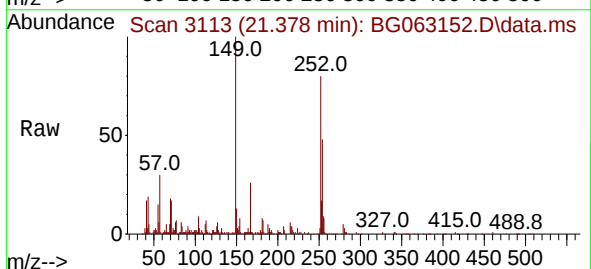
Tgt Ion:252 Resp: 114348

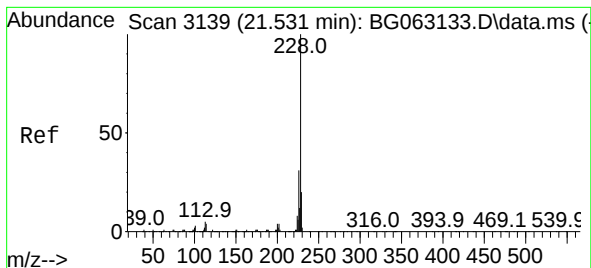
Ion Ratio Lower Upper

252 100

254 60.3 49.4 74.2

126 4.6 4.8 7.2#





#83

Chrysene

Concen: 4.815 ng

RT: 21.519 min Scan# 3139

Delta R.T. -0.011 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

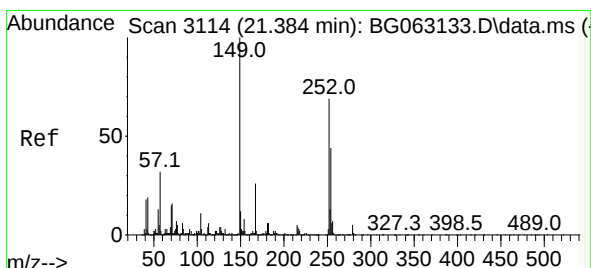
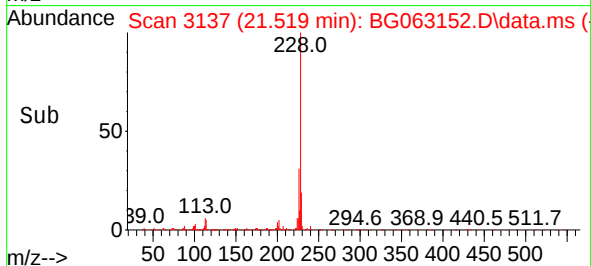
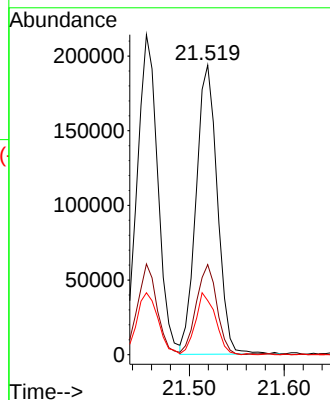
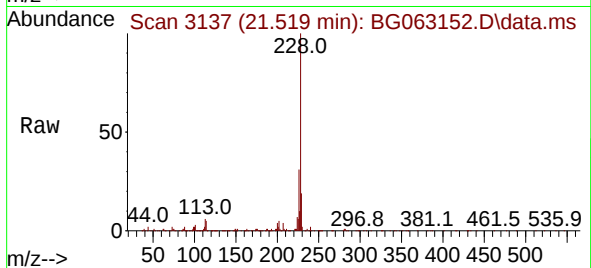
Tgt Ion:228 Resp: 301413

Ion Ratio Lower Upper

228 100

226 31.1 24.8 37.2

229 18.7 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.519 ng

RT: 21.372 min Scan# 3112

Delta R.T. -0.011 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

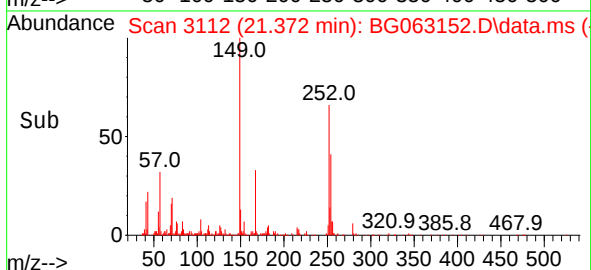
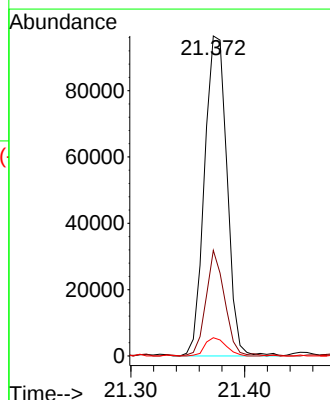
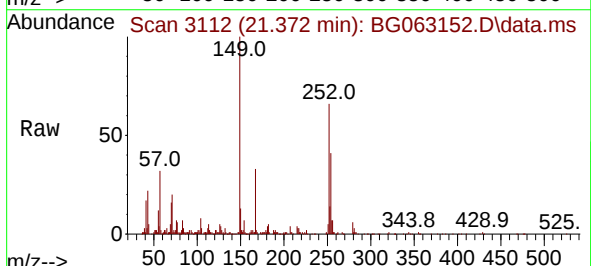
Tgt Ion:149 Resp: 132480

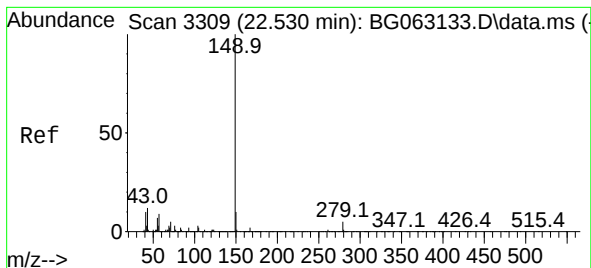
Ion Ratio Lower Upper

149 100

167 33.0 20.6 31.0#

279 5.7 4.3 6.5





#85

Di-n-octyl phthalate

Concen: 4.473 ng

RT: 22.518 min Scan# 3309

Delta R.T. -0.011 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

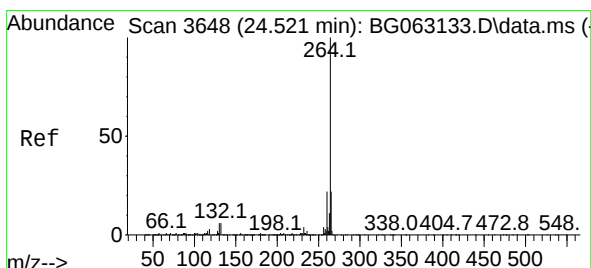
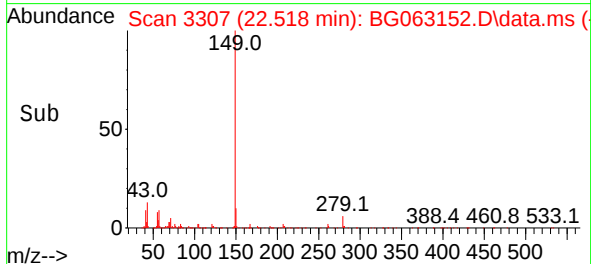
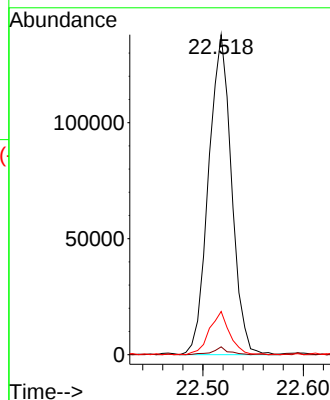
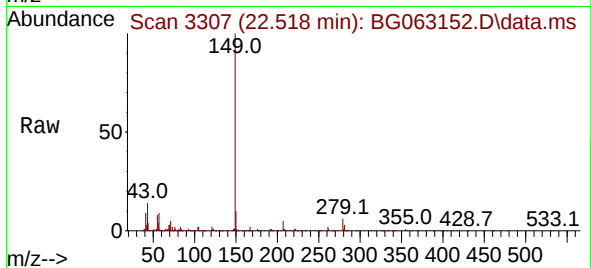
Tgt Ion:149 Resp: 219416

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 12.1 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.504 min Scan# 3645

Delta R.T. -0.017 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

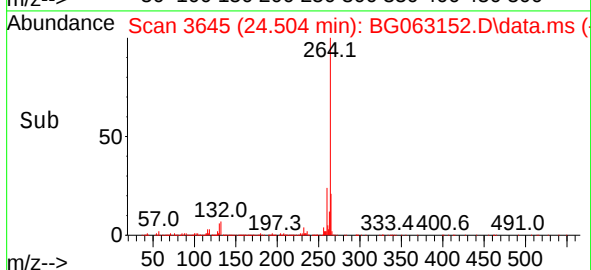
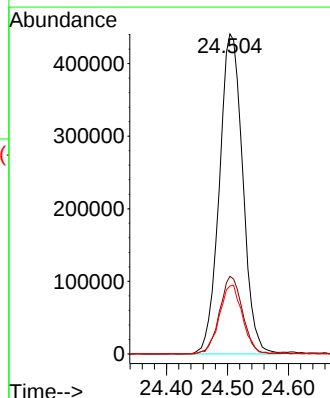
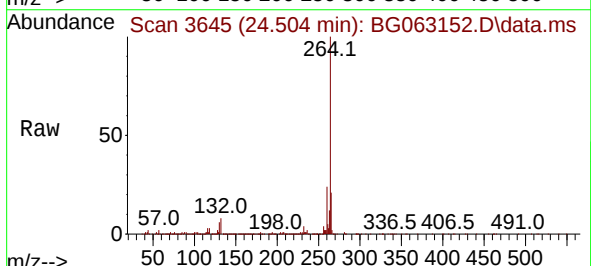
Tgt Ion:264 Resp: 1173672

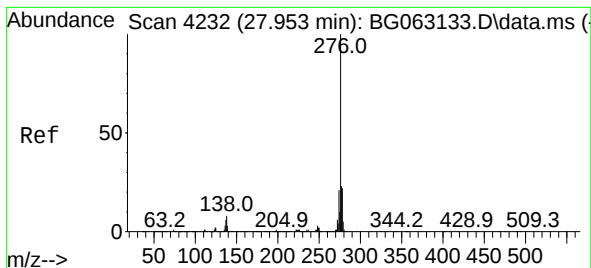
Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.2

265 21.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.752 ng

RT: 27.906 min Scan# 41

Delta R.T. -0.047 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

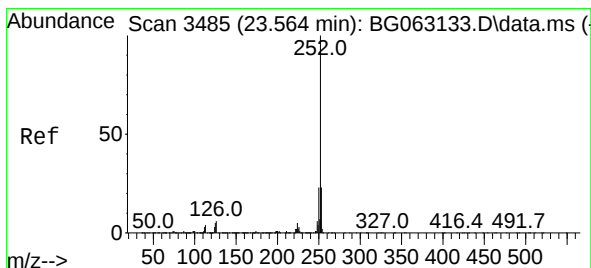
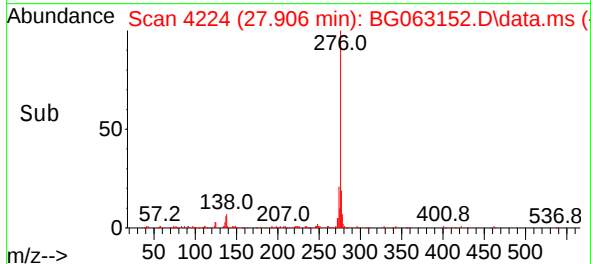
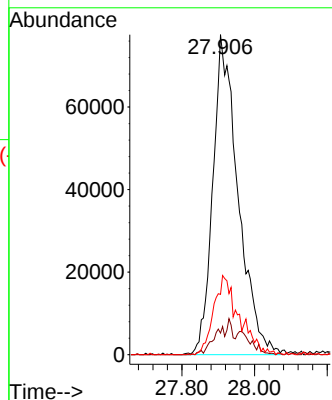
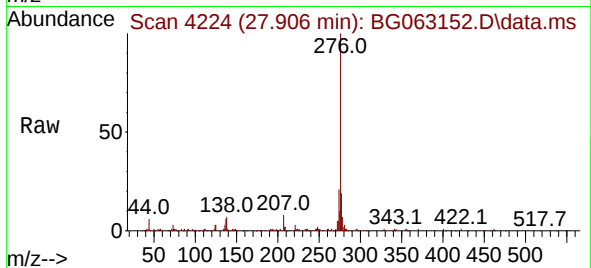
Tgt Ion:276 Resp: 374324

Ion Ratio Lower Upper

276 100

138 3.1 8.3 12.5#

277 21.0 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 4.460 ng

RT: 23.546 min Scan# 3482

Delta R.T. -0.017 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

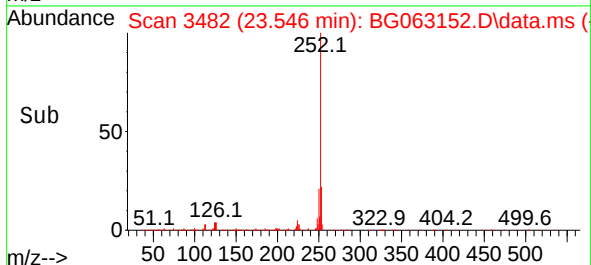
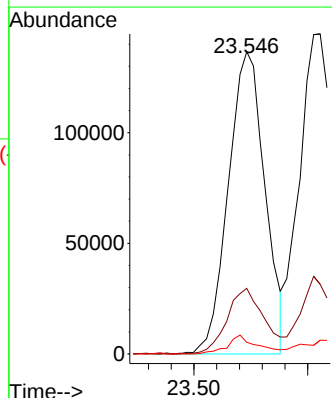
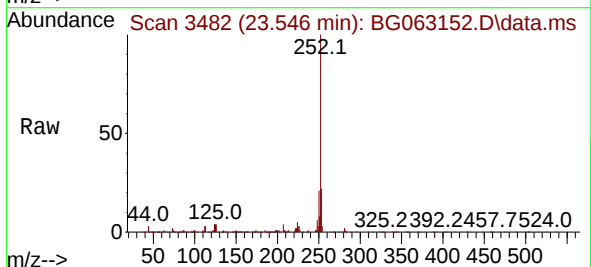
Tgt Ion:252 Resp: 305203

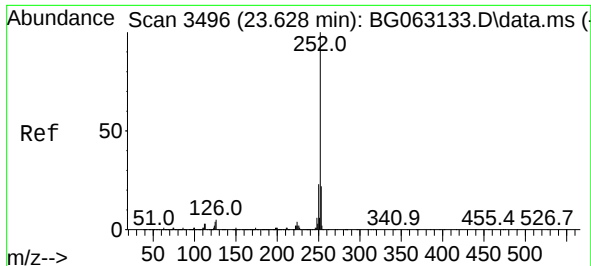
Ion Ratio Lower Upper

252 100

253 21.7 18.7 28.1

125 3.9 3.6 5.4





#89

Benzo(k)fluoranthene

Concen: 4.948 ng

RT: 23.611 min Scan# 3493

Delta R.T. -0.017 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

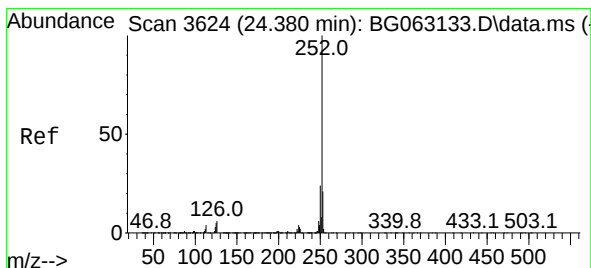
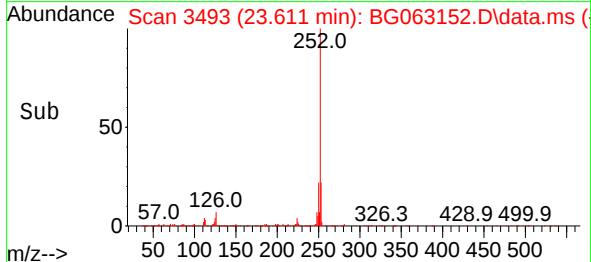
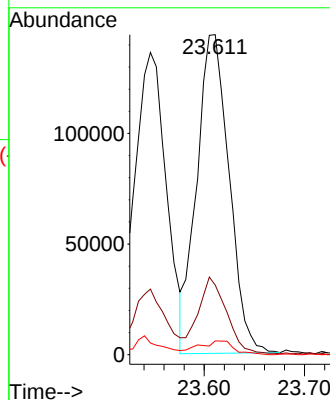
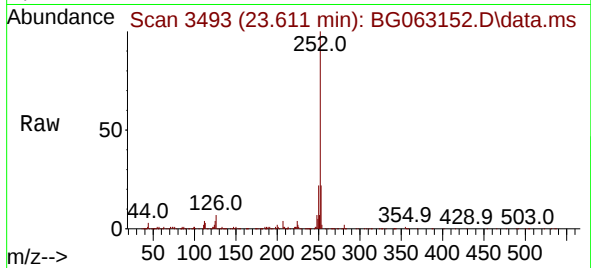
Tgt Ion:252 Resp: 322994

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 4.3 3.0 4.6



#90

Benzo(a)pyrene

Concen: 4.861 ng

RT: 24.363 min Scan# 3621

Delta R.T. -0.017 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

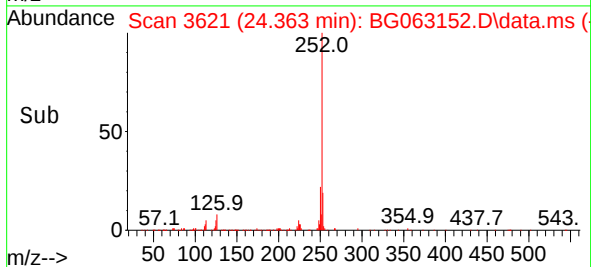
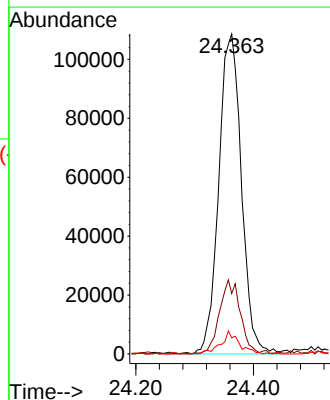
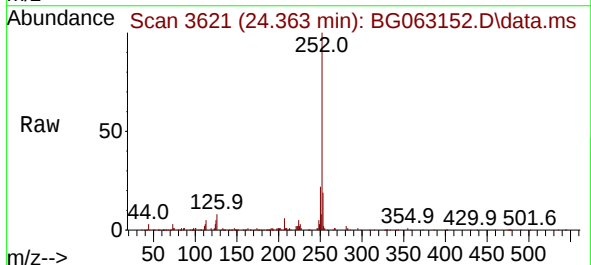
Tgt Ion:252 Resp: 290359

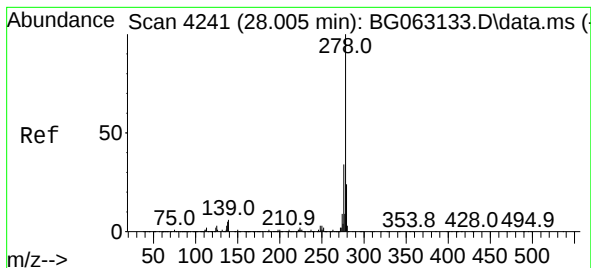
Ion Ratio Lower Upper

252 100

253 18.9 16.9 25.3

125 5.1 3.7 5.5





#91

Dibenzo(a,h)anthracene

Concen: 4.687 ng

RT: 27.976 min Scan# 41

Delta R.T. -0.029 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

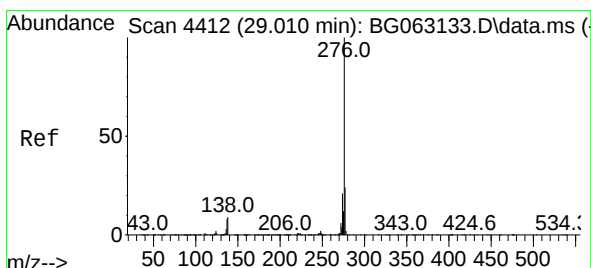
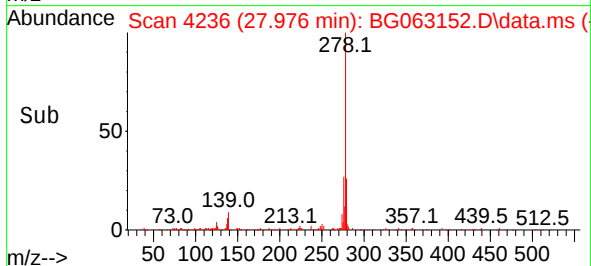
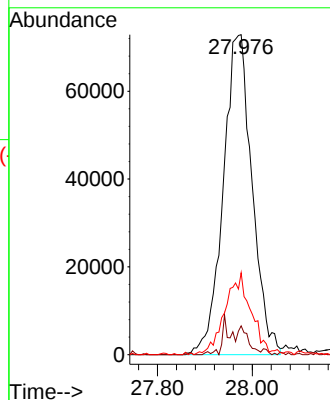
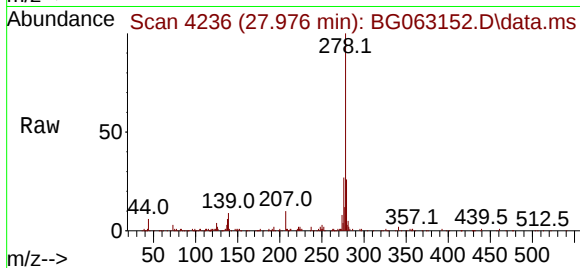
Tgt Ion:278 Resp: 308165

Ion Ratio Lower Upper

278 100

139 9.0 5.0 7.6#

279 25.6 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 4.349 ng

RT: 28.975 min Scan# 4406

Delta R.T. -0.035 min

Lab File: BG063152.D

Acq: 4 Nov 2024 12:04

Tgt Ion:276 Resp: 282666

Ion Ratio Lower Upper

276 100

277 19.9 19.3 28.9

138 7.7 7.0 10.4

