

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011025\
 Data File : BG063947.D
 Acq On : 10 Jan 2025 12:07
 Operator : RC/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 10 12:39:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 23:17:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	140680	20.000	ng	-0.03
21) Naphthalene-d8	10.559	136	530151	20.000	ng	-0.02
39) Acenaphthene-d10	14.413	164	367140	20.000	ng	-0.03
64) Phenanthrene-d10	17.175	188	868342	20.000	ng	-0.02
76) Chrysene-d12	21.428	240	852810	20.000	ng	#-0.03
86) Perylene-d12	24.437	264	907391	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.359	112	876741	99.296	ng	-0.03
7) Phenol-d6	6.957	99	1272084	99.587	ng	-0.03
23) Nitrobenzene-d5	8.925	82	959930	71.325	ng	-0.03
42) 2,4,6-Tribromophenol	15.917	330	414743	93.680	ng	-0.02
45) 2-Fluorobiphenyl	13.032	172	1835381	72.423	ng	-0.02
79) Terphenyl-d14	19.813	244	2846667	66.277	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.262	88	28674	6.177	ng	95
3) Pyridine	3.655	79	61813	4.943	ng	# 88
4) n-Nitrosodimethylamine	3.573	42	23720	4.963	ng	# 66
6) Aniline	7.098	93	82302	7.417	ng	97
8) 2-Chlorophenol	7.339	128	51089	5.951	ng	96
9) Benzaldehyde	6.910	77	62344	7.643	ng	97
10) Phenol	6.981	94	79204	5.955	ng	96
11) bis(2-Chloroethyl)ether	7.192	93	63702	6.109	ng	97
12) 1,3-Dichlorobenzene	7.656	146	61507	5.944	ng	93
13) 1,4-Dichlorobenzene	7.803	146	61818	5.977	ng	94
14) 1,2-Dichlorobenzene	8.121	146	60178	5.912	ng	91
15) Benzyl Alcohol	8.009	79	48810	5.325	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.285	45	88999	5.929	ng	97
17) 2-Methylphenol	8.220	107	46433	5.379	ng	96
18) Hexachloroethane	8.843	117	23099	5.758	ng	88
19) n-Nitroso-di-n-propyla...	8.573	70	48704	5.221	ng	96
20) 3+4-Methylphenols	8.549	107	57132	4.920	ng	89
22) Acetophenone	8.585	105	96765	6.079	ng	# 98
24) Nitrobenzene	8.967	77	80856	5.595	ng	93
25) Isophorone	9.484	82	132425	5.583	ng	# 96
26) 2-Nitrophenol	9.678	139	23271	5.075	ng	# 84
27) 2,4-Dimethylphenol	9.742	122	24371	4.168	ng	96
28) bis(2-Chloroethoxy)met...	9.971	93	79702	5.635	ng	91
29) 2,4-Dichlorophenol	10.230	162	45650	5.225	ng	98
30) 1,2,4-Trichlorobenzene	10.424	180	61711	5.840	ng	97
31) Naphthalene	10.606	128	171278	5.959	ng	99
32) Benzoic acid	9.965	122	2796	0.715	ng	# 70
33) 4-Chloroaniline	10.723	127	58801	6.302	ng	96
34) Hexachlorobutadiene	10.894	225	39321	5.429	ng	95
35) Caprolactam	11.470	113	15752	5.460	ng	97
36) 4-Chloro-3-methylphenol	11.869	107	51978	5.360	ng	92
37) 2-Methylnaphthalene	12.222	142	119321	5.909	ng	88
38) 1-Methylnaphthalene	12.445	142	111444	5.549	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	76883	6.242	ng	99
41) Hexachlorocyclopentadiene	12.580	237	760	11.750	ng	78
43) 2,4,6-Trichlorophenol	12.850	196	38223	5.268	ng	93

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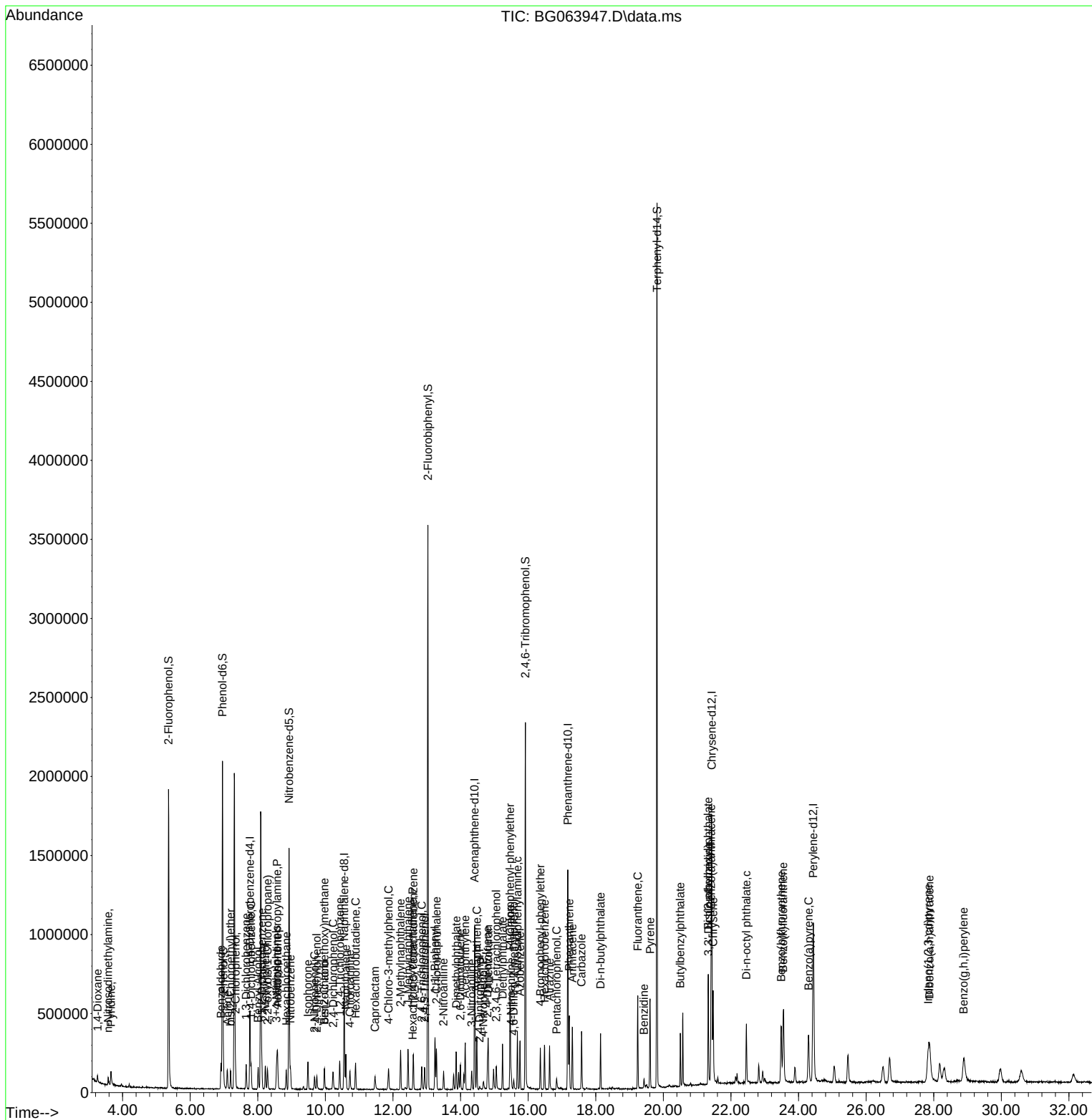
Quant Time: Jan 10 12:39:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010325.M
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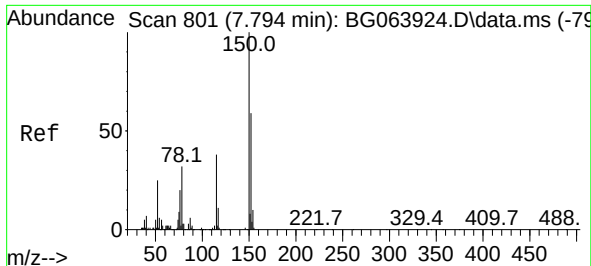
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	40077	4.922	ng	97
46) 1,1'-Biphenyl	13.244	154	172149	6.424	ng	94
47) 2-Chloronaphthalene	13.285	162	128532	5.834	ng	95
48) 2-Nitroaniline	13.497	65	34668	4.703	ng	88
49) Acenaphthylene	14.137	152	209720	6.425	ng	98
50) Dimethylphthalate	13.873	163	153594	5.728	ng	# 96
51) 2,6-Dinitrotoluene	13.996	165	31122	5.210	ng	93
52) Acenaphthene	14.484	154	116519	5.838	ng	100
53) 3-Nitroaniline	14.331	138	28298	5.164	ng	# 98
54) 2,4-Dinitrophenol	14.560	184	3413	8.942	ng	91
55) Dibenzofuran	14.819	168	205783	5.940	ng	95
56) 4-Nitrophenol	14.678	139	14014	3.730	ng	# 83
57) 2,4-Dinitrotoluene	14.795	165	39676	4.732	ng	# 100
58) Fluorene	15.471	166	160980	5.981	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.054	232	37085	5.161	ng	# 99
60) Diethylphthalate	15.242	149	146762	5.552	ng	99
61) 4-Chlorophenyl-phenyle...	15.465	204	86020	5.894	ng	98
62) 4-Nitroaniline	15.494	138	27674	4.858	ng	# 82
63) Azobenzene	15.759	77	195408	5.844	ng	96
65) 4,6-Dinitro-2-methylph...	15.571	198	14586	3.222	ng	77
66) n-Nitrosodiphenylamine	15.682	169	132773	5.871	ng	98
67) 4-Bromophenyl-phenylether	16.364	248	54236	5.650	ng	98
68) Hexachlorobenzene	16.487	284	59837	5.460	ng	97
69) Atrazine	16.634	200	51066	7.044	ng	97
70) Pentachlorophenol	16.840	266	16795	3.694	ng	# 88
71) Phenanthrene	17.216	178	279044	6.178	ng	99
72) Anthracene	17.310	178	260816	5.932	ng	97
73) Carbazole	17.580	167	242383	5.969	ng	99
74) Di-n-butylphthalate	18.144	149	249449	5.513	ng	99
75) Fluoranthene	19.243	202	347686	6.100	ng	99
77) Benzidine	19.425	184	44699	3.746	ng	95
78) Pyrene	19.607	202	354895	6.067	ng	97
80) Butylbenzylphthalate	20.500	149	90306	5.004	ng	98
81) Benzo(a)anthracene	21.411	228	351189	6.156	ng	98
82) 3,3'-Dichlorobenzidine	21.334	252	97025	5.475	ng	# 96
83) Chrysene	21.475	228	350176	6.322	ng	97
84) Bis(2-ethylhexyl)phtha...	21.329	149	164115	5.947	ng	94
85) Di-n-octyl phthalate	22.457	149	272021	5.658	ng	98
87) Indeno(1,2,3-cd)pyrene	27.839	276	396041	6.285	ng	# 72
88) Benzo(b)fluoranthene	23.491	252	333022	5.871	ng	99
89) Benzo(k)fluoranthene	23.544	252	362064	6.361	ng	97
90) Benzo(a)pyrene	24.296	252	325070	6.452	ng	# 97
91) Dibenzo(a,h)anthracene	27.874	278	325687	6.245	ng	98
92) Benzo(g,h,i)perylene	28.884	276	326904	6.094	ng	98

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

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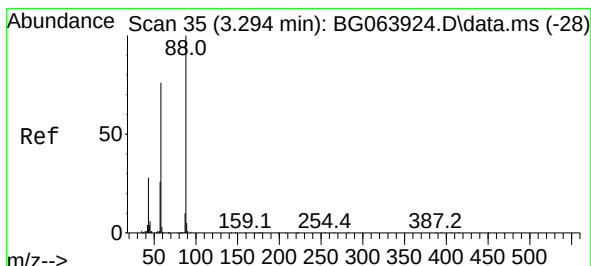
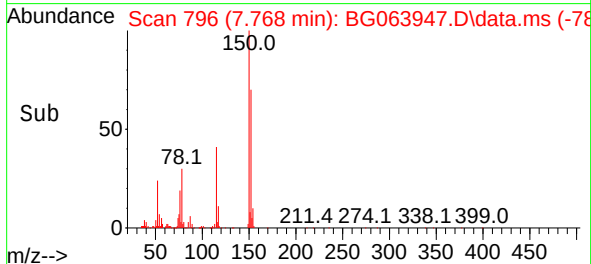
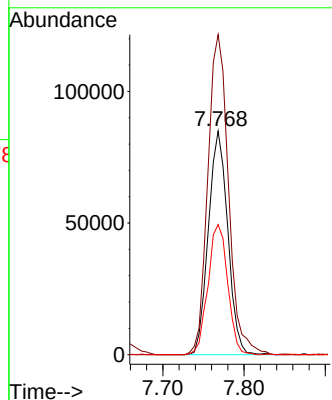
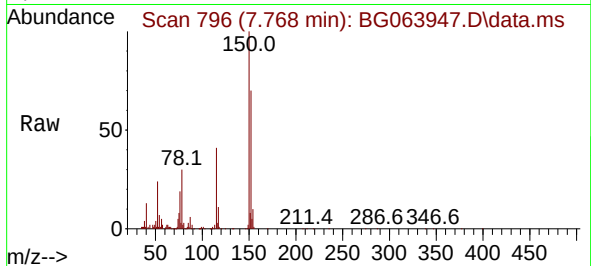




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.768 min Scan# 7
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

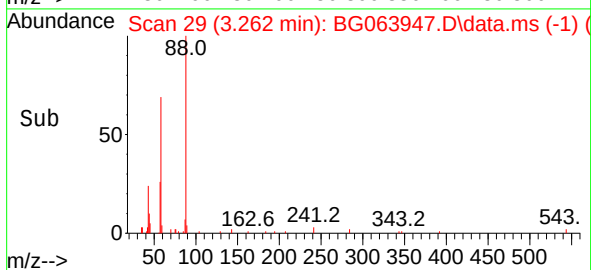
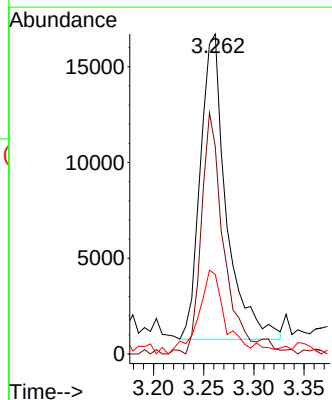
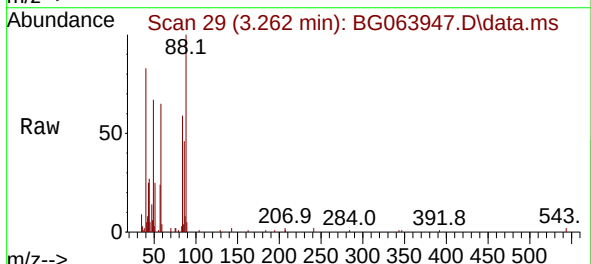
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

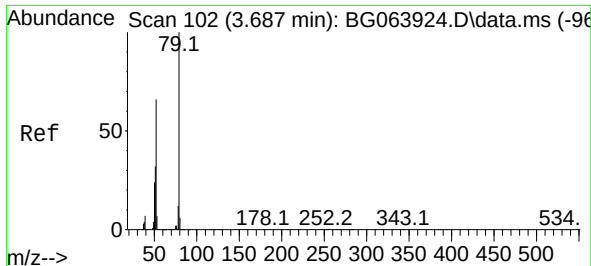
Tgt Ion:152 Resp: 140680
Ion Ratio Lower Upper
152 100
150 143.0 135.5 203.3
115 58.2 51.8 77.8



#2
1,4-Dioxane
Concen: 6.177 ng
RT: 3.262 min Scan# 29
Delta R.T. -0.032 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion: 88 Resp: 28674
Ion Ratio Lower Upper
88 100
58 67.6 58.4 87.6
43 27.6 22.1 33.1

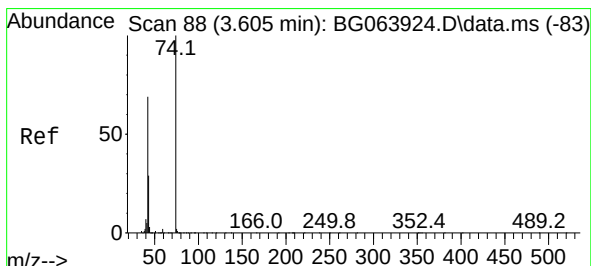
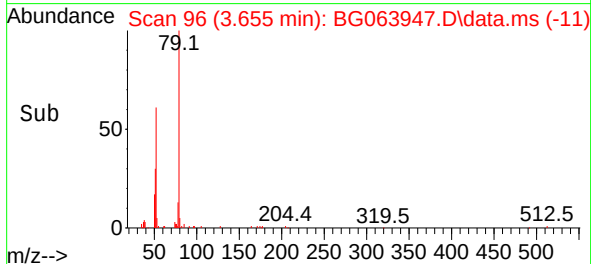
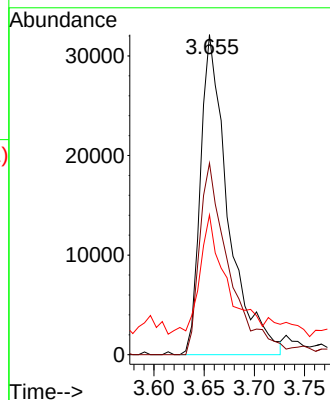
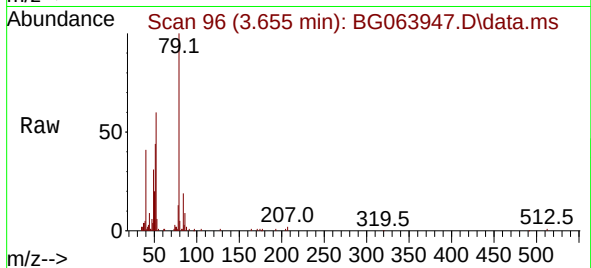




#3
Pyridine
Concen: 4.943 ng
RT: 3.655 min Scan# 90
Delta R.T. -0.032 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

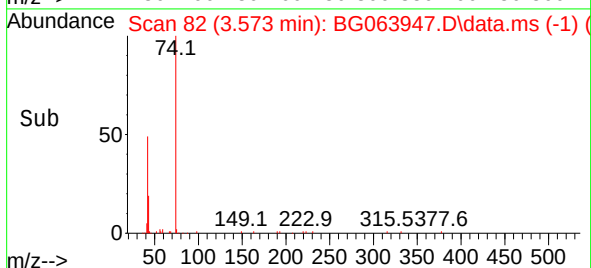
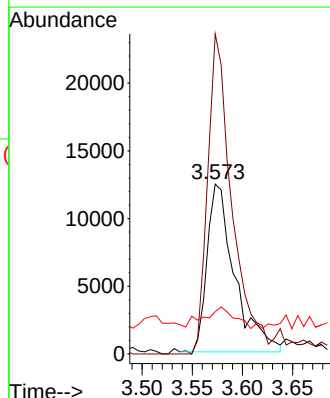
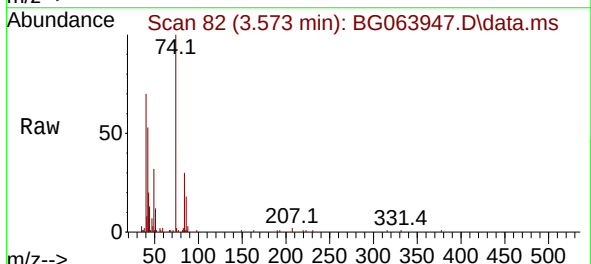
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

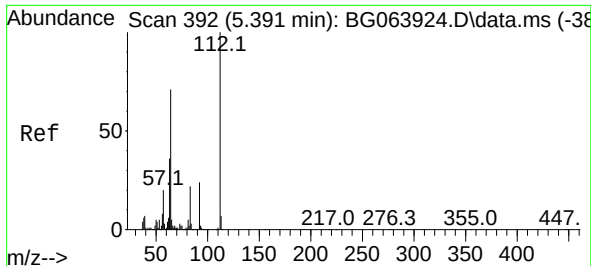
Tgt Ion: 79 Resp: 61813
Ion Ratio Lower Upper
79 100
52 59.8 53.1 79.7
51 43.7 26.2 39.4#



#4
n-Nitrosodimethylamine
Concen: 4.963 ng
RT: 3.573 min Scan# 82
Delta R.T. -0.032 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion: 42 Resp: 23720
Ion Ratio Lower Upper
42 100
74 188.4 116.6 175.0#
44 24.8 10.4 15.6#

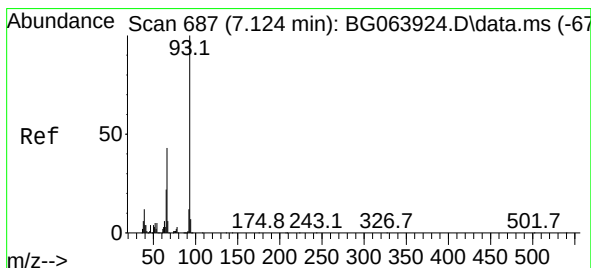
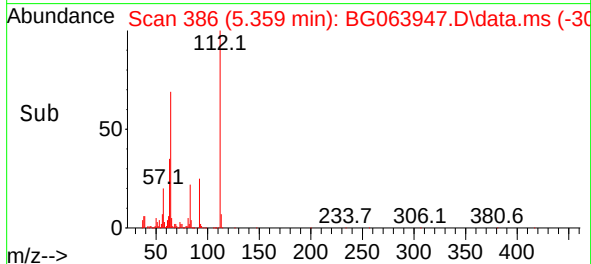
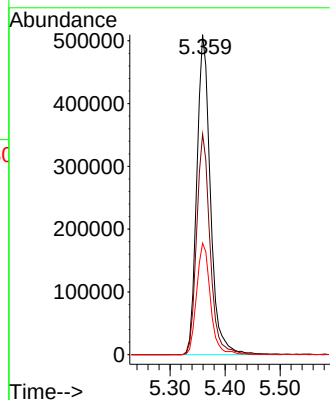
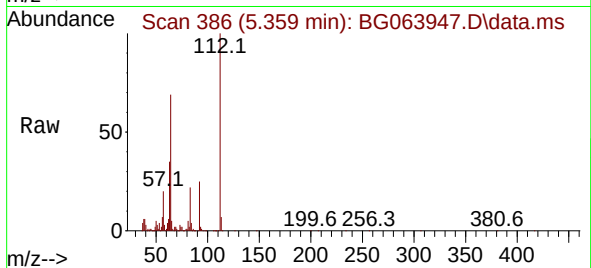




#5
2-Fluorophenol
Concen: 99.296 ng
RT: 5.359 min Scan# 30
Delta R.T. -0.032 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

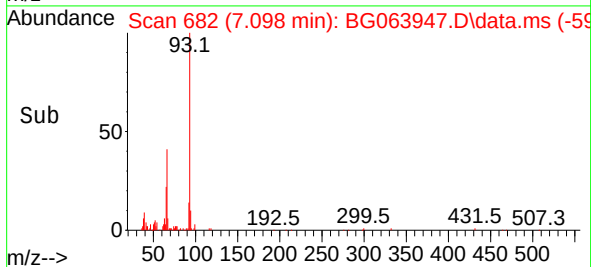
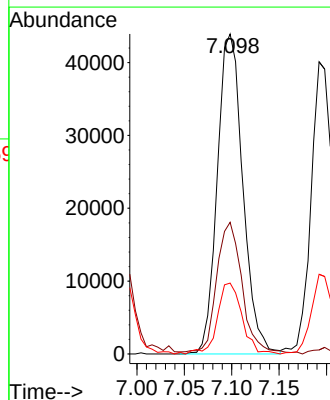
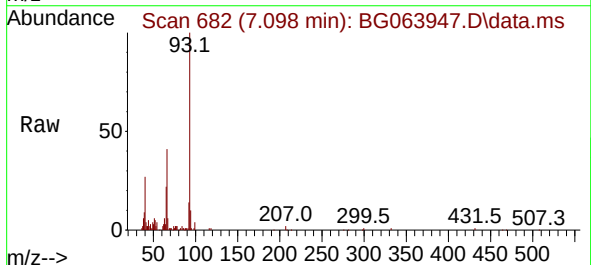
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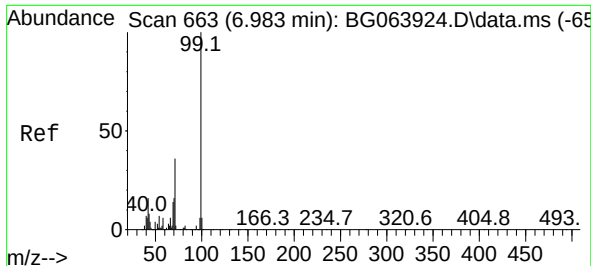
Tgt Ion:112 Resp: 876741
Ion Ratio Lower Upper
112 100
64 69.0 56.6 85.0
63 34.9 29.2 43.8



#6
Aniline
Concen: 7.417 ng
RT: 7.098 min Scan# 682
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion: 93 Resp: 82302
Ion Ratio Lower Upper
93 100
66 41.1 35.0 52.4
65 22.1 17.8 26.8

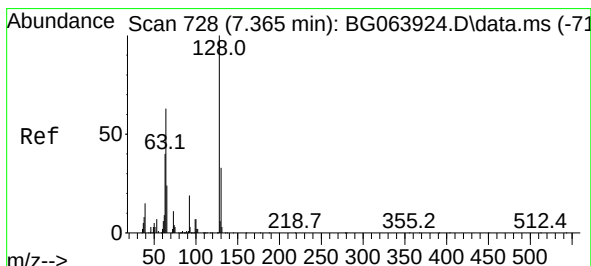
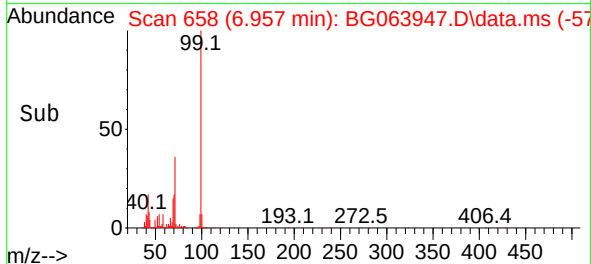
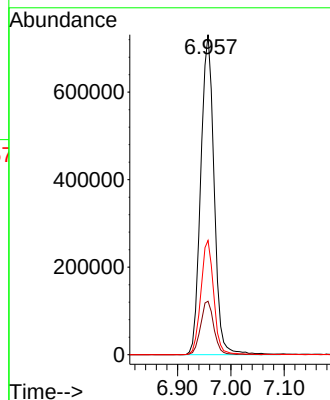
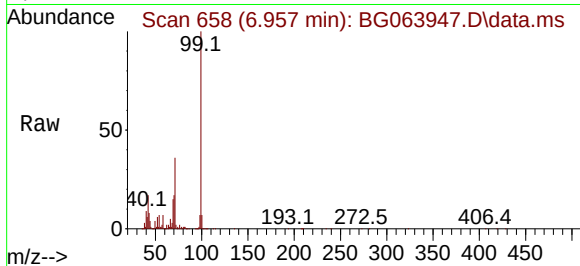




#7
Phenol-d6
Concen: 99.587 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

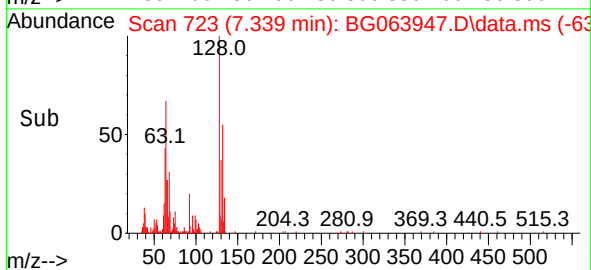
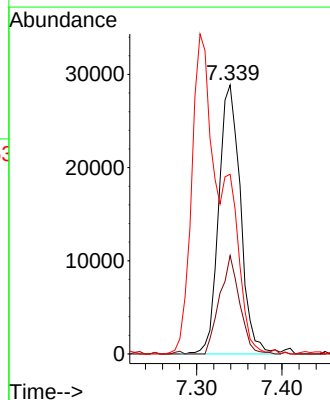
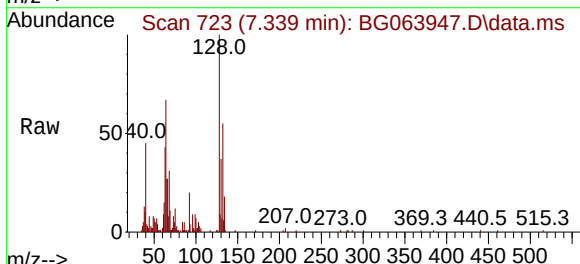
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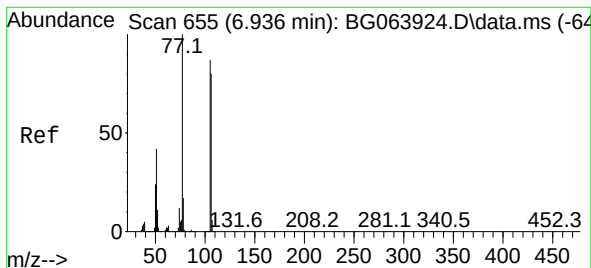
Tgt Ion: 99 Resp: 1272084
Ion Ratio Lower Upper
99 100
42 16.7 13.0 19.6
71 35.7 28.5 42.7



#8
2-Chlorophenol
Concen: 5.951 ng
RT: 7.339 min Scan# 723
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion: 128 Resp: 51089
Ion Ratio Lower Upper
128 100
130 36.6 13.4 53.4
64 66.8 44.6 84.6





#9

Benzaldehyde

Concen: 7.643 ng

RT: 6.910 min Scan# 61

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

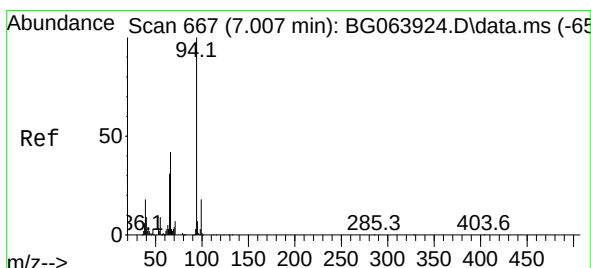
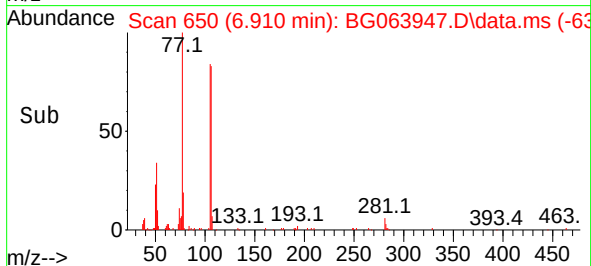
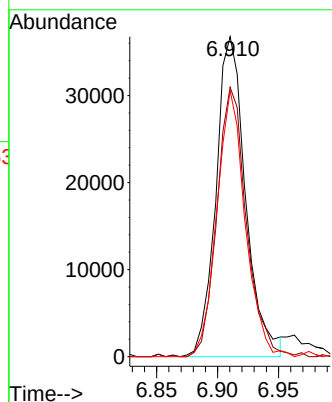
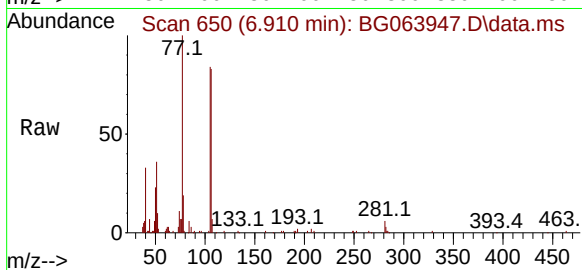
Tgt Ion: 77 Resp: 62344

Ion Ratio Lower Upper

77 100

105 84.2 66.5 106.5

106 83.1 60.1 100.1



#10

Phenol

Concen: 5.955 ng

RT: 6.981 min Scan# 662

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

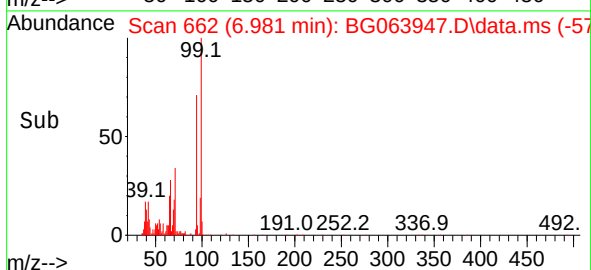
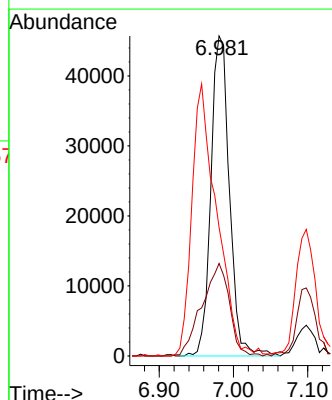
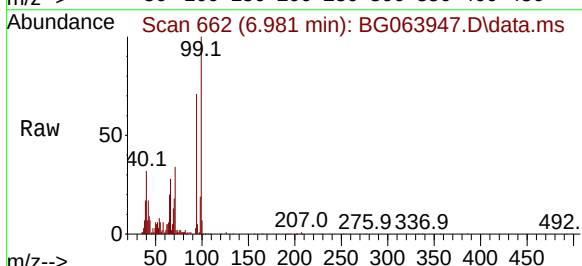
Tgt Ion: 94 Resp: 79204

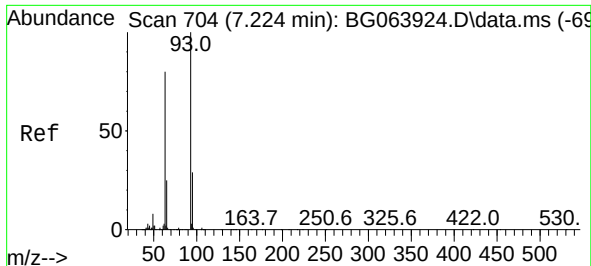
Ion Ratio Lower Upper

94 100

65 28.9 11.5 51.5

66 40.1 21.9 61.9

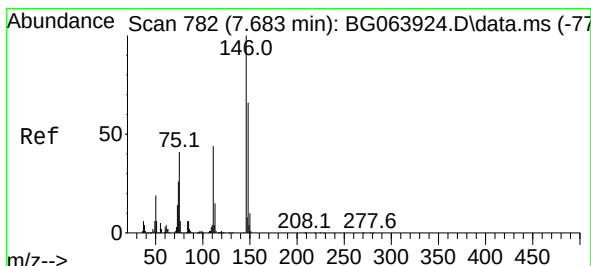
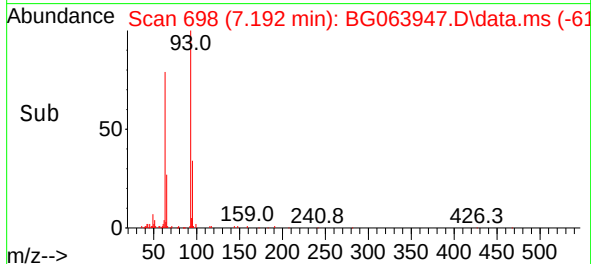
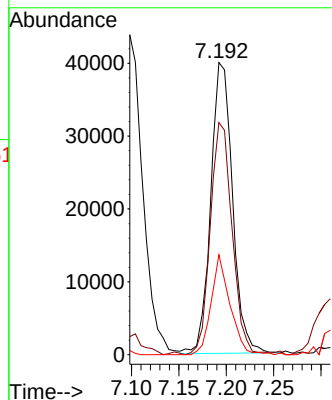
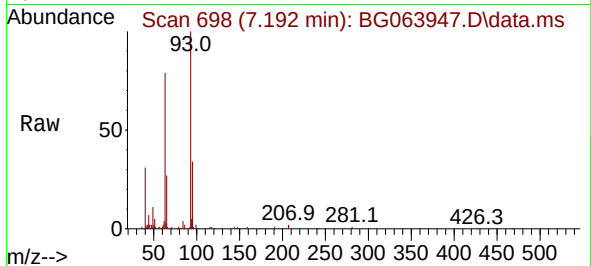




#11
bis(2-Chloroethyl)ether
Concen: 6.109 ng
RT: 7.192 min Scan# 61
Delta R.T. -0.032 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

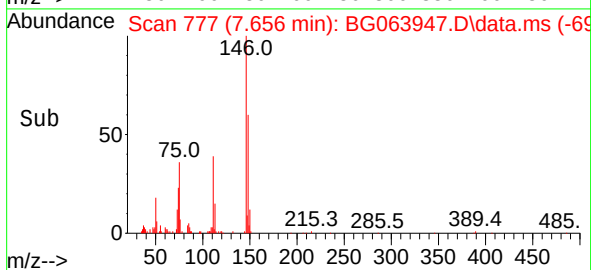
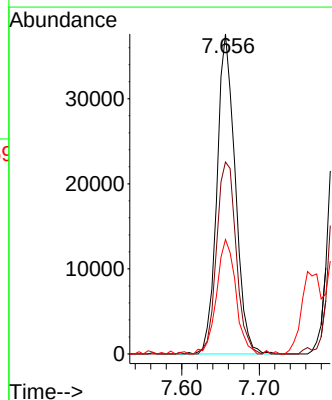
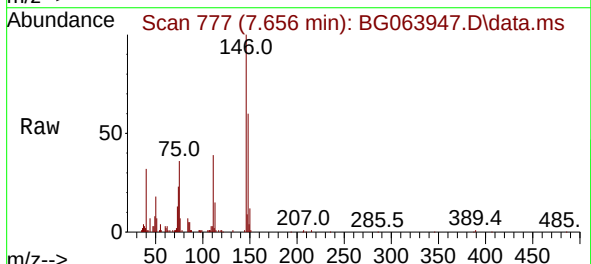
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

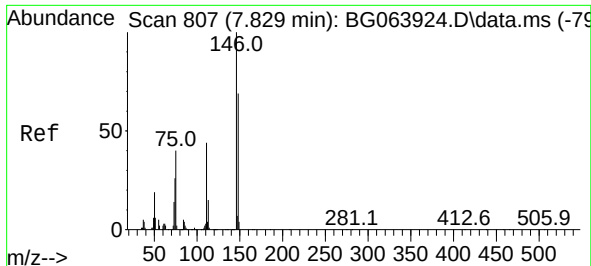
Tgt Ion: 93 Resp: 63702
Ion Ratio Lower Upper
93 100
63 79.5 59.6 99.6
95 34.2 9.3 49.3



#12
1,3-Dichlorobenzene
Concen: 5.944 ng
RT: 7.656 min Scan# 777
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:146 Resp: 61507
Ion Ratio Lower Upper
146 100
148 60.0 52.6 78.8
75 35.8 32.6 48.8

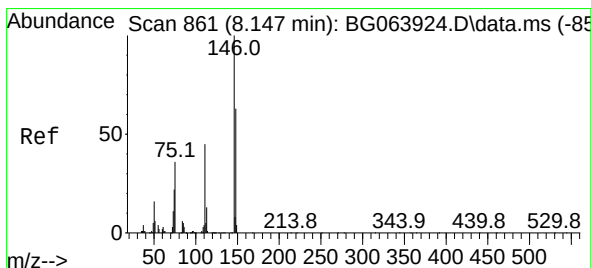
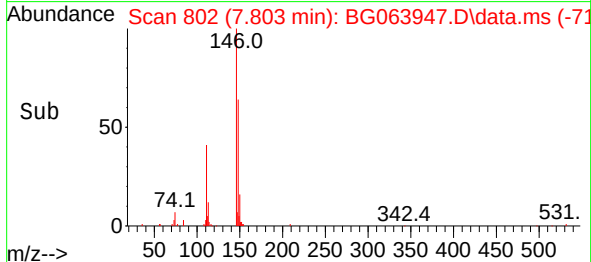
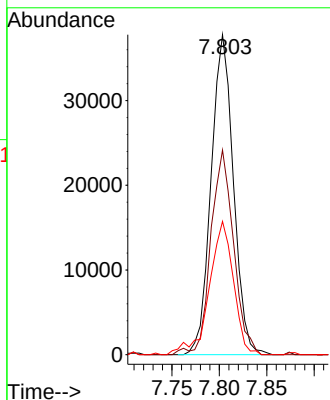
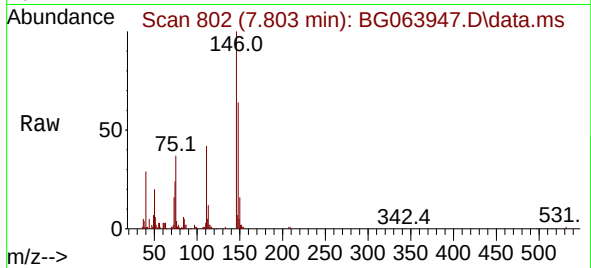




#13
1,4-Dichlorobenzene
Concen: 5.977 ng
RT: 7.803 min Scan# 807
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

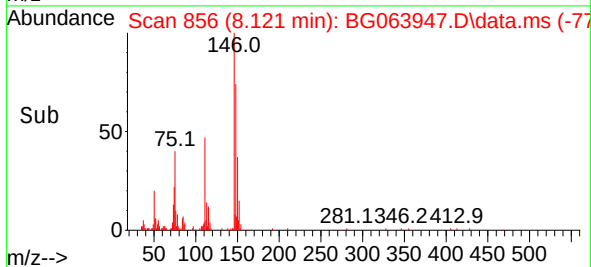
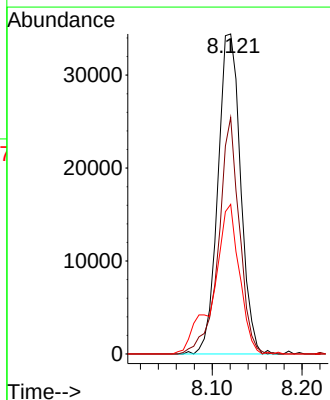
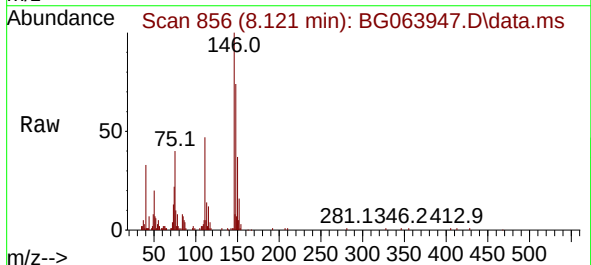
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

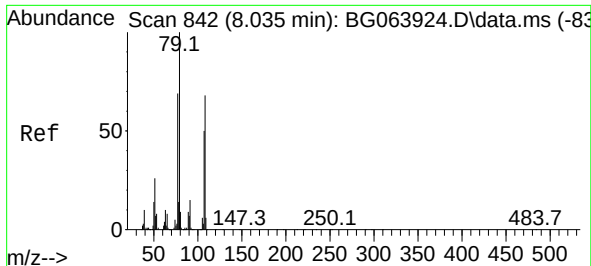
Tgt Ion:146 Resp: 61818
Ion Ratio Lower Upper
146 100
148 64.0 55.4 83.0
111 41.7 35.8 53.8



#14
1,2-Dichlorobenzene
Concen: 5.912 ng
RT: 8.121 min Scan# 856
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:146 Resp: 60178
Ion Ratio Lower Upper
146 100
148 73.9 50.7 76.1
111 46.8 36.1 54.1

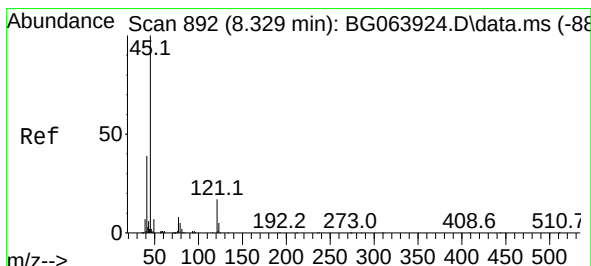
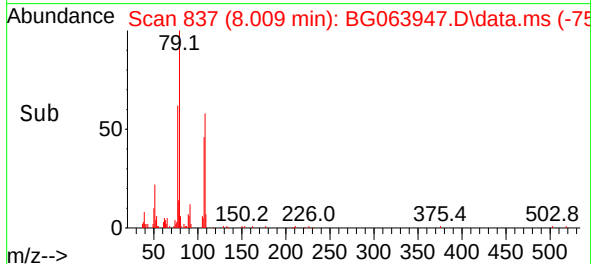
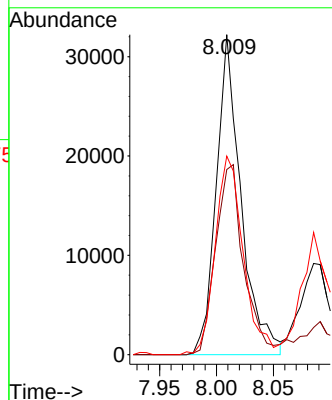
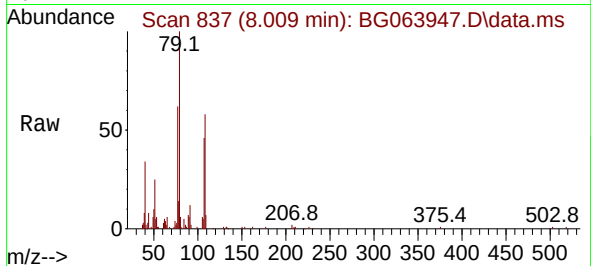




#15
Benzyl Alcohol
Concen: 5.325 ng
RT: 8.009 min Scan# 841
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

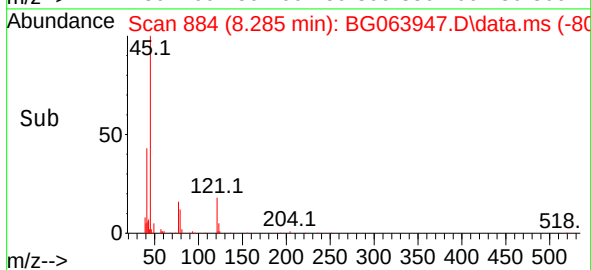
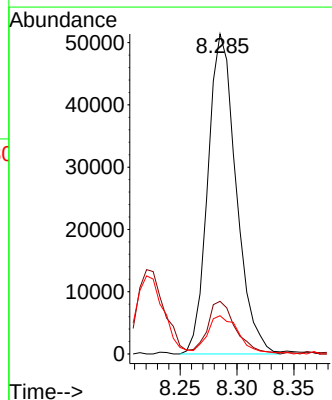
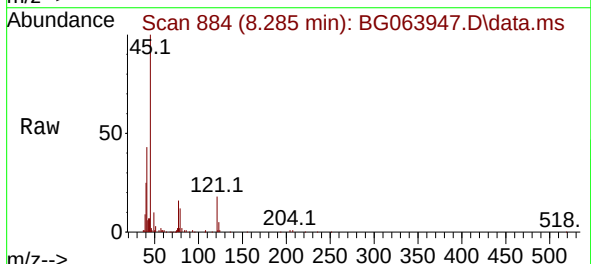
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

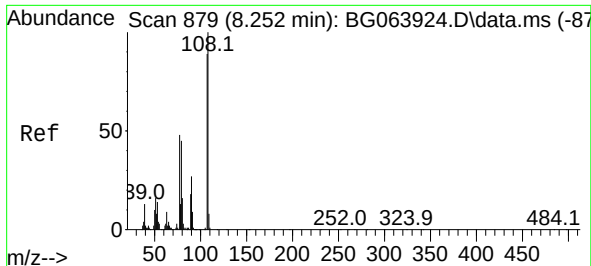
Tgt Ion: 79 Resp: 48810
Ion Ratio Lower Upper
79 100
108 57.9 54.6 81.8
77 62.0 55.6 83.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.929 ng
RT: 8.285 min Scan# 884
Delta R.T. -0.044 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion: 45 Resp: 88999
Ion Ratio Lower Upper
45 100
77 16.5 0.0 34.7
79 12.0 0.0 32.1

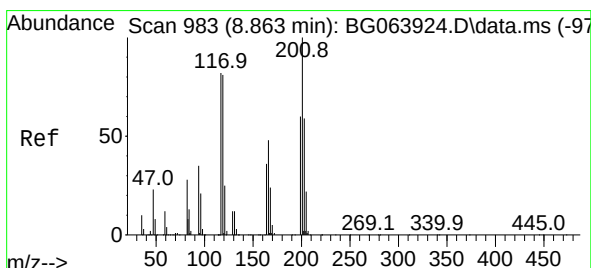
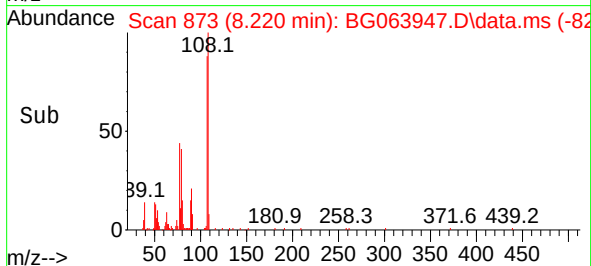
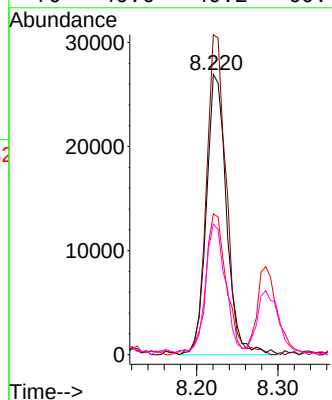
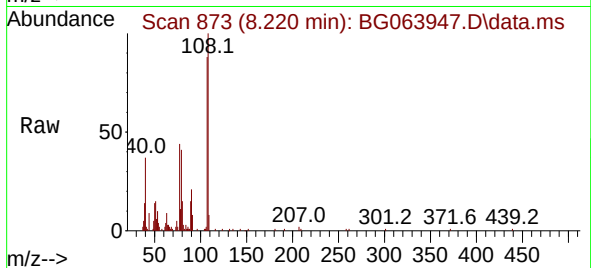




#17
2-Methylphenol
Concen: 5.379 ng
RT: 8.220 min Scan# 81
Delta R.T. -0.032 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

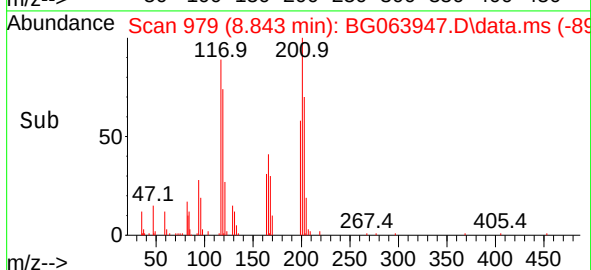
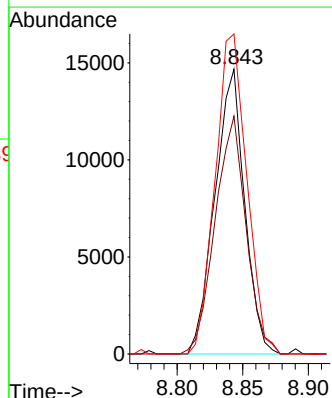
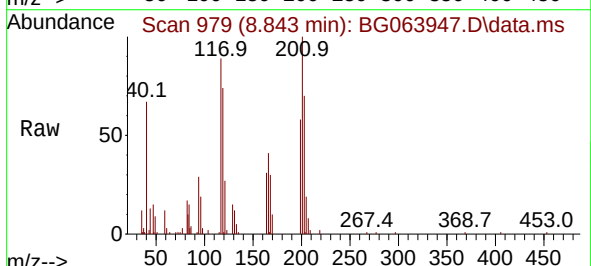
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

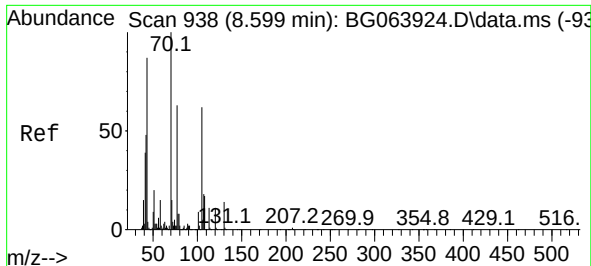
Tgt Ion:107	Resp:	46433
Ion	Ratio	Lower Upper
107	100	
108	114.2	89.5 134.3
77	50.2	43.4 65.2
79	46.6	40.2 60.4



#18
Hexachloroethane
Concen: 5.758 ng
RT: 8.843 min Scan# 979
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:117	Resp:	23099
Ion	Ratio	Lower Upper
117	100	
119	83.5	79.7 119.5
201	112.4	97.8 146.8





#19

n-Nitroso-di-n-propylamine

Concen: 5.221 ng

RT: 8.573 min Scan# 910

Delta R.T. -0.026 min

Lab File: BG063947.D

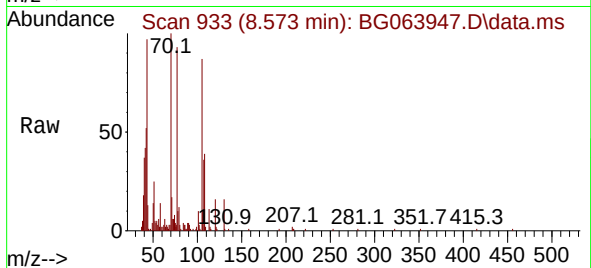
Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion: 70 Resp: 48704

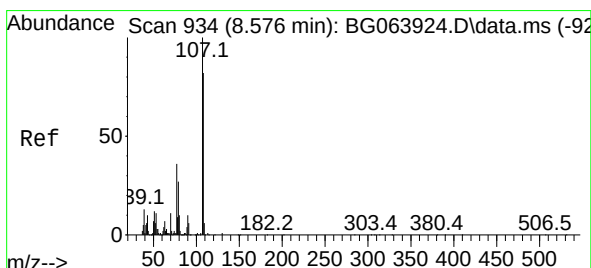
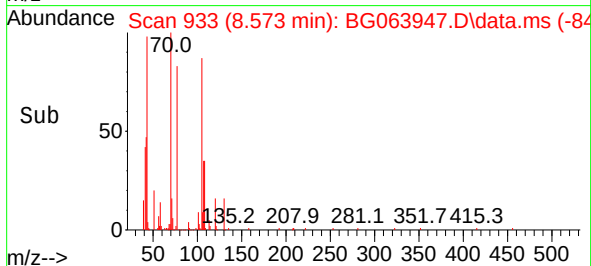
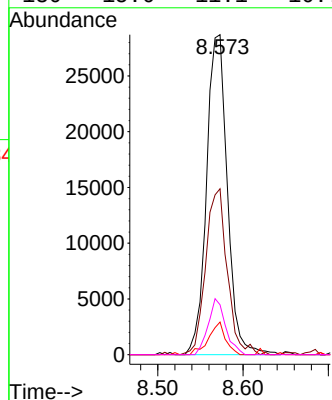
Ion Ratio Lower Upper

70 100

42 51.8 39.0 58.4

101 10.2 7.0 10.4

130 15.6 11.1 16.7



#20

3+4-Methylphenols

Concen: 4.920 ng

RT: 8.549 min Scan# 929

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Tgt Ion: 107 Resp: 57132

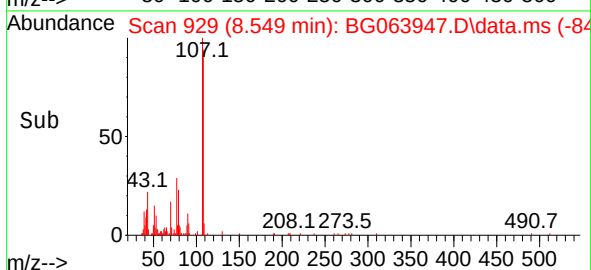
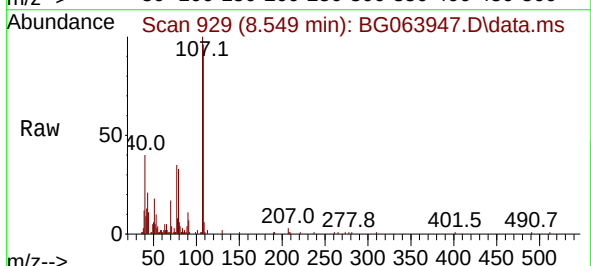
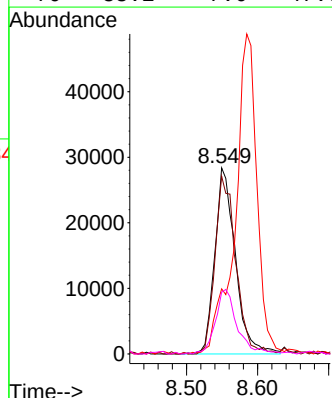
Ion Ratio Lower Upper

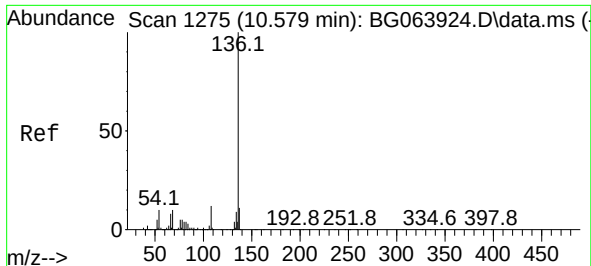
107 100

108 95.5 62.4 102.4

77 35.0 16.3 56.3

79 33.2 7.0 47.0

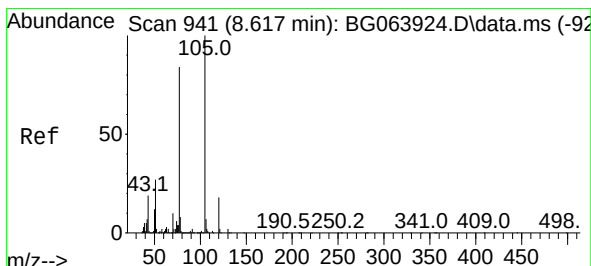
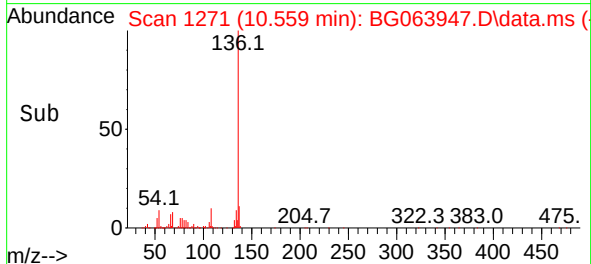
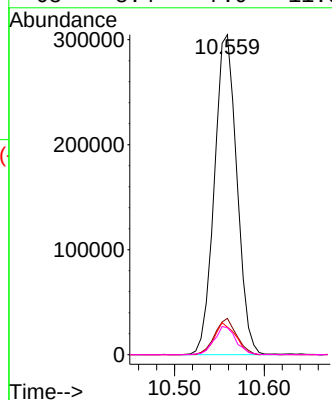
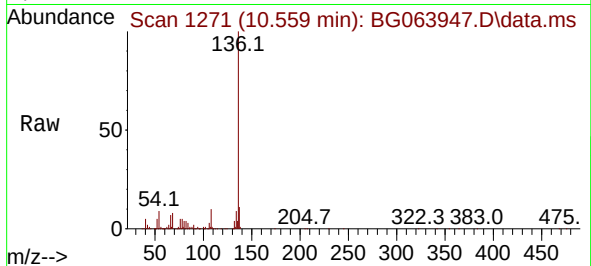




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.559 min Scan# 11
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

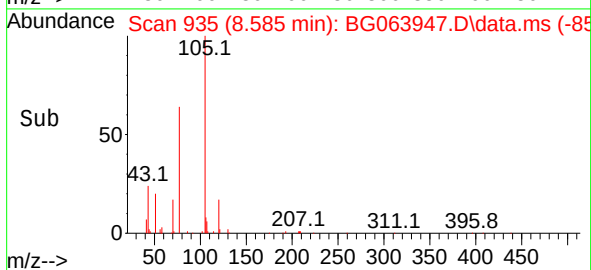
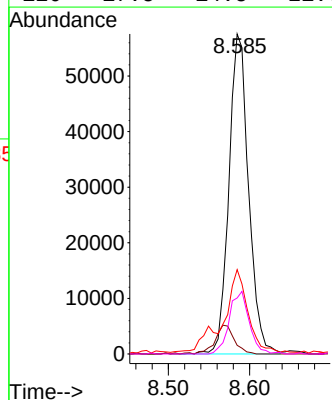
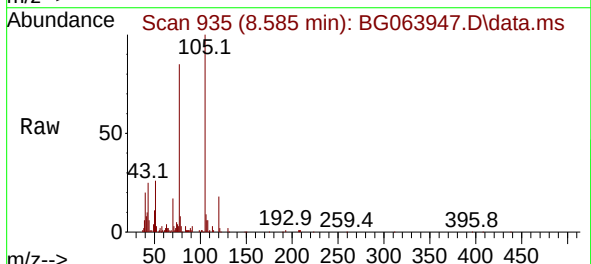
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

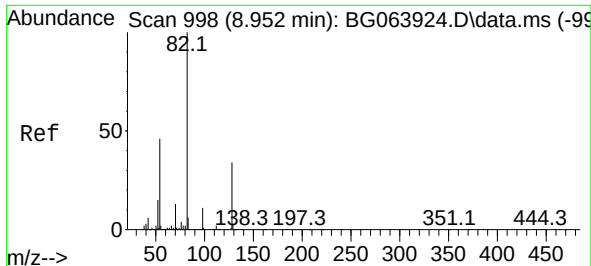
Tgt Ion:	136	Resp:	530151
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	8.6	8.0	12.0
68	8.4	7.9	11.9



#22
Acetophenone
Concen: 6.079 ng
RT: 8.585 min Scan# 935
Delta R.T. -0.032 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:	105	Resp:	96765
Ion Ratio	Lower	Upper	
105	100		
71	2.7	1.5	2.3#
51	26.3	21.8	32.8
120	17.5	14.5	21.7





#23

Nitrobenzene-d5

Concen: 71.325 ng

RT: 8.925 min Scan# 90

Delta R.T. -0.027 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

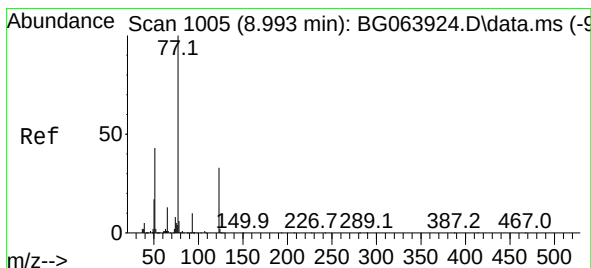
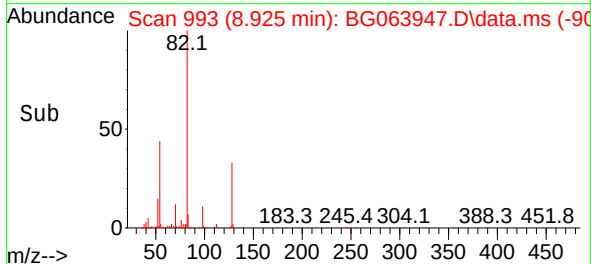
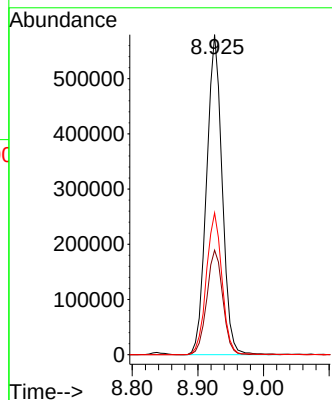
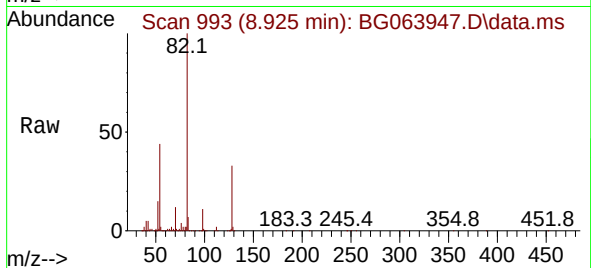
Tgt Ion: 82 Resp: 959930

Ion Ratio Lower Upper

82 100

128 32.7 26.9 40.3

54 44.3 36.7 55.1



#24

Nitrobenzene

Concen: 5.595 ng

RT: 8.967 min Scan# 1000

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

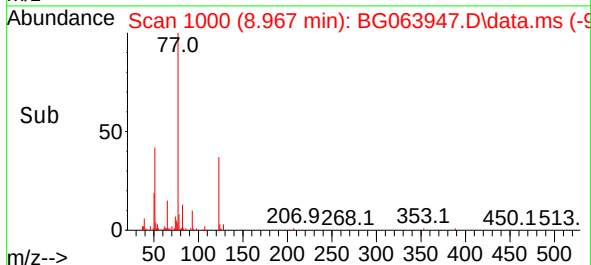
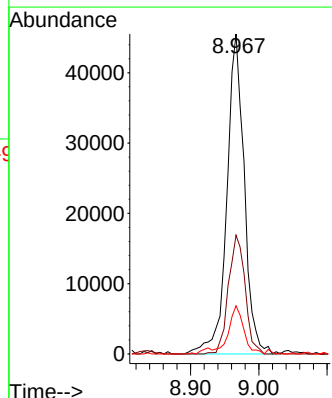
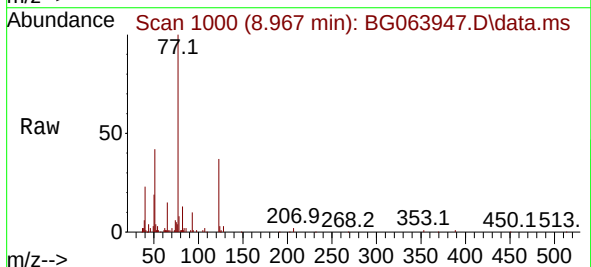
Tgt Ion: 77 Resp: 80856

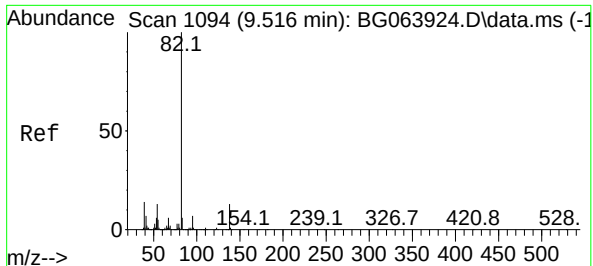
Ion Ratio Lower Upper

77 100

123 37.1 26.5 39.7

65 15.1 10.2 15.4

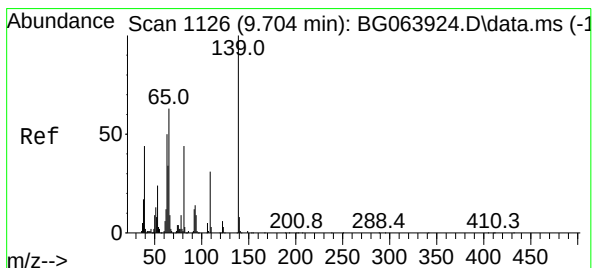
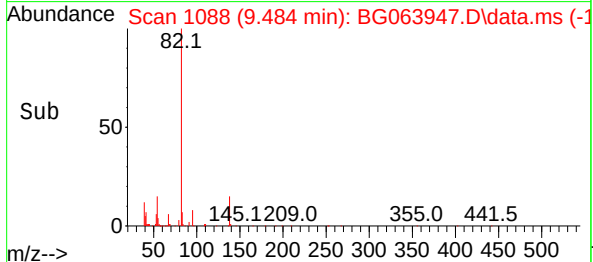
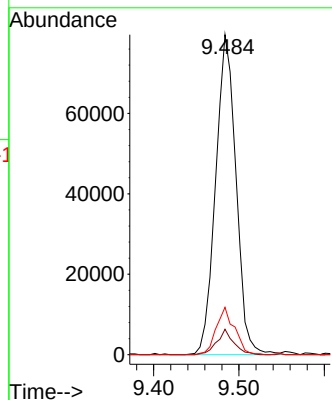
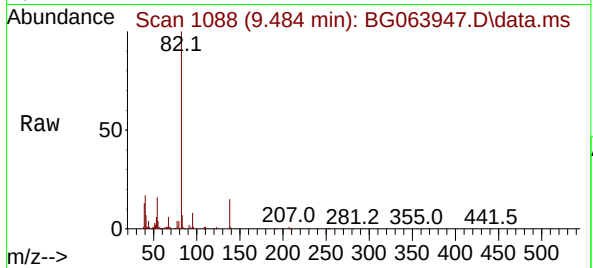




#25
Isophorone
Concen: 5.583 ng
RT: 9.484 min Scan# 1088
Delta R.T. -0.032 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

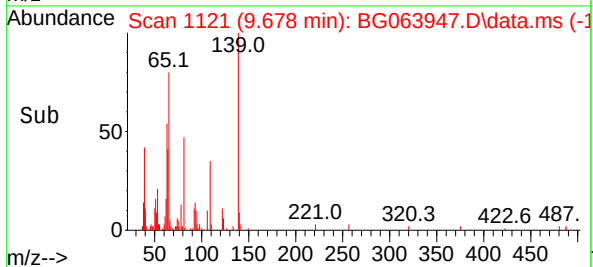
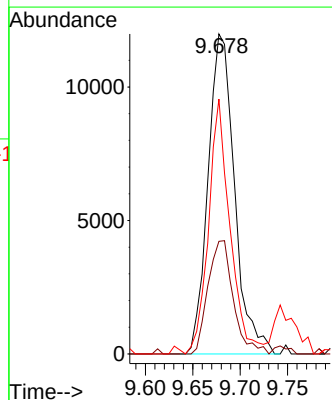
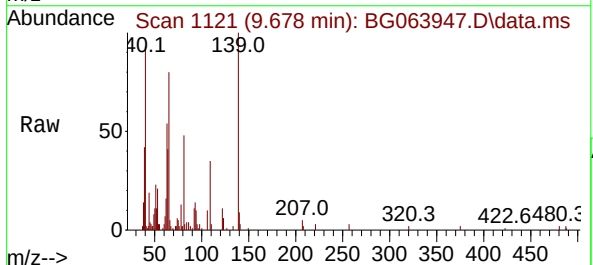
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2024

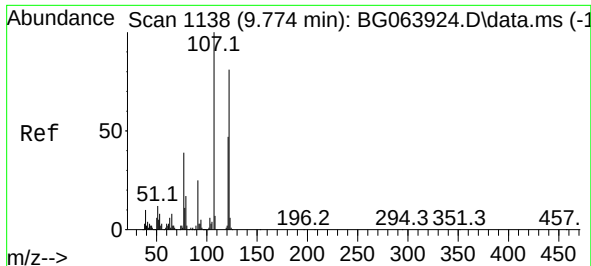
Tgt Ion: 82 Resp: 132425
Ion Ratio Lower Upper
82 100
95 7.9 5.2 7.8#
138 14.8 10.6 16.0



#26
2-Nitrophenol
Concen: 5.075 ng
RT: 9.678 min Scan# 1121
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:139 Resp: 23271
Ion Ratio Lower Upper
139 100
109 35.2 25.0 37.4
65 79.6 51.1 76.7#

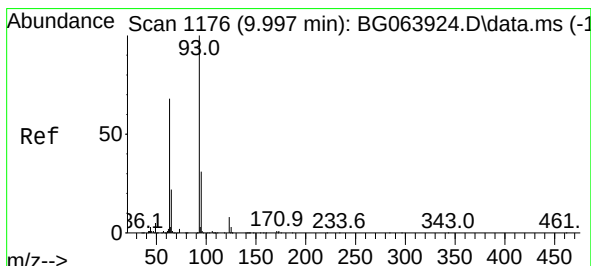
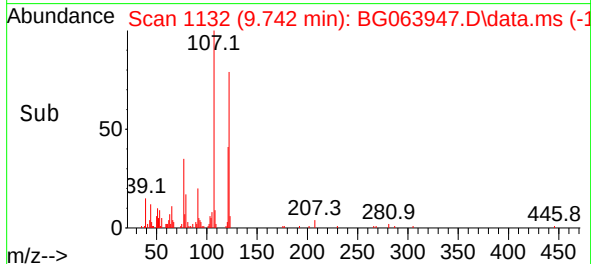
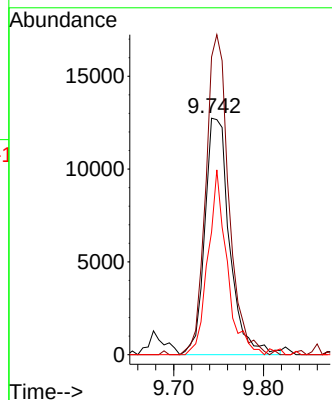
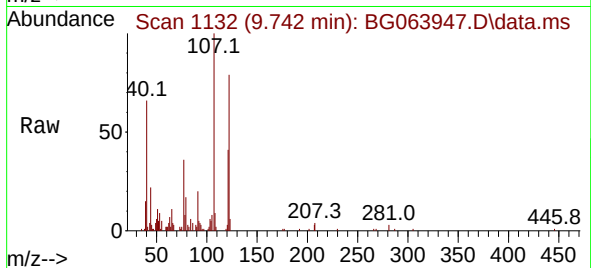




#27
2,4-Dimethylphenol
Concen: 4.168 ng
RT: 9.742 min Scan# 1132
Delta R.T. -0.032 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

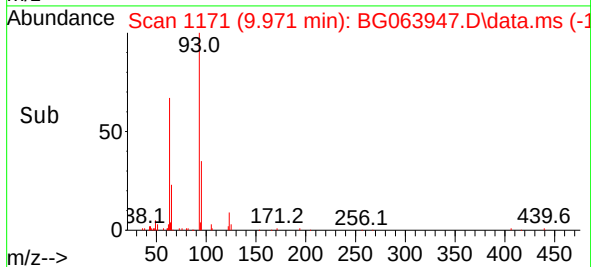
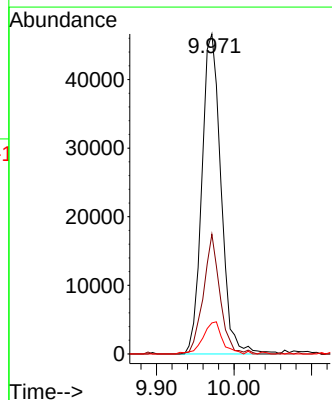
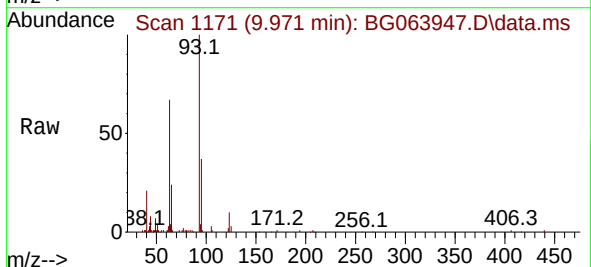
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

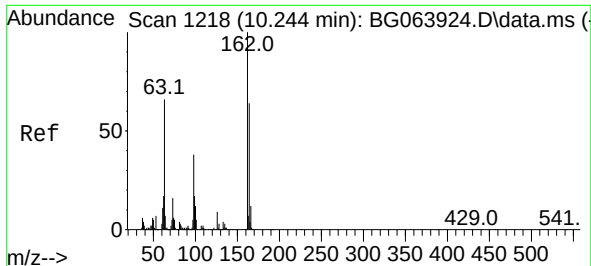
Tgt Ion:122 Resp: 24371
Ion Ratio Lower Upper
122 100
107 125.9 99.0 148.4
121 51.9 46.0 69.0



#28
bis(2-Chloroethoxy)methane
Concen: 5.635 ng
RT: 9.971 min Scan# 1171
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion: 93 Resp: 79702
Ion Ratio Lower Upper
93 100
95 37.4 25.0 37.6
123 9.7 6.9 10.3





#29

2,4-Dichlorophenol

Concen: 5.225 ng

RT: 10.230 min Scan# 1215

Delta R.T. -0.014 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

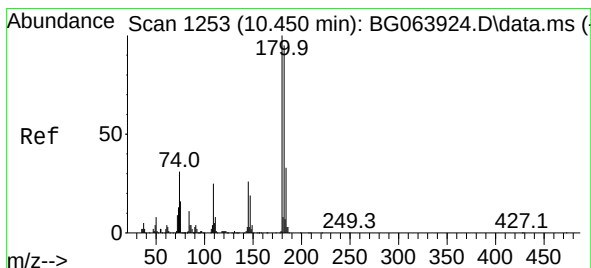
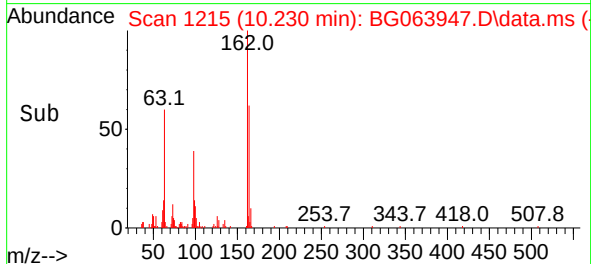
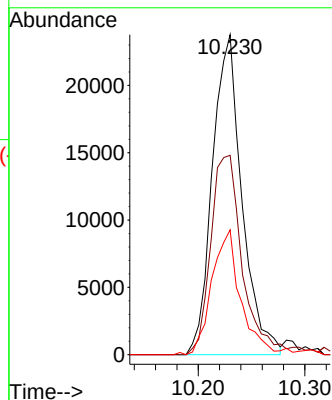
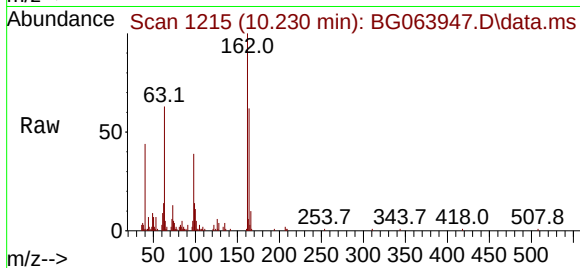
Tgt Ion:162 Resp: 45650

Ion Ratio Lower Upper

162 100

164 62.3 44.4 84.4

98 39.0 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 5.840 ng

RT: 10.424 min Scan# 1248

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

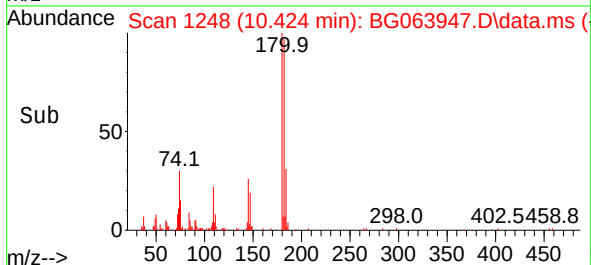
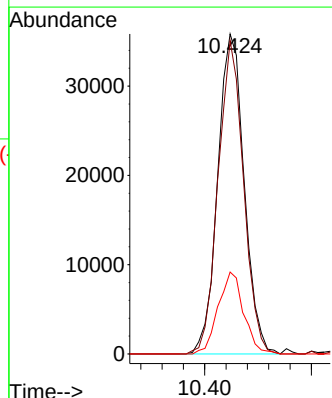
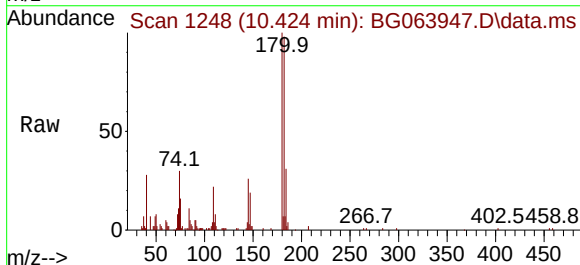
Tgt Ion:180 Resp: 61711

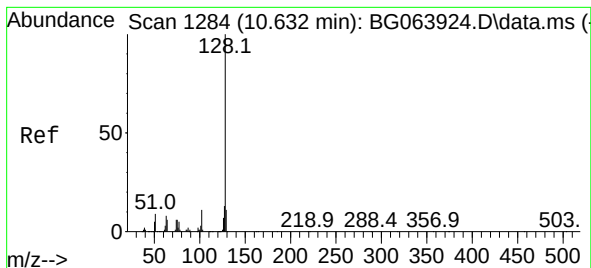
Ion Ratio Lower Upper

180 100

182 97.9 75.8 113.6

145 25.6 20.8 31.2





#31

Naphthalene

Concen: 5.959 ng

RT: 10.606 min Scan# 1170

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

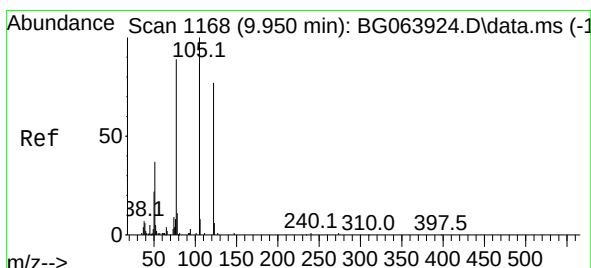
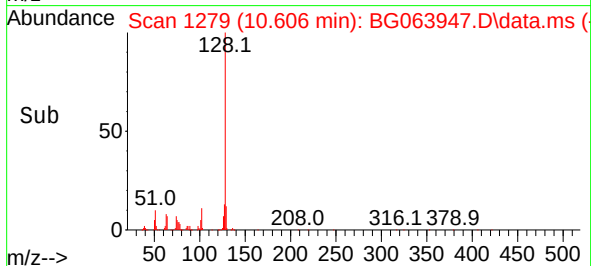
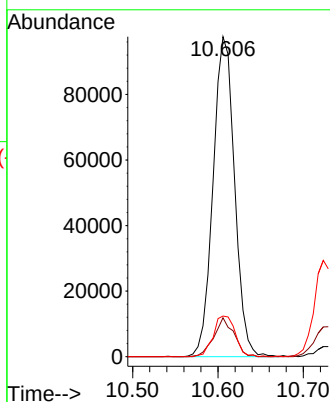
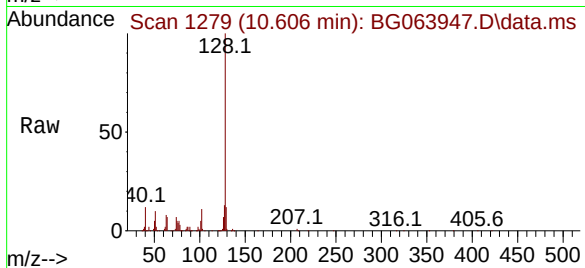
Tgt Ion:128 Resp: 171278

Ion Ratio Lower Upper

128 100

129 12.2 9.0 13.6

127 12.7 10.2 15.4



#32

Benzoic acid

Concen: 0.715 ng

RT: 9.965 min Scan# 1170

Delta R.T. 0.015 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

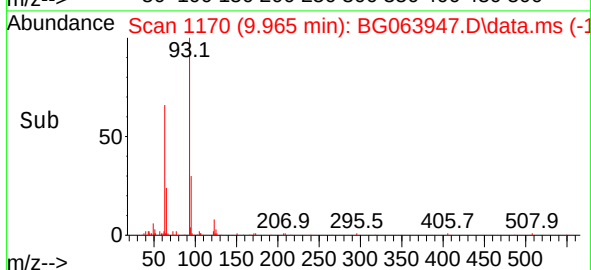
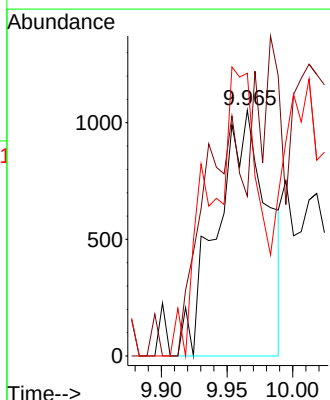
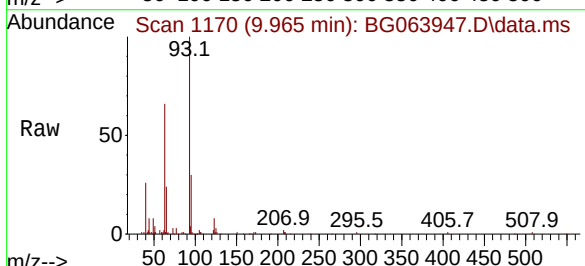
Tgt Ion:122 Resp: 2796

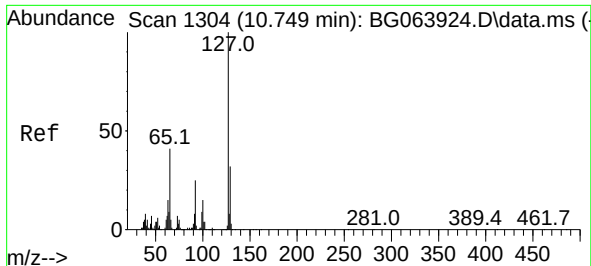
Ion Ratio Lower Upper

122 100

105 65.0 109.7 149.7#

77 115.0 96.0 136.0





#33

4-Chloroaniline

Concen: 6.302 ng

RT: 10.723 min Scan# 11

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:127 Resp: 58801

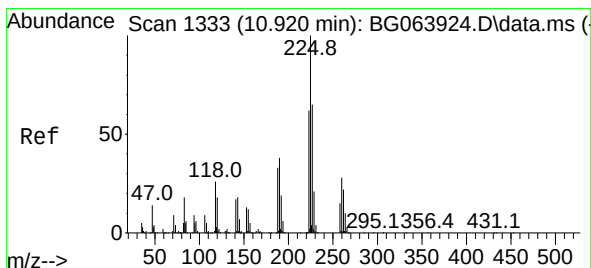
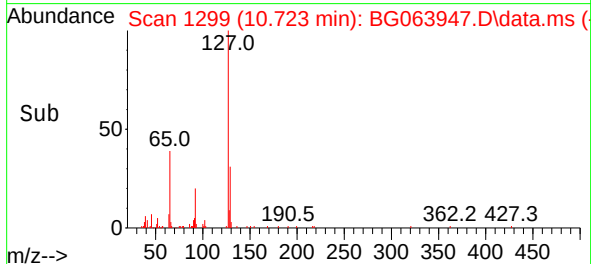
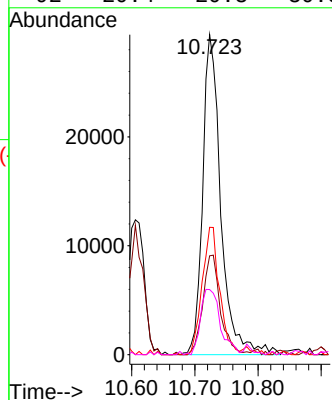
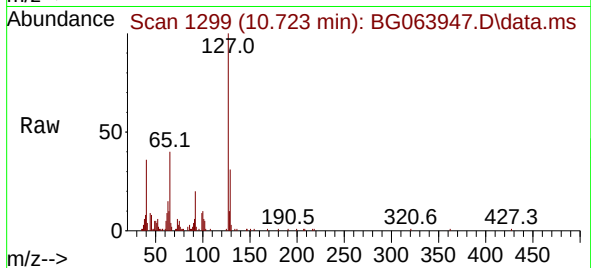
Ion Ratio Lower Upper

127 100

129 30.9 25.4 38.0

65 39.8 32.6 48.8

92 20.4 20.3 30.5



#34

Hexachlorobutadiene

Concen: 5.429 ng

RT: 10.894 min Scan# 1328

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

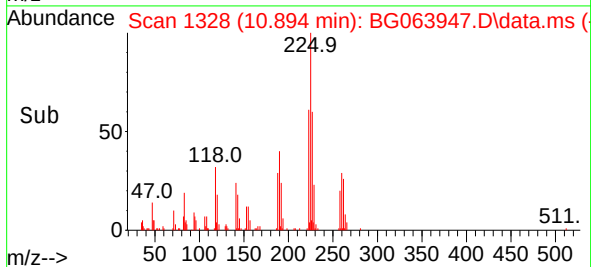
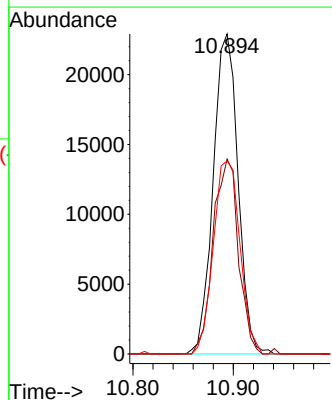
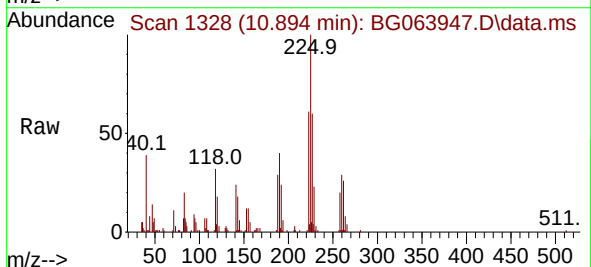
Tgt Ion:225 Resp: 39321

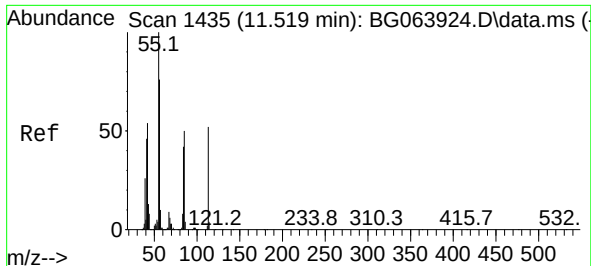
Ion Ratio Lower Upper

225 100

223 64.9 49.5 74.3

227 60.3 51.6 77.4

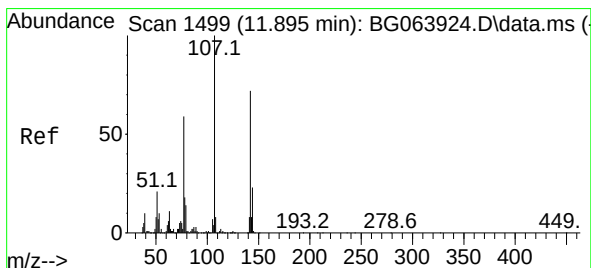
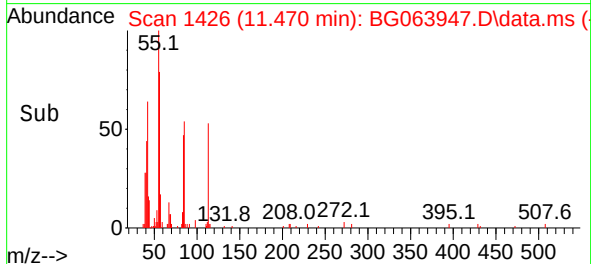
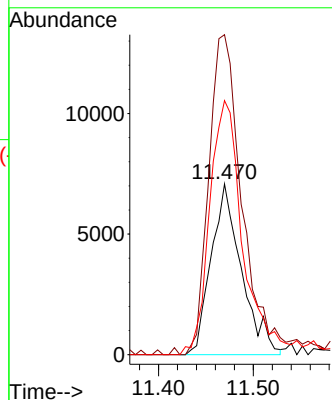
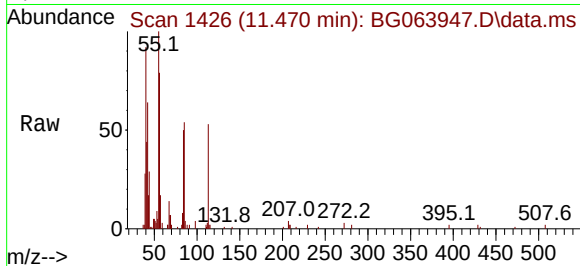




#35
Caprolactam
Concen: 5.460 ng
RT: 11.470 min Scan# 1426
Delta R.T. -0.050 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

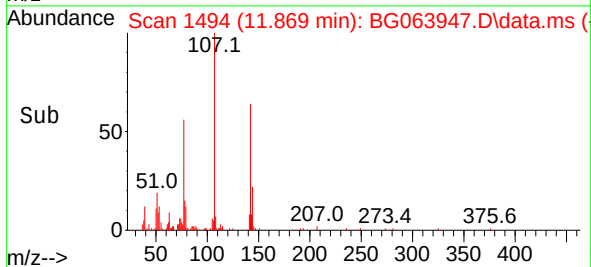
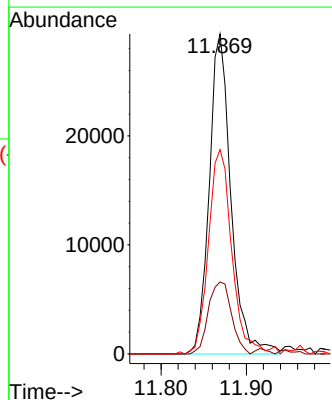
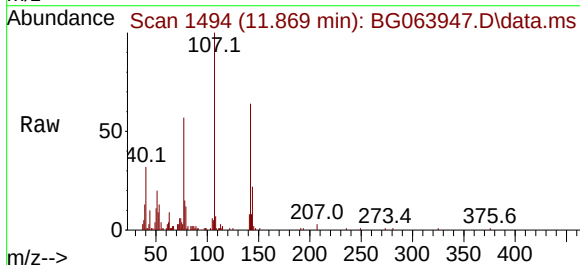
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

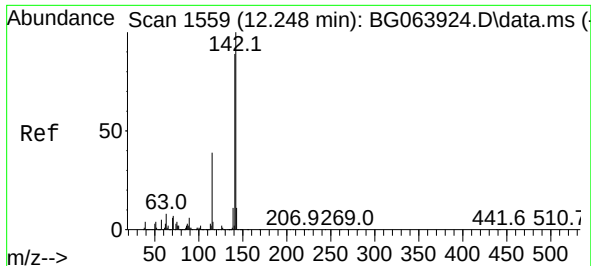
Tgt Ion	Ratio	Lower	Upper
113	100		
55	187.3	173.7	213.7
56	148.8	127.5	167.5



#36
4-Chloro-3-methylphenol
Concen: 5.360 ng
RT: 11.869 min Scan# 1494
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.5	18.7	28.1
142	63.8	57.5	86.3





#37

2-Methylnaphthalene

Concen: 5.909 ng

RT: 12.222 min Scan# 1554

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

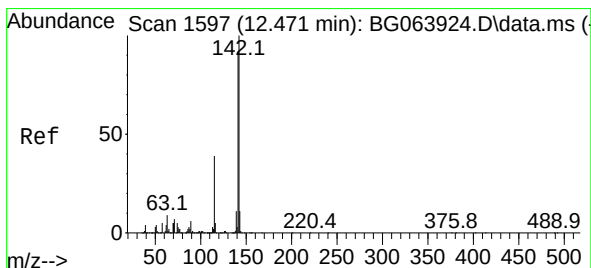
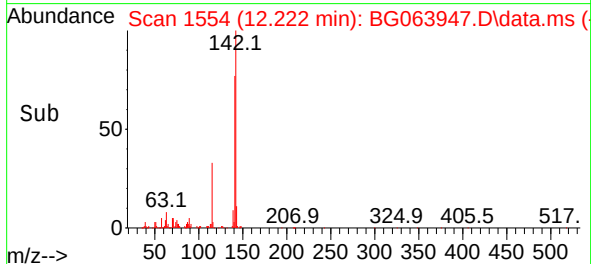
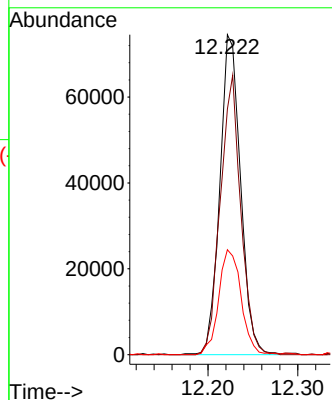
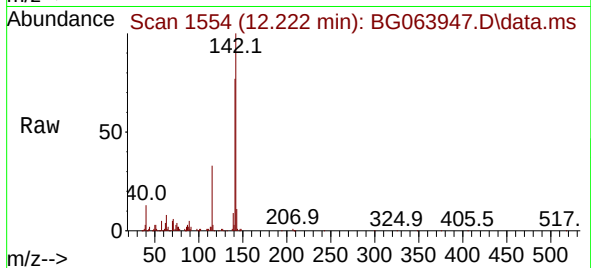
Tgt Ion:142 Resp: 119321

Ion Ratio Lower Upper

142 100

141 76.7 70.8 106.2

115 32.8 31.2 46.8



#38

1-Methylnaphthalene

Concen: 5.549 ng

RT: 12.445 min Scan# 1592

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

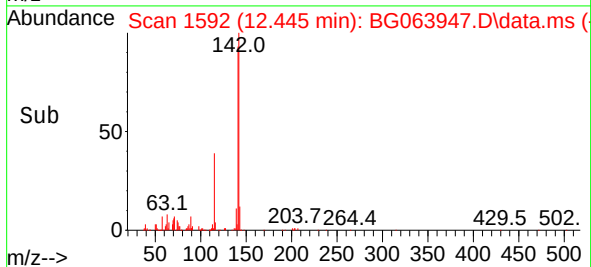
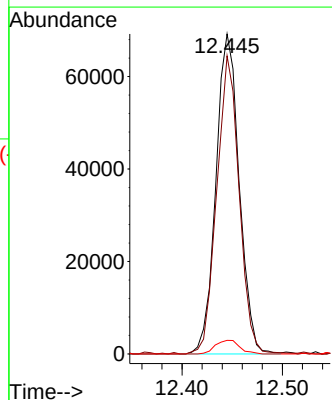
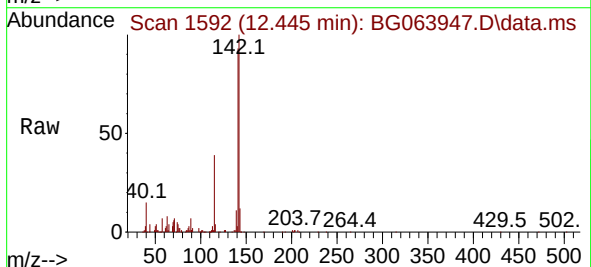
Tgt Ion:142 Resp: 111444

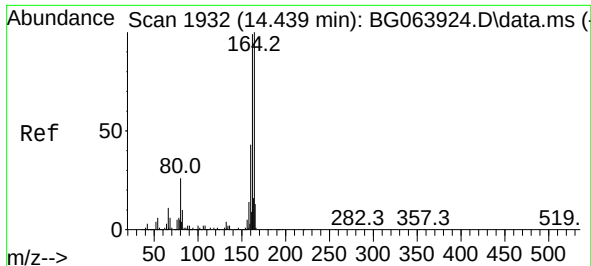
Ion Ratio Lower Upper

142 100

141 93.1 73.4 110.2

116 4.3 3.7 5.5

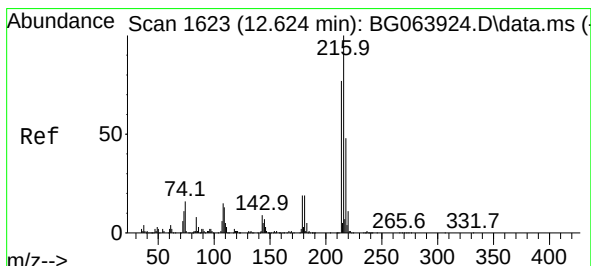
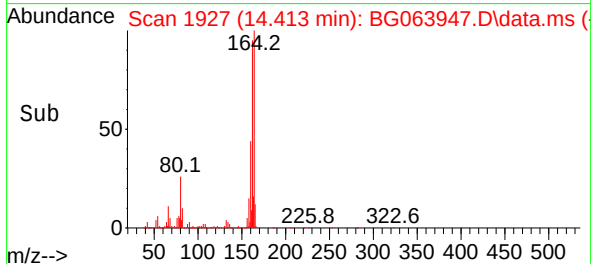
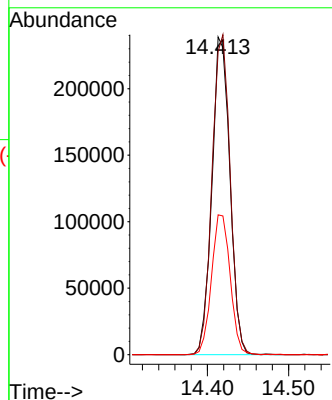
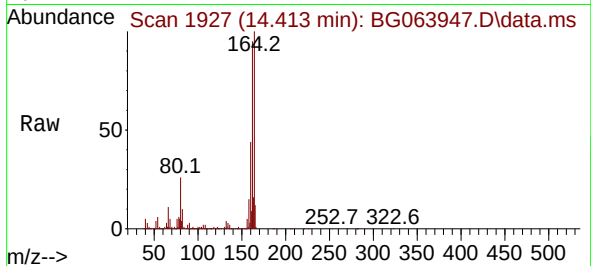




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

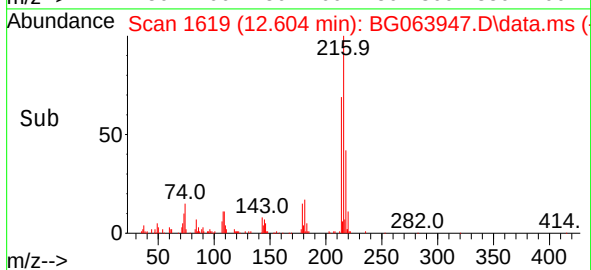
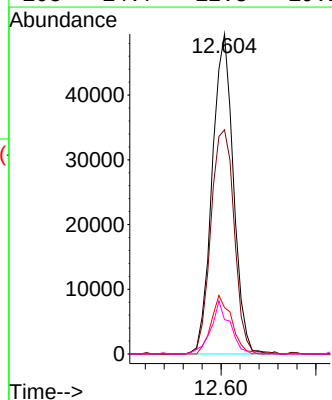
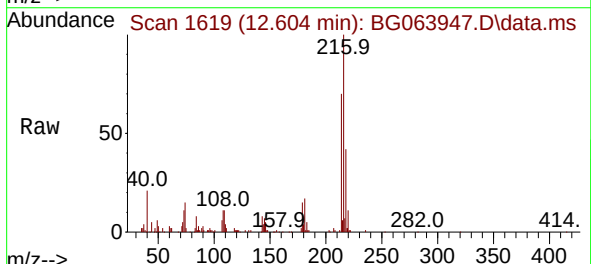
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

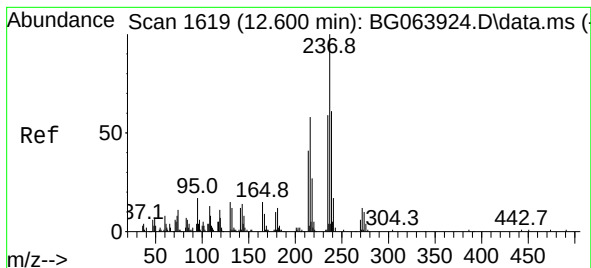
Tgt Ion:164 Resp: 367140
Ion Ratio Lower Upper
164 100
162 95.3 79.1 118.7
160 44.0 34.6 52.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.242 ng
RT: 12.604 min Scan# 1619
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:216 Resp: 76883
Ion Ratio Lower Upper
216 100
214 77.0 61.8 92.8
179 17.5 15.5 23.3
108 14.7 12.8 19.2





#41

Hexachlorocyclopentadiene

Concen: 11.750 ng

RT: 12.580 min Scan# 1

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

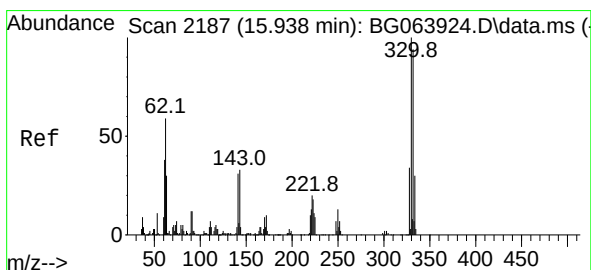
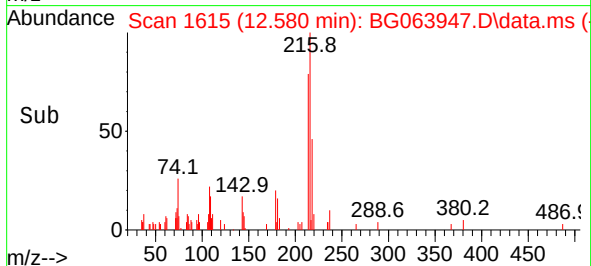
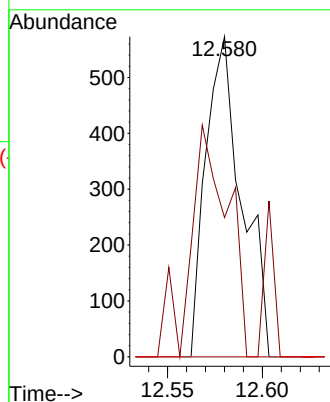
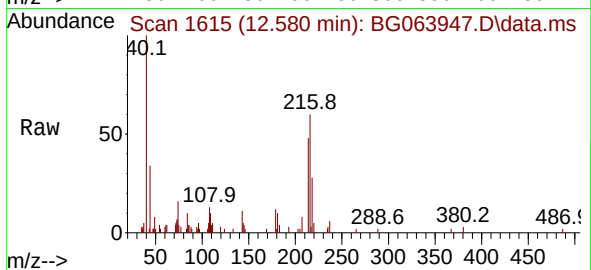
Tgt Ion:237 Resp: 760

Ion Ratio Lower Upper

237 100

235 43.5 39.2 79.2

272 0.0 0.0 31.6



#42

2,4,6-Tribromophenol

Concen: 93.680 ng

RT: 15.917 min Scan# 2183

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

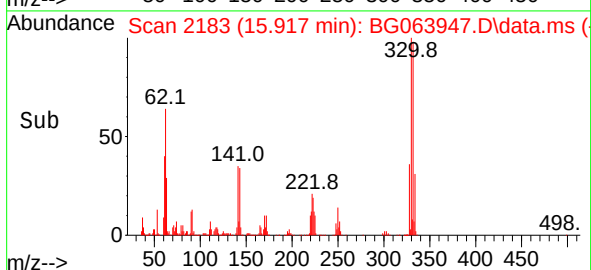
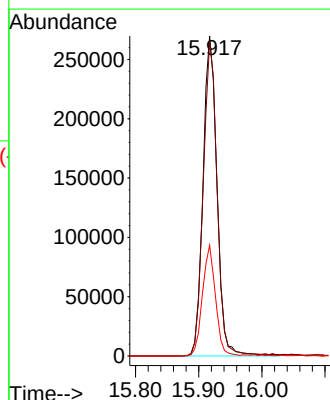
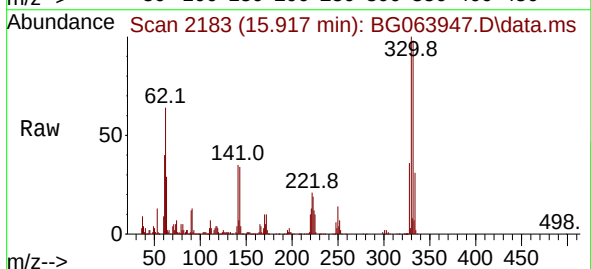
Tgt Ion:330 Resp: 414743

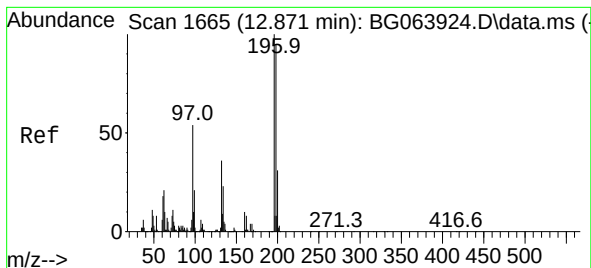
Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

141 32.1 24.4 36.6





#43

2,4,6-Trichlorophenol

Concen: 5.268 ng

RT: 12.850 min Scan# 1

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

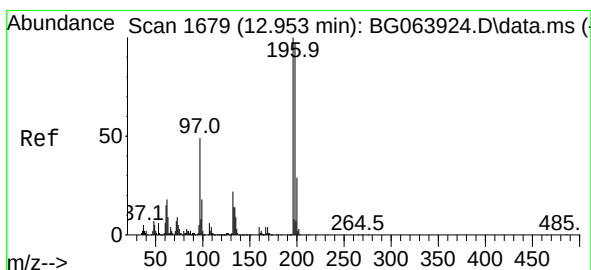
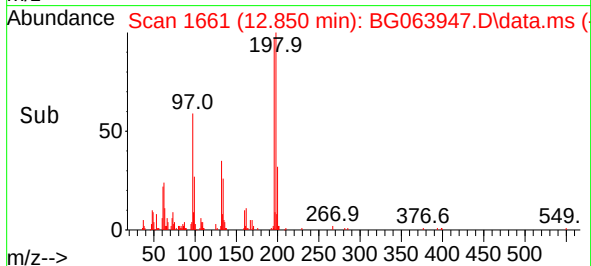
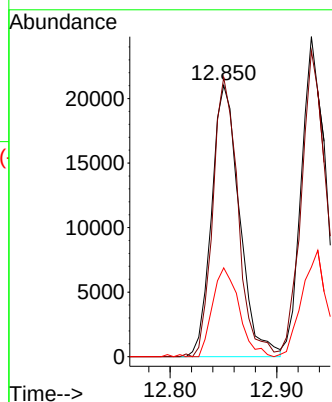
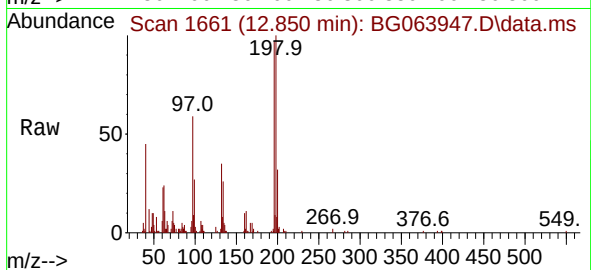
Tgt Ion:196 Resp: 38223

Ion Ratio Lower Upper

196 100

198 103.0 76.3 114.5

200 32.7 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 4.922 ng

RT: 12.933 min Scan# 1675

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Tgt Ion:196 Resp: 40077

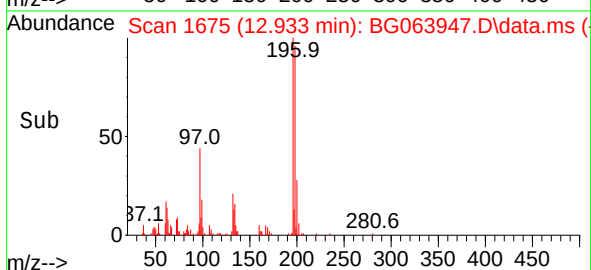
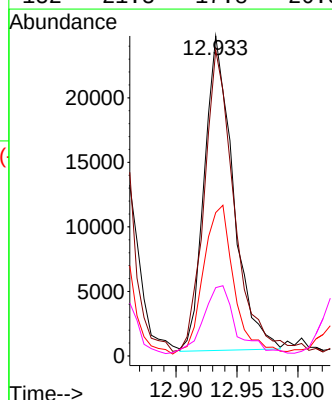
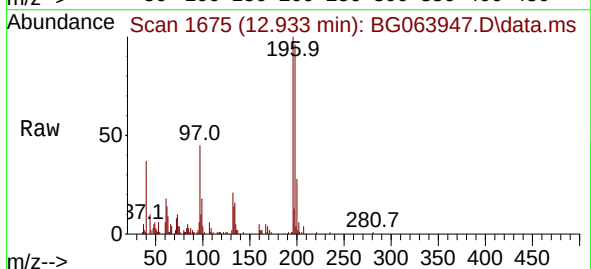
Ion Ratio Lower Upper

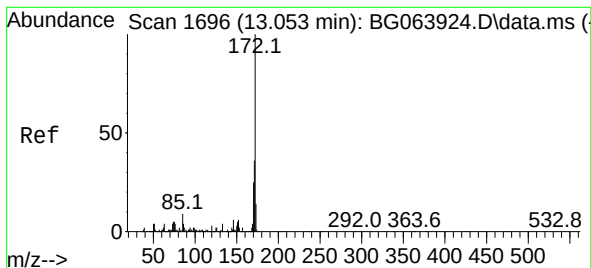
196 100

198 95.5 77.7 116.5

97 44.8 39.5 59.3

132 21.3 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 72.423 ng

RT: 13.032 min Scan# 1

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

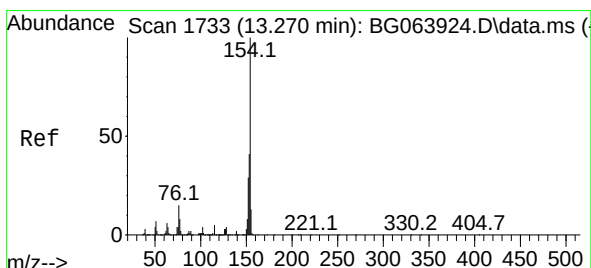
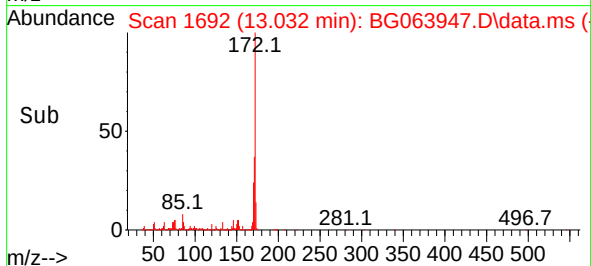
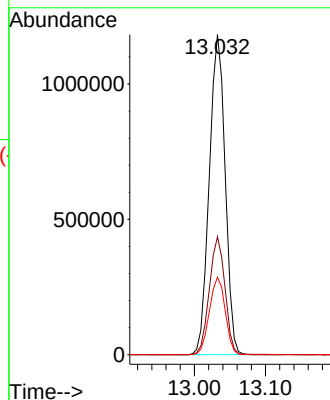
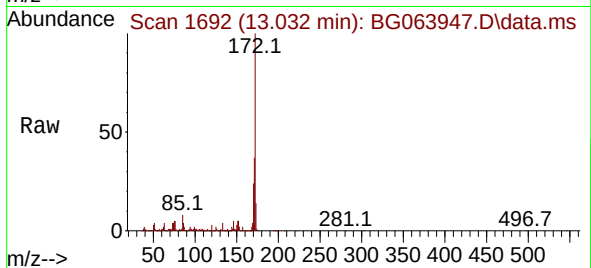
Tgt Ion:172 Resp: 1835381

Ion Ratio Lower Upper

172 100

171 36.8 29.2 43.8

170 24.2 20.1 30.1



#46

1,1'-Biphenyl

Concen: 6.424 ng

RT: 13.244 min Scan# 1728

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

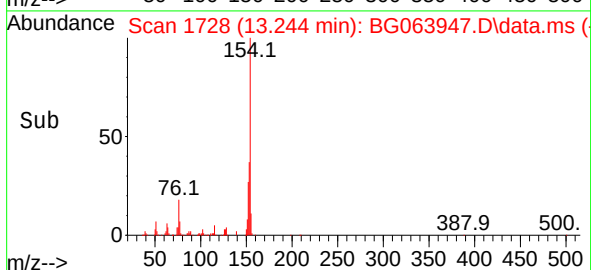
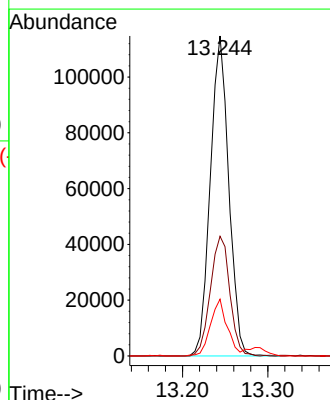
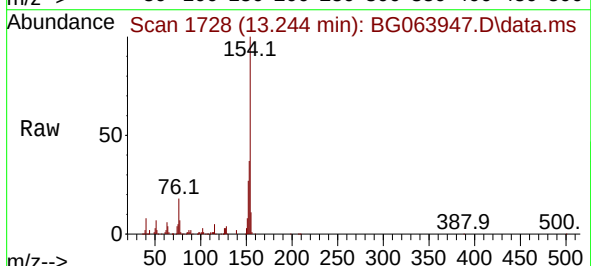
Tgt Ion:154 Resp: 172149

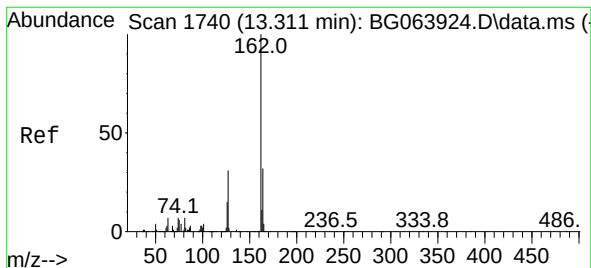
Ion Ratio Lower Upper

154 100

153 37.4 21.4 61.4

76 17.7 0.0 35.0





#47

2-Chloronaphthalene

Concen: 5.834 ng

RT: 13.285 min Scan# 1

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

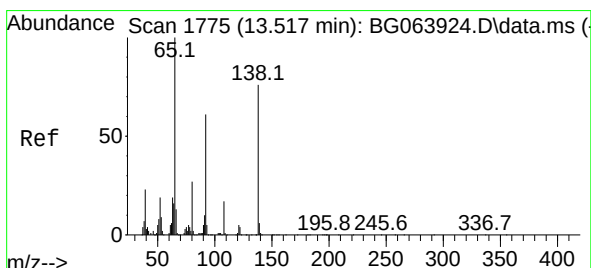
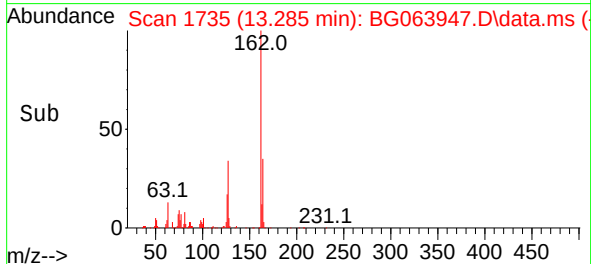
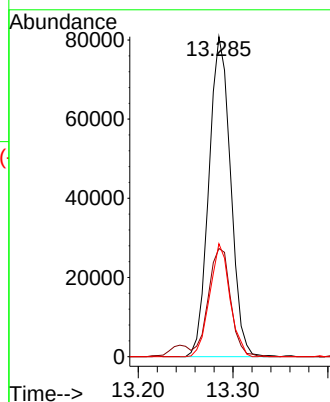
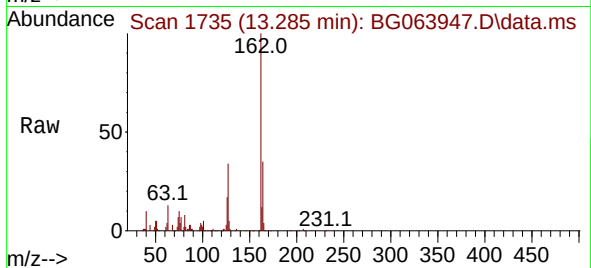
Tgt Ion:162 Resp: 128532

Ion Ratio Lower Upper

162 100

127 33.8 25.6 38.4

164 35.3 25.7 38.5



#48

2-Nitroaniline

Concen: 4.703 ng

RT: 13.497 min Scan# 1771

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

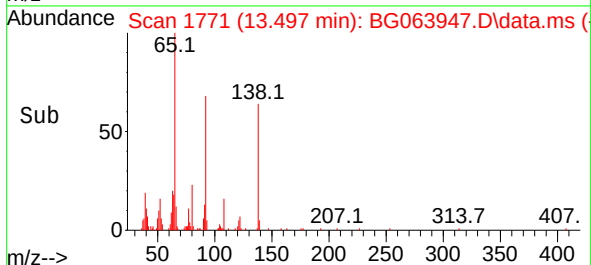
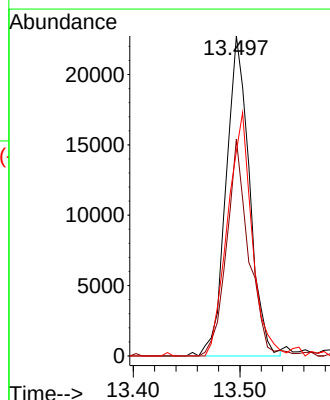
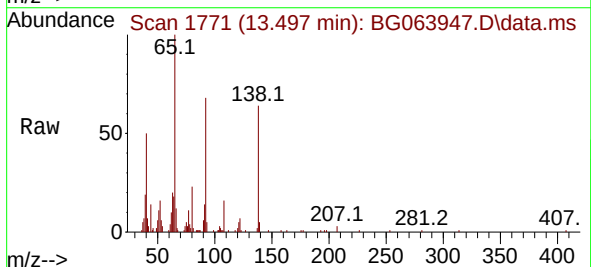
Tgt Ion: 65 Resp: 34668

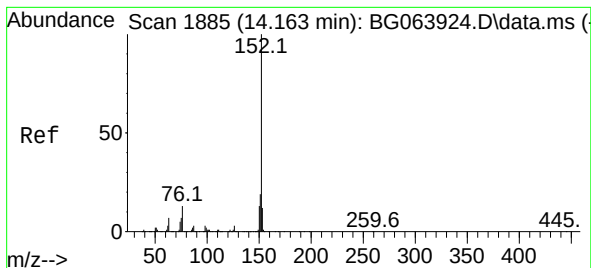
Ion Ratio Lower Upper

65 100

92 67.8 48.9 73.3

138 63.9 61.0 91.6





#49

Acenaphthylene

Concen: 6.425 ng

RT: 14.137 min Scan# 1880

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

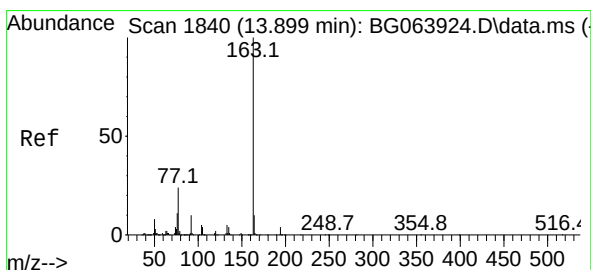
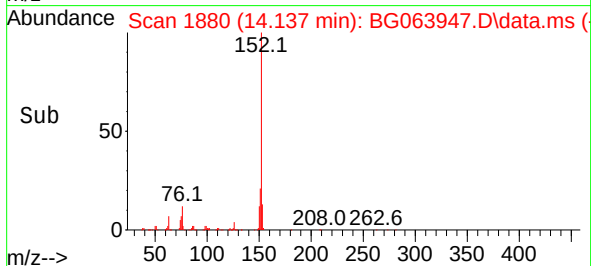
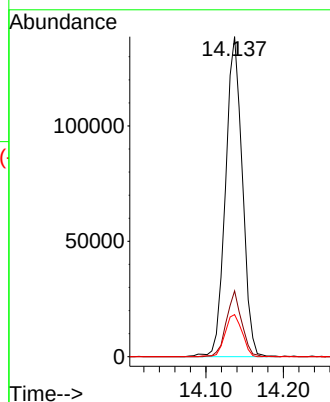
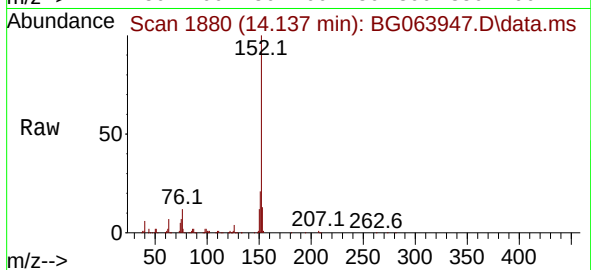
Tgt Ion:152 Resp: 209720

Ion Ratio Lower Upper

152 100

151 20.5 15.5 23.3

153 13.1 9.9 14.9



#50

Dimethylphthalate

Concen: 5.728 ng

RT: 13.873 min Scan# 1835

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

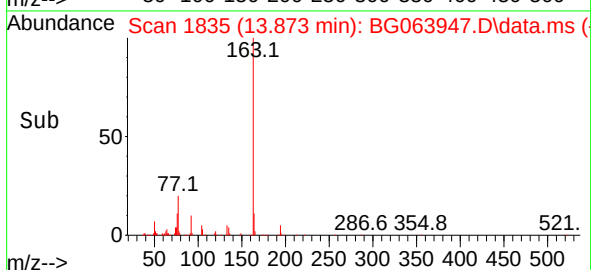
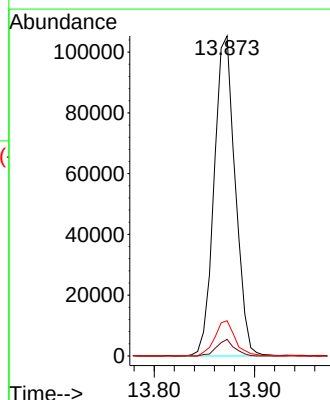
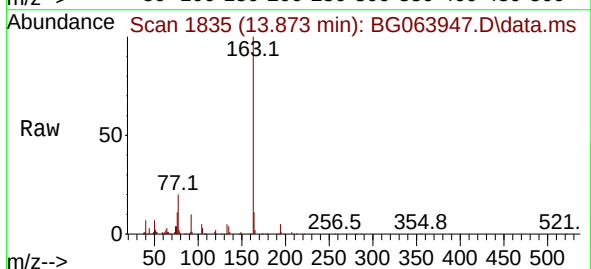
Tgt Ion:163 Resp: 153594

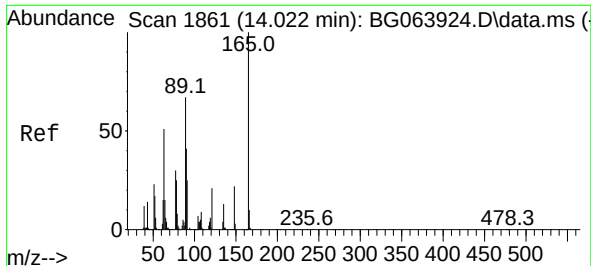
Ion Ratio Lower Upper

163 100

194 5.2 3.0 4.4#

164 11.0 7.8 11.8

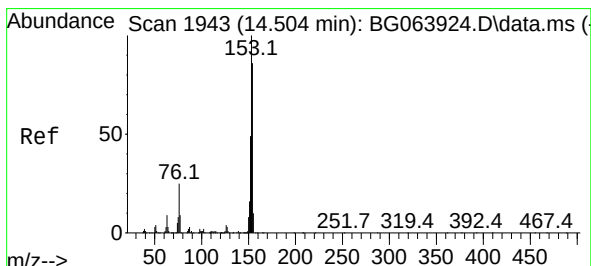
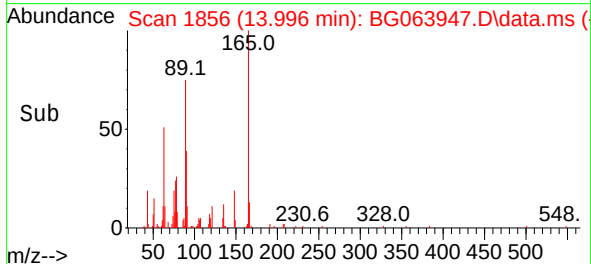
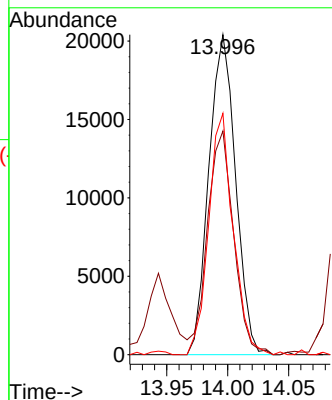
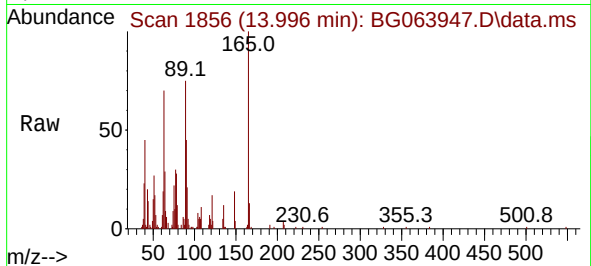




#51
2,6-Dinitrotoluene
Concen: 5.210 ng
RT: 13.996 min Scan# 1861
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

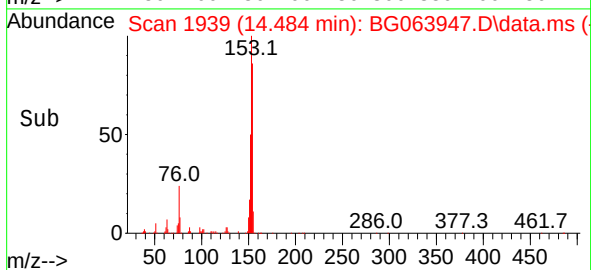
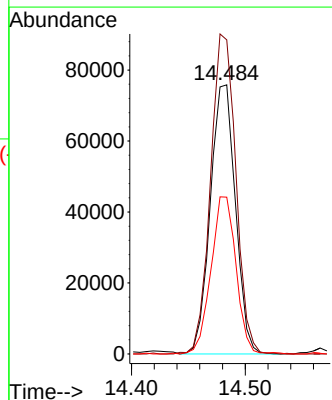
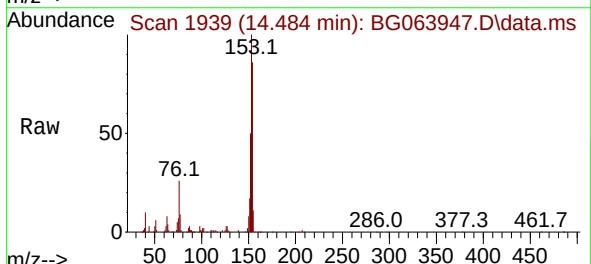
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

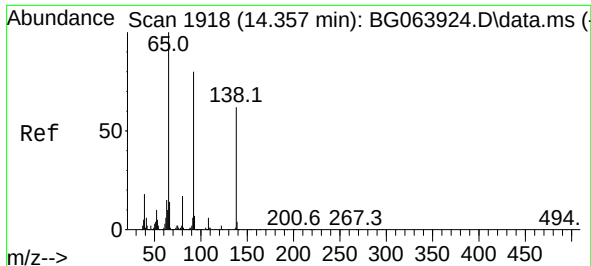
Tgt Ion:165 Resp: 31122
Ion Ratio Lower Upper
165 100
63 69.9 53.9 80.9
89 75.4 53.8 80.8



#52
Acenaphthene
Concen: 5.838 ng
RT: 14.484 min Scan# 1939
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:154 Resp: 116519
Ion Ratio Lower Upper
154 100
153 116.7 93.4 140.0
152 58.2 46.1 69.1

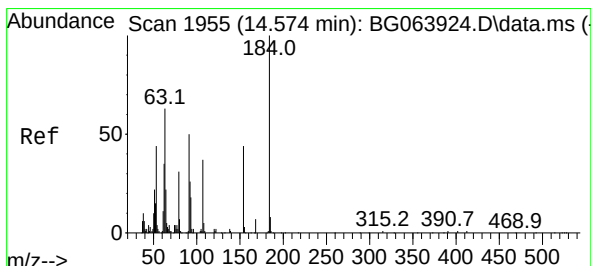
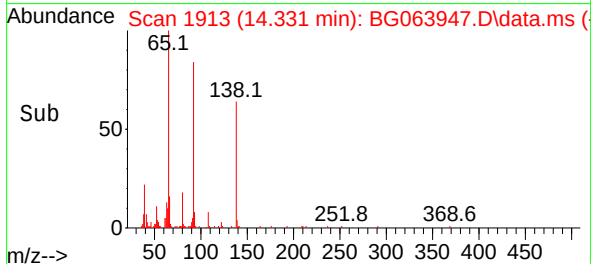
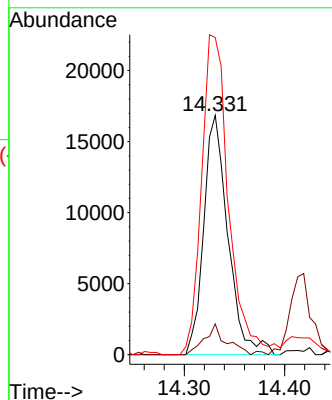
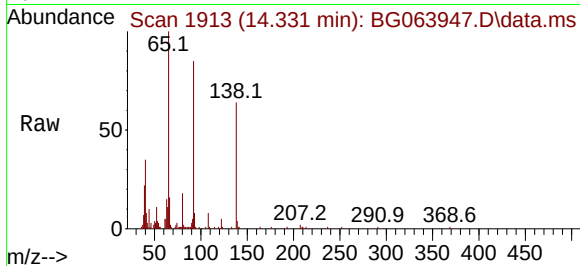




#53
3-Nitroaniline
Concen: 5.164 ng
RT: 14.331 min Scan# 1913
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

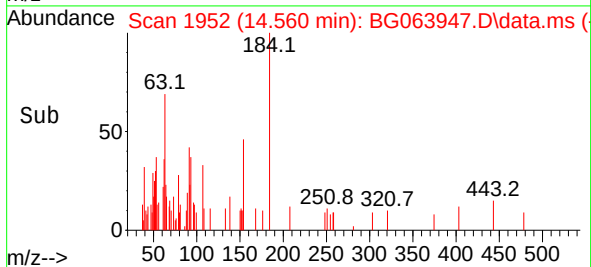
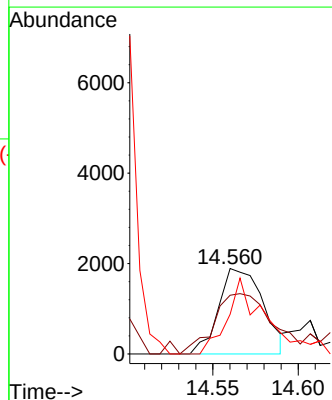
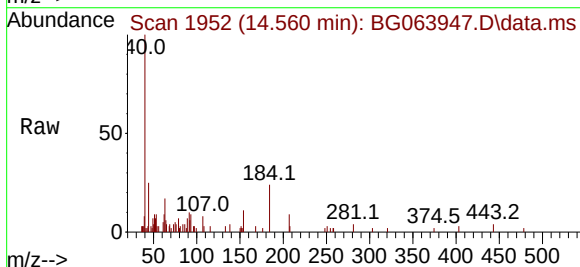
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

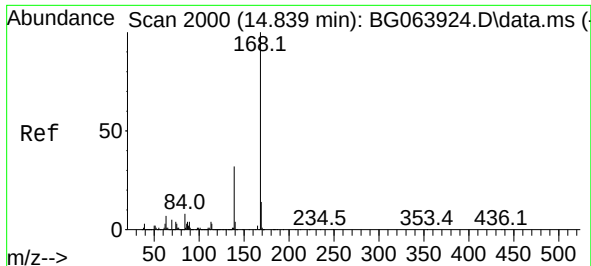
Tgt Ion:138 Resp: 28298
Ion Ratio Lower Upper
138 100
108 12.9 7.8 11.8#
92 132.5 104.2 156.2



#54
2,4-Dinitrophenol
Concen: 8.942 ng
RT: 14.560 min Scan# 1952
Delta R.T. -0.014 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:184 Resp: 3413
Ion Ratio Lower Upper
184 100
63 68.8 50.8 76.2
154 46.4 44.2 66.2

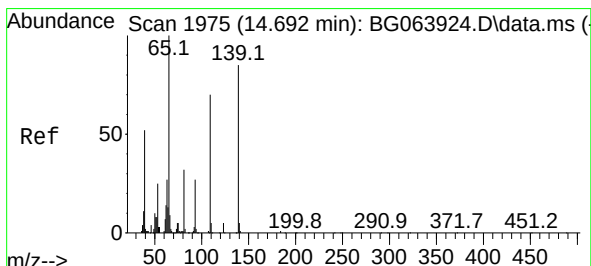
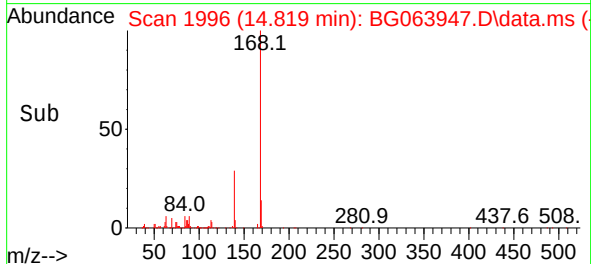
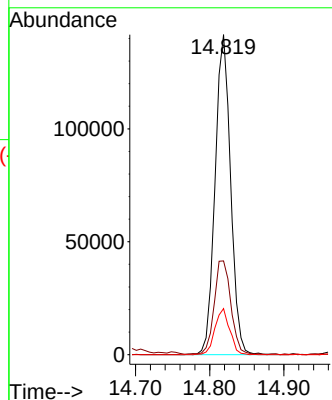
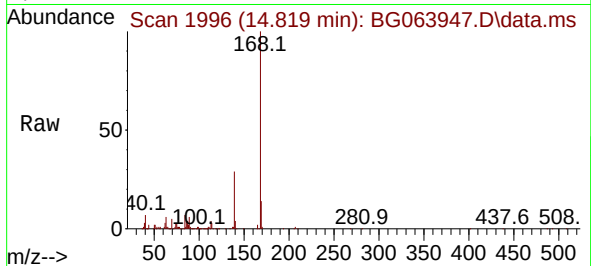




#55
Dibenzenofuran
Concen: 5.940 ng
RT: 14.819 min Scan# 1996
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

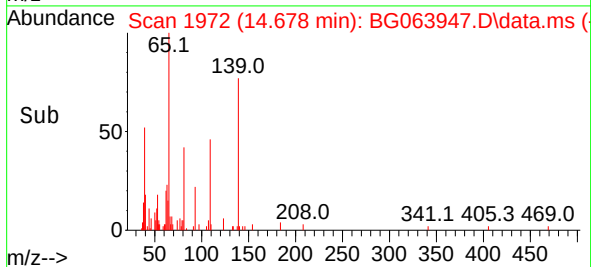
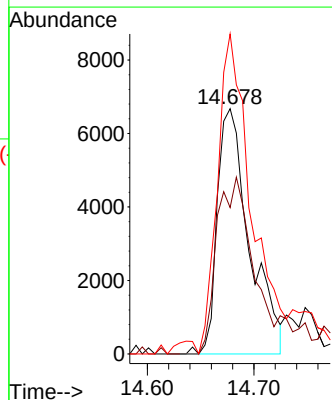
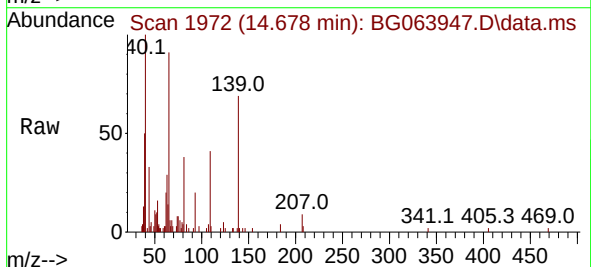
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

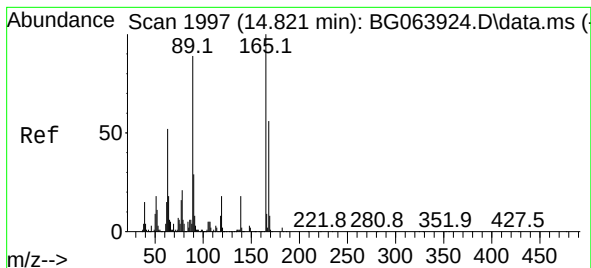
Tgt Ion:168 Resp: 205783
Ion Ratio Lower Upper
168 100
139 29.3 26.0 39.0
169 14.4 10.8 16.2



#56
4-Nitrophenol
Concen: 3.730 ng
RT: 14.678 min Scan# 1972
Delta R.T. -0.014 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:139 Resp: 14014
Ion Ratio Lower Upper
139 100
109 59.7 62.8 102.8#
65 130.5 98.2 138.2

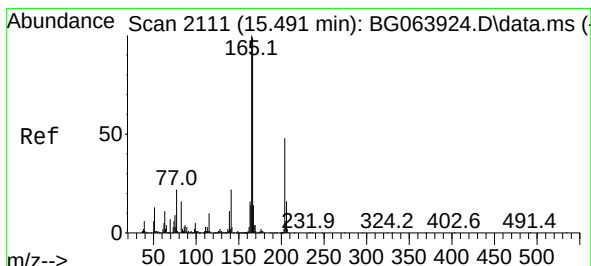
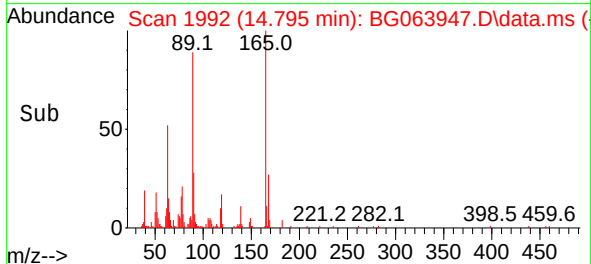
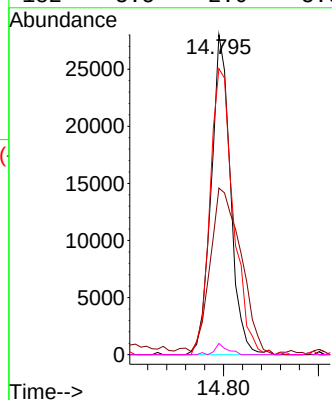
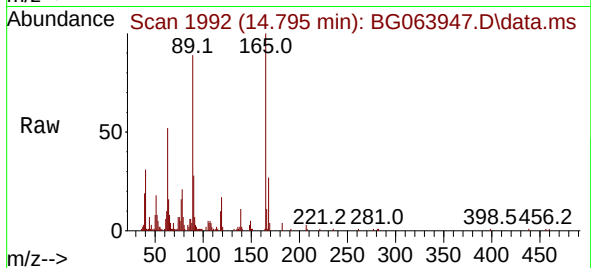




#57
2,4-Dinitrotoluene
Concen: 4.732 ng
RT: 14.795 min Scan# 11
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

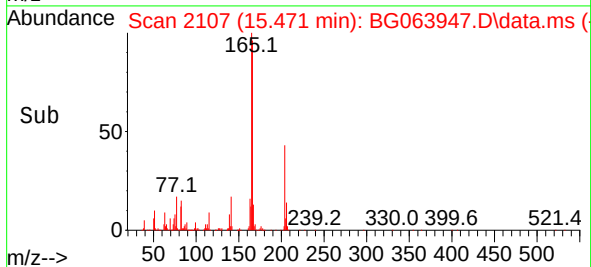
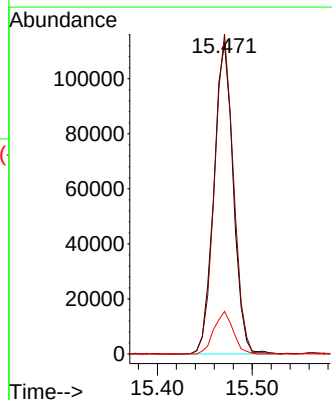
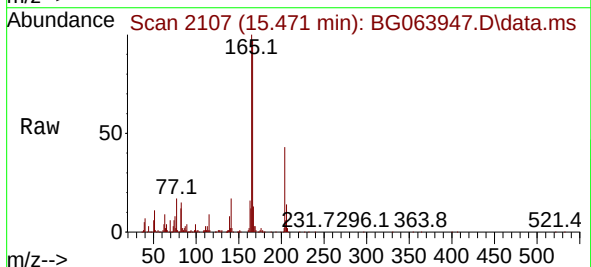
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

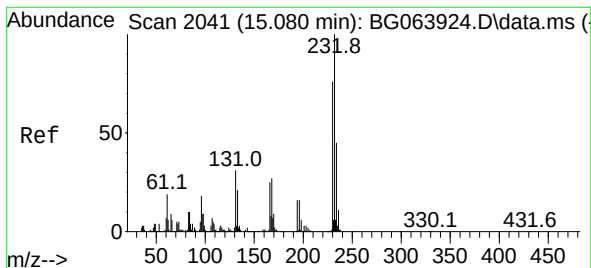
Tgt Ion:165 Resp: 39676
Ion Ratio Lower Upper
165 100
63 52.1 41.6 62.4
89 89.4 71.0 106.6
182 3.5 2.0 3.0#



#58
Fluorene
Concen: 5.981 ng
RT: 15.471 min Scan# 2107
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:166 Resp: 160980
Ion Ratio Lower Upper
166 100
165 103.2 81.2 121.8
167 13.7 11.2 16.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 5.161 ng

RT: 15.054 min Scan# 2036

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:232 Resp: 37085

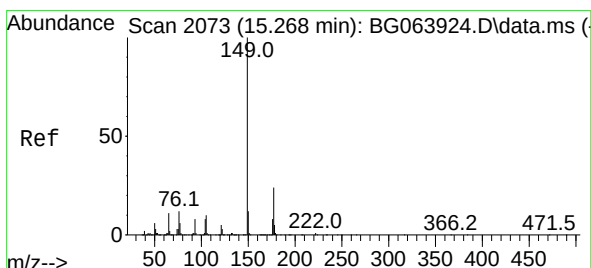
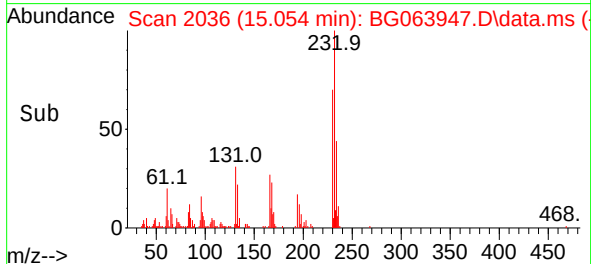
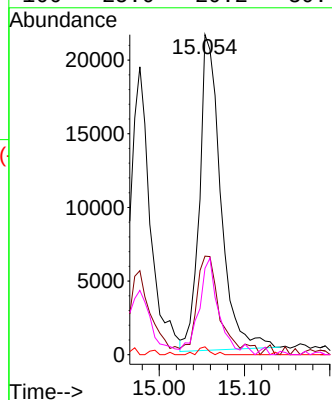
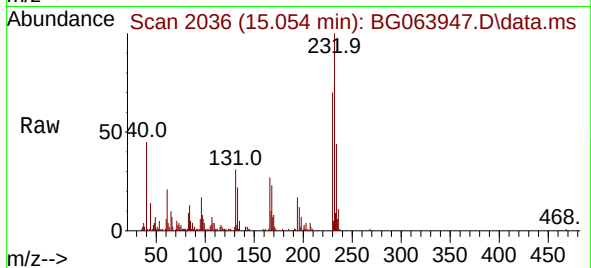
Ion Ratio Lower Upper

232 100

131 32.8 25.8 38.6

130 1.4 1.5 2.3#

166 25.0 20.2 30.4



#60

Diethylphthalate

Concen: 5.552 ng

RT: 15.242 min Scan# 2068

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

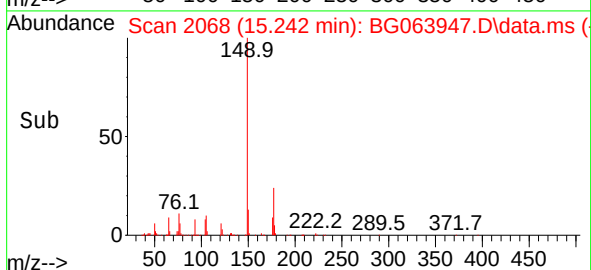
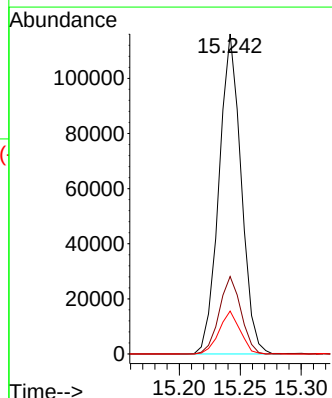
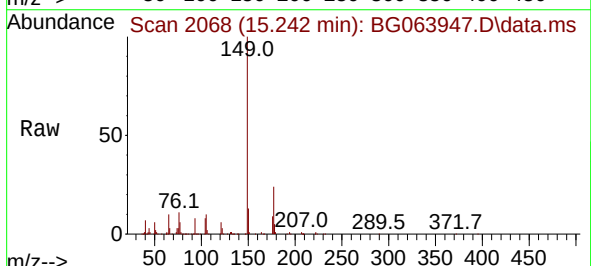
Tgt Ion:149 Resp: 146762

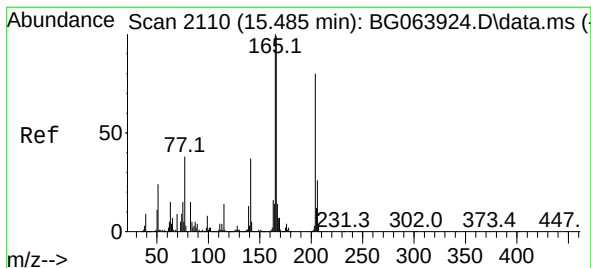
Ion Ratio Lower Upper

149 100

177 24.2 19.1 28.7

150 13.4 9.8 14.8

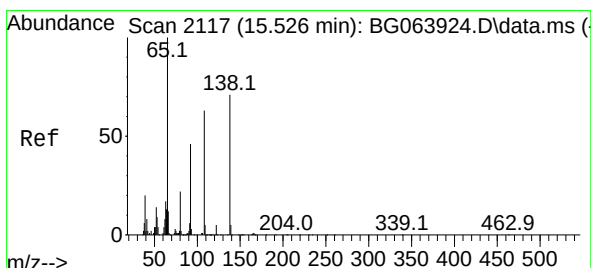
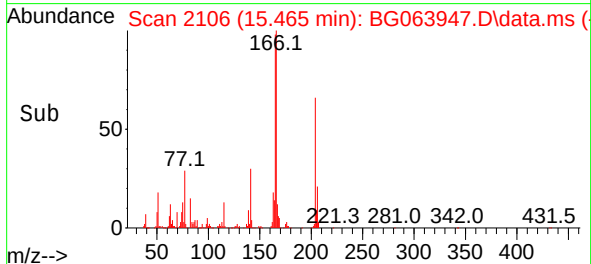
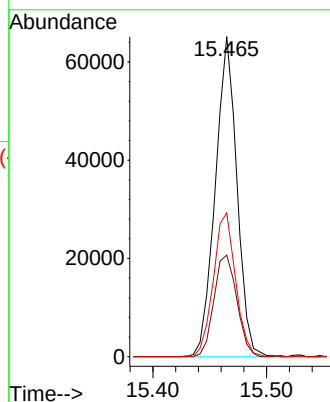
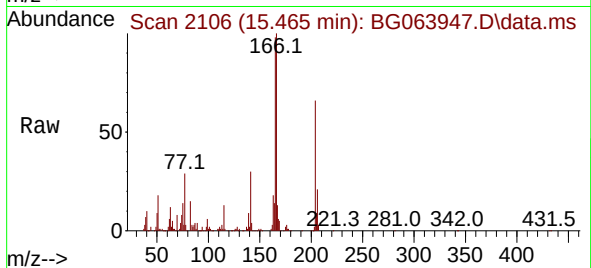




#61
4-Chlorophenyl-phenylether
Concen: 5.894 ng
RT: 15.465 min Scan# 2110
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

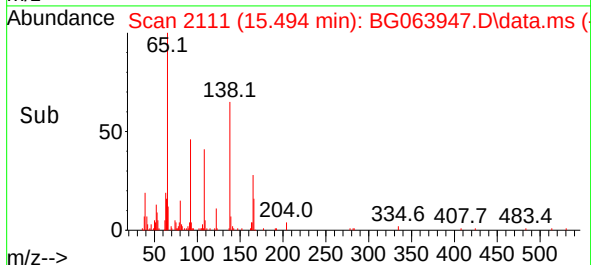
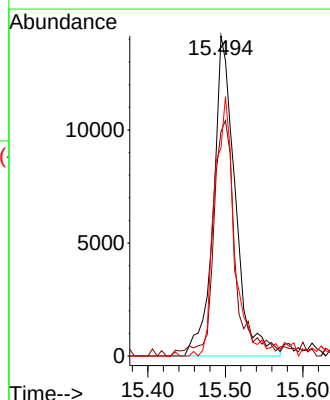
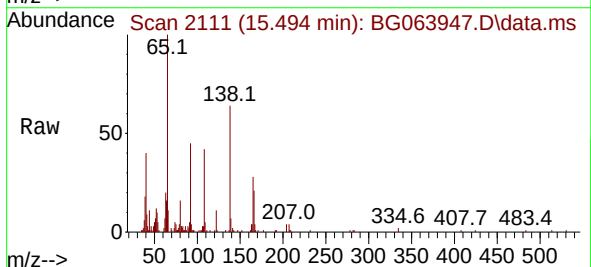
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

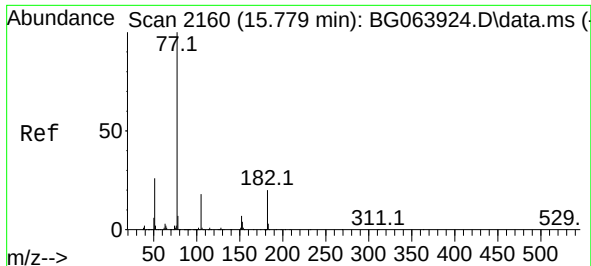
Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.3	39.5
141	44.9	36.6	55.0



#62
4-Nitroaniline
Concen: 4.858 ng
RT: 15.494 min Scan# 2111
Delta R.T. -0.032 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	70.1	43.9	83.9
108	65.0	68.3	108.3

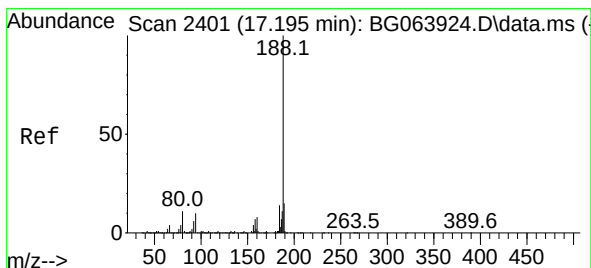
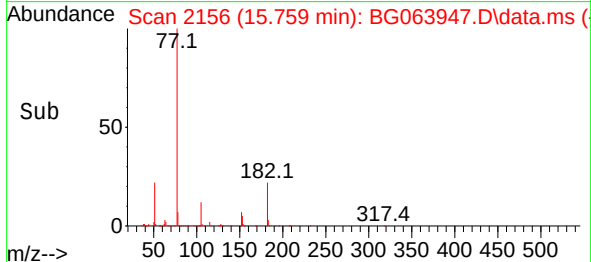
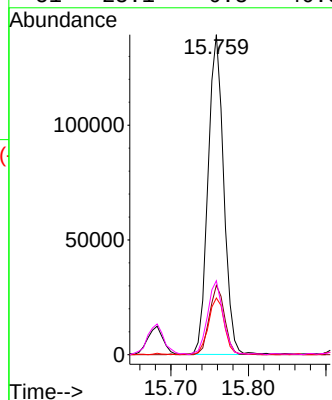
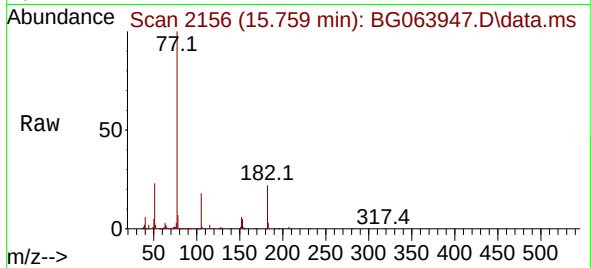




#63
Azobenzene
Concen: 5.844 ng
RT: 15.759 min Scan# 2160
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

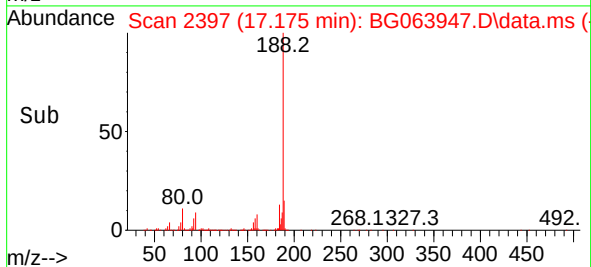
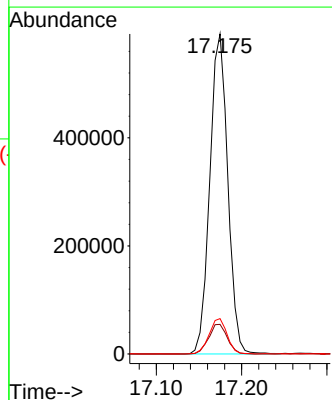
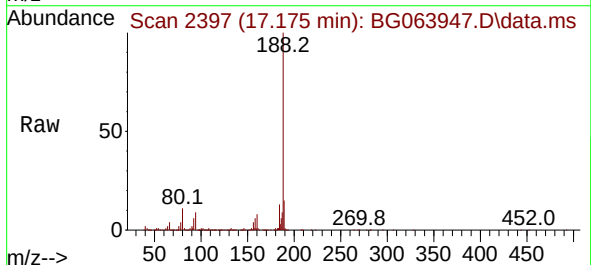
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

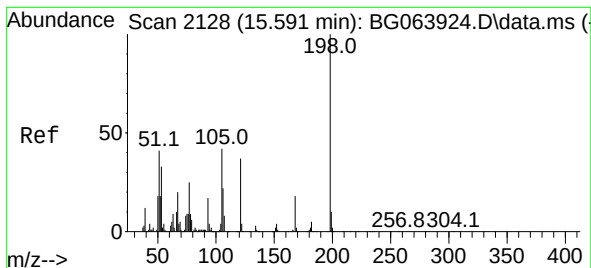
Tgt Ion:	77	Resp:	195408
Ion	Ratio	Lower	Upper
77	100		
182	21.6	0.2	40.2
105	17.7	0.0	37.9
51	23.1	6.3	46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2397
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:	188	Resp:	868342
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.4	12.6
80	11.1	9.1	13.7

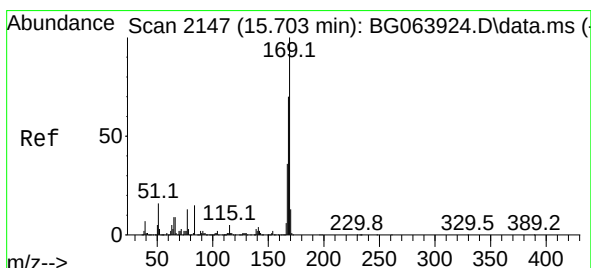
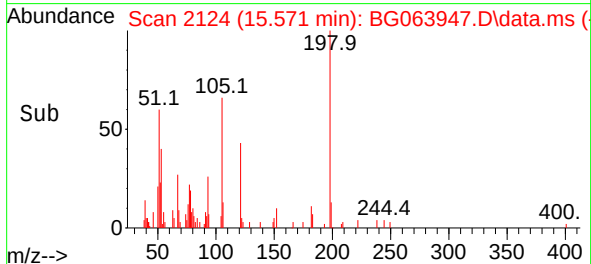
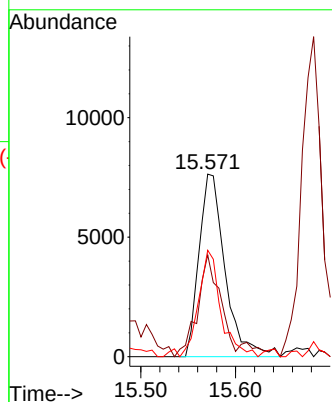
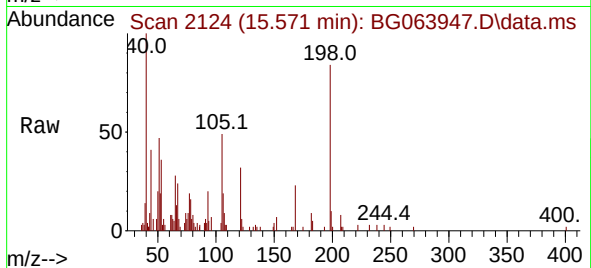




#65
4,6-Dinitro-2-methylphenol
Concen: 3.222 ng
RT: 15.571 min Scan# 2124
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

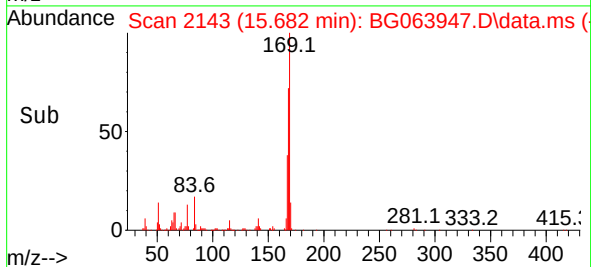
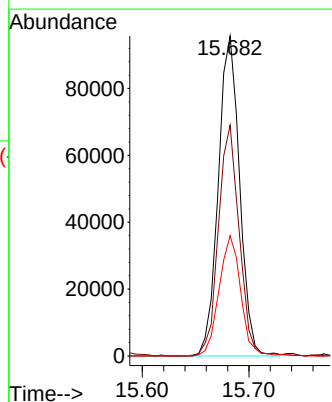
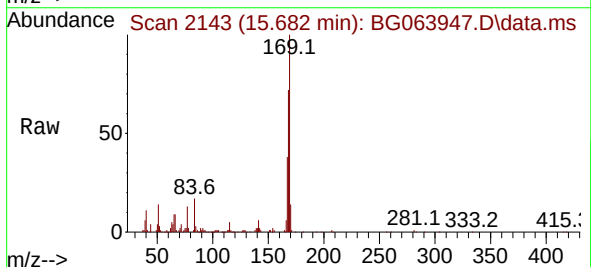
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

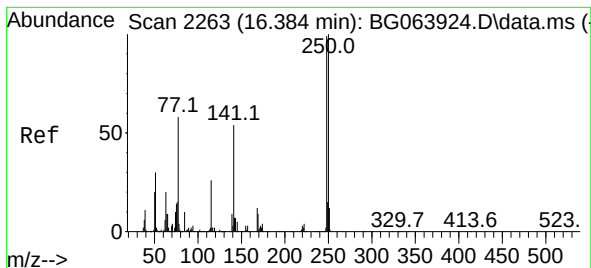
Tgt Ion:198 Resp: 14586
Ion Ratio Lower Upper
198 100
51 55.8 22.5 62.5
105 58.3 22.2 62.2



#66
n-Nitrosodiphenylamine
Concen: 5.871 ng
RT: 15.682 min Scan# 2143
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:169 Resp: 132773
Ion Ratio Lower Upper
169 100
168 72.2 56.2 84.2
167 37.6 29.2 43.8

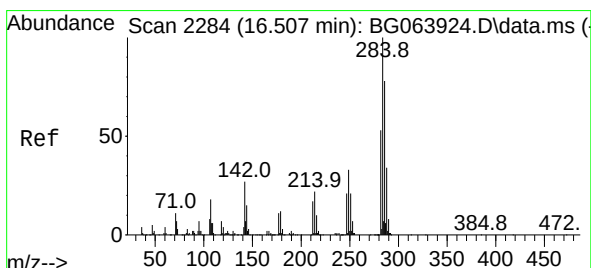
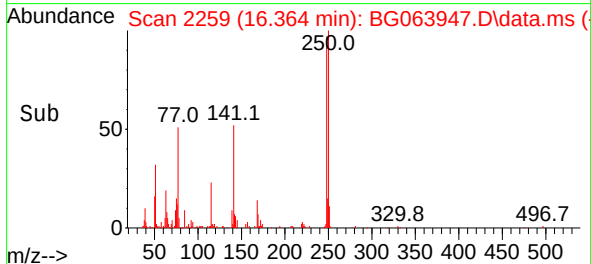
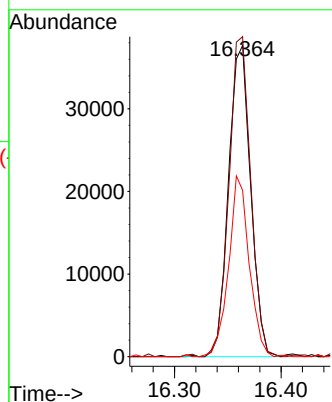
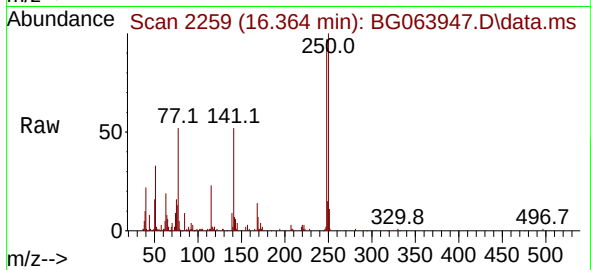




#67
4-Bromophenyl-phenylether
Concen: 5.650 ng
RT: 16.364 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

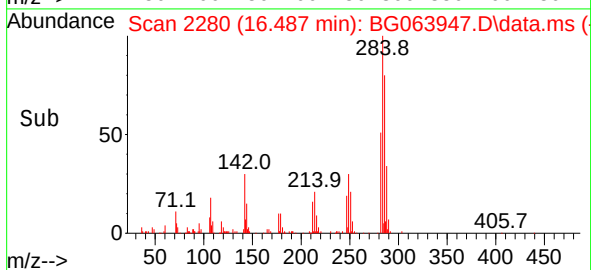
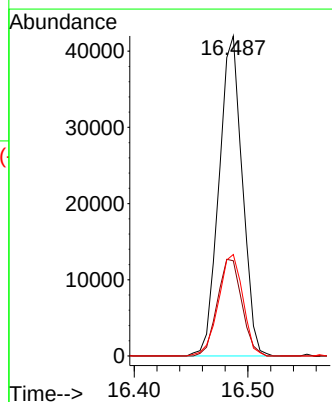
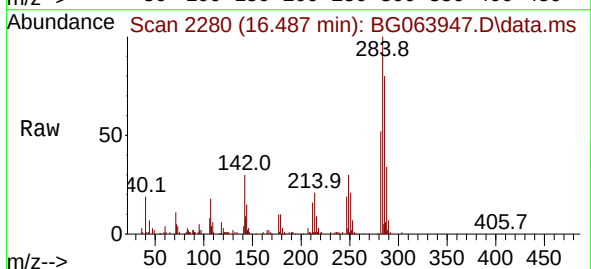
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

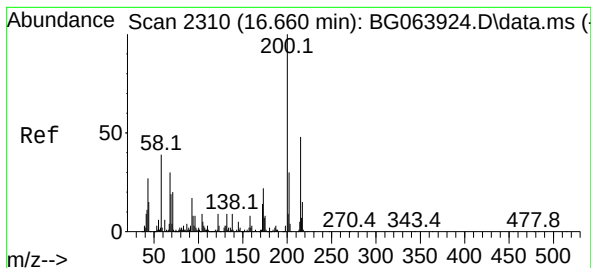
Tgt Ion:248 Resp: 54236
Ion Ratio Lower Upper
248 100
250 102.8 80.7 121.1
141 53.5 43.3 64.9



#68
Hexachlorobenzene
Concen: 5.460 ng
RT: 16.487 min Scan# 2280
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:284 Resp: 59837
Ion Ratio Lower Upper
284 100
142 29.8 22.0 33.0
249 31.7 26.2 39.2





#69

Atrazine

Concen: 7.044 ng

RT: 16.634 min Scan# 2305

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

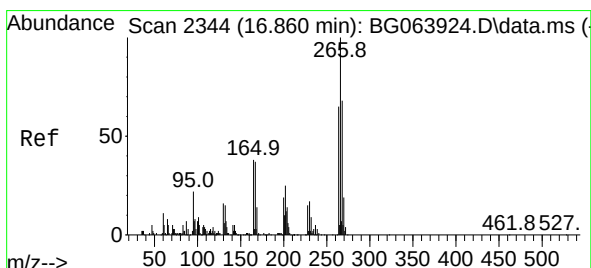
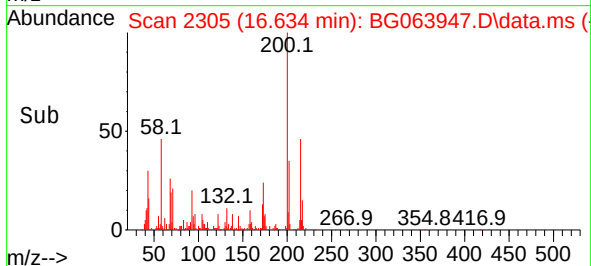
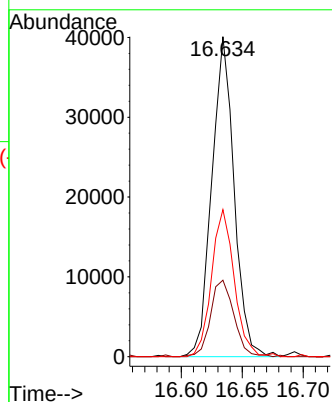
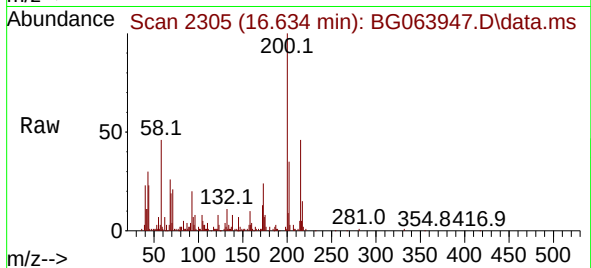
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:200	Resp:	51066
Ion Ratio	Lower	Upper
200	100	
173	23.9	2.4 42.4
215	45.9	27.6 67.6



#70

Pentachlorophenol

Concen: 3.694 ng

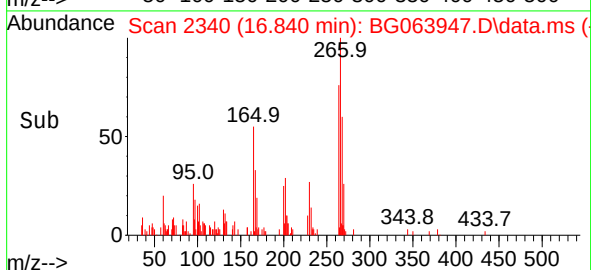
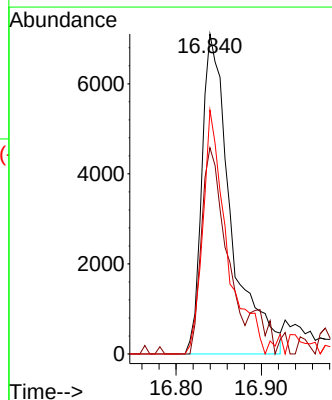
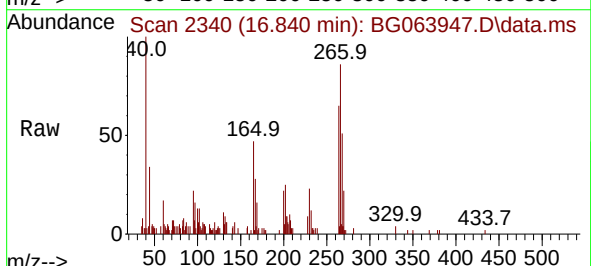
RT: 16.840 min Scan# 2340

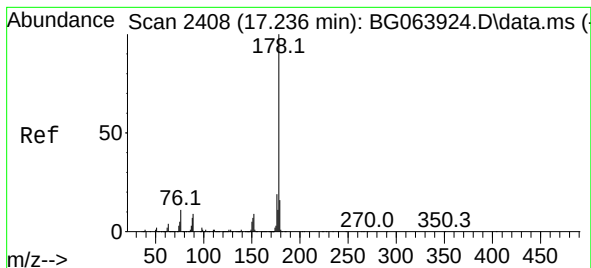
Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Tgt Ion:266	Resp:	16795
Ion Ratio	Lower	Upper
266	100	
268	64.4	54.5 81.7
264	80.5	52.2 78.4





#71

Phenanthrene

Concen: 6.178 ng

RT: 17.216 min Scan# 2404

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

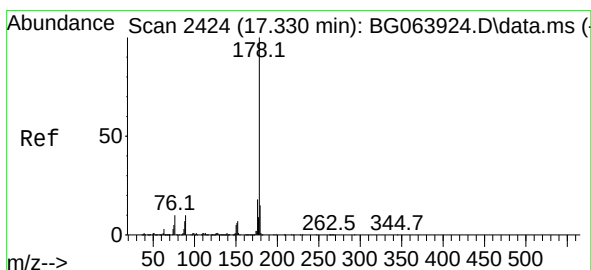
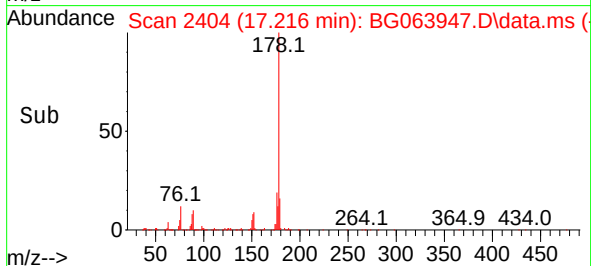
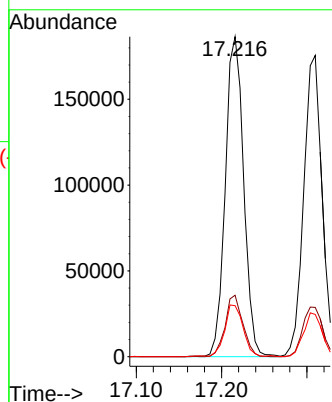
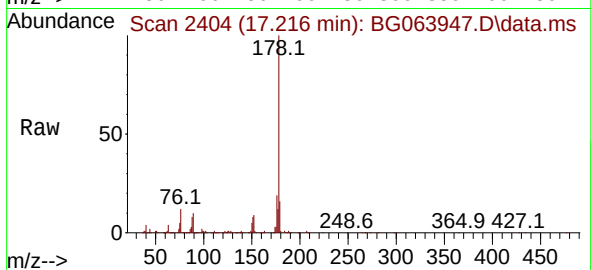
Tgt Ion:178 Resp: 279044

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.4

179 16.0 12.5 18.7



#72

Anthracene

Concen: 5.932 ng

RT: 17.310 min Scan# 2420

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

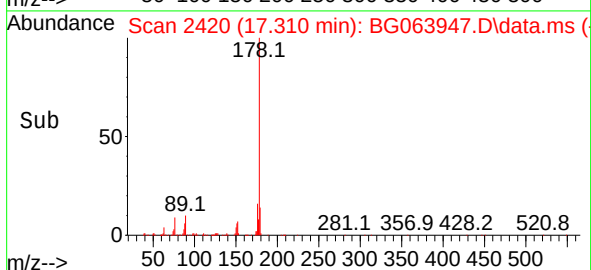
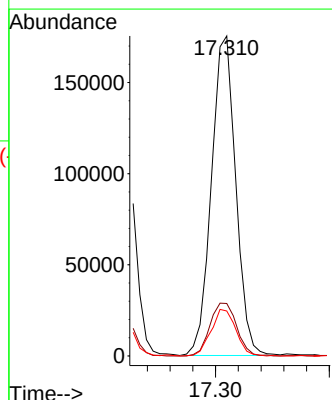
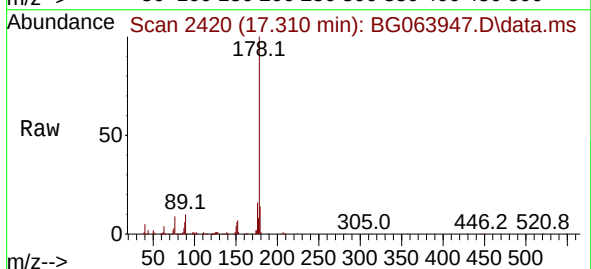
Tgt Ion:178 Resp: 260816

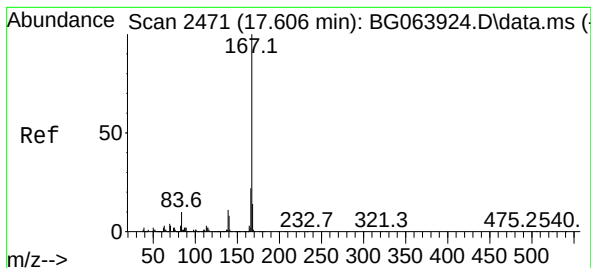
Ion Ratio Lower Upper

178 100

176 16.4 14.5 21.7

179 14.0 12.1 18.1





#73

Carbazole

Concen: 5.969 ng

RT: 17.580 min Scan# 2471

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

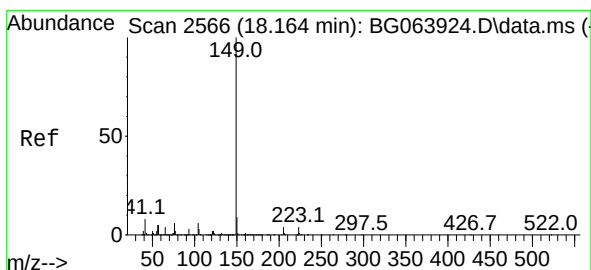
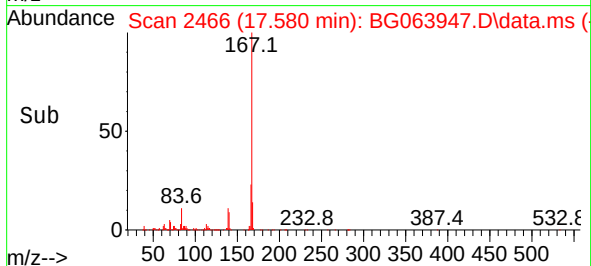
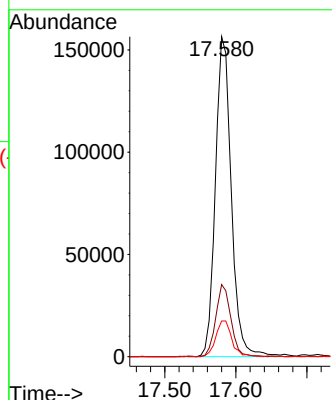
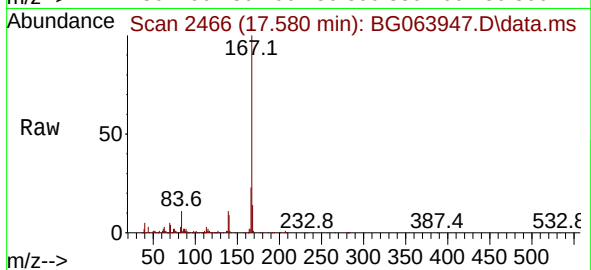
Tgt Ion:167 Resp: 242383

Ion Ratio Lower Upper

167 100

166 22.5 17.4 26.0

139 11.1 9.0 13.6



#74

Di-n-butylphthalate

Concen: 5.513 ng

RT: 18.144 min Scan# 2562

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

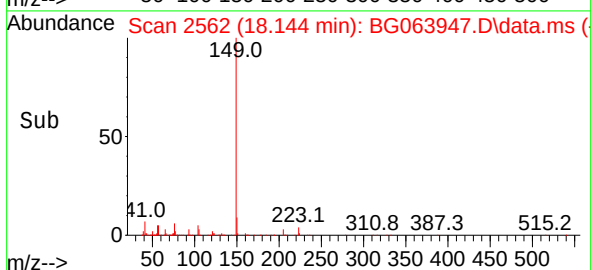
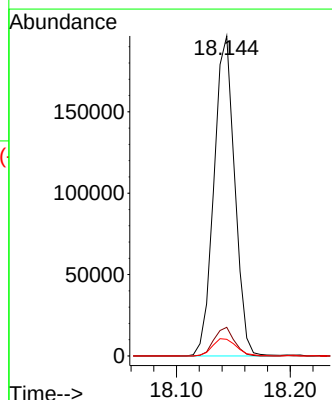
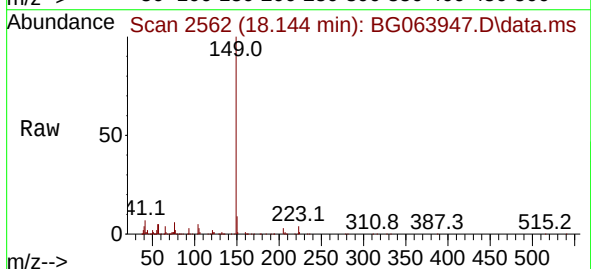
Tgt Ion:149 Resp: 249449

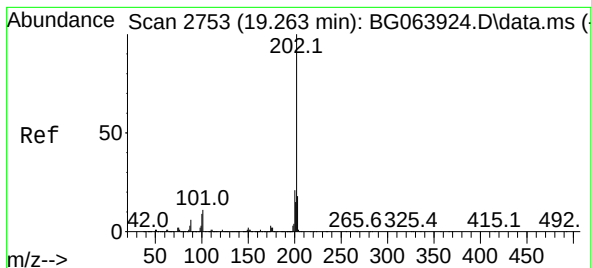
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

104 5.2 4.9 7.3





#75

Fluoranthene

Concen: 6.100 ng

RT: 19.243 min Scan# 21

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

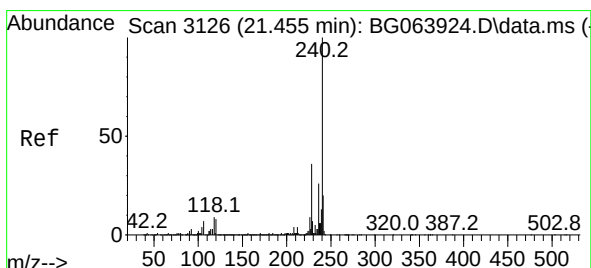
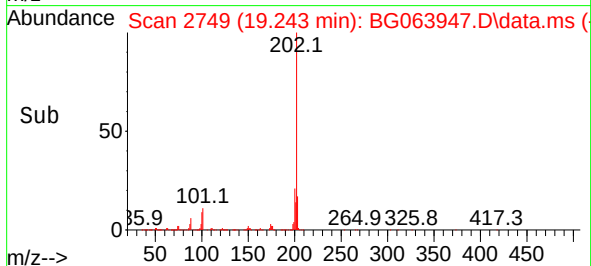
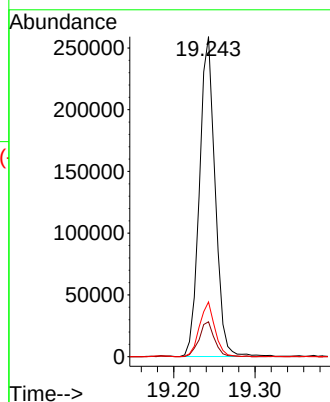
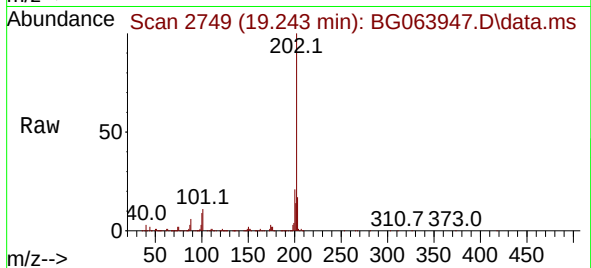
Tgt Ion:202 Resp: 347686

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.1

203 17.1 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.428 min Scan# 3121

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

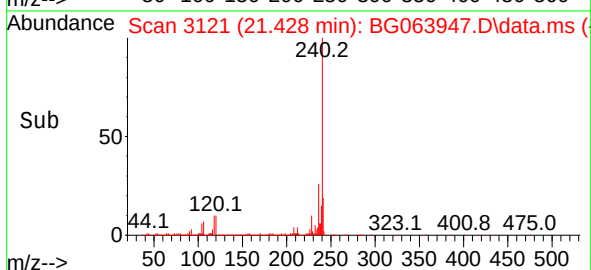
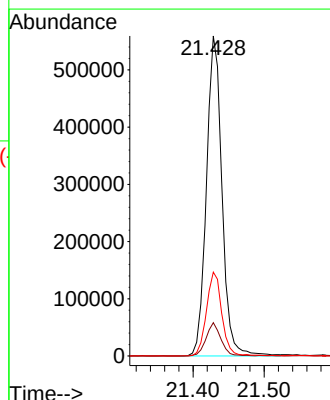
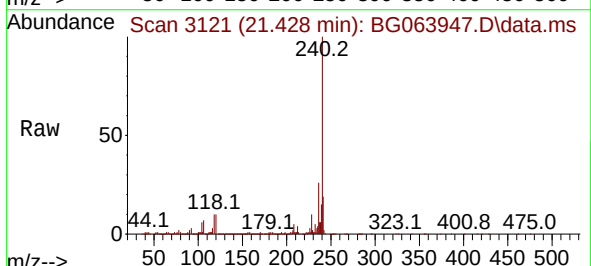
Tgt Ion:240 Resp: 852810

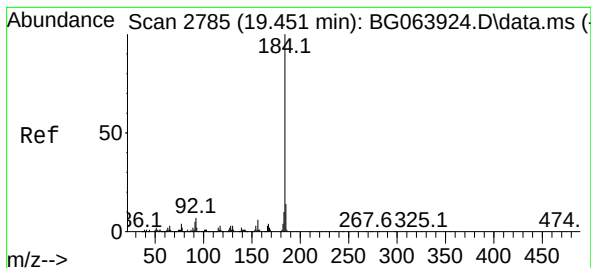
Ion Ratio Lower Upper

240 100

120 10.4 6.7 10.1#

236 26.2 21.2 31.8





#77

Benzidine

Concen: 3.746 ng

RT: 19.425 min Scan# 21

Delta R.T. -0.026 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

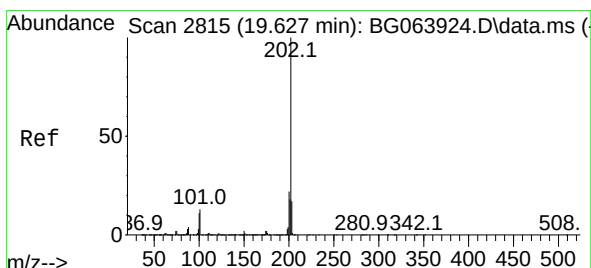
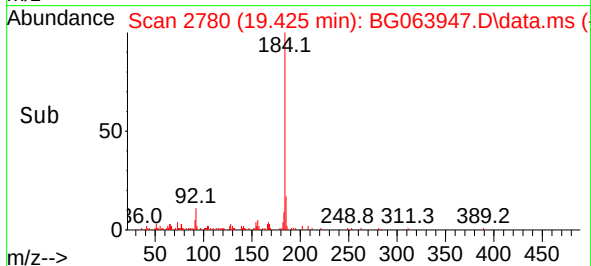
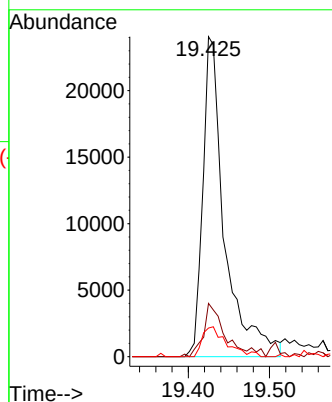
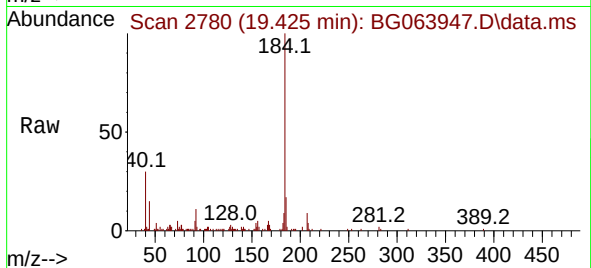
Tgt Ion:184 Resp: 44699

Ion Ratio Lower Upper

184 100

185 16.6 11.4 17.2

183 8.9 8.4 12.6



#78

Pyrene

Concen: 6.067 ng

RT: 19.607 min Scan# 2811

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

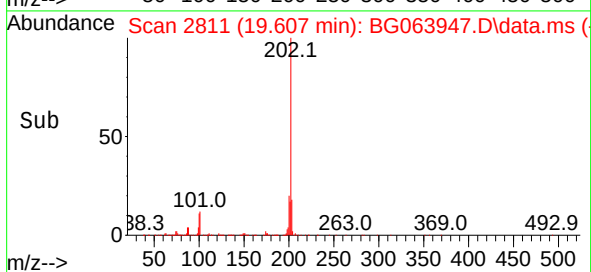
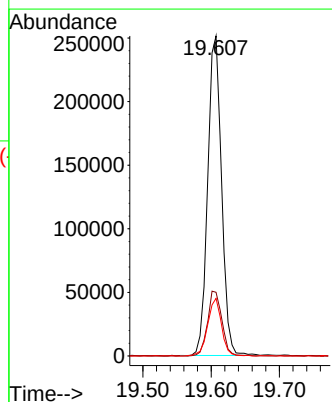
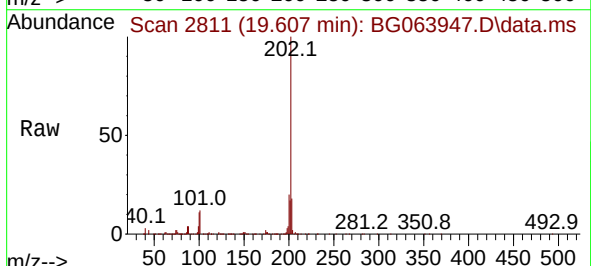
Tgt Ion:202 Resp: 354895

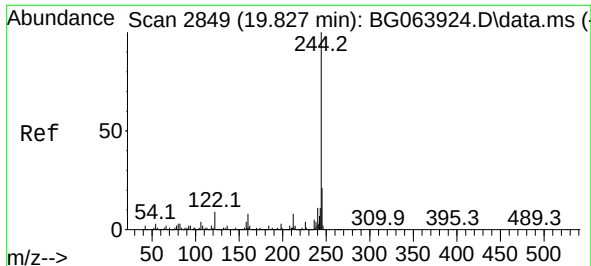
Ion Ratio Lower Upper

202 100

200 19.9 17.3 25.9

203 18.0 13.9 20.9





#79

Terphenyl-d14

Concen: 66.277 ng

RT: 19.813 min Scan# 2846

Delta R.T. -0.014 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

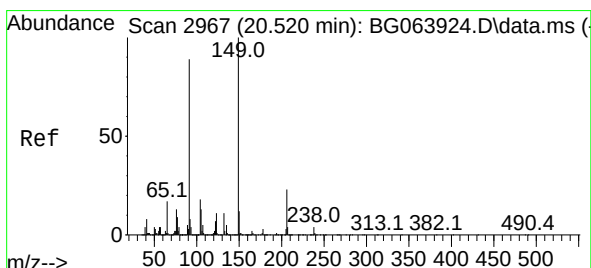
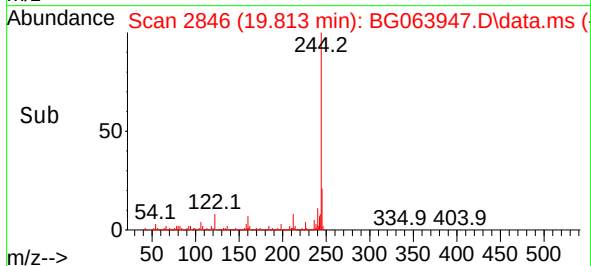
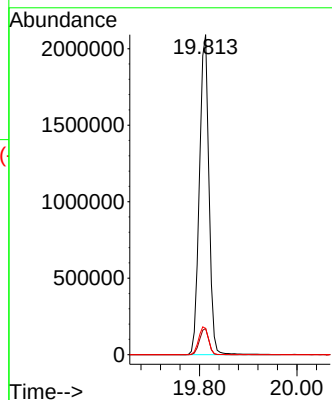
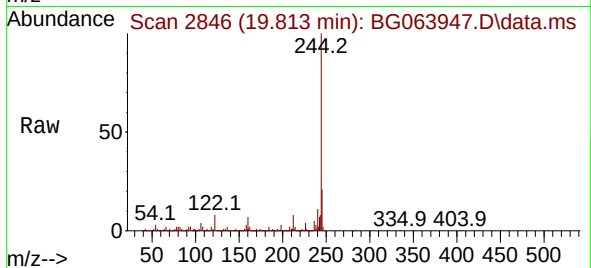
Tgt Ion:244 Resp: 2846667

Ion Ratio Lower Upper

244 100

212 8.2 6.7 10.1

122 8.2 7.4 11.0



#80

Butylbenzylphthalate

Concen: 5.004 ng

RT: 20.500 min Scan# 2963

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

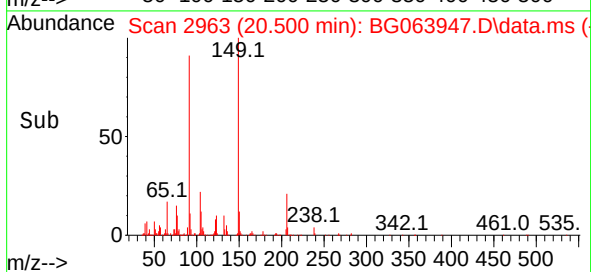
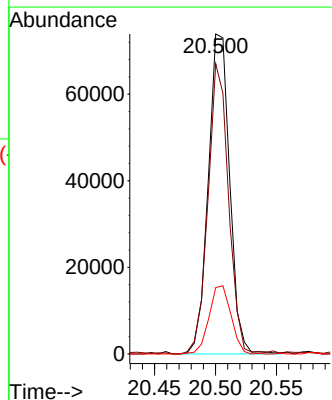
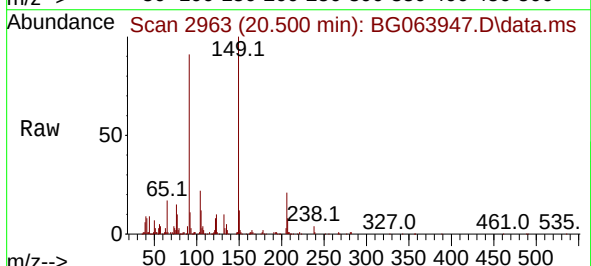
Tgt Ion:149 Resp: 90306

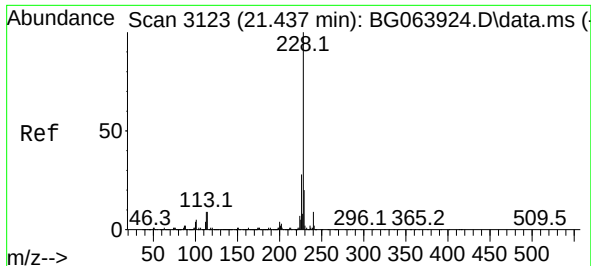
Ion Ratio Lower Upper

149 100

91 90.7 71.4 107.0

206 20.8 18.7 28.1

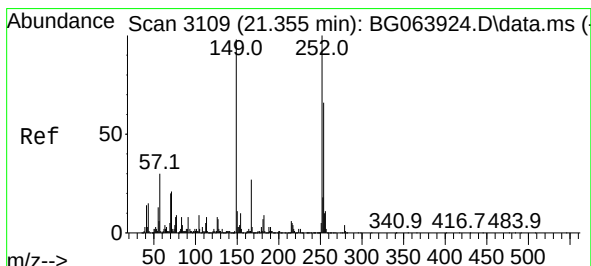
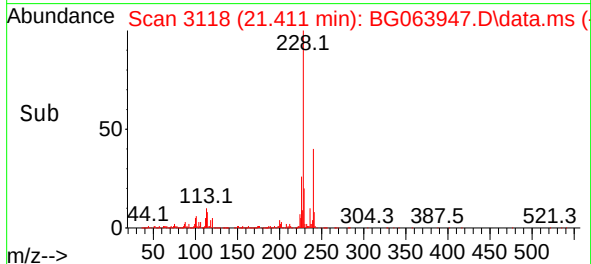
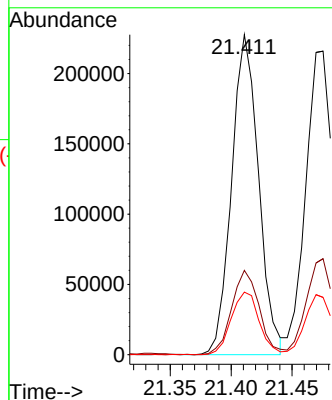
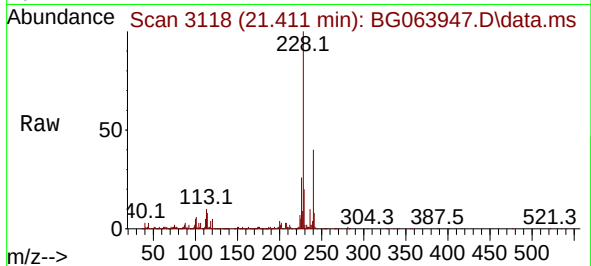




#81
Benzo(a)anthracene
Concen: 6.156 ng
RT: 21.411 min Scan# 3118
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

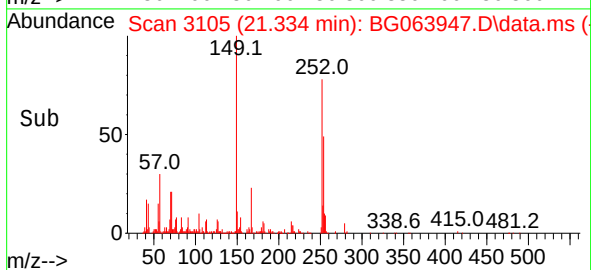
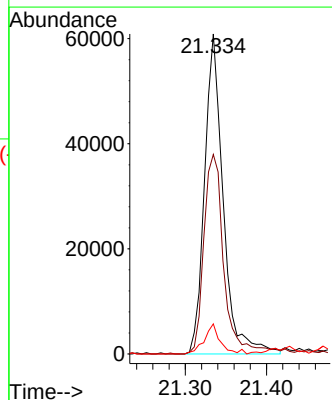
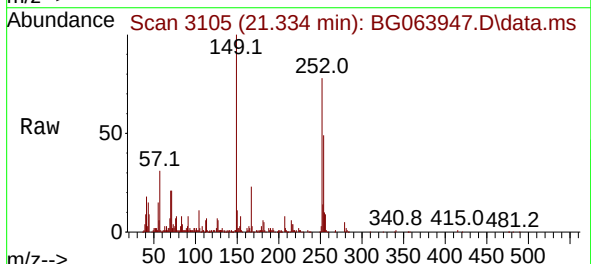
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

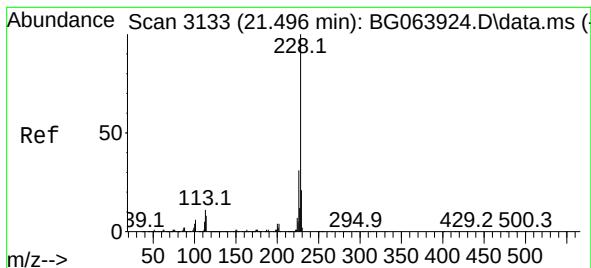
Tgt Ion:228 Resp: 351189
Ion Ratio Lower Upper
228 100
226 26.3 22.2 33.2
229 19.5 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 5.475 ng
RT: 21.334 min Scan# 3105
Delta R.T. -0.020 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:252 Resp: 97025
Ion Ratio Lower Upper
252 100
254 62.3 52.6 78.8
126 9.4 6.2 9.2#





#83

Chrysene

Concen: 6.322 ng

RT: 21.475 min Scan# 31

Delta R.T. -0.020 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

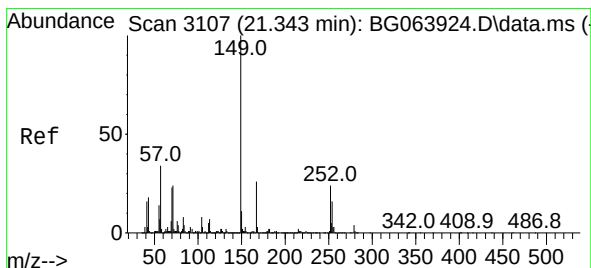
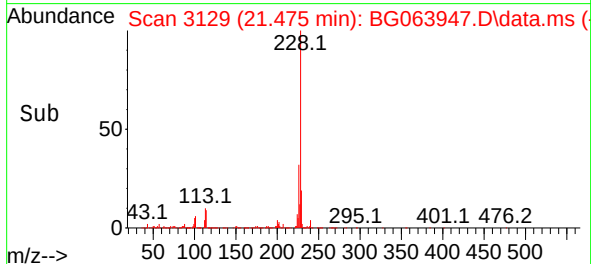
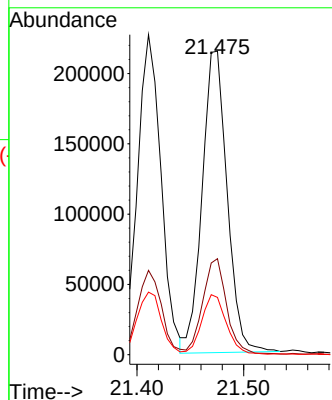
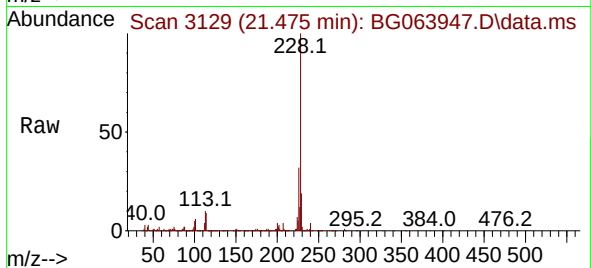
Tgt Ion:228 Resp: 350176

Ion Ratio Lower Upper

228 100

226 31.6 24.6 37.0

229 18.9 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.947 ng

RT: 21.329 min Scan# 3104

Delta R.T. -0.014 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

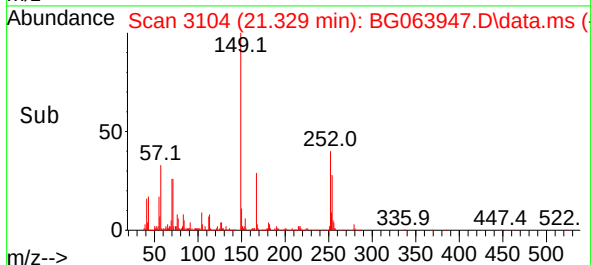
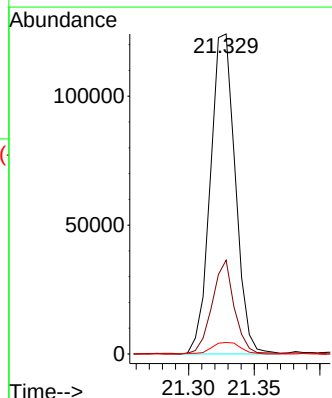
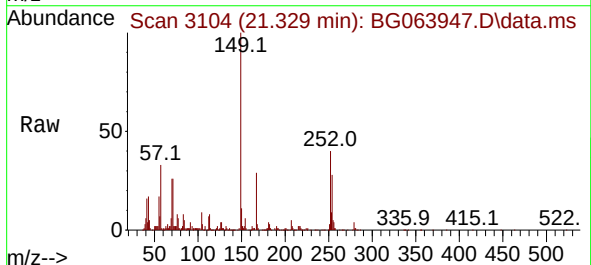
Tgt Ion:149 Resp: 164115

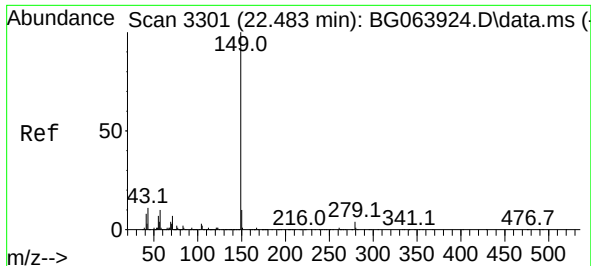
Ion Ratio Lower Upper

149 100

167 29.3 20.6 31.0

279 3.6 2.9 4.3

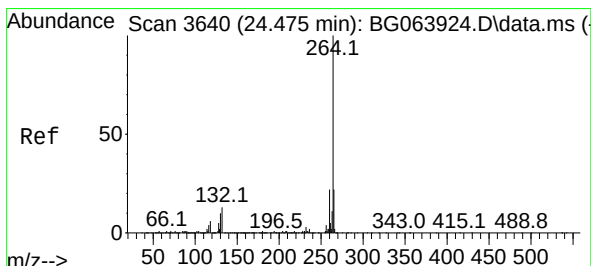
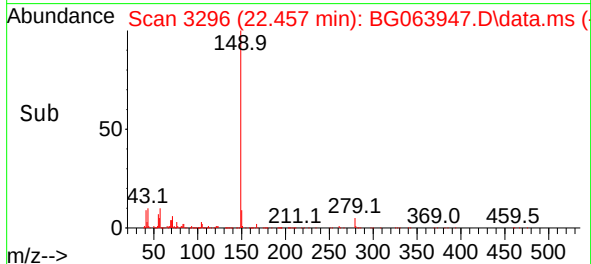
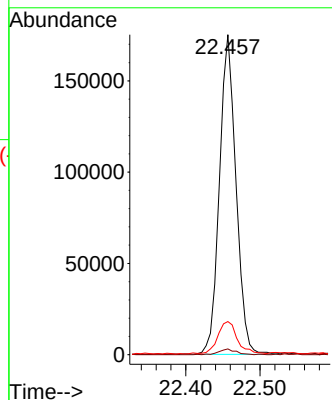
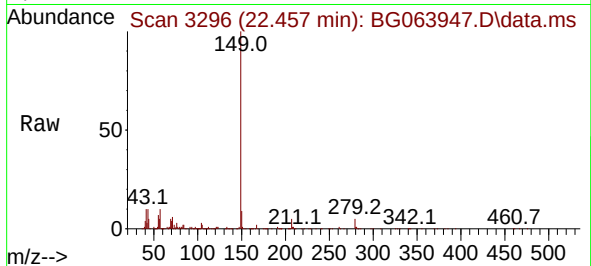




#85
Di-n-octyl phthalate
Concen: 5.658 ng
RT: 22.457 min Scan# 31
Delta R.T. -0.026 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

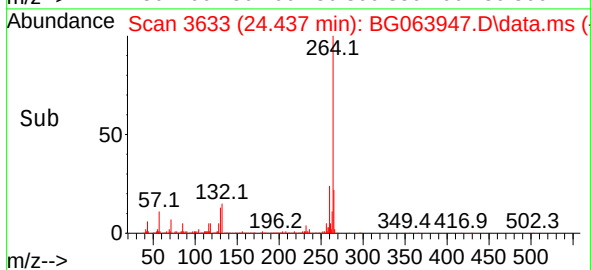
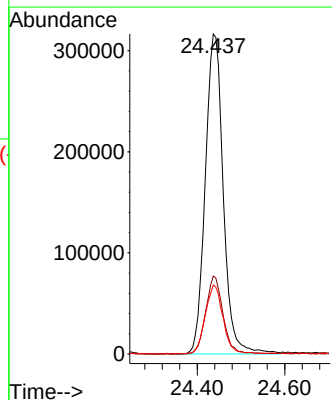
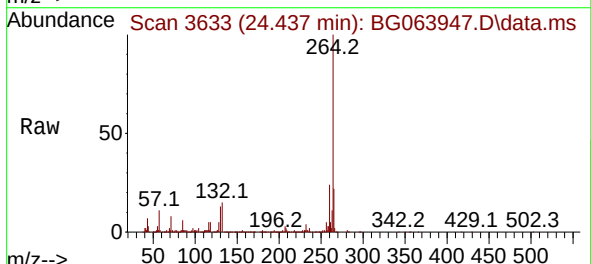
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

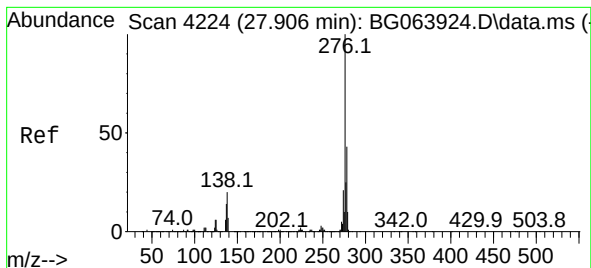
Tgt Ion:149 Resp: 272021
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 11.9 8.7 13.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.437 min Scan# 3633
Delta R.T. -0.038 min
Lab File: BG063947.D
Acq: 10 Jan 2025 12:07

Tgt Ion:264 Resp: 907391
Ion Ratio Lower Upper
264 100
260 24.3 17.4 26.0
265 21.6 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.285 ng

RT: 27.839 min Scan# 41

Delta R.T. -0.067 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

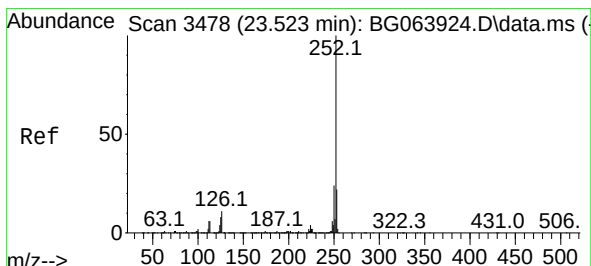
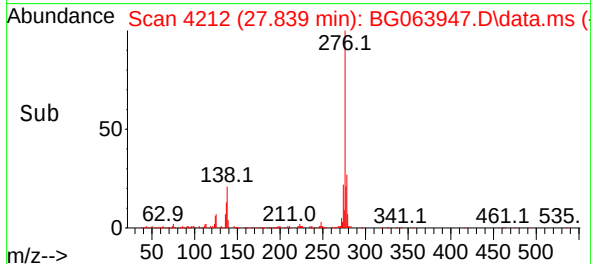
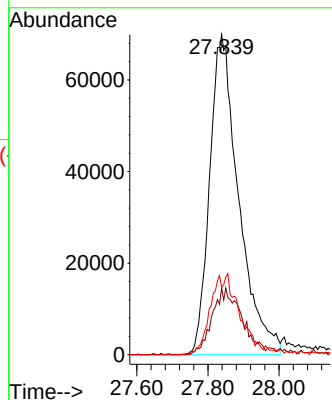
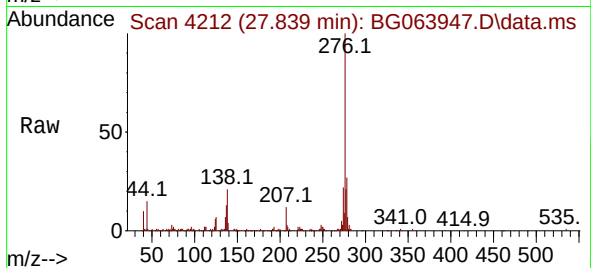
Tgt Ion:276 Resp: 396041

Ion Ratio Lower Upper

276 100

138 9.0 17.4 26.2#

277 10.6 19.6 29.4#



#88

Benzo(b)fluoranthene

Concen: 5.871 ng

RT: 23.491 min Scan# 3472

Delta R.T. -0.032 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

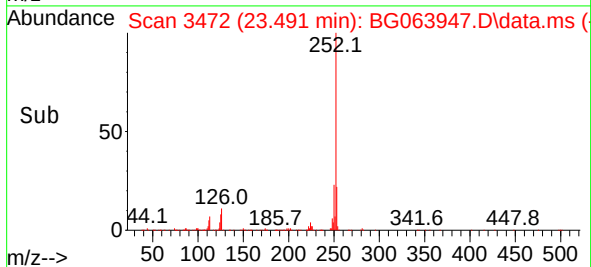
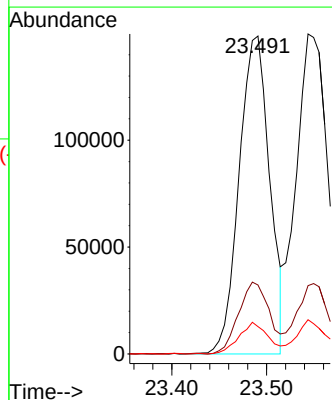
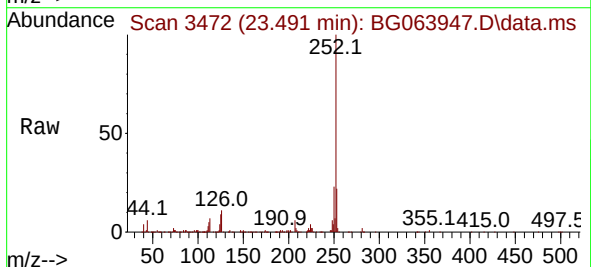
Tgt Ion:252 Resp: 333022

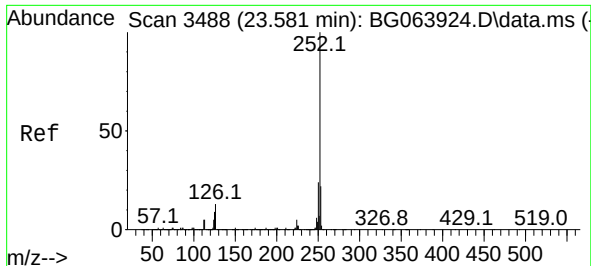
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 8.6 6.6 9.8





#89

Benzo(k)fluoranthene

Concen: 6.361 ng

RT: 23.544 min Scan# 34

Delta R.T. -0.038 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

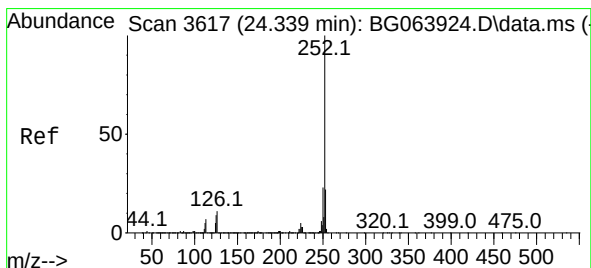
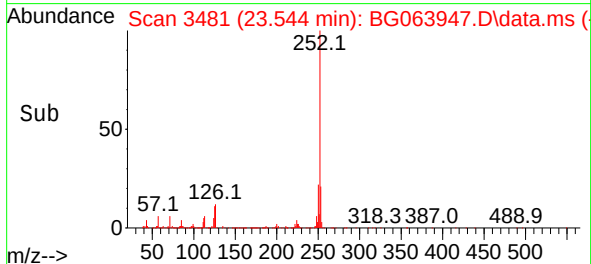
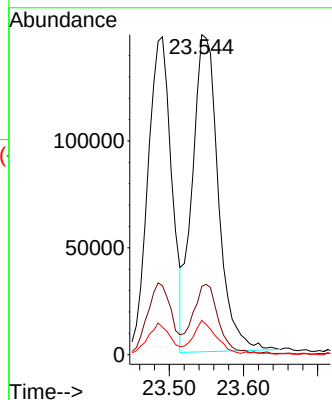
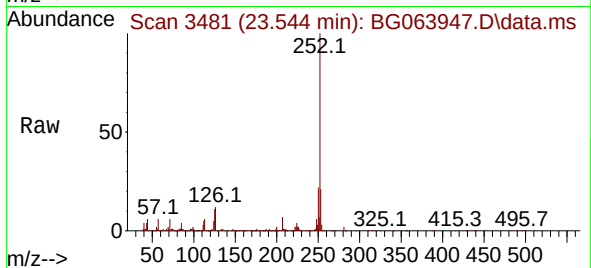
Tgt Ion:252 Resp: 362064

Ion Ratio Lower Upper

252 100

253 21.4 18.0 27.0

125 10.7 7.2 10.8



#90

Benzo(a)pyrene

Concen: 6.452 ng

RT: 24.296 min Scan# 3609

Delta R.T. -0.044 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

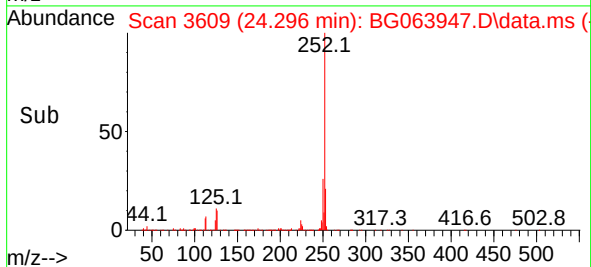
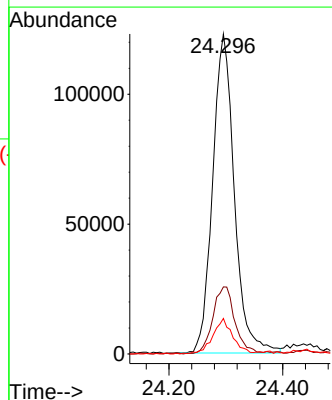
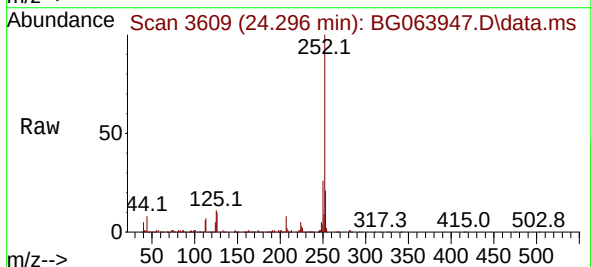
Tgt Ion:252 Resp: 325070

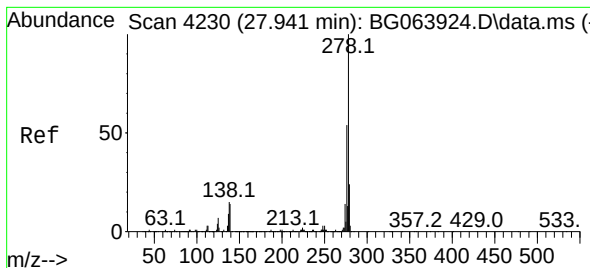
Ion Ratio Lower Upper

252 100

253 20.9 17.6 26.4

125 11.1 7.0 10.4#





#91

Dibenzo(a,h)anthracene

Concen: 6.245 ng

RT: 27.874 min Scan# 41

Delta R.T. -0.067 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

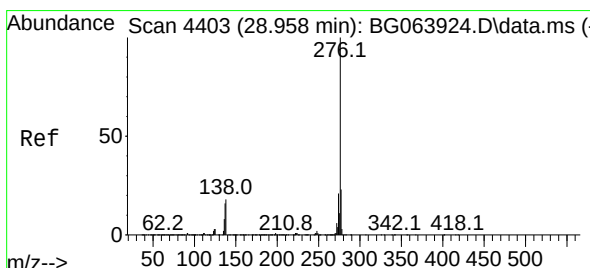
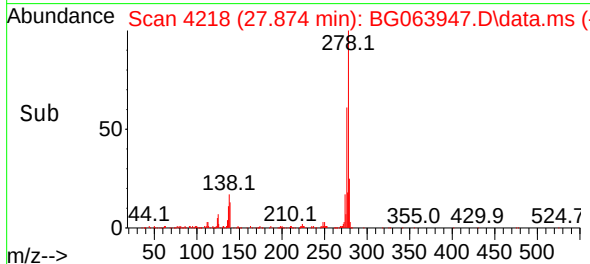
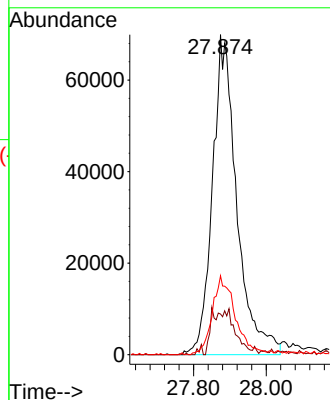
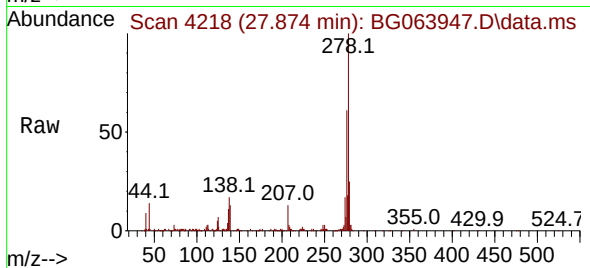
Tgt Ion:278 Resp: 325687

Ion Ratio Lower Upper

278 100

139 12.7 11.1 16.7

279 24.6 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 6.094 ng

RT: 28.884 min Scan# 4390

Delta R.T. -0.073 min

Lab File: BG063947.D

Acq: 10 Jan 2025 12:07

Tgt Ion:276 Resp: 326904

Ion Ratio Lower Upper

276 100

277 24.7 18.7 28.1

138 17.6 14.4 21.6

