

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	45713m	3.796	ng	
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	13920m	2.359	ng	
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	10.006	122	6717m	1.702	ng	
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	11566m	3.973	ng	
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
43) 2,4,6-Trichlorophenol	12.850	196	27305	3.605	ng	92
44) 2,4,5-Trichlorophenol	12.938	196	33935	3.992	ng	86

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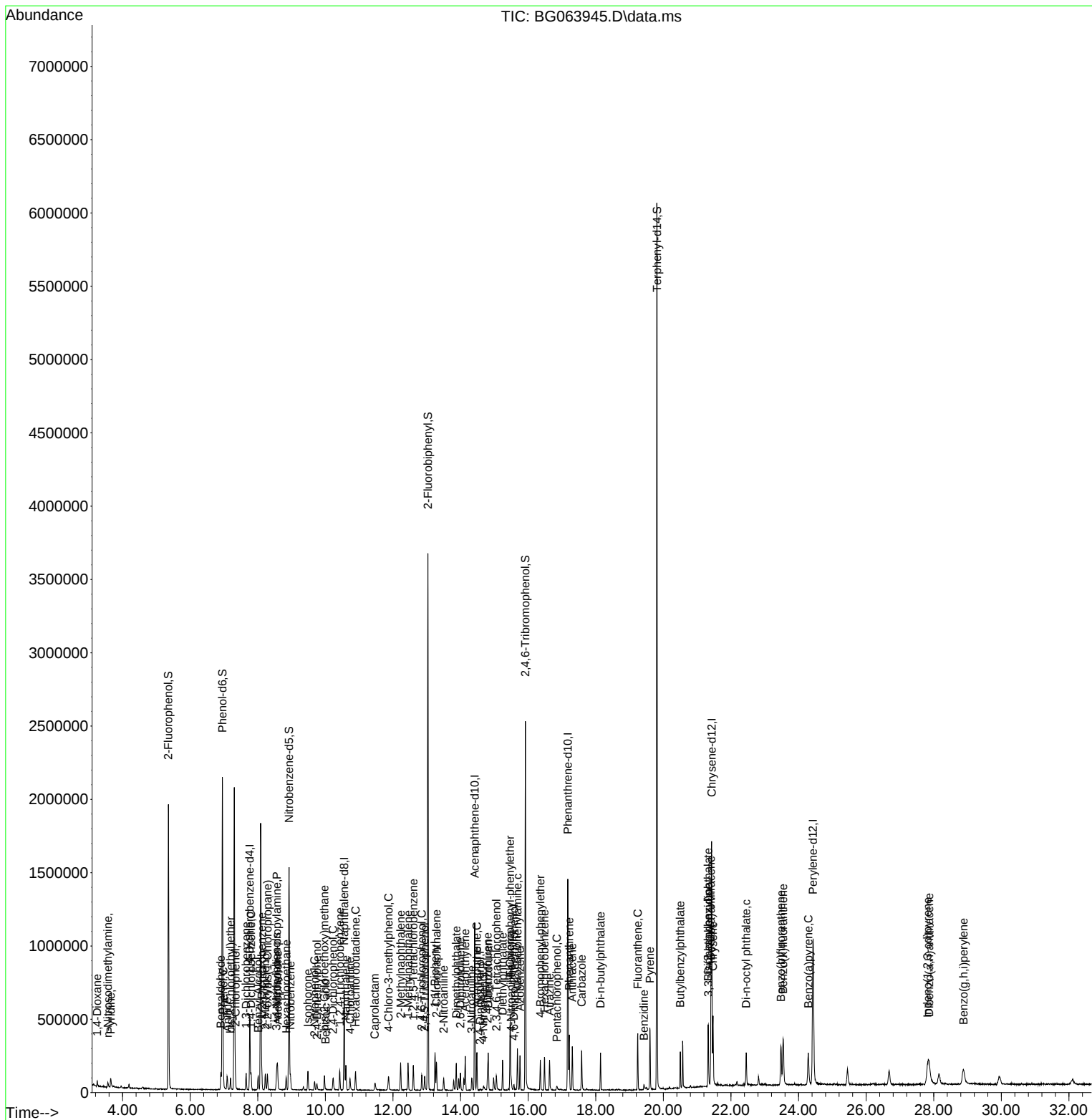
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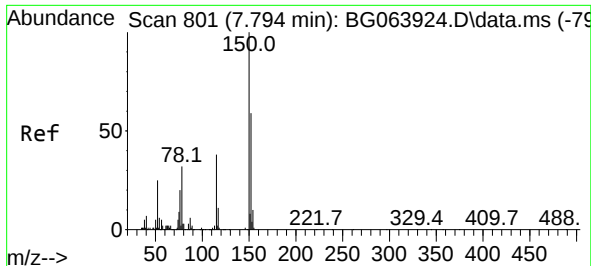
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.244	154	128830	4.605	ng	96
47) 2-Chloronaphthalene	13.285	162	98448	4.280	ng	96
48) 2-Nitroaniline	13.502	65	26549m	3.450	ng	
49) Acenaphthylene	14.137	152	157187	4.612	ng	99
50) 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	3106m	8.820	ng	
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	29902m	3.986	ng	
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	21704m	3.649	ng	
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	10349m	2.135	ng	
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	23.479	252	241464m	4.045	ng	
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	228244m	4.043	ng	

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

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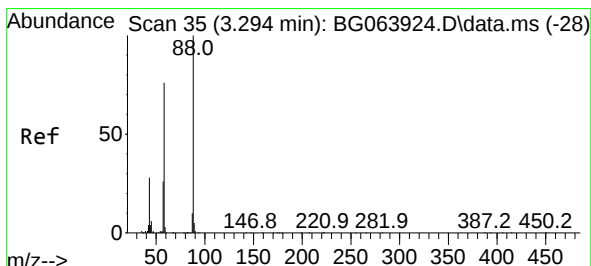
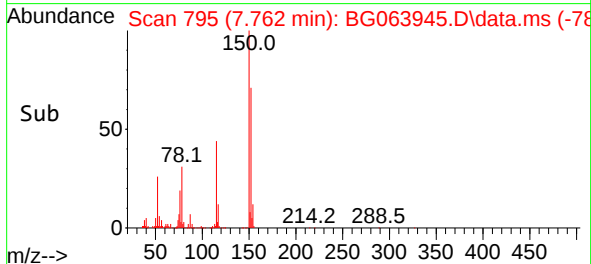
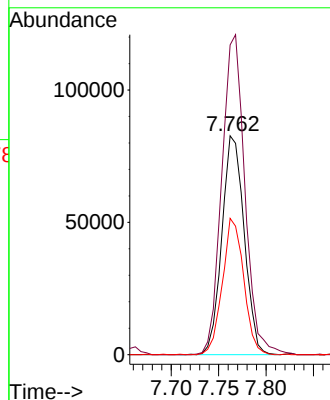
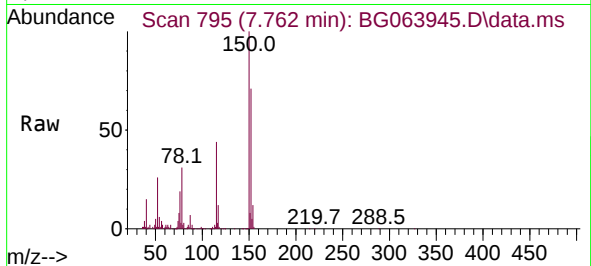




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.762 min Scan# 79
 Delta R.T. -0.032 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

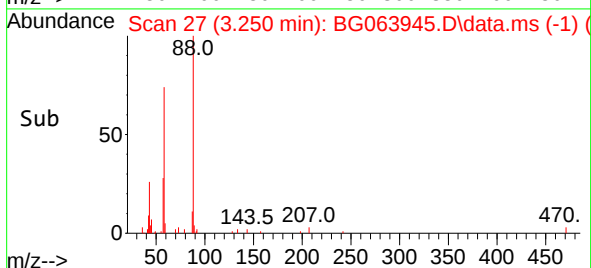
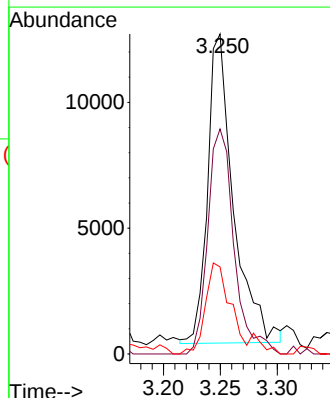
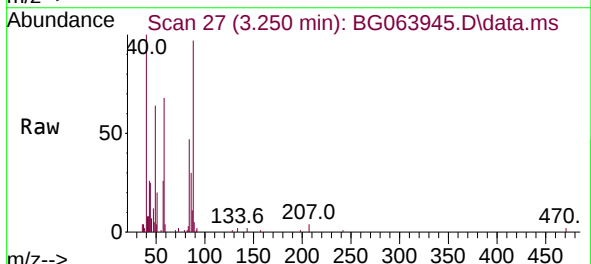
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

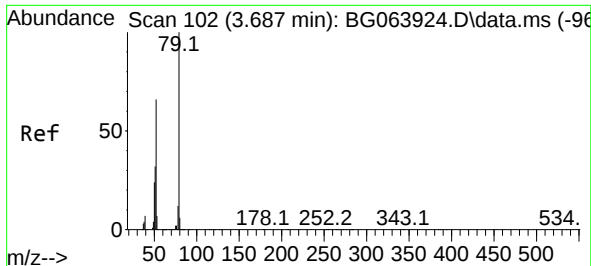
Tgt Ion:152 Resp: 135466
 Ion Ratio Lower Upper
 152 100
 150 141.5 135.5 203.3
 115 62.2 51.8 77.8



#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: 3.796 ng m

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

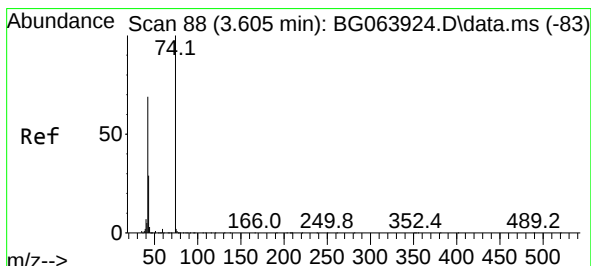
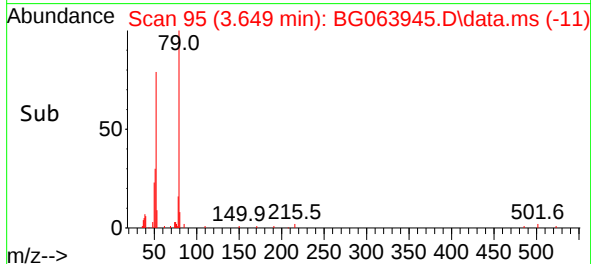
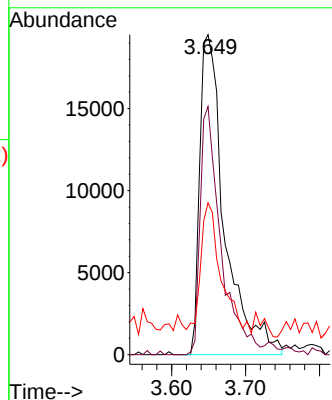
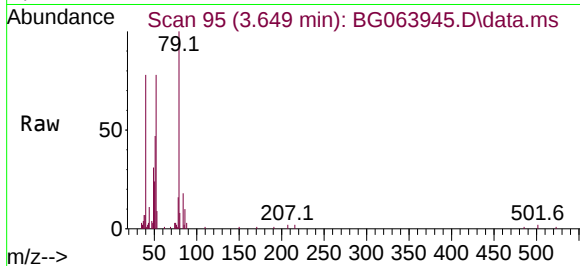
Tgt Ion: 79 Resp: 45713

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

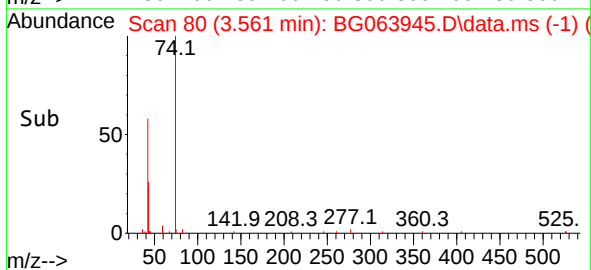
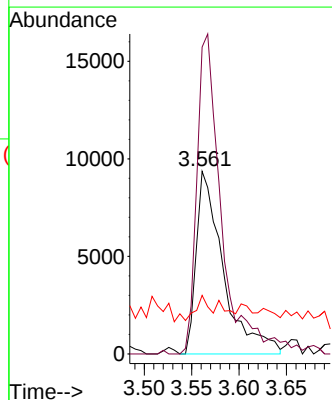
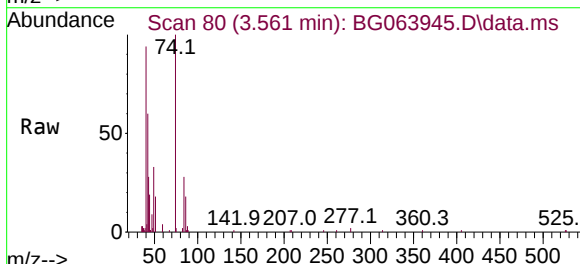
Tgt Ion: 42 Resp: 18616

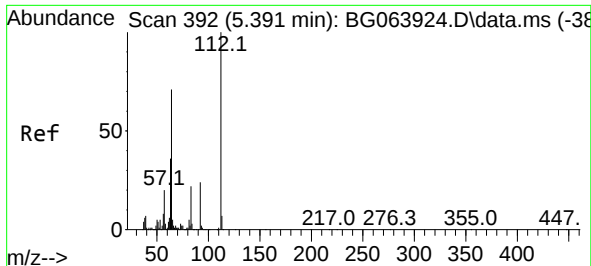
Ion Ratio Lower Upper

42 100

74 168.1 116.6 175.0

44 32.1 10.4 15.6#

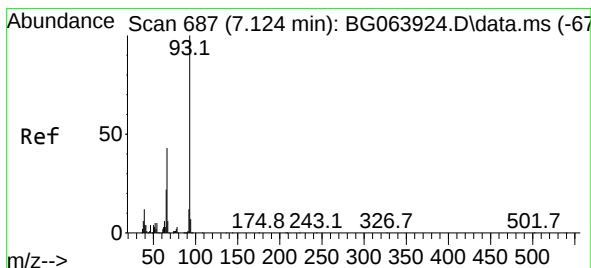
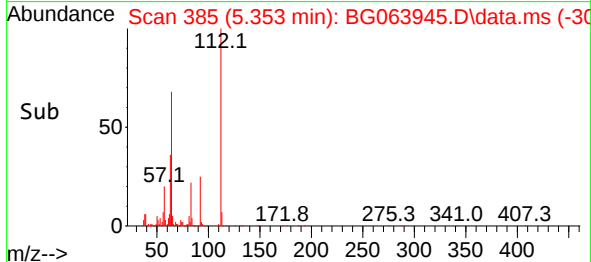
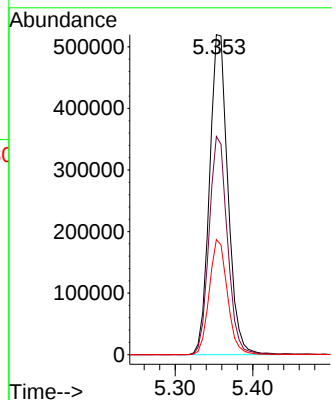
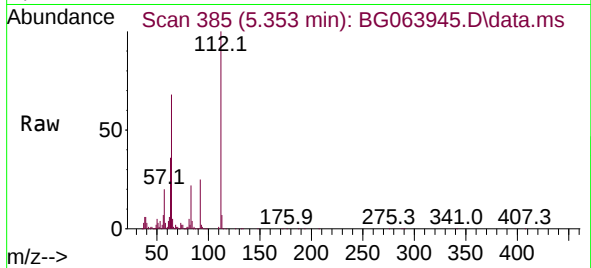




#5
2-Fluorophenol
Concen: 100.681 ng
RT: 5.353 min Scan# 31
Delta R.T. -0.038 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

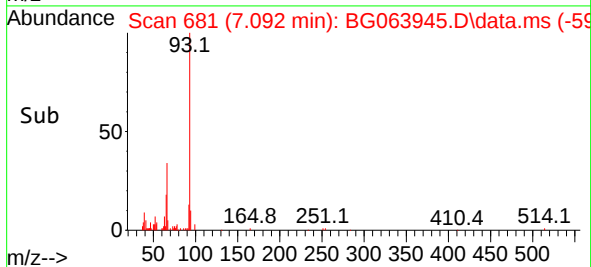
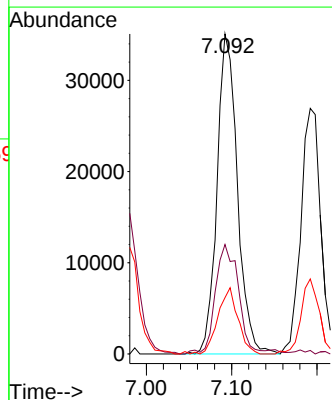
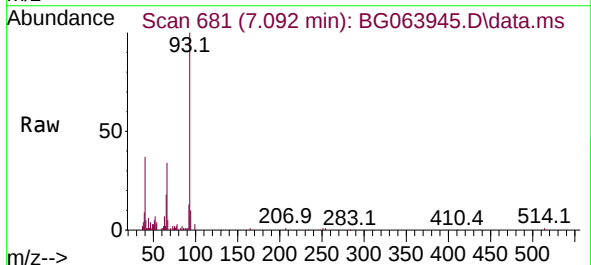
Instrument :
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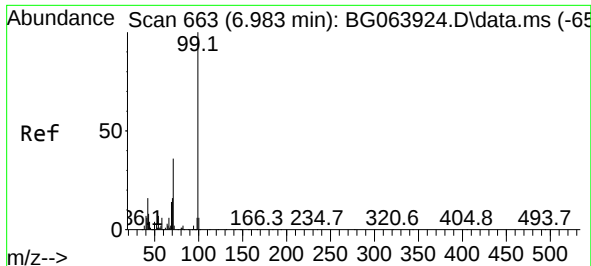
Tgt Ion:112 Resp: 856024
Ion Ratio Lower Upper
112 100
64 68.2 56.6 85.0
63 35.9 29.2 43.8



#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#

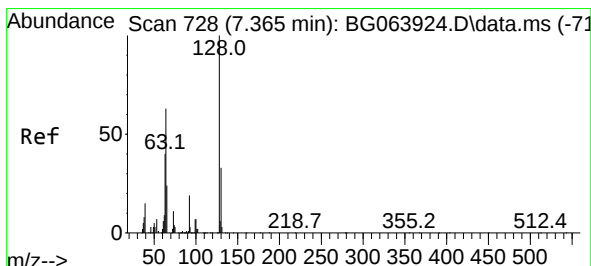
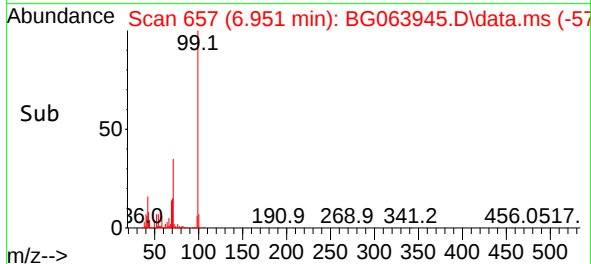
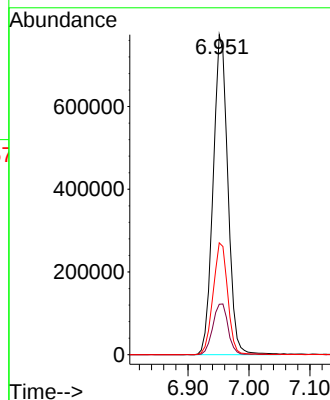
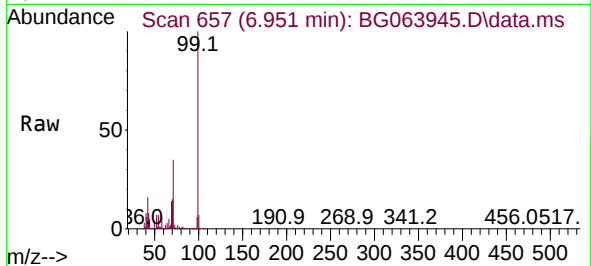




#7
Phenol-d6
Concen: 105.720 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

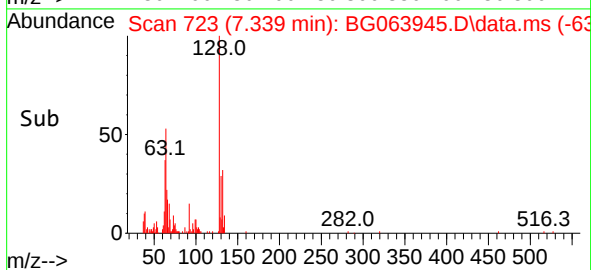
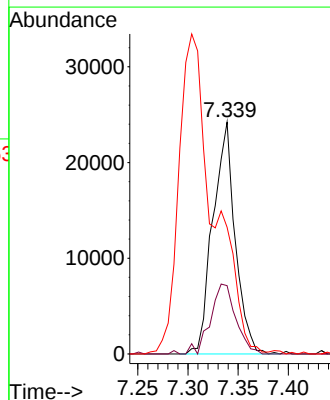
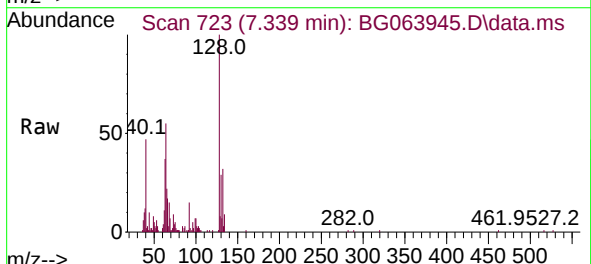
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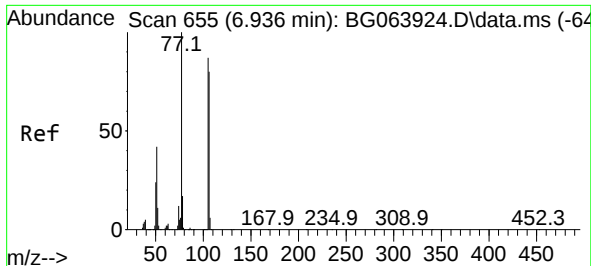
Tgt Ion: 99 Resp: 1300372
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.6
71 35.0 28.5 42.7



#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

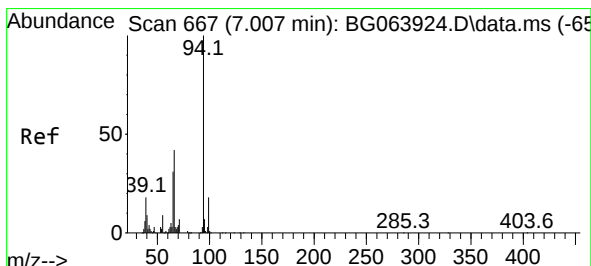
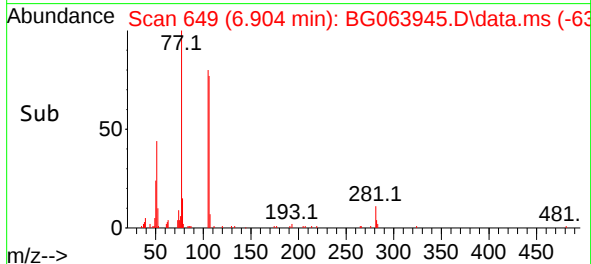
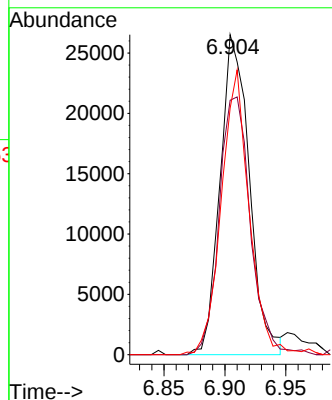
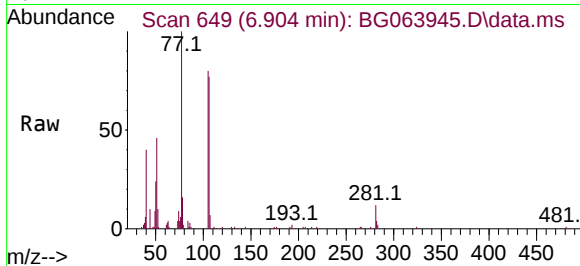




#9
Benzaldehyde
Concen: 5.630 ng
RT: 6.904 min Scan# 649
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

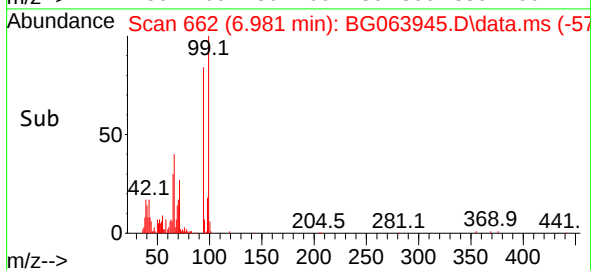
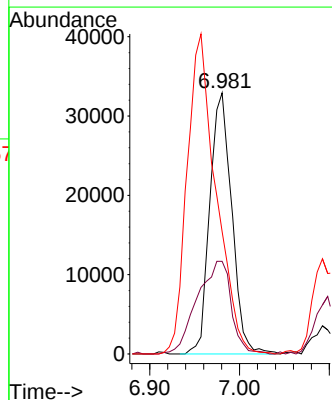
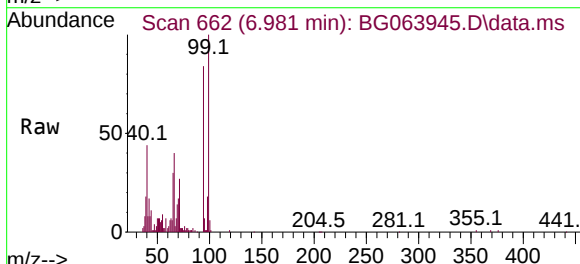
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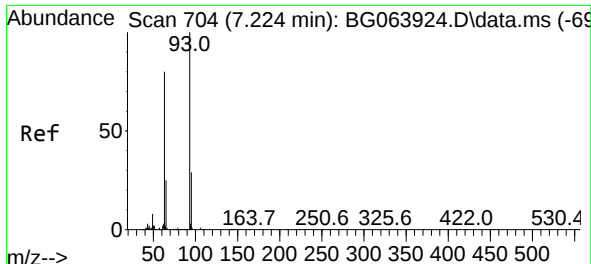
Tgt Ion: 77 Resp: 44218
Ion Ratio Lower Upper
77 100
105 79.5 66.5 106.5
106 77.0 60.1 100.1



#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

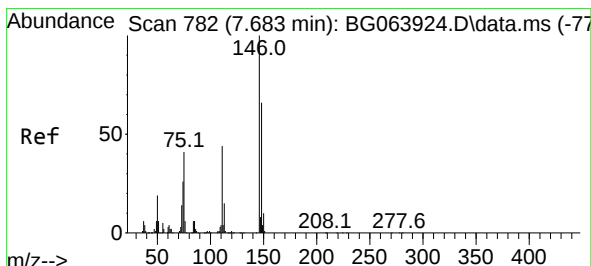
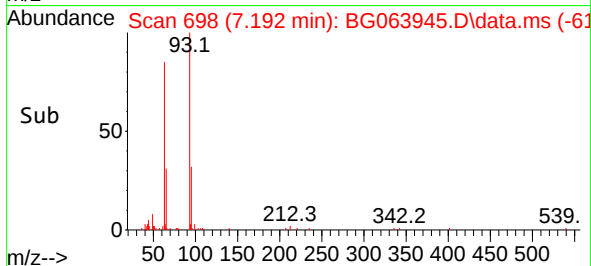
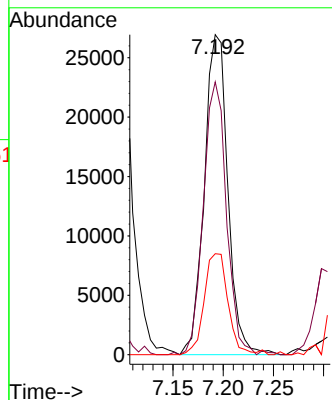
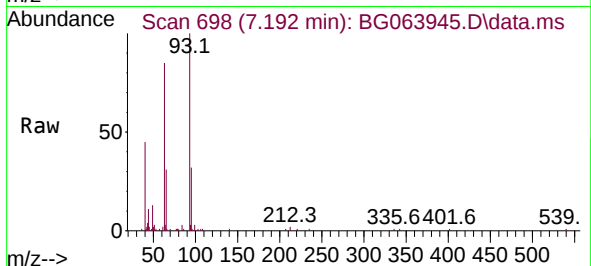




#11
bis(2-Chloroethyl)ether
Concen: 4.391 ng
RT: 7.192 min Scan# 611
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

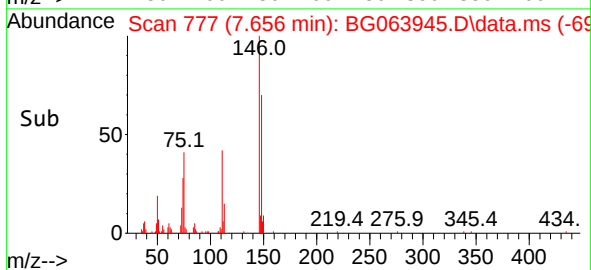
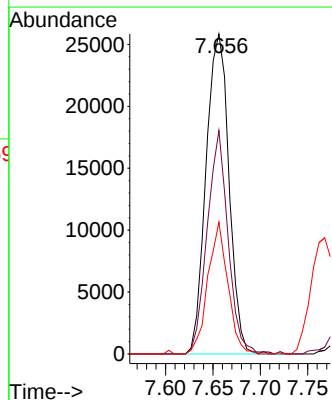
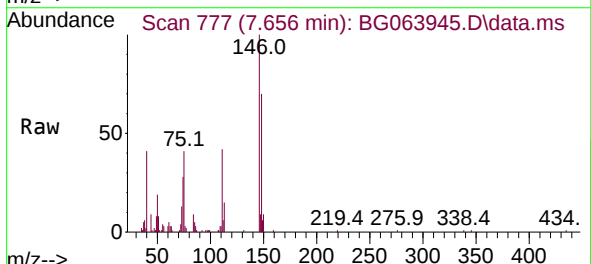
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

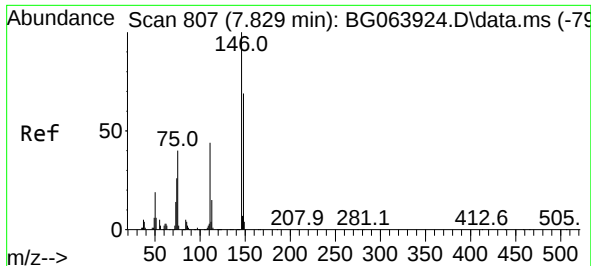
Tgt Ion	Ratio	Lower	Upper
93	100		
63	85.2	59.6	99.6
95	31.6	9.3	49.3



#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	Ratio	Lower	Upper
146	100		
148	69.8	52.6	78.8
75	41.2	32.6	48.8

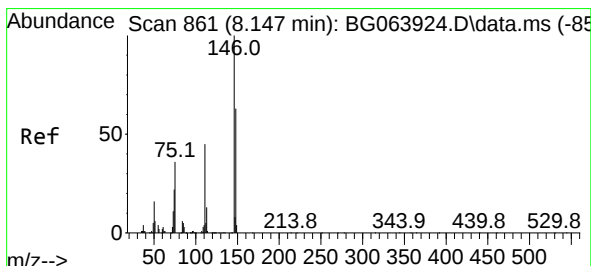
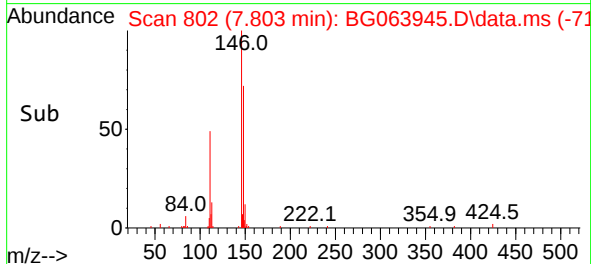
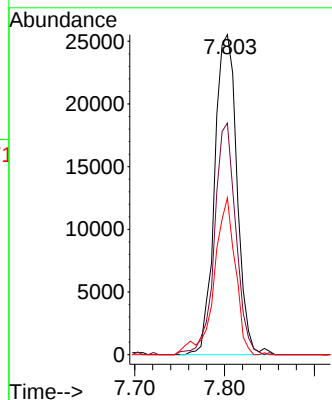
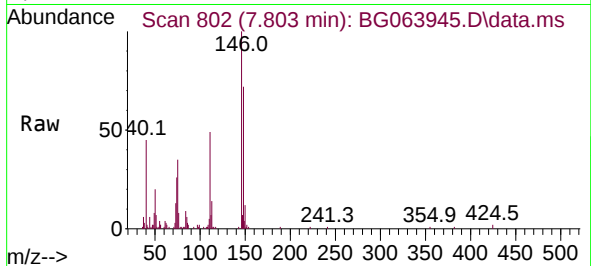




#13
1,4-Dichlorobenzene
Concen: 4.425 ng
RT: 7.803 min Scan# 807
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

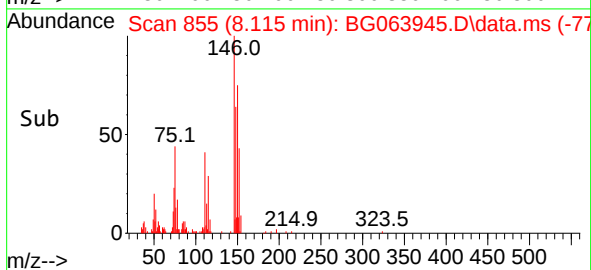
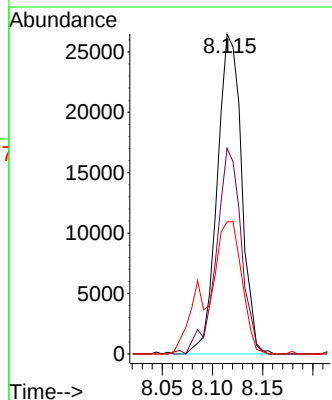
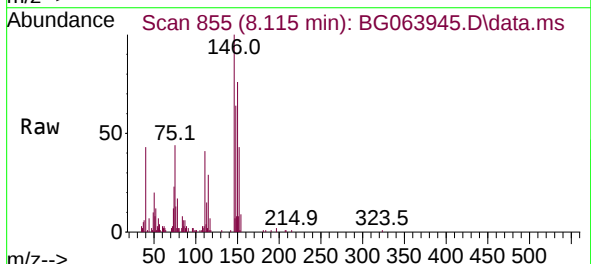
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

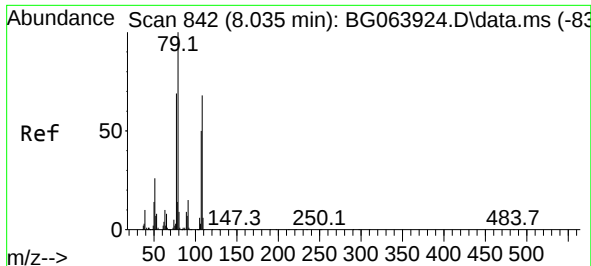
Tgt Ion:146 Resp: 44066
Ion Ratio Lower Upper
146 100
148 72.4 55.4 83.0
111 49.0 35.8 53.8



#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

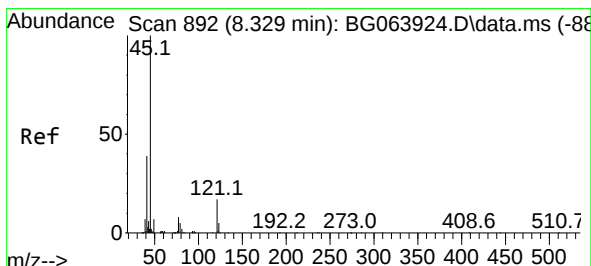
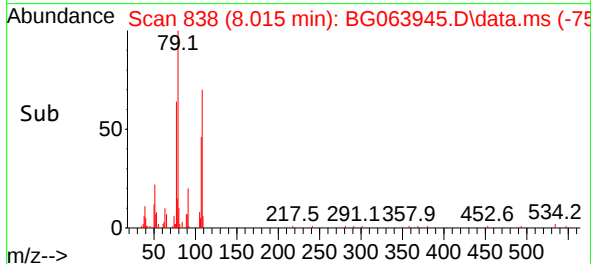
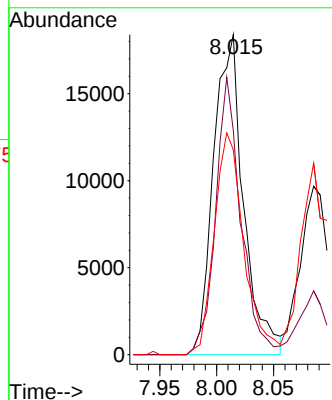
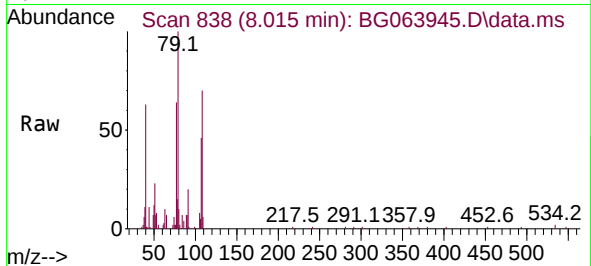




#15
Benzyl Alcohol
Concen: 3.816 ng
RT: 8.015 min Scan# 81
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

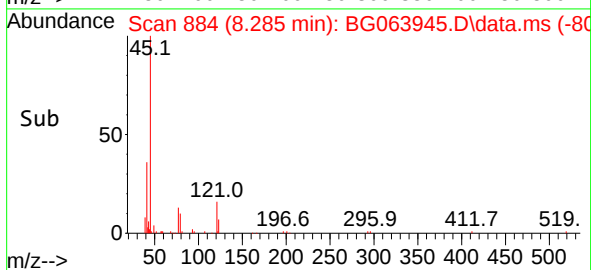
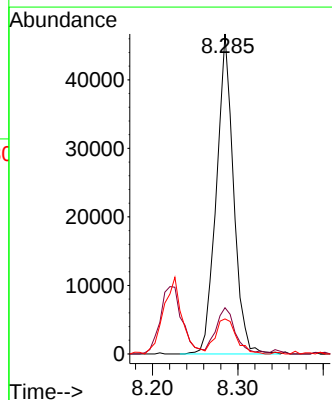
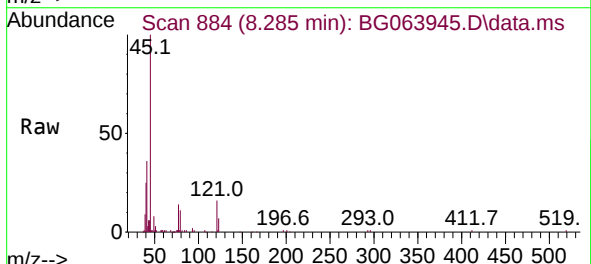
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

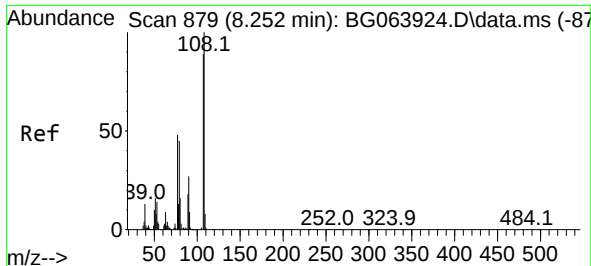
Tgt Ion: 79 Resp: 33682
Ion Ratio Lower Upper
79 100
108 70.1 54.6 81.8
77 64.0 55.6 83.4



#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

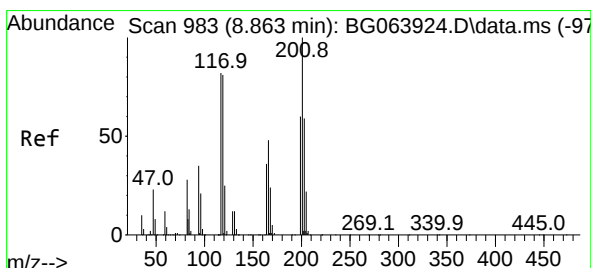
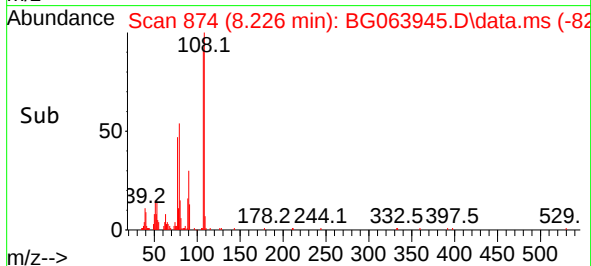
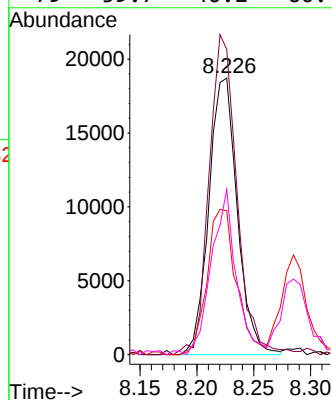
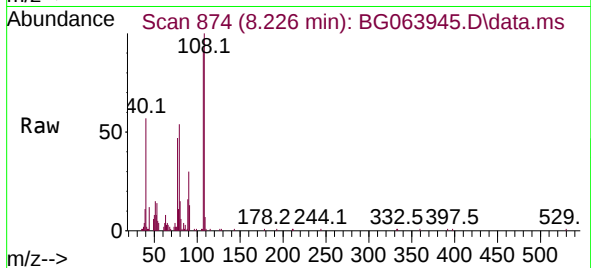
Ion Ratio Lower Upper

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

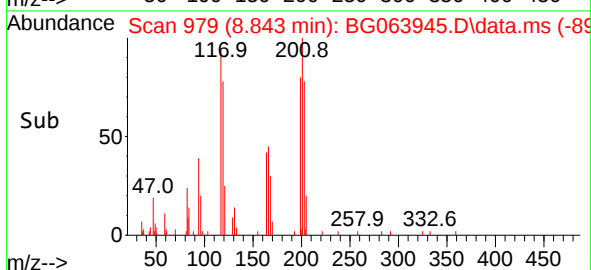
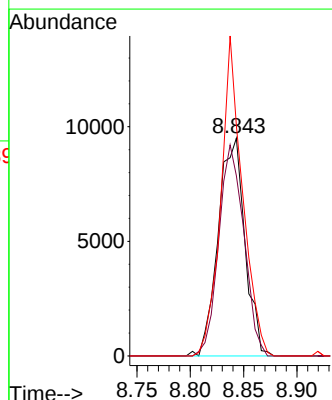
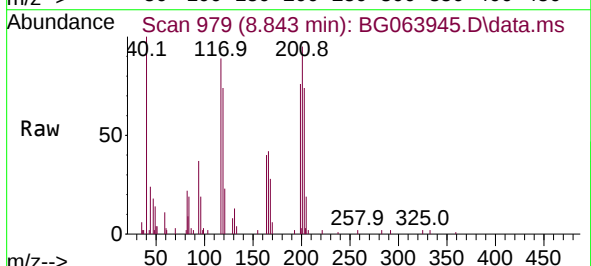
Tgt Ion:117 Resp: 16539

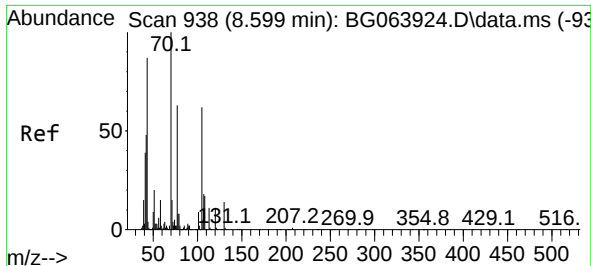
Ion Ratio Lower Upper

117 100

119 82.8 79.7 119.5

201 105.9 97.8 146.8

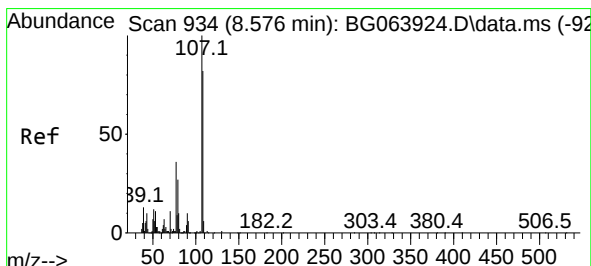
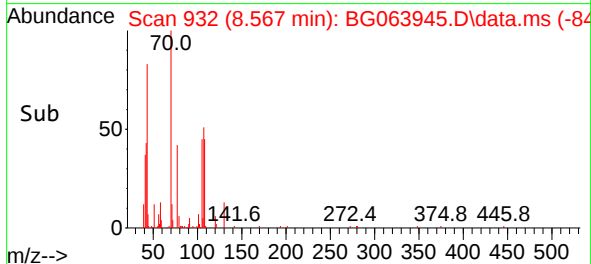
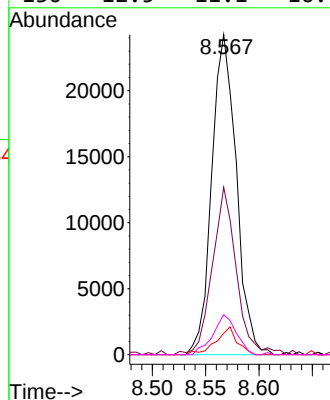
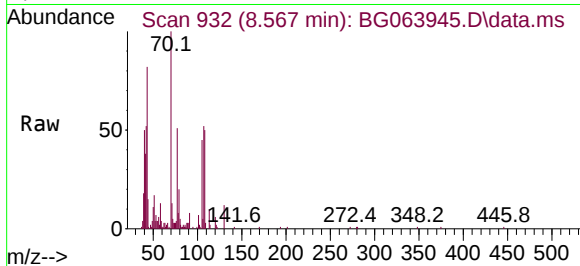




#19
n-Nitroso-di-n-propylamine
Concen: 4.319 ng
RT: 8.567 min Scan# 91
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

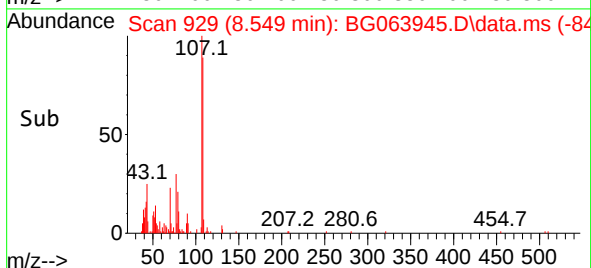
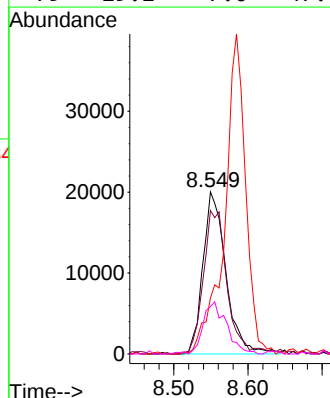
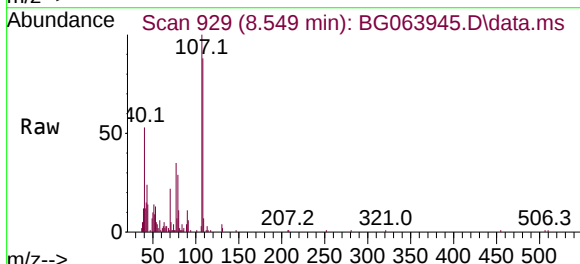
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

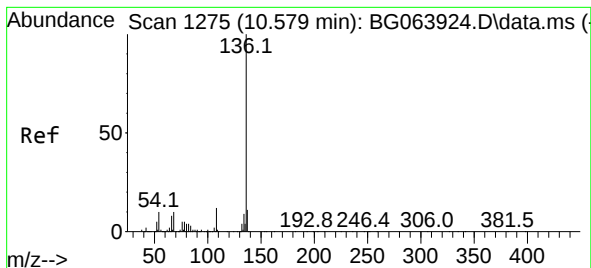
Tgt Ion:	70	Resp:	38796
Ion	Ratio	Lower	Upper
70	100		
42	52.3	39.0	58.4
101	6.7	7.0	10.4
130	12.5	11.1	16.7



#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

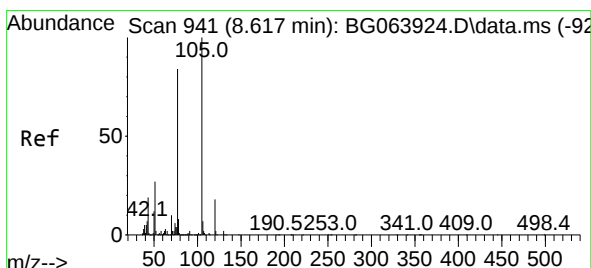
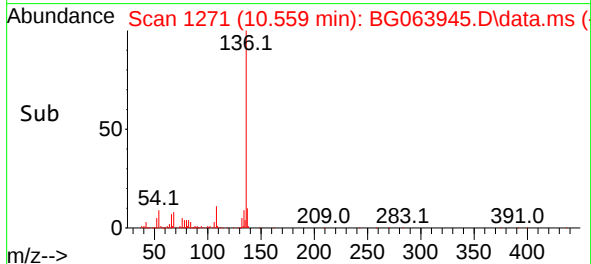
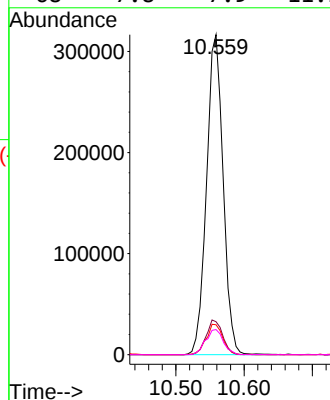
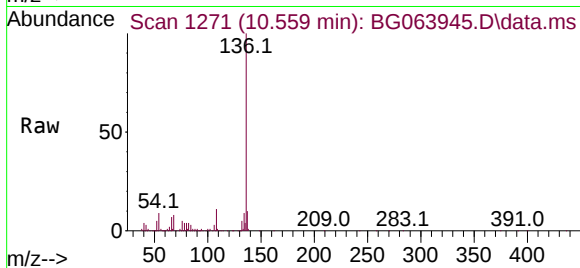




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.559 min Scan# 11
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

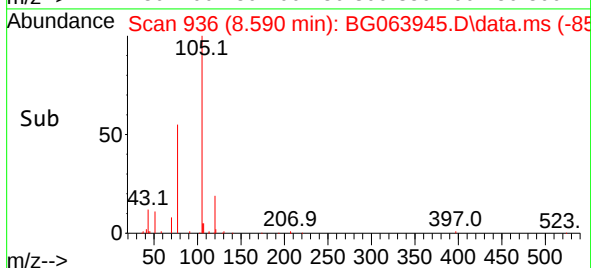
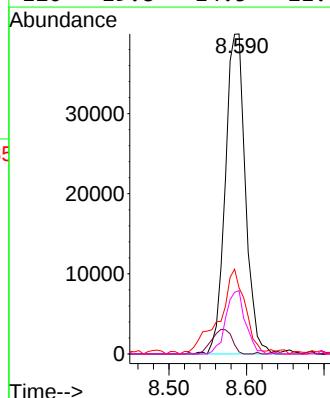
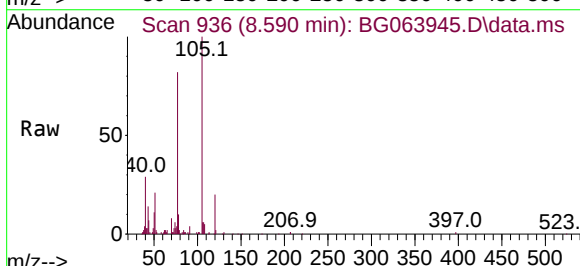
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

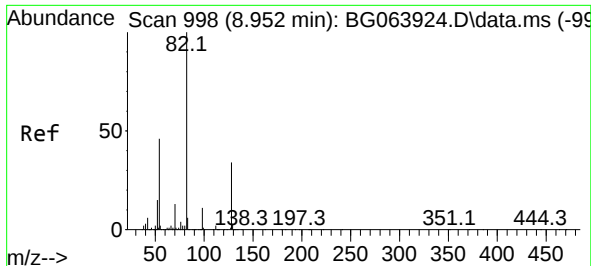
Tgt Ion:	136	Resp:	534991
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.0	13.6
54	9.4	8.0	12.0
68	7.8	7.9	11.9



#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

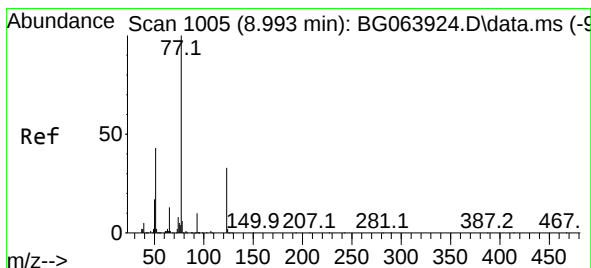
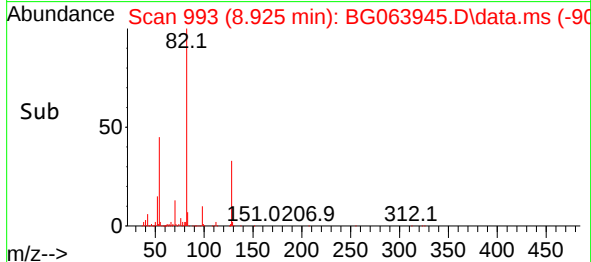
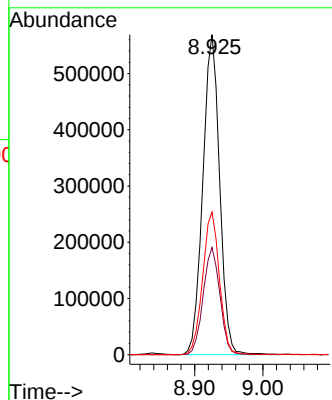
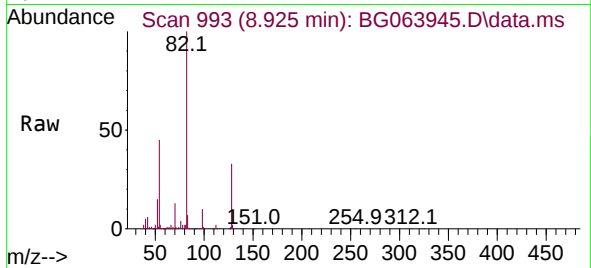




#23
Nitrobenzene-d5
Concen: 71.913 ng
RT: 8.925 min Scan# 91
Delta R.T. -0.027 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

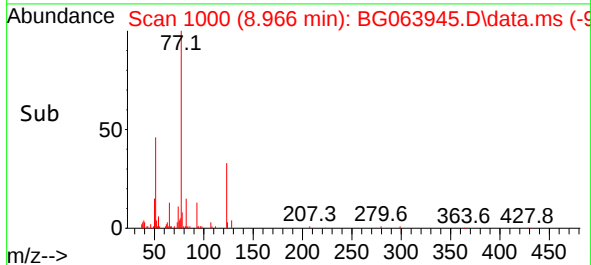
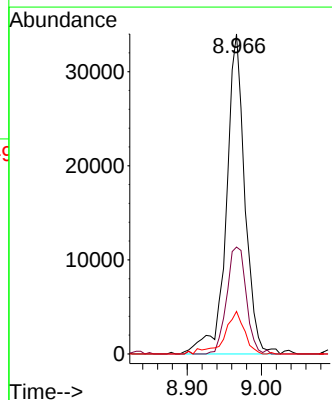
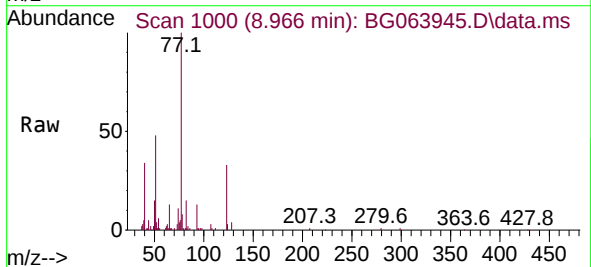
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

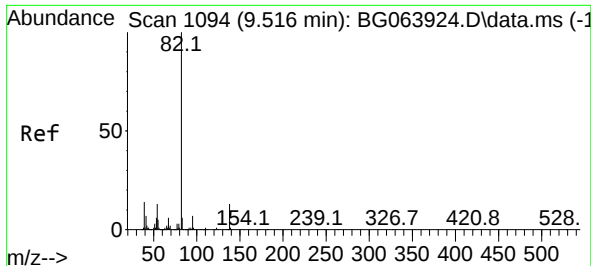
Tgt Ion: 82 Resp: 976681
Ion Ratio Lower Upper
82 100
128 33.5 26.9 40.3
54 44.6 36.7 55.1



#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

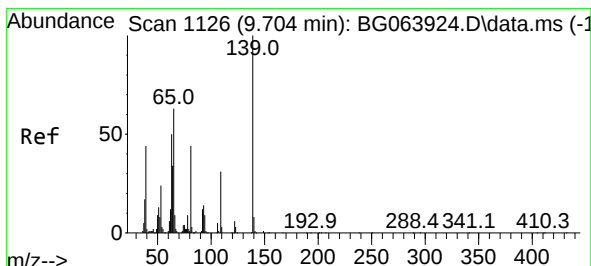
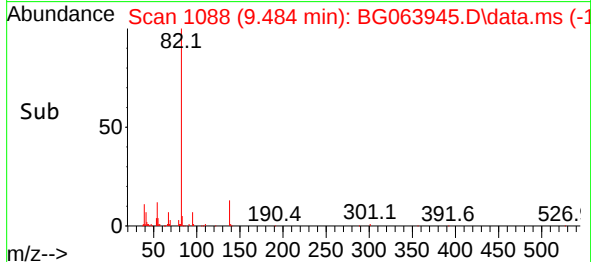
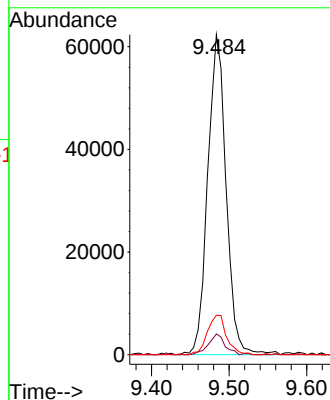
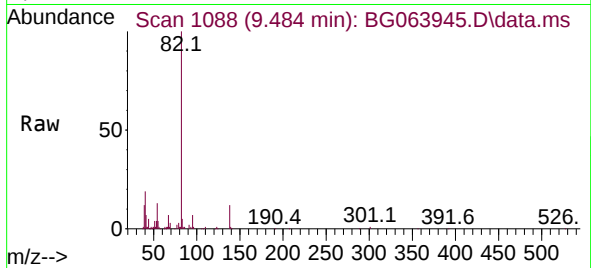




#25
Isophorone
Concen: 4.297 ng
RT: 9.484 min Scan# 1094
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

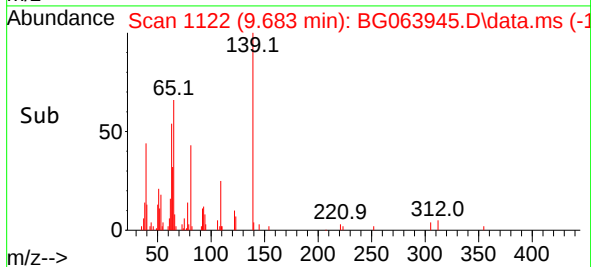
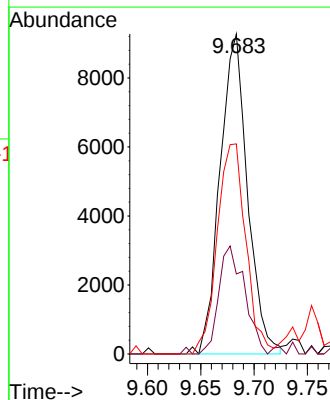
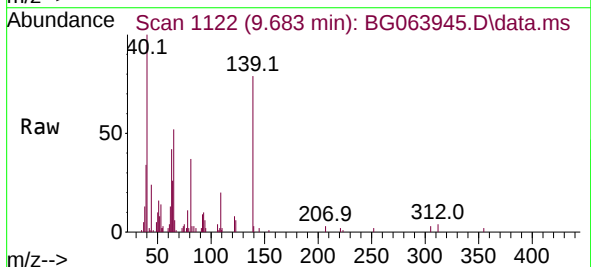
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2024

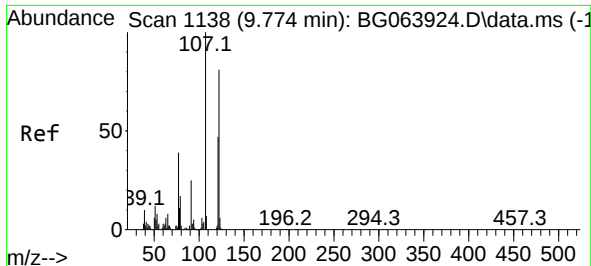
Tgt Ion: 82 Resp: 102844
Ion Ratio Lower Upper
82 100
95 6.5 5.2 7.8
138 12.3 10.6 16.0



#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: 2.359 ng m

RT: 9.748 min Scan# 1138

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

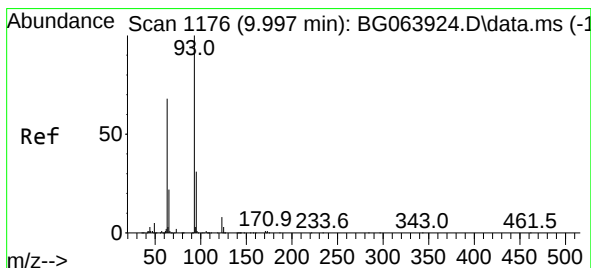
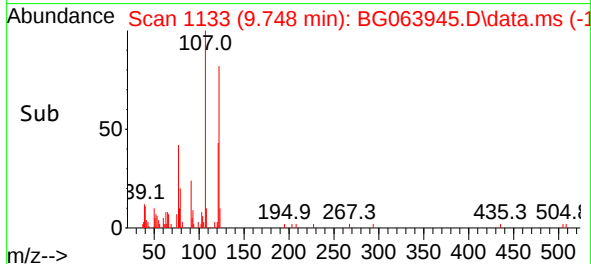
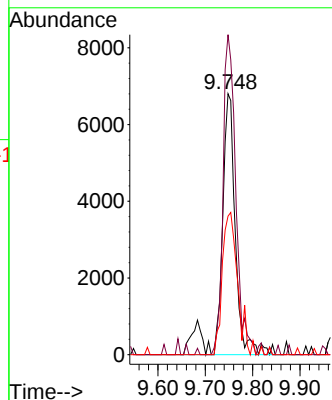
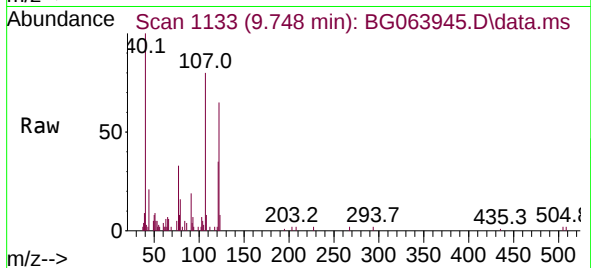
Tgt Ion:122 Resp: 13920

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

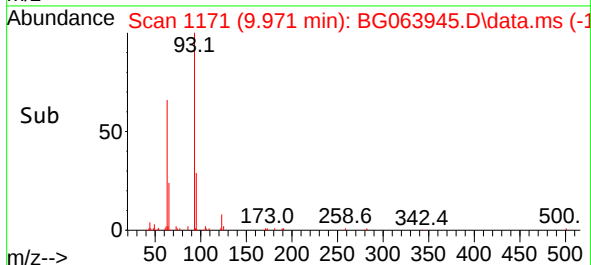
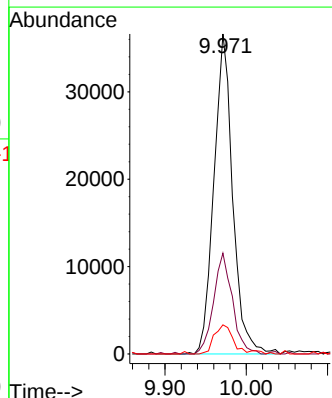
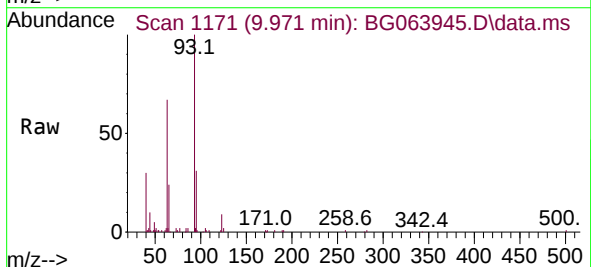
Tgt Ion: 93 Resp: 58818

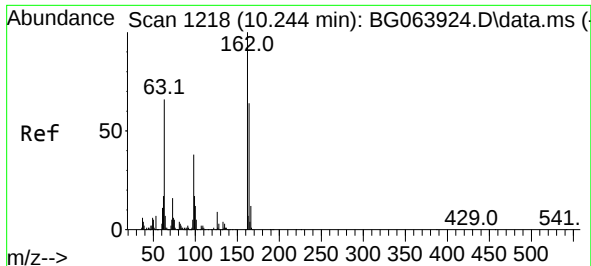
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

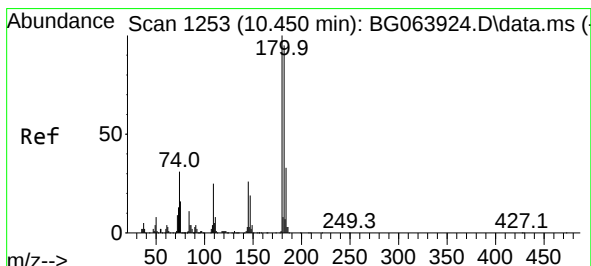
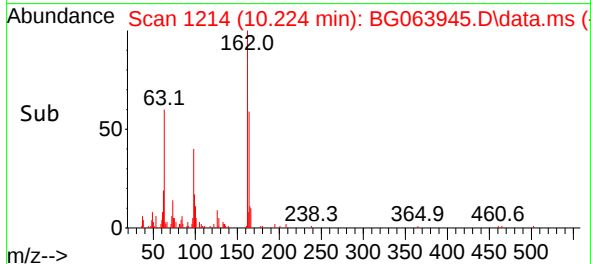
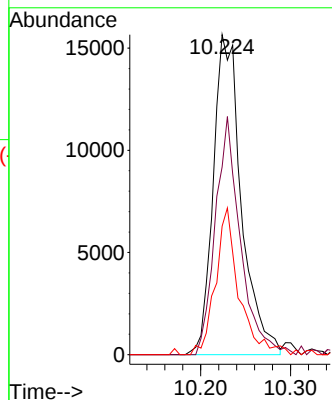
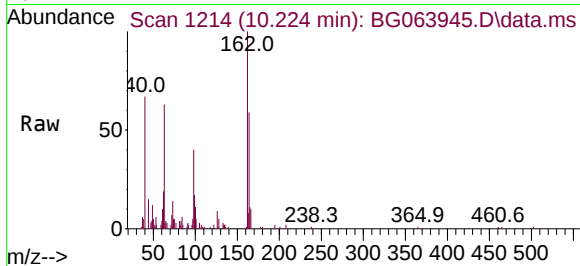
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion: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

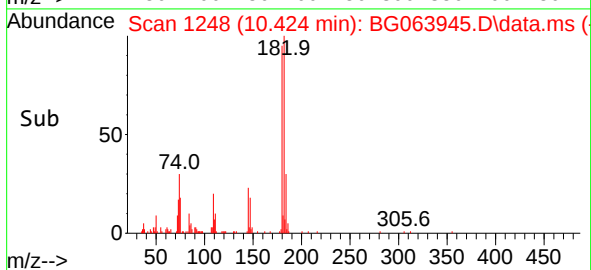
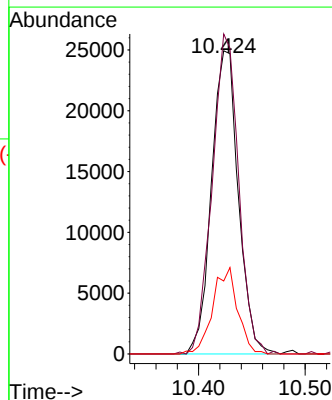
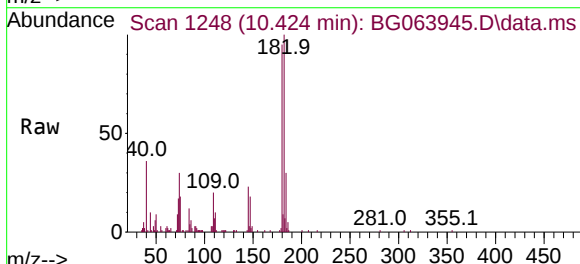
RT: 10.424 min Scan# 1248

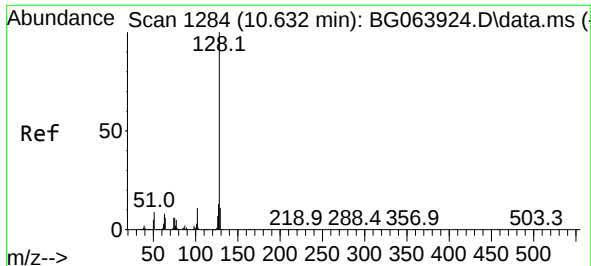
Delta R.T. -0.026 min

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

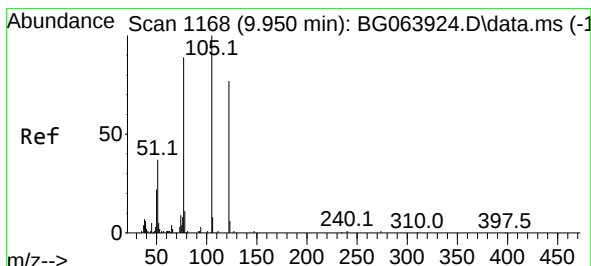
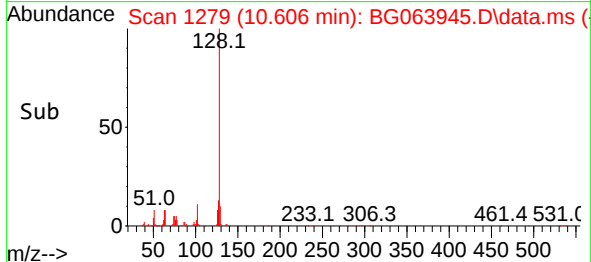
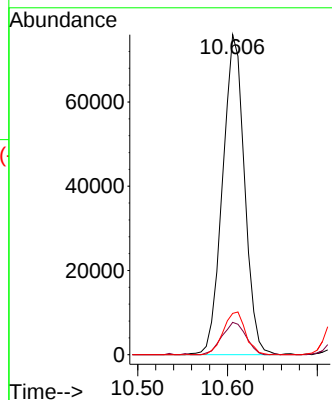
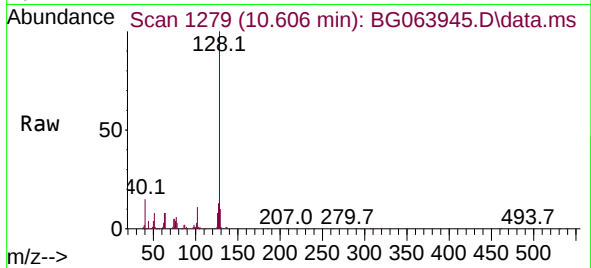




#31
Naphthalene
Concen: 4.432 ng
RT: 10.606 min Scan# 1177
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

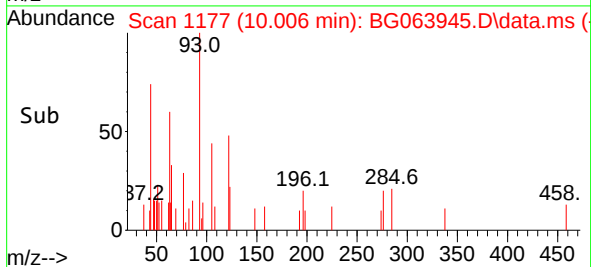
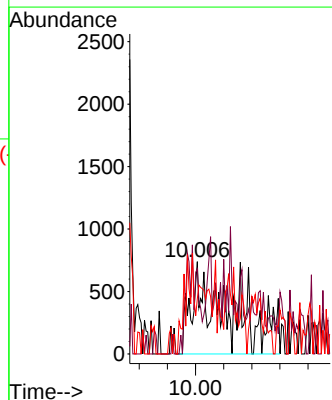
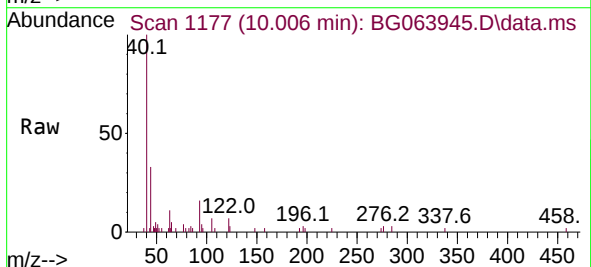
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2024

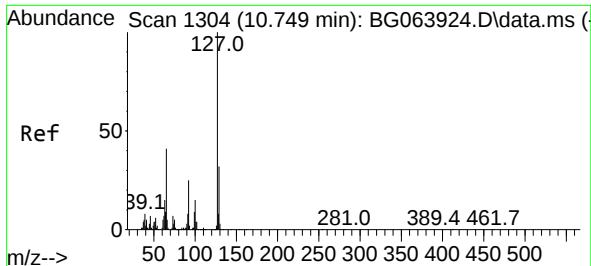
Tgt Ion:128 Resp: 128543
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.6
127 12.9 10.2 15.4



#32
Benzoic acid
Concen: 1.702 ng m
RT: 10.006 min Scan# 1177
Delta R.T. 0.056 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt Ion:122 Resp: 6717
Ion Ratio Lower Upper
122 100
105 92.3 109.7 149.7#
77 59.8 96.0 136.0#

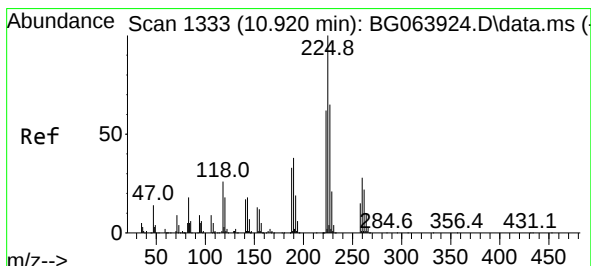
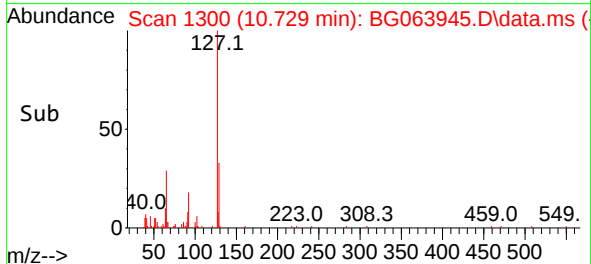
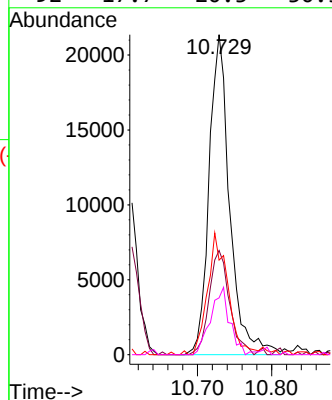
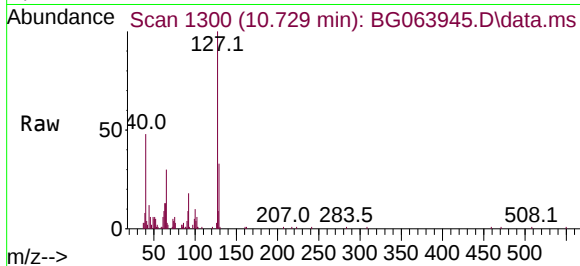




#33
4-Chloroaniline
Concen: 4.376 ng
RT: 10.729 min Scan# 11
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

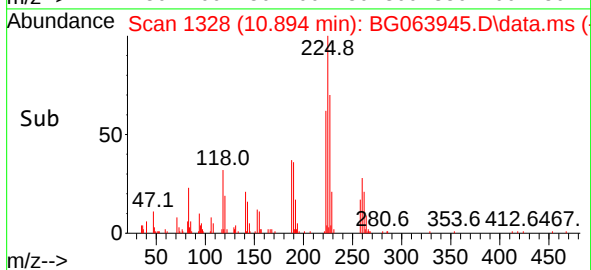
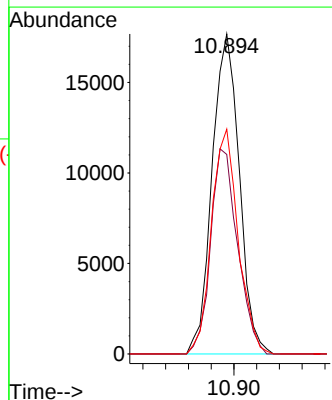
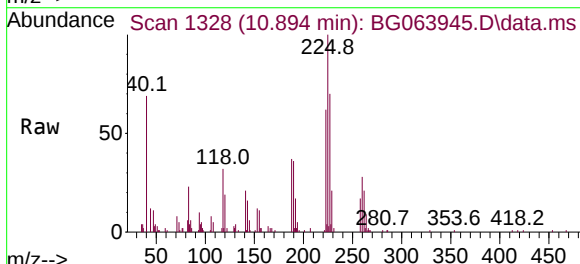
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

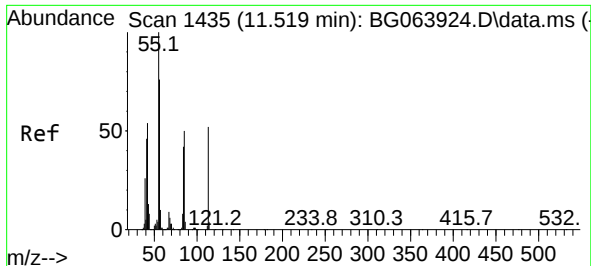
Tgt Ion:	127	Resp:	41201
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.4	38.0
65	29.5	32.6	48.8#
92	17.7	20.3	30.5#



#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

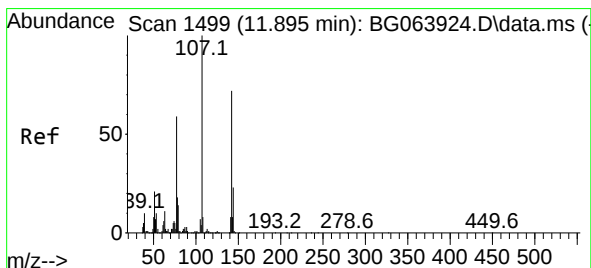
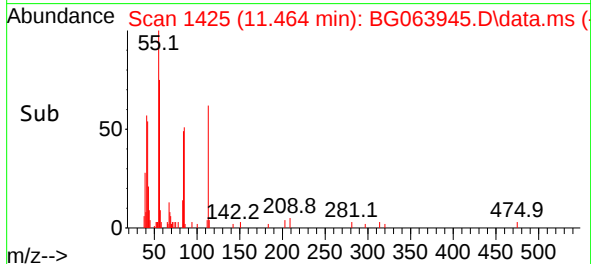
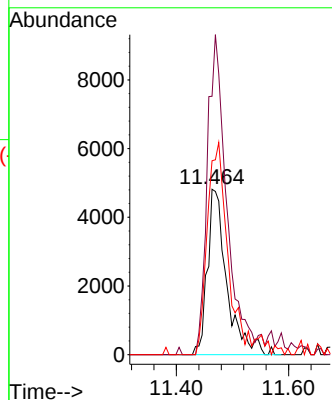
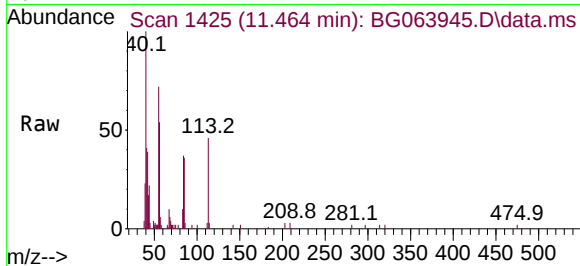




#35
Caprolactam
Concen: 3.973 ng m
RT: 11.464 min Scan# 1425
Delta R.T. -0.056 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

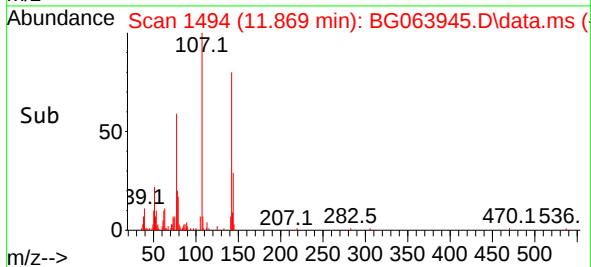
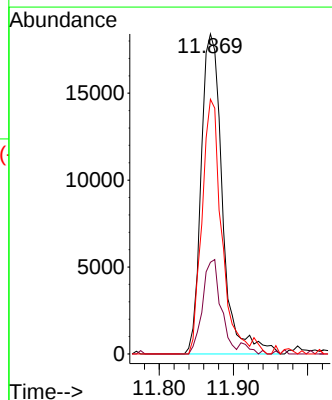
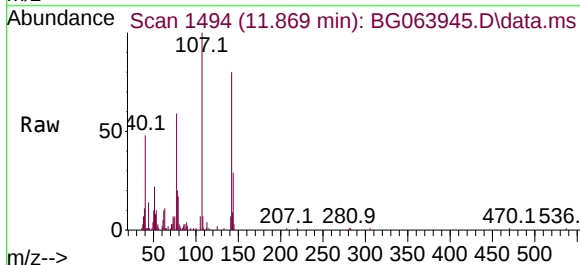
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

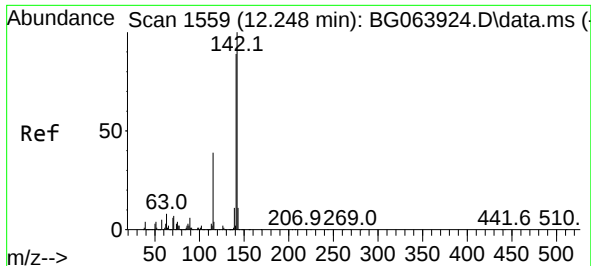
Tgt Ion:113 Resp: 11566
Ion Ratio Lower Upper
113 100
55 156.2 173.7 213.7#
56 117.2 127.5 167.5#



#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

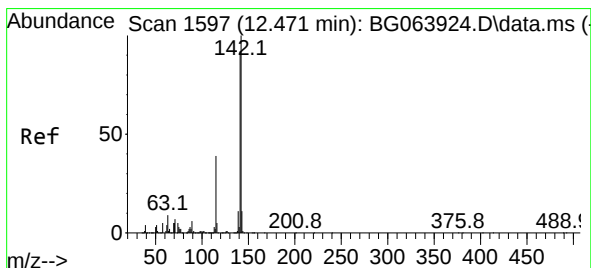
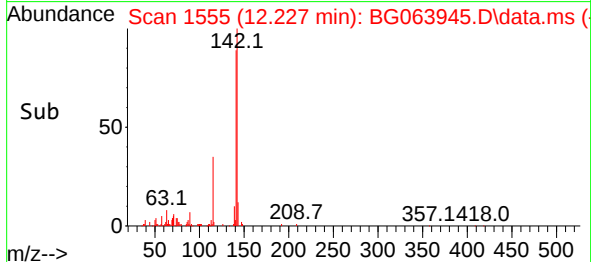
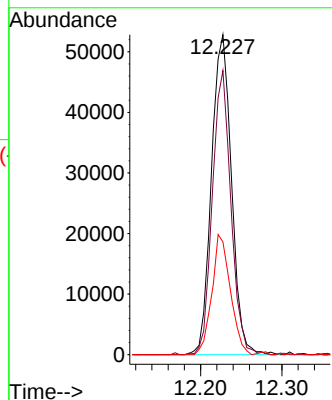
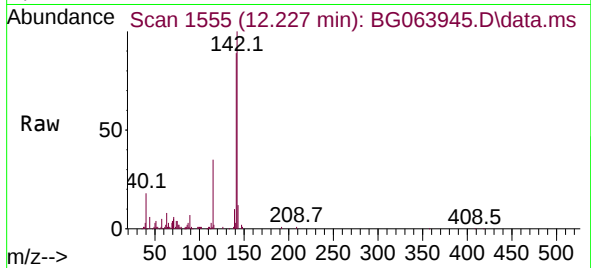




#37
2-Methylnaphthalene
Concen: 4.431 ng
RT: 12.227 min Scan# 1555
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

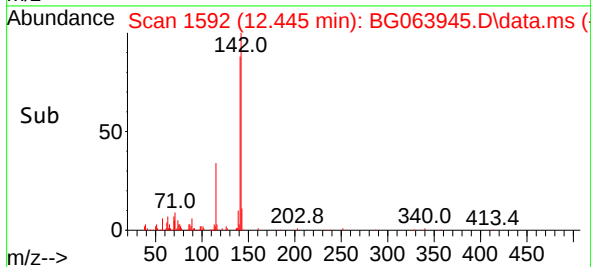
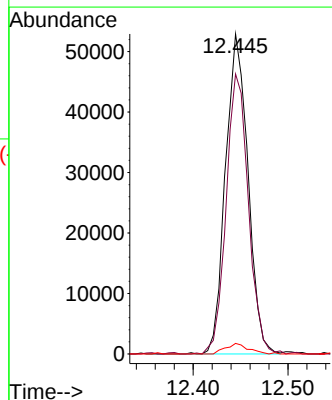
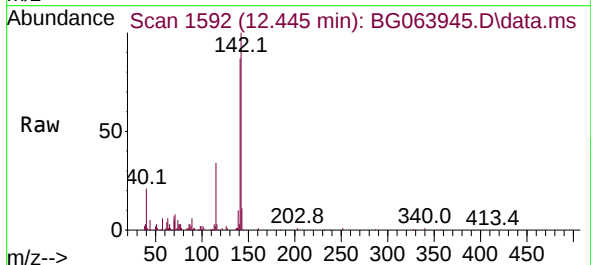
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

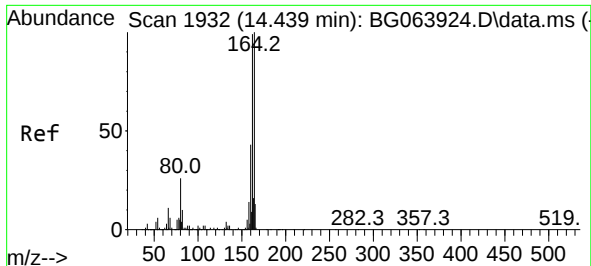
Tgt Ion:142 Resp: 90291
Ion Ratio Lower Upper
142 100
141 88.8 70.8 106.2
115 35.3 31.2 46.8



#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#

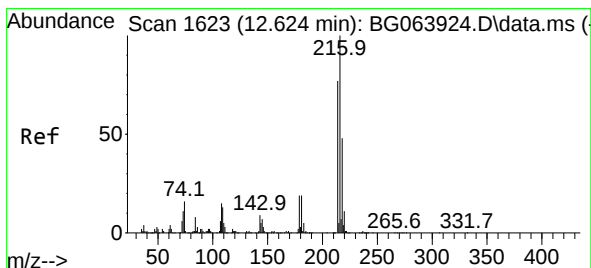
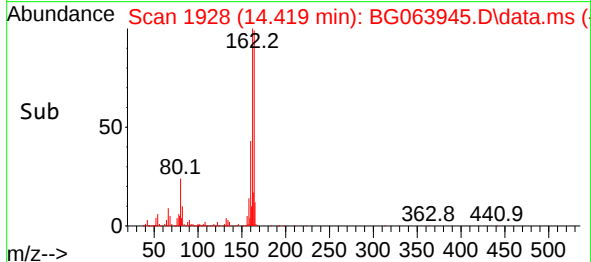
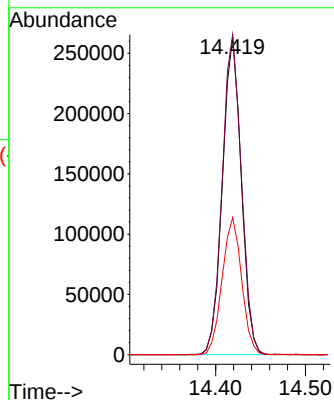
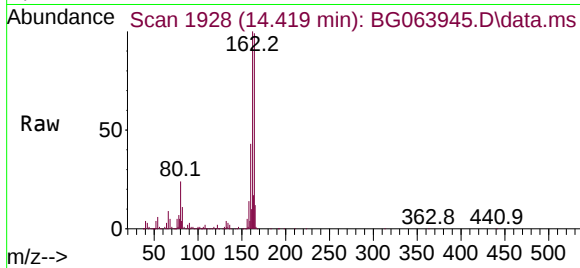




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1619
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

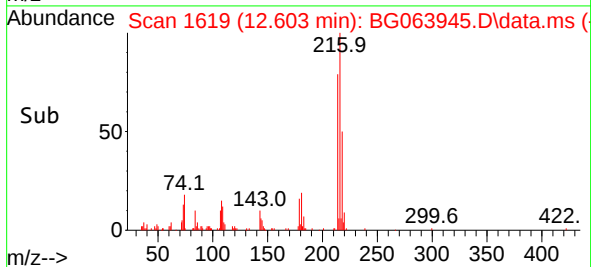
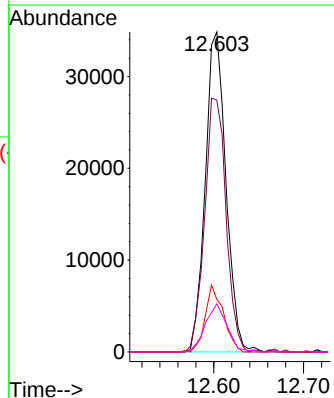
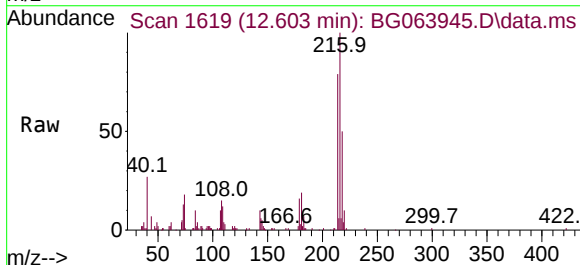
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

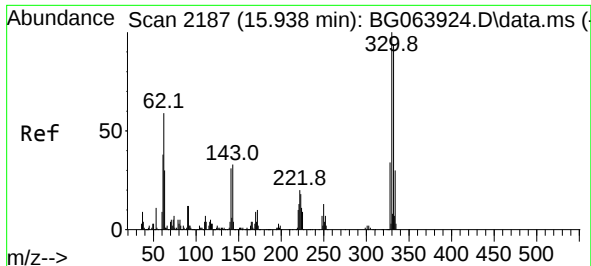
Tgt Ion:164 Resp: 383311
Ion Ratio Lower Upper
164 100
162 100.7 79.1 118.7
160 43.2 34.6 52.0



#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

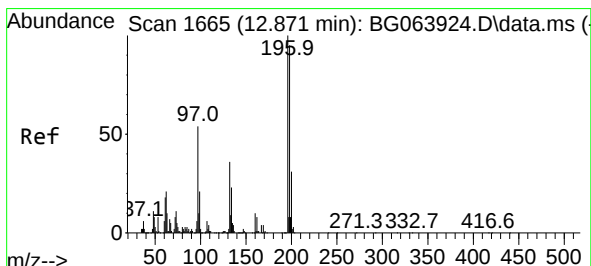
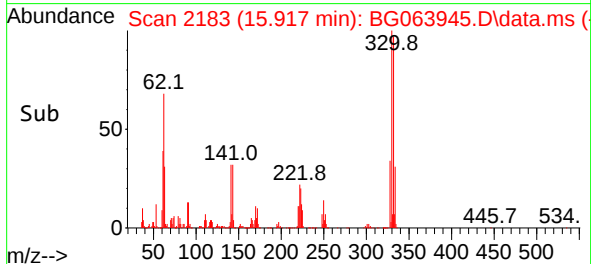
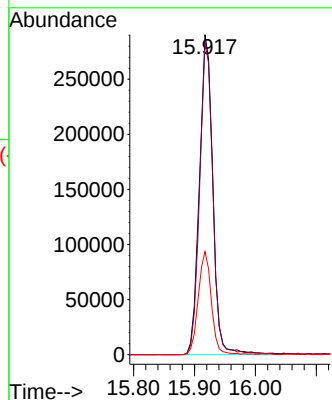
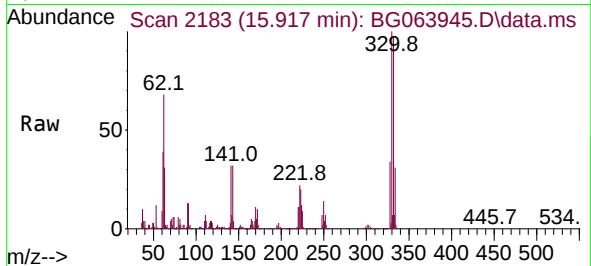




#42
2,4,6-Tribromophenol
Concen: 96.162 ng
RT: 15.917 min Scan# 2183
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

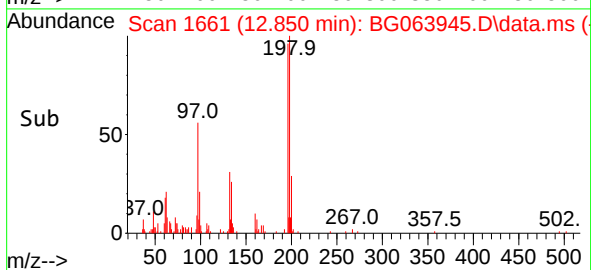
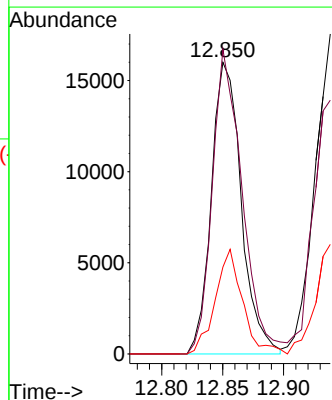
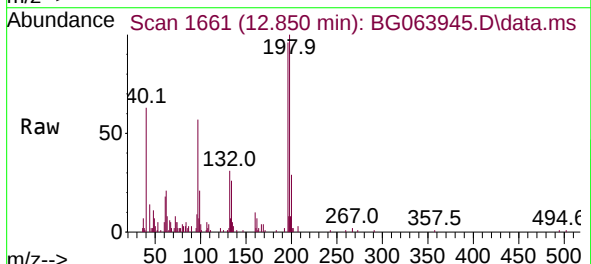
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

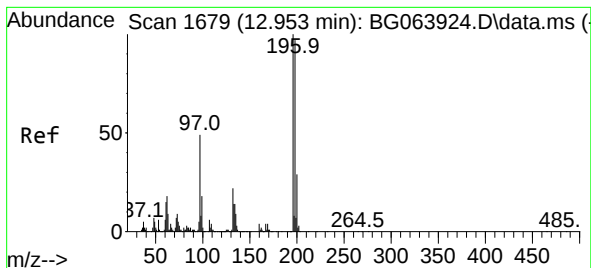
Tgt Ion:330 Resp: 444482
Ion Ratio Lower Upper
330 100
332 96.1 76.6 114.8
141 31.5 24.4 36.6



#43
2,4,6-Trichlorophenol
Concen: 3.605 ng
RT: 12.850 min Scan# 1661
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

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

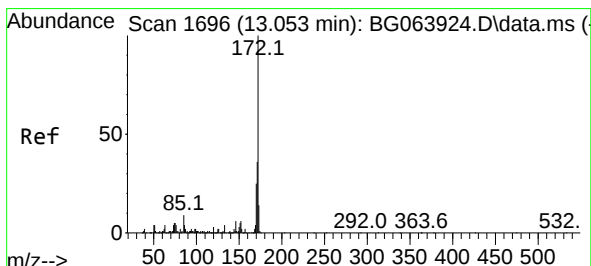
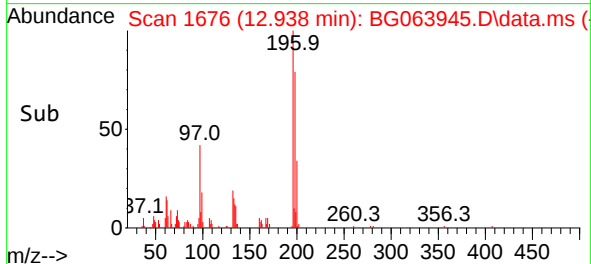
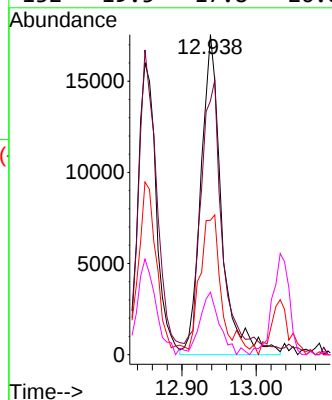
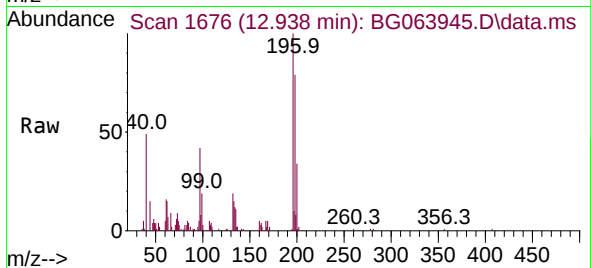




#44
2,4,5-Trichlorophenol
Concen: 3.992 ng
RT: 12.938 min Scan# 1692
Delta R.T. -0.014 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

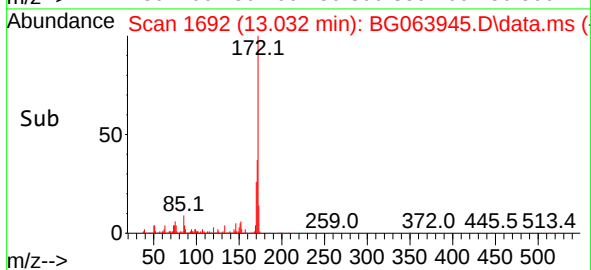
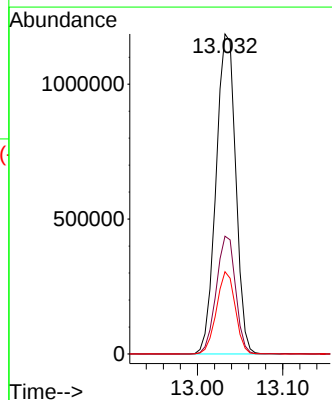
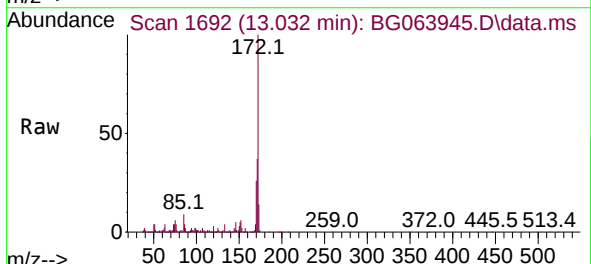
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

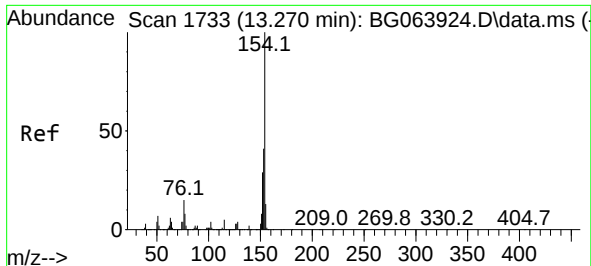
Tgt Ion:196 Resp: 33935
Ion Ratio Lower Upper
196 100
198 79.3 77.7 116.5
97 42.0 39.5 59.3
132 19.5 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 71.760 ng
RT: 13.032 min Scan# 1692
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

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

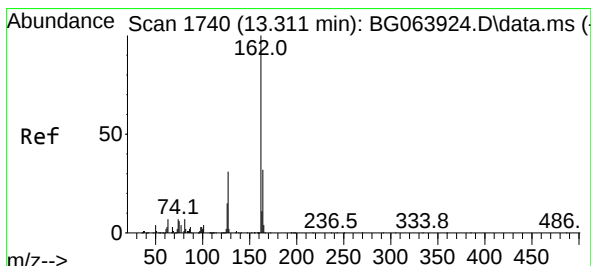
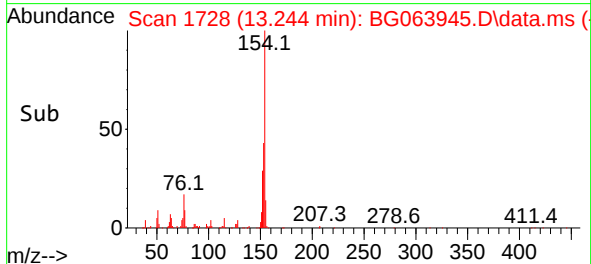
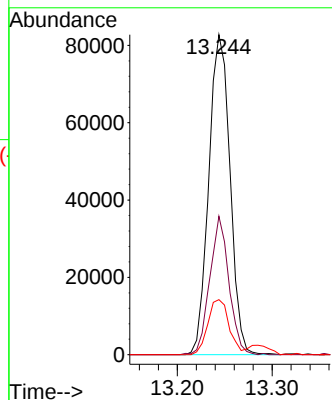
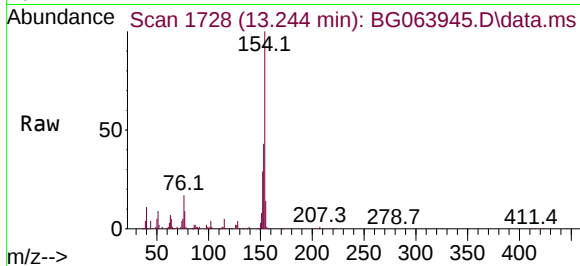




#46
1,1'-Biphenyl
Concen: 4.605 ng
RT: 13.244 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

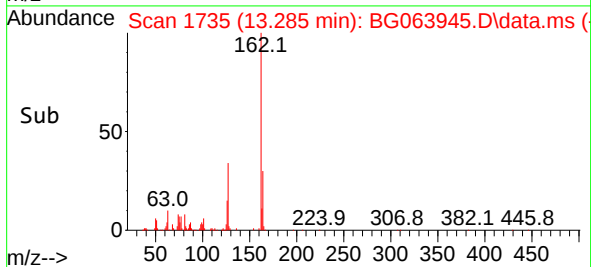
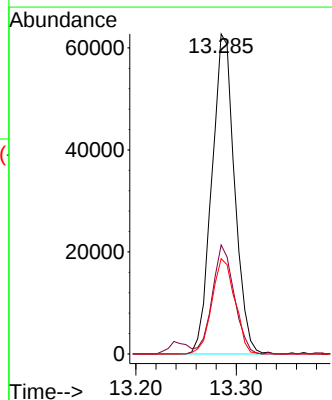
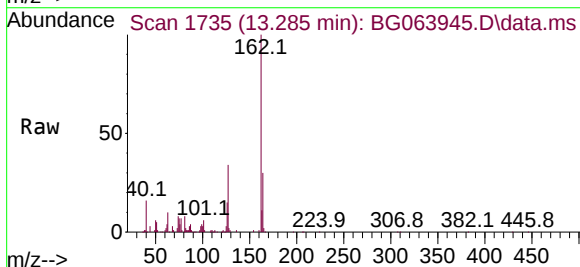
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

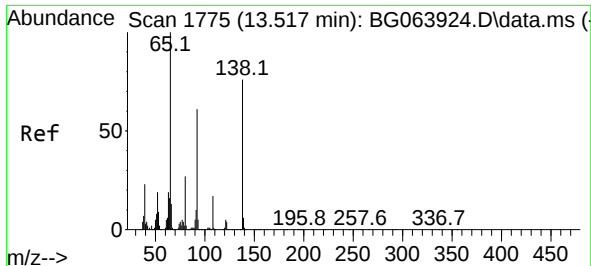
Tgt Ion:154 Resp: 128830
Ion Ratio Lower Upper
154 100
153 43.2 21.4 61.4
76 17.2 0.0 35.0



#47
2-Chloronaphthalene
Concen: 4.280 ng
RT: 13.285 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

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

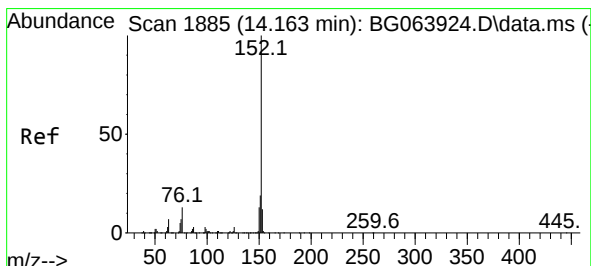
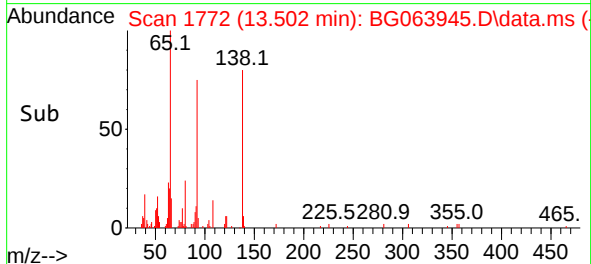
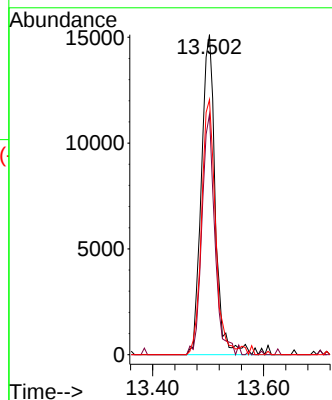
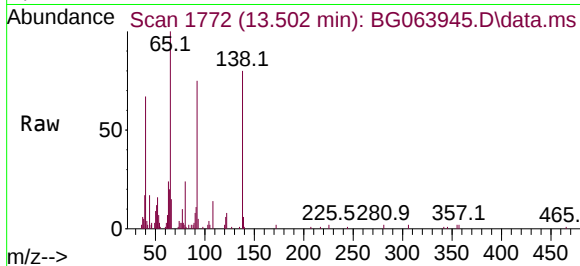




#48
2-Nitroaniline
Concen: 3.450 ng m
RT: 13.502 min Scan# 1
Delta R.T. -0.014 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

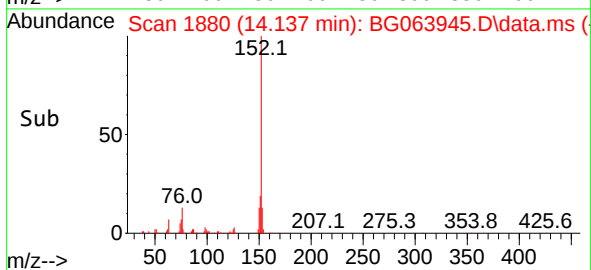
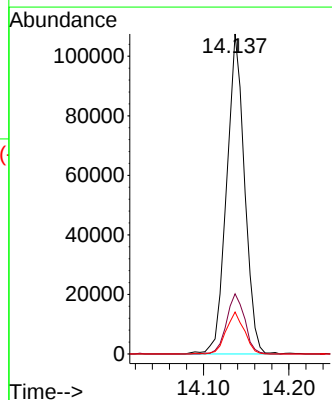
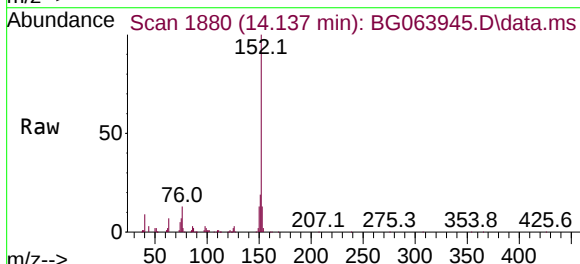
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

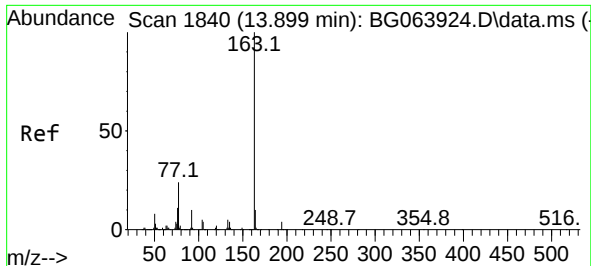
Tgt Ion: 65 Resp: 26549
Ion Ratio Lower Upper
65 100
92 75.1 48.9 73.3#
138 79.7 61.0 91.6



#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

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

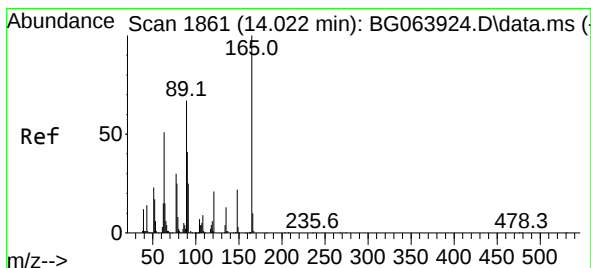
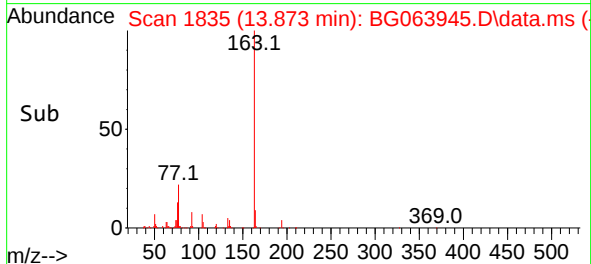
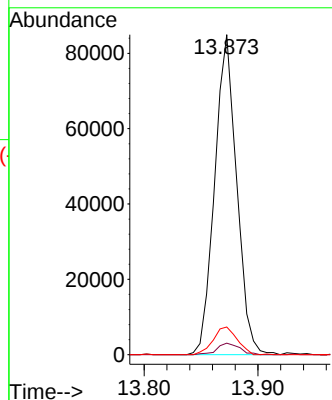
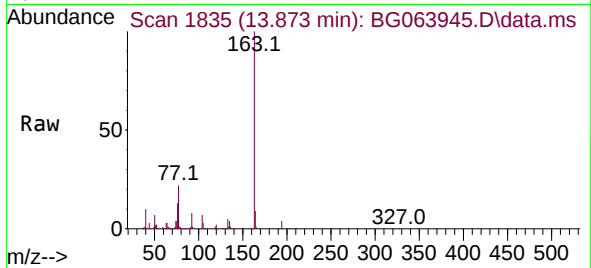




#50
Dimethylphthalate
Concen: 4.082 ng
RT: 13.873 min Scan# 1835
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

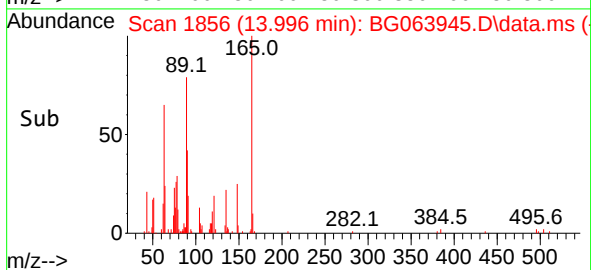
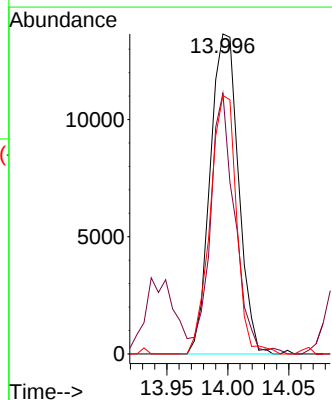
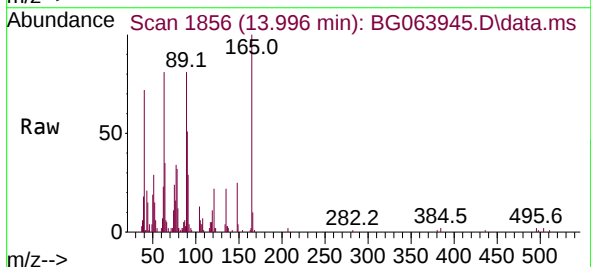
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

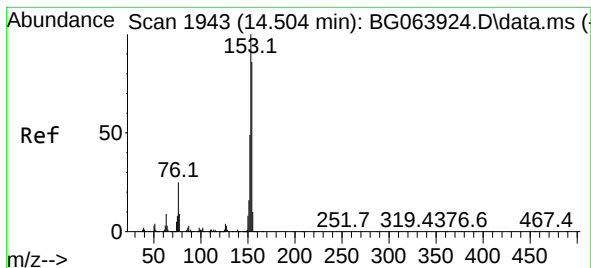
Tgt Ion:163 Resp: 114290
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 8.7 7.8 11.8



#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

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

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

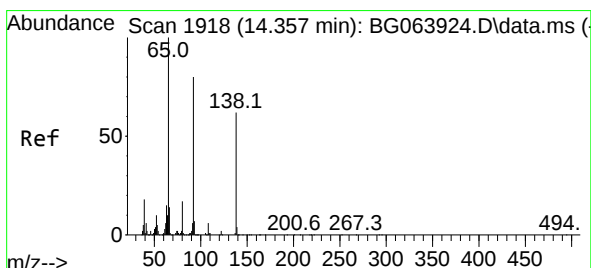
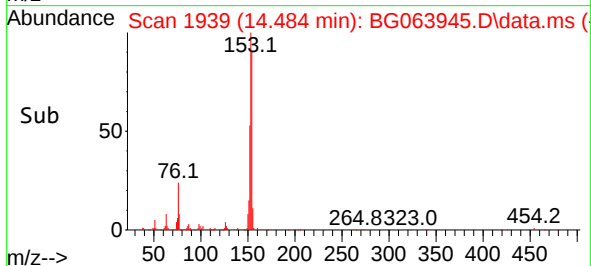
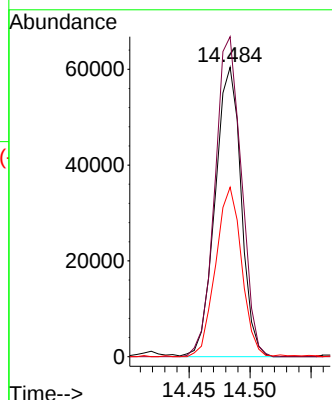
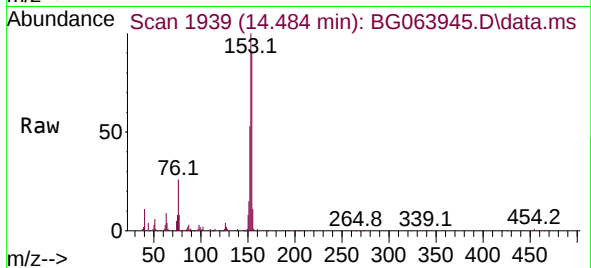
Tgt Ion:154 Resp: 89825

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

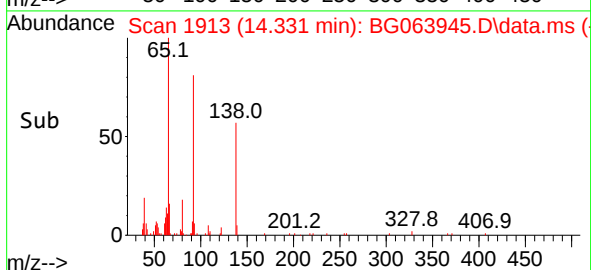
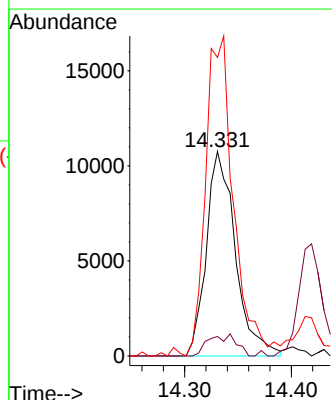
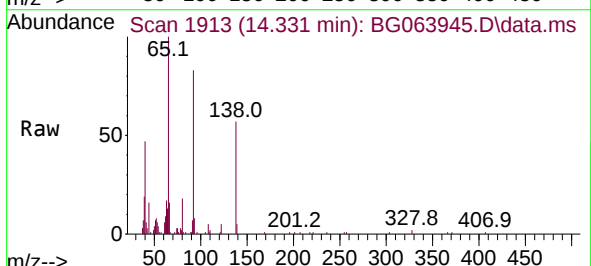
Tgt Ion:138 Resp: 20331

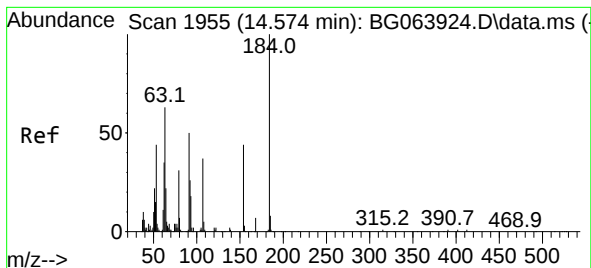
Ion Ratio Lower Upper

138 100

108 9.5 7.8 11.8

92 146.0 104.2 156.2





#54

2,4-Dinitrophenol

Concen: 8.820 ng m

RT: 14.572 min Scan# 1955

Delta R.T. -0.002 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

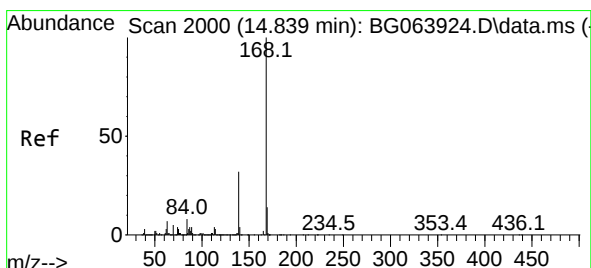
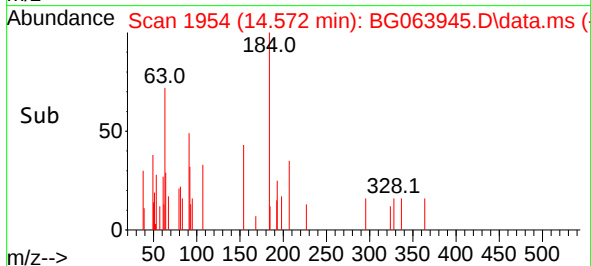
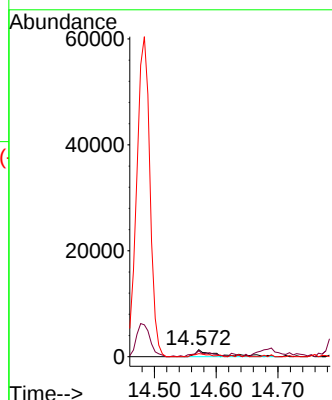
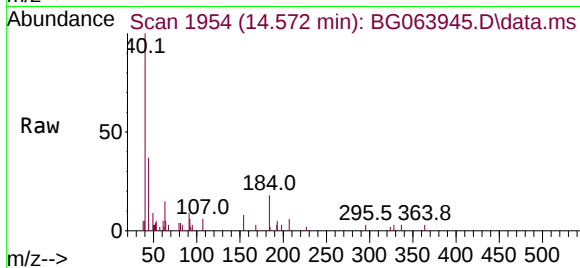
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:184	Resp:	3106
Ion Ratio	Lower	Upper
184	100	
63	84.0	50.8 76.2#
154	43.0	44.2 66.2#



#55

Dibenzofuran

Concen: 4.380 ng

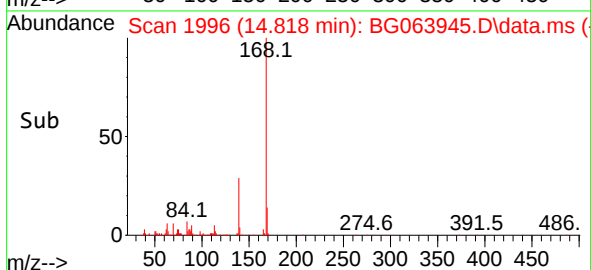
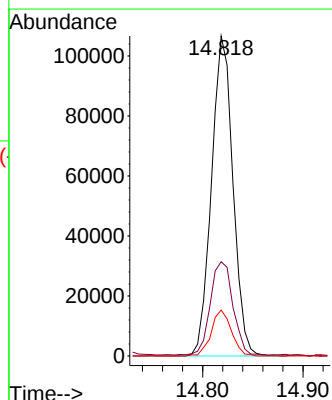
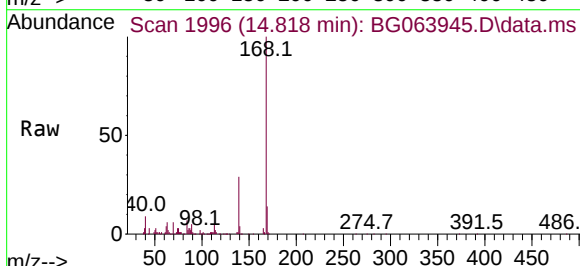
RT: 14.818 min Scan# 1996

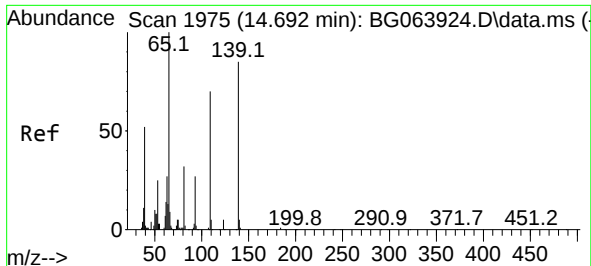
Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

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

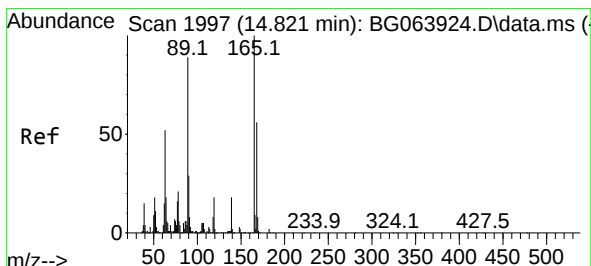
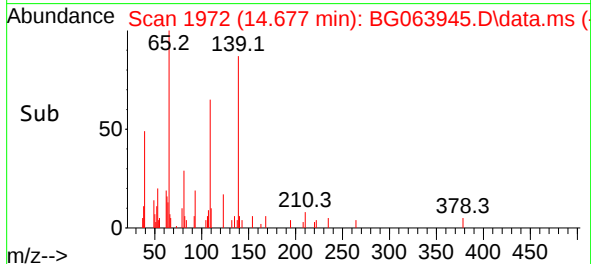
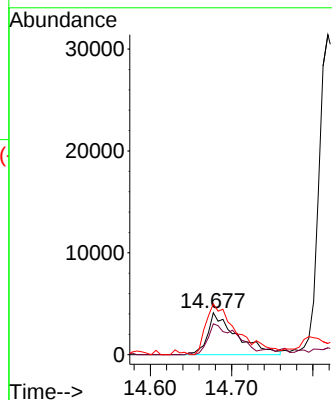
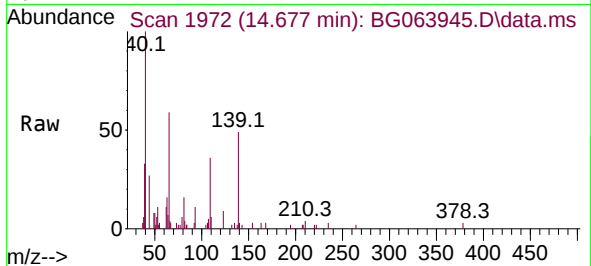




#56
4-Nitrophenol
Concen: 2.591 ng
RT: 14.677 min Scan# 1972
Delta R.T. -0.015 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

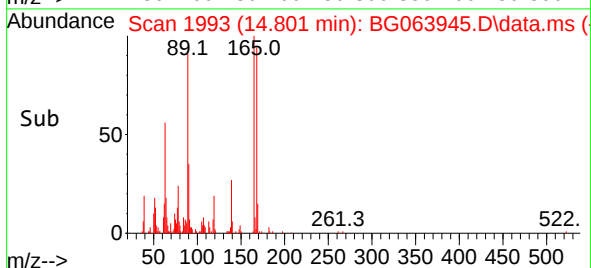
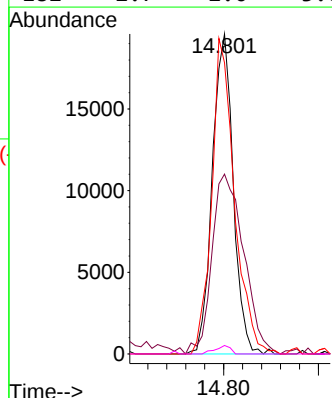
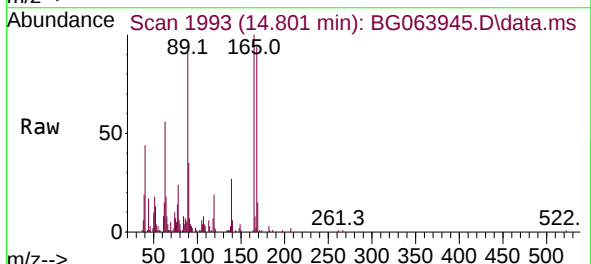
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

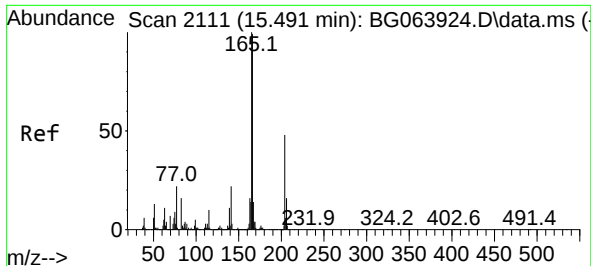
Tgt Ion:139 Resp: 10165
Ion Ratio Lower Upper
139 100
109 73.8 62.8 102.8
65 121.6 98.2 138.2



#57
2,4-Dinitrotoluene
Concen: 3.416 ng
RT: 14.801 min Scan# 1993
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

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

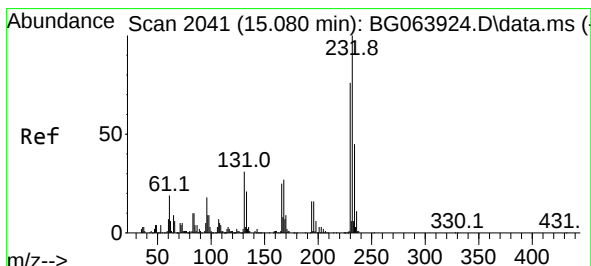
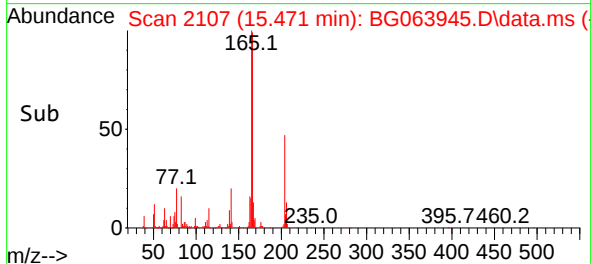
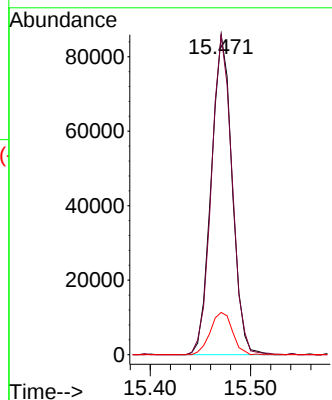
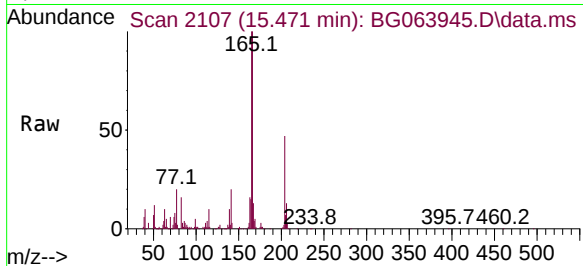




#58
 Fluorene
 Concen: 4.402 ng
 RT: 15.471 min Scan# 2111
 Delta R.T. -0.020 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

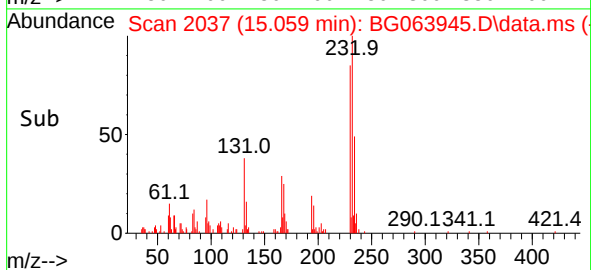
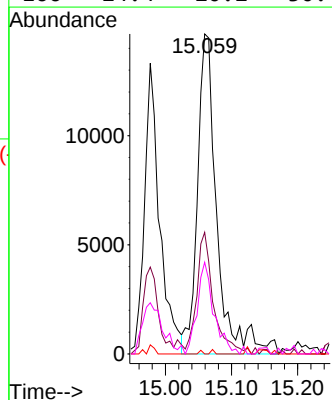
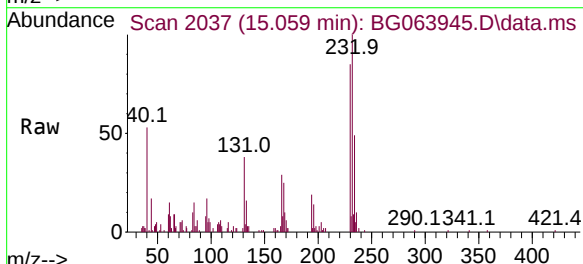
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

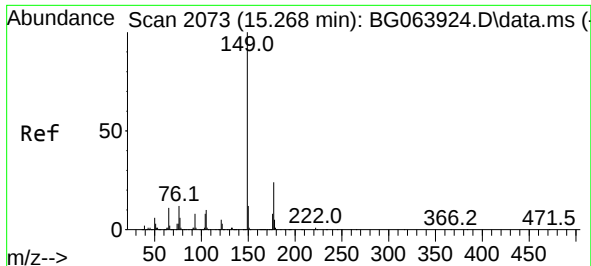
Tgt Ion:166 Resp: 123712
 Ion Ratio Lower Upper
 166 100
 165 99.9 81.2 121.8
 167 13.2 11.2 16.8



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.986 ng m
 RT: 15.059 min Scan# 2037
 Delta R.T. -0.020 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

Tgt Ion:232 Resp: 29902
 Ion Ratio Lower Upper
 232 100
 131 32.6 25.8 38.6
 130 0.2 1.5 2.3#
 166 24.4 20.2 30.4

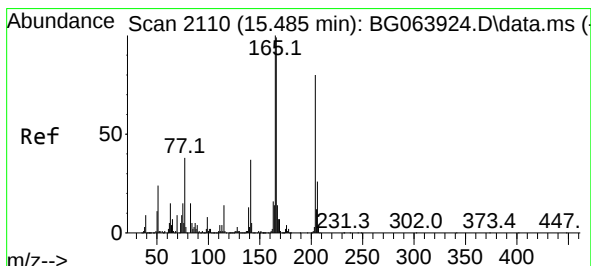
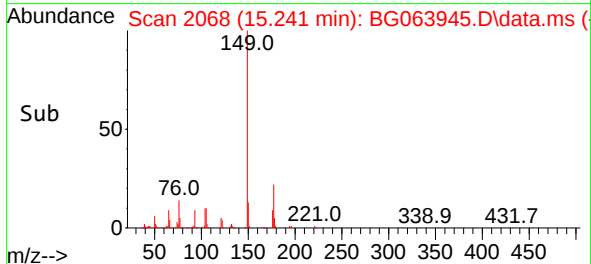
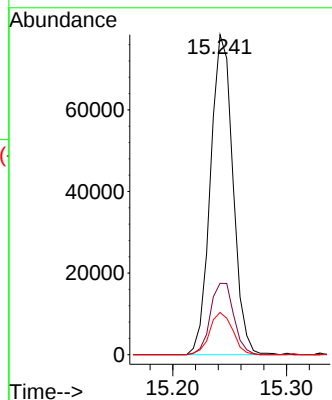
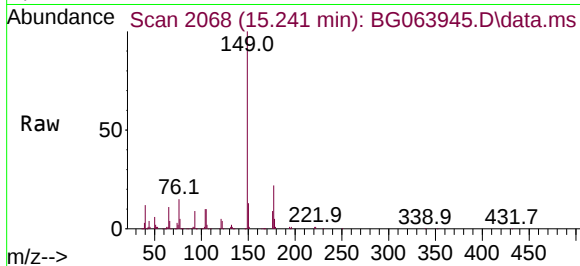




#60
Diethylphthalate
Concen: 3.899 ng
RT: 15.241 min Scan# 2073
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

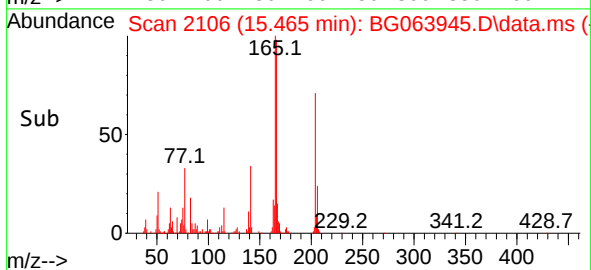
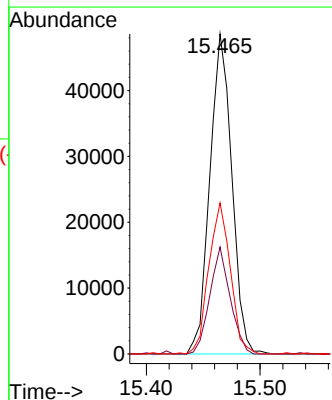
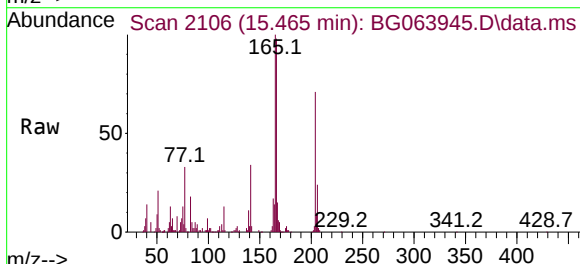
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

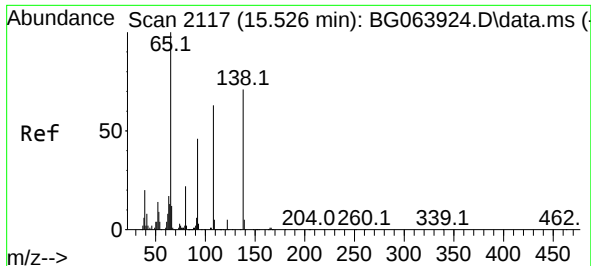
Tgt Ion:149 Resp: 107603
Ion Ratio Lower Upper
149 100
177 22.3 19.1 28.7
150 13.2 9.8 14.8



#61
4-Chlorophenyl-phenylether
Concen: 4.287 ng
RT: 15.465 min Scan# 2106
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

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

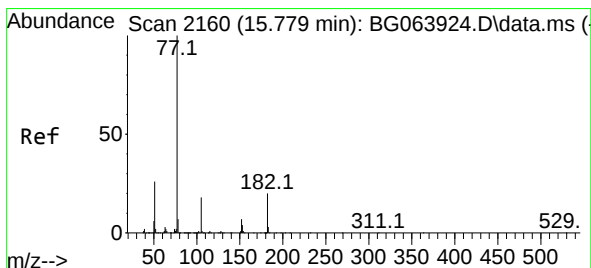
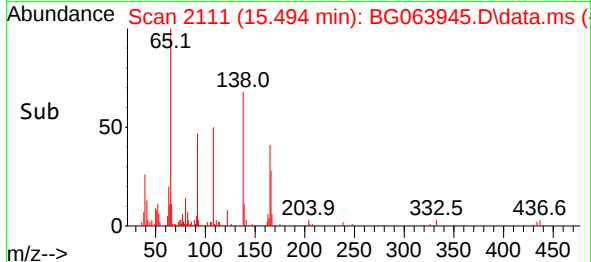
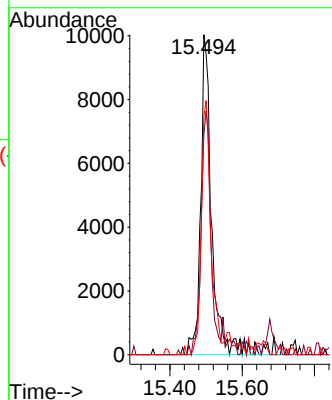
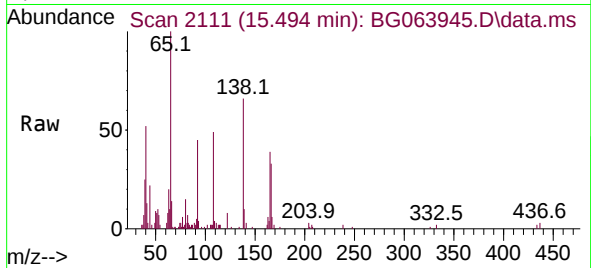




#62
4-Nitroaniline
Concen: 3.649 ng m
RT: 15.494 min Scan# 2111
Delta R.T. -0.032 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

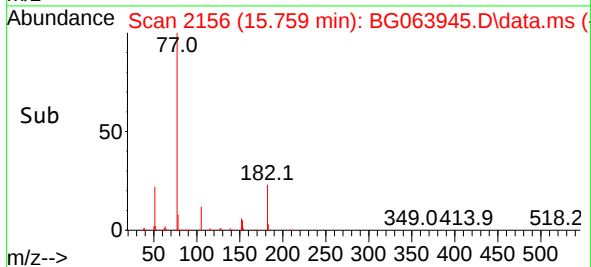
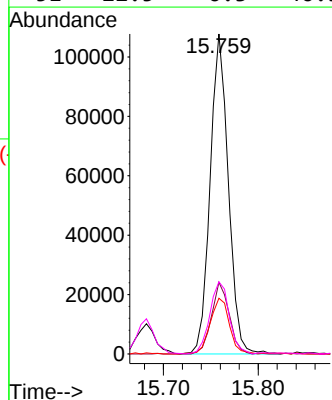
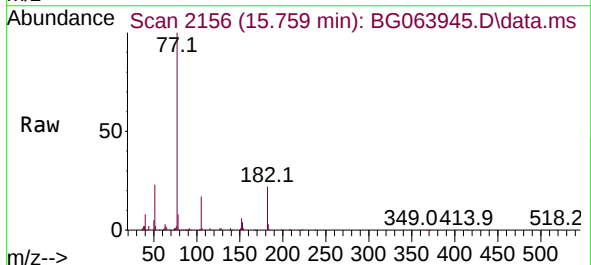
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

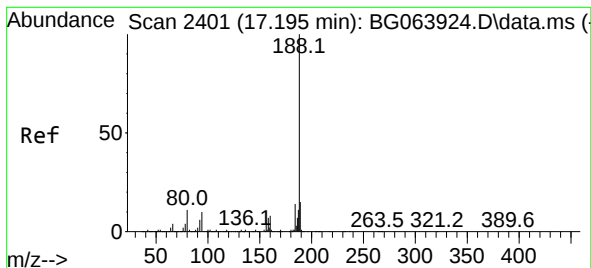
Tgt Ion:138 Resp: 21704
Ion Ratio Lower Upper
138 100
92 68.7 43.9 83.9
108 74.4 68.3 108.3



#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

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# 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

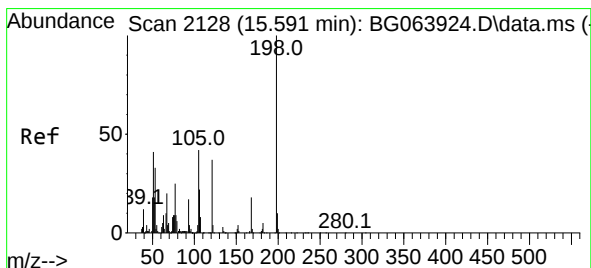
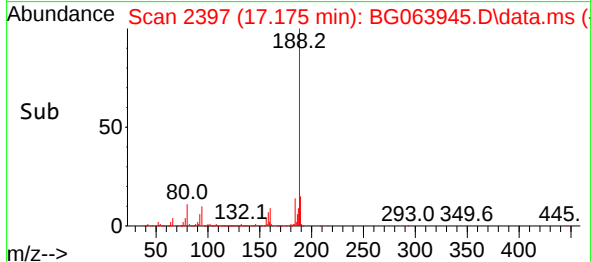
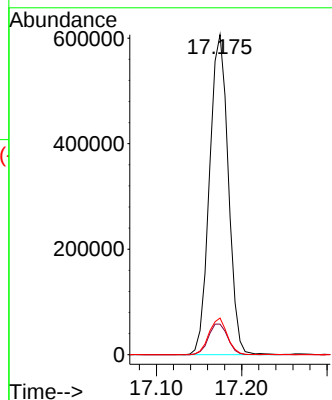
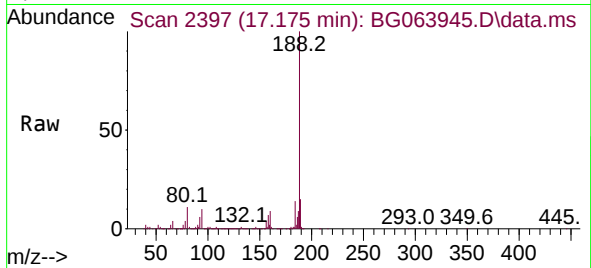
Tgt Ion:188 Resp: 925992

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

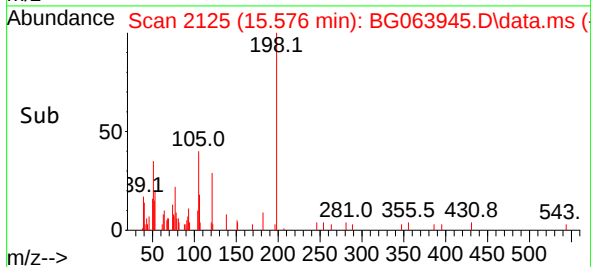
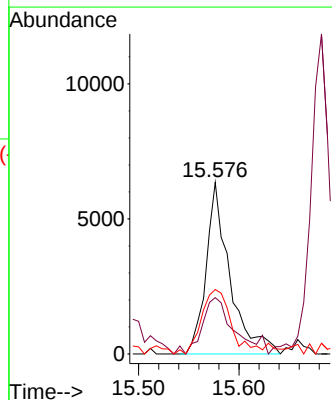
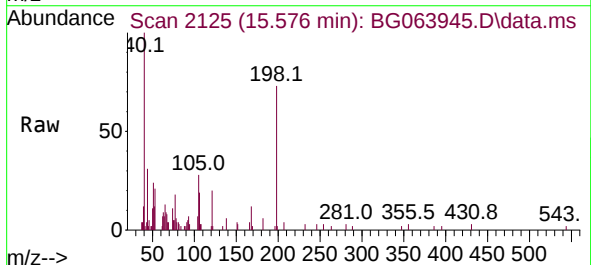
Tgt Ion:198 Resp: 10467

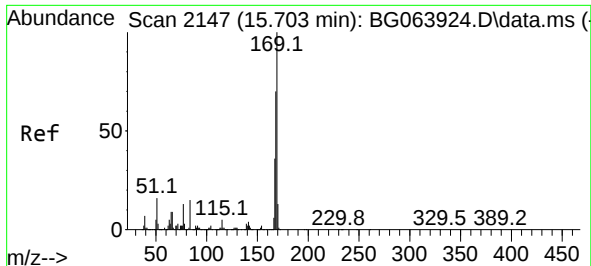
Ion Ratio Lower Upper

198 100

51 32.8 22.5 62.5

105 37.6 22.2 62.2

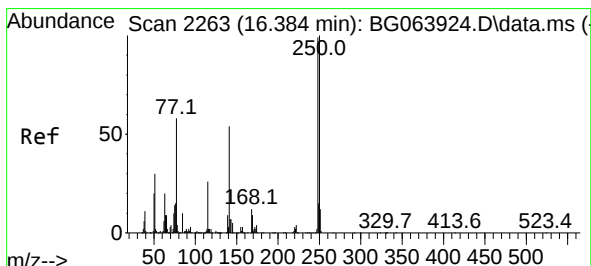
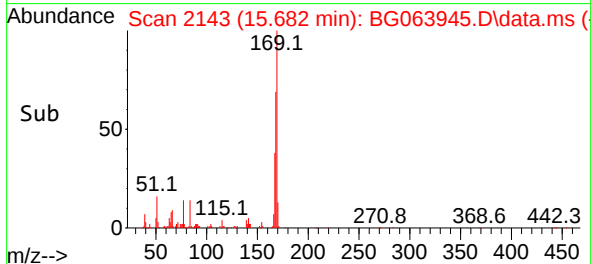
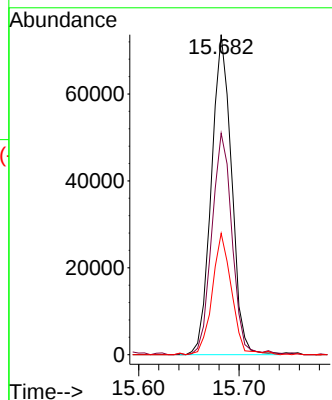
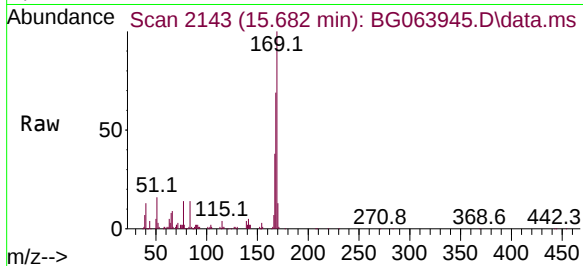




#66
n-Nitrosodiphenylamine
Concen: 4.277 ng
RT: 15.682 min Scan# 2143
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

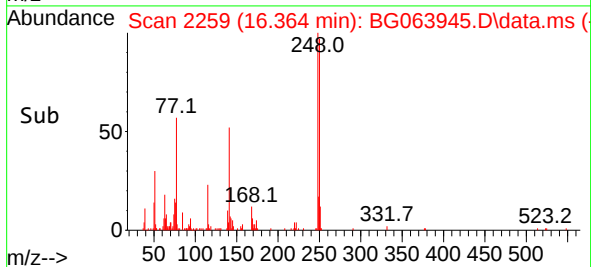
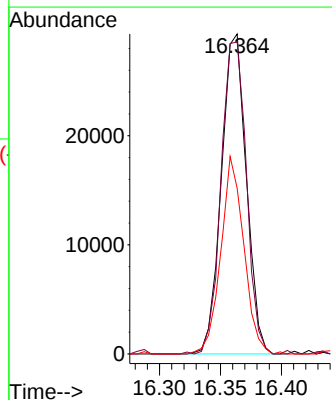
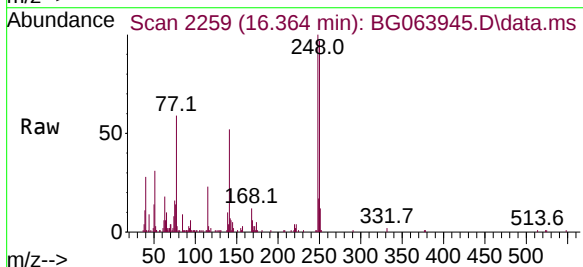
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

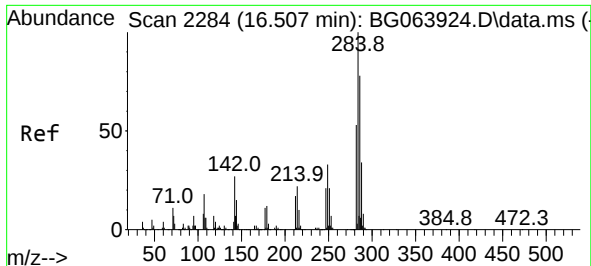
Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.2	56.2	84.2
167	37.9	29.2	43.8



#67
4-Bromophenyl-phenylether
Concen: 4.081 ng
RT: 16.364 min Scan# 2259
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

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

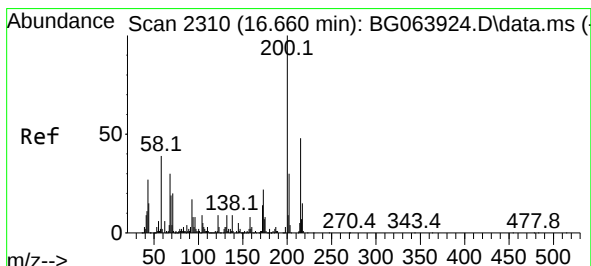
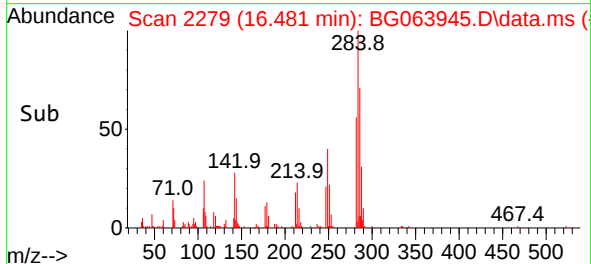
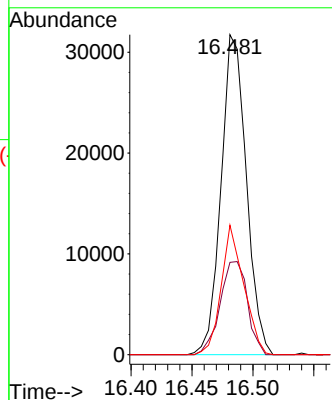
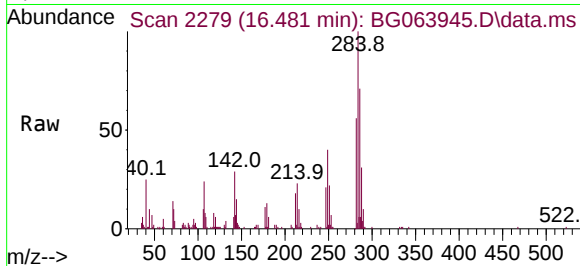




#68
Hexachlorobenzene
Concen: 3.917 ng
RT: 16.481 min Scan# 21
Delta R.T. -0.026 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

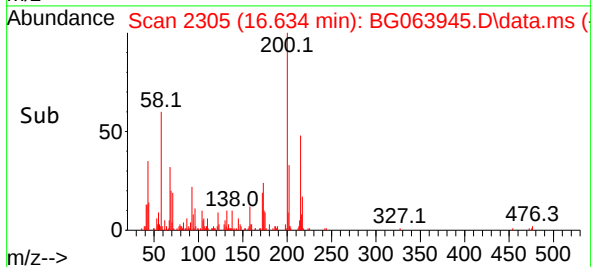
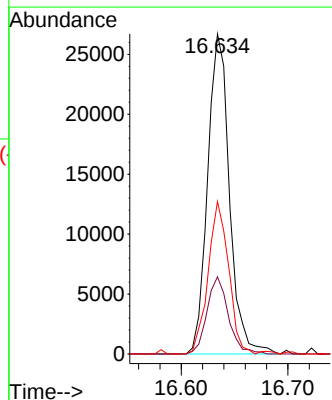
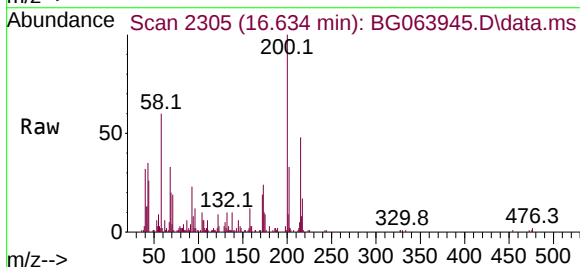
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

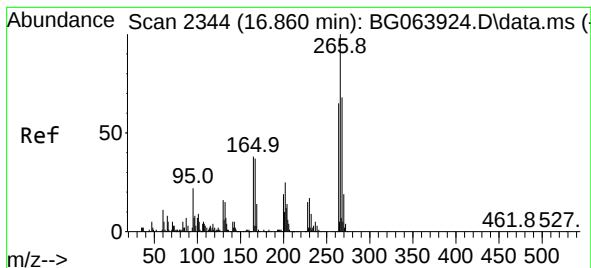
Tgt Ion:284 Resp: 45779
Ion Ratio Lower Upper
284 100
142 28.9 22.0 33.0
249 40.4 26.2 39.2#



#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

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

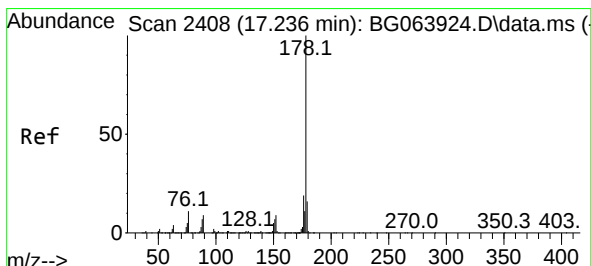
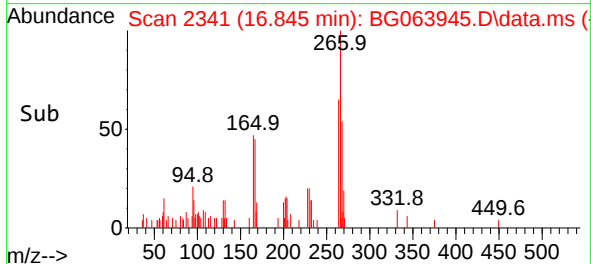
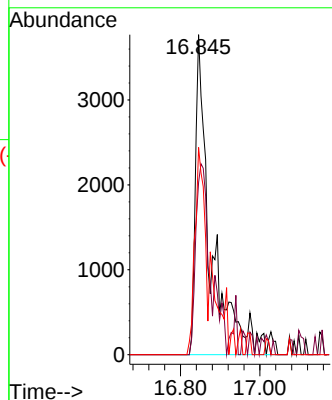
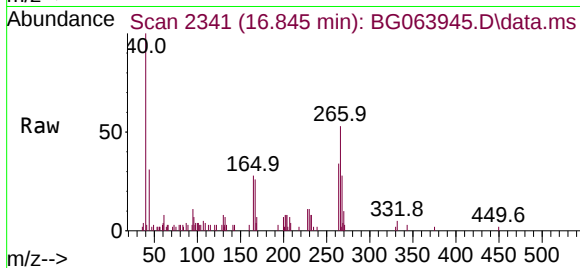




#70
Pentachlorophenol
Concen: 2.135 ng m
RT: 16.845 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

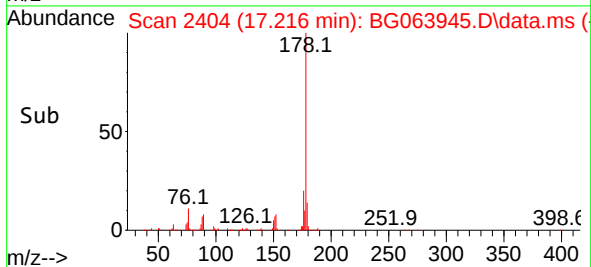
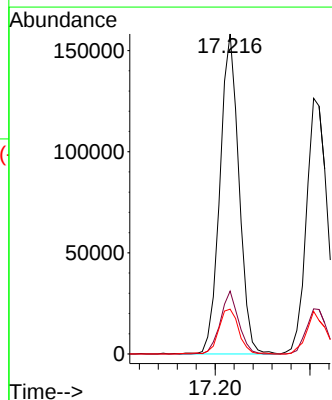
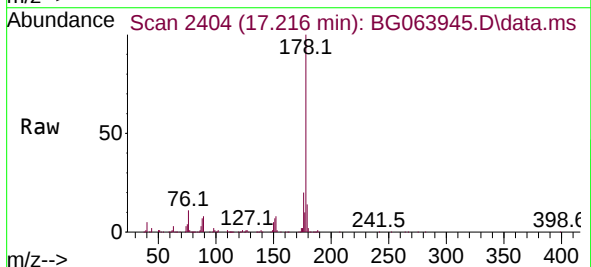
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

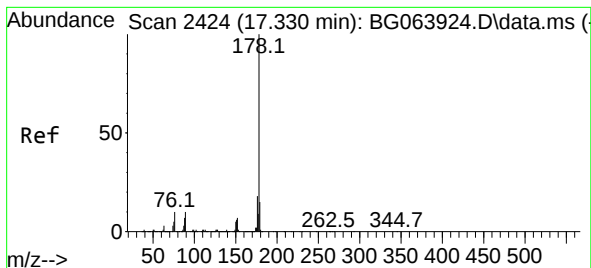
Tgt Ion	Ratio	Lower	Upper
266	100		
268	53.8	54.5	81.7#
264	64.7	52.2	78.4



#71
Phenanthrene
Concen: 4.582 ng
RT: 17.216 min Scan# 2404
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

Tgt 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# 24

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

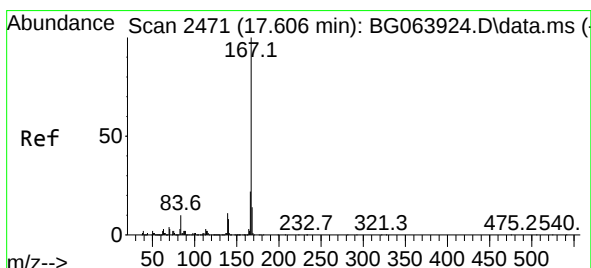
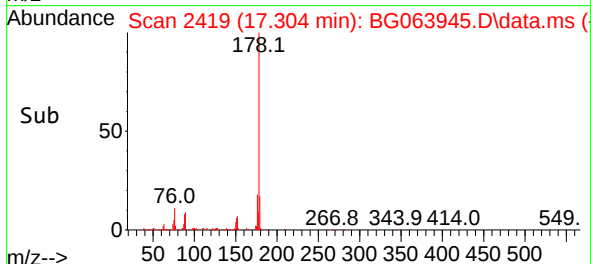
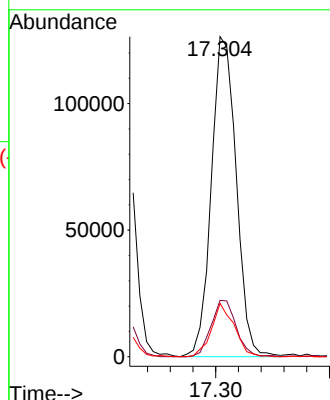
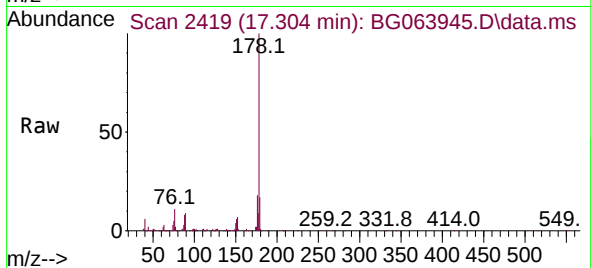
Tgt Ion:178 Resp: 191945

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# 2467

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

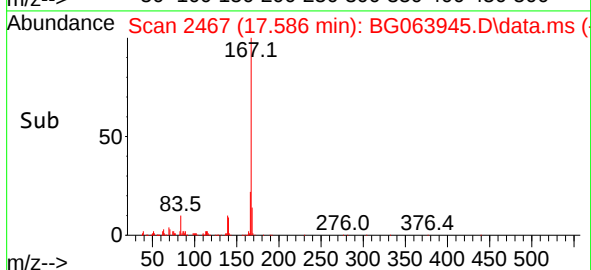
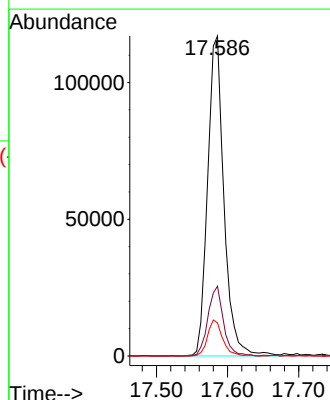
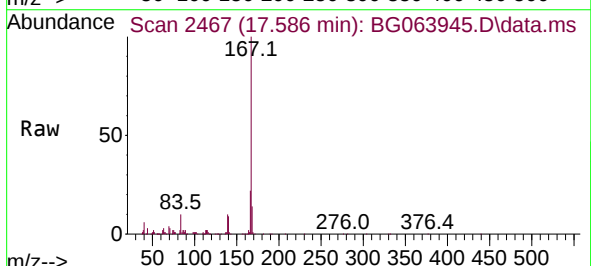
Tgt Ion:167 Resp: 187337

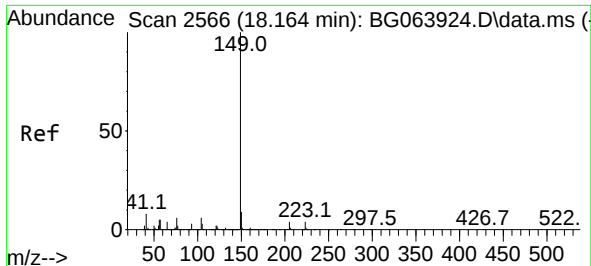
Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.0

139 10.4 9.0 13.6

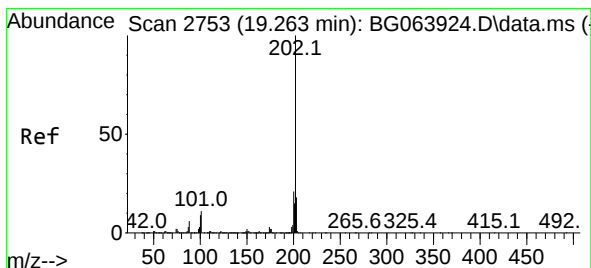
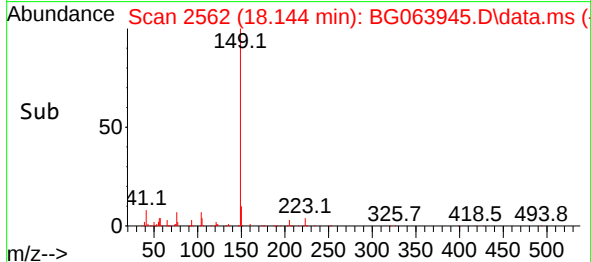
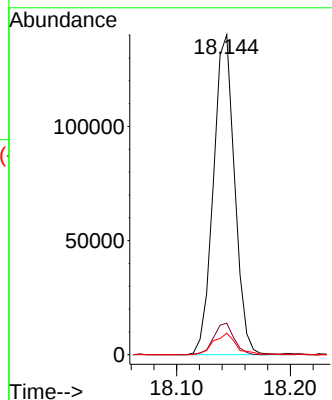
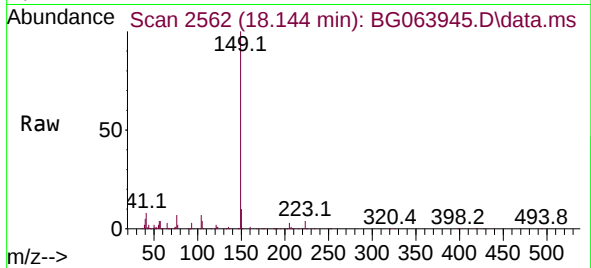




#74
Di-n-butylphthalate
Concen: 3.769 ng
RT: 18.144 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

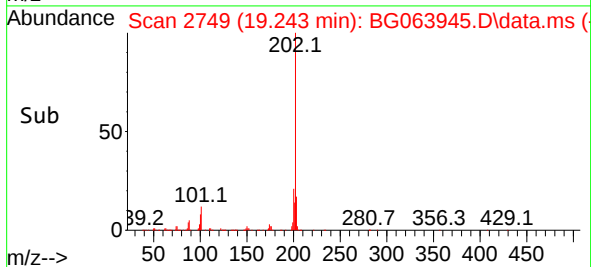
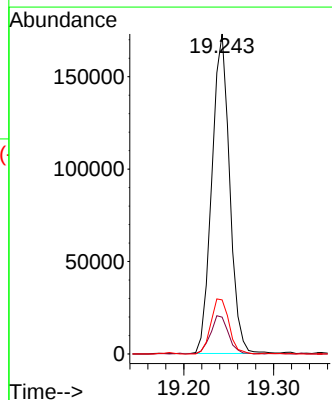
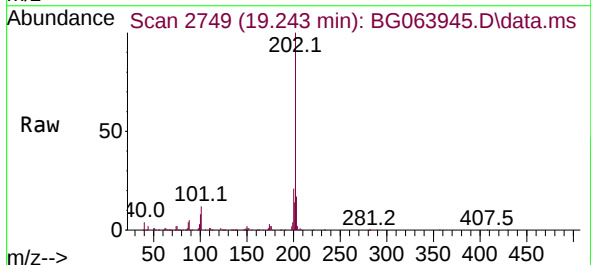
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

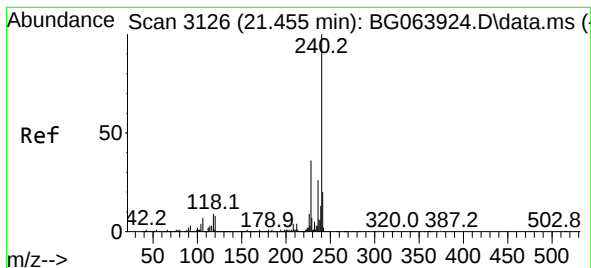
Tgt Ion:149 Resp: 181829
Ion Ratio Lower Upper
149 100
150 9.9 7.4 11.0
104 6.7 4.9 7.3



#75
Fluoranthene
Concen: 3.910 ng
RT: 19.243 min Scan# 2749
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

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# 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

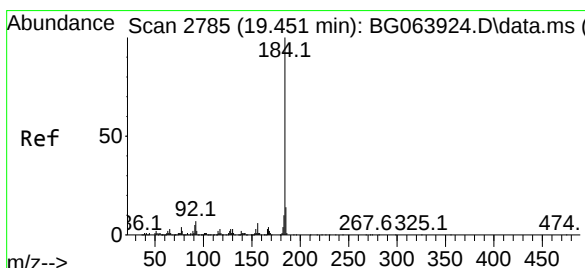
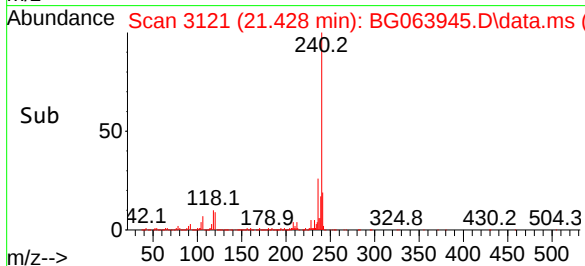
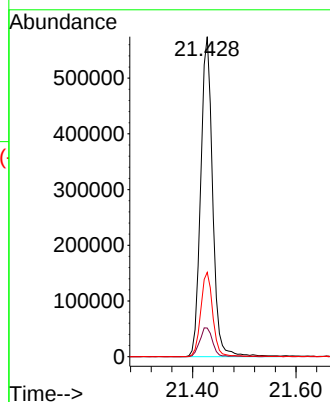
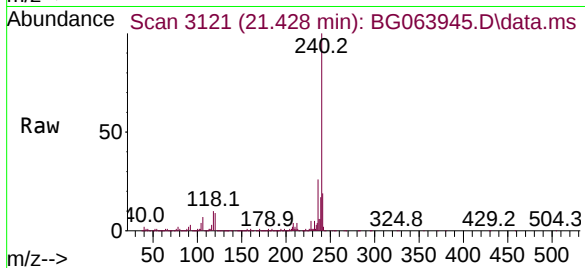
Tgt Ion:240 Resp: 918646

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# 2781

Delta R.T. -0.020 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

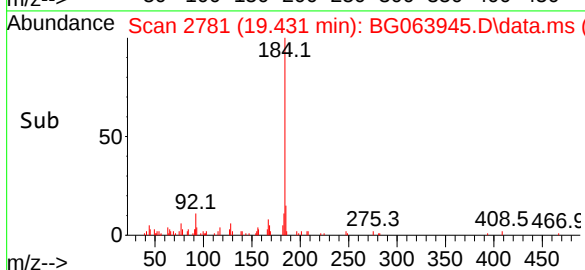
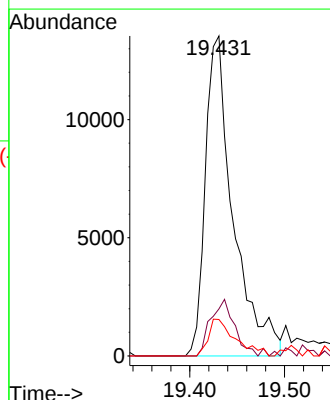
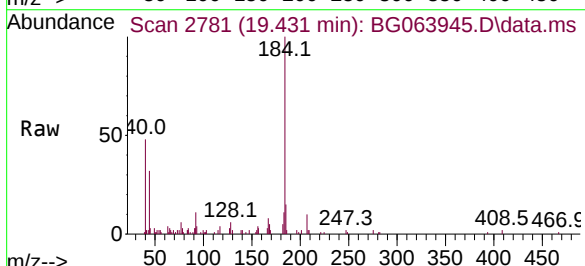
Tgt Ion:184 Resp: 27580

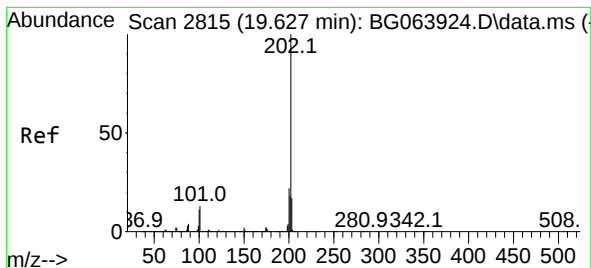
Ion Ratio Lower Upper

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# 21

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

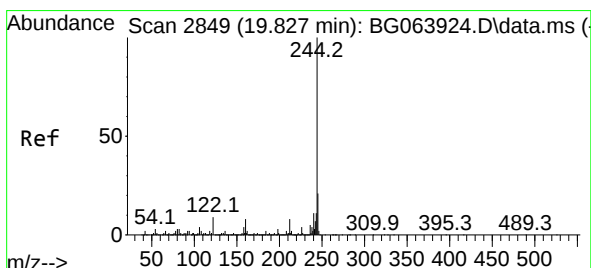
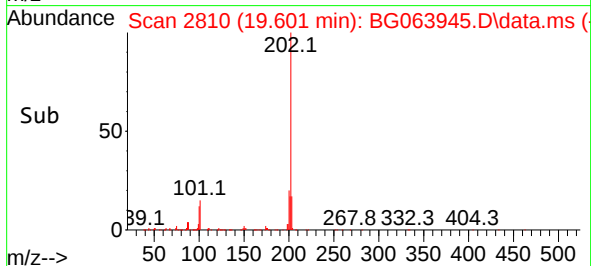
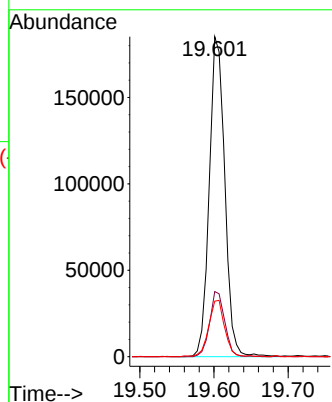
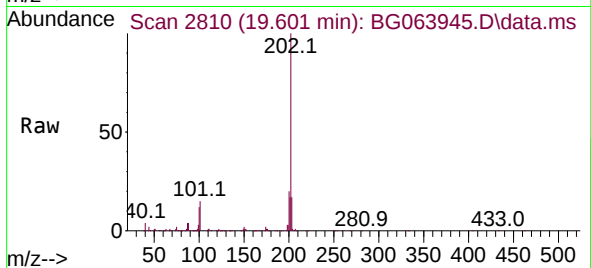
Tgt Ion:202 Resp: 269517

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# 2846

Delta R.T. -0.014 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

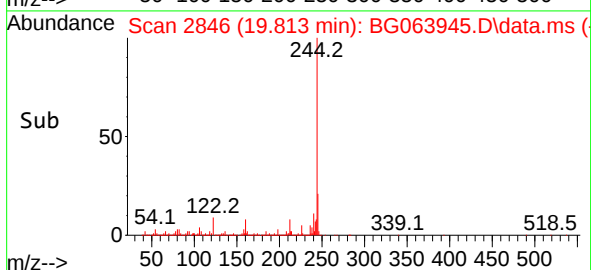
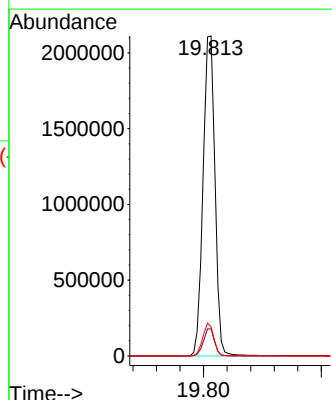
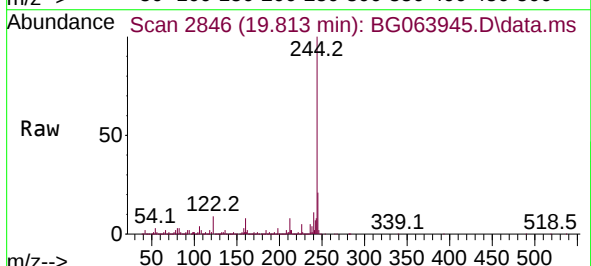
Tgt Ion:244 Resp: 2970640

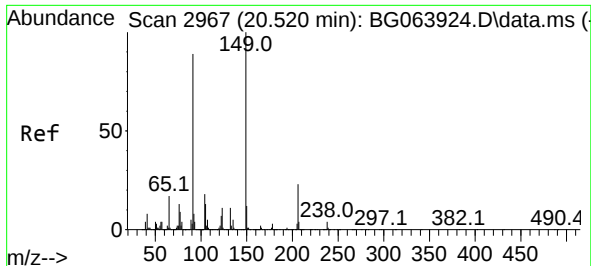
Ion Ratio Lower Upper

244 100

212 8.4 6.7 10.1

122 9.1 7.4 11.0

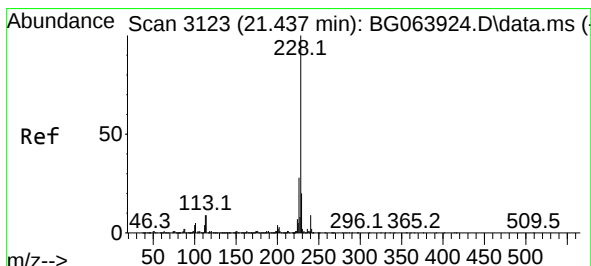
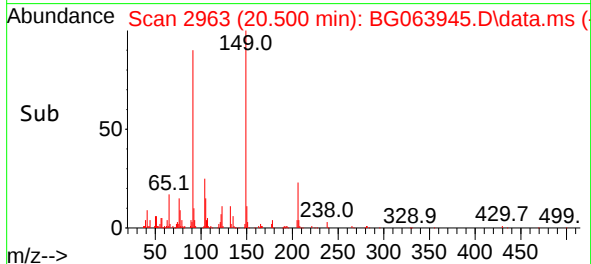
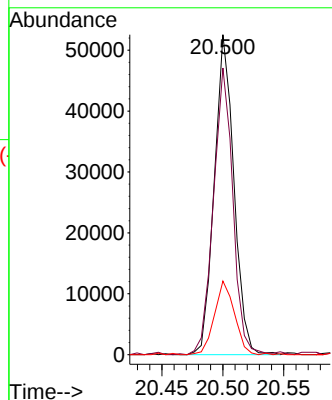
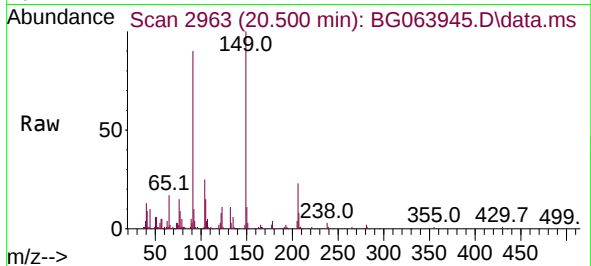




#80
Butylbenzylphthalate
Concen: 3.030 ng
RT: 20.500 min Scan# 2967
Delta R.T. -0.020 min
Lab File: BG063945.D
Acq: 10 Jan 2025 10:46

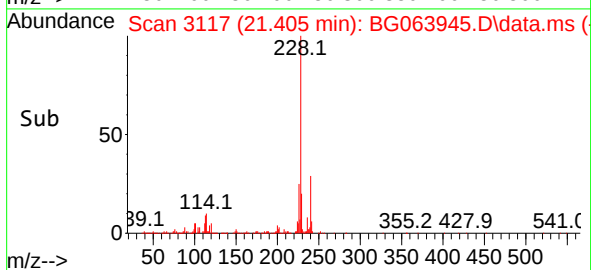
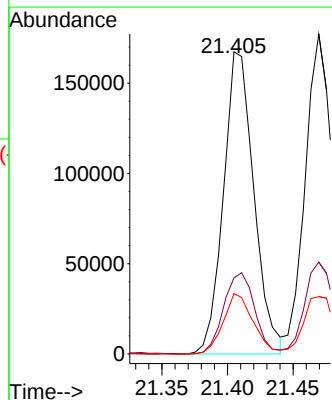
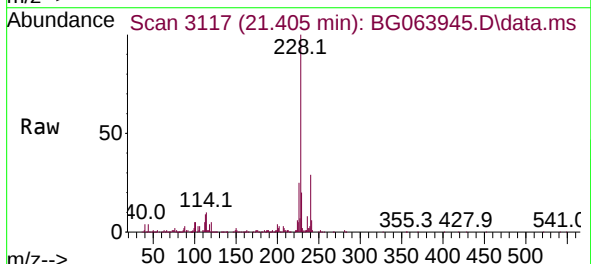
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

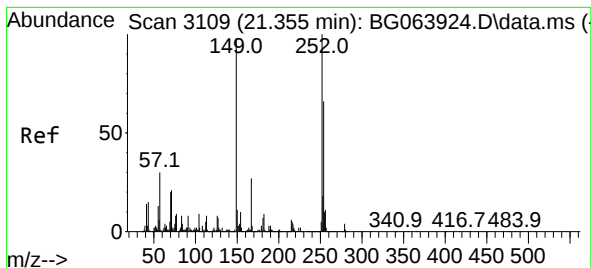
Tgt Ion:149 Resp: 58909
Ion Ratio Lower Upper
149 100
91 89.6 71.4 107.0
206 23.0 18.7 28.1



#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

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

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

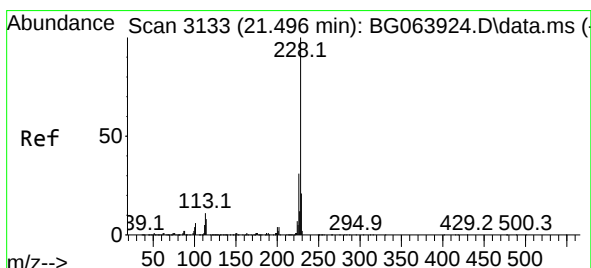
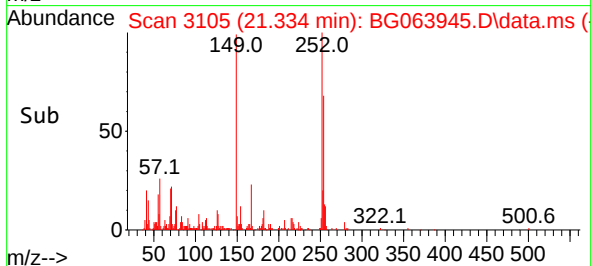
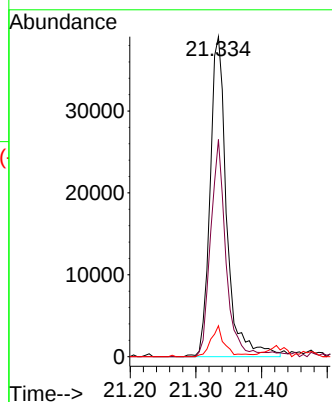
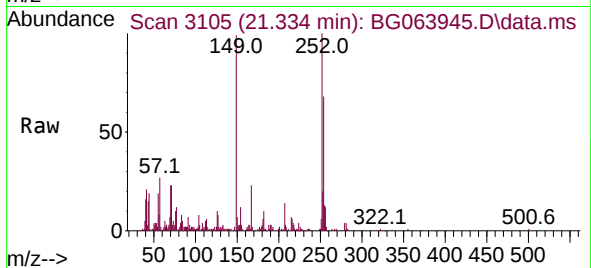
Tgt Ion:252 Resp: 68856

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# 3128

Delta R.T. -0.026 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

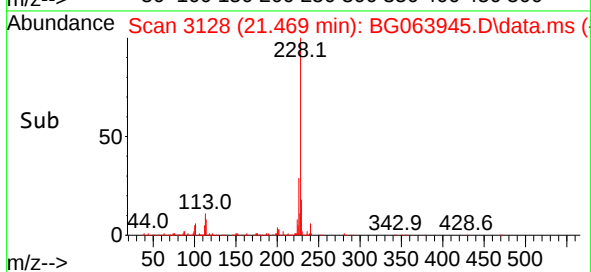
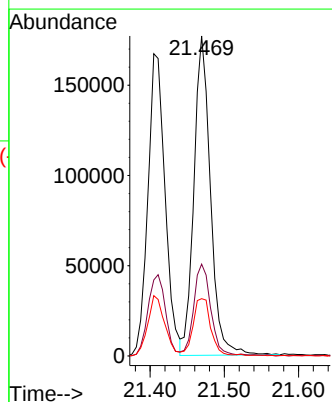
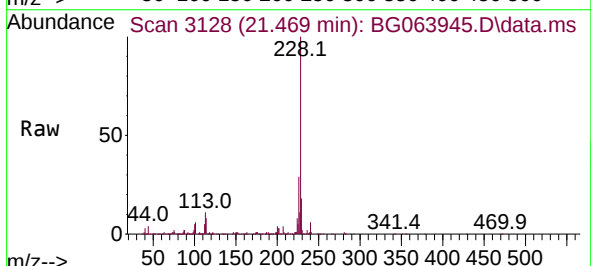
Tgt Ion:228 Resp: 273788

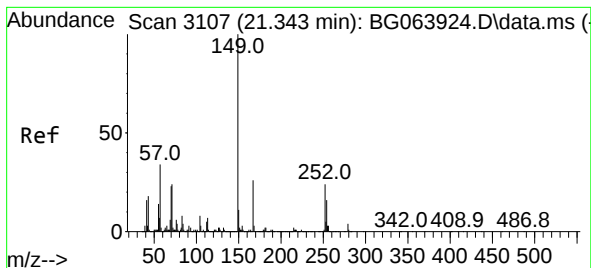
Ion Ratio Lower Upper

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# 3107

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

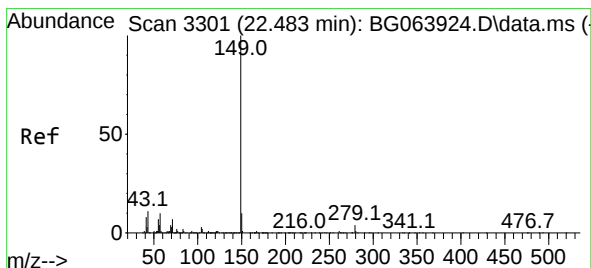
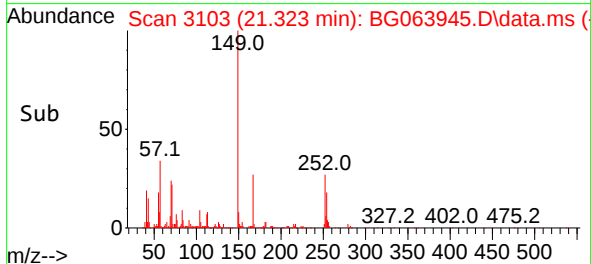
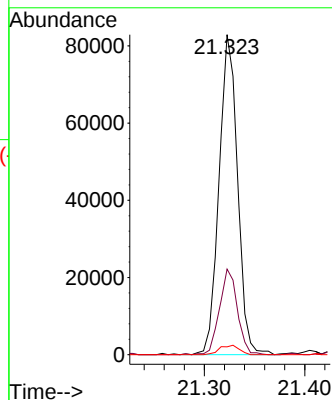
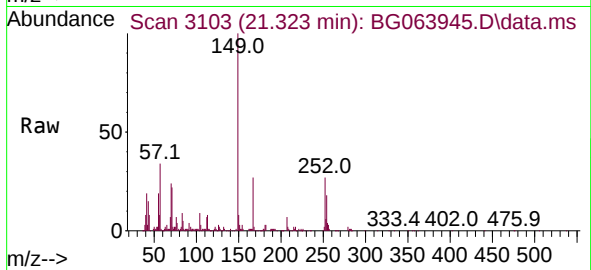
Tgt Ion:149 Resp: 106072

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# 3295

Delta R.T. -0.032 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

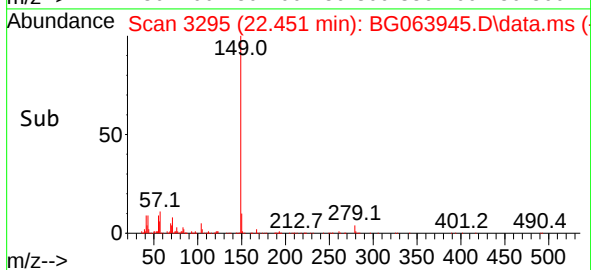
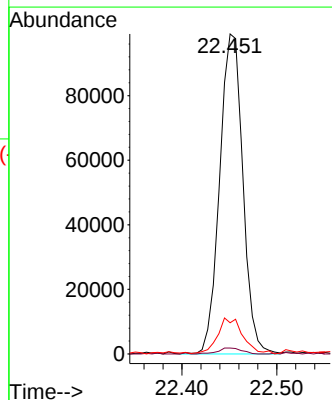
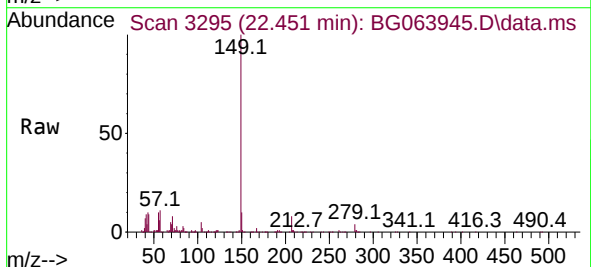
Tgt Ion:149 Resp: 168687

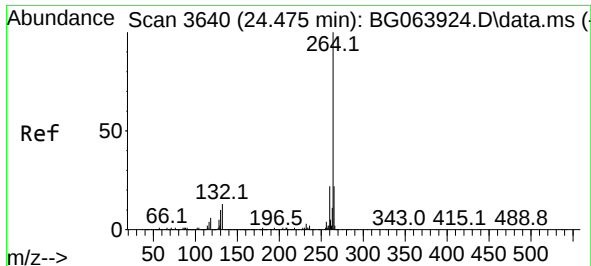
Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9

43 12.3 8.7 13.1

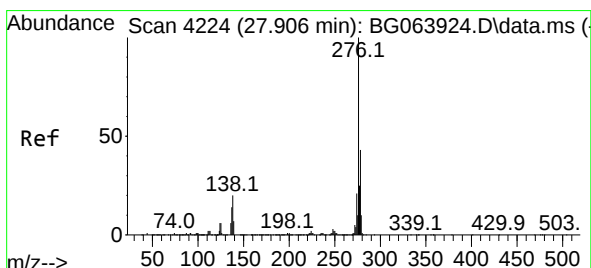
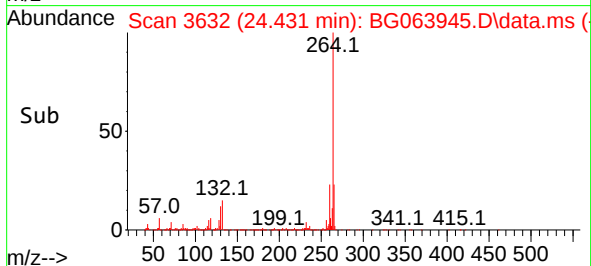
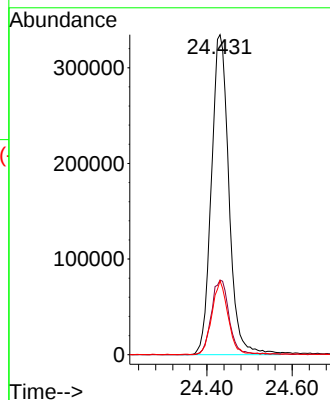
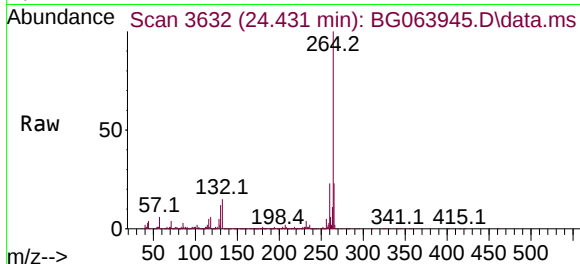




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.431 min Scan# 30
 Delta R.T. -0.044 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

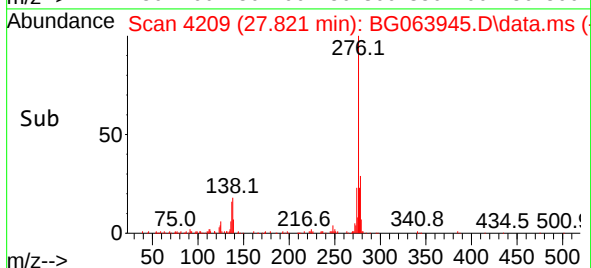
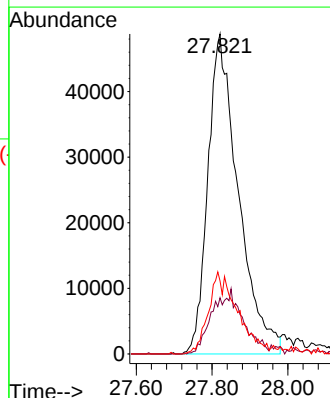
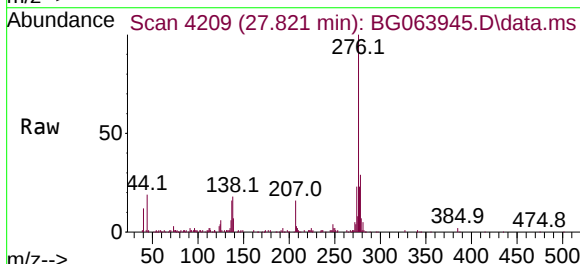
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

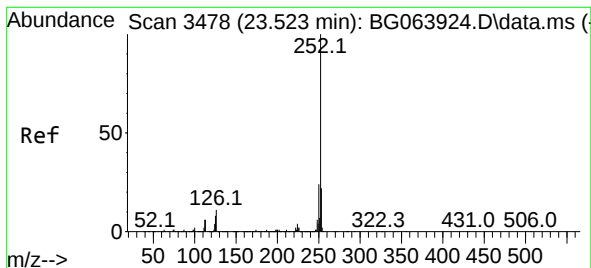
Tgt Ion:264 Resp: 954828
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.4 26.0
 265 23.1 17.8 26.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.098 ng
 RT: 27.821 min Scan# 4209
 Delta R.T. -0.085 min
 Lab File: BG063945.D
 Acq: 10 Jan 2025 10:46

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: 4.045 ng m

RT: 23.479 min Scan# 34

Delta R.T. -0.044 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

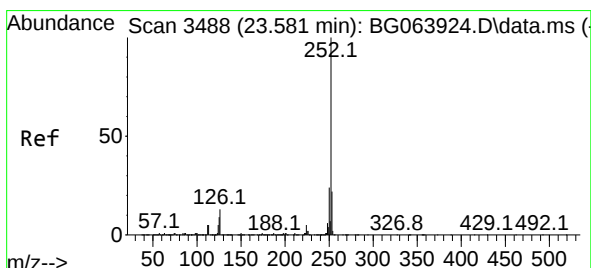
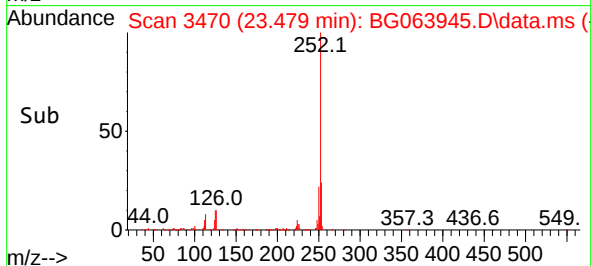
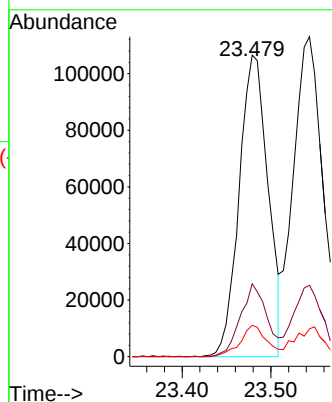
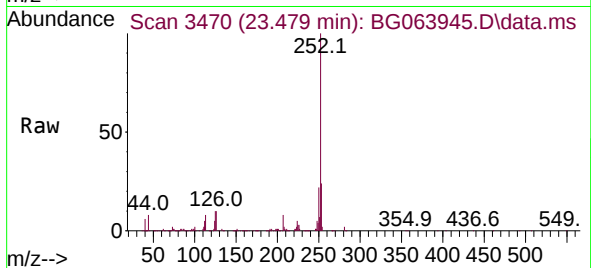
Tgt Ion:252 Resp: 241464

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

125 10.4 6.6 9.8#



#89

Benzo(k)fluoranthene

Concen: 4.586 ng

RT: 23.544 min Scan# 3481

Delta R.T. -0.038 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

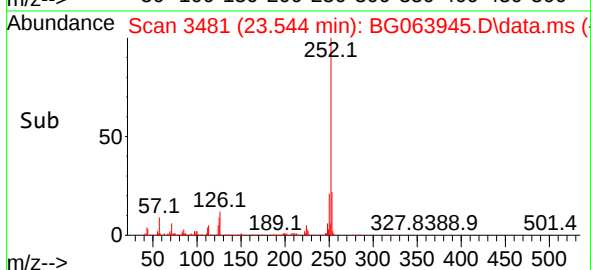
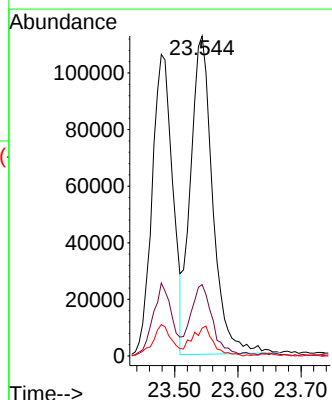
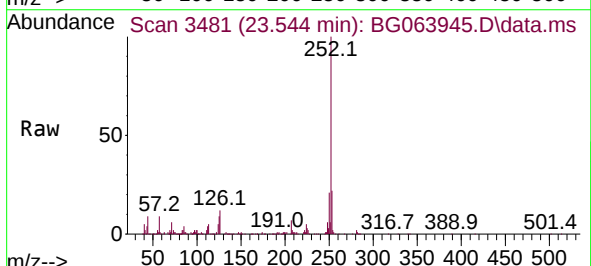
Tgt Ion:252 Resp: 274674

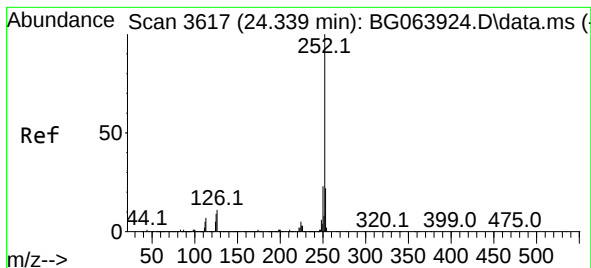
Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 8.7 7.2 10.8





#90

Benzo(a)pyrene

Concen: 4.376 ng

RT: 24.290 min Scan# 3

Delta R.T. -0.050 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

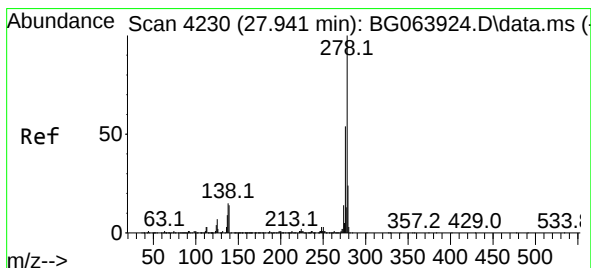
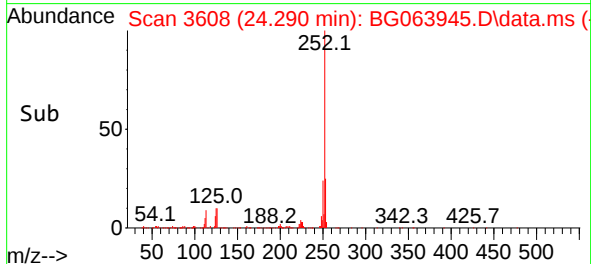
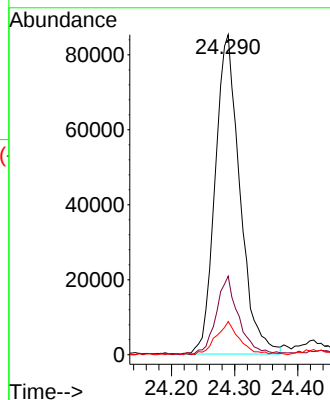
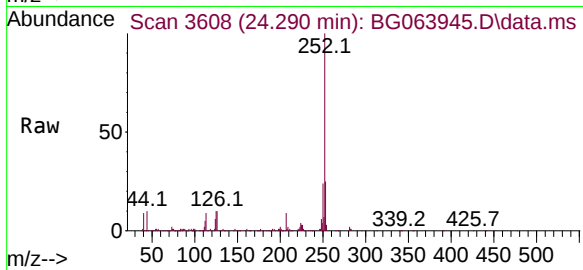
Tgt Ion:252 Resp: 231978

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# 4217

Delta R.T. -0.073 min

Lab File: BG063945.D

Acq: 10 Jan 2025 10:46

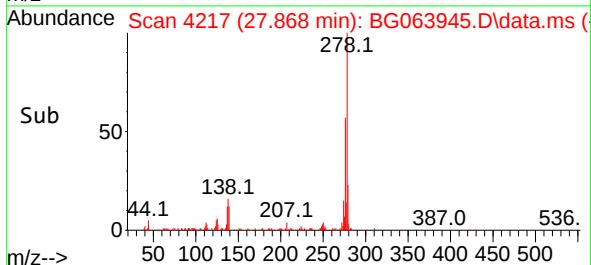
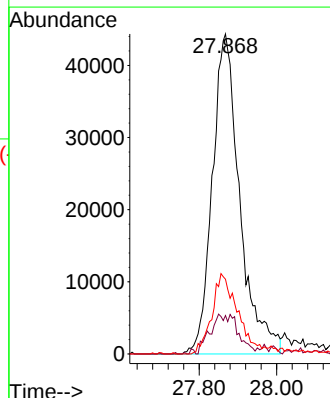
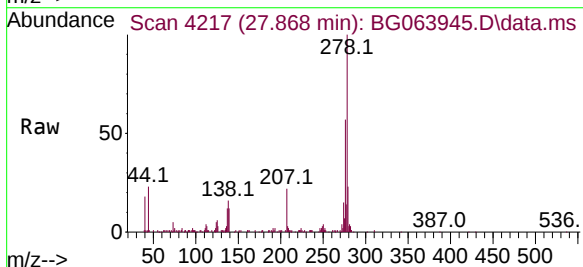
Tgt Ion:278 Resp: 217925

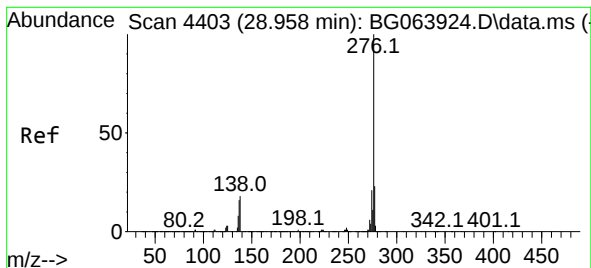
Ion Ratio Lower Upper

278 100

139 12.0 11.1 16.7

279 23.3 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 4.043 ng m

RT: 28.878 min Scan# 41

Delta R.T. -0.079 min

Lab File: BG063945.D

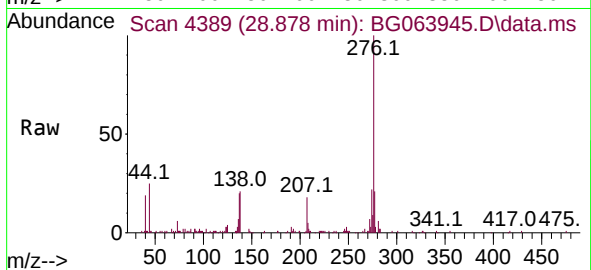
Acq: 10 Jan 2025 10:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion:276 Resp: 228244

Ion Ratio Lower Upper

276 100

277 21.1 18.7 28.1

138 20.8 14.4 21.6

