

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090324\
 Data File : BG062622.D
 Acq On : 3 Sep 2024 12:29
 Operator : MA/JU
 Sample : P3390-02
 Misc : LOQ--SOIL-10ng
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Quant Time: Sep 04 04:53:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	61755	20.000	ng	0.00
21) Naphthalene-d8	10.715	136	275764	20.000	ng	0.00
39) Acenaphthene-d10	14.546	164	227463	20.000	ng	0.00
64) Phenanthrene-d10	17.290	188	597466	20.000	ng	0.00
76) Chrysene-d12	21.538	240	609044	20.000	ng	0.00
86) Perylene-d12	24.605	264	663688	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	490533	137.301	ng	0.00
7) Phenol-d6	7.090	99	690042	133.697	ng	0.00
23) Nitrobenzene-d5	9.076	82	499928	97.635	ng	0.00
42) 2,4,6-Tribromophenol	16.038	330	467654	146.091	ng	0.00
45) 2-Fluorobiphenyl	13.171	172	1320443	94.030	ng	0.00
79) Terphenyl-d14	19.910	244	2635508	85.803	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.412	88	19165	12.877	ng	97
3) Pyridine	3.806	79	48643	11.343	ng	96
4) n-Nitrosodimethylamine	3.717	42	24949	11.967	ng	# 99
6) Aniline	7.249	93	64205	13.315	ng	# 89
8) 2-Chlorophenol	7.490	128	43678	11.387	ng	90
9) Benzaldehyde	7.061	77	44426	14.798	ng	97
10) Phenol	7.114	94	59537	11.395	ng	96
11) bis(2-Chloroethyl)ether	7.343	93	46335	11.583	ng	98
12) 1,3-Dichlorobenzene	7.813	146	48332	11.482	ng	97
13) 1,4-Dichlorobenzene	7.960	146	50216	11.592	ng	98
14) 1,2-Dichlorobenzene	8.277	146	47643	11.189	ng	97
15) Benzyl Alcohol	8.159	79	43504	11.392	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.441	45	85033	11.153	ng	99
17) 2-Methylphenol	8.365	107	37562	10.313	ng	94
18) Hexachloroethane	9.000	117	17741	10.923	ng	96
19) n-Nitroso-di-n-propyla...	8.717	70	45326	11.145	ng	92
20) 3+4-Methylphenols	8.688	107	52819	9.830	ng	98
22) Acetophenone	8.735	105	84948	11.419	ng	# 97
24) Nitrobenzene	9.117	77	62304	11.444	ng	98
25) Isophorone	9.640	82	130853	11.642	ng	99
26) 2-Nitrophenol	9.828	139	22716	11.043	ng	90
27) 2,4-Dimethylphenol	9.887	122	20707	6.870	ng	93
28) bis(2-Chloroethoxy)met...	10.122	93	69515	11.553	ng	99
29) 2,4-Dichlorophenol	10.363	162	46319	10.991	ng	97
30) 1,2,4-Trichlorobenzene	10.580	180	57164	11.442	ng	97
31) Naphthalene	10.768	128	155574	11.382	ng	99
32) Benzoic acid	9.992	122	50430	15.556	ng	97
33) 4-Chloroaniline	10.874	127	65509	12.179	ng	97
34) Hexachlorobutadiene	11.056	225	37433	10.728	ng	94
35) Caprolactam	11.626	113	17991	11.074	ng	92
36) 4-Chloro-3-methylphenol	11.996	107	54534	10.728	ng	99
37) 2-Methylnaphthalene	12.372	142	119941	11.314	ng	95
38) 1-Methylnaphthalene	12.589	142	116742	10.967	ng	96
40) 1,2,4,5-Tetrachloroben...	12.742	216	80605	11.783	ng	98
41) Hexachlorocyclopentadiene	12.725	237	21121	10.822	ng	92
43) 2,4,6-Trichlorophenol	12.977	196	49675	11.455	ng	97

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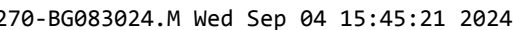
Instrument :
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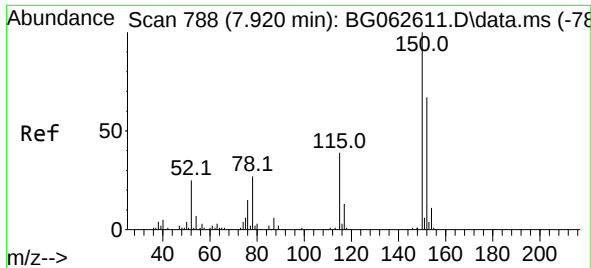
Quant Time: Sep 04 04:53:33 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.048	196	53302	10.854	ng	96
46) 1,1'-Biphenyl	13.383	154	178840	11.785	ng	99
47) 2-Chloronaphthalene	13.424	162	139980	11.382	ng	99
48) 2-Nitroaniline	13.624	65	34645	10.710	ng	97
49) Acenaphthylene	14.270	152	224114	12.305	ng	99
50) Dimethylphthalate	14.000	163	192738	11.588	ng	98
51) 2,6-Dinitrotoluene	14.117	165	33452	10.633	ng	97
52) Acenaphthene	14.611	154	130784	11.487	ng	97
53) 3-Nitroaniline	14.446	138	33913	11.140	ng	97
54) 2,4-Dinitrophenol	14.652	184	22677	12.844	ng	91
55) Dibenzofuran	14.945	168	231497	11.856	ng	96
56) 4-Nitrophenol	14.757	139	63503	24.615	ng	94
57) 2,4-Dinitrotoluene	14.904	165	45543	10.610	ng	97
58) Fluorene	15.598	166	178623	11.657	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.175	232	54920	11.805	ng	# 98
60) Diethylphthalate	15.363	149	187657	11.383	ng	98
61) 4-Chlorophenyl-phenyle...	15.592	204	102887	11.696	ng	95
62) 4-Nitroaniline	15.604	138	37827	11.270	ng	90
63) Azobenzene	15.880	77	179315	11.584	ng	99
65) 4,6-Dinitro-2-methylph...	15.668	198	26085	9.783	ng	89
66) n-Nitrosodiphenylamine	15.803	169	163070	11.352	ng	99
67) 4-Bromophenyl-phenylether	16.485	248	69998	11.352	ng	95
68) Hexachlorobenzene	16.596	284	84858	11.620	ng	96
69) Atrazine	16.749	200	72112	14.780	ng	97
70) Pentachlorophenol	16.943	266	100040	21.389	ng	97
71) Phenanthrene	17.331	178	339325	12.168	ng	99
72) Anthracene	17.425	178	323625	11.803	ng	97
73) Carbazole	17.689	167	295543	11.725	ng	99
74) Di-n-butylphthalate	18.259	149	322060	11.329	ng	100
75) Fluoranthene	19.346	202	417690	11.843	ng	99
77) Benzidine	19.522	184	114917	10.469	ng	98
78) Pyrene	19.705	202	439108	11.342	ng	99
80) Butylbenzylphthalate	20.598	149	116834	10.274	ng	97
81) Benzo(a)anthracene	21.514	228	450402	11.725	ng	98
82) 3,3'-Dichlorobenzidine	21.438	252	153915	12.299	ng	98
83) Chrysene	21.579	228	425569	11.566	ng	100
84) Bis(2-ethylhexyl)phtha...	21.438	149	185597	10.743	ng	99
85) Di-n-octyl phthalate	22.601	149	314453	10.396	ng	99
87) Indeno(1,2,3-cd)pyrene	28.071	276	507740	11.931	ng	99
88) Benzo(b)fluoranthene	23.635	252	420532	11.472	ng	98
89) Benzo(k)fluoranthene	23.700	252	430477	12.005	ng	99
90) Benzo(a)pyrene	24.464	252	386712	11.941	ng	99
91) Dibenzo(a,h)anthracene	28.124	278	416025	11.867	ng	97
92) Benzo(g,h,i)perylene	29.158	276	396358	11.212	ng	95

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

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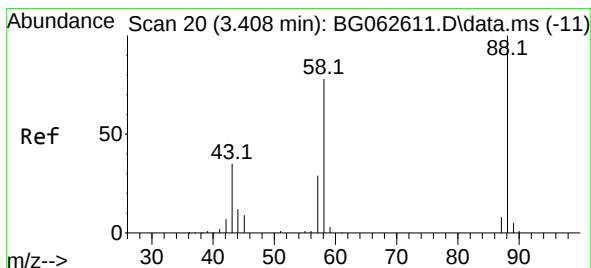
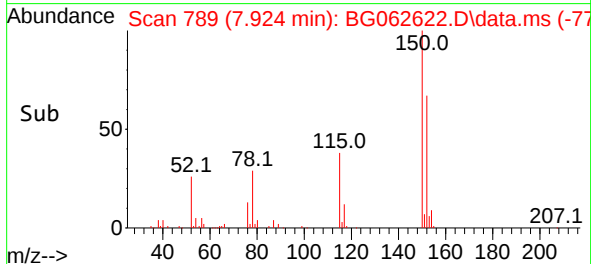
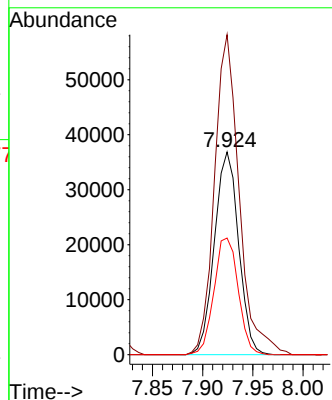
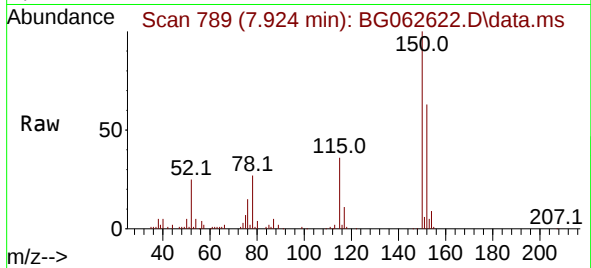




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.924 min Scan# 71
 Delta R.T. 0.004 min
 Lab File: BG062622.D
 Acq: 3 Sep 2024 12:29

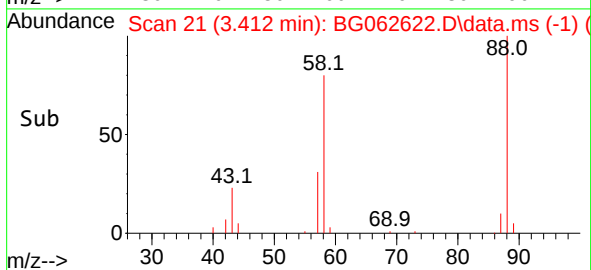
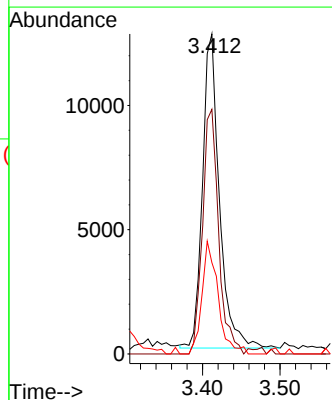
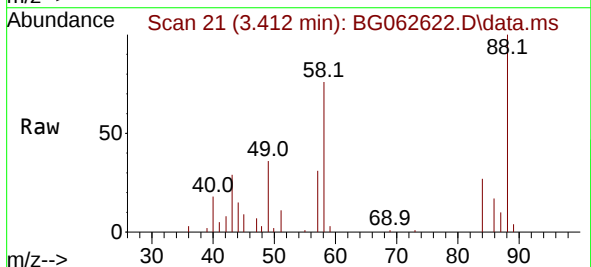
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

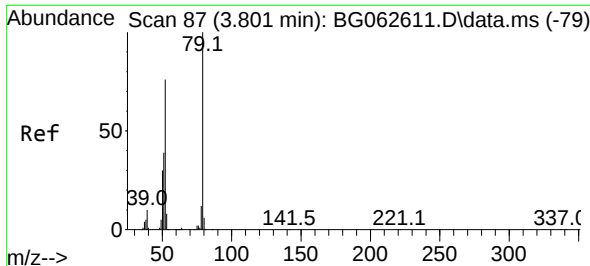
Tgt Ion:152 Resp: 61755
 Ion Ratio Lower Upper
 152 100
 150 157.9 119.9 179.9
 115 57.6 46.6 69.8



#2
 1,4-Dioxane
 Concen: 12.877 ng
 RT: 3.412 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG062622.D
 Acq: 3 Sep 2024 12:29

Tgt Ion: 88 Resp: 19165
 Ion Ratio Lower Upper
 88 100
 58 74.1 62.3 93.5
 43 34.2 27.5 41.3





#3

Pyridine

Concen: 11.343 ng

RT: 3.806 min Scan# 87

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

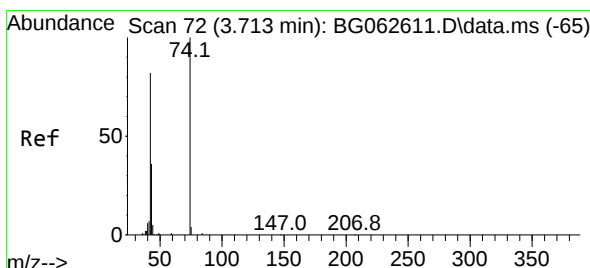
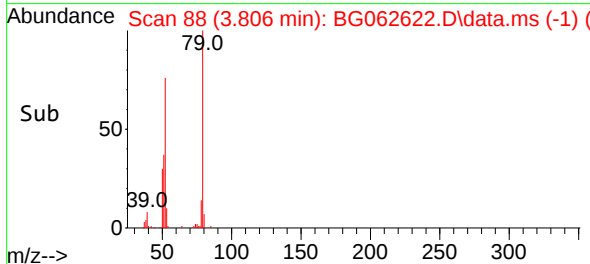
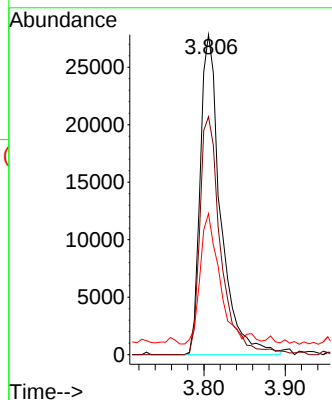
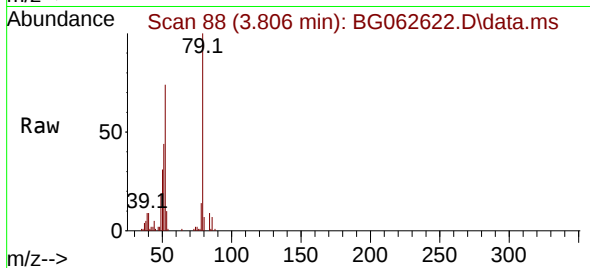
Tgt Ion: 79 Resp: 48643

Ion Ratio Lower Upper

79 100

52 74.4 60.9 91.3

51 44.1 31.5 47.3



#4

n-Nitrosodimethylamine

Concen: 11.967 ng

RT: 3.717 min Scan# 73

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

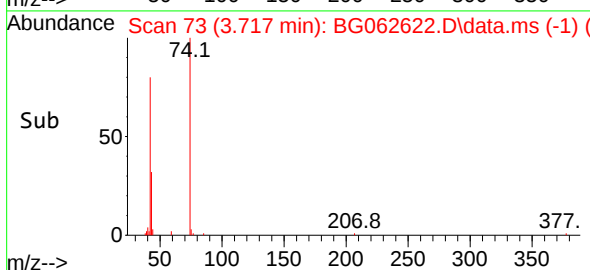
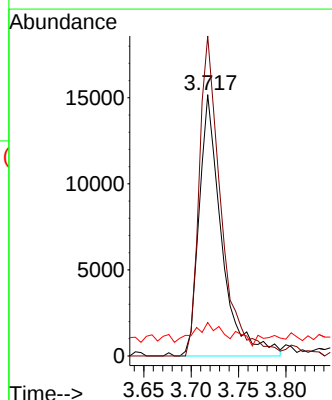
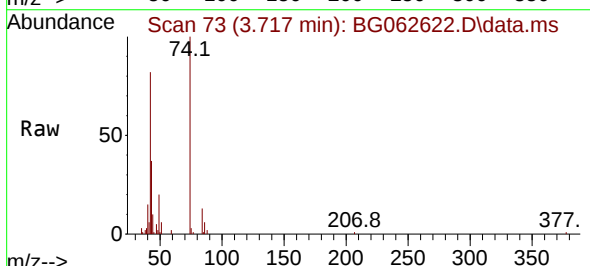
Tgt Ion: 42 Resp: 24949

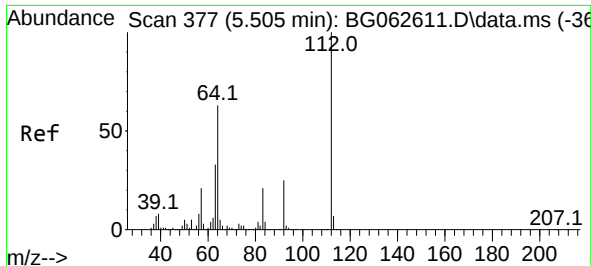
Ion Ratio Lower Upper

42 100

74 122.4 98.0 147.0

44 12.8 7.4 11.2#

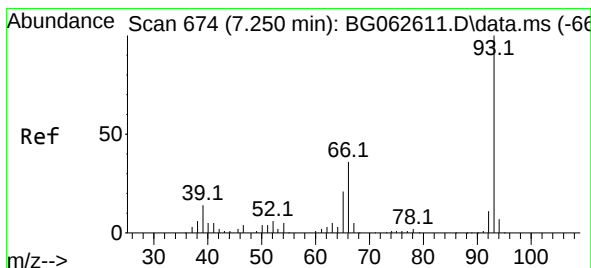
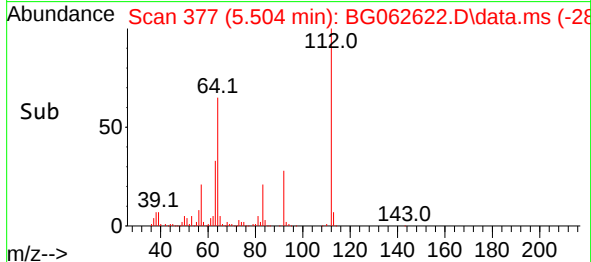
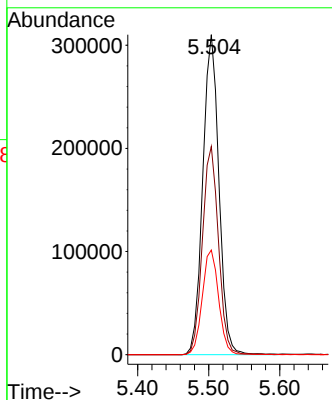
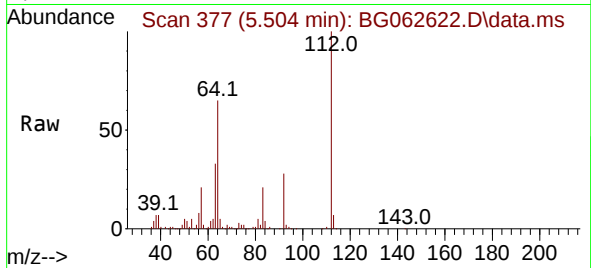




#5
2-Fluorophenol
Concen: 137.301 ng
RT: 5.504 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

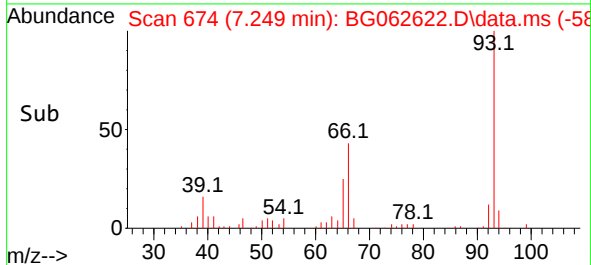
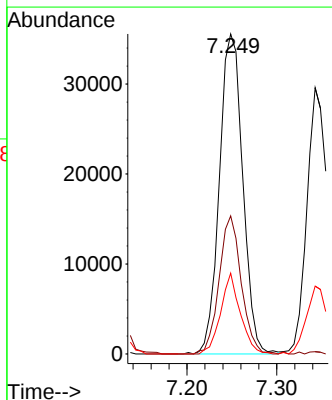
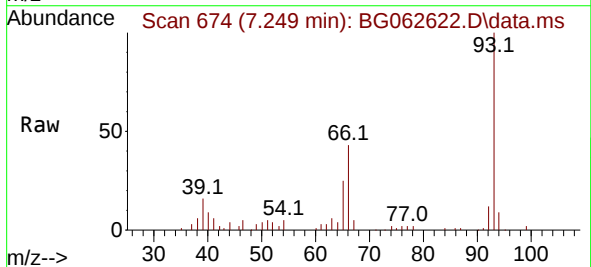
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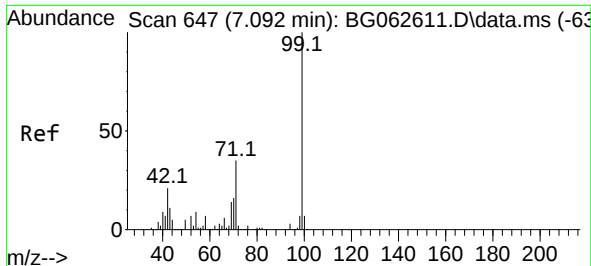
Tgt Ion:112 Resp: 490533
Ion Ratio Lower Upper
112 100
64 65.0 50.2 75.2
63 32.7 26.6 39.8



#6
Aniline
Concen: 13.315 ng
RT: 7.249 min Scan# 674
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion: 93 Resp: 64205
Ion Ratio Lower Upper
93 100
66 43.1 29.1 43.7
65 25.3 16.6 25.0#

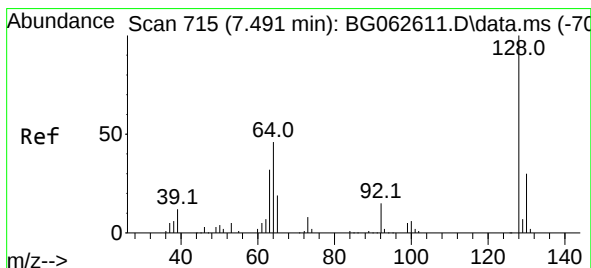
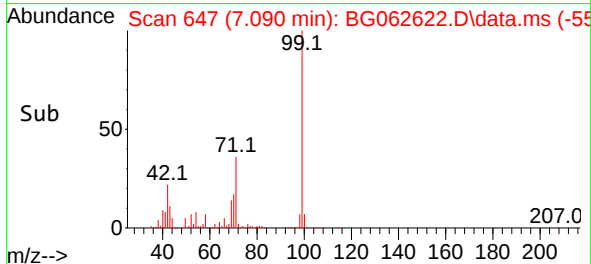
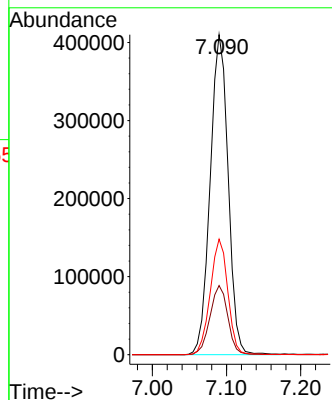
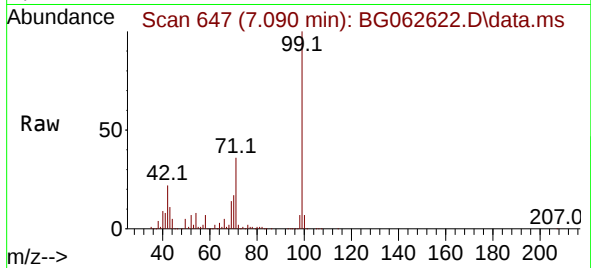




#7
Phenol-d6
Concen: 133.697 ng
RT: 7.090 min Scan# 647
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

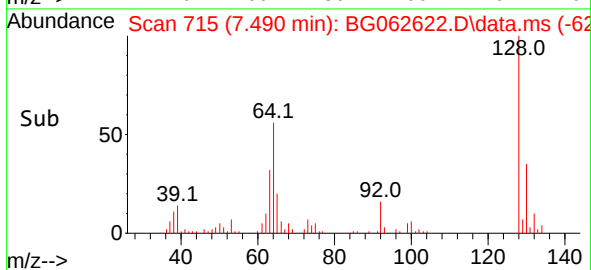
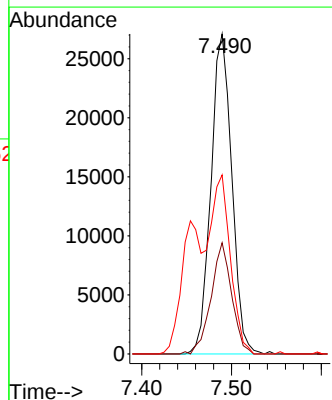
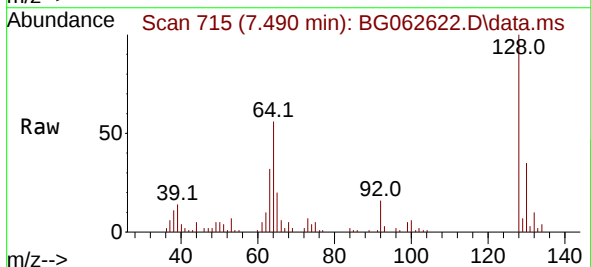
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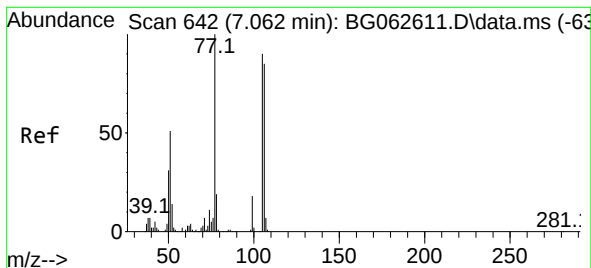
Tgt Ion: 99 Resp: 690042
Ion Ratio Lower Upper
99 100
42 21.6 16.9 25.3
71 36.1 27.9 41.9



#8
2-Chlorophenol
Concen: 11.387 ng
RT: 7.490 min Scan# 715
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:128 Resp: 43678
Ion Ratio Lower Upper
128 100
130 34.7 10.0 50.0
64 55.9 28.8 68.8





#9

Benzaldehyde

Concen: 14.798 ng

RT: 7.061 min Scan# 642

Delta R.T. -0.001 min

Lab File: BG062622.D

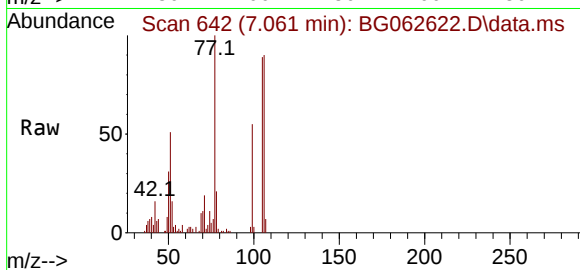
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Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024



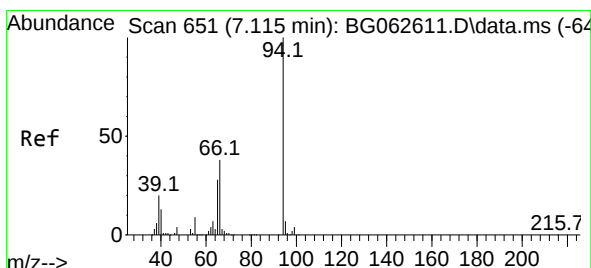
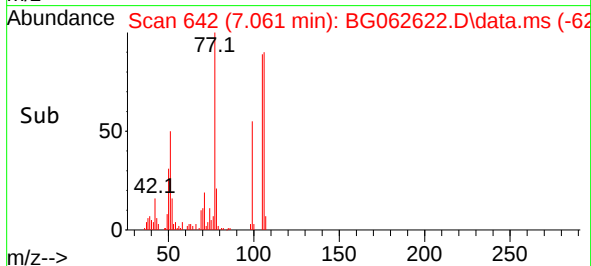
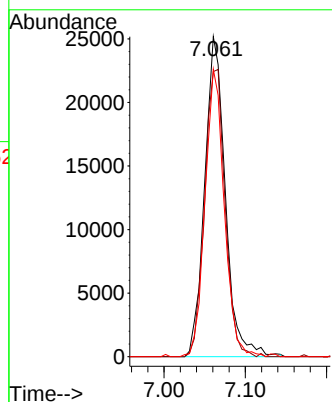
Tgt Ion: 77 Resp: 44426

Ion Ratio Lower Upper

77 100

105 89.1 70.2 110.2

106 89.8 65.4 105.4



#10

Phenol

Concen: 11.395 ng

RT: 7.114 min Scan# 651

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

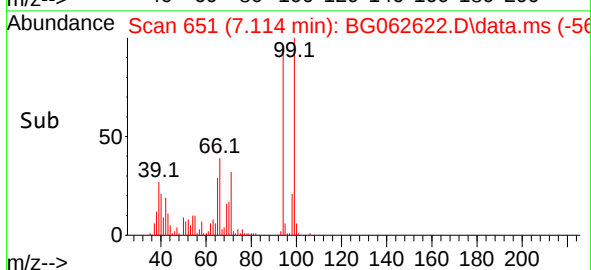
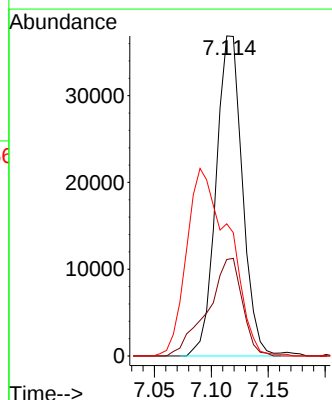
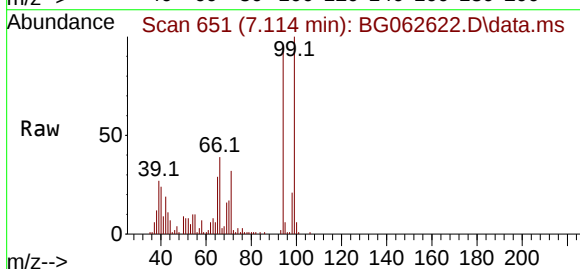
Tgt Ion: 94 Resp: 59537

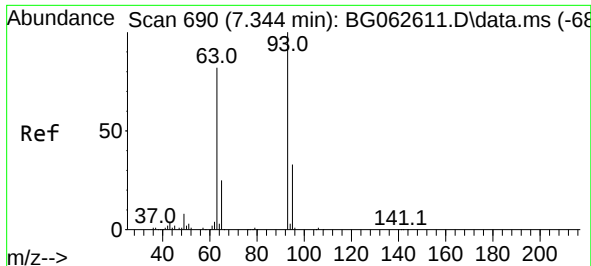
Ion Ratio Lower Upper

94 100

65 30.1 8.6 48.6

66 41.3 18.2 58.2

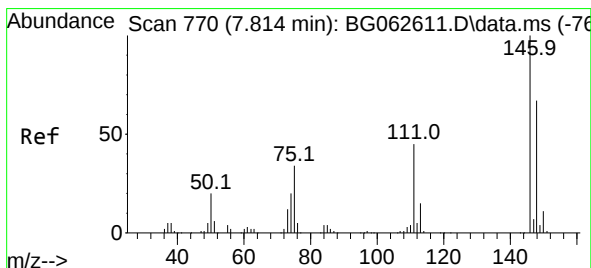
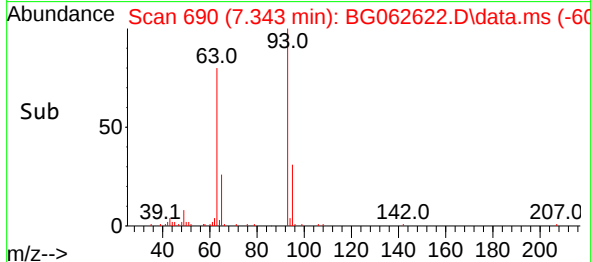
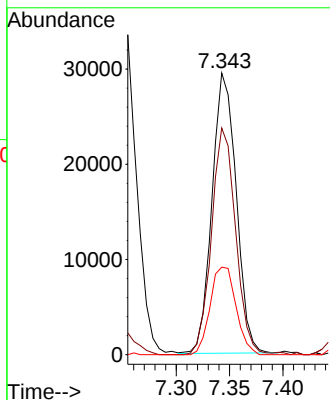
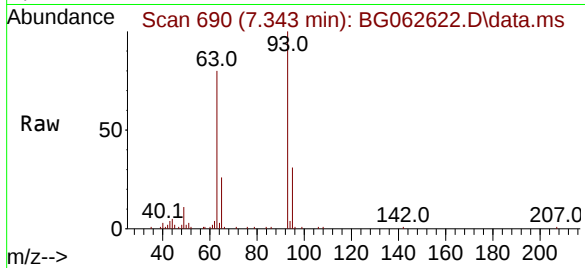




#11
bis(2-Chloroethyl)ether
Concen: 11.583 ng
RT: 7.343 min Scan# 690
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

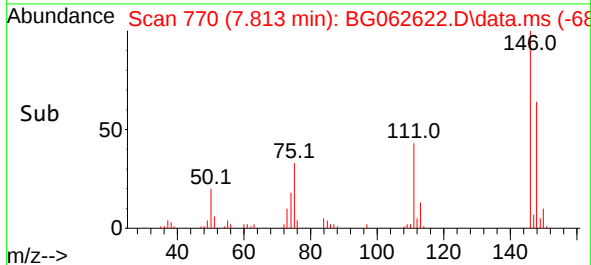
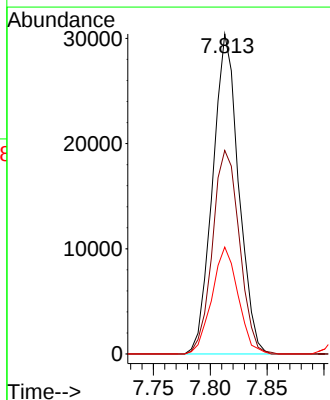
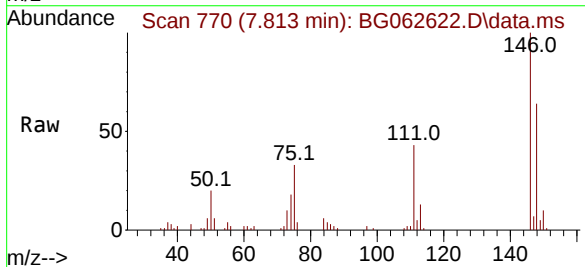
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

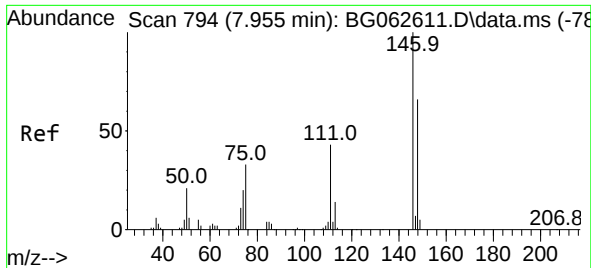
Tgt Ion:	93	Resp:	46335
Ion	Ratio	Lower	Upper
93	100		
63	80.5	61.9	101.9
95	31.1	12.9	52.9



#12
1,3-Dichlorobenzene
Concen: 11.482 ng
RT: 7.813 min Scan# 770
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:	146	Resp:	48332
Ion	Ratio	Lower	Upper
146	100		
148	63.6	53.9	80.9
75	33.4	27.0	40.4

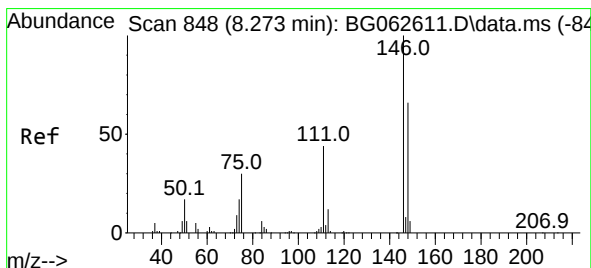
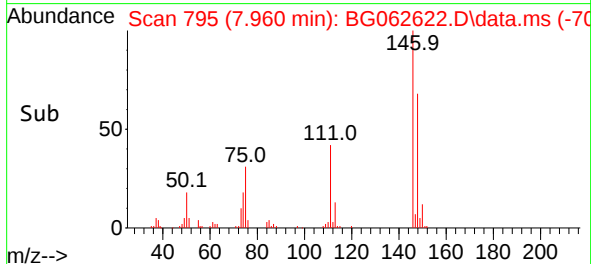
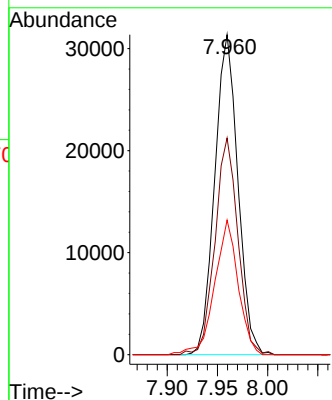
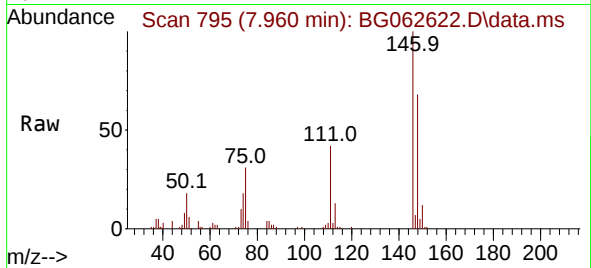




#13
1,4-Dichlorobenzene
Concen: 11.592 ng
RT: 7.960 min Scan# 794
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

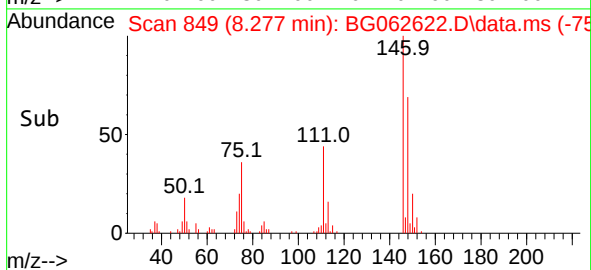
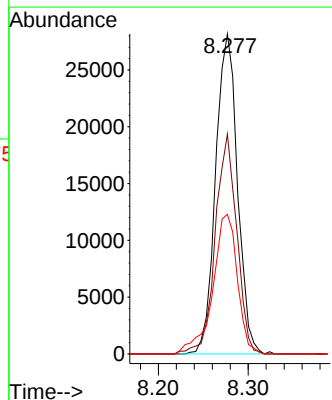
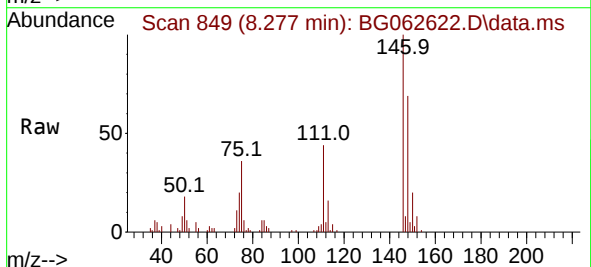
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

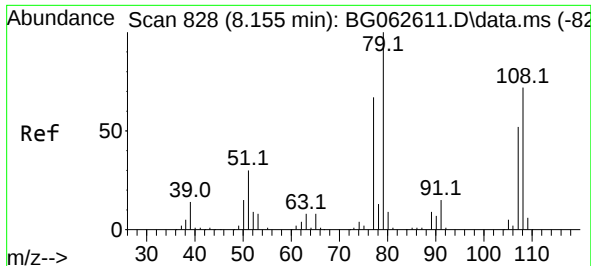
Tgt Ion:146 Resp: 50216
Ion Ratio Lower Upper
146 100
148 67.7 53.0 79.6
111 42.0 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 11.189 ng
RT: 8.277 min Scan# 849
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:146 Resp: 47643
Ion Ratio Lower Upper
146 100
148 68.7 52.5 78.7
111 43.6 35.5 53.3

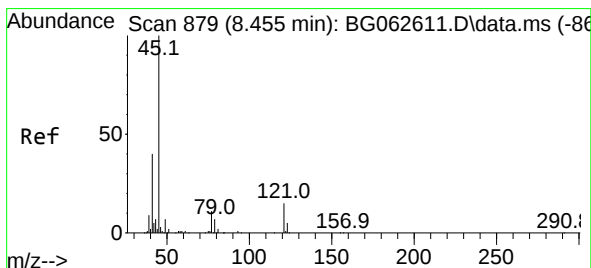
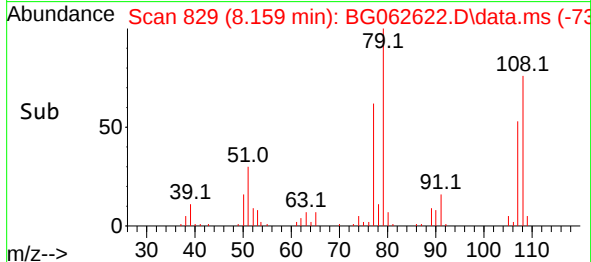
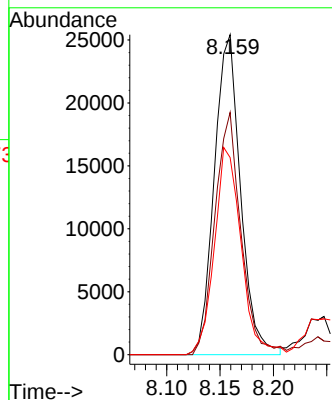
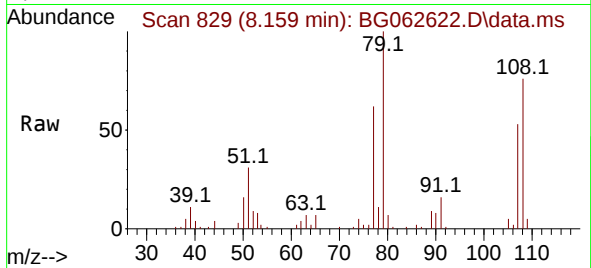




#15
Benzyl Alcohol
Concen: 11.392 ng
RT: 8.159 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

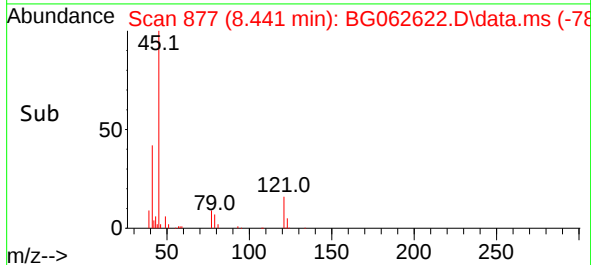
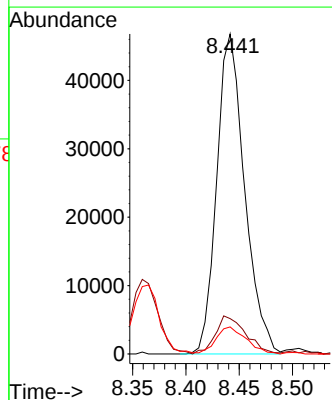
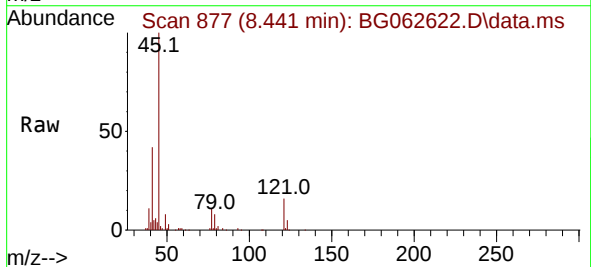
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

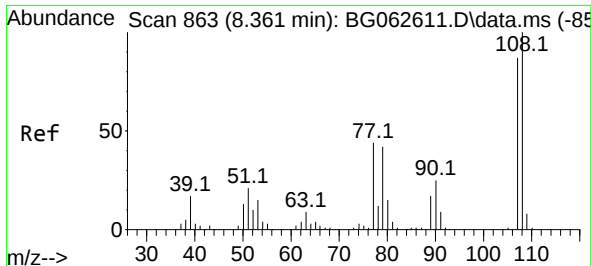
Tgt Ion: 79 Resp: 43504
Ion Ratio Lower Upper
79 100
108 75.7 57.9 86.9
77 61.6 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.153 ng
RT: 8.441 min Scan# 877
Delta R.T. -0.013 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion: 45 Resp: 85033
Ion Ratio Lower Upper
45 100
77 11.1 0.0 31.7
79 8.5 0.0 28.3

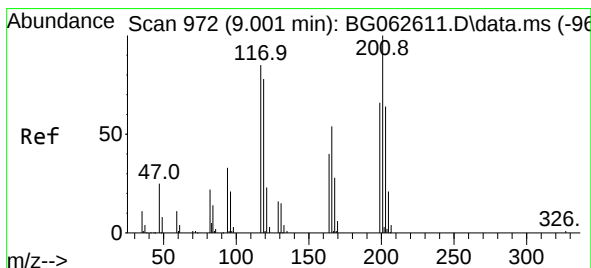
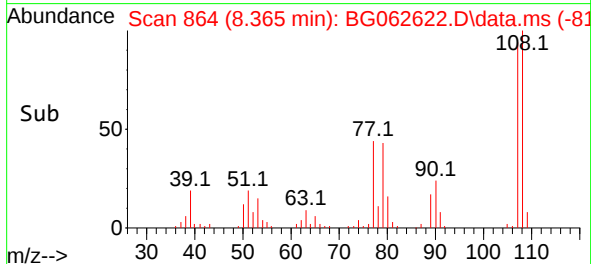
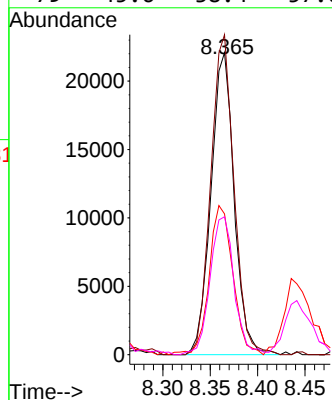
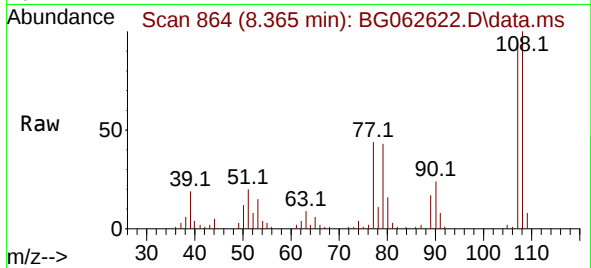




#17
2-Methylphenol
Concen: 10.313 ng
RT: 8.365 min Scan# 863
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

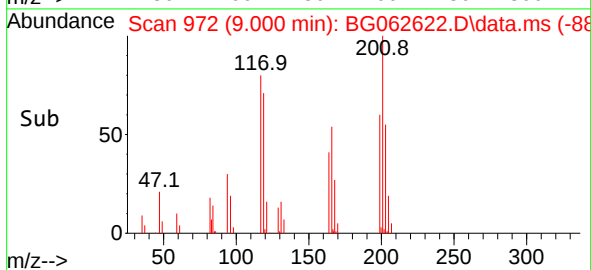
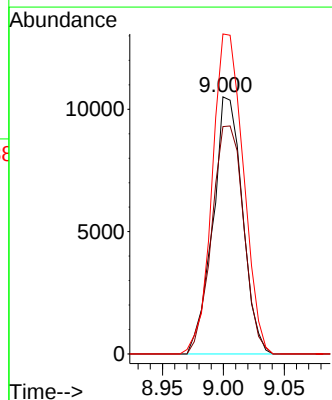
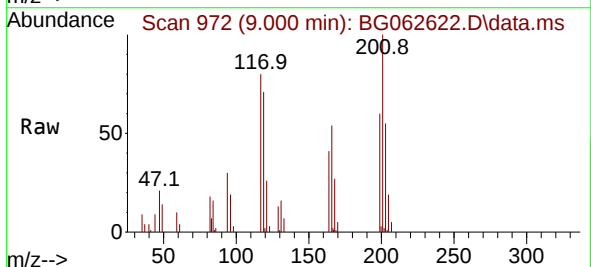
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

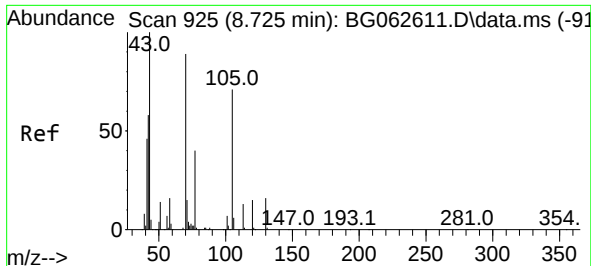
Tgt Ion:	107	Resp:	37562
Ion	Ratio	Lower	Upper
107	100		
108	105.9	91.5	137.3
77	46.6	40.0	60.0
79	45.6	38.4	57.6



#18
Hexachloroethane
Concen: 10.923 ng
RT: 9.000 min Scan# 972
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:	117	Resp:	17741
Ion	Ratio	Lower	Upper
117	100		
119	90.7	73.4	110.0
201	124.4	93.9	140.9



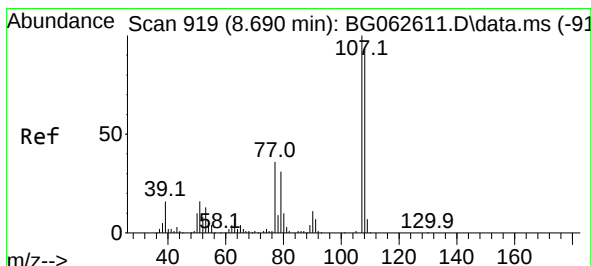
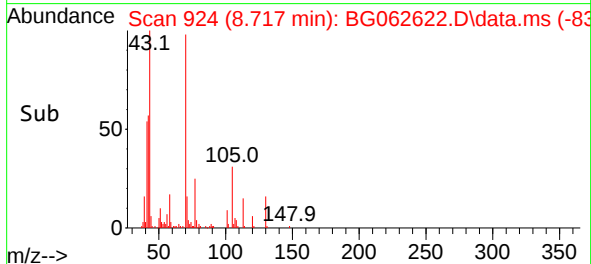
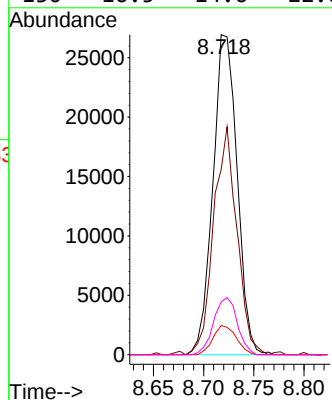
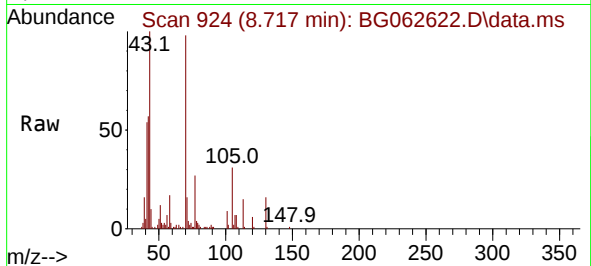


#19
n-Nitroso-di-n-propylamine
Concen: 11.145 ng
RT: 8.717 min Scan# 919
Delta R.T. -0.008 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion: 70 Resp: 45326

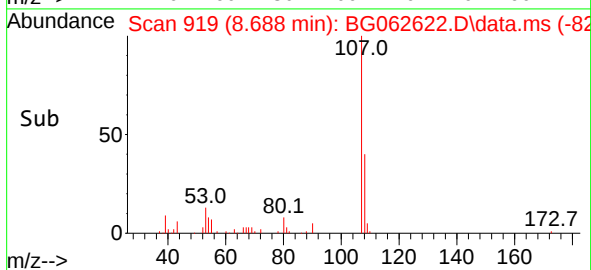
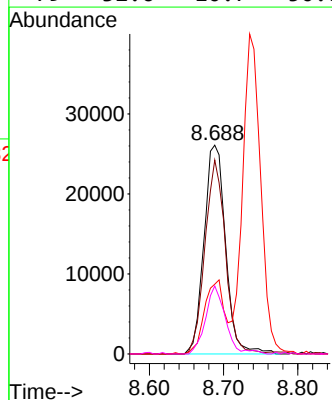
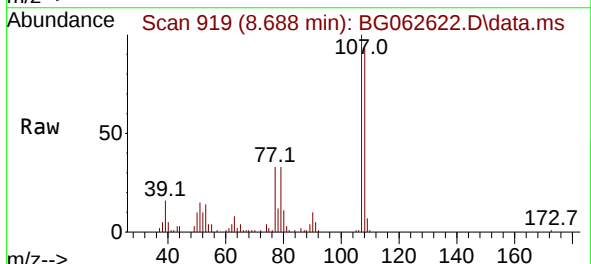
Ion	Ratio	Lower	Upper
70	100		
42	57.9	52.3	78.5
101	9.1	6.6	9.8
130	16.5	14.6	22.0

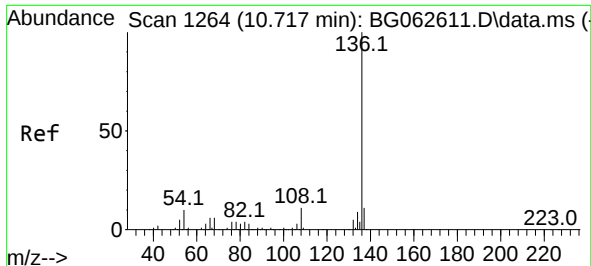


#20
3+4-Methylphenols
Concen: 9.830 ng
RT: 8.688 min Scan# 919
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion: 107 Resp: 52819

Ion	Ratio	Lower	Upper
107	100		
108	92.9	72.7	112.7
77	33.4	16.5	56.5
79	32.6	10.7	50.7

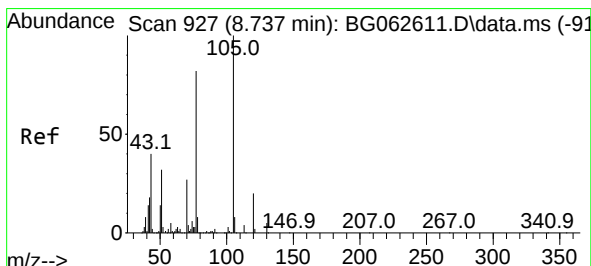
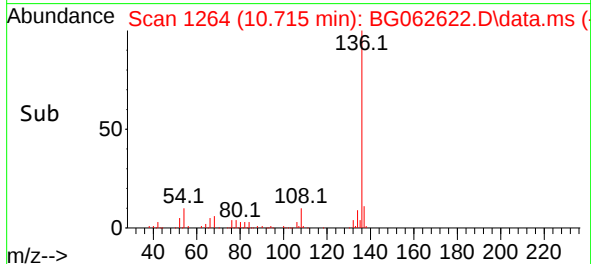
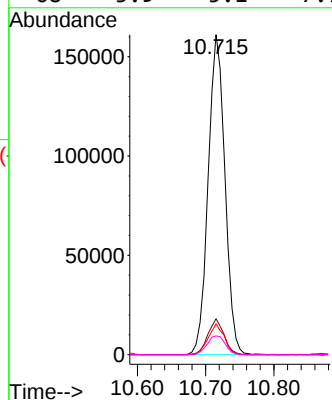
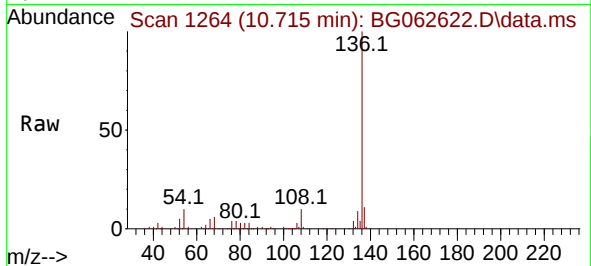




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.715 min Scan# 1264
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

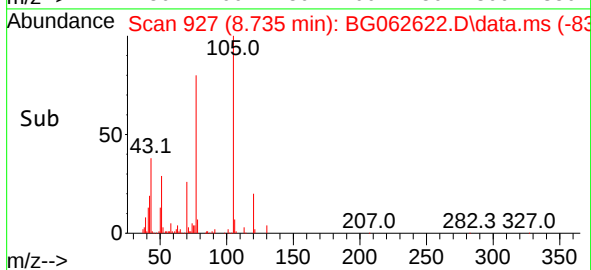
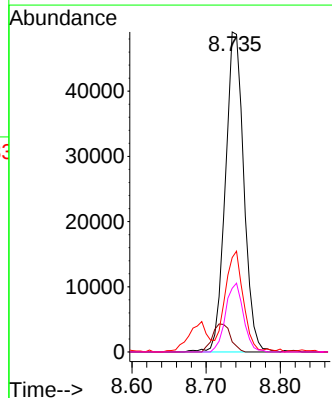
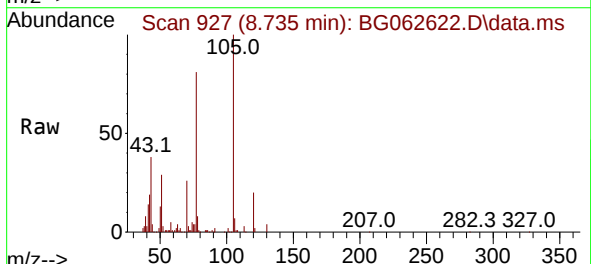
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2024

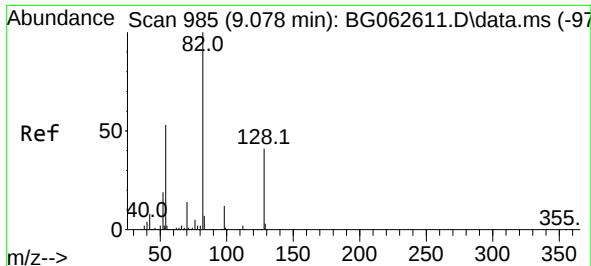
Tgt Ion:	136	Resp:	275764
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	9.6	7.8	11.6
68	5.9	5.1	7.7



#22
Acetophenone
Concen: 11.419 ng
RT: 8.735 min Scan# 927
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:	105	Resp:	84948
Ion Ratio	Lower	Upper	
105	100		
71	3.2	3.5	5.3#
51	29.5	25.7	38.5
120	19.9	15.7	23.5

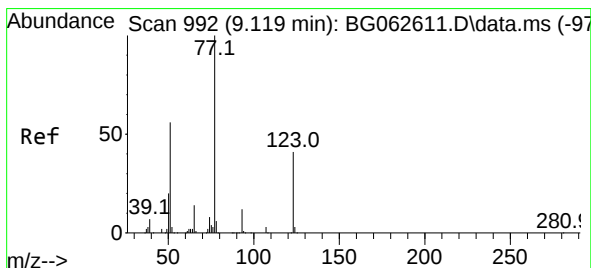
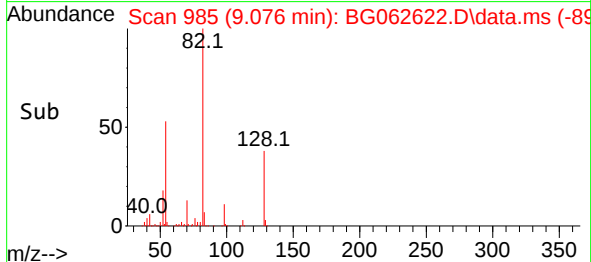
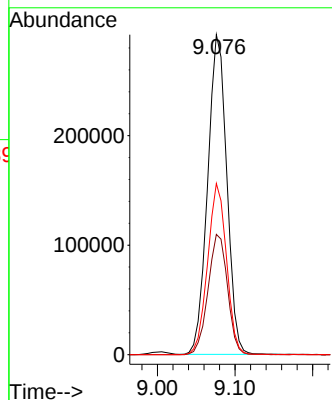
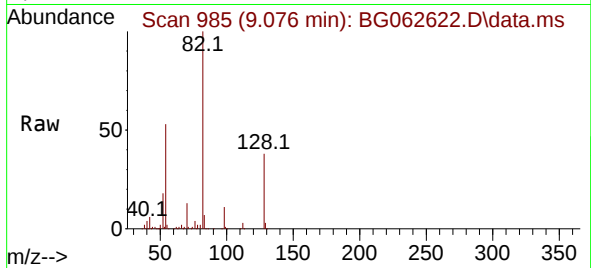




#23
Nitrobenzene-d5
Concen: 97.635 ng
RT: 9.076 min Scan# 91
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

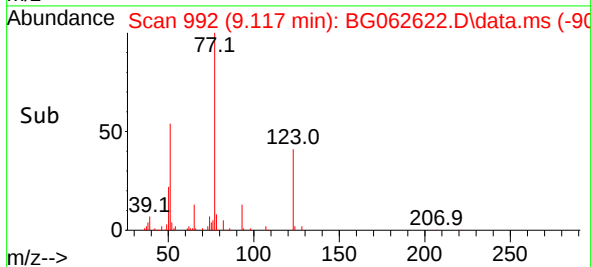
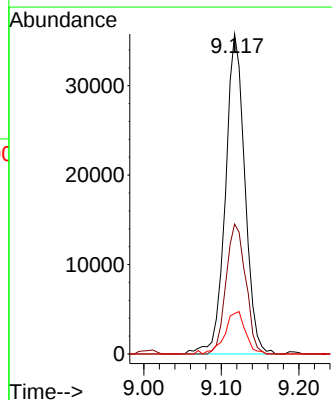
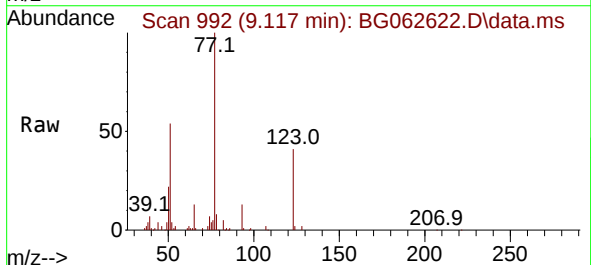
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

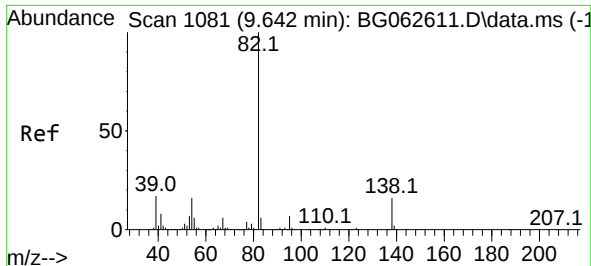
Tgt Ion: 82 Resp: 499928
Ion Ratio Lower Upper
82 100
128 37.6 32.5 48.7
54 53.5 42.5 63.7



#24
Nitrobenzene
Concen: 11.444 ng
RT: 9.117 min Scan# 992
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion: 77 Resp: 62304
Ion Ratio Lower Upper
77 100
123 40.6 33.1 49.7
65 12.6 11.0 16.4





#25

Isophorone

Concen: 11.642 ng

RT: 9.640 min Scan# 1081

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

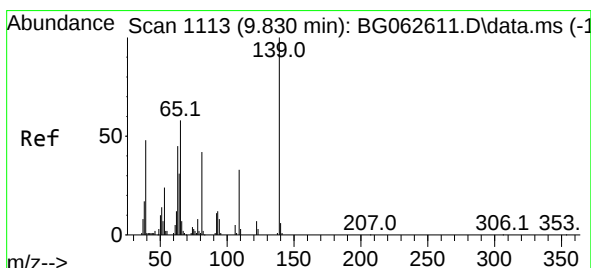
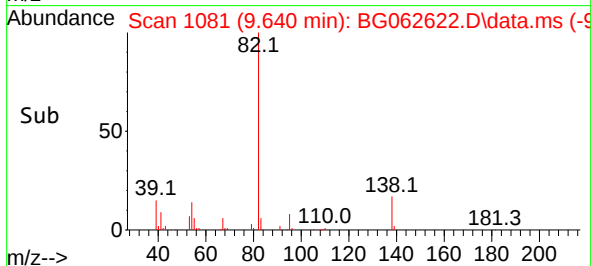
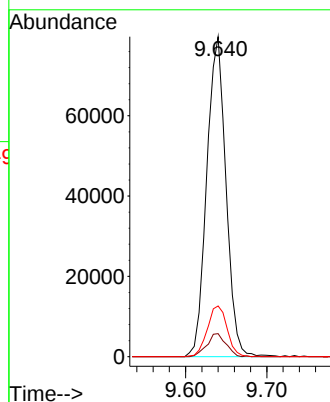
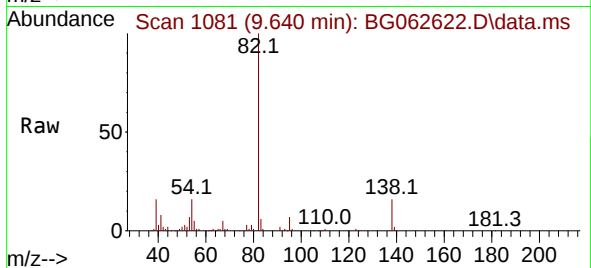
Tgt Ion: 82 Resp: 130853

Ion Ratio Lower Upper

82 100

95 7.2 5.4 8.0

138 15.9 12.6 18.8



#26

2-Nitrophenol

Concen: 11.043 ng

RT: 9.828 min Scan# 1113

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

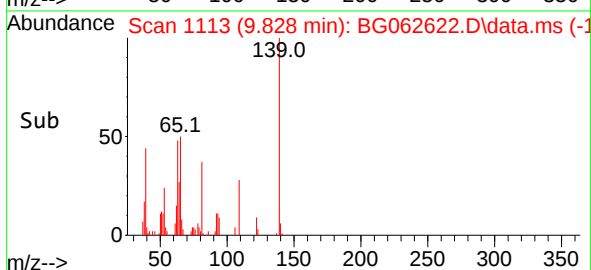
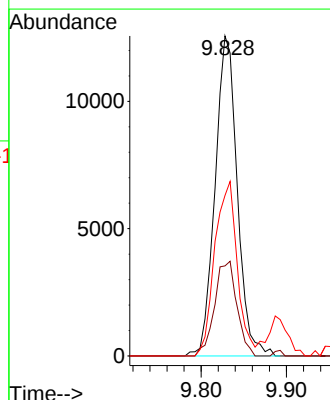
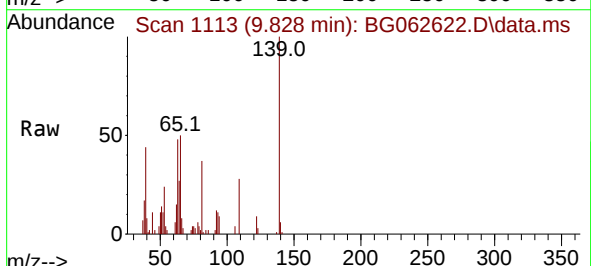
Tgt Ion:139 Resp: 22716

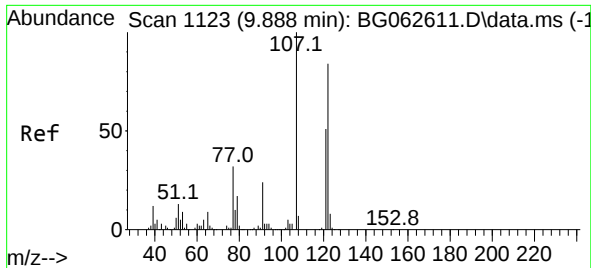
Ion Ratio Lower Upper

139 100

109 28.2 26.6 39.8

65 50.2 46.5 69.7





#27

2,4-Dimethylphenol

Concen: 6.870 ng

RT: 9.887 min Scan# 1123

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

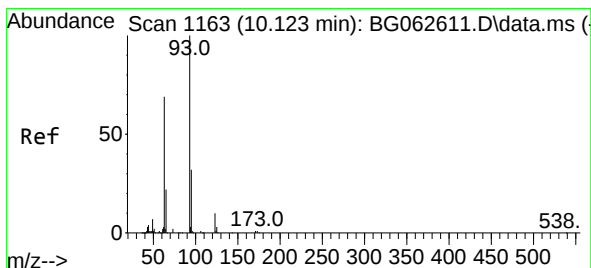
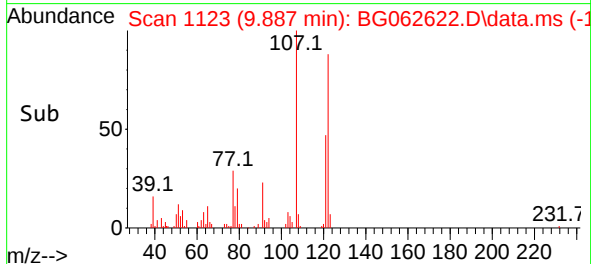
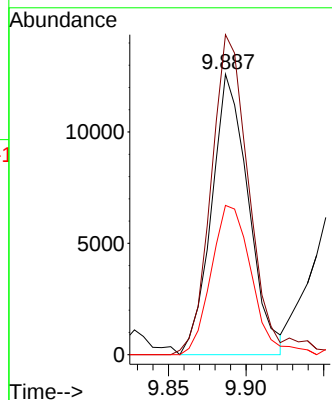
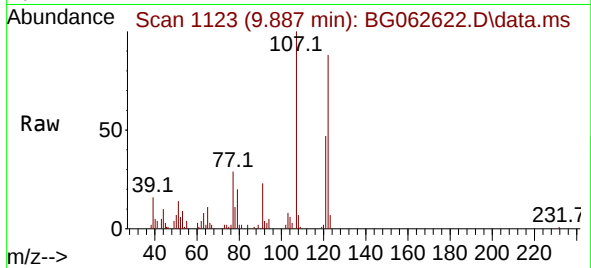
Tgt Ion:122 Resp: 20707

Ion Ratio Lower Upper

122 100

107 114.1 95.8 143.6

121 53.2 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 11.553 ng

RT: 10.122 min Scan# 1163

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

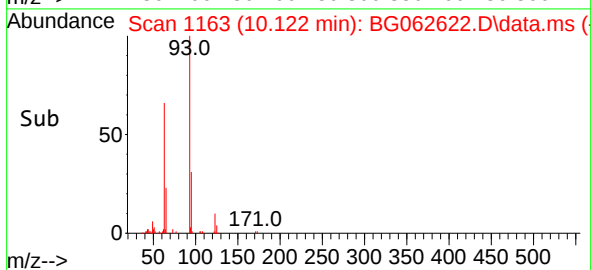
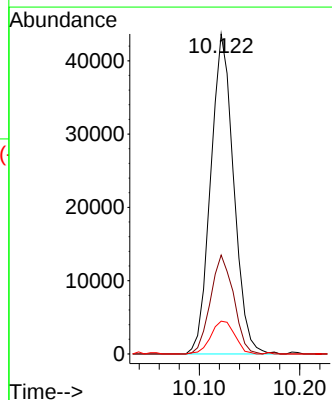
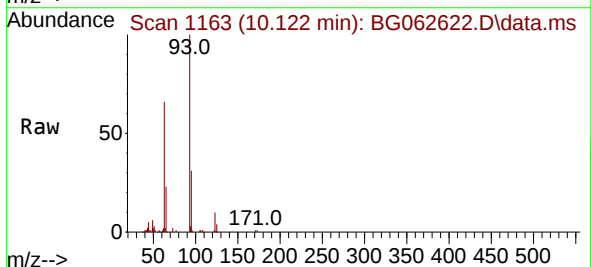
Tgt Ion: 93 Resp: 69515

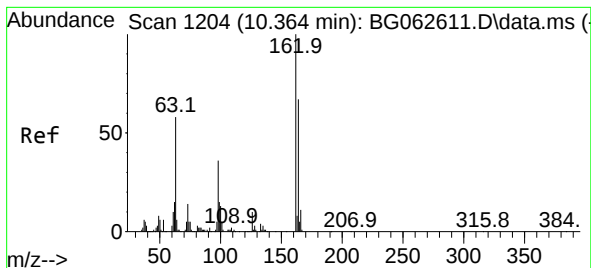
Ion Ratio Lower Upper

93 100

95 30.9 25.4 38.0

123 10.3 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 10.991 ng

RT: 10.363 min Scan# 1204

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

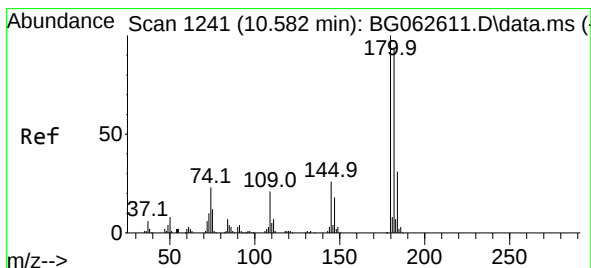
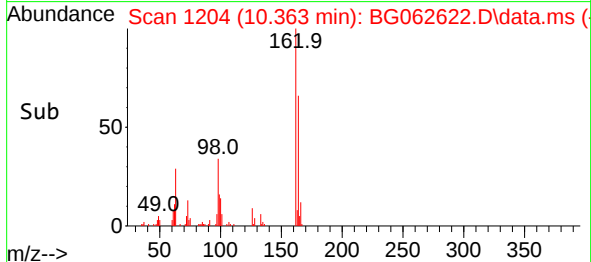
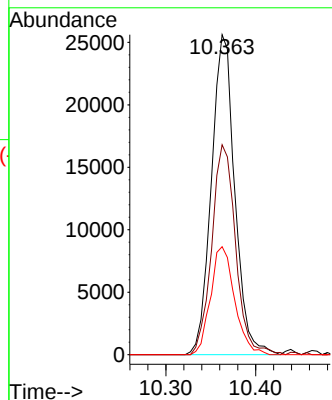
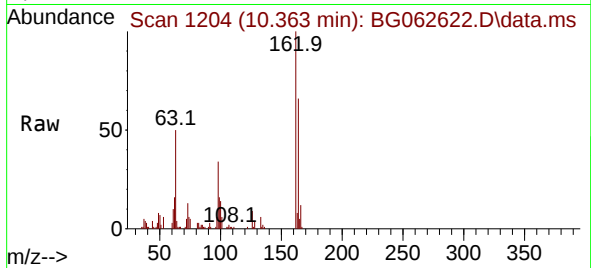
Tgt Ion:162 Resp: 46319

Ion Ratio Lower Upper

162 100

164 65.6 46.8 86.8

98 33.8 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 11.442 ng

RT: 10.580 min Scan# 1241

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

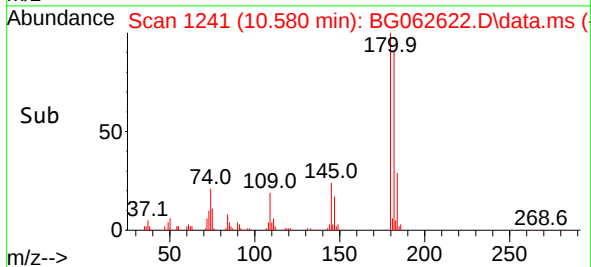
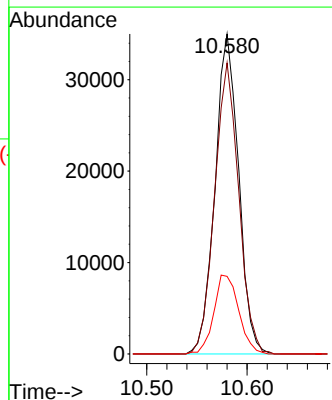
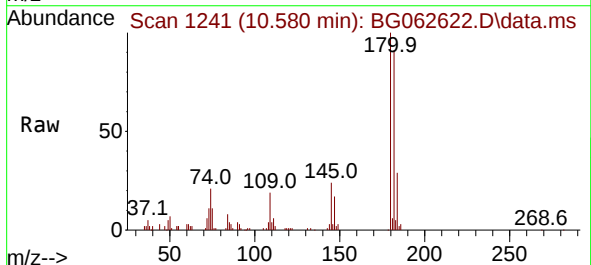
Tgt Ion:180 Resp: 57164

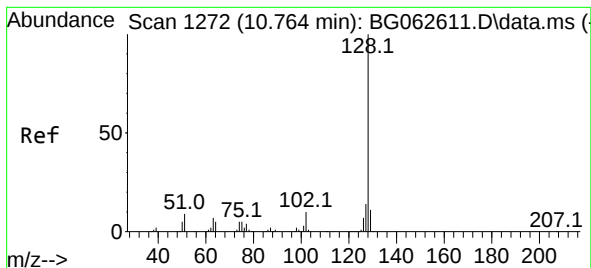
Ion Ratio Lower Upper

180 100

182 90.9 75.1 112.7

145 24.2 20.8 31.2





#31

Naphthalene

Concen: 11.382 ng

RT: 10.768 min Scan# 11

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

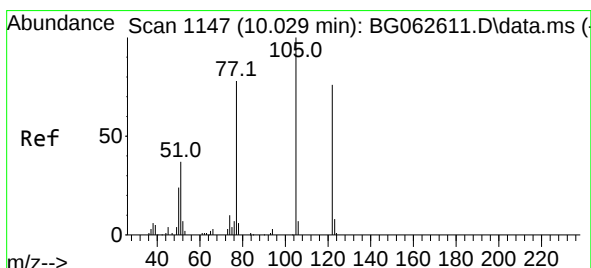
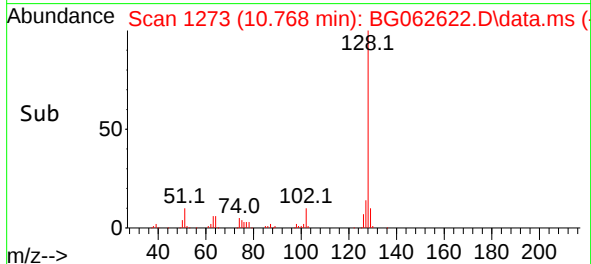
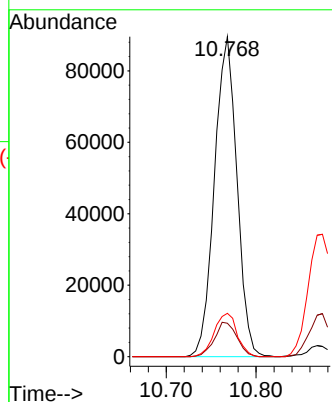
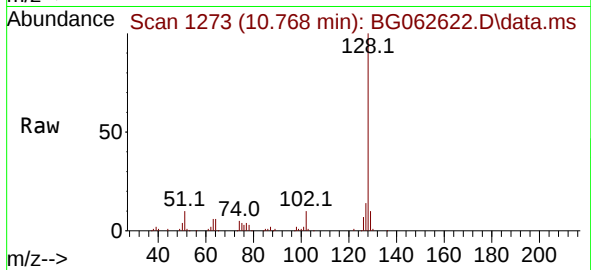
Tgt Ion:128 Resp: 155574

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

127 13.6 11.3 16.9



#32

Benzoic acid

Concen: 15.556 ng

RT: 9.992 min Scan# 1141

Delta R.T. -0.037 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

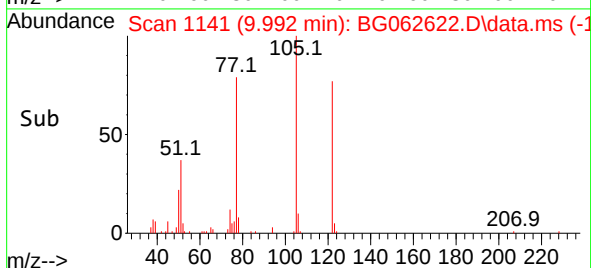
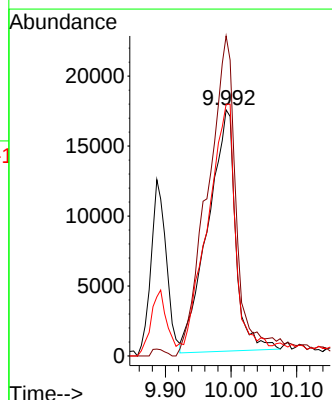
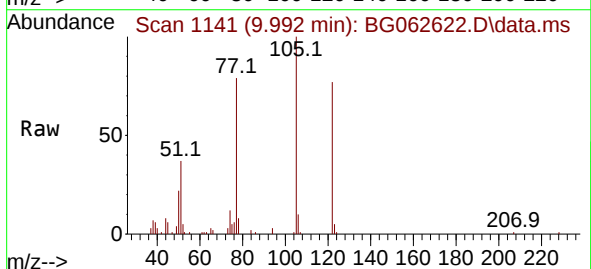
Tgt Ion:122 Resp: 50430

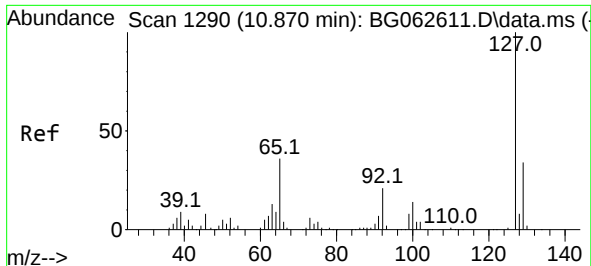
Ion Ratio Lower Upper

122 100

105 130.0 105.7 145.7

77 102.3 79.9 119.9

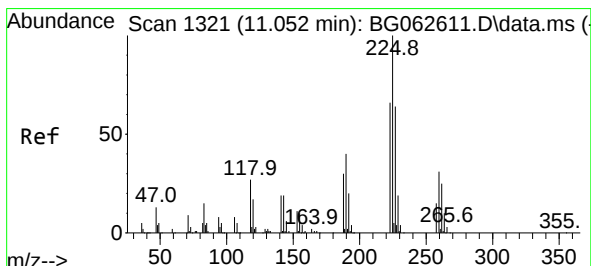
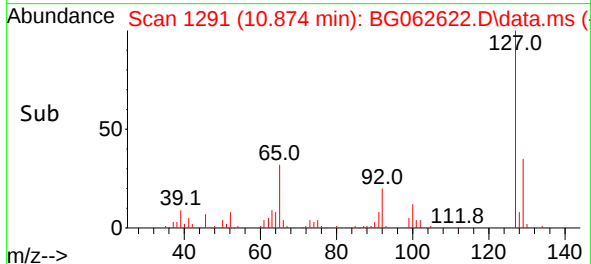
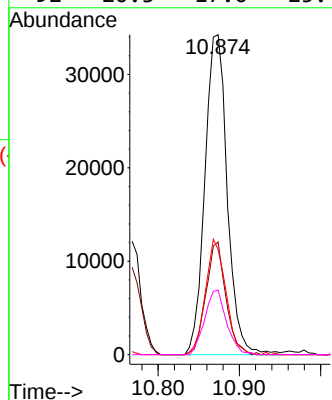
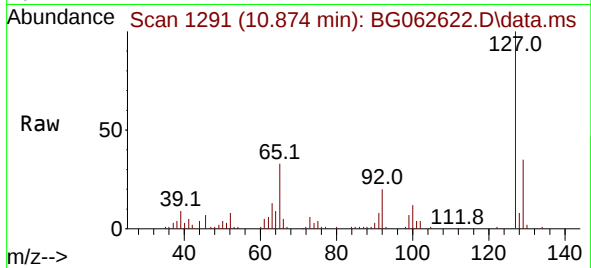




#33
4-Chloroaniline
Concen: 12.179 ng
RT: 10.874 min Scan# 1291
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

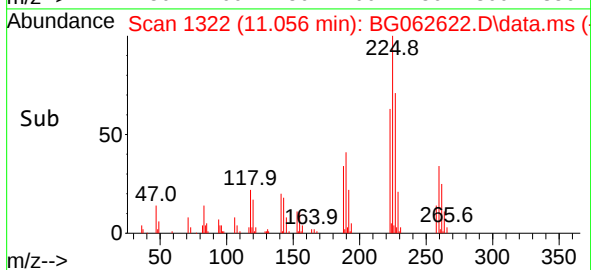
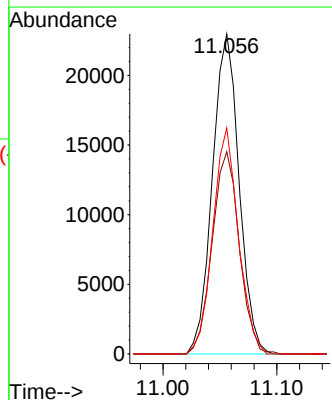
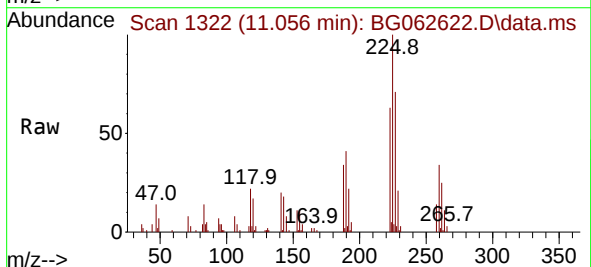
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

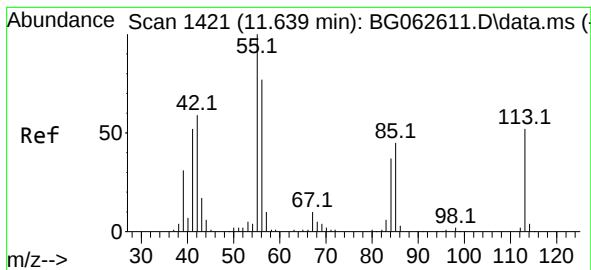
Tgt Ion:127	Resp:	65509
Ion	Ratio	Lower Upper
127	100	
129	35.2	27.3 40.9
65	32.8	29.0 43.4
92	20.3	17.0 25.4



#34
Hexachlorobutadiene
Concen: 10.728 ng
RT: 11.056 min Scan# 1322
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:225	Resp:	37433
Ion	Ratio	Lower Upper
225	100	
223	60.8	50.1 75.1
227	68.0	48.9 73.3





#35

Caprolactam

Concen: 11.074 ng

RT: 11.626 min Scan# 1419

Delta R.T. -0.013 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

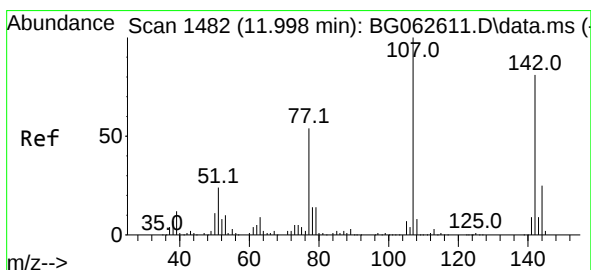
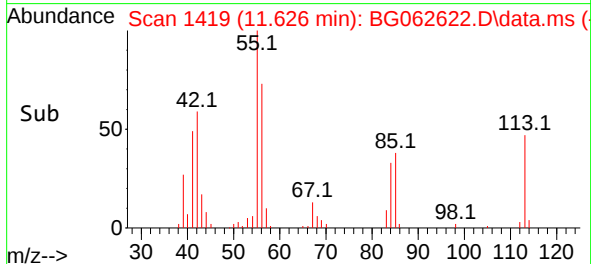
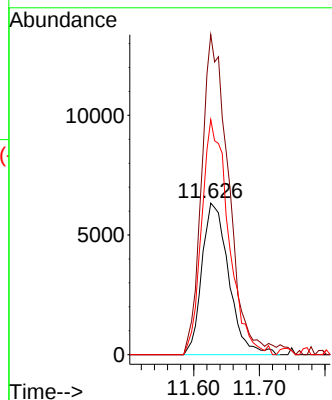
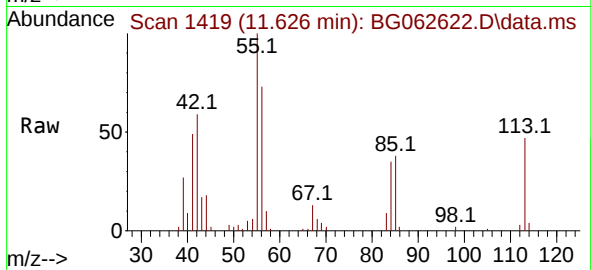
Tgt Ion:113 Resp: 17991

Ion Ratio Lower Upper

113 100

55 211.3 174.1 214.1

56 155.2 129.8 169.8



#36

4-Chloro-3-methylphenol

Concen: 10.728 ng

RT: 11.996 min Scan# 1482

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

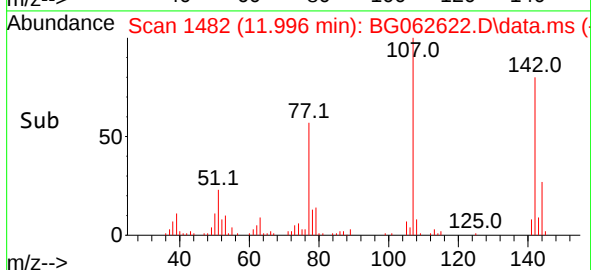
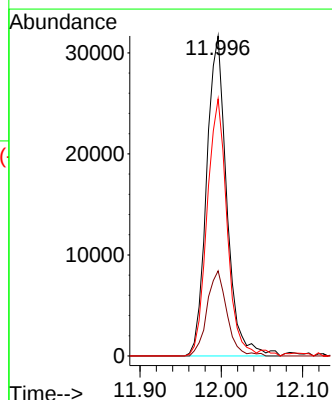
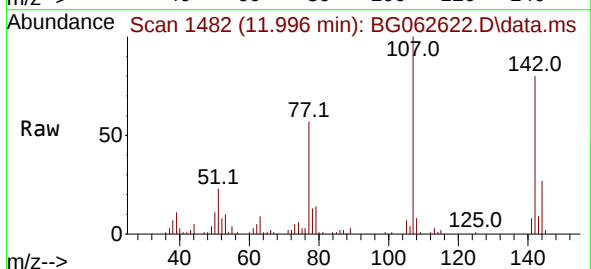
Tgt Ion:107 Resp: 54534

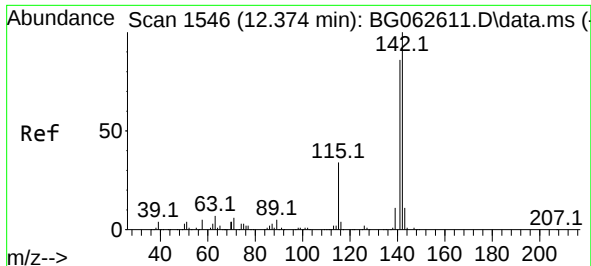
Ion Ratio Lower Upper

107 100

144 26.6 19.8 29.8

142 80.4 64.7 97.1





#37

2-Methylnaphthalene

Concen: 11.314 ng

RT: 12.372 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

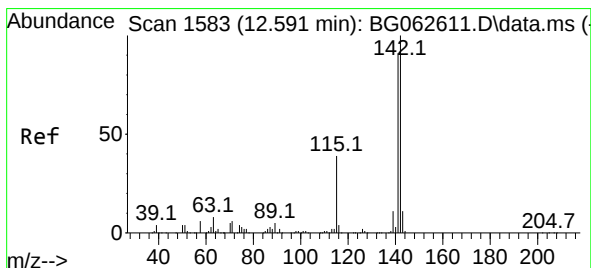
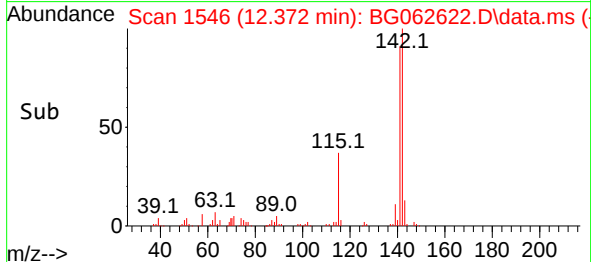
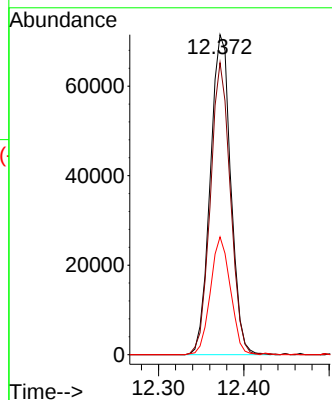
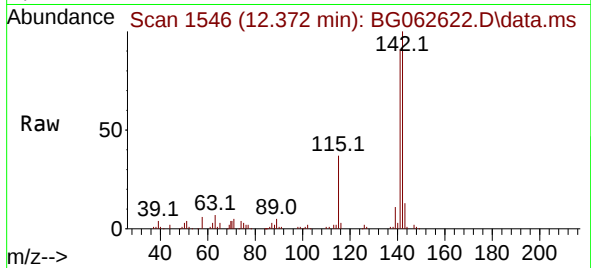
Tgt Ion:142 Resp: 119941

Ion Ratio Lower Upper

142 100

141 91.2 68.9 103.3

115 36.8 27.5 41.3



#38

1-Methylnaphthalene

Concen: 10.967 ng

RT: 12.589 min Scan# 1583

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

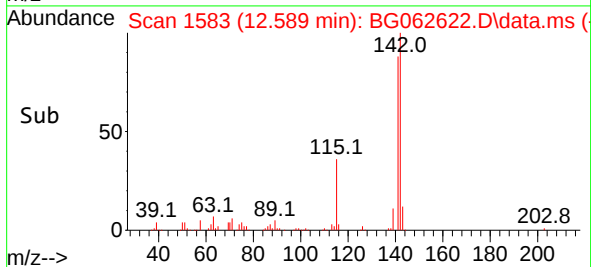
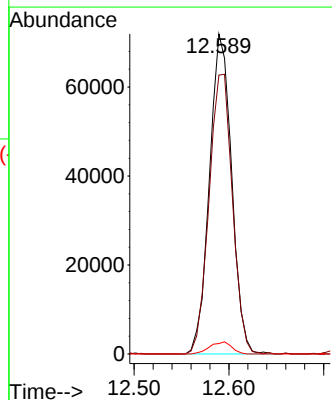
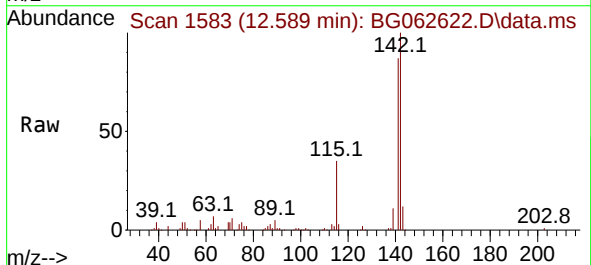
Tgt Ion:142 Resp: 116742

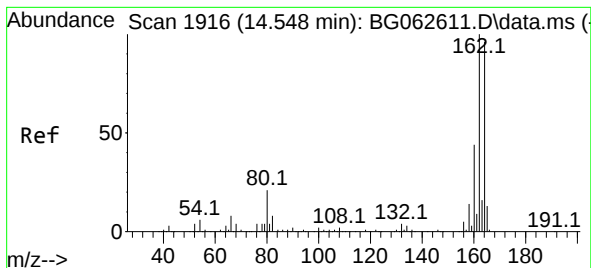
Ion Ratio Lower Upper

142 100

141 87.2 73.0 109.4

116 3.3 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.546 min Scan# 1916

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

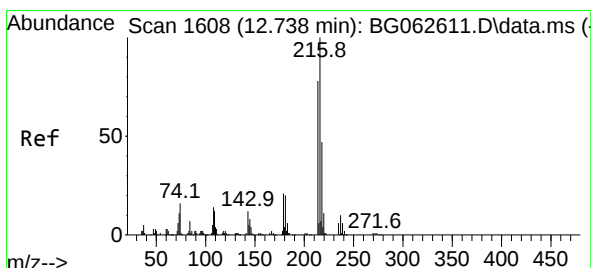
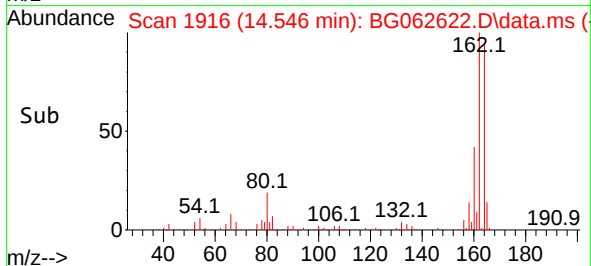
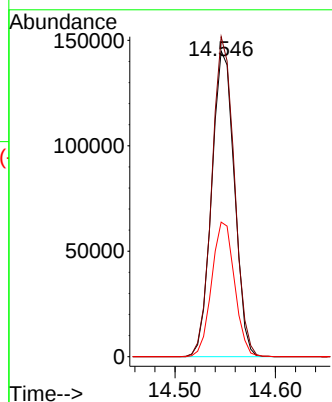
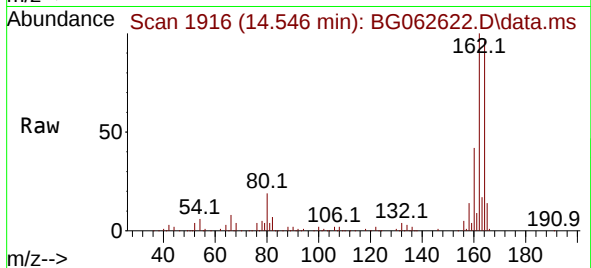
Tgt Ion:164 Resp: 227463

Ion Ratio Lower Upper

164 100

162 104.7 83.1 124.7

160 44.0 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 11.783 ng

RT: 12.742 min Scan# 1609

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Tgt Ion:216 Resp: 80605

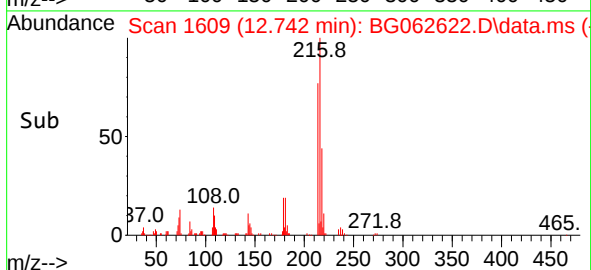
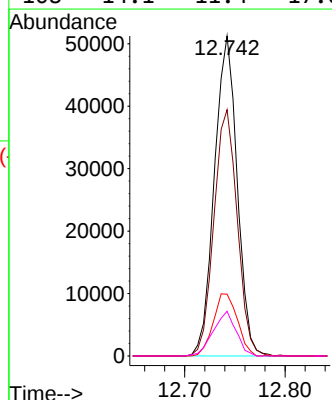
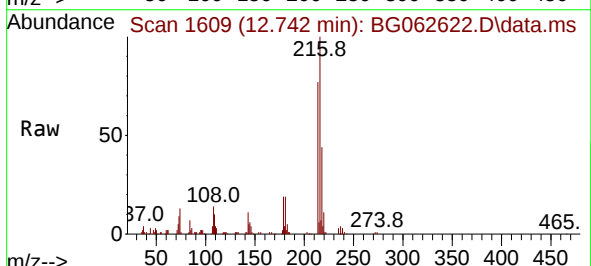
Ion Ratio Lower Upper

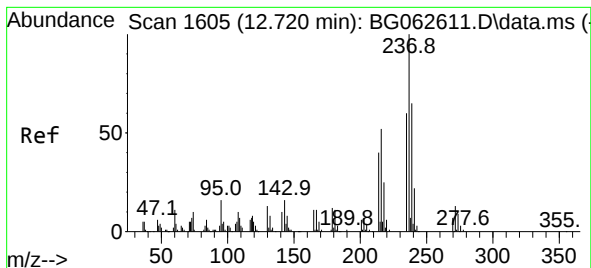
216 100

214 78.6 61.6 92.4

179 20.6 15.9 23.9

108 14.1 11.4 17.0





#41

Hexachlorocyclopentadiene

Concen: 10.822 ng

RT: 12.725 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

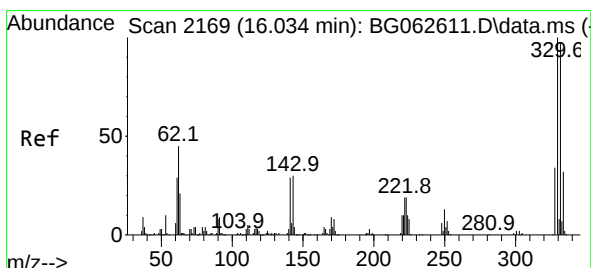
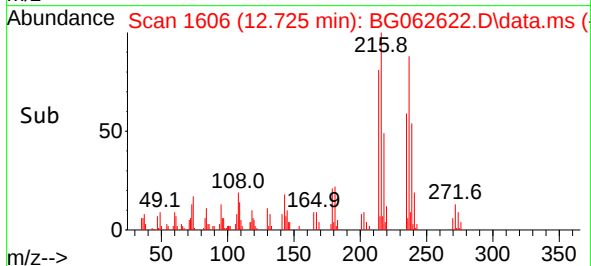
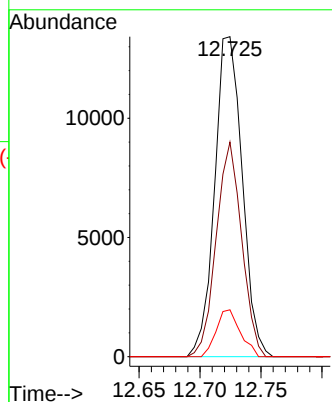
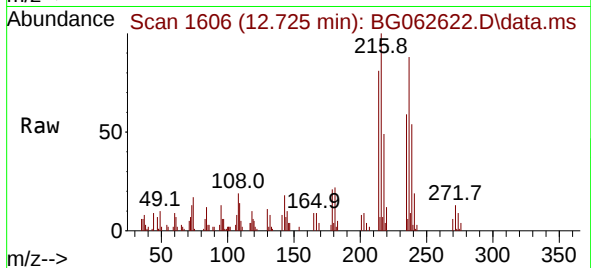
Tgt Ion:237 Resp: 21121

Ion Ratio Lower Upper

237 100

235 67.0 40.4 80.4

272 14.6 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 146.091 ng

RT: 16.038 min Scan# 2170

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

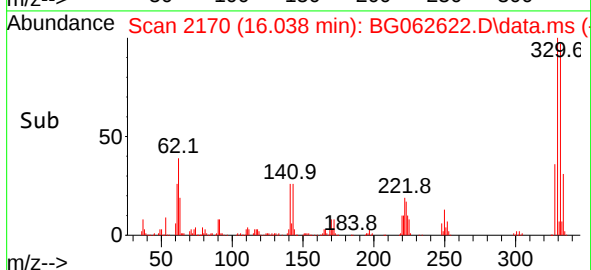
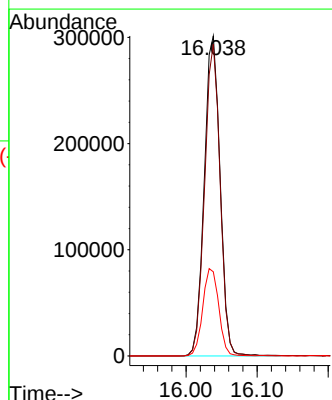
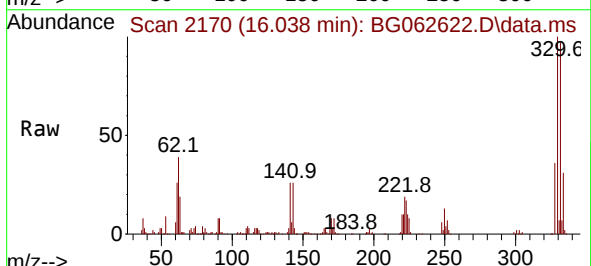
Tgt Ion:330 Resp: 467654

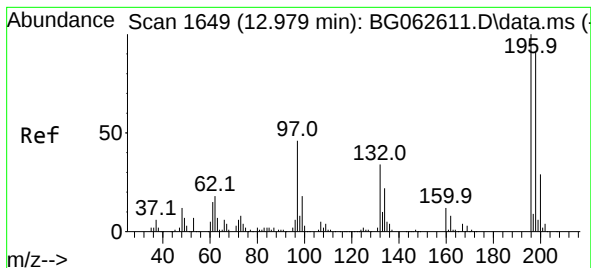
Ion Ratio Lower Upper

330 100

332 95.4 77.2 115.8

141 27.6 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 11.455 ng

RT: 12.977 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

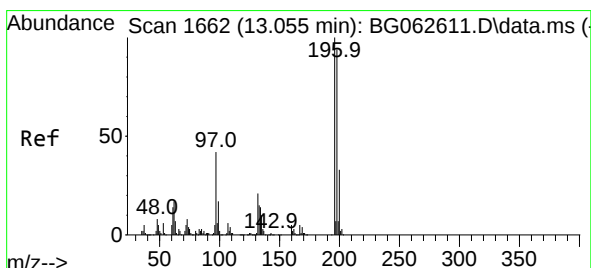
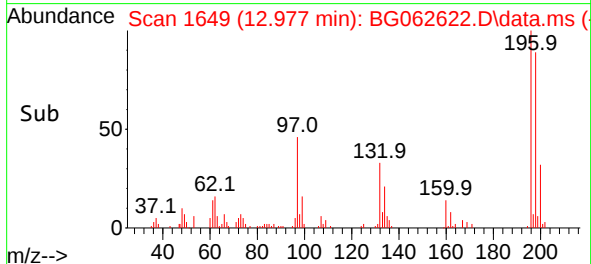
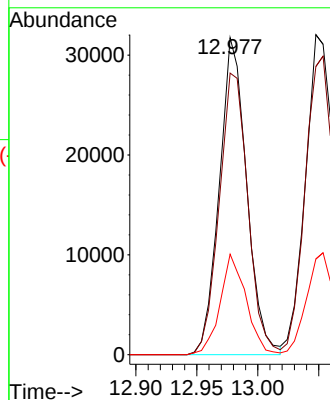
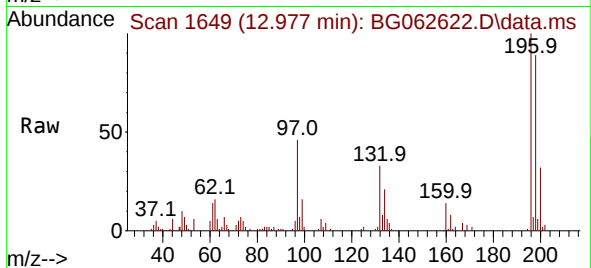
Tgt Ion:196 Resp: 49675

Ion Ratio Lower Upper

196 100

198 88.9 72.8 109.2

200 31.7 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 10.854 ng

RT: 13.048 min Scan# 1661

Delta R.T. -0.008 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Tgt Ion:196 Resp: 53302

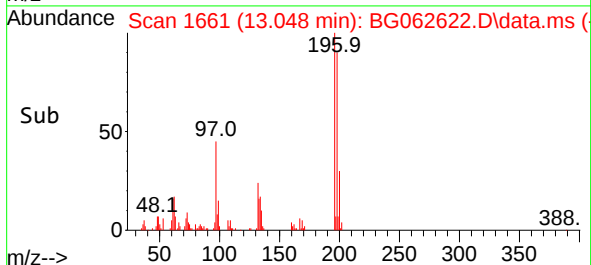
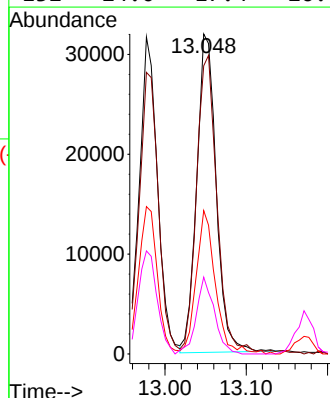
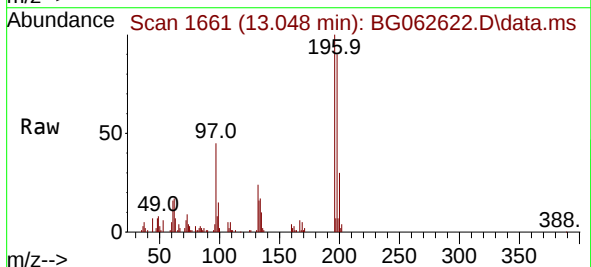
Ion Ratio Lower Upper

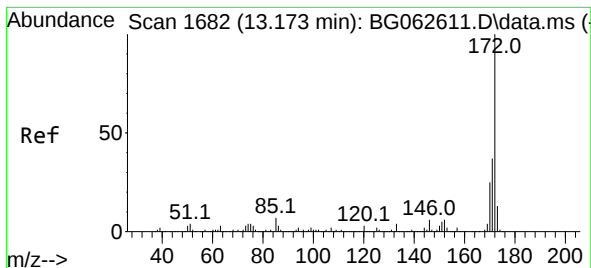
196 100

198 90.1 75.5 113.3

97 44.8 34.1 51.1

132 24.0 17.4 26.0

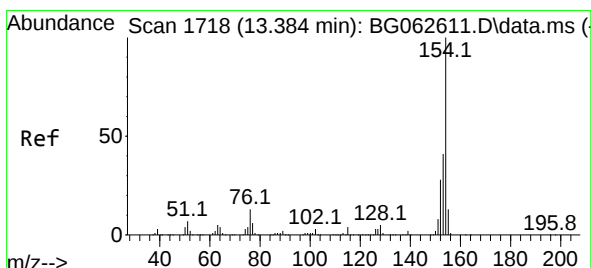
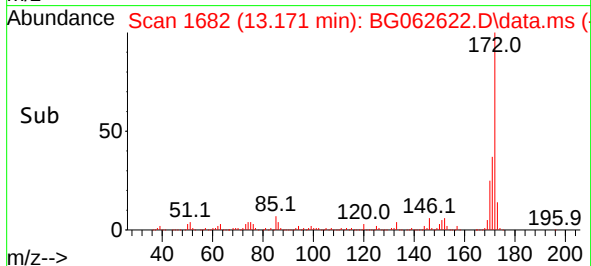
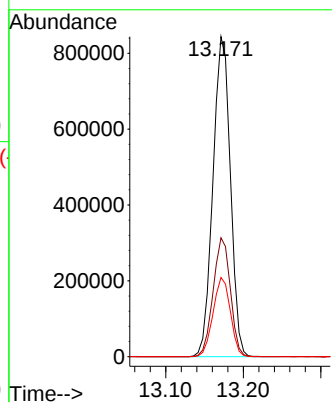
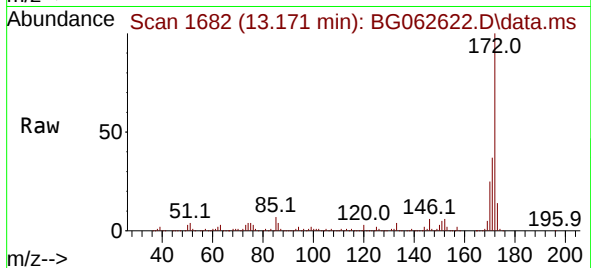




#45
2-Fluorobiphenyl
Concen: 94.030 ng
RT: 13.171 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

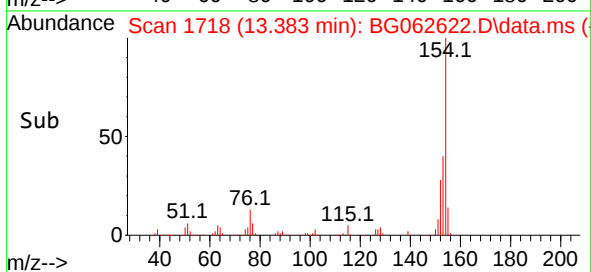
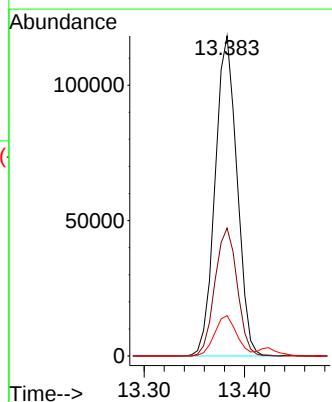
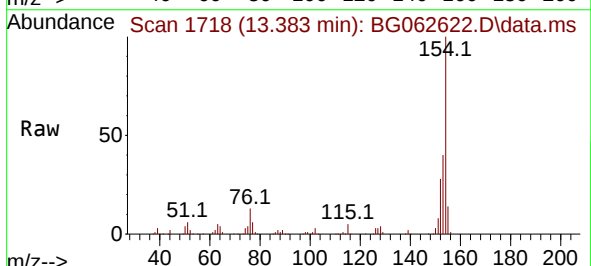
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

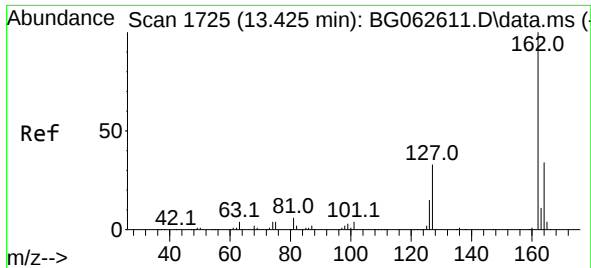
Tgt Ion:172 Resp: 1320443
Ion Ratio Lower Upper
172 100
171 37.1 29.7 44.5
170 24.7 20.0 30.0



#46
1,1'-Biphenyl
Concen: 11.785 ng
RT: 13.383 min Scan# 1718
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:154 Resp: 178840
Ion Ratio Lower Upper
154 100
153 40.0 20.8 60.8
76 12.6 0.0 33.4

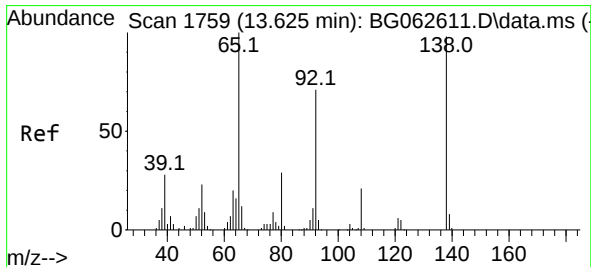
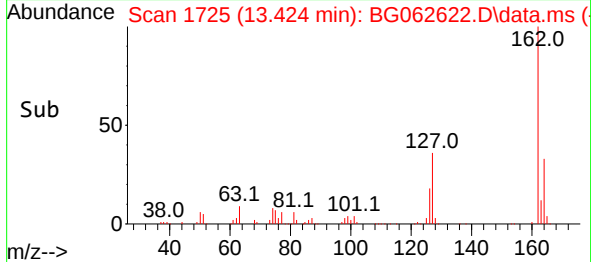
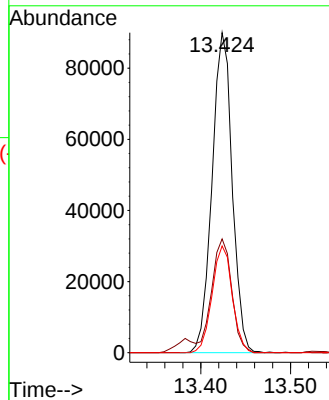
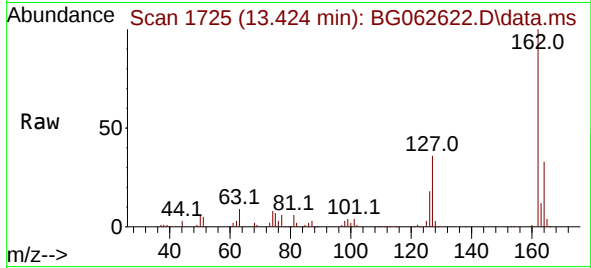




#47
2-Chloronaphthalene
Concen: 11.382 ng
RT: 13.424 min Scan# 1725
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

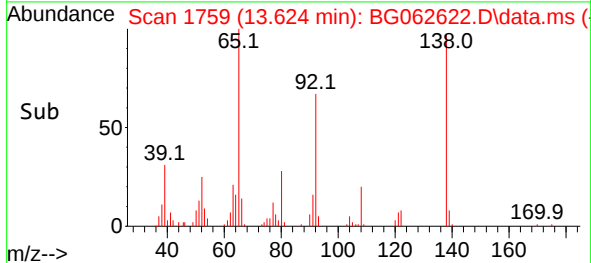
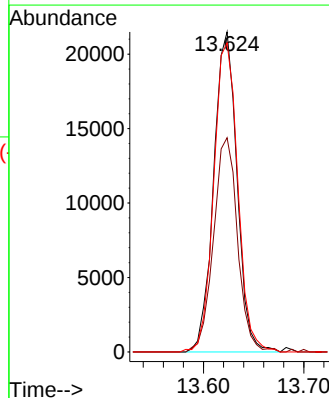
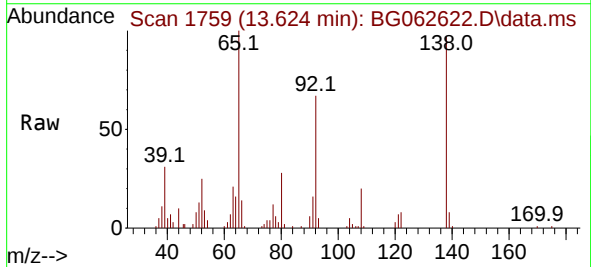
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

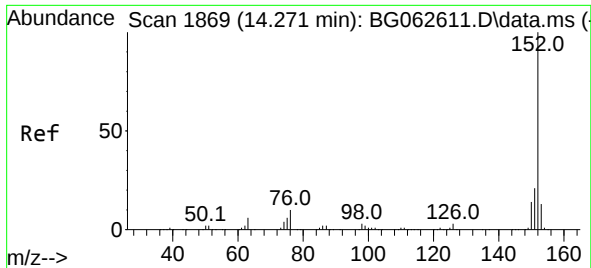
Tgt Ion:162	Resp:	139980	
Ion	Ratio	Lower	Upper
162	100		
127	35.5	28.7	43.1
164	33.3	26.9	40.3



#48
2-Nitroaniline
Concen: 10.710 ng
RT: 13.624 min Scan# 1759
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion: 65	Resp:	34645	
Ion	Ratio	Lower	Upper
65	100		
92	67.0	56.6	84.8
138	96.6	78.7	118.1

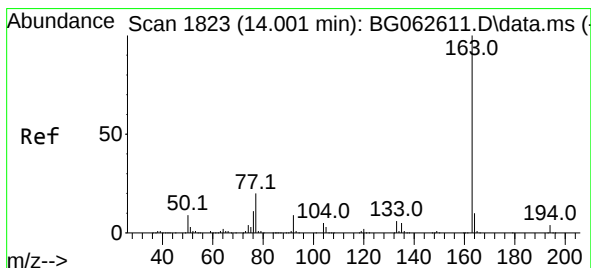
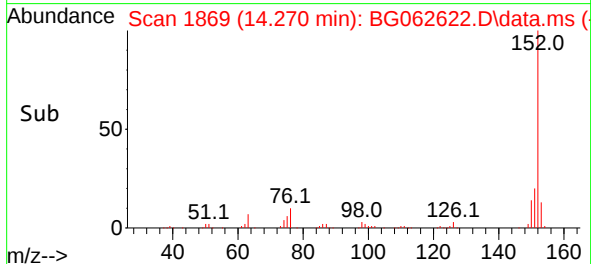
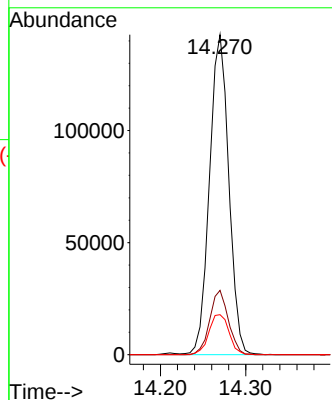
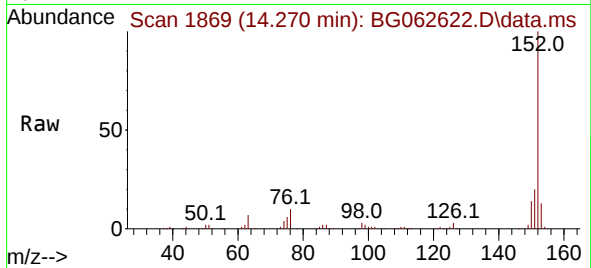




#49
Acenaphthylene
Concen: 12.305 ng
RT: 14.270 min Scan# 1869
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

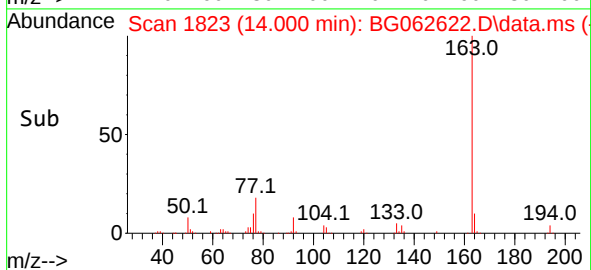
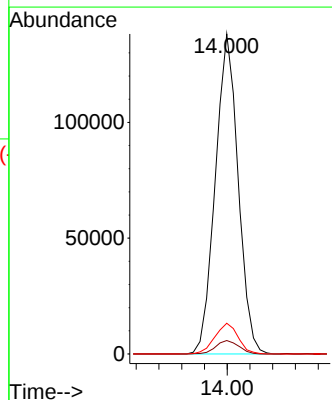
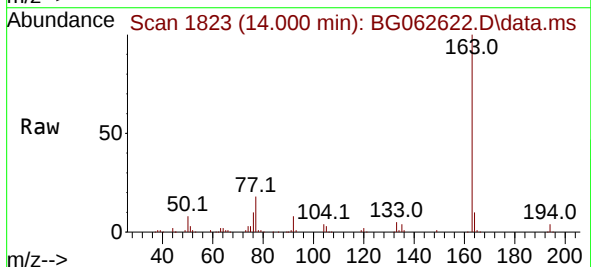
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

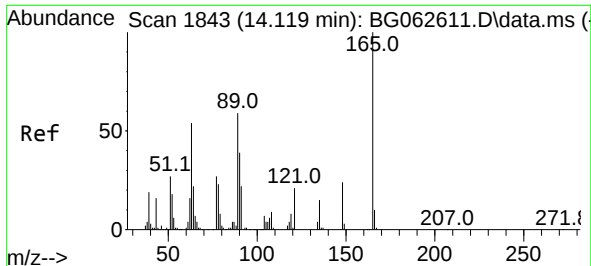
Tgt Ion:152 Resp: 224114
Ion Ratio Lower Upper
152 100
151 20.1 16.6 24.8
153 12.5 10.2 15.4



#50
Dimethylphthalate
Concen: 11.588 ng
RT: 14.000 min Scan# 1823
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:163 Resp: 192738
Ion Ratio Lower Upper
163 100
194 4.2 2.9 4.3
164 9.6 8.3 12.5

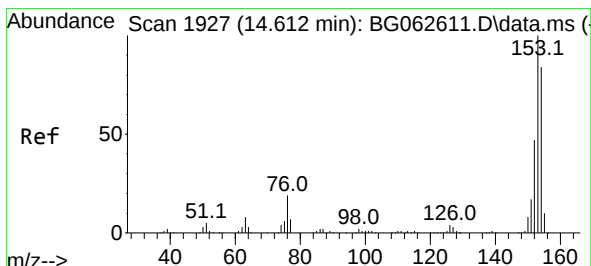
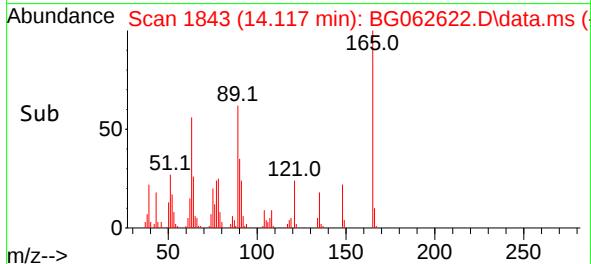
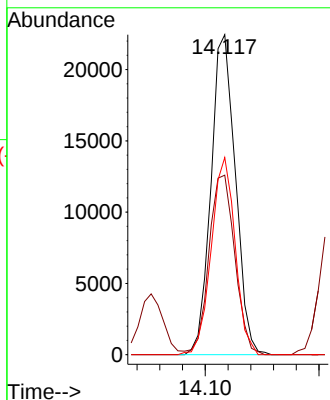
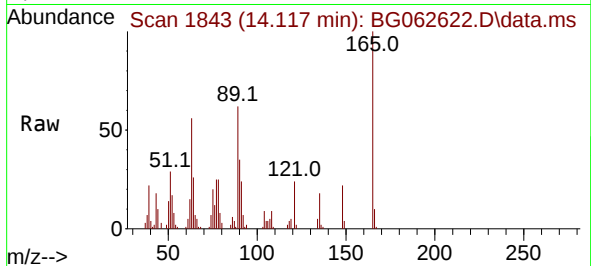




#51
2,6-Dinitrotoluene
Concen: 10.633 ng
RT: 14.117 min Scan# 1843
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

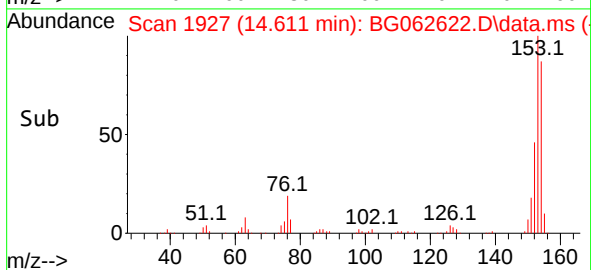
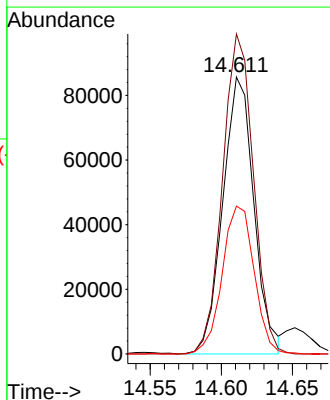
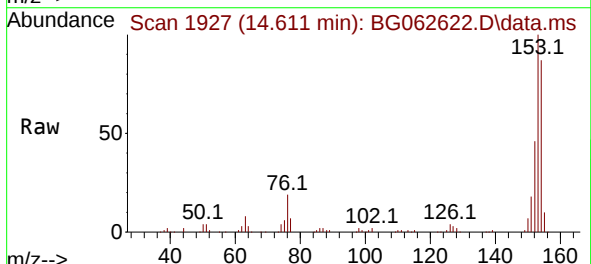
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:165	Resp:	33452	
Ion	Ratio	Lower	Upper
165	100		
63	56.1	46.6	69.8
89	61.6	47.2	70.8



#52
Acenaphthene
Concen: 11.487 ng
RT: 14.611 min Scan# 1927
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:154	Resp:	130784	
Ion	Ratio	Lower	Upper
154	100		
153	115.6	95.0	142.4
152	53.4	45.0	67.6

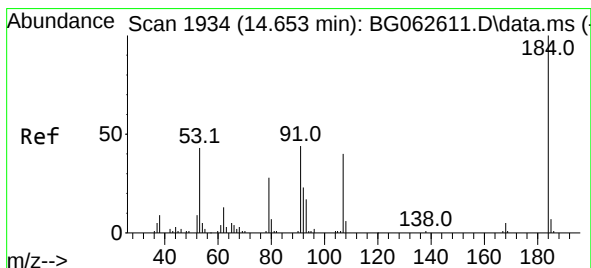
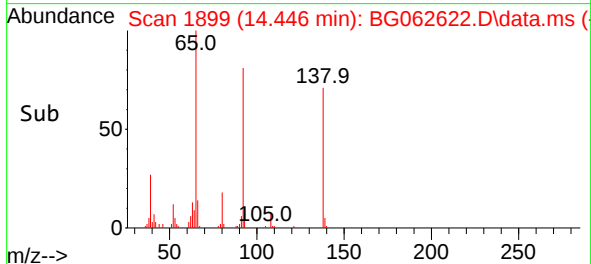
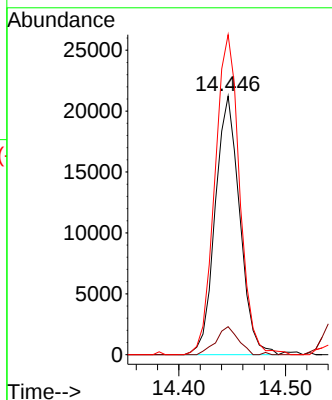
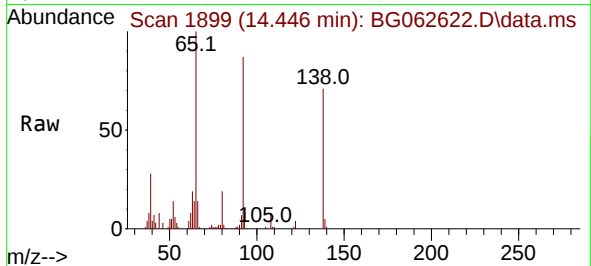




#53
3-Nitroaniline
Concen: 11.140 ng
RT: 14.446 min Scan# 1899
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

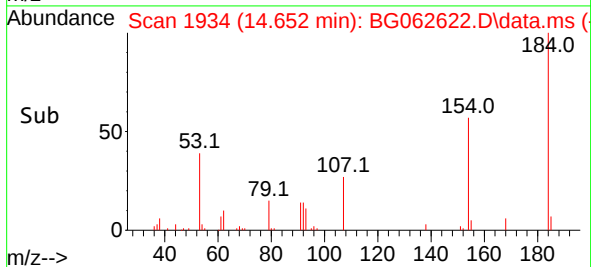
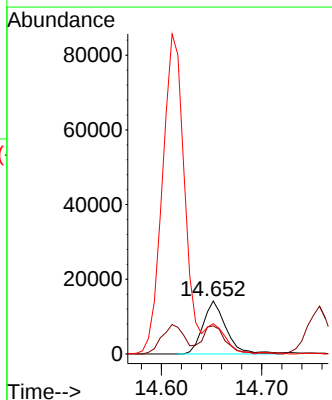
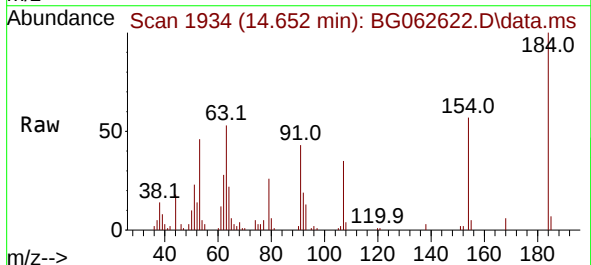
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

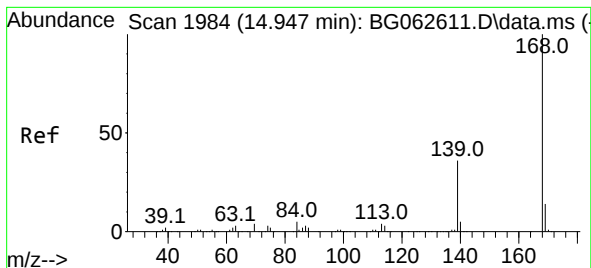
Tgt Ion:138 Resp: 33913
Ion Ratio Lower Upper
138 100
108 10.9 8.6 13.0
92 123.7 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 12.844 ng
RT: 14.652 min Scan# 1934
Delta R.T. -0.001 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:184 Resp: 22677
Ion Ratio Lower Upper
184 100
63 52.9 49.0 73.4
154 57.2 50.5 75.7





#55

Dibenzofuran

Concen: 11.856 ng

RT: 14.945 min Scan# 1984

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

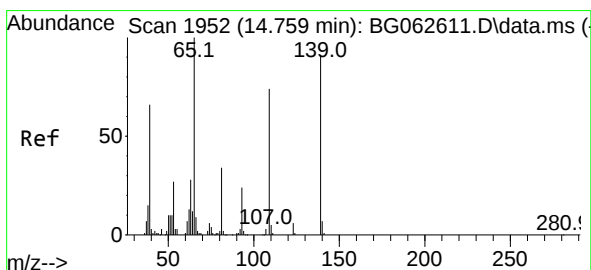
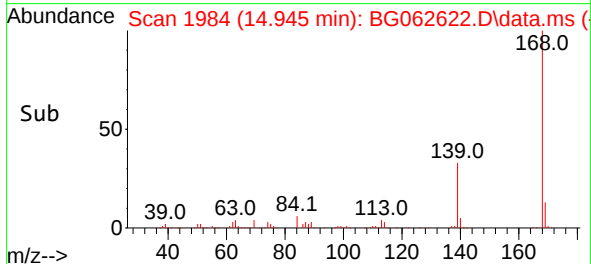
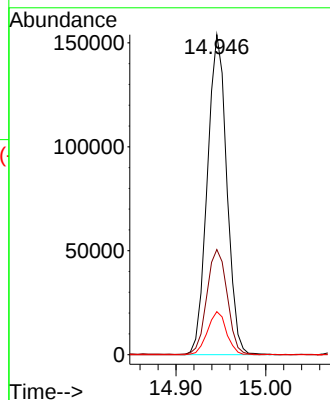
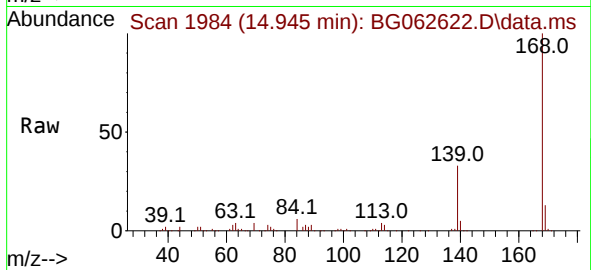
Tgt Ion:168 Resp: 231497

Ion Ratio Lower Upper

168 100

139 32.9 28.6 42.8

169 13.4 11.0 16.6



#56

4-Nitrophenol

Concen: 24.615 ng

RT: 14.757 min Scan# 1952

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

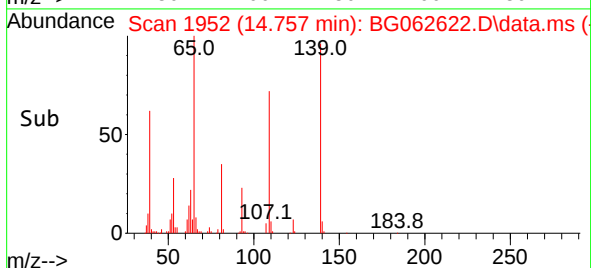
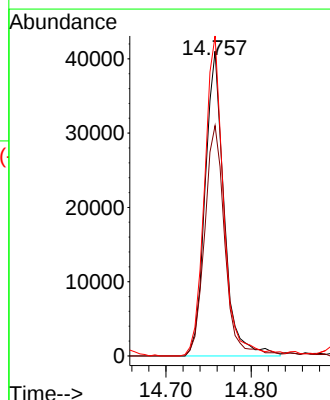
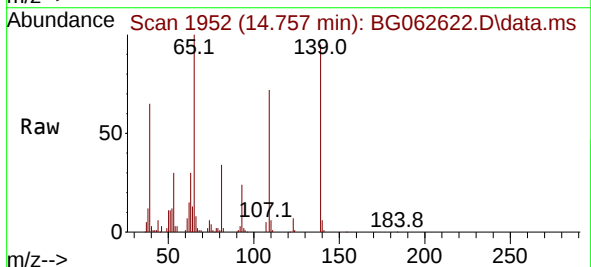
Tgt Ion:139 Resp: 63503

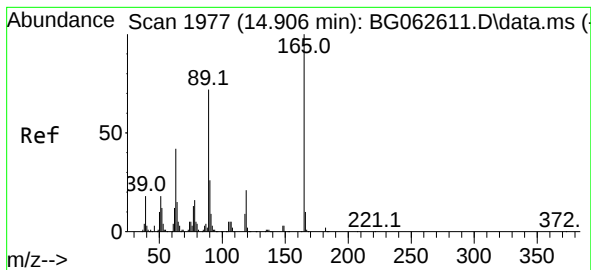
Ion Ratio Lower Upper

139 100

109 75.6 61.2 101.2

65 105.0 90.2 130.2





#57

2,4-Dinitrotoluene

Concen: 10.610 ng

RT: 14.904 min Scan# 1977

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:165 Resp: 45543

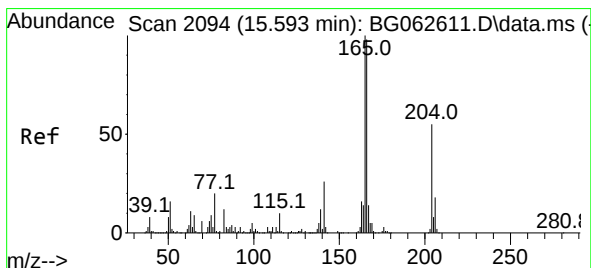
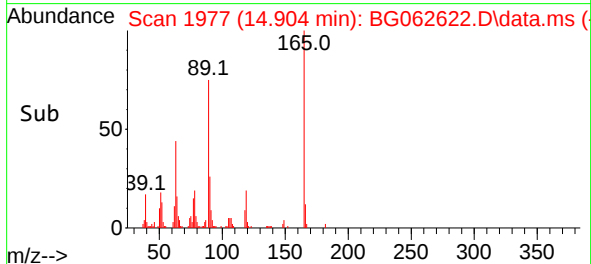
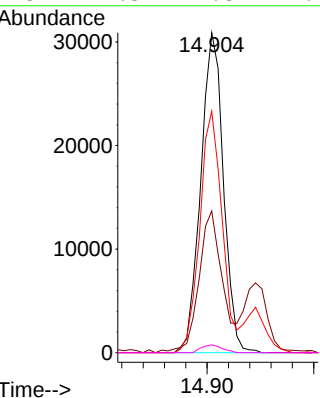
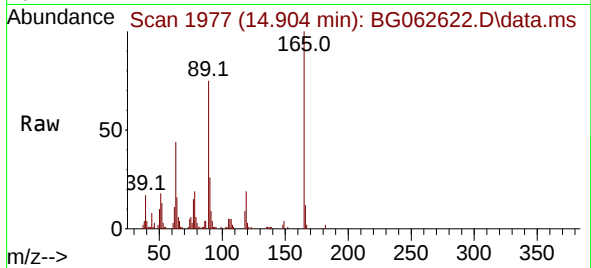
Ion Ratio Lower Upper

165 100

63 44.3 33.8 50.6

89 75.5 57.9 86.9

182 2.5 1.8 2.8



#58

Fluorene

Concen: 11.657 ng

RT: 15.598 min Scan# 2095

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

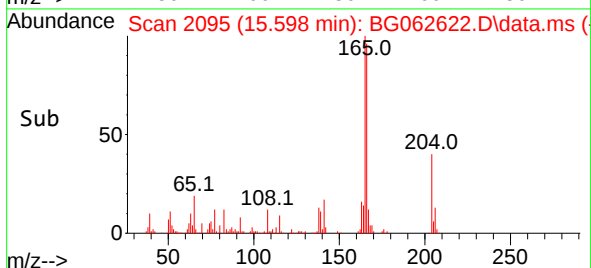
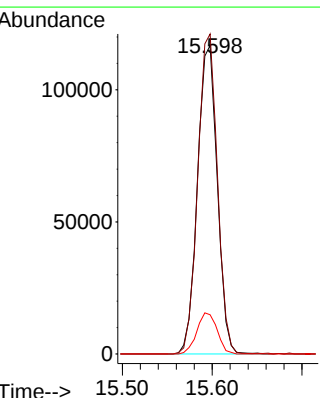
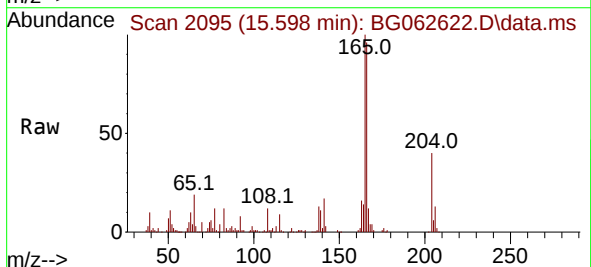
Tgt Ion:166 Resp: 178623

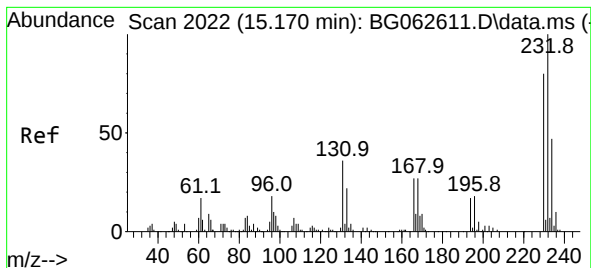
Ion Ratio Lower Upper

166 100

165 103.7 82.0 123.0

167 12.7 11.3 16.9

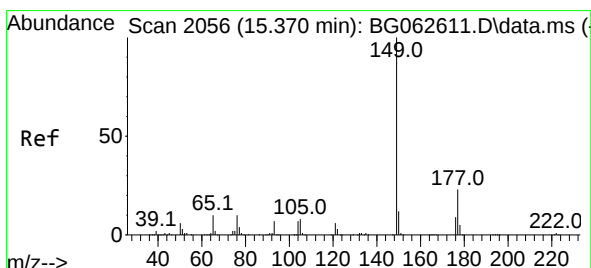
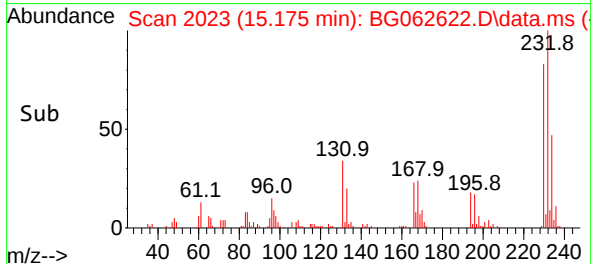
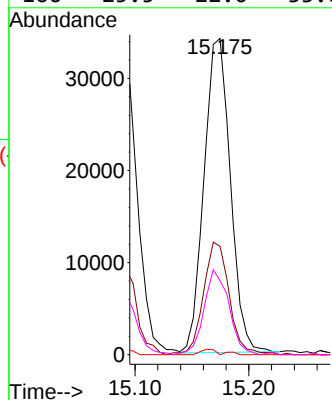
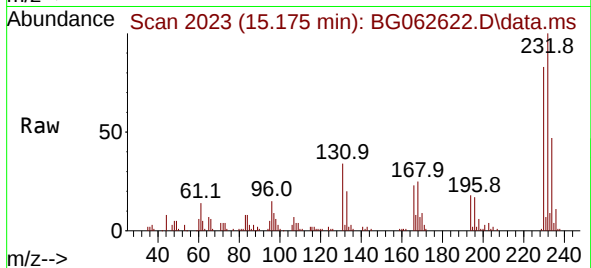




#59
2,3,4,6-Tetrachlorophenol
Concen: 11.805 ng
RT: 15.175 min Scan# 2022
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

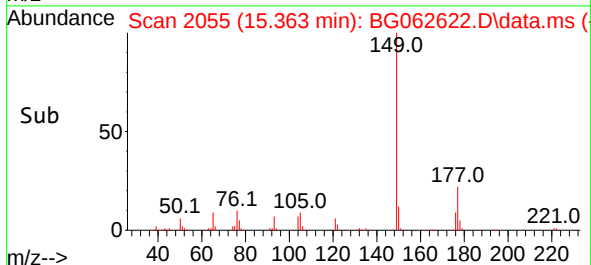
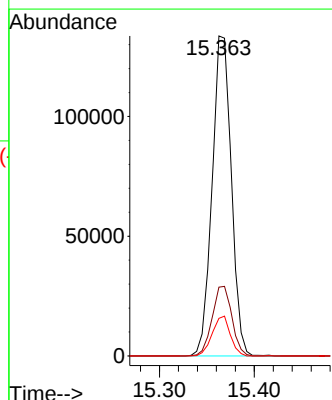
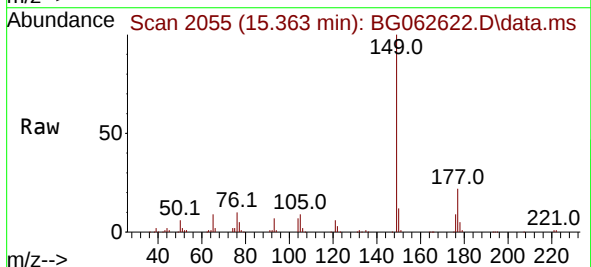
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

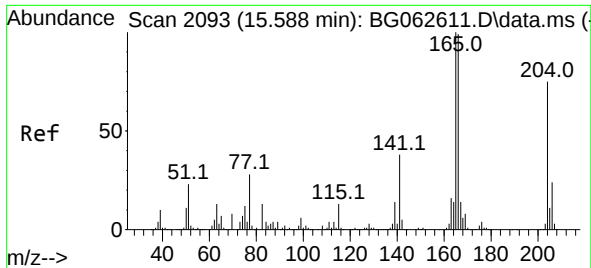
Tgt Ion:232 Resp: 54920
Ion Ratio Lower Upper
232 100
131 35.3 28.3 42.5
130 1.3 1.7 2.5#
166 25.5 22.0 33.0



#60
Diethylphthalate
Concen: 11.383 ng
RT: 15.363 min Scan# 2055
Delta R.T. -0.008 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:149 Resp: 187657
Ion Ratio Lower Upper
149 100
177 21.5 18.0 27.0
150 11.7 9.8 14.8

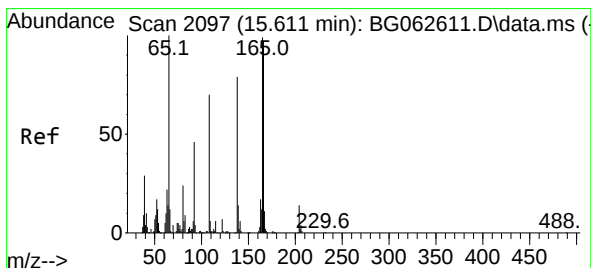
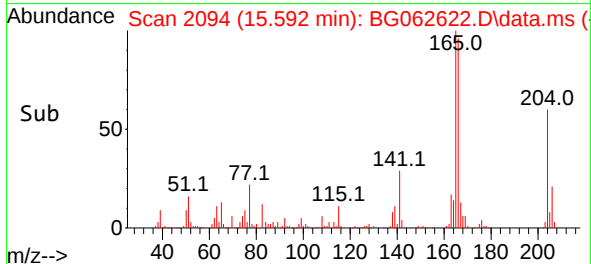
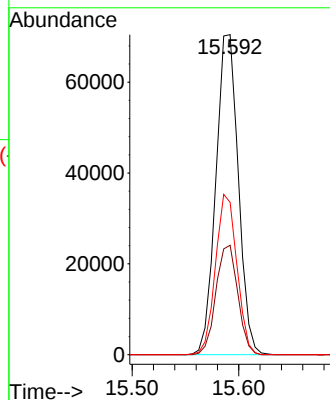
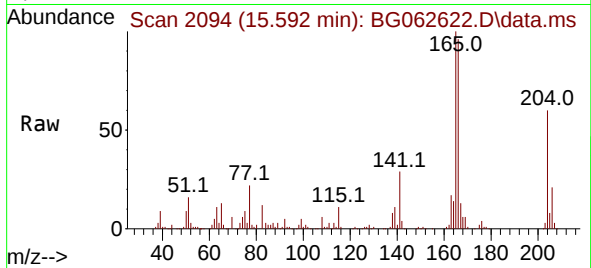




#61
4-Chlorophenyl-phenylether
Concen: 11.696 ng
RT: 15.592 min Scan# 2094
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

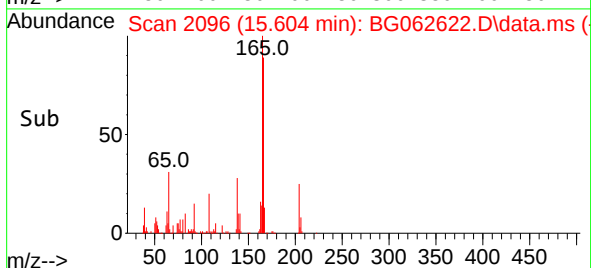
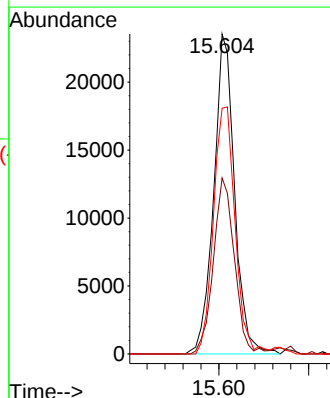
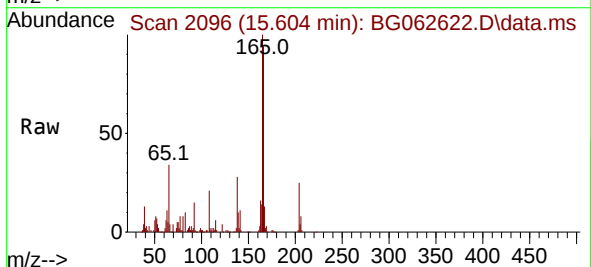
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

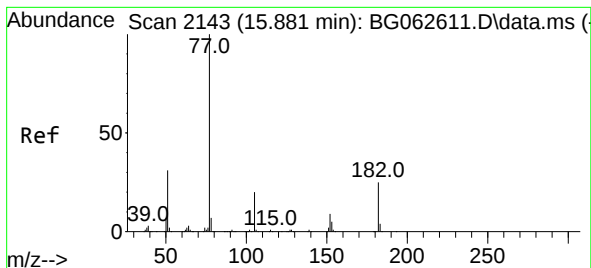
Tgt Ion:204 Resp: 102887
Ion Ratio Lower Upper
204 100
206 34.2 25.9 38.9
141 47.6 41.0 61.6



#62
4-Nitroaniline
Concen: 11.270 ng
RT: 15.604 min Scan# 2096
Delta R.T. -0.008 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:138 Resp: 37827
Ion Ratio Lower Upper
138 100
92 55.0 38.4 78.4
108 76.8 69.0 109.0





#63

Azobenzene

Concen: 11.584 ng

RT: 15.880 min Scan# 2143

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 179315

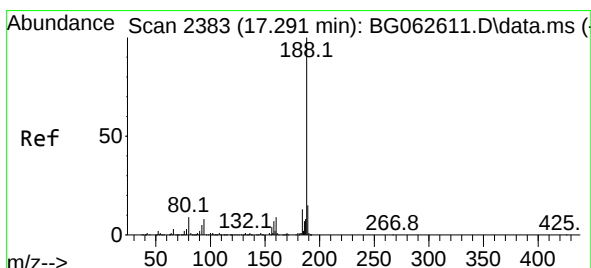
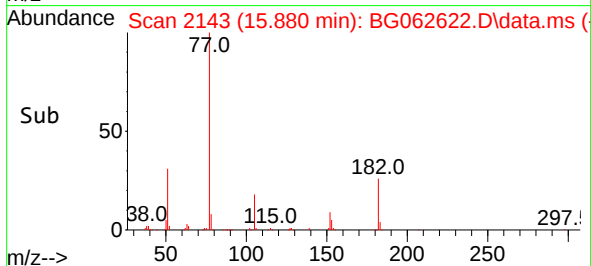
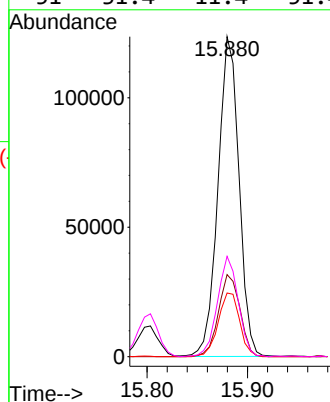
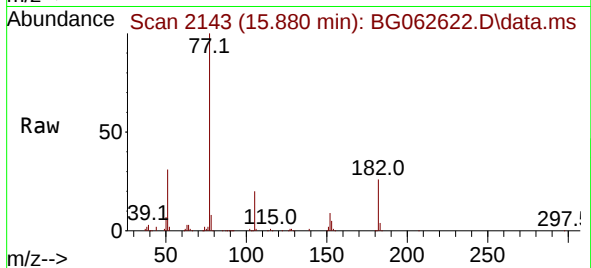
Ion Ratio Lower Upper

77 100

182 25.6 5.0 45.0

105 19.9 0.5 40.5

51 31.4 11.4 51.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.290 min Scan# 2383

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

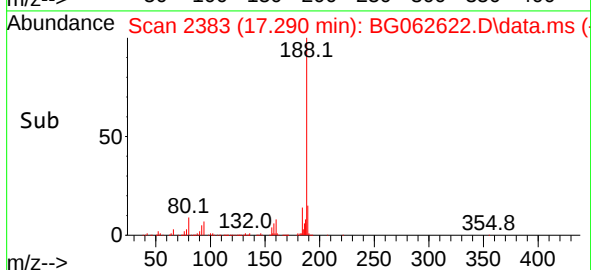
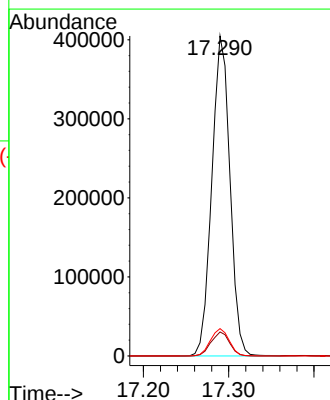
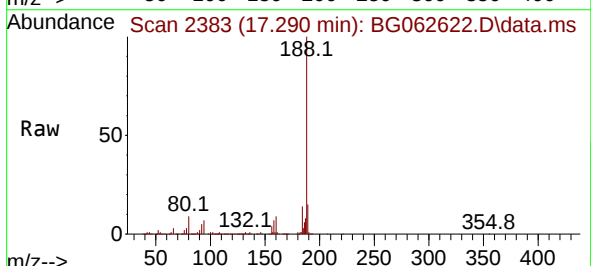
Tgt Ion: 188 Resp: 597466

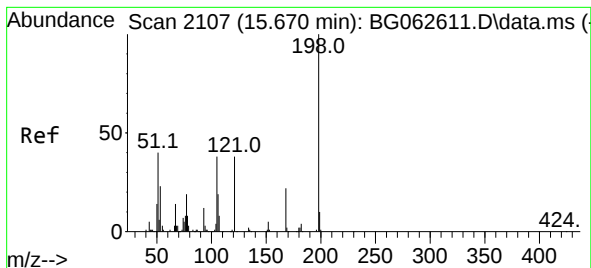
Ion Ratio Lower Upper

188 100

94 7.5 6.3 9.5

80 8.5 7.0 10.4

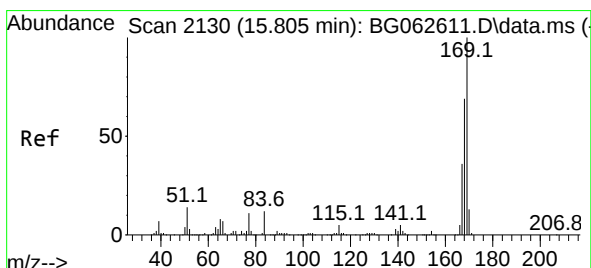
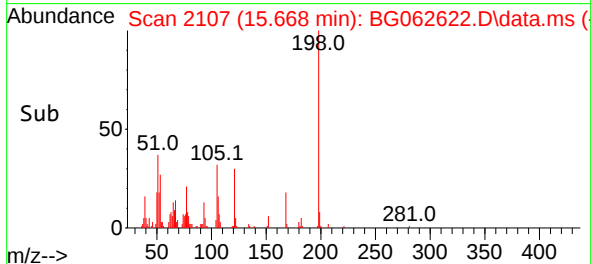
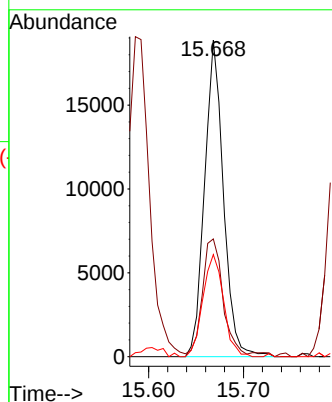
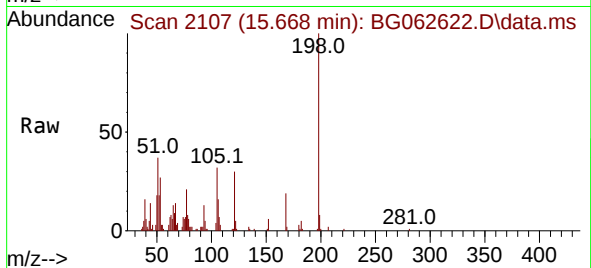




#65
4,6-Dinitro-2-methylphenol
Concen: 9.783 ng
RT: 15.668 min Scan# 2107
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

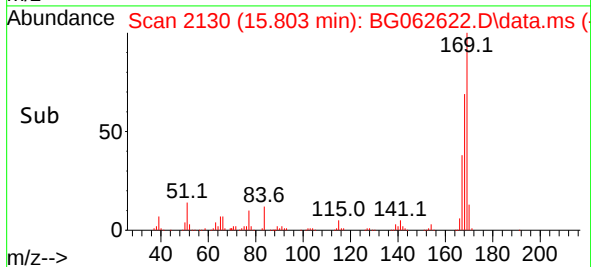
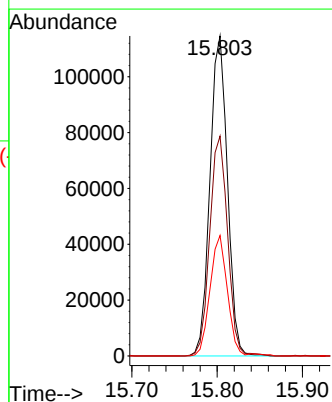
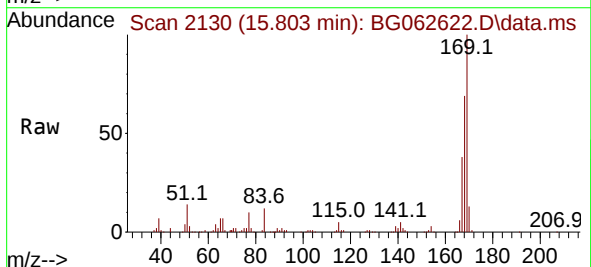
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

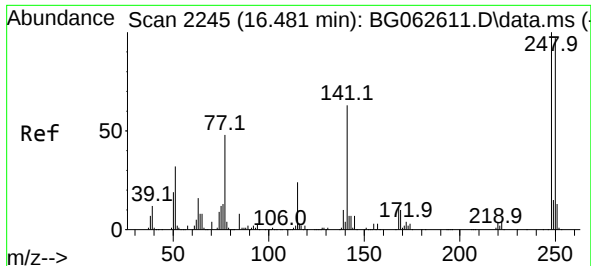
Tgt Ion	Ratio	Lower	Upper
198	100		
51	37.2	25.1	65.1
105	32.2	18.3	58.3



#66
n-Nitrosodiphenylamine
Concen: 11.352 ng
RT: 15.803 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.7	55.4	83.2
167	37.6	29.0	43.6

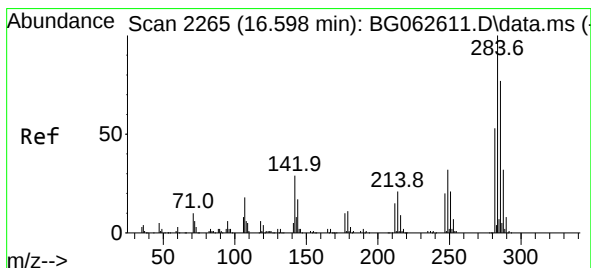
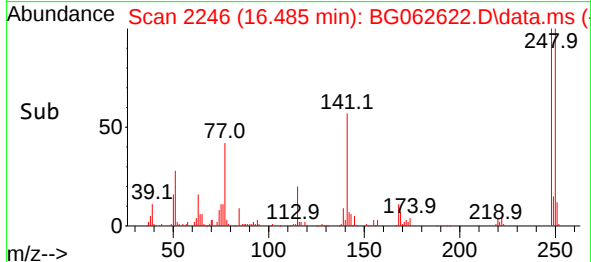
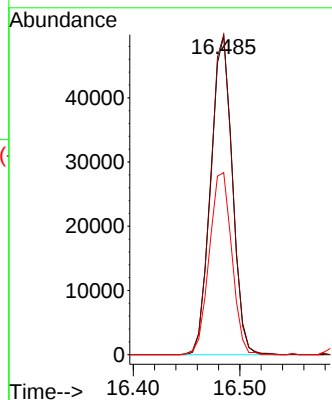
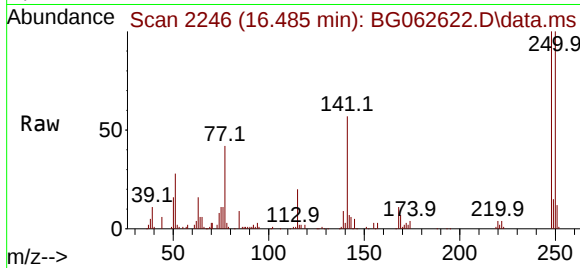




#67
4-Bromophenyl-phenylether
Concen: 11.352 ng
RT: 16.485 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

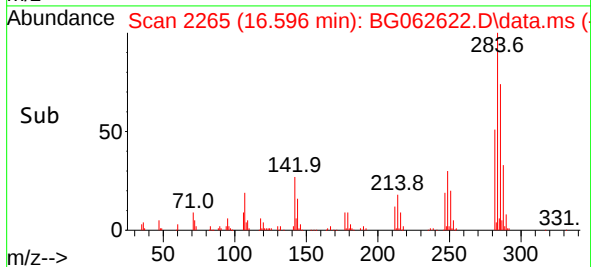
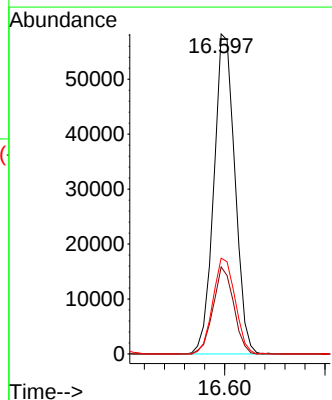
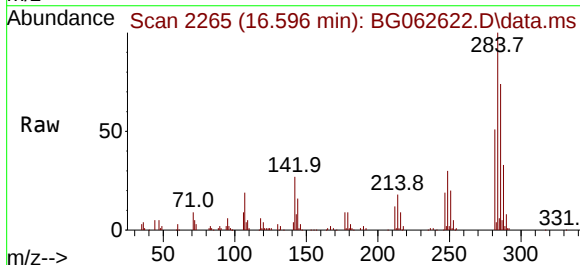
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

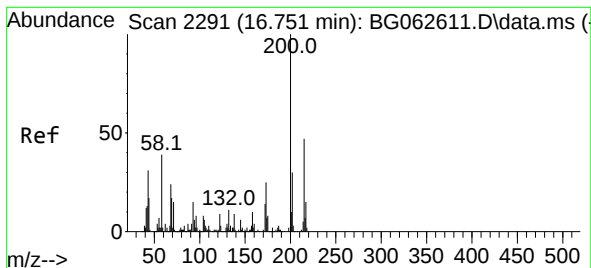
Tgt Ion:248 Resp: 69998
Ion Ratio Lower Upper
248 100
250 100.3 77.9 116.9
141 57.1 50.2 75.2



#68
Hexachlorobenzene
Concen: 11.620 ng
RT: 16.596 min Scan# 2265
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:284 Resp: 84858
Ion Ratio Lower Upper
284 100
142 27.2 23.5 35.3
249 29.9 25.4 38.0





#69

Atrazine

Concen: 14.780 ng

RT: 16.749 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

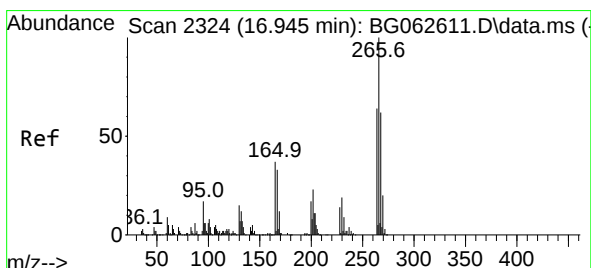
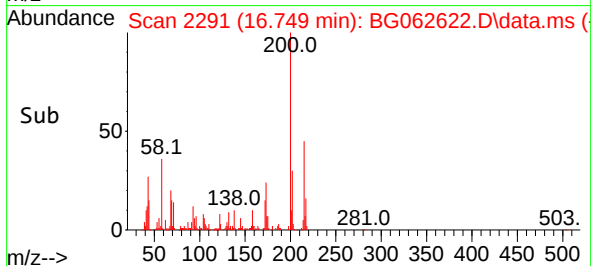
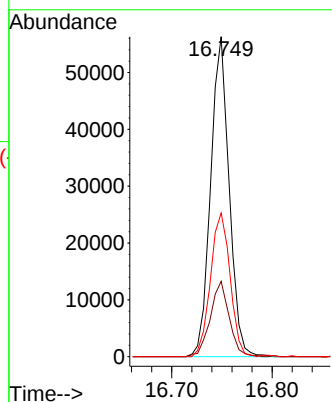
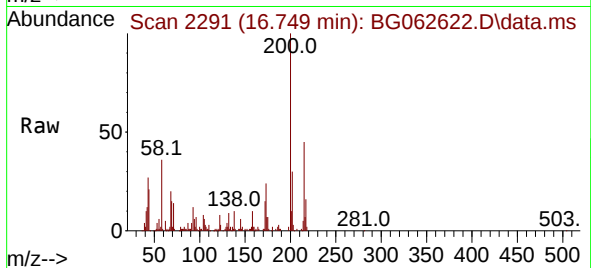
Tgt Ion:200 Resp: 72112

Ion Ratio Lower Upper

200 100

173 23.6 5.2 45.2

215 44.9 27.3 67.3



#70

Pentachlorophenol

Concen: 21.389 ng

RT: 16.943 min Scan# 2324

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

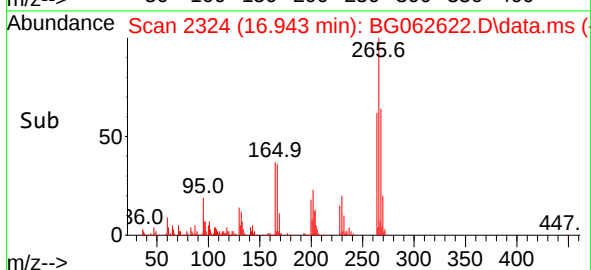
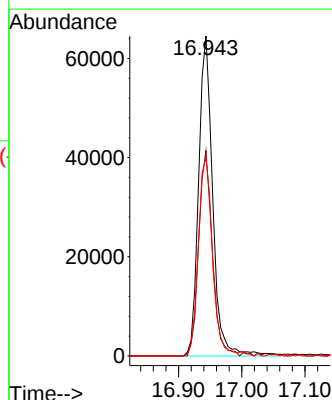
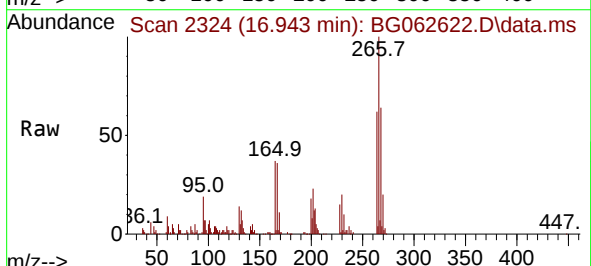
Tgt Ion:266 Resp: 100040

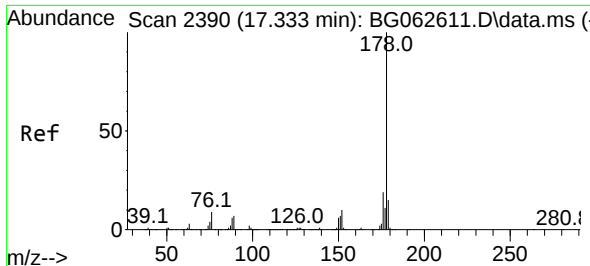
Ion Ratio Lower Upper

266 100

268 68.4 52.6 79.0

264 62.0 51.6 77.4

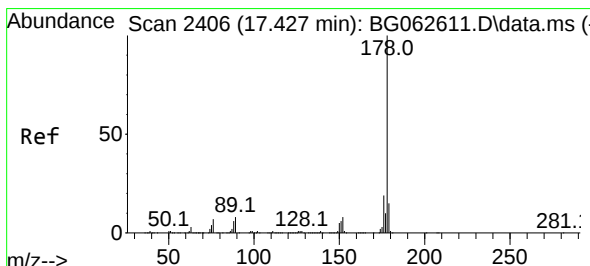
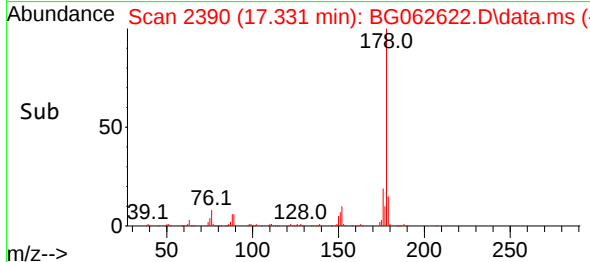
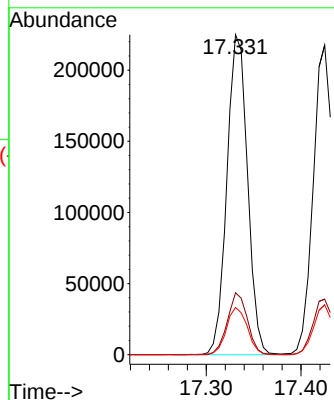
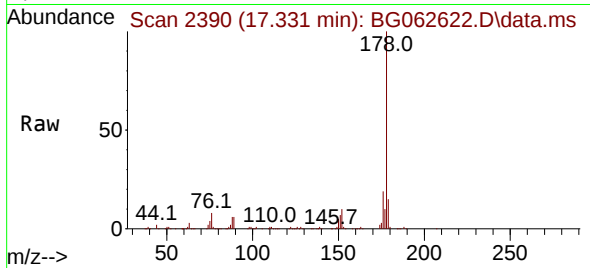




#71
Phenanthrene
Concen: 12.168 ng
RT: 17.331 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

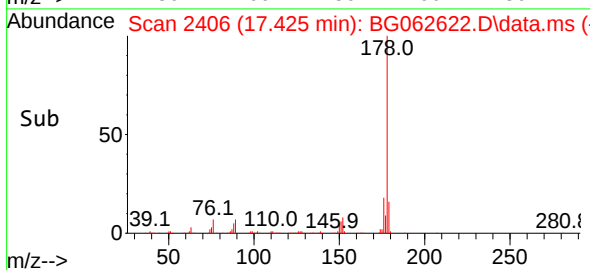
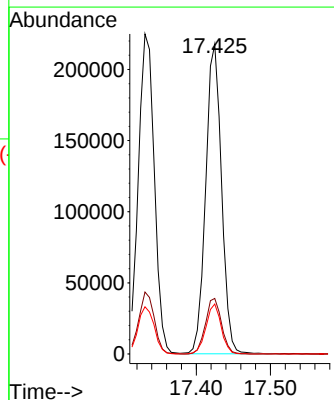
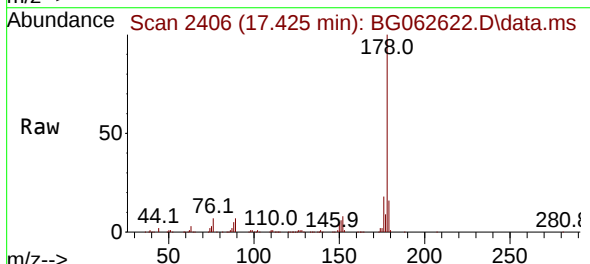
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

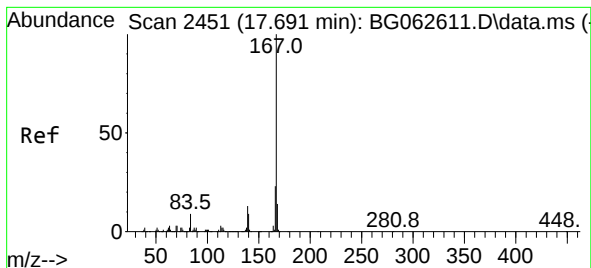
Tgt Ion:178 Resp: 339325
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 14.8 12.2 18.4



#72
Anthracene
Concen: 11.803 ng
RT: 17.425 min Scan# 2406
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:178 Resp: 323625
Ion Ratio Lower Upper
178 100
176 17.9 15.2 22.8
179 16.1 12.0 18.0





#73

Carbazole

Concen: 11.725 ng

RT: 17.689 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

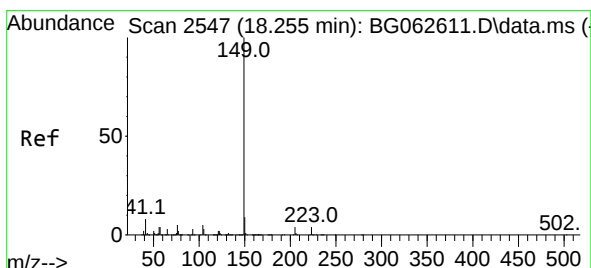
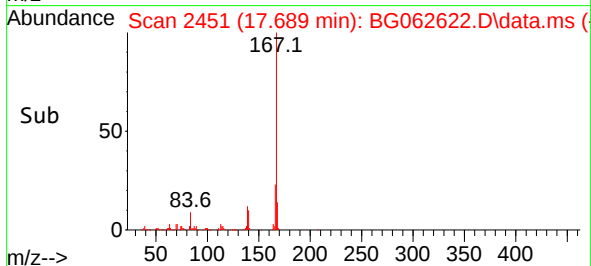
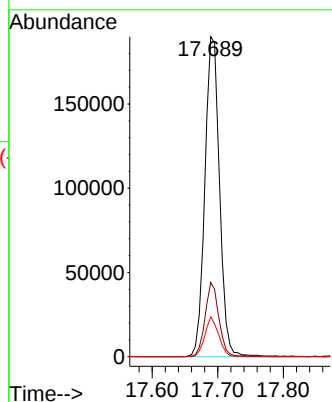
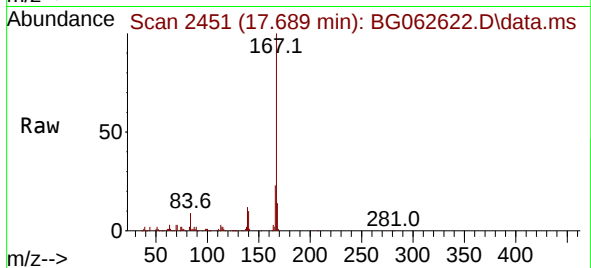
Tgt Ion:167 Resp: 295543

Ion Ratio Lower Upper

167 100

166 23.2 18.2 27.2

139 12.5 10.1 15.1



#74

Di-n-butylphthalate

Concen: 11.329 ng

RT: 18.259 min Scan# 2548

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

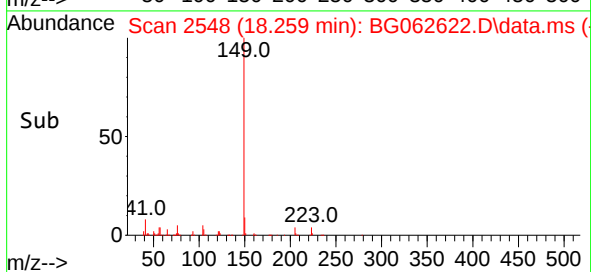
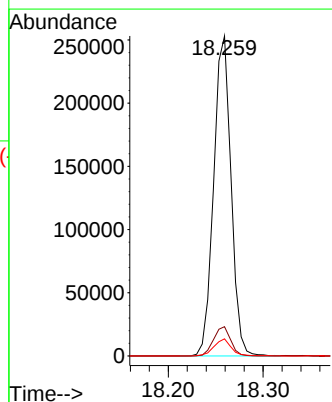
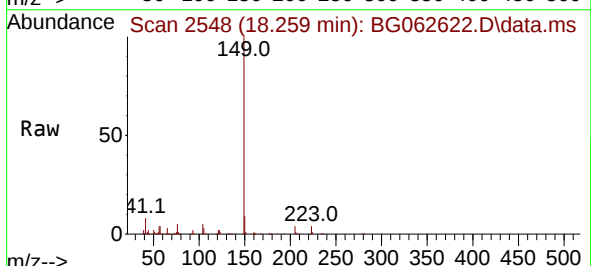
Tgt Ion:149 Resp: 322060

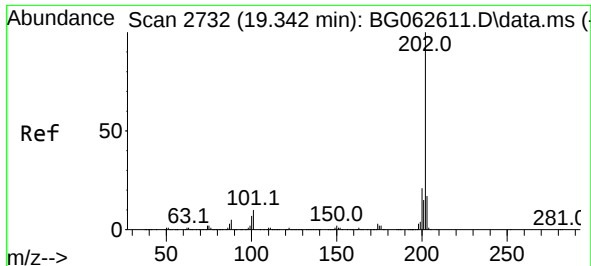
Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 5.4 4.2 6.2

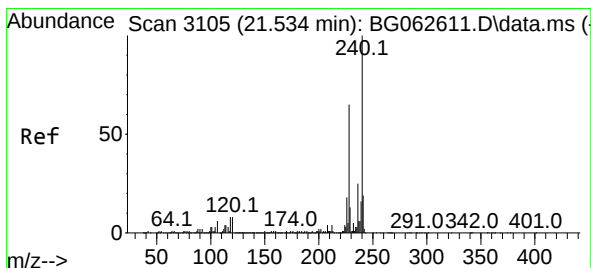
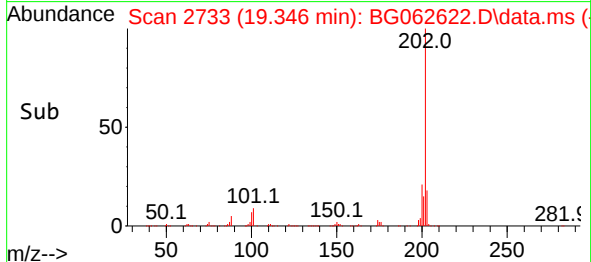
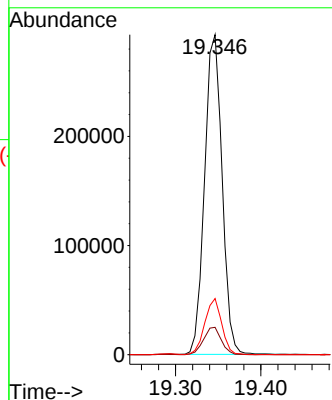
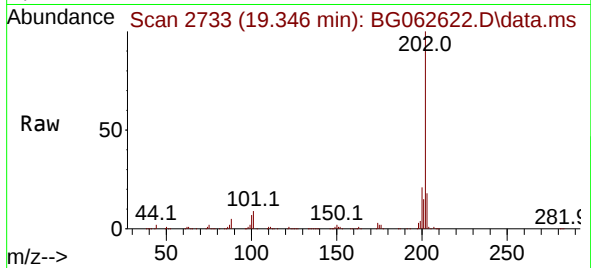




#75
Fluoranthene
Concen: 11.843 ng
RT: 19.346 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

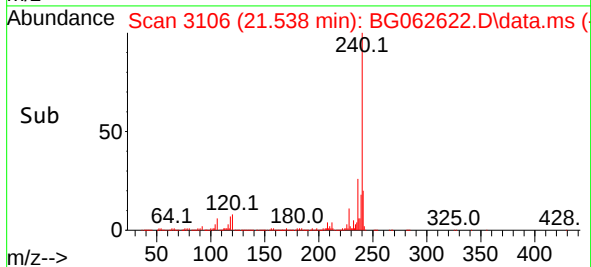
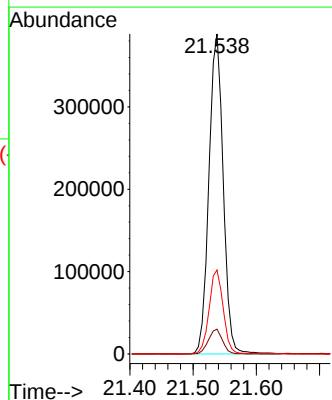
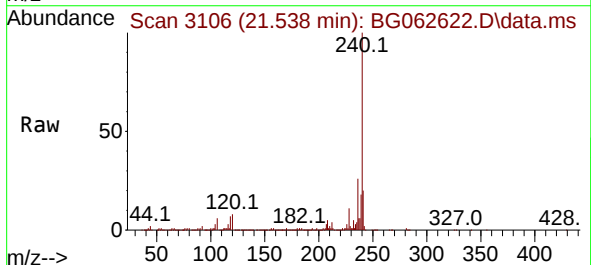
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

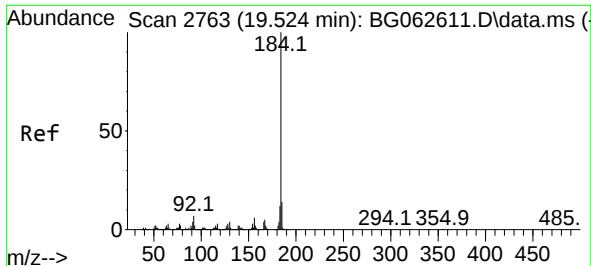
Tgt Ion:202 Resp: 417690
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.6
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.538 min Scan# 3106
Delta R.T. 0.004 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:240 Resp: 609044
Ion Ratio Lower Upper
240 100
120 7.7 6.6 9.8
236 26.2 20.2 30.4

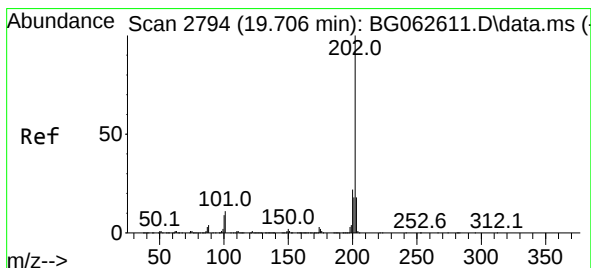
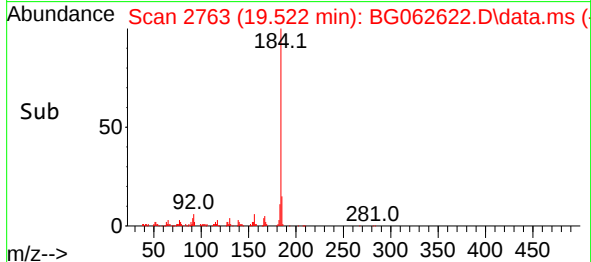
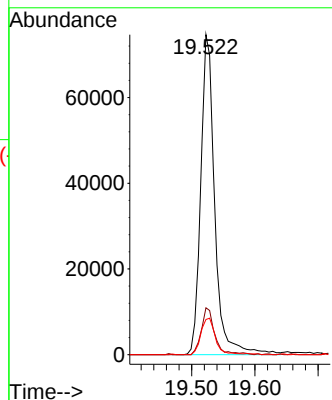
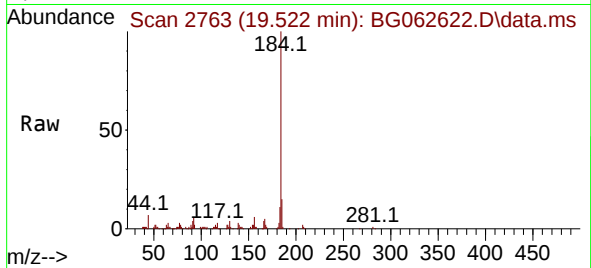




#77
Benzidine
Concen: 10.469 ng
RT: 19.522 min Scan# 2763
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

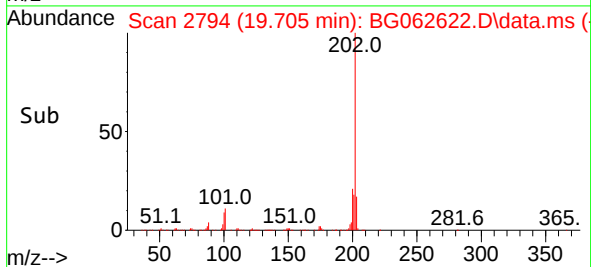
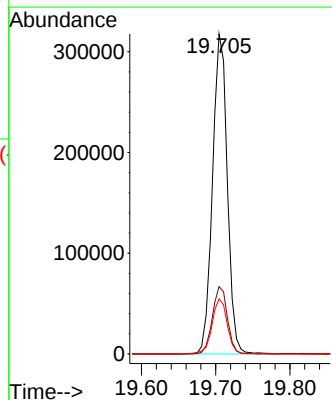
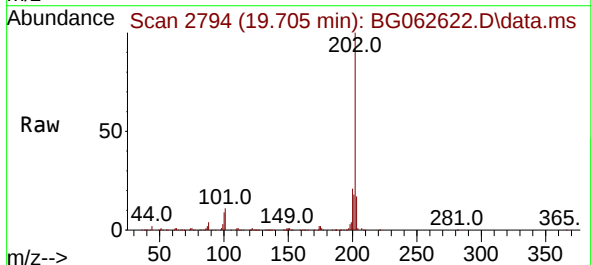
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

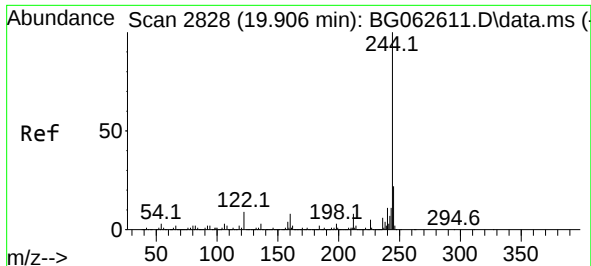
Tgt Ion:184 Resp: 114917
Ion Ratio Lower Upper
184 100
185 14.7 11.0 16.6
183 11.0 9.7 14.5



#78
Pyrene
Concen: 11.342 ng
RT: 19.705 min Scan# 2794
Delta R.T. -0.002 min
Lab File: BG062622.D
Acq: 3 Sep 2024 12:29

Tgt Ion:202 Resp: 439108
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.2 14.1 21.1

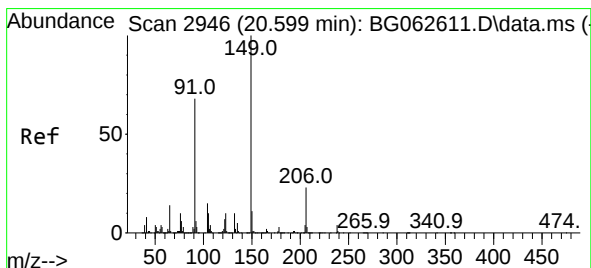
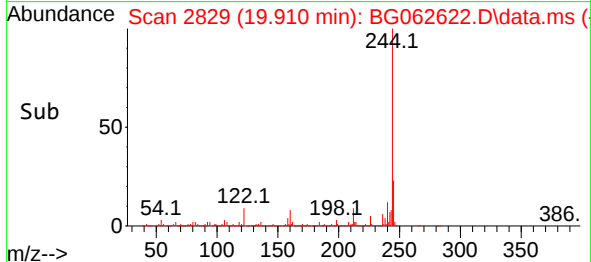
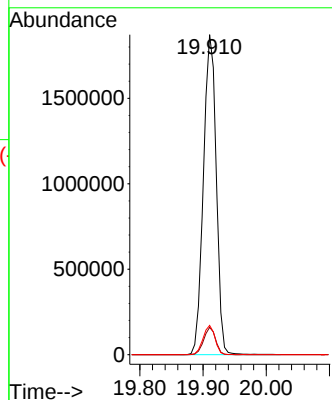
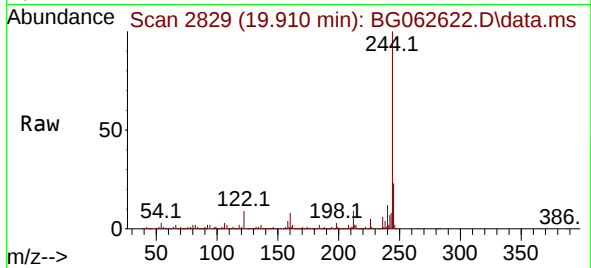




#79
 Terphenyl-d14
 Concen: 85.803 ng
 RT: 19.910 min Scan# 2829
 Delta R.T. 0.004 min
 Lab File: BG062622.D
 Acq: 3 Sep 2024 12:29

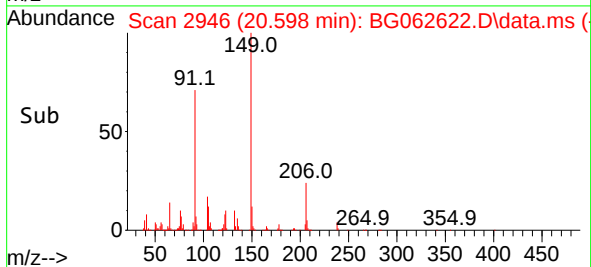
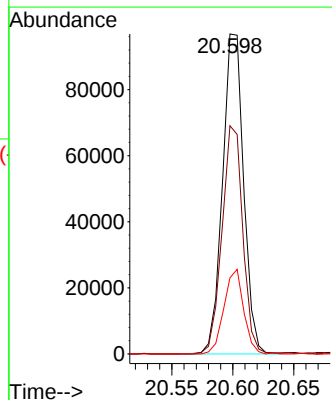
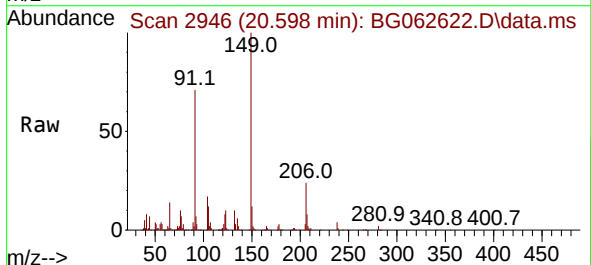
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

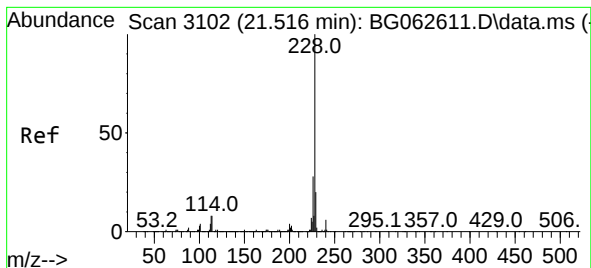
Tgt Ion:244 Resp: 2635508
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.6 10.0
 122 9.2 7.2 10.8



#80
 Butylbenzylphthalate
 Concen: 10.274 ng
 RT: 20.598 min Scan# 2946
 Delta R.T. -0.002 min
 Lab File: BG062622.D
 Acq: 3 Sep 2024 12:29

Tgt Ion:149 Resp: 116834
 Ion Ratio Lower Upper
 149 100
 91 71.3 54.6 81.8
 206 23.8 18.4 27.6





#81

Benzo(a)anthracene

Concen: 11.725 ng

RT: 21.514 min Scan# 3102

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

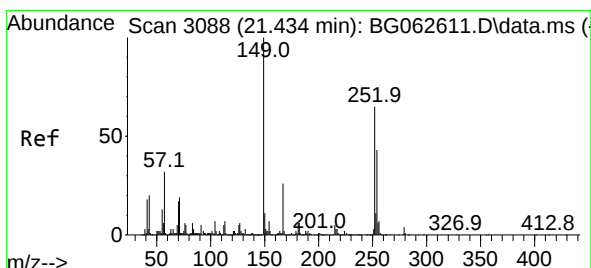
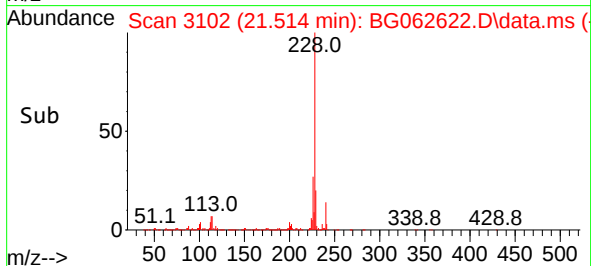
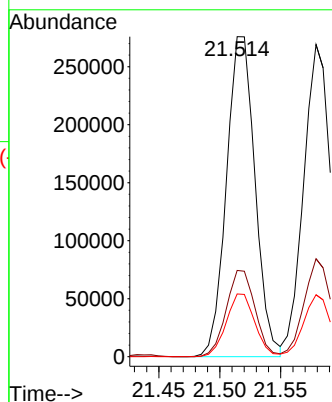
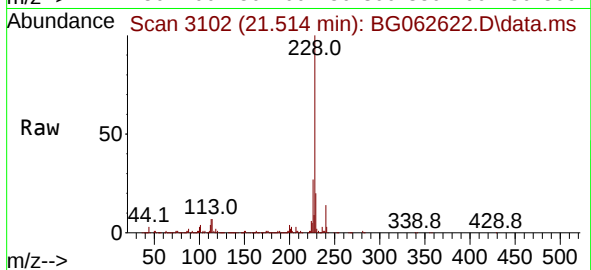
Tgt Ion:228 Resp: 450402

Ion Ratio Lower Upper

228 100

226 26.9 22.3 33.5

229 19.6 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 12.299 ng

RT: 21.438 min Scan# 3089

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

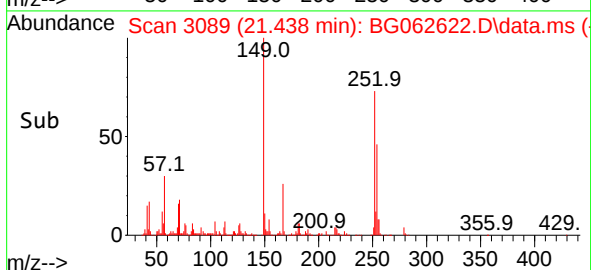
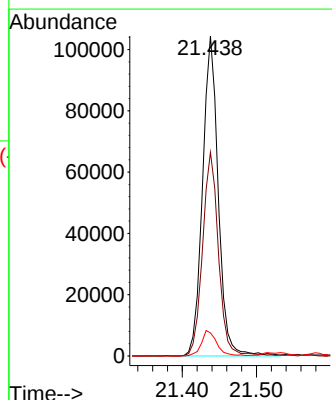
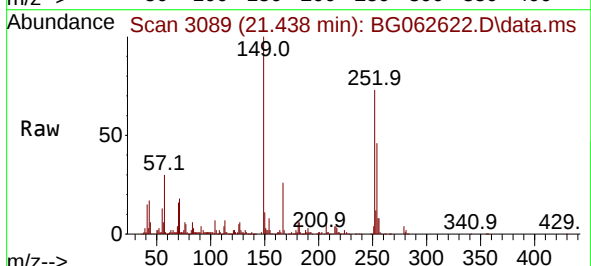
Tgt Ion:252 Resp: 153915

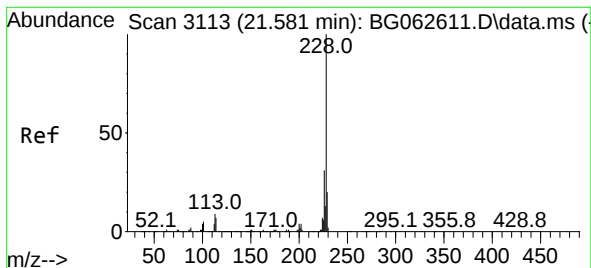
Ion Ratio Lower Upper

252 100

254 63.6 52.2 78.2

126 7.2 6.7 10.1





#83

Chrysene

Concen: 11.566 ng

RT: 21.579 min Scan# 3113

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

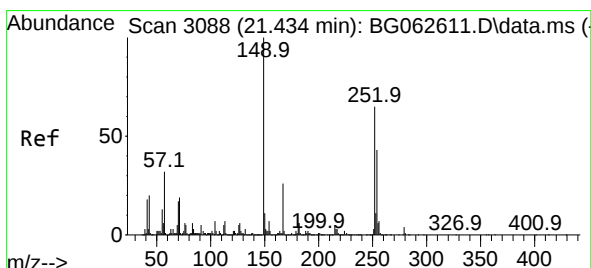
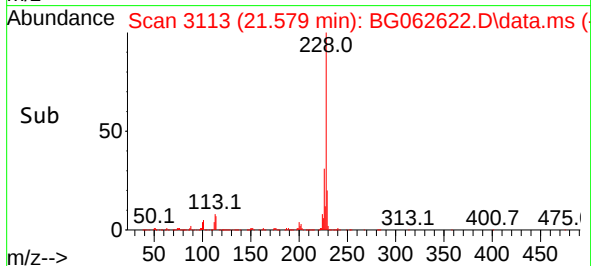
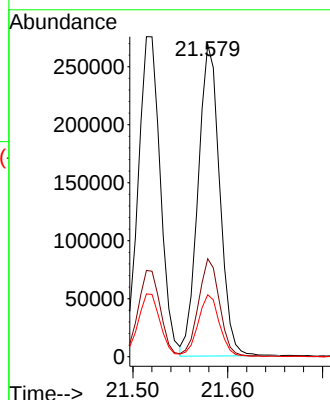
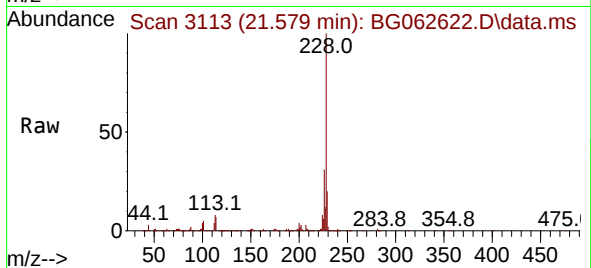
Tgt Ion:228 Resp: 425569

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

229 19.8 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.743 ng

RT: 21.438 min Scan# 3089

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

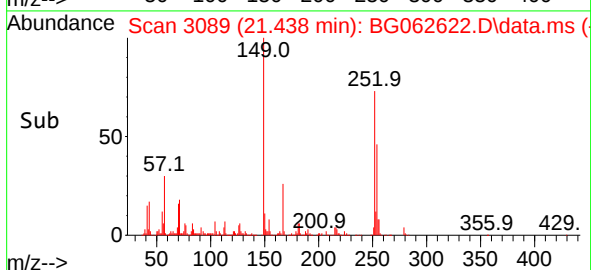
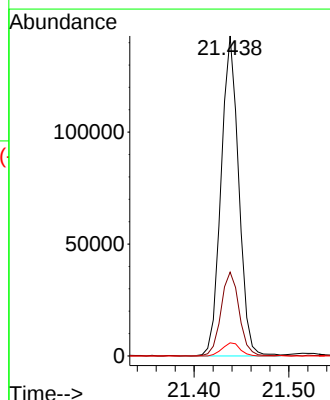
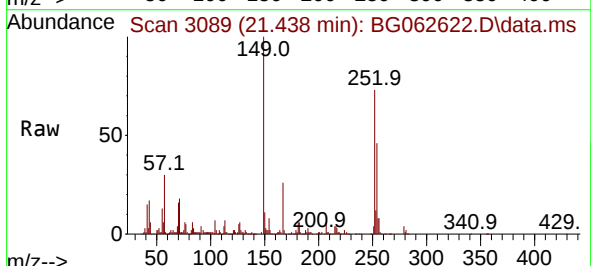
Tgt Ion:149 Resp: 185597

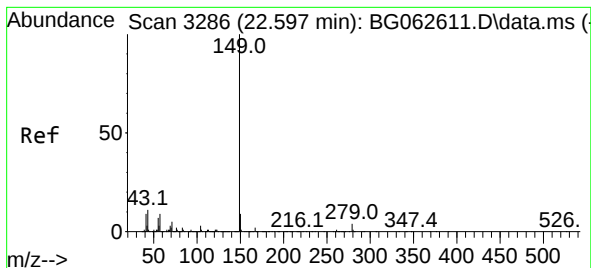
Ion Ratio Lower Upper

149 100

167 26.2 20.5 30.7

279 4.1 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 10.396 ng

RT: 22.601 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

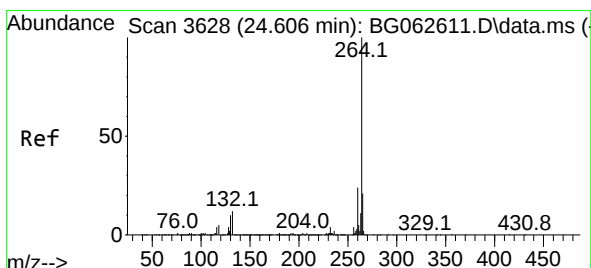
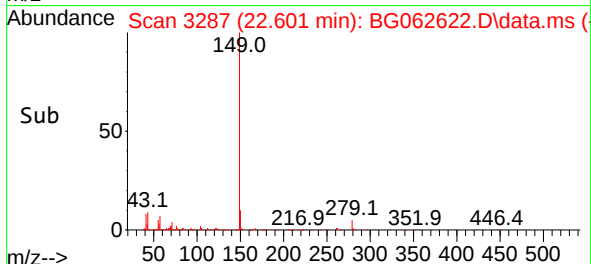
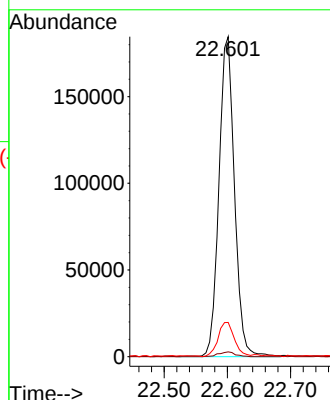
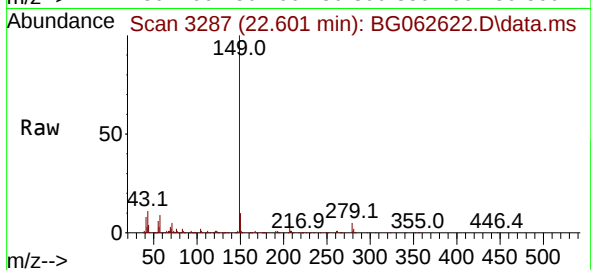
Tgt Ion:149 Resp: 314453

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 11.4 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.605 min Scan# 3628

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

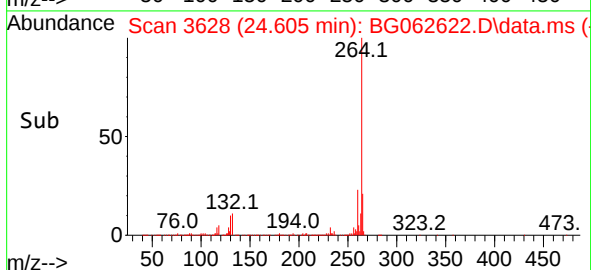
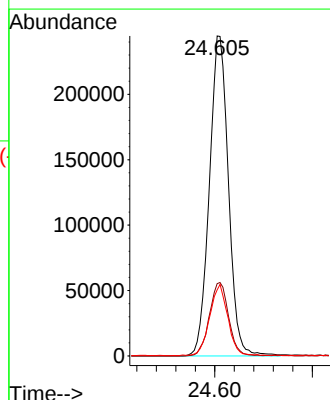
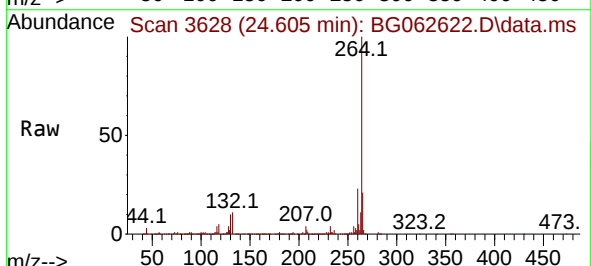
Tgt Ion:264 Resp: 663688

Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.4

265 20.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.931 ng

RT: 28.071 min Scan# 4218

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

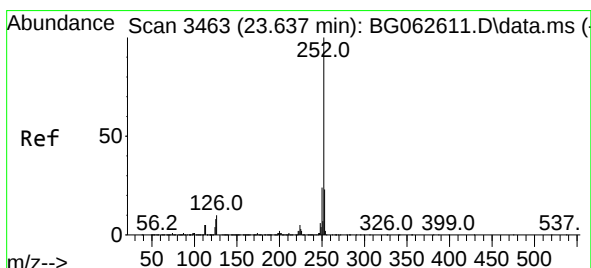
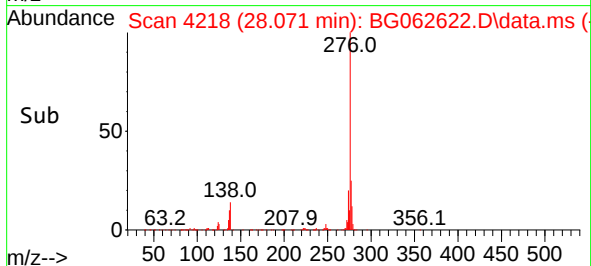
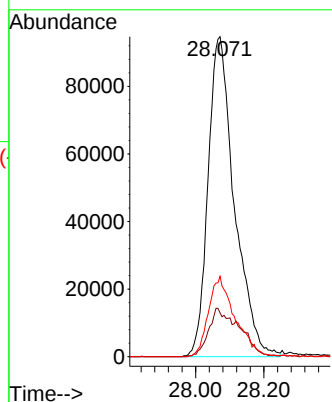
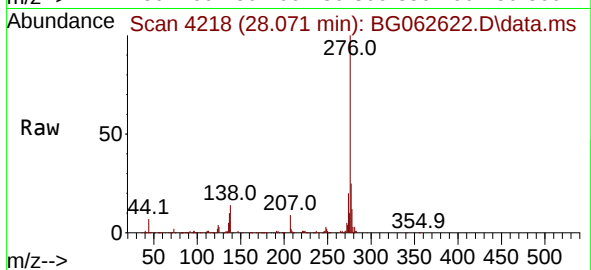
Tgt Ion:276 Resp: 507740

Ion Ratio Lower Upper

276 100

138 17.6 14.9 22.3

277 25.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.472 ng

RT: 23.635 min Scan# 3463

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

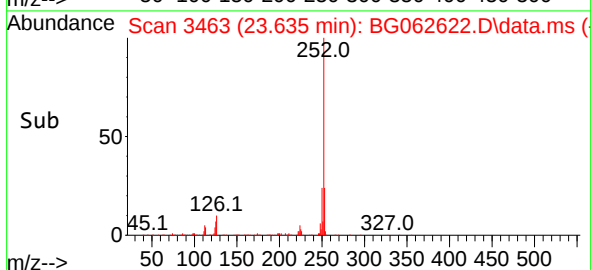
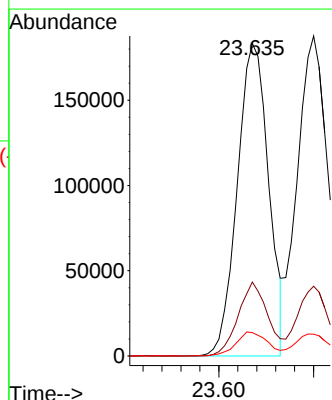
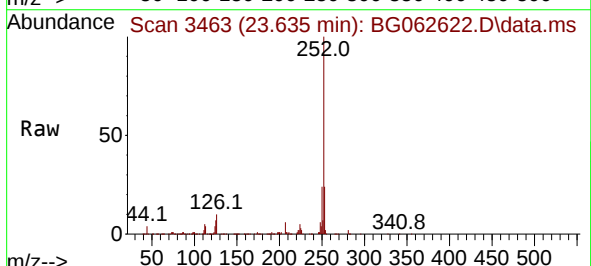
Tgt Ion:252 Resp: 420532

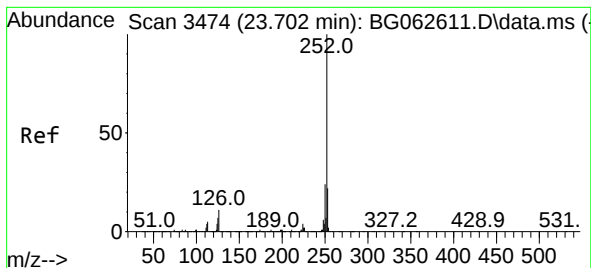
Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

125 7.5 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 12.005 ng

RT: 23.700 min Scan# 34

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

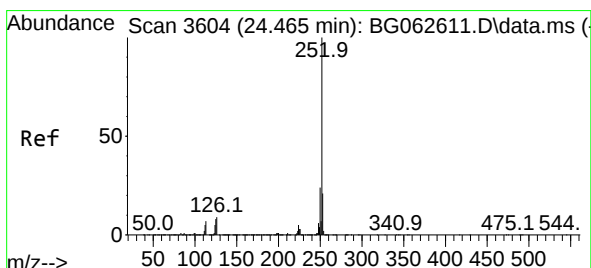
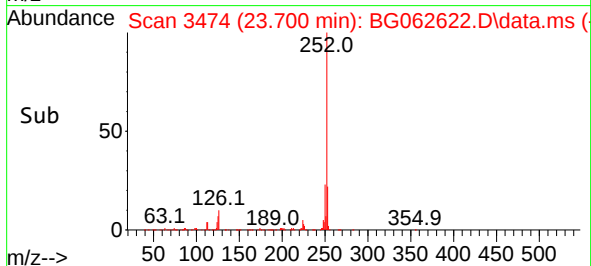
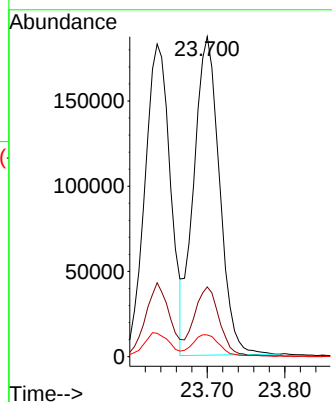
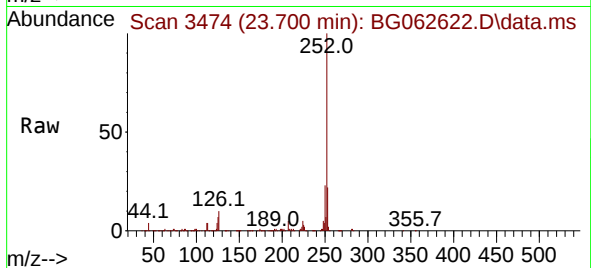
Tgt Ion:252 Resp: 430477

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 6.8 6.1 9.1



#90

Benzo(a)pyrene

Concen: 11.941 ng

RT: 24.464 min Scan# 3604

Delta R.T. -0.002 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

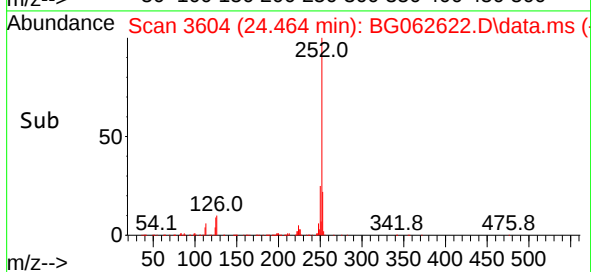
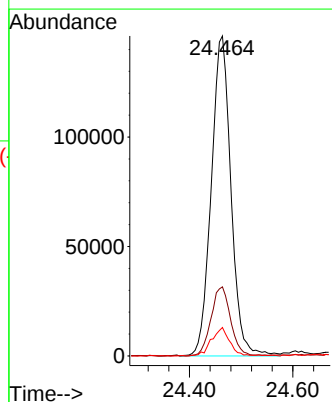
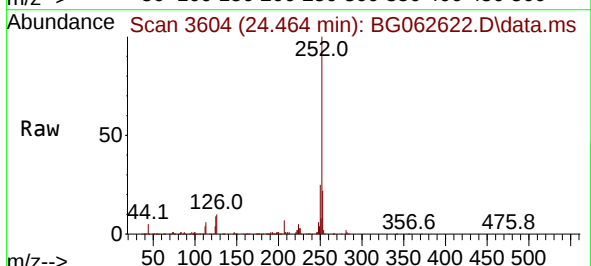
Tgt Ion:252 Resp: 386712

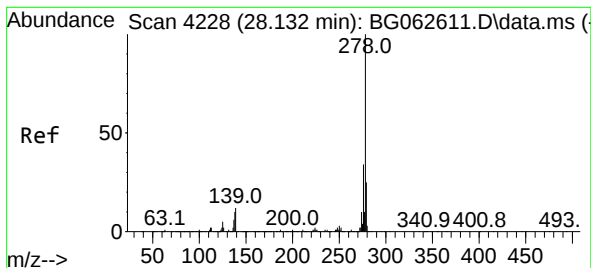
Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 8.9 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 11.867 ng

RT: 28.124 min Scan# 41

Delta R.T. -0.008 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

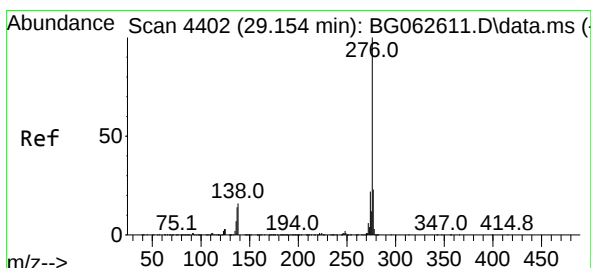
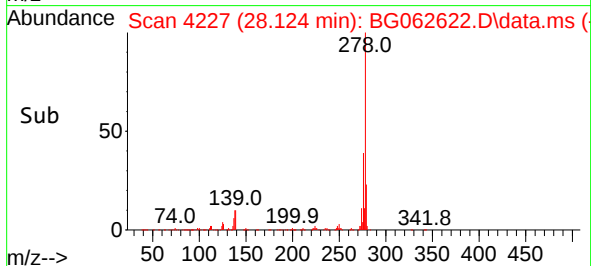
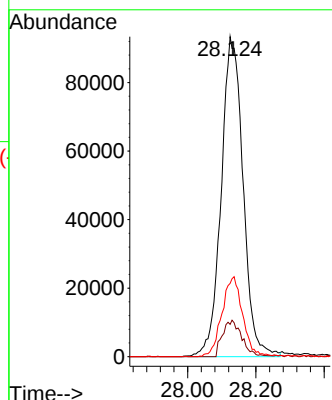
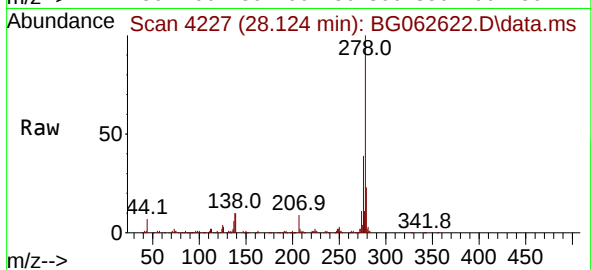
Tgt Ion:278 Resp: 416025

Ion Ratio Lower Upper

278 100

139 10.1 9.2 13.8

279 22.9 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 11.212 ng

RT: 29.158 min Scan# 4403

Delta R.T. 0.004 min

Lab File: BG062622.D

Acq: 3 Sep 2024 12:29

Tgt Ion:276 Resp: 396358

Ion Ratio Lower Upper

276 100

277 22.2 18.8 28.2

138 12.7 12.7 19.1

