

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090324\
 Data File : BG062620.D
 Acq On : 3 Sep 2024 11:09
 Operator : MA/JU
 Sample : P3390-02
 Misc : LOQ--SOIL-5ng
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 04 04:51:58 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	55785	20.000	ng	0.00
21) Naphthalene-d8	10.715	136	245094	20.000	ng	0.00
39) Acenaphthene-d10	14.546	164	199844	20.000	ng	0.00
64) Phenanthrene-d10	17.290	188	560214	20.000	ng	0.00
76) Chrysene-d12	21.532	240	574875	20.000	ng	0.00
86) Perylene-d12	24.605	264	622917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	378870	117.396	ng	0.00
7) Phenol-d6	7.090	99	532005	114.108	ng	0.00
23) Nitrobenzene-d5	9.076	82	421573	92.635	ng	0.00
42) 2,4,6-Tribromophenol	16.032	330	365407	129.926	ng	0.00
45) 2-Fluorobiphenyl	13.171	172	1146723	92.945	ng	0.00
79) Terphenyl-d14	19.910	244	2436523	84.040	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.412	88	7766	5.776	ng	97
3) Pyridine	3.805	79	19809	5.114	ng	95
4) n-Nitrosodimethylamine	3.717	42	10337	5.489	ng	# 75
6) Aniline	7.248	93	26092	5.990	ng	98
8) 2-Chlorophenol	7.489	128	18316	5.286	ng	93
9) Benzaldehyde	7.060	77	19230	7.091	ng	94
10) Phenol	7.113	94	23798	5.042	ng	86
11) bis(2-Chloroethyl)ether	7.342	93	19593	5.422	ng	97
12) 1,3-Dichlorobenzene	7.812	146	20139	5.297	ng	94
13) 1,4-Dichlorobenzene	7.959	146	20456	5.228	ng	94
14) 1,2-Dichlorobenzene	8.271	146	19879	5.168	ng	96
15) Benzyl Alcohol	8.153	79	17086	4.953	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.435	45	35085	5.094	ng	99
17) 2-Methylphenol	8.359	107	15883	4.828	ng	96
18) Hexachloroethane	8.999	117	6815	4.645	ng	# 80
19) n-Nitroso-di-n-propyla...	8.717	70	18257	4.970	ng	97
20) 3+4-Methylphenols	8.688	107	22154	4.564	ng	92
22) Acetophenone	8.735	105	34855	5.272	ng	# 97
24) Nitrobenzene	9.117	77	26429	5.462	ng	99
25) Isophorone	9.634	82	50673	5.072	ng	99
26) 2-Nitrophenol	9.828	139	8378	4.582	ng	95
27) 2,4-Dimethylphenol	9.886	122	8348	3.116	ng	92
28) bis(2-Chloroethoxy)met...	10.121	93	26887	5.028	ng	# 96
29) 2,4-Dichlorophenol	10.362	162	18022	4.811	ng	95
30) 1,2,4-Trichlorobenzene	10.580	180	21789	4.907	ng	95
31) Naphthalene	10.762	128	63711	5.244	ng	98
32) Benzoic acid	10.051	122	537	0.186	ng	# 79
33) 4-Chloroaniline	10.874	127	25558	5.346	ng	# 89
34) Hexachlorobutadiene	11.056	225	15527	5.007	ng	91
35) Caprolactam	11.614	113	7336	5.080	ng	# 89
36) 4-Chloro-3-methylphenol	11.990	107	21848	4.836	ng	96
37) 2-Methylnaphthalene	12.372	142	47531	5.045	ng	96
38) 1-Methylnaphthalene	12.589	142	47159	4.984	ng	96
40) 1,2,4,5-Tetrachloroben...	12.736	216	33160	5.518	ng	99
41) Hexachlorocyclopentadiene	12.724	237	5459	3.184	ng	91
43) 2,4,6-Trichlorophenol	12.977	196	19212	5.043	ng	95

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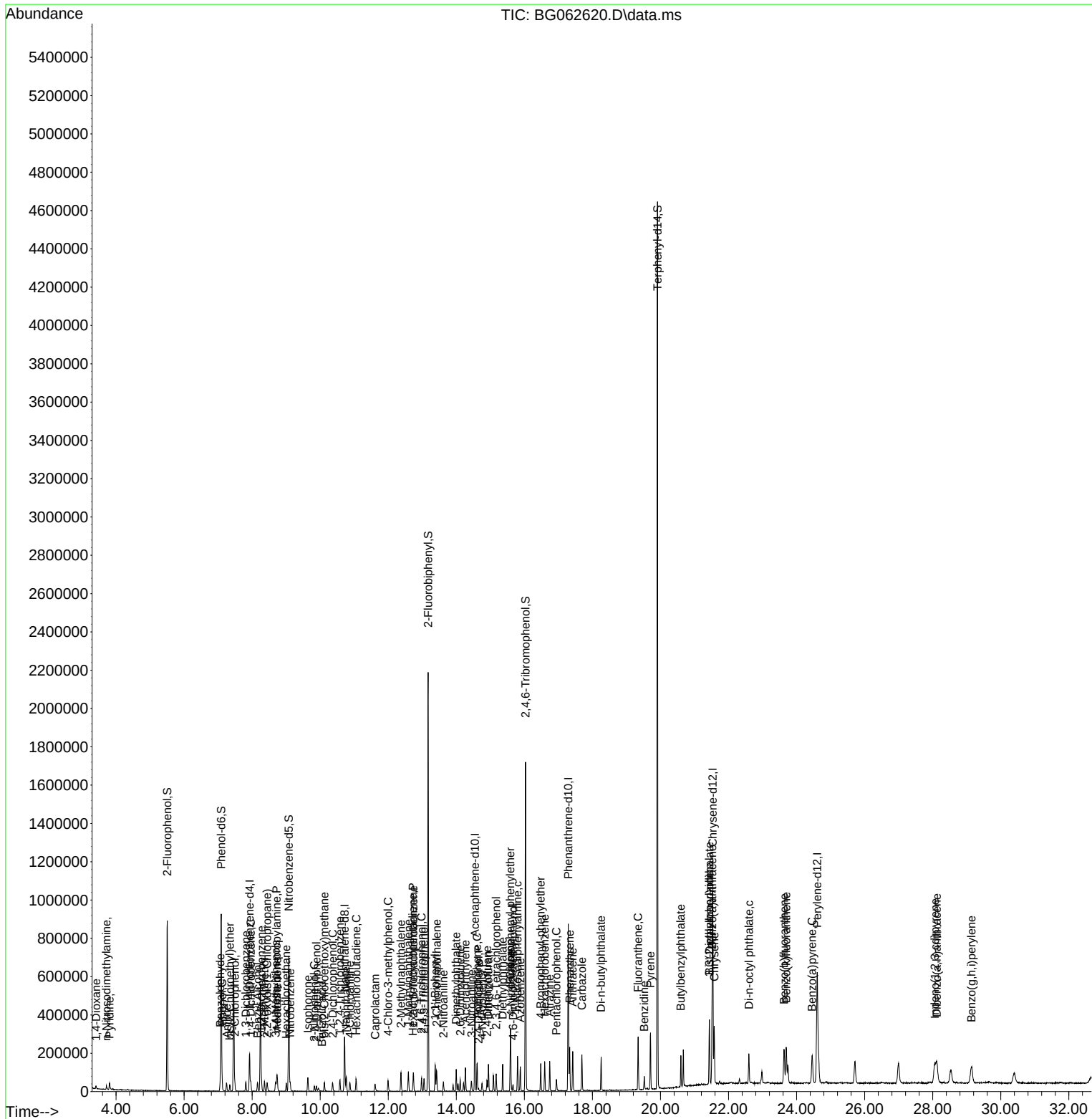
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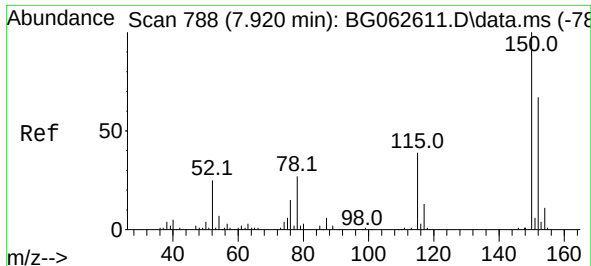
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.047	196	22399	5.191	ng	97
46) 1,1'-Biphenyl	13.376	154	74945	5.621	ng	96
47) 2-Chloronaphthalene	13.423	162	57085	5.283	ng	96
48) 2-Nitroaniline	13.623	65	13846	4.872	ng	91
49) Acenaphthylene	14.264	152	92030	5.751	ng	99
50) Dimethylphthalate	13.993	163	78403	5.365	ng	97
51) 2,6-Dinitrotoluene	14.117	165	11710	4.237	ng	93
52) Acenaphthene	14.610	154	54308	5.429	ng	99
53) 3-Nitroaniline	14.446	138	12747	4.766	ng	99
54) 2,4-Dinitrophenol	14.651	184	4575	2.949	ng	97
55) Dibenzofuran	14.939	168	96094	5.602	ng	96
56) 4-Nitrophenol	14.757	139	10162	4.483	ng	87
57) 2,4-Dinitrotoluene	14.904	165	17053	4.522	ng #	99
58) Fluorene	15.592	166	75326	5.595	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.169	232	22214	5.435	ng	98
60) Diethylphthalate	15.362	149	78268	5.404	ng	99
61) 4-Chlorophenyl-phenyle...	15.586	204	43963	5.688	ng	93
62) 4-Nitroaniline	15.603	138	14388	4.879	ng	95
63) Azobenzene	15.879	77	72766	5.350	ng	98
65) 4,6-Dinitro-2-methylph...	15.668	198	8642	3.457	ng	91
66) n-Nitrosodiphenylamine	15.797	169	68733	5.103	ng	99
67) 4-Bromophenyl-phenylether	16.479	248	29153	5.042	ng	95
68) Hexachlorobenzene	16.596	284	35498	5.184	ng	94
69) Atrazine	16.743	200	30606	6.690	ng	95
70) Pentachlorophenol	16.937	266	14771	3.368	ng	96
71) Phenanthrene	17.331	178	145464	5.563	ng	100
72) Anthracene	17.419	178	135290	5.262	ng	97
73) Carbazole	17.689	167	124241	5.257	ng	98
74) Di-n-butylphthalate	18.253	149	128826	4.833	ng	99
75) Fluoranthene	19.340	202	180375	5.454	ng	98
77) Benzidine	19.522	184	45039	4.347	ng	97
78) Pyrene	19.704	202	192216	5.260	ng	99
80) Butylbenzylphthalate	20.597	149	46279	4.312	ng	99
81) Benzo(a)anthracene	21.514	228	192331	5.304	ng	99
82) 3,3'-Dichlorobenzidine	21.432	252	62180	5.264	ng	97
83) Chrysene	21.579	228	188503	5.428	ng	99
84) Bis(2-ethylhexyl)phtha...	21.438	149	74936	4.595	ng	96
85) Di-n-octyl phthalate	22.595	149	125911	4.410	ng	99
87) Indeno(1,2,3-cd)pyrene	28.059	276	209604	5.248	ng #	93
88) Benzo(b)fluoranthene	23.629	252	181272	5.269	ng	95
89) Benzo(k)fluoranthene	23.694	252	180411	5.360	ng	98
90) Benzo(a)pyrene	24.452	252	161465	5.312	ng	98
91) Dibenzo(a,h)anthracene	28.118	278	171468	5.211	ng	98
92) Benzo(g,h,i)perylene	29.134	276	165430	4.986	ng	97

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

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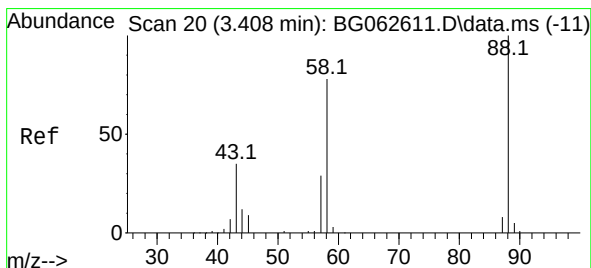
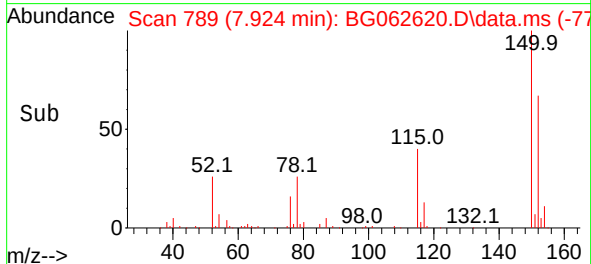
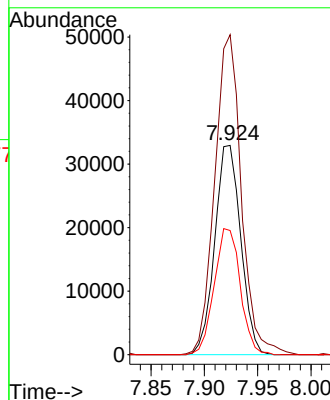
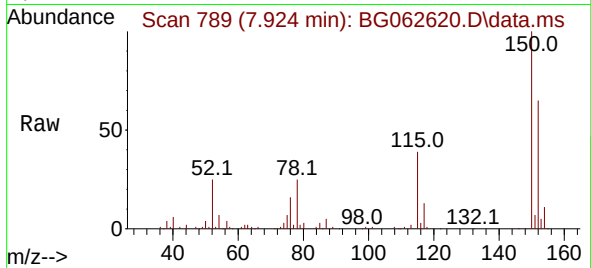




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.924 min Scan# 70
Delta R.T. 0.004 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

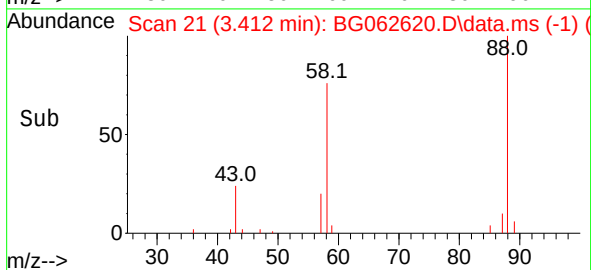
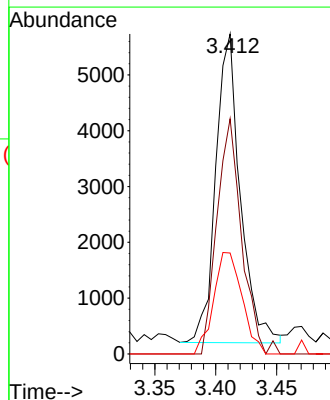
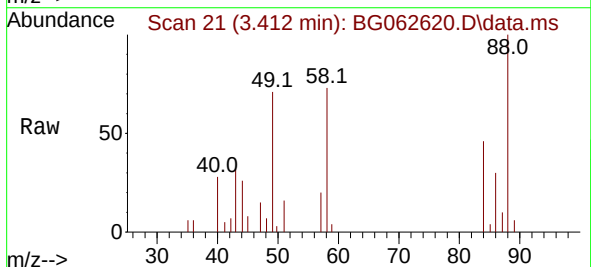
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BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

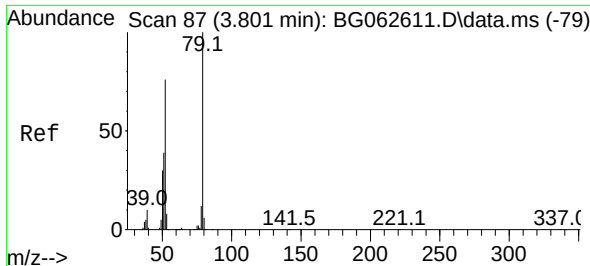
Tgt Ion:152 Resp: 55785
Ion Ratio Lower Upper
152 100
150 152.9 119.9 179.9
115 59.3 46.6 69.8



#2
1,4-Dioxane
Concen: 5.776 ng
RT: 3.412 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion: 88 Resp: 7766
Ion Ratio Lower Upper
88 100
58 76.3 62.3 93.5
43 37.9 27.5 41.3

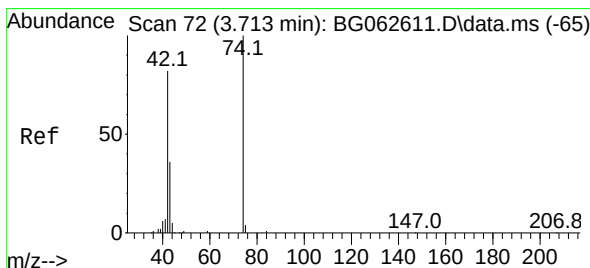
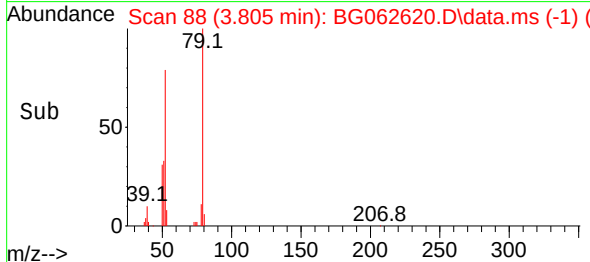
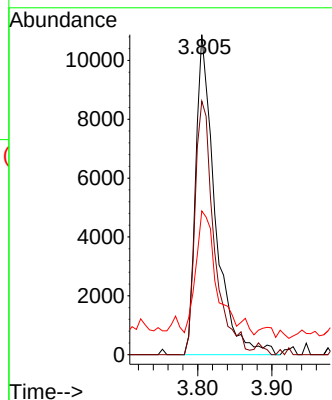
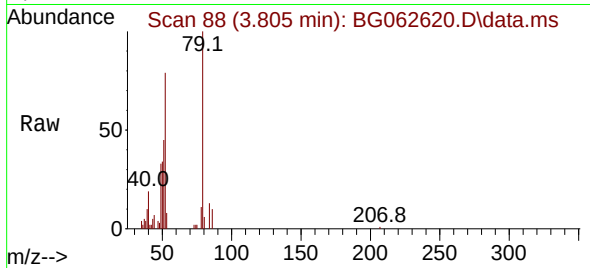




#3
 Pyridine
 Concen: 5.114 ng
 RT: 3.805 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: BG062620.D
 Acq: 3 Sep 2024 11:09

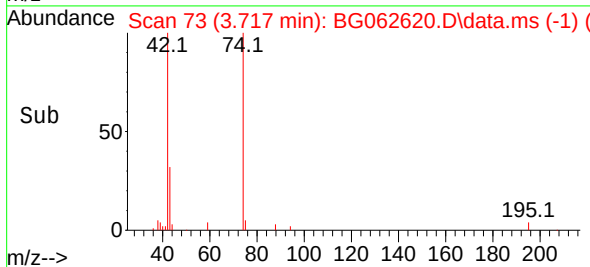
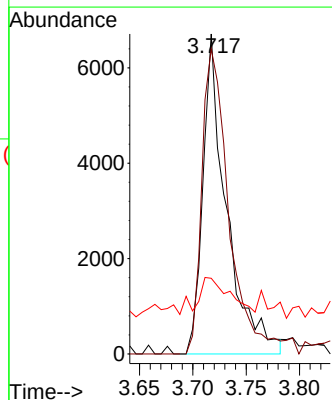
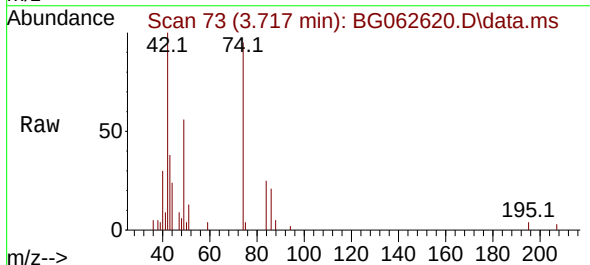
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 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

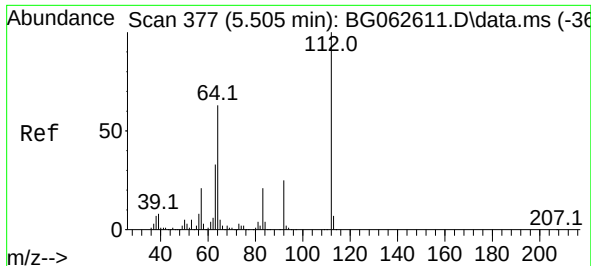
Tgt Ion: 79 Resp: 19809
 Ion Ratio Lower Upper
 79 100
 52 79.2 60.9 91.3
 51 44.9 31.5 47.3



#4
 n-Nitrosodimethylamine
 Concen: 5.489 ng
 RT: 3.717 min Scan# 73
 Delta R.T. 0.004 min
 Lab File: BG062620.D
 Acq: 3 Sep 2024 11:09

Tgt Ion: 42 Resp: 10337
 Ion Ratio Lower Upper
 42 100
 74 95.3 98.0 147.0#
 44 23.7 7.4 11.2#

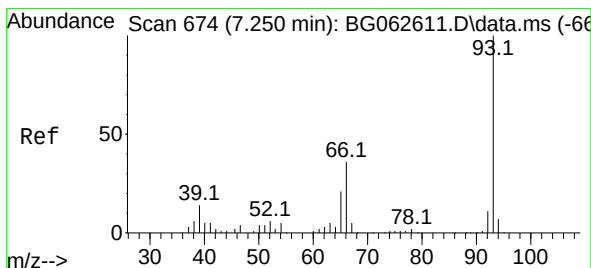
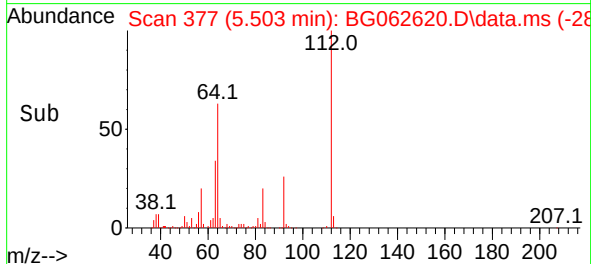
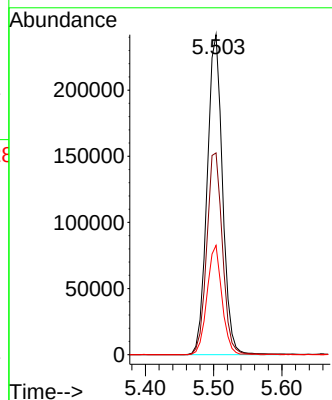
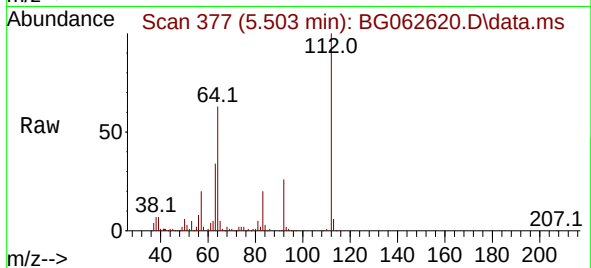




#5
2-Fluorophenol
Concen: 117.396 ng
RT: 5.503 min Scan# 377
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

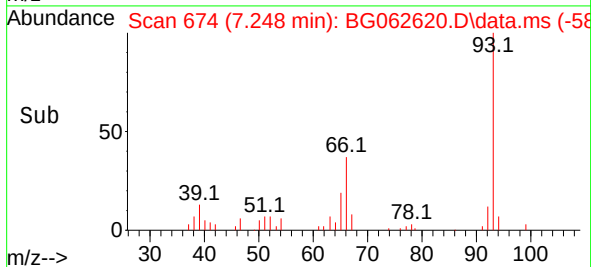
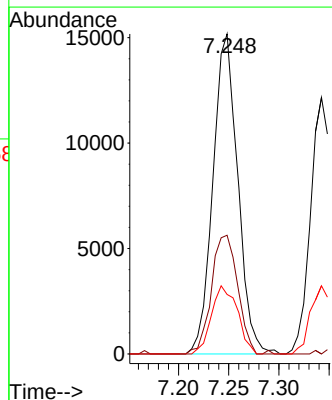
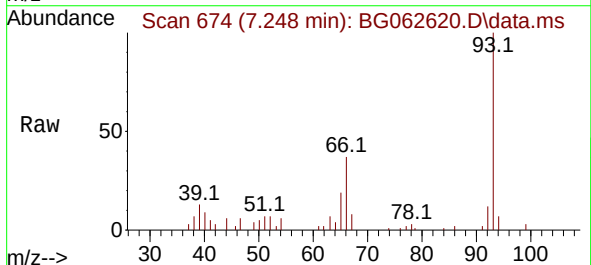
Instrument :
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ClientSampleId :
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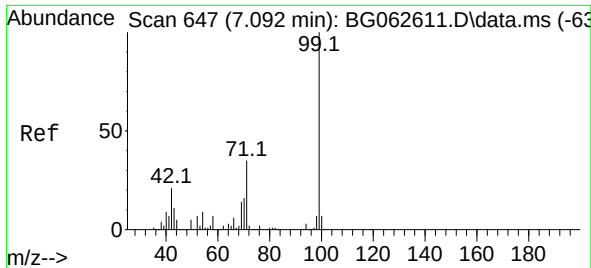
Tgt Ion:112 Resp: 378870
Ion Ratio Lower Upper
112 100
64 63.0 50.2 75.2
63 34.2 26.6 39.8



#6
Aniline
Concen: 5.990 ng
RT: 7.248 min Scan# 674
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion: 93 Resp: 26092
Ion Ratio Lower Upper
93 100
66 37.1 29.1 43.7
65 18.6 16.6 25.0

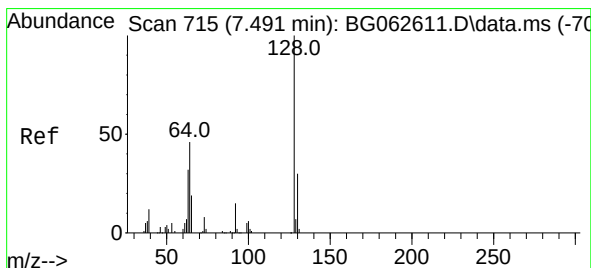
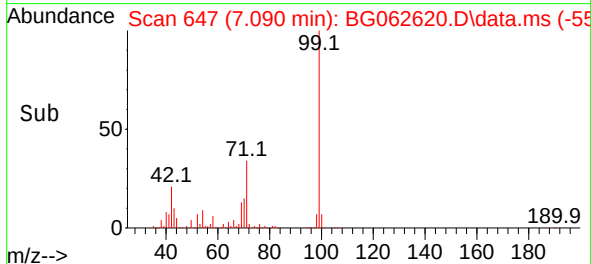
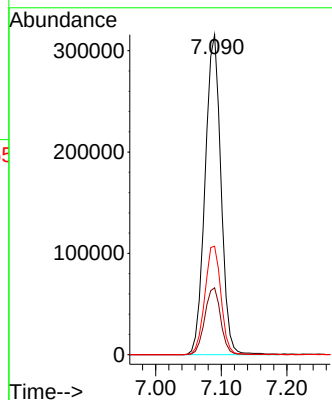
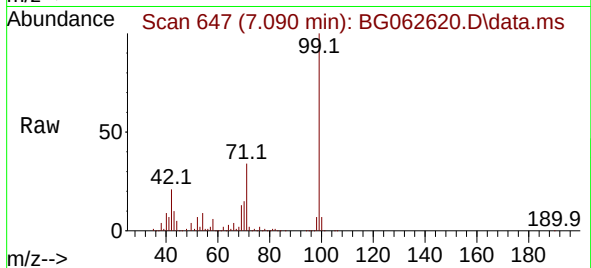




#7
Phenol-d6
Concen: 114.108 ng
RT: 7.090 min Scan# 647
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

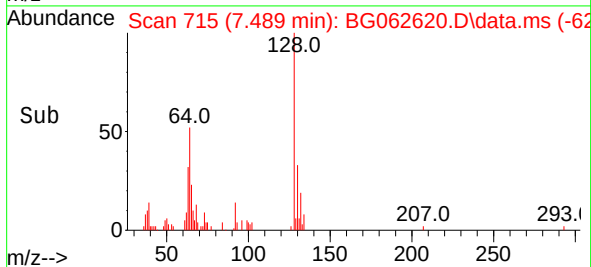
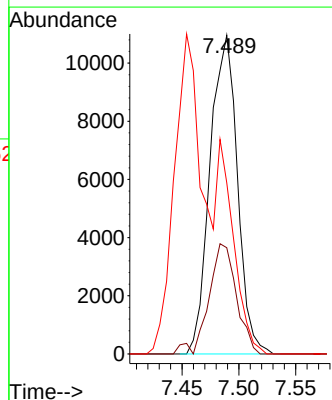
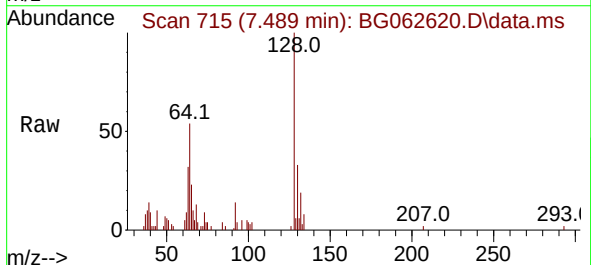
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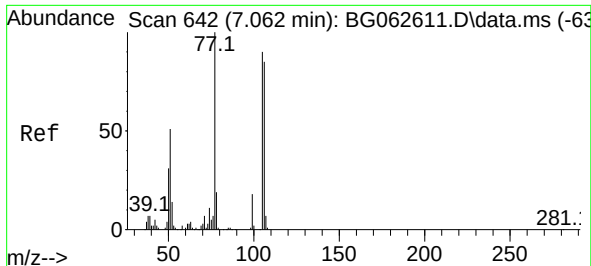
Tgt Ion: 99 Resp: 532005
Ion Ratio Lower Upper
99 100
42 20.9 16.9 25.3
71 33.9 27.9 41.9



#8
2-Chlorophenol
Concen: 5.286 ng
RT: 7.489 min Scan# 715
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:128 Resp: 18316
Ion Ratio Lower Upper
128 100
130 33.3 10.0 50.0
64 53.7 28.8 68.8

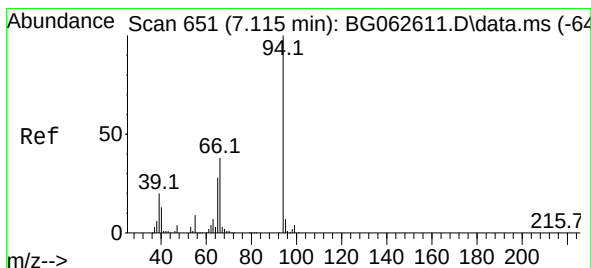
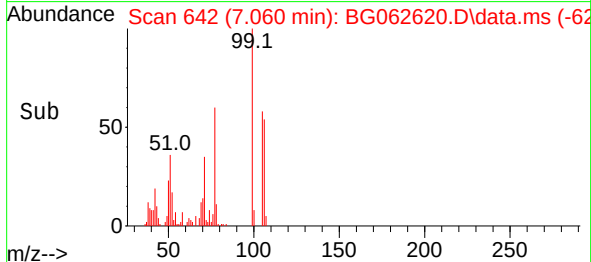
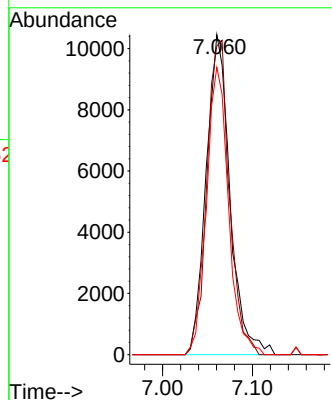
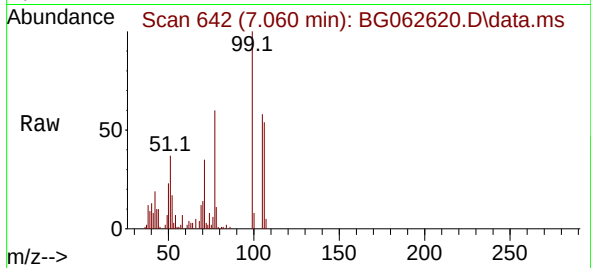




#9
Benzaldehyde
Concen: 7.091 ng
RT: 7.060 min Scan# 642
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

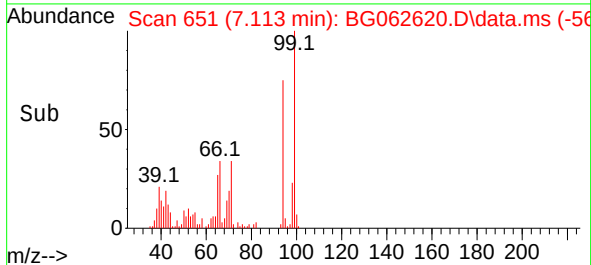
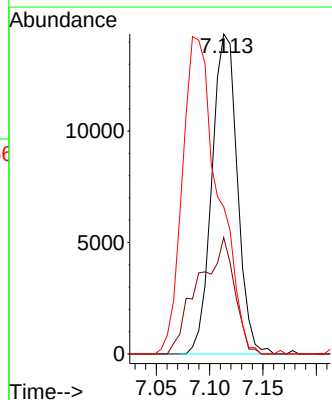
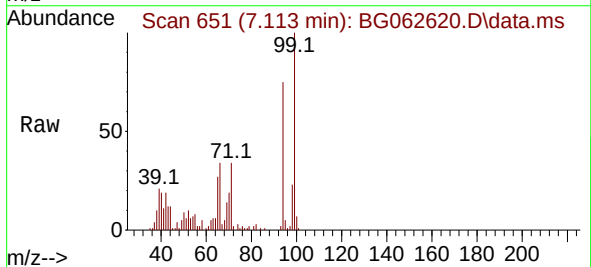
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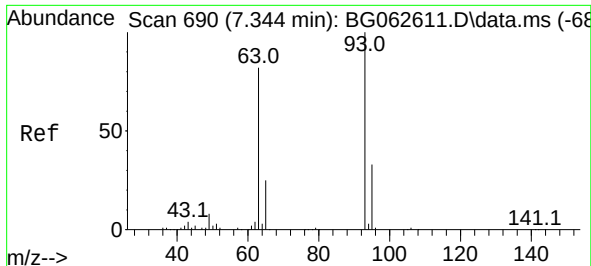
Tgt Ion: 77 Resp: 19230
Ion Ratio Lower Upper
77 100
105 96.5 70.2 110.2
106 89.8 65.4 105.4



#10
Phenol
Concen: 5.042 ng
RT: 7.113 min Scan# 651
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion: 94 Resp: 23798
Ion Ratio Lower Upper
94 100
65 36.4 8.6 48.6
66 46.0 18.2 58.2

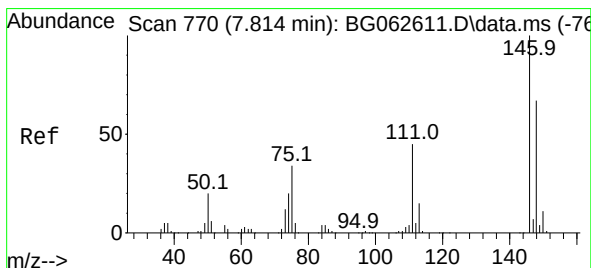
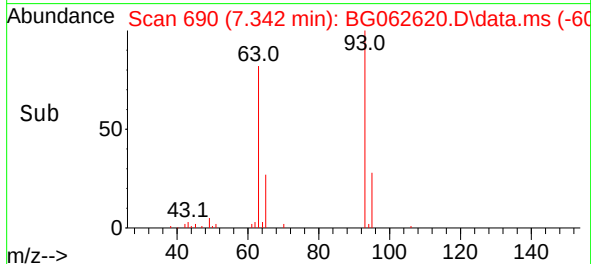
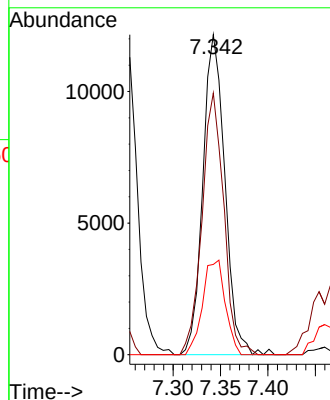
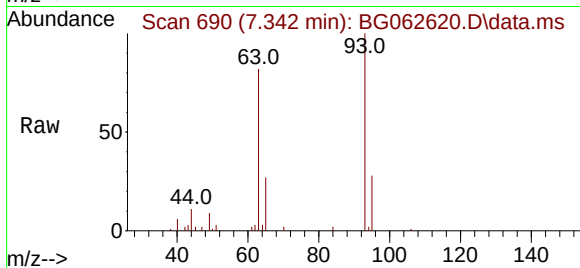




#11
bis(2-Chloroethyl)ether
Concen: 5.422 ng
RT: 7.342 min Scan# 690
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

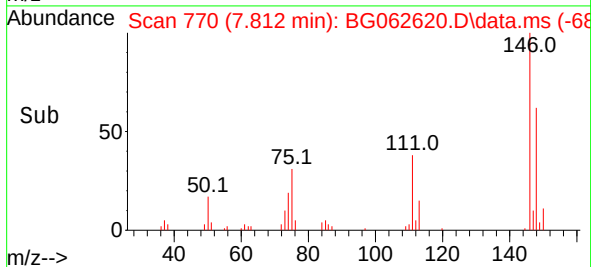
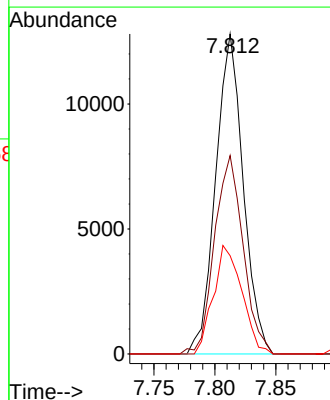
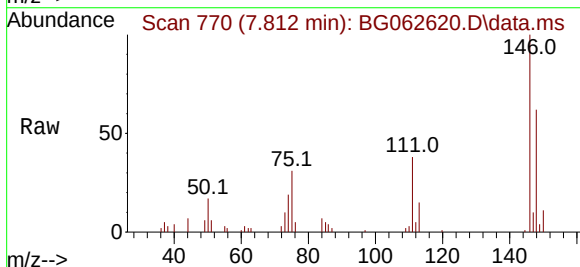
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

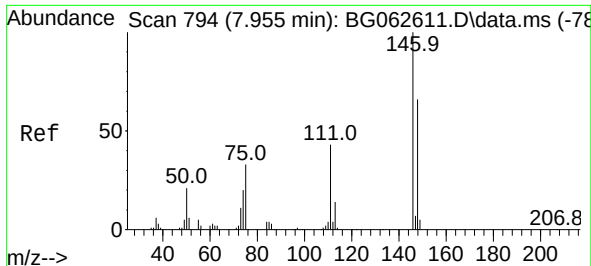
Tgt Ion: 93	Resp:	19593
Ion Ratio	Lower	Upper
93 100		
63 81.7	61.9	101.9
95 28.2	12.9	52.9



#12
1,3-Dichlorobenzene
Concen: 5.297 ng
RT: 7.812 min Scan# 770
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:146	Resp:	20139	
Ion	Ratio	Lower	Upper
146	100		
148	62.0	53.9	80.9
75	30.7	27.0	40.4

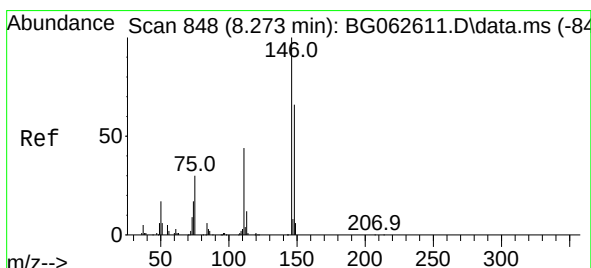
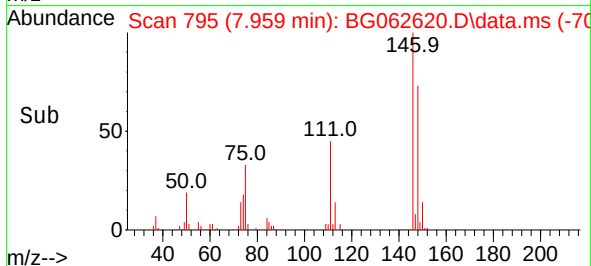
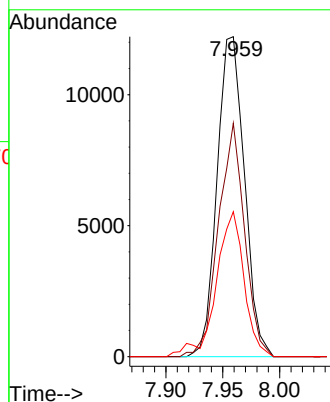
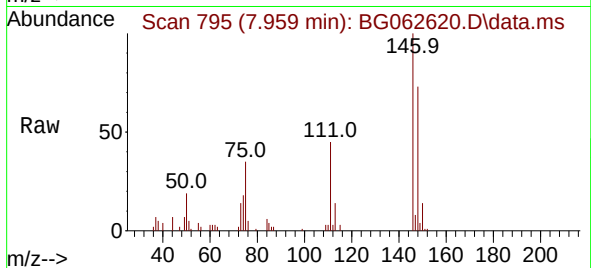




#13
1,4-Dichlorobenzene
Concen: 5.228 ng
RT: 7.959 min Scan# 794
Delta R.T. 0.004 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

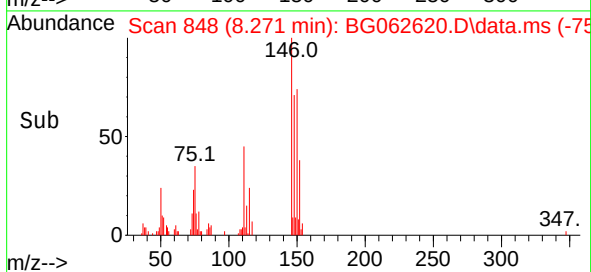
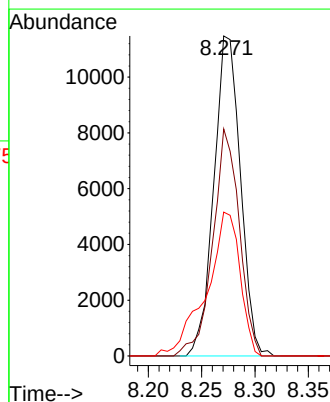
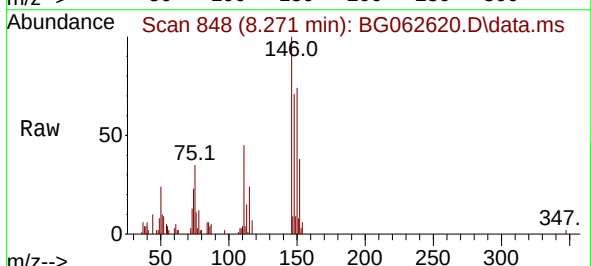
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

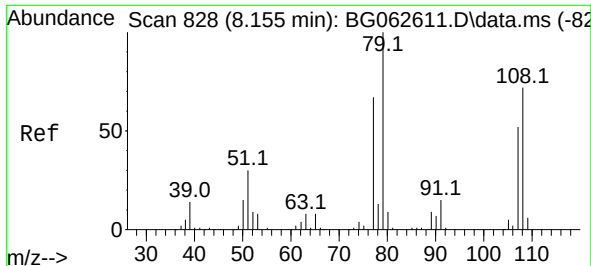
Tgt Ion:146 Resp: 20456
Ion Ratio Lower Upper
146 100
148 73.0 53.0 79.6
111 45.3 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 5.168 ng
RT: 8.271 min Scan# 848
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:146 Resp: 19879
Ion Ratio Lower Upper
146 100
148 71.0 52.5 78.7
111 44.9 35.5 53.3

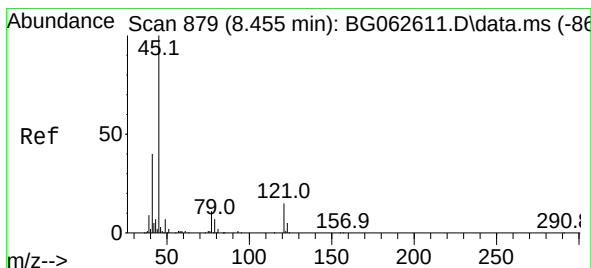
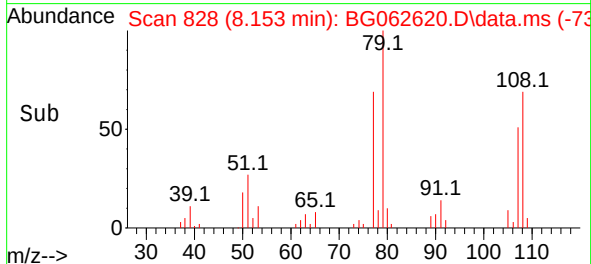
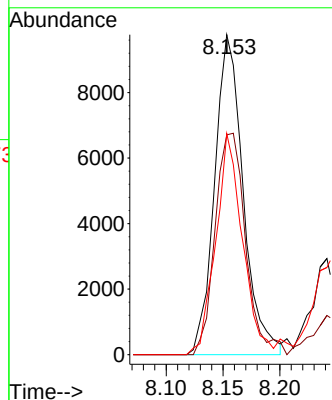
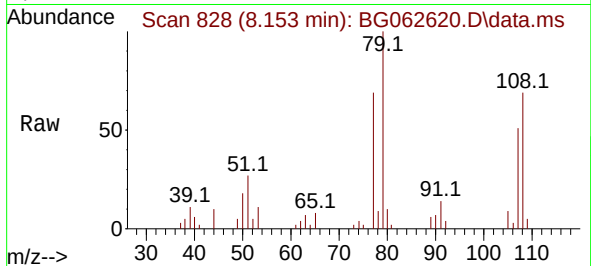




#15
Benzyl Alcohol
Concen: 4.953 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

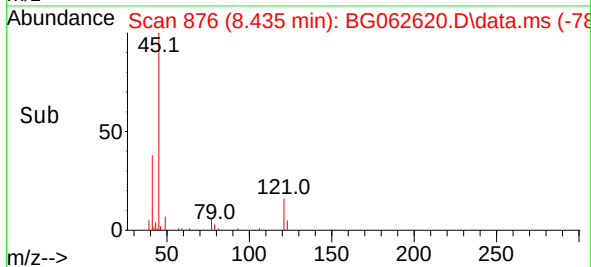
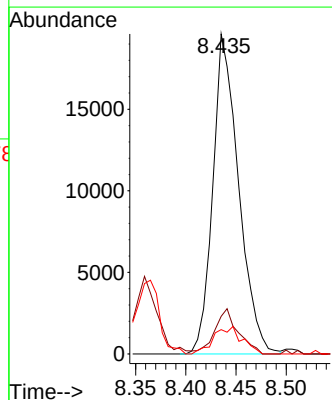
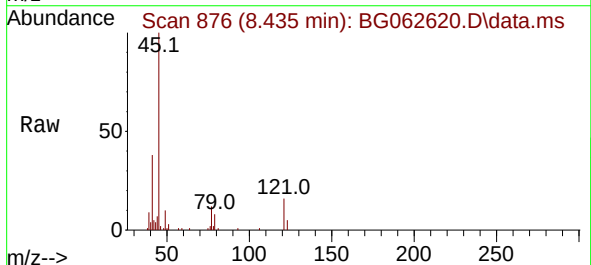
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

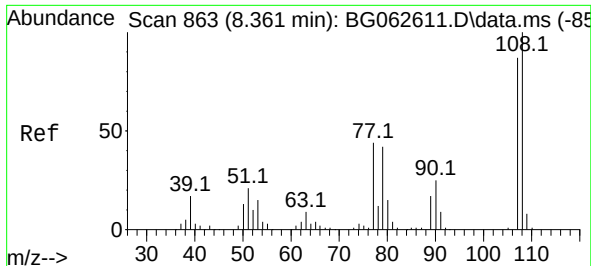
Tgt Ion: 79 Resp: 17086
Ion Ratio Lower Upper
79 100
108 68.7 57.9 86.9
77 69.1 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.094 ng
RT: 8.435 min Scan# 876
Delta R.T. -0.020 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion: 45 Resp: 35085
Ion Ratio Lower Upper
45 100
77 11.7 0.0 31.7
79 7.6 0.0 28.3

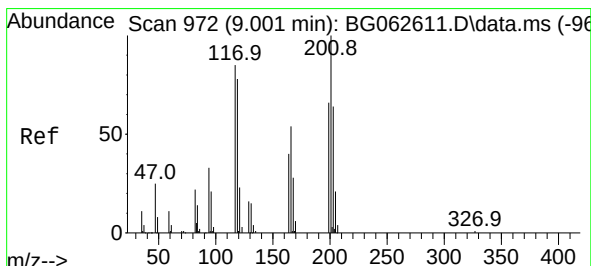
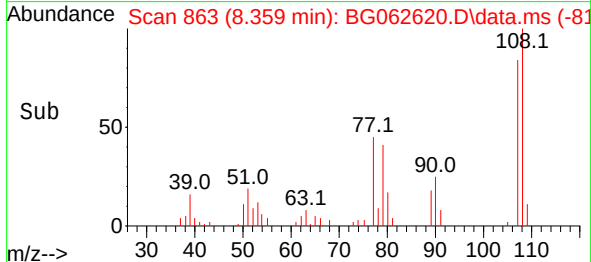
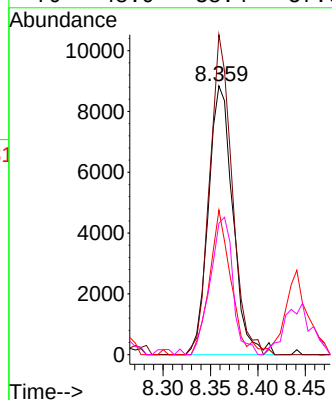
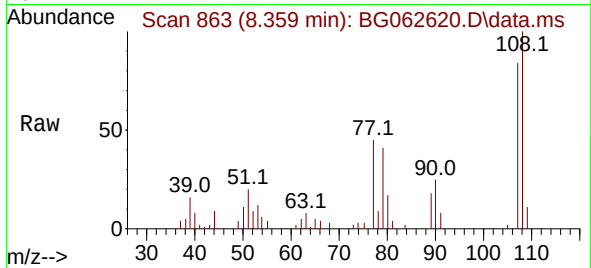




#17
2-Methylphenol
Concen: 4.828 ng
RT: 8.359 min Scan# 863
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

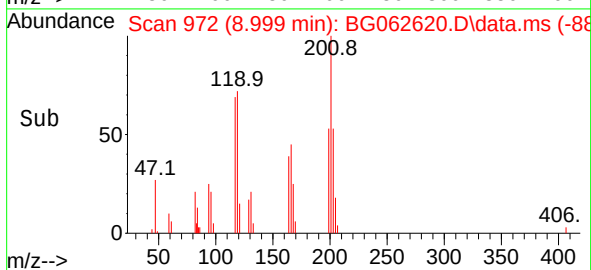
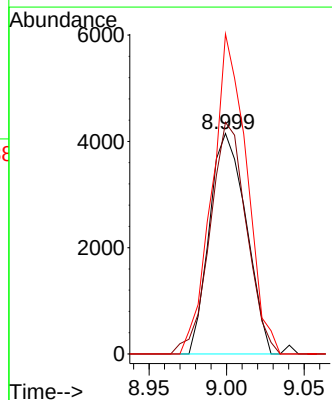
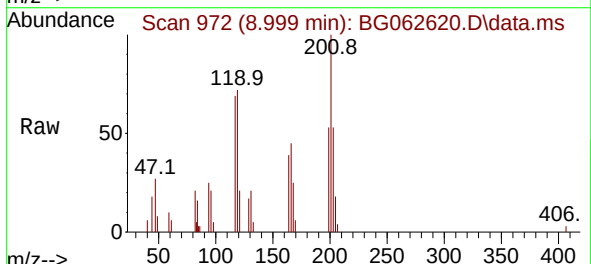
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

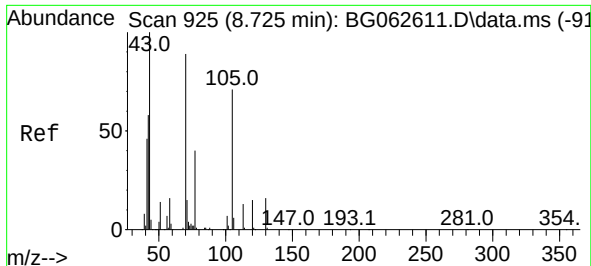
Tgt Ion:	107	Resp:	15883
Ion	Ratio	Lower	Upper
107	100		
108	119.0	91.5	137.3
77	53.8	40.0	60.0
79	48.9	38.4	57.6



#18
Hexachloroethane
Concen: 4.645 ng
RT: 8.999 min Scan# 972
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:	117	Resp:	6815
Ion	Ratio	Lower	Upper
117	100		
119	105.1	73.4	110.0
201	145.1	93.9	140.9#



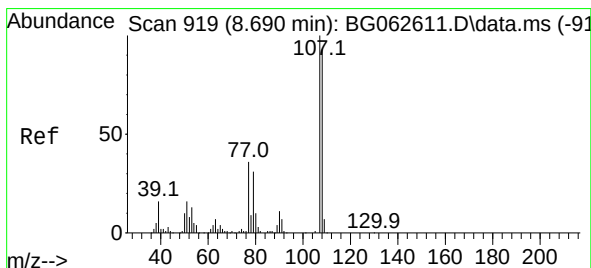
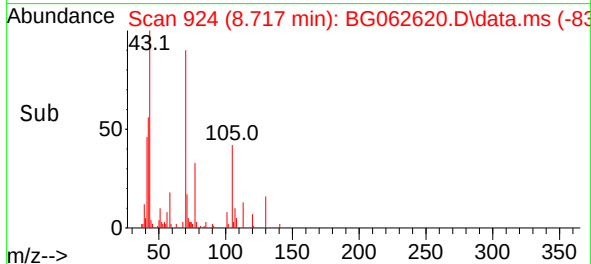
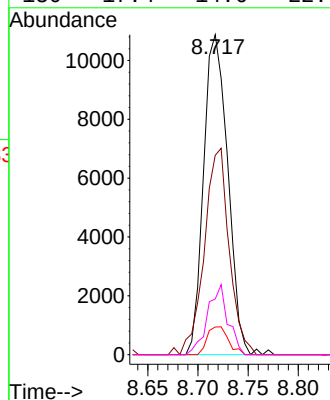
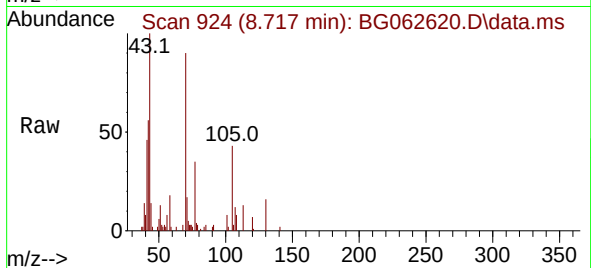


#19
n-Nitroso-di-n-propylamine
Concen: 4.970 ng
RT: 8.717 min Scan# 919
Delta R.T. -0.008 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

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

Tgt Ion: 70 Resp: 18257

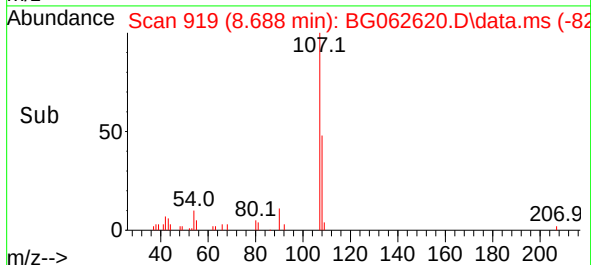
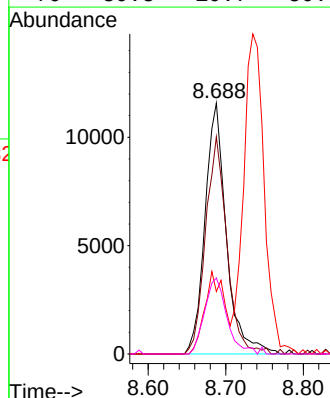
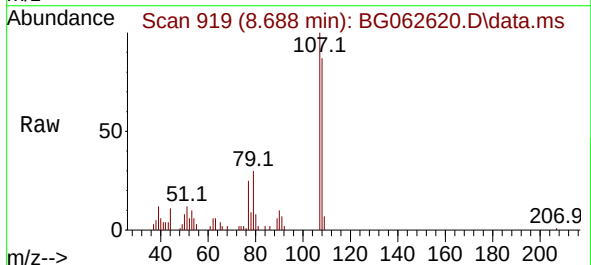
Ion	Ratio	Lower	Upper
70	100		
42	62.3	52.3	78.5
101	8.7	6.6	9.8
130	17.4	14.6	22.0

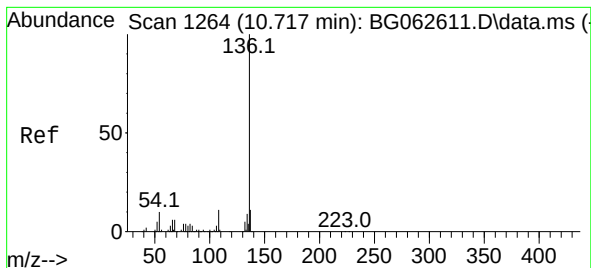


#20
3+4-Methylphenols
Concen: 4.564 ng
RT: 8.688 min Scan# 919
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion: 107 Resp: 22154

Ion	Ratio	Lower	Upper
107	100		
108	86.6	72.7	112.7
77	24.8	16.5	56.5
79	30.3	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: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:136 Resp: 245094

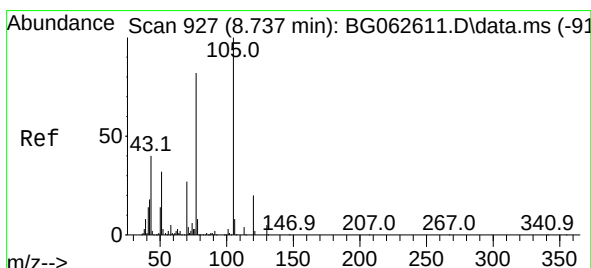
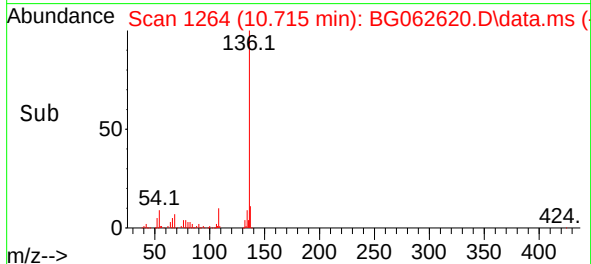
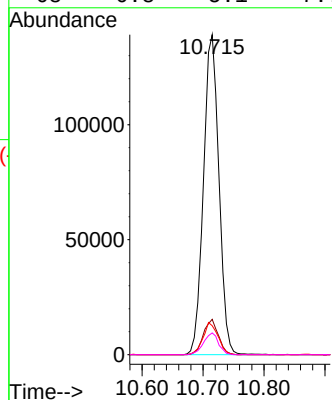
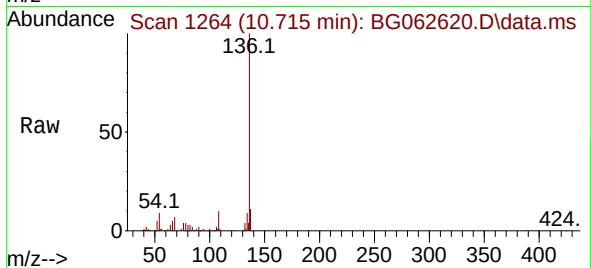
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 9.0 7.8 11.6

68 6.8 5.1 7.7



#22

Acetophenone

Concen: 5.272 ng

RT: 8.735 min Scan# 927

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Tgt Ion:105 Resp: 34855

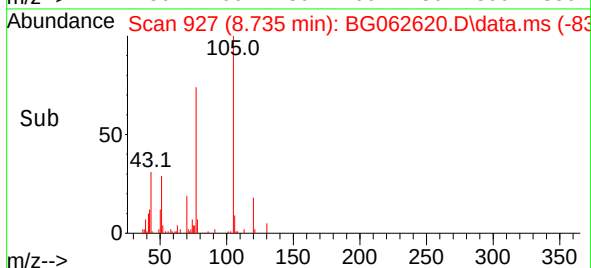
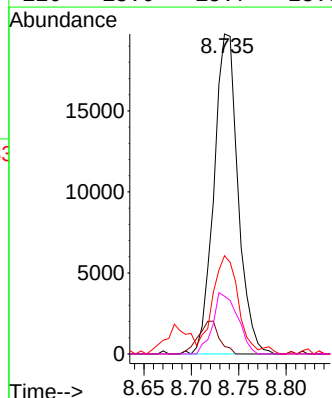
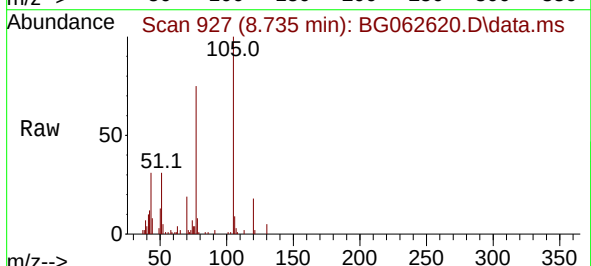
Ion Ratio Lower Upper

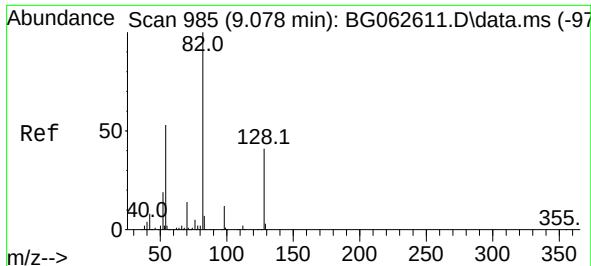
105 100

71 2.4 3.5 5.3#

51 30.7 25.7 38.5

120 18.0 15.7 23.5





#23

Nitrobenzene-d5

Concen: 92.635 ng

RT: 9.076 min Scan# 90

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

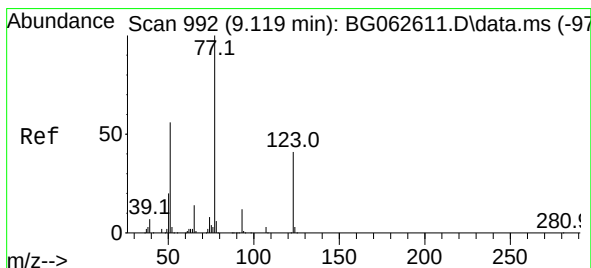
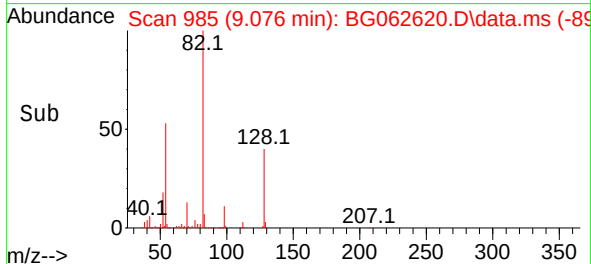
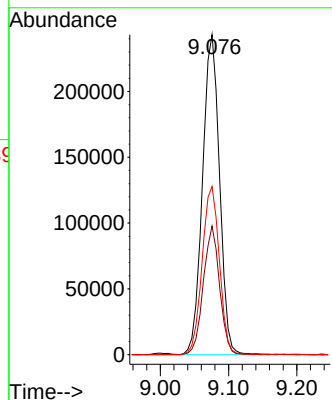
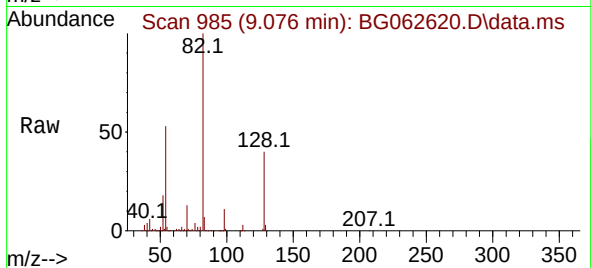
Tgt Ion: 82 Resp: 421573

Ion Ratio Lower Upper

82 100

128 40.2 32.5 48.7

54 52.6 42.5 63.7



#24

Nitrobenzene

Concen: 5.462 ng

RT: 9.117 min Scan# 992

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

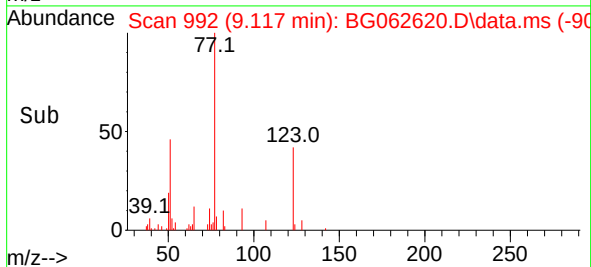
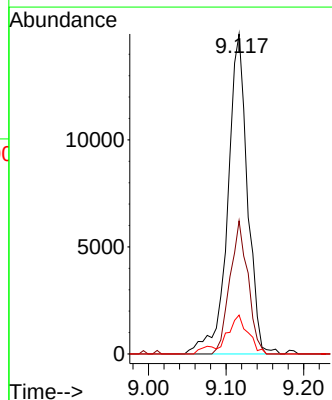
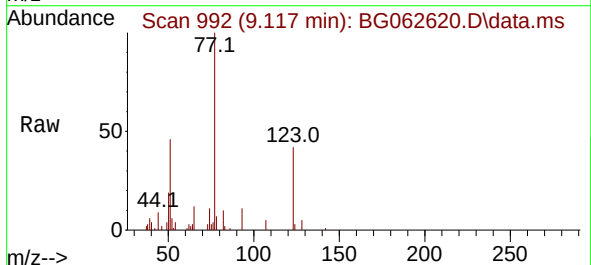
Tgt Ion: 77 Resp: 26429

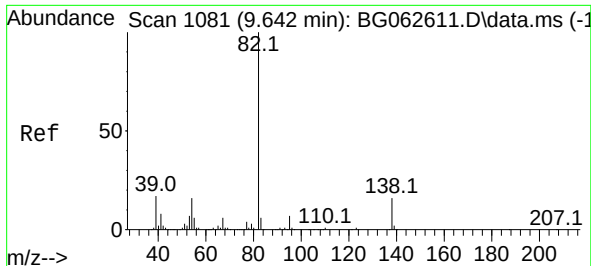
Ion Ratio Lower Upper

77 100

123 41.6 33.1 49.7

65 12.1 11.0 16.4





#25

Isophorone

Concen: 5.072 ng

RT: 9.634 min Scan# 1080

Delta R.T. -0.008 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

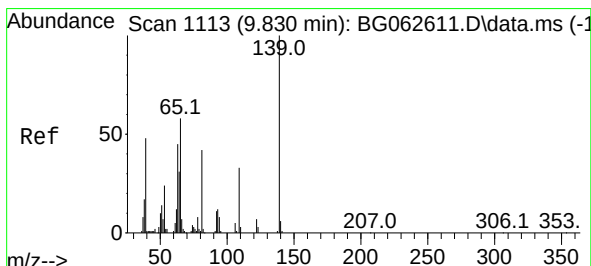
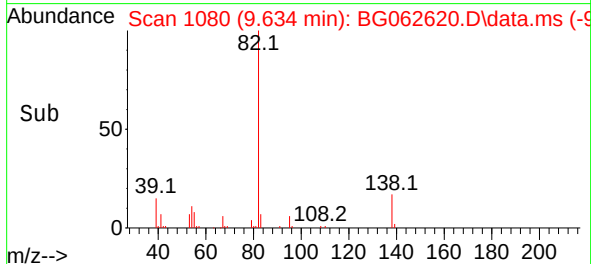
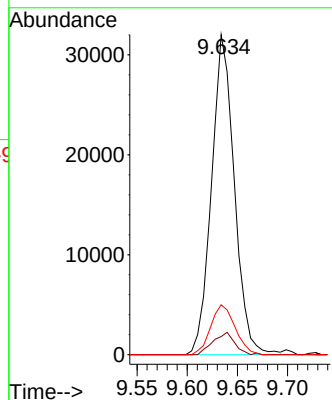
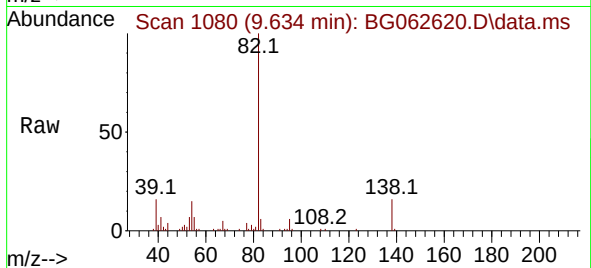
Tgt Ion: 82 Resp: 50673

Ion Ratio Lower Upper

82 100

95 5.6 5.4 8.0

138 15.6 12.6 18.8



#26

2-Nitrophenol

Concen: 4.582 ng

RT: 9.828 min Scan# 1113

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

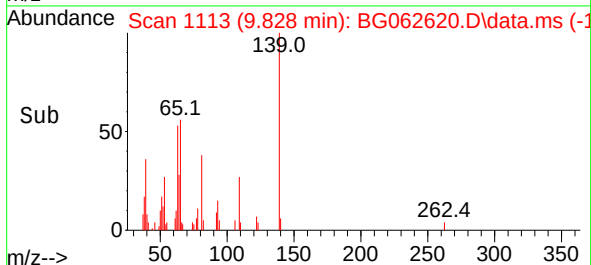
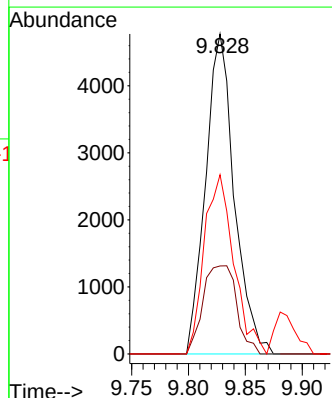
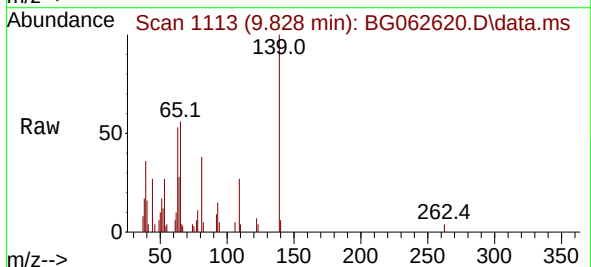
Tgt Ion:139 Resp: 8378

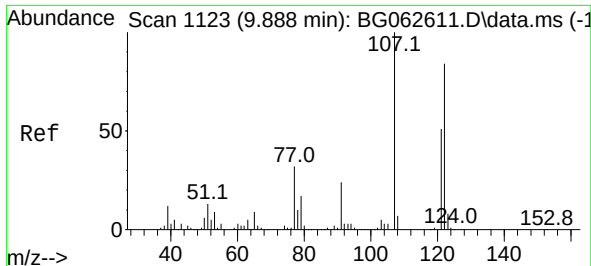
Ion Ratio Lower Upper

139 100

109 27.5 26.6 39.8

65 56.0 46.5 69.7

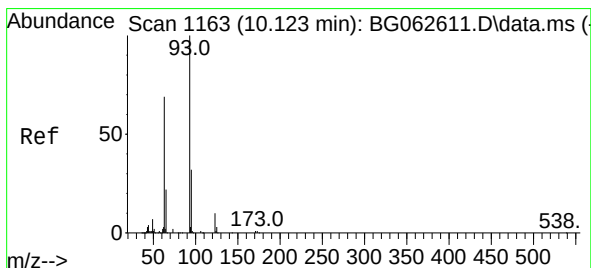
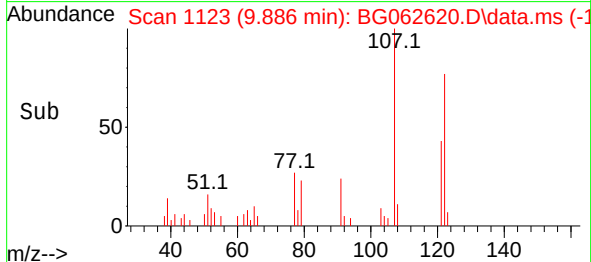
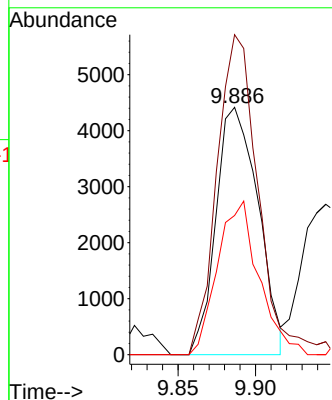
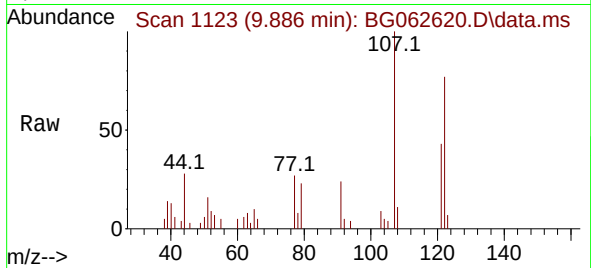




#27
2,4-Dimethylphenol
Concen: 3.116 ng
RT: 9.886 min Scan# 1123
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

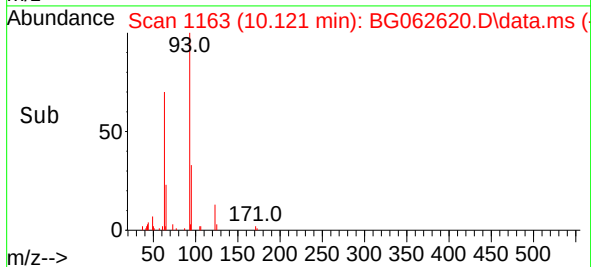
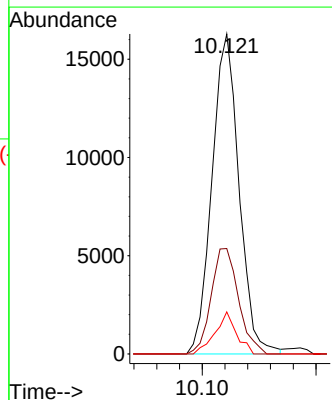
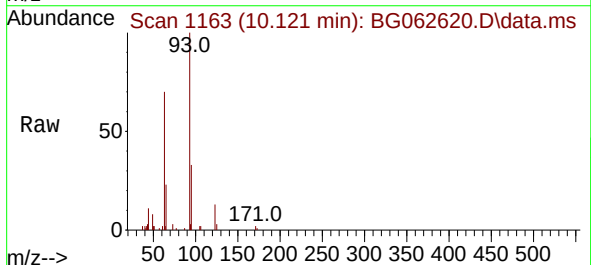
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

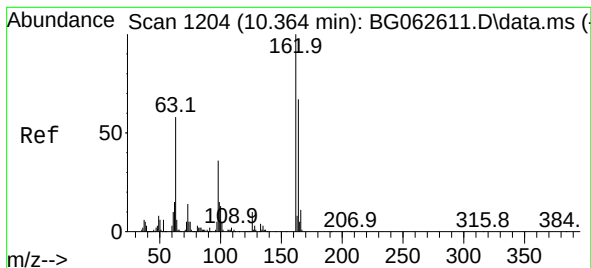
Tgt Ion:122 Resp: 8348
Ion Ratio Lower Upper
122 100
107 129.4 95.8 143.6
121 56.3 48.6 72.8



#28
bis(2-Chloroethoxy)methane
Concen: 5.028 ng
RT: 10.121 min Scan# 1163
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion: 93 Resp: 26887
Ion Ratio Lower Upper
93 100
95 33.0 25.4 38.0
123 13.2 7.9 11.9#





#29

2,4-Dichlorophenol

Concen: 4.811 ng

RT: 10.362 min Scan# 1204

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

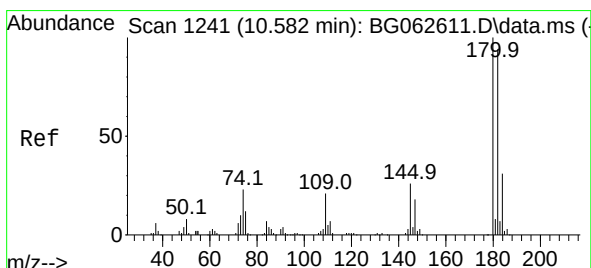
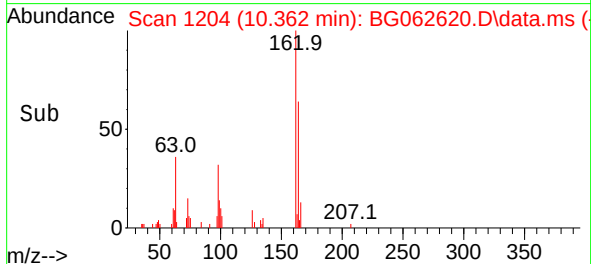
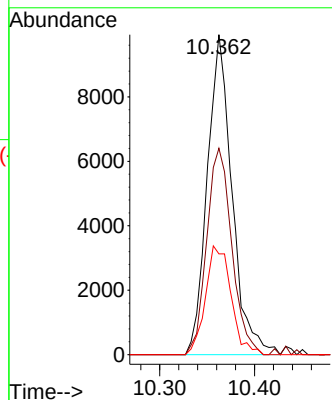
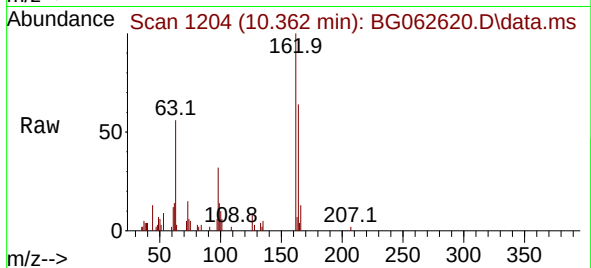
Tgt Ion:162 Resp: 18022

Ion Ratio Lower Upper

162 100

164 64.5 46.8 86.8

98 31.5 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 4.907 ng

RT: 10.580 min Scan# 1241

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

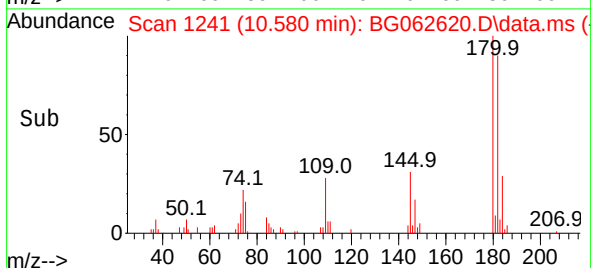
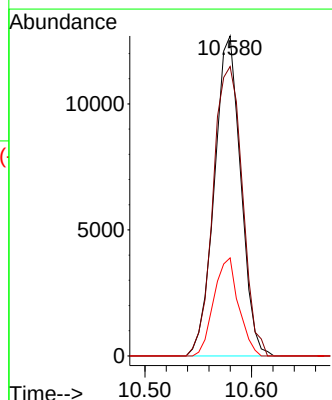
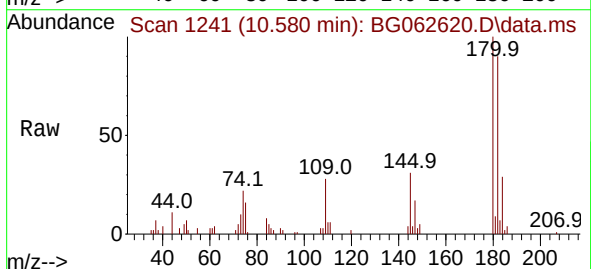
Tgt Ion:180 Resp: 21789

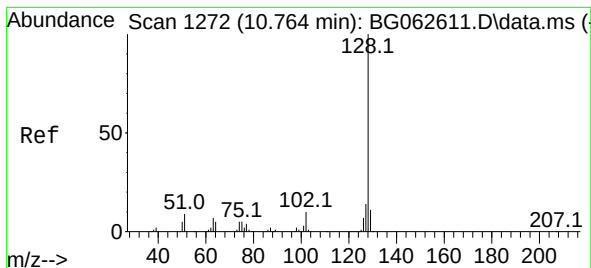
Ion Ratio Lower Upper

180 100

182 90.4 75.1 112.7

145 30.6 20.8 31.2





#31

Naphthalene

Concen: 5.244 ng

RT: 10.762 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

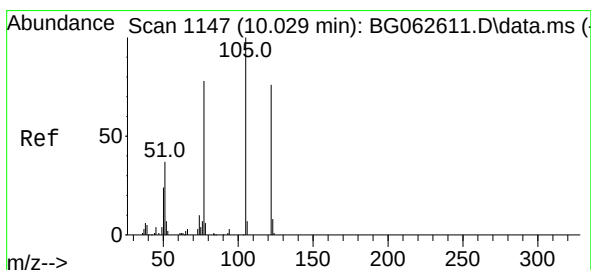
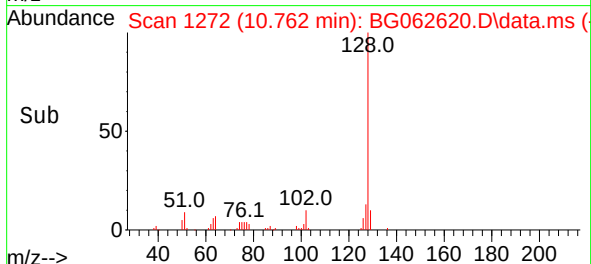
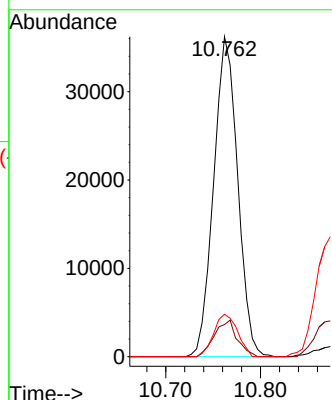
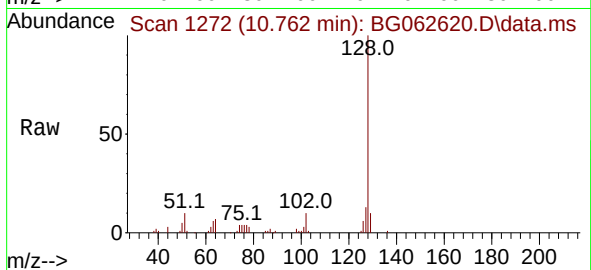
Tgt Ion:128 Resp: 63711

Ion Ratio Lower Upper

128 100

129 10.0 8.8 13.2

127 13.2 11.3 16.9



#32

Benzoic acid

Concen: 0.186 ng

RT: 10.051 min Scan# 1151

Delta R.T. 0.022 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

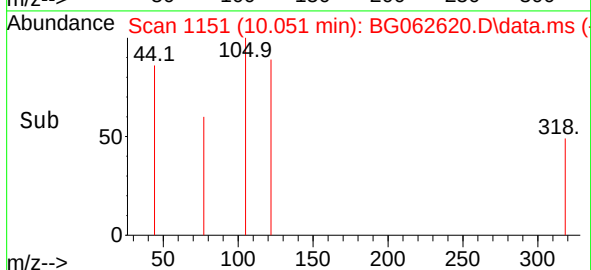
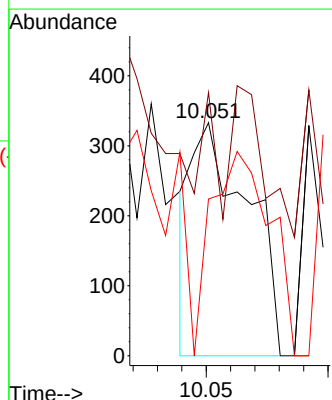
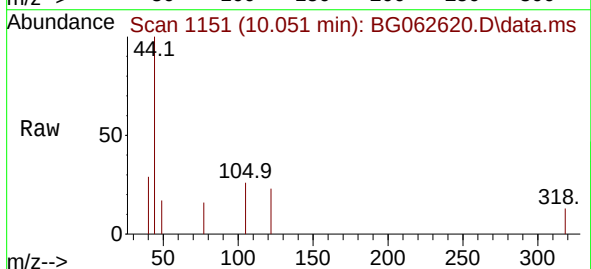
Tgt Ion:122 Resp: 537

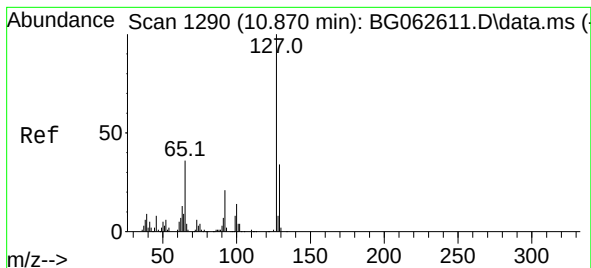
Ion Ratio Lower Upper

122 100

105 112.9 105.7 145.7

77 67.3 79.9 119.9#

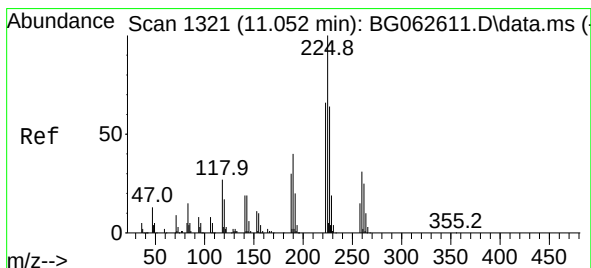
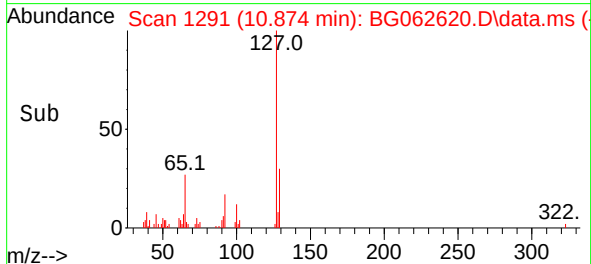
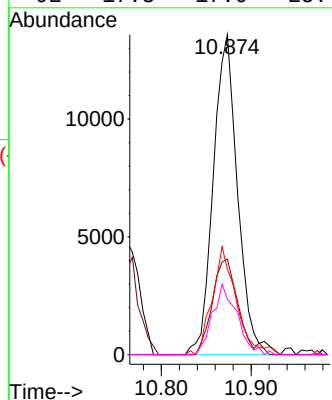
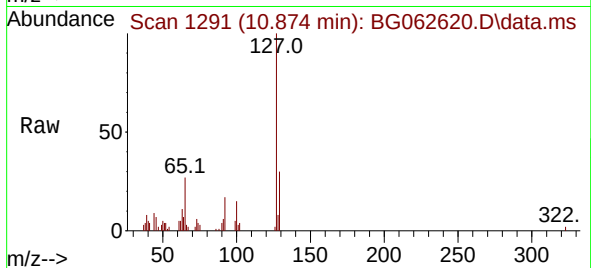




#33
4-Chloroaniline
Concen: 5.346 ng
RT: 10.874 min Scan# 1291
Delta R.T. 0.004 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

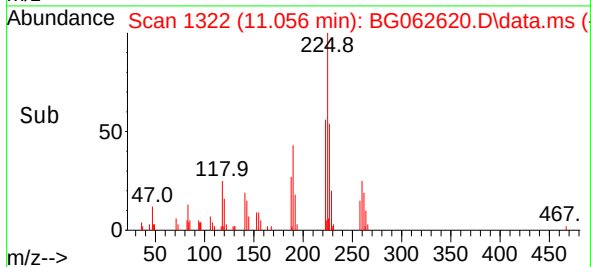
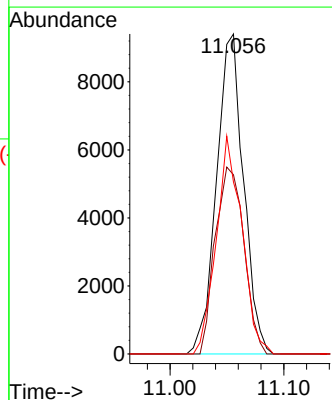
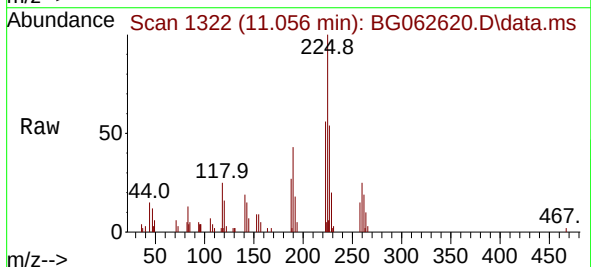
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

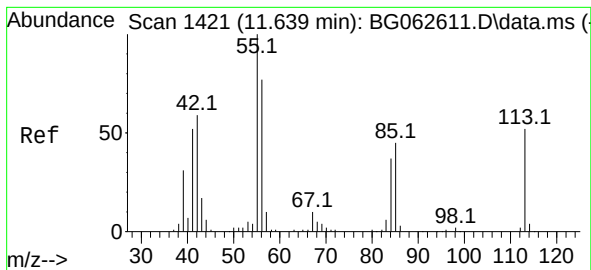
Tgt Ion:	127	Resp:	25558
Ion Ratio	Lower	Upper	
127	100		
129	29.9	27.3	40.9
65	26.7	29.0	43.4#
92	17.3	17.0	25.4



#34
Hexachlorobutadiene
Concen: 5.007 ng
RT: 11.056 min Scan# 1322
Delta R.T. 0.004 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:	225	Resp:	15527
Ion Ratio	Lower	Upper	
225	100		
223	56.0	50.1	75.1
227	53.7	48.9	73.3





#35

Caprolactam

Concen: 5.080 ng

RT: 11.614 min Scan# 1417

Delta R.T. -0.025 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

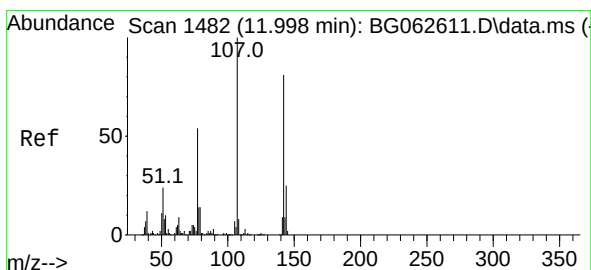
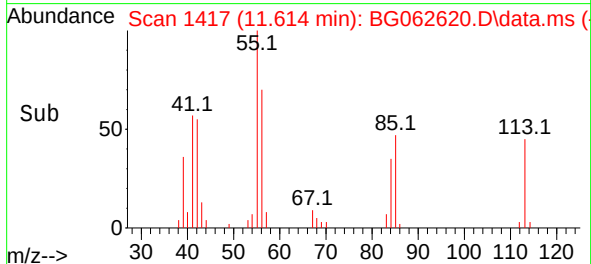
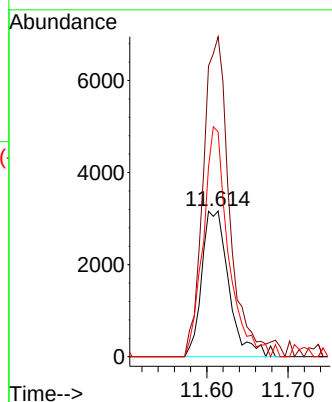
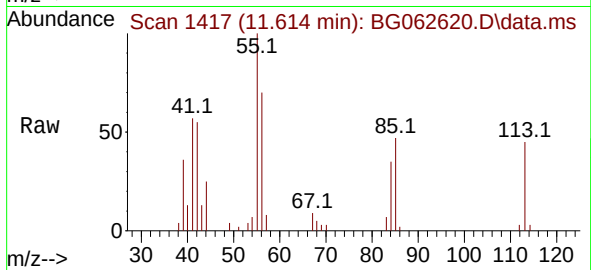
Tgt Ion:113 Resp: 7336

Ion Ratio Lower Upper

113 100

55 219.9 174.1 214.1#

56 154.5 129.8 169.8



#36

4-Chloro-3-methylphenol

Concen: 4.836 ng

RT: 11.990 min Scan# 1481

Delta R.T. -0.008 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

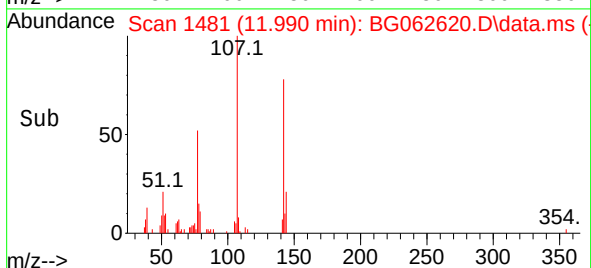
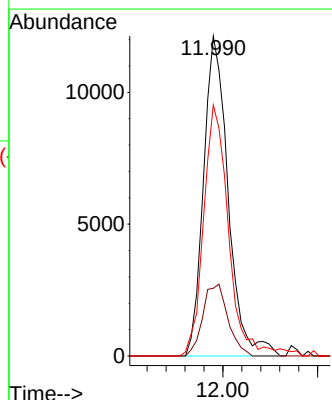
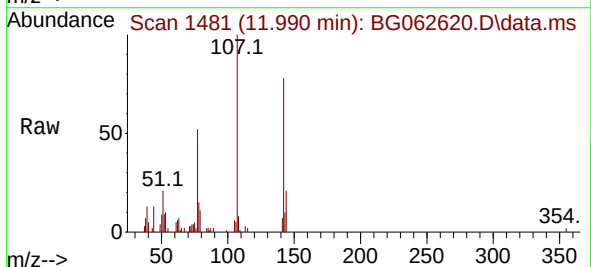
Tgt Ion:107 Resp: 21848

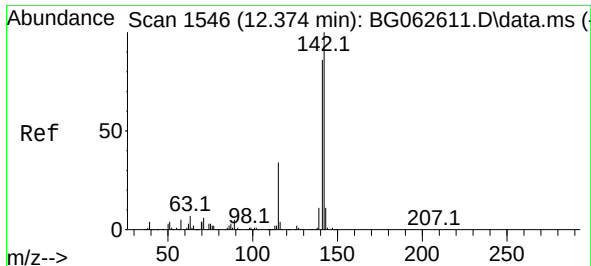
Ion Ratio Lower Upper

107 100

144 21.1 19.8 29.8

142 78.4 64.7 97.1

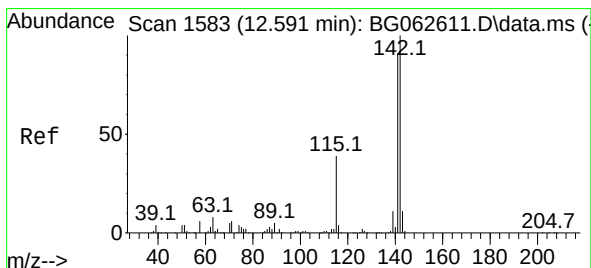
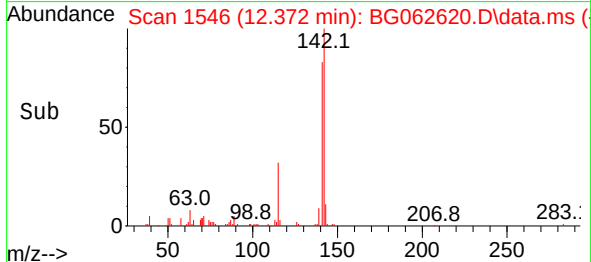
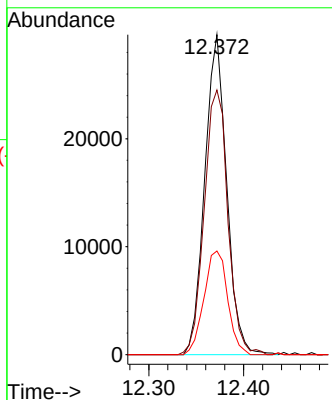
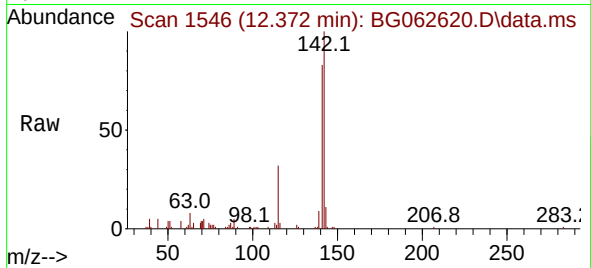




#37
2-Methylnaphthalene
Concen: 5.045 ng
RT: 12.372 min Scan# 1546
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

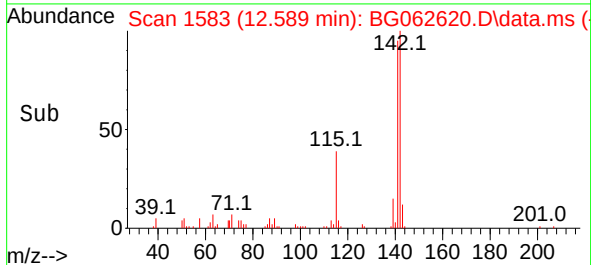
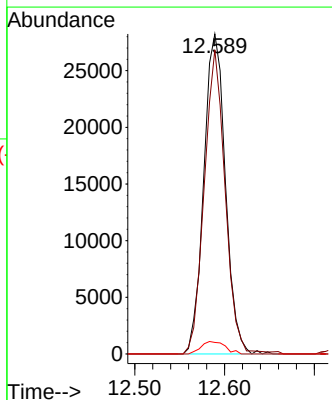
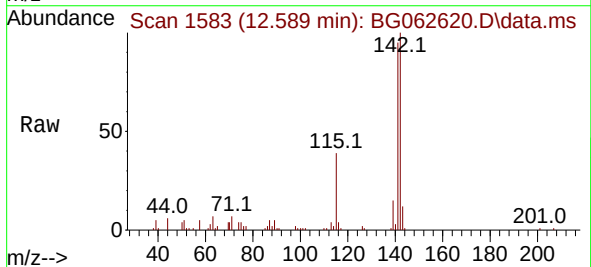
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

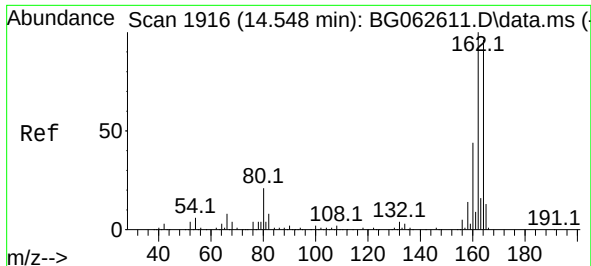
Tgt Ion:142 Resp: 47531
Ion Ratio Lower Upper
142 100
141 82.7 68.9 103.3
115 32.4 27.5 41.3



#38
1-Methylnaphthalene
Concen: 4.984 ng
RT: 12.589 min Scan# 1583
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:142 Resp: 47159
Ion Ratio Lower Upper
142 100
141 95.1 73.0 109.4
116 3.6 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.546 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

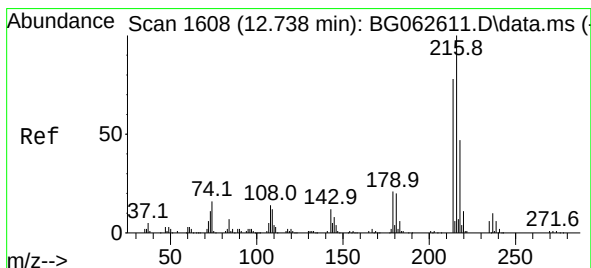
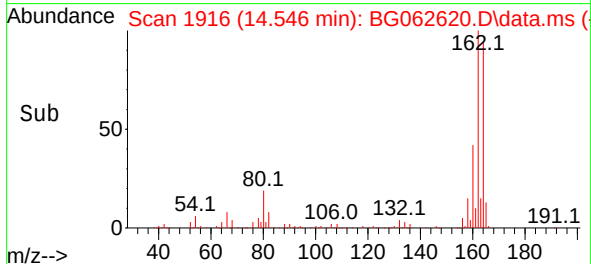
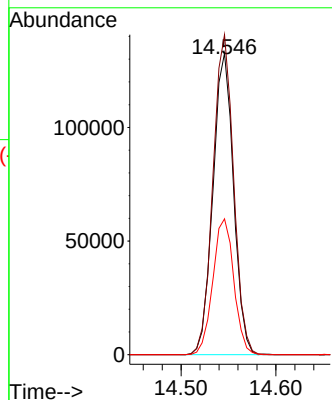
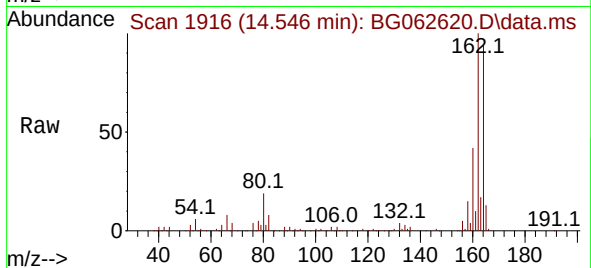
Tgt Ion:164 Resp: 199844

Ion Ratio Lower Upper

164 100

162 106.2 83.1 124.7

160 45.1 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.518 ng

RT: 12.736 min Scan# 1608

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Tgt Ion:216 Resp: 33160

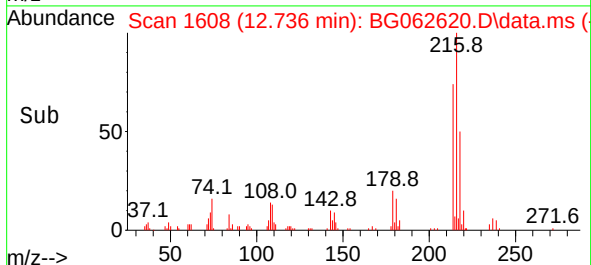
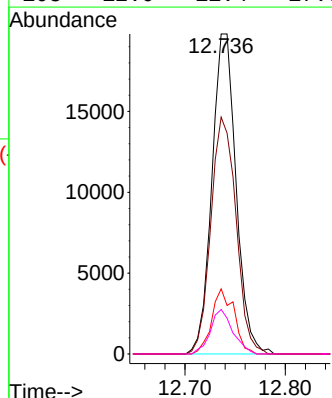
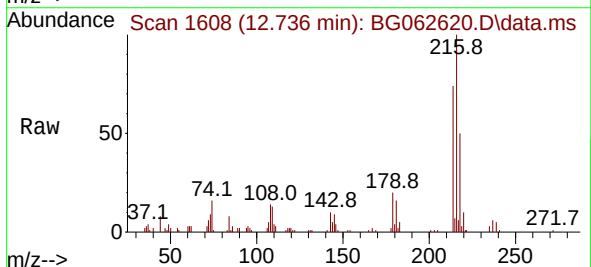
Ion Ratio Lower Upper

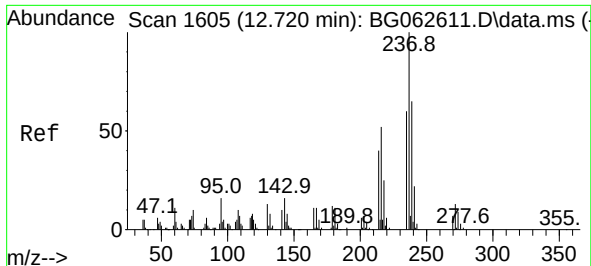
216 100

214 76.9 61.6 92.4

179 18.8 15.9 23.9

108 12.9 11.4 17.0

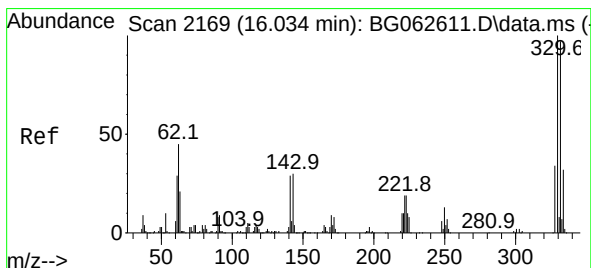
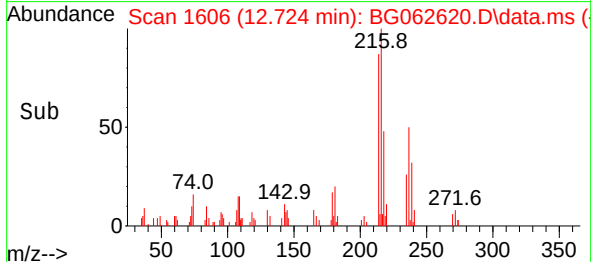
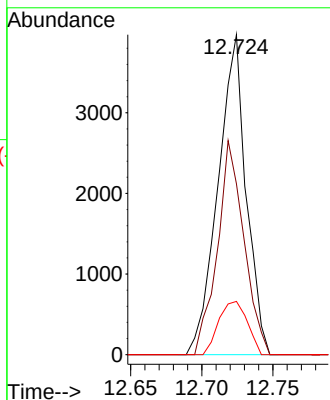
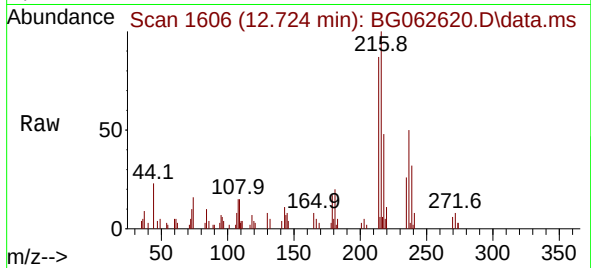




#41
Hexachlorocyclopentadiene
Concen: 3.184 ng
RT: 12.724 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

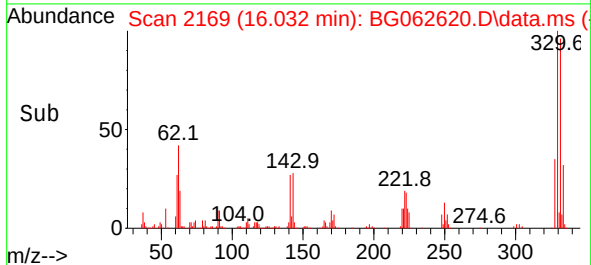
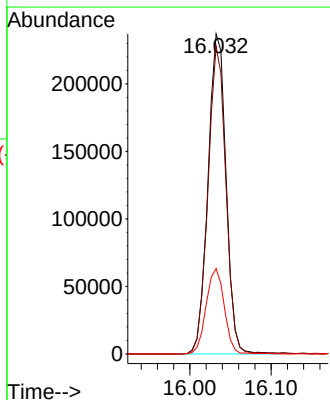
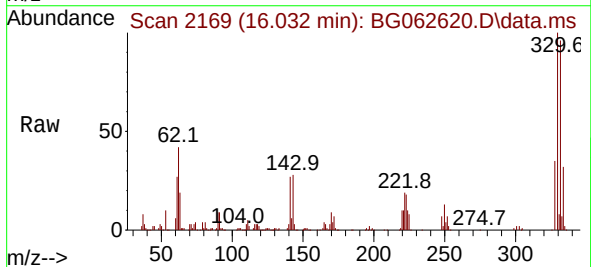
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

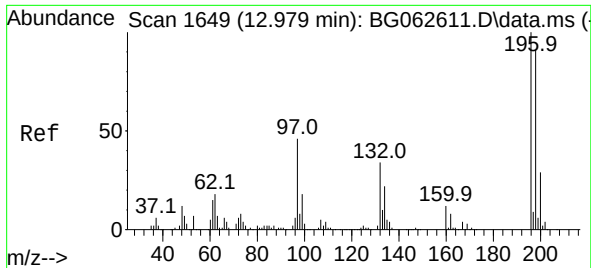
Tgt Ion:237 Resp: 5459
Ion Ratio Lower Upper
237 100
235 53.4 40.4 80.4
272 16.6 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 129.926 ng
RT: 16.032 min Scan# 2169
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:330 Resp: 365407
Ion Ratio Lower Upper
330 100
332 95.5 77.2 115.8
141 26.9 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 5.043 ng

RT: 12.977 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

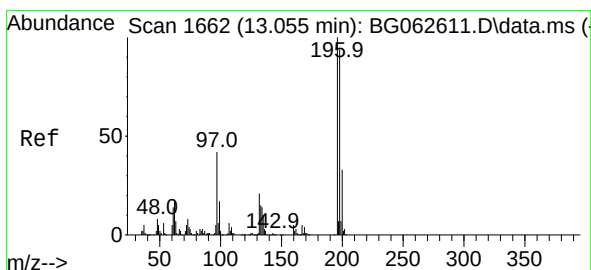
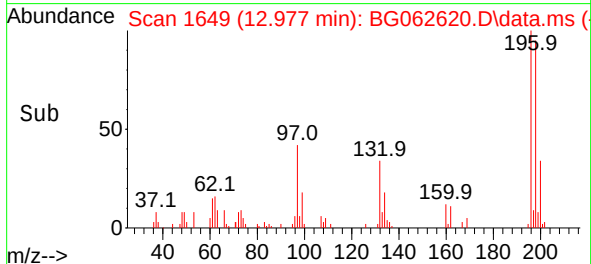
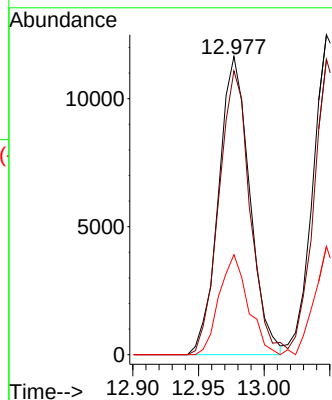
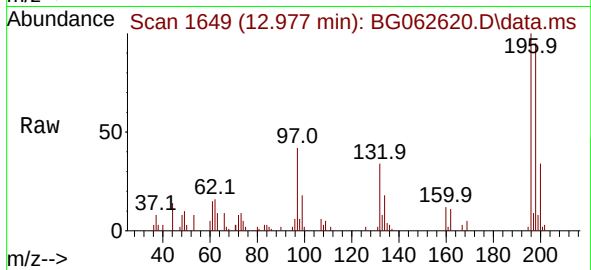
Tgt Ion:196 Resp: 19212

Ion Ratio Lower Upper

196 100

198 95.1 72.8 109.2

200 33.5 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 5.191 ng

RT: 13.047 min Scan# 1661

Delta R.T. -0.008 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Tgt Ion:196 Resp: 22399

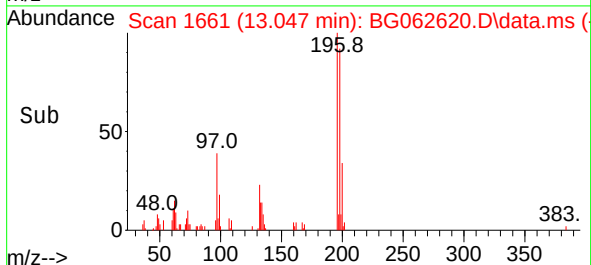
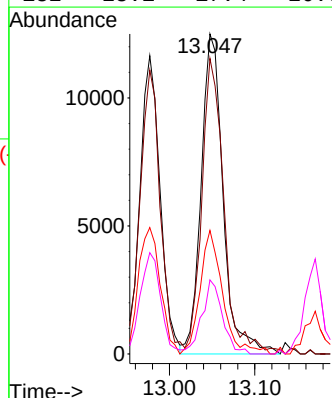
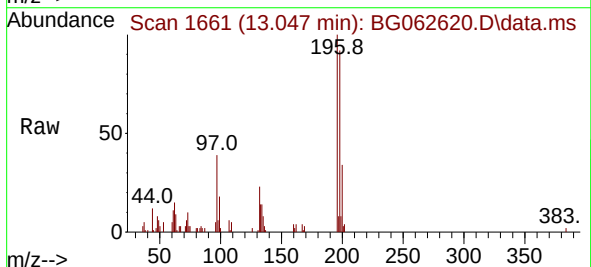
Ion Ratio Lower Upper

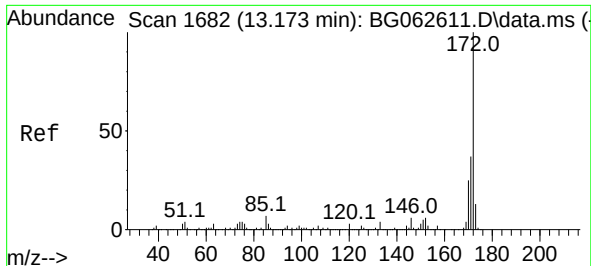
196 100

198 92.3 75.5 113.3

97 38.6 34.1 51.1

132 23.1 17.4 26.0





#45

2-Fluorobiphenyl

Concen: 92.945 ng

RT: 13.171 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

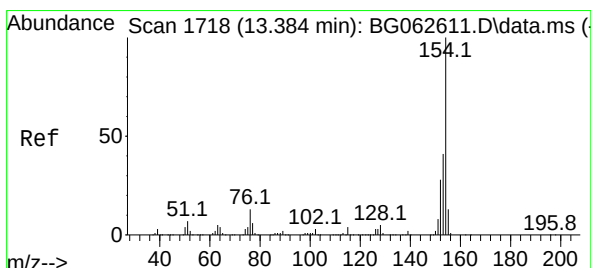
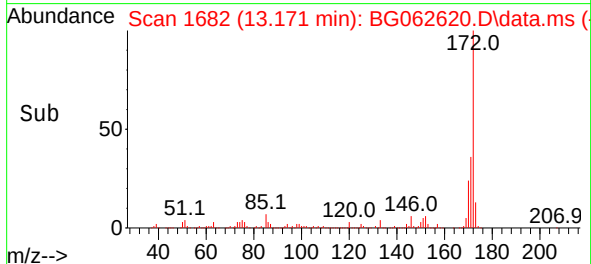
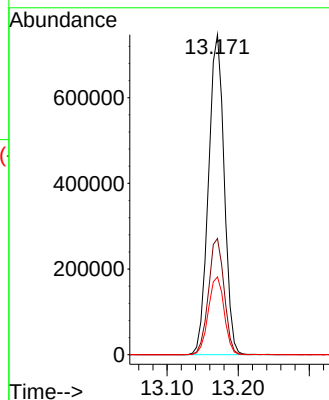
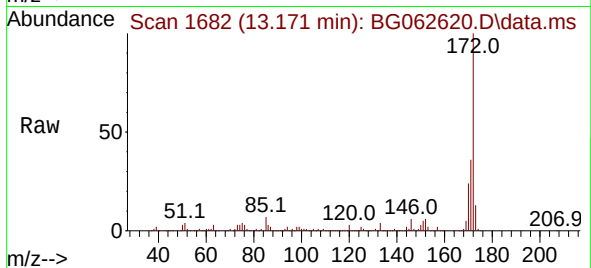
Tgt Ion:172 Resp: 1146723

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

170 24.3 20.0 30.0



#46

1,1'-Biphenyl

Concen: 5.621 ng

RT: 13.376 min Scan# 1717

Delta R.T. -0.008 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

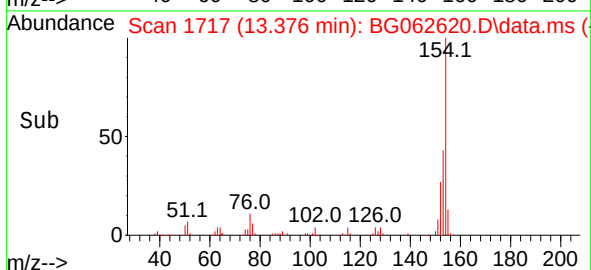
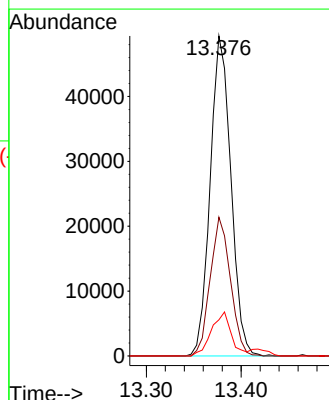
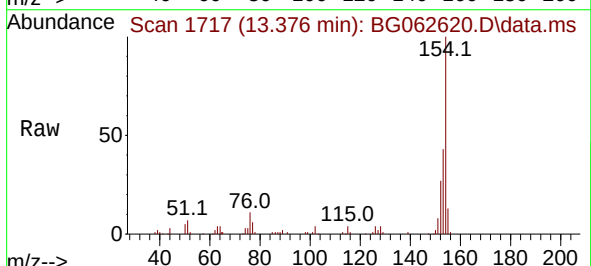
Tgt Ion:154 Resp: 74945

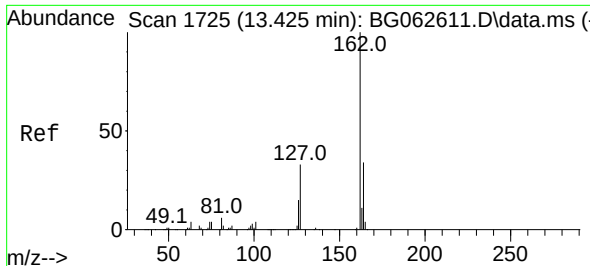
Ion Ratio Lower Upper

154 100

153 43.3 20.8 60.8

76 11.3 0.0 33.4





#47

2-Chloronaphthalene

Concen: 5.283 ng

RT: 13.423 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

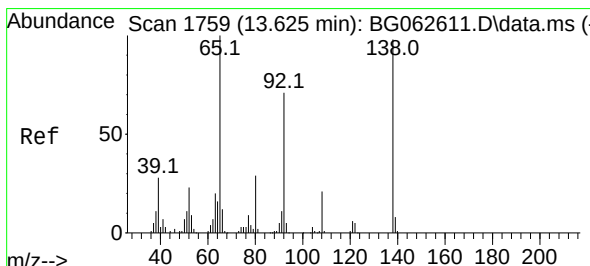
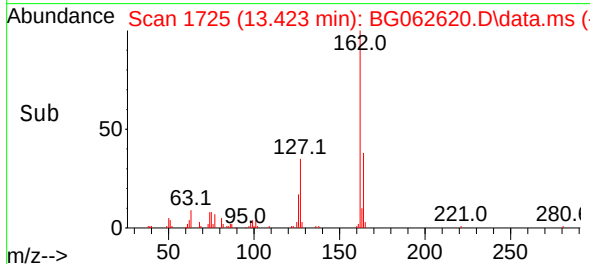
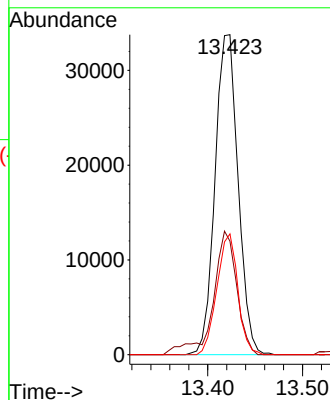
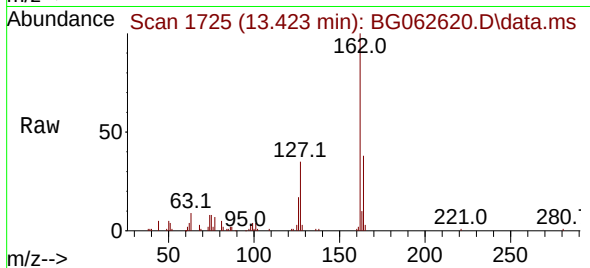
Tgt Ion:162 Resp: 57085

Ion Ratio Lower Upper

162 100

127 35.5 28.7 43.1

164 37.8 26.9 40.3



#48

2-Nitroaniline

Concen: 4.872 ng

RT: 13.623 min Scan# 1759

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

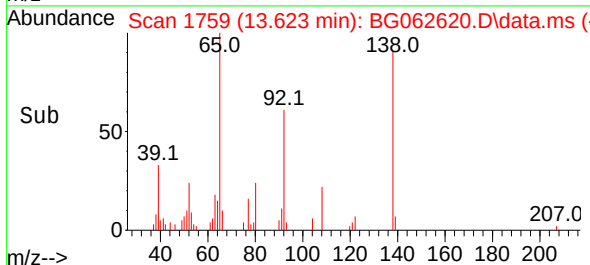
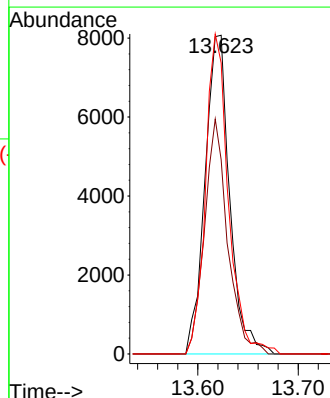
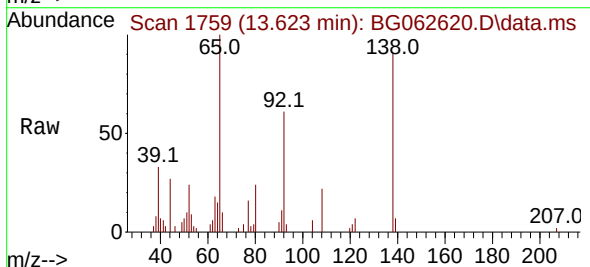
Tgt Ion: 65 Resp: 13846

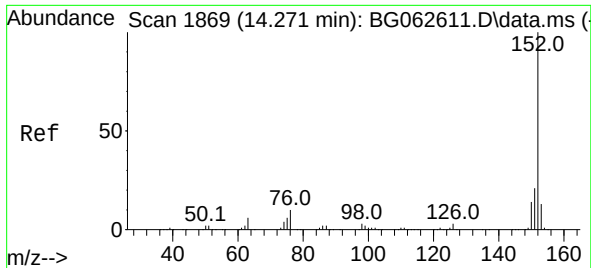
Ion Ratio Lower Upper

65 100

92 60.9 56.6 84.8

138 91.3 78.7 118.1

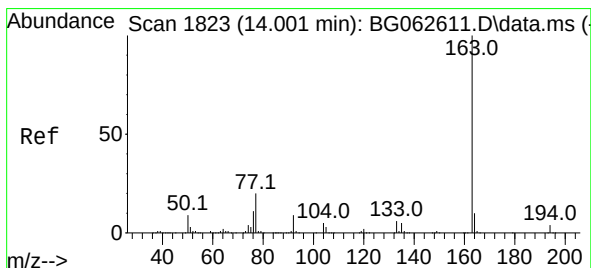
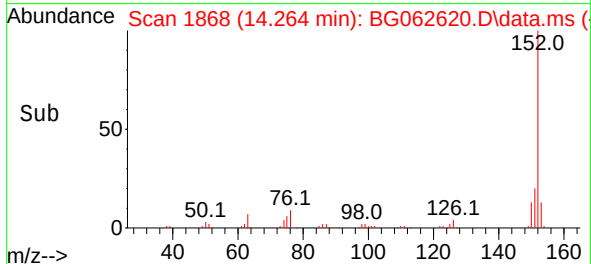
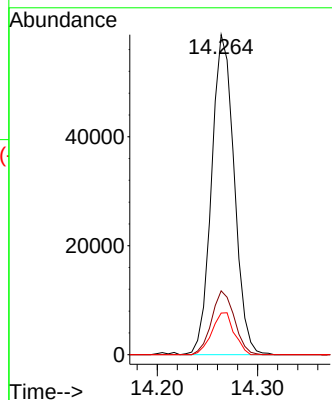
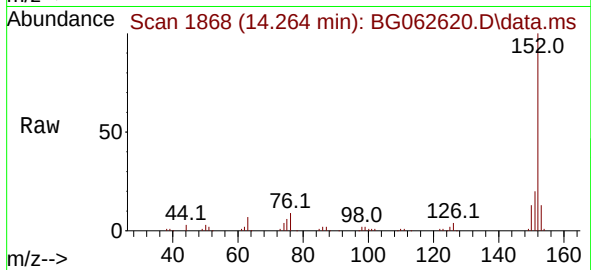




#49
Acenaphthylene
Concen: 5.751 ng
RT: 14.264 min Scan# 1868
Delta R.T. -0.008 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

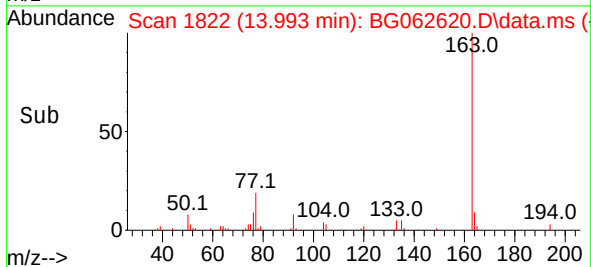
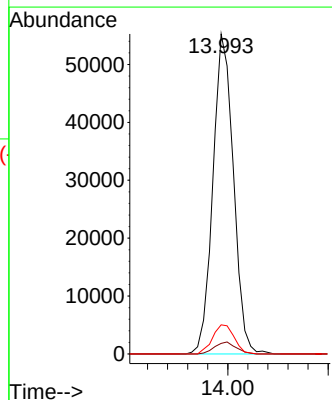
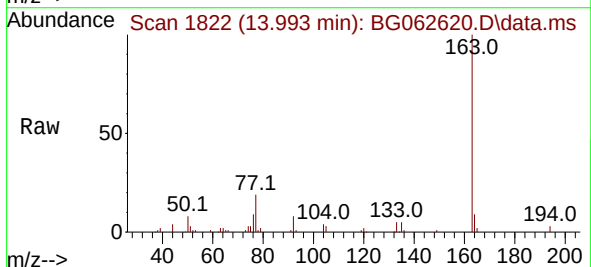
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

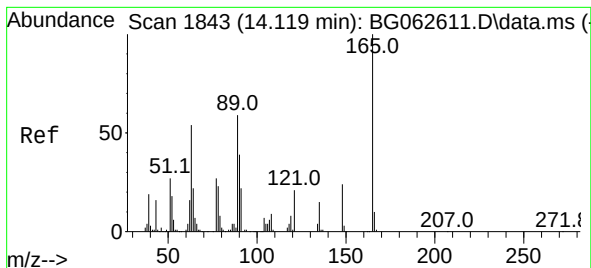
Tgt Ion:152 Resp: 92030
Ion Ratio Lower Upper
152 100
151 20.0 16.6 24.8
153 13.0 10.2 15.4



#50
Dimethylphthalate
Concen: 5.365 ng
RT: 13.993 min Scan# 1822
Delta R.T. -0.008 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:163 Resp: 78403
Ion Ratio Lower Upper
163 100
194 3.3 2.9 4.3
164 9.1 8.3 12.5

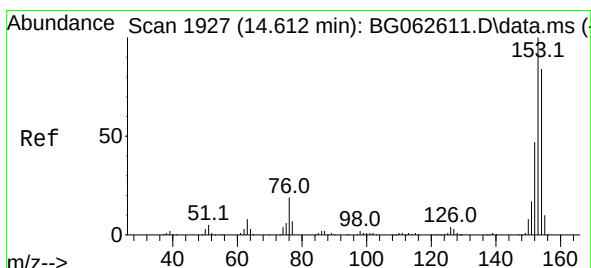
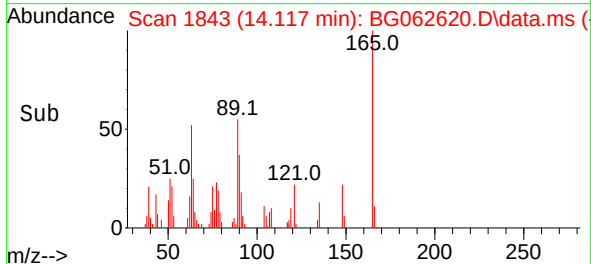
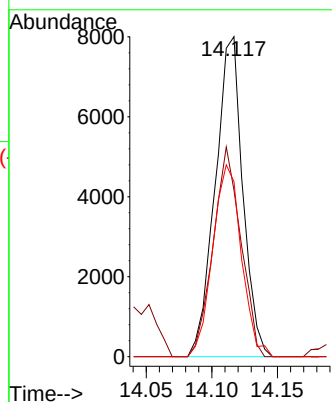
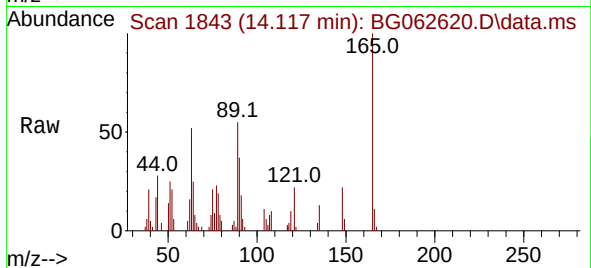




#51
2,6-Dinitrotoluene
Concen: 4.237 ng
RT: 14.117 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

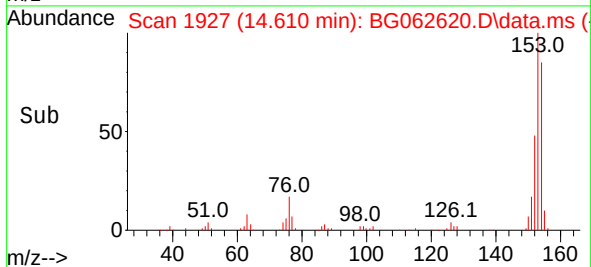
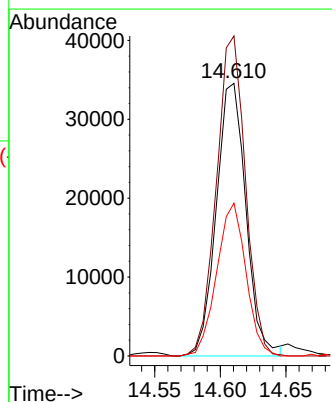
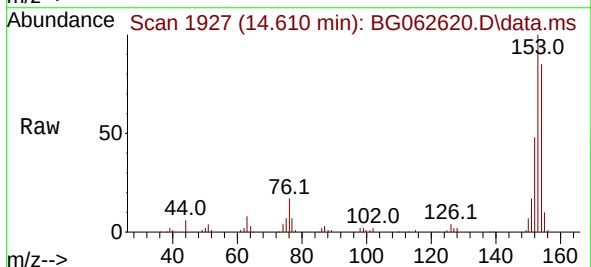
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

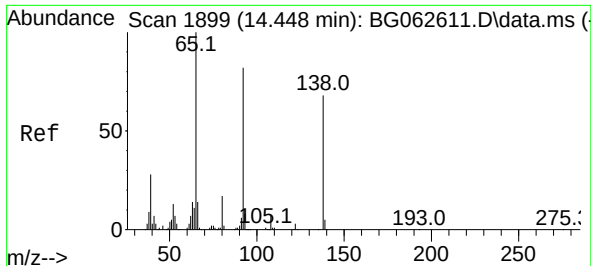
Tgt Ion:165 Resp: 11710
Ion Ratio Lower Upper
165 100
63 52.1 46.6 69.8
89 54.7 47.2 70.8



#52
Acenaphthene
Concen: 5.429 ng
RT: 14.610 min Scan# 1927
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:154 Resp: 54308
Ion Ratio Lower Upper
154 100
153 117.3 95.0 142.4
152 56.0 45.0 67.6

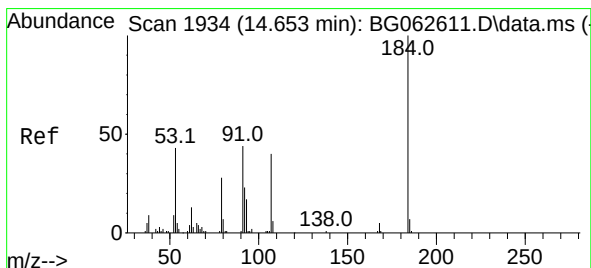
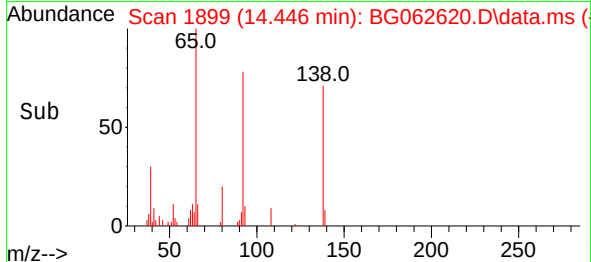
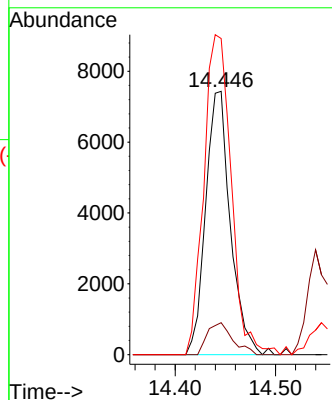
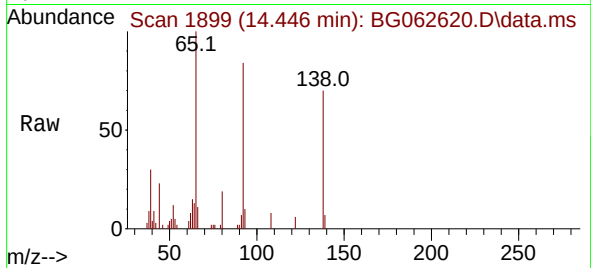




#53
3-Nitroaniline
Concen: 4.766 ng
RT: 14.446 min Scan# 1899
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

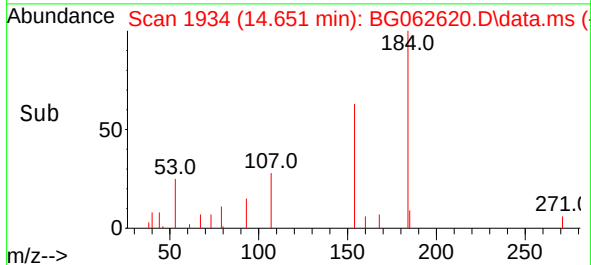
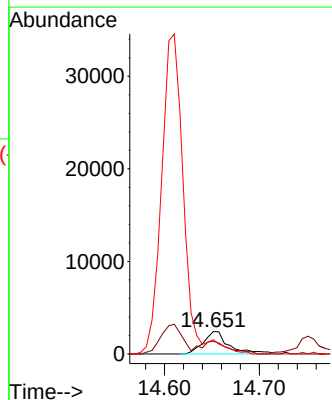
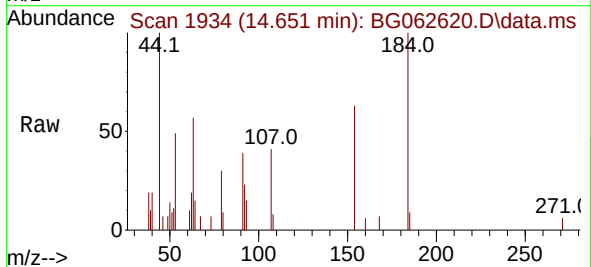
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

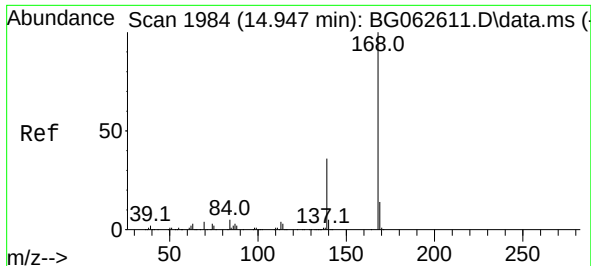
Tgt Ion:138 Resp: 12747
Ion Ratio Lower Upper
138 100
108 12.1 8.6 13.0
92 120.1 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 2.949 ng
RT: 14.651 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:184 Resp: 4575
Ion Ratio Lower Upper
184 100
63 57.3 49.0 73.4
154 63.1 50.5 75.7

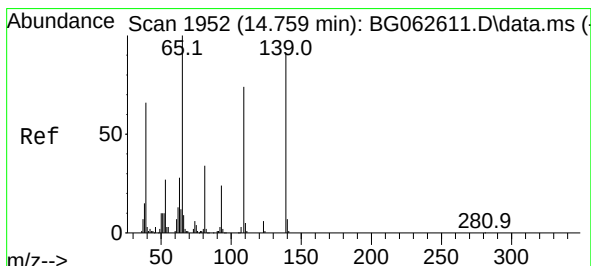
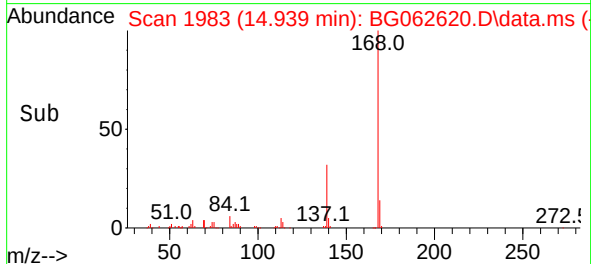
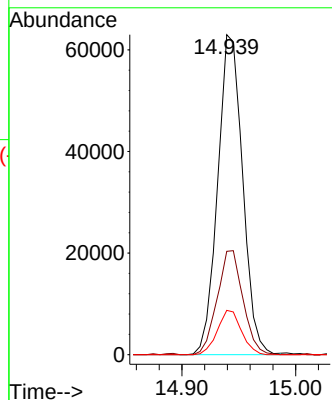
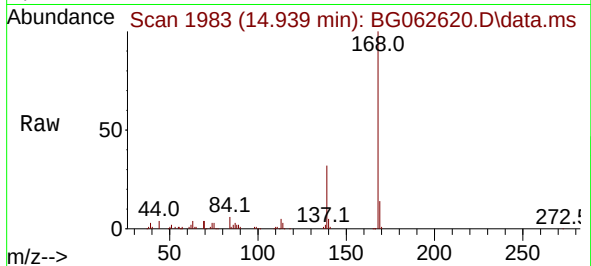




#55
Dibenzenofuran
Concen: 5.602 ng
RT: 14.939 min Scan# 1983
Delta R.T. -0.008 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

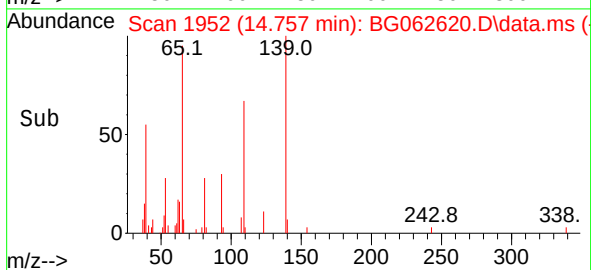
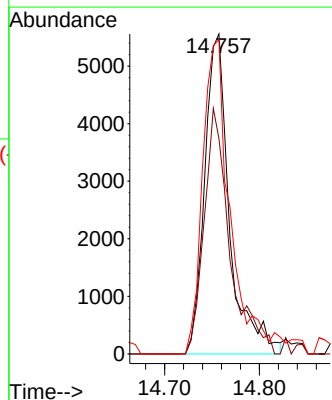
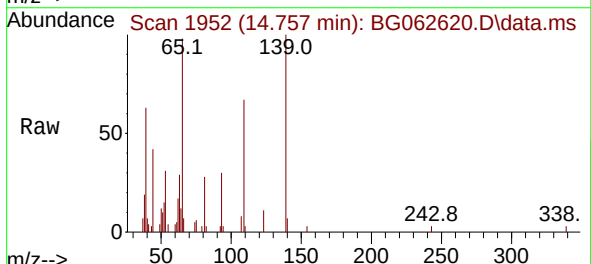
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

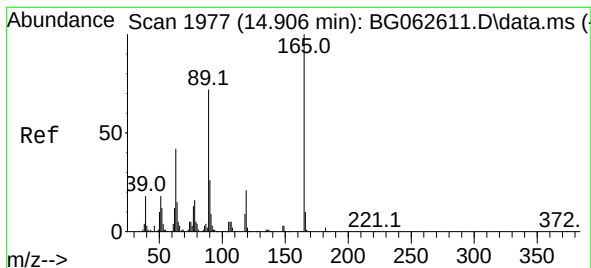
Tgt Ion:168	Resp:	96094	
Ion	Ratio	Lower	Upper
168	100		
139	32.3	28.6	42.8
169	13.9	11.0	16.6



#56
4-Nitrophenol
Concen: 4.483 ng
RT: 14.757 min Scan# 1952
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:139	Resp:	10162	
Ion	Ratio	Lower	Upper
139	100		
109	67.3	61.2	101.2
65	98.3	90.2	130.2

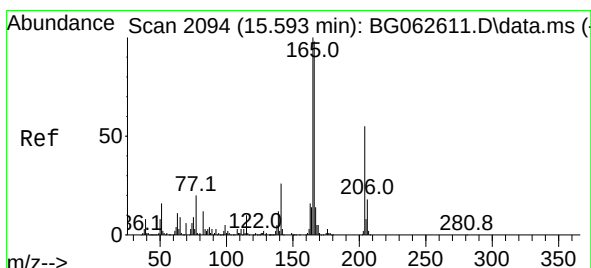
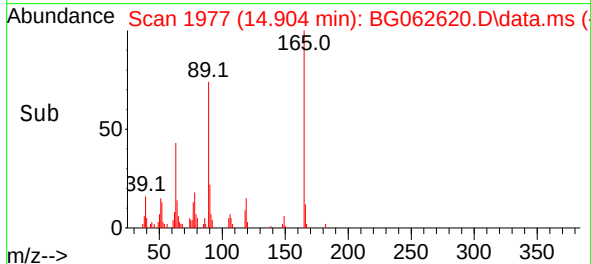
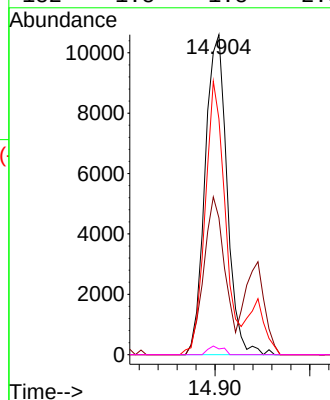
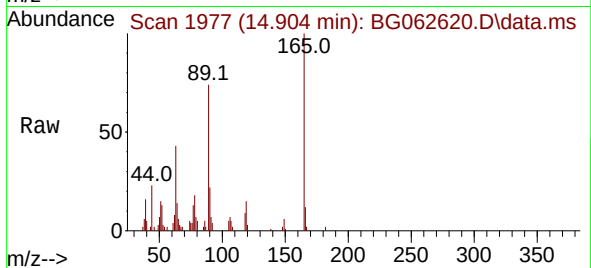




#57
2,4-Dinitrotoluene
Concen: 4.522 ng
RT: 14.904 min Scan# 1977
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

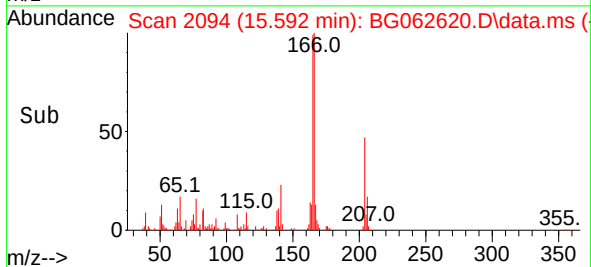
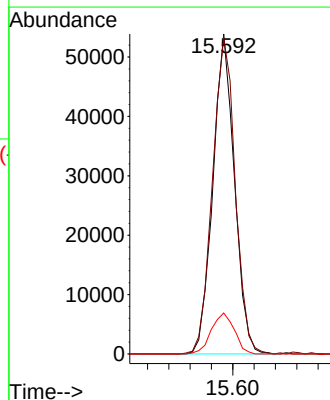
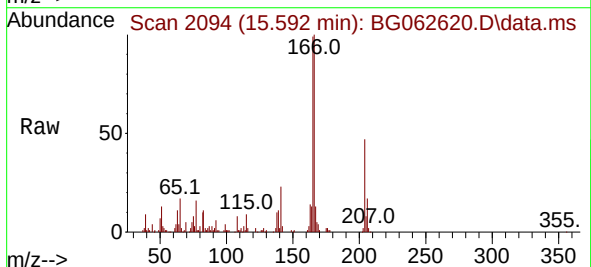
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

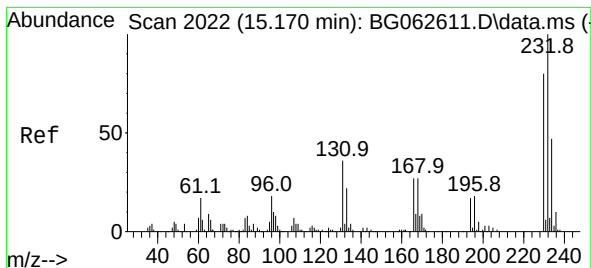
Tgt Ion:165 Resp: 17053
Ion Ratio Lower Upper
165 100
63 42.7 33.8 50.6
89 73.7 57.9 86.9
182 1.8 1.8 2.8#



#58
Fluorene
Concen: 5.595 ng
RT: 15.592 min Scan# 2094
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:166 Resp: 75326
Ion Ratio Lower Upper
166 100
165 98.8 82.0 123.0
167 12.8 11.3 16.9

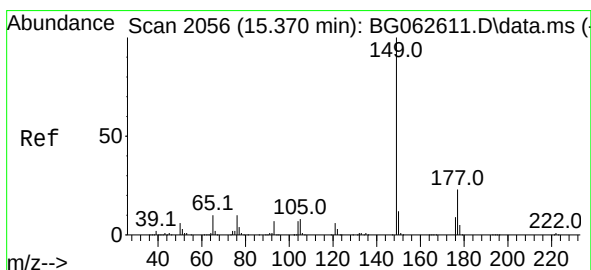
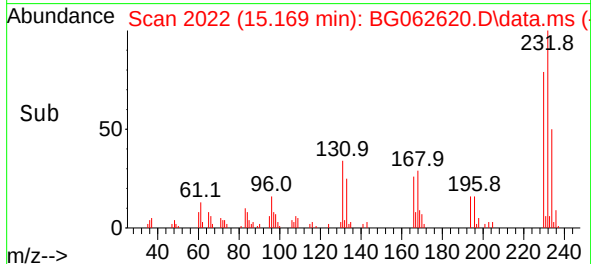
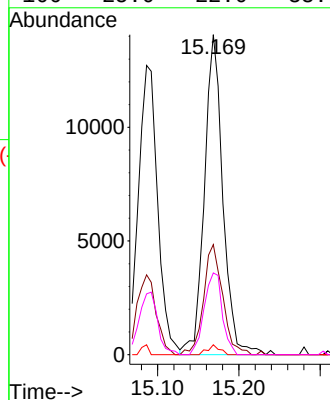
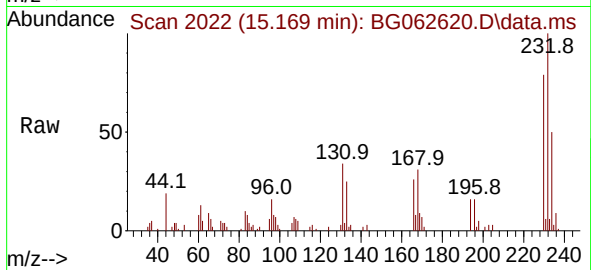




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.435 ng
RT: 15.169 min Scan# 2022
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

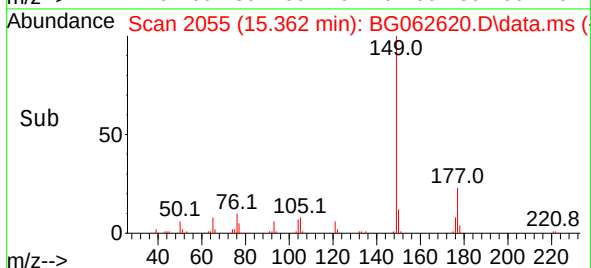
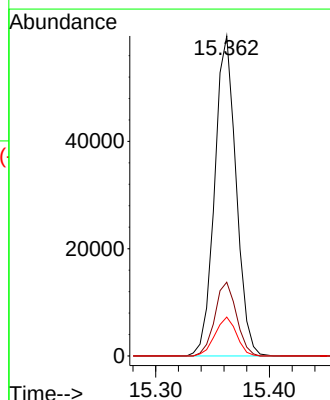
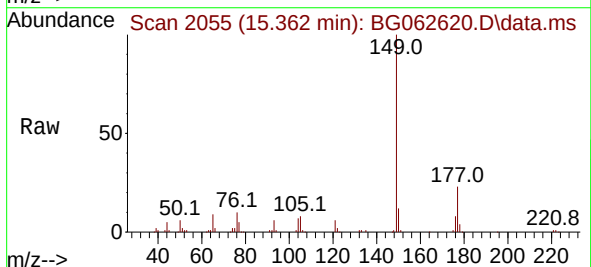
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

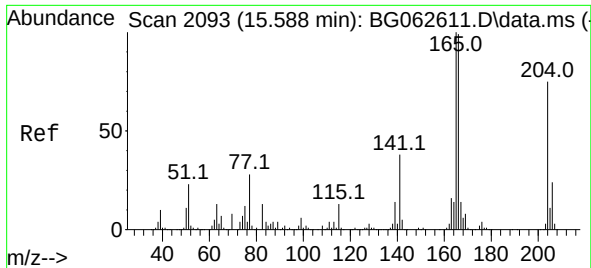
Tgt Ion:232 Resp: 22214
Ion Ratio Lower Upper
232 100
131 35.5 28.3 42.5
130 2.0 1.7 2.5
166 25.0 22.0 33.0



#60
Diethylphthalate
Concen: 5.404 ng
RT: 15.362 min Scan# 2055
Delta R.T. -0.008 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:149 Resp: 78268
Ion Ratio Lower Upper
149 100
177 23.1 18.0 27.0
150 12.2 9.8 14.8

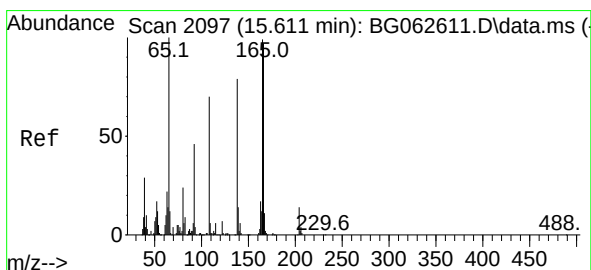
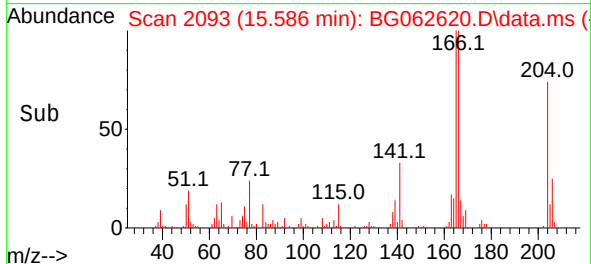
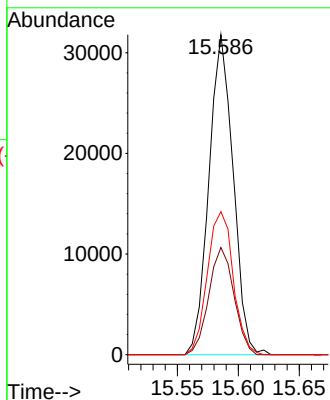
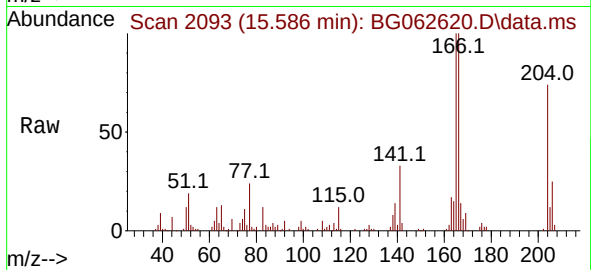




#61
4-Chlorophenyl-phenylether
Concen: 5.688 ng
RT: 15.586 min Scan# 2093
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

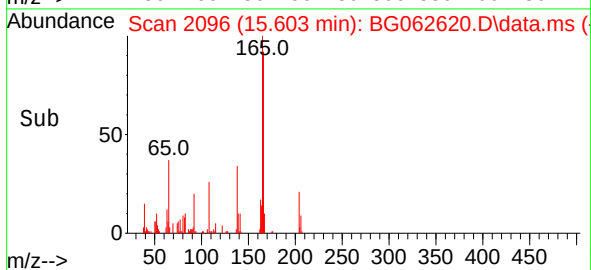
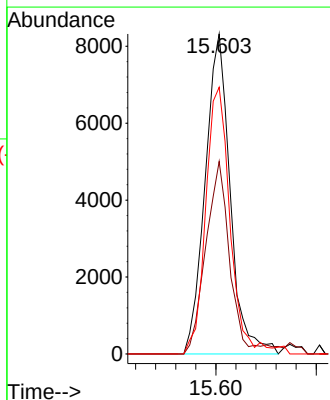
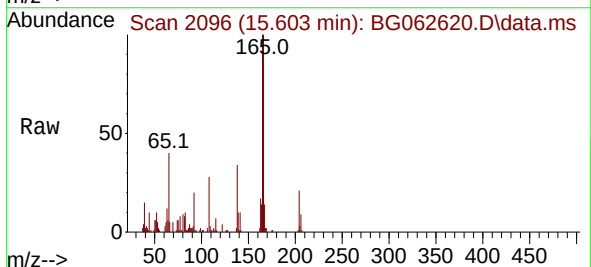
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

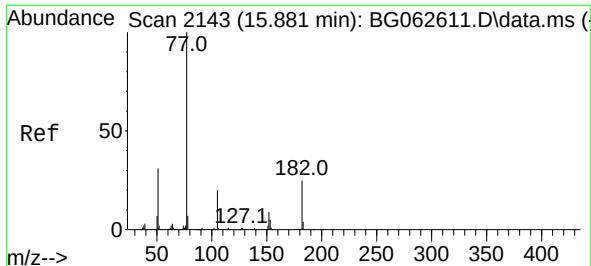
Tgt Ion:204 Resp: 43963
Ion Ratio Lower Upper
204 100
206 33.5 25.9 38.9
141 44.7 41.0 61.6



#62
4-Nitroaniline
Concen: 4.879 ng
RT: 15.603 min Scan# 2096
Delta R.T. -0.008 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

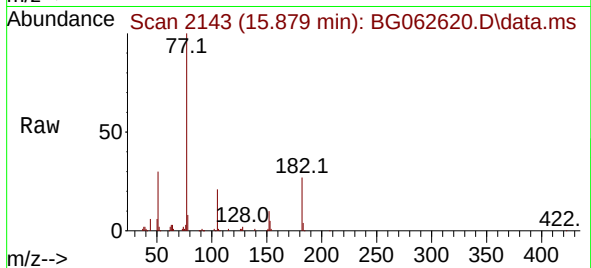
Tgt Ion:138 Resp: 14388
Ion Ratio Lower Upper
138 100
92 60.1 38.4 78.4
108 83.4 69.0 109.0



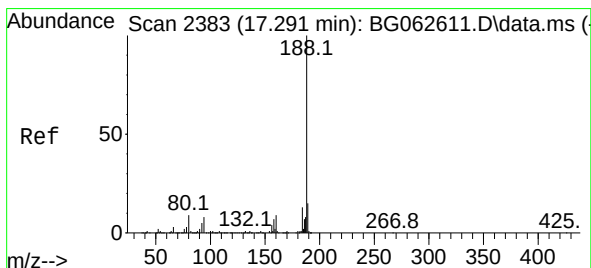
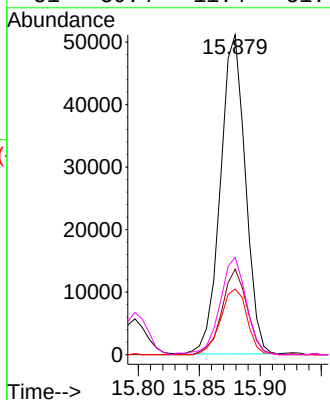
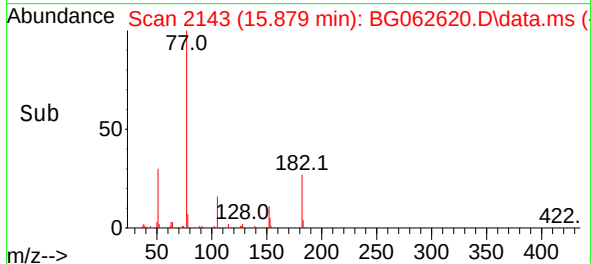


#63
Azobenzene
Concen: 5.350 ng
RT: 15.879 min Scan# 2143
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

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

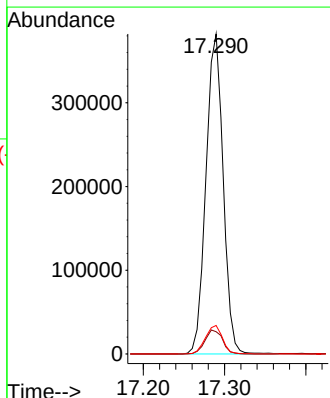
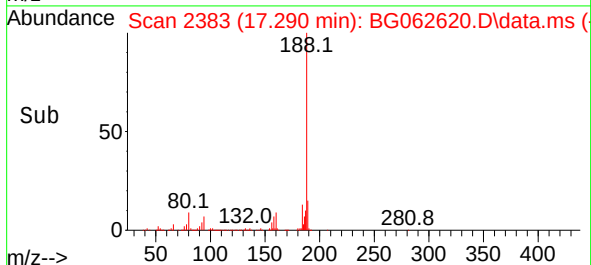
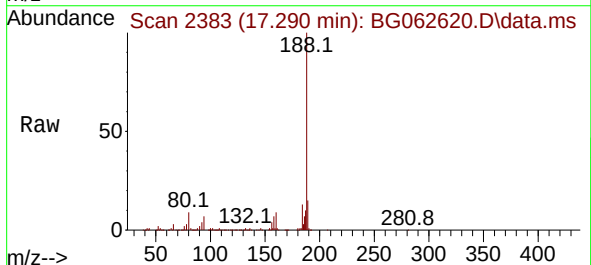


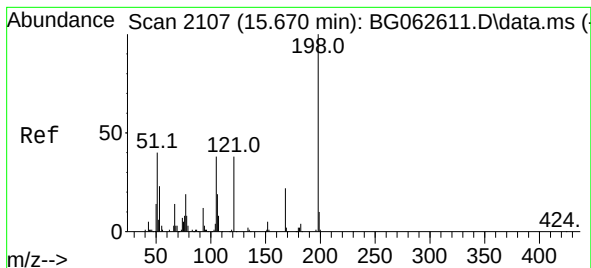
Tgt Ion: 77	Resp: 72766
Ion Ratio	Lower Upper
77 100	
182 26.7	5.0 45.0
105 20.6	0.5 40.5
51 30.4	11.4 51.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.290 min Scan# 2383
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:188	Resp: 560214
Ion Ratio	Lower Upper
188 100	
94 7.0	6.3 9.5
80 8.9	7.0 10.4

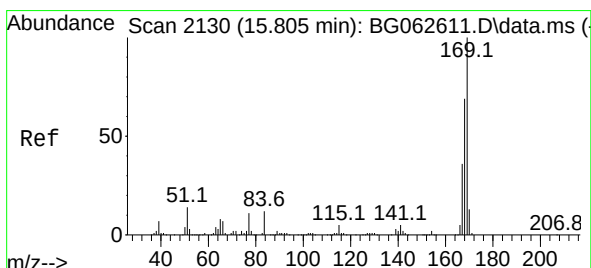
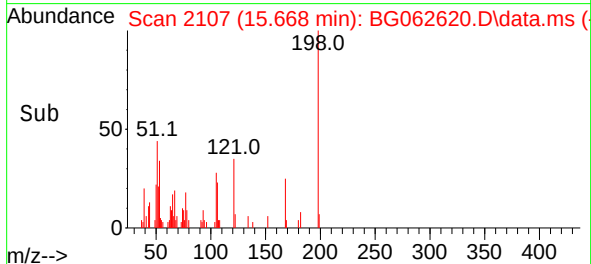
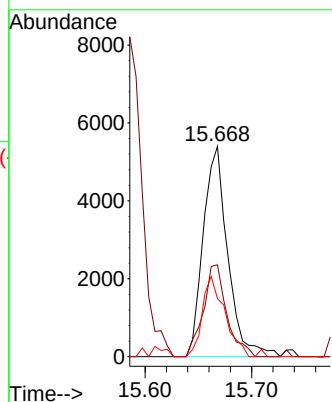
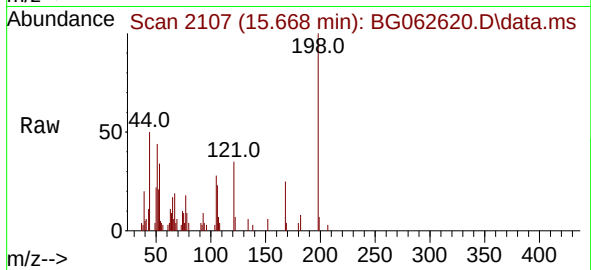




#65
4,6-Dinitro-2-methylphenol
Concen: 3.457 ng
RT: 15.668 min Scan# 2107
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

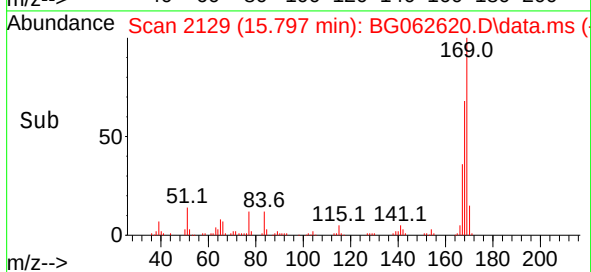
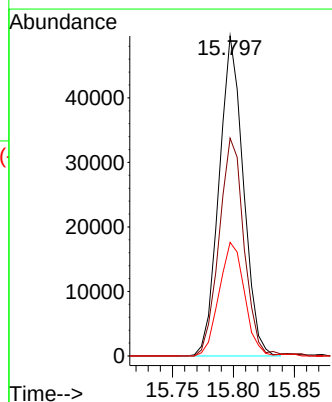
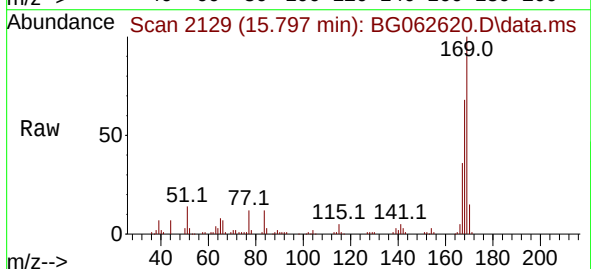
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

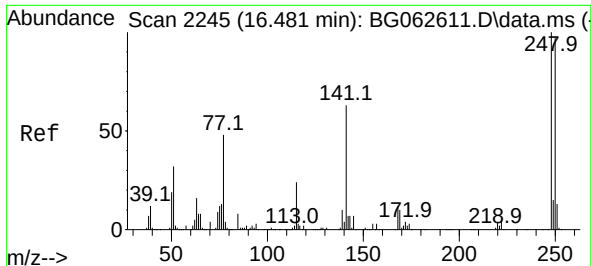
Tgt Ion:198 Resp: 8642
Ion Ratio Lower Upper
198 100
51 43.7 25.1 65.1
105 27.6 18.3 58.3



#66
n-Nitrosodiphenylamine
Concen: 5.103 ng
RT: 15.797 min Scan# 2129
Delta R.T. -0.008 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:169 Resp: 68733
Ion Ratio Lower Upper
169 100
168 68.1 55.4 83.2
167 35.5 29.0 43.6

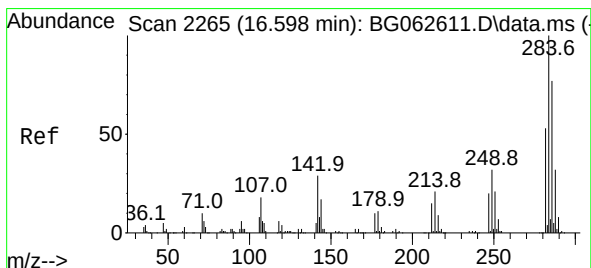
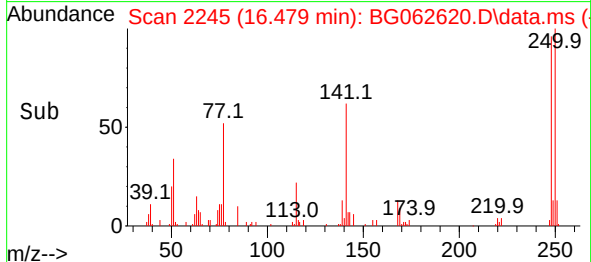
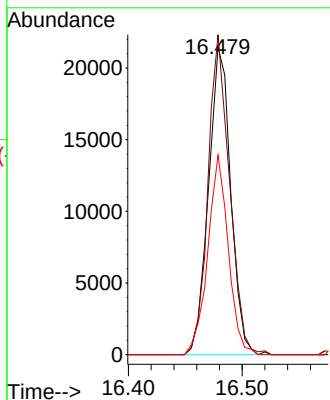
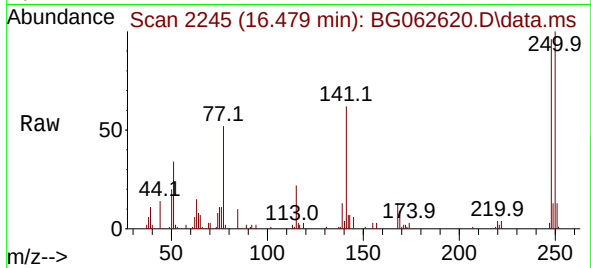




#67
4-Bromophenyl-phenylether
Concen: 5.042 ng
RT: 16.479 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

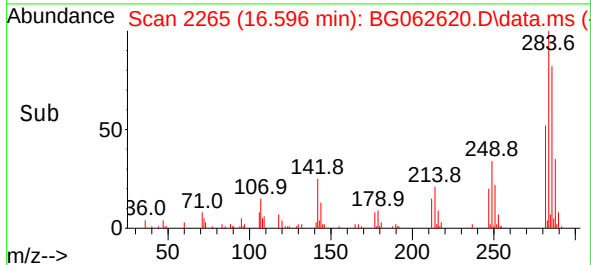
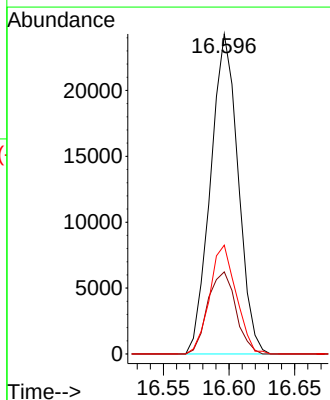
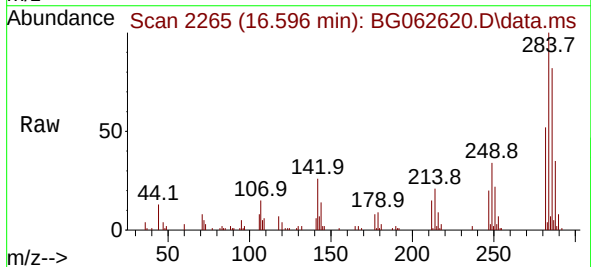
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

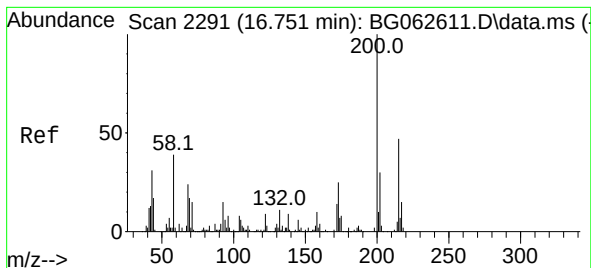
Tgt Ion:248 Resp: 29153
Ion Ratio Lower Upper
248 100
250 104.0 77.9 116.9
141 64.8 50.2 75.2



#68
Hexachlorobenzene
Concen: 5.184 ng
RT: 16.596 min Scan# 2265
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:284 Resp: 35498
Ion Ratio Lower Upper
284 100
142 25.7 23.5 35.3
249 34.0 25.4 38.0





#69

Atrazine

Concen: 6.690 ng

RT: 16.743 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

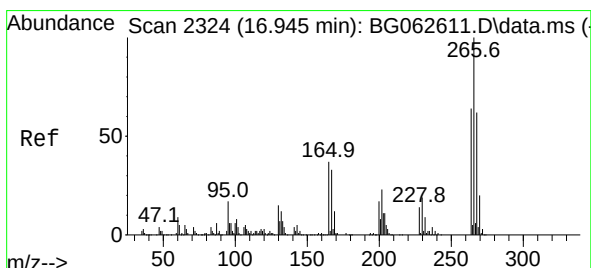
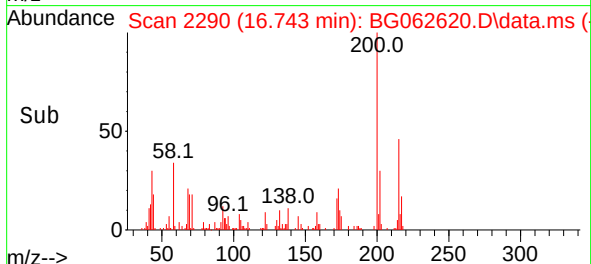
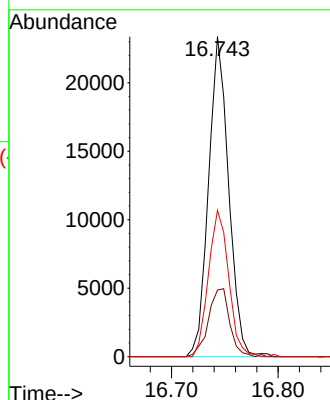
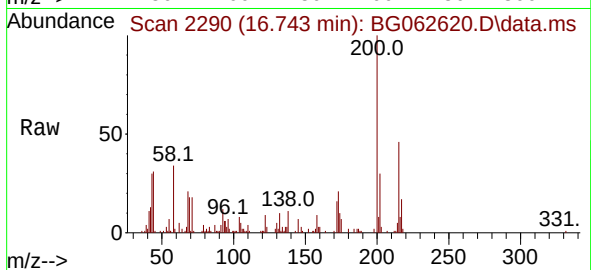
Tgt Ion:200 Resp: 30606

Ion Ratio Lower Upper

200 100

173 20.8 5.2 45.2

215 45.8 27.3 67.3



#70

Pentachlorophenol

Concen: 3.368 ng

RT: 16.937 min Scan# 2323

Delta R.T. -0.008 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

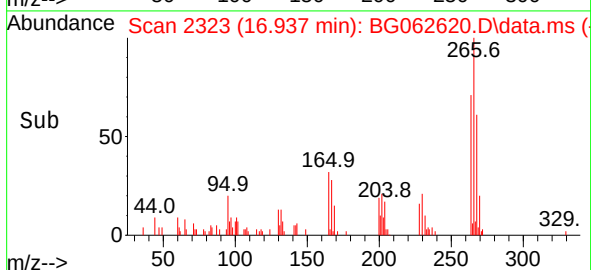
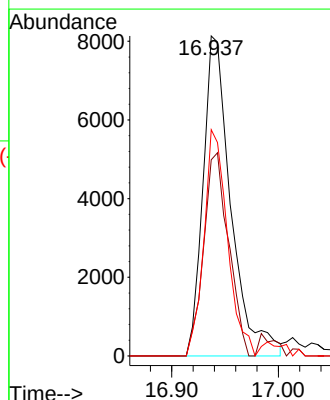
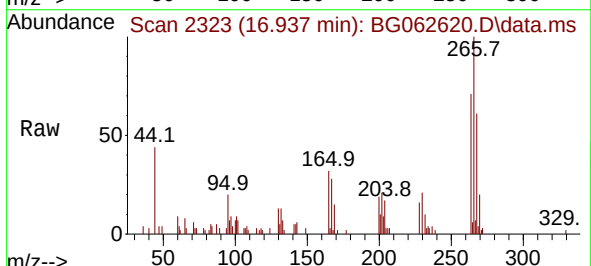
Tgt Ion:266 Resp: 14771

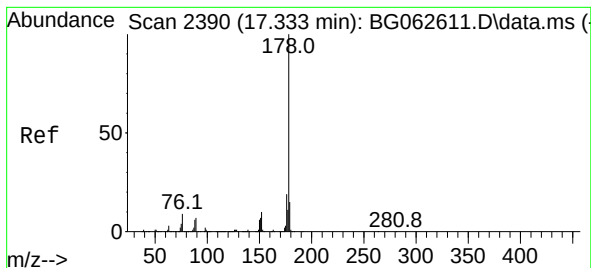
Ion Ratio Lower Upper

266 100

268 65.6 52.6 79.0

264 70.7 51.6 77.4





#71

Phenanthrene

Concen: 5.563 ng

RT: 17.331 min Scan# 2405

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

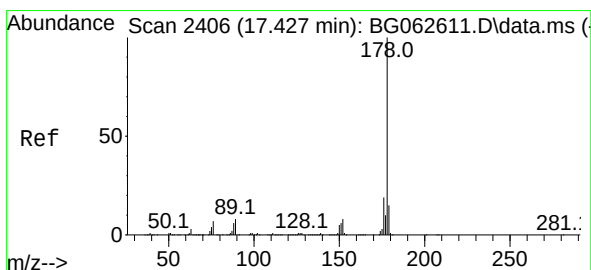
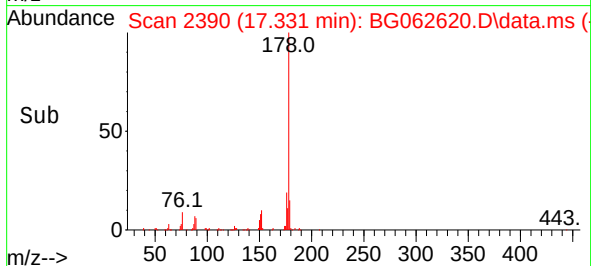
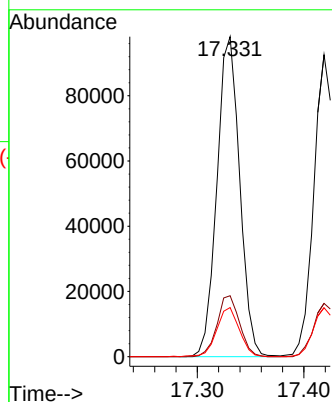
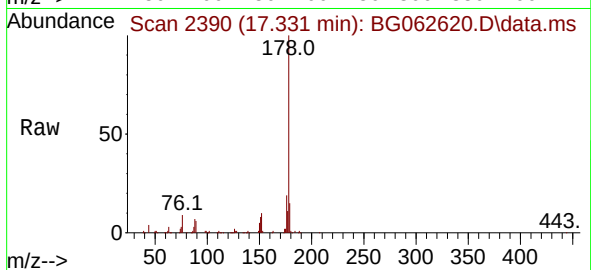
Tgt Ion:178 Resp: 145464

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.4 12.2 18.4



#72

Anthracene

Concen: 5.262 ng

RT: 17.419 min Scan# 2405

Delta R.T. -0.008 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

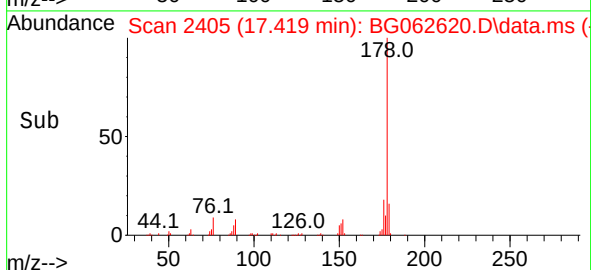
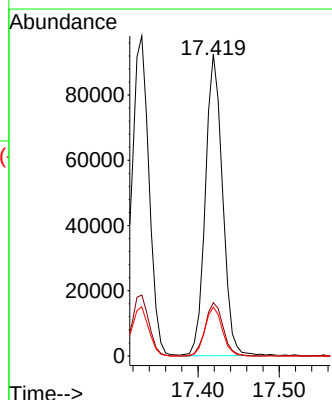
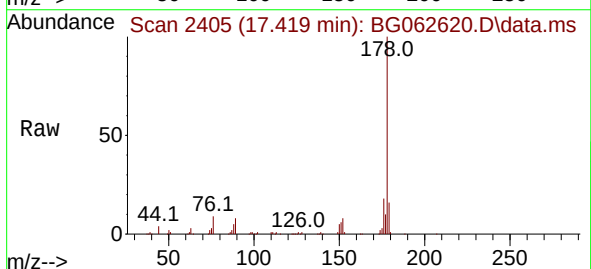
Tgt Ion:178 Resp: 135290

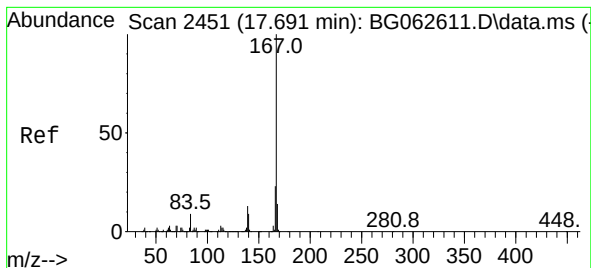
Ion Ratio Lower Upper

178 100

176 17.7 15.2 22.8

179 16.2 12.0 18.0





#73

Carbazole

Concen: 5.257 ng

RT: 17.689 min Scan# 2451

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

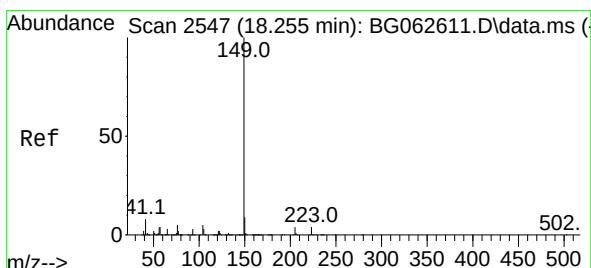
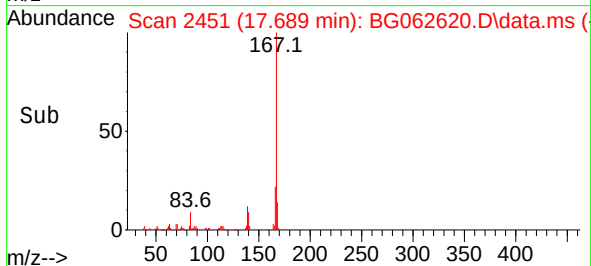
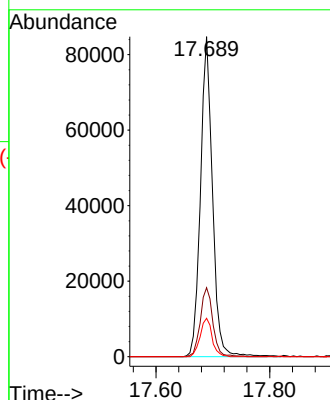
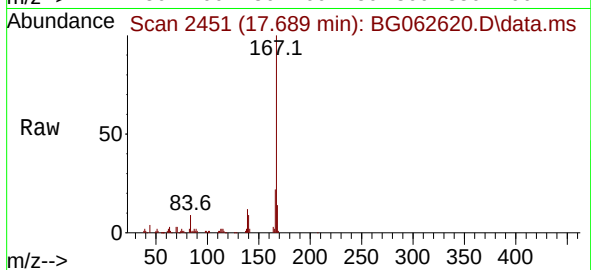
Tgt Ion:167 Resp: 124241

Ion Ratio Lower Upper

167 100

166 21.5 18.2 27.2

139 12.0 10.1 15.1



#74

Di-n-butylphthalate

Concen: 4.833 ng

RT: 18.253 min Scan# 2547

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

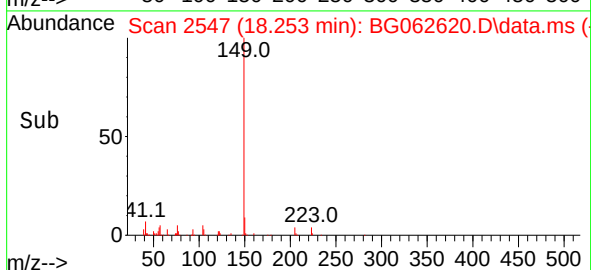
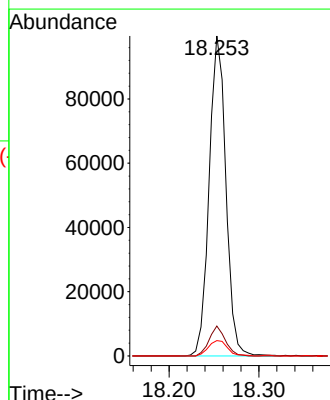
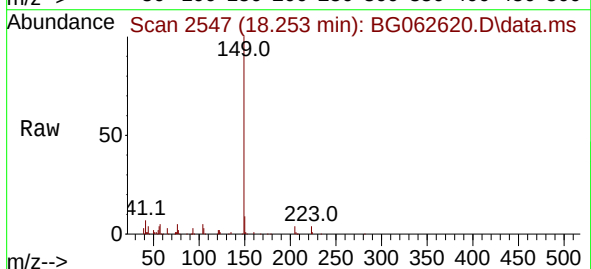
Tgt Ion:149 Resp: 128826

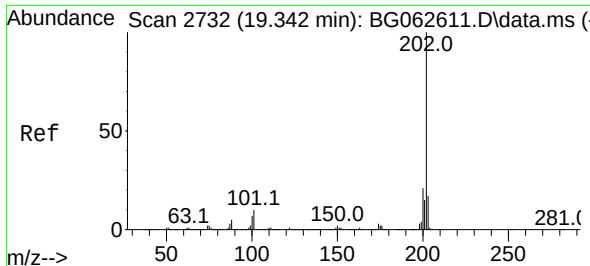
Ion Ratio Lower Upper

149 100

150 9.4 7.3 10.9

104 4.8 4.2 6.2

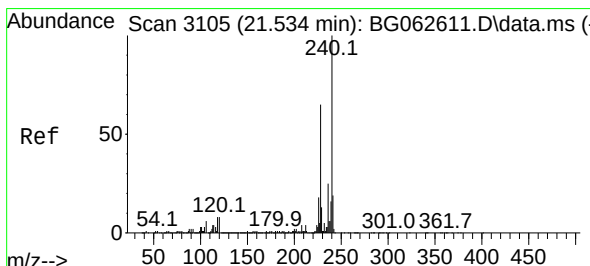
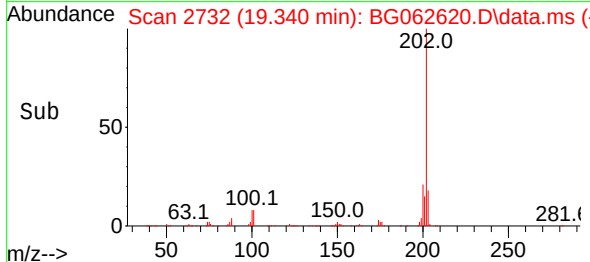
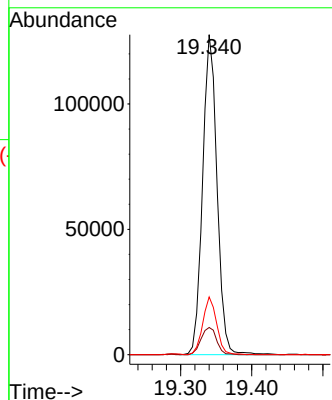
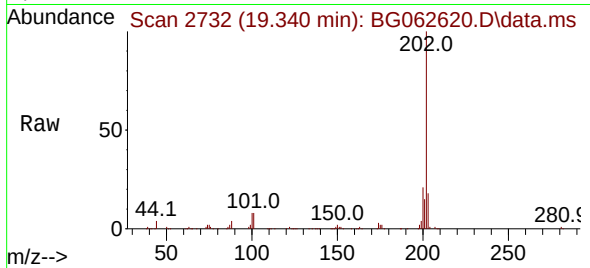




#75
Fluoranthene
Concen: 5.454 ng
RT: 19.340 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

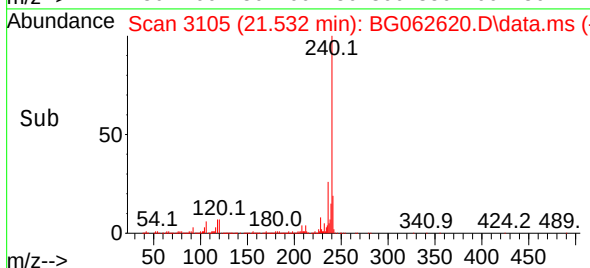
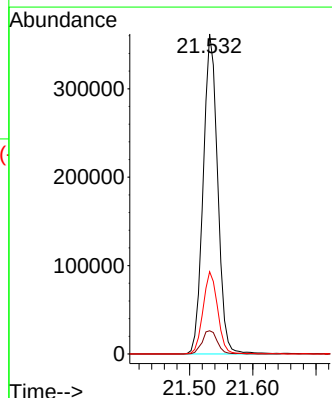
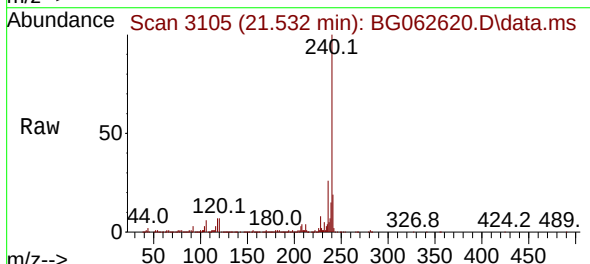
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

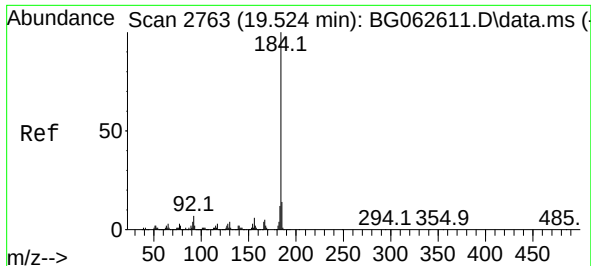
Tgt Ion:202 Resp: 180375
Ion Ratio Lower Upper
202 100
101 8.5 0.0 29.6
203 18.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.532 min Scan# 3105
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:240 Resp: 574875
Ion Ratio Lower Upper
240 100
120 7.3 6.6 9.8
236 25.7 20.2 30.4

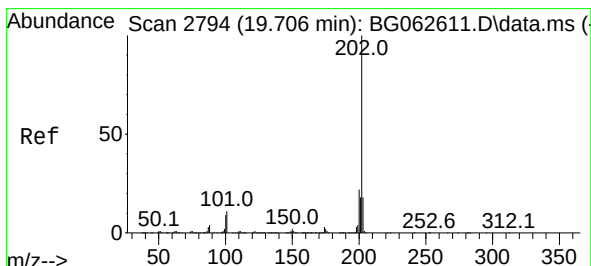
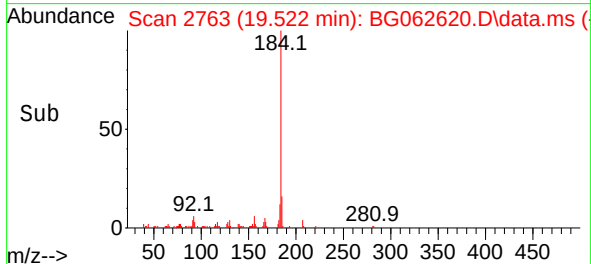
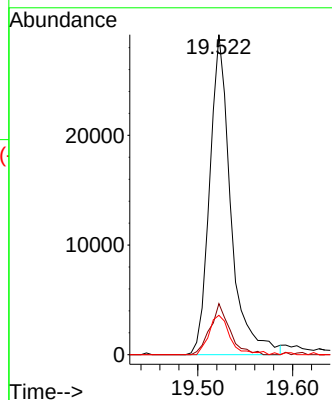
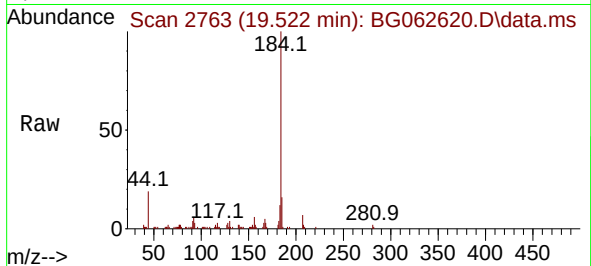




#77
Benzidine
Concen: 4.347 ng
RT: 19.522 min Scan# 2763
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

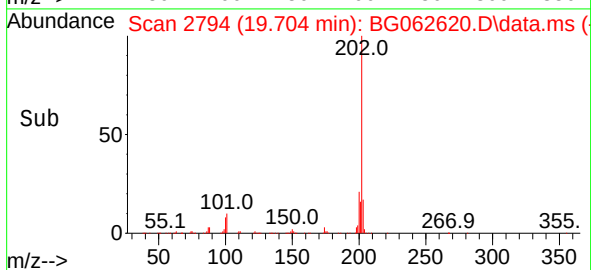
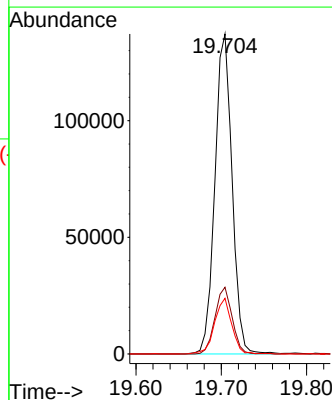
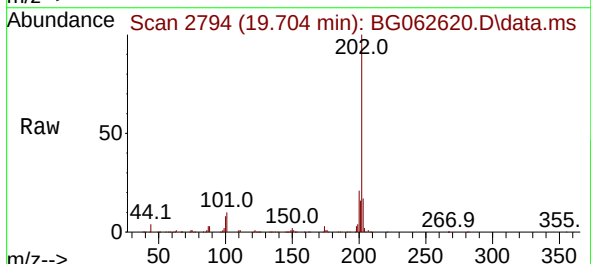
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

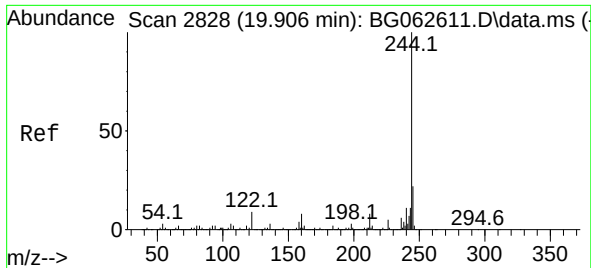
Tgt Ion:184 Resp: 45039
Ion Ratio Lower Upper
184 100
185 15.9 11.0 16.6
183 12.3 9.7 14.5



#78
Pyrene
Concen: 5.260 ng
RT: 19.704 min Scan# 2794
Delta R.T. -0.002 min
Lab File: BG062620.D
Acq: 3 Sep 2024 11:09

Tgt Ion:202 Resp: 192216
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 17.4 14.1 21.1

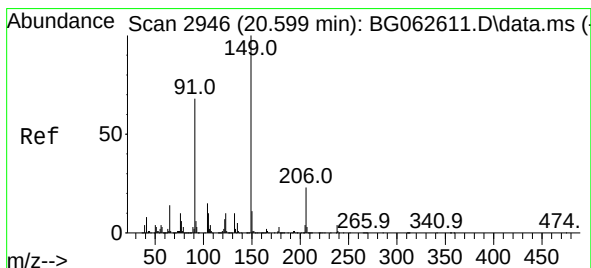
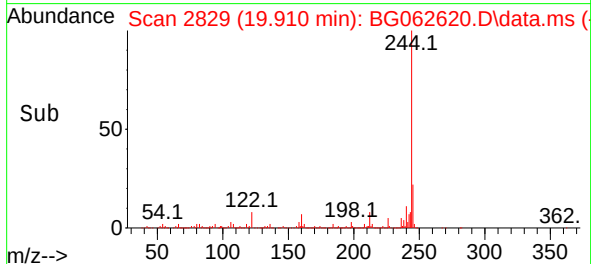
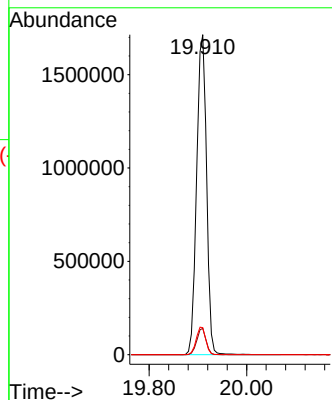
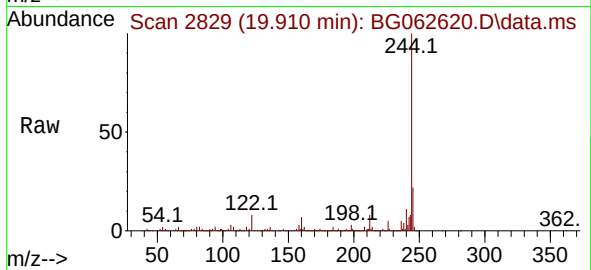




#79
 Terphenyl-d14
 Concen: 84.040 ng
 RT: 19.910 min Scan# 2828
 Delta R.T. 0.004 min
 Lab File: BG062620.D
 Acq: 3 Sep 2024 11:09

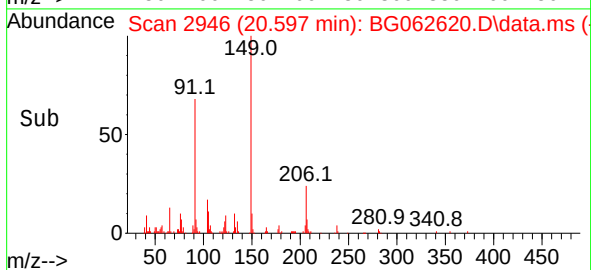
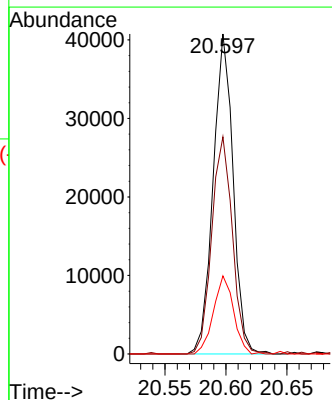
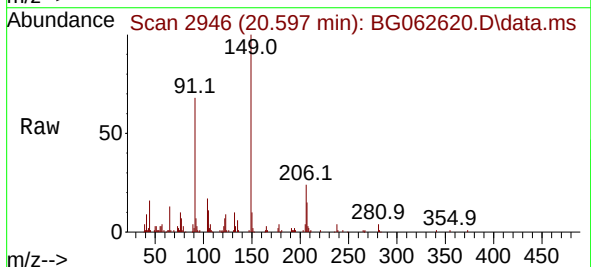
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

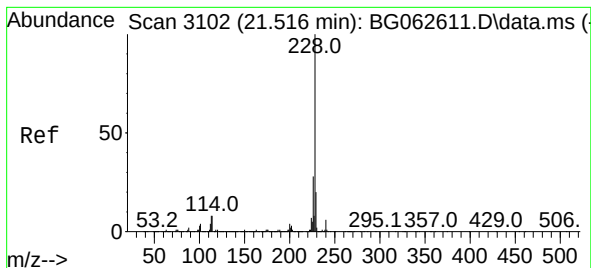
Tgt Ion:244 Resp: 2436523
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 10.0
 122 8.5 7.2 10.8



#80
 Butylbenzylphthalate
 Concen: 4.312 ng
 RT: 20.597 min Scan# 2946
 Delta R.T. -0.002 min
 Lab File: BG062620.D
 Acq: 3 Sep 2024 11:09

Tgt Ion:149 Resp: 46279
 Ion Ratio Lower Upper
 149 100
 91 67.8 54.6 81.8
 206 24.4 18.4 27.6





#81

Benzo(a)anthracene

Concen: 5.304 ng

RT: 21.514 min Scan# 3102

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

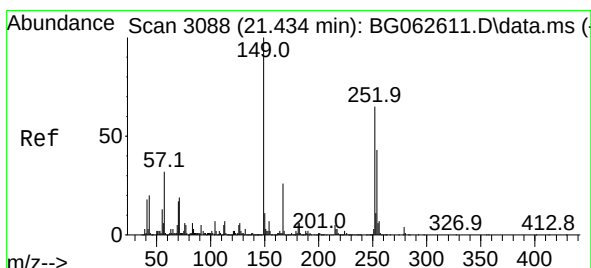
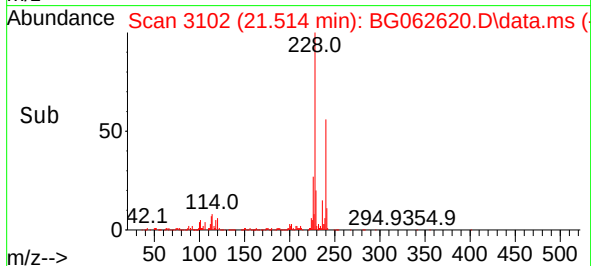
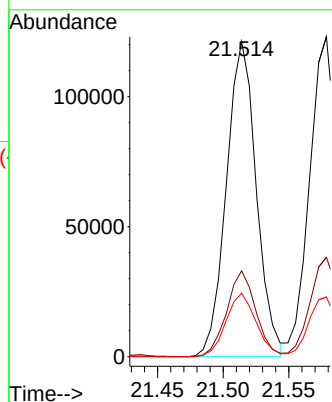
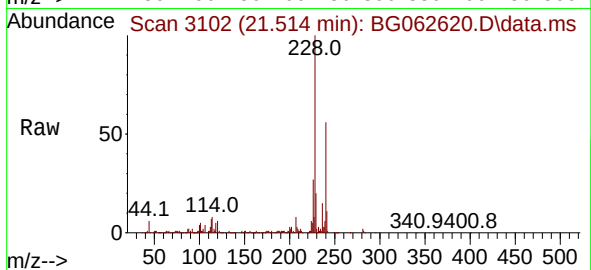
Tgt Ion:228 Resp: 192331

Ion Ratio Lower Upper

228 100

226 27.3 22.3 33.5

229 20.1 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 5.264 ng

RT: 21.432 min Scan# 3088

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

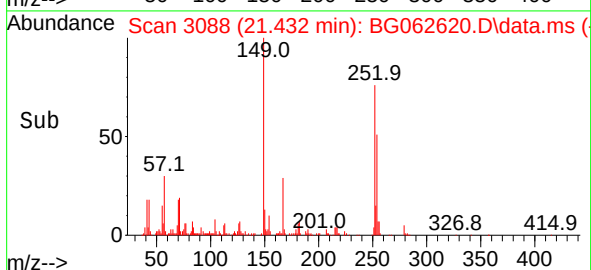
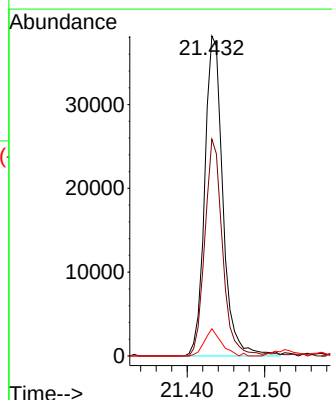
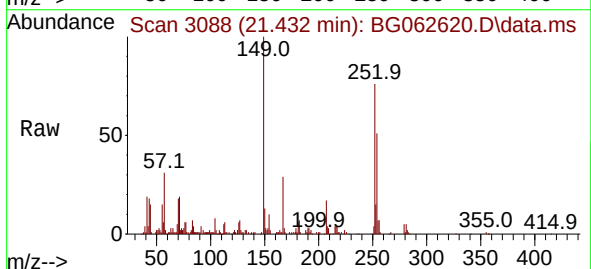
Tgt Ion:252 Resp: 62180

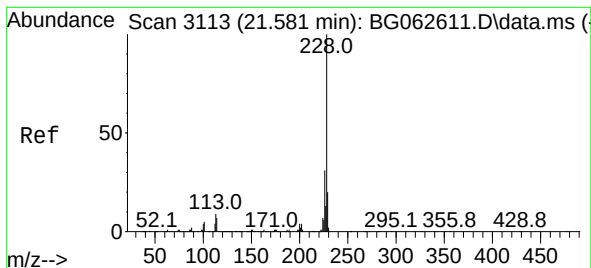
Ion Ratio Lower Upper

252 100

254 67.8 52.2 78.2

126 8.5 6.7 10.1





#83

Chrysene

Concen: 5.428 ng

RT: 21.579 min Scan# 3113

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

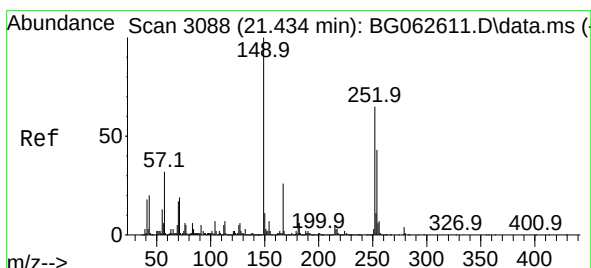
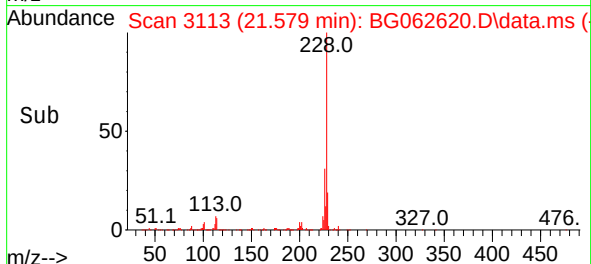
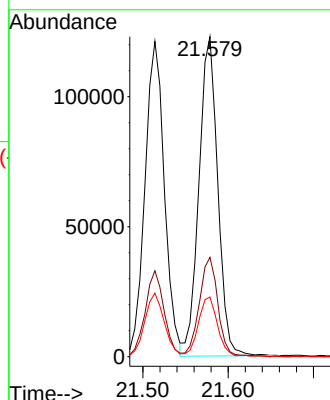
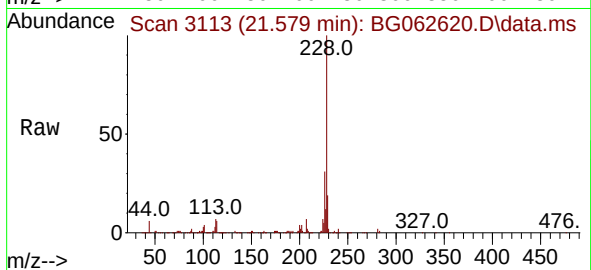
Tgt Ion:228 Resp: 188503

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

229 18.6 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.595 ng

RT: 21.438 min Scan# 3089

Delta R.T. 0.004 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

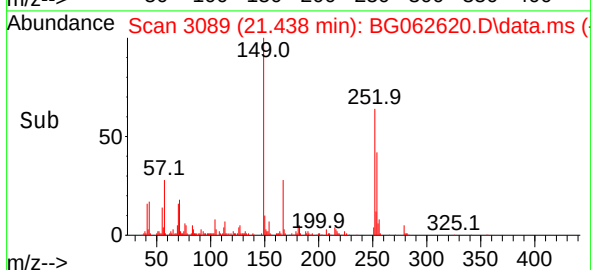
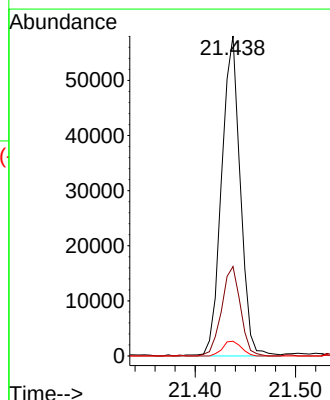
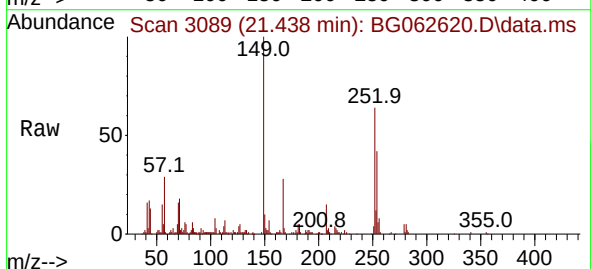
Tgt Ion:149 Resp: 74936

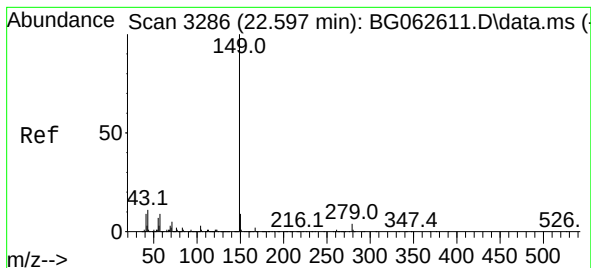
Ion Ratio Lower Upper

149 100

167 28.0 20.5 30.7

279 4.6 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 4.410 ng

RT: 22.595 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

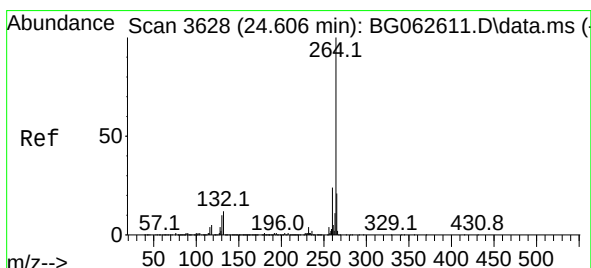
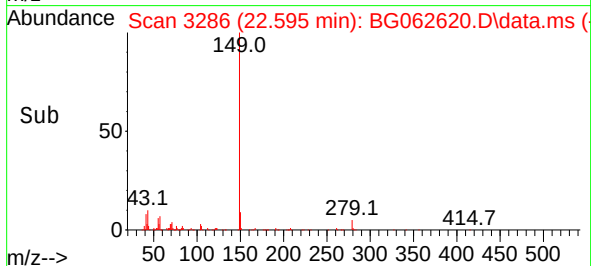
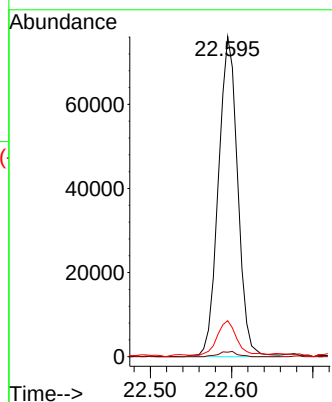
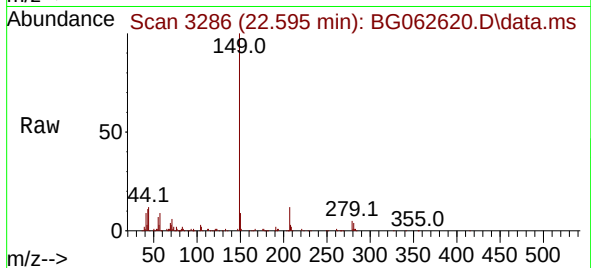
Tgt Ion:149 Resp: 125911

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: BG062620.D

Acq: 3 Sep 2024 11:09

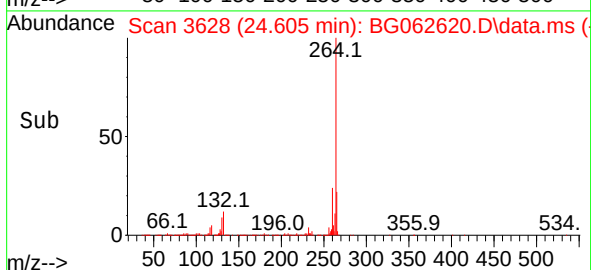
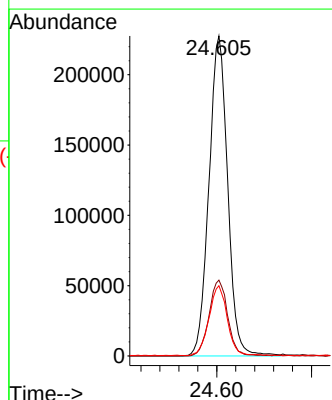
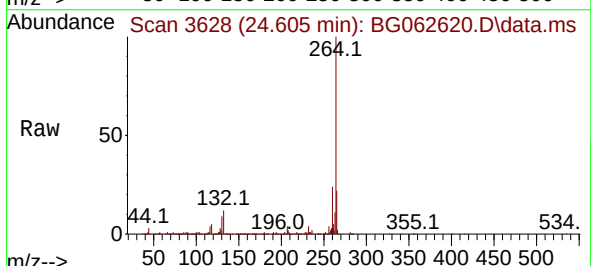
Tgt Ion:264 Resp: 622917

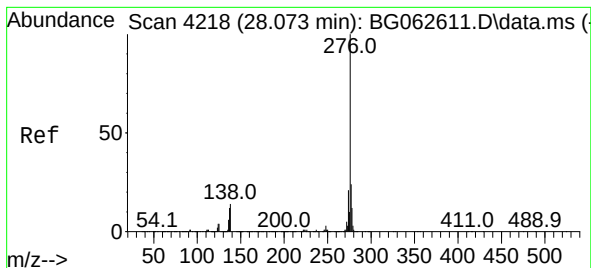
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 21.9 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.248 ng

RT: 28.059 min Scan# 41

Delta R.T. -0.014 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

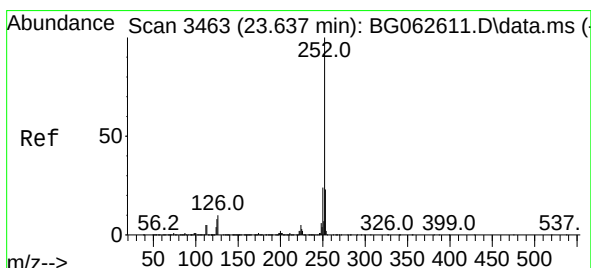
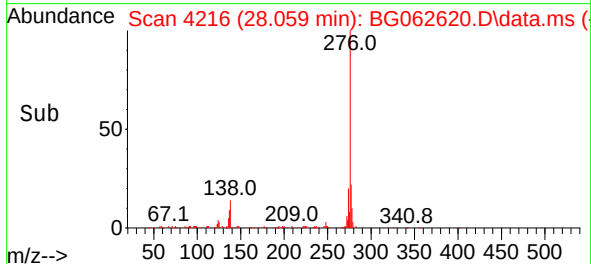
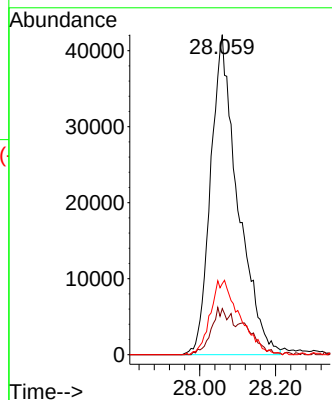
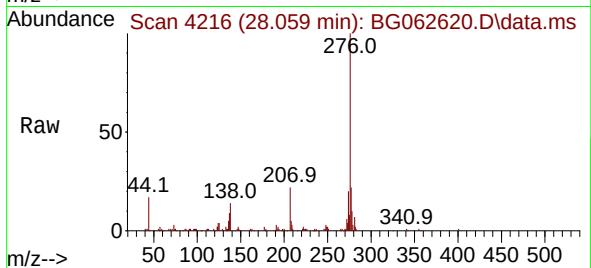
Tgt Ion:276 Resp: 209604

Ion Ratio Lower Upper

276 100

138 11.0 14.9 22.3#

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.269 ng

RT: 23.629 min Scan# 3462

Delta R.T. -0.008 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

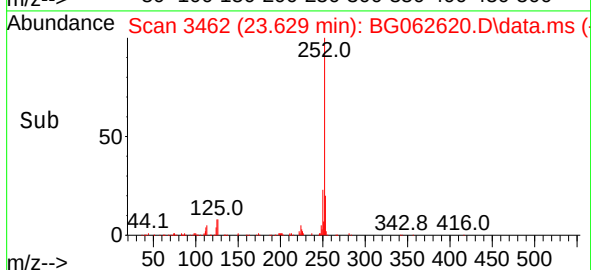
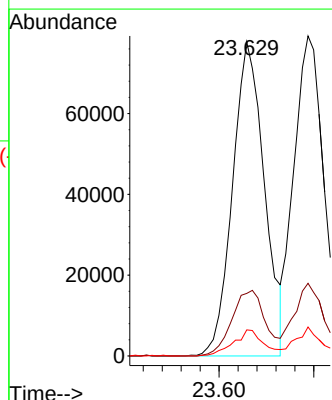
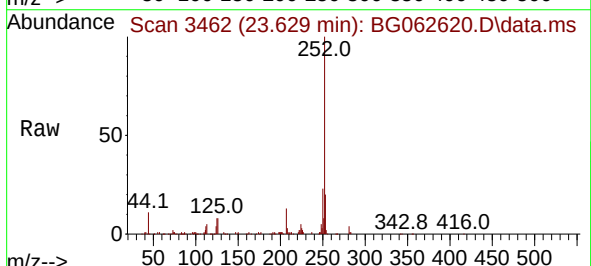
Tgt Ion:252 Resp: 181272

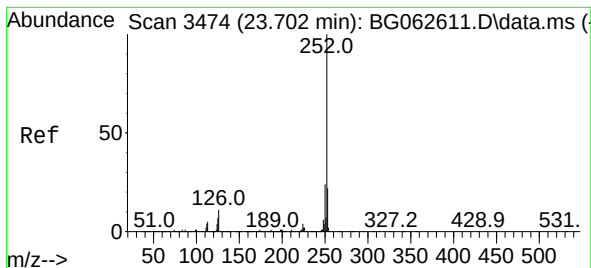
Ion Ratio Lower Upper

252 100

253 19.9 18.2 27.2

125 8.3 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 5.360 ng

RT: 23.694 min Scan# 34

Delta R.T. -0.008 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

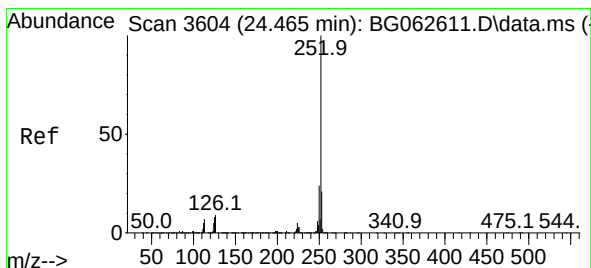
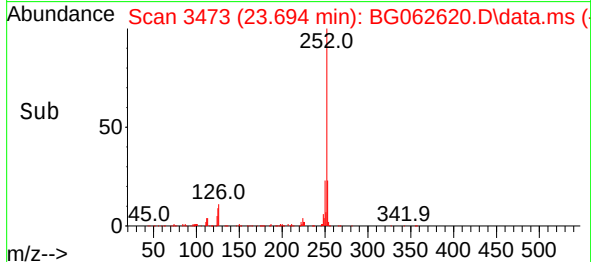
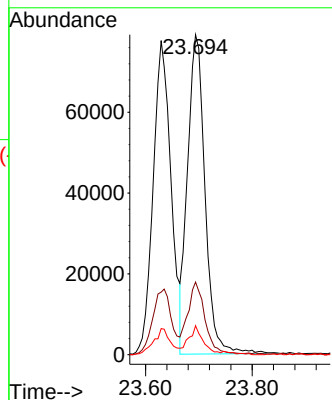
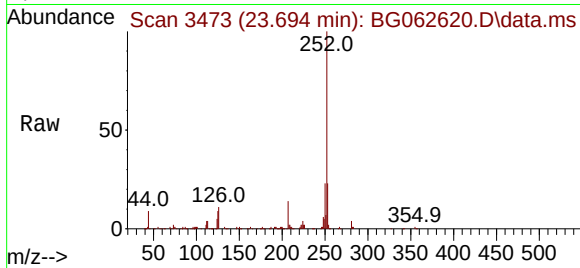
Tgt Ion:252 Resp: 180411

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 9.0 6.1 9.1



#90

Benzo(a)pyrene

Concen: 5.312 ng

RT: 24.452 min Scan# 3602

Delta R.T. -0.014 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

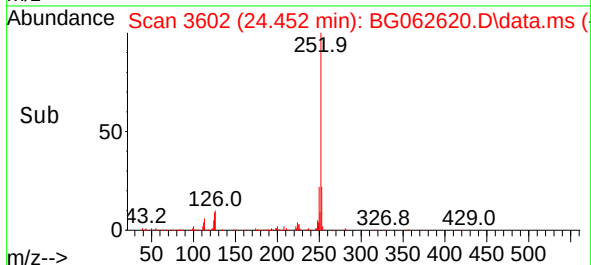
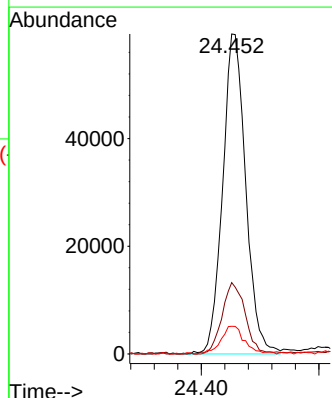
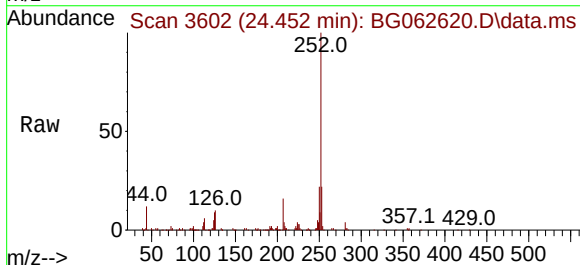
Tgt Ion:252 Resp: 161465

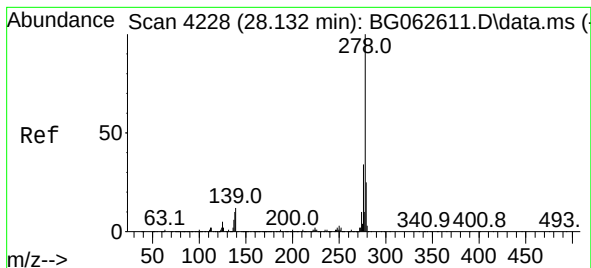
Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 8.7 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 5.211 ng

RT: 28.118 min Scan# 41

Delta R.T. -0.014 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

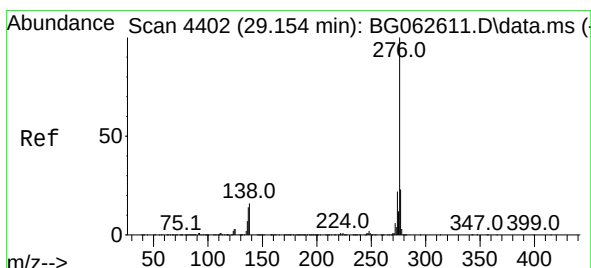
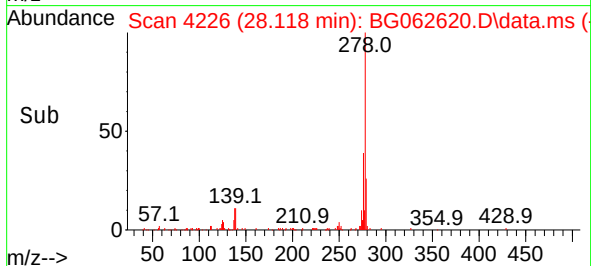
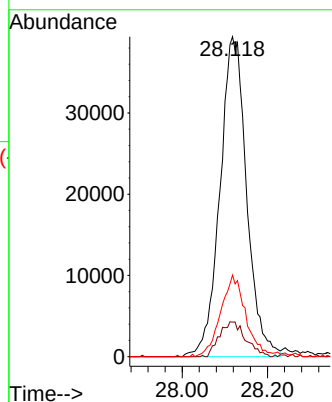
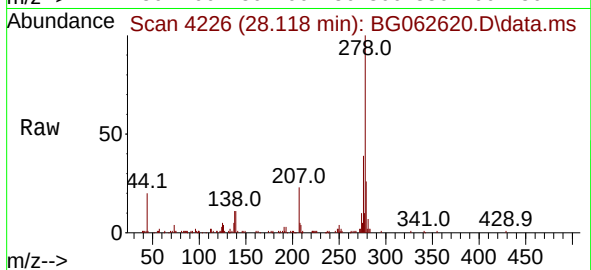
Tgt Ion:278 Resp: 171468

Ion Ratio Lower Upper

278 100

139 10.8 9.2 13.8

279 25.5 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 4.986 ng

RT: 29.134 min Scan# 4399

Delta R.T. -0.020 min

Lab File: BG062620.D

Acq: 3 Sep 2024 11:09

Tgt Ion:276 Resp: 165430

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 16.8 12.7 19.1

