

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020425\
 Data File : BG063990.D
 Acq On : 4 Feb 2025 14:29
 Operator : RC/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Feb 05 02:18:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 04 02:51:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	60795	20.000	ng	0.00
21) Naphthalene-d8	10.660	136	271473	20.000	ng	0.00
39) Acenaphthene-d10	14.497	164	180896	20.000	ng	0.00
64) Phenanthrene-d10	17.235	188	409877	20.000	ng	0.00
76) Chrysene-d12	21.471	240	426990	20.000	ng	0.00
86) Perylene-d12	24.491	264	439415	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.461	112	295928	78.044	ng	0.00
7) Phenol-d6	7.035	99	402593	77.368	ng	0.00
23) Nitrobenzene-d5	9.021	82	256785	57.487	ng	0.00
42) 2,4,6-Tribromophenol	15.978	330	146719	77.241	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	643726	54.522	ng	0.00
79) Terphenyl-d14	19.861	244	1109205	54.253	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.398	88	12425	6.900	ng	93
3) Pyridine	3.786	79	27362	5.627	ng	96
4) n-Nitrosodimethylamine	3.698	42	17739	6.344	ng	# 95
6) Aniline	7.200	93	38857	6.968	ng	97
8) 2-Chlorophenol	7.441	128	27232	7.048	ng	95
9) Benzaldehyde	7.012	77	27294	9.608	ng	99
10) Phenol	7.059	94	36943	6.744	ng	98
11) bis(2-Chloroethyl)ether	7.300	93	30132	6.831	ng	99
12) 1,3-Dichlorobenzene	7.764	146	31637	6.881	ng	97
13) 1,4-Dichlorobenzene	7.911	146	33382	7.189	ng	92
14) 1,2-Dichlorobenzene	8.228	146	29104	6.540	ng	98
15) Benzyl Alcohol	8.104	79	24367	6.265	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.392	45	62078	6.989	ng	98
17) 2-Methylphenol	8.304	107	23085	6.516	ng	96
18) Hexachloroethane	8.951	117	10673	6.984	ng	85
19) n-Nitroso-di-n-propyla...	8.674	70	24671	6.846	ng	92
20) 3+4-Methylphenols	8.627	107	31148	6.600	ng	95
22) Acetophenone	8.686	105	48732	6.533	ng	# 98
24) Nitrobenzene	9.068	77	33151	9.734	ng	96
25) Isophorone	9.585	82	64754	6.687	ng	# 98
26) 2-Nitrophenol	9.773	139	6935	11.537	ng	# 81
27) 2,4-Dimethylphenol	9.832	122	13314	4.780	ng	96
28) bis(2-Chloroethoxy)met...	10.073	93	39318	6.381	ng	98
29) 2,4-Dichlorophenol	10.302	162	21756	9.011	ng	97
30) 1,2,4-Trichlorobenzene	10.525	180	29746	6.500	ng	86
31) Naphthalene	10.713	128	98342	6.757	ng	99
32) Benzoic acid	9.902	122	8594m	11.920	ng	
33) 4-Chloroaniline	10.813	127	36252	6.501	ng	95
34) Hexachlorobutadiene	11.007	225	18269	6.269	ng	96
35) Caprolactam	11.542	113	8021	10.325	ng	# 83
36) 4-Chloro-3-methylphenol	11.929	107	26008	5.833	ng	99
37) 2-Methylnaphthalene	12.323	142	62465	6.159	ng	97
38) 1-Methylnaphthalene	12.540	142	59212	5.900	ng	98
40) 1,2,4,5-Tetrachloroben...	12.681	216	33634	6.305	ng	98
41) Hexachlorocyclopentadiene	12.670	237	9832	7.282	ng	86
43) 2,4,6-Trichlorophenol	12.922	196	15861	9.439	ng	93

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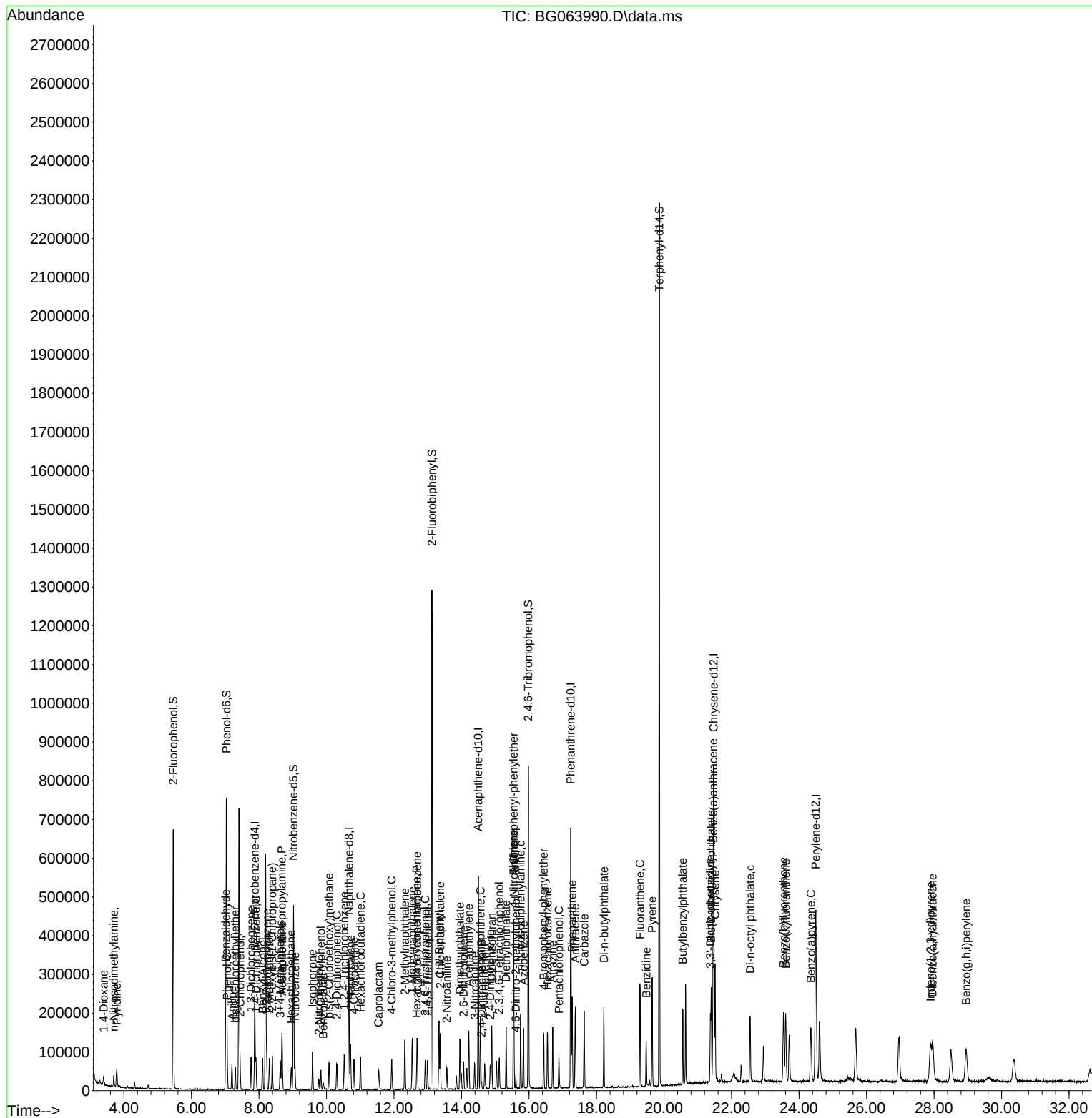
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.993	196	19836	9.102	ng	96
46) 1,1'-Biphenyl	13.334	154	90239	6.552	ng	99
47) 2-Chloronaphthalene	13.369	162	66714	6.646	ng	98
48) 2-Nitroaniline	13.563	65	13966	10.001	ng	88
49) Acenaphthylene	14.215	152	104887	6.727	ng	98
50) Dimethylphthalate	13.951	163	78415	6.538	ng	99
51) 2,6-Dinitrotoluene	14.062	165	11166	9.513	ng	94
52) Acenaphthene	14.562	154	67027	6.408	ng	99
53) 3-Nitroaniline	14.391	138	13055	9.698	ng #	91
54) 2,4-Dinitrophenol	14.591	184	3238	11.456	ng #	88
55) Dibenzofuran	14.897	168	108171	6.369	ng	94
56) 4-Nitrophenol	14.685	139	11783m	12.978	ng	
57) 2,4-Dinitrotoluene	14.850	165	13380	9.591	ng #	88
58) Fluorene	15.543	166	83378	6.352	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.114	232	17319	9.745	ng #	97
60) Diethylphthalate	15.320	149	81787	6.432	ng	97
61) 4-Chlorophenyl-phenyle...	15.543	204	43160	6.553	ng	99
62) 4-Nitroaniline	15.549	138	14027	8.473	ng	95
63) Azobenzene	15.837	77	94284	6.277	ng	97
65) 4,6-Dinitro-2-methylph...	15.607	198	5968	11.799	ng	89
66) n-Nitrosodiphenylamine	15.748	169	72614	6.390	ng	96
67) 4-Bromophenyl-phenylether	16.436	248	25562	6.266	ng	95
68) Hexachlorobenzene	16.548	284	29817	6.217	ng	97
69) Atrazine	16.700	200	25634	6.778	ng	96
70) Pentachlorophenol	16.888	266	14415m	12.790	ng	
71) Phenanthrene	17.276	178	140457	6.525	ng	99
72) Anthracene	17.370	178	133117	6.180	ng	98
73) Carbazole	17.634	167	128166	6.356	ng	97
74) Di-n-butylphthalate	18.216	149	135712	6.456	ng	99
75) Fluoranthene	19.285	202	160334	6.116	ng	97
77) Benzidine	19.474	184	68199	7.501	ng	96
78) Pyrene	19.650	202	176711	6.704	ng	97
80) Butylbenzylphthalate	20.555	149	47313	10.101	ng	93
81) Benzo(a)anthracene	21.454	228	179623	6.626	ng	97
82) 3,3'-Dichlorobenzidine	21.371	252	55360	6.557	ng	100
83) Chrysene	21.512	228	178414	6.613	ng	98
84) Bis(2-ethylhexyl)phtha...	21.395	149	83723	9.612	ng	96
85) Di-n-octyl phthalate	22.552	149	134244	11.695	ng	98
87) Indeno(1,2,3-cd)pyrene	27.899	276	193164	6.814	ng #	94
88) Benzo(b)fluoranthene	23.539	252	163173	6.306	ng	97
89) Benzo(k)fluoranthene	23.604	252	170748	6.427	ng	99
90) Benzo(a)pyrene	24.350	252	148544	6.432	ng #	94
91) Dibenzo(a,h)anthracene	27.952	278	152417	6.367	ng	94
92) Benzo(g,h,i)perylene	28.951	276	149367	6.181	ng	98

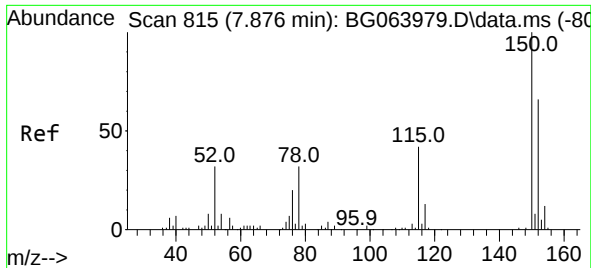
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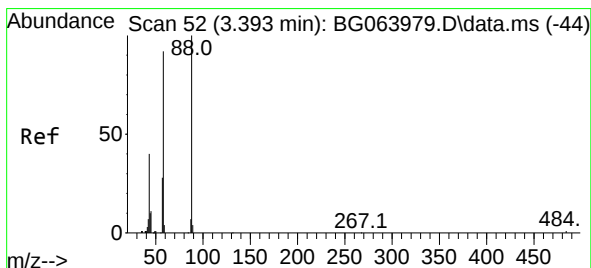
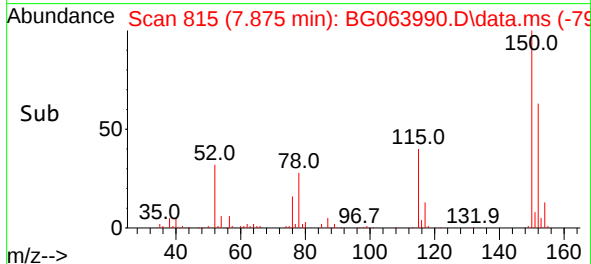
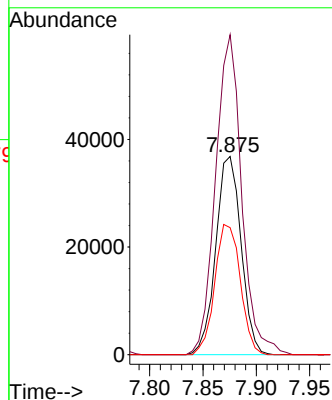
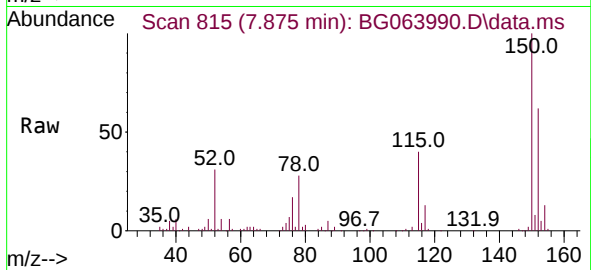




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.875 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG063990.D
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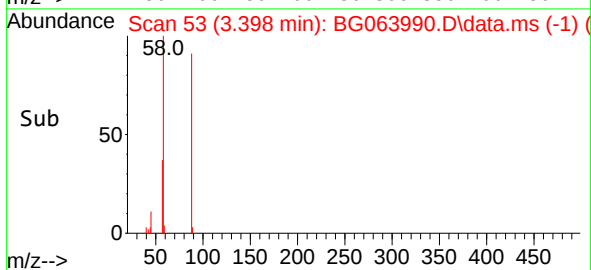
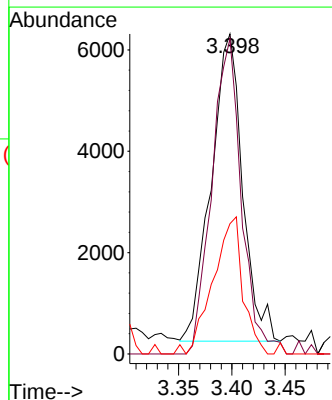
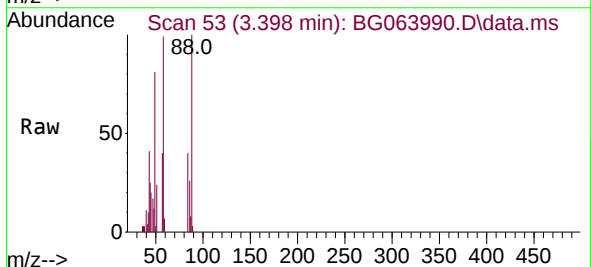
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BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

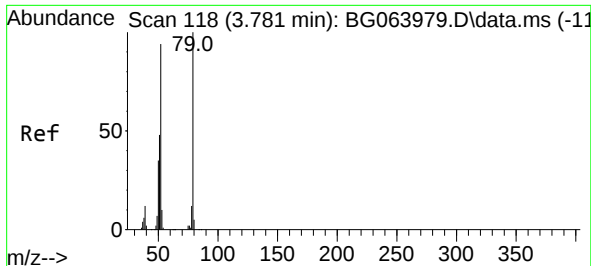
Tgt Ion:152 Resp: 60795
Ion Ratio Lower Upper
152 100
150 161.5 121.0 181.6
115 64.1 50.4 75.6



#2
1,4-Dioxane
Concen: 6.900 ng
RT: 3.398 min Scan# 53
Delta R.T. 0.005 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion: 88 Resp: 12425
Ion Ratio Lower Upper
88 100
58 96.8 71.8 107.8
43 42.3 31.2 46.8

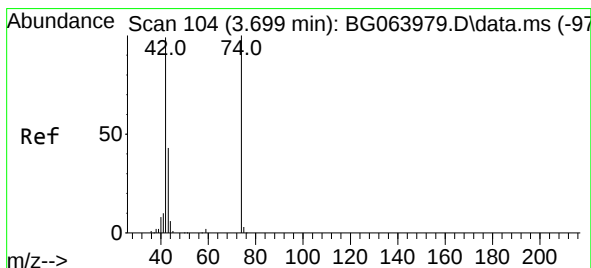
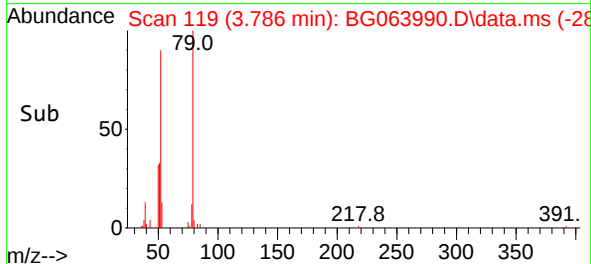
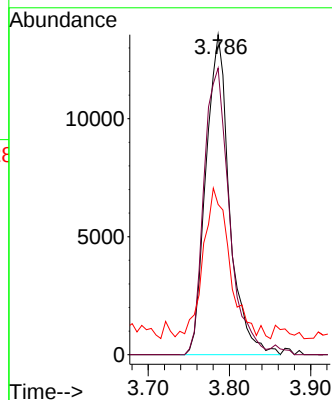
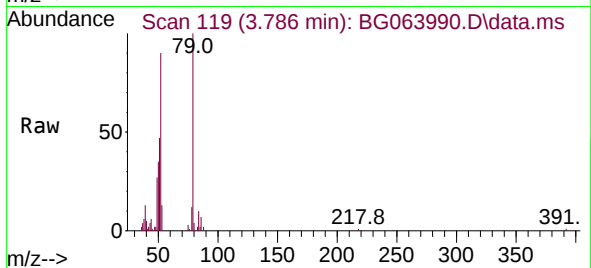




#3
Pyridine
Concen: 5.627 ng
RT: 3.786 min Scan# 118
Delta R.T. 0.005 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

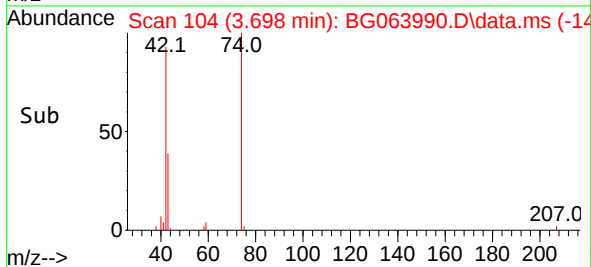
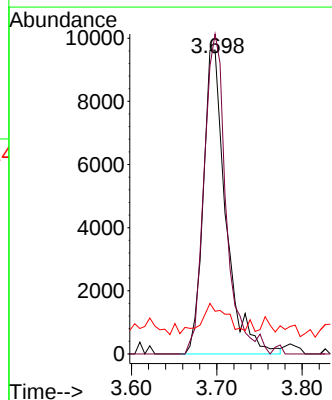
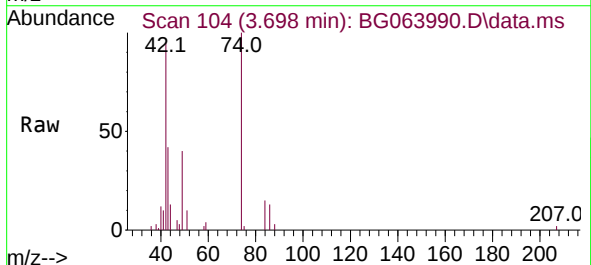
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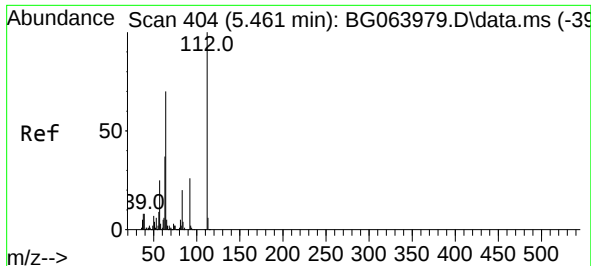
Tgt Ion: 79 Resp: 27362
Ion Ratio Lower Upper
79 100
52 89.6 75.1 112.7
51 46.9 38.9 58.3



#4
n-Nitrosodimethylamine
Concen: 6.344 ng
RT: 3.698 min Scan# 104
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion: 42 Resp: 17739
Ion Ratio Lower Upper
42 100
74 105.3 80.8 121.2
44 14.0 5.8 8.6

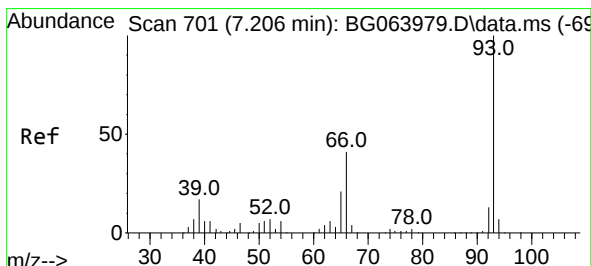
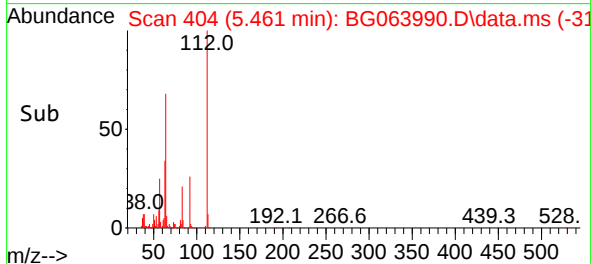
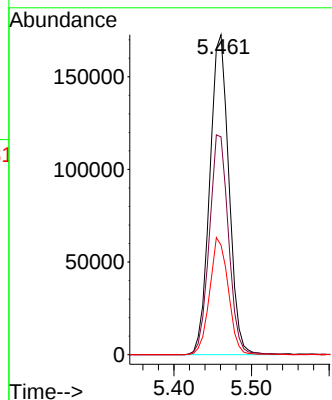
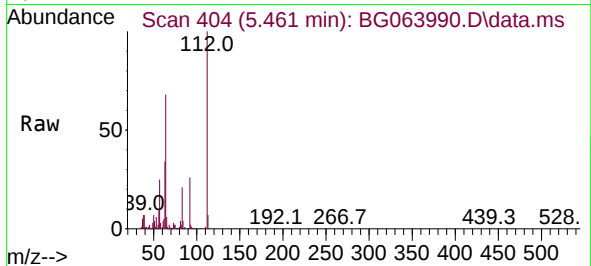




#5
2-Fluorophenol
Concen: 78.044 ng
RT: 5.461 min Scan# 404
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

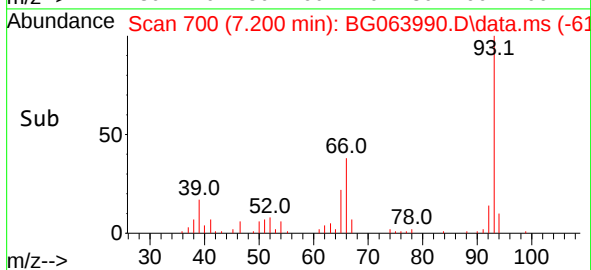
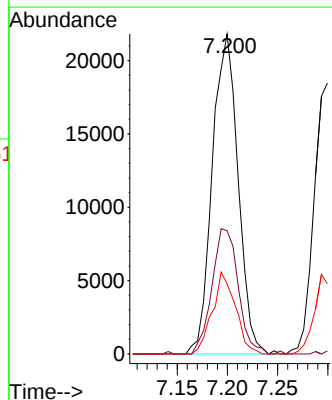
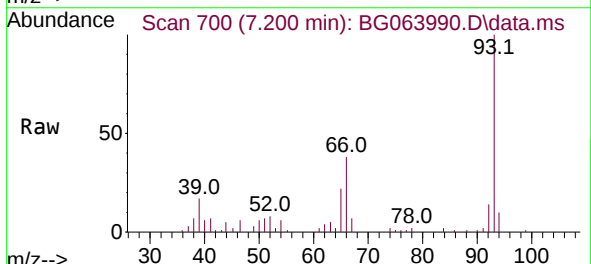
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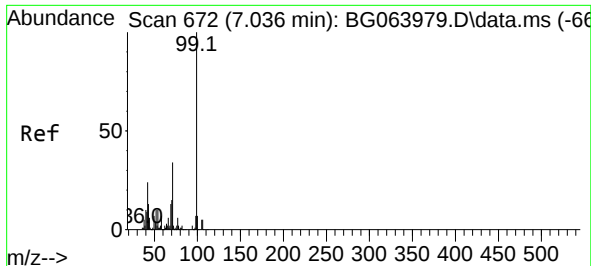
Tgt Ion:112 Resp: 295928
Ion Ratio Lower Upper
112 100
64 68.1 55.8 83.8
63 34.2 29.3 43.9



#6
Aniline
Concen: 6.968 ng
RT: 7.200 min Scan# 700
Delta R.T. -0.007 min
Lab File: BG063990.D
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Tgt Ion: 93 Resp: 38857
Ion Ratio Lower Upper
93 100
66 38.5 32.5 48.7
65 21.9 16.6 25.0

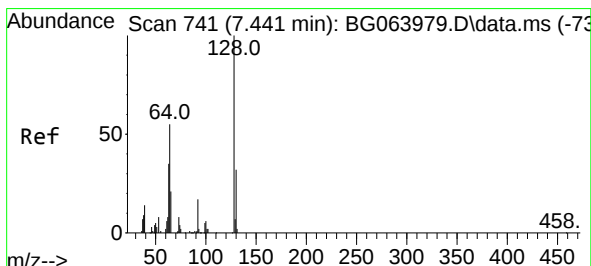
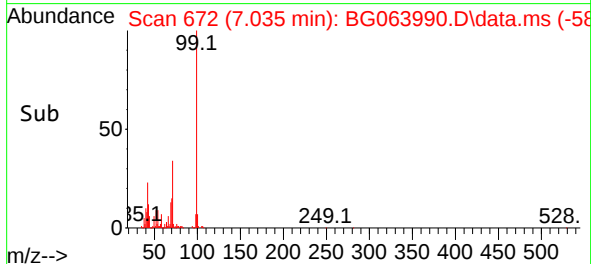
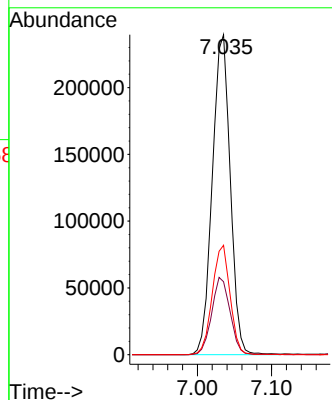
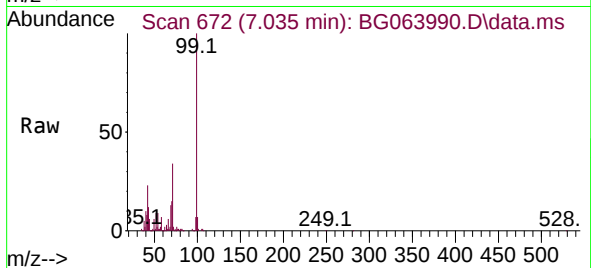




#7
Phenol-d6
Concen: 77.368 ng
RT: 7.035 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

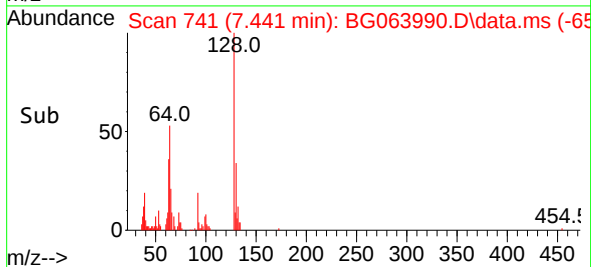
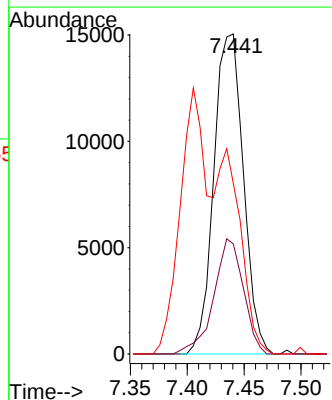
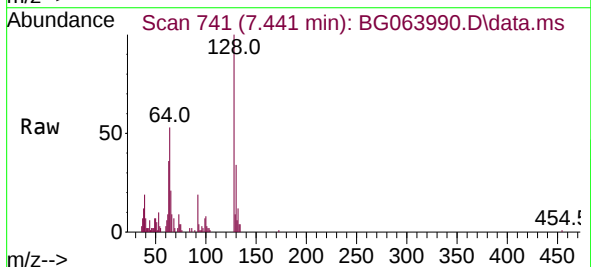
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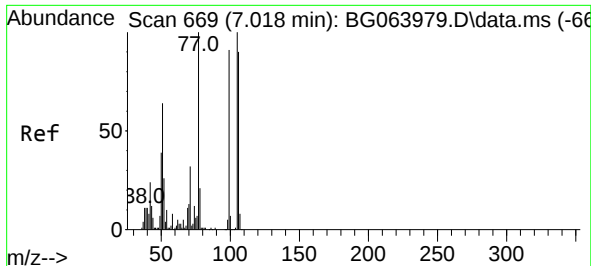
Tgt Ion: 99 Resp: 402593
Ion Ratio Lower Upper
99 100
42 22.8 18.9 28.3
71 34.2 27.0 40.6



#8
2-Chlorophenol
Concen: 7.048 ng
RT: 7.441 min Scan# 741
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:128 Resp: 27232
Ion Ratio Lower Upper
128 100
130 34.4 11.9 51.9
64 53.3 36.8 76.8

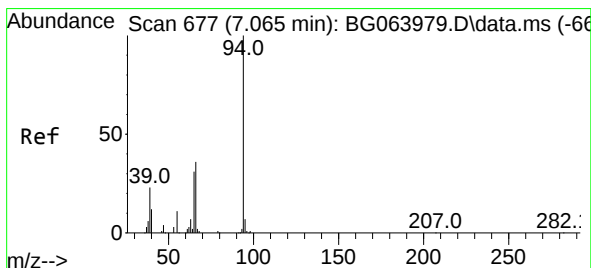
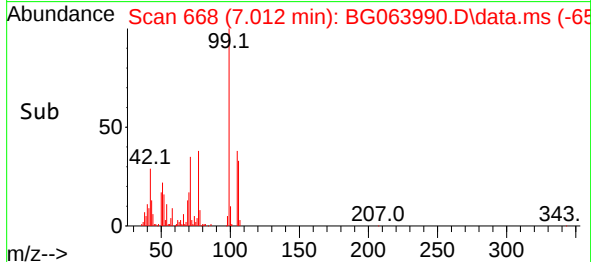
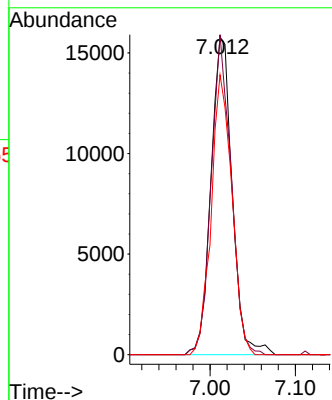
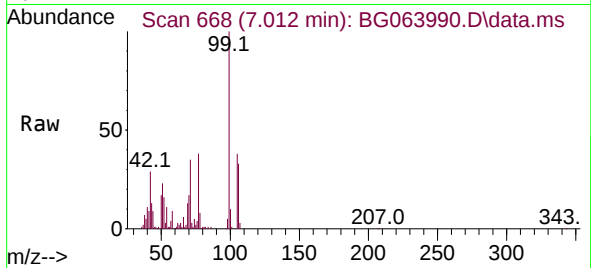




#9
Benzaldehyde
Concen: 9.608 ng
RT: 7.012 min Scan# 60
Delta R.T. -0.007 min
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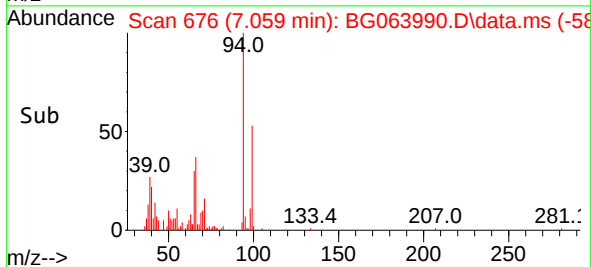
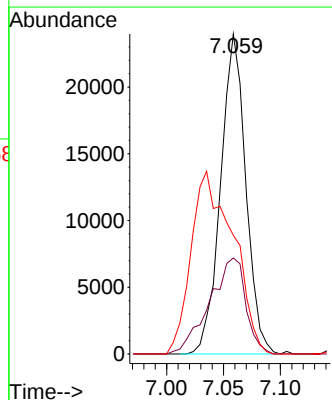
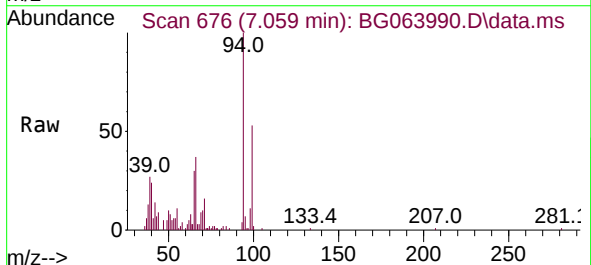
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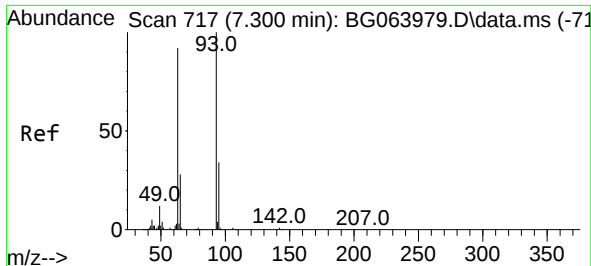
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Ion Ratio Lower Upper
77 100
105 100.7 79.8 119.8
106 88.1 69.9 109.9



#10
Phenol
Concen: 6.744 ng
RT: 7.059 min Scan# 676
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion: 94 Resp: 36943
Ion Ratio Lower Upper
94 100
65 30.0 11.4 51.4
66 37.1 16.7 56.7

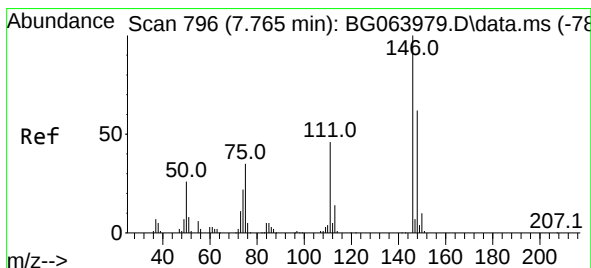
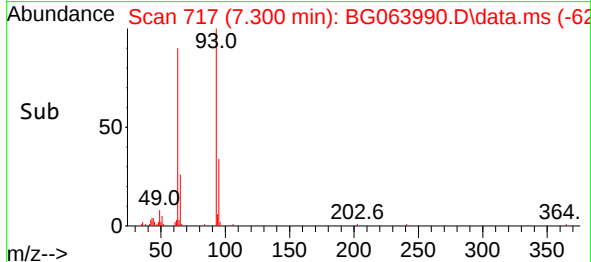
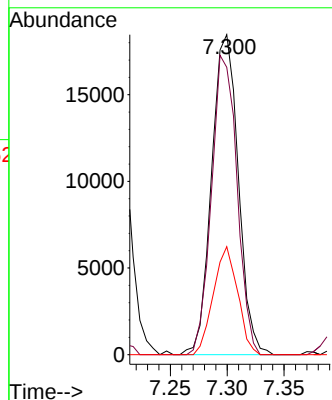
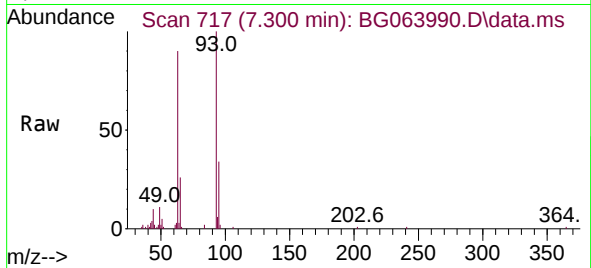




#11
bis(2-Chloroethyl)ether
Concen: 6.831 ng
RT: 7.300 min Scan# 717
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

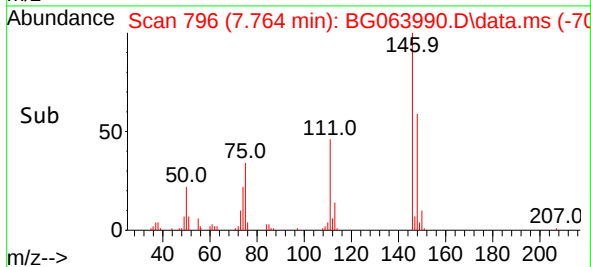
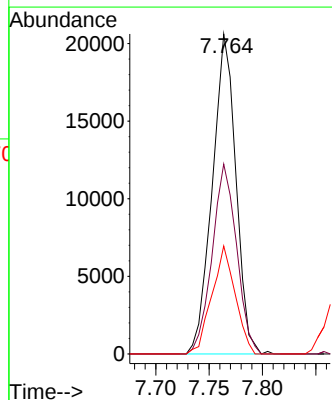
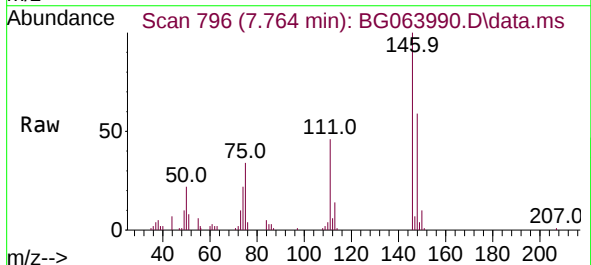
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

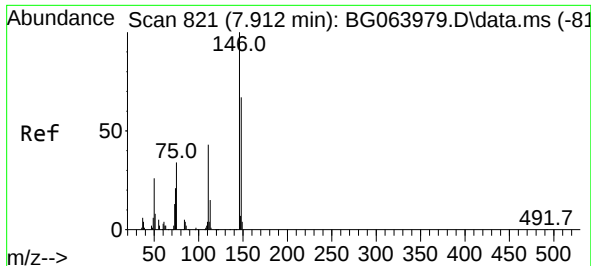
Tgt Ion: 93 Resp: 30132
Ion Ratio Lower Upper
93 100
63 89.8 71.2 111.2
95 33.8 13.9 53.9



#12
1,3-Dichlorobenzene
Concen: 6.881 ng
RT: 7.764 min Scan# 796
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:146 Resp: 31637
Ion Ratio Lower Upper
146 100
148 59.4 49.6 74.4
75 33.7 27.8 41.8

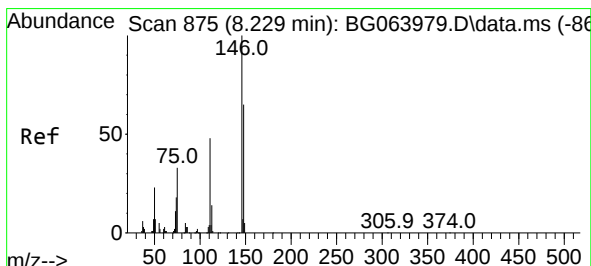
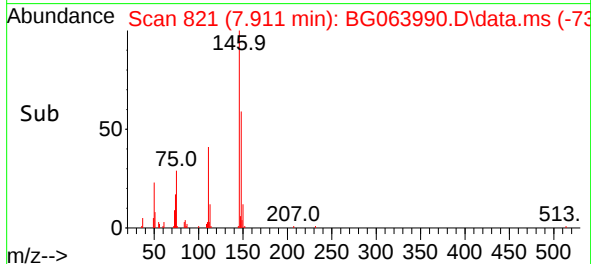
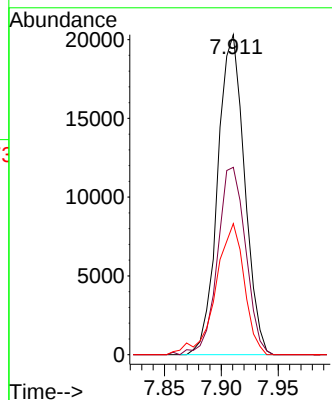
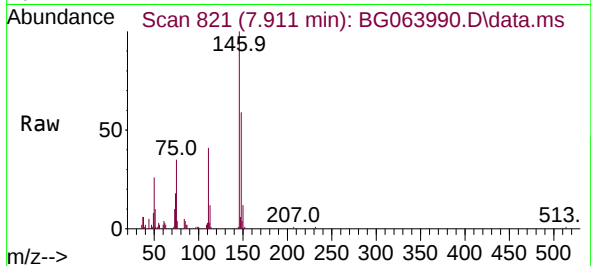




#13
1,4-Dichlorobenzene
Concen: 7.189 ng
RT: 7.911 min Scan# 811
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

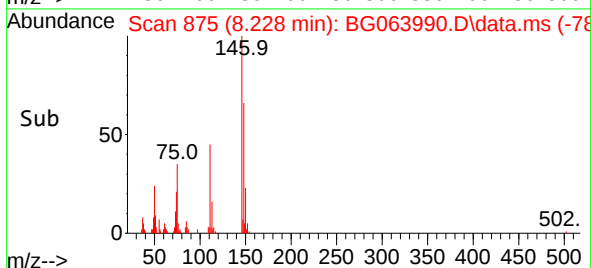
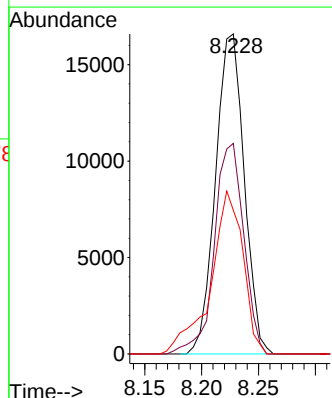
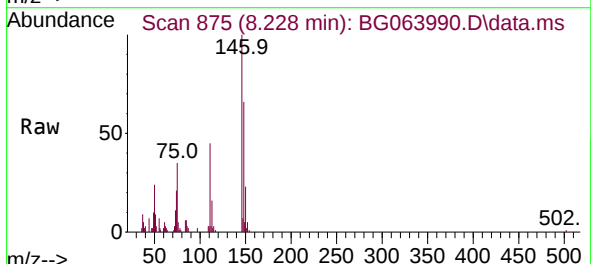
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

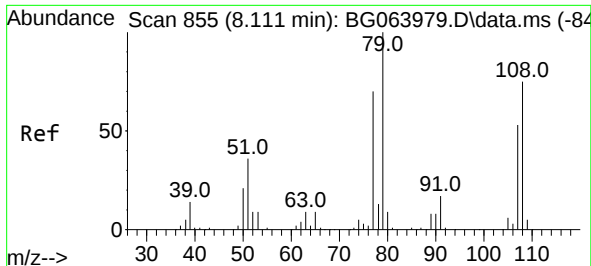
Tgt Ion:146 Resp: 33382
Ion Ratio Lower Upper
146 100
148 58.5 53.3 79.9
111 41.0 34.8 52.2



#14
1,2-Dichlorobenzene
Concen: 6.540 ng
RT: 8.228 min Scan# 875
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:146 Resp: 29104
Ion Ratio Lower Upper
146 100
148 65.8 52.0 78.0
111 44.9 38.2 57.2

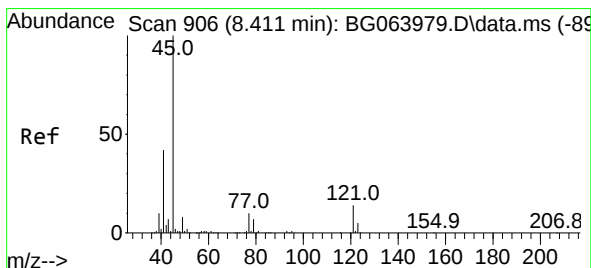
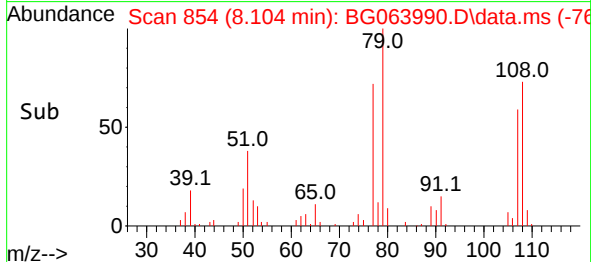
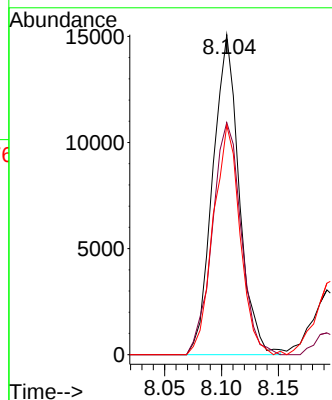
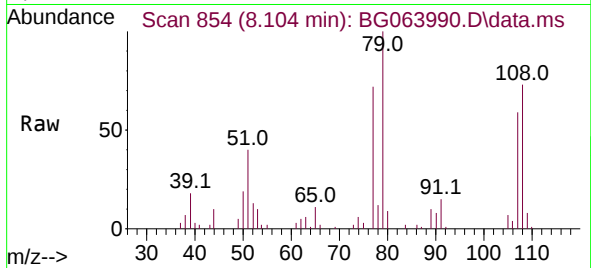




#15
Benzyl Alcohol
Concen: 6.265 ng
RT: 8.104 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

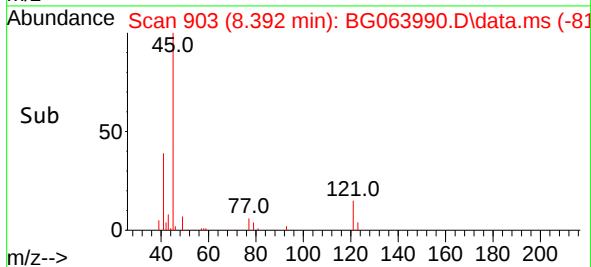
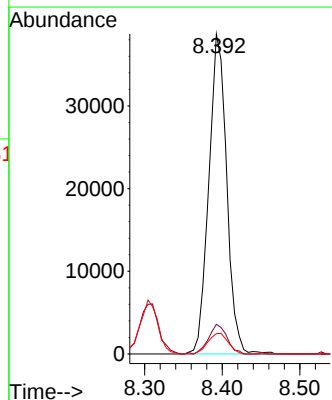
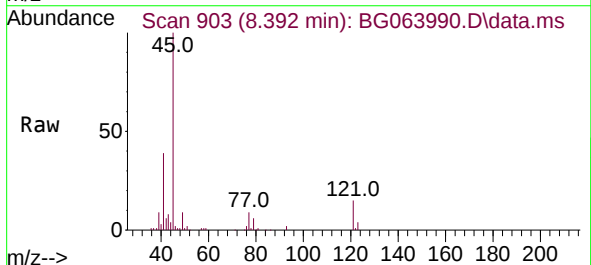
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

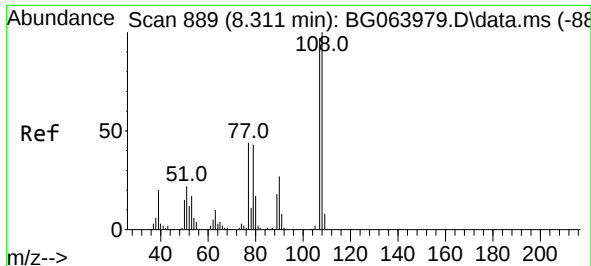
Tgt Ion: 79 Resp: 24367
Ion Ratio Lower Upper
79 100
108 72.5 60.3 90.5
77 71.7 55.8 83.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.989 ng
RT: 8.392 min Scan# 903
Delta R.T. -0.019 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion: 45 Resp: 62078
Ion Ratio Lower Upper
45 100
77 9.3 0.0 29.8
79 6.4 0.0 27.7

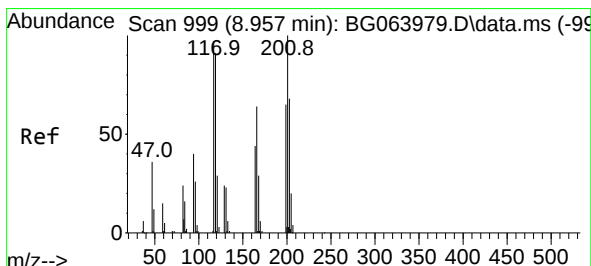
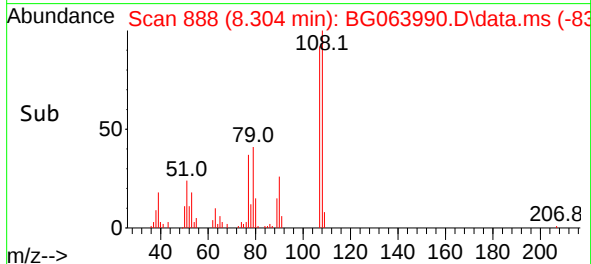
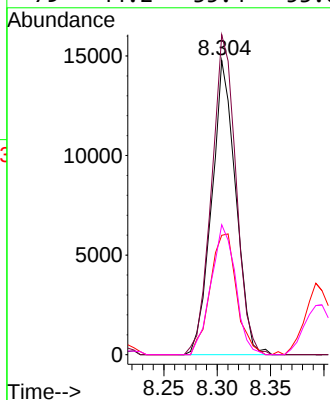
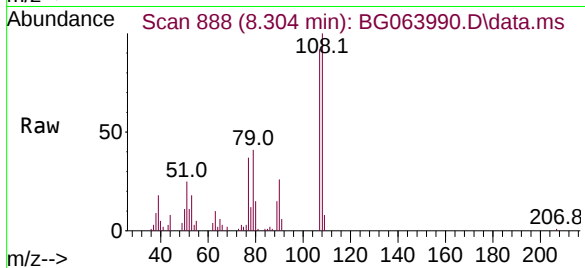




#17
2-Methylphenol
Concen: 6.516 ng
RT: 8.304 min Scan# 889
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

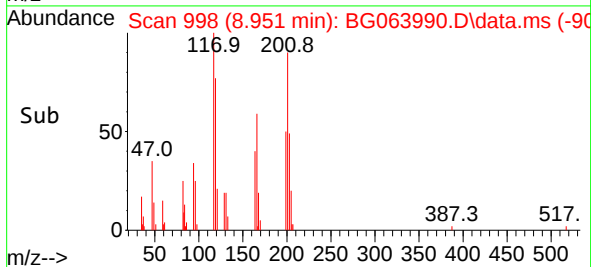
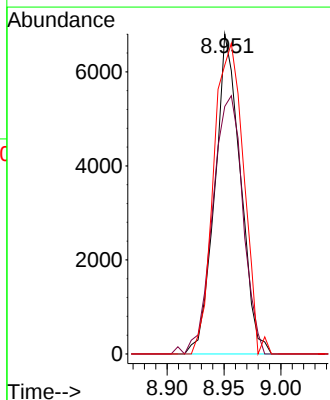
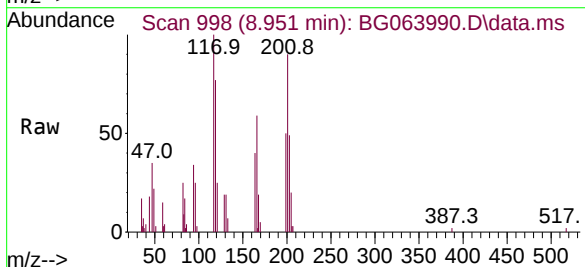
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

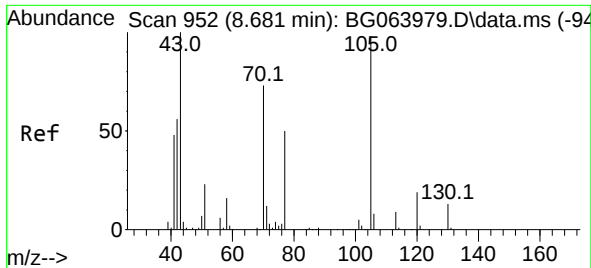
Tgt Ion:	107	Resp:	23085
Ion	Ratio	Lower	Upper
107	100		
108	108.7	82.9	124.3
77	40.5	36.4	54.6
79	44.2	35.4	53.0



#18
Hexachloroethane
Concen: 6.984 ng
RT: 8.951 min Scan# 998
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

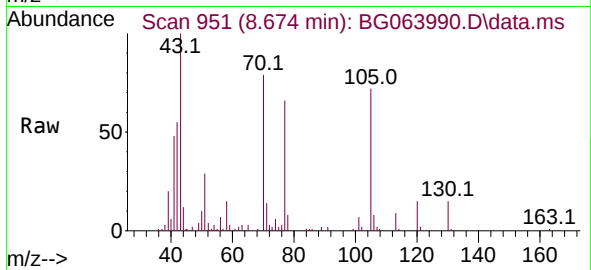
Tgt Ion:	117	Resp:	10673
Ion	Ratio	Lower	Upper
117	100		
119	77.4	75.4	113.0
201	90.2	82.4	123.6



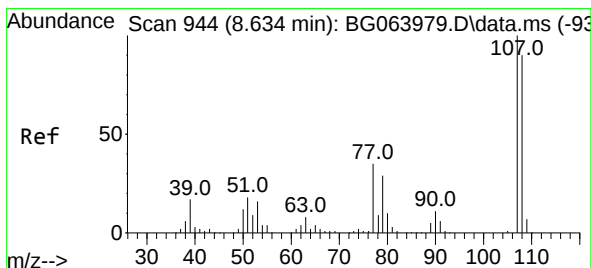
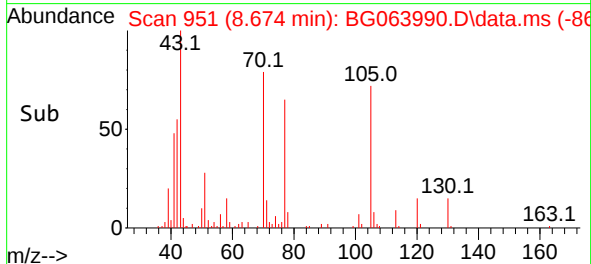
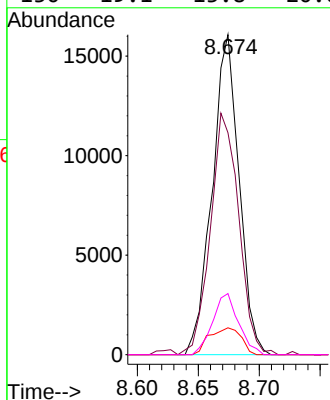


#19
n-Nitroso-di-n-propylamine
Concen: 6.846 ng
RT: 8.674 min Scan# 91
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

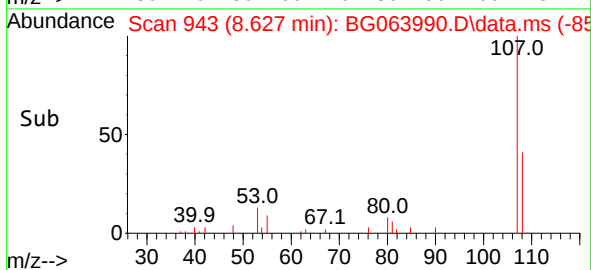
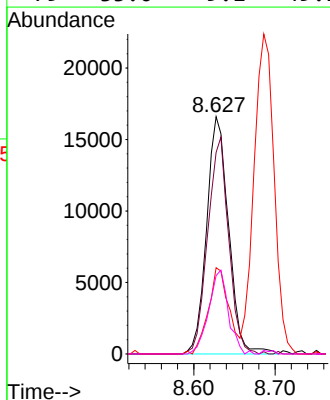
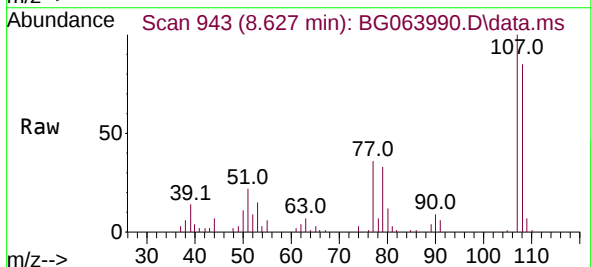


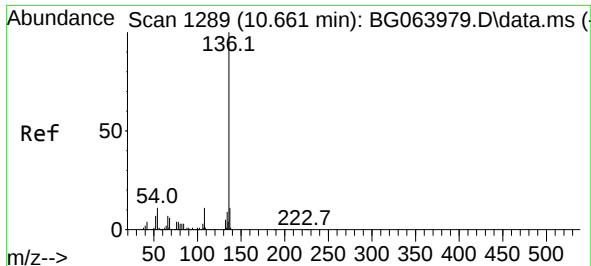
Tgt Ion:	70	Resp:	24671
Ion	Ratio	Lower	Upper
70	100		
42	69.3	62.2	93.4
101	8.4	5.6	8.4
130	19.1	13.8	20.6



#20
3+4-Methylphenols
Concen: 6.600 ng
RT: 8.627 min Scan# 943
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:	107	Resp:	31148
Ion	Ratio	Lower	Upper
107	100		
108	85.0	70.0	110.0
77	36.3	15.2	55.2
79	33.0	9.1	49.1

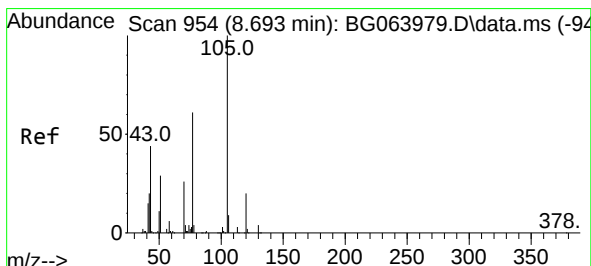
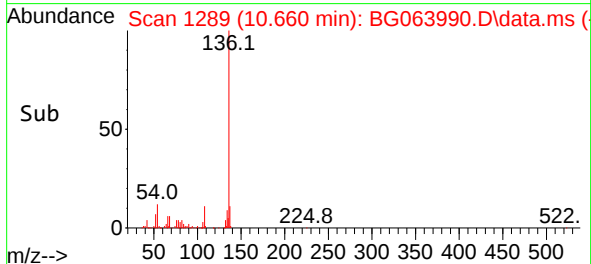
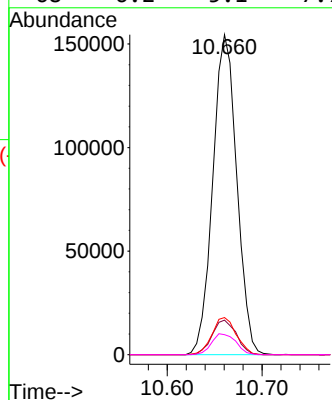
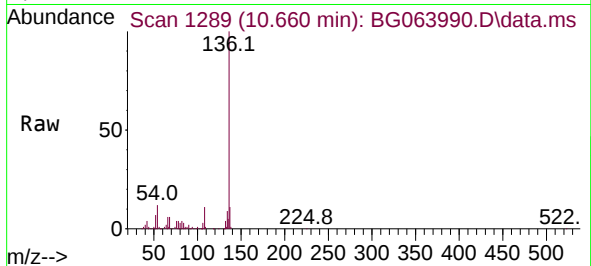




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.660 min Scan# 1289
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

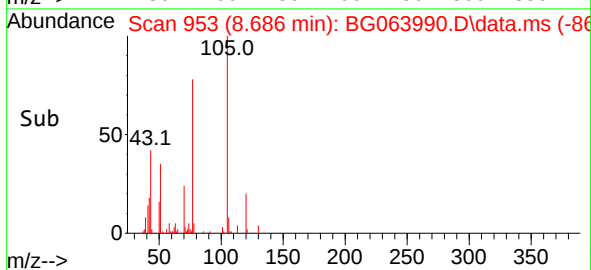
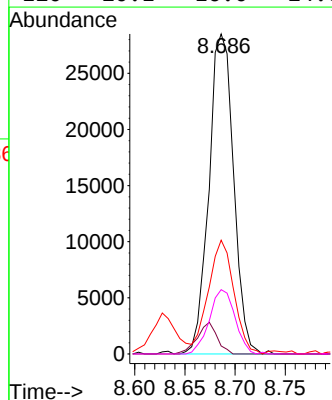
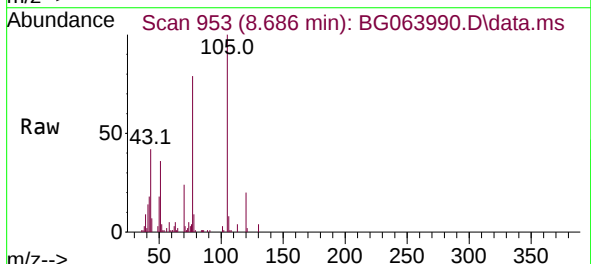
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

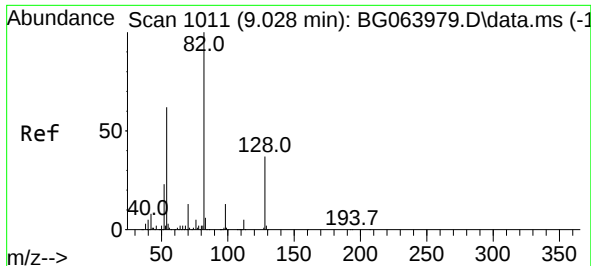
Tgt Ion:	136	Resp:	271473
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	11.6	9.2	13.8
68	6.2	5.1	7.7



#22
Acetophenone
Concen: 6.533 ng
RT: 8.686 min Scan# 953
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:	105	Resp:	48732
Ion Ratio	Lower	Upper	
105	100		
71	2.5	3.1	4.7#
51	35.6	29.9	44.9
120	20.1	16.0	24.0





#23

Nitrobenzene-d5

Concen: 57.487 ng

RT: 9.021 min Scan# 1010

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

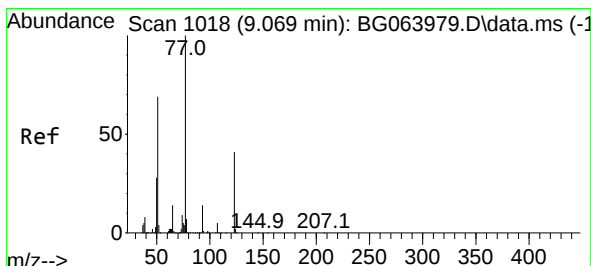
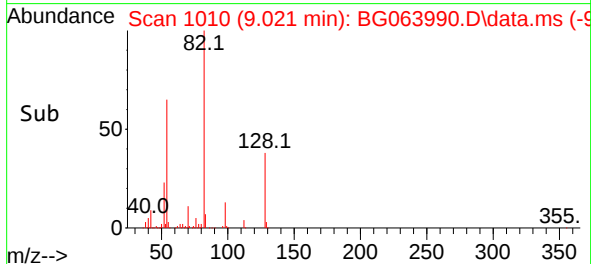
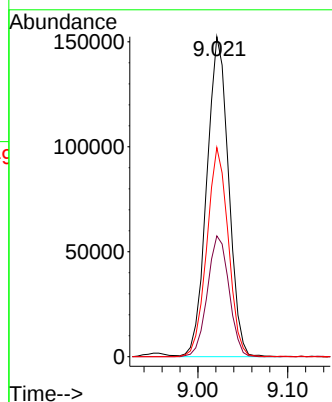
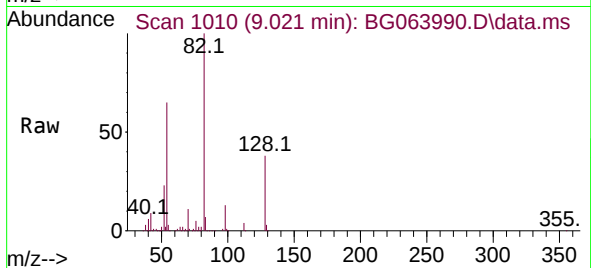
Tgt Ion: 82 Resp: 256785

Ion Ratio Lower Upper

82 100

128 37.7 29.4 44.2

54 65.4 49.9 74.9



#24

Nitrobenzene

Concen: 9.734 ng

RT: 9.068 min Scan# 1018

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

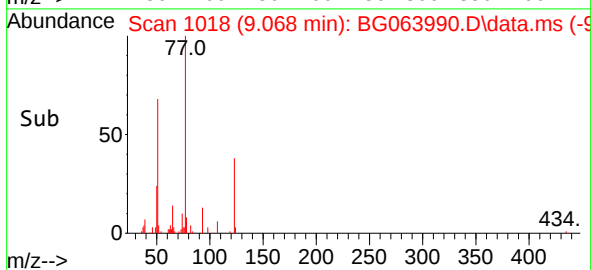
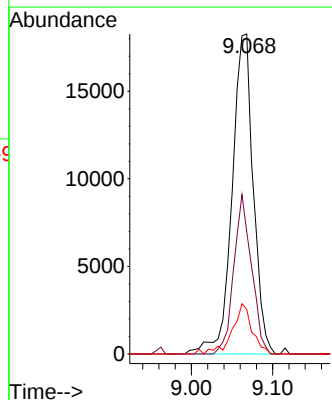
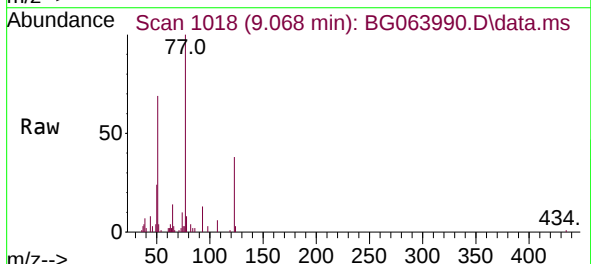
Tgt Ion: 77 Resp: 33151

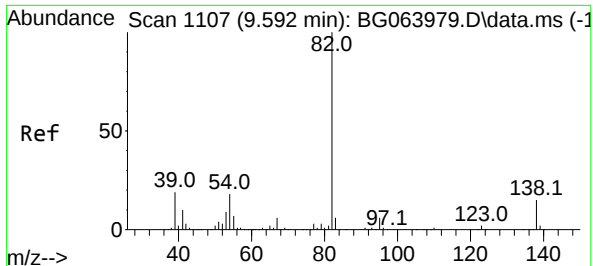
Ion Ratio Lower Upper

77 100

123 38.2 32.9 49.3

65 13.9 11.0 16.6

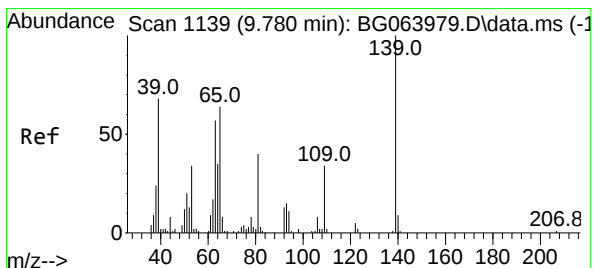
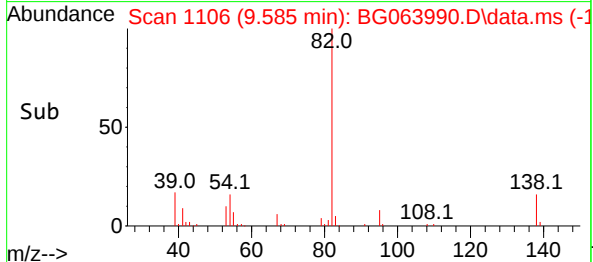
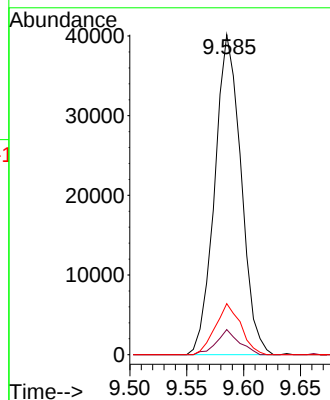
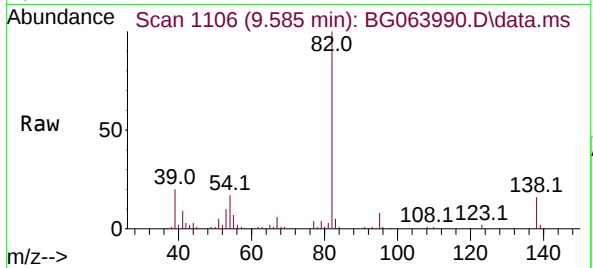




#25
Isophorone
Concen: 6.687 ng
RT: 9.585 min Scan# 1106
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

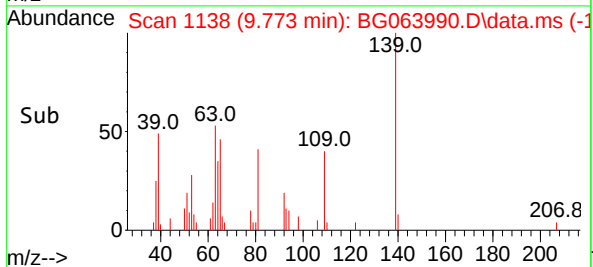
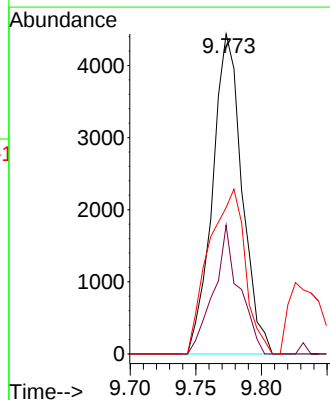
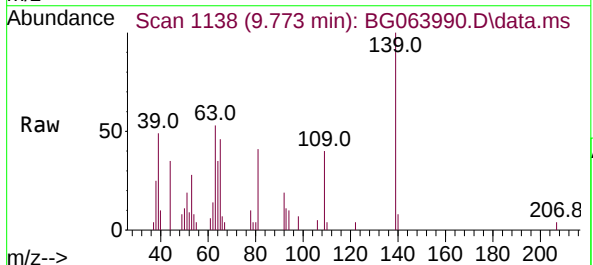
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

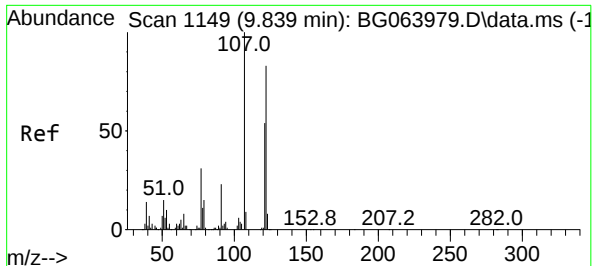
Tgt Ion: 82 Resp: 64754
Ion Ratio Lower Upper
82 100
95 7.9 5.0 7.4#
138 15.9 12.2 18.4



#26
2-Nitrophenol
Concen: 11.537 ng
RT: 9.773 min Scan# 1138
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion: 139 Resp: 6935
Ion Ratio Lower Upper
139 100
109 40.3 27.1 40.7
65 45.7 51.0 76.6#





#27

2,4-Dimethylphenol

Concen: 4.780 ng

RT: 9.832 min Scan# 1148

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

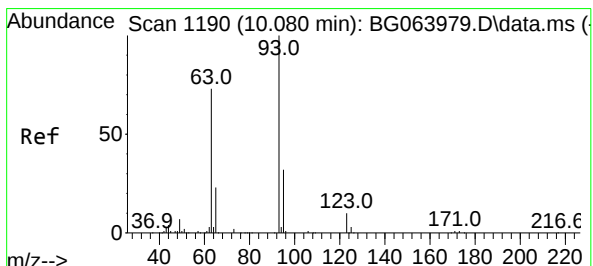
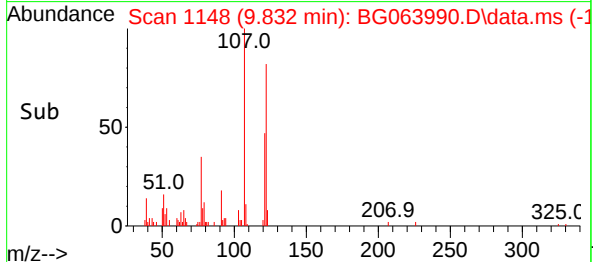
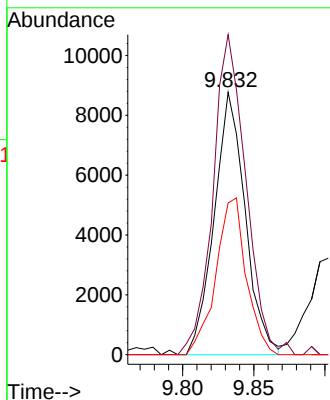
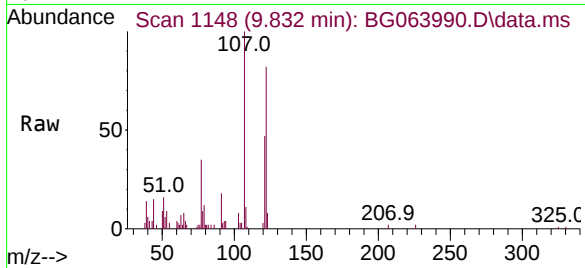
Tgt Ion:122 Resp: 13314

Ion Ratio Lower Upper

122 100

107 122.0 96.4 144.6

121 57.8 51.8 77.6



#28

bis(2-Chloroethoxy)methane

Concen: 6.381 ng

RT: 10.073 min Scan# 1189

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

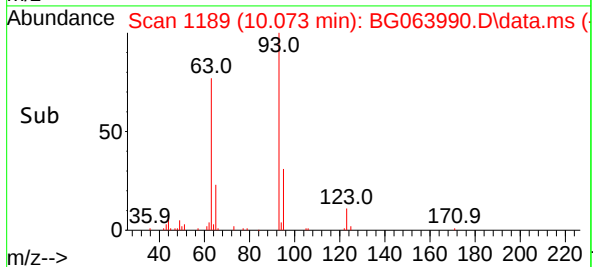
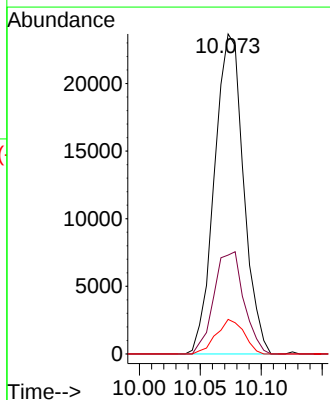
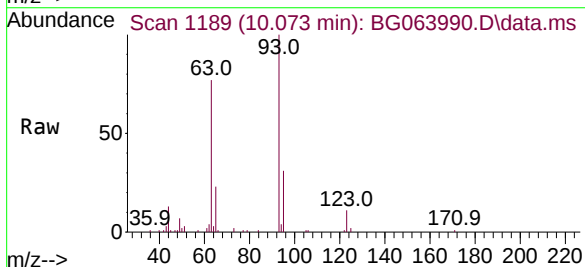
Tgt Ion: 93 Resp: 39318

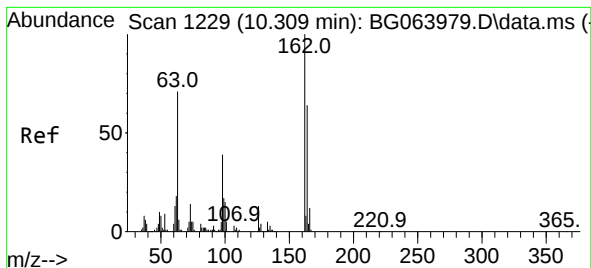
Ion Ratio Lower Upper

93 100

95 30.9 25.4 38.2

123 10.8 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 9.011 ng

RT: 10.302 min Scan# 1228

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

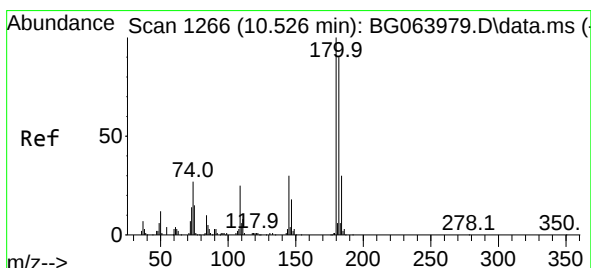
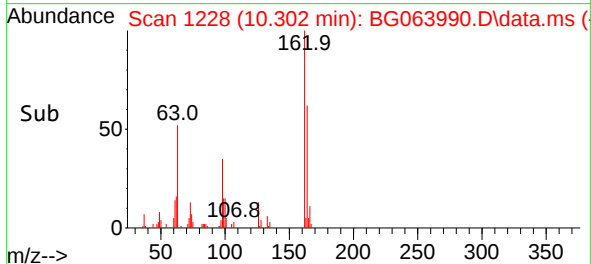
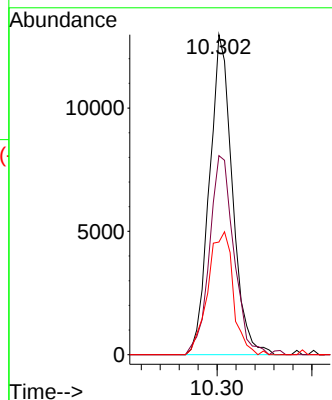
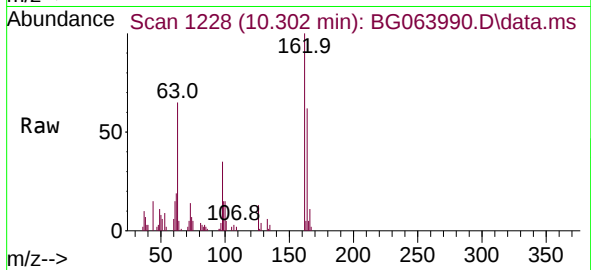
Tgt Ion:162 Resp: 21756

Ion Ratio Lower Upper

162 100

164 62.2 43.6 83.6

98 35.2 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 6.500 ng

RT: 10.525 min Scan# 1266

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

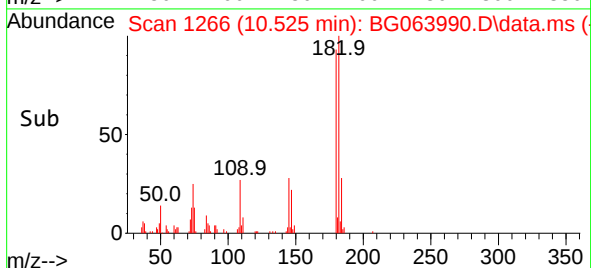
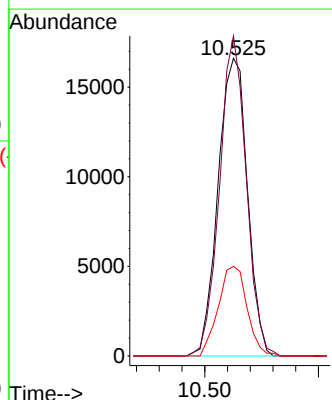
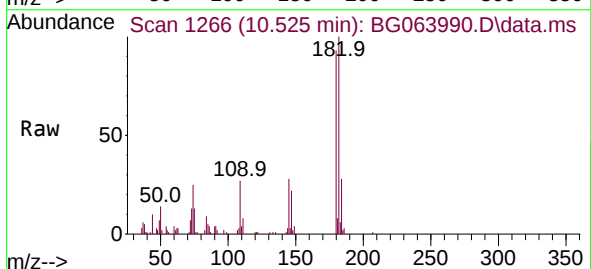
Tgt Ion:180 Resp: 29746

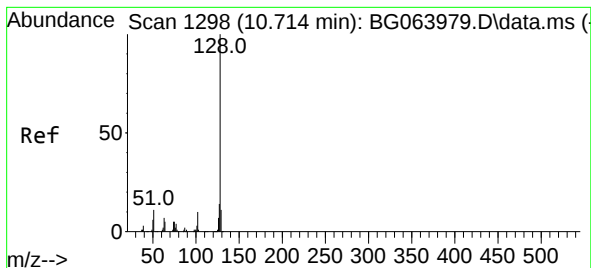
Ion Ratio Lower Upper

180 100

182 107.5 72.3 108.5

145 30.1 23.8 35.8





#31

Naphthalene

Concen: 6.757 ng

RT: 10.713 min Scan# 1160

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

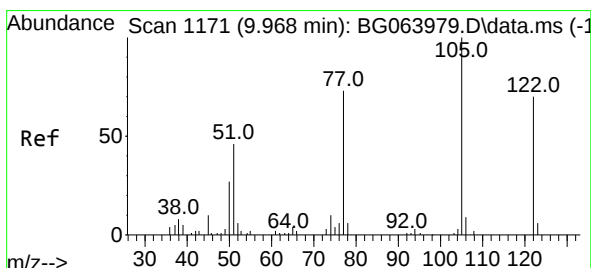
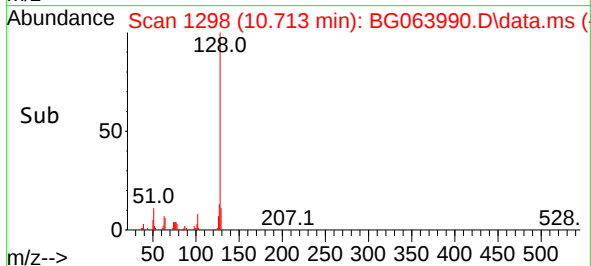
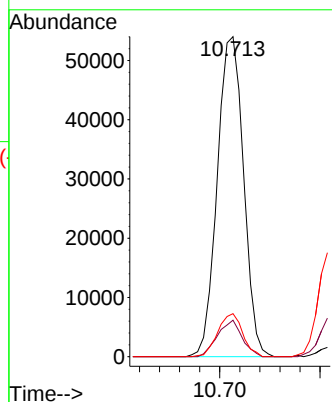
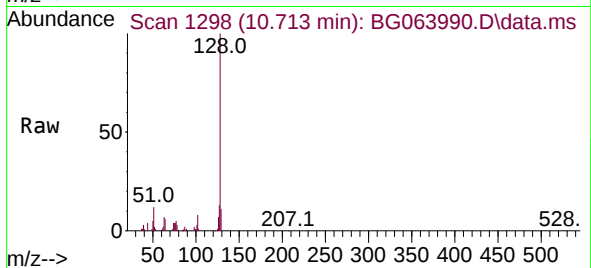
Tgt Ion:128 Resp: 98342

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 11.920 ng m

RT: 9.902 min Scan# 1160

Delta R.T. -0.066 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

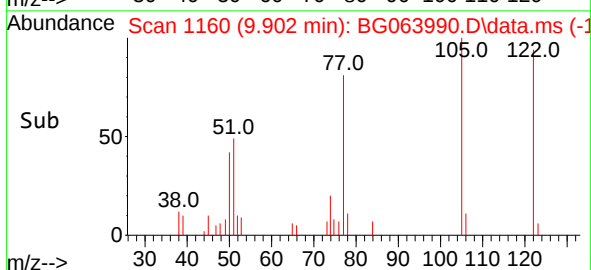
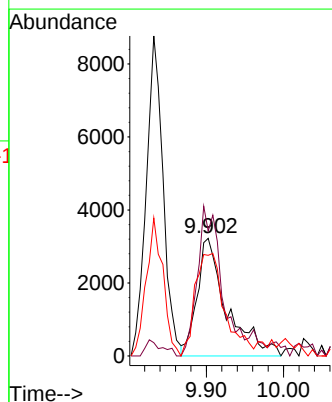
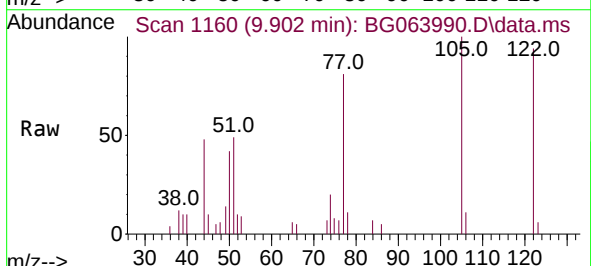
Tgt Ion:122 Resp: 8594

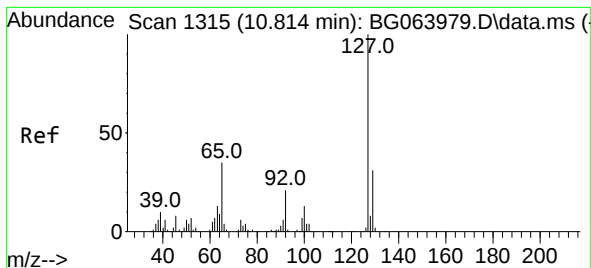
Ion Ratio Lower Upper

122 100

105 106.2 117.9 157.9#

77 85.6 83.9 123.9





#33

4-Chloroaniline

Concen: 6.501 ng

RT: 10.813 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:127 Resp: 36252

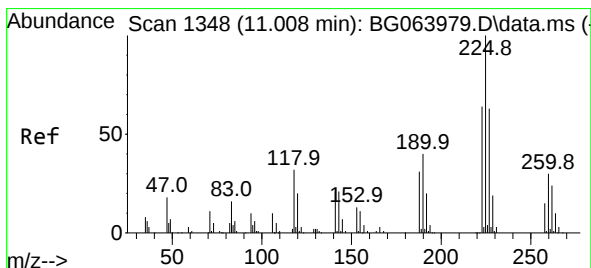
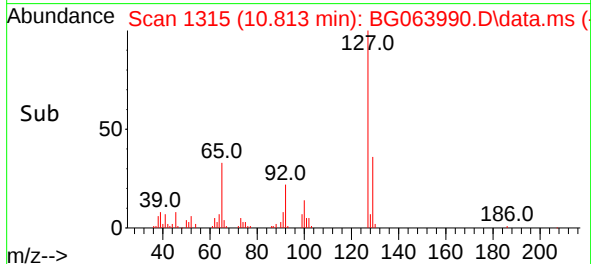
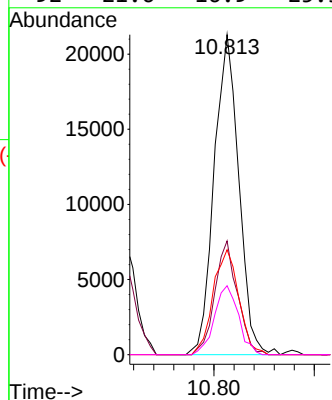
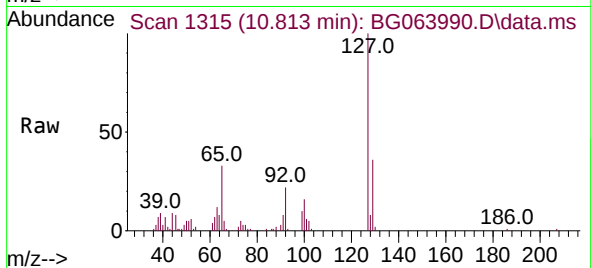
Ion Ratio Lower Upper

127 100

129 35.6 24.9 37.3

65 32.8 28.2 42.4

92 21.6 16.9 25.3



#34

Hexachlorobutadiene

Concen: 6.269 ng

RT: 11.007 min Scan# 1348

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

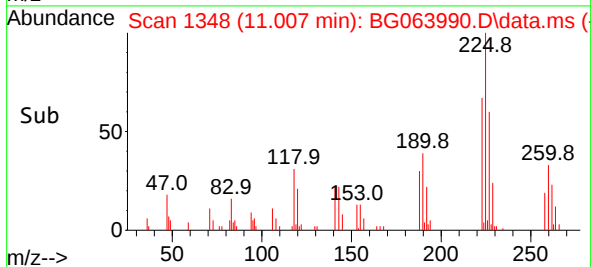
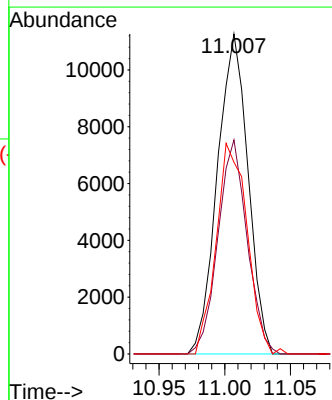
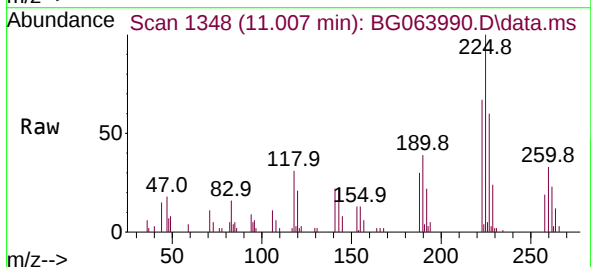
Tgt Ion:225 Resp: 18269

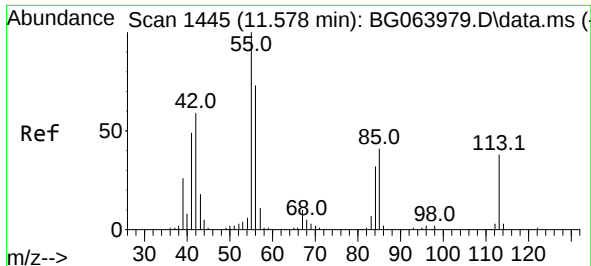
Ion Ratio Lower Upper

225 100

223 66.9 51.0 76.6

227 59.9 50.3 75.5

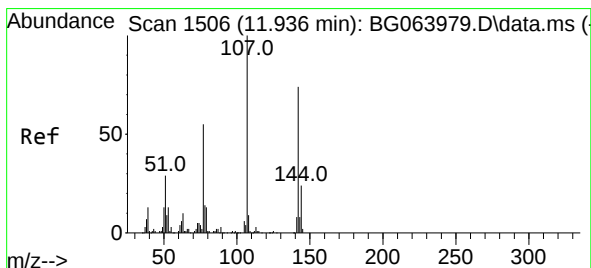
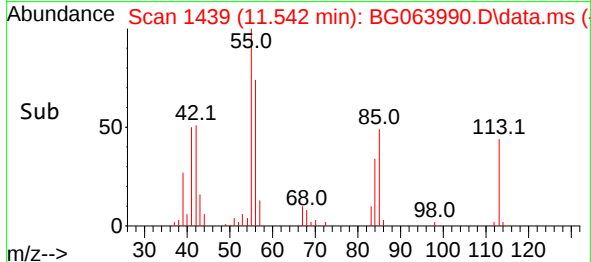
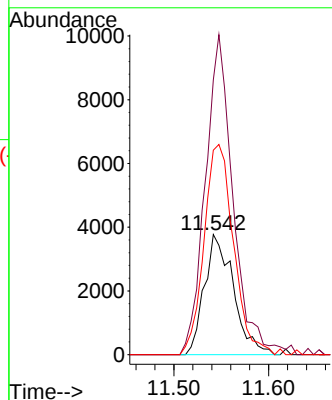
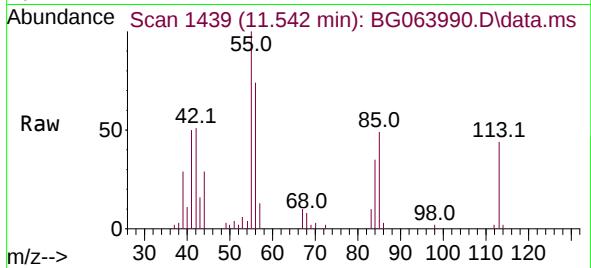




#35
 Caprolactam
 Concen: 10.325 ng
 RT: 11.542 min Scan# 1445
 Delta R.T. -0.036 min
 Lab File: BG063990.D
 Acq: 4 Feb 2025 14:29

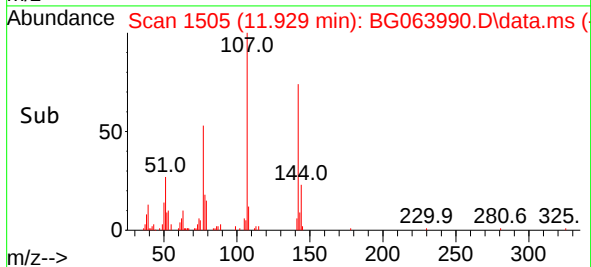
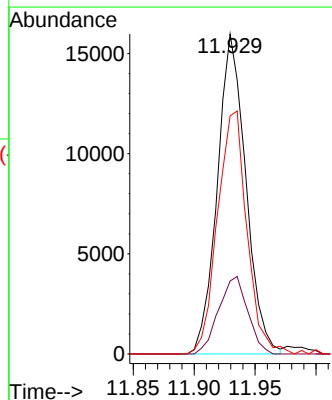
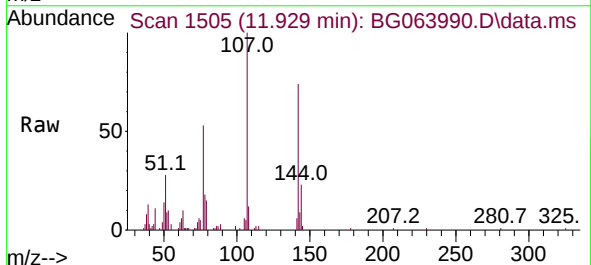
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

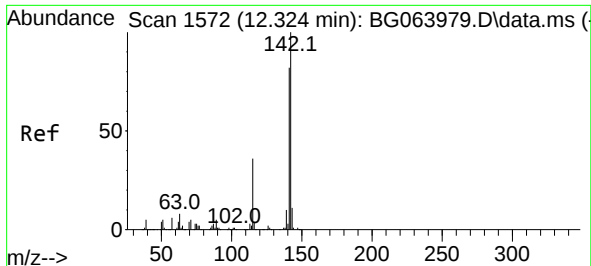
Tgt Ion:113 Resp: 8021
 Ion Ratio Lower Upper
 113 100
 55 228.5 241.8 281.8#
 56 170.0 171.5 211.5#



#36
 4-Chloro-3-methylphenol
 Concen: 5.833 ng
 RT: 11.929 min Scan# 1505
 Delta R.T. -0.007 min
 Lab File: BG063990.D
 Acq: 4 Feb 2025 14:29

Tgt Ion:107 Resp: 26008
 Ion Ratio Lower Upper
 107 100
 144 22.8 19.2 28.8
 142 74.4 58.9 88.3

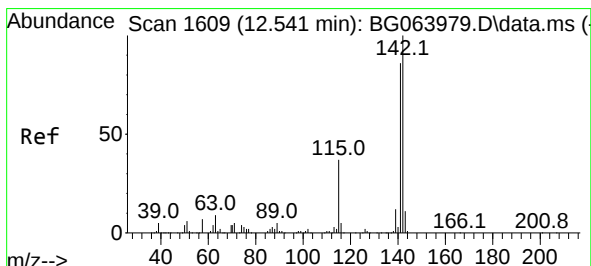
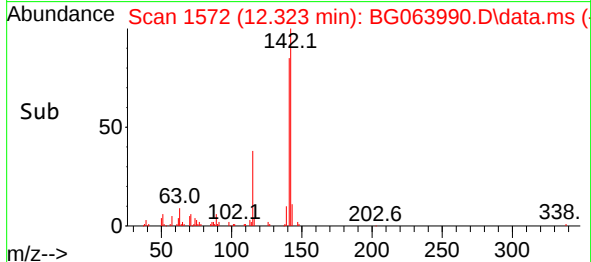
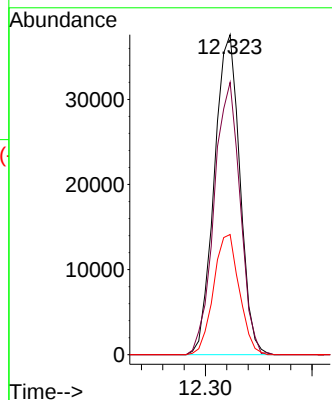
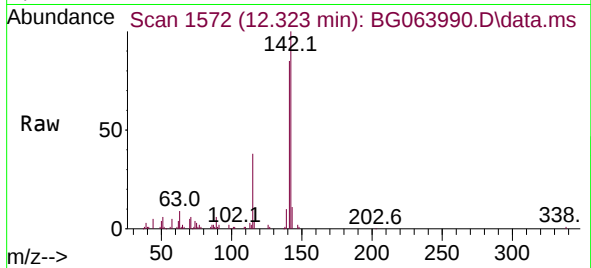




#37
2-Methylnaphthalene
Concen: 6.159 ng
RT: 12.323 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

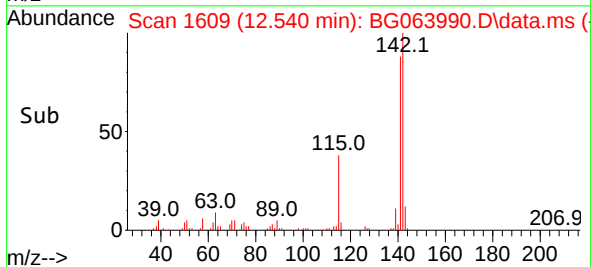
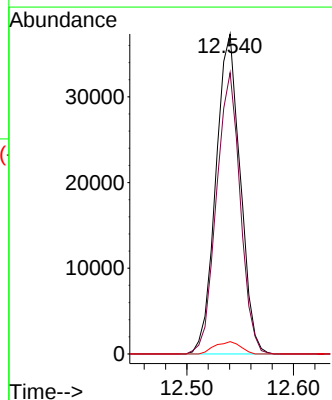
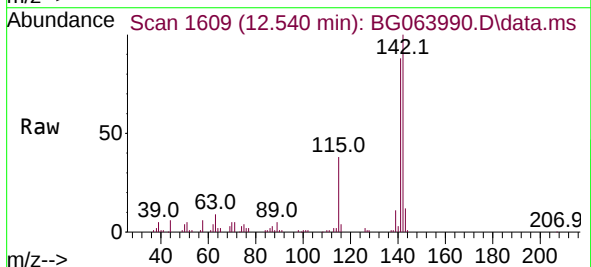
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

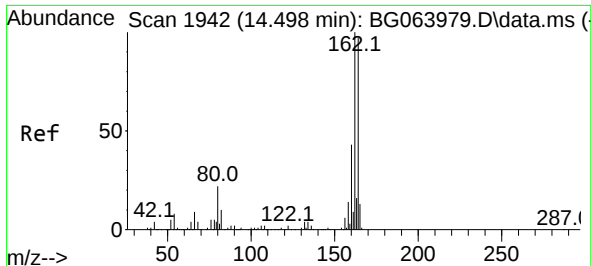
Tgt Ion:142 Resp: 62465
Ion Ratio Lower Upper
142 100
141 85.1 65.8 98.8
115 37.6 28.9 43.3



#38
1-Methylnaphthalene
Concen: 5.900 ng
RT: 12.540 min Scan# 1609
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

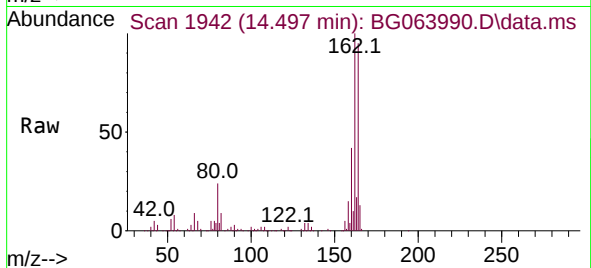
Tgt Ion:142 Resp: 59212
Ion Ratio Lower Upper
142 100
141 87.9 69.2 103.8
116 3.8 3.6 5.4



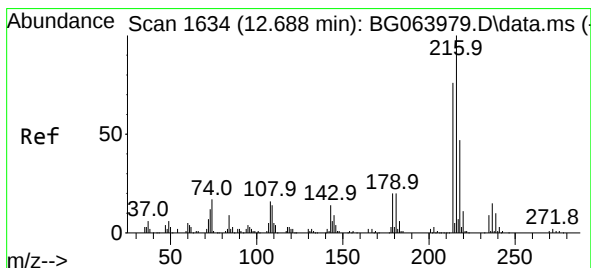
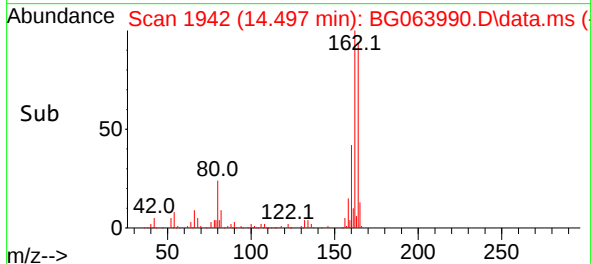
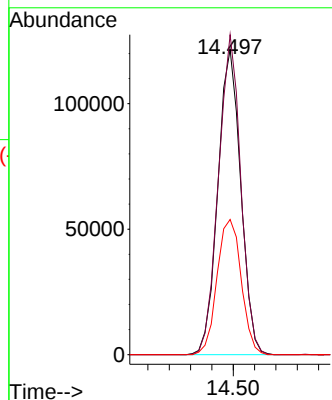


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.497 min Scan# 1942
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

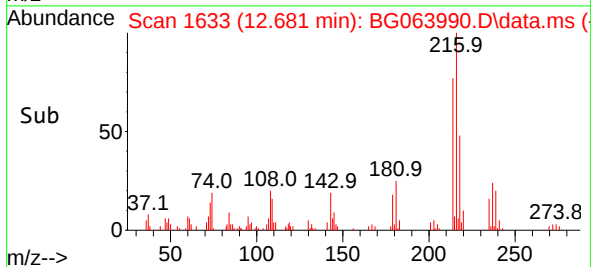
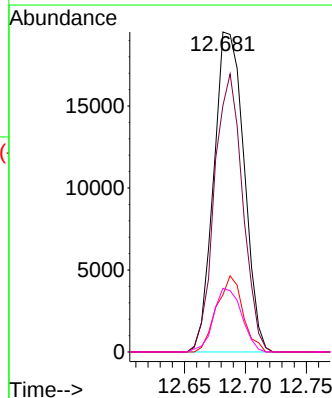
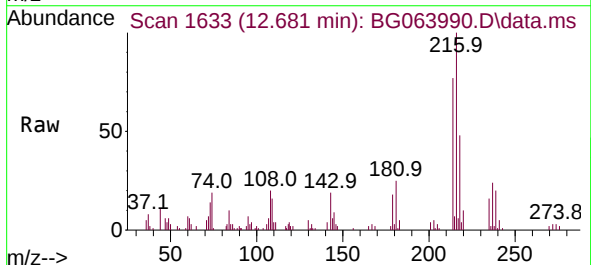


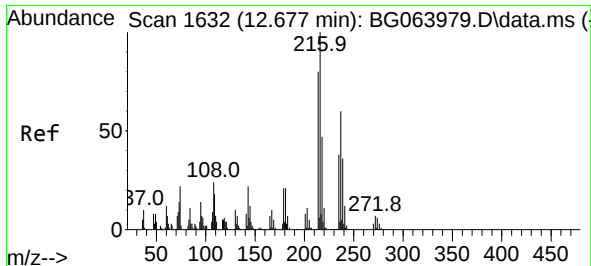
Tgt Ion:164 Resp: 180896
Ion Ratio Lower Upper
164 100
162 104.9 82.3 123.5
160 44.3 35.4 53.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.305 ng
RT: 12.681 min Scan# 1633
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

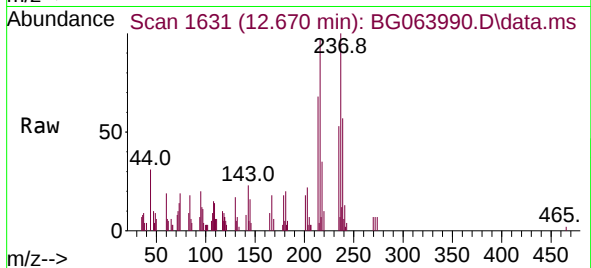
Tgt Ion:216 Resp: 33634
Ion Ratio Lower Upper
216 100
214 81.3 62.9 94.3
179 20.7 16.6 25.0
108 18.5 14.2 21.4



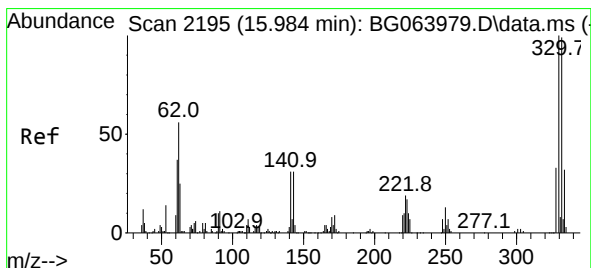
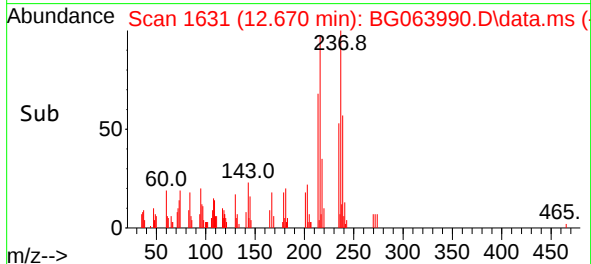
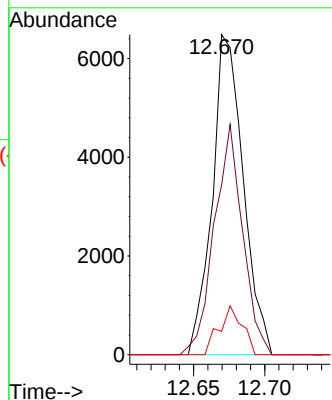


#41
Hexachlorocyclopentadiene
Concen: 7.282 ng
RT: 12.670 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

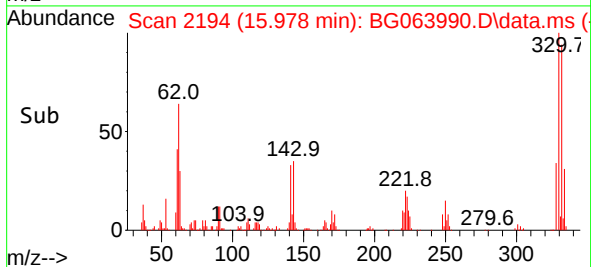
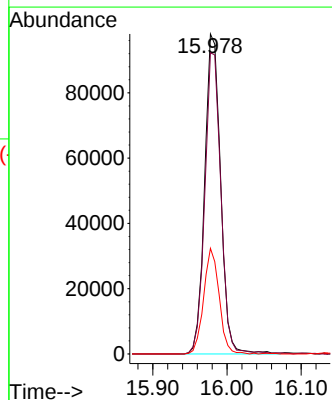
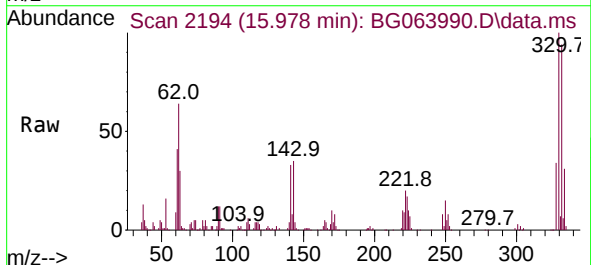


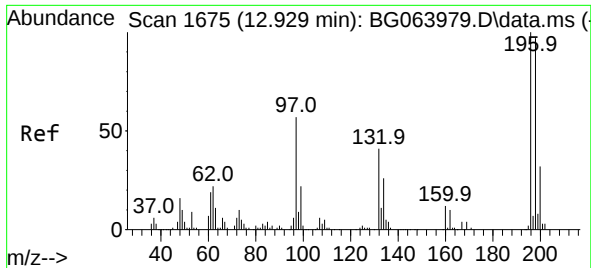
Tgt Ion	Ratio	Lower	Upper
237	100		
235	53.1	43.8	83.8
272	7.3	0.0	32.3



#42
2,4,6-Tribromophenol
Concen: 77.241 ng
RT: 15.978 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	79.0	118.6
141	32.0	27.2	40.8

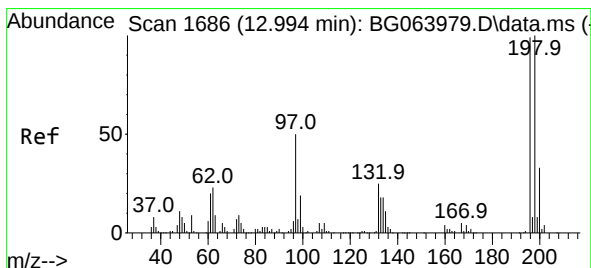
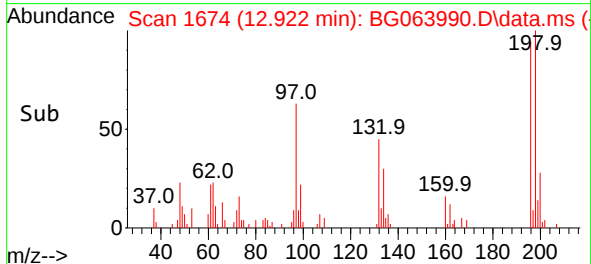
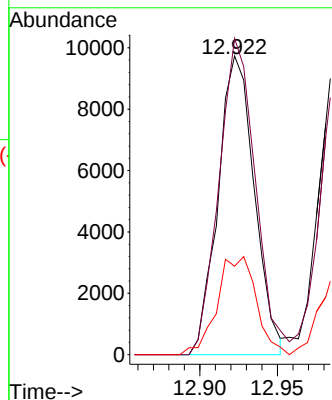
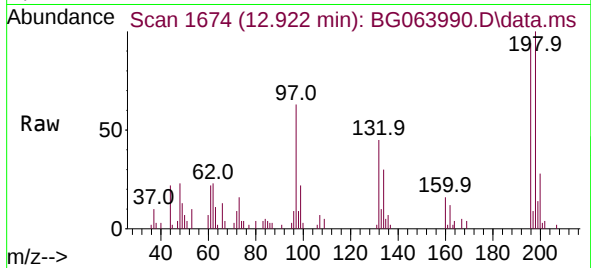




#43
2,4,6-Trichlorophenol
Concen: 9.439 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

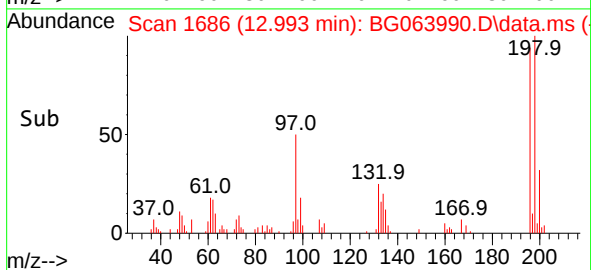
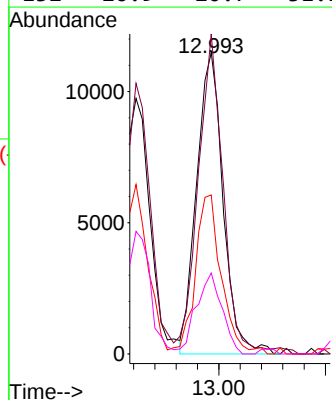
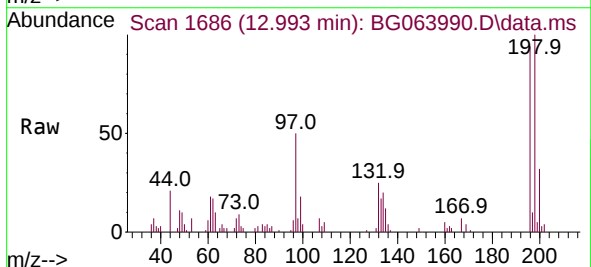
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

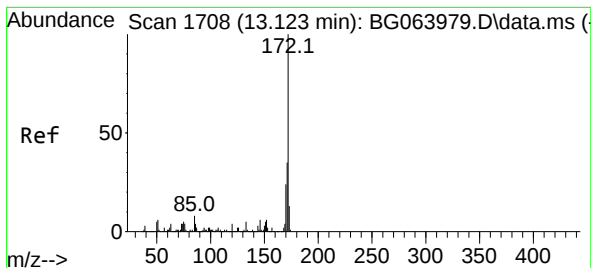
Tgt Ion:196 Resp: 15861
Ion Ratio Lower Upper
196 100
198 105.9 77.9 116.9
200 29.6 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 9.102 ng
RT: 12.993 min Scan# 1686
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:196 Resp: 19836
Ion Ratio Lower Upper
196 100
198 106.2 81.1 121.7
97 52.8 41.2 61.8
132 26.9 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 54.522 ng

RT: 13.122 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

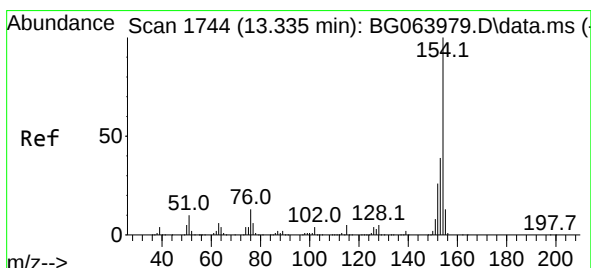
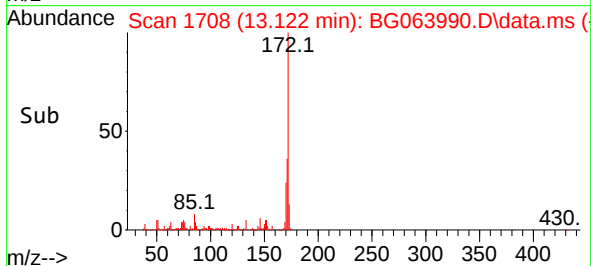
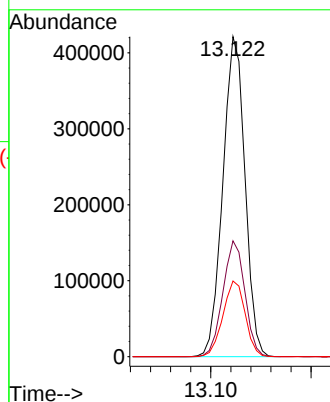
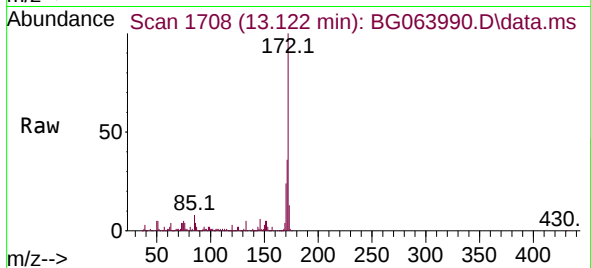
Tgt Ion:172 Resp: 643726

Ion Ratio Lower Upper

172 100

171 36.2 27.8 41.6

170 23.6 19.4 29.2



#46

1,1'-Biphenyl

Concen: 6.552 ng

RT: 13.334 min Scan# 1744

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

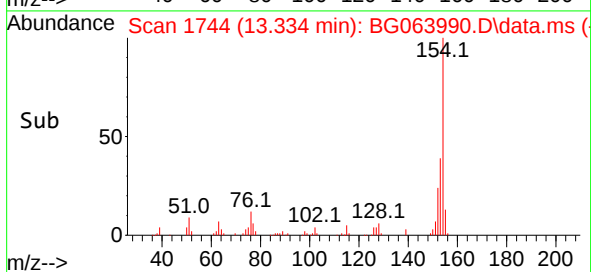
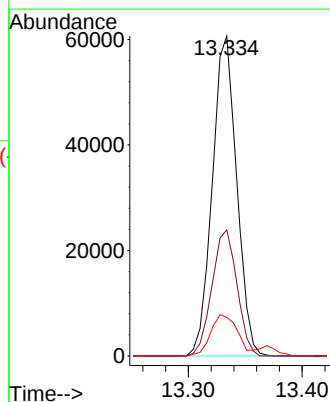
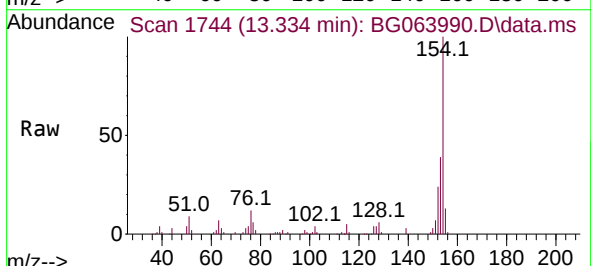
Tgt Ion:154 Resp: 90239

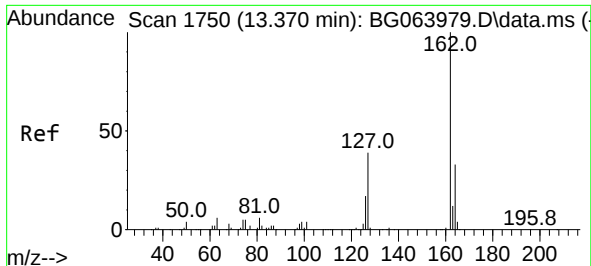
Ion Ratio Lower Upper

154 100

153 39.4 19.3 59.3

76 12.1 0.0 33.3

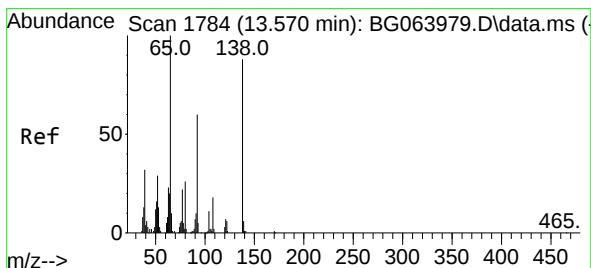
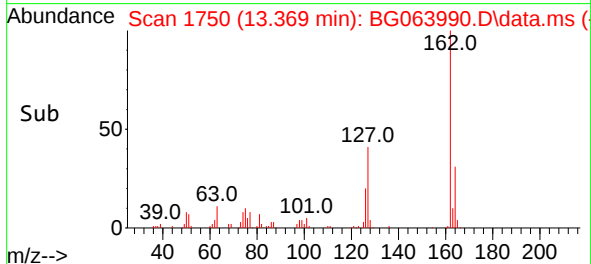
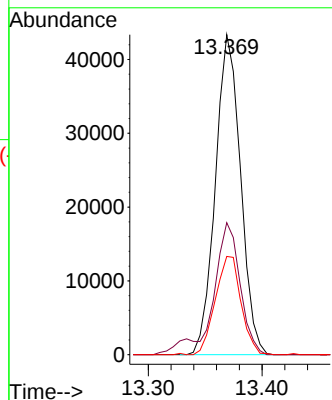
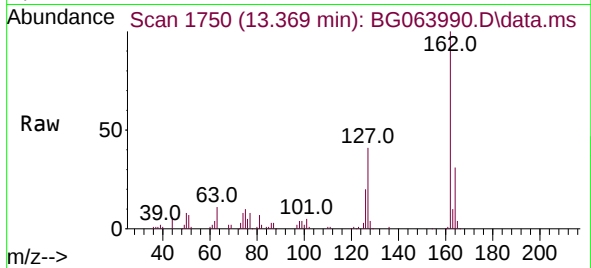




#47
2-Chloronaphthalene
Concen: 6.646 ng
RT: 13.369 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

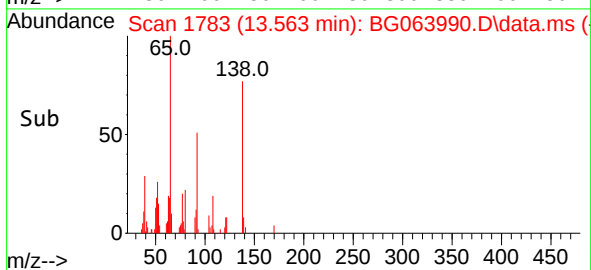
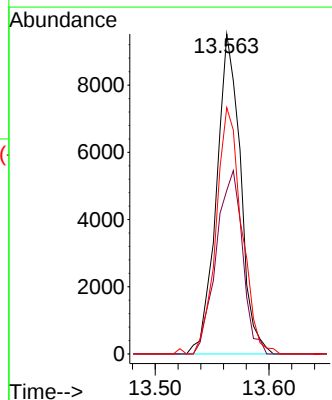
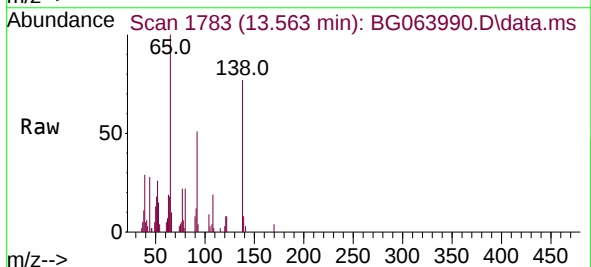
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

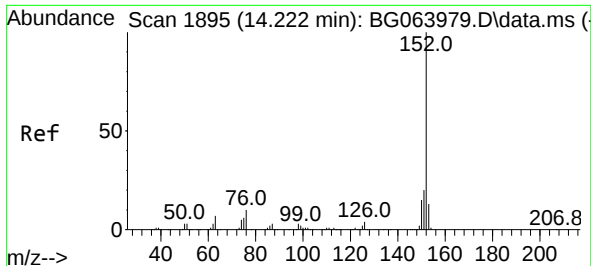
Tgt Ion:162 Resp: 66714
Ion Ratio Lower Upper
162 100
127 41.3 33.4 50.2
164 30.7 26.0 39.0



#48
2-Nitroaniline
Concen: 10.001 ng
RT: 13.563 min Scan# 1783
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion: 65 Resp: 13966
Ion Ratio Lower Upper
65 100
92 51.1 47.6 71.4
138 77.0 70.6 106.0

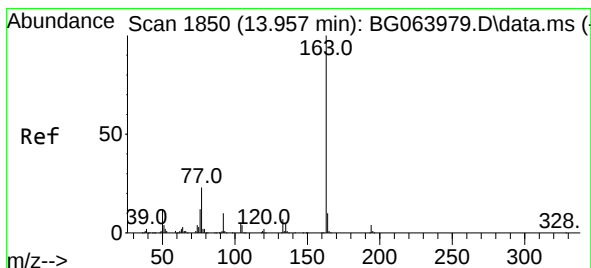
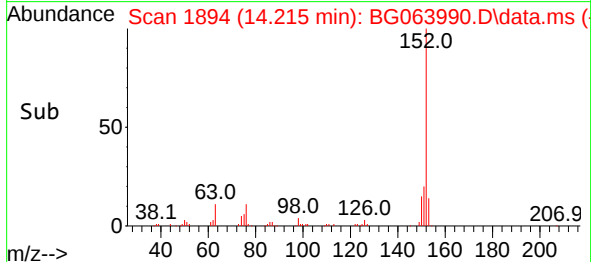
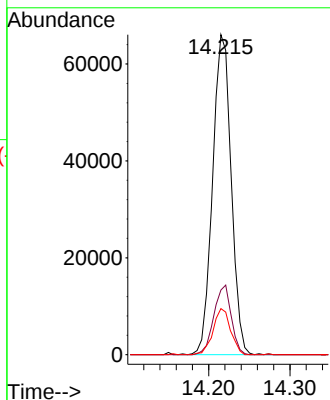
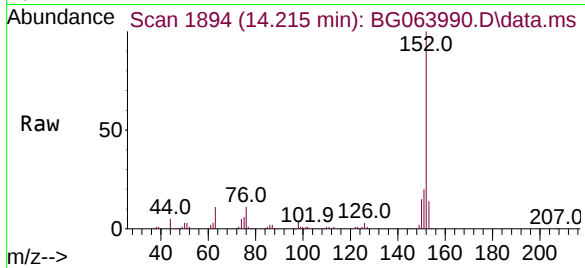




#49
Acenaphthylene
Concen: 6.727 ng
RT: 14.215 min Scan# 1894
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

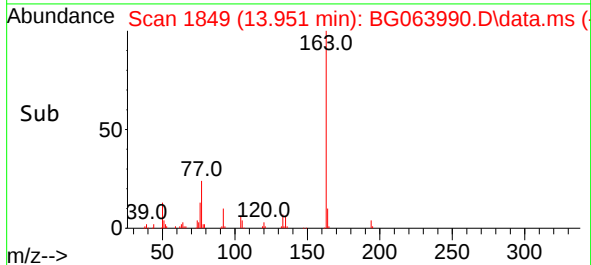
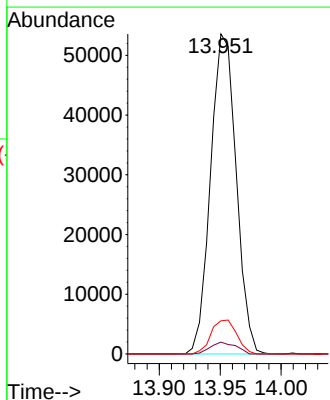
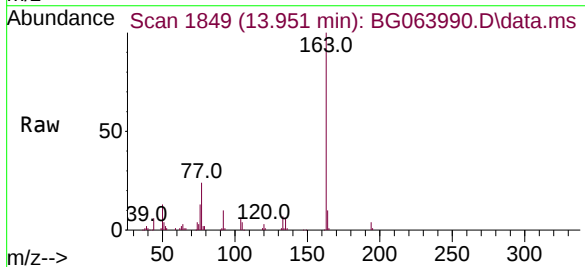
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

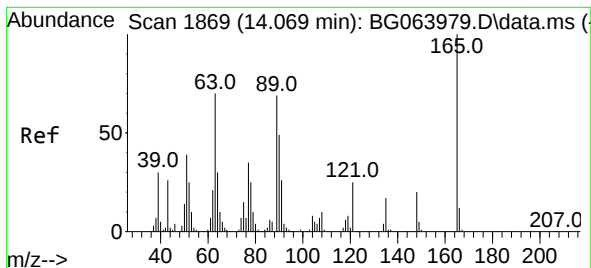
Tgt Ion:152 Resp: 104887
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 14.4 10.3 15.5



#50
Dimethylphthalate
Concen: 6.538 ng
RT: 13.951 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:163 Resp: 78415
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.4 8.0 12.0

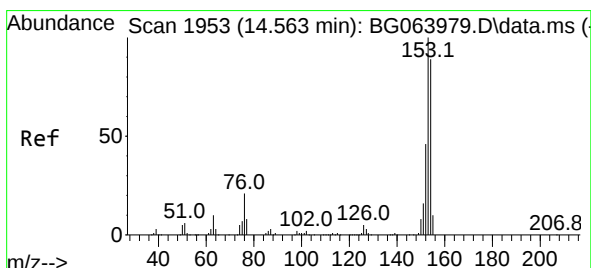
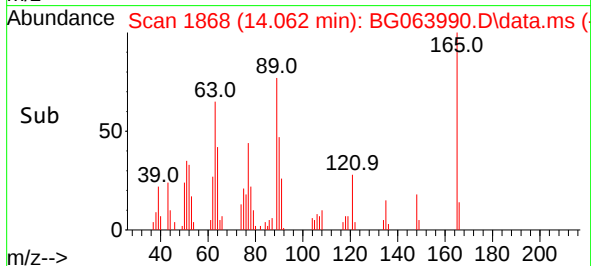
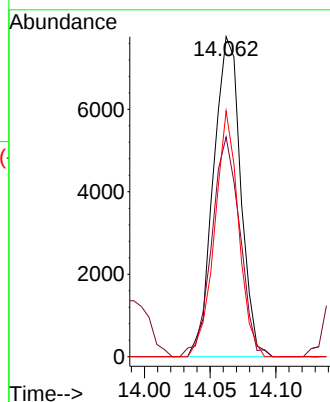
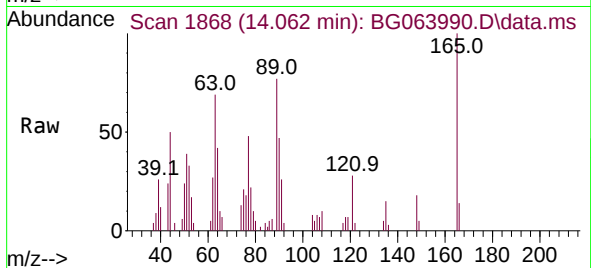




#51
2,6-Dinitrotoluene
Concen: 9.513 ng
RT: 14.062 min Scan# 1868
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

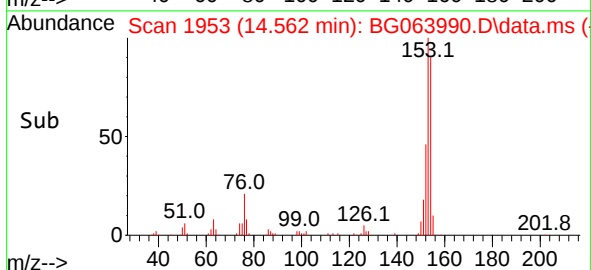
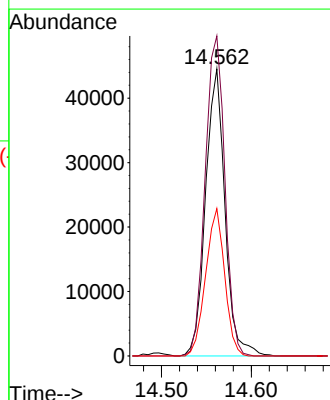
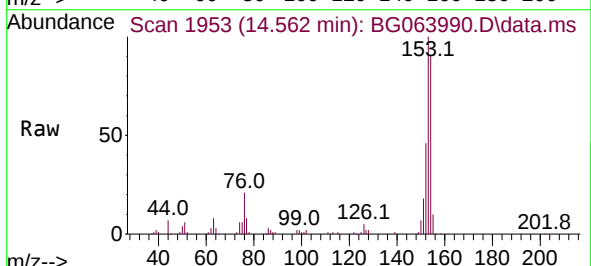
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

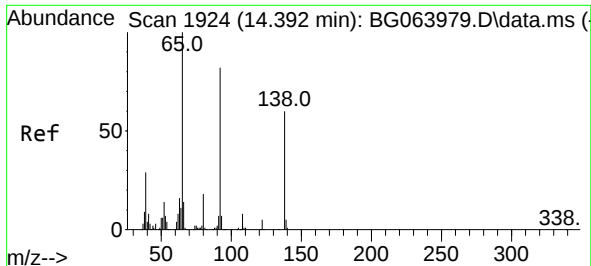
Tgt Ion:	165	Resp:	11166
Ion Ratio	Lower	Upper	
165	100		
63	68.7	57.7	86.5
89	76.8	55.6	83.4



#52
Acenaphthene
Concen: 6.408 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:	154	Resp:	67027
Ion Ratio	Lower	Upper	
154	100		
153	111.5	90.2	135.2
152	51.3	41.1	61.7

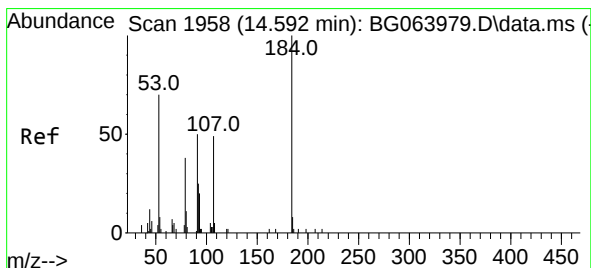
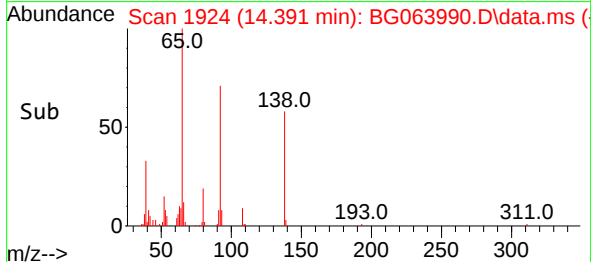
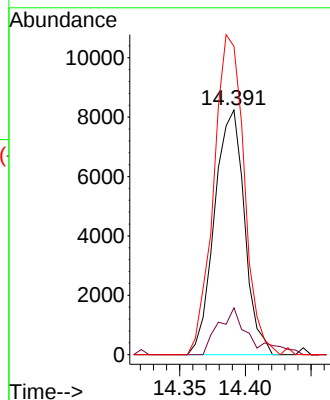
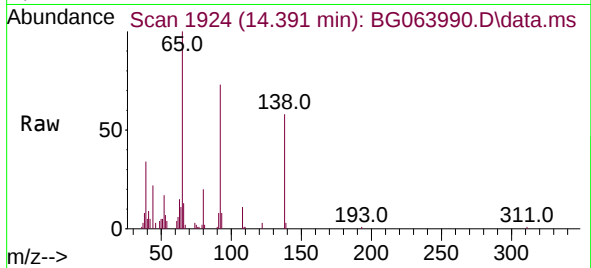




#53
3-Nitroaniline
Concen: 9.698 ng
RT: 14.391 min Scan# 1924
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

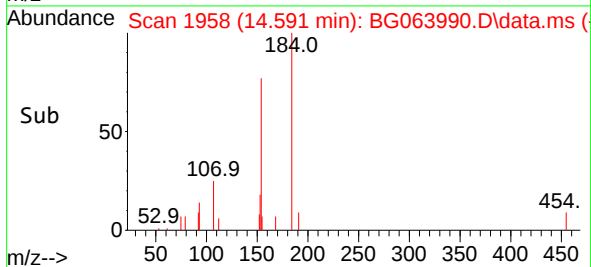
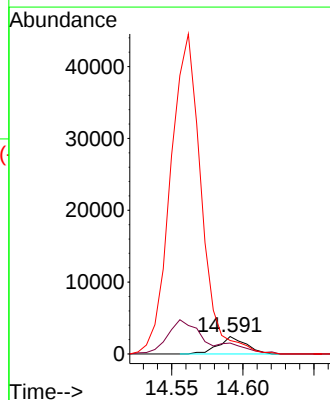
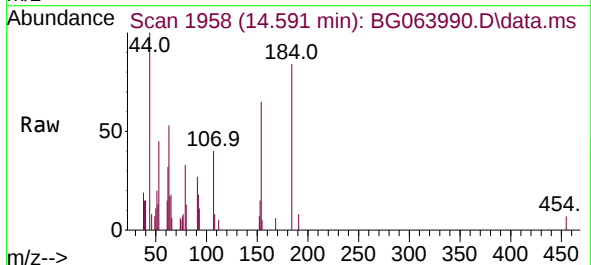
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

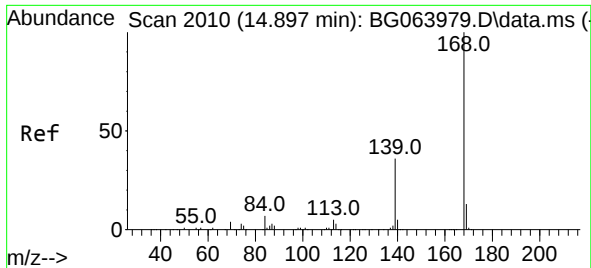
Tgt Ion:138 Resp: 13055
Ion Ratio Lower Upper
138 100
108 19.2 10.3 15.5#
92 126.0 109.0 163.4



#54
2,4-Dinitrophenol
Concen: 11.456 ng
RT: 14.591 min Scan# 1958
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:184 Resp: 3238
Ion Ratio Lower Upper
184 100
63 62.9 67.3 100.9#
154 83.5 65.9 98.9

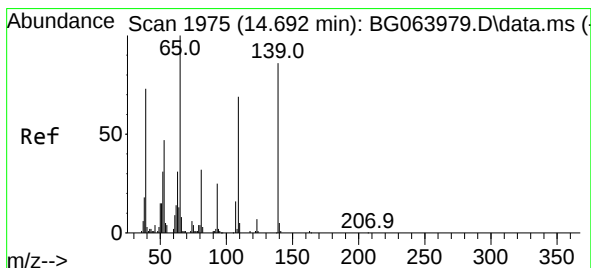
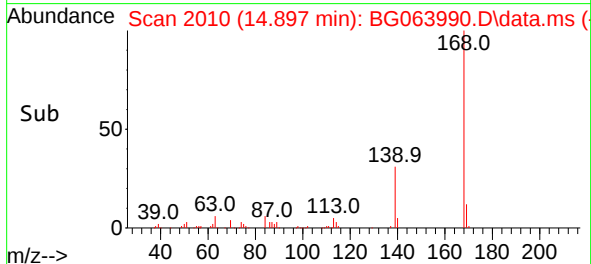
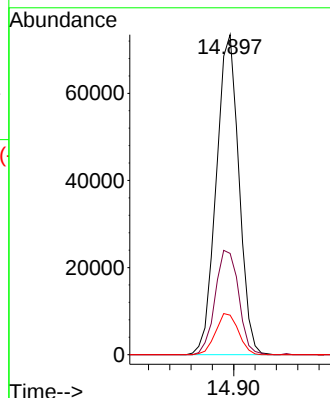
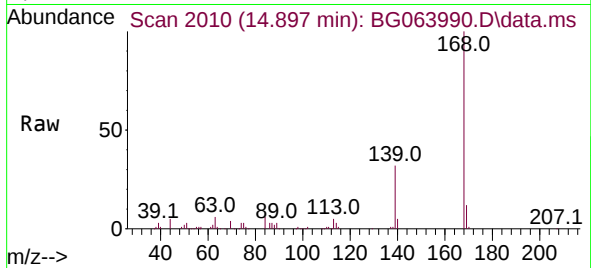




#55
Dibenzofuran
Concen: 6.369 ng
RT: 14.897 min Scan# 2010
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

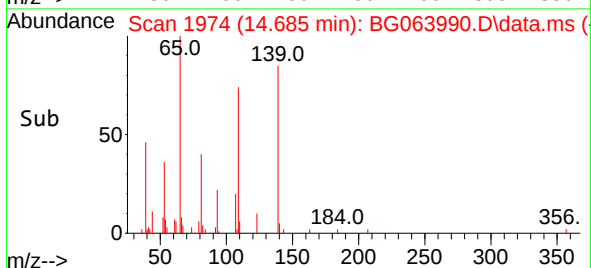
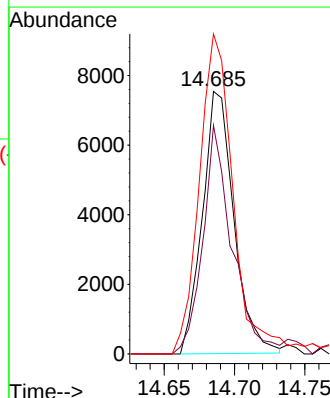
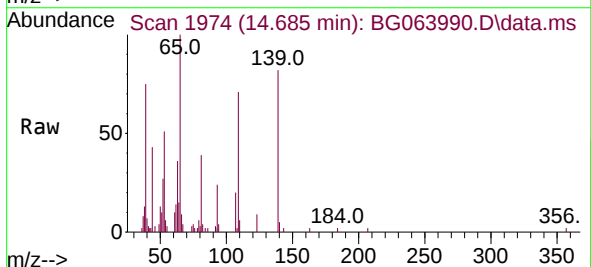
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2024

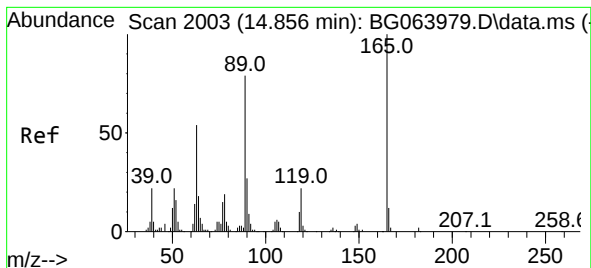
Tgt Ion:168 Resp: 108171
Ion Ratio Lower Upper
168 100
139 31.7 28.6 43.0
169 12.4 10.6 16.0



#56
4-Nitrophenol
Concen: 12.978 ng m
RT: 14.685 min Scan# 1974
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

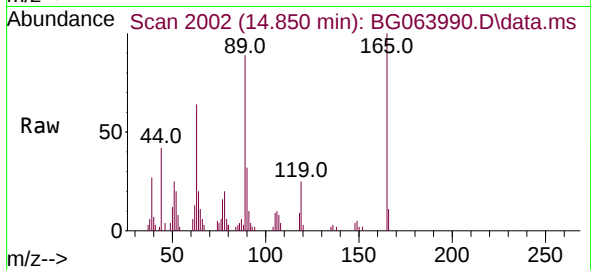
Tgt Ion:139 Resp: 11783
Ion Ratio Lower Upper
139 100
109 87.1 60.1 100.1
65 121.8 96.2 136.2



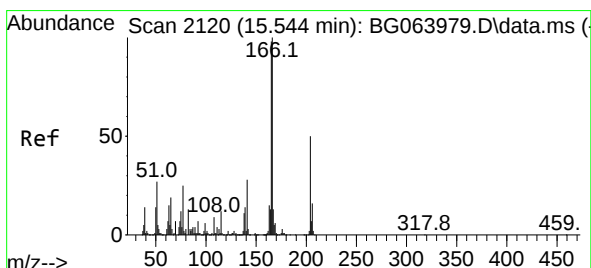
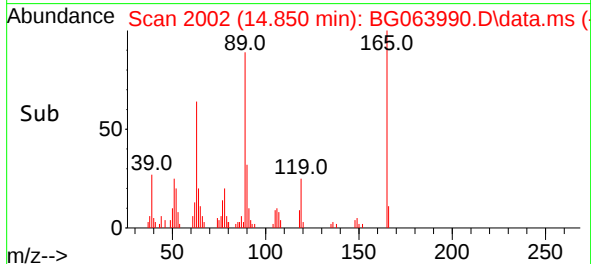
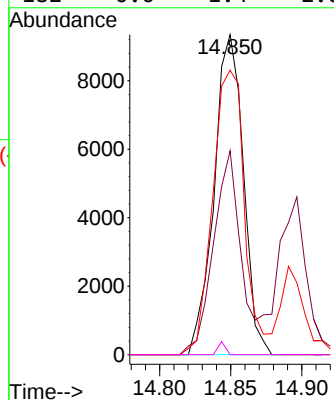


#57
2,4-Dinitrotoluene
Concen: 9.591 ng
RT: 14.850 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

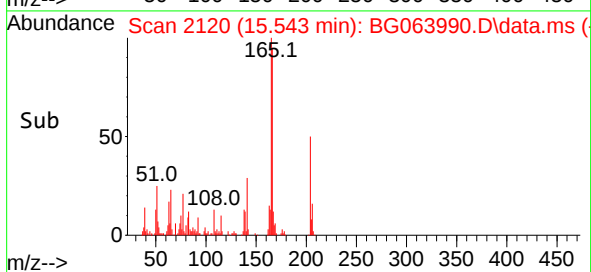
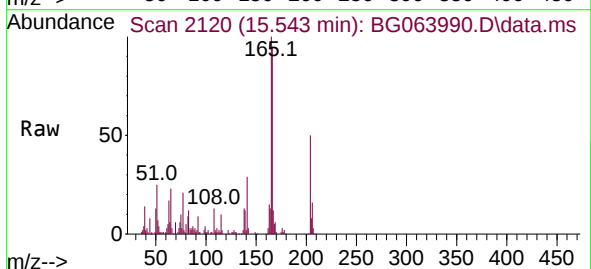
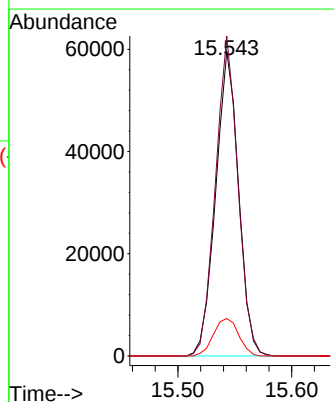


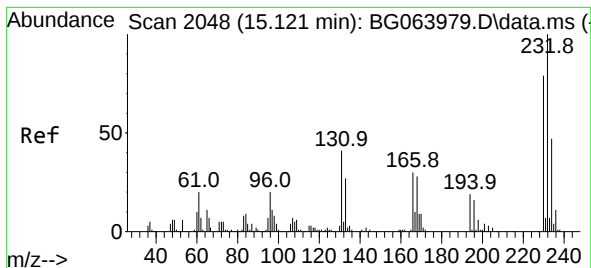
Tgt Ion:165 Resp: 13380
Ion Ratio Lower Upper
165 100
63 63.7 43.6 65.4
89 88.9 63.1 94.7
182 0.0 1.4 2.0#



#58
Fluorene
Concen: 6.352 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:166 Resp: 83378
Ion Ratio Lower Upper
166 100
165 105.1 78.7 118.1
167 12.3 10.1 15.1

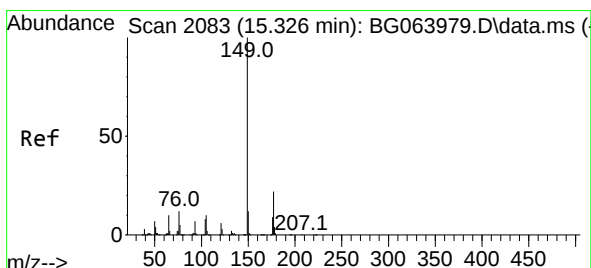
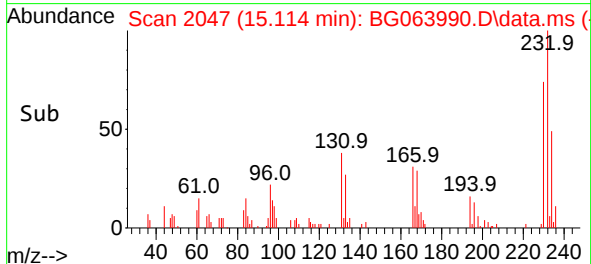
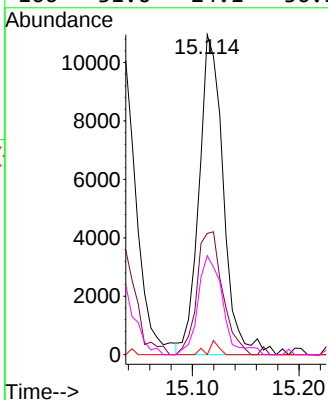
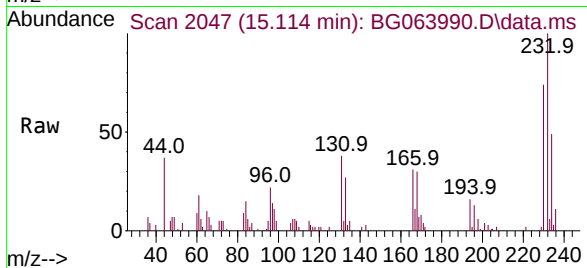




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.745 ng
RT: 15.114 min Scan# 2047
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

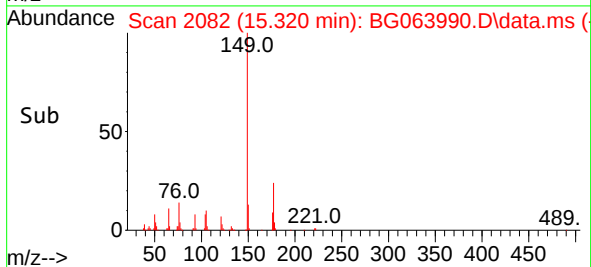
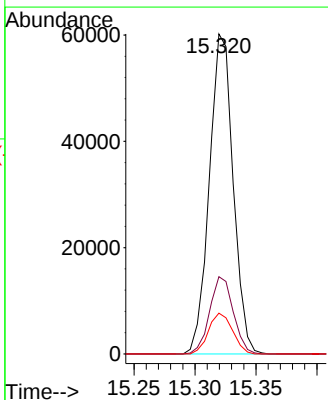
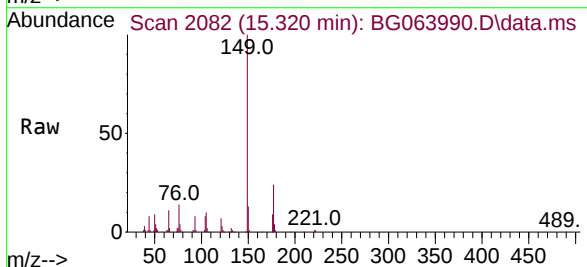
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

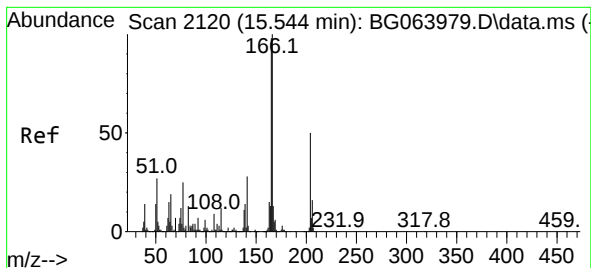
Tgt Ion:232 Resp: 17319
Ion Ratio Lower Upper
232 100
131 41.0 34.0 51.0
130 1.9 2.2 3.4#
166 31.6 24.1 36.1



#60
Diethylphthalate
Concen: 6.432 ng
RT: 15.320 min Scan# 2082
Delta R.T. -0.006 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:149 Resp: 81787
Ion Ratio Lower Upper
149 100
177 24.2 18.0 27.0
150 12.8 9.7 14.5

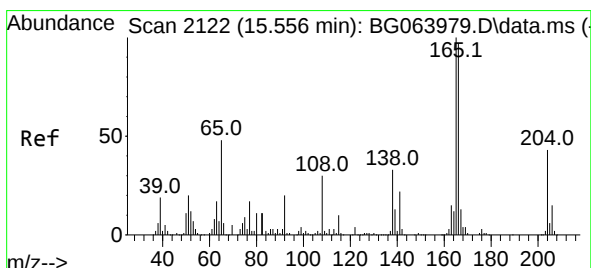
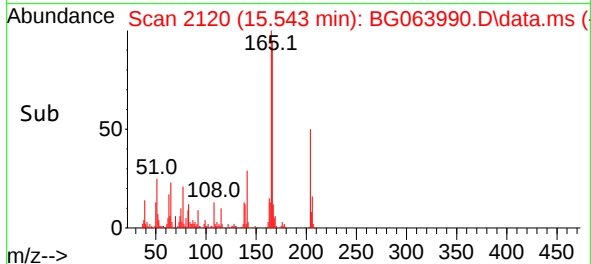
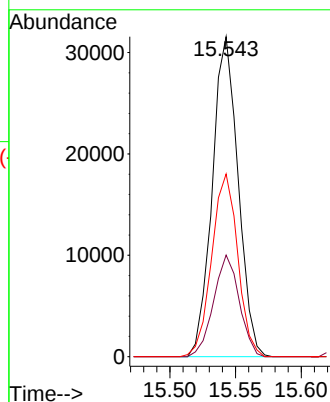
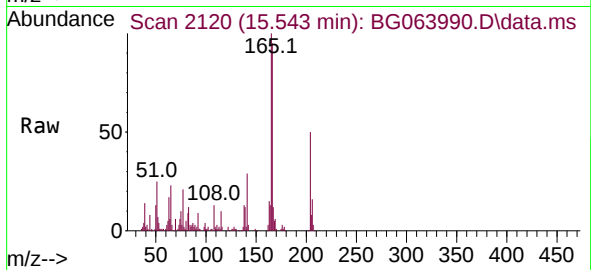




#61
4-Chlorophenyl-phenylether
Concen: 6.553 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

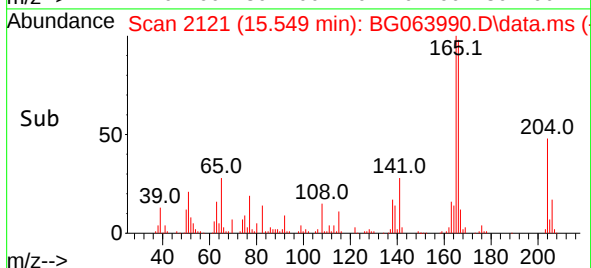
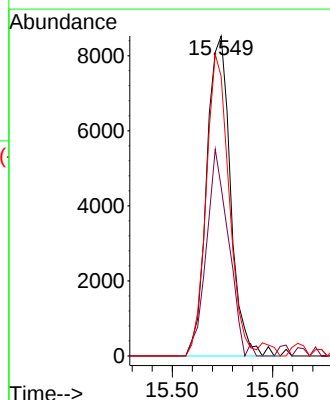
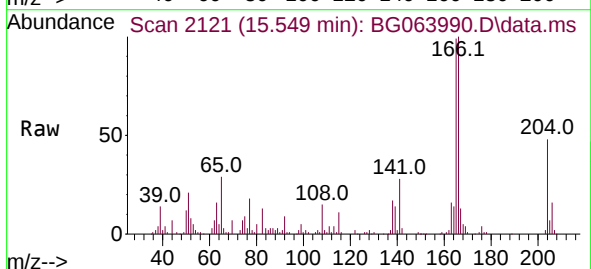
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

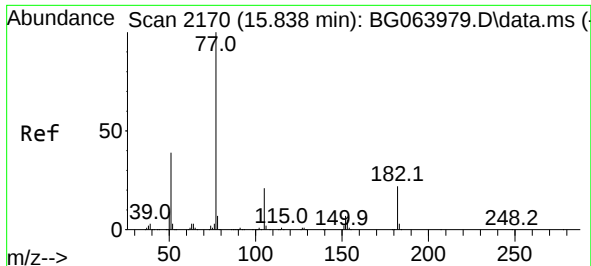
Tgt Ion:204 Resp: 43160
Ion Ratio Lower Upper
204 100
206 31.7 25.8 38.6
141 57.1 44.6 67.0



#62
4-Nitroaniline
Concen: 8.473 ng
RT: 15.549 min Scan# 2121
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:138 Resp: 14027
Ion Ratio Lower Upper
138 100
92 52.7 40.3 80.3
108 87.3 69.3 109.3

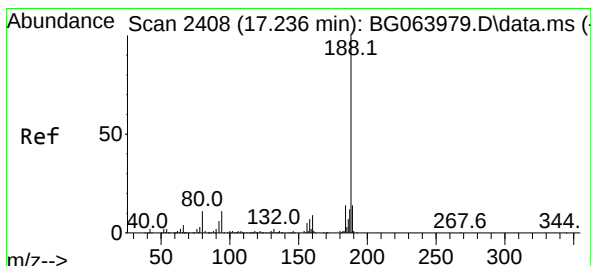
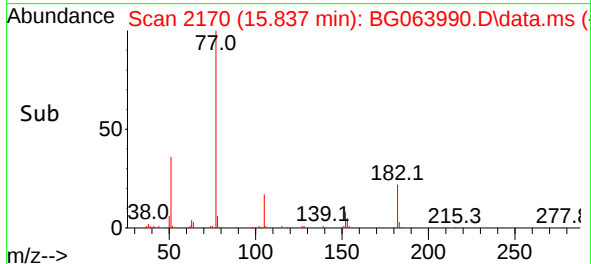
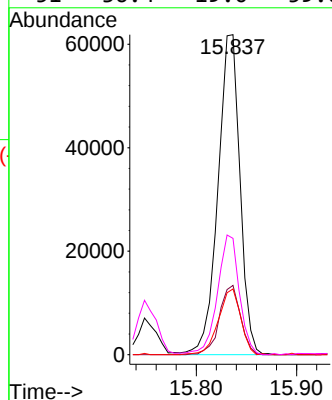
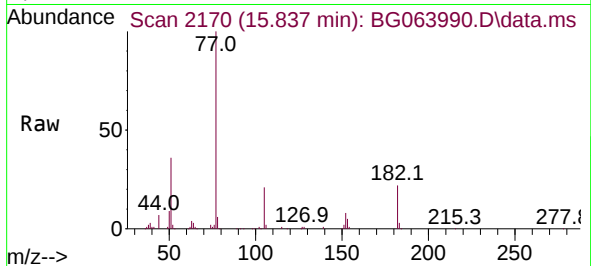




#63
Azobenzene
Concen: 6.277 ng
RT: 15.837 min Scan# 2170
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

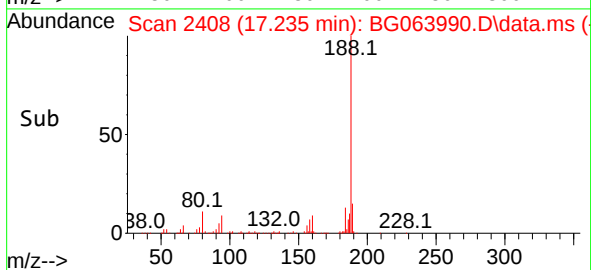
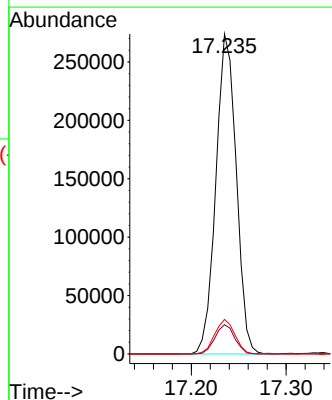
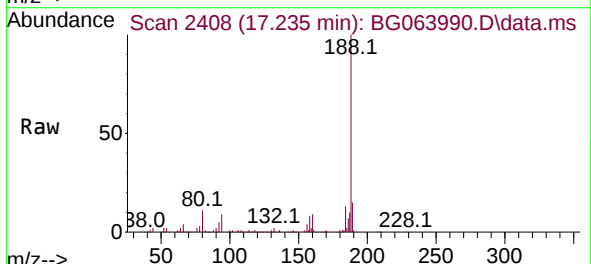
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

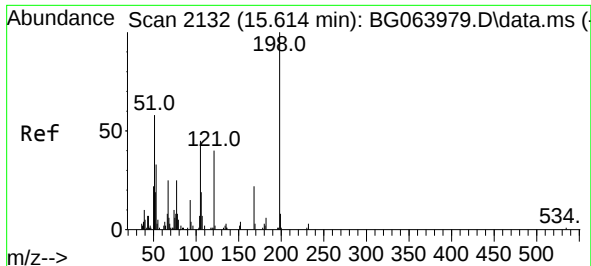
Tgt Ion: 77	Resp: 94284
Ion Ratio	Lower Upper
77 100	
182 21.6	2.3 42.3
105 20.6	1.0 41.0
51 36.4	19.0 59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.235 min Scan# 2408
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:188	Resp: 409877
Ion Ratio	Lower Upper
188 100	
94 9.2	8.6 13.0
80 10.8	8.5 12.7

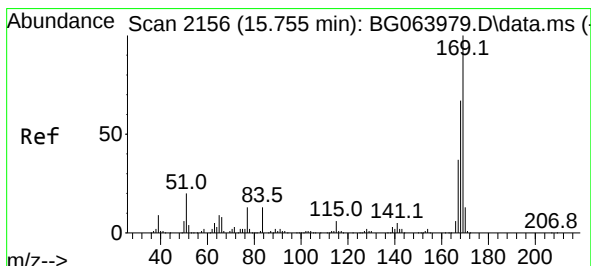
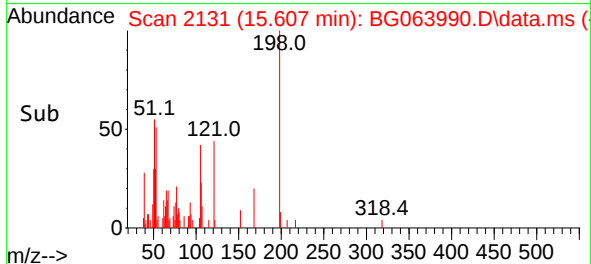
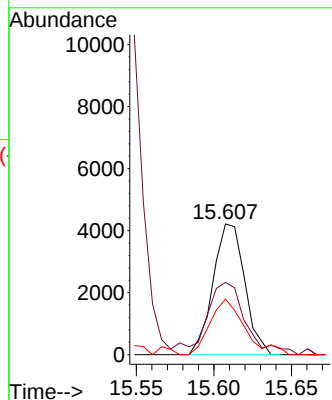
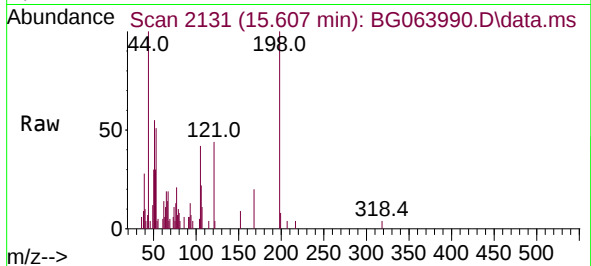




#65
4,6-Dinitro-2-methylphenol
Concen: 11.799 ng
RT: 15.607 min Scan# 2132
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

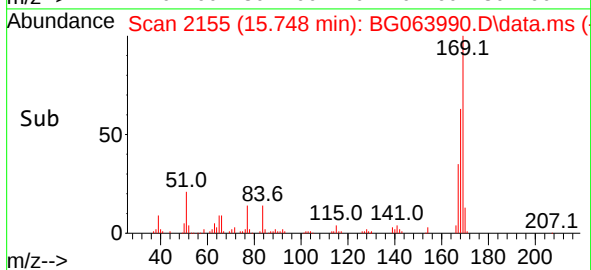
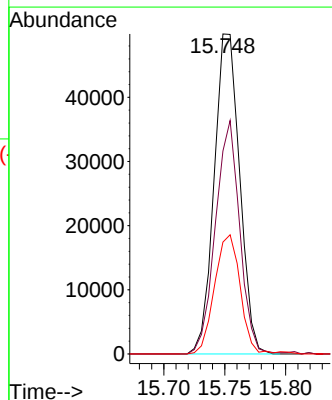
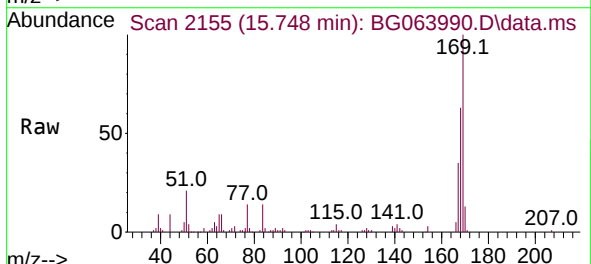
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

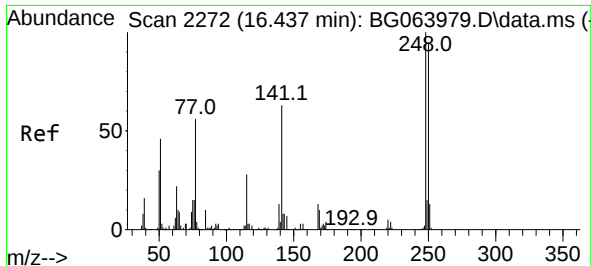
Tgt Ion:198 Resp: 5968
Ion Ratio Lower Upper
198 100
51 55.3 45.4 85.4
105 42.4 27.7 67.7



#66
n-Nitrosodiphenylamine
Concen: 6.390 ng
RT: 15.748 min Scan# 2155
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:169 Resp: 72614
Ion Ratio Lower Upper
169 100
168 63.4 53.5 80.3
167 34.9 30.0 45.0

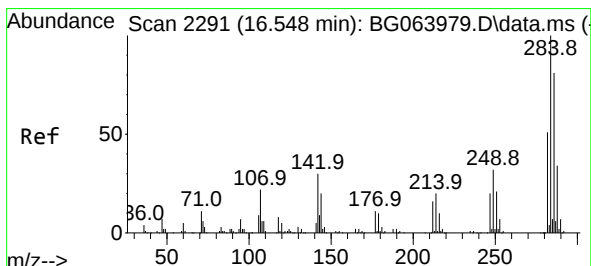
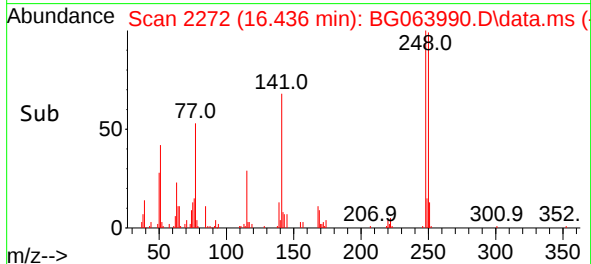
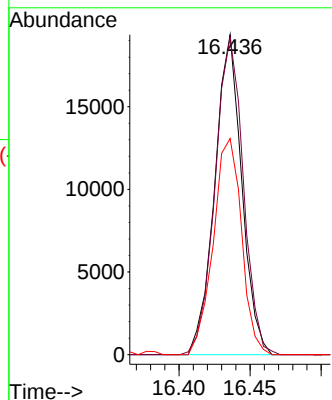
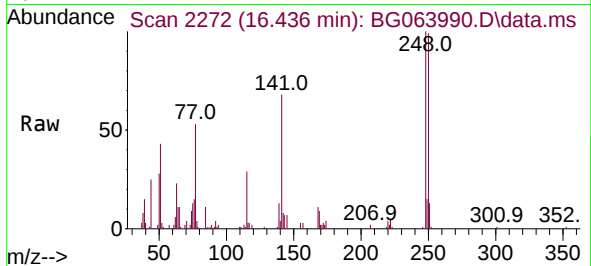




#67
4-Bromophenyl-phenylether
Concen: 6.266 ng
RT: 16.436 min Scan# 211
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

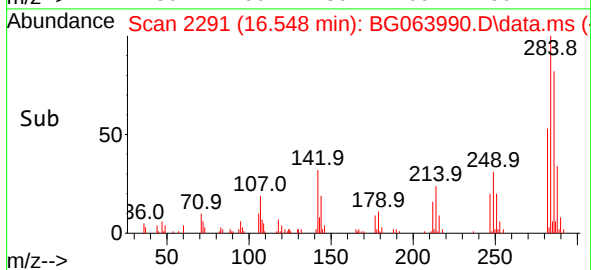
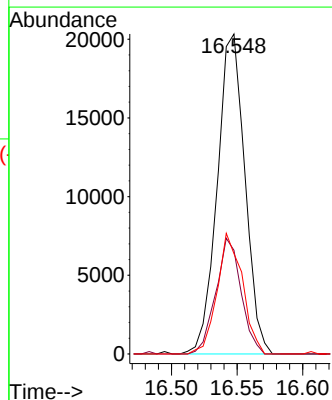
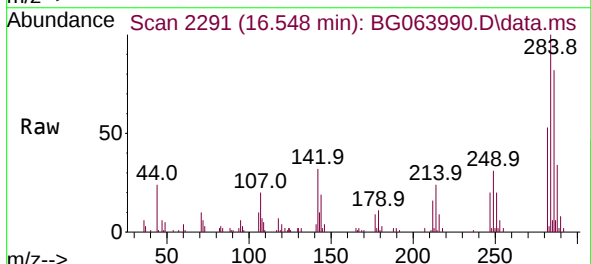
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

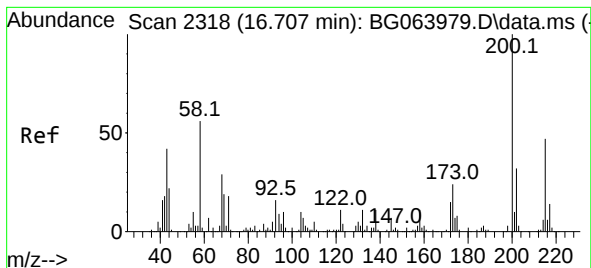
Tgt Ion:248 Resp: 25562
Ion Ratio Lower Upper
248 100
250 99.2 76.2 114.4
141 67.6 50.6 75.8



#68
Hexachlorobenzene
Concen: 6.217 ng
RT: 16.548 min Scan# 2291
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:284 Resp: 29817
Ion Ratio Lower Upper
284 100
142 32.4 23.8 35.8
249 31.4 25.9 38.9





#69

Atrazine

Concen: 6.778 ng

RT: 16.700 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

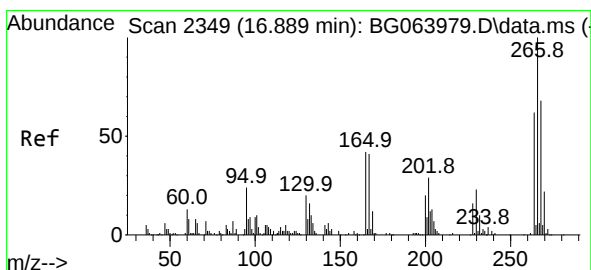
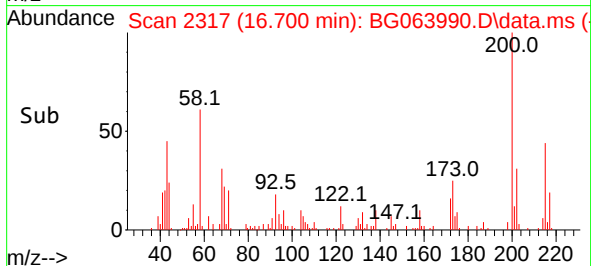
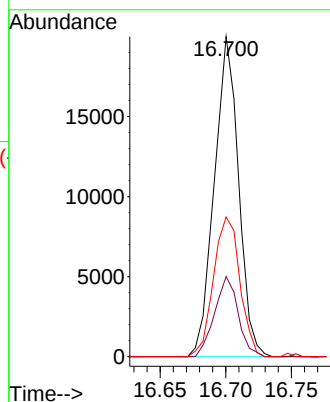
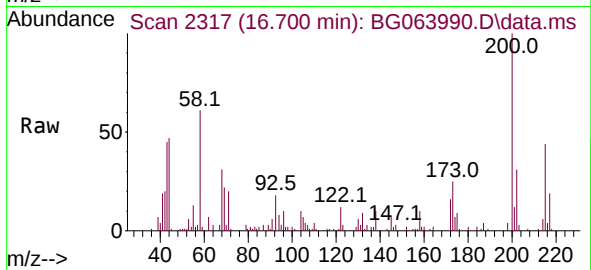
Tgt Ion:200 Resp: 25634

Ion Ratio Lower Upper

200 100

173 25.0 3.8 43.8

215 43.6 26.6 66.6



#70

Pentachlorophenol

Concen: 12.790 ng m

RT: 16.888 min Scan# 2349

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

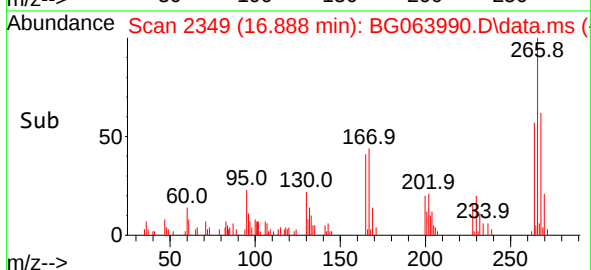
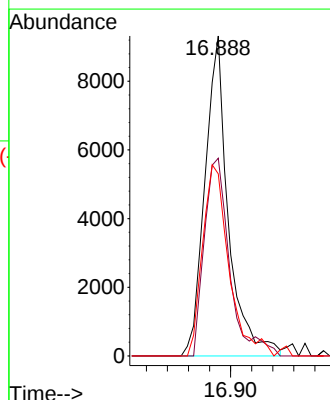
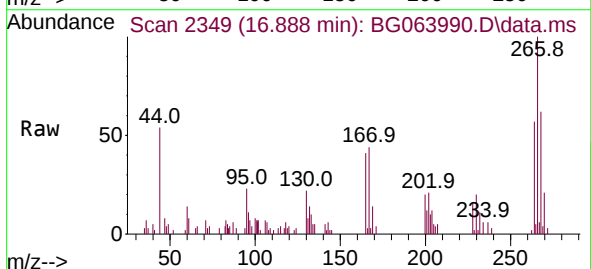
Tgt Ion:266 Resp: 14415

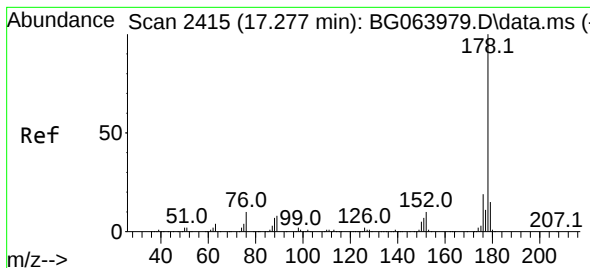
Ion Ratio Lower Upper

266 100

268 61.8 54.8 82.2

264 56.9 50.0 75.0





#71

Phenanthrene

Concen: 6.525 ng

RT: 17.276 min Scan# 2415

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

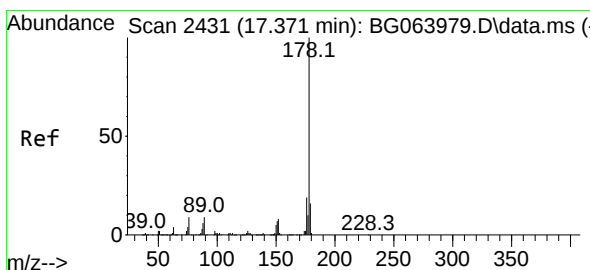
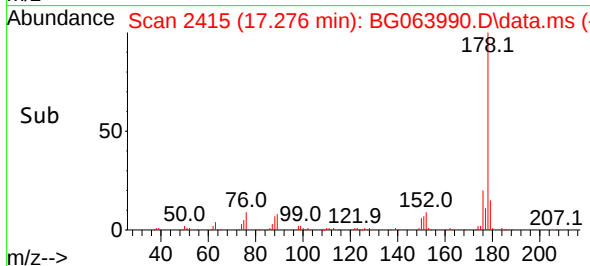
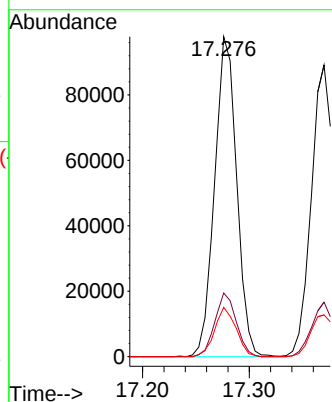
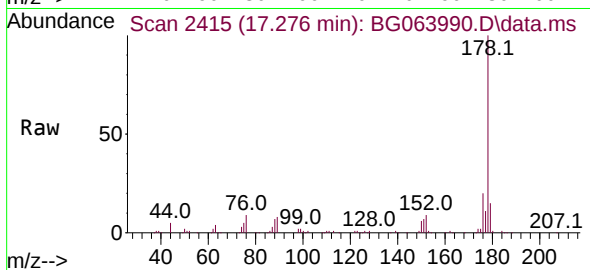
Tgt Ion:178 Resp: 140457

Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

179 15.4 12.2 18.4



#72

Anthracene

Concen: 6.180 ng

RT: 17.370 min Scan# 2431

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

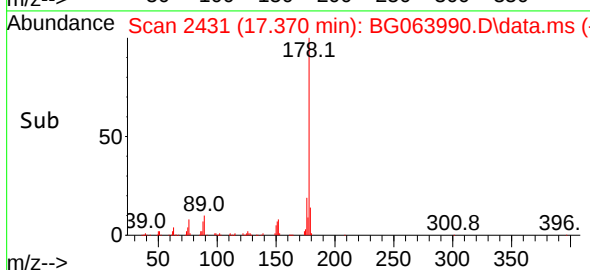
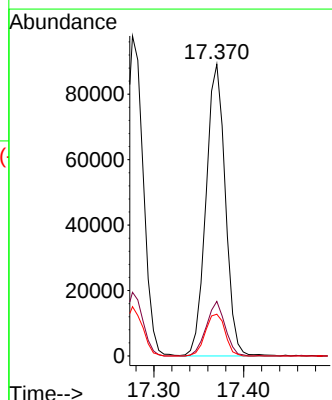
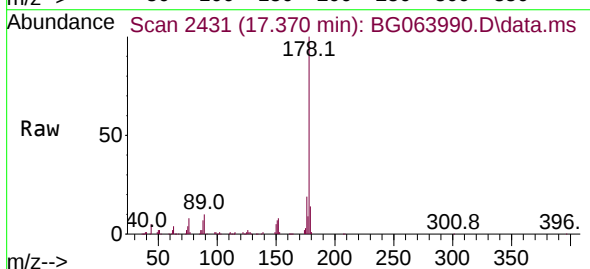
Tgt Ion:178 Resp: 133117

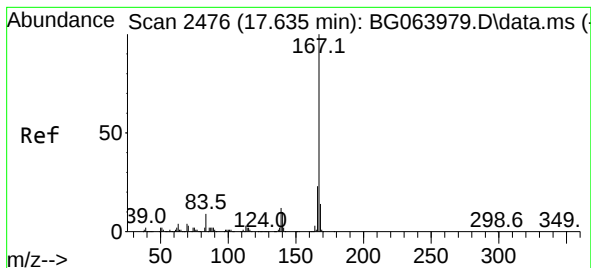
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 14.3 12.8 19.2





#73

Carbazole

Concen: 6.356 ng

RT: 17.634 min Scan# 2476

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

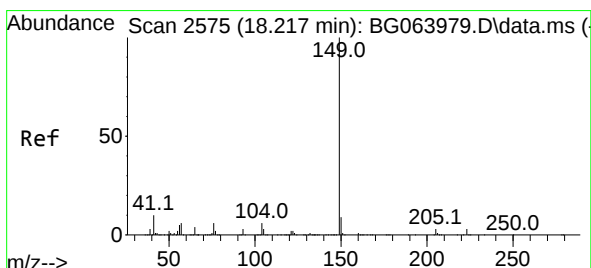
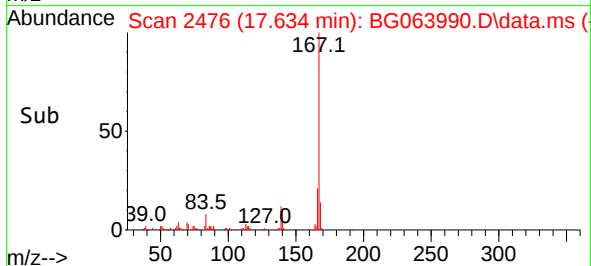
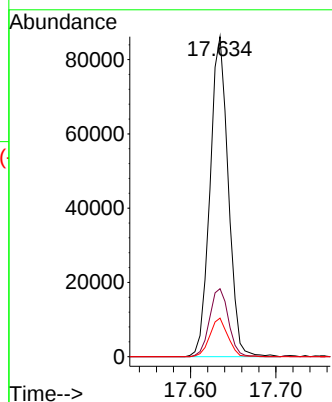
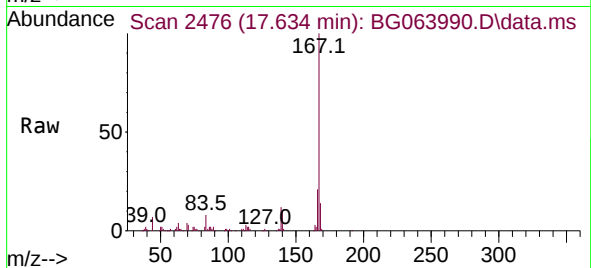
Tgt Ion:167 Resp: 128166

Ion Ratio Lower Upper

167 100

166 21.3 18.6 28.0

139 12.0 9.8 14.8



#74

Di-n-butylphthalate

Concen: 6.456 ng

RT: 18.216 min Scan# 2575

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

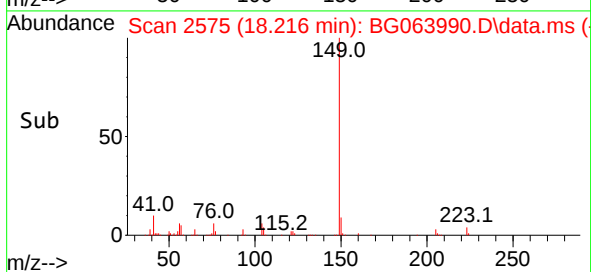
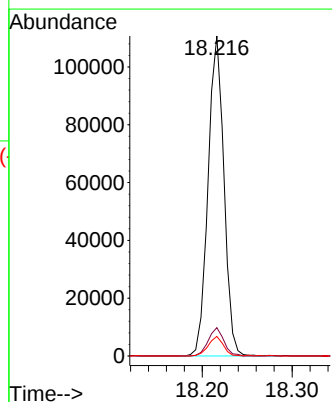
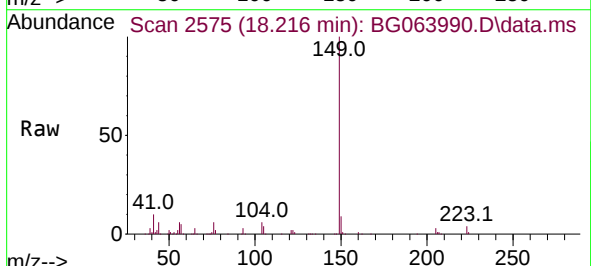
Tgt Ion:149 Resp: 135712

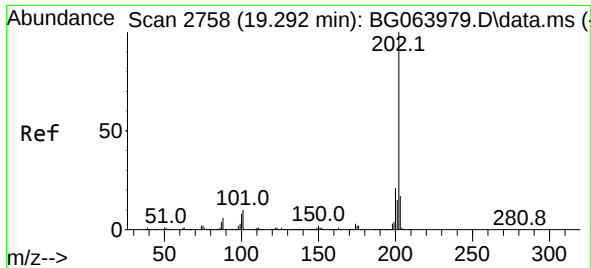
Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.0

104 6.1 4.6 6.8

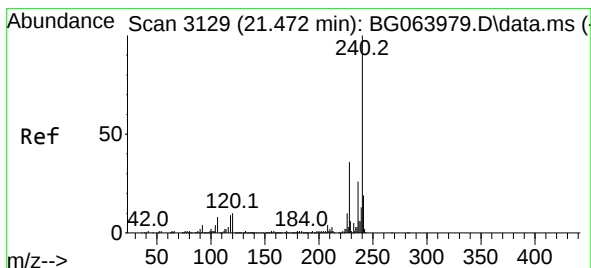
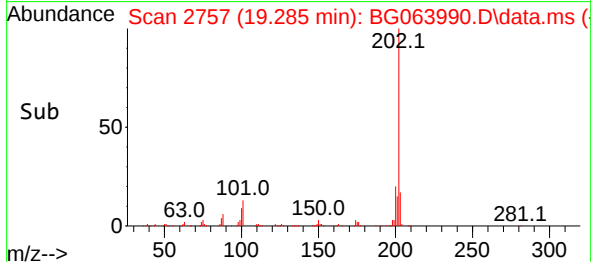
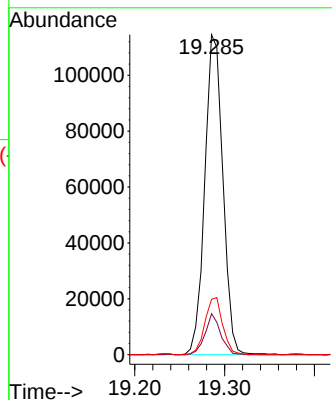
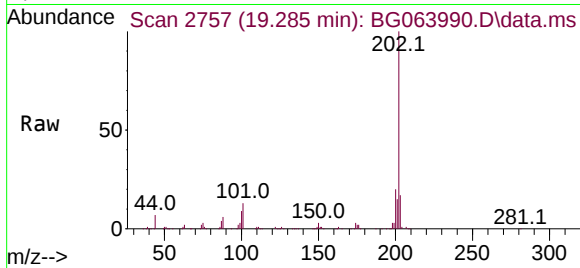




#75
Fluoranthene
Concen: 6.116 ng
RT: 19.285 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

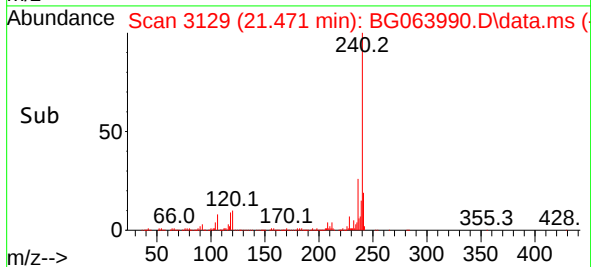
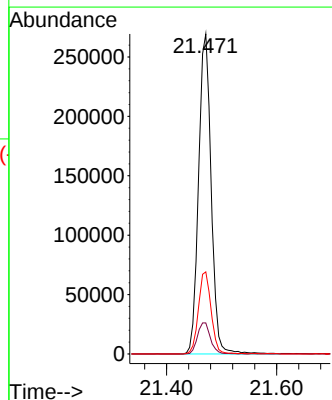
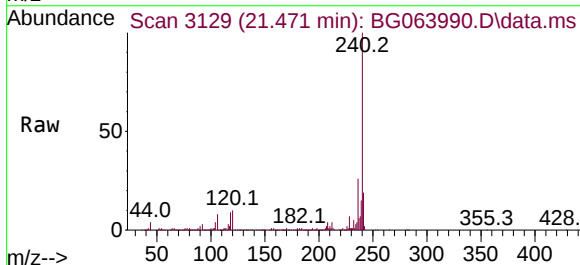
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

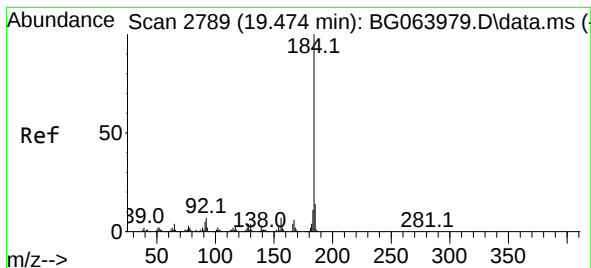
Tgt Ion:202 Resp: 160334
Ion Ratio Lower Upper
202 100
101 12.8 0.0 30.4
203 17.3 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.471 min Scan# 3129
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:240 Resp: 426990
Ion Ratio Lower Upper
240 100
120 9.7 7.9 11.9
236 25.6 21.0 31.6





#77

Benzidine

Concen: 7.501 ng

RT: 19.474 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

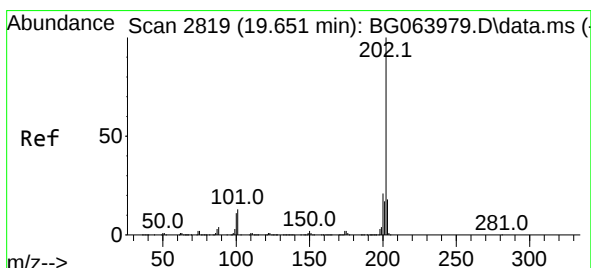
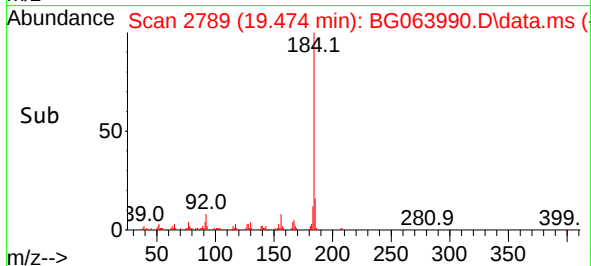
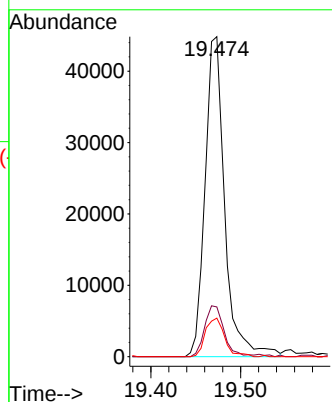
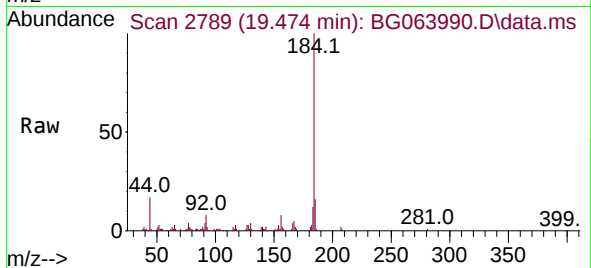
Tgt Ion:184 Resp: 68199

Ion Ratio Lower Upper

184 100

185 15.6 11.2 16.8

183 12.0 8.7 13.1



#78

Pyrene

Concen: 6.704 ng

RT: 19.650 min Scan# 2819

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

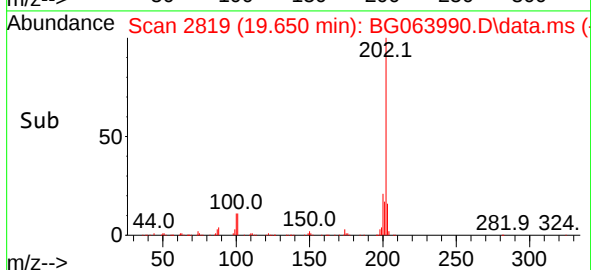
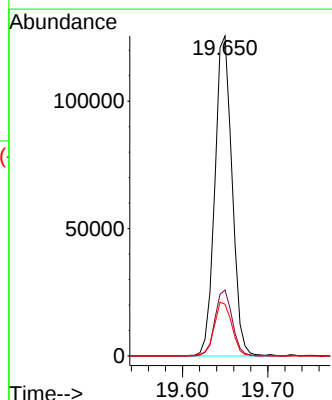
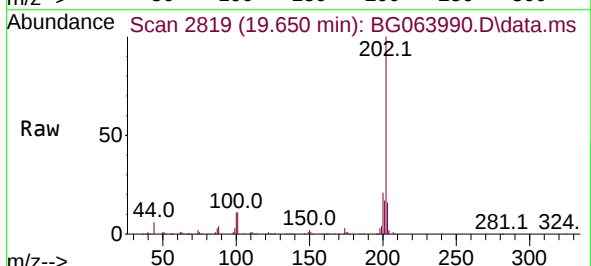
Tgt Ion:202 Resp: 176711

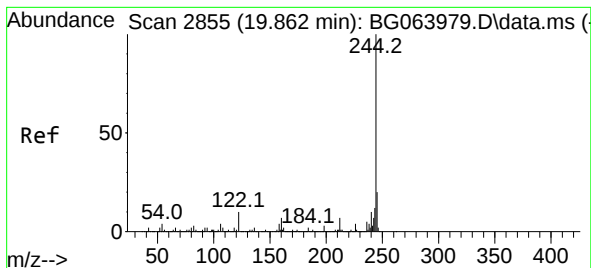
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

203 16.2 14.5 21.7





#79

Terphenyl-d14

Concen: 54.253 ng

RT: 19.861 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

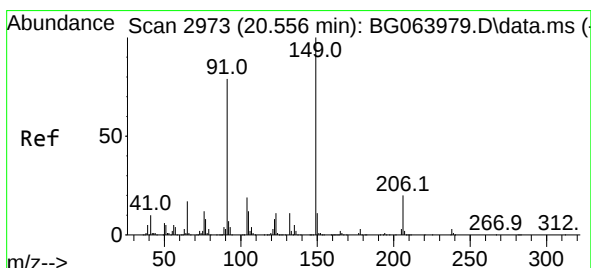
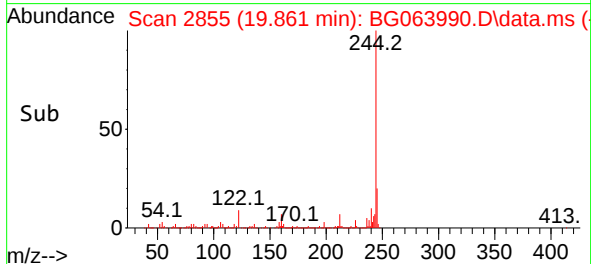
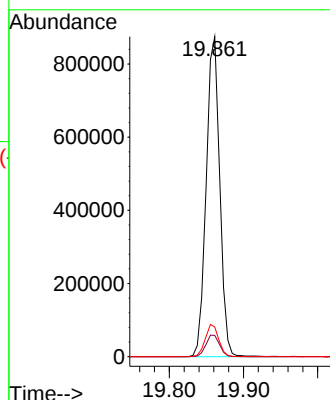
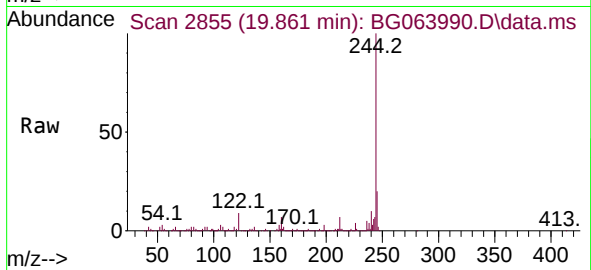
Tgt Ion:244 Resp: 1109205

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

122 9.3 7.7 11.5



#80

Butylbenzylphthalate

Concen: 10.101 ng

RT: 20.555 min Scan# 2973

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

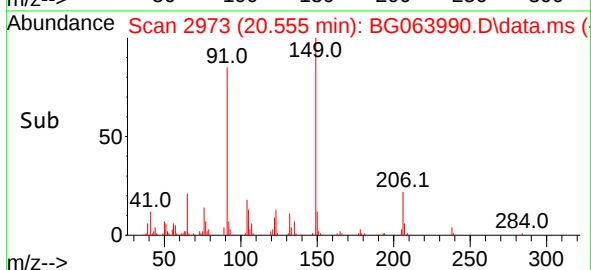
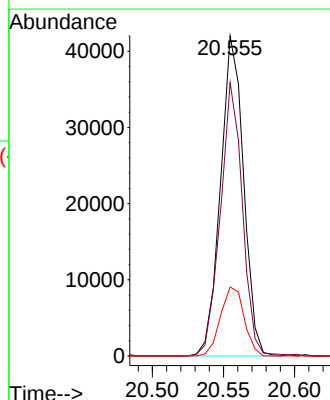
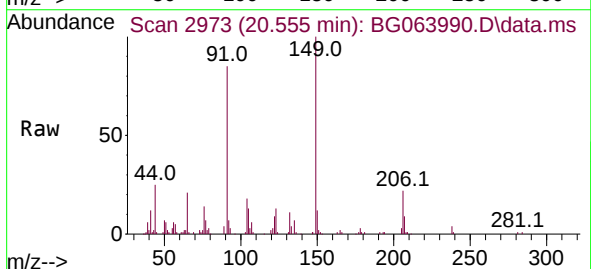
Tgt Ion:149 Resp: 47313

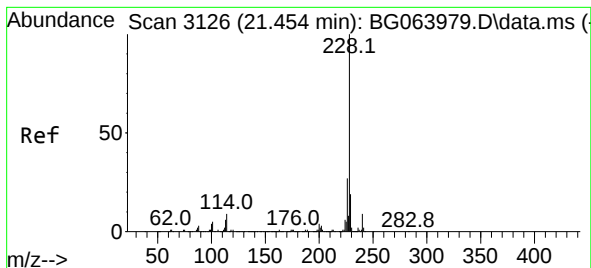
Ion Ratio Lower Upper

149 100

91 85.4 63.0 94.6

206 21.6 15.8 23.6





#81

Benzo(a)anthracene

Concen: 6.626 ng

RT: 21.454 min Scan# 3126

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

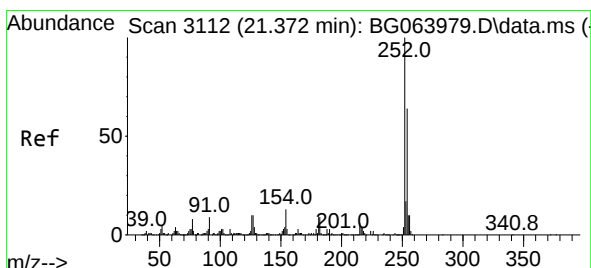
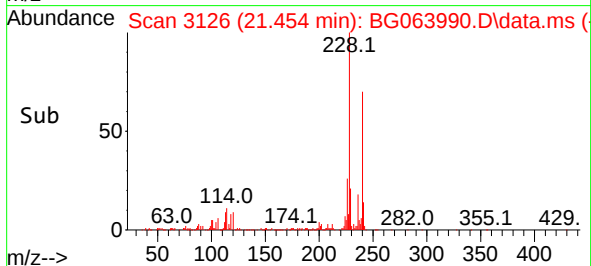
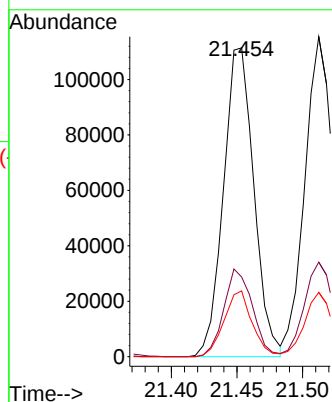
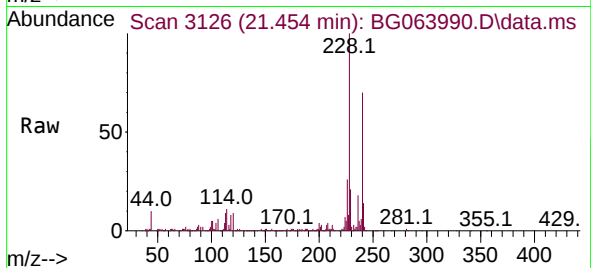
Tgt Ion:228 Resp: 179623

Ion Ratio Lower Upper

228 100

226 25.8 21.8 32.6

229 21.3 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 6.557 ng

RT: 21.371 min Scan# 3112

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

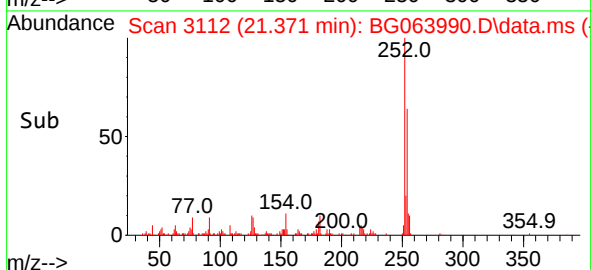
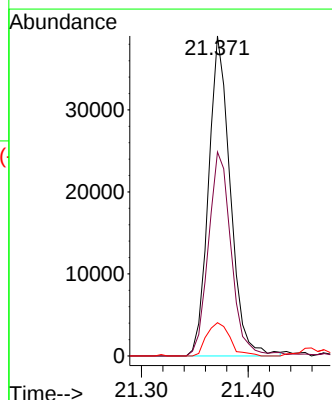
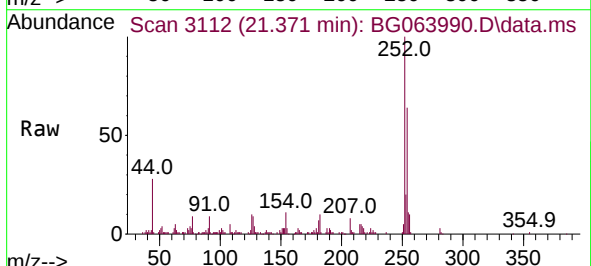
Tgt Ion:252 Resp: 55360

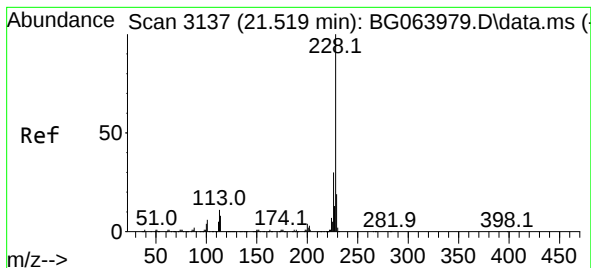
Ion Ratio Lower Upper

252 100

254 63.8 50.8 76.2

126 10.4 8.2 12.2





#83

Chrysene

Concen: 6.613 ng

RT: 21.512 min Scan# 3136

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

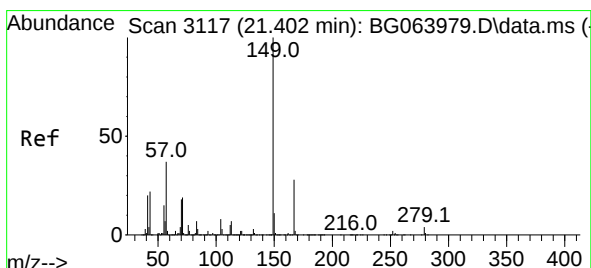
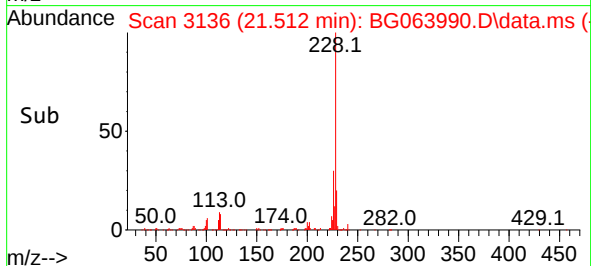
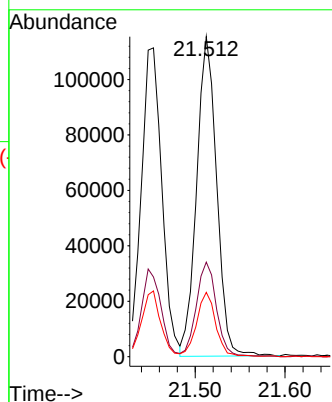
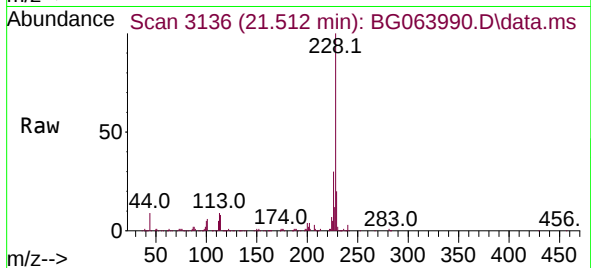
Tgt Ion:228 Resp: 178414

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.2

229 20.1 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.612 ng

RT: 21.395 min Scan# 3116

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

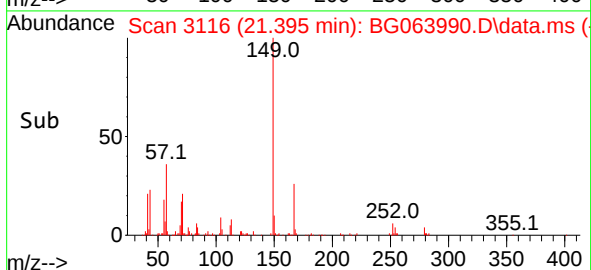
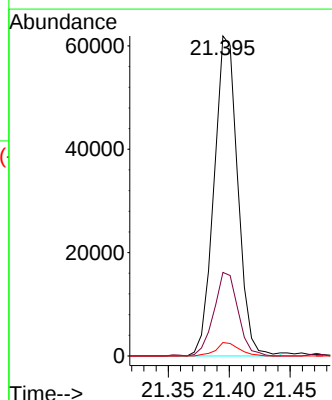
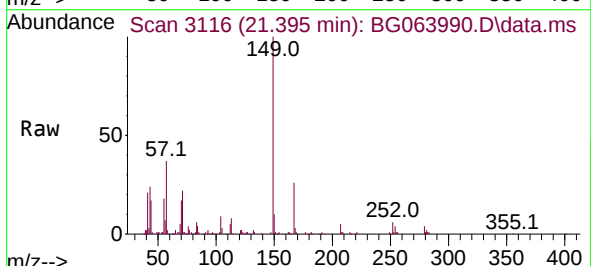
Tgt Ion:149 Resp: 83723

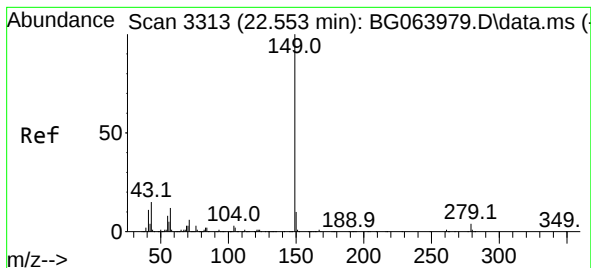
Ion Ratio Lower Upper

149 100

167 26.1 22.5 33.7

279 4.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 11.695 ng

RT: 22.552 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

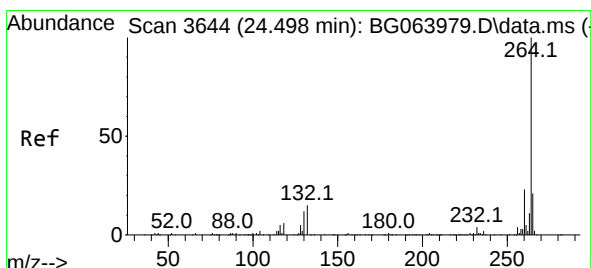
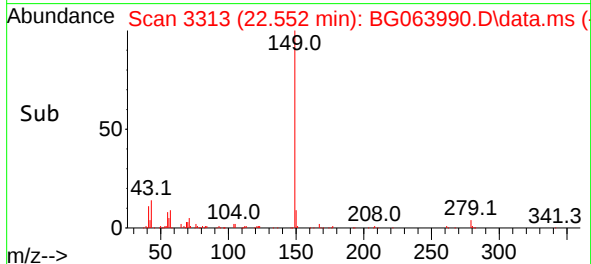
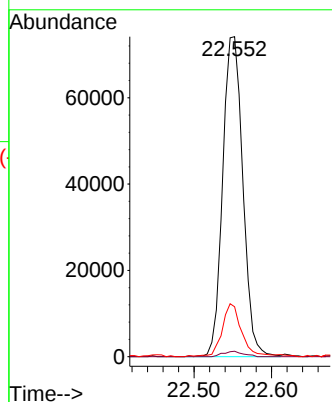
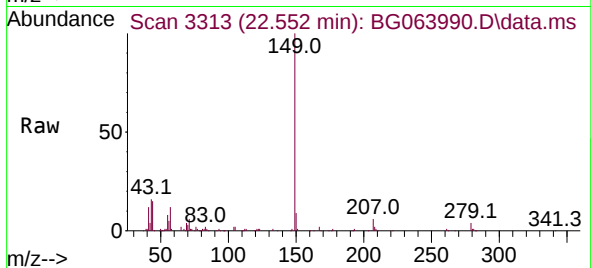
Tgt Ion:149 Resp: 134244

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 16.4 12.3 18.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.491 min Scan# 3643

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

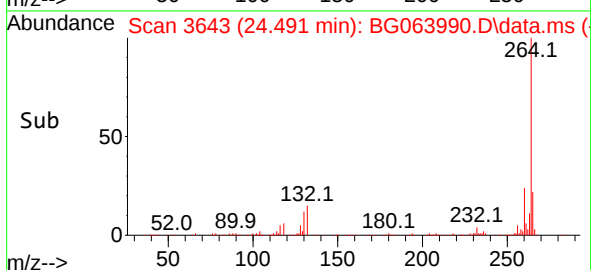
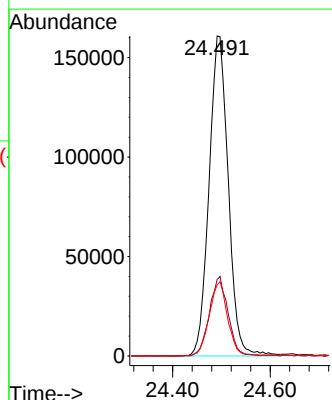
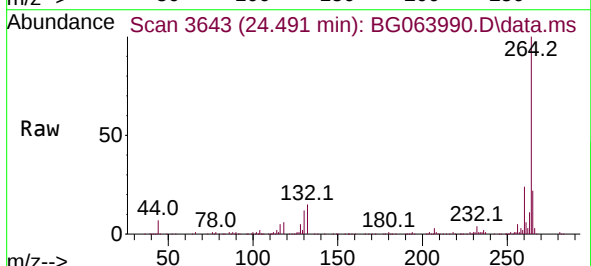
Tgt Ion:264 Resp: 439415

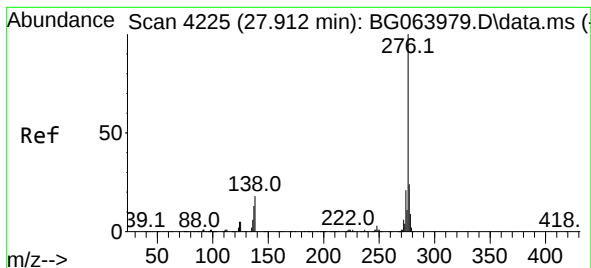
Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 22.2 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.814 ng

RT: 27.899 min Scan# 41

Delta R.T. -0.013 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

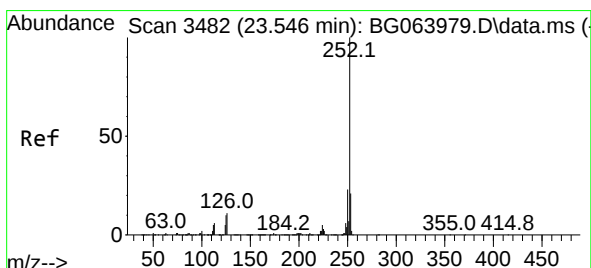
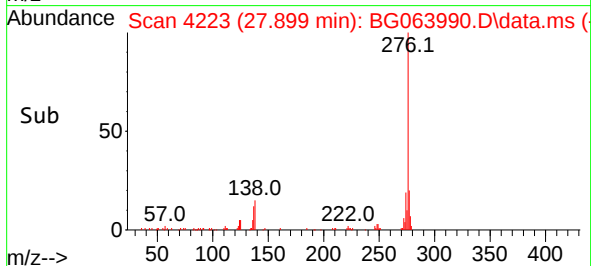
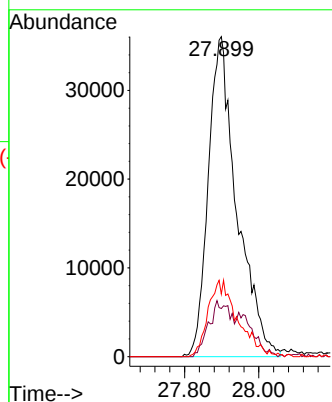
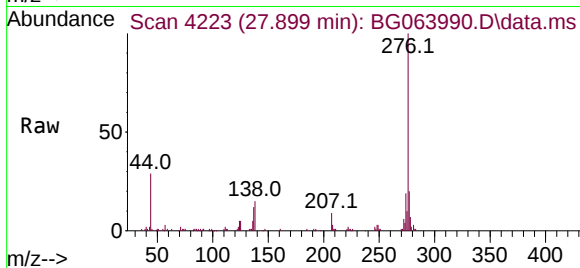
Tgt Ion:276 Resp: 193164

Ion Ratio Lower Upper

276 100

138 7.9 10.7 16.1#

277 24.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 6.306 ng

RT: 23.539 min Scan# 3481

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

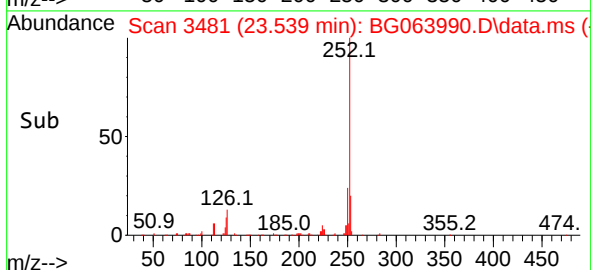
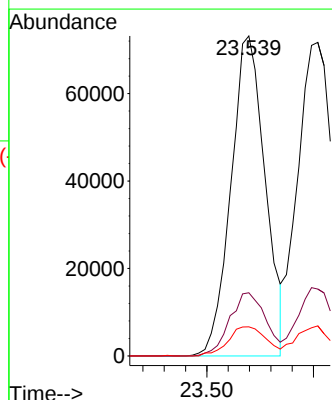
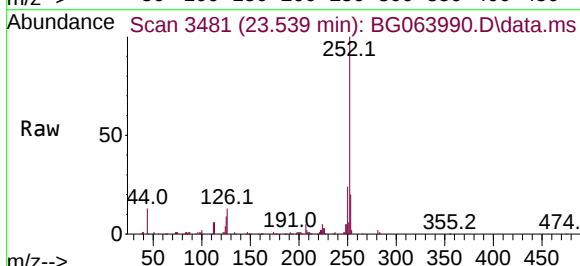
Tgt Ion:252 Resp: 163173

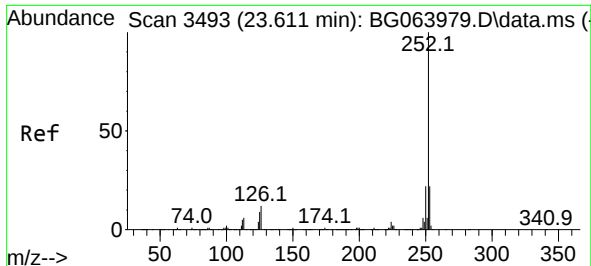
Ion Ratio Lower Upper

252 100

253 19.7 16.9 25.3

125 9.1 7.9 11.9

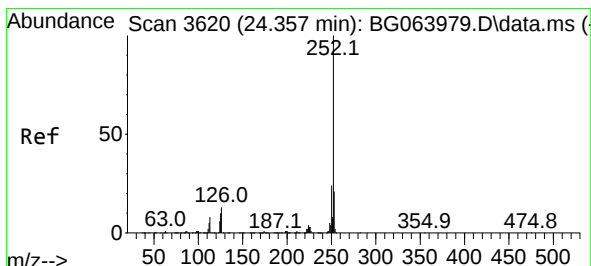
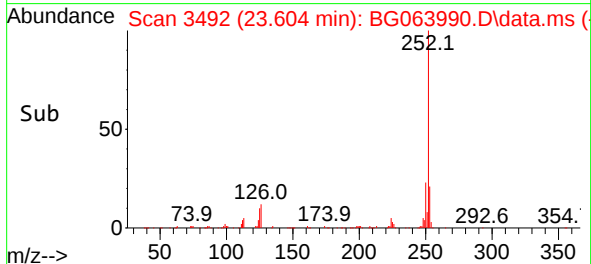
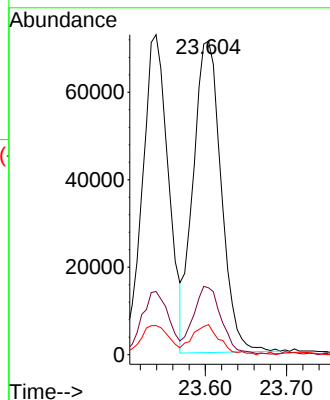
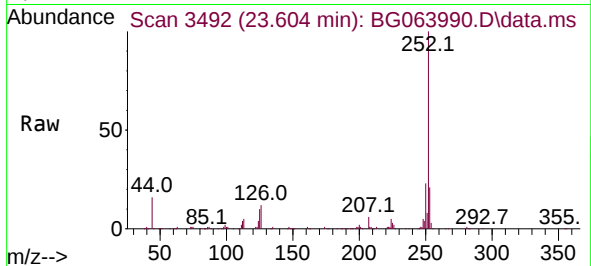




#89
Benzo(k)fluoranthene
Concen: 6.427 ng
RT: 23.604 min Scan# 3493
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

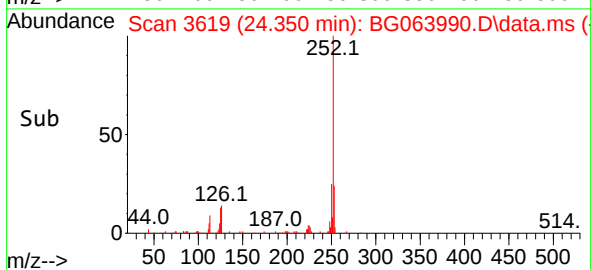
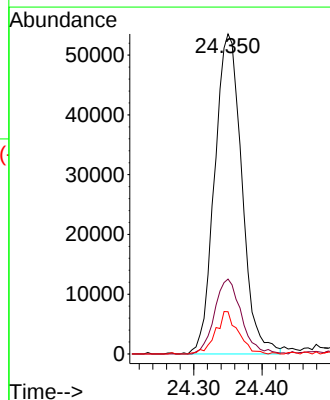
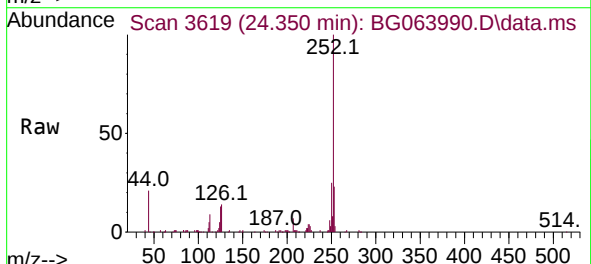
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

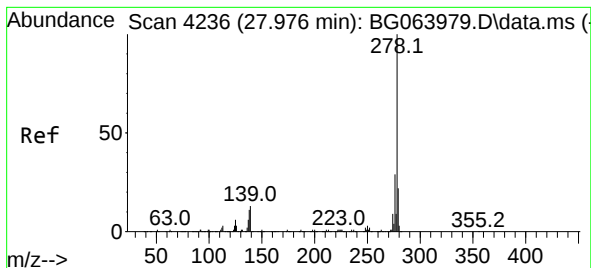
Tgt Ion:252 Resp: 170748
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 9.6 7.5 11.3



#90
Benzo(a)pyrene
Concen: 6.432 ng
RT: 24.350 min Scan# 3619
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 14:29

Tgt Ion:252 Resp: 148544
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 13.2 7.9 11.9#





#91

Dibenzo(a,h)anthracene

Concen: 6.367 ng

RT: 27.952 min Scan# 41

Delta R.T. -0.024 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

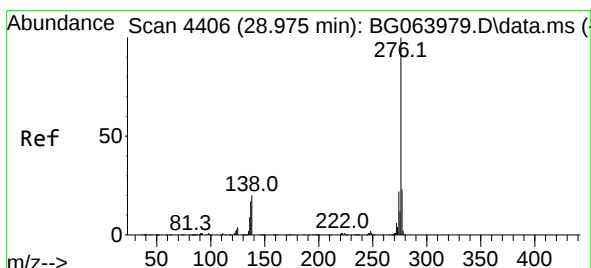
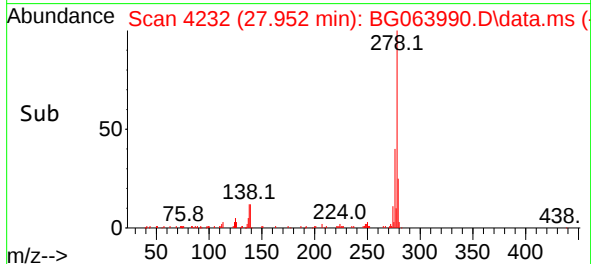
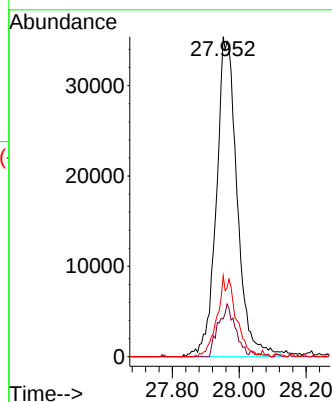
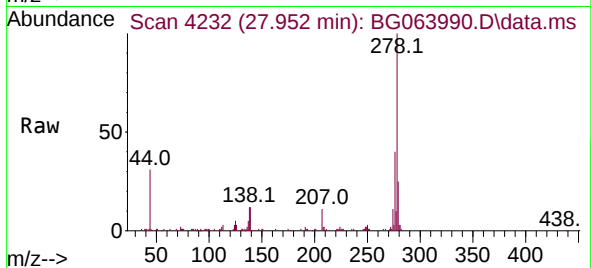
Tgt Ion:278 Resp: 152417

Ion Ratio Lower Upper

278 100

139 11.8 10.8 16.2

279 25.3 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 6.181 ng

RT: 28.951 min Scan# 4402

Delta R.T. -0.024 min

Lab File: BG063990.D

Acq: 4 Feb 2025 14:29

Tgt Ion:276 Resp: 149367

Ion Ratio Lower Upper

276 100

277 23.1 18.2 27.4

138 21.0 15.8 23.6

