

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011025\
 Data File : BG063945.D
 Acq On : 10 Jan 2025 10:46
 Operator : RC/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jan 10 11:34:41 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	7.762	152	135466	20.000	ng	-0.03
21) Naphthalene-d8	10.559	136	534991	20.000	ng	#-0.02
39) Acenaphthene-d10	14.419	164	383311	20.000	ng	-0.02
64) Phenanthrene-d10	17.175	188	925992	20.000	ng	-0.02
76) Chrysene-d12	21.428	240	918646	20.000	ng	-0.03
86) Perylene-d12	24.431	264	954828	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.353	112	856024	100.681	ng	-0.04
7) Phenol-d6	6.951	99	1300372	105.720	ng	-0.03
23) Nitrobenzene-d5	8.925	82	976681	71.913	ng	-0.03
42) 2,4,6-Tribromophenol	15.917	330	444482	96.162	ng	-0.02
45) 2-Fluorobiphenyl	13.032	172	1898683	71.760	ng	-0.02
79) Terphenyl-d14	19.813	244	2970640	64.206	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.250	88	19437	4.348	ng	99
3) Pyridine	3.649	79	42841	3.558	ng	# 82
4) n-Nitrosodimethylamine	3.561	42	18616	4.045	ng	# 80
6) Aniline	7.092	93	58196	5.447	ng	# 87
8) 2-Chlorophenol	7.339	128	37460	4.532	ng	89
9) Benzaldehyde	6.904	77	44218	5.630	ng	94
10) Phenol	6.981	94	55951	4.369	ng	92
11) bis(2-Chloroethyl)ether	7.192	93	44087	4.391	ng	94
12) 1,3-Dichlorobenzene	7.656	146	43523	4.368	ng	96
13) 1,4-Dichlorobenzene	7.803	146	44066	4.425	ng	95
14) 1,2-Dichlorobenzene	8.115	146	44520	4.542	ng	97
15) Benzyl Alcohol	8.015	79	33682	3.816	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.285	45	65196	4.511	ng	98
17) 2-Methylphenol	8.226	107	32685	3.932	ng	95
18) Hexachloroethane	8.843	117	16539	4.282	ng	84
19) n-Nitroso-di-n-propyla...	8.567	70	38796	4.319	ng	# 95
20) 3+4-Methylphenols	8.549	107	43134	3.858	ng	95
22) Acetophenone	8.590	105	72292	4.500	ng	# 91
24) Nitrobenzene	8.966	77	58909	4.040	ng	99
25) Isophorone	9.484	82	102844	4.297	ng	98
26) 2-Nitrophenol	9.683	139	16670	3.603	ng	95
27) 2,4-Dimethylphenol	9.748	122	11813	2.002	ng	97
28) bis(2-Chloroethoxy)met...	9.971	93	58818	4.121	ng	99
29) 2,4-Dichlorophenol	10.224	162	33994	3.856	ng	94
30) 1,2,4-Trichlorobenzene	10.424	180	43665	4.095	ng	90
31) Naphthalene	10.606	128	128543	4.432	ng	98
32) Benzoic acid	10.230	122	362	0.092	ng	88
33) 4-Chloroaniline	10.729	127	41201	4.376	ng	# 88
34) Hexachlorobutadiene	10.894	225	29311	4.010	ng	97
35) Caprolactam	11.464	113	11120	3.820	ng	# 75
36) 4-Chloro-3-methylphenol	11.869	107	36861	3.767	ng	# 90
37) 2-Methylnaphthalene	12.227	142	90291	4.431	ng	98
38) 1-Methylnaphthalene	12.445	142	87206	4.303	ng	# 96
40) 1,2,4,5-Tetrachloroben...	12.603	216	55704	4.331	ng	96
41) Hexachlorocyclopentadiene	12.439	237	64	11.462	ng	# 29
43) 2,4,6-Trichlorophenol	12.850	196	27305	3.605	ng	92

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011025\
 Data File : BG063945.D
 Acq On : 10 Jan 2025 10:46
 Operator : RC/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 4 Sample Multiplier: 1

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

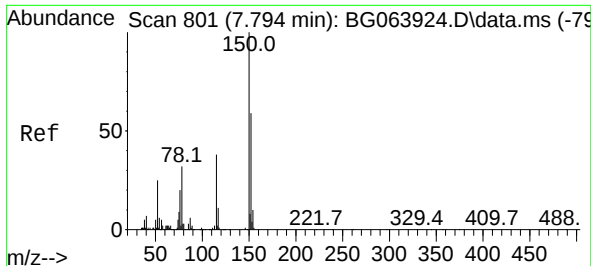
Quant Time: Jan 10 11:34:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 23:17:54 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.938	196	33935	3.992	ng	86
46) 1,1'-Biphenyl	13.244	154	128830	4.605	ng	96
47) 2-Chloronaphthalene	13.285	162	98448	4.280	ng	96
48) 2-Nitroaniline	13.502	65	25564	3.322	ng	# 90
49) Acenaphthylene	14.137	152	157187	4.612	ng	99
50) Dimethylphthalate	13.873	163	114290	4.082	ng	98
51) 2,6-Dinitrotoluene	13.996	165	21975	3.524	ng	# 83
52) Acenaphthene	14.484	154	89825	4.311	ng	96
53) 3-Nitroaniline	14.331	138	20331	3.554	ng	87
54) 2,4-Dinitrophenol	14.572	184	2102	8.554	ng	# 81
55) Dibenzofuran	14.818	168	158413	4.380	ng	96
56) 4-Nitrophenol	14.677	139	10165	2.591	ng	94
57) 2,4-Dinitrotoluene	14.801	165	29902	3.416	ng	96
58) Fluorene	15.471	166	123712	4.402	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.059	232	26397	3.519	ng	# 93
60) Diethylphthalate	15.241	149	107603	3.899	ng	97
61) 4-Chlorophenyl-phenyle...	15.465	204	65318	4.287	ng	98
62) 4-Nitroaniline	15.494	138	19885	3.344	ng	89
63) Azobenzene	15.759	77	143726	4.117	ng	95
65) 4,6-Dinitro-2-methylph...	15.576	198	10467	2.168	ng	89
66) n-Nitrosodiphenylamine	15.682	169	103143	4.277	ng	98
67) 4-Bromophenyl-phenylether	16.364	248	41775	4.081	ng	97
68) Hexachlorobenzene	16.481	284	45779	3.917	ng	# 91
69) Atrazine	16.634	200	37918	4.905	ng	99
70) Pentachlorophenol	16.845	266	6158	1.270	ng	# 91
71) Phenanthrene	17.216	178	220702	4.582	ng	97
72) Anthracene	17.304	178	191945	4.094	ng	98
73) Carbazole	17.586	167	187337	4.326	ng	99
74) Di-n-butylphthalate	18.144	149	181829	3.769	ng	98
75) Fluoranthene	19.243	202	237667	3.910	ng	99
77) Benzidine	19.431	184	27580	2.146	ng	98
78) Pyrene	19.601	202	269517	4.277	ng	98
80) Butylbenzylphthalate	20.500	149	58909	3.030	ng	99
81) Benzo(a)anthracene	21.405	228	270440	4.401	ng	97
82) 3,3'-Dichlorobenzidine	21.334	252	68856	3.607	ng	# 97
83) Chrysene	21.469	228	273788	4.588	ng	95
84) Bis(2-ethylhexyl)phtha...	21.323	149	106072	3.568	ng	# 98
85) Di-n-octyl phthalate	22.451	149	168687	3.257	ng	97
87) Indeno(1,2,3-cd)pyrene	27.821	276	271713	4.098	ng	# 65
88) Benzo(b)fluoranthene	23.544	252	274674	4.602	ng	99
89) Benzo(k)fluoranthene	23.544	252	274674	4.586	ng	100
90) Benzo(a)pyrene	24.290	252	231978	4.376	ng	95
91) Dibenzo(a,h)anthracene	27.868	278	217925	3.971	ng	98
92) Benzo(g,h,i)perylene	28.878	276	213828	3.788	ng	95

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

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

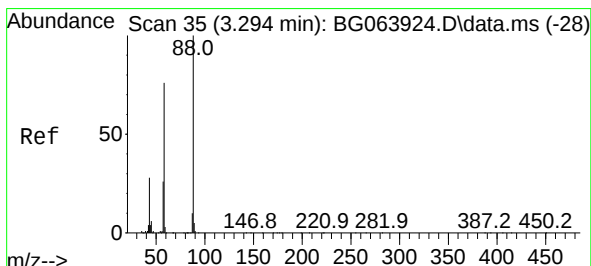
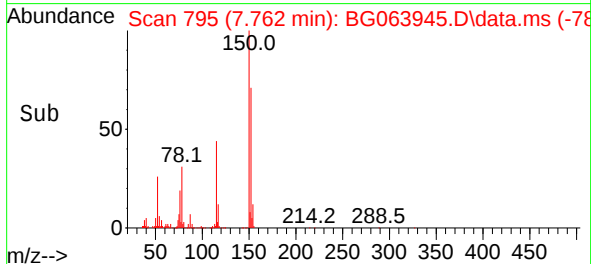
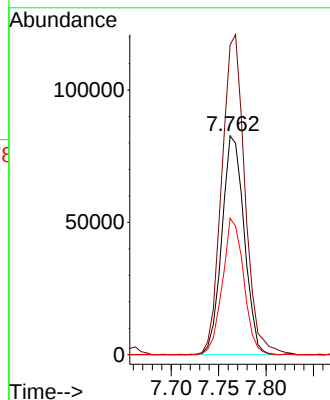
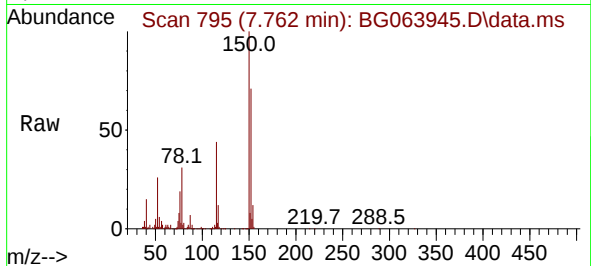
[illegible]



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.762 min Scan# 70
 Delta R.T. -0.032 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

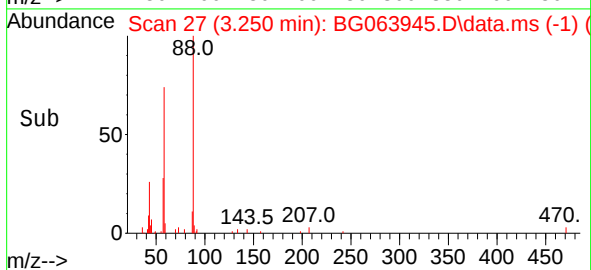
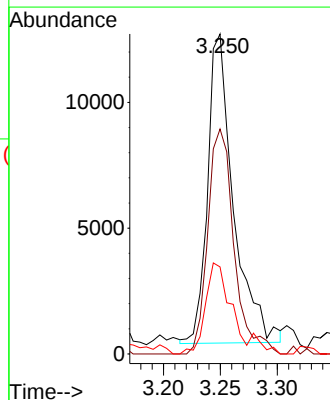
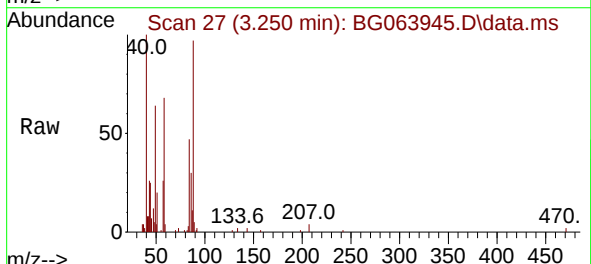
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

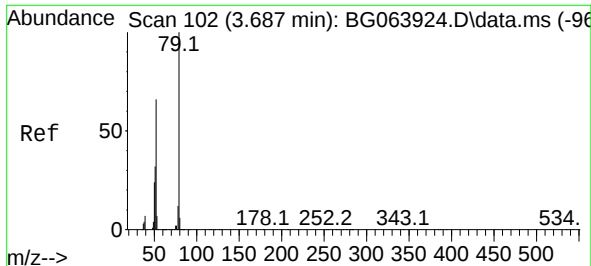
Tgt Ion:152 Resp: 135466
 Ion Ratio Lower Upper
 152 100
 150 141.5 135.5 203.3
 115 62.2 51.8 77.8



#2
 1,4-Dioxane
 Concen: 4.348 ng
 RT: 3.250 min Scan# 27
 Delta R.T. -0.044 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

Tgt Ion: 88 Resp: 19437
 Ion Ratio Lower Upper
 88 100
 58 73.7 58.4 87.6
 43 28.1 22.1 33.1

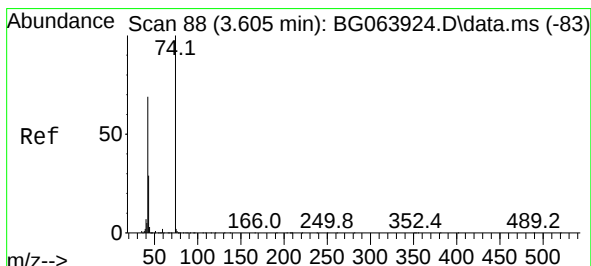
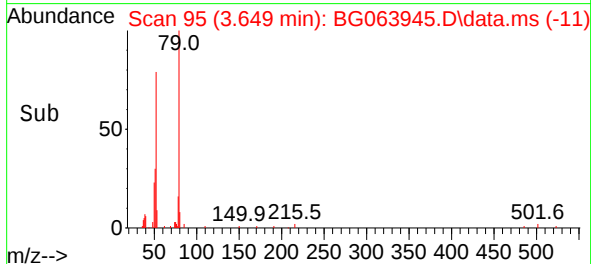
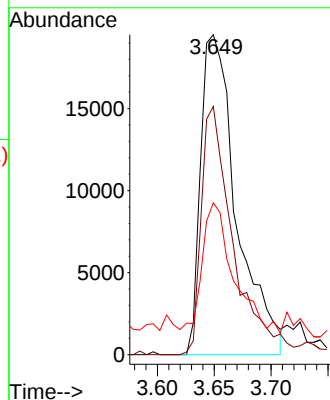
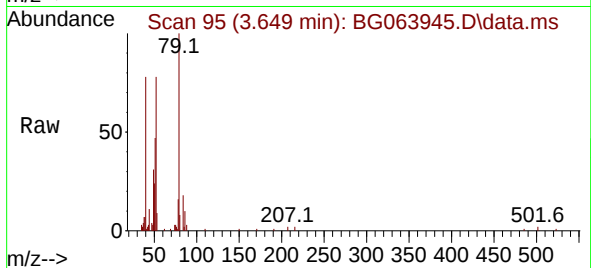




#3
Pyridine
Concen: 3.558 ng
RT: 3.649 min Scan# 91
Delta R.T. -0.038 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

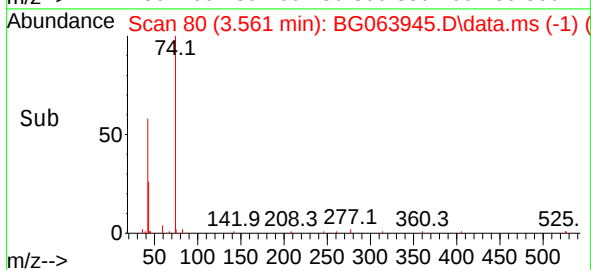
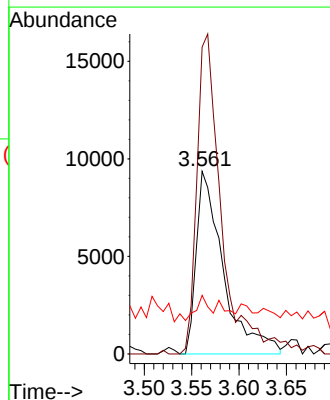
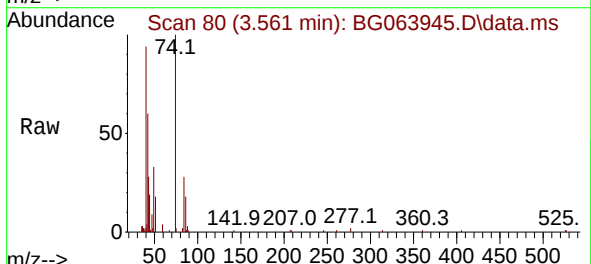
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

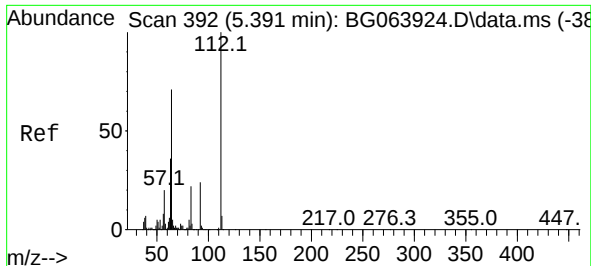
Tgt Ion: 79 Resp: 42841
Ion Ratio Lower Upper
79 100
52 77.5 53.1 79.7
51 47.5 26.2 39.4#



#4
n-Nitrosodimethylamine
Concen: 4.045 ng
RT: 3.561 min Scan# 80
Delta R.T. -0.044 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion: 42 Resp: 18616
Ion Ratio Lower Upper
42 100
74 168.1 116.6 175.0
44 32.1 10.4 15.6#

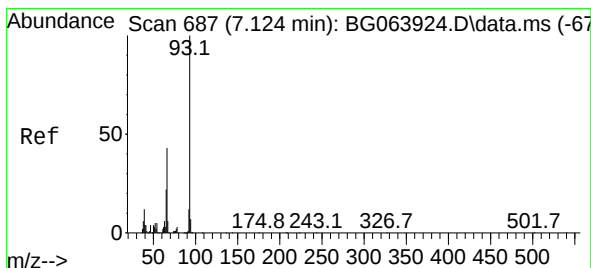
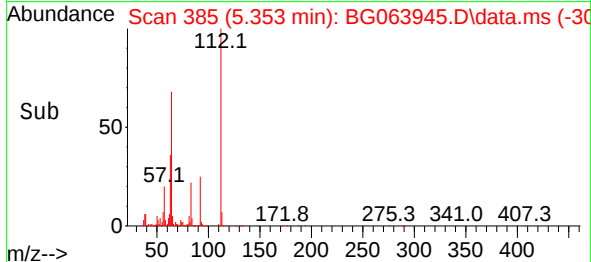
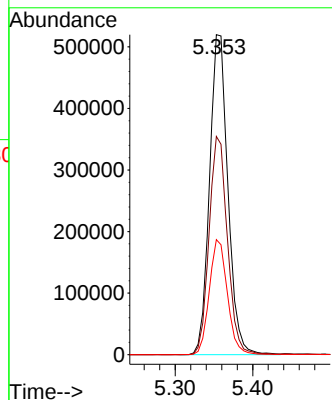
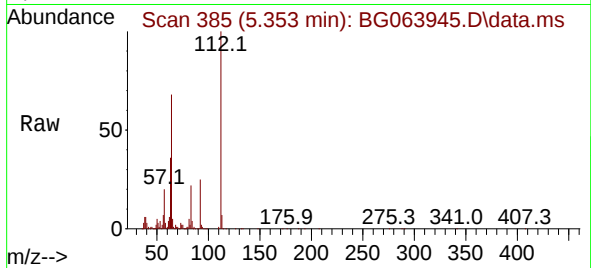




#5
2-Fluorophenol
Concen: 100.681 ng
RT: 5.353 min Scan# 385
Delta R.T. -0.038 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

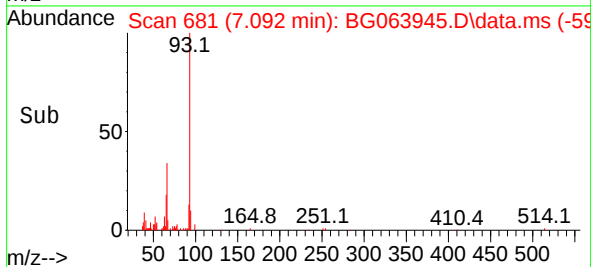
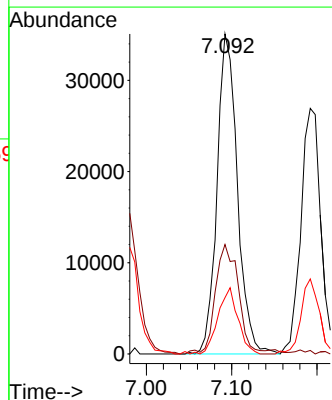
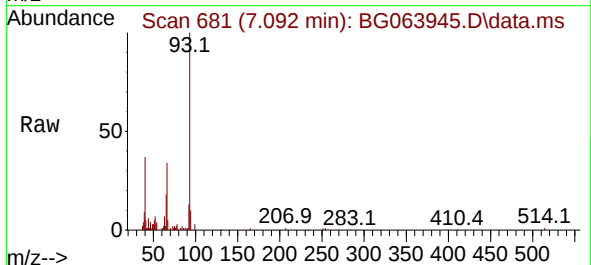
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

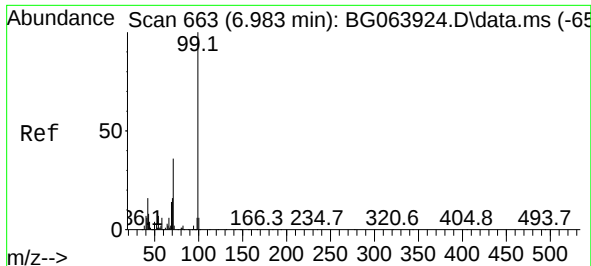
Tgt Ion:112 Resp: 856024
Ion Ratio Lower Upper
112 100
64 68.2 56.6 85.0
63 35.9 29.2 43.8



#6
Aniline
Concen: 5.447 ng
RT: 7.092 min Scan# 681
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion: 93 Resp: 58196
Ion Ratio Lower Upper
93 100
66 34.2 35.0 52.4#
65 17.6 17.8 26.8#

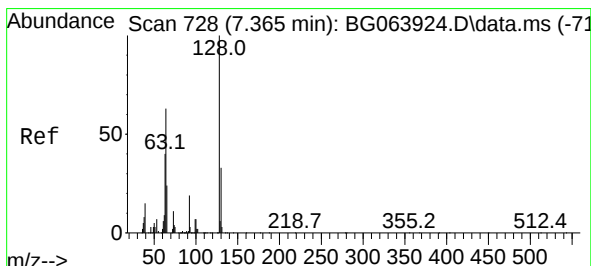
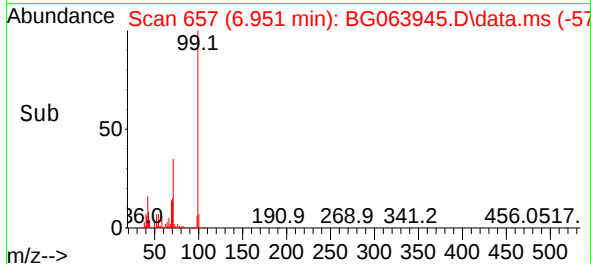
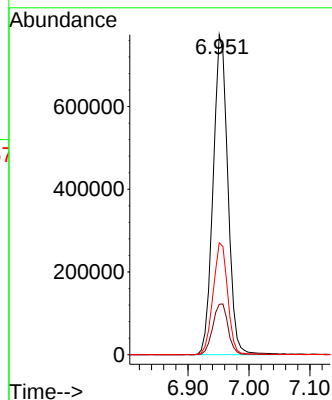
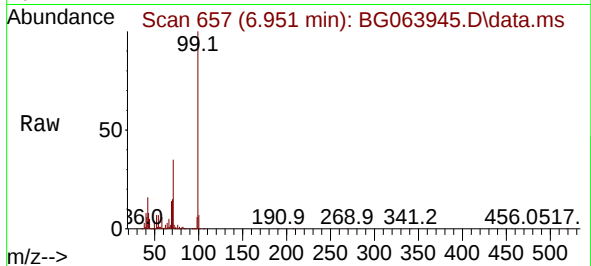




#7
Phenol-d6
Concen: 105.720 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

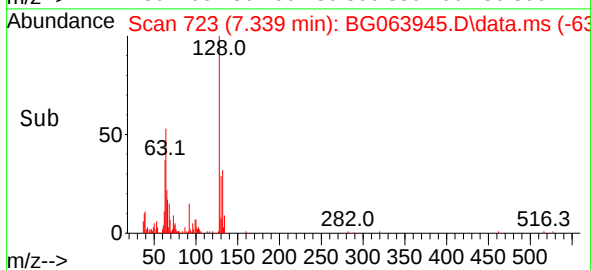
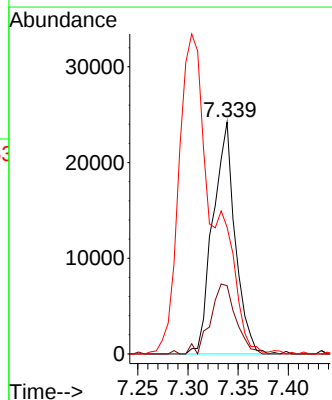
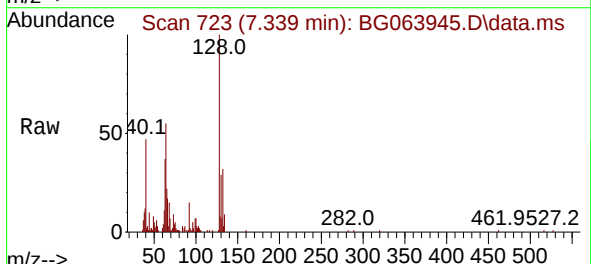
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

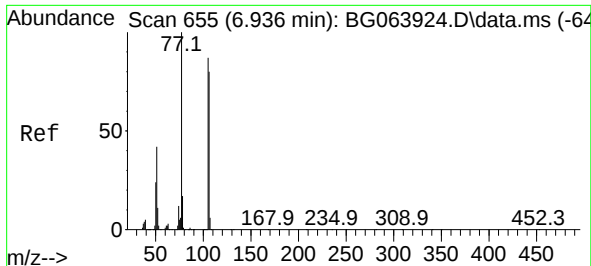
Tgt Ion: 99 Resp: 1300372
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.6
71 35.0 28.5 42.7



#8
2-Chlorophenol
Concen: 4.532 ng
RT: 7.339 min Scan# 723
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:128 Resp: 37460
Ion Ratio Lower Upper
128 100
130 29.5 13.4 53.4
64 54.7 44.6 84.6

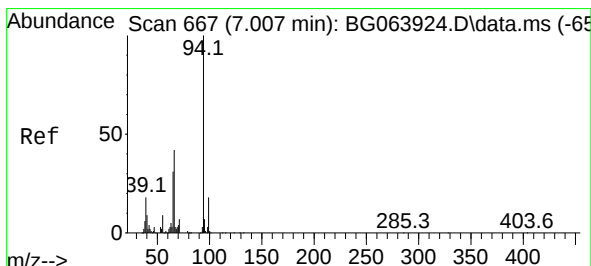
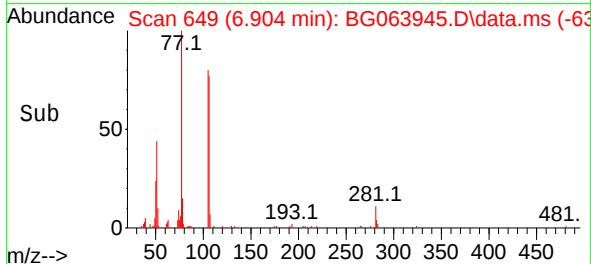
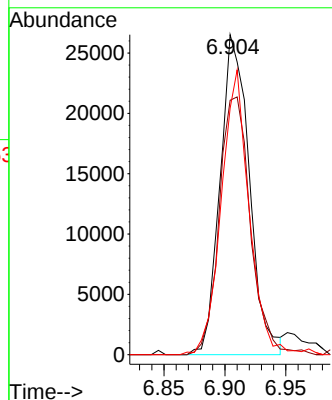
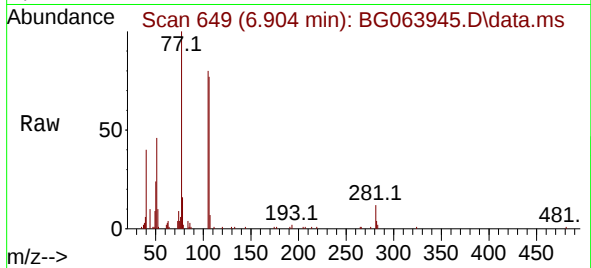




#9
Benzaldehyde
Concen: 5.630 ng
RT: 6.904 min Scan# 649
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

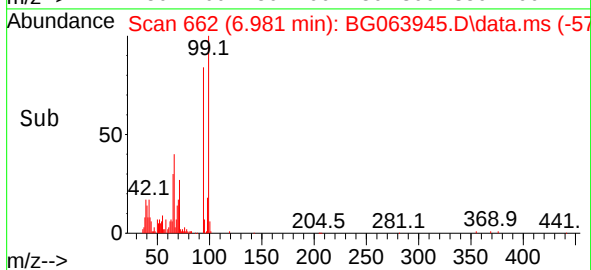
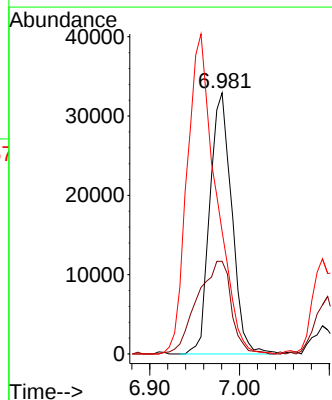
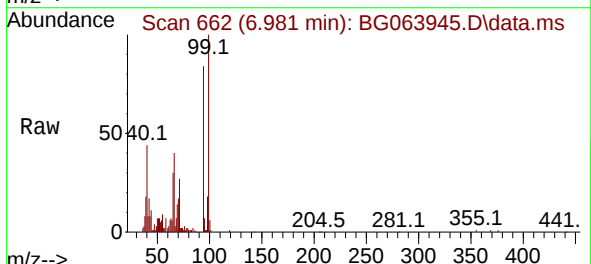
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

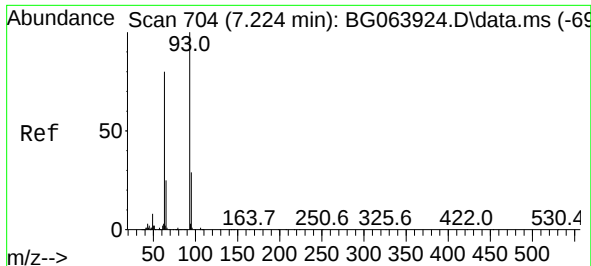
Tgt Ion: 77 Resp: 44218
Ion Ratio Lower Upper
77 100
105 79.5 66.5 106.5
106 77.0 60.1 100.1



#10
Phenol
Concen: 4.369 ng
RT: 6.981 min Scan# 662
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion: 94 Resp: 55951
Ion Ratio Lower Upper
94 100
65 35.5 11.5 51.5
66 46.9 21.9 61.9

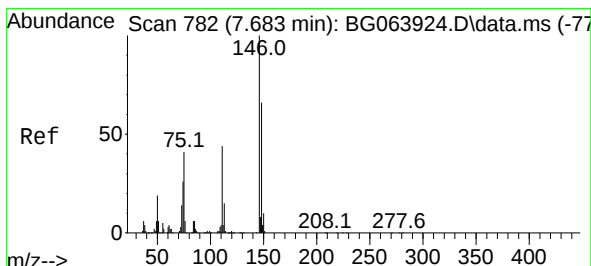
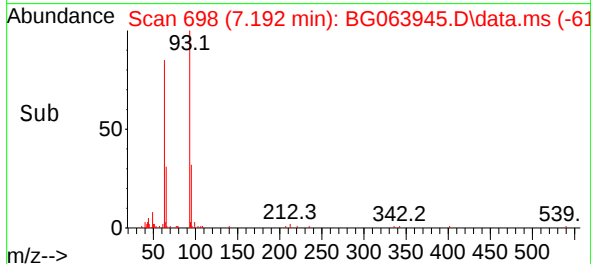
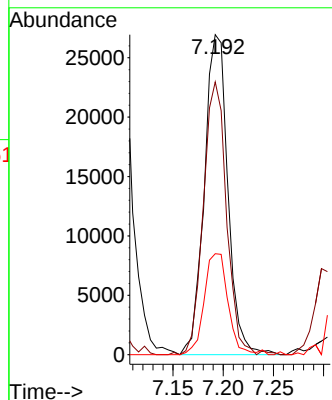
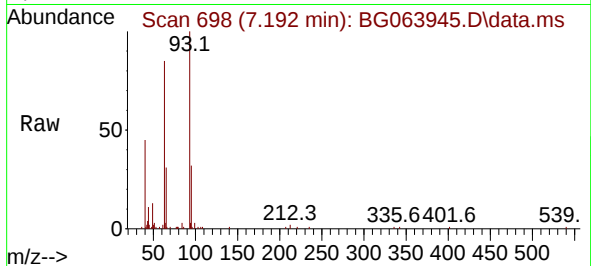




#11
bis(2-Chloroethyl)ether
Concen: 4.391 ng
RT: 7.192 min Scan# 61
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

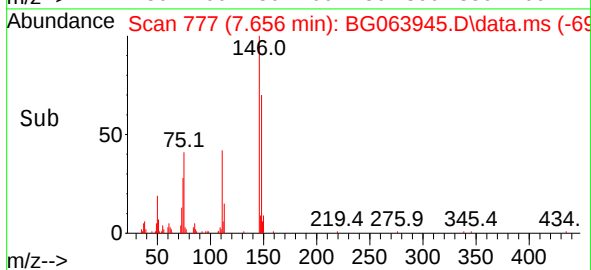
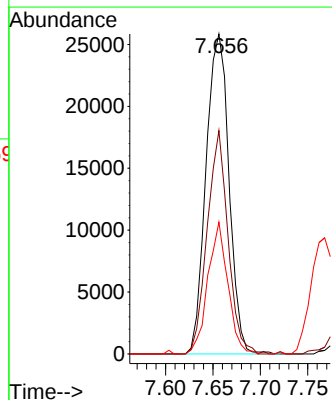
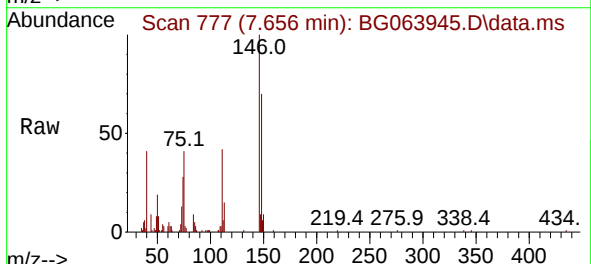
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

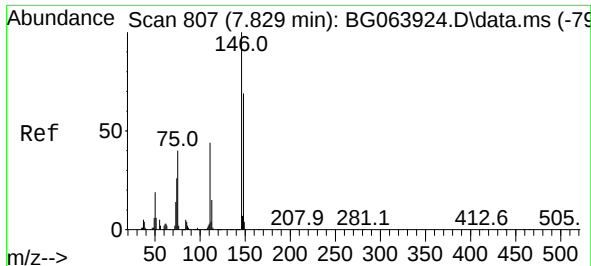
Tgt Ion: 93 Resp: 44087
Ion Ratio Lower Upper
93 100
63 85.2 59.6 99.6
95 31.6 9.3 49.3



#12
1,3-Dichlorobenzene
Concen: 4.368 ng
RT: 7.656 min Scan# 777
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:146 Resp: 43523
Ion Ratio Lower Upper
146 100
148 69.8 52.6 78.8
75 41.2 32.6 48.8

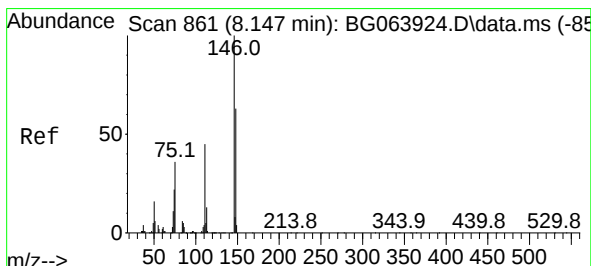
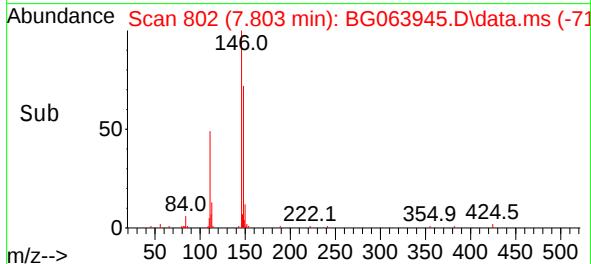
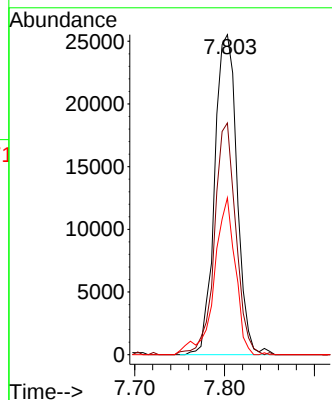
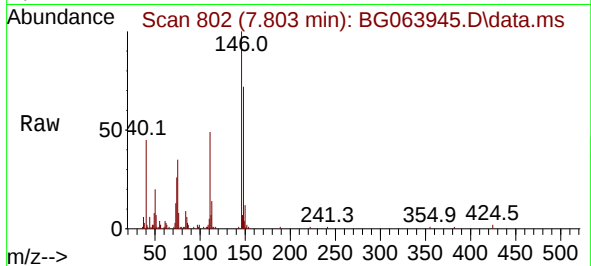




#13
1,4-Dichlorobenzene
Concen: 4.425 ng
RT: 7.803 min Scan# 807
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

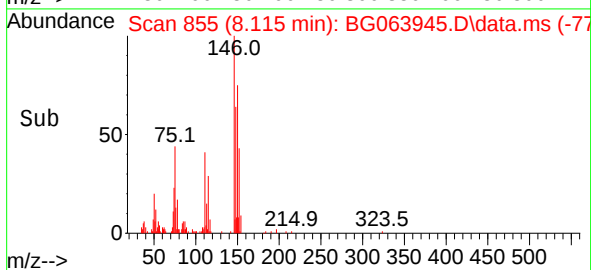
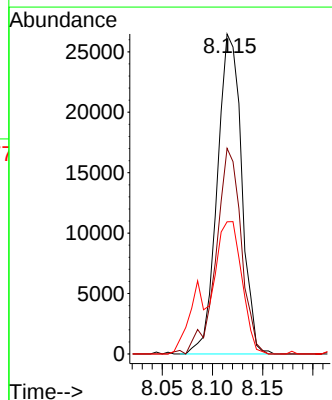
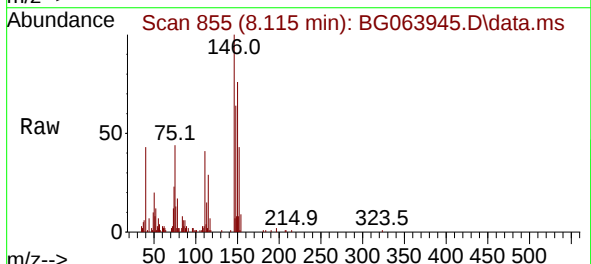
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

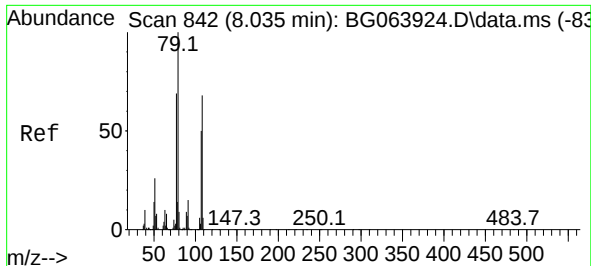
Tgt Ion:146 Resp: 44066
Ion Ratio Lower Upper
146 100
148 72.4 55.4 83.0
111 49.0 35.8 53.8



#14
1,2-Dichlorobenzene
Concen: 4.542 ng
RT: 8.115 min Scan# 855
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:146 Resp: 44520
Ion Ratio Lower Upper
146 100
148 64.2 50.7 76.1
111 41.3 36.1 54.1

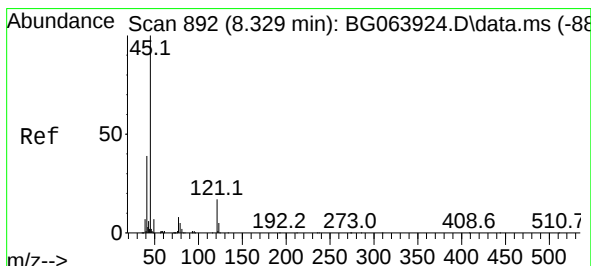
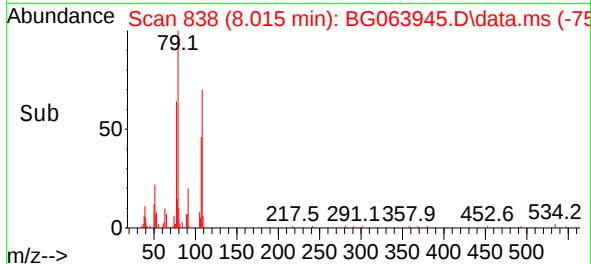
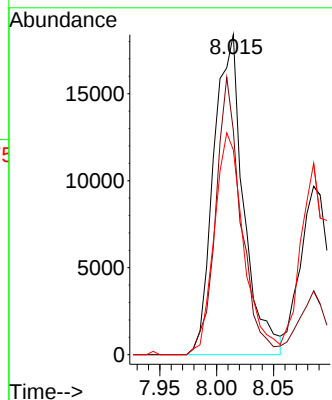
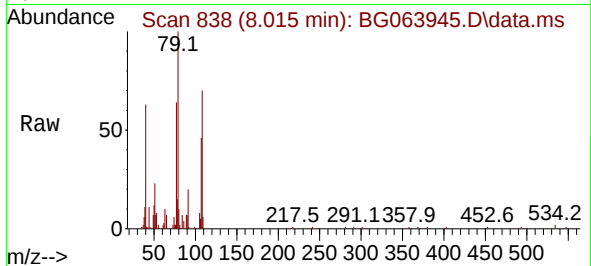




#15
Benzyl Alcohol
Concen: 3.816 ng
RT: 8.015 min Scan# 842
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

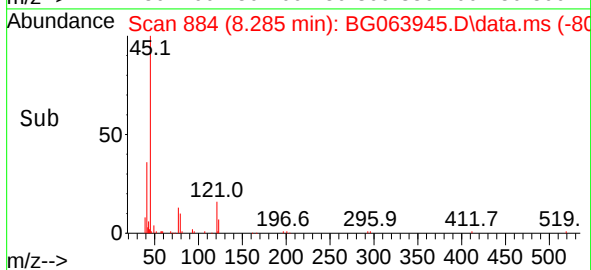
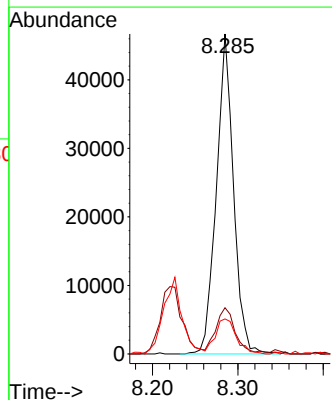
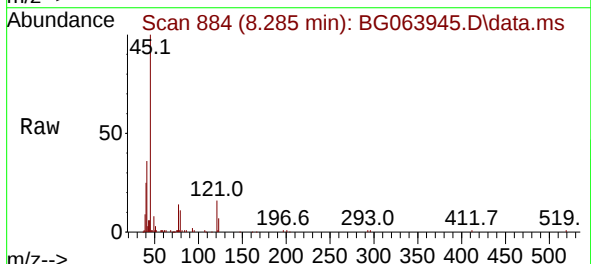
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

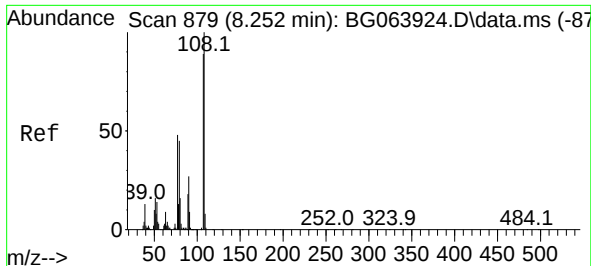
Tgt Ion: 79 Resp: 33682
Ion Ratio Lower Upper
79 100
108 70.1 54.6 81.8
77 64.0 55.6 83.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.511 ng
RT: 8.285 min Scan# 884
Delta R.T. -0.044 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion: 45 Resp: 65196
Ion Ratio Lower Upper
45 100
77 14.5 0.0 34.7
79 10.9 0.0 32.1

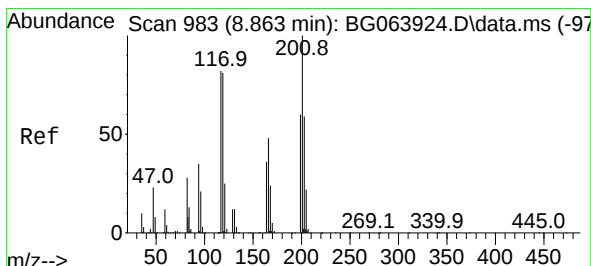
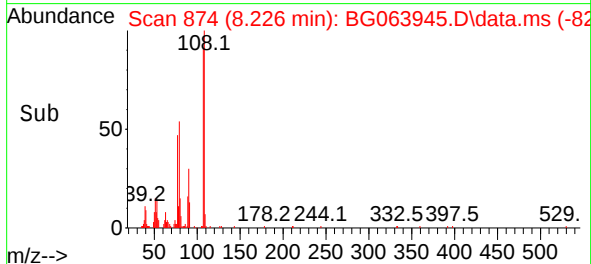
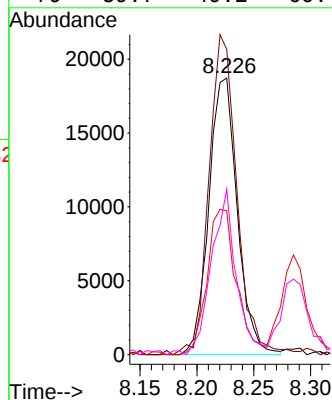
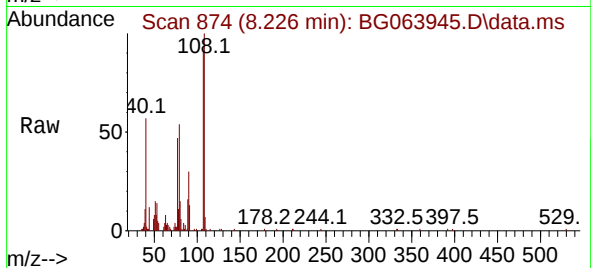




#17
2-Methylphenol
Concen: 3.932 ng
RT: 8.226 min Scan# 81
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

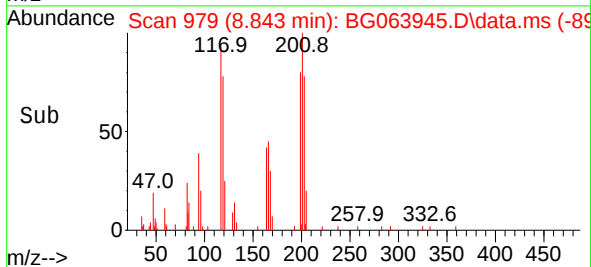
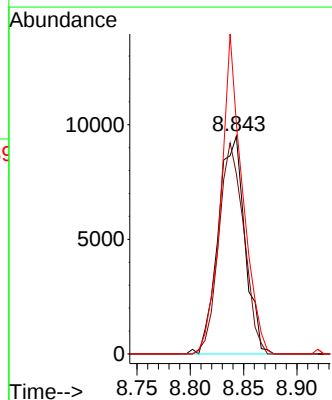
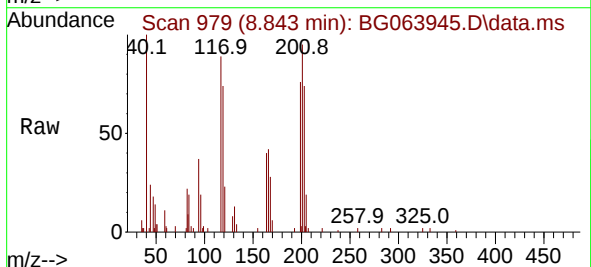
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

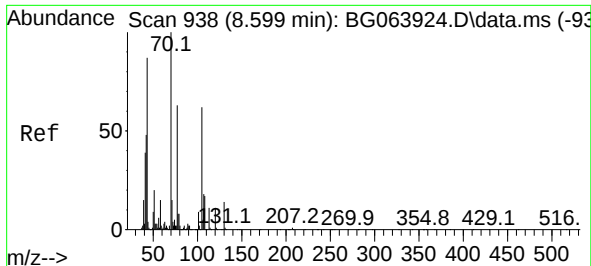
Tgt Ion:	107	Resp:	32685
Ion Ratio	Lower	Upper	
107	100		
108	110.4	89.5	134.3
77	52.1	43.4	65.2
79	59.7	40.2	60.4



#18
Hexachloroethane
Concen: 4.282 ng
RT: 8.843 min Scan# 979
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:	117	Resp:	16539
Ion Ratio	Lower	Upper	
117	100		
119	82.8	79.7	119.5
201	105.9	97.8	146.8





#19

n-Nitroso-di-n-propylamine

Concen: 4.319 ng

RT: 8.567 min Scan# 91

Delta R.T. -0.032 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion: 70 Resp: 38796

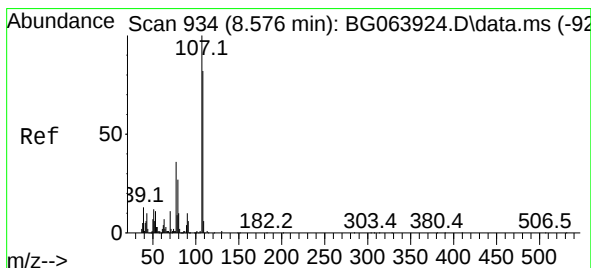
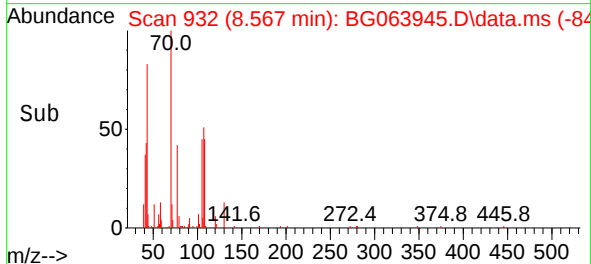
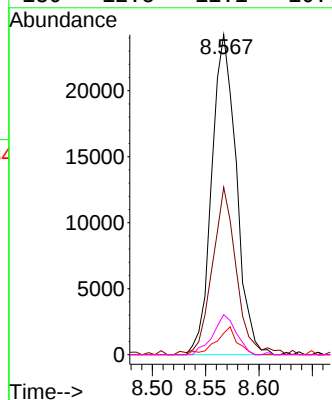
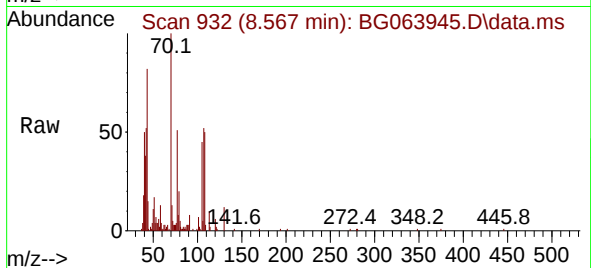
Ion Ratio Lower Upper

70 100

42 52.3 39.0 58.4

101 6.7 7.0 10.4#

130 12.5 11.1 16.7



#20

3+4-Methylphenols

Concen: 3.858 ng

RT: 8.549 min Scan# 929

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Tgt Ion: 107 Resp: 43134

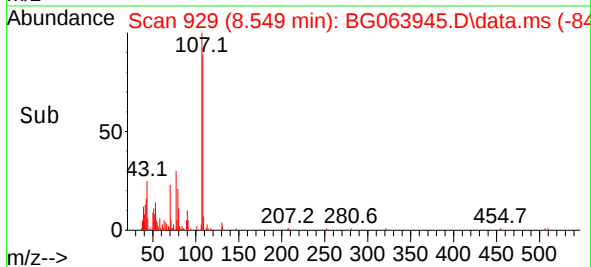
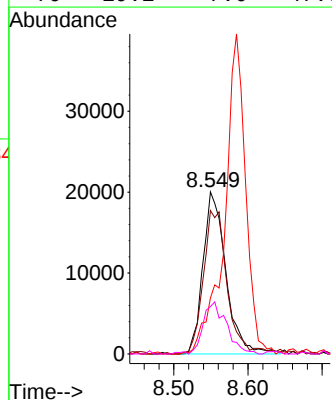
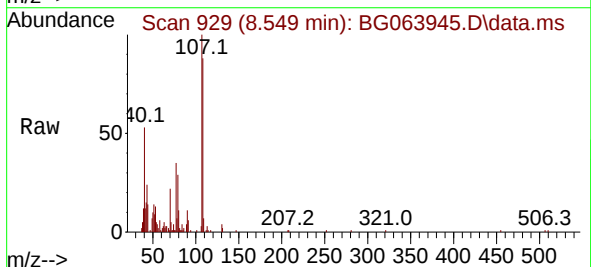
Ion Ratio Lower Upper

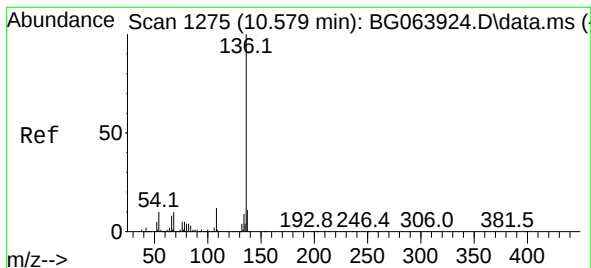
107 100

108 88.4 62.4 102.4

77 34.6 16.3 56.3

79 29.2 7.0 47.0

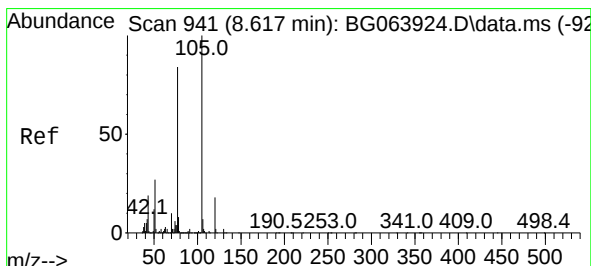
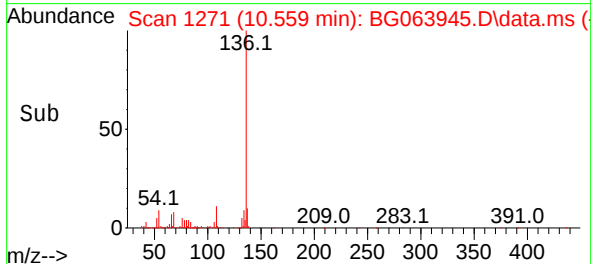
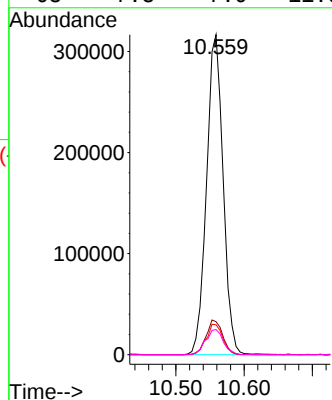
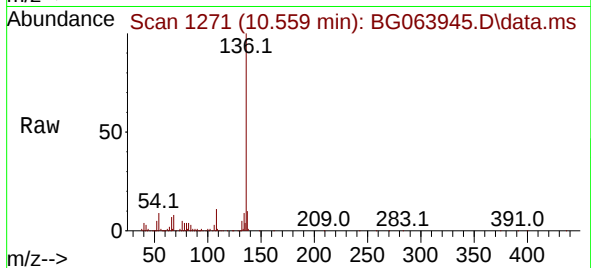




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.559 min Scan# 11
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

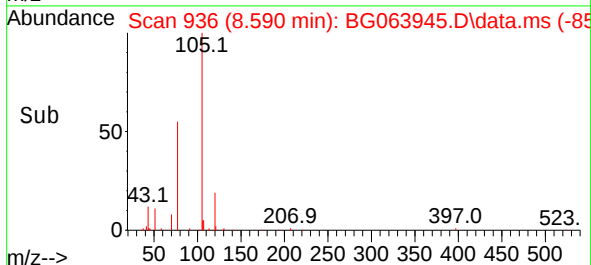
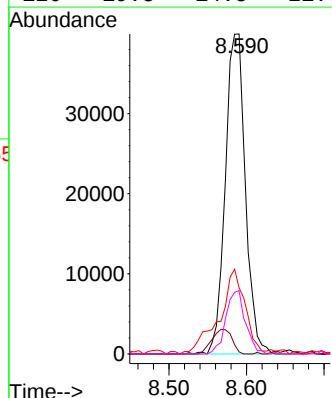
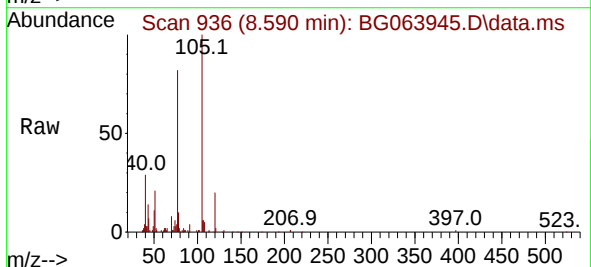
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

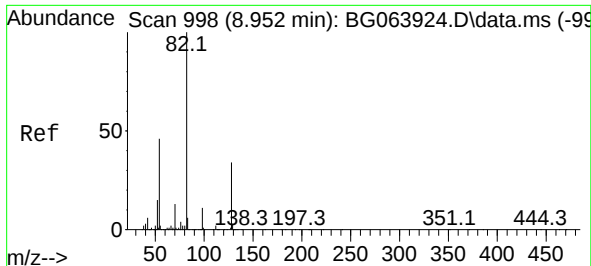
Tgt Ion:136 Resp: 534991
Ion Ratio Lower Upper
136 100
137 10.3 9.0 13.6
54 9.4 8.0 12.0
68 7.8 7.9 11.9#



#22
Acetophenone
Concen: 4.500 ng
RT: 8.590 min Scan# 936
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:105 Resp: 72292
Ion Ratio Lower Upper
105 100
71 0.6 1.5 2.3#
51 20.6 21.8 32.8#
120 19.8 14.5 21.7





#23

Nitrobenzene-d5

Concen: 71.913 ng

RT: 8.925 min Scan# 90

Delta R.T. -0.027 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

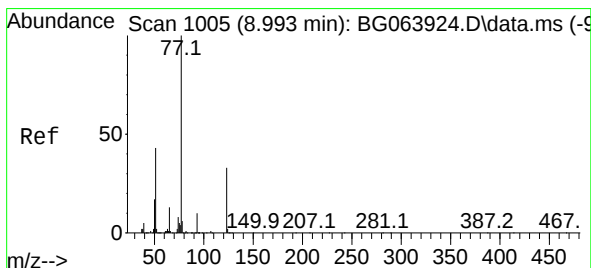
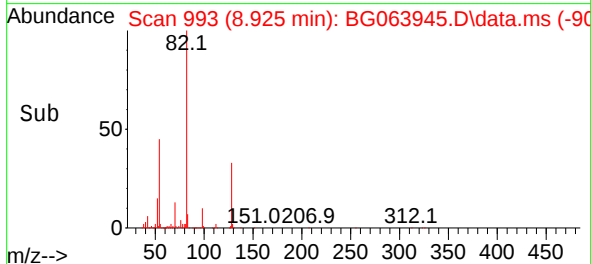
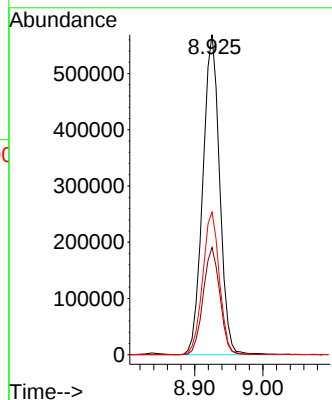
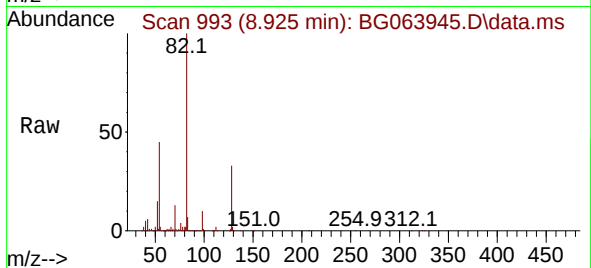
Tgt Ion: 82 Resp: 976681

Ion Ratio Lower Upper

82 100

128 33.5 26.9 40.3

54 44.6 36.7 55.1



#24

Nitrobenzene

Concen: 4.040 ng

RT: 8.966 min Scan# 1000

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

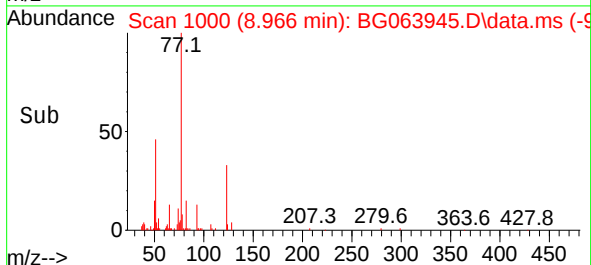
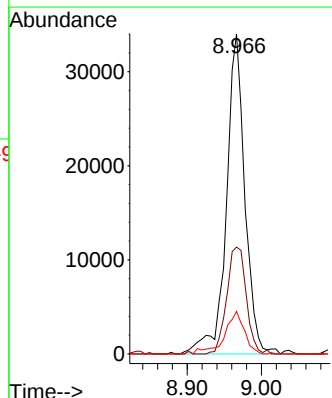
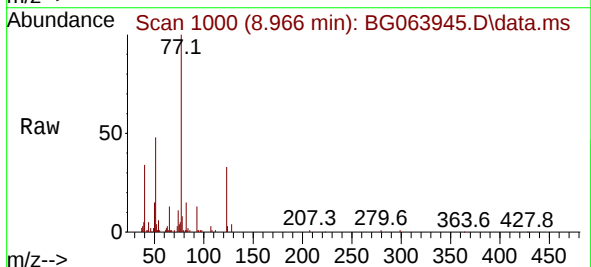
Tgt Ion: 77 Resp: 58909

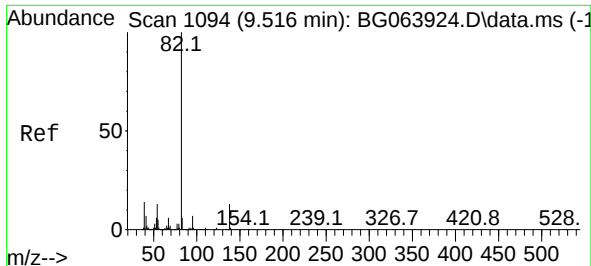
Ion Ratio Lower Upper

77 100

123 33.4 26.5 39.7

65 13.3 10.2 15.4





#25

Isophorone

Concen: 4.297 ng

RT: 9.484 min Scan# 1088

Delta R.T. -0.032 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

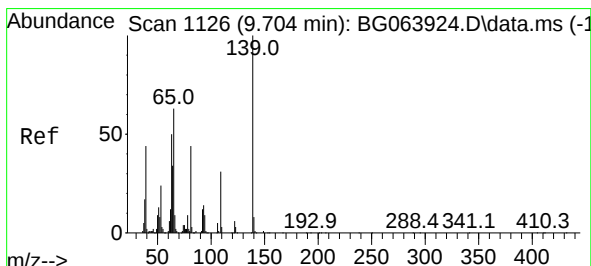
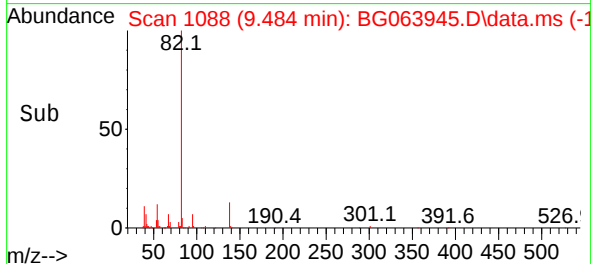
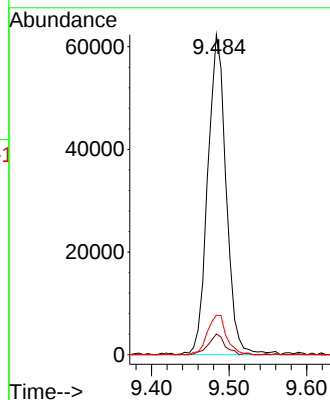
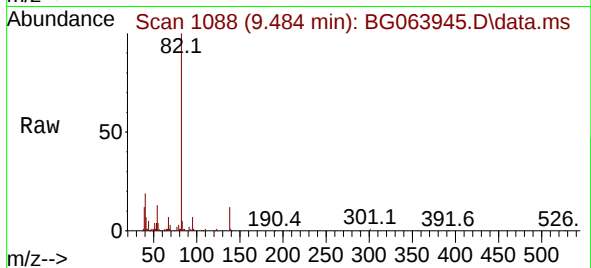
Tgt Ion: 82 Resp: 102844

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

138 12.3 10.6 16.0



#26

2-Nitrophenol

Concen: 3.603 ng

RT: 9.683 min Scan# 1122

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

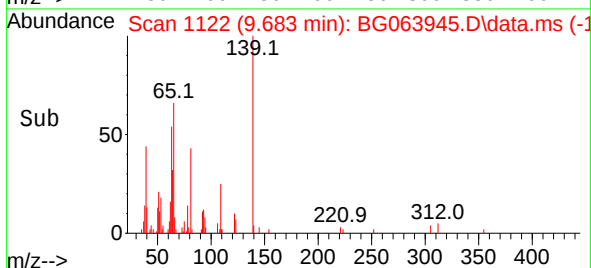
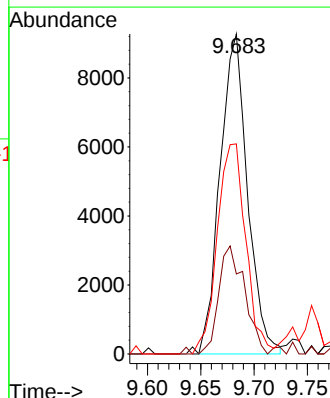
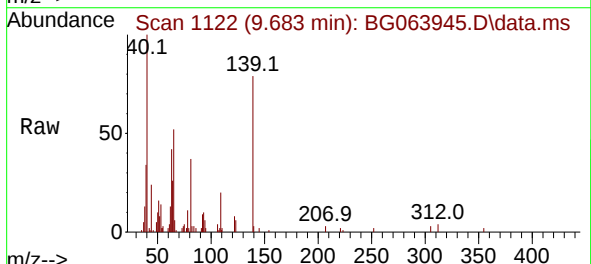
Tgt Ion:139 Resp: 16670

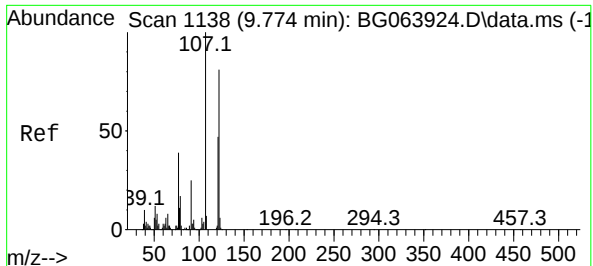
Ion Ratio Lower Upper

139 100

109 25.0 25.0 37.4

65 65.6 51.1 76.7





#27

2,4-Dimethylphenol

Concen: 2.002 ng

RT: 9.748 min Scan# 1133

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

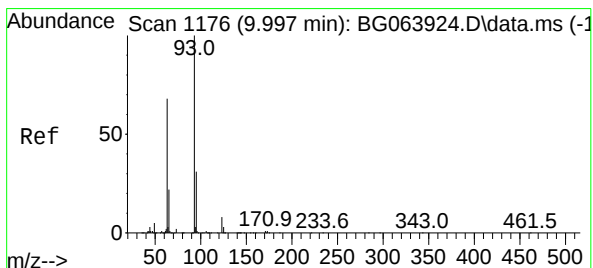
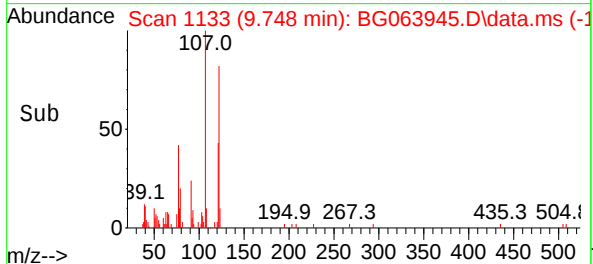
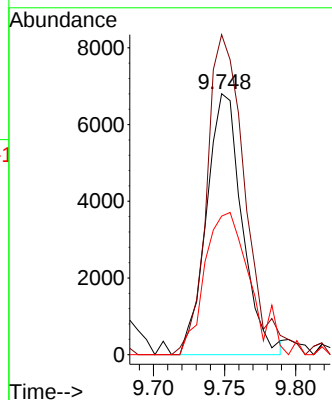
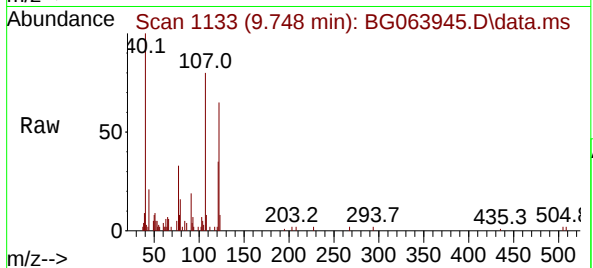
Tgt Ion:122 Resp: 11813

Ion Ratio Lower Upper

122 100

107 122.6 99.0 148.4

121 53.1 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 4.121 ng

RT: 9.971 min Scan# 1171

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

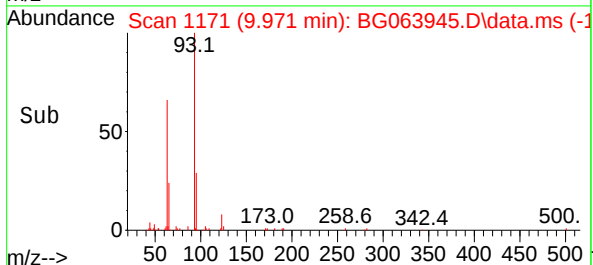
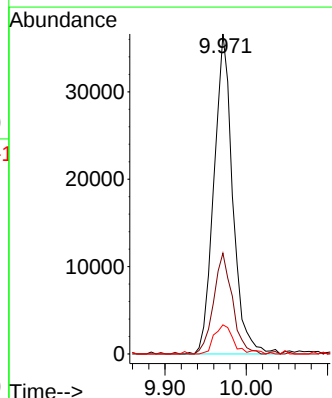
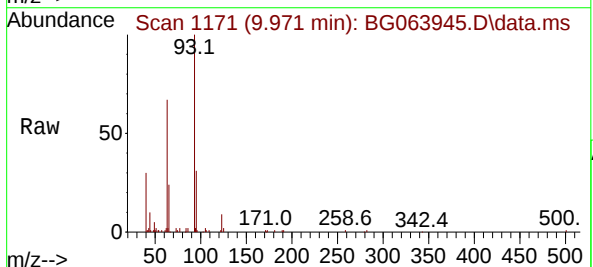
Tgt Ion: 93 Resp: 58818

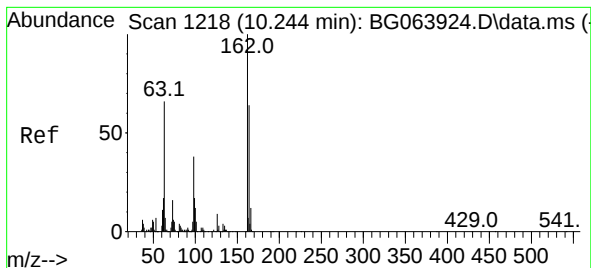
Ion Ratio Lower Upper

93 100

95 31.5 25.0 37.6

123 9.1 6.9 10.3





#29

2,4-Dichlorophenol

Concen: 3.856 ng

RT: 10.224 min Scan# 1214

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

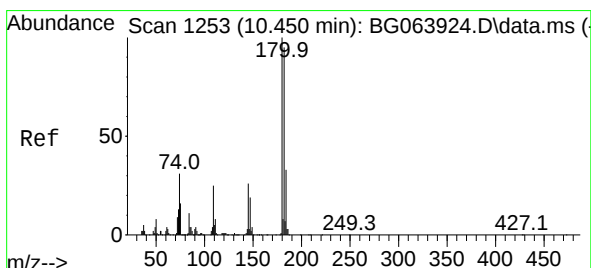
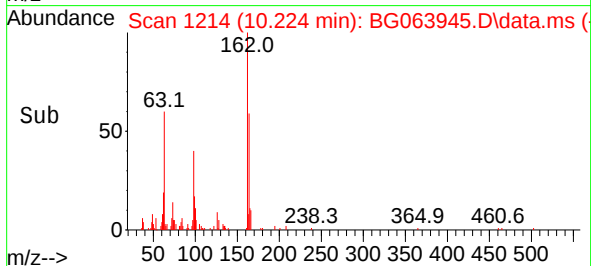
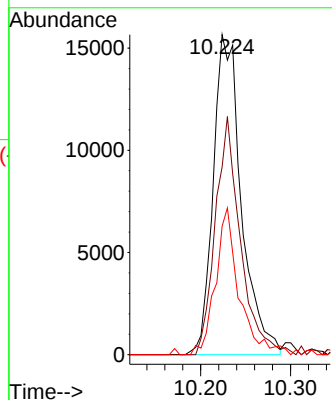
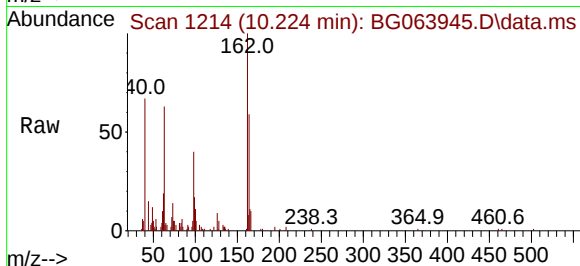
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:162	Resp:	33994
Ion Ratio	Lower	Upper
162	100	
164	58.6	44.4 84.4
98	40.2	17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 4.095 ng

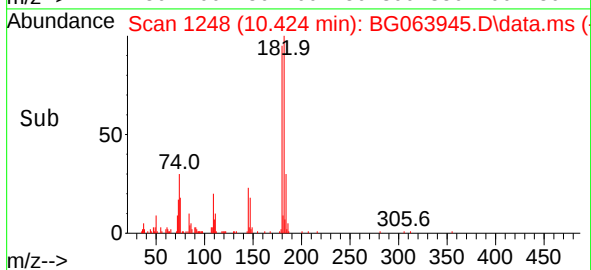
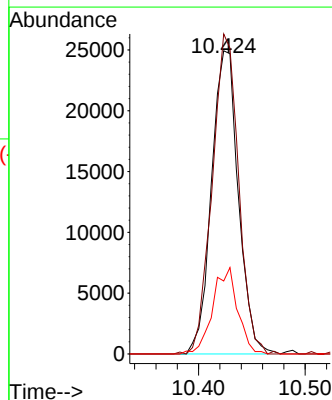
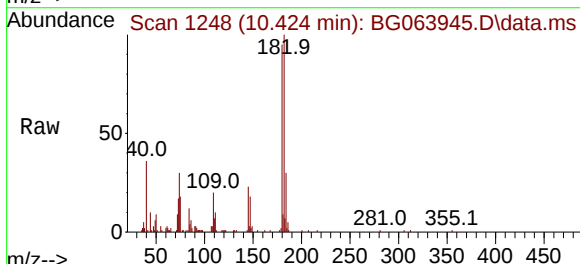
RT: 10.424 min Scan# 1248

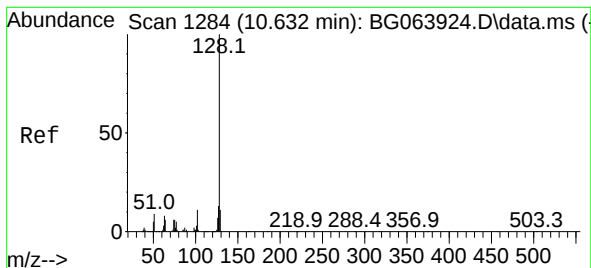
Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Tgt Ion:180	Resp:	43665
Ion Ratio	Lower	Upper
180	100	
182	105.6	75.8 113.6
145	24.1	20.8 31.2





#31

Naphthalene

Concen: 4.432 ng

RT: 10.606 min Scan# 1215

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

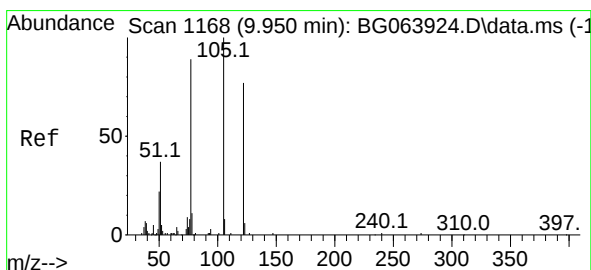
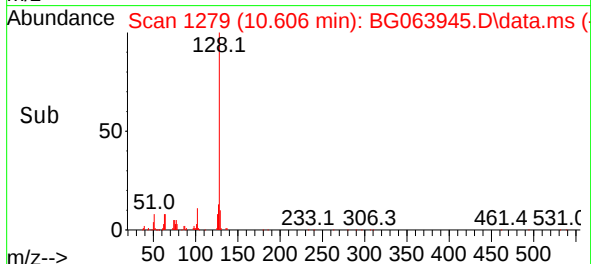
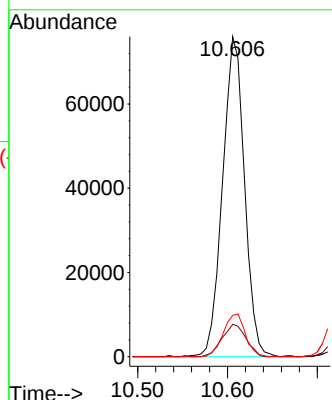
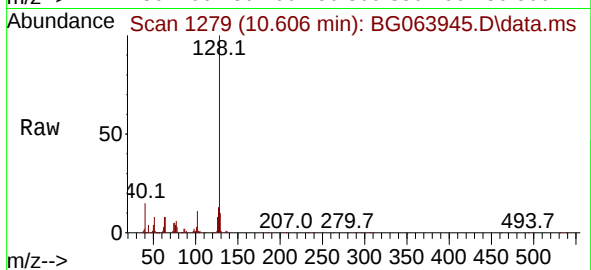
Tgt Ion:128 Resp: 128543

Ion Ratio Lower Upper

128 100

129 10.1 9.0 13.6

127 12.9 10.2 15.4



#32

Benzoic acid

Concen: 0.092 ng

RT: 10.230 min Scan# 1215

Delta R.T. 0.280 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

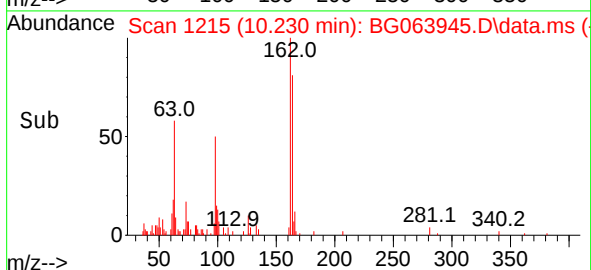
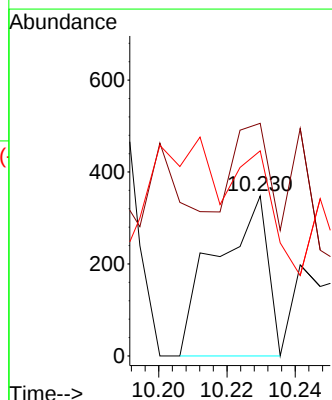
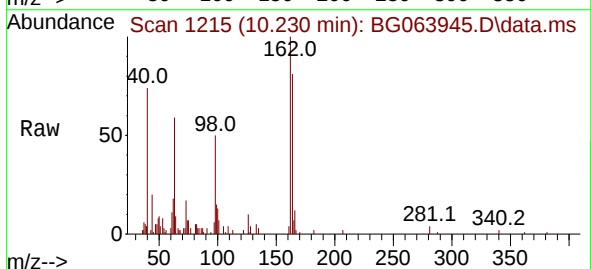
Tgt Ion:122 Resp: 362

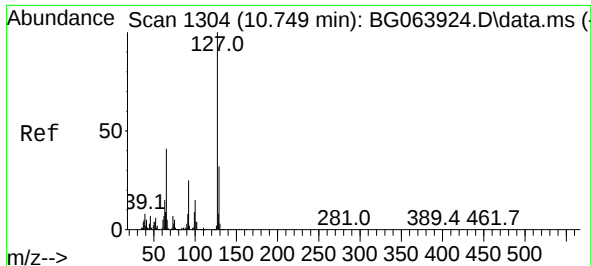
Ion Ratio Lower Upper

122 100

105 145.4 109.7 149.7

77 128.2 96.0 136.0





#33

4-Chloroaniline

Concen: 4.376 ng

RT: 10.729 min Scan# 1300

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:127 Resp: 41201

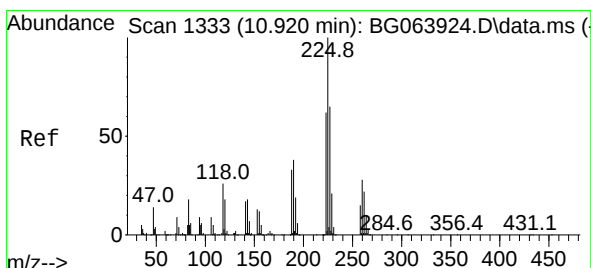
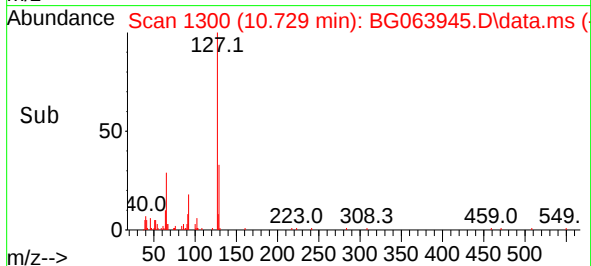
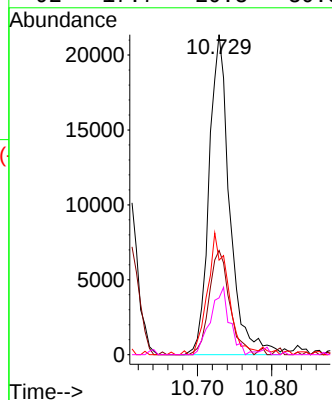
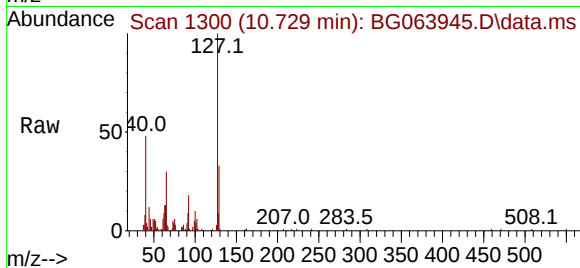
Ion Ratio Lower Upper

127 100

129 32.6 25.4 38.0

65 29.5 32.6 48.8#

92 17.7 20.3 30.5#



#34

Hexachlorobutadiene

Concen: 4.010 ng

RT: 10.894 min Scan# 1328

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

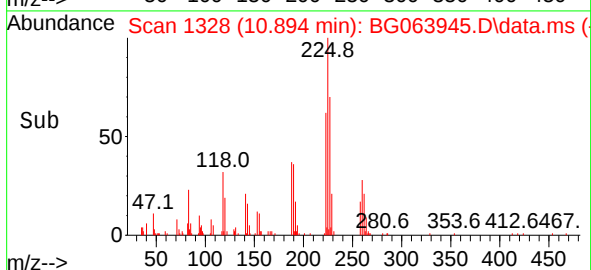
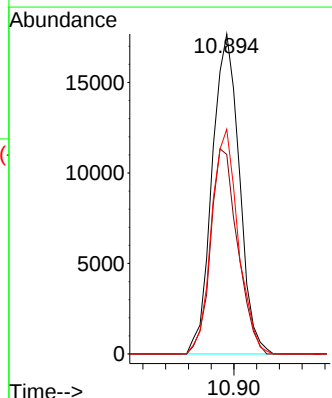
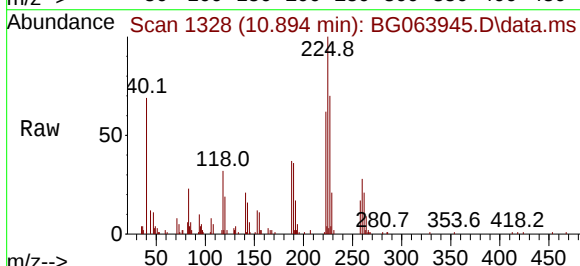
Tgt Ion:225 Resp: 29311

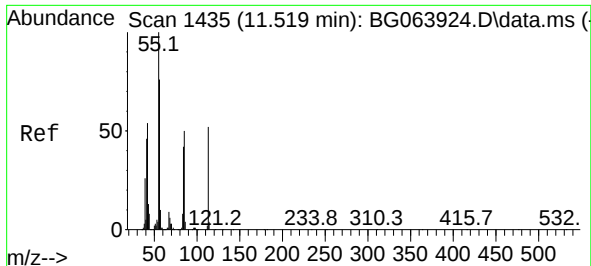
Ion Ratio Lower Upper

225 100

223 60.5 49.5 74.3

227 68.2 51.6 77.4





#35

Caprolactam

Concen: 3.820 ng

RT: 11.464 min Scan# 1425

Delta R.T. -0.056 min

Lab File: BG063945.D

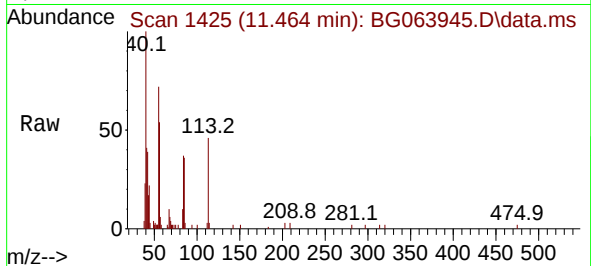
Acq: 10 Jan 2025 10:46

Instrument :

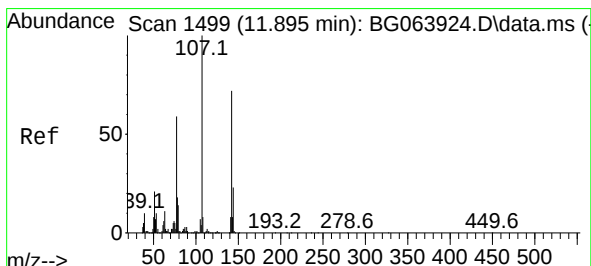
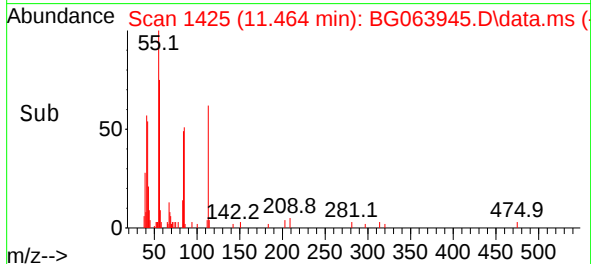
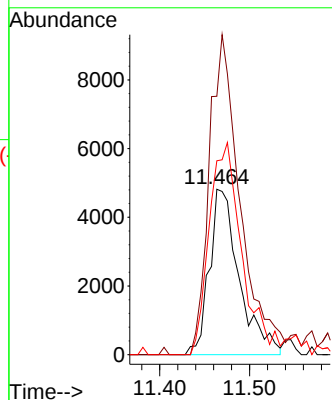
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion:	113	Resp:	11120
Ion	Ratio	Lower	Upper
113	100		
55	156.2	173.7	213.7#
56	117.2	127.5	167.5#



#36

4-Chloro-3-methylphenol

Concen: 3.767 ng

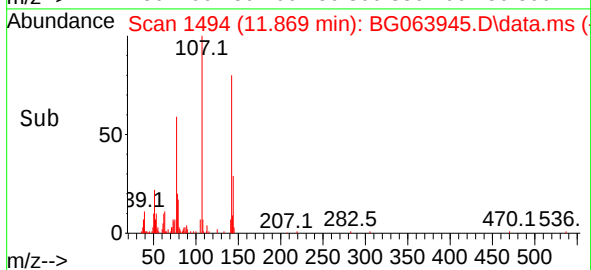
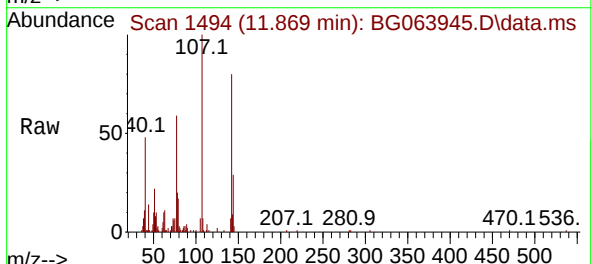
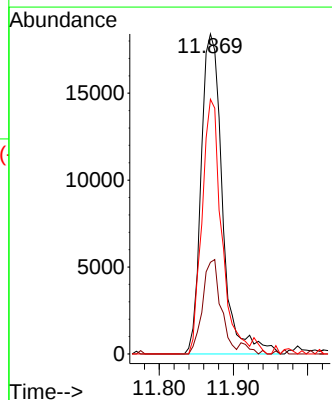
RT: 11.869 min Scan# 1494

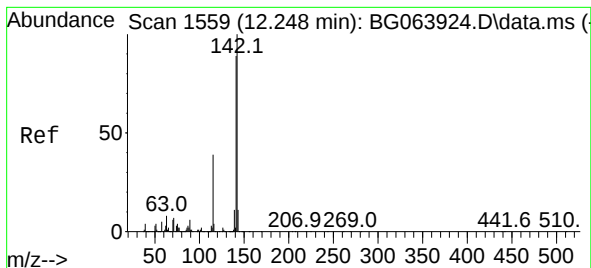
Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Tgt Ion:	107	Resp:	36861
Ion	Ratio	Lower	Upper
107	100		
144	28.6	18.7	28.1#
142	79.6	57.5	86.3





#37

2-Methylnaphthalene

Concen: 4.431 ng

RT: 12.227 min Scan# 1

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

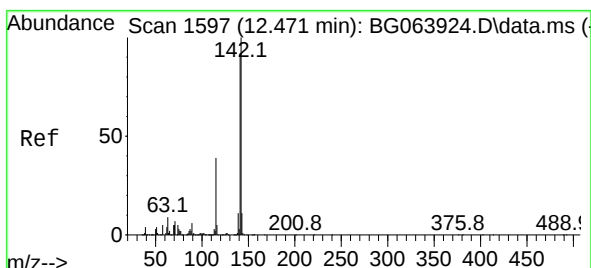
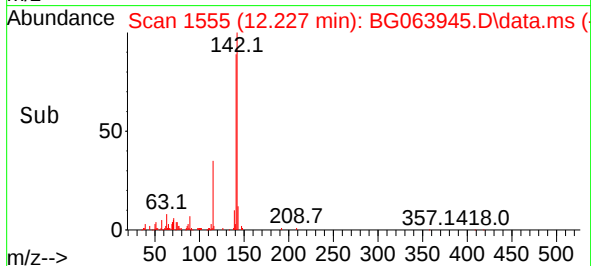
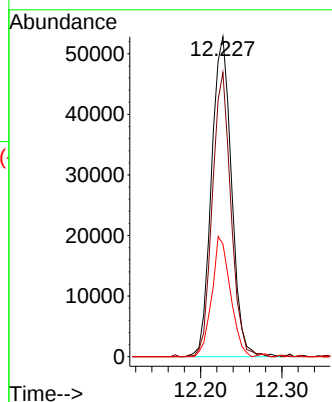
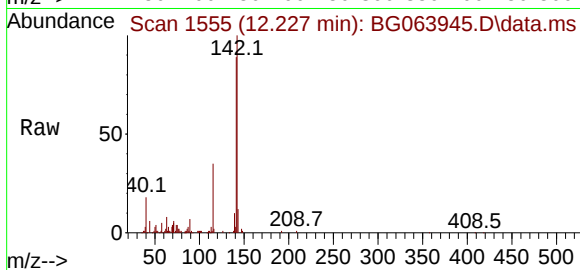
Tgt Ion:142 Resp: 90291

Ion Ratio Lower Upper

142 100

141 88.8 70.8 106.2

115 35.3 31.2 46.8



#38

1-Methylnaphthalene

Concen: 4.303 ng

RT: 12.445 min Scan# 1592

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

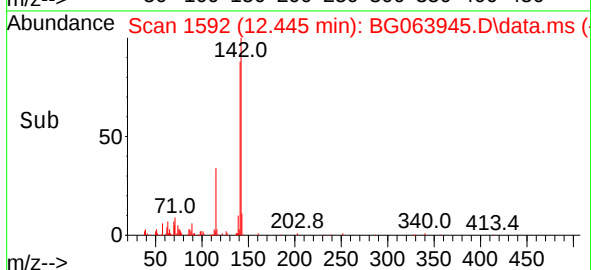
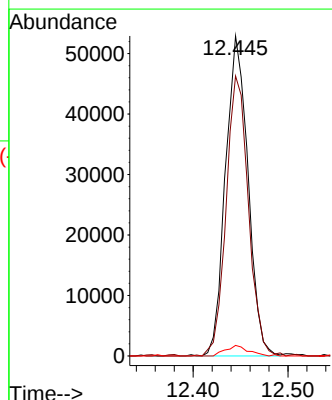
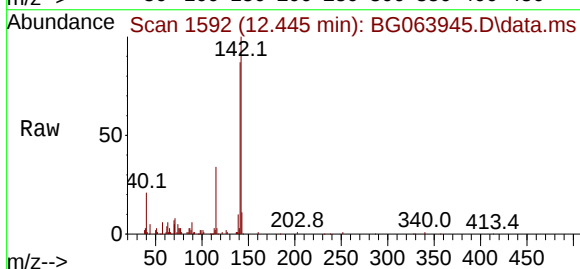
Tgt Ion:142 Resp: 87206

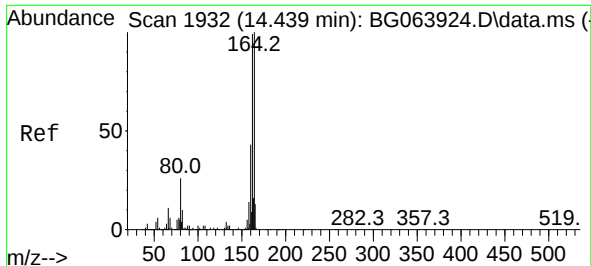
Ion Ratio Lower Upper

142 100

141 87.5 73.4 110.2

116 3.3 3.7 5.5#

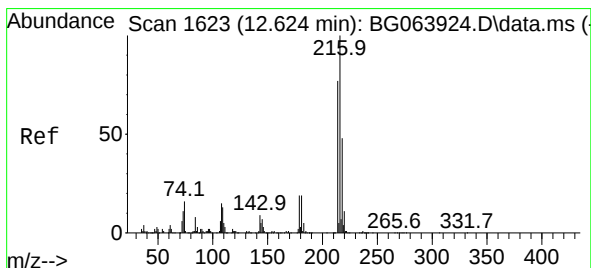
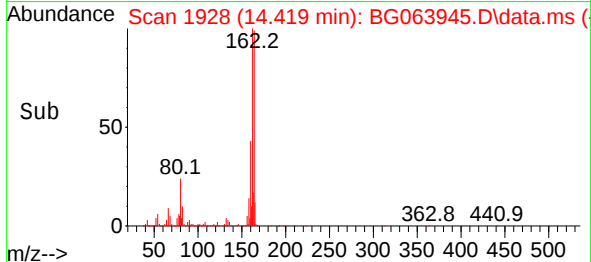
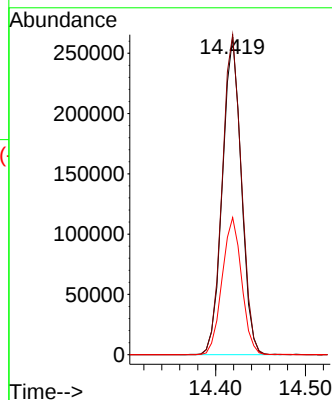
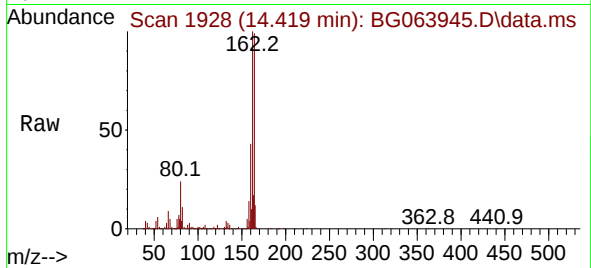




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

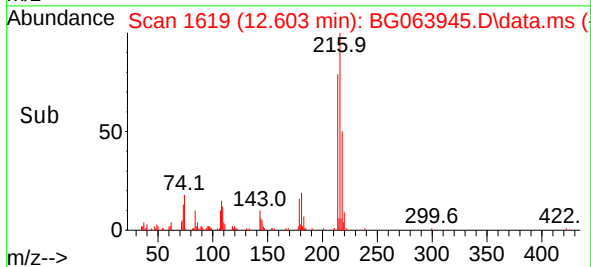
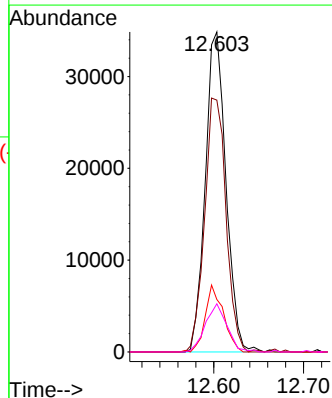
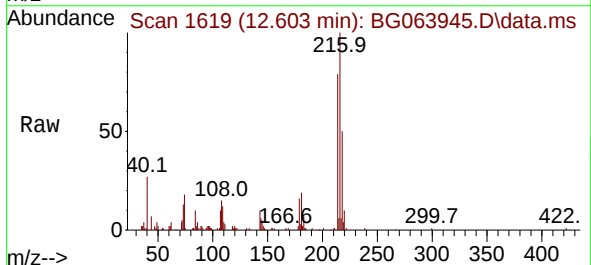
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

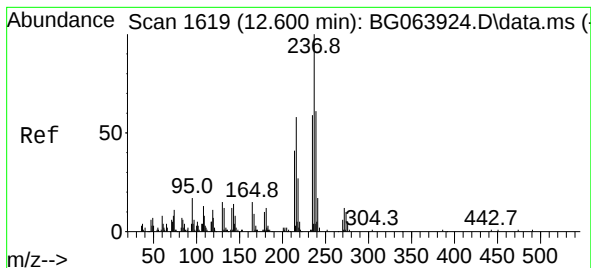
Tgt Ion:164 Resp: 383311
Ion Ratio Lower Upper
164 100
162 100.7 79.1 118.7
160 43.2 34.6 52.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.331 ng
RT: 12.603 min Scan# 1619
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:216 Resp: 55704
Ion Ratio Lower Upper
216 100
214 82.2 61.8 92.8
179 18.5 15.5 23.3
108 15.8 12.8 19.2





#41

Hexachlorocyclopentadiene

Concen: 11.462 ng

RT: 12.439 min Scan# 1

Delta R.T. -0.161 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

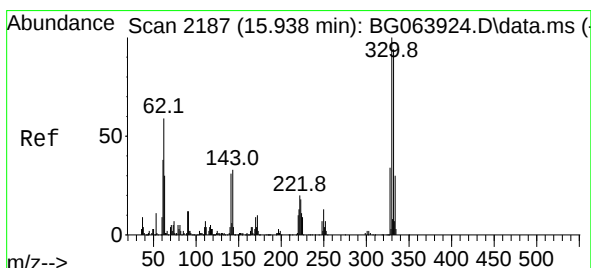
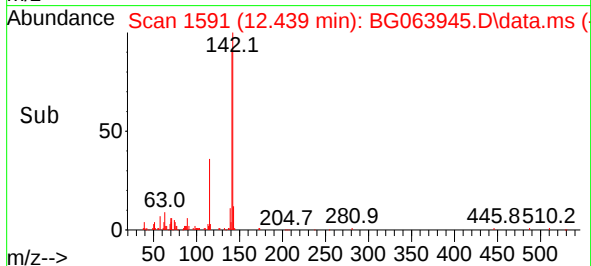
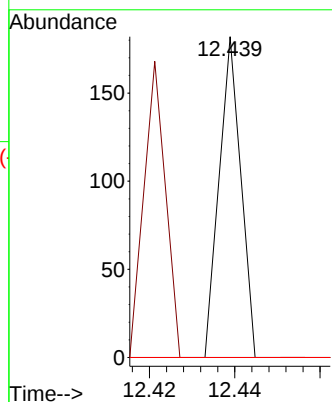
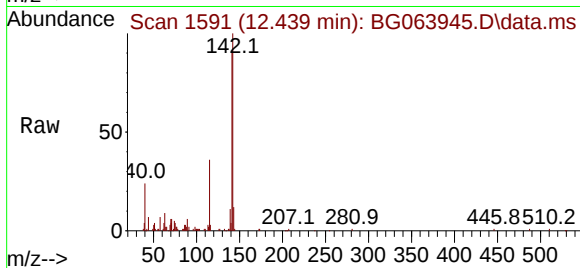
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:237	Resp:	64
Ion Ratio	Lower	Upper
237	100	
235	0.0	39.2 79.2#
272	0.0	0.0 31.6



#42

2,4,6-Tribromophenol

Concen: 96.162 ng

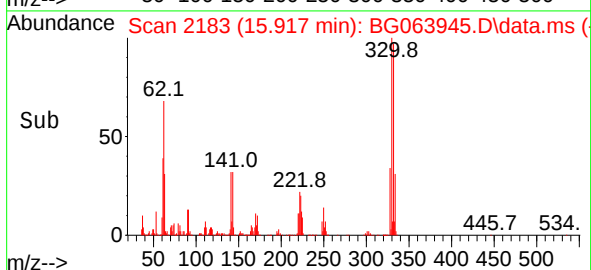
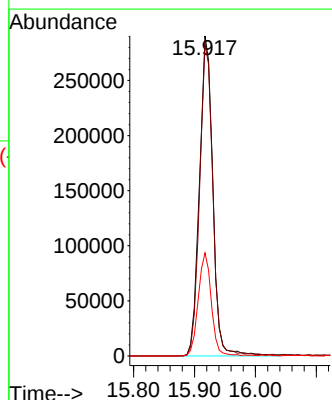
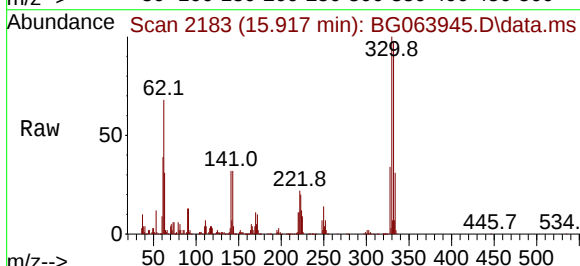
RT: 15.917 min Scan# 2183

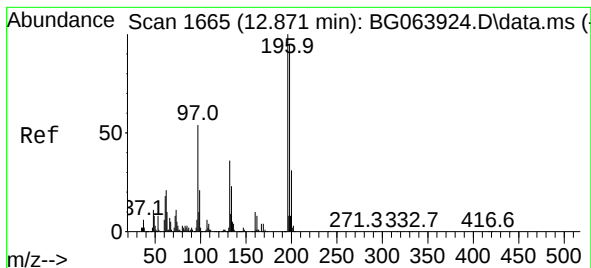
Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Tgt Ion:330	Resp:	444482
Ion Ratio	Lower	Upper
330	100	
332	96.1	76.6 114.8
141	31.5	24.4 36.6





#43

2,4,6-Trichlorophenol

Concen: 3.605 ng

RT: 12.850 min Scan# 1

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

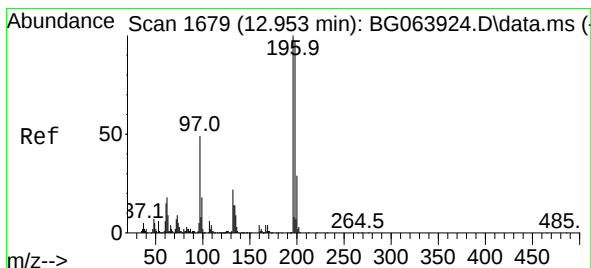
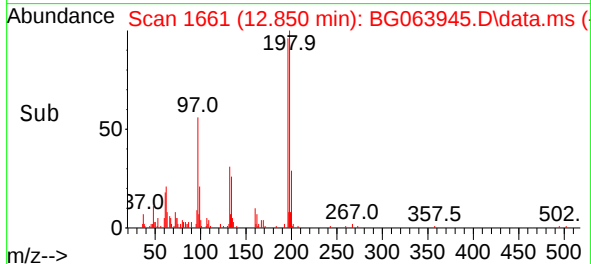
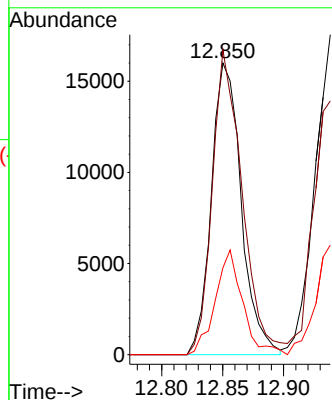
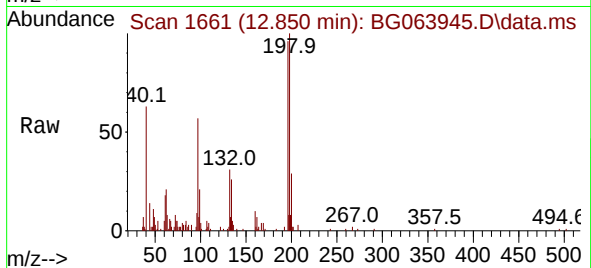
Tgt Ion:196 Resp: 27305

Ion Ratio Lower Upper

196 100

198 104.5 76.3 114.5

200 29.8 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 3.992 ng

RT: 12.938 min Scan# 1676

Delta R.T. -0.014 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Tgt Ion:196 Resp: 33935

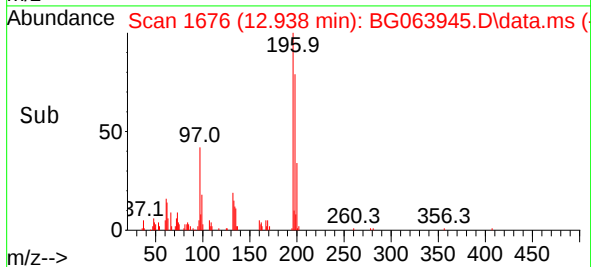
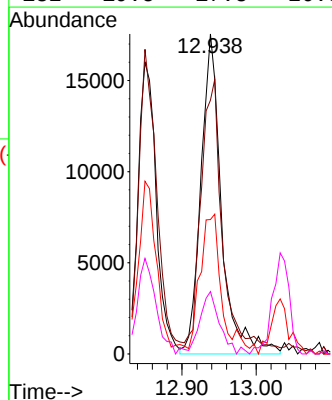
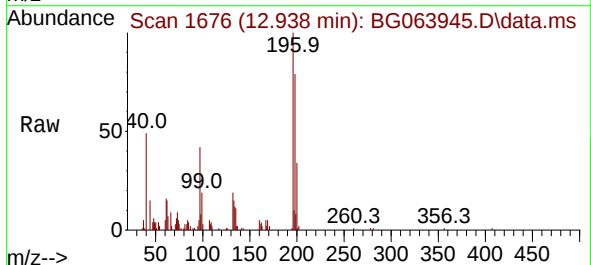
Ion Ratio Lower Upper

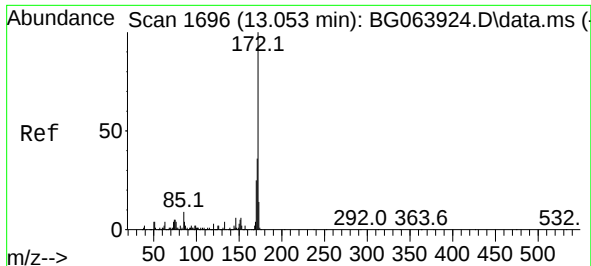
196 100

198 79.3 77.7 116.5

97 42.0 39.5 59.3

132 19.5 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 71.760 ng

RT: 13.032 min Scan# 1

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

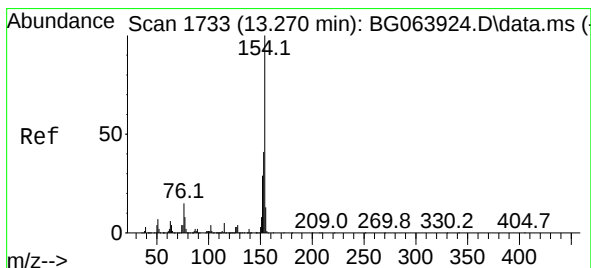
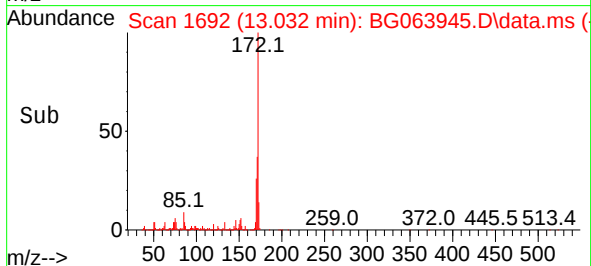
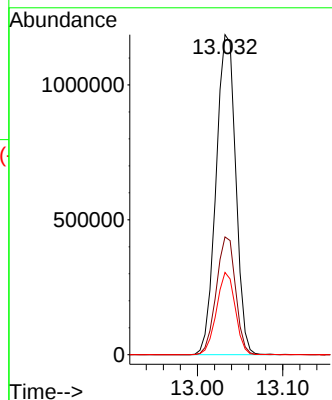
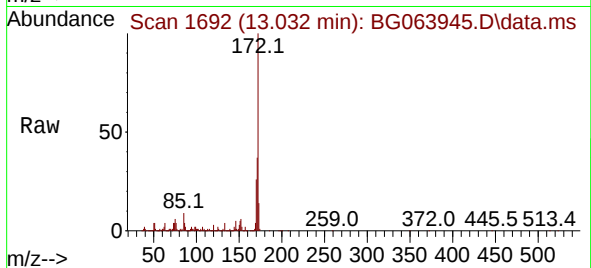
Tgt Ion:172 Resp: 1898683

Ion Ratio Lower Upper

172 100

171 36.8 29.2 43.8

170 25.7 20.1 30.1



#46

1,1'-Biphenyl

Concen: 4.605 ng

RT: 13.244 min Scan# 1728

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

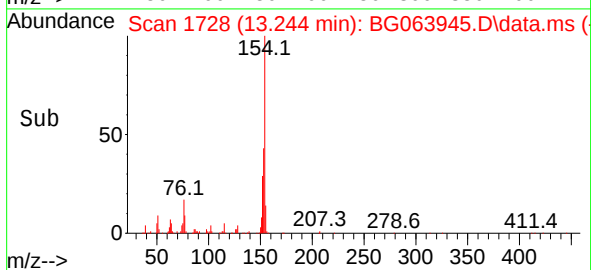
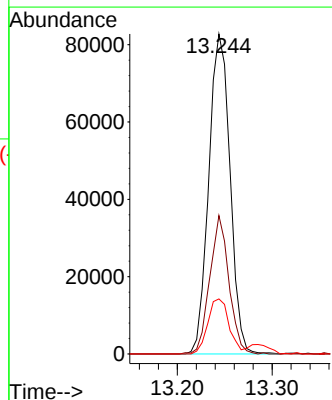
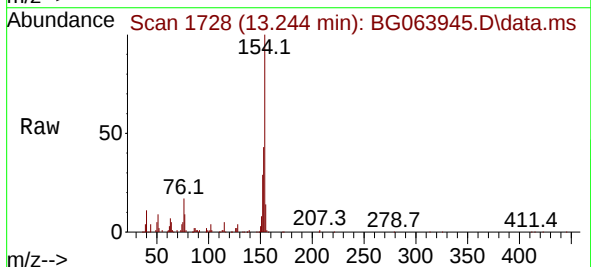
Tgt Ion:154 Resp: 128830

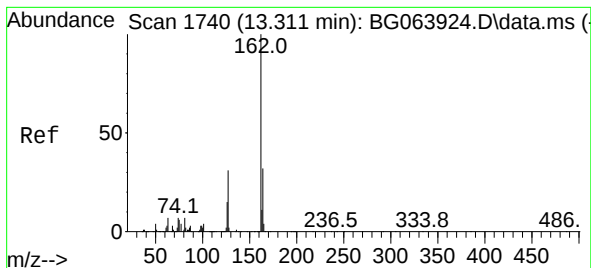
Ion Ratio Lower Upper

154 100

153 43.2 21.4 61.4

76 17.2 0.0 35.0





#47

2-Chloronaphthalene

Concen: 4.280 ng

RT: 13.285 min Scan# 1

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

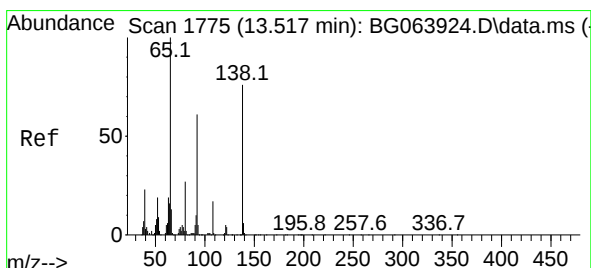
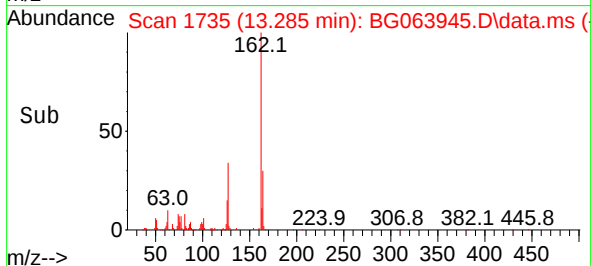
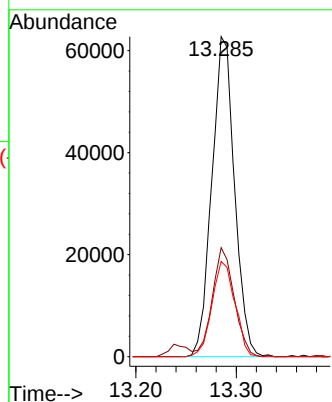
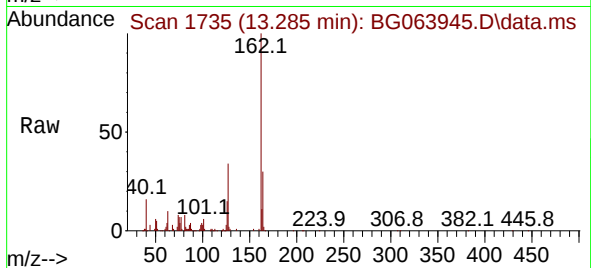
Tgt Ion:162 Resp: 98448

Ion Ratio Lower Upper

162 100

127 34.1 25.6 38.4

164 29.7 25.7 38.5



#48

2-Nitroaniline

Concen: 3.322 ng

RT: 13.502 min Scan# 1772

Delta R.T. -0.014 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

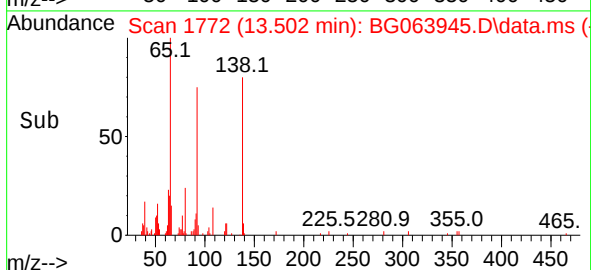
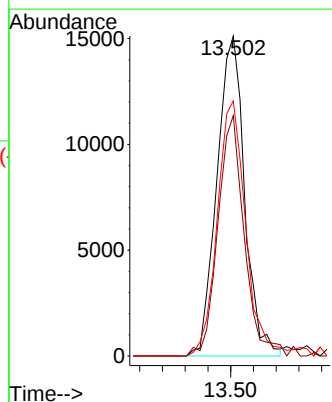
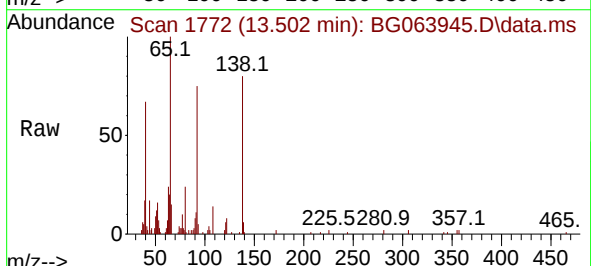
Tgt Ion: 65 Resp: 25564

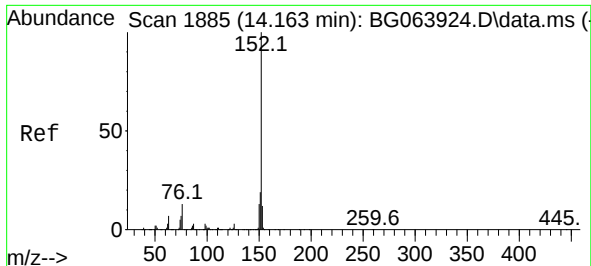
Ion Ratio Lower Upper

65 100

92 75.1 48.9 73.3#

138 79.7 61.0 91.6

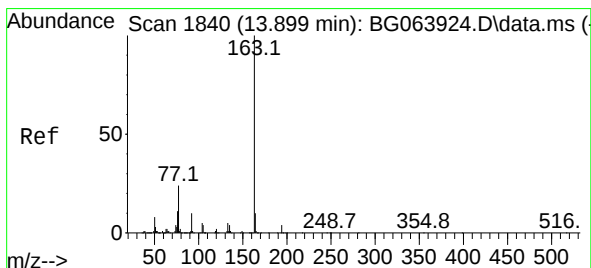
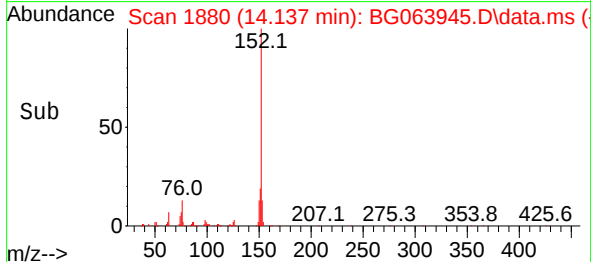
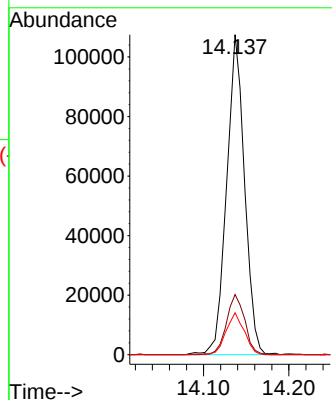
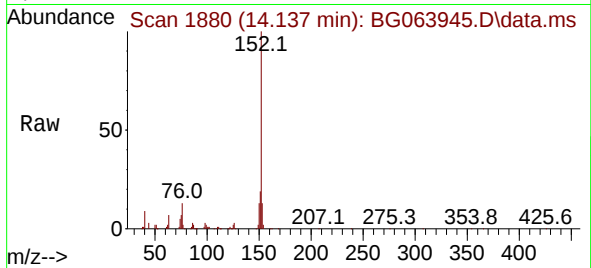




#49
Acenaphthylene
Concen: 4.612 ng
RT: 14.137 min Scan# 1880
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

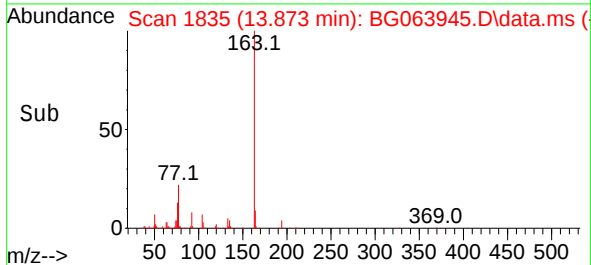
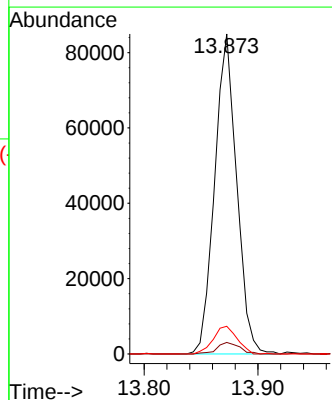
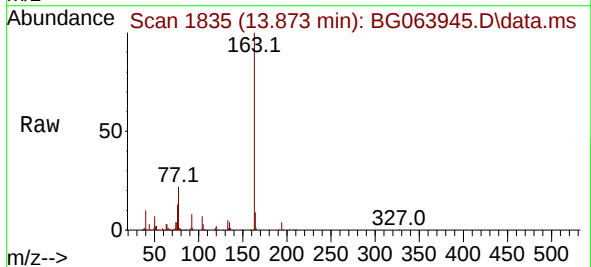
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

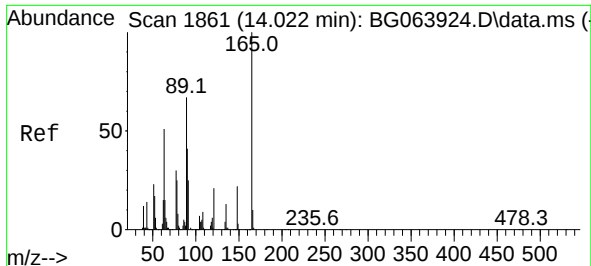
Tgt Ion:152 Resp: 157187
Ion Ratio Lower Upper
152 100
151 18.8 15.5 23.3
153 13.1 9.9 14.9



#50
Dimethylphthalate
Concen: 4.082 ng
RT: 13.873 min Scan# 1835
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:163 Resp: 114290
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 8.7 7.8 11.8

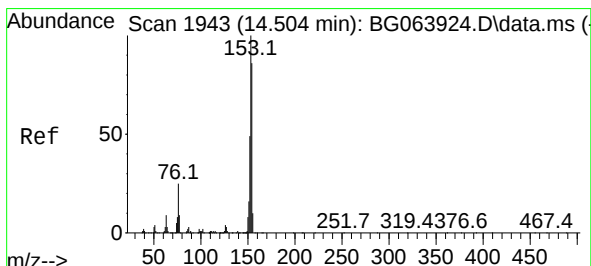
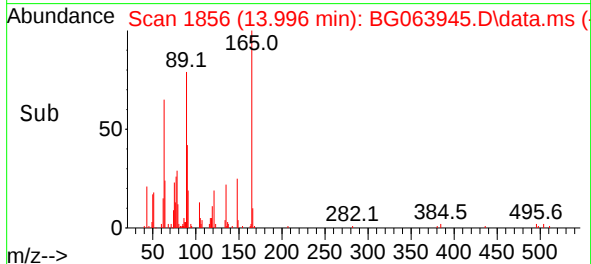
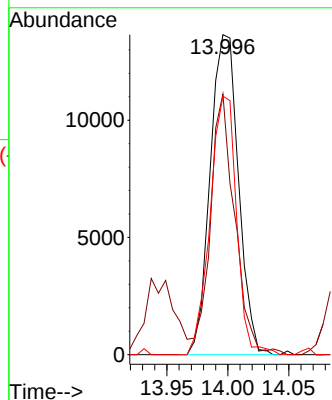
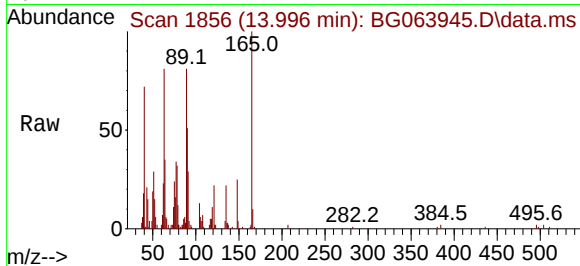




#51
2,6-Dinitrotoluene
Concen: 3.524 ng
RT: 13.996 min Scan# 1856
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

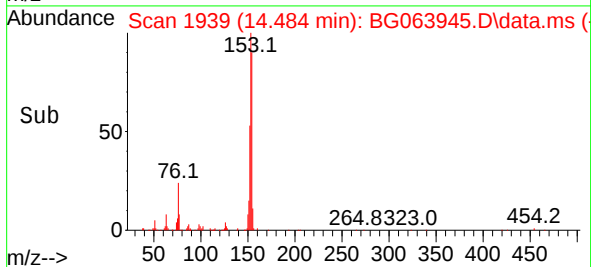
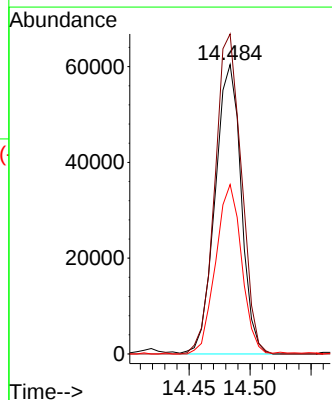
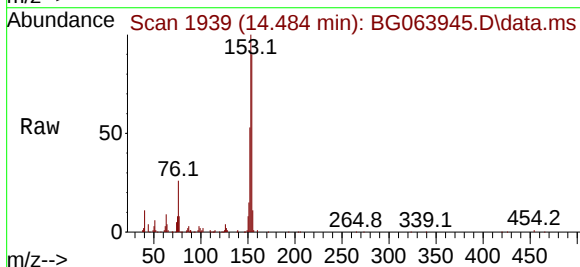
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

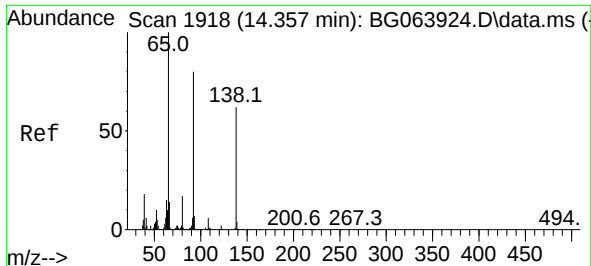
Tgt Ion:165 Resp: 21975
Ion Ratio Lower Upper
165 100
63 81.4 53.9 80.9#
89 80.8 53.8 80.8#



#52
Acenaphthene
Concen: 4.311 ng
RT: 14.484 min Scan# 1939
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:154 Resp: 89825
Ion Ratio Lower Upper
154 100
153 110.6 93.4 140.0
152 58.5 46.1 69.1

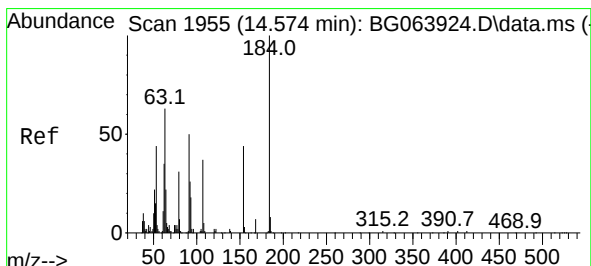
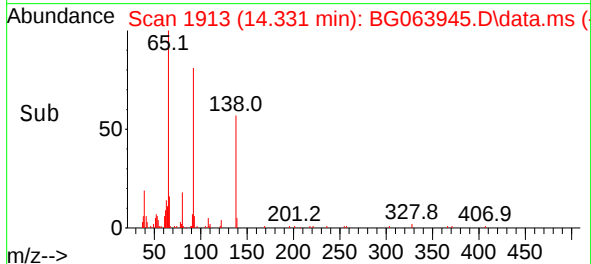
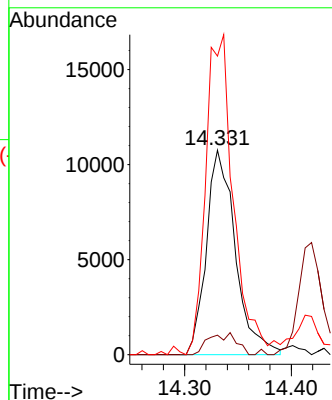
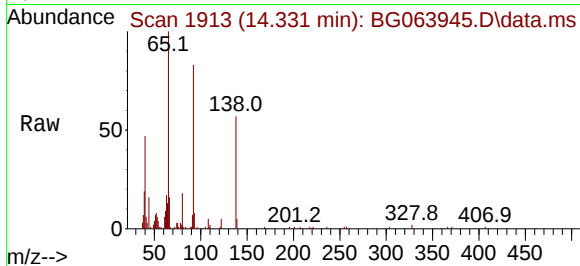




#53
3-Nitroaniline
Concen: 3.554 ng
RT: 14.331 min Scan# 1913
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

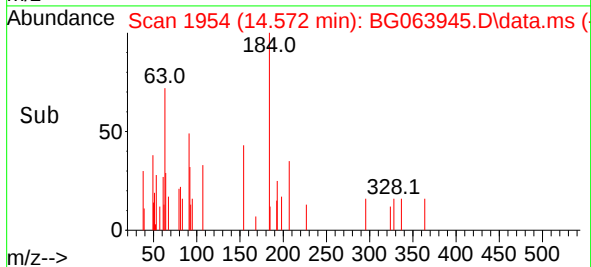
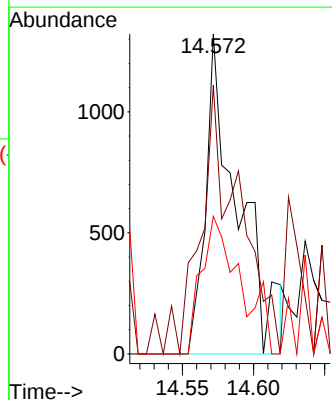
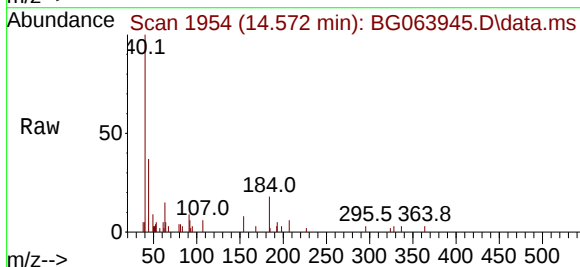
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

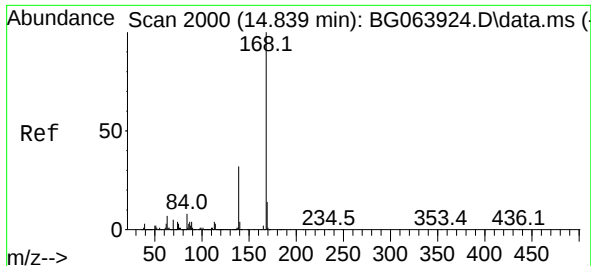
Tgt Ion:138 Resp: 20331
Ion Ratio Lower Upper
138 100
108 9.5 7.8 11.8
92 146.0 104.2 156.2



#54
2,4-Dinitrophenol
Concen: 8.554 ng
RT: 14.572 min Scan# 1954
Delta R.T. -0.002 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:184 Resp: 2102
Ion Ratio Lower Upper
184 100
63 75.2 50.8 76.2
154 38.5 44.2 66.2#

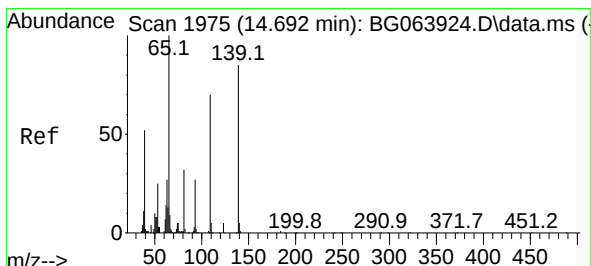
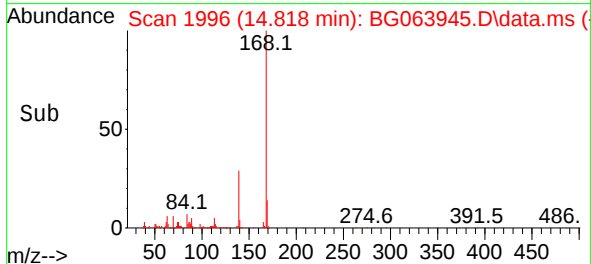
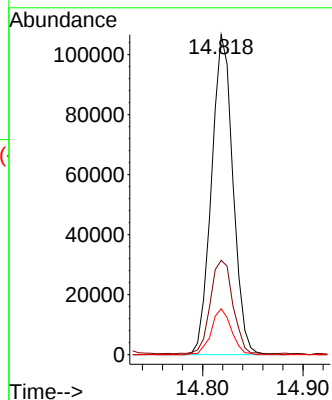
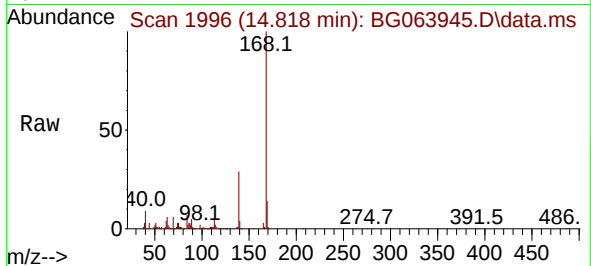




#55
Dibenzenofuran
Concen: 4.380 ng
RT: 14.818 min Scan# 1996
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

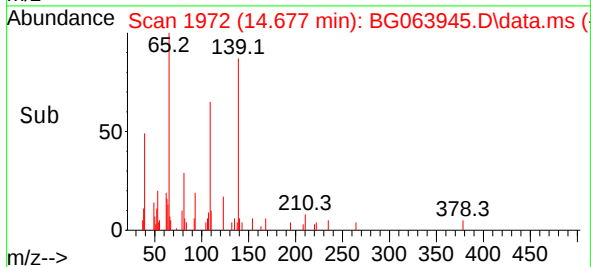
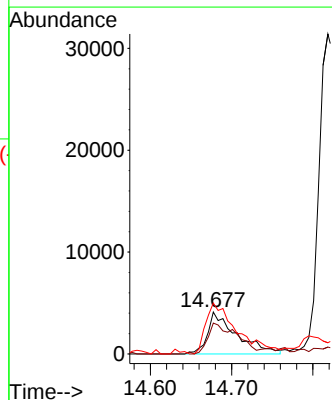
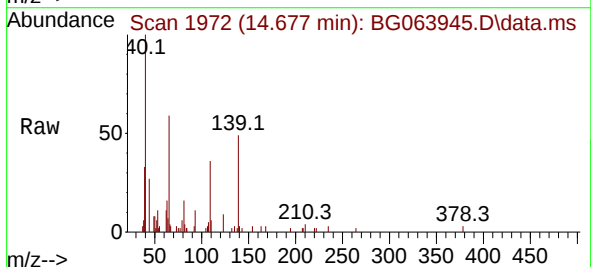
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2024

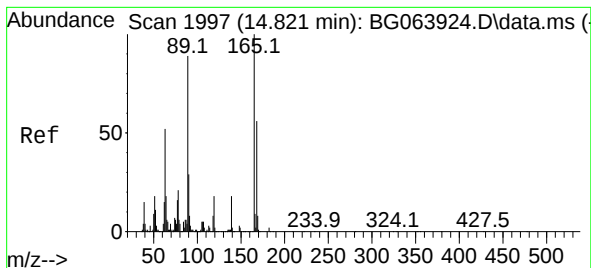
Tgt Ion:168 Resp: 158413
Ion Ratio Lower Upper
168 100
139 29.5 26.0 39.0
169 14.4 10.8 16.2



#56
4-Nitrophenol
Concen: 2.591 ng
RT: 14.677 min Scan# 1972
Delta R.T. -0.015 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:139 Resp: 10165
Ion Ratio Lower Upper
139 100
109 73.8 62.8 102.8
65 121.6 98.2 138.2





#57

2,4-Dinitrotoluene

Concen: 3.416 ng

RT: 14.801 min Scan# 1

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:165 Resp: 29902

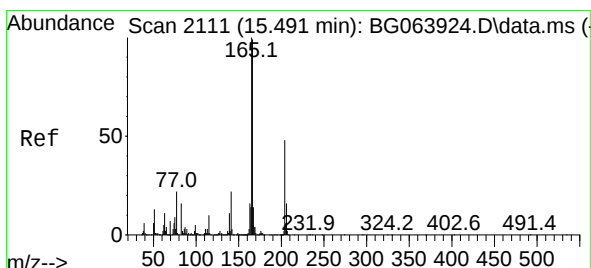
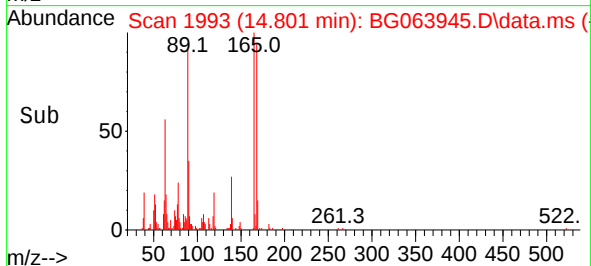
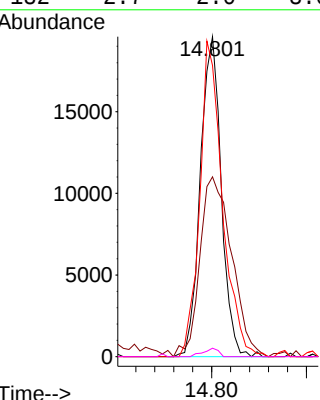
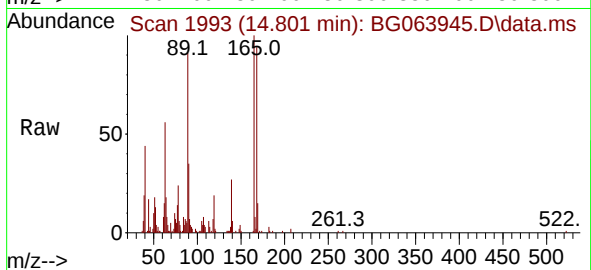
Ion Ratio Lower Upper

165 100

63 56.2 41.6 62.4

89 91.0 71.0 106.6

182 2.7 2.0 3.0



#58

Fluorene

Concen: 4.402 ng

RT: 15.471 min Scan# 2107

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

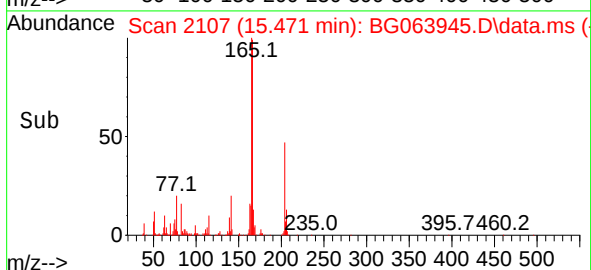
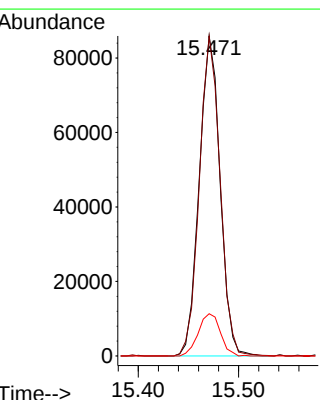
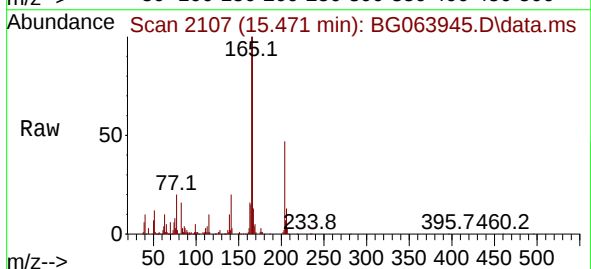
Tgt Ion:166 Resp: 123712

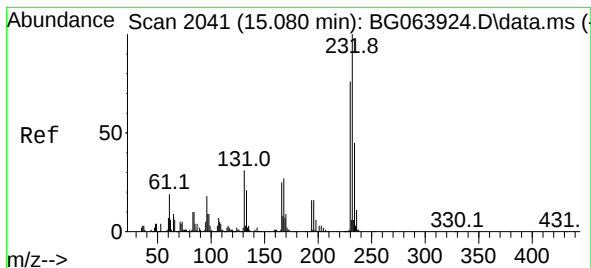
Ion Ratio Lower Upper

166 100

165 99.9 81.2 121.8

167 13.2 11.2 16.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.519 ng

RT: 15.059 min Scan# 2041

Delta R.T. -0.020 min

Lab File: BG063945.D

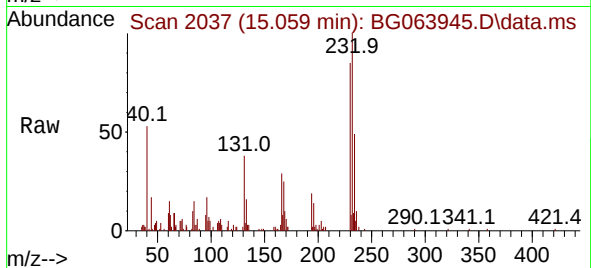
Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion:232 Resp: 26397

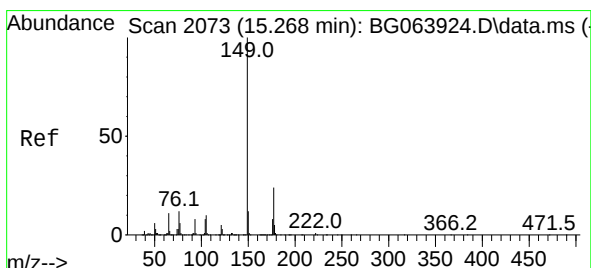
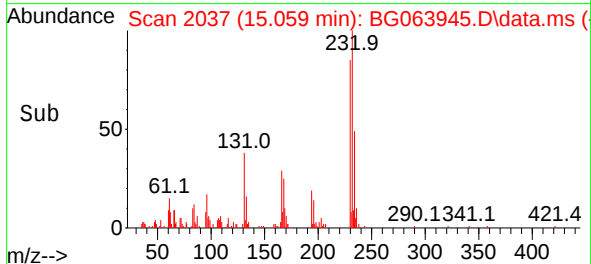
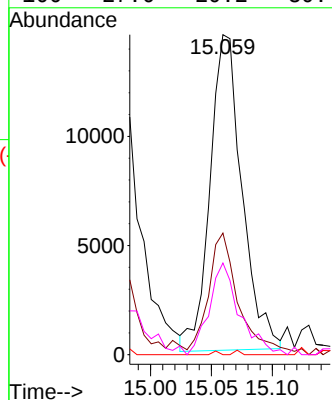
Ion Ratio Lower Upper

232 100

131 36.9 25.8 38.6

130 0.2 1.5 2.3#

166 27.6 20.2 30.4



#60

Diethylphthalate

Concen: 3.899 ng

RT: 15.241 min Scan# 2068

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

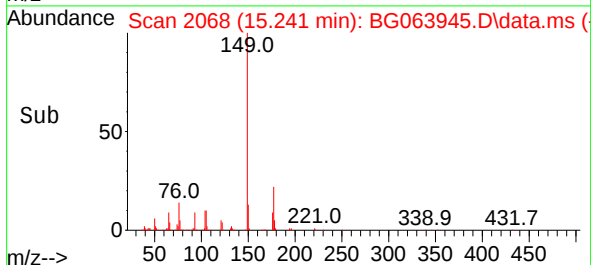
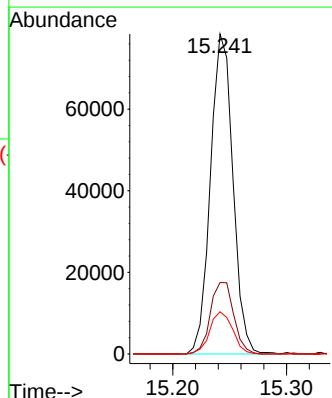
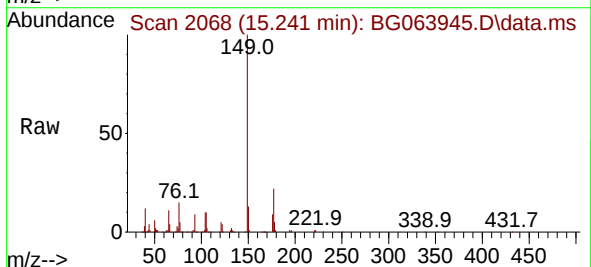
Tgt Ion:149 Resp: 107603

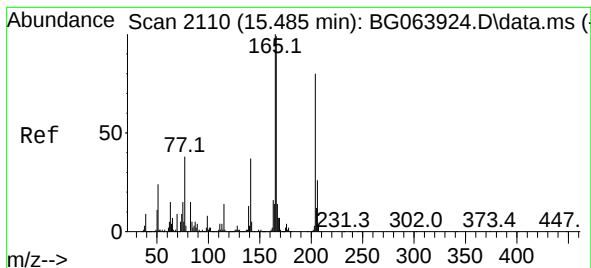
Ion Ratio Lower Upper

149 100

177 22.3 19.1 28.7

150 13.2 9.8 14.8

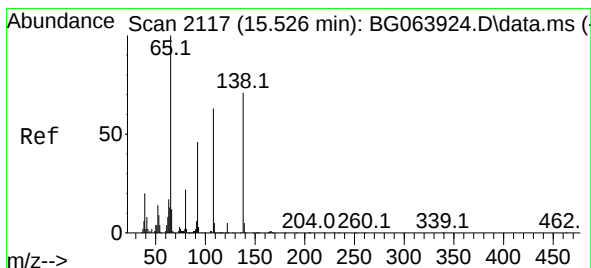
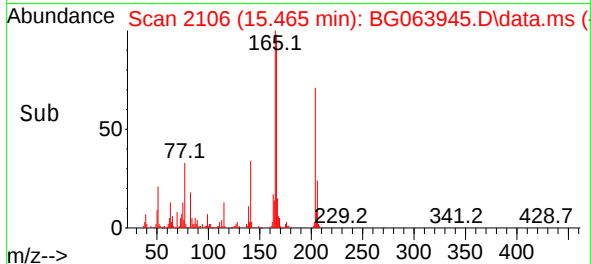
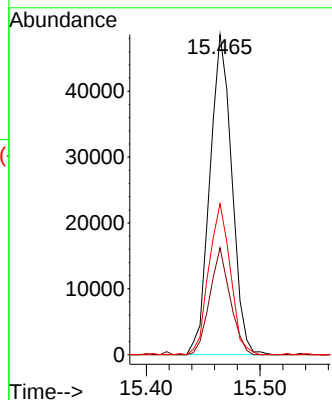
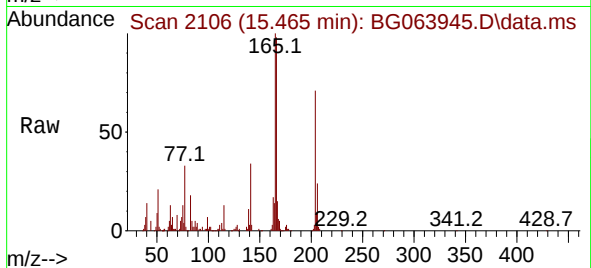




#61
4-Chlorophenyl-phenylether
Concen: 4.287 ng
RT: 15.465 min Scan# 2110
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

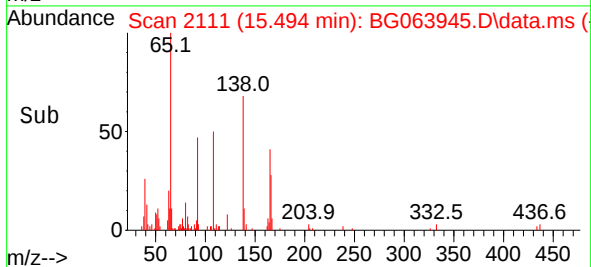
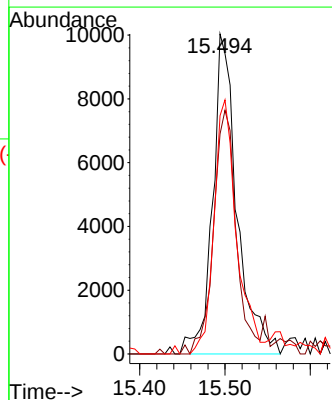
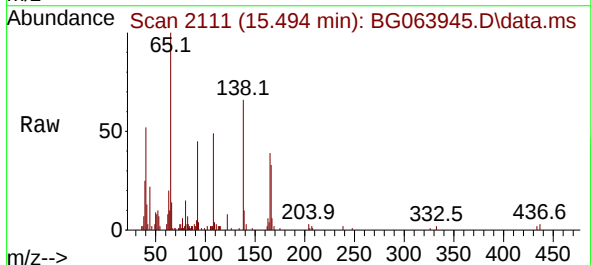
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

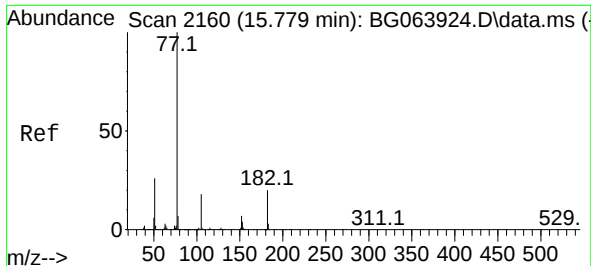
Tgt Ion:204 Resp: 65318
Ion Ratio Lower Upper
204 100
206 33.4 26.3 39.5
141 47.2 36.6 55.0



#62
4-Nitroaniline
Concen: 3.344 ng
RT: 15.494 min Scan# 2111
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:138 Resp: 19885
Ion Ratio Lower Upper
138 100
92 68.7 43.9 83.9
108 74.4 68.3 108.3

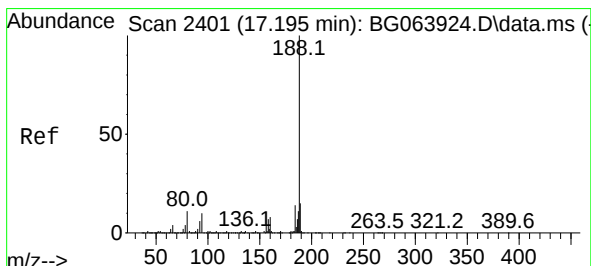
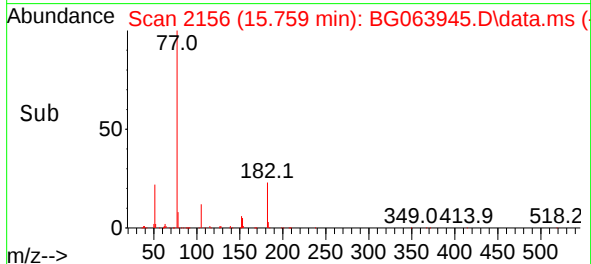
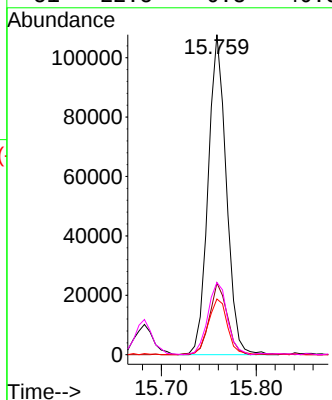
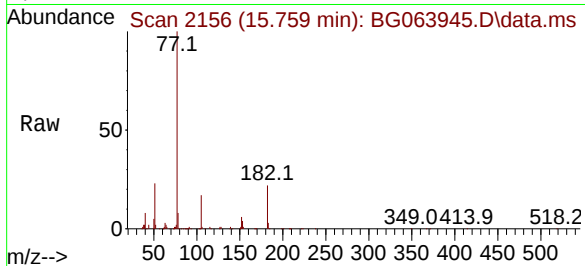




#63
 Azobenzene
 Concen: 4.117 ng
 RT: 15.759 min Scan# 2156
 Delta R.T. -0.020 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

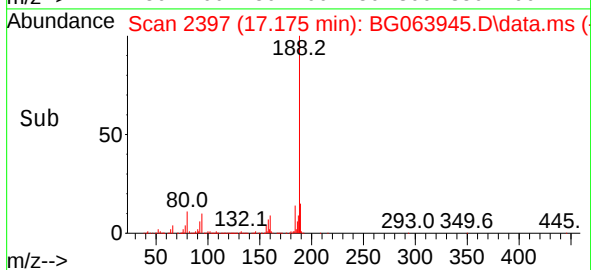
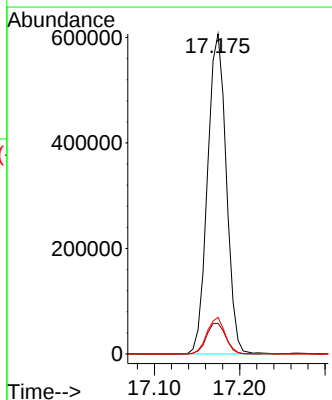
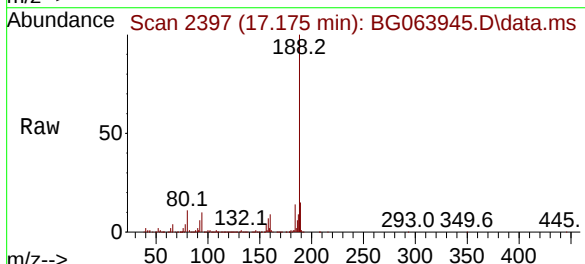
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

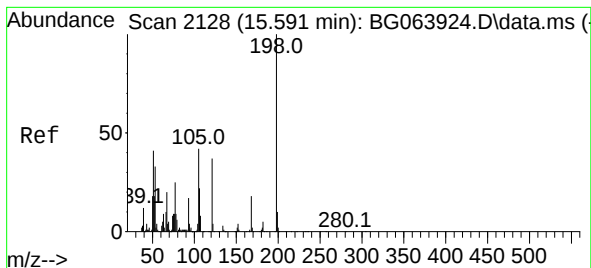
Tgt Ion: 77	Resp: 143726
Ion Ratio	Lower Upper
77 100	
182 22.4	0.2 40.2
105 17.4	0.0 37.9
51 22.5	6.3 46.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.175 min Scan# 2397
 Delta R.T. -0.020 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

Tgt Ion:188	Resp: 925992
Ion Ratio	Lower Upper
188 100	
94 9.5	8.4 12.6
80 11.5	9.1 13.7

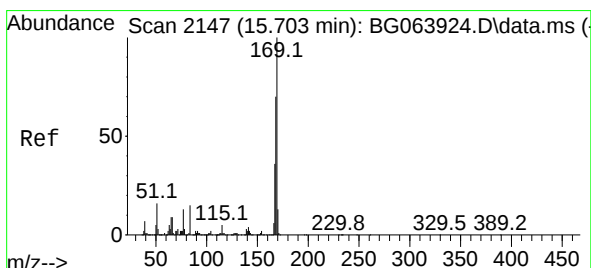
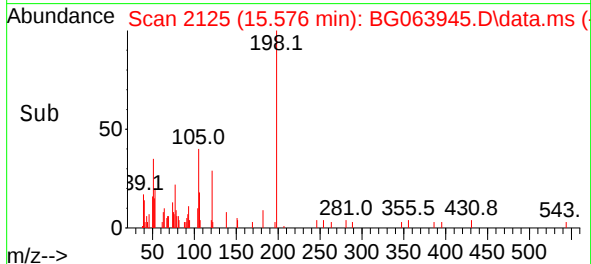
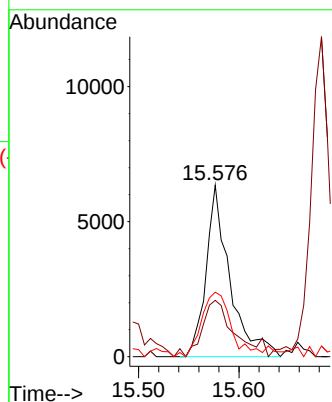
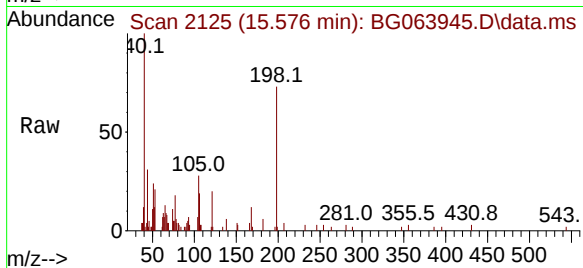




#65
4,6-Dinitro-2-methylphenol
Concen: 2.168 ng
RT: 15.576 min Scan# 2125
Delta R.T. -0.015 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

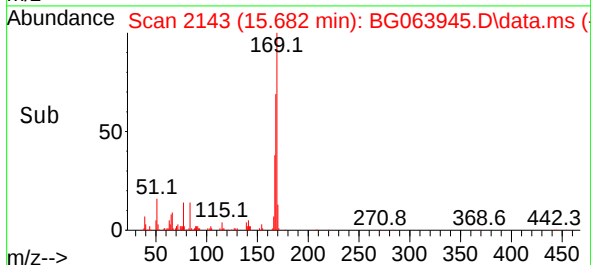
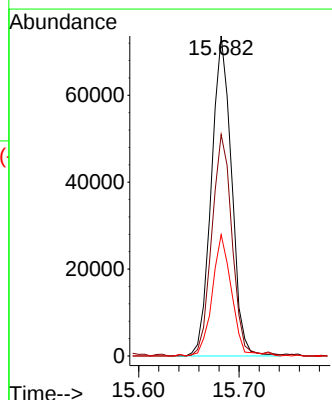
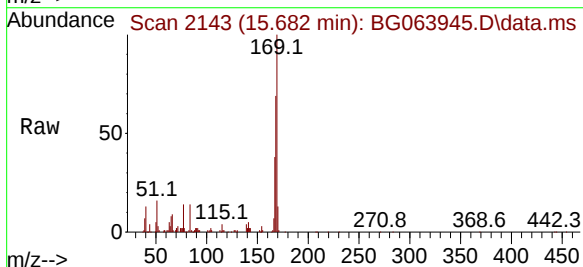
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

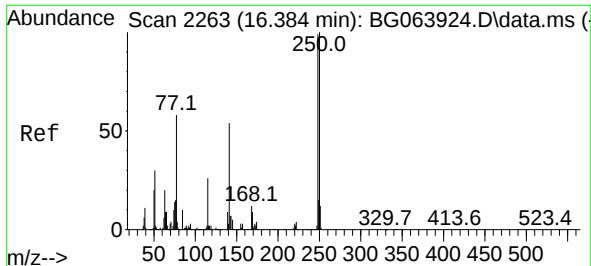
Tgt Ion:198 Resp: 10467
Ion Ratio Lower Upper
198 100
51 32.8 22.5 62.5
105 37.6 22.2 62.2



#66
n-Nitrosodiphenylamine
Concen: 4.277 ng
RT: 15.682 min Scan# 2143
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:169 Resp: 103143
Ion Ratio Lower Upper
169 100
168 69.2 56.2 84.2
167 37.9 29.2 43.8

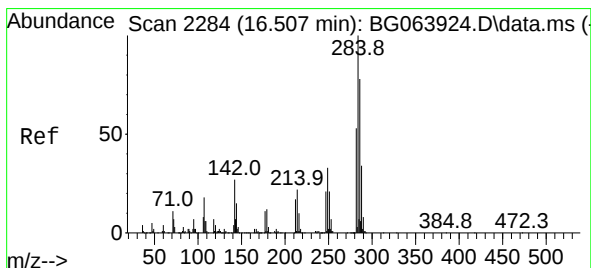
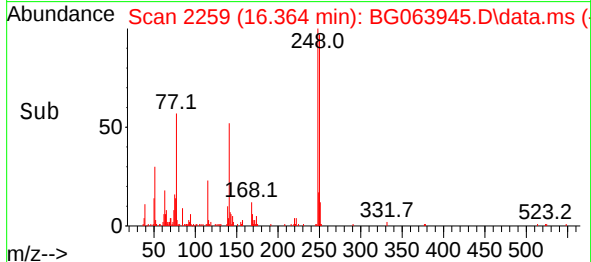
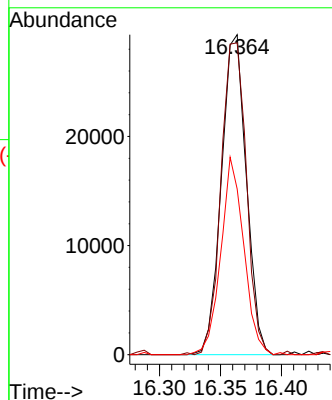
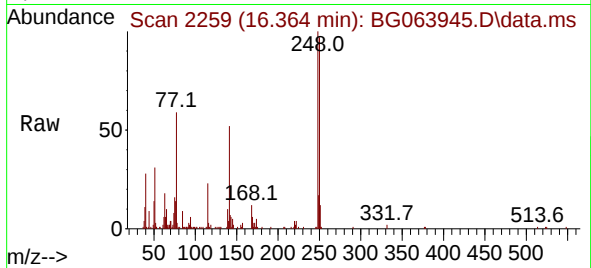




#67
4-Bromophenyl-phenylether
Concen: 4.081 ng
RT: 16.364 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

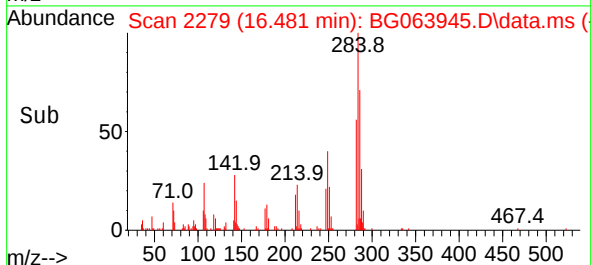
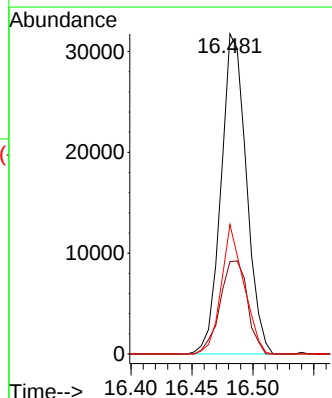
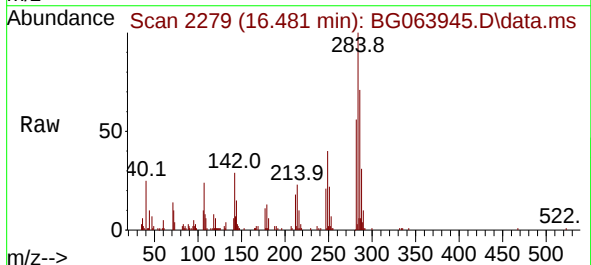
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

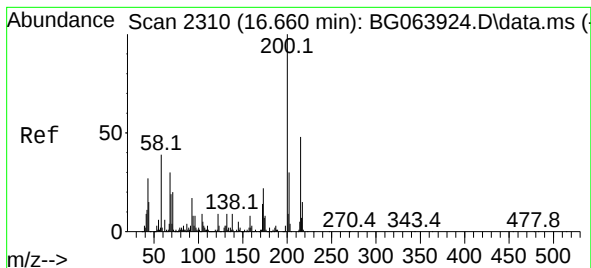
Tgt Ion:248 Resp: 41775
Ion Ratio Lower Upper
248 100
250 97.4 80.7 121.1
141 51.8 43.3 64.9



#68
Hexachlorobenzene
Concen: 3.917 ng
RT: 16.481 min Scan# 2279
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:284 Resp: 45779
Ion Ratio Lower Upper
284 100
142 28.9 22.0 33.0
249 40.4 26.2 39.2#





#69

Atrazine

Concen: 4.905 ng

RT: 16.634 min Scan# 2305

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

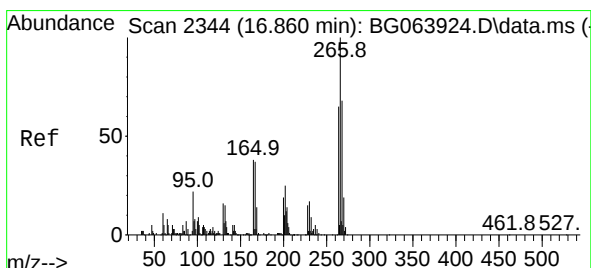
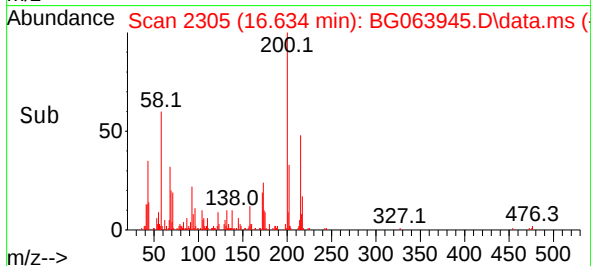
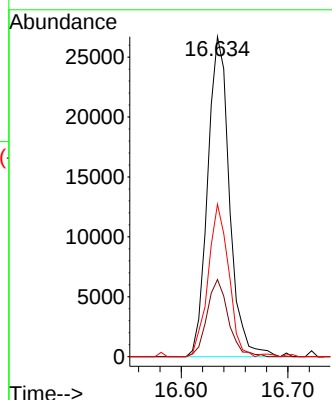
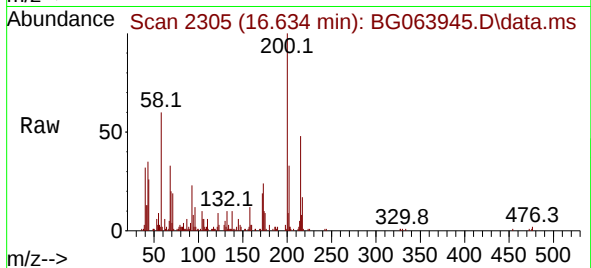
Tgt Ion:200 Resp: 37918

Ion Ratio Lower Upper

200 100

173 24.1 2.4 42.4

215 47.6 27.6 67.6



#70

Pentachlorophenol

Concen: 1.270 ng

RT: 16.845 min Scan# 2341

Delta R.T. -0.015 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

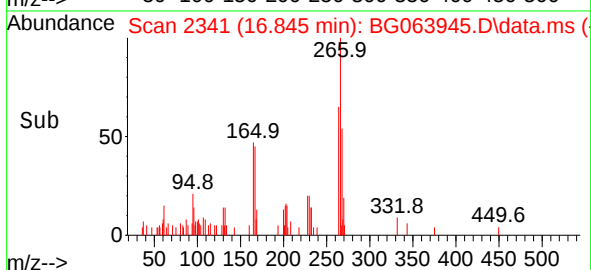
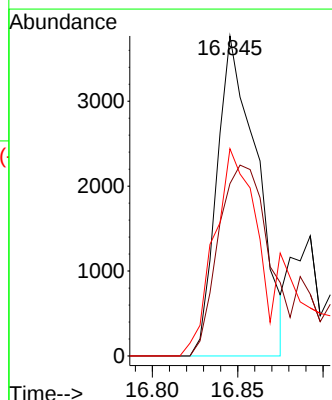
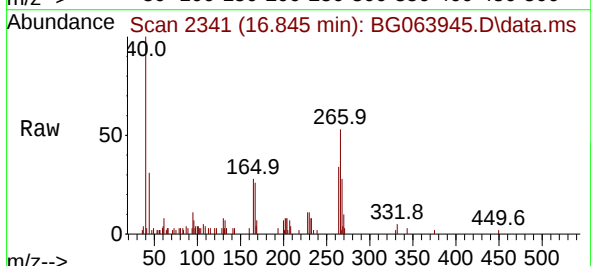
Tgt Ion:266 Resp: 6158

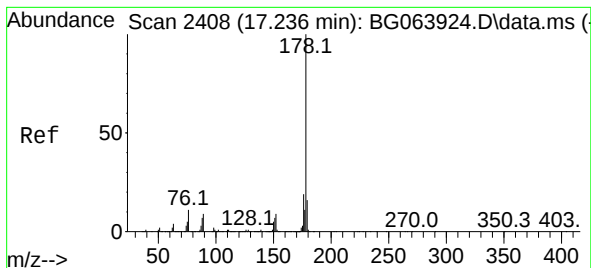
Ion Ratio Lower Upper

266 100

268 53.8 54.5 81.7#

264 64.7 52.2 78.4





#71

Phenanthrene

Concen: 4.582 ng

RT: 17.216 min Scan# 2419

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

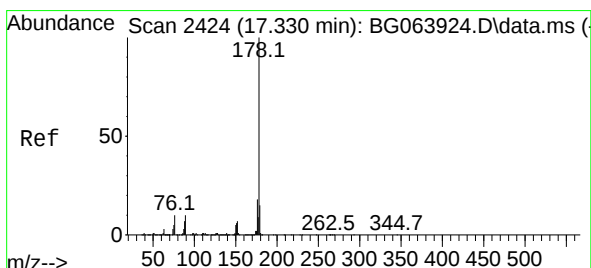
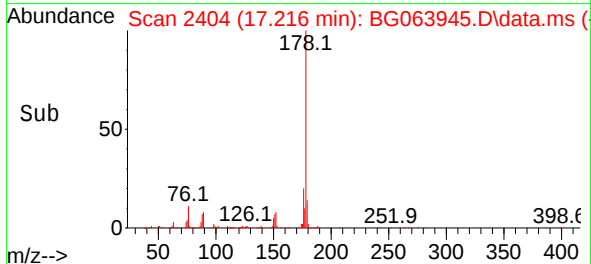
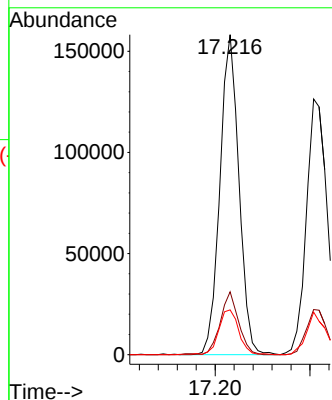
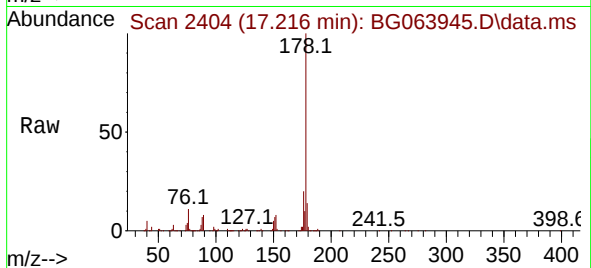
Tgt Ion:178 Resp: 220702

Ion Ratio Lower Upper

178 100

176 19.7 15.0 22.4

179 14.0 12.5 18.7



#72

Anthracene

Concen: 4.094 ng

RT: 17.304 min Scan# 2419

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

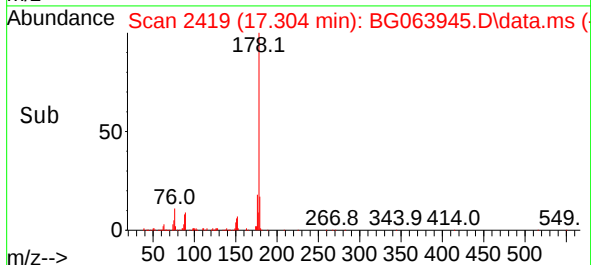
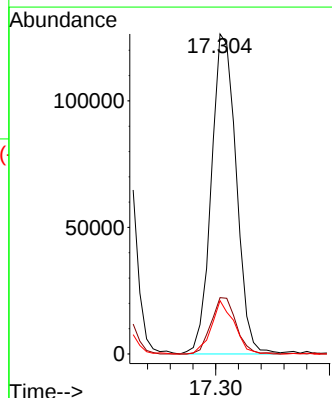
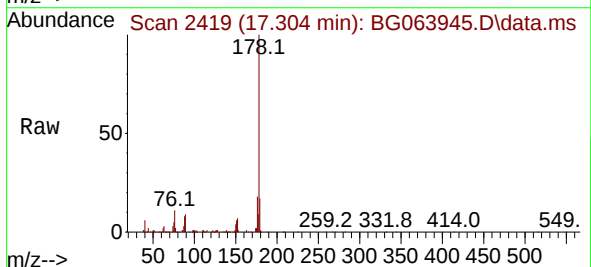
Tgt Ion:178 Resp: 191945

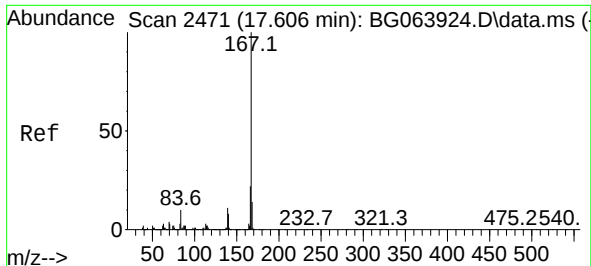
Ion Ratio Lower Upper

178 100

176 17.6 14.5 21.7

179 16.6 12.1 18.1

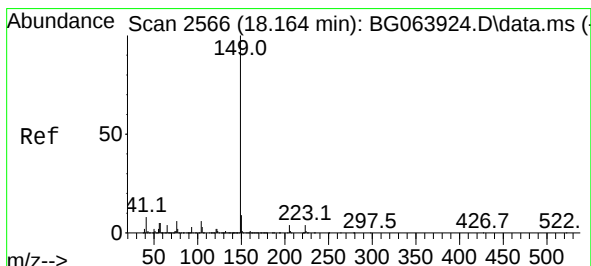
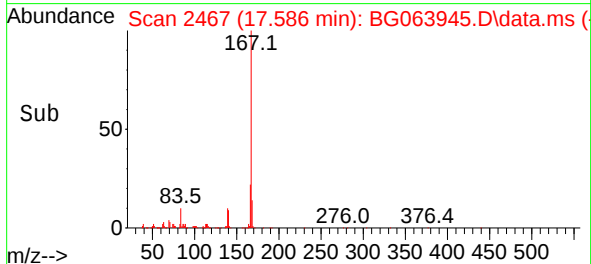
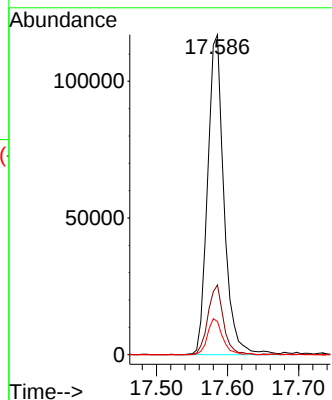
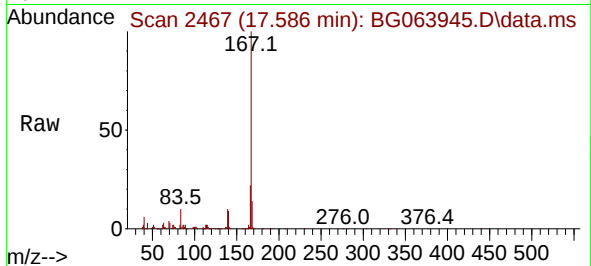




#73
 Carbazole
 Concen: 4.326 ng
 RT: 17.586 min Scan# 2471
 Delta R.T. -0.020 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

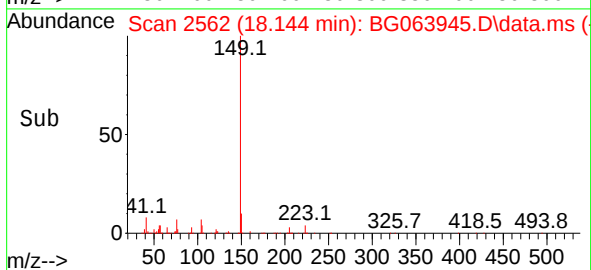
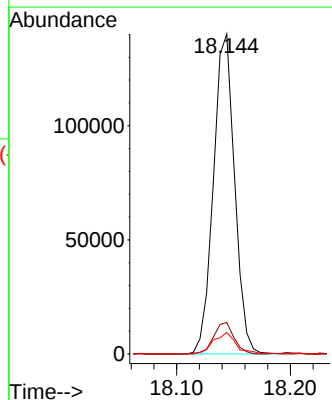
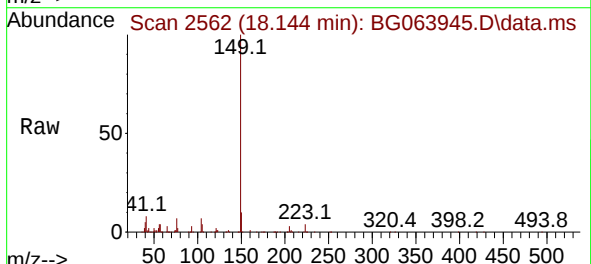
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

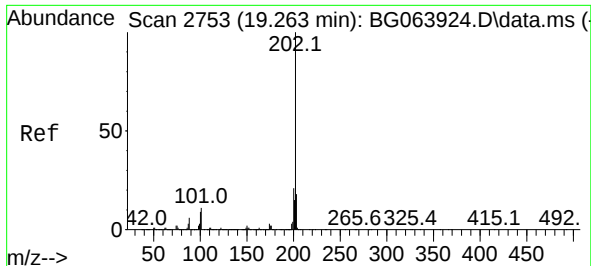
Tgt Ion:167 Resp: 187337
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 10.4 9.0 13.6



#74
 Di-n-butylphthalate
 Concen: 3.769 ng
 RT: 18.144 min Scan# 2562
 Delta R.T. -0.020 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

Tgt Ion:149 Resp: 181829
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.4 11.0
 104 6.7 4.9 7.3

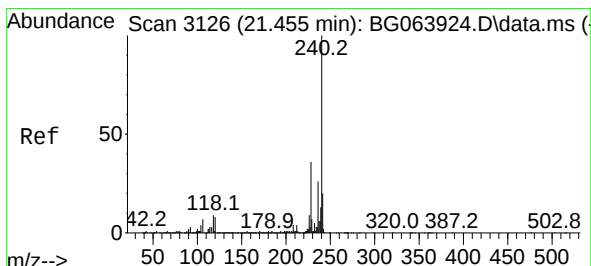
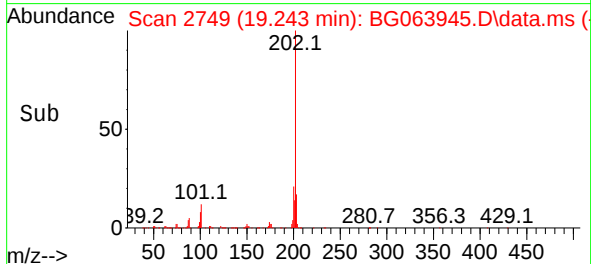
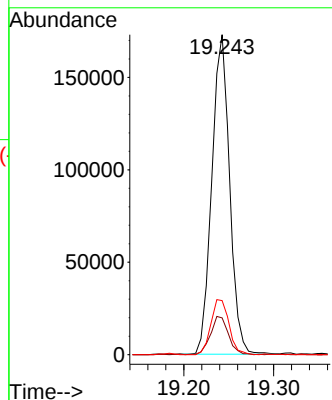
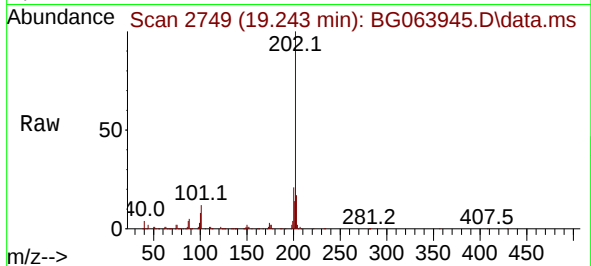




#75
Fluoranthene
Concen: 3.910 ng
RT: 19.243 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

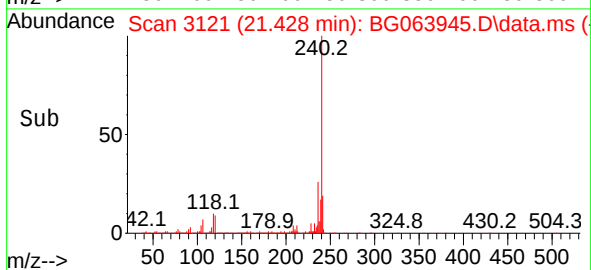
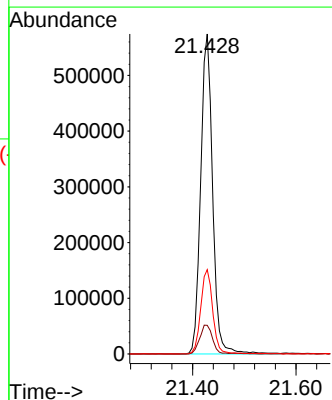
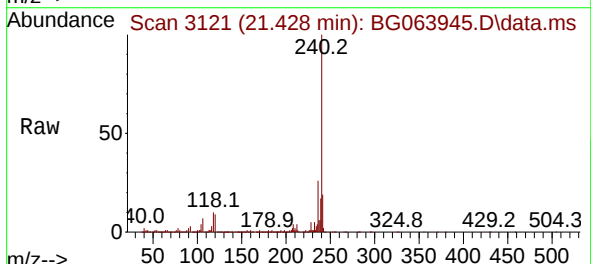
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

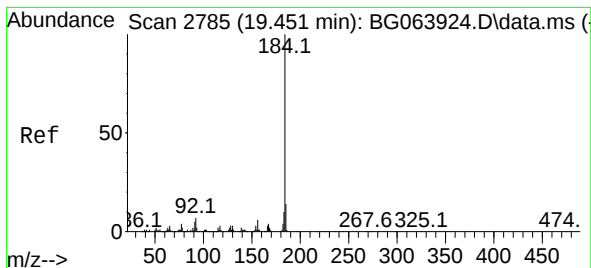
Tgt Ion:202 Resp: 237667
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.1
203 16.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.428 min Scan# 3121
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:240 Resp: 918646
Ion Ratio Lower Upper
240 100
120 9.0 6.7 10.1
236 26.4 21.2 31.8





#77

Benzidine

Concen: 2.146 ng

RT: 19.431 min Scan# 21

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

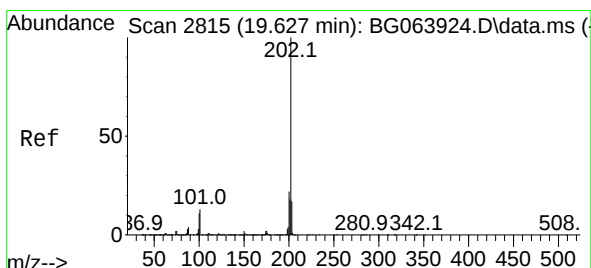
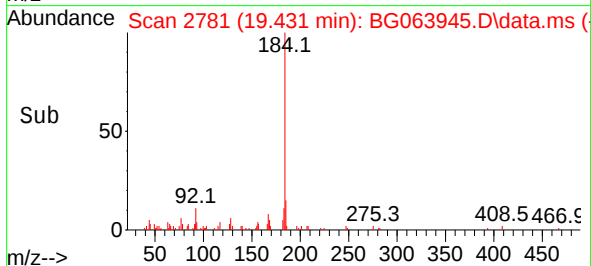
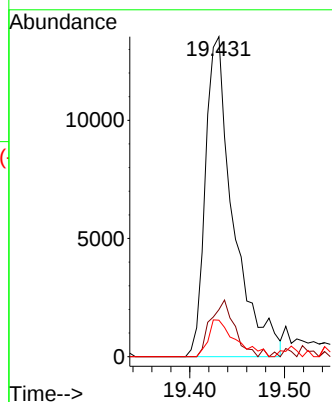
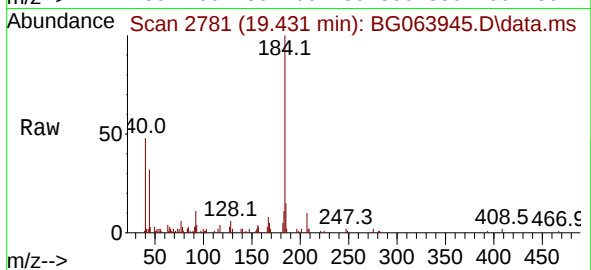
Tgt Ion:184 Resp: 27580

Ion Ratio Lower Upper

184 100

185 14.7 11.4 17.2

183 11.4 8.4 12.6



#78

Pyrene

Concen: 4.277 ng

RT: 19.601 min Scan# 2810

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

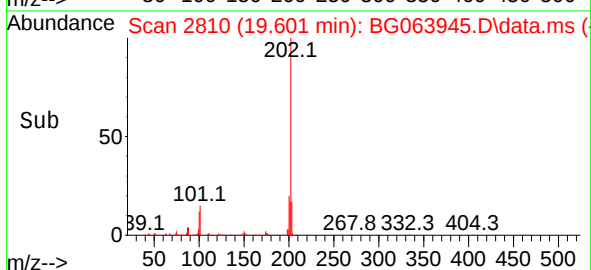
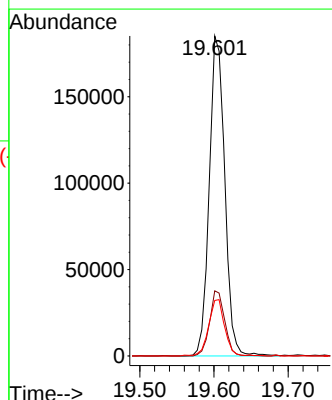
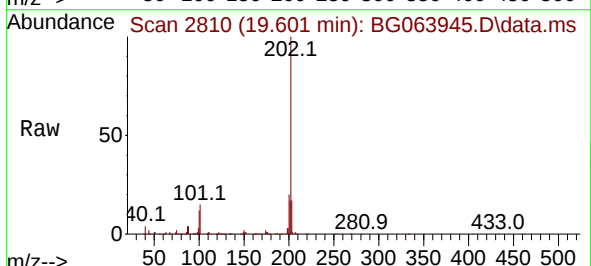
Tgt Ion:202 Resp: 269517

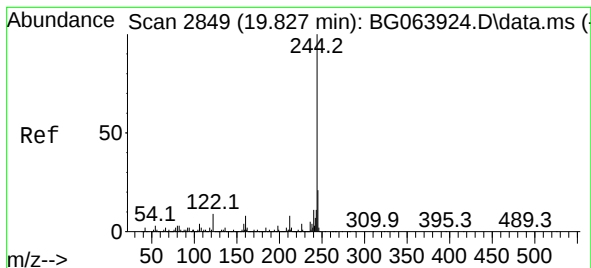
Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

203 17.3 13.9 20.9





#79

Terphenyl-d14

Concen: 64.206 ng

RT: 19.813 min Scan# 2

Delta R.T. -0.014 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

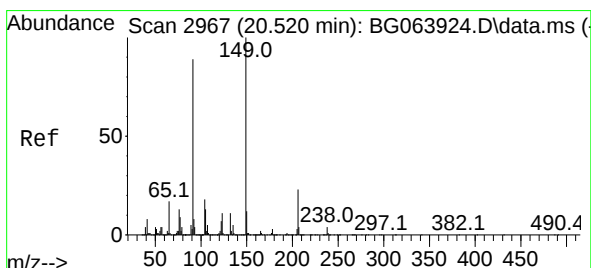
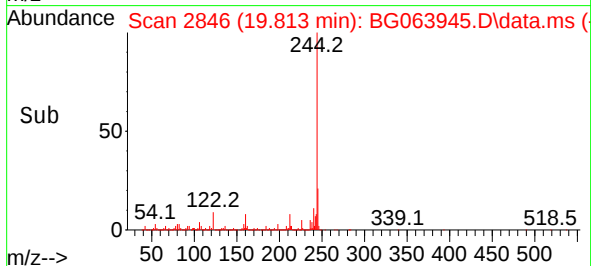
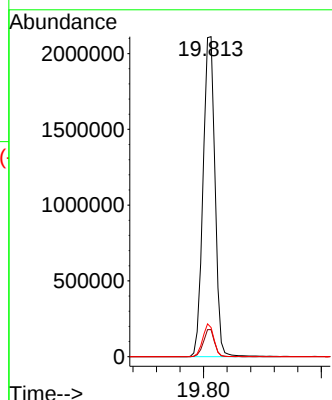
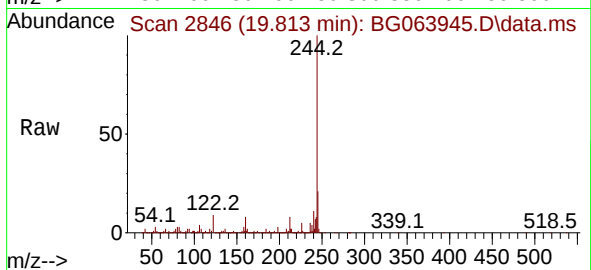
Tgt Ion:244 Resp: 2970640

Ion Ratio Lower Upper

244 100

212 8.4 6.7 10.1

122 9.1 7.4 11.0



#80

Butylbenzylphthalate

Concen: 3.030 ng

RT: 20.500 min Scan# 2963

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

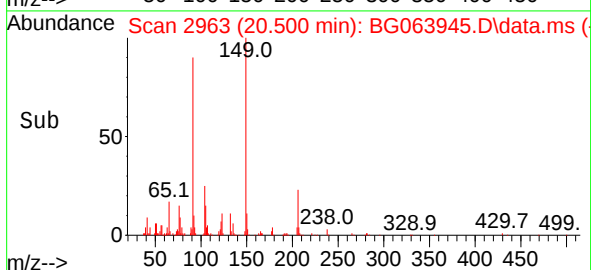
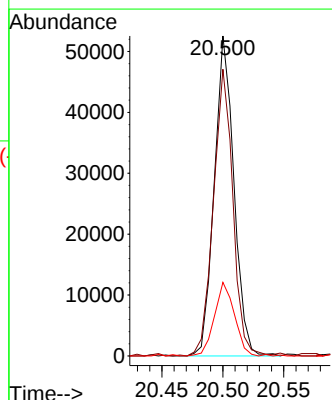
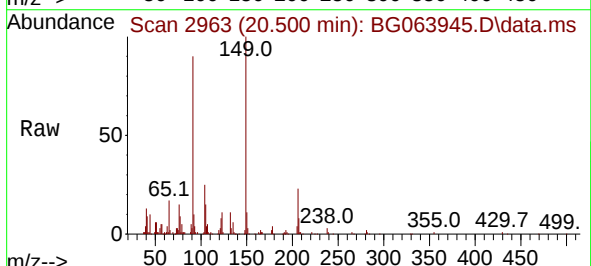
Tgt Ion:149 Resp: 58909

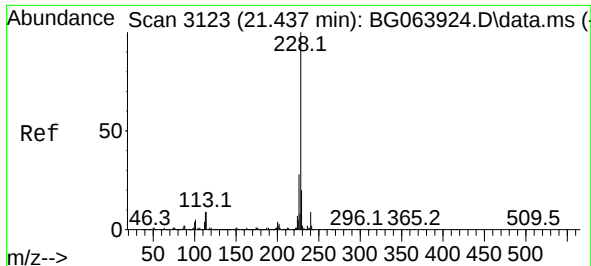
Ion Ratio Lower Upper

149 100

91 89.6 71.4 107.0

206 23.0 18.7 28.1

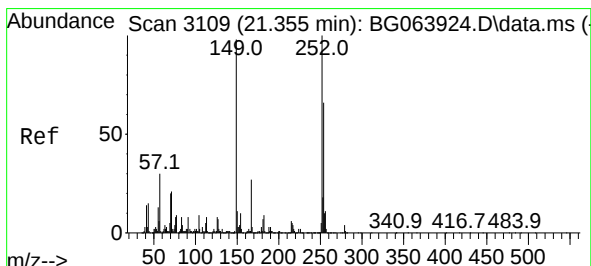
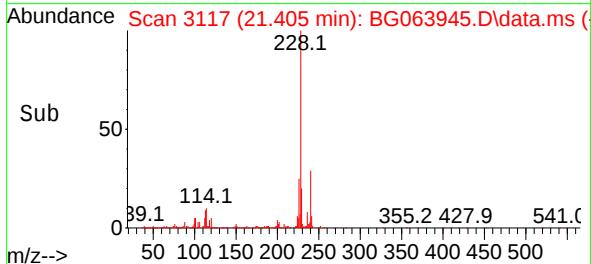
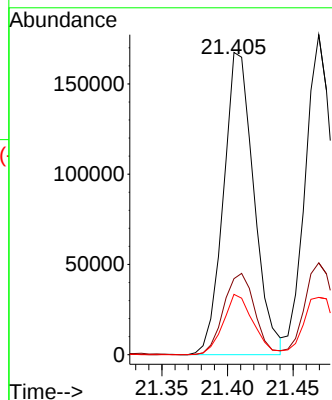
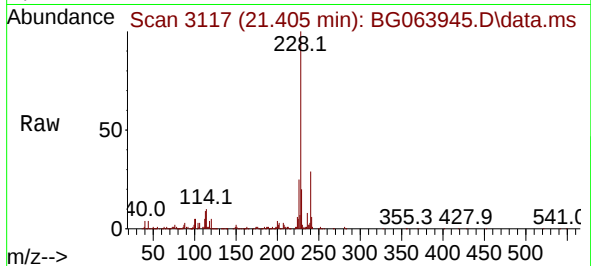




#81
Benzo(a)anthracene
Concen: 4.401 ng
RT: 21.405 min Scan# 3117
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

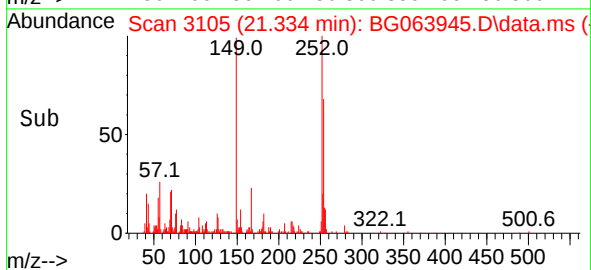
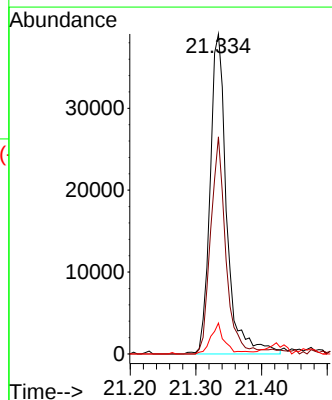
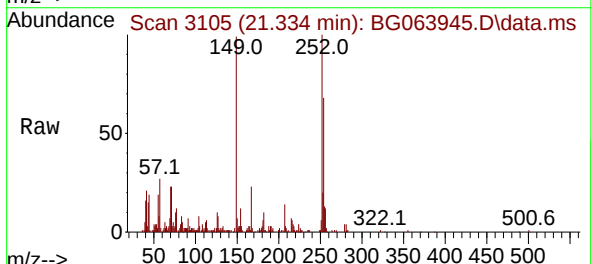
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

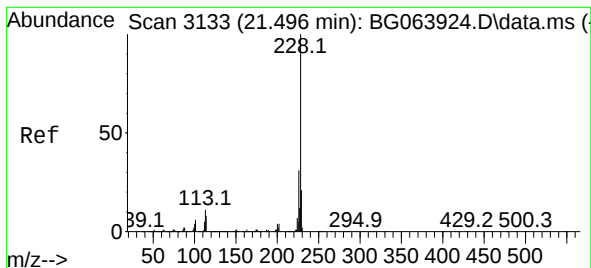
Tgt Ion:228 Resp: 270440
Ion Ratio Lower Upper
228 100
226 25.1 22.2 33.2
229 20.0 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 3.607 ng
RT: 21.334 min Scan# 3105
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:252 Resp: 68856
Ion Ratio Lower Upper
252 100
254 67.8 52.6 78.8
126 9.7 6.2 9.2#





#83

Chrysene

Concen: 4.588 ng

RT: 21.469 min Scan# 31

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

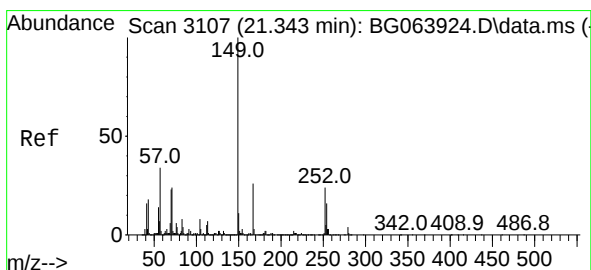
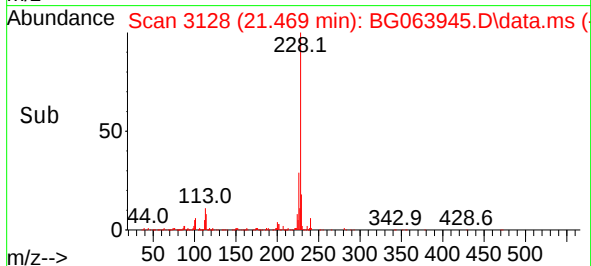
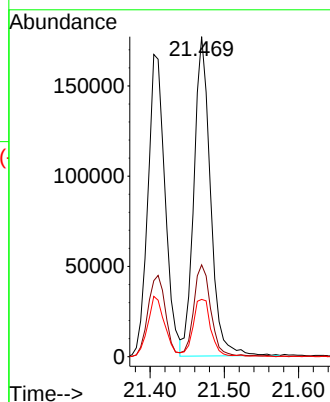
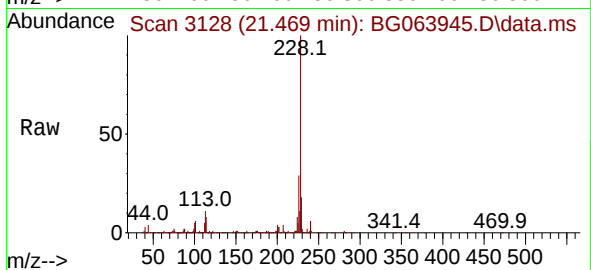
Tgt Ion:228 Resp: 273788

Ion Ratio Lower Upper

228 100

226 28.7 24.6 37.0

229 17.9 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.568 ng

RT: 21.323 min Scan# 3103

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

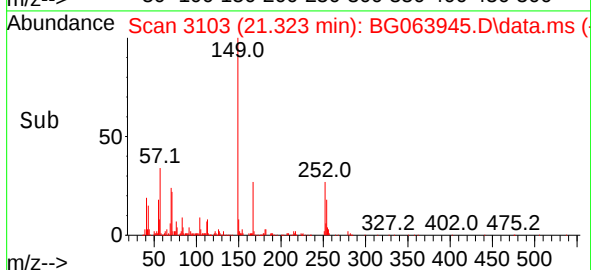
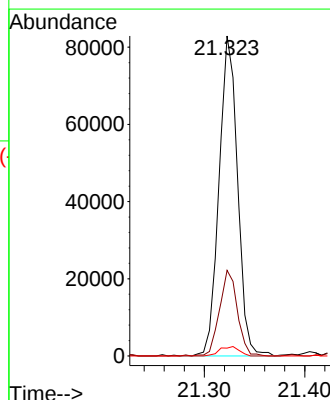
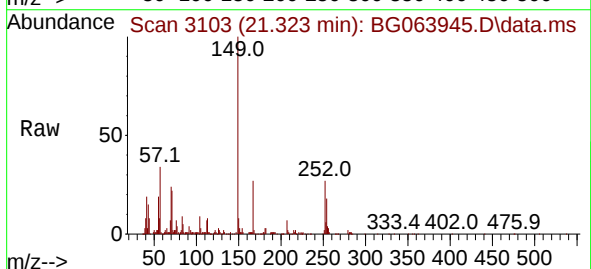
Tgt Ion:149 Resp: 106072

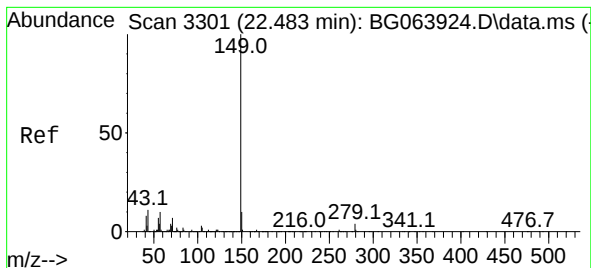
Ion Ratio Lower Upper

149 100

167 26.7 20.6 31.0

279 2.4 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 3.257 ng

RT: 22.451 min Scan# 31

Delta R.T. -0.032 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

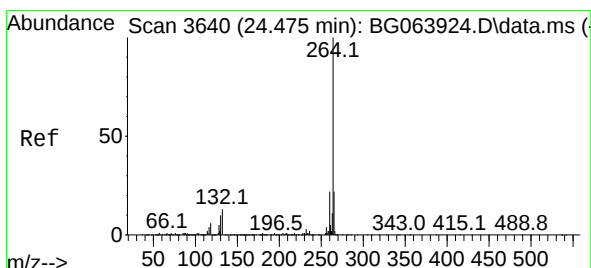
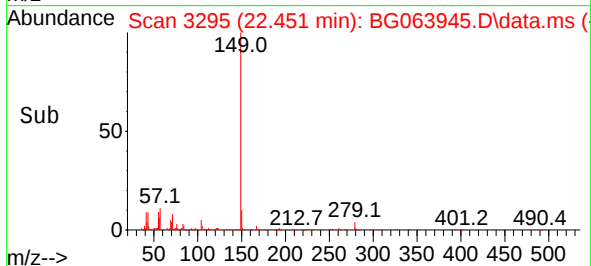
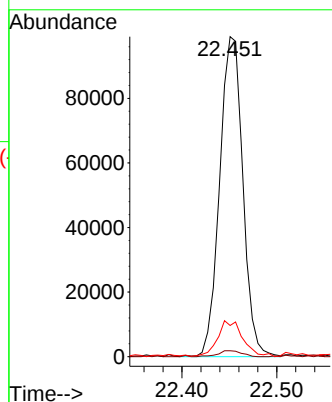
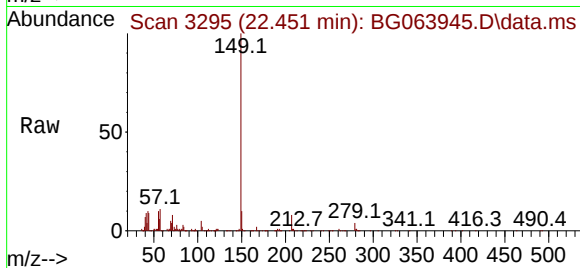
Tgt Ion:149 Resp: 168687

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9

43 12.3 8.7 13.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.431 min Scan# 3632

Delta R.T. -0.044 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

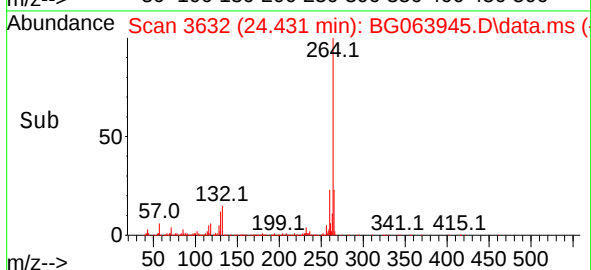
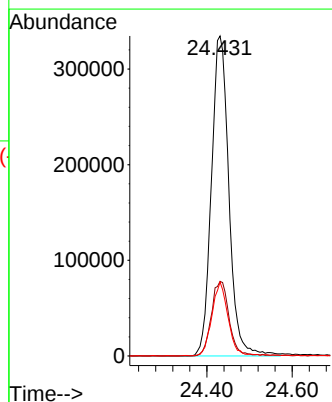
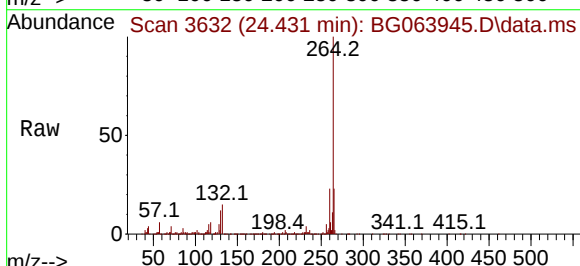
Tgt Ion:264 Resp: 954828

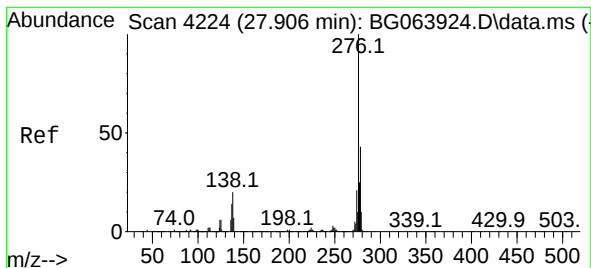
Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 23.1 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.098 ng

RT: 27.821 min Scan# 41

Delta R.T. -0.085 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

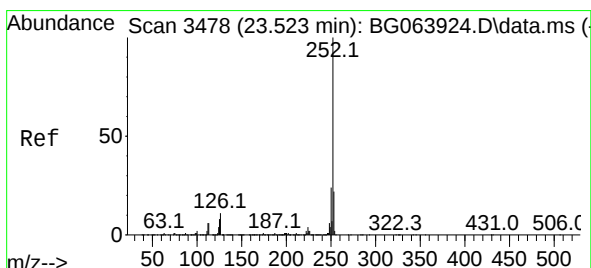
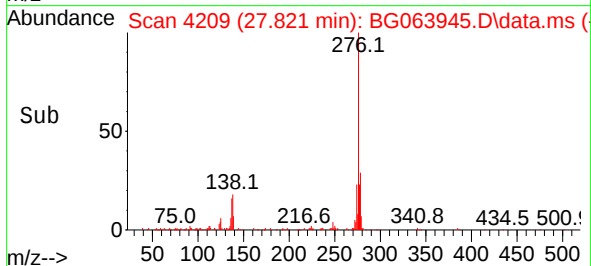
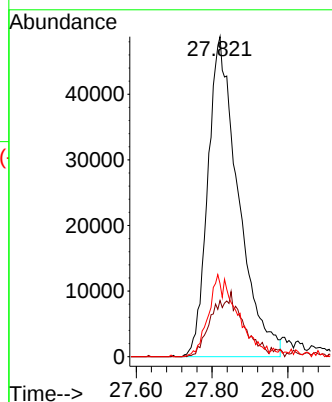
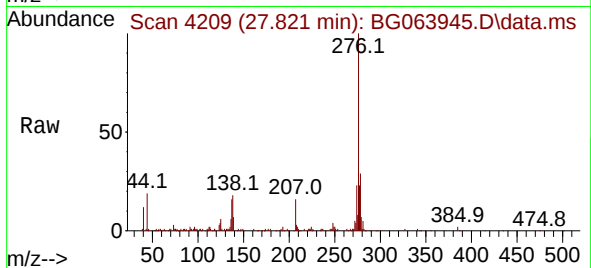
Tgt Ion:276 Resp: 271713

Ion Ratio Lower Upper

276 100

138 0.0 17.4 26.2#

277 11.5 19.6 29.4#



#88

Benzo(b)fluoranthene

Concen: 4.602 ng

RT: 23.544 min Scan# 3481

Delta R.T. 0.021 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

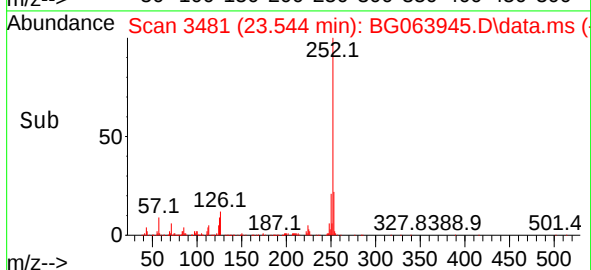
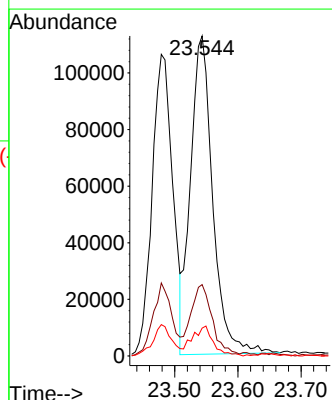
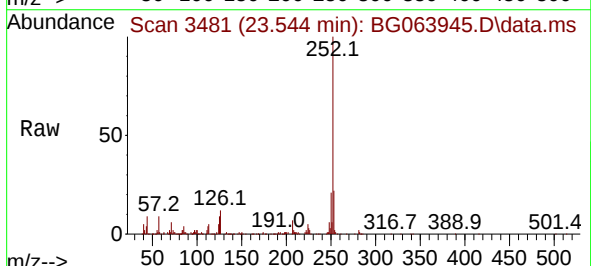
Tgt Ion:252 Resp: 274674

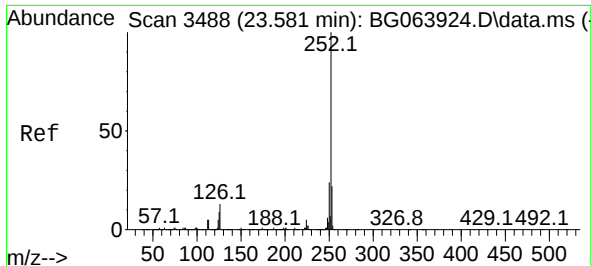
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 8.7 6.6 9.8





#89

Benzo(k)fluoranthene

Concen: 4.586 ng

RT: 23.544 min Scan# 3488

Delta R.T. -0.038 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

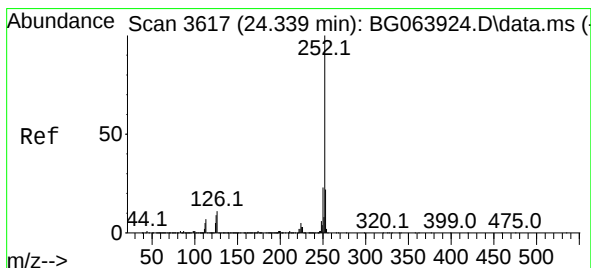
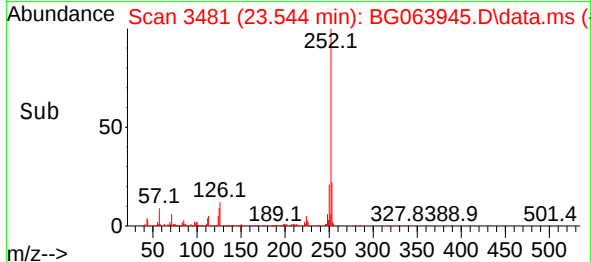
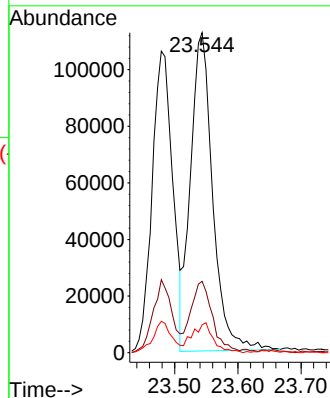
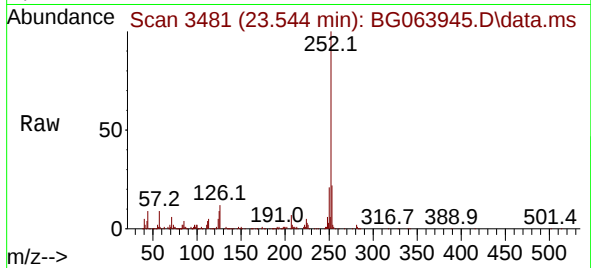
Tgt Ion:252 Resp: 274674

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 8.7 7.2 10.8



#90

Benzo(a)pyrene

Concen: 4.376 ng

RT: 24.290 min Scan# 3608

Delta R.T. -0.050 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

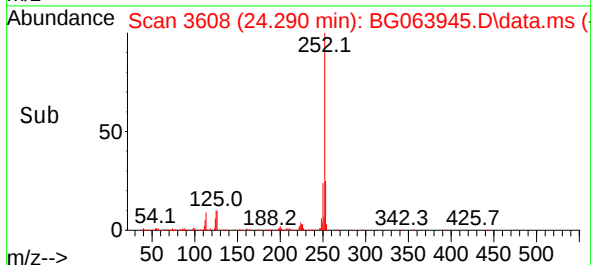
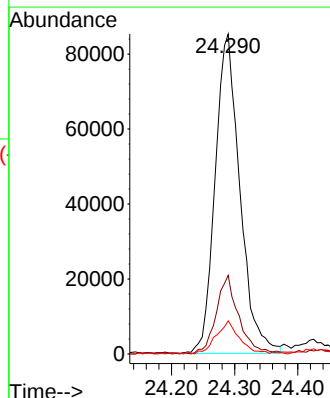
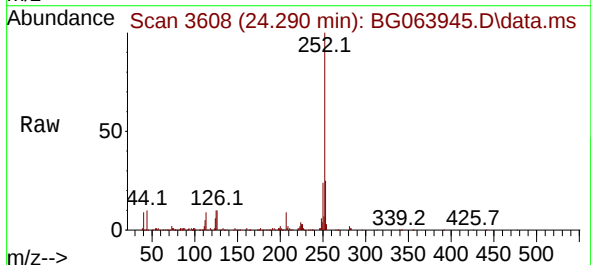
Tgt Ion:252 Resp: 231978

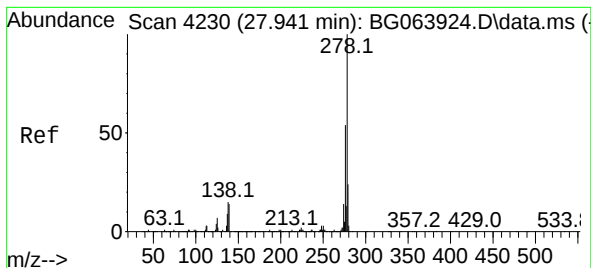
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 10.4 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 3.971 ng

RT: 27.868 min Scan# 41

Delta R.T. -0.073 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

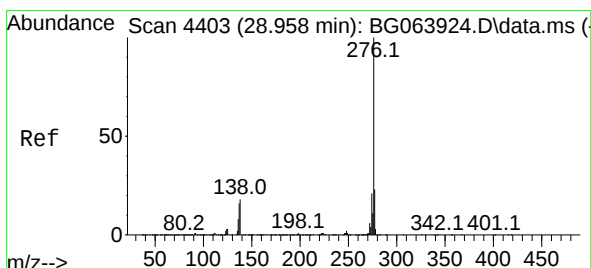
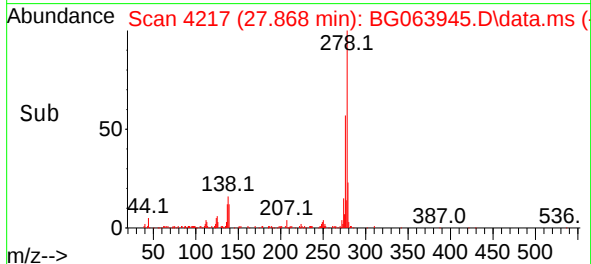
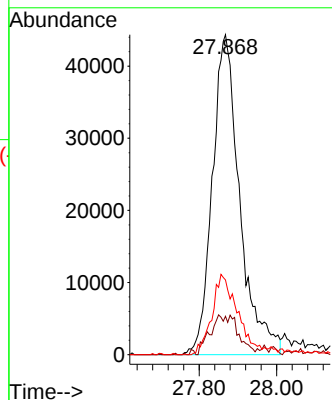
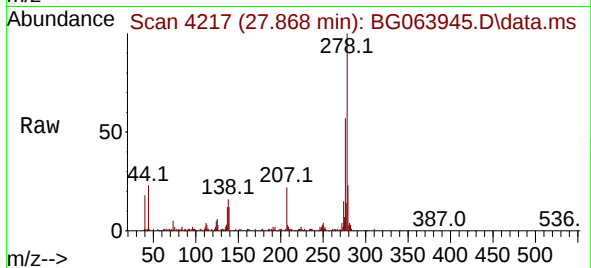
Tgt Ion:278 Resp: 217925

Ion Ratio Lower Upper

278 100

139 12.0 11.1 16.7

279 23.3 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 3.788 ng

RT: 28.878 min Scan# 4389

Delta R.T. -0.079 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Tgt Ion:276 Resp: 213828

Ion Ratio Lower Upper

276 100

277 21.1 18.7 28.1

138 20.8 14.4 21.6

