

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110424\
 Data File : BG063157.D
 Acq On : 4 Nov 2024 16:17
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Nov 04 15:50:43 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	7.842	152	97133	20.000	ng	# 0.00
21) Naphthalene-d8	10.627	136	390749	20.000	ng	# 0.00
39) Acenaphthene-d10	14.476	164	301715	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	789709	20.000	ng	0.00
76) Chrysene-d12	21.479	240	1073711	20.000	ng	0.00
86) Perylene-d12	24.517	264	1157175	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	524586	83.745	ng	-0.01
7) Phenol-d6	7.014	99	762363	92.873	ng	-0.01
23) Nitrobenzene-d5	8.994	82	573227	63.804	ng	-0.01
42) 2,4,6-Tribromophenol	15.968	330	467008	91.123	ng	0.00
45) 2-Fluorobiphenyl	13.095	172	1347782	66.162	ng	0.00
79) Terphenyl-d14	19.858	244	3204720	61.421	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.342	88	21076	8.563	ng	95
3) Pyridine	3.736	79	49013	8.249	ng	90
4) n-Nitrosodimethylamine	3.653	42	29881	8.096	ng	# 84
6) Aniline	7.167	93	83207	11.271	ng	# 89
8) 2-Chlorophenol	7.408	128	54377	9.347	ng	98
9) Benzaldehyde	6.979	77	62900	12.332	ng	# 72
10) Phenol	7.038	94	81848	9.307	ng	93
11) bis(2-Chloroethyl)ether	7.261	93	54174	9.134	ng	93
12) 1,3-Dichlorobenzene	7.731	146	60380	8.555	ng	91
13) 1,4-Dichlorobenzene	7.872	146	61735	8.580	ng	97
14) 1,2-Dichlorobenzene	8.195	146	62476	9.008	ng	94
15) Benzyl Alcohol	8.072	79	61211	9.280	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.354	45	100871	9.376	ng	98
17) 2-Methylphenol	8.277	107	45412	8.118	ng	96
18) Hexachloroethane	8.912	117	22775	8.845	ng	# 85
19) n-Nitroso-di-n-propyla...	8.642	70	52156	9.123	ng	# 89
20) 3+4-Methylphenols	8.606	107	64820	8.688	ng	89
22) Acetophenone	8.653	105	92688	8.852	ng	# 98
24) Nitrobenzene	9.035	77	80528	8.289	ng	92
25) Isophorone	9.552	82	137131	8.824	ng	# 96
26) 2-Nitrophenol	9.746	139	31798	8.900	ng	# 85
27) 2,4-Dimethylphenol	9.811	122	29666	6.754	ng	# 73
28) bis(2-Chloroethoxy)met...	10.040	93	75015	9.206	ng	96
29) 2,4-Dichlorophenol	10.287	162	55568	8.376	ng	86
30) 1,2,4-Trichlorobenzene	10.492	180	67500	8.272	ng	86
31) Naphthalene	10.680	128	183550	8.905	ng	# 93
32) Benzoic acid	9.928	122	10864	2.838	ng	# 82
33) 4-Chloroaniline	10.792	127	68671	9.872	ng	# 94
34) Hexachlorobutadiene	10.974	225	53212	7.924	ng	91
35) Caprolactam	11.532	113	20329	9.595	ng	93
36) 4-Chloro-3-methylphenol	11.920	107	64729	8.469	ng	# 95
37) 2-Methylnaphthalene	12.290	142	127406	8.713	ng	98
38) 1-Methylnaphthalene	12.508	142	120254	8.355	ng	93
40) 1,2,4,5-Tetrachloroben...	12.666	216	98688	9.103	ng	98
41) Hexachlorocyclopentadiene	12.649	237	21459	6.092	ng	84

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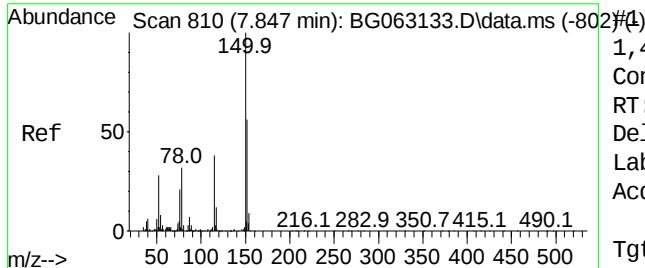
Quant Time: Nov 04 15:50:43 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	12.907	196	55722	8.584	ng	90
44) 2,4,5-Trichlorophenol	12.983	196	63182	8.853	ng #	86
46) 1,1'-Biphenyl	13.307	154	182900	8.931	ng	98
47) 2-Chloronaphthalene	13.348	162	149253	8.703	ng	97
48) 2-Nitroaniline	13.553	65	53375	8.867	ng	97
49) Acenaphthylene	14.194	152	231203	9.549	ng	99
50) Dimethylphthalate	13.929	163	189409	8.808	ng #	96
51) 2,6-Dinitrotoluene	14.053	165	38887	8.470	ng	89
52) Acenaphthene	14.546	154	126456	8.436	ng	99
53) 3-Nitroaniline	14.382	138	38903	8.925	ng	96
54) 2,4-Dinitrophenol	14.593	184	34241	12.229	ng	89
55) Dibenzofuran	14.875	168	245642	9.294	ng	99
56) 4-Nitrophenol	14.699	139	28328	8.584	ng #	85
57) 2,4-Dinitrotoluene	14.840	165	58801	8.955	ng #	96
58) Fluorene	15.528	166	179051	8.549	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.105	232	56607	8.265	ng #	97
60) Diethylphthalate	15.298	149	186394	8.442	ng	95
61) 4-Chlorophenyl-phenyle...	15.522	204	113061	8.685	ng	99
62) 4-Nitroaniline	15.545	138	44932	9.343	ng	90
63) Azobenzene	15.815	77	208357	9.124	ng	97
65) 4,6-Dinitro-2-methylph...	15.610	198	37986	7.482	ng	94
66) n-Nitrosodiphenylamine	15.739	169	175903	8.929	ng	96
67) 4-Bromophenyl-phenylether	16.415	248	84771	8.759	ng	94
68) Hexachlorobenzene	16.538	284	91934	8.200	ng	98
69) Atrazine	16.685	200	80543	8.893	ng	97
70) Pentachlorophenol	16.885	266	31347	5.620	ng	87
71) Phenanthrene	17.273	178	339671	8.873	ng	98
72) Anthracene	17.361	178	333693	8.881	ng	96
73) Carbazole	17.631	167	313829	8.872	ng	100
74) Di-n-butylphthalate	18.195	149	354513	8.827	ng	99
75) Fluoranthene	19.288	202	491966	9.079	ng	97
77) Benzidine	19.470	184	151111	9.134	ng	97
78) Pyrene	19.652	202	521377	8.191	ng	98
80) Butylbenzylphthalate	20.551	149	176766	8.620	ng	98
81) Benzo(a)anthracene	21.462	228	615882	9.109	ng	94
82) 3,3'-Dichlorobenzidine	21.380	252	228139	9.100	ng	94
83) Chrysene	21.521	228	576670	9.079	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	261196	8.780	ng	98
85) Di-n-octyl phthalate	22.519	149	434665	8.733	ng	100
87) Indeno(1,2,3-cd)pyrene	27.931	276	711919	9.166	ng #	96
88) Benzo(b)fluoranthene	23.553	252	597652	8.859	ng	98
89) Benzo(k)fluoranthene	23.618	252	597430	9.282	ng	99
90) Benzo(a)pyrene	24.370	252	560669	9.521	ng	98
91) Dibenzo(a,h)anthracene	27.984	278	583329	8.998	ng #	95
92) Benzo(g,h,i)perylene	28.994	276	548169	8.555	ng	92

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

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

[illegible]



1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.842 min Scan# 810

Delta R.T. -0.005 min

Lab File: BG063157.D

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BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

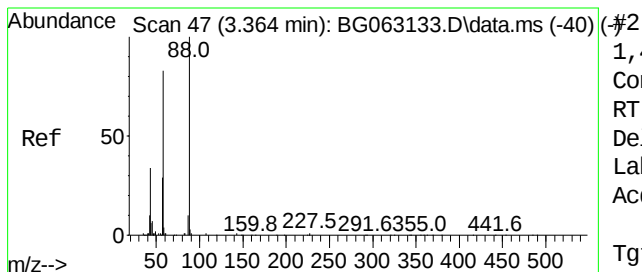
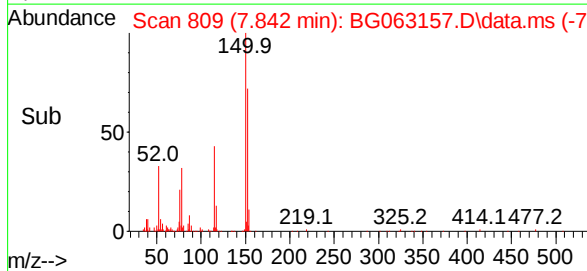
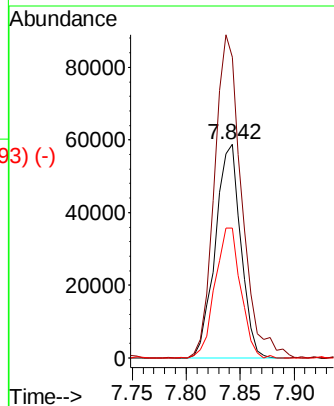
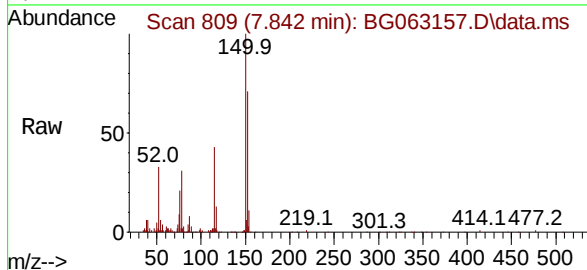
Tgt Ion:152 Resp: 97133

Ion Ratio Lower Upper

152 100

150 140.7 143.1 214.7#

115 60.6 55.0 82.4



1,4-Dioxane

Concen: 8.563 ng

RT: 3.342 min Scan# 43

Delta R.T. -0.022 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

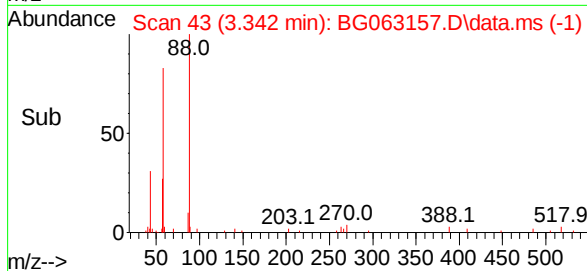
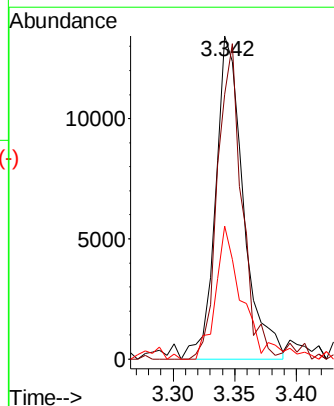
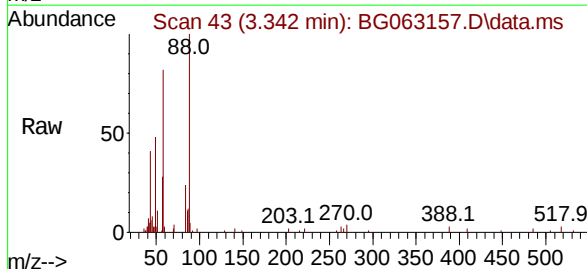
Tgt Ion: 88 Resp: 21076

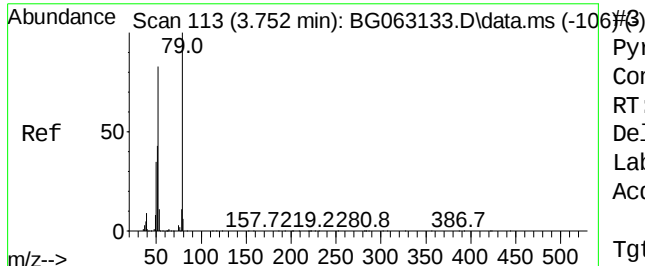
Ion Ratio Lower Upper

88 100

58 85.1 73.8 110.6

43 40.6 32.0 48.0





Pyridine

Concen: 8.249 ng

RT: 3.736 min Scan# 1

Delta R.T. -0.016 min

Lab File: BG063157.D

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Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

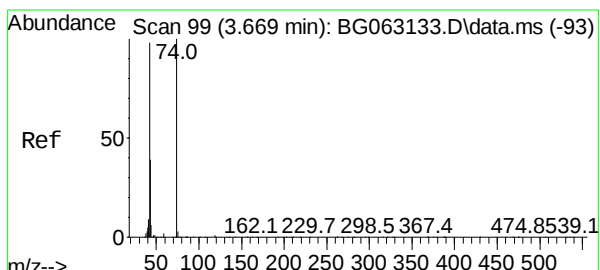
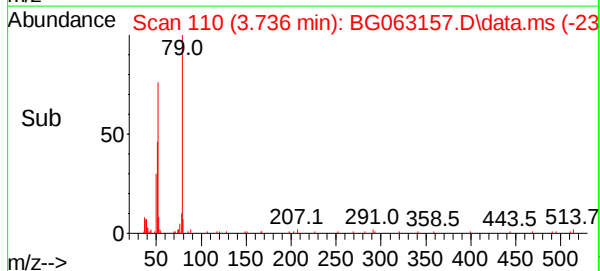
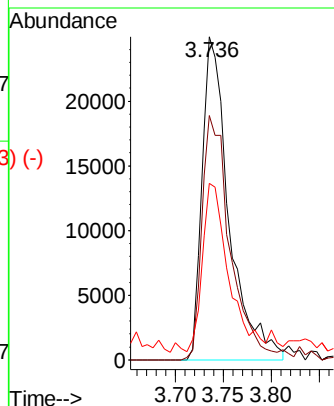
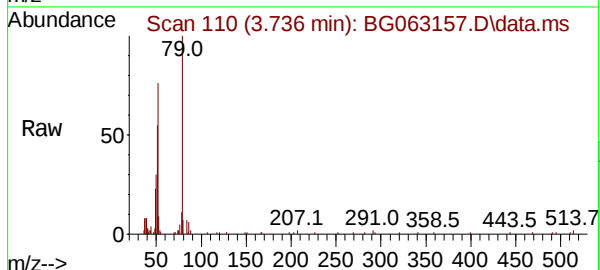
Tgt Ion: 79 Resp: 49013

Ion Ratio Lower Upper

79 100

52 75.6 66.1 99.1

51 54.7 36.6 54.8



n-Nitrosodimethylamine

Concen: 8.096 ng

RT: 3.653 min Scan# 96

Delta R.T. -0.016 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

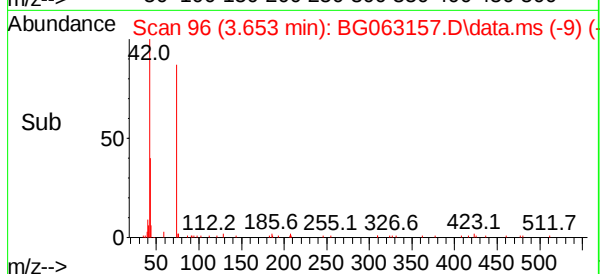
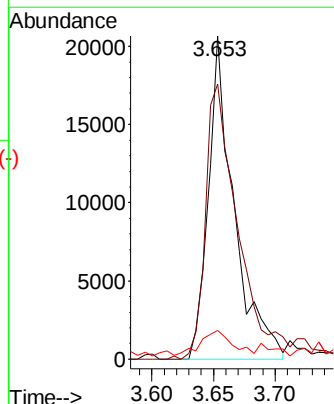
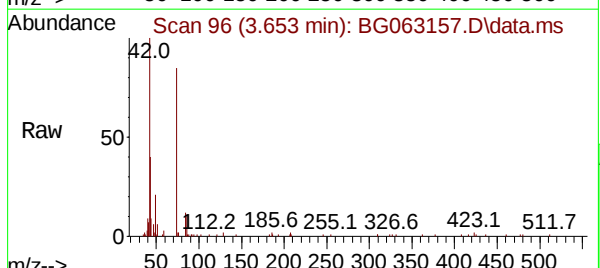
Tgt Ion: 42 Resp: 29881

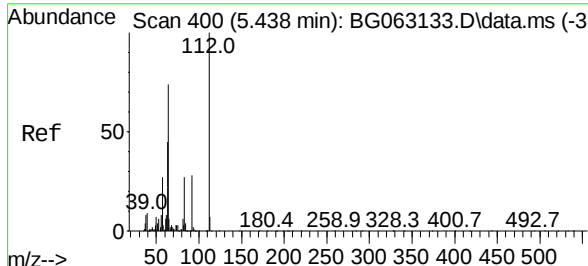
Ion Ratio Lower Upper

42 100

74 85.1 81.9 122.9

44 8.8 5.8 8.8#





2-Fluorophenol

Concen: 83.745 ng

RT: 5.428 min Scan# 310

Delta R.T. -0.010 min

Lab File: BG063157.D

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LOQ-SOIL-02-QT4-2024

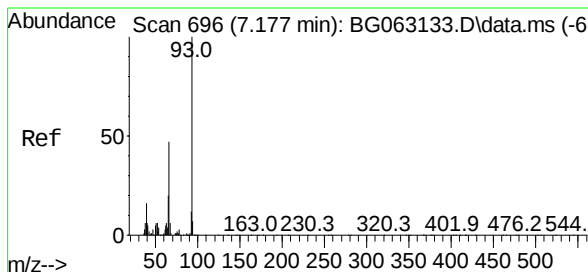
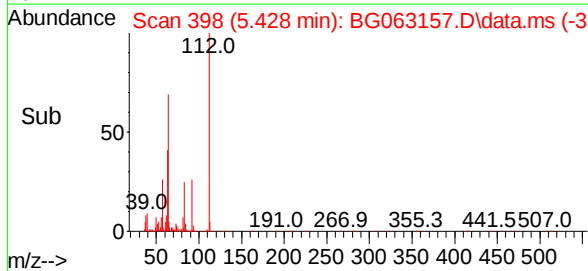
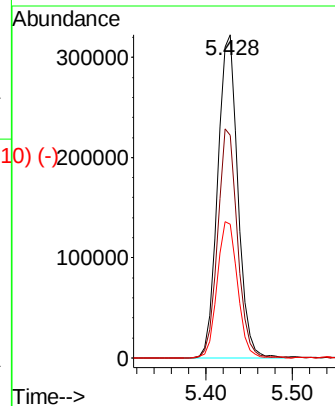
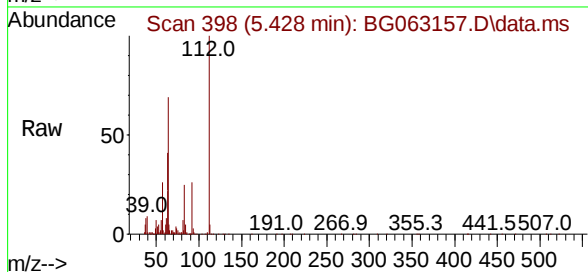
Tgt Ion:112 Resp: 524586

Ion Ratio Lower Upper

112 100

64 68.9 59.4 89.0

63 41.4 35.8 53.6



Aniline

Concen: 11.271 ng

RT: 7.167 min Scan# 694

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

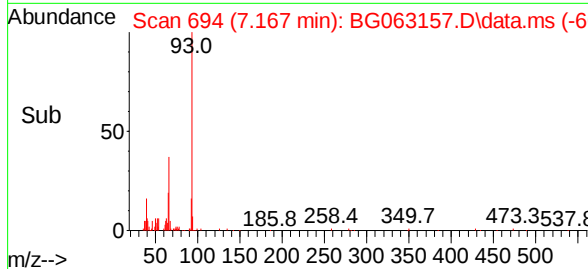
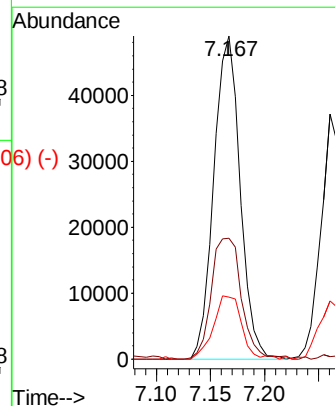
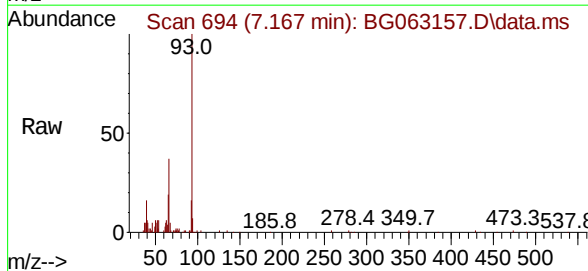
Tgt Ion: 93 Resp: 83207

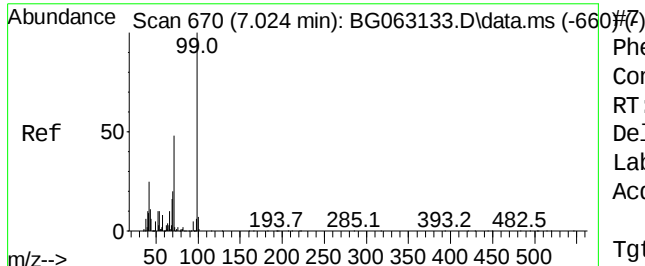
Ion Ratio Lower Upper

93 100

66 37.4 37.8 56.8#

65 19.1 16.1 24.1





Phenol-d6

Concen: 92.873 ng

RT: 7.014 min Scan#

Delta R.T. -0.010 min

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ClientSampleId :

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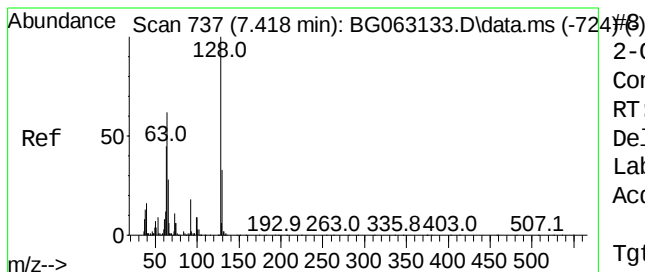
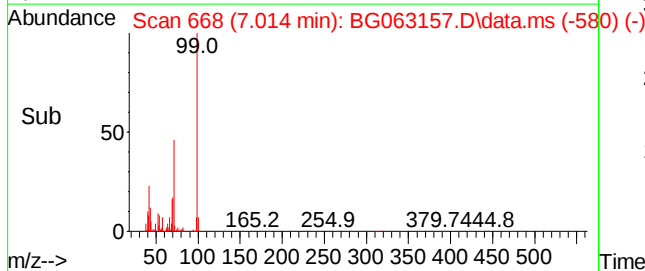
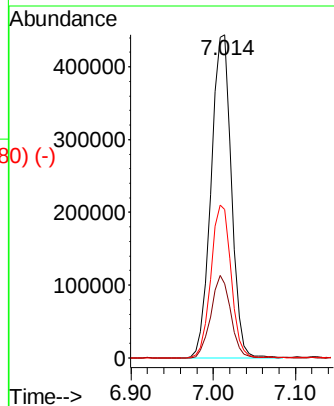
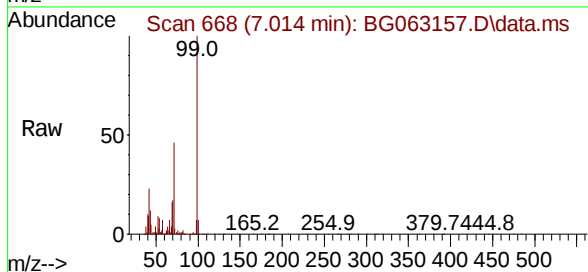
Tgt Ion: 99 Resp: 762363

Ion Ratio Lower Upper

99 100

42 22.9 20.0 30.0

71 46.0 38.2 57.4



2-Chlorophenol

Concen: 9.347 ng

RT: 7.408 min Scan# 735

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

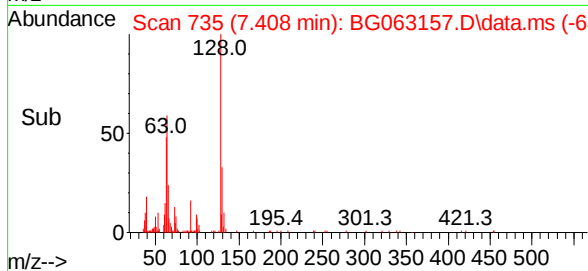
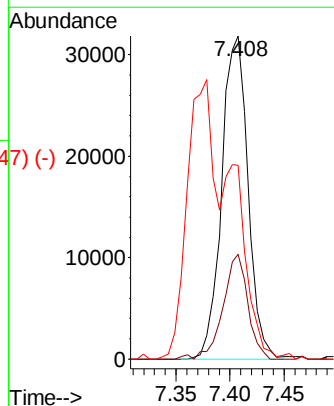
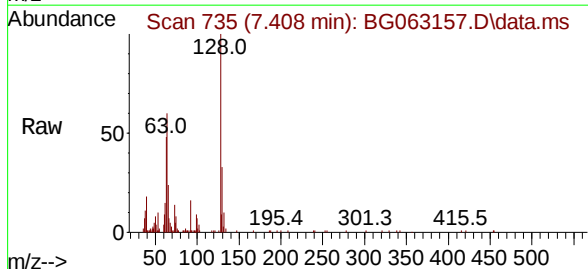
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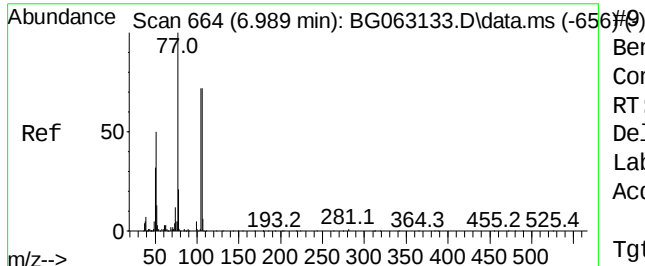
Ion Ratio Lower Upper

128 100

130 32.5 13.3 53.3

64 60.0 41.8 81.8





Benzaldehyde

Concen: 12.332 ng

RT: 6.979 min Scan#

Delta R.T. -0.010 min

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LOQ-SOIL-02-QT4-2024

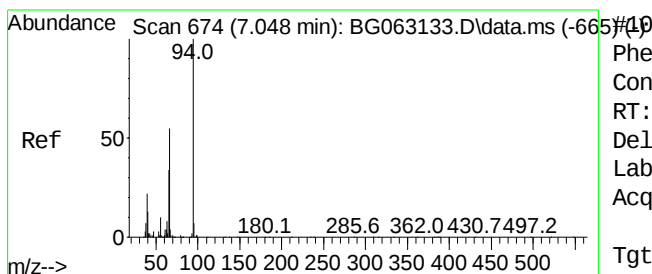
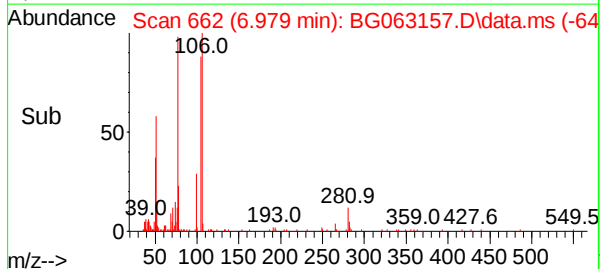
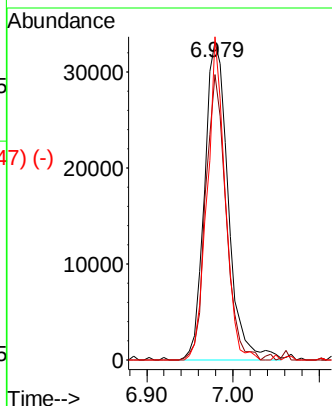
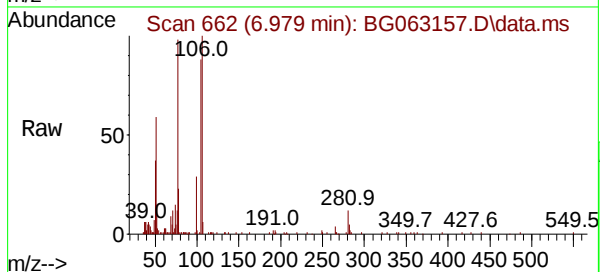
Tgt Ion: 77 Resp: 62900

Ion Ratio Lower Upper

77 100

105 89.8 52.2 92.2

106 101.6 52.2 92.2#



Phenol

Concen: 9.307 ng

RT: 7.038 min Scan# 672

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

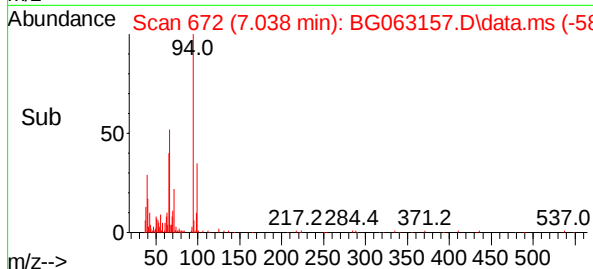
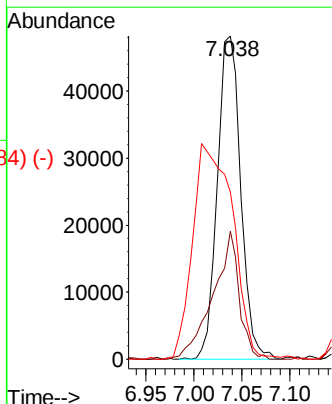
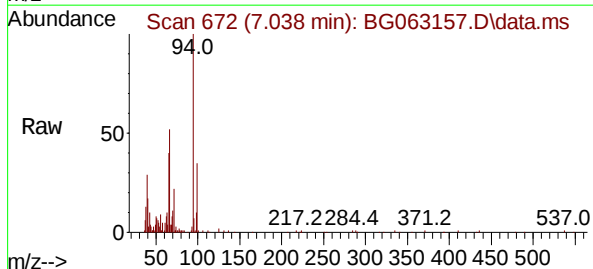
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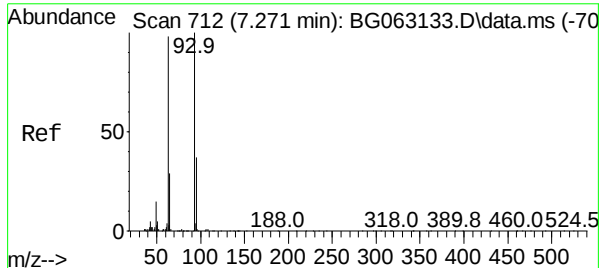
Ion Ratio Lower Upper

94 100

65 39.5 14.2 54.2

66 51.7 36.2 76.2

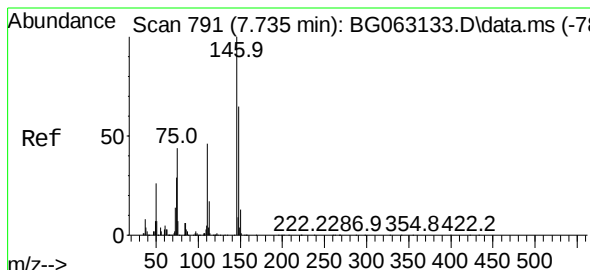
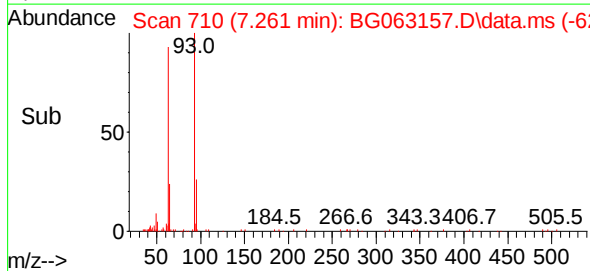
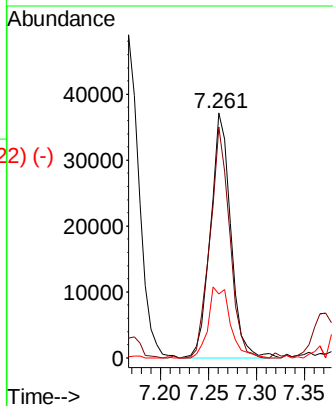
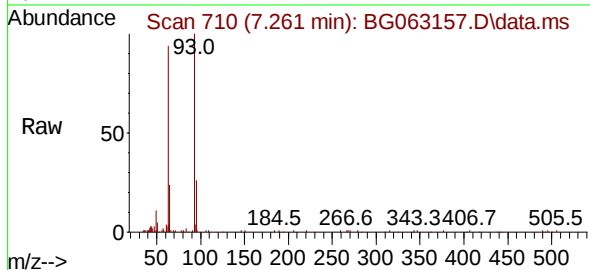




bis(2-Chloroethyl)ether
Concen: 9.134 ng
RT: 7.261 min Scan# 712
Delta R.T. -0.010 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

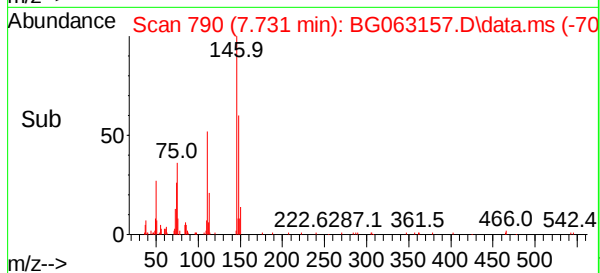
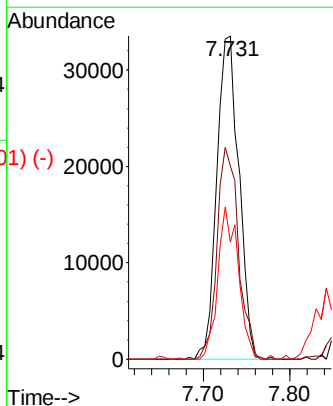
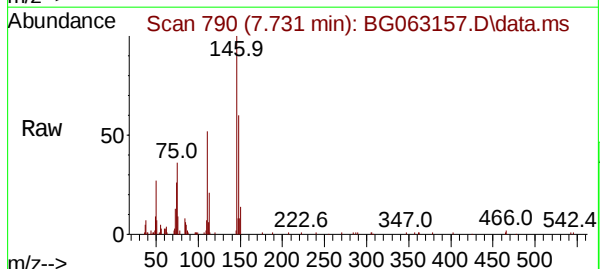
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

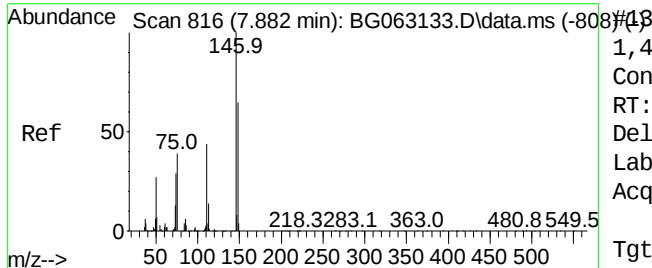
Tgt Ion:	93	Resp:	54174
Ion	Ratio	Lower	Upper
93	100		
63	94.2	77.5	117.5
95	26.0	16.5	56.5



1,3-Dichlorobenzene
Concen: 8.555 ng
RT: 7.731 min Scan# 790
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	146	Resp:	60380
Ion	Ratio	Lower	Upper
146	100		
148	59.8	51.7	77.5
75	36.2	35.7	53.5





1,4-Dichlorobenzene

Concen: 8.580 ng

RT: 7.872 min Scan# 814

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

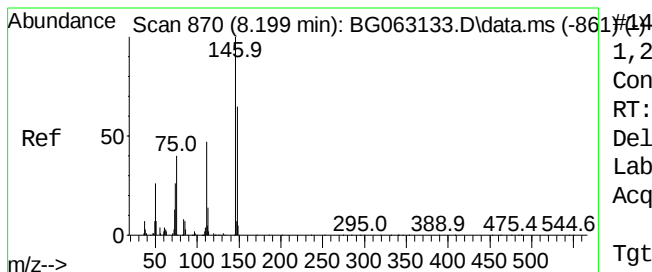
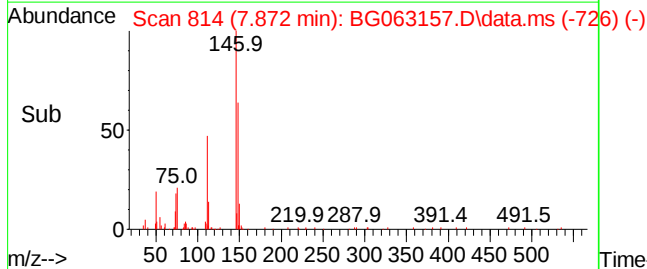
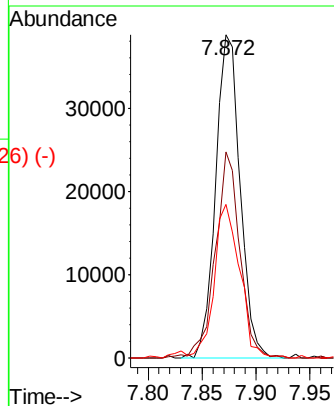
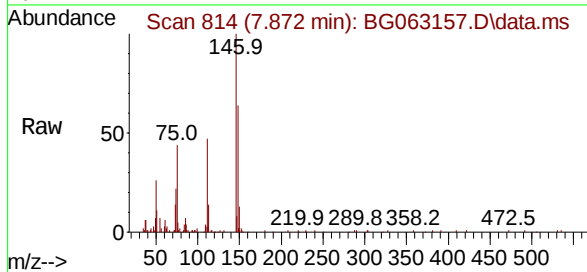
Tgt Ion:146 Resp: 61735

Ion Ratio Lower Upper

146 100

148 63.9 52.3 78.5

111 47.5 35.8 53.6



1,2-Dichlorobenzene

Concen: 9.008 ng

RT: 8.195 min Scan# 869

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

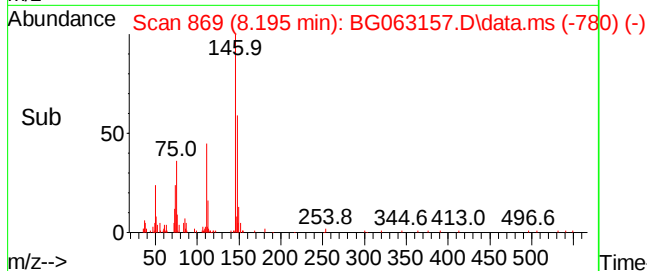
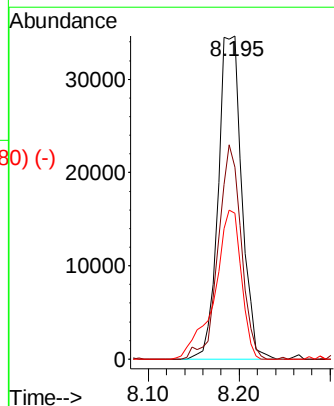
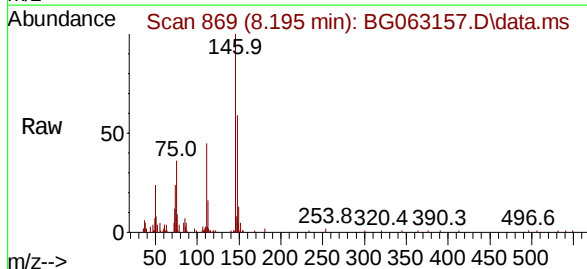
Tgt Ion:146 Resp: 62476

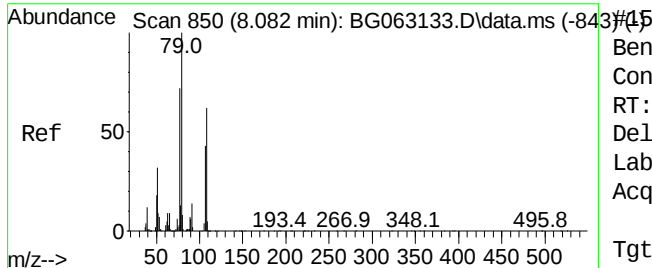
Ion Ratio Lower Upper

146 100

148 59.5 52.3 78.5

111 45.1 38.5 57.7





Benzyl Alcohol

Concen: 9.280 ng

RT: 8.072 min Scan# 848

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

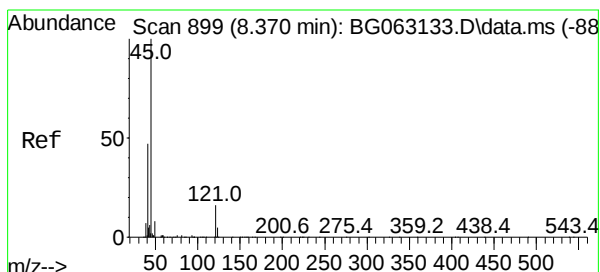
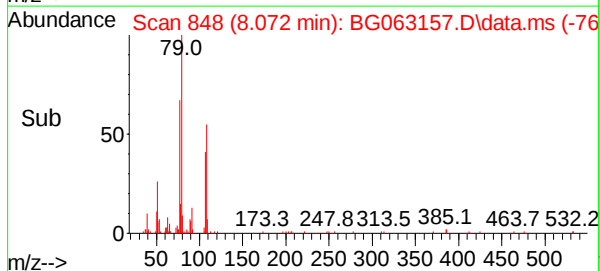
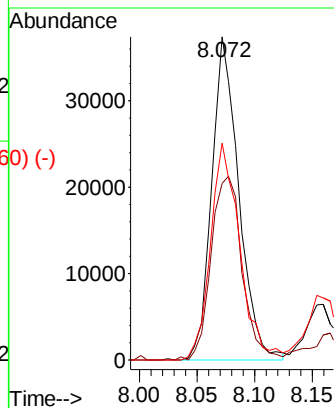
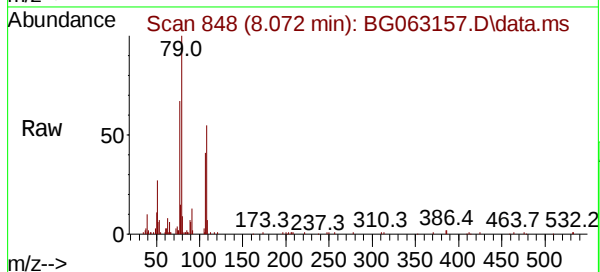
Tgt Ion: 79 Resp: 61211

Ion	Ratio	Lower	Upper
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79	100		
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108	54.7	49.5	74.3
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77	67.1	57.6	86.4
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2,2'-oxybis(1-Chloropropane)

Concen: 9.376 ng

RT: 8.354 min Scan# 896

Delta R.T. -0.016 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

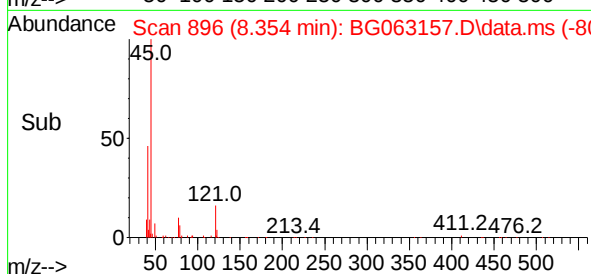
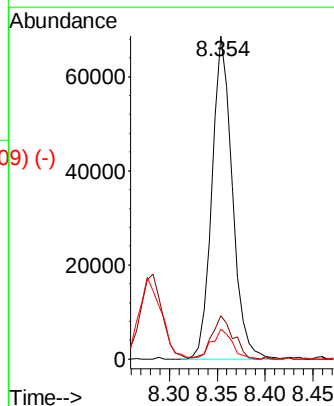
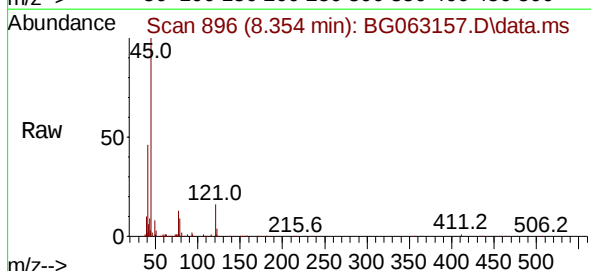
Tgt Ion: 45 Resp: 100871

Ion	Ratio	Lower	Upper
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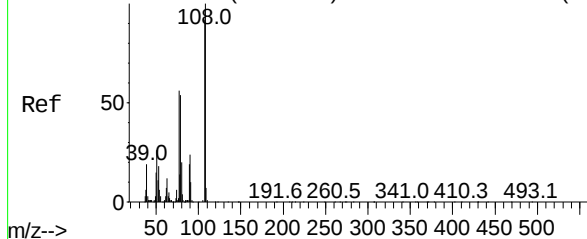
45	100		
----	-----	--	--

77	13.4	0.0	32.4
----	------	-----	------

79	9.2	0.0	29.7
----	-----	-----	------



Abundance Scan 885 (8.287 min): BG063133.D\data.ms (-877) #17



2-Methylphenol

Concen: 8.118 ng

RT: 8.277 min Scan# 885

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:107 Resp: 45412

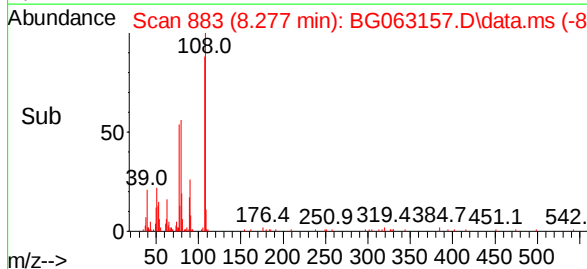
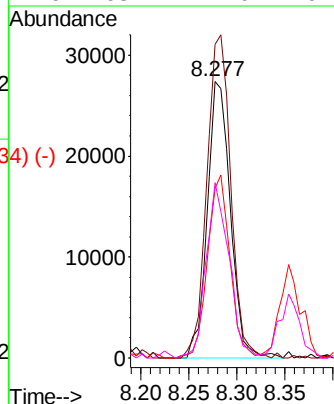
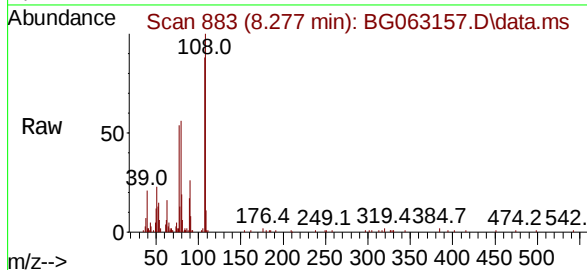
Ion Ratio Lower Upper

107 100

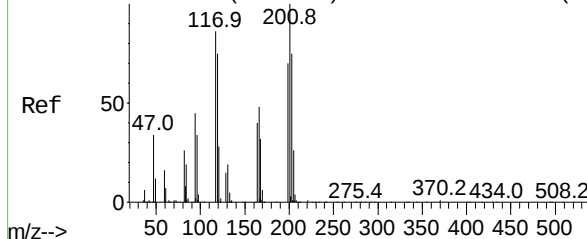
108 113.5 87.1 130.7

77 61.3 48.9 73.3

79 63.4 47.0 70.6



Abundance Scan 993 (8.922 min): BG063133.D\data.ms (-984) #18



Hexachloroethane

Concen: 8.845 ng

RT: 8.912 min Scan# 991

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

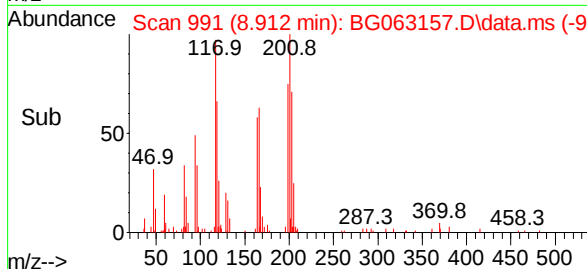
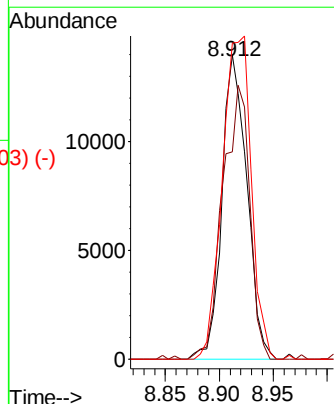
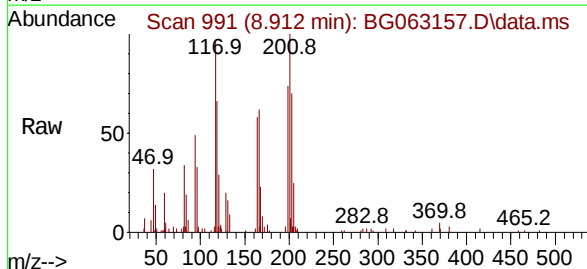
Tgt Ion:117 Resp: 22775

Ion Ratio Lower Upper

117 100

119 68.3 69.7 104.5#

201 104.1 92.6 138.8



Abundance Scan 946 (8.646 min): BG063133.D\data.ms (-937) #19

n-Nitroso-di-n-propylamine

Concen: 9.123 ng

RT: 8.642 min Scan# 939

Delta R.T. -0.004 min

Lab File: BG063157.D

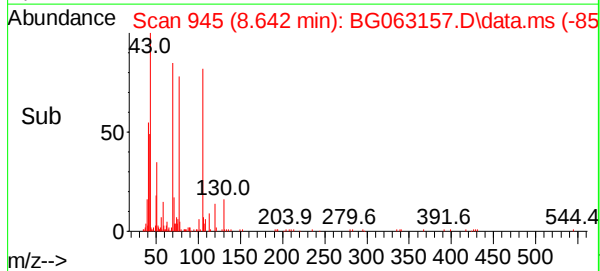
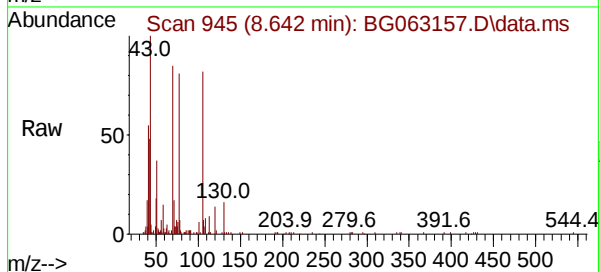
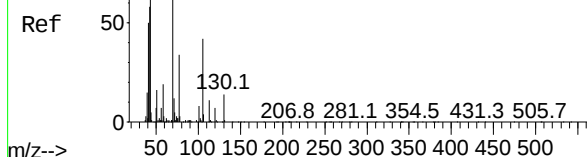
Acq: 4 Nov 2024 16:17

Instrument :

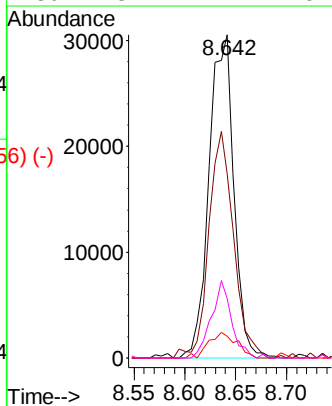
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:	70	Resp:	52156
Ion	Ratio	Lower	Upper
70	100		
42	57.1	54.2	81.2
101	6.7	7.7	11.5#
130	18.4	12.7	19.1



Abundance Scan 941 (8.616 min): BG063133.D\data.ms (-931) #20

3+4-Methylphenols

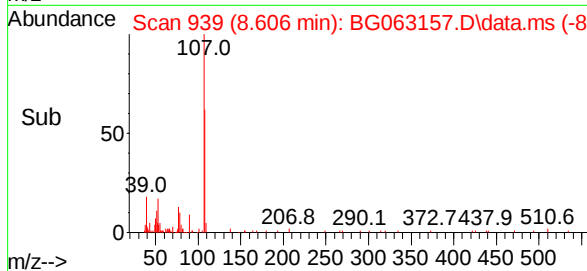
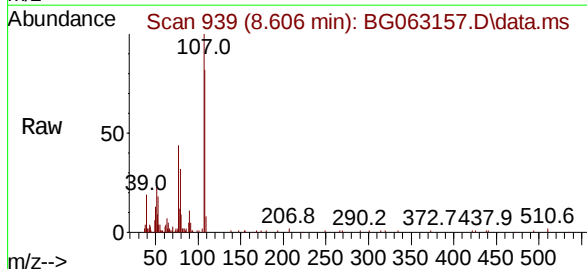
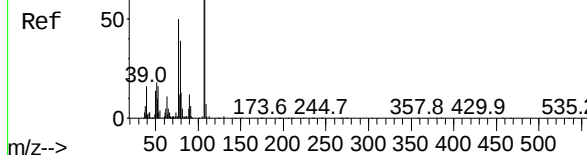
Concen: 8.688 ng

RT: 8.606 min Scan# 939

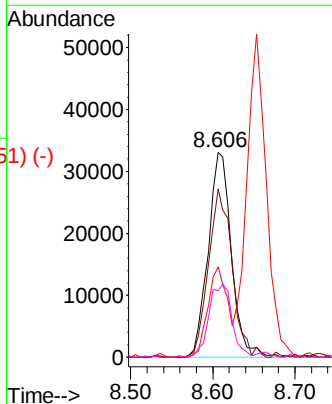
Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17



Tgt Ion:	107	Resp:	64820
Ion	Ratio	Lower	Upper
107	100		
108	82.2	73.1	113.1
77	44.1	30.2	70.2
79	32.3	19.0	59.0



Abundance Scan 1284 (10.632 min): BG063133.D\data.ms (-1284) (-)

Naphthalene-d8

Concen: 20.000 ng

RT: 10.627 min Scan# 1284

Delta R.T. -0.004 min

Lab File: BG063157.D

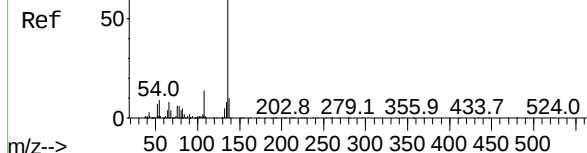
Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:136 Resp: 390749

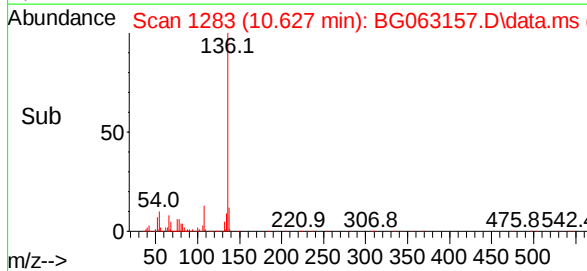
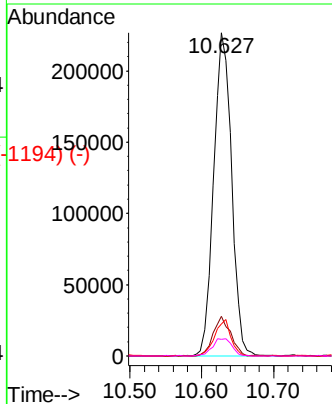
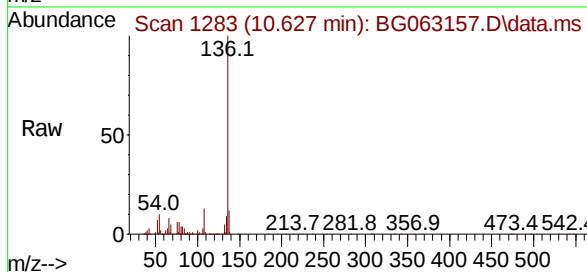
Ion Ratio Lower Upper

136 100

137 12.2 7.8 11.6#

54 10.0 7.3 10.9

68 5.1 3.5 5.3



Abundance Scan 949 (8.663 min): BG063133.D\data.ms (-936) (-)

Acetophenone

Concen: 8.852 ng

RT: 8.653 min Scan# 947

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Tgt Ion:105 Resp: 92688

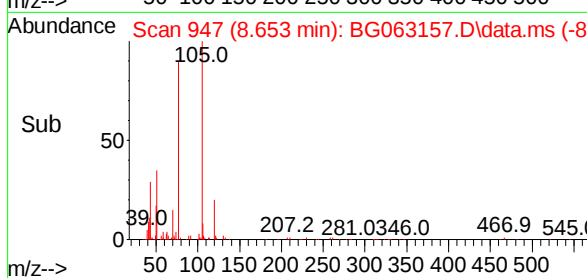
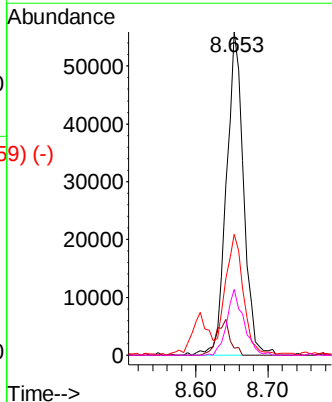
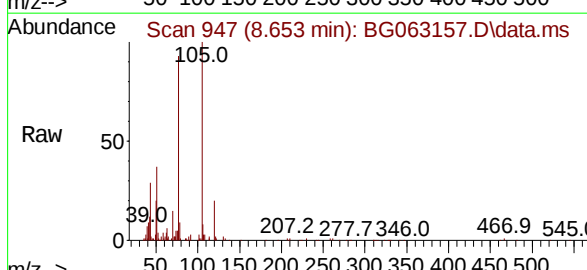
Ion Ratio Lower Upper

105 100

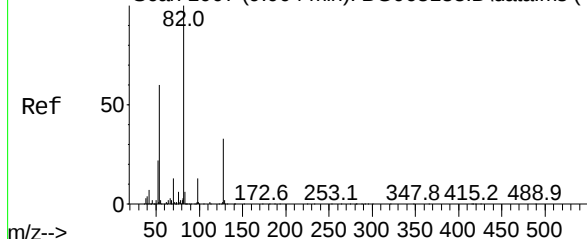
71 2.2 2.3 3.5#

51 37.5 30.5 45.7

120 20.5 15.4 23.2



Abundance Scan 1007 (9.004 min): BG063133.D\data.ms (-99923)



Nitrobenzene-d5

Concen: 63.804 ng

RT: 8.994 min Scan#

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 82 Resp: 573227

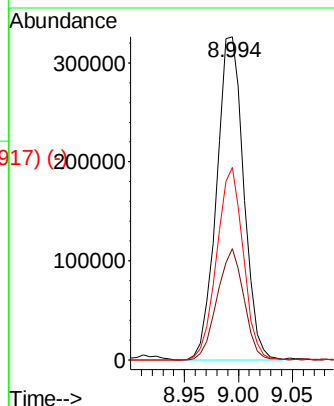
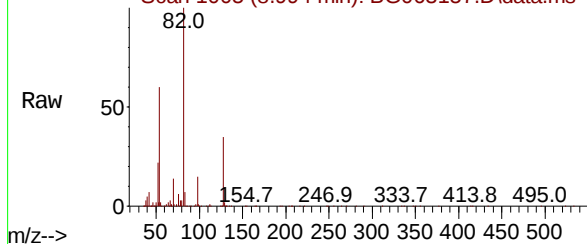
Ion Ratio Lower Upper

82 100

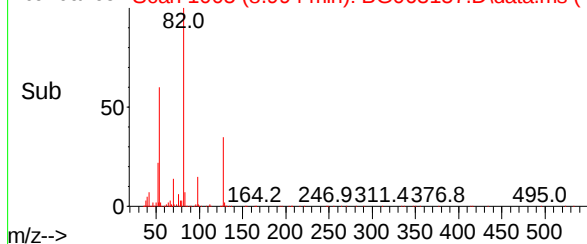
128 34.5 26.6 39.8

54 59.6 47.8 71.8

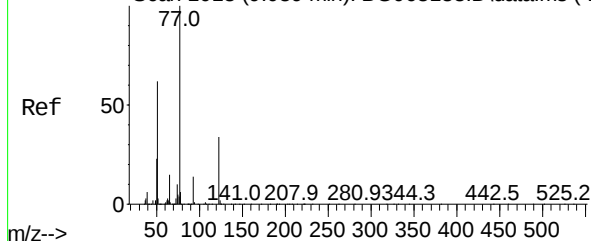
Abundance Scan 1005 (8.994 min): BG063157.D\data.ms



Abundance Scan 1005 (8.994 min): BG063157.D\data.ms (-917) (2)



Abundance Scan 1013 (9.039 min): BG063133.D\data.ms (-10024)



Nitrobenzene

Concen: 8.289 ng

RT: 9.035 min Scan# 1012

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Tgt Ion: 77 Resp: 80528

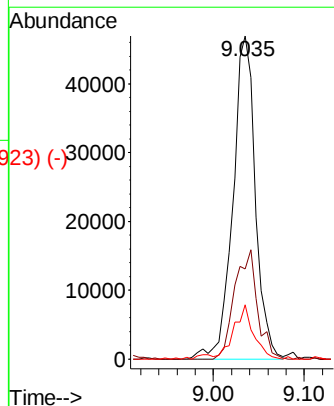
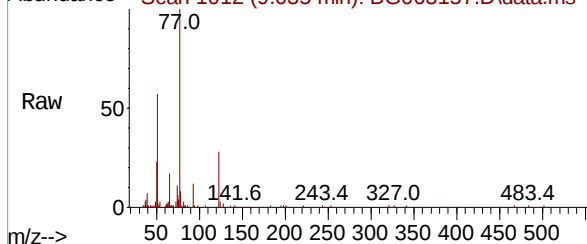
Ion Ratio Lower Upper

77 100

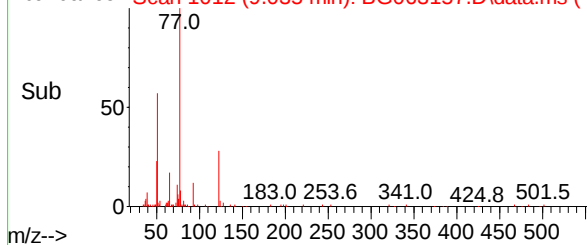
123 27.9 26.9 40.3

65 16.7 12.3 18.5

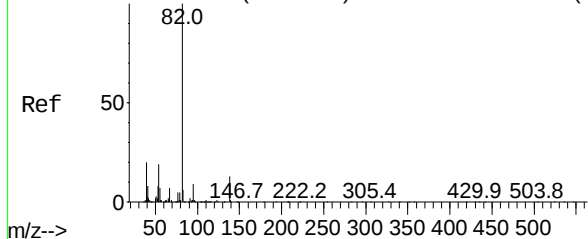
Abundance Scan 1012 (9.035 min): BG063157.D\data.ms



Abundance Scan 1012 (9.035 min): BG063157.D\data.ms (-923) (-)



Abundance Scan 1102 (9.562 min): BG063133.D\data.ms (-1025-)



Isophorone

Concen: 8.824 ng

RT: 9.552 min Scan# 1102

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 82 Resp: 137131

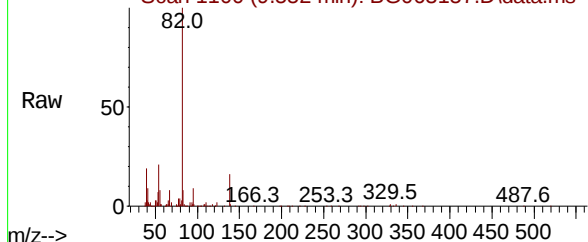
Ion Ratio Lower Upper

82 100

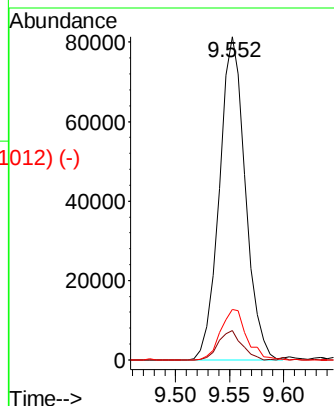
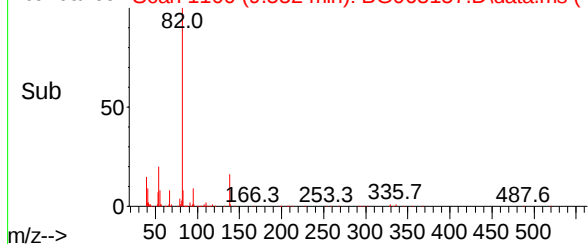
95 9.1 7.4 11.0

138 15.7 10.3 15.5#

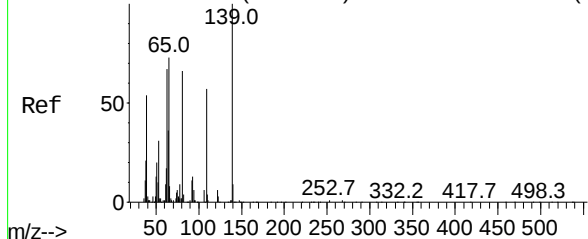
Abundance Scan 1100 (9.552 min): BG063157.D\data.ms



Abundance Scan 1100 (9.552 min): BG063157.D\data.ms (-1012-)



Abundance Scan 1134 (9.750 min): BG063133.D\data.ms (-1126-)



2-Nitrophenol

Concen: 8.900 ng

RT: 9.746 min Scan# 1133

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Tgt Ion:139 Resp: 31798

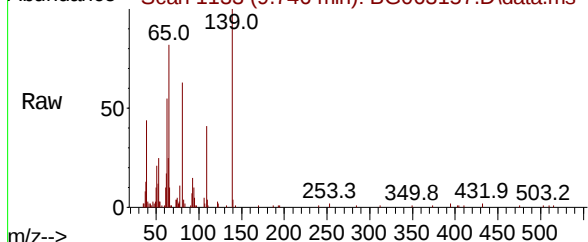
Ion Ratio Lower Upper

139 100

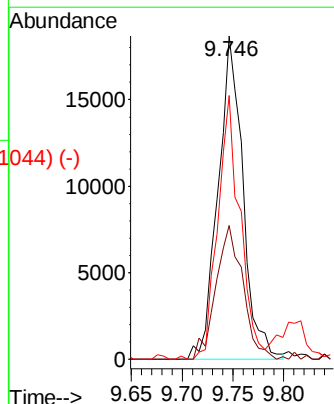
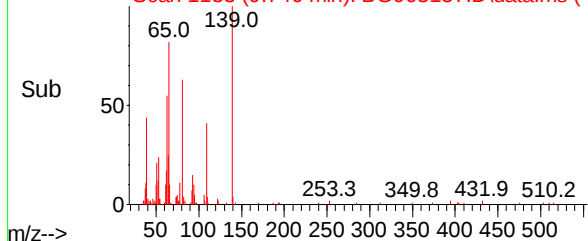
109 41.4 45.4 68.0#

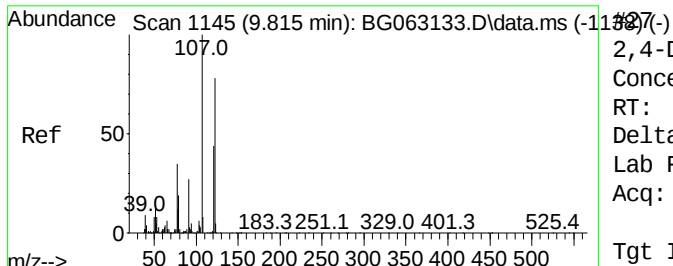
65 81.6 58.4 87.6

Abundance Scan 1133 (9.746 min): BG063157.D\data.ms



Abundance Scan 1133 (9.746 min): BG063157.D\data.ms (-1044-)

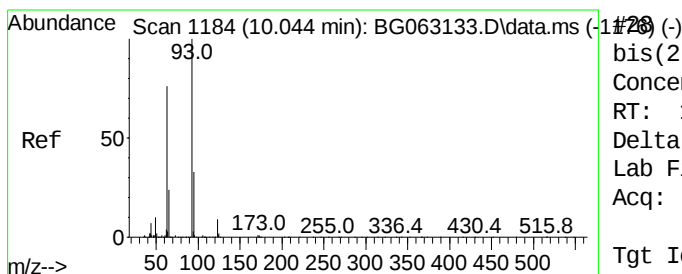
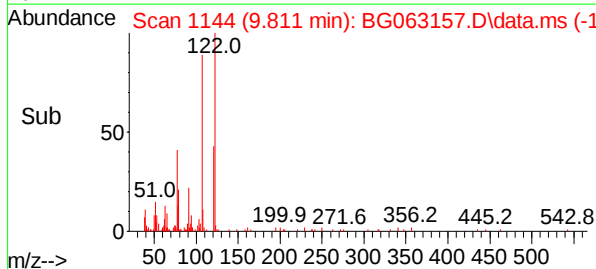
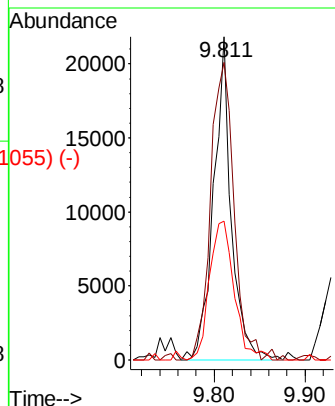
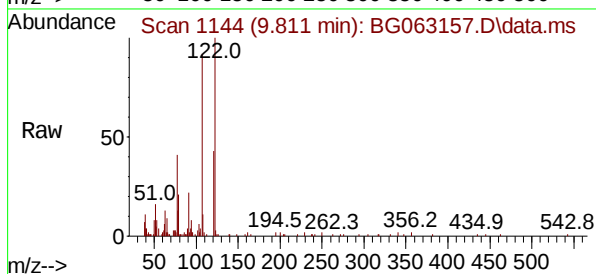




2,4-Dimethylphenol
Concen: 6.754 ng
RT: 9.811 min Scan# 1145
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

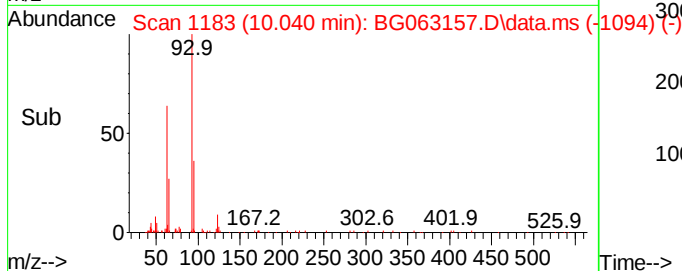
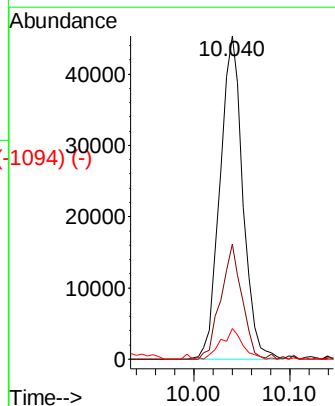
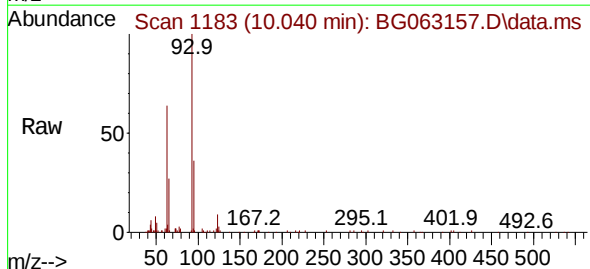
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	122	Resp:	29666
Ion	Ratio	Lower	Upper
122	100		
107	92.2	101.8	152.6#
121	43.0	45.2	67.8#

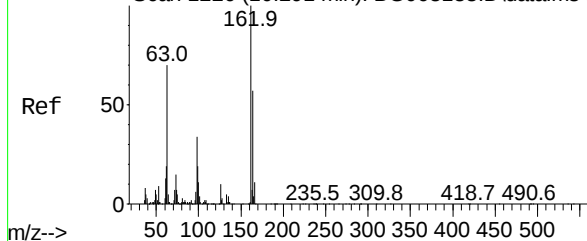


bis(2-Chloroethoxy)methane
Concen: 9.206 ng
RT: 10.040 min Scan# 1183
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	93	Resp:	75015
Ion	Ratio	Lower	Upper
93	100		
95	35.6	26.1	39.1
123	9.4	7.6	11.4



Abundance Scan 1226 (10.291 min): BG063133.D\data.ms (-1229) (-)

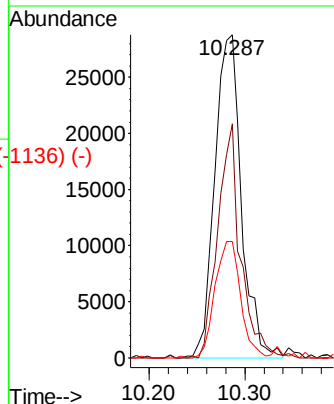
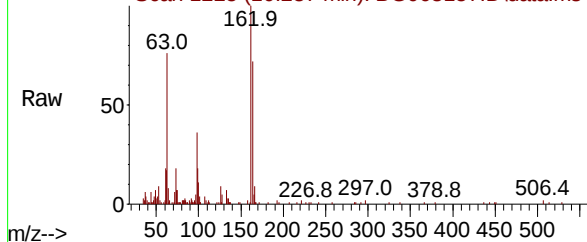


2,4-Dichlorophenol
Concen: 8.376 ng
RT: 10.287 min Scan# 1229
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

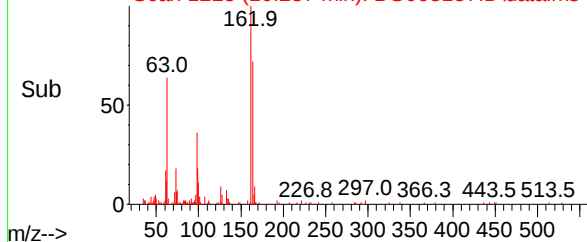
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	162	Resp:	55568
Ion	Ratio	Lower	Upper
162	100		
164	72.4	37.2	77.2
98	36.0	14.0	54.0

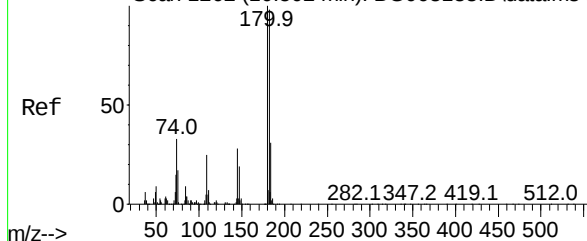
Abundance Scan 1225 (10.287 min): BG063157.D\data.ms



Abundance Scan 1225 (10.287 min): BG063157.D\data.ms (-1136) (-)



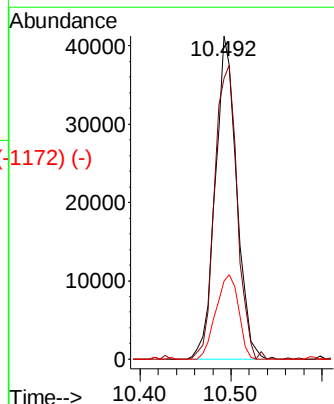
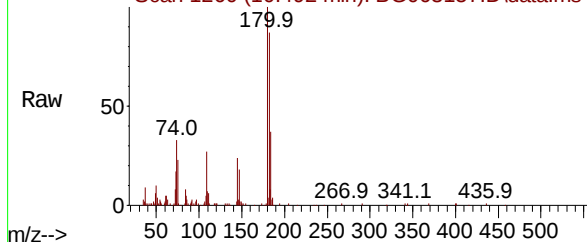
Abundance Scan 1262 (10.502 min): BG063133.D\data.ms (-1230) (-)



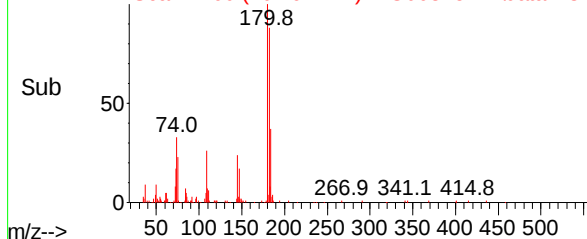
1,2,4-Trichlorobenzene
Concen: 8.272 ng
RT: 10.492 min Scan# 1260
Delta R.T. -0.010 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

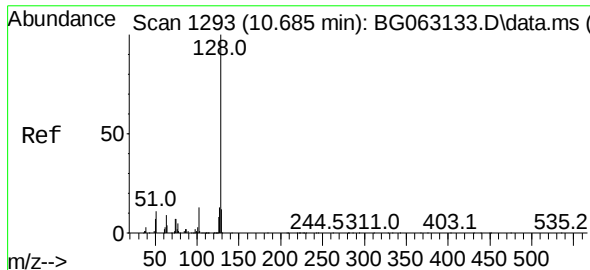
Tgt Ion:	180	Resp:	67500
Ion	Ratio	Lower	Upper
180	100		
182	83.6	78.5	117.7
145	23.2	22.6	34.0

Abundance Scan 1260 (10.492 min): BG063157.D\data.ms



Abundance Scan 1260 (10.492 min): BG063157.D\data.ms (-1172) (-)

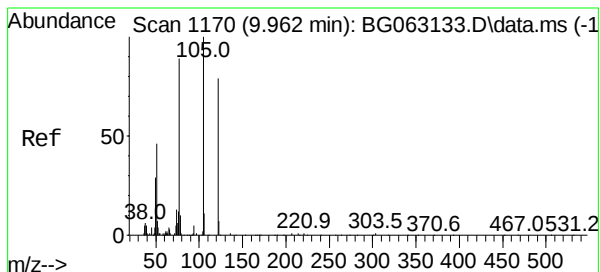
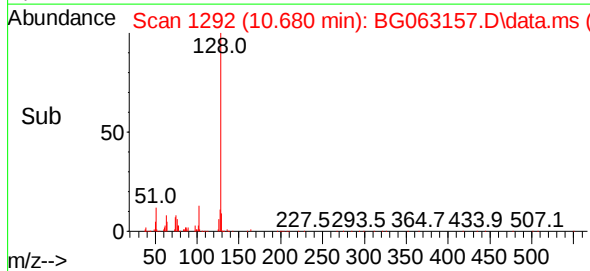
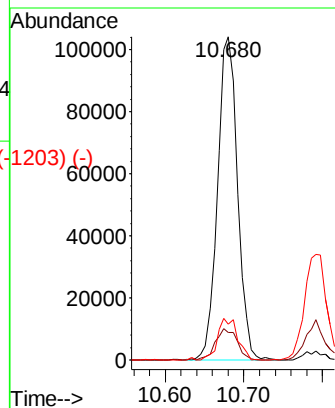
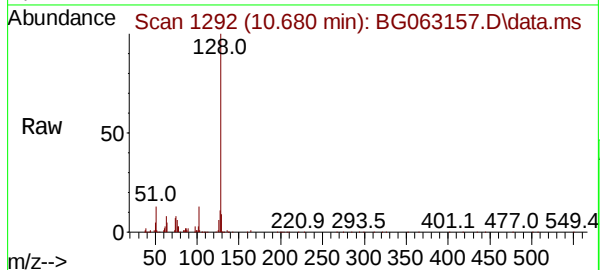




Naphthalene
Concen: 8.905 ng
RT: 10.680 min Scan# 1163
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

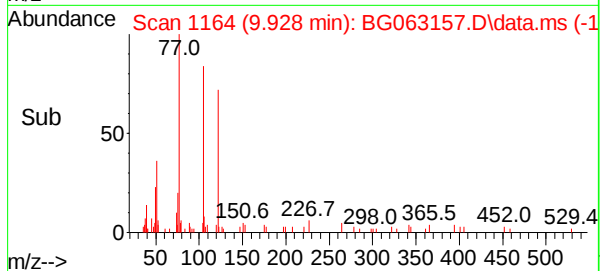
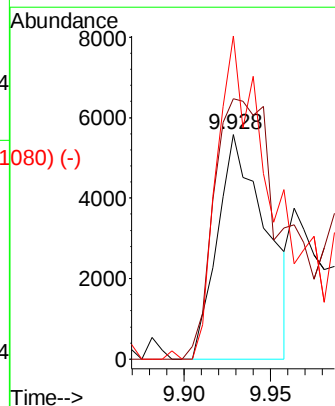
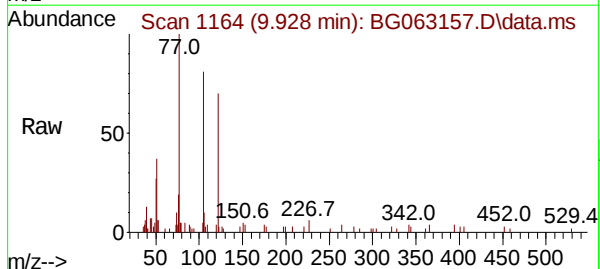
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

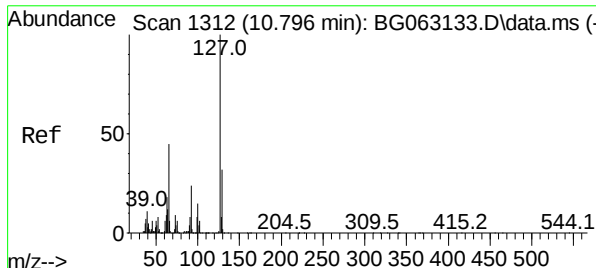
Tgt Ion:	128	Resp:	183550
Ion	Ratio	Lower	Upper
128	100		
129	8.6	9.5	14.3#
127	11.0	10.7	16.1



Benzoic acid
Concen: 2.838 ng
RT: 9.928 min Scan# 1164
Delta R.T. -0.034 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	122	Resp:	10864
Ion	Ratio	Lower	Upper
122	100		
105	115.9	105.2	145.2
77	143.8	93.0	133.0#

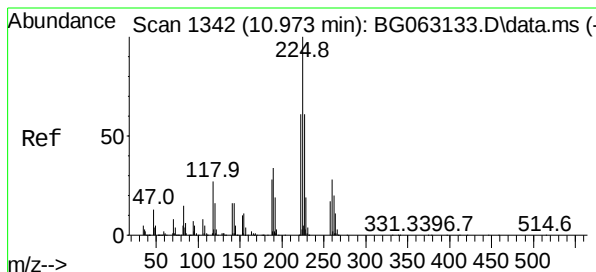
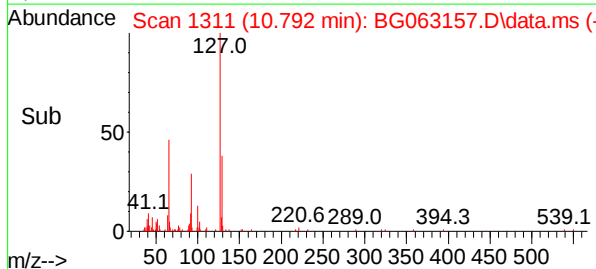
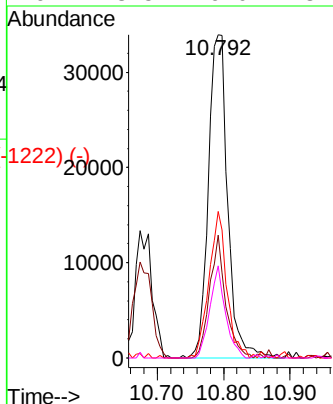
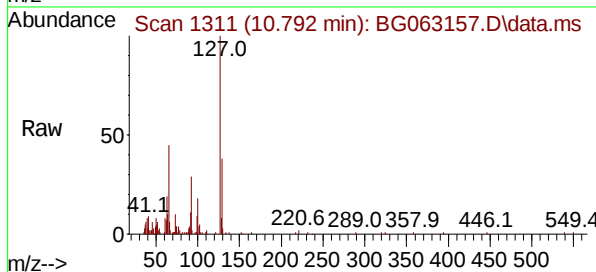




4-Chloroaniline
 Concen: 9.872 ng
 RT: 10.792 min Scan# 1312
 Delta R.T. -0.004 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

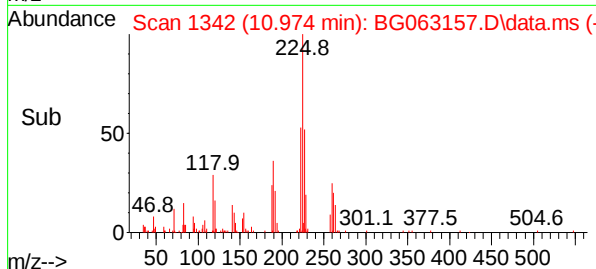
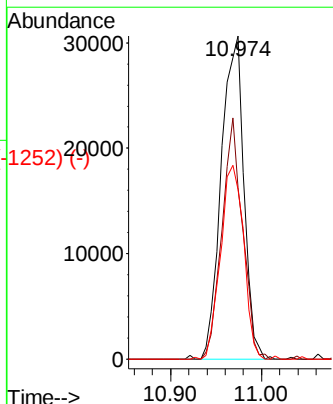
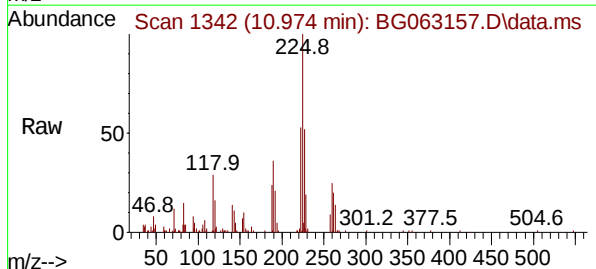
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Tgt Ion:	127	Resp:	68671
Ion	Ratio	Lower	Upper
127	100		
129	38.0	25.6	38.4
65	45.4	36.4	54.6
92	28.5	19.0	28.4#

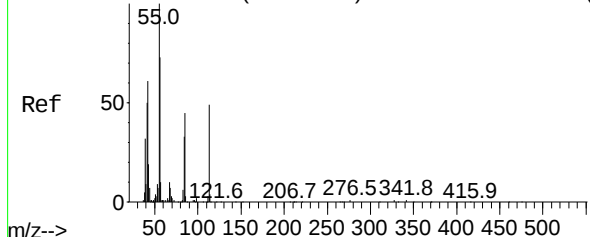


Hexachlorobutadiene
 Concen: 7.924 ng
 RT: 10.974 min Scan# 1342
 Delta R.T. 0.002 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

Tgt Ion:	225	Resp:	53212
Ion	Ratio	Lower	Upper
225	100		
223	52.1	46.2	69.4
227	50.1	46.2	69.4



Abundance Scan 1441 (11.554 min): BG063133.D\data.ms (-1435) (-)



Caprolactam

Concen: 9.595 ng

RT: 11.532 min Scan# 1437

Delta R.T. -0.022 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

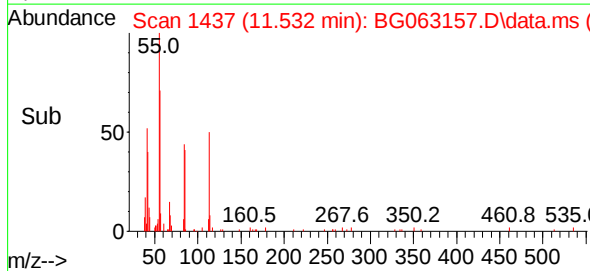
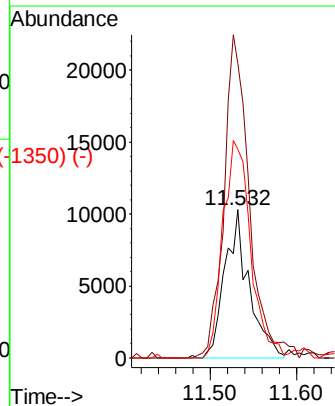
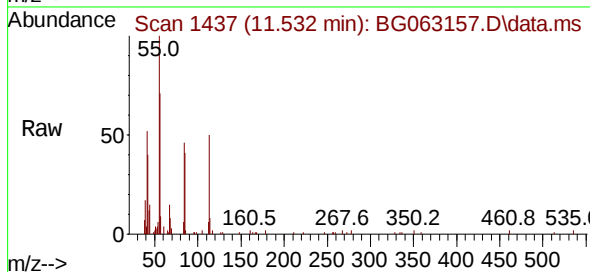
Tgt Ion:113 Resp: 20329

Ion Ratio Lower Upper

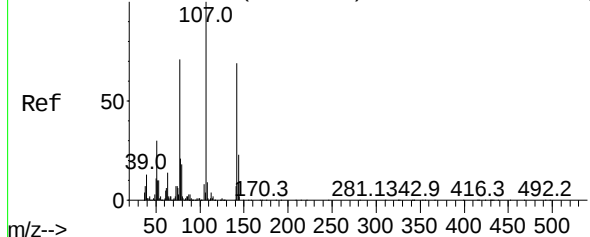
113 100

55 198.7 187.0 227.0

56 140.6 130.9 170.9



Abundance Scan 1504 (11.924 min): BG063133.D\data.ms (-1436) (-)



4-Chloro-3-methylphenol

Concen: 8.469 ng

RT: 11.920 min Scan# 1503

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

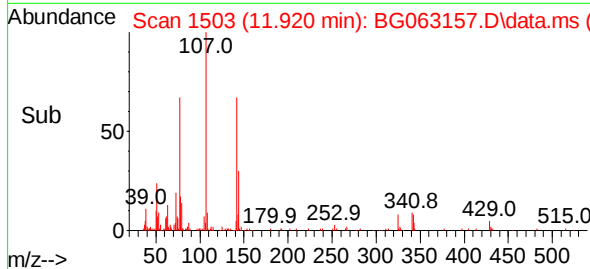
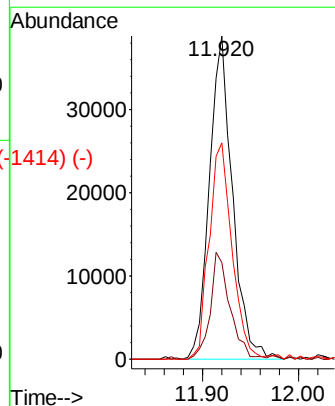
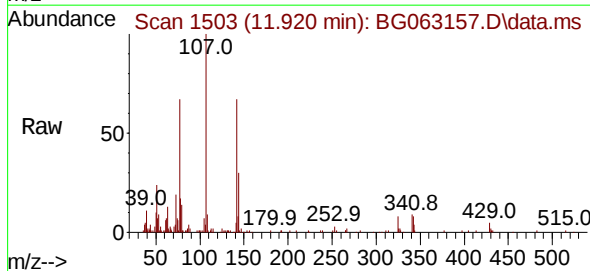
Tgt Ion:107 Resp: 64729

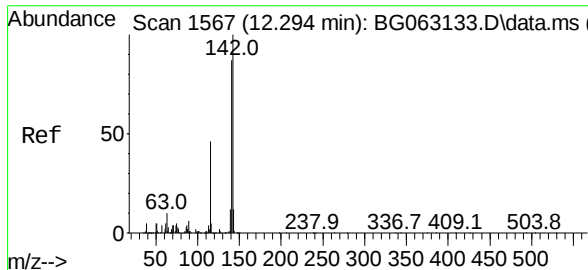
Ion Ratio Lower Upper

107 100

144 29.9 18.5 27.7#

142 67.0 55.0 82.4





2-Methylnaphthalene

Concen: 8.713 ng

RT: 12.290 min Scan# 1567

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

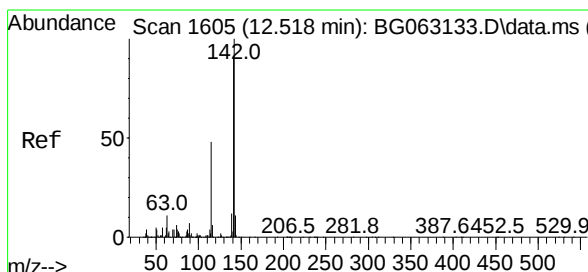
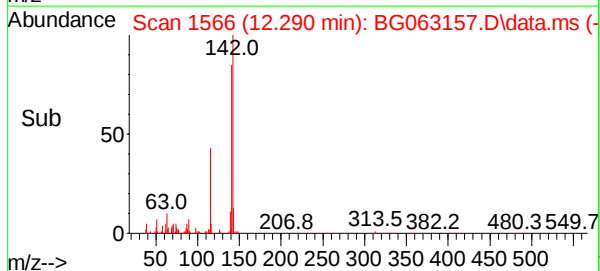
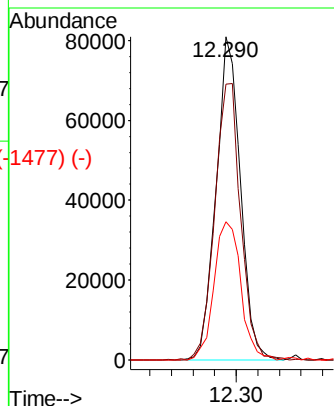
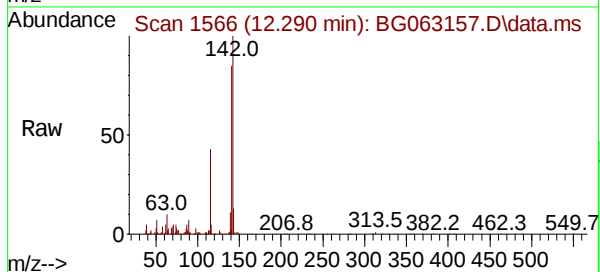
Tgt Ion:142 Resp: 127406

Ion Ratio Lower Upper

142 100

141 85.3 69.2 103.8

115 42.8 36.6 54.8



1-Methylnaphthalene

Concen: 8.355 ng

RT: 12.508 min Scan# 1603

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

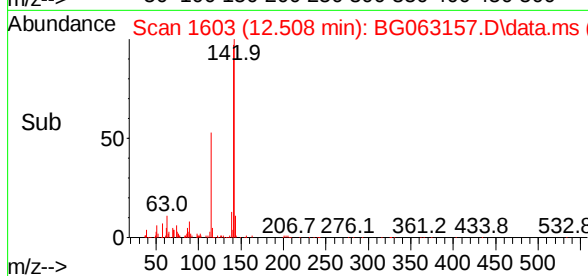
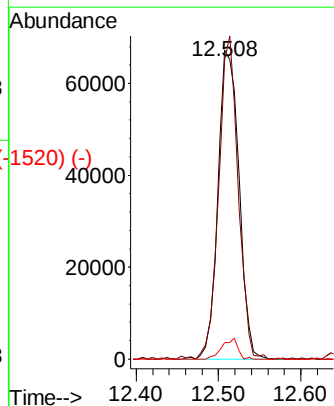
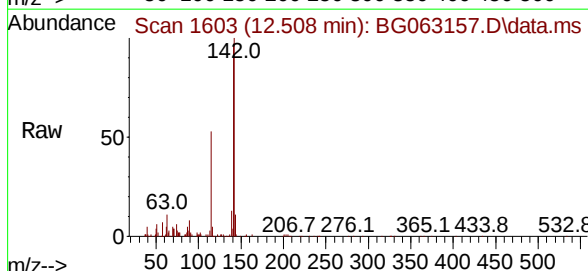
Tgt Ion:142 Resp: 120254

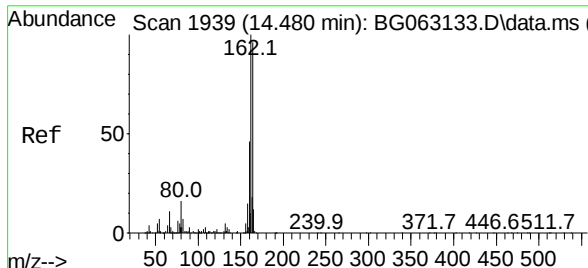
Ion Ratio Lower Upper

142 100

141 96.9 72.2 108.4

116 5.4 4.5 6.7

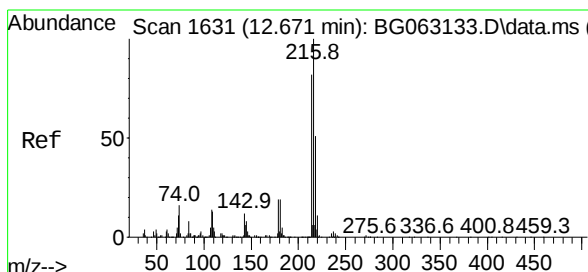
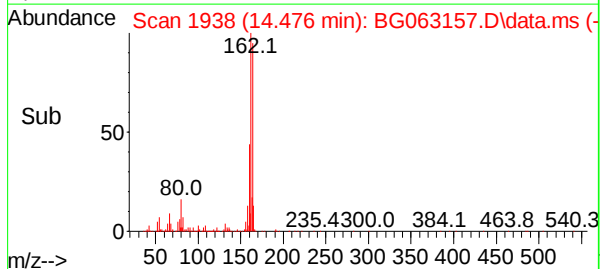
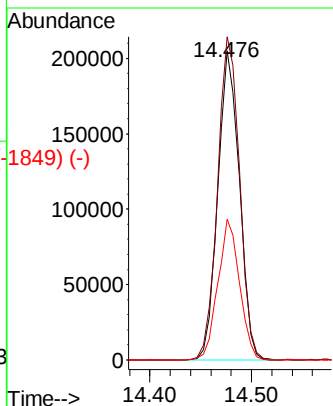
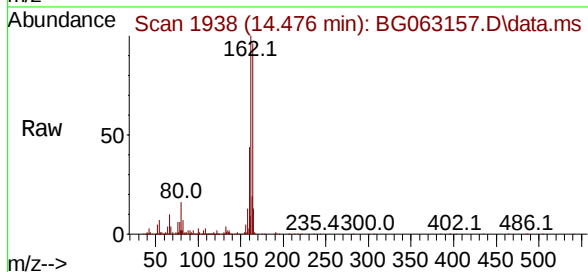




Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.476 min Scan# 1939
 Delta R.T. -0.004 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

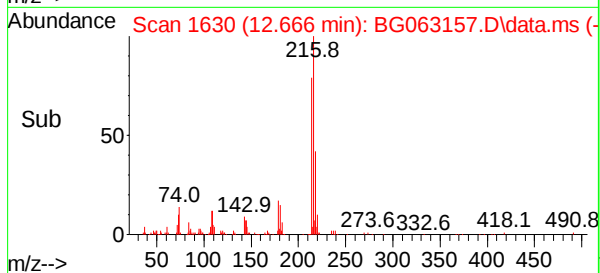
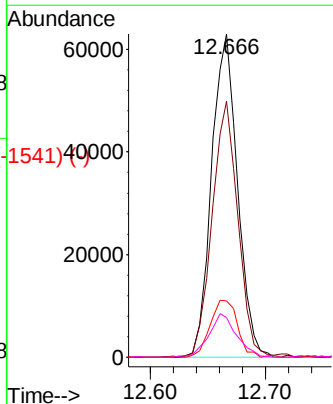
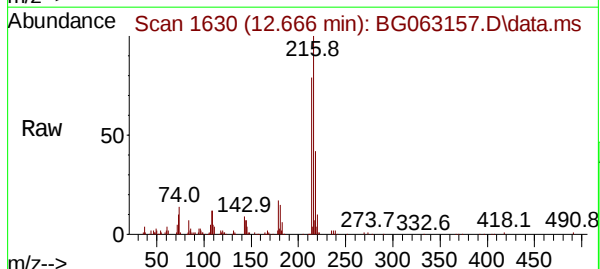
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Tgt Ion:	164	Resp:	301715
Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.4	125.0
160	45.6	38.0	57.0

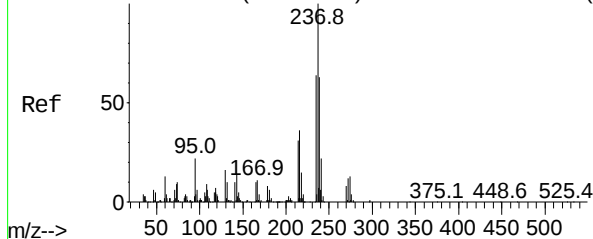


1,2,4,5-Tetrachlorobenzene
 Concen: 9.103 ng
 RT: 12.666 min Scan# 1630
 Delta R.T. -0.004 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

Tgt Ion:	216	Resp:	98688
Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.8	95.6
179	18.7	15.7	23.5
108	14.4	12.2	18.2



Abundance Scan 1627 (12.647 min): BG063133.D\data.ms (-1627) (-)



Hexachlorocyclopentadiene

Concen: 6.092 ng

RT: 12.649 min Scan# 1627

Delta R.T. 0.002 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:237 Resp: 21459

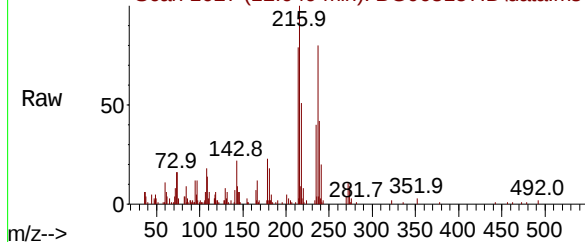
Ion Ratio Lower Upper

237 100

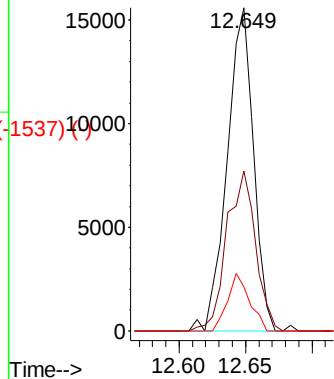
235 49.5 43.8 83.8

272 13.6 0.0 32.4

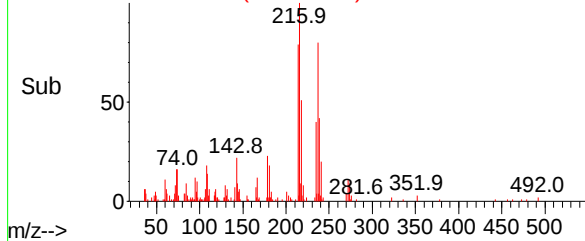
Abundance Scan 1627 (12.649 min): BG063157.D\data.ms



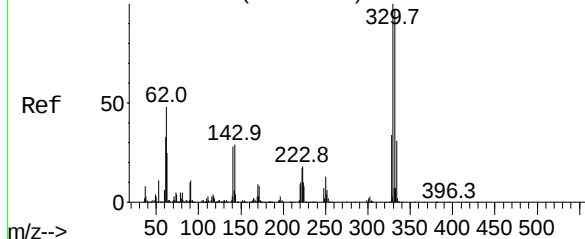
Abundance



Abundance Scan 1627 (12.649 min): BG063157.D\data.ms (-1537) (-)



Abundance Scan 2193 (15.973 min): BG063133.D\data.ms (-2193) (-)



2,4,6-Tribromophenol

Concen: 91.123 ng

RT: 15.968 min Scan# 2192

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Tgt Ion:330 Resp: 467008

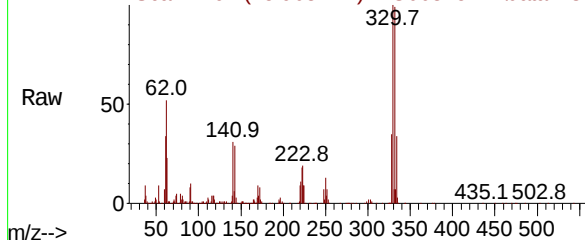
Ion Ratio Lower Upper

330 100

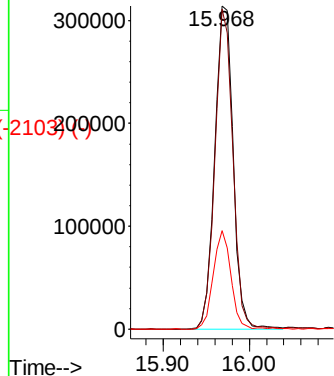
332 96.3 78.6 117.8

141 29.3 22.6 34.0

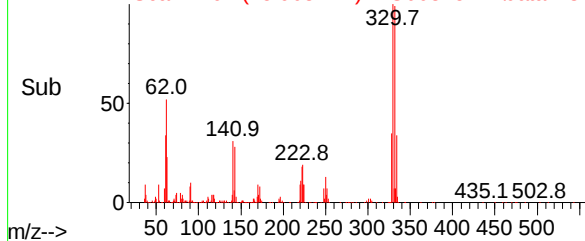
Abundance Scan 2192 (15.968 min): BG063157.D\data.ms



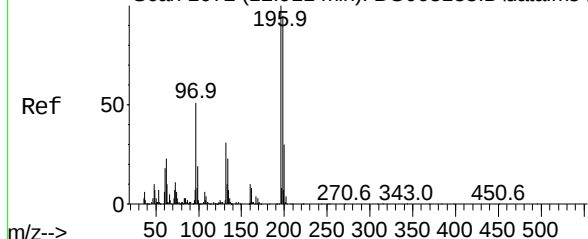
Abundance



Abundance Scan 2192 (15.968 min): BG063157.D\data.ms (-2103) (-)



Abundance Scan 1672 (12.911 min): BG063133.D\data.ms (-1682) (-)

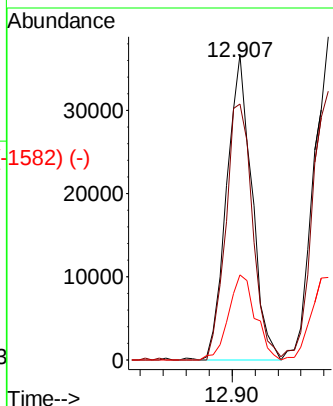
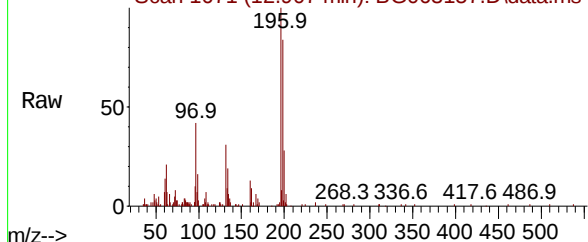


2,4,6-Trichlorophenol
Concen: 8.584 ng
RT: 12.907 min Scan# 1672
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

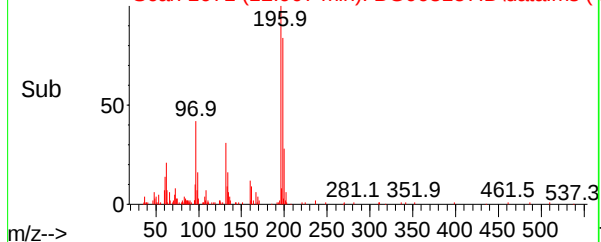
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	196	Resp:	55722
Ion	Ratio	Lower	Upper
196	100		
198	83.9	76.2	114.2
200	27.9	23.8	35.8

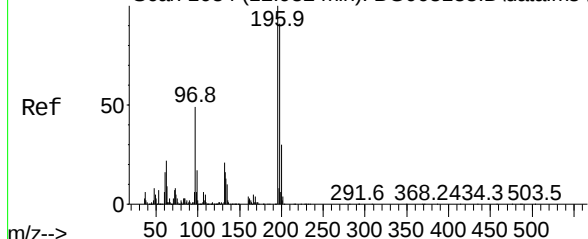
Abundance Scan 1671 (12.907 min): BG063157.D\data.ms



Abundance Scan 1671 (12.907 min): BG063157.D\data.ms (-1582) (-)



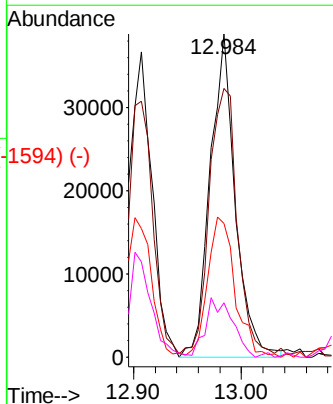
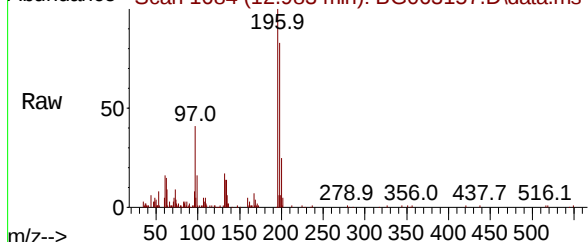
Abundance Scan 1684 (12.982 min): BG063133.D\data.ms (-1674) (-)



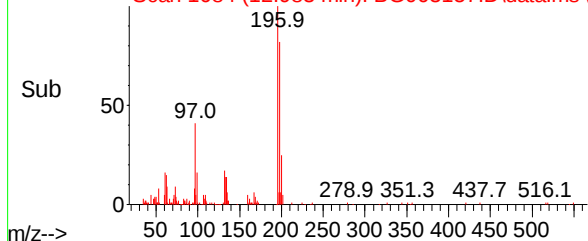
2,4,5-Trichlorophenol
Concen: 8.853 ng
RT: 12.983 min Scan# 1684
Delta R.T. 0.002 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	196	Resp:	63182
Ion	Ratio	Lower	Upper
196	100		
198	78.5	73.2	109.8
97	39.0	39.1	58.7#
132	15.9	17.2	25.8#

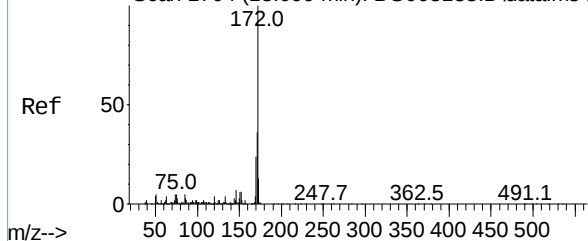
Abundance Scan 1684 (12.983 min): BG063157.D\data.ms



Abundance Scan 1684 (12.983 min): BG063157.D\data.ms (-1594) (-)



Abundance Scan 1704 (13.099 min): BG063133.D\data.ms (-1695) (-)

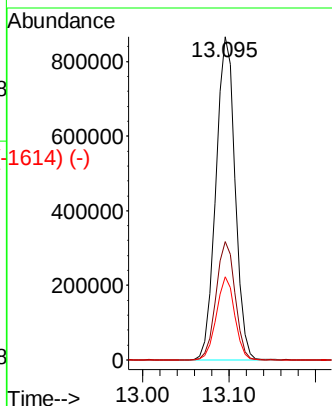
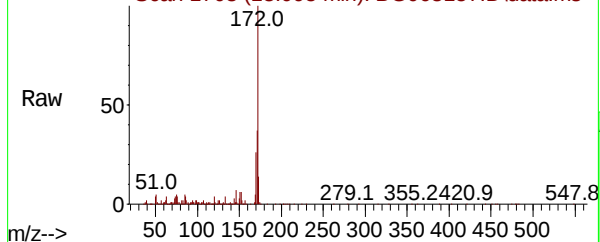


2-Fluorobiphenyl
Concen: 66.162 ng
RT: 13.095 min Scan# 1695
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

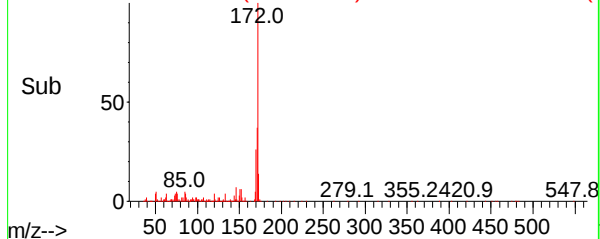
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	172	Resp:	1347782
Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.6	42.8
170	25.7	19.4	29.2

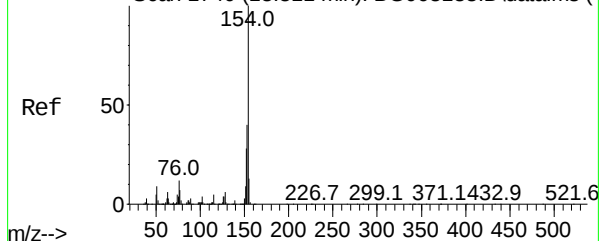
Abundance Scan 1703 (13.095 min): BG063157.D\data.ms



Abundance Scan 1703 (13.095 min): BG063157.D\data.ms (-1614) (-)



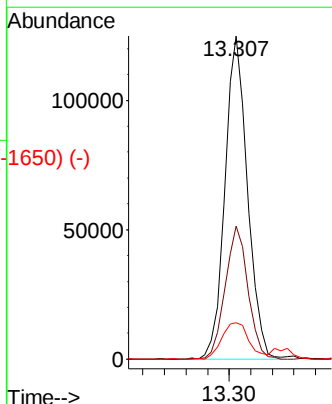
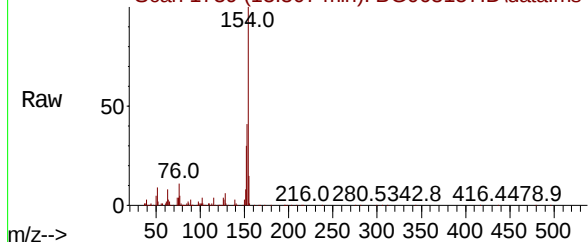
Abundance Scan 1740 (13.311 min): BG063133.D\data.ms (-1740) (-)



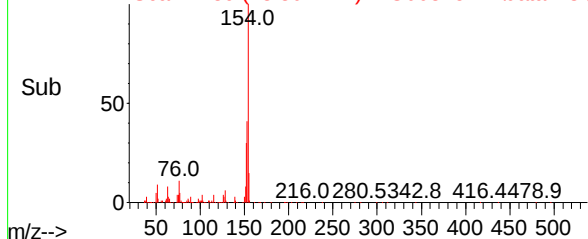
1,1'-Biphenyl
Concen: 8.931 ng
RT: 13.307 min Scan# 1739
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

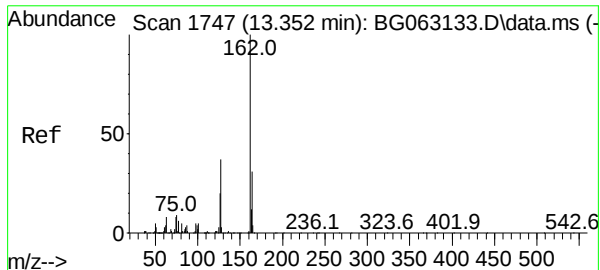
Tgt Ion:	154	Resp:	182900
Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.3	60.3
76	11.3	0.0	32.5

Abundance Scan 1739 (13.307 min): BG063157.D\data.ms



Abundance Scan 1739 (13.307 min): BG063157.D\data.ms (-1650) (-)





2-Chloronaphthalene

Concen: 8.703 ng

RT: 13.348 min Scan# 1747

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

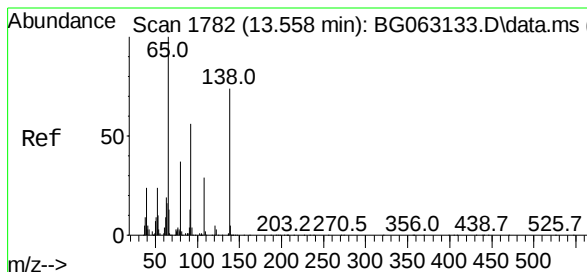
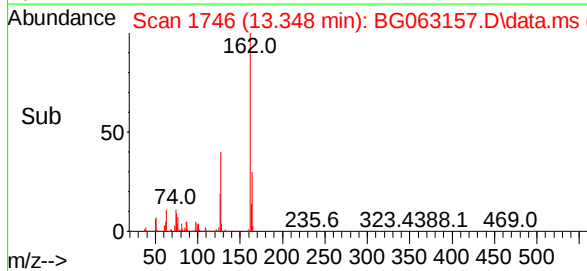
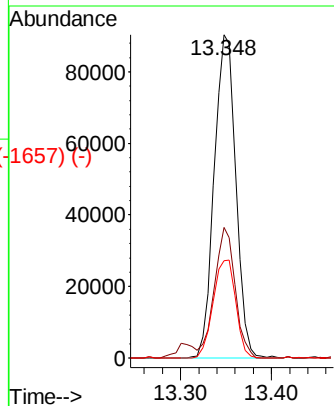
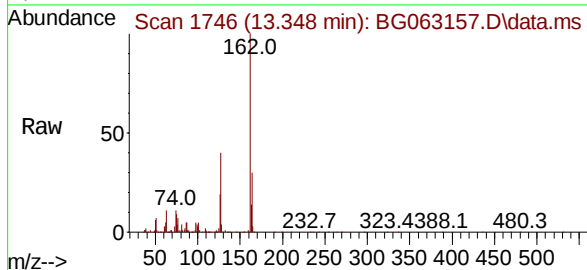
Tgt Ion:162 Resp: 149253

Ion Ratio Lower Upper

162 100

127 40.4 30.3 45.5

164 30.1 24.6 36.8



2-Nitroaniline

Concen: 8.867 ng

RT: 13.553 min Scan# 1781

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

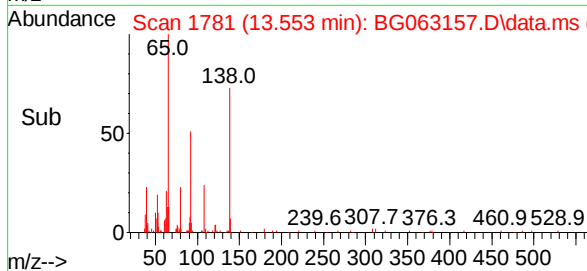
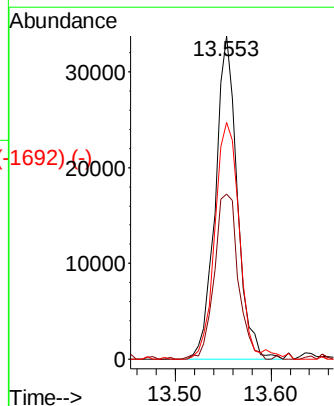
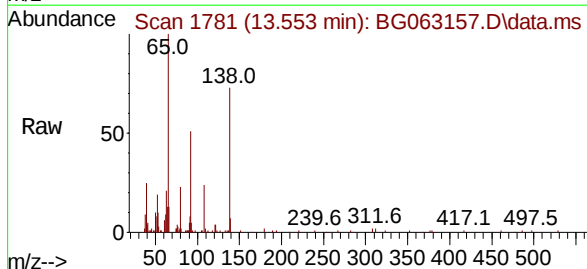
Tgt Ion: 65 Resp: 53375

Ion Ratio Lower Upper

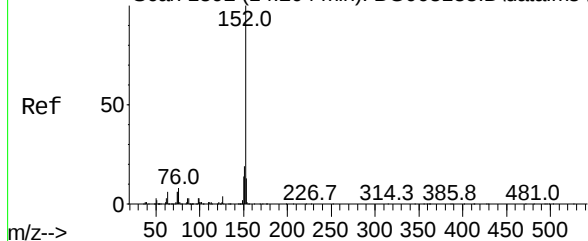
65 100

92 51.0 44.6 66.8

138 73.3 59.0 88.4



Abundance Scan 1892 (14.204 min): BG063133.D\data.ms (-1874) (-)



Acenaphthylene

Concen: 9.549 ng

RT: 14.194 min Scan# 1890

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:152 Resp: 231203

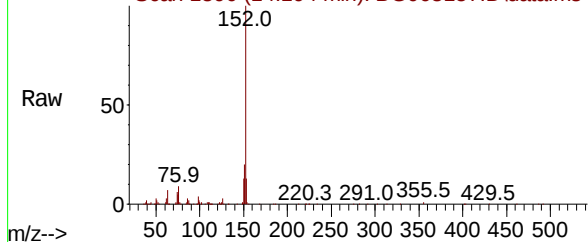
Ion Ratio Lower Upper

152 100

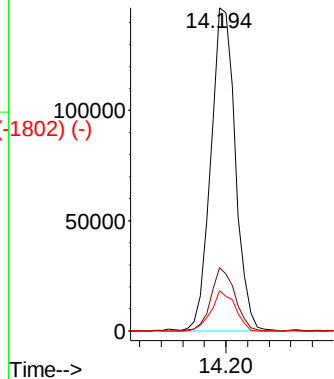
151 19.6 15.0 22.4

153 12.5 10.1 15.1

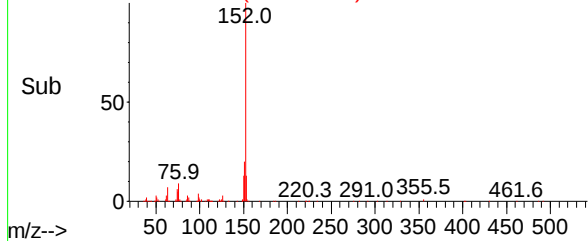
Abundance Scan 1890 (14.194 min): BG063157.D\data.ms



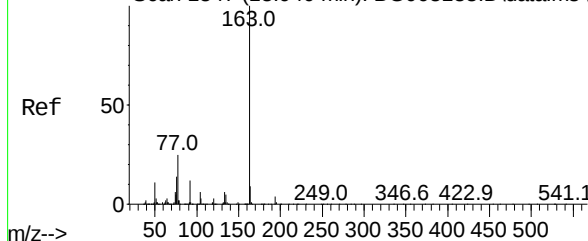
Abundance



Abundance Scan 1890 (14.194 min): BG063157.D\data.ms (-1802) (-)



Abundance Scan 1847 (13.940 min): BG063133.D\data.ms (-1850) (-)



Dimethylphthalate

Concen: 8.808 ng

RT: 13.929 min Scan# 1845

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Tgt Ion:163 Resp: 189409

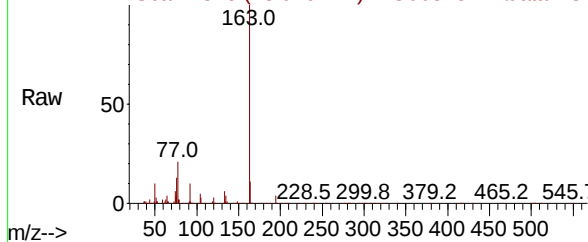
Ion Ratio Lower Upper

163 100

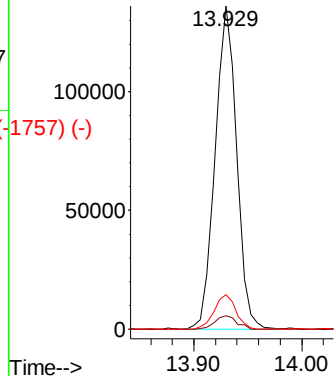
194 4.0 3.4 5.0

164 11.0 7.0 10.6#

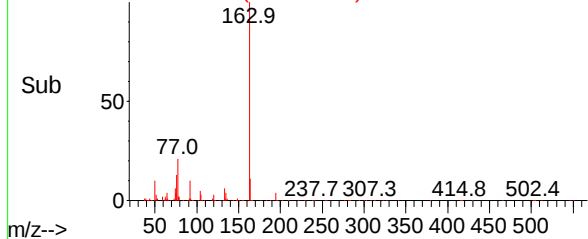
Abundance Scan 1845 (13.929 min): BG063157.D\data.ms

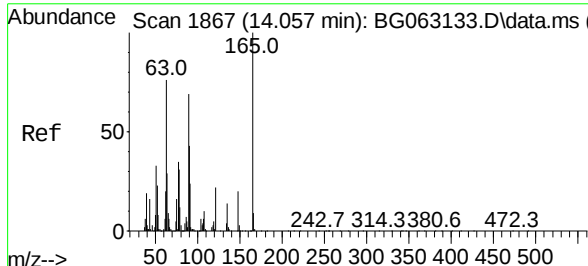


Abundance



Abundance Scan 1845 (13.929 min): BG063157.D\data.ms (-1757) (-)

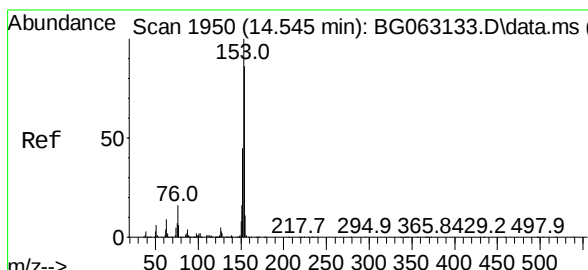
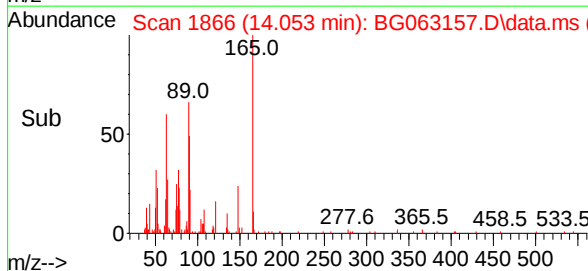
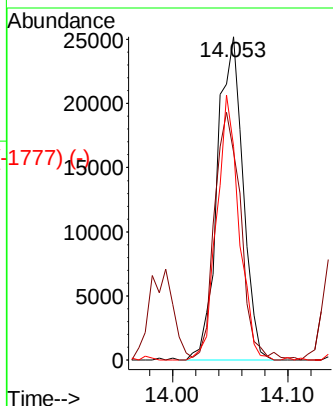
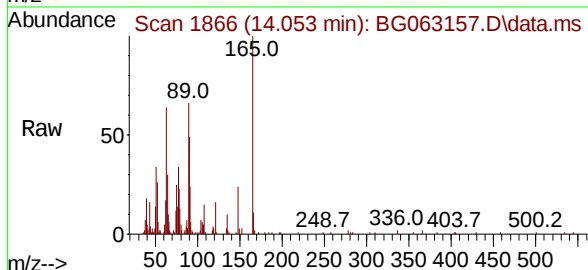




Scan 1867 (14.057 min): BG063133.D\data.ms (-1750)
 2,6-Dinitrotoluene
 Concen: 8.470 ng
 RT: 14.053 min Scan# 1866
 Delta R.T. -0.004 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

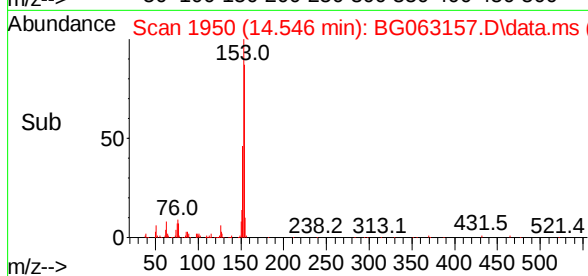
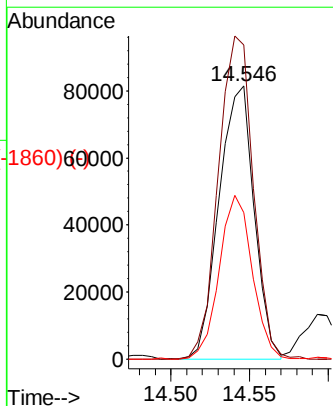
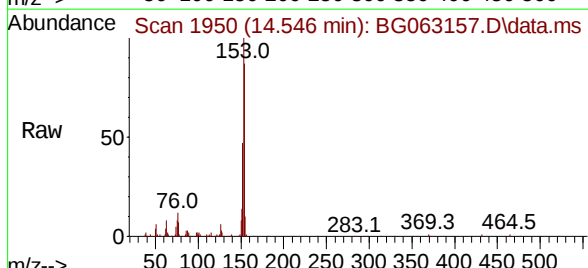
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

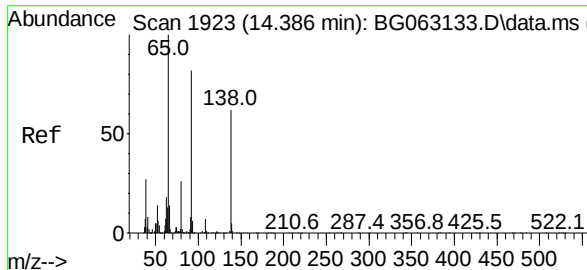
Tgt Ion:	165	Resp:	38887
Ion	Ratio	Lower	Upper
165	100		
63	64.3	63.8	95.8
89	66.1	55.1	82.7



Scan 1950 (14.545 min): BG063133.D\data.ms (-1950)
 Acenaphthene
 Concen: 8.436 ng
 RT: 14.546 min Scan# 1950
 Delta R.T. 0.002 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

Tgt Ion:	154	Resp:	126456
Ion	Ratio	Lower	Upper
154	100		
153	115.2	93.1	139.7
152	53.6	42.2	63.2





3-Nitroaniline

Concen: 8.925 ng

RT: 14.382 min Scan# 1953

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

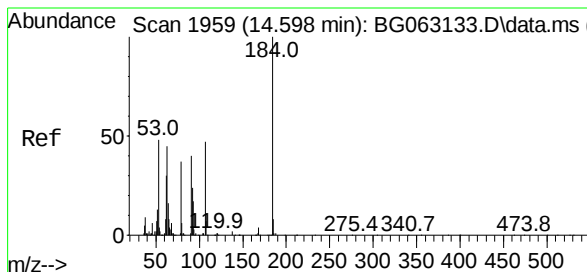
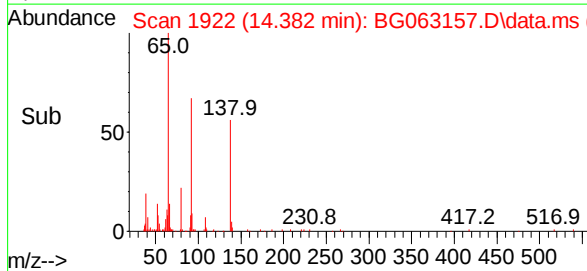
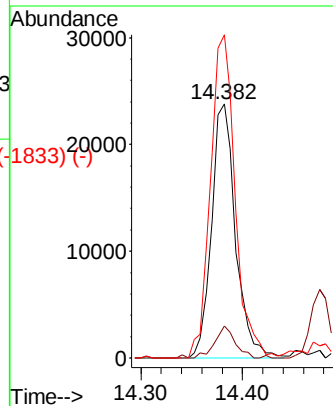
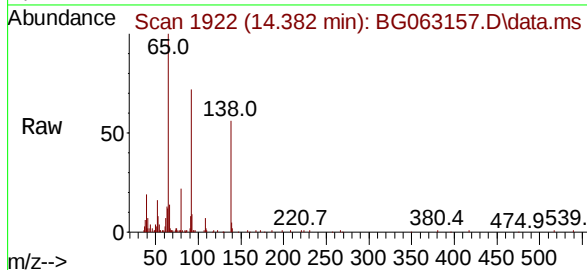
Tgt Ion:138 Resp: 38903

Ion Ratio Lower Upper

138 100

108 12.5 9.4 14.0

92 127.2 106.2 159.2



2,4-Dinitrophenol

Concen: 12.229 ng

RT: 14.593 min Scan# 1958

Delta R.T. -0.005 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

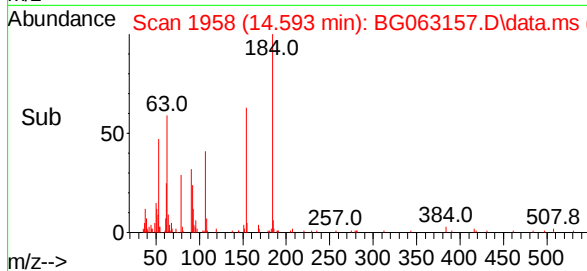
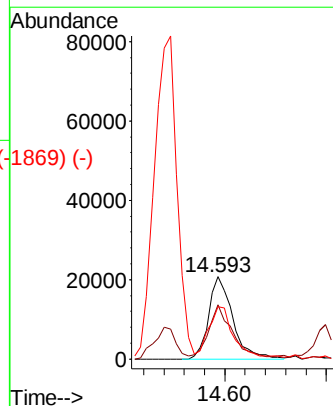
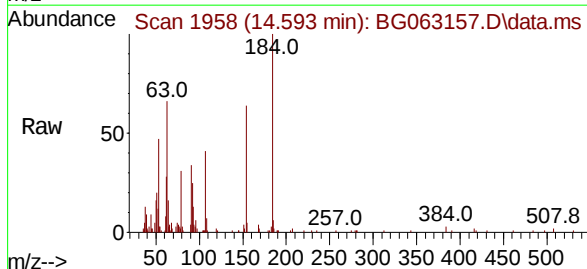
Tgt Ion:184 Resp: 34241

Ion Ratio Lower Upper

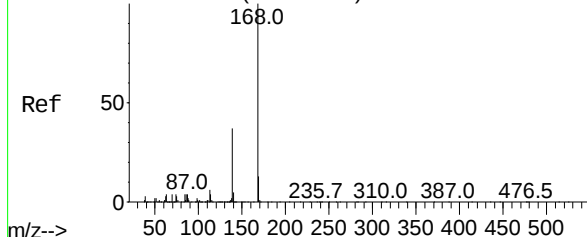
184 100

63 66.1 58.5 87.7

154 63.9 60.6 90.8



Abundance Scan 2007 (14.880 min): BG063133.D\data.ms (-1956) (-)



Dibenzenofuran

Concen: 9.294 ng

RT: 14.875 min Scan# 1956

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:168 Resp: 245642

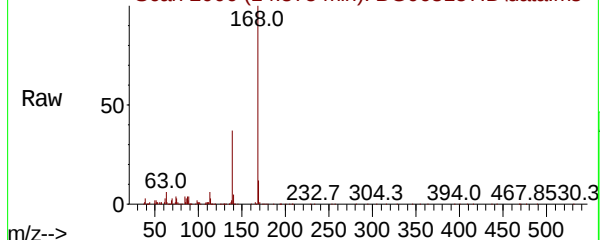
Ion Ratio Lower Upper

168 100

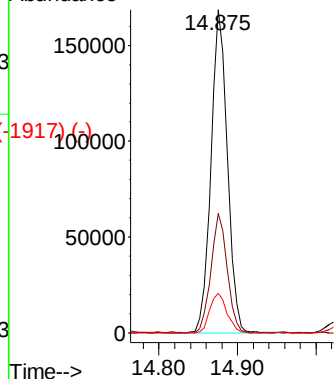
139 37.0 29.9 44.9

169 12.2 10.4 15.6

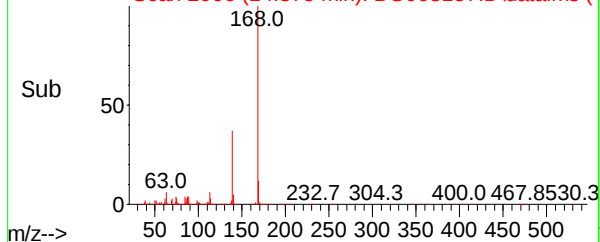
Abundance Scan 2006 (14.875 min): BG063157.D\data.ms



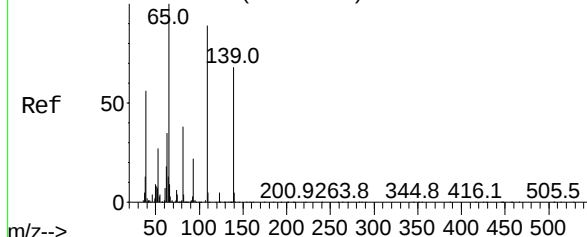
Abundance



Abundance Scan 2006 (14.875 min): BG063157.D\data.ms (-1917) (-)



Abundance Scan 1977 (14.703 min): BG063133.D\data.ms (-1956) (-)



4-Nitrophenol

Concen: 8.584 ng

RT: 14.699 min Scan# 1976

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Tgt Ion:139 Resp: 28328

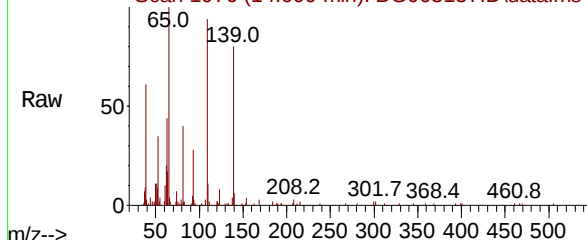
Ion Ratio Lower Upper

139 100

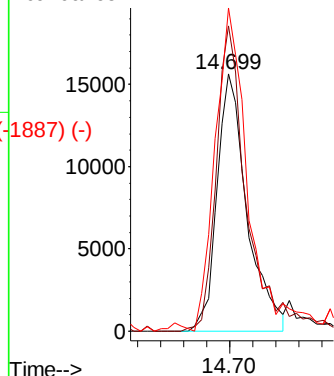
109 118.6 112.0 152.0

65 125.6 127.6 167.6#

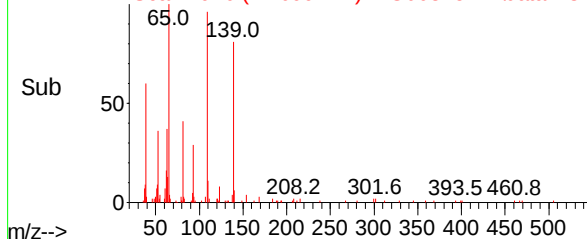
Abundance Scan 1976 (14.699 min): BG063157.D\data.ms

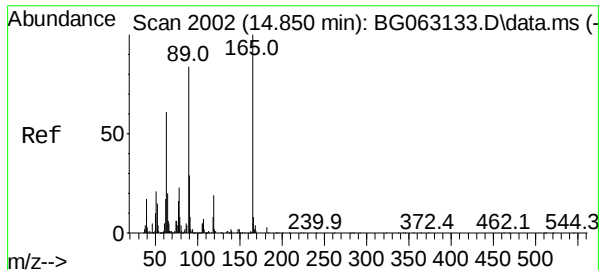


Abundance



Abundance Scan 1976 (14.699 min): BG063157.D\data.ms (-1887) (-)

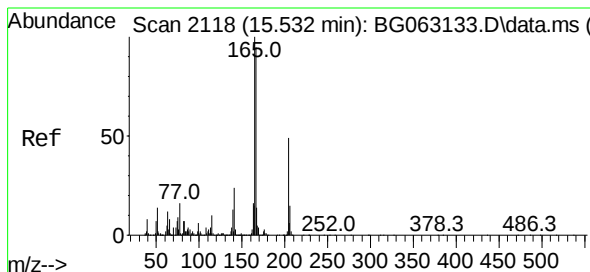
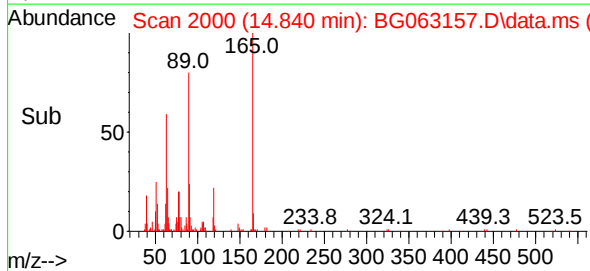
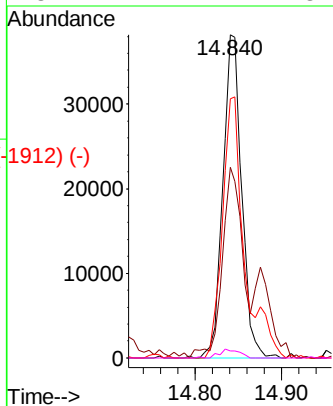
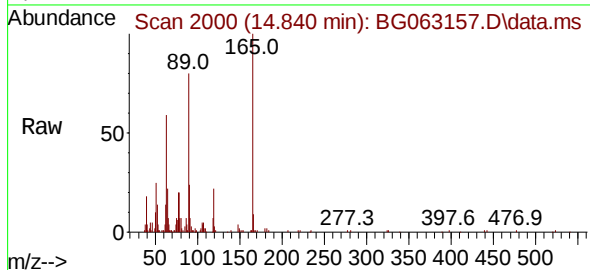




2,4-Dinitrotoluene
Concen: 8.955 ng
RT: 14.840 min Scan# 2117
Delta R.T. -0.010 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

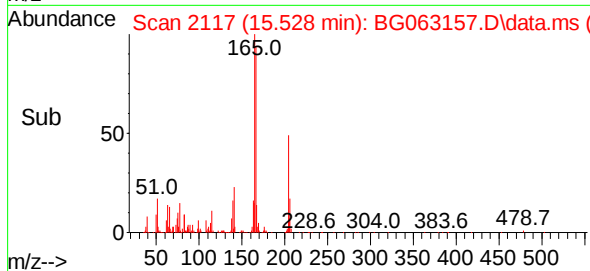
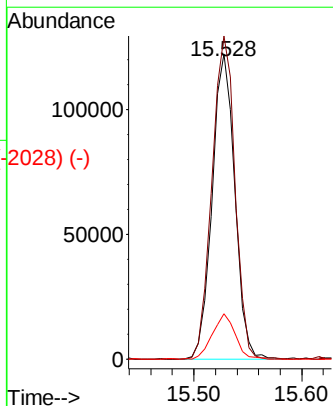
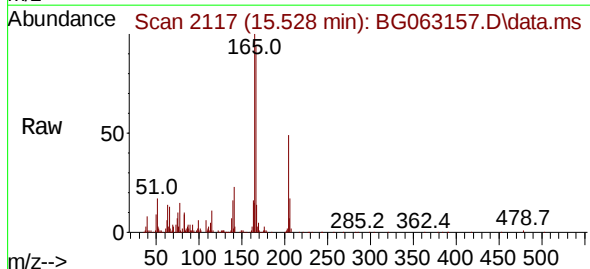
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

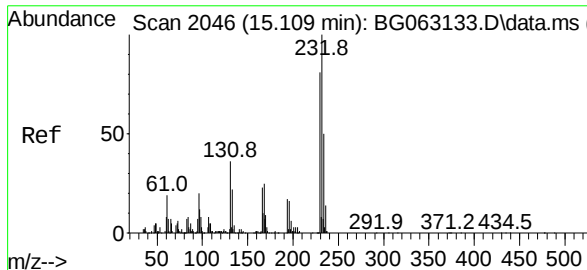
Tgt Ion:	165	Resp:	58801
Ion	Ratio	Lower	Upper
165	100		
63	58.9	49.0	73.4
89	80.1	67.4	101.0
182	2.2	2.2	3.4#



Fluorene
Concen: 8.549 ng
RT: 15.528 min Scan# 2117
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	166	Resp:	179051
Ion	Ratio	Lower	Upper
166	100		
165	106.0	84.1	126.1
167	14.8	11.6	17.4

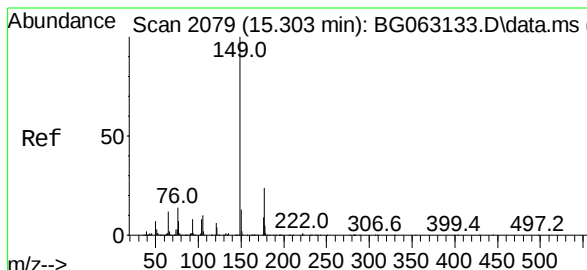
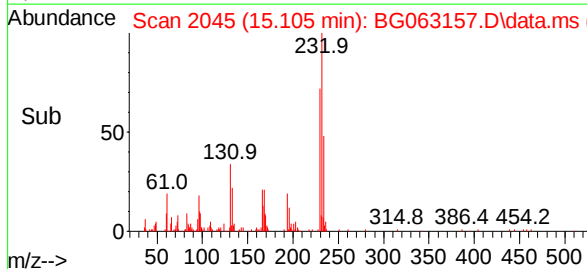
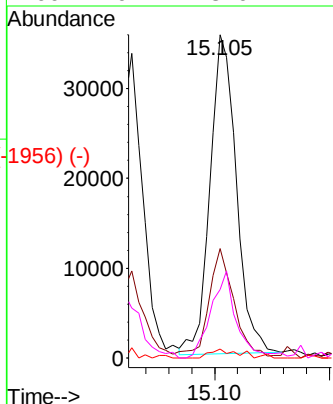
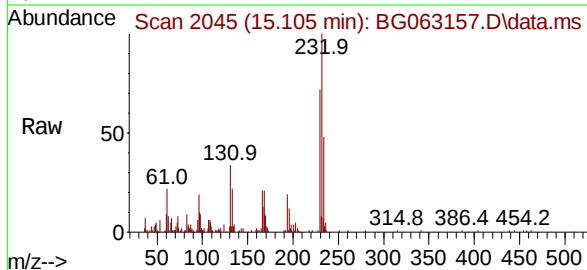




2,3,4,6-Tetrachlorophenol
Concen: 8.265 ng
RT: 15.105 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

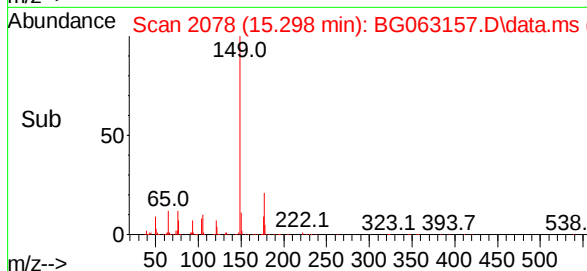
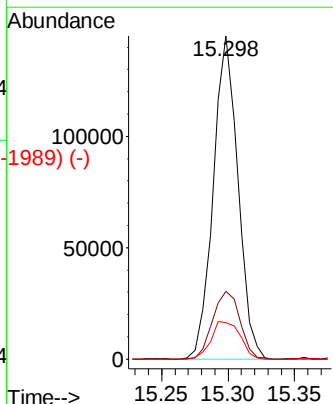
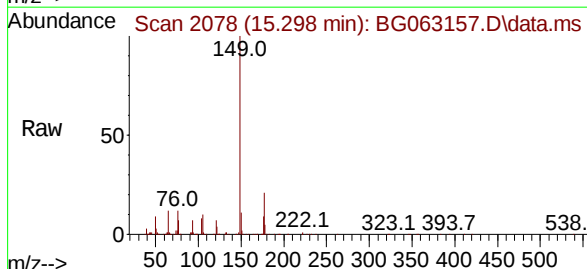
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	232	Resp:	56607
Ion	Ratio	Lower	Upper
232	100		
131	33.2	26.8	40.2
130	2.9	1.8	2.8#
166	26.4	18.6	27.8



Diethylphthalate
Concen: 8.442 ng
RT: 15.298 min Scan# 2078
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	149	Resp:	186394
Ion	Ratio	Lower	Upper
149	100		
177	21.0	18.8	28.2
150	11.2	10.2	15.4



Abundance Scan 2117 (15.526 min): BG063133.D\data.ms (-2163) (-)

4-Chlorophenyl-phenylether

Concen: 8.685 ng

RT: 15.522 min Scan# 2117

Delta R.T. -0.004 min

Lab File: BG063157.D

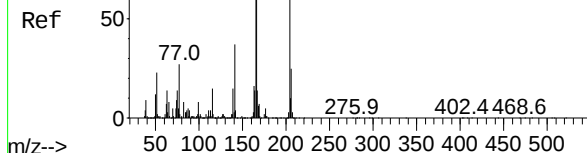
Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024



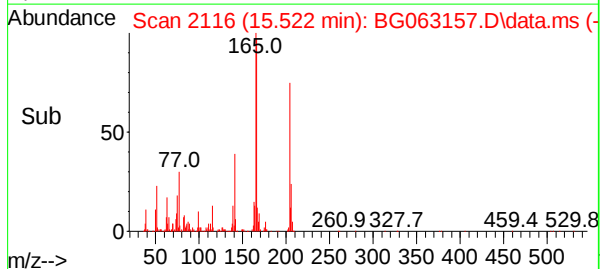
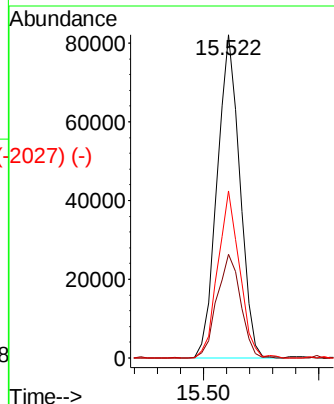
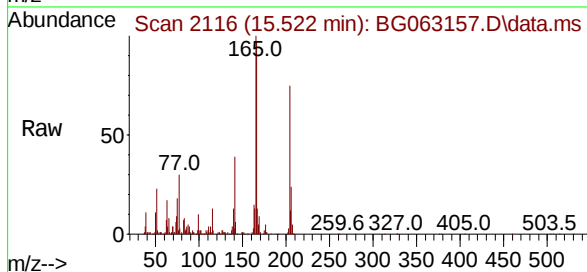
Tgt Ion:204 Resp: 113061

Ion Ratio Lower Upper

204 100

206 32.1 27.0 40.4

141 51.6 41.0 61.4



Abundance Scan 2121 (15.549 min): BG063133.D\data.ms (-2162) (-)

4-Nitroaniline

Concen: 9.343 ng

RT: 15.545 min Scan# 2120

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

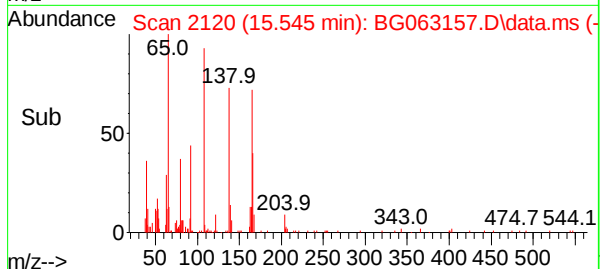
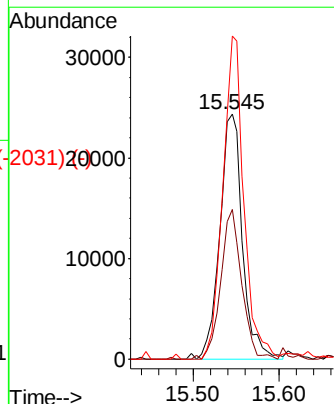
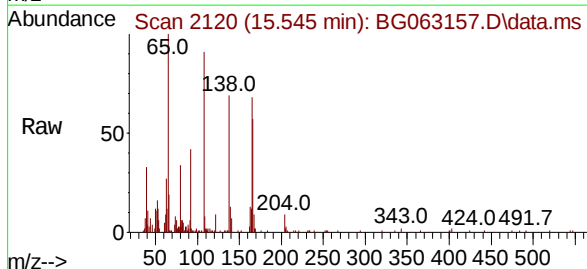
Tgt Ion:138 Resp: 44932

Ion Ratio Lower Upper

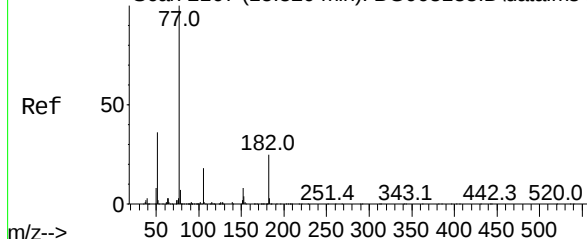
138 100

92 60.9 46.2 86.2

108 131.8 126.8 166.8



Abundance Scan 2167 (15.820 min): BG063133.D\data.ms (-2167) (-)



Azobenzene

Concen: 9.124 ng

RT: 15.815 min Scan# 2166

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 77 Resp: 208357

Ion Ratio Lower Upper

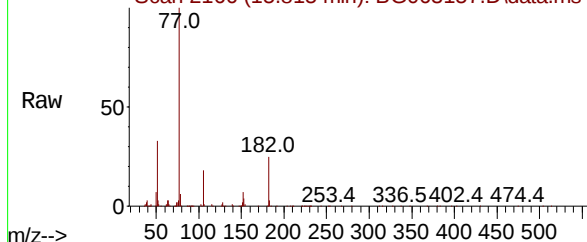
77 100

182 25.1 5.4 45.4

105 17.9 0.0 37.5

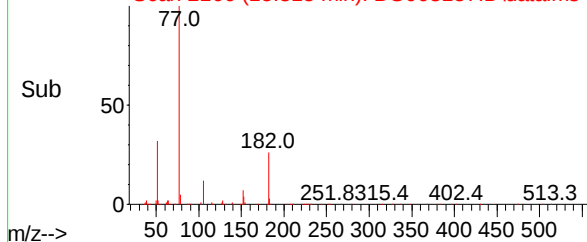
51 32.9 15.9 55.9

Abundance Scan 2166 (15.815 min): BG063157.D\data.ms

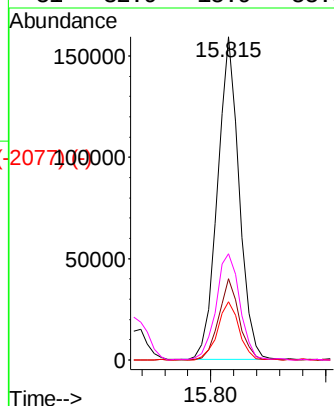


m/z-->

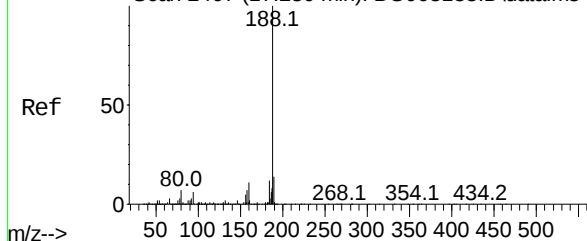
Abundance Scan 2166 (15.815 min): BG063157.D\data.ms (-2167) (-)



m/z-->



Abundance Scan 2407 (17.230 min): BG063133.D\data.ms (-2407) (-)



Phenanthrene-d10

Concen: 20.000 ng

RT: 17.226 min Scan# 2406

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Tgt Ion: 188 Resp: 789709

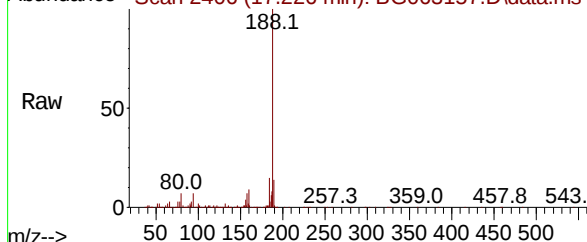
Ion Ratio Lower Upper

188 100

94 6.8 4.8 7.2

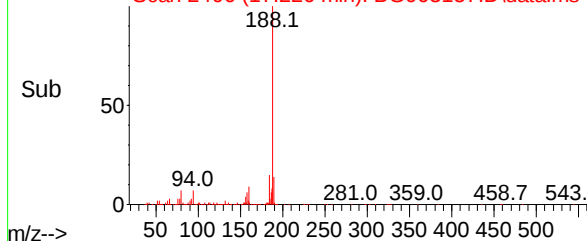
80 6.8 5.9 8.9

Abundance Scan 2406 (17.226 min): BG063157.D\data.ms

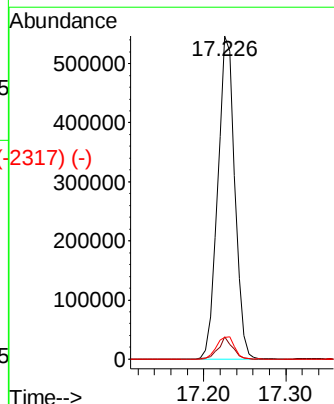


m/z-->

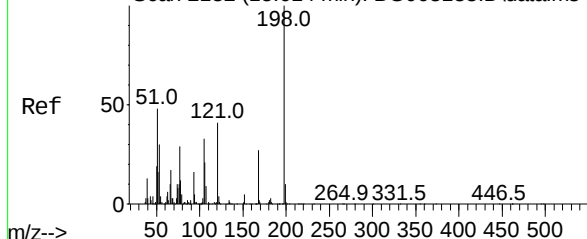
Abundance Scan 2406 (17.226 min): BG063157.D\data.ms (-2317) (-)



m/z-->



Abundance Scan 2132 (15.614 min): BG063133.D\data.ms (-2155) (-)

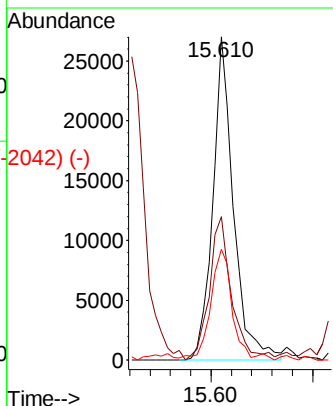
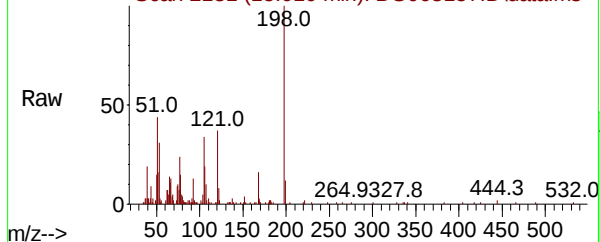


4,6-Dinitro-2-methylphenol
Concen: 7.482 ng
RT: 15.610 min Scan# 2132
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

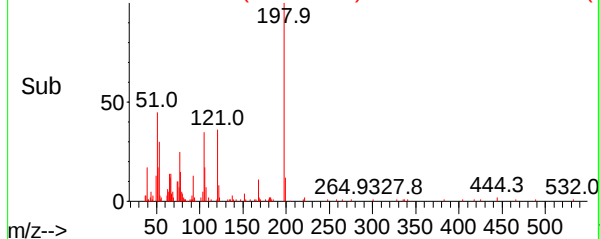
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	198	Resp:	37986
Ion	Ratio	Lower	Upper
198	100		
51	44.4	30.3	70.3
105	34.2	13.6	53.6

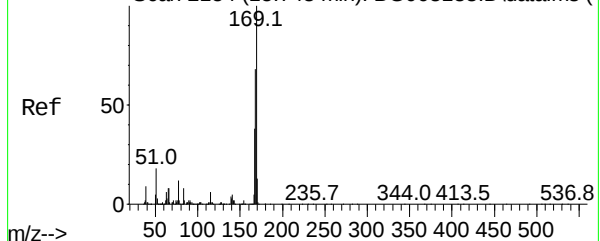
Abundance Scan 2131 (15.610 min): BG063157.D\data.ms



Abundance Scan 2131 (15.610 min): BG063157.D\data.ms (-2042) (-)



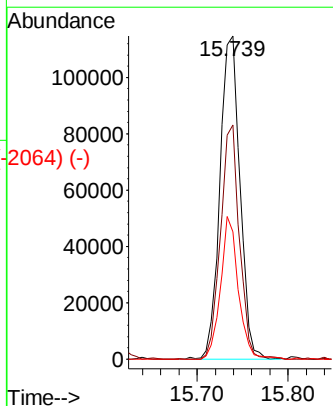
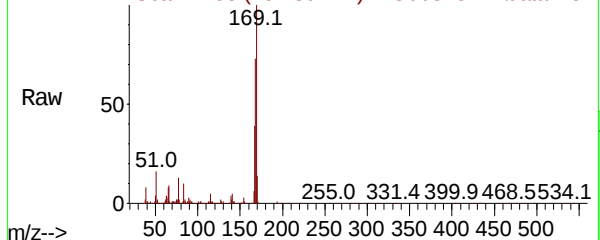
Abundance Scan 2154 (15.743 min): BG063133.D\data.ms (-2166) (-)



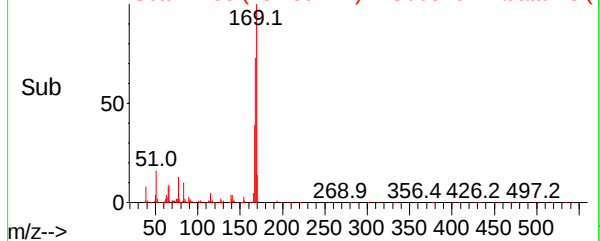
n-Nitrosodiphenylamine
Concen: 8.929 ng
RT: 15.739 min Scan# 2153
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	169	Resp:	175903
Ion	Ratio	Lower	Upper
169	100		
168	72.6	54.8	82.2
167	39.3	30.2	45.4

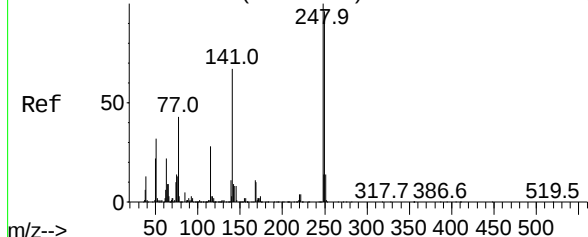
Abundance Scan 2153 (15.739 min): BG063157.D\data.ms



Abundance Scan 2153 (15.739 min): BG063157.D\data.ms (-2064) (-)



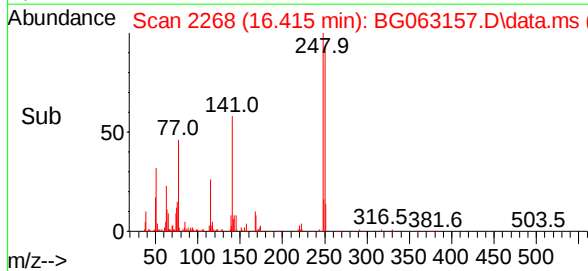
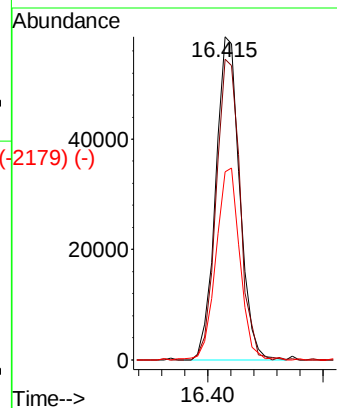
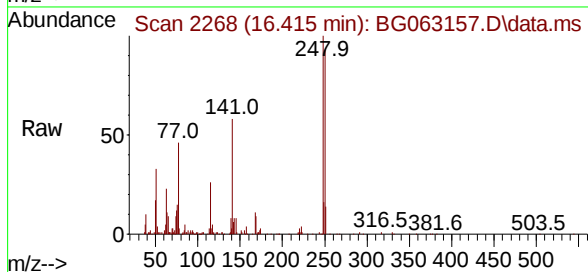
Abundance Scan 2269 (16.419 min): BG063133.D\data.ms (-2269) (-)



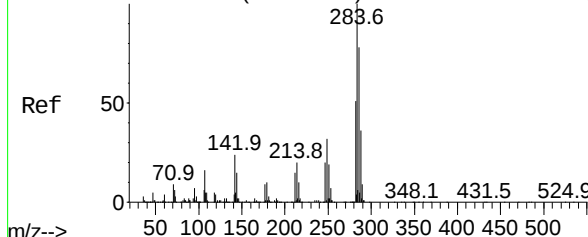
4-Bromophenyl-phenylether
Concen: 8.759 ng
RT: 16.415 min Scan# 2269
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

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

Tgt Ion:	248	Resp:	84771
Ion	Ratio	Lower	Upper
248	100		
250	93.0	76.6	115.0
141	58.3	53.9	80.9

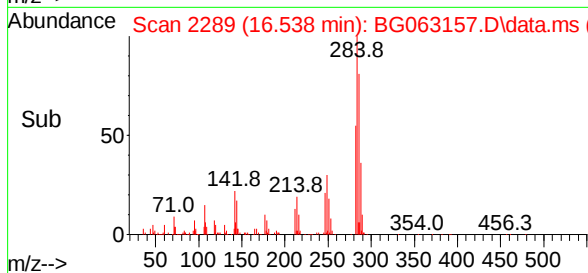
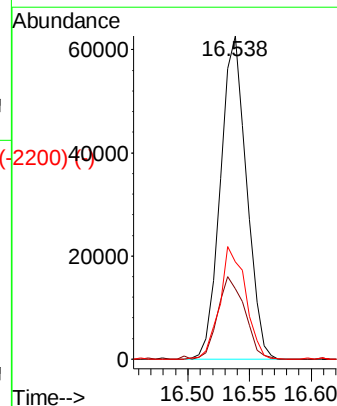
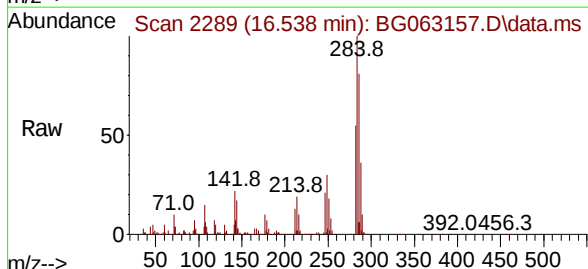


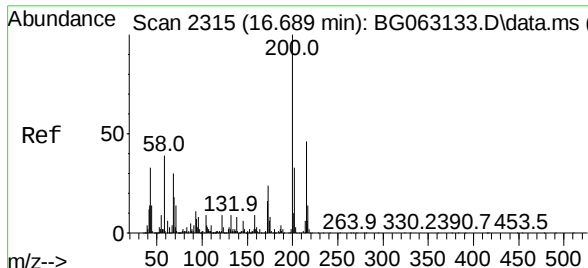
Abundance Scan 2290 (16.542 min): BG063133.D\data.ms (-2269) (-)



Hexachlorobenzene
Concen: 8.200 ng
RT: 16.538 min Scan# 2289
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	284	Resp:	91934
Ion	Ratio	Lower	Upper
284	100		
142	21.8	19.0	28.6
249	32.8	25.8	38.8





Atrazine

Concen: 8.893 ng

RT: 16.685 min Scan# 2315

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

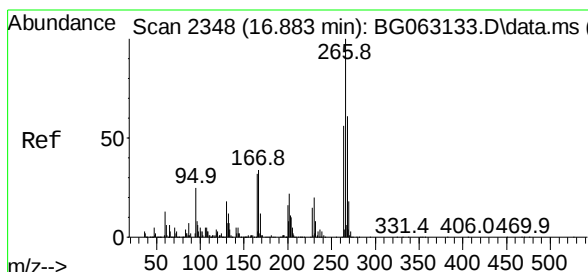
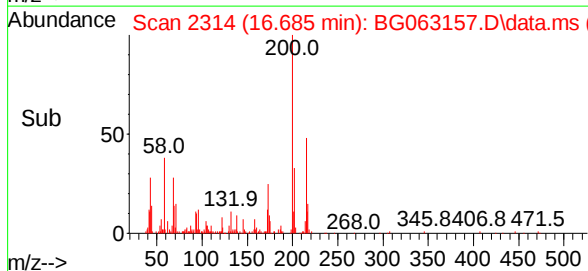
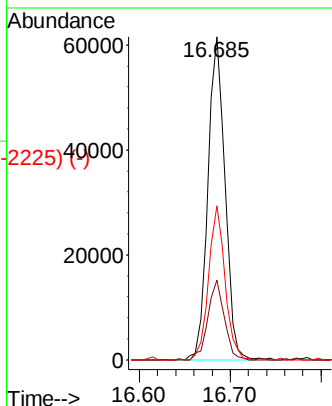
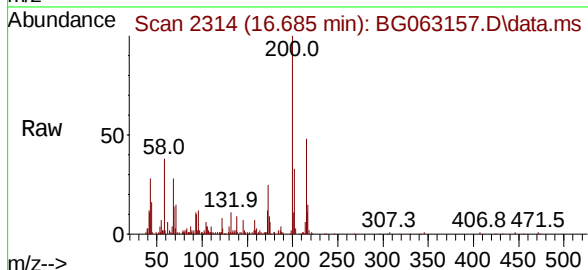
Tgt Ion:200 Resp: 80543

Ion Ratio Lower Upper

200 100

173 24.8 3.6 43.6

215 47.7 25.8 65.8



Pentachlorophenol

Concen: 5.620 ng

RT: 16.885 min Scan# 2348

Delta R.T. 0.002 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

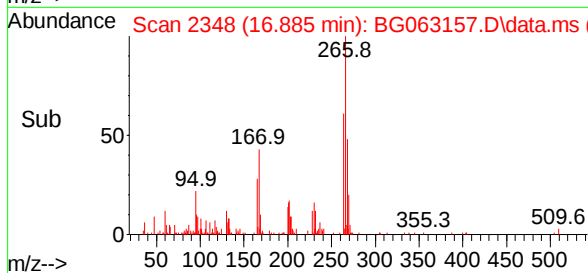
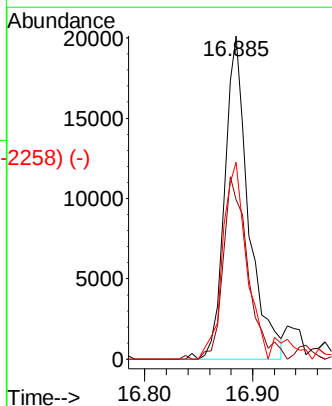
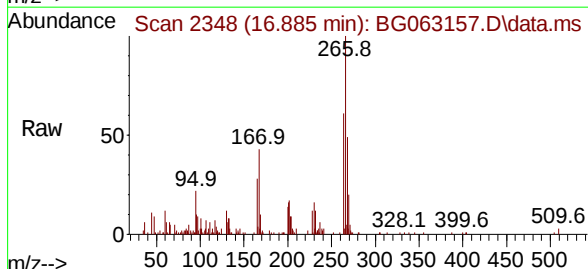
Tgt Ion:266 Resp: 31347

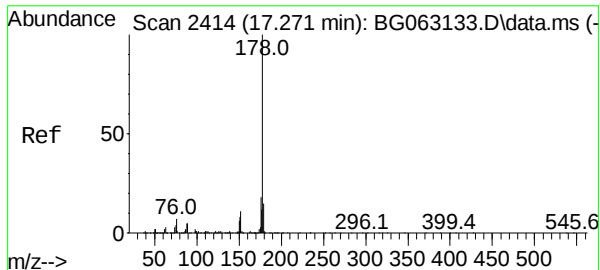
Ion Ratio Lower Upper

266 100

268 49.2 48.8 73.2

264 64.1 45.0 67.4





#73 (-)

Phenanthrene

Concen: 8.873 ng

RT: 17.273 min Scan# 2414

Delta R.T. 0.002 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

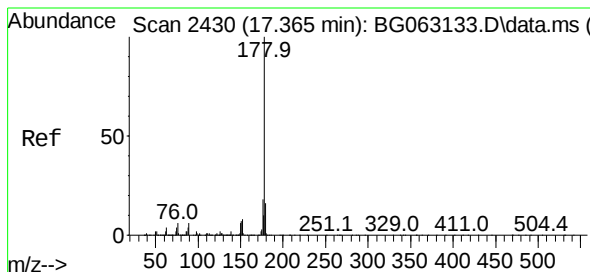
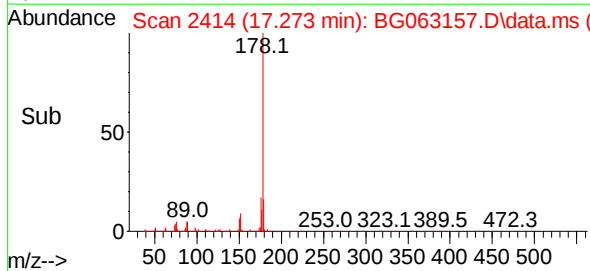
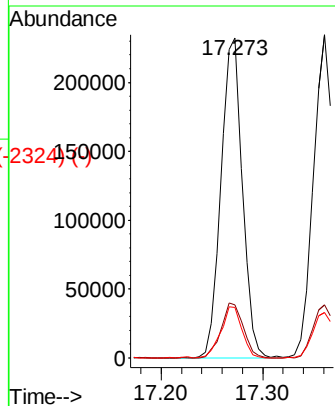
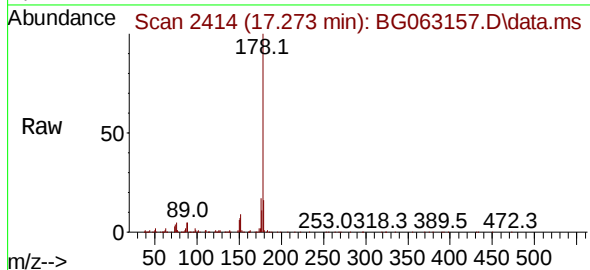
Tgt Ion:178 Resp: 339671

Ion Ratio Lower Upper

178 100

176 16.6 14.6 22.0

179 15.8 12.3 18.5



#73 (-)

Anthracene

Concen: 8.881 ng

RT: 17.361 min Scan# 2429

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

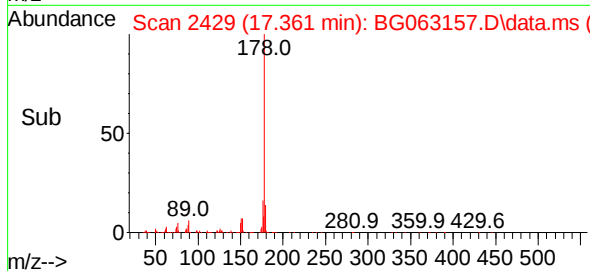
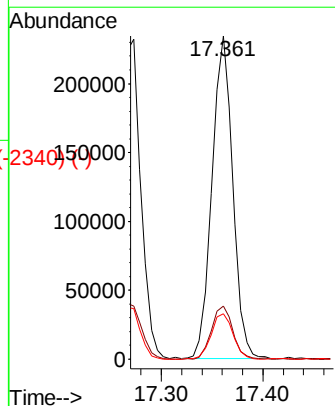
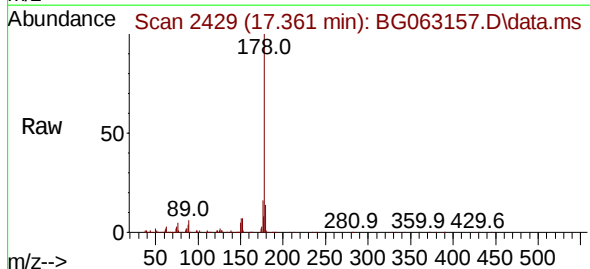
Tgt Ion:178 Resp: 333693

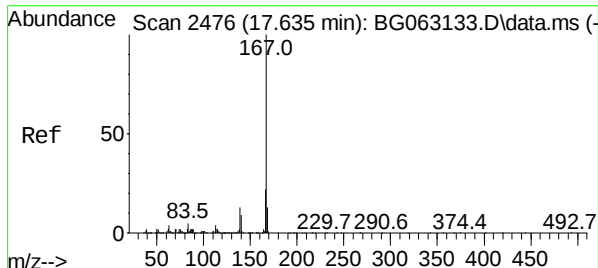
Ion Ratio Lower Upper

178 100

176 16.3 14.6 22.0

179 14.0 12.4 18.6

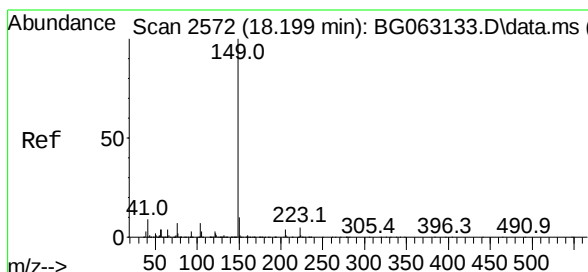
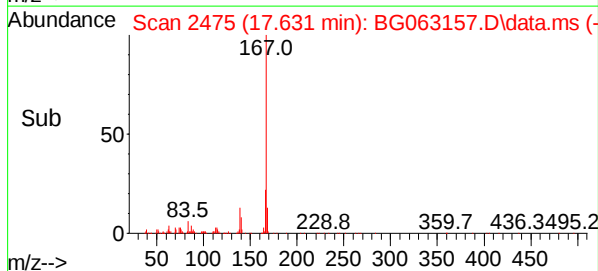
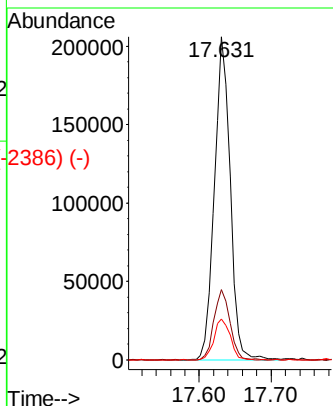
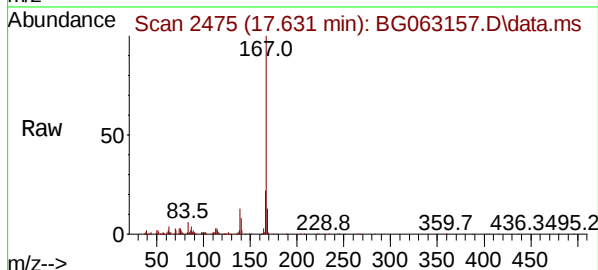




Carbazole
Concen: 8.872 ng
RT: 17.631 min Scan# 2474
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

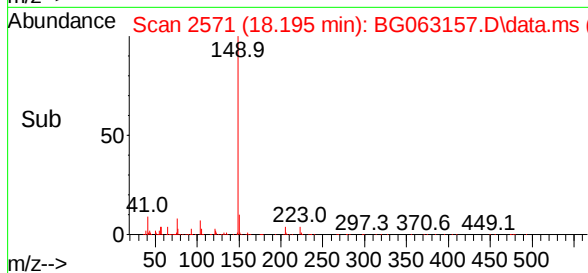
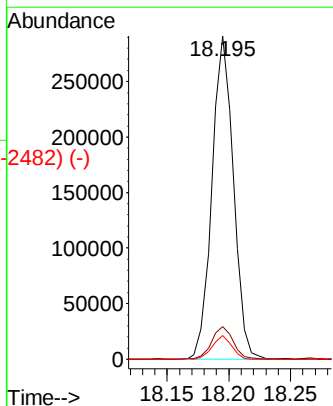
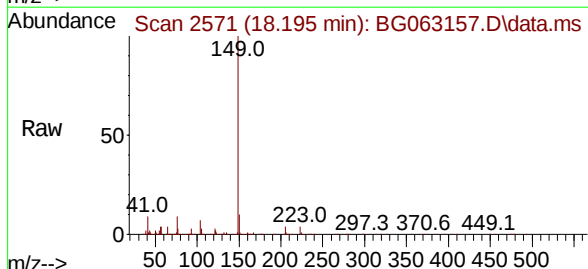
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	167	Resp:	313829
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	12.7	10.3	15.5

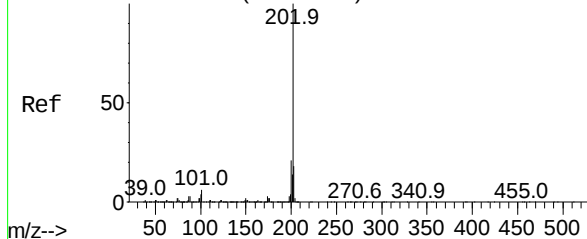


Di-n-butylphthalate
Concen: 8.827 ng
RT: 18.195 min Scan# 2571
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	149	Resp:	354513
Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.8	11.8
104	7.4	5.4	8.0



Abundance Scan 2758 (19.292 min): BG063133.D\data.ms (-275) (-)



Fluoranthene

Concen: 9.079 ng

RT: 19.288 min Scan# 275

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:202 Resp: 491966

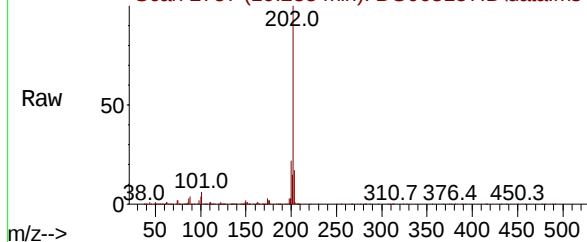
Ion Ratio Lower Upper

202 100

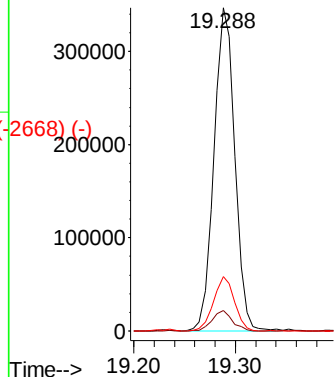
101 6.4 0.0 25.8

203 16.8 0.0 38.1

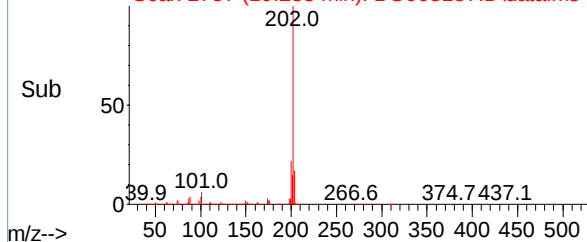
Abundance Scan 2757 (19.288 min): BG063157.D\data.ms



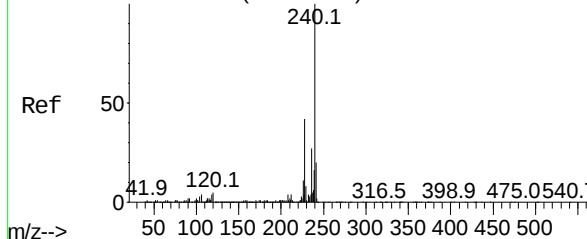
Abundance



Abundance Scan 2757 (19.288 min): BG063157.D\data.ms (-2668) (-)



Abundance Scan 3131 (21.484 min): BG063133.D\data.ms (-3170) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 21.479 min Scan# 3130

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Tgt Ion:240 Resp: 1073711

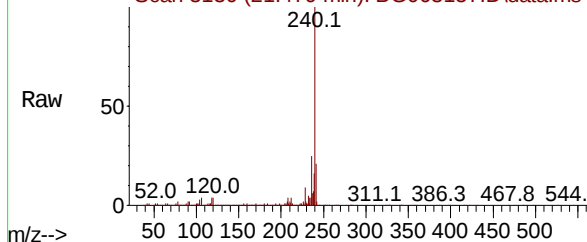
Ion Ratio Lower Upper

240 100

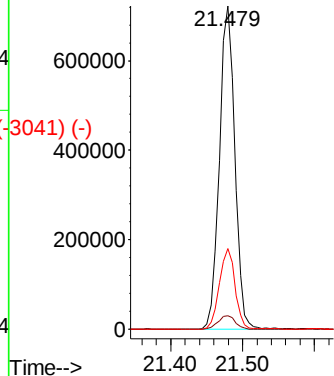
120 4.1 3.9 5.9

236 24.9 21.4 32.2

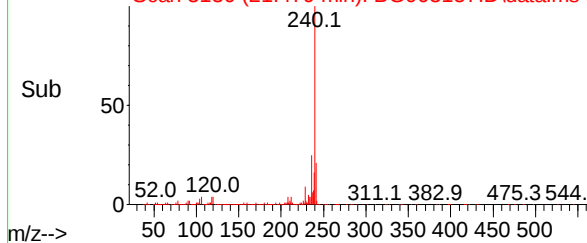
Abundance Scan 3130 (21.479 min): BG063157.D\data.ms

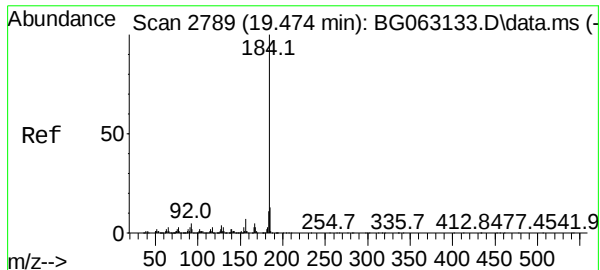


Abundance



Abundance Scan 3130 (21.479 min): BG063157.D\data.ms (-3041) (-)

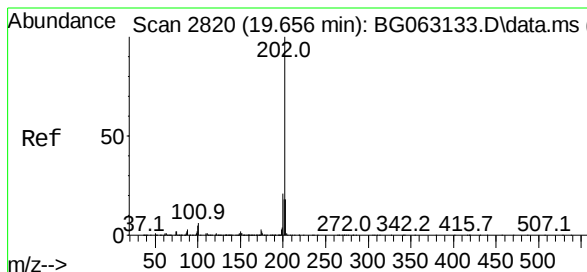
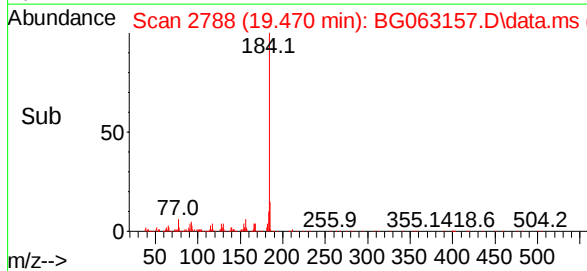
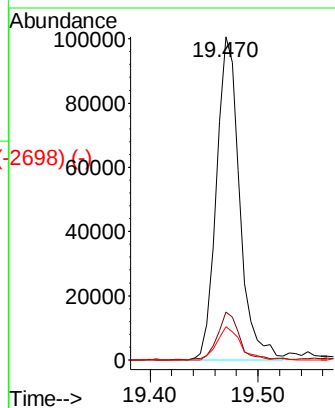
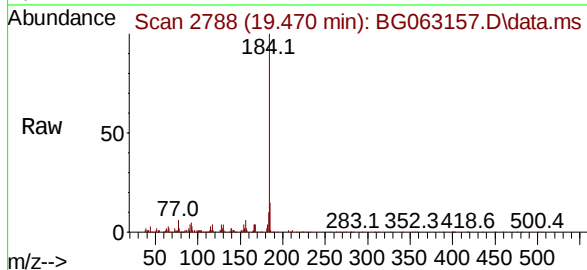




Benzidine
Concen: 9.134 ng
RT: 19.470 min Scan# 2789
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

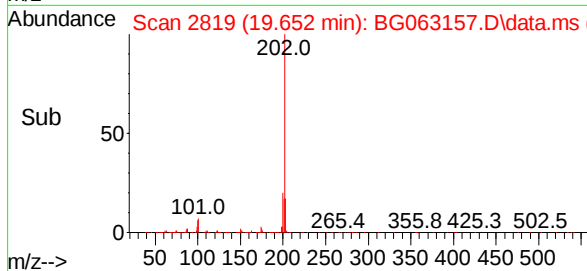
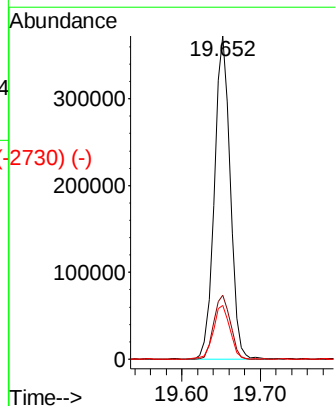
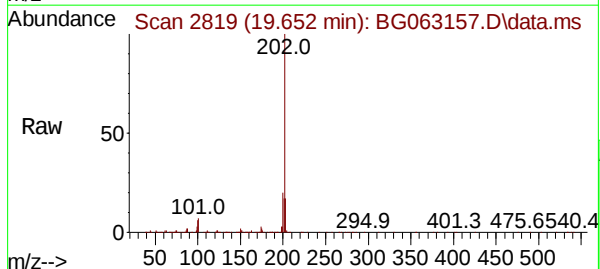
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	184	Resp:	151111
Ion	Ratio	Lower	Upper
184	100		
185	14.9	10.6	16.0
183	10.3	8.6	12.8

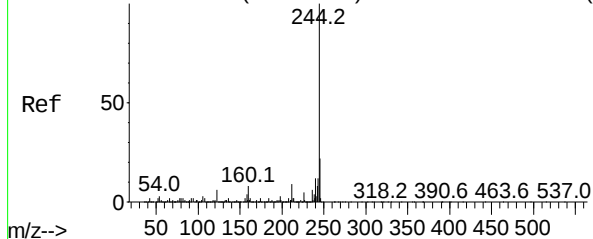


Pyrene
Concen: 8.191 ng
RT: 19.652 min Scan# 2819
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	202	Resp:	521377
Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.7	25.1
203	16.7	14.2	21.2



Abundance Scan 2854 (19.856 min): BG063133.D\data.ms (-2870) (-)



Terphenyl-d14

Concen: 61.421 ng

RT: 19.858 min Scan# 2854

Delta R.T. 0.002 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

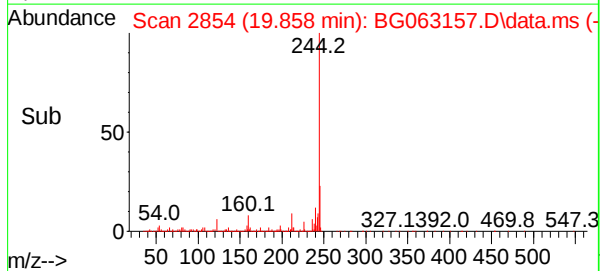
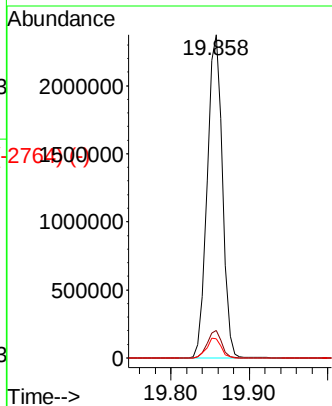
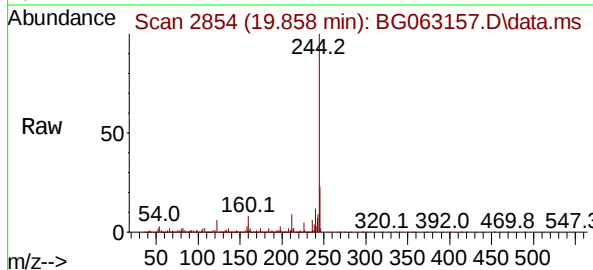
Tgt Ion:244 Resp: 3204720

Ion	Ratio	Lower	Upper
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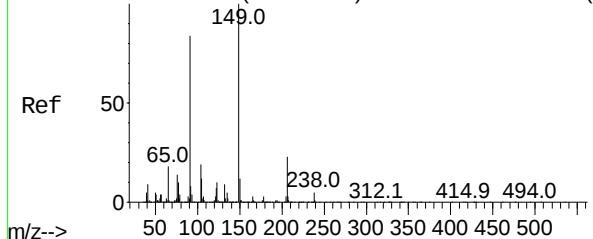
244	100		
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212	8.5	7.3	10.9
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122	6.0	4.8	7.2
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Abundance Scan 2972 (20.550 min): BG063133.D\data.ms (-2882) (-)



Butylbenzylphthalate

Concen: 8.620 ng

RT: 20.551 min Scan# 2972

Delta R.T. 0.002 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

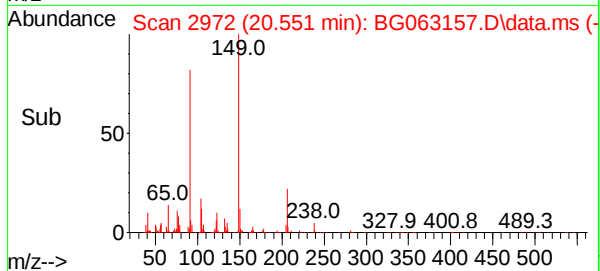
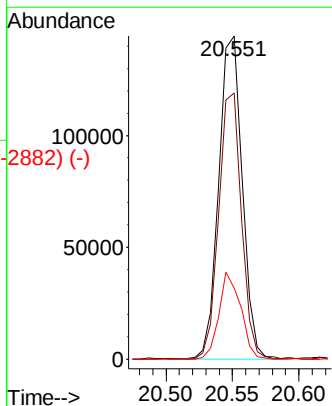
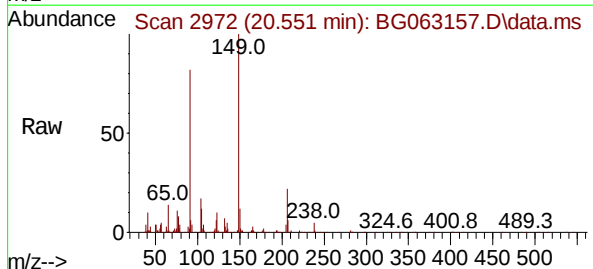
Tgt Ion:149 Resp: 176766

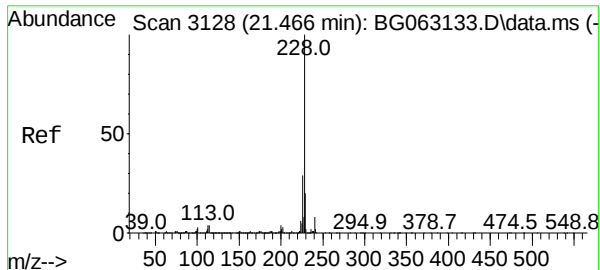
Ion	Ratio	Lower	Upper
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149	100		
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91	82.4	67.3	100.9
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206	22.0	18.8	28.2
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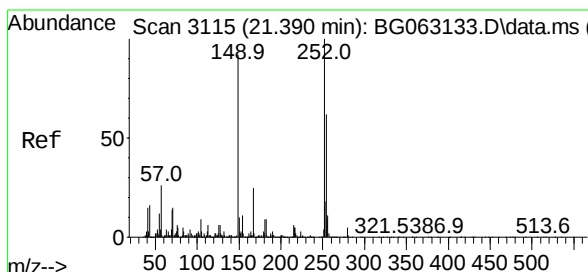
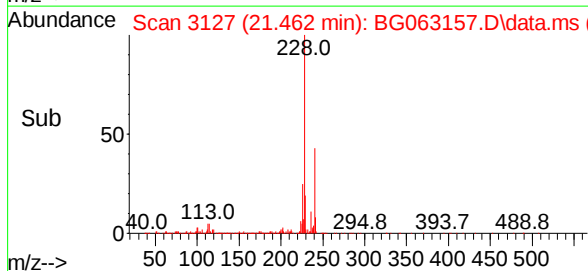
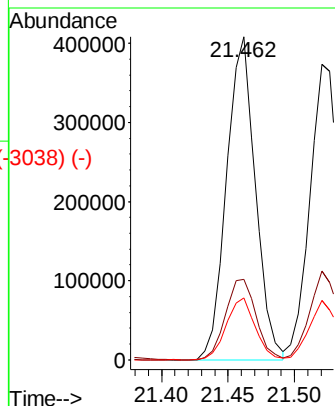
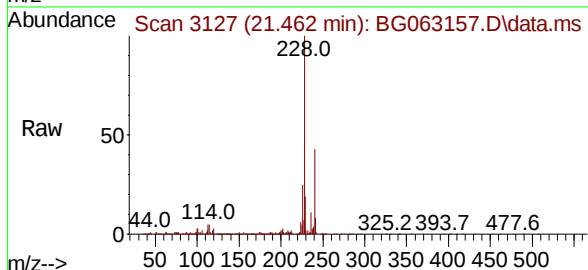




Benzo(a)anthracene
 Concen: 9.109 ng
 RT: 21.462 min Scan# 3128
 Delta R.T. -0.004 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

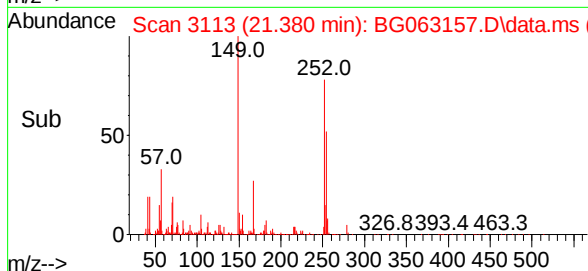
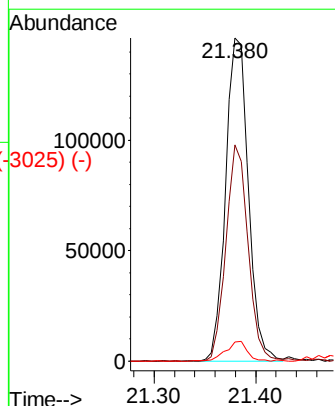
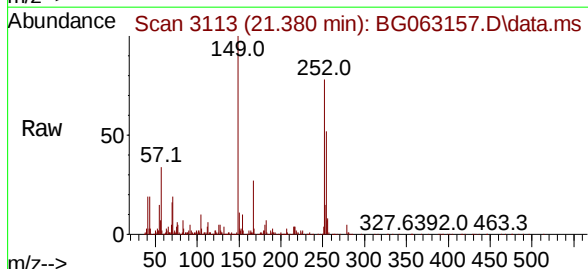
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Tgt Ion:	228	Resp:	615882
Ion	Ratio	Lower	Upper
228	100		
226	25.0	23.5	35.3
229	19.3	16.2	24.2

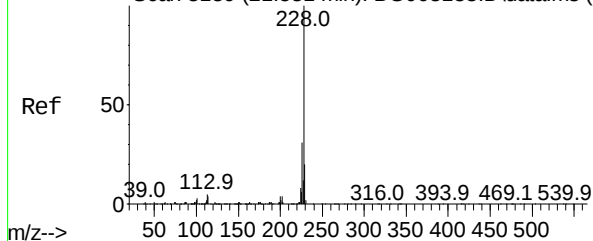


3,3'-Dichlorobenzidine
 Concen: 9.100 ng
 RT: 21.380 min Scan# 3113
 Delta R.T. -0.010 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

Tgt Ion:	252	Resp:	228139
Ion	Ratio	Lower	Upper
252	100		
254	66.9	49.4	74.2
126	5.9	4.8	7.2



Abundance Scan 3139 (21.531 min): BG063133.D\data.ms (-3133) (-)



Chrysene

Concen: 9.079 ng

RT: 21.521 min Scan# 3139

Delta R.T. -0.010 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:228 Resp: 576670

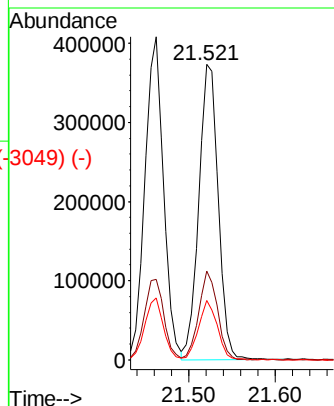
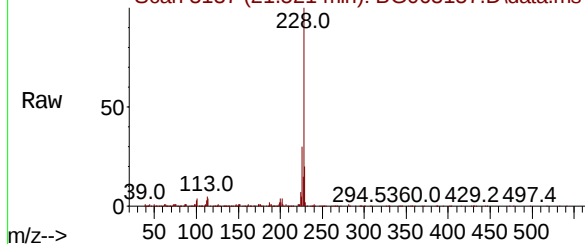
Ion Ratio Lower Upper

228 100

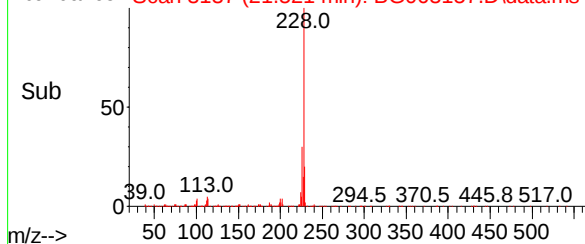
226 30.0 24.8 37.2

229 20.1 15.8 23.8

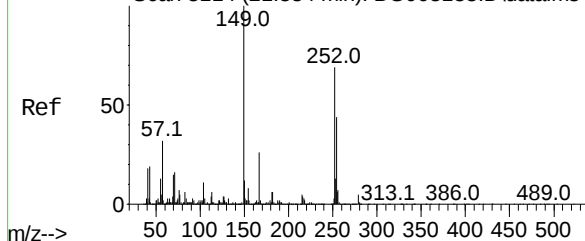
Abundance Scan 3137 (21.521 min): BG063157.D\data.ms



Abundance Scan 3137 (21.521 min): BG063157.D\data.ms (-3049) (-)



Abundance Scan 3114 (21.384 min): BG063133.D\data.ms (-3104) (-)



Bis(2-ethylhexyl)phthalate

Concen: 8.780 ng

RT: 21.380 min Scan# 3113

Delta R.T. -0.004 min

Lab File: BG063157.D

Acq: 4 Nov 2024 16:17

Tgt Ion:149 Resp: 261196

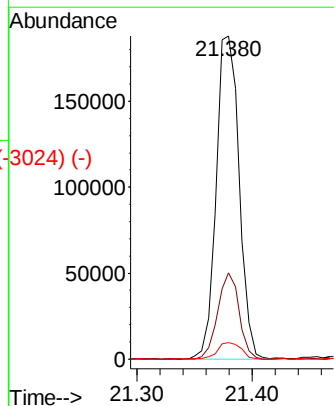
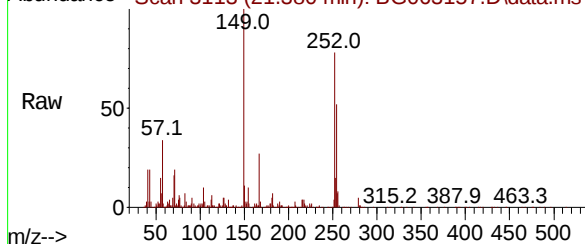
Ion Ratio Lower Upper

149 100

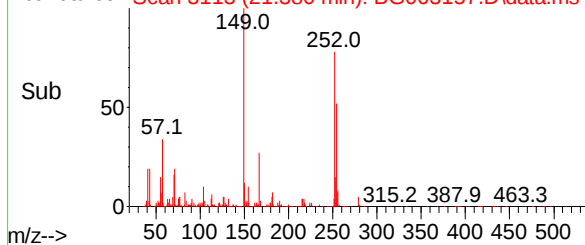
167 26.8 20.6 31.0

279 5.0 4.3 6.5

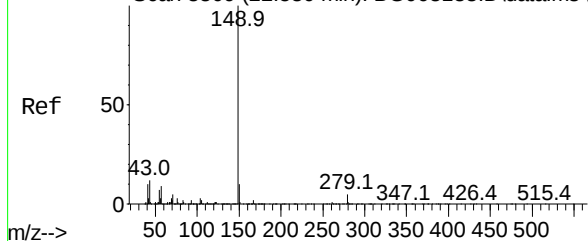
Abundance Scan 3113 (21.380 min): BG063157.D\data.ms



Abundance Scan 3113 (21.380 min): BG063157.D\data.ms (-3024) (-)



Abundance Scan 3309 (22.530 min): BG063133.D\data.ms (-3295) (-)

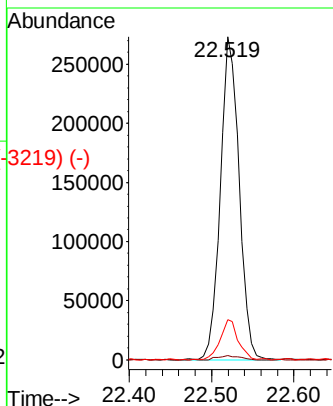
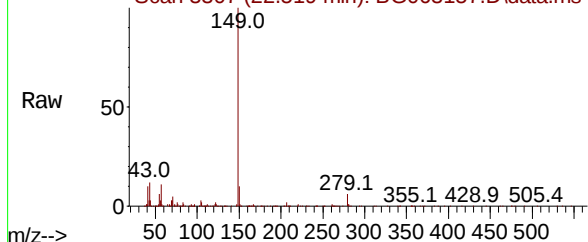


Di-n-octyl phthalate
Concen: 8.733 ng
RT: 22.519 min Scan# 3309
Delta R.T. -0.010 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

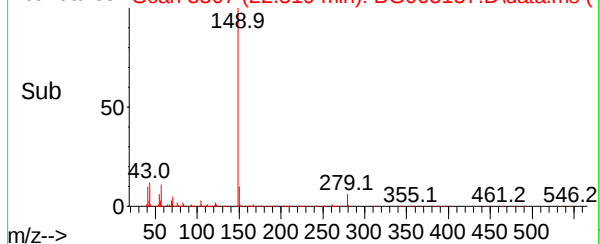
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	149	Resp:	434665
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	12.0	9.8	14.6

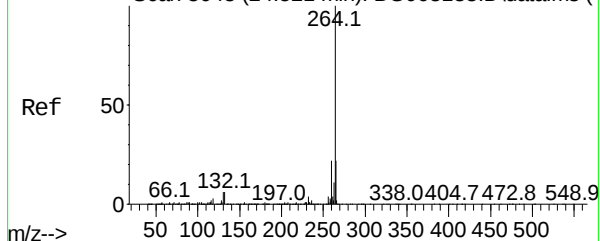
Abundance Scan 3307 (22.519 min): BG063157.D\data.ms



Abundance Scan 3307 (22.519 min): BG063157.D\data.ms (-3219) (-)



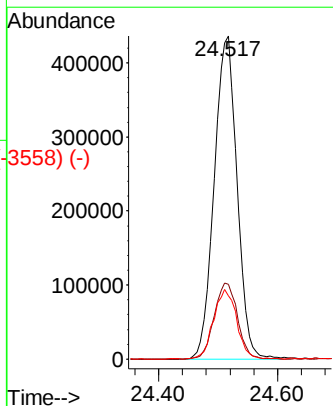
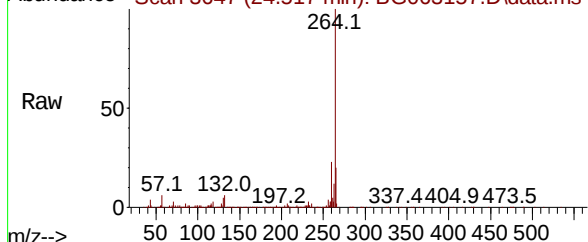
Abundance Scan 3648 (24.521 min): BG063133.D\data.ms (-3638) (-)



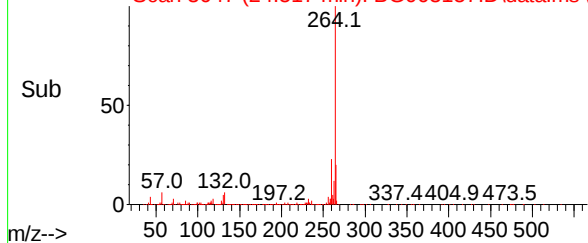
Perylene-d12
Concen: 20.000 ng
RT: 24.517 min Scan# 3647
Delta R.T. -0.004 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	264	Resp:	1157175
Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.2
265	19.7	17.4	26.0

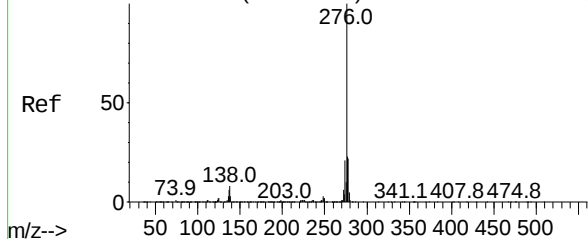
Abundance Scan 3647 (24.517 min): BG063157.D\data.ms



Abundance Scan 3647 (24.517 min): BG063157.D\data.ms (-3558) (-)



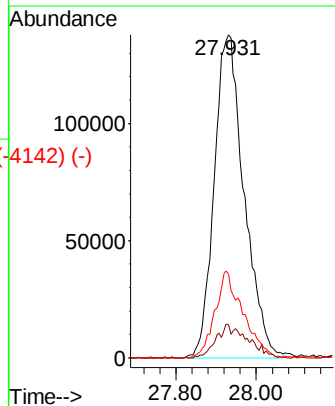
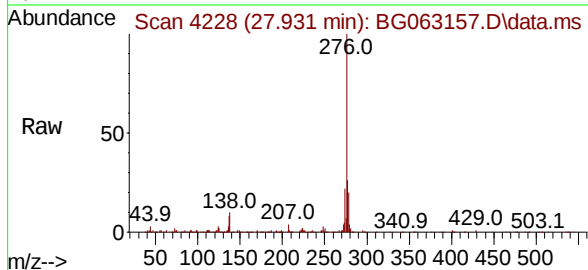
Abundance Scan 4232 (27.953 min): BG063133.D\data.ms (-4205) (-)



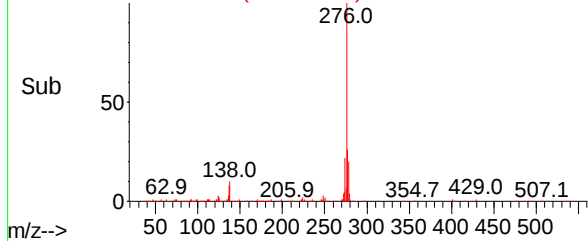
Indeno(1,2,3-cd)pyrene
Concen: 9.166 ng
RT: 27.931 min Scan# 4142
Delta R.T. -0.022 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

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

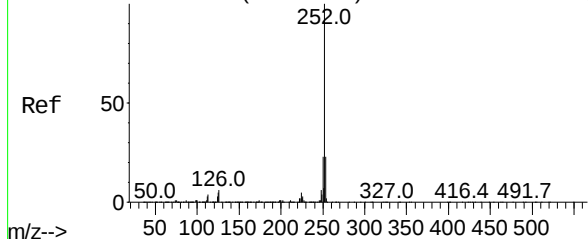
Tgt Ion:	276	Resp:	711919
Ion	Ratio	Lower	Upper
276	100		
138	5.7	8.3	12.5#
277	25.2	19.8	29.8



Abundance Scan 4228 (27.931 min): BG063157.D\data.ms (-4142) (-)

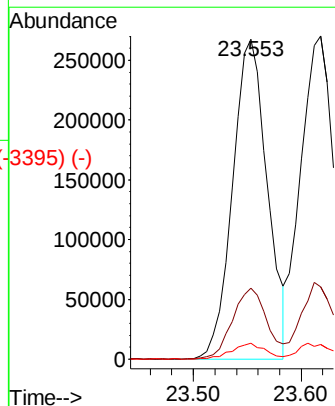
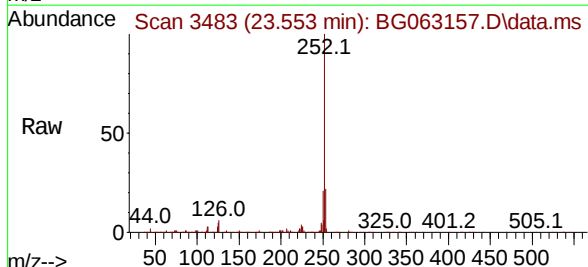


Abundance Scan 3485 (23.564 min): BG063133.D\data.ms (-3485) (-)

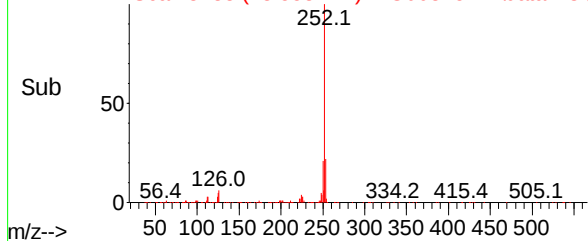


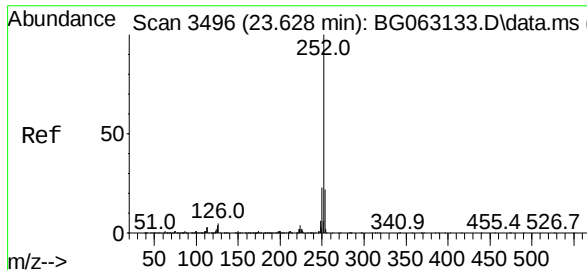
Benzo(b)fluoranthene
Concen: 8.859 ng
RT: 23.553 min Scan# 3483
Delta R.T. -0.010 min
Lab File: BG063157.D
Acq: 4 Nov 2024 16:17

Tgt Ion:	252	Resp:	597652
Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.7	28.1
125	5.1	3.6	5.4



Abundance Scan 3483 (23.553 min): BG063157.D\data.ms (-3395) (-)

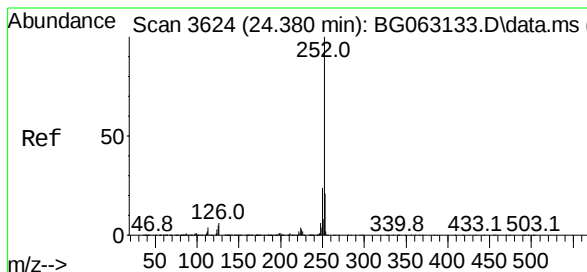
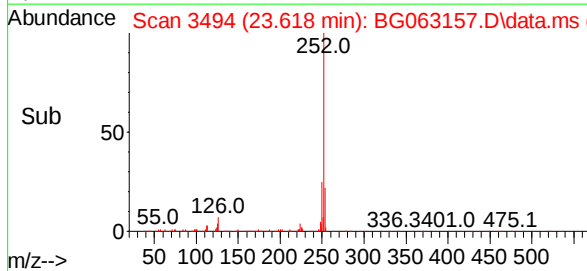
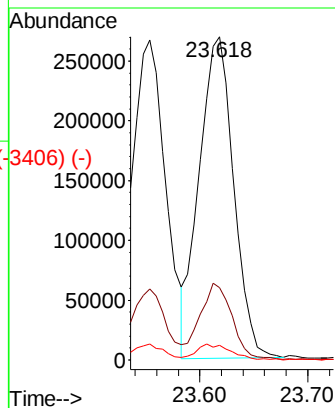
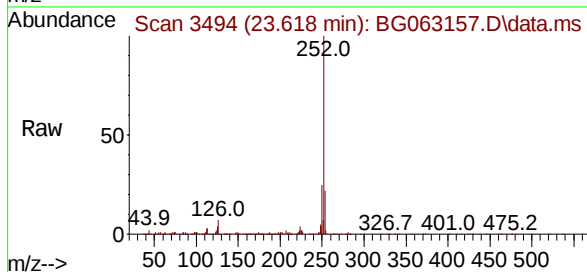




Benzo(k)fluoranthene
 Concen: 9.282 ng
 RT: 23.618 min Scan# 3499
 Delta R.T. -0.010 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

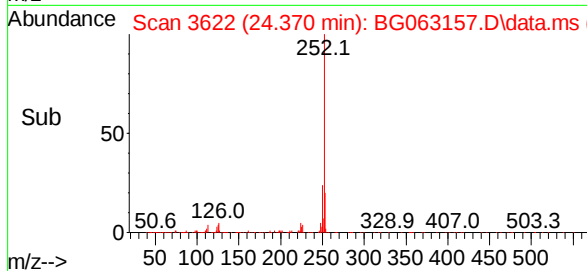
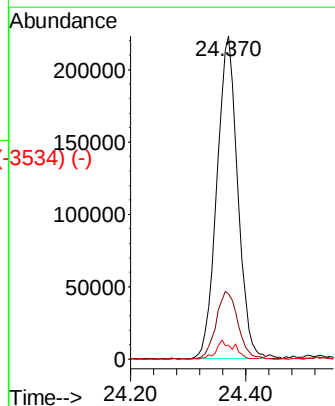
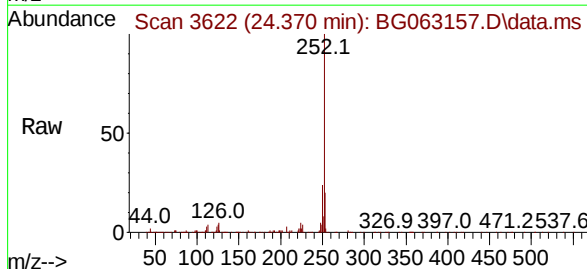
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

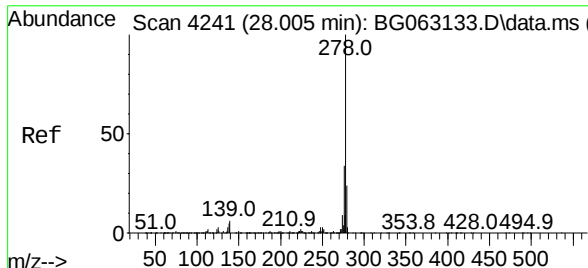
Tgt Ion:	252	Resp:	597430
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	4.5	3.0	4.6



Benzo(a)pyrene
 Concen: 9.521 ng
 RT: 24.370 min Scan# 3622
 Delta R.T. -0.010 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

Tgt Ion:	252	Resp:	560669
Ion	Ratio	Lower	Upper
252	100		
253	20.1	16.9	25.3
125	4.3	3.7	5.5

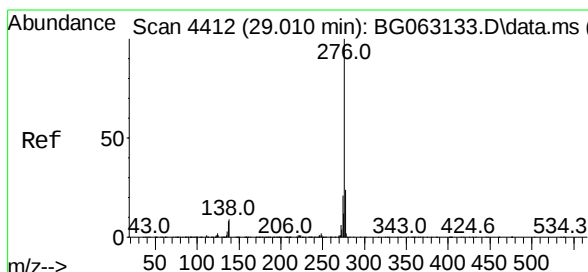
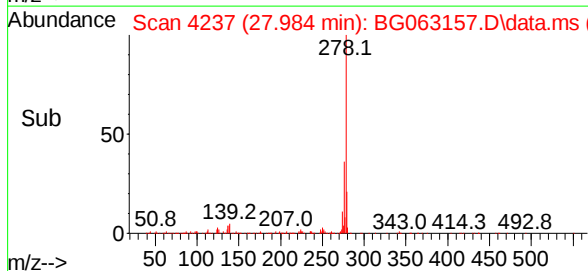
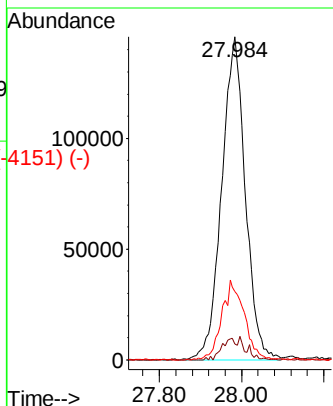
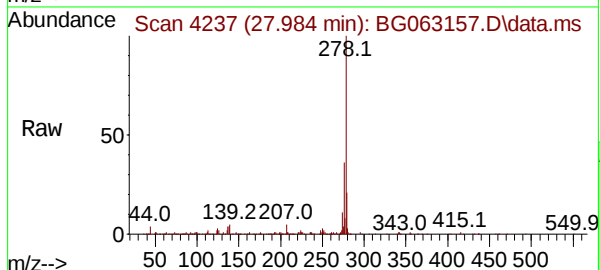




Dibenzo(a,h)anthracene
 Concen: 8.998 ng
 RT: 27.984 min Scan# 4193
 Delta R.T. -0.022 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

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

Tgt Ion:	278	Resp:	583329
Ion	Ratio	Lower	Upper
278	100		
139	4.9	5.0	7.6#
279	21.1	19.2	28.8



Benzo(g,h,i)perylene
 Concen: 8.555 ng
 RT: 28.994 min Scan# 4409
 Delta R.T. -0.016 min
 Lab File: BG063157.D
 Acq: 4 Nov 2024 16:17

Tgt Ion:	276	Resp:	548169
Ion	Ratio	Lower	Upper
276	100		
277	19.5	19.3	28.9
138	9.9	7.0	10.4

