

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090324\
 Data File : BG062623.D
 Acq On : 3 Sep 2024 13:09
 Operator : MA/JU
 Sample : P3390-02
 Misc : LOQ--SOIL-10ng
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Sep 04 04:54:23 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	62112	20.000	ng	0.00
21) Naphthalene-d8	10.715	136	276546	20.000	ng	0.00
39) Acenaphthene-d10	14.546	164	229026	20.000	ng	0.00
64) Phenanthrene-d10	17.290	188	617606	20.000	ng	0.00
76) Chrysene-d12	21.538	240	634372	20.000	ng	0.00
86) Perylene-d12	24.610	264	686367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	418497	116.465	ng	0.00
7) Phenol-d6	7.090	99	610915	117.686	ng	0.00
23) Nitrobenzene-d5	9.076	82	428829	83.513	ng	0.00
42) 2,4,6-Tribromophenol	16.038	330	419439	130.135	ng	0.00
45) 2-Fluorobiphenyl	13.171	172	1148090	81.199	ng	0.00
79) Terphenyl-d14	19.910	244	2406049	75.205	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.406	88	17394	11.620	ng	94
3) Pyridine	3.805	79	39872	9.244	ng	93
4) n-Nitrosodimethylamine	3.717	42	21131	10.078	ng	# 94
6) Aniline	7.248	93	55815	11.508	ng	96
8) 2-Chlorophenol	7.489	128	38088	9.873	ng	92
9) Benzaldehyde	7.060	77	39040	12.929	ng	94
10) Phenol	7.113	94	50709	9.649	ng	94
11) bis(2-Chloroethyl)ether	7.342	93	40479	10.061	ng	93
12) 1,3-Dichlorobenzene	7.812	146	41974	9.915	ng	98
13) 1,4-Dichlorobenzene	7.959	146	43060	9.883	ng	99
14) 1,2-Dichlorobenzene	8.277	146	39760	9.284	ng	99
15) Benzyl Alcohol	8.153	79	38377	9.992	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.441	45	74199	9.676	ng	99
17) 2-Methylphenol	8.359	107	32181	8.785	ng	96
18) Hexachloroethane	9.005	117	15017	9.192	ng	93
19) n-Nitroso-di-n-propyla...	8.717	70	38735	9.470	ng	94
20) 3+4-Methylphenols	8.688	107	47022	8.701	ng	95
22) Acetophenone	8.741	105	71755	9.618	ng	# 94
24) Nitrobenzene	9.117	77	53237	9.751	ng	97
25) Isophorone	9.640	82	111690	9.909	ng	98
26) 2-Nitrophenol	9.828	139	19758	9.578	ng	96
27) 2,4-Dimethylphenol	9.892	122	13625	4.508	ng	94
28) bis(2-Chloroethoxy)met...	10.121	93	58214	9.648	ng	100
29) 2,4-Dichlorophenol	10.362	162	41241	9.758	ng	97
30) 1,2,4-Trichlorobenzene	10.580	180	48815	9.743	ng	96
31) Naphthalene	10.768	128	134292	9.797	ng	99
32) Benzoic acid	10.074	122	909	0.280	ng	90
33) 4-Chloroaniline	10.874	127	56126	10.405	ng	97
34) Hexachlorobutadiene	11.056	225	33310	9.519	ng	92
35) Caprolactam	11.620	113	15875	9.744	ng	93
36) 4-Chloro-3-methylphenol	11.996	107	48116	9.439	ng	97
37) 2-Methylnaphthalene	12.372	142	103094	9.697	ng	99
38) 1-Methylnaphthalene	12.595	142	100980	9.459	ng	97
40) 1,2,4,5-Tetrachloroben...	12.742	216	71202	10.338	ng	98
41) Hexachlorocyclopentadiene	12.724	237	18264	9.294	ng	94
43) 2,4,6-Trichlorophenol	12.983	196	43358	9.930	ng	95

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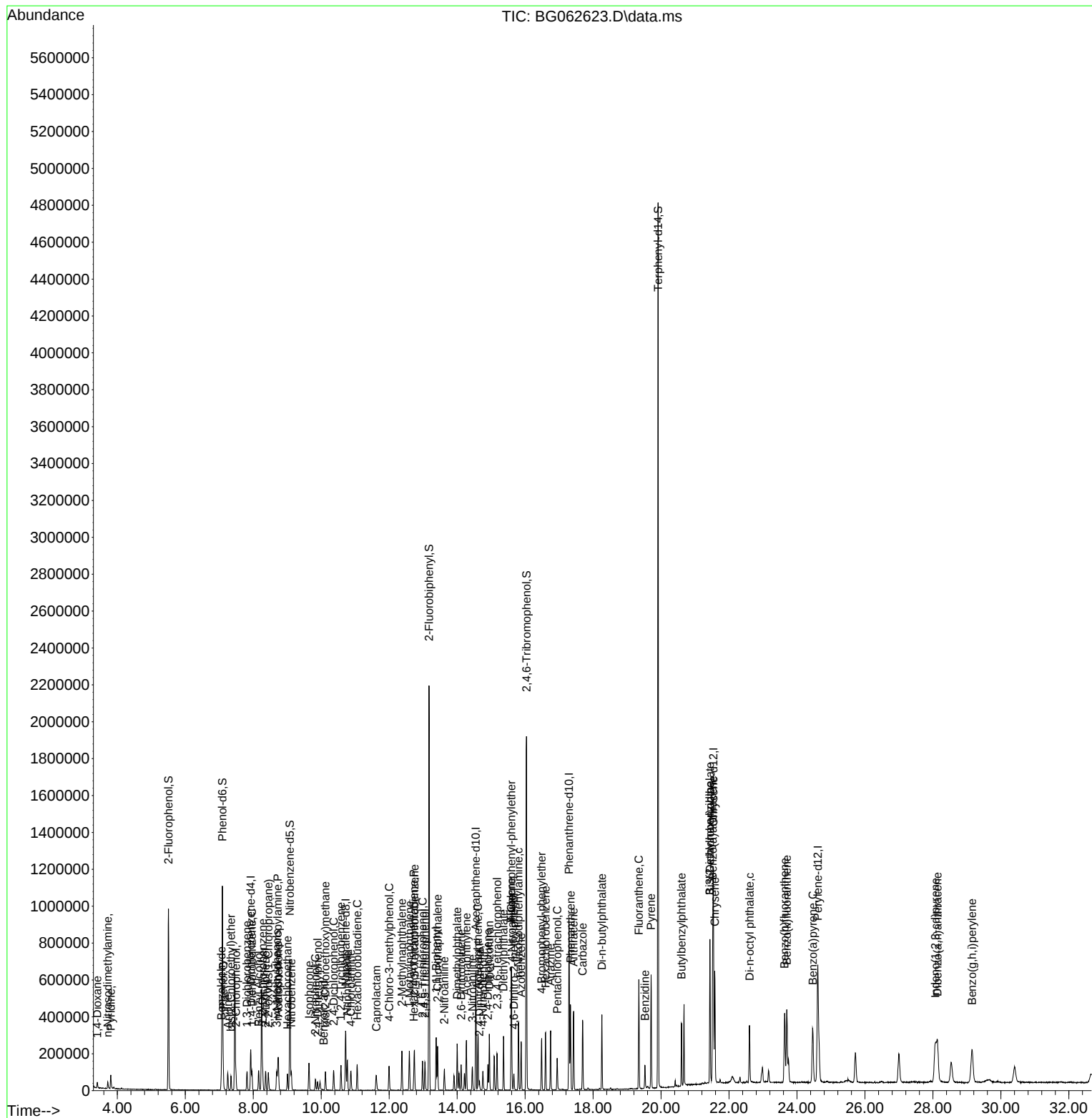
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.053	196	46562	9.417	ng	98
46) 1,1'-Biphenyl	13.382	154	156519	10.244	ng	99
47) 2-Chloronaphthalene	13.423	162	124294	10.037	ng	97
48) 2-Nitroaniline	13.623	65	31129	9.558	ng	96
49) Acenaphthylene	14.270	152	200100	10.912	ng	98
50) Dimethylphthalate	13.999	163	169426	10.117	ng	99
51) 2,6-Dinitrotoluene	14.117	165	28585	9.024	ng	97
52) Acenaphthene	14.610	154	113436	9.895	ng	100
53) 3-Nitroaniline	14.446	138	30388	9.914	ng	98
54) 2,4-Dinitrophenol	14.651	184	13577	7.638	ng	# 91
55) Dibenzofuran	14.945	168	207234	10.541	ng	94
56) 4-Nitrophenol	14.757	139	26389	10.159	ng	94
57) 2,4-Dinitrotoluene	14.904	165	38294	8.860	ng	99
58) Fluorene	15.592	166	160007	10.371	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.174	232	47235	10.084	ng	# 98
60) Diethylphthalate	15.362	149	164888	9.934	ng	98
61) 4-Chlorophenyl-phenyle...	15.592	204	90512	10.219	ng	95
62) 4-Nitroaniline	15.603	138	33459	9.900	ng	98
63) Azobenzene	15.879	77	155889	10.002	ng	98
65) 4,6-Dinitro-2-methylph...	15.668	198	22388	8.123	ng	94
66) n-Nitrosodiphenylamine	15.803	169	144520	9.733	ng	97
67) 4-Bromophenyl-phenylether	16.485	248	63696	9.993	ng	91
68) Hexachlorobenzene	16.602	284	74810	9.910	ng	97
69) Atrazine	16.749	200	64250	12.739	ng	98
70) Pentachlorophenol	16.943	266	37275	7.710	ng	94
71) Phenanthrene	17.337	178	296583	10.288	ng	99
72) Anthracene	17.425	178	285028	10.056	ng	98
73) Carbazole	17.689	167	258436	9.918	ng	99
74) Di-n-butylphthalate	18.259	149	290927	9.901	ng	99
75) Fluoranthene	19.346	202	375735	10.306	ng	99
77) Benzidine	19.528	184	85412	7.470	ng	99
78) Pyrene	19.704	202	397284	9.852	ng	99
80) Butylbenzylphthalate	20.603	149	104387	8.813	ng	98
81) Benzo(a)anthracene	21.520	228	401218	10.028	ng	99
82) 3,3'-Dichlorobenzidine	21.438	252	135372	10.386	ng	97
83) Chrysene	21.579	228	382388	9.977	ng	98
84) Bis(2-ethylhexyl)phtha...	21.438	149	166474	9.252	ng	# 97
85) Di-n-octyl phthalate	22.601	149	278430	8.837	ng	97
87) Indeno(1,2,3-cd)pyrene	28.071	276	444708	10.104	ng	99
88) Benzo(b)fluoranthene	23.635	252	386375	10.192	ng	97
89) Benzo(k)fluoranthene	23.700	252	379186	10.225	ng	99
90) Benzo(a)pyrene	24.463	252	346379	10.342	ng	99
91) Dibenzo(a,h)anthracene	28.136	278	368811	10.172	ng	# 97
92) Benzo(g,h,i)perylene	29.152	276	353891	9.680	ng	96

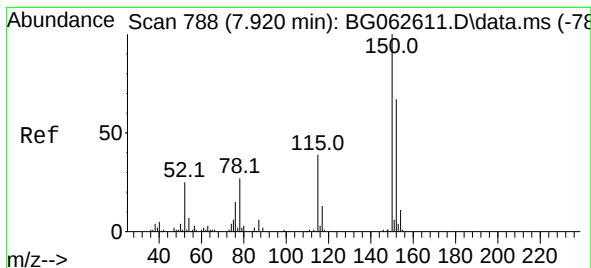
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.924 min Scan# 70

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

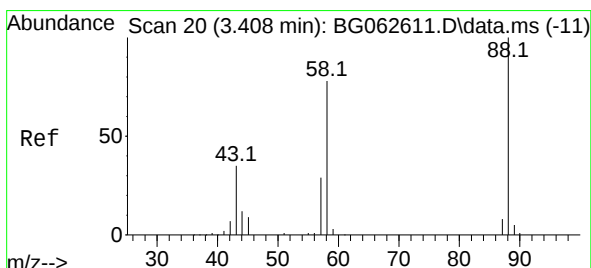
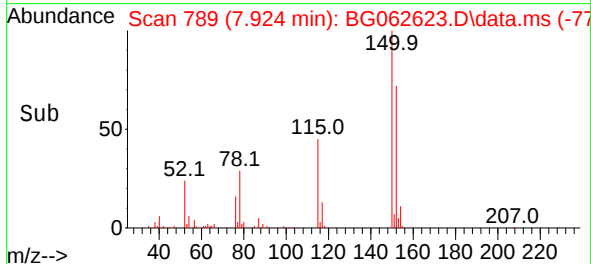
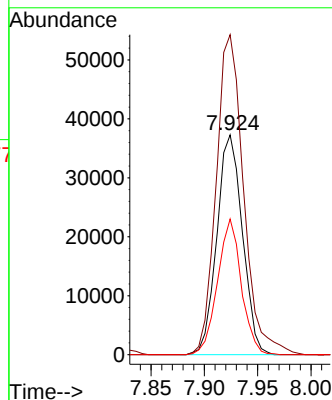
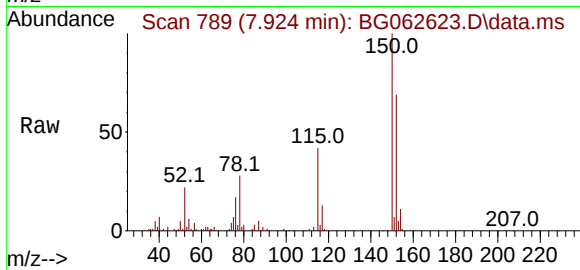
Tgt Ion:152 Resp: 62112

Ion Ratio Lower Upper

152 100

150 145.5 119.9 179.9

115 61.7 46.6 69.8



#2

1,4-Dioxane

Concen: 11.620 ng

RT: 3.406 min Scan# 20

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

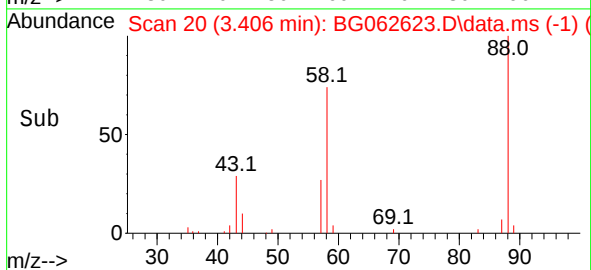
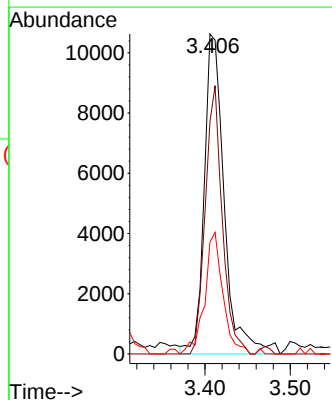
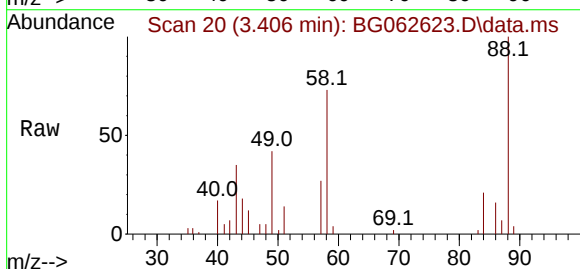
Tgt Ion: 88 Resp: 17394

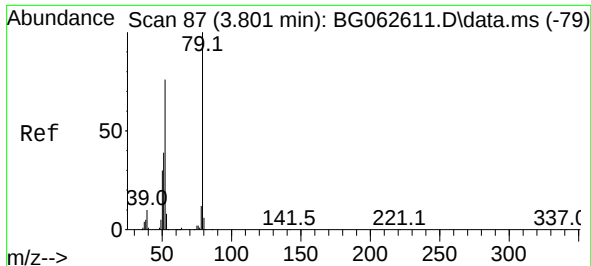
Ion Ratio Lower Upper

88 100

58 71.0 62.3 93.5

43 35.2 27.5 41.3

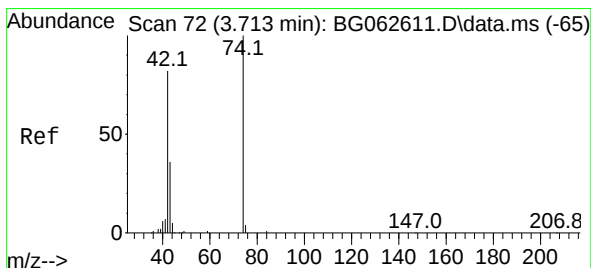
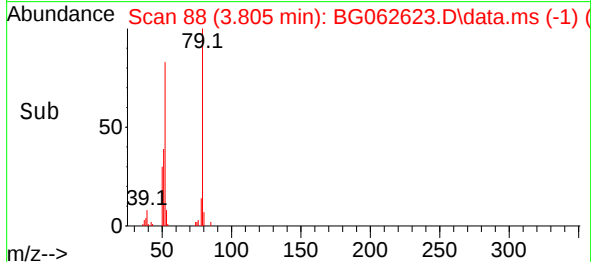
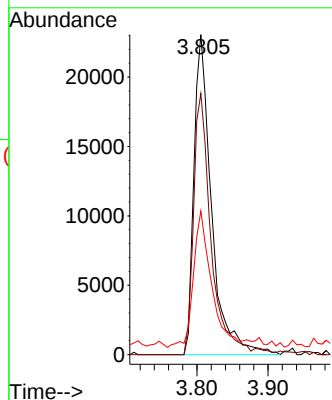
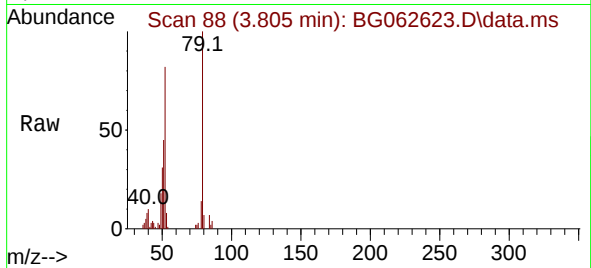




#3
 Pyridine
 Concen: 9.244 ng
 RT: 3.805 min Scan# 80
 Delta R.T. 0.004 min
 Lab File: BG062623.D
 Acq: 3 Sep 2024 13:09

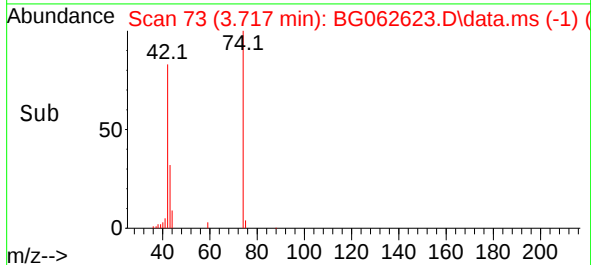
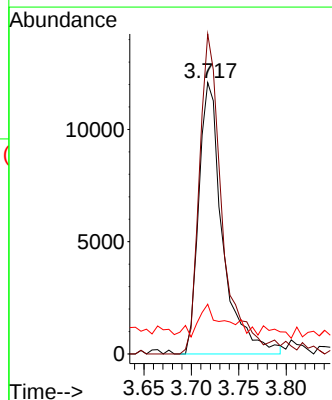
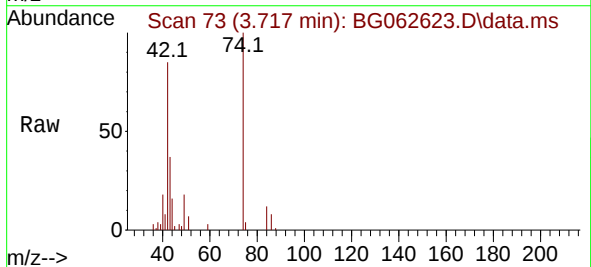
Instrument :
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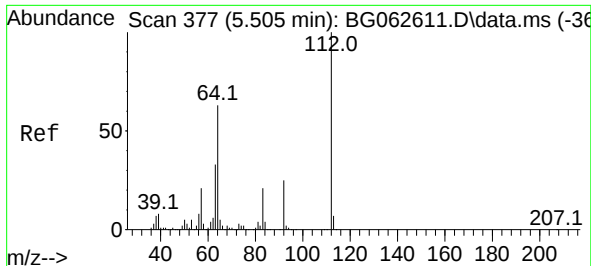
Tgt Ion: 79 Resp: 39872
 Ion Ratio Lower Upper
 79 100
 52 81.6 60.9 91.3
 51 44.9 31.5 47.3



#4
 n-Nitrosodimethylamine
 Concen: 10.078 ng
 RT: 3.717 min Scan# 73
 Delta R.T. 0.004 min
 Lab File: BG062623.D
 Acq: 3 Sep 2024 13:09

Tgt Ion: 42 Resp: 21131
 Ion Ratio Lower Upper
 42 100
 74 117.9 98.0 147.0
 44 18.3 7.4 11.2#

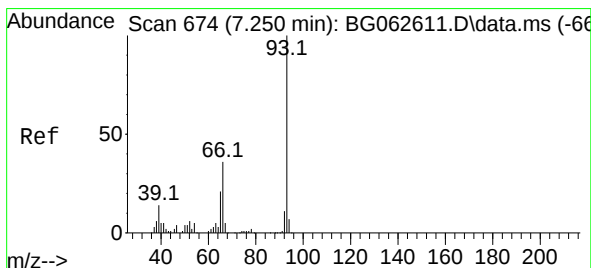
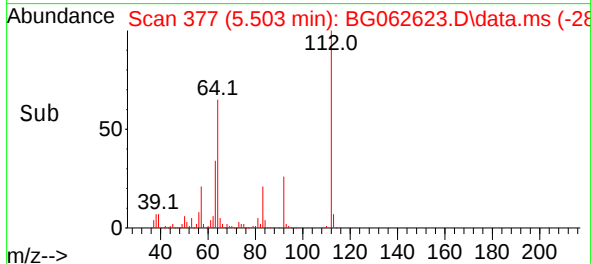
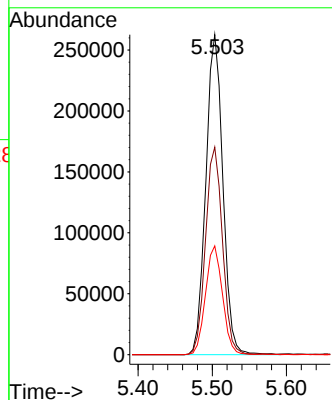
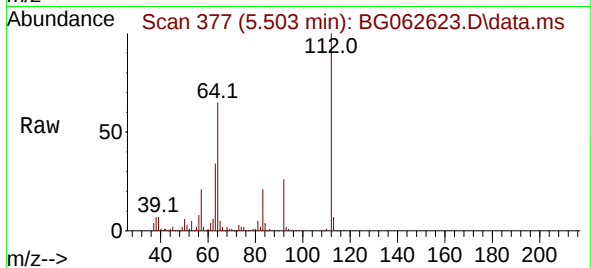




#5
2-Fluorophenol
Concen: 116.465 ng
RT: 5.503 min Scan# 377
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

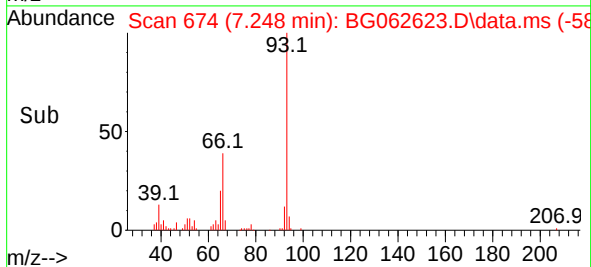
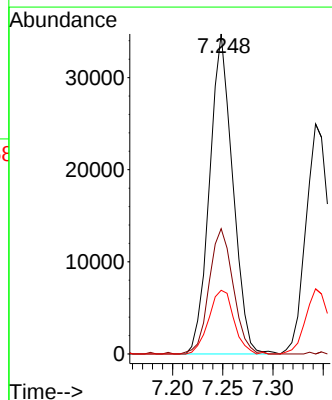
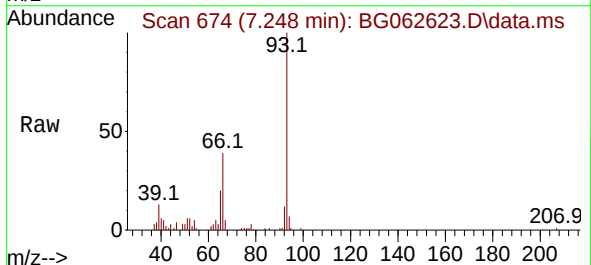
Instrument :
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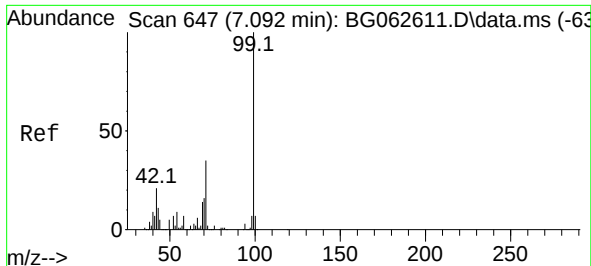
Tgt Ion:112 Resp: 418497
Ion Ratio Lower Upper
112 100
64 64.9 50.2 75.2
63 34.0 26.6 39.8



#6
Aniline
Concen: 11.508 ng
RT: 7.248 min Scan# 674
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion: 93 Resp: 55815
Ion Ratio Lower Upper
93 100
66 39.2 29.1 43.7
65 19.9 16.6 25.0





#7

Phenol-d6

Concen: 117.686 ng

RT: 7.090 min Scan# 647

Delta R.T. -0.002 min

Lab File: BG062623.D

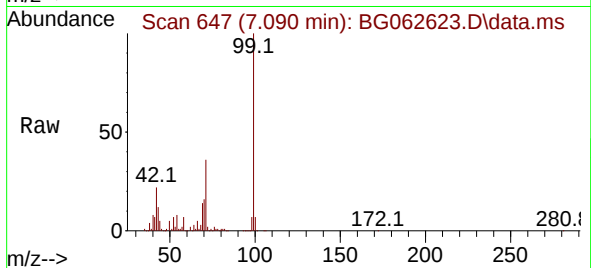
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Instrument :

BNA_G

ClientSampleId :

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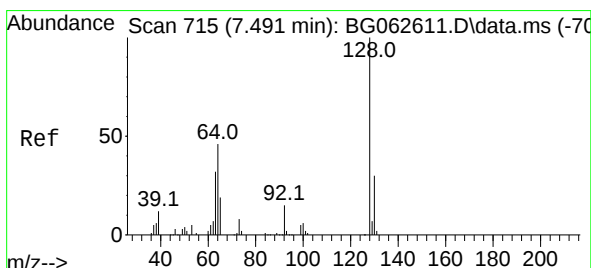
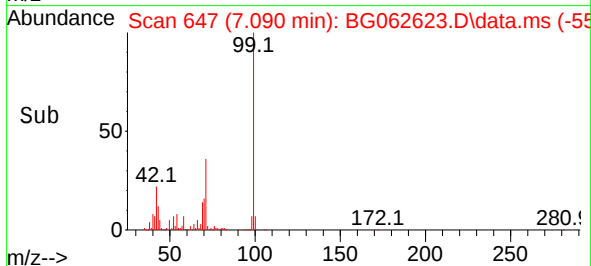
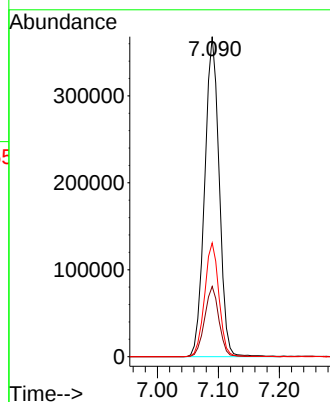
Tgt Ion: 99 Resp: 610915

Ion Ratio Lower Upper

99 100

42 22.0 16.9 25.3

71 35.5 27.9 41.9



#8

2-Chlorophenol

Concen: 9.873 ng

RT: 7.489 min Scan# 715

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

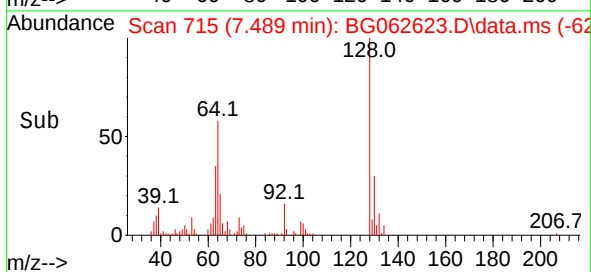
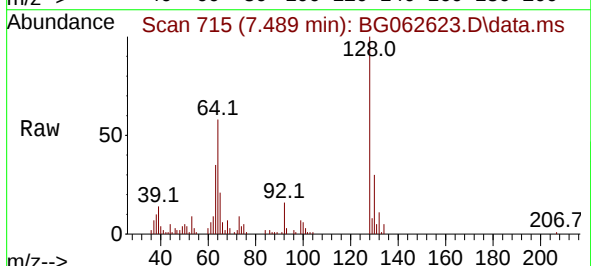
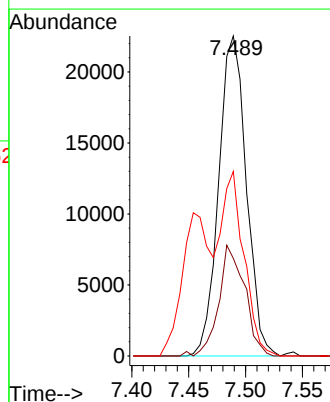
Tgt Ion:128 Resp: 38088

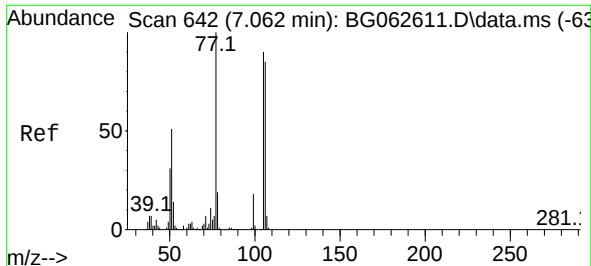
Ion Ratio Lower Upper

128 100

130 30.5 10.0 50.0

64 57.7 28.8 68.8

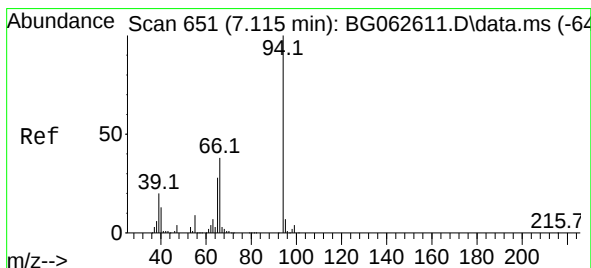
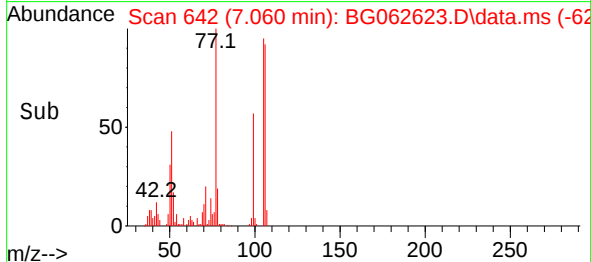
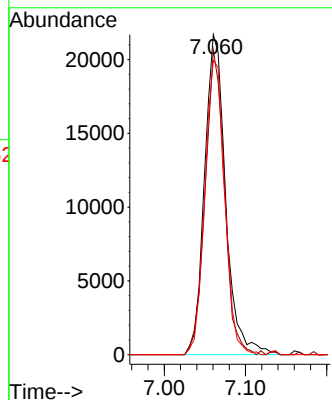
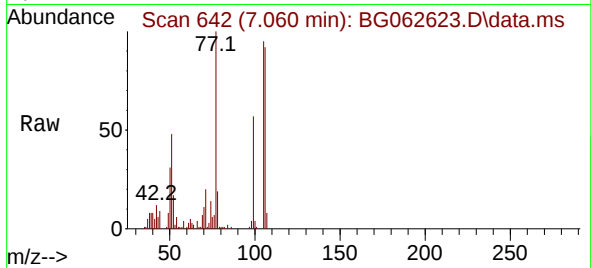




#9
Benzaldehyde
Concen: 12.929 ng
RT: 7.060 min Scan# 642
Delta R.T. -0.002 min
Lab File: BG062623.D
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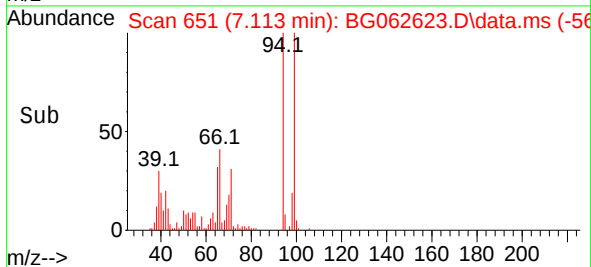
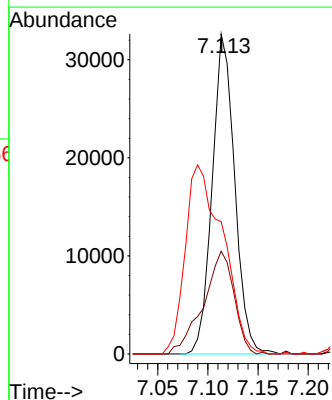
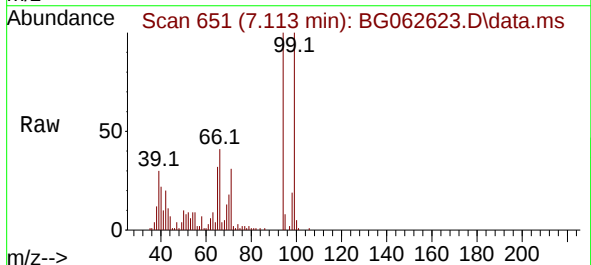
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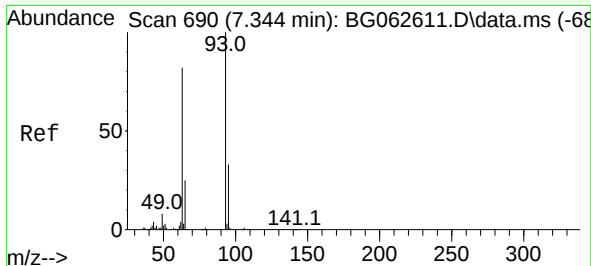
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Ion Ratio Lower Upper
77 100
105 95.2 70.2 110.2
106 92.0 65.4 105.4



#10
Phenol
Concen: 9.649 ng
RT: 7.113 min Scan# 651
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion: 94 Resp: 50709
Ion Ratio Lower Upper
94 100
65 32.1 8.6 48.6
66 41.4 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 10.061 ng

RT: 7.342 min Scan# 690

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

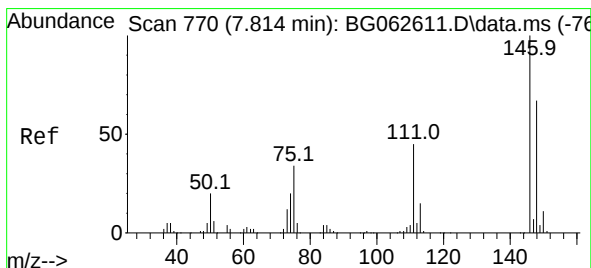
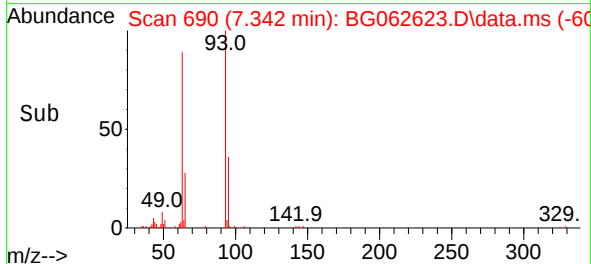
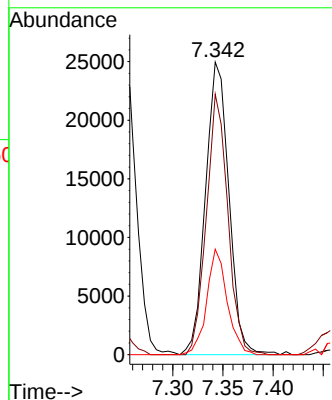
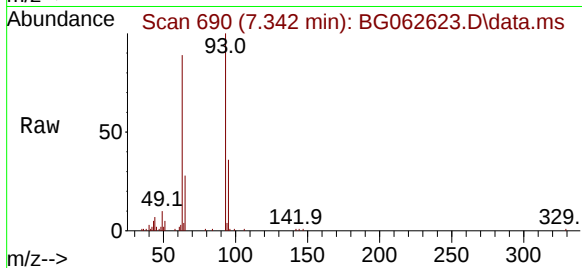
Tgt Ion: 93 Resp: 40479

Ion Ratio Lower Upper

93 100

63 89.0 61.9 101.9

95 36.0 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 9.915 ng

RT: 7.812 min Scan# 770

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

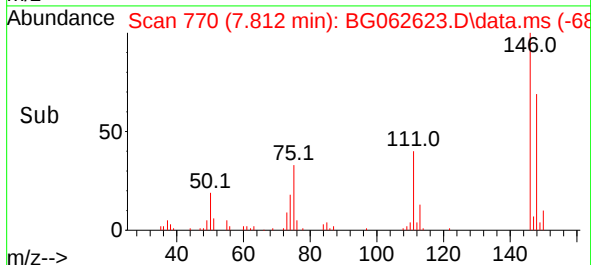
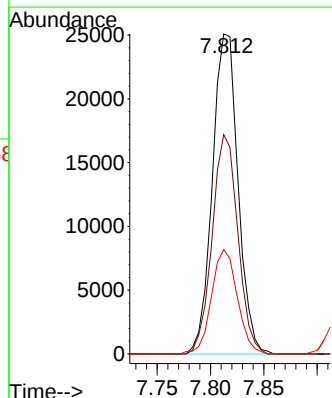
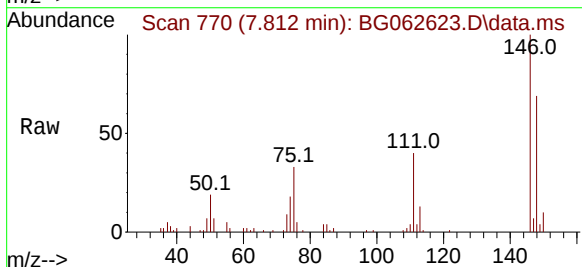
Tgt Ion:146 Resp: 41974

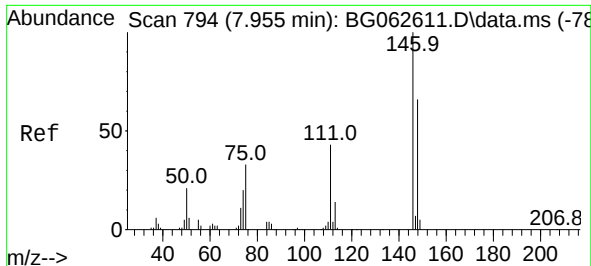
Ion Ratio Lower Upper

146 100

148 68.6 53.9 80.9

75 32.6 27.0 40.4





#13

1,4-Dichlorobenzene

Concen: 9.883 ng

RT: 7.959 min Scan# 794

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

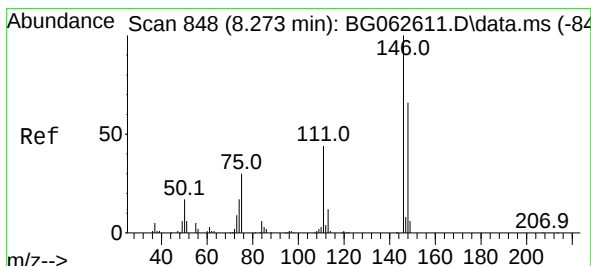
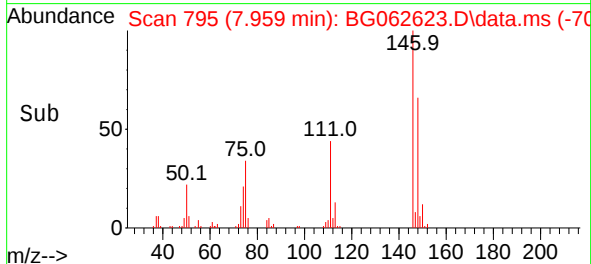
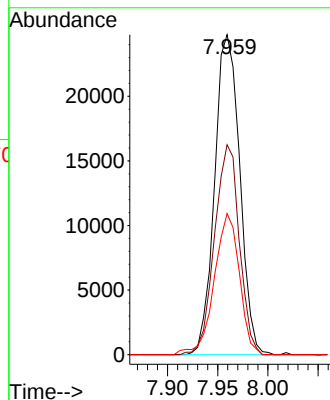
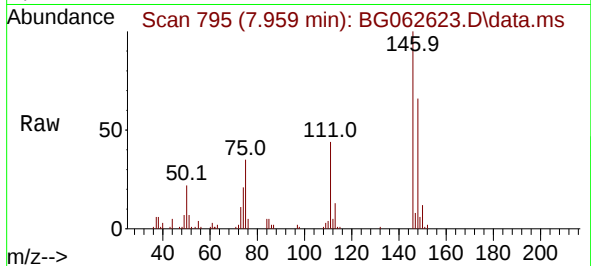
Tgt Ion:146 Resp: 43060

Ion Ratio Lower Upper

146 100

148 65.6 53.0 79.6

111 44.1 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 9.284 ng

RT: 8.277 min Scan# 849

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

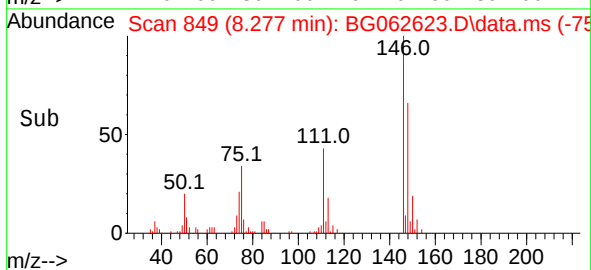
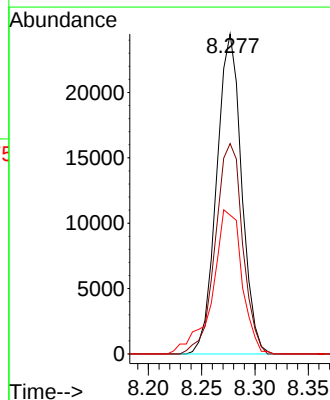
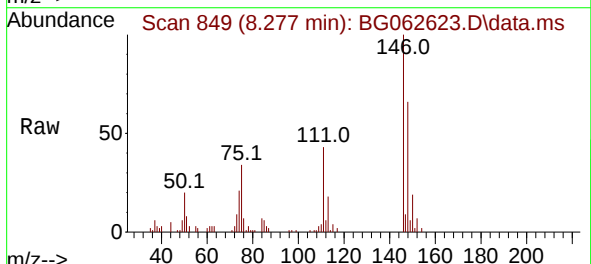
Tgt Ion:146 Resp: 39760

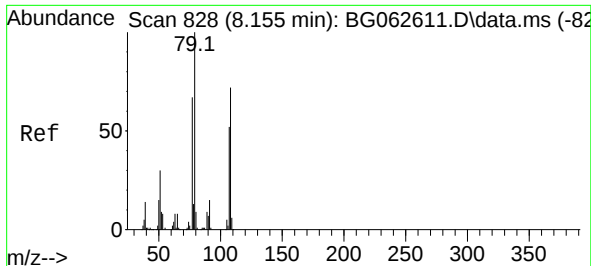
Ion Ratio Lower Upper

146 100

148 65.8 52.5 78.7

111 43.4 35.5 53.3

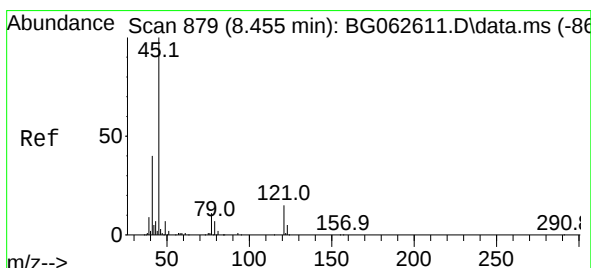
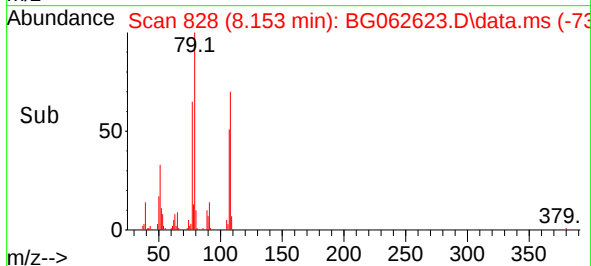
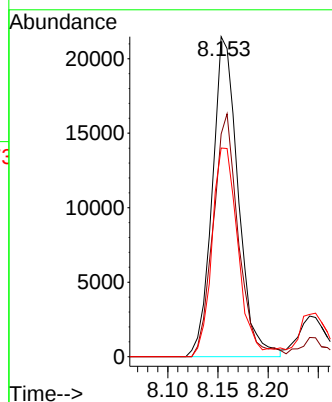
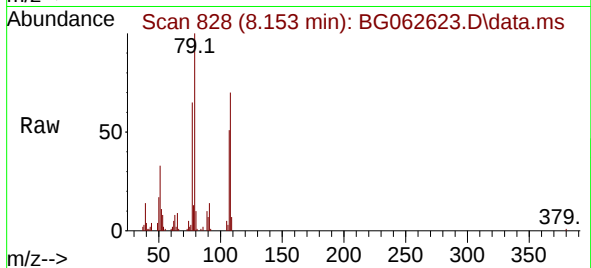




#15
Benzyl Alcohol
Concen: 9.992 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

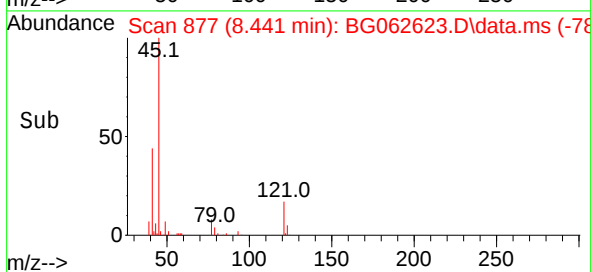
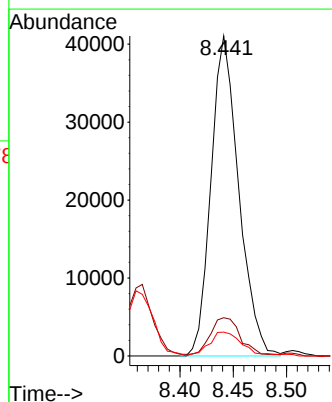
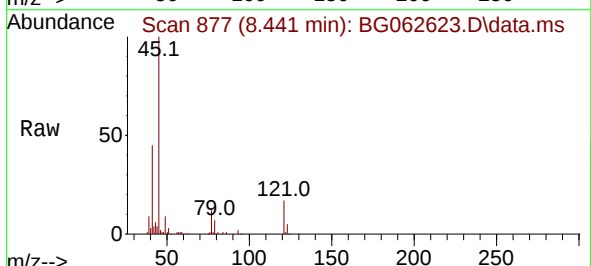
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

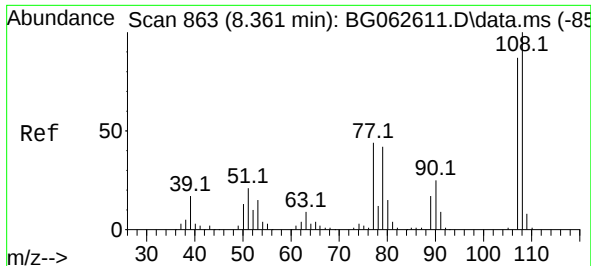
Tgt Ion: 79 Resp: 38377
Ion Ratio Lower Upper
79 100
108 69.6 57.9 86.9
77 65.2 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.676 ng
RT: 8.441 min Scan# 877
Delta R.T. -0.014 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion: 45 Resp: 74199
Ion Ratio Lower Upper
45 100
77 12.0 0.0 31.7
79 7.5 0.0 28.3

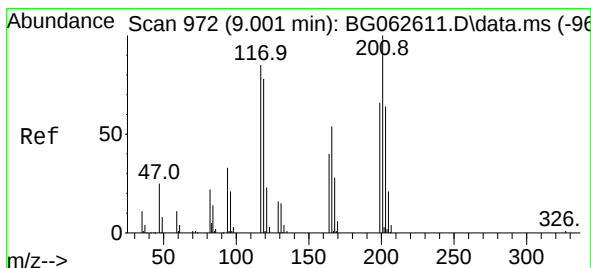
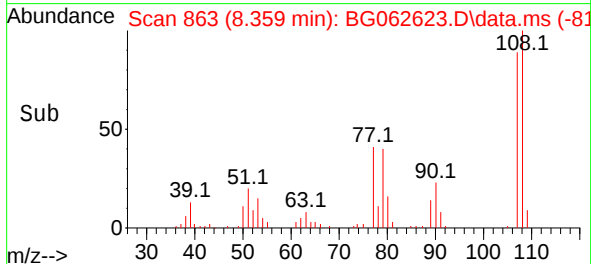
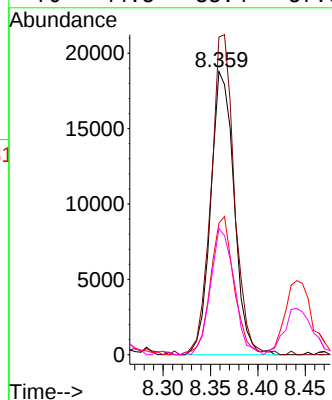
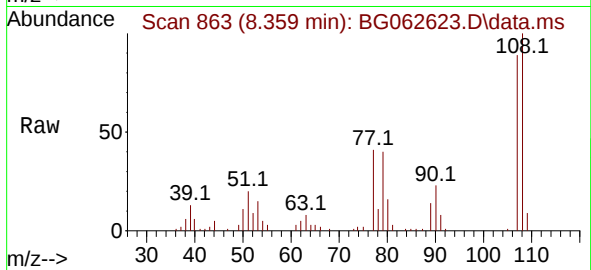




#17
2-Methylphenol
Concen: 8.785 ng
RT: 8.359 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

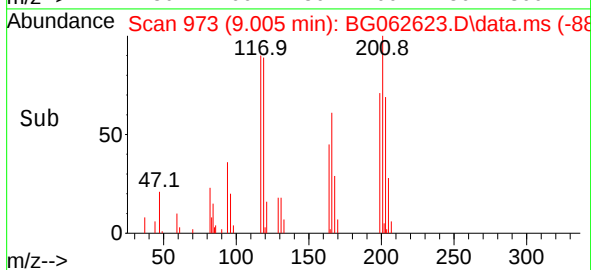
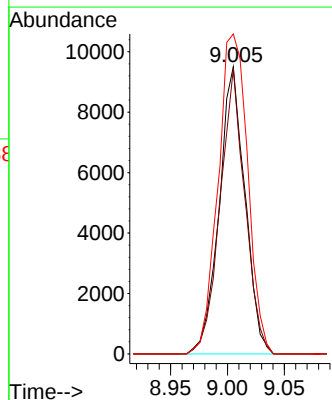
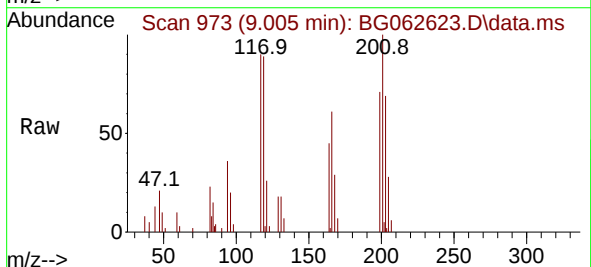
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

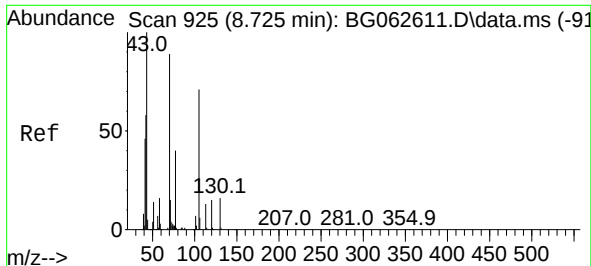
Tgt Ion:107 Resp: 32181
Ion Ratio Lower Upper
107 100
108 112.1 91.5 137.3
77 46.4 40.0 60.0
79 44.5 38.4 57.6



#18
Hexachloroethane
Concen: 9.192 ng
RT: 9.005 min Scan# 973
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:117 Resp: 15017
Ion Ratio Lower Upper
117 100
119 99.3 73.4 110.0
201 111.4 93.9 140.9

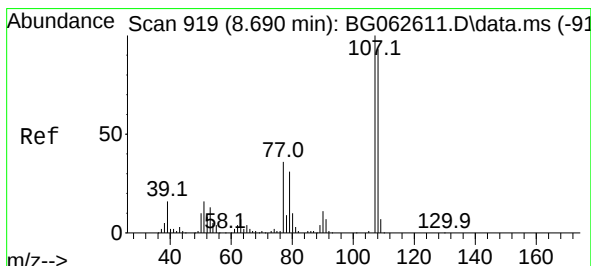
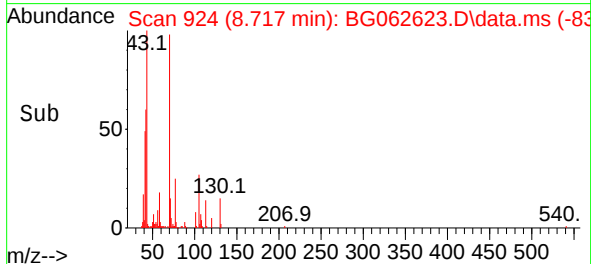
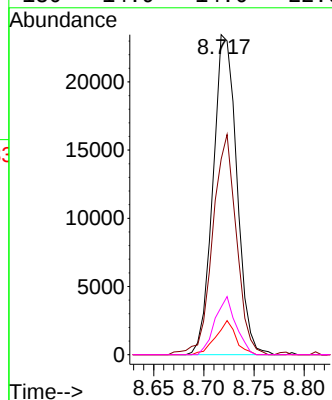
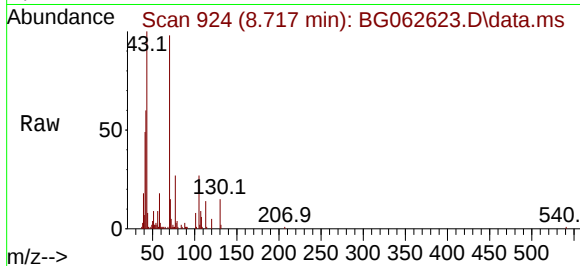




#19
n-Nitroso-di-n-propylamine
Concen: 9.470 ng
RT: 8.717 min Scan# 919
Delta R.T. -0.008 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

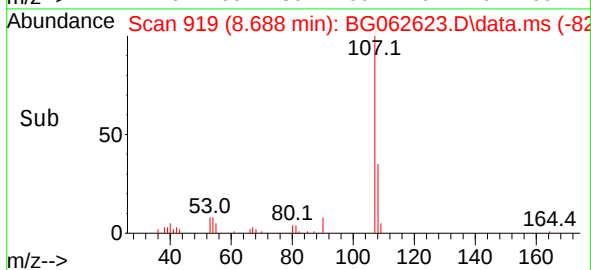
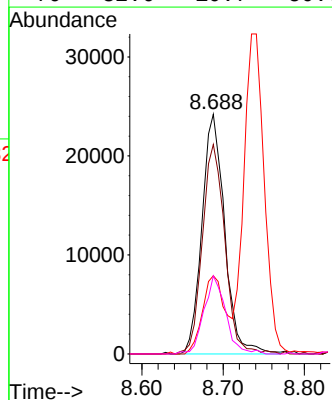
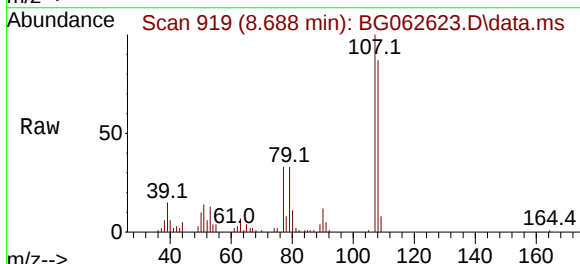
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

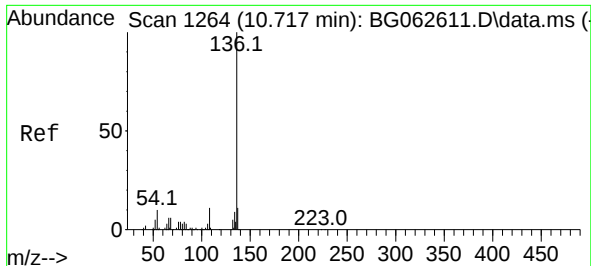
Tgt Ion:	70	Resp:	38735
Ion	Ratio	Lower	Upper
70	100		
42	61.1	52.3	78.5
101	7.7	6.6	9.8
130	14.9	14.6	22.0



#20
3+4-Methylphenols
Concen: 8.701 ng
RT: 8.688 min Scan# 919
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:	107	Resp:	47022
Ion	Ratio	Lower	Upper
107	100		
108	87.4	72.7	112.7
77	32.7	16.5	56.5
79	32.6	10.7	50.7

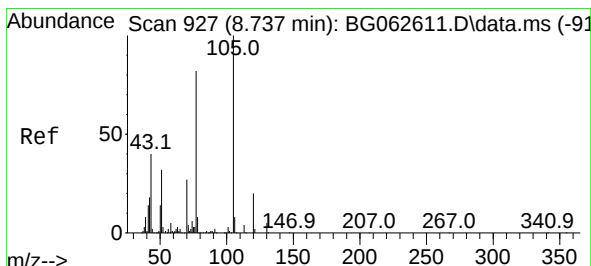
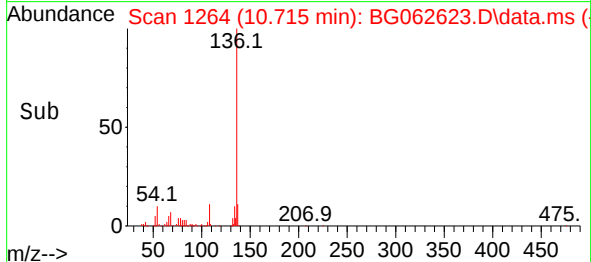
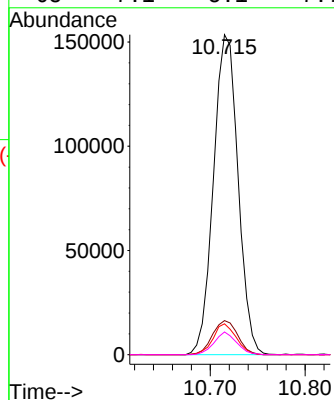
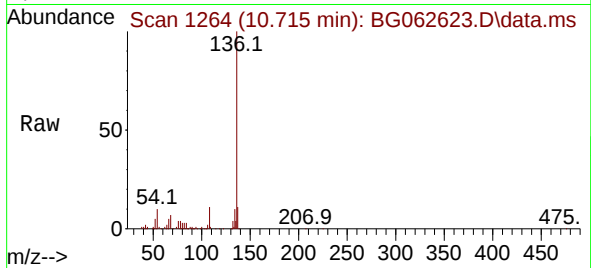




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.715 min Scan# 1264
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

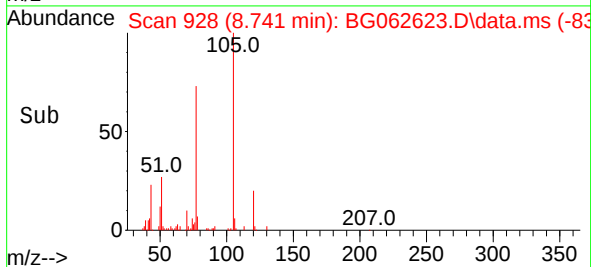
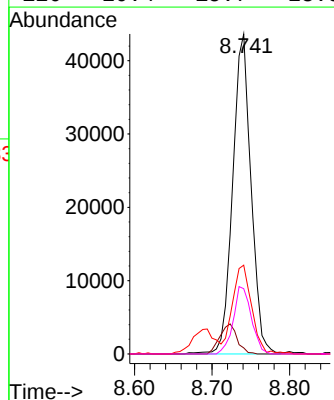
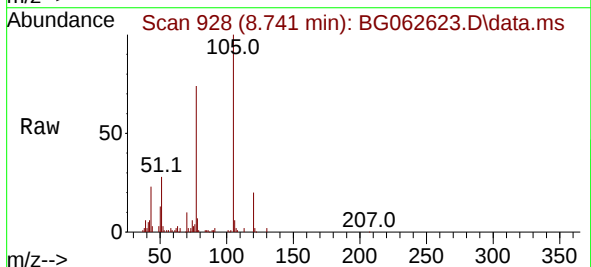
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2024

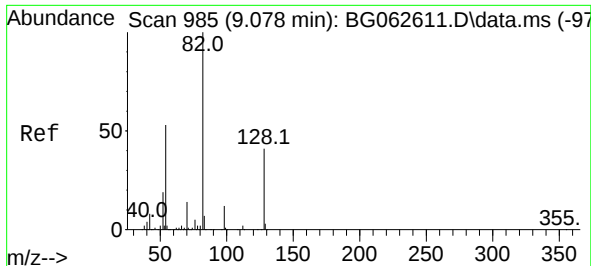
Tgt Ion:	136	Resp:	276546
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.4
54	9.7	7.8	11.6
68	7.1	5.1	7.7



#22
Acetophenone
Concen: 9.618 ng
RT: 8.741 min Scan# 928
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:	105	Resp:	71755
Ion Ratio	Lower	Upper	
105	100		
71	1.9	3.5	5.3
51	27.8	25.7	38.5
120	20.4	15.7	23.5





#23

Nitrobenzene-d5

Concen: 83.513 ng

RT: 9.076 min Scan# 91

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

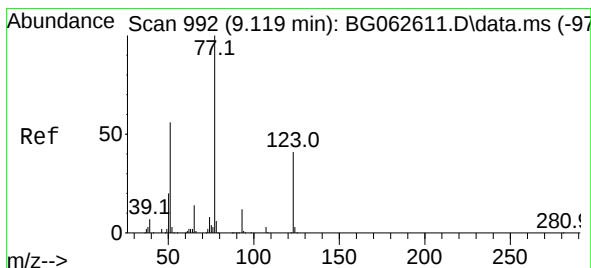
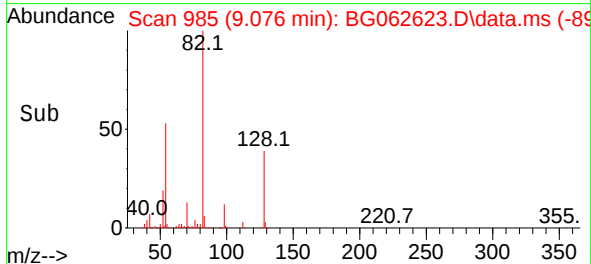
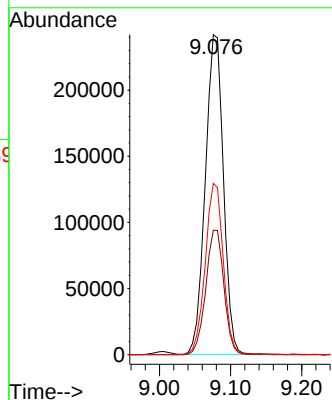
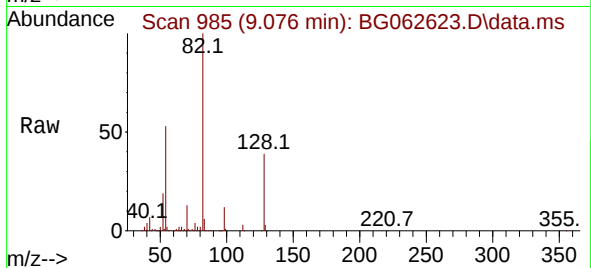
Tgt Ion: 82 Resp: 428829

Ion Ratio Lower Upper

82 100

128 38.9 32.5 48.7

54 53.5 42.5 63.7



#24

Nitrobenzene

Concen: 9.751 ng

RT: 9.117 min Scan# 992

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

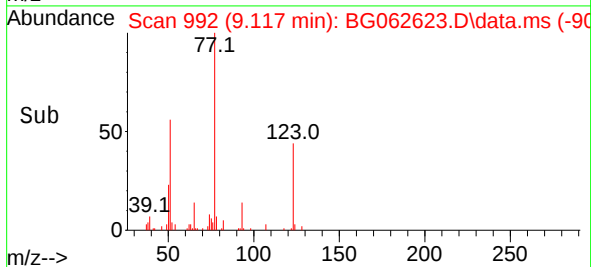
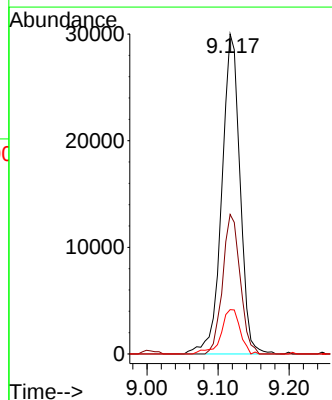
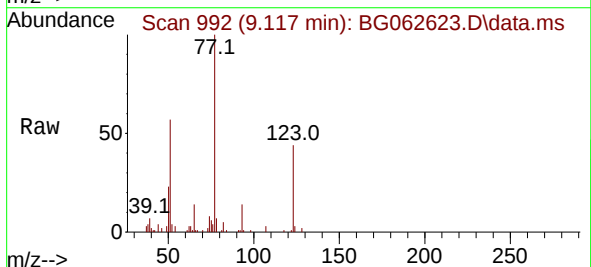
Tgt Ion: 77 Resp: 53237

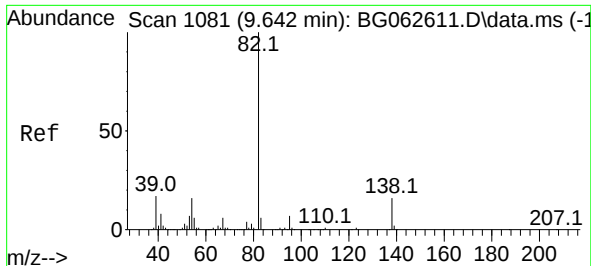
Ion Ratio Lower Upper

77 100

123 43.6 33.1 49.7

65 13.8 11.0 16.4

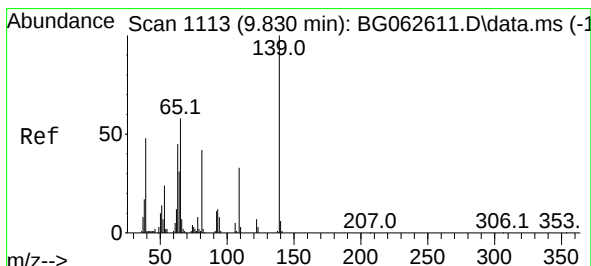
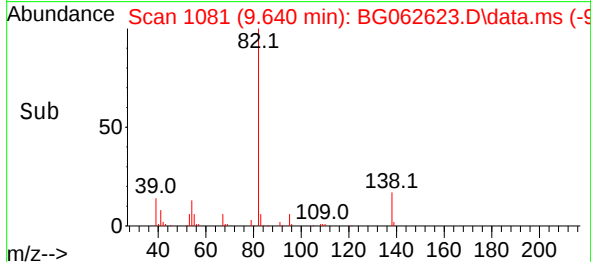
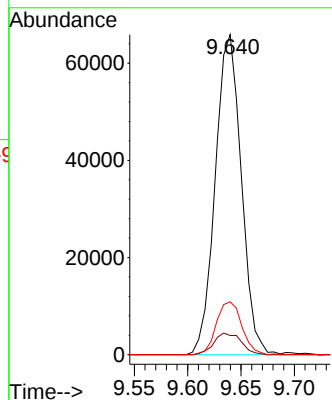
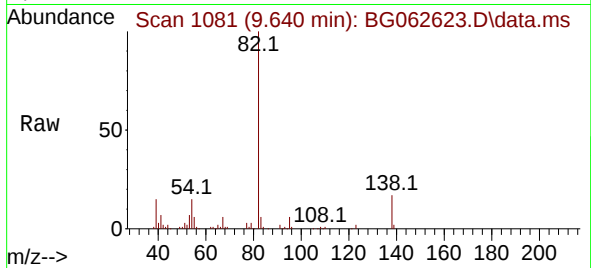




#25
Isophorone
Concen: 9.909 ng
RT: 9.640 min Scan# 11081
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

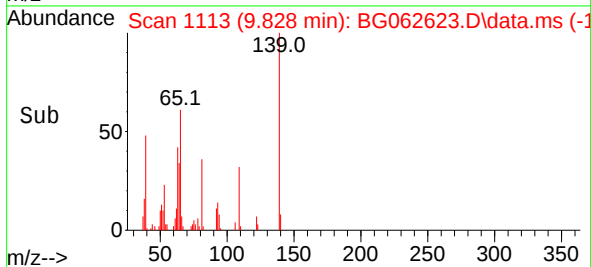
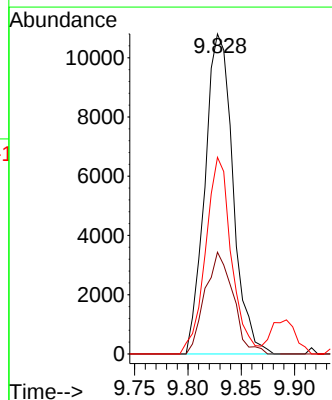
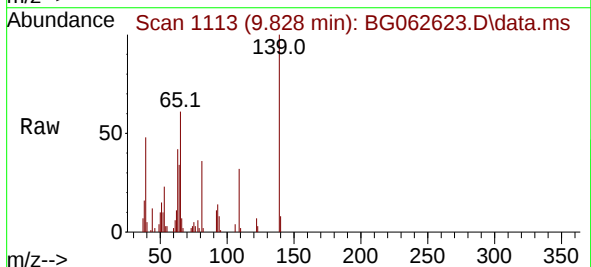
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

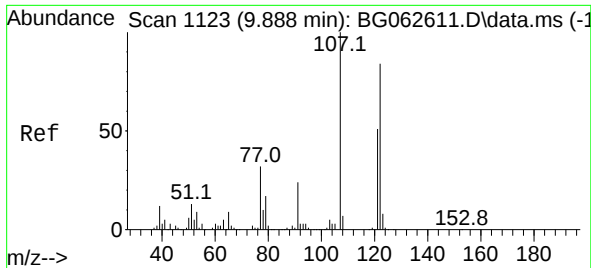
Tgt Ion: 82 Resp: 111690
Ion Ratio Lower Upper
82 100
95 6.0 5.4 8.0
138 16.6 12.6 18.8



#26
2-Nitrophenol
Concen: 9.578 ng
RT: 9.828 min Scan# 1113
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:139 Resp: 19758
Ion Ratio Lower Upper
139 100
109 31.8 26.6 39.8
65 61.5 46.5 69.7

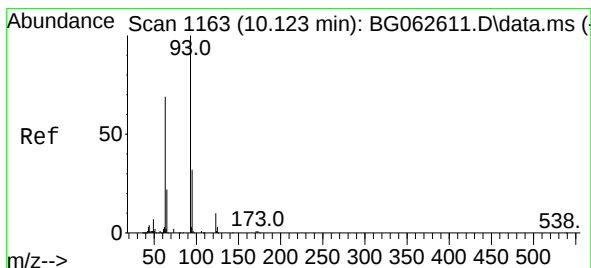
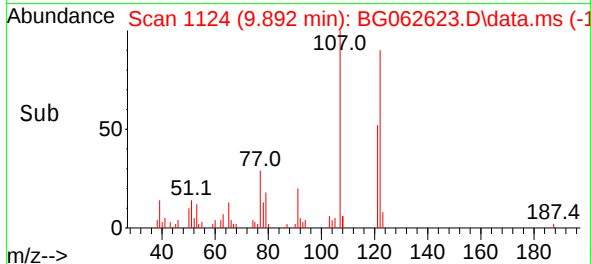
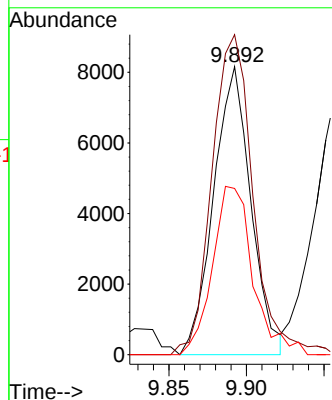
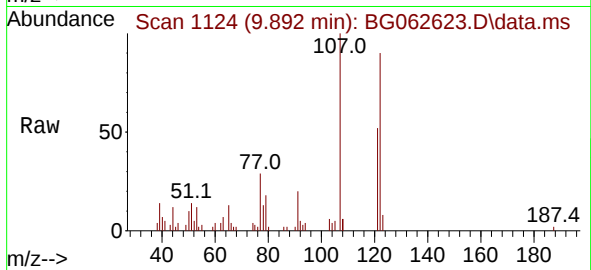




#27
2,4-Dimethylphenol
Concen: 4.508 ng
RT: 9.892 min Scan# 1123
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

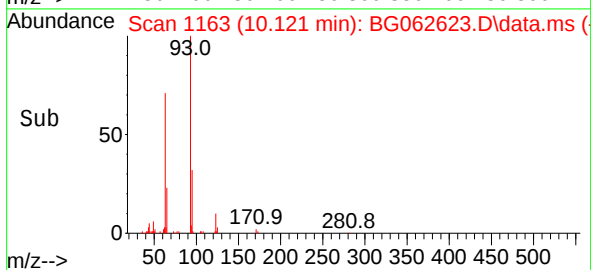
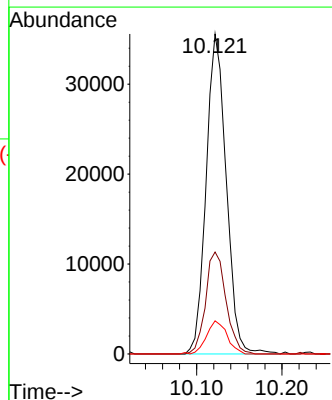
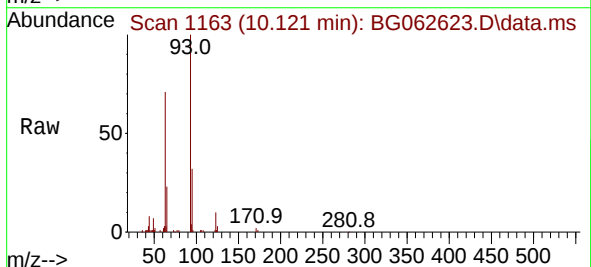
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:122 Resp: 13625
Ion Ratio Lower Upper
122 100
107 111.1 95.8 143.6
121 57.7 48.6 72.8



#28
bis(2-Chloroethoxy)methane
Concen: 9.648 ng
RT: 10.121 min Scan# 1163
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion: 93 Resp: 58214
Ion Ratio Lower Upper
93 100
95 31.8 25.4 38.0
123 10.3 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 9.758 ng

RT: 10.362 min Scan# 1204

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

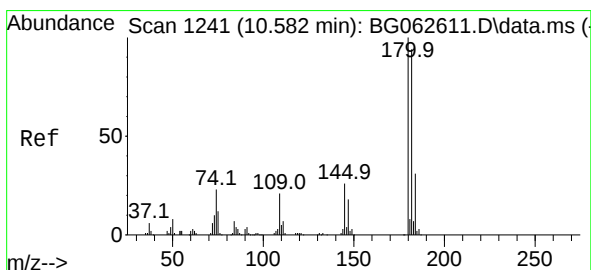
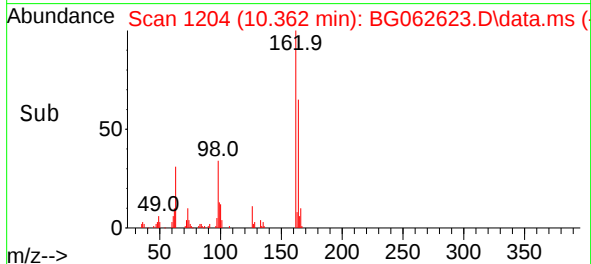
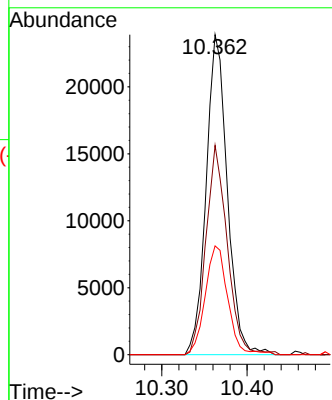
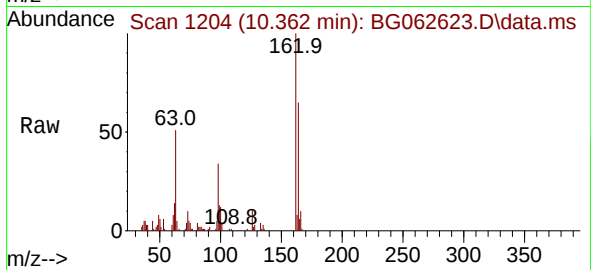
Tgt Ion:162 Resp: 41241

Ion Ratio Lower Upper

162 100

164 65.4 46.8 86.8

98 34.0 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 9.743 ng

RT: 10.580 min Scan# 1241

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

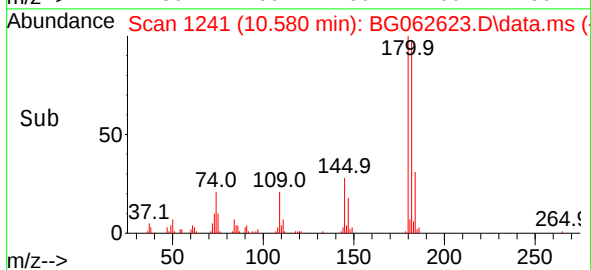
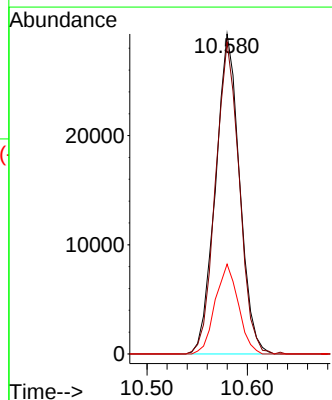
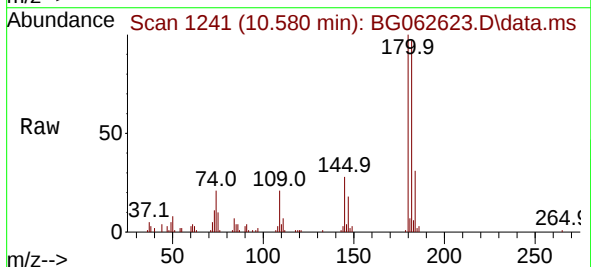
Tgt Ion:180 Resp: 48815

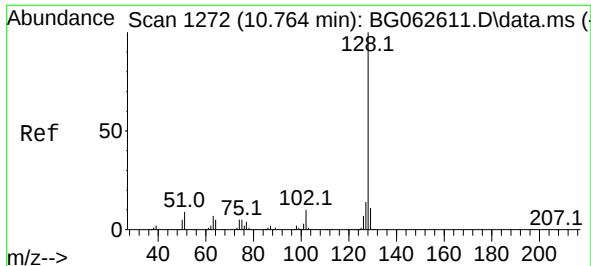
Ion Ratio Lower Upper

180 100

182 97.4 75.1 112.7

145 28.0 20.8 31.2

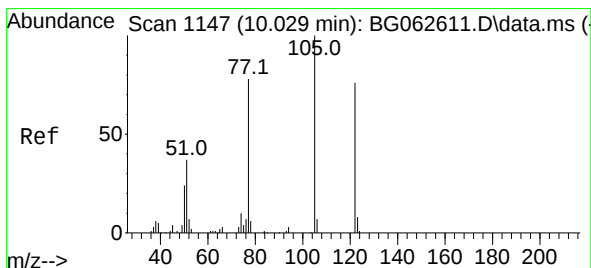
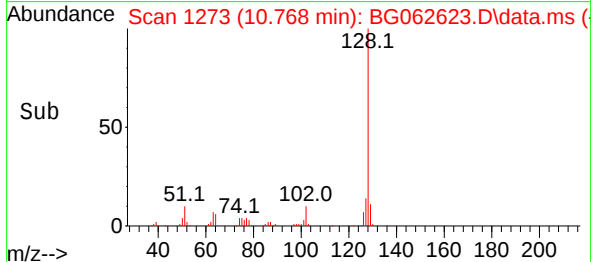
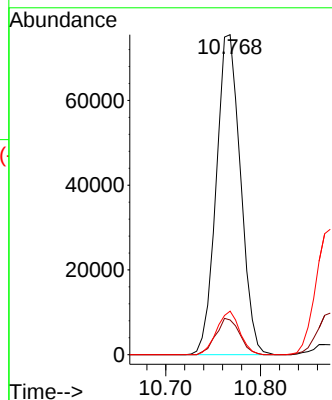
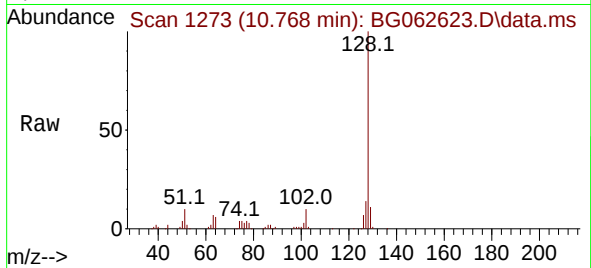




#31
Naphthalene
Concen: 9.797 ng
RT: 10.768 min Scan# 1154
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

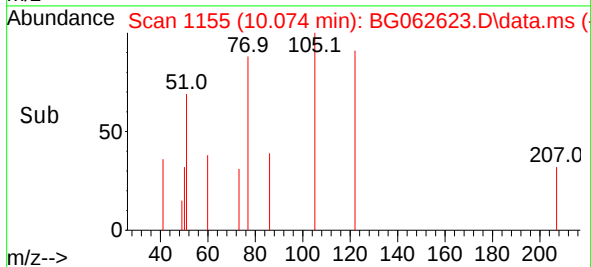
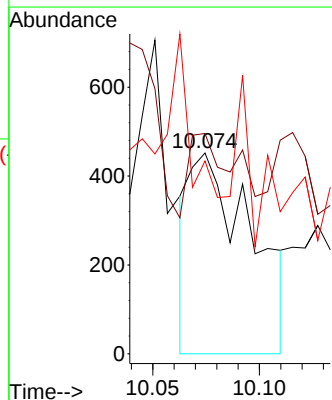
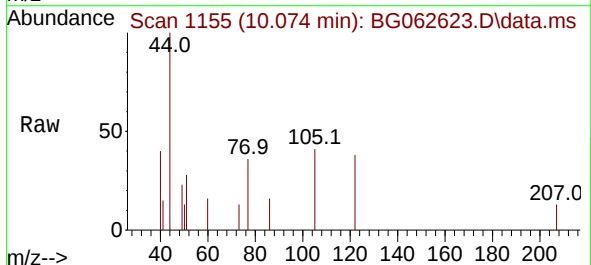
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

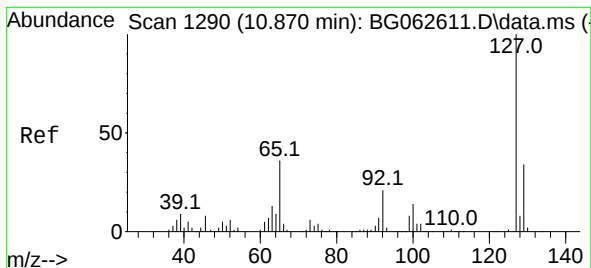
Tgt Ion:128 Resp: 134292
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.6 11.3 16.9



#32
Benzoic acid
Concen: 0.280 ng
RT: 10.074 min Scan# 1155
Delta R.T. 0.045 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:122 Resp: 909
Ion Ratio Lower Upper
122 100
105 109.7 105.7 145.7
77 96.0 79.9 119.9

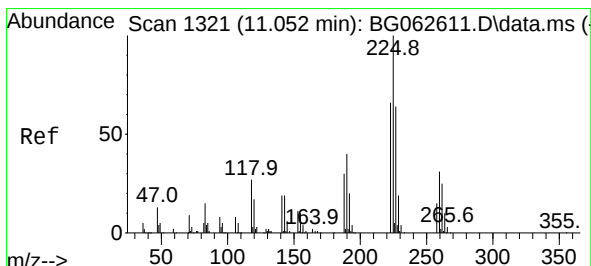
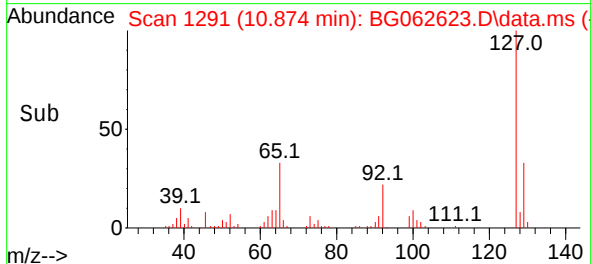
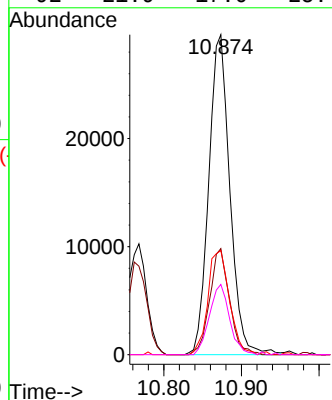
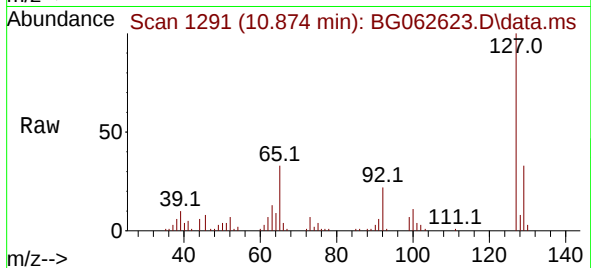




#33
4-Chloroaniline
Concen: 10.405 ng
RT: 10.874 min Scan# 1291
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

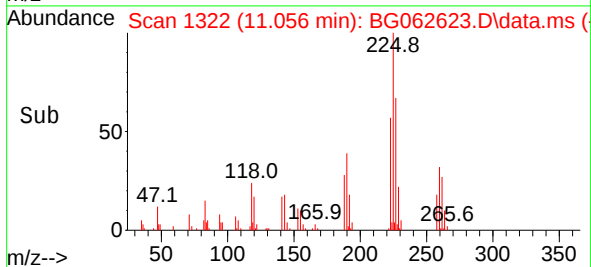
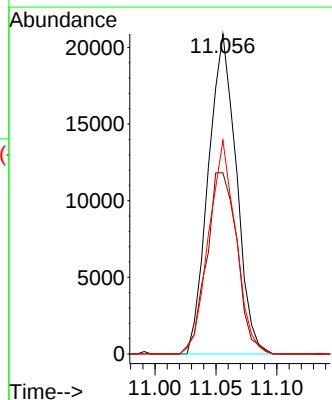
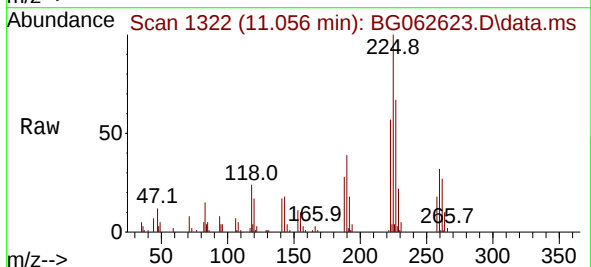
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

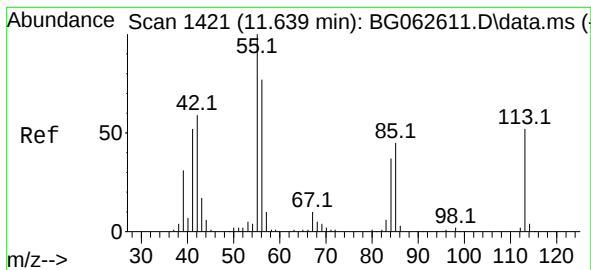
Tgt Ion:	127	Resp:	56126
Ion Ratio	Lower	Upper	
127	100		
129	33.2	27.3	40.9
65	32.5	29.0	43.4
92	21.9	17.0	25.4



#34
Hexachlorobutadiene
Concen: 9.519 ng
RT: 11.056 min Scan# 1322
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:	225	Resp:	33310
Ion Ratio	Lower	Upper	
225	100		
223	56.6	50.1	75.1
227	66.8	48.9	73.3





#35

Caprolactam

Concen: 9.744 ng

RT: 11.620 min Scan# 1418

Delta R.T. -0.020 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

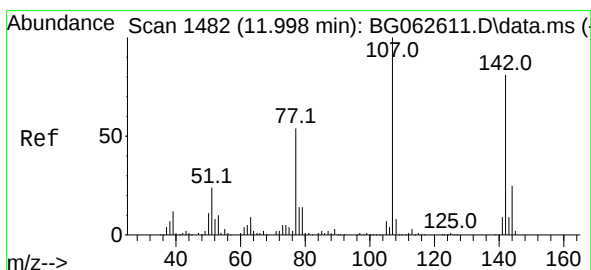
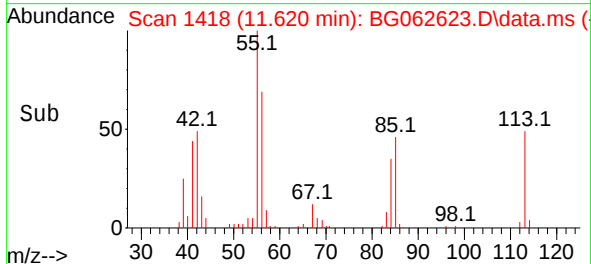
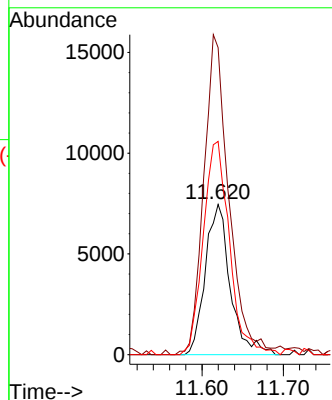
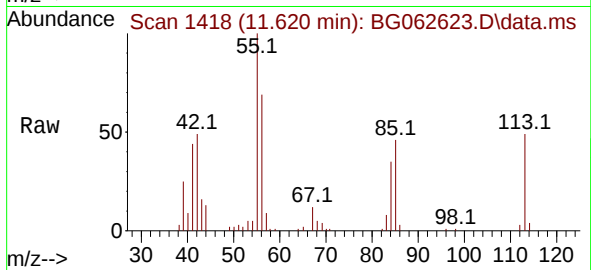
Tgt Ion:113 Resp: 15875

Ion Ratio Lower Upper

113 100

55 204.3 174.1 214.1

56 142.0 129.8 169.8



#36

4-Chloro-3-methylphenol

Concen: 9.439 ng

RT: 11.996 min Scan# 1482

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

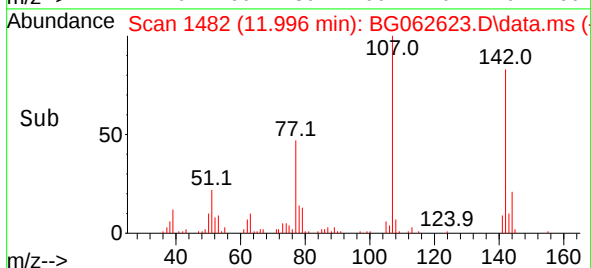
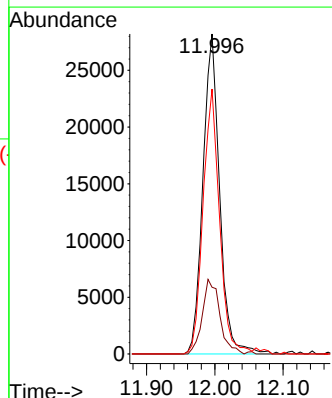
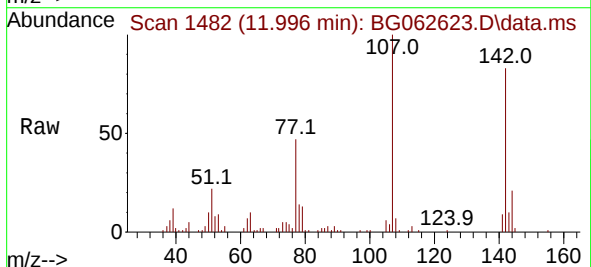
Tgt Ion:107 Resp: 48116

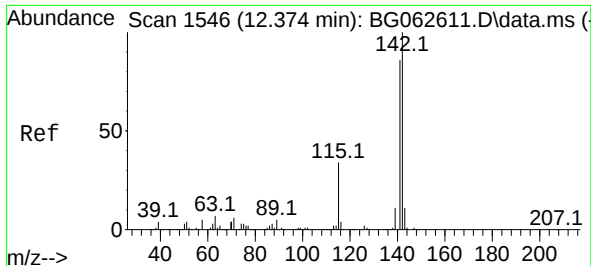
Ion Ratio Lower Upper

107 100

144 20.9 19.8 29.8

142 82.8 64.7 97.1





#37

2-Methylnaphthalene

Concen: 9.697 ng

RT: 12.372 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

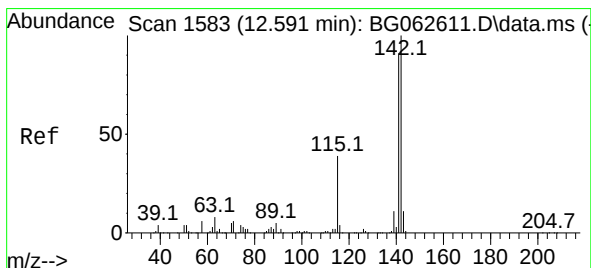
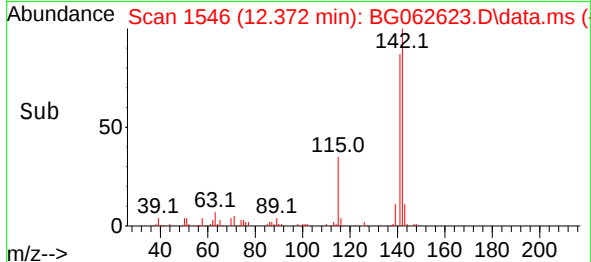
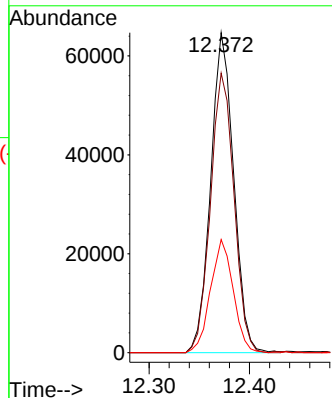
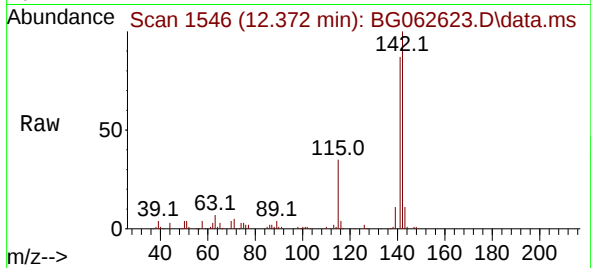
Tgt Ion:142 Resp: 103094

Ion Ratio Lower Upper

142 100

141 87.3 68.9 103.3

115 35.4 27.5 41.3



#38

1-Methylnaphthalene

Concen: 9.459 ng

RT: 12.595 min Scan# 1584

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

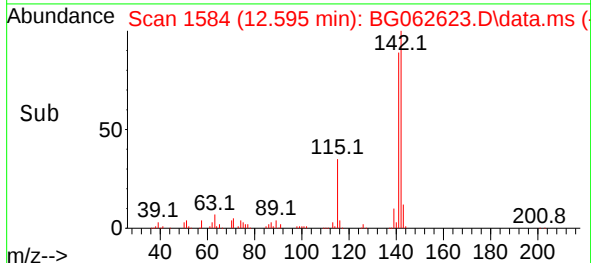
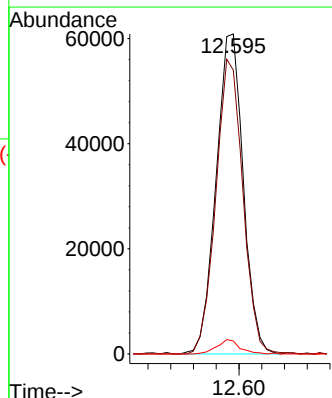
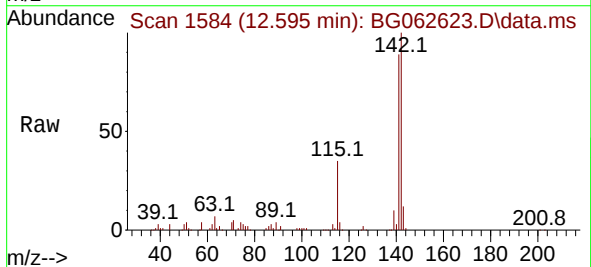
Tgt Ion:142 Resp: 100980

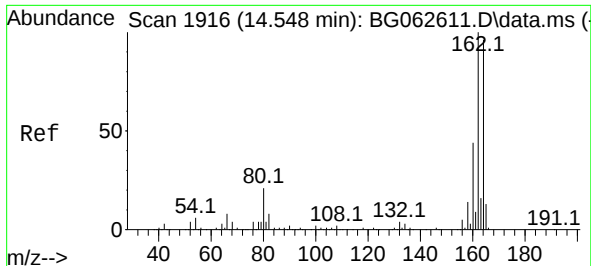
Ion Ratio Lower Upper

142 100

141 88.7 73.0 109.4

116 4.1 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: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

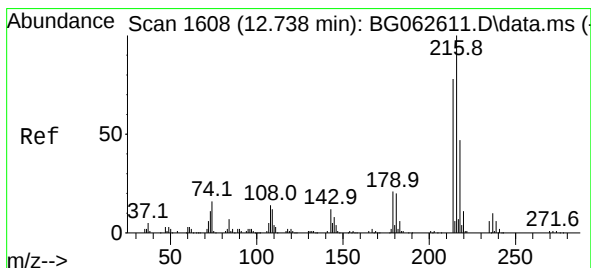
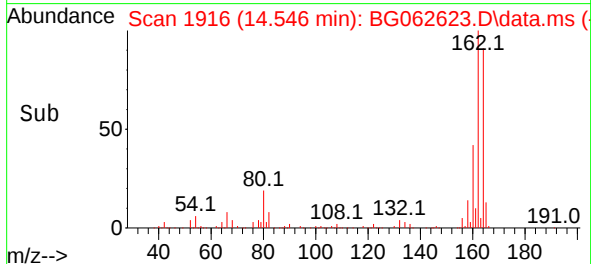
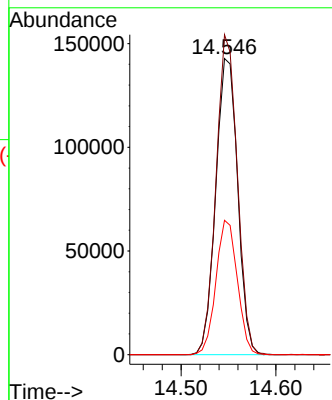
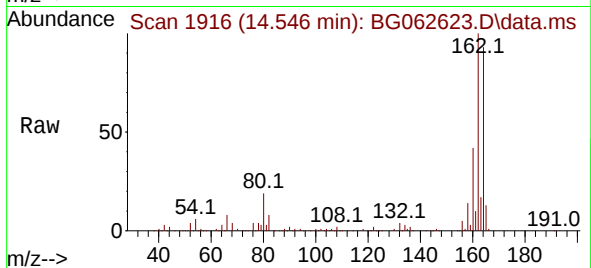
Tgt Ion:164 Resp: 229026

Ion Ratio Lower Upper

164 100

162 108.1 83.1 124.7

160 45.4 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.338 ng

RT: 12.742 min Scan# 1609

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Tgt Ion:216 Resp: 71202

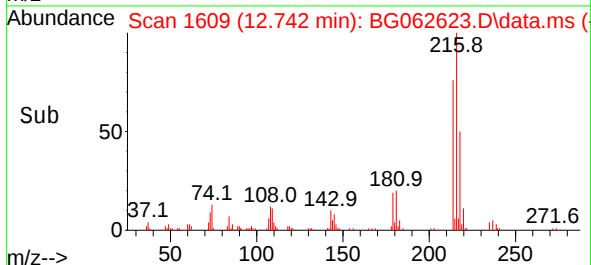
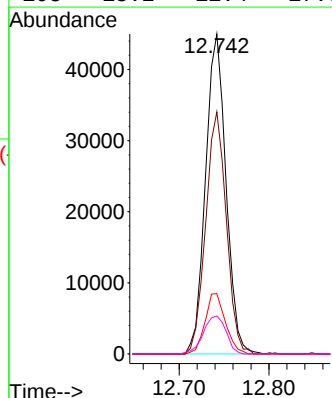
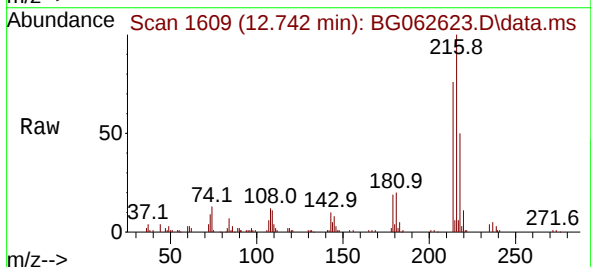
Ion Ratio Lower Upper

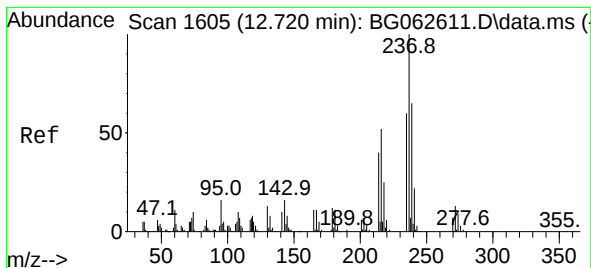
216 100

214 76.0 61.6 92.4

179 18.7 15.9 23.9

108 13.2 11.4 17.0

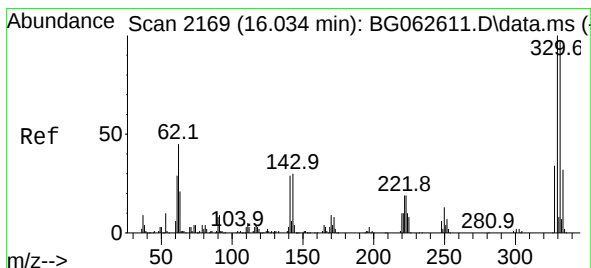
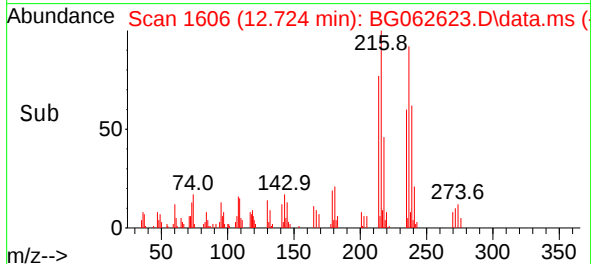
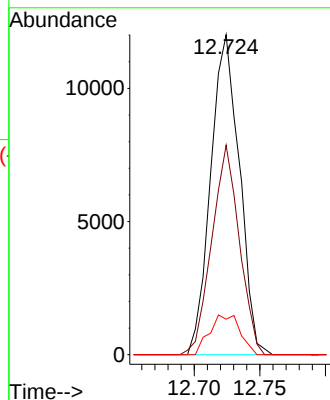
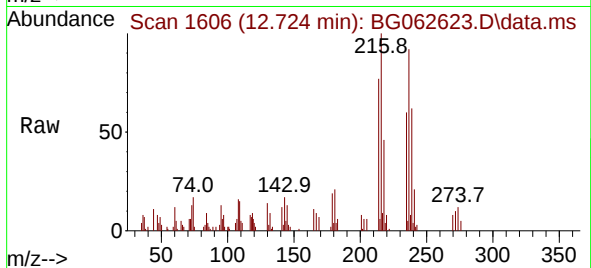




#41
Hexachlorocyclopentadiene
Concen: 9.294 ng
RT: 12.724 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

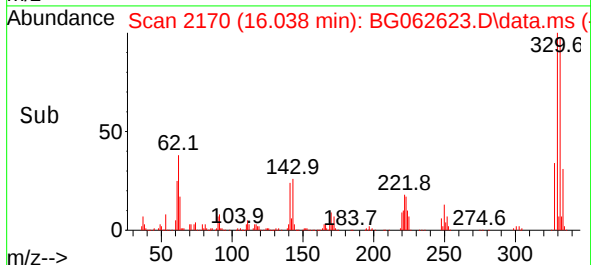
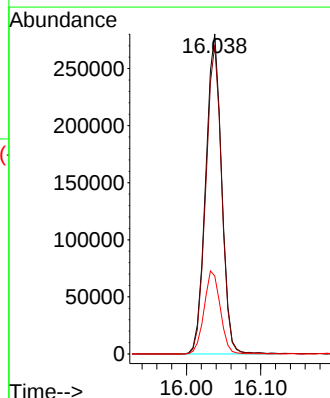
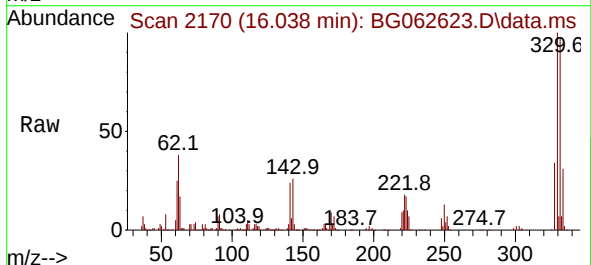
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

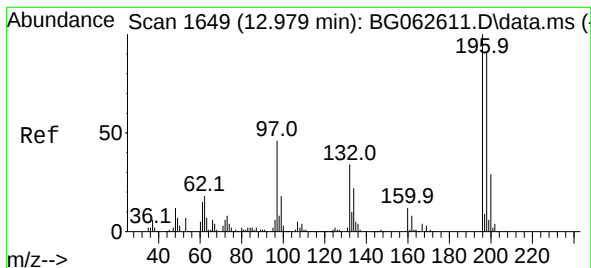
Tgt Ion:237 Resp: 18264
Ion Ratio Lower Upper
237 100
235 65.5 40.4 80.4
272 11.1 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 130.135 ng
RT: 16.038 min Scan# 2170
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:330 Resp: 419439
Ion Ratio Lower Upper
330 100
332 95.8 77.2 115.8
141 26.3 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 9.930 ng

RT: 12.983 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

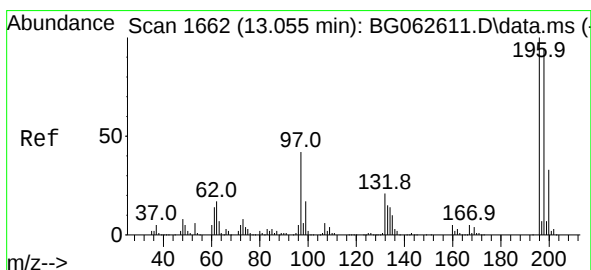
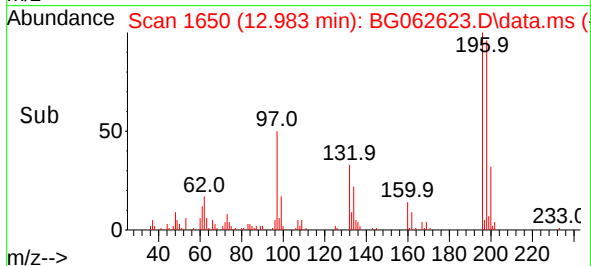
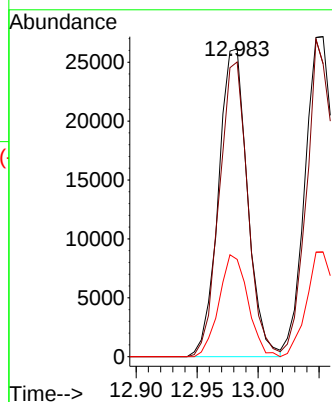
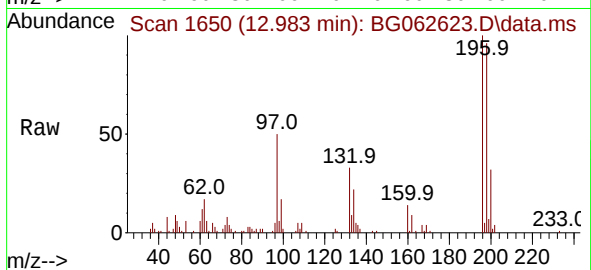
Tgt Ion:196 Resp: 43358

Ion Ratio Lower Upper

196 100

198 95.7 72.8 109.2

200 31.6 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 9.417 ng

RT: 13.053 min Scan# 1662

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Tgt Ion:196 Resp: 46562

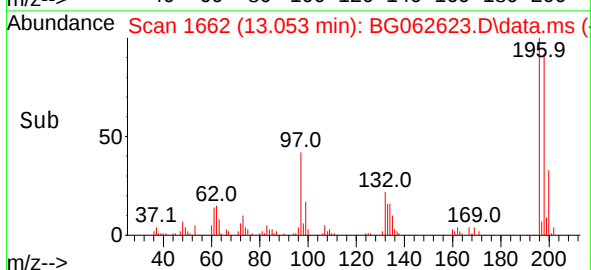
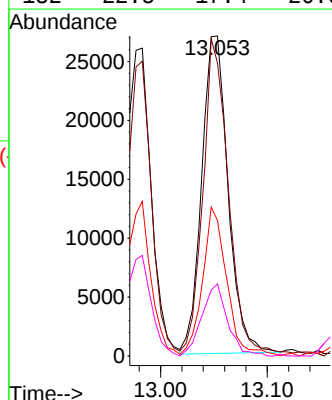
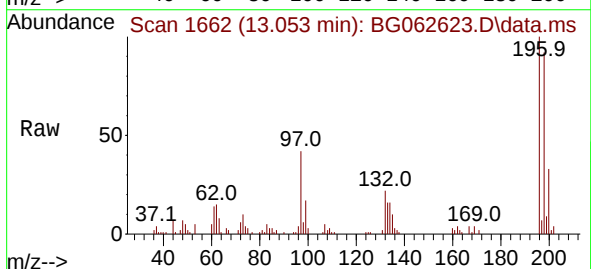
Ion Ratio Lower Upper

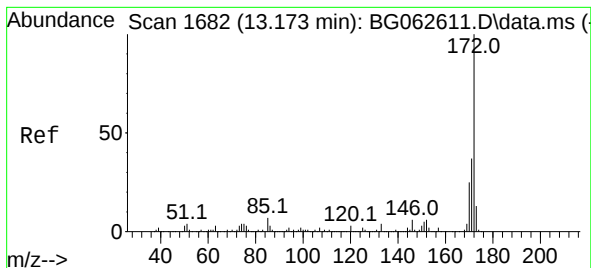
196 100

198 91.5 75.5 113.3

97 42.3 34.1 51.1

132 22.5 17.4 26.0





#45

2-Fluorobiphenyl

Concen: 81.199 ng

RT: 13.171 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

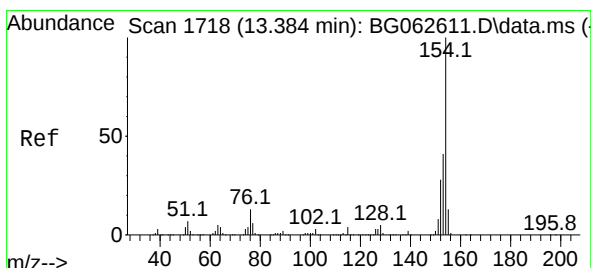
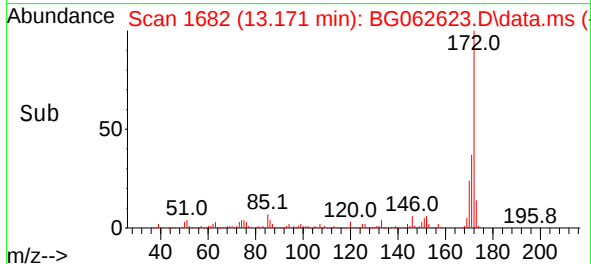
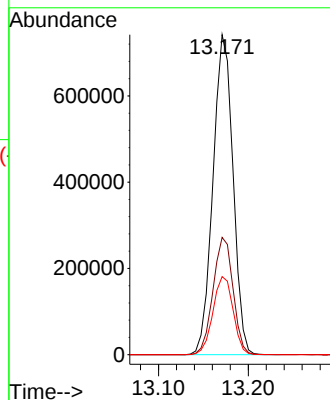
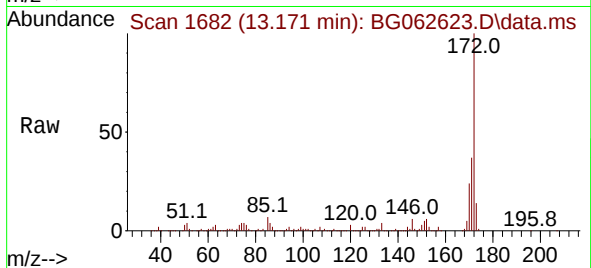
Tgt Ion:172 Resp: 1148090

Ion Ratio Lower Upper

172 100

171 36.7 29.7 44.5

170 24.4 20.0 30.0



#46

1,1'-Biphenyl

Concen: 10.244 ng

RT: 13.382 min Scan# 1718

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

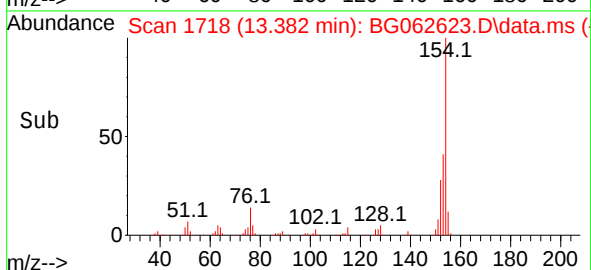
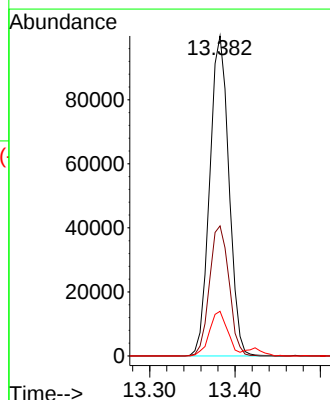
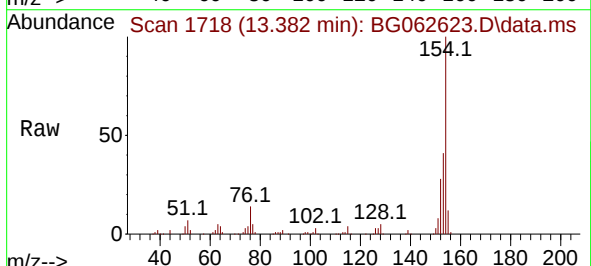
Tgt Ion:154 Resp: 156519

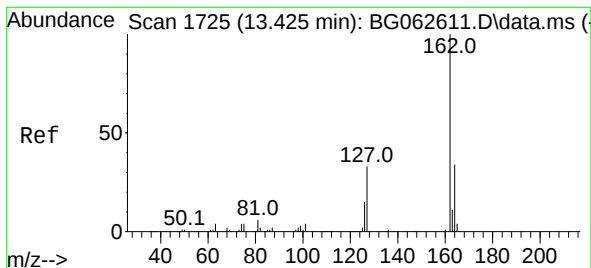
Ion Ratio Lower Upper

154 100

153 40.6 20.8 60.8

76 14.0 0.0 33.4





#47

2-Chloronaphthalene

Concen: 10.037 ng

RT: 13.423 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

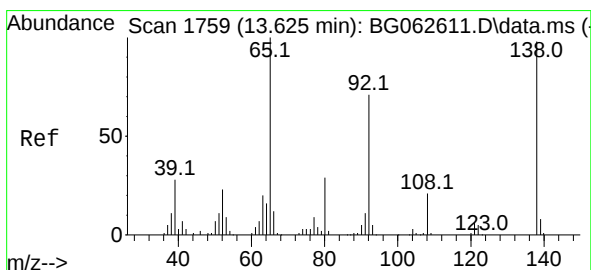
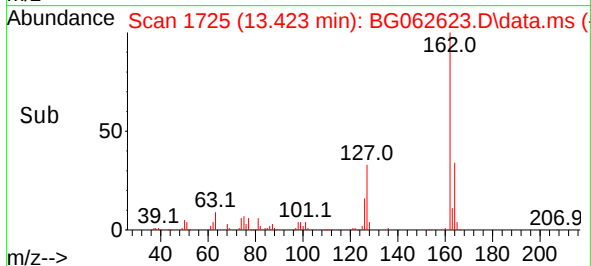
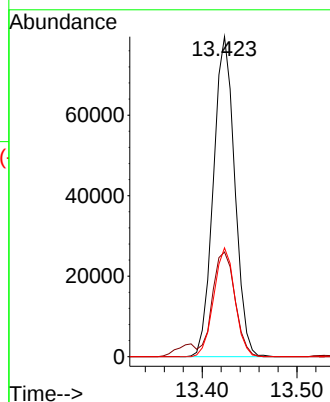
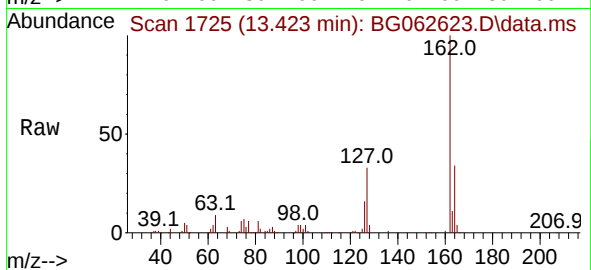
Tgt Ion:162 Resp: 124294

Ion Ratio Lower Upper

162 100

127 32.7 28.7 43.1

164 34.0 26.9 40.3



#48

2-Nitroaniline

Concen: 9.558 ng

RT: 13.623 min Scan# 1759

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

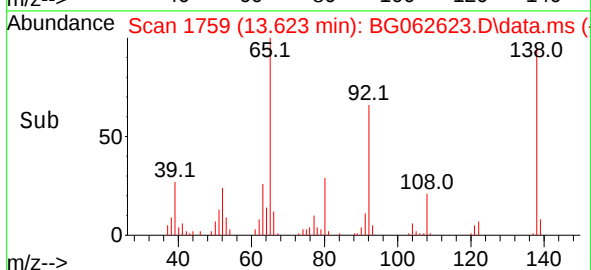
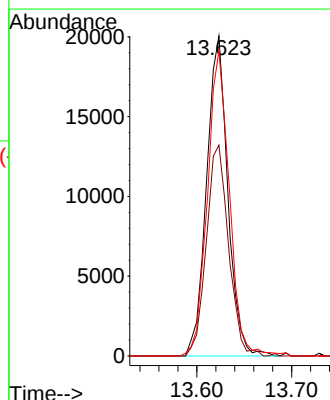
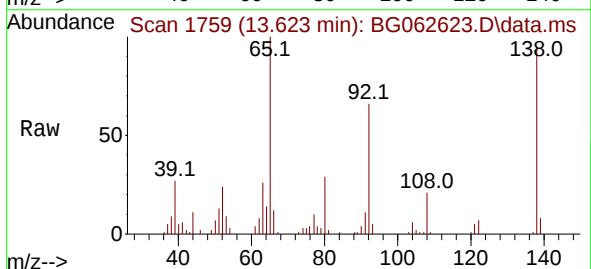
Tgt Ion: 65 Resp: 31129

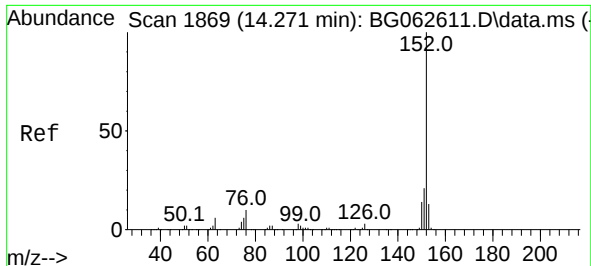
Ion Ratio Lower Upper

65 100

92 65.9 56.6 84.8

138 95.4 78.7 118.1





#49

Acenaphthylene

Concen: 10.912 ng

RT: 14.270 min Scan# 1869

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

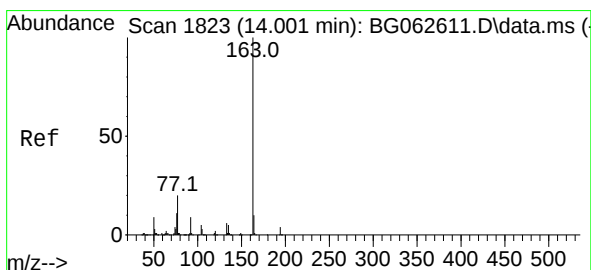
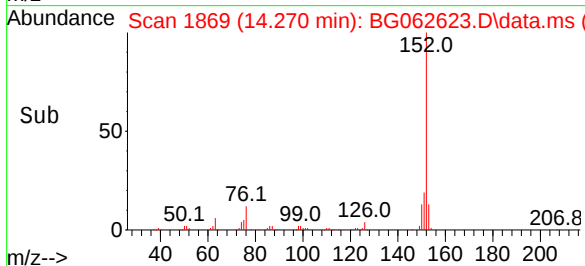
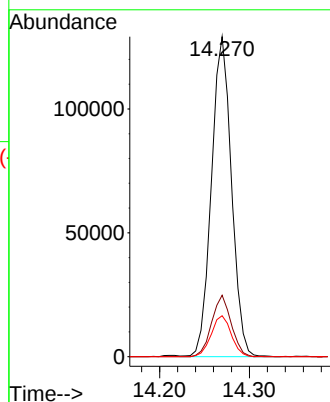
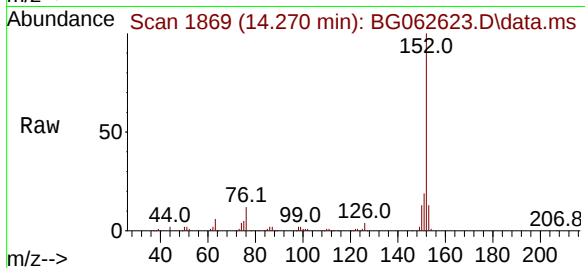
Tgt Ion:152 Resp: 200100

Ion Ratio Lower Upper

152 100

151 19.2 16.6 24.8

153 12.8 10.2 15.4



#50

Dimethylphthalate

Concen: 10.117 ng

RT: 13.999 min Scan# 1823

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

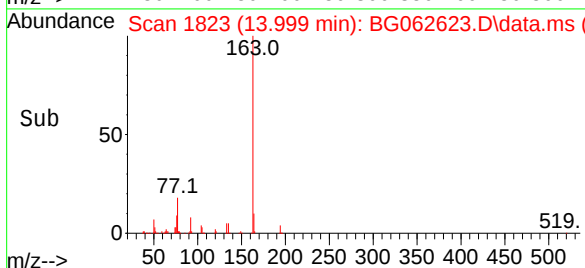
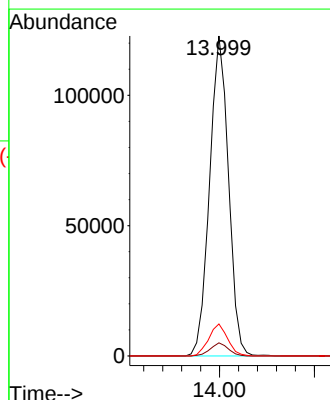
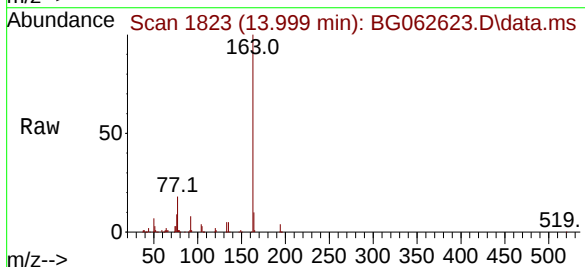
Tgt Ion:163 Resp: 169426

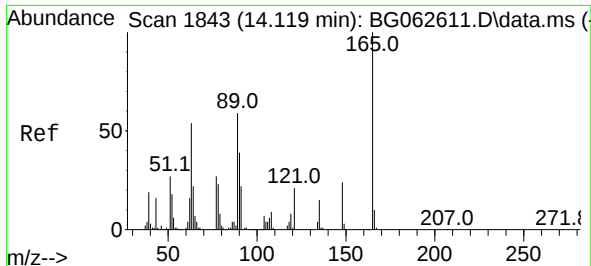
Ion Ratio Lower Upper

163 100

194 4.1 2.9 4.3

164 10.0 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 9.024 ng

RT: 14.117 min Scan# 1843

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

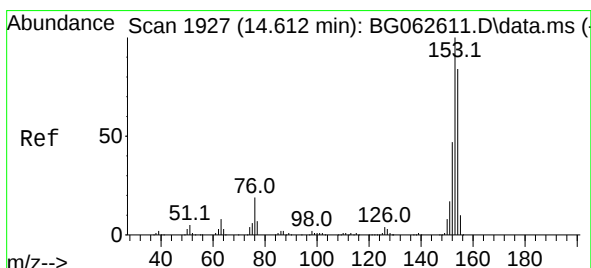
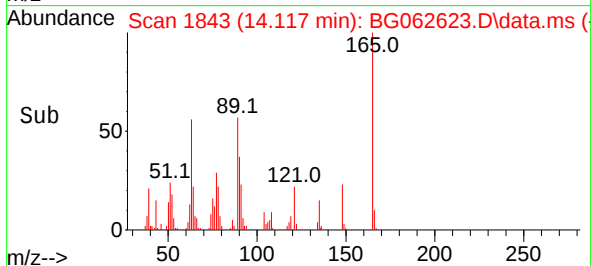
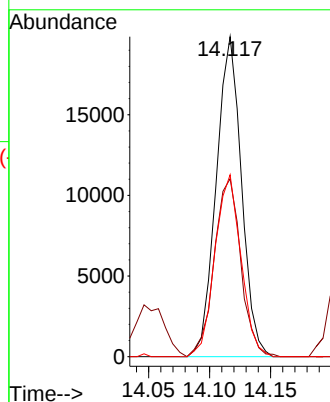
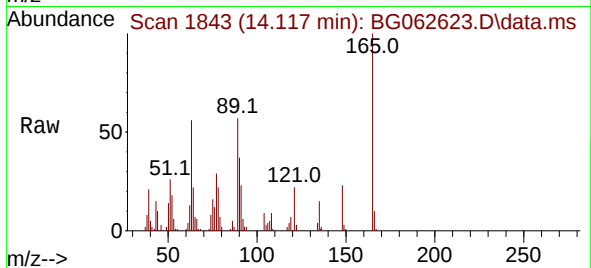
Tgt Ion:165 Resp: 28585

Ion Ratio Lower Upper

165 100

63 55.6 46.6 69.8

89 56.8 47.2 70.8



#52

Acenaphthene

Concen: 9.895 ng

RT: 14.610 min Scan# 1927

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

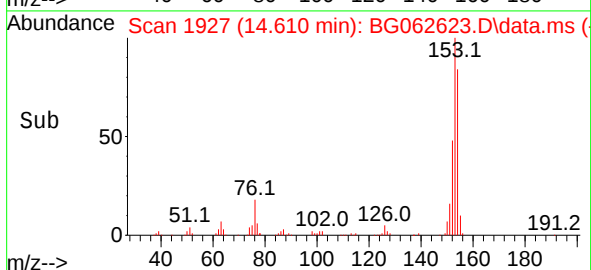
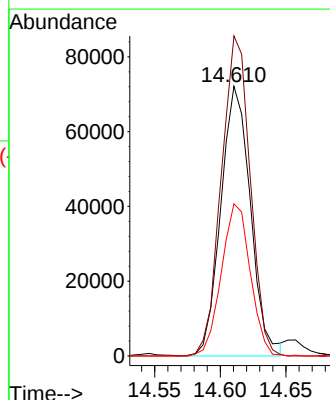
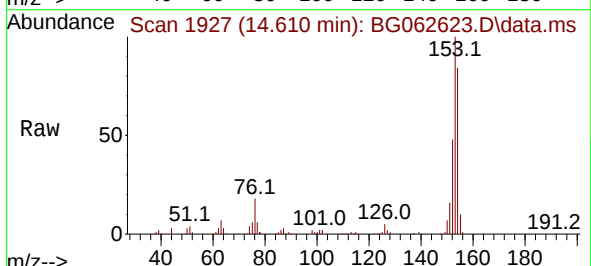
Tgt Ion:154 Resp: 113436

Ion Ratio Lower Upper

154 100

153 118.7 95.0 142.4

152 56.5 45.0 67.6

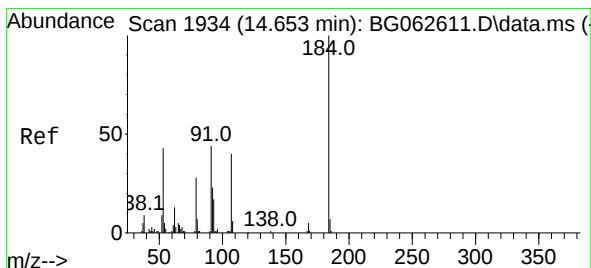
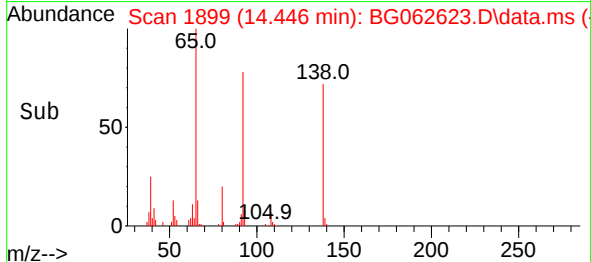
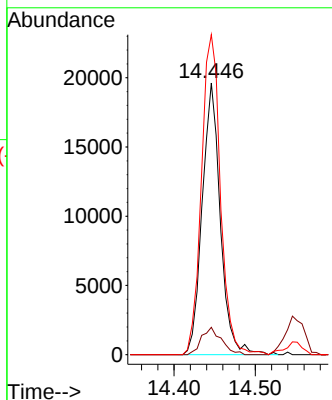
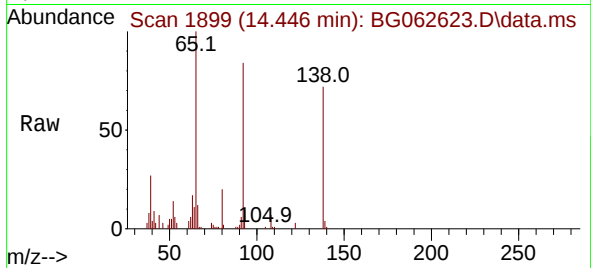




#53
3-Nitroaniline
Concen: 9.914 ng
RT: 14.446 min Scan# 1899
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

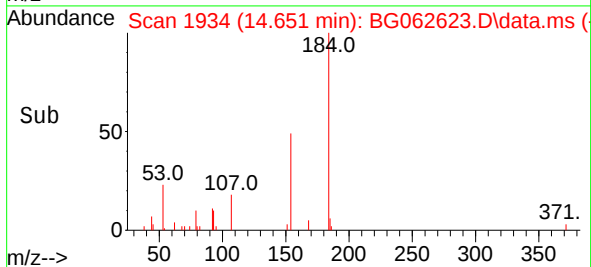
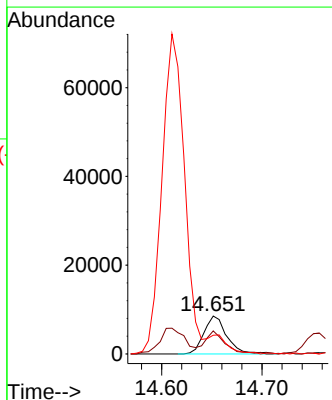
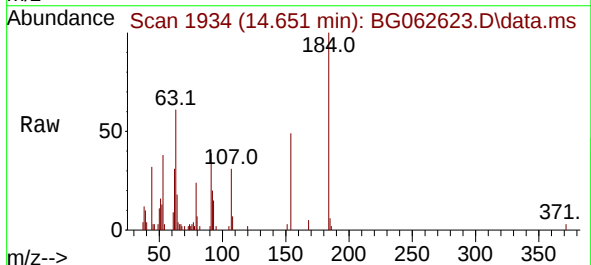
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

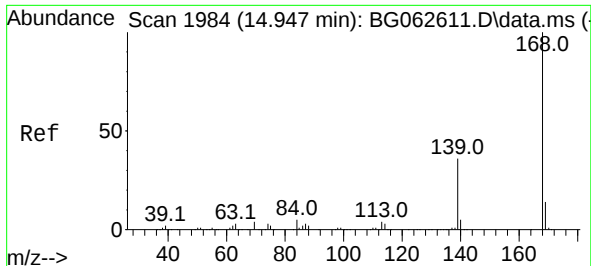
Tgt Ion:138 Resp: 30388
Ion Ratio Lower Upper
138 100
108 10.1 8.6 13.0
92 117.8 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 7.638 ng
RT: 14.651 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:184 Resp: 13577
Ion Ratio Lower Upper
184 100
63 60.6 49.0 73.4
154 49.3 50.5 75.7#

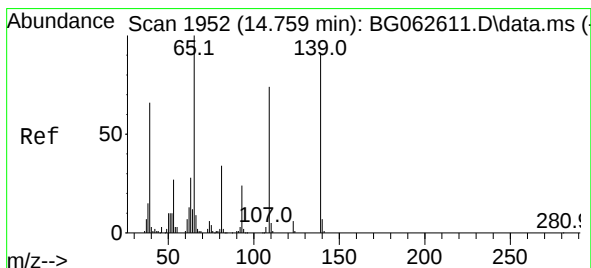
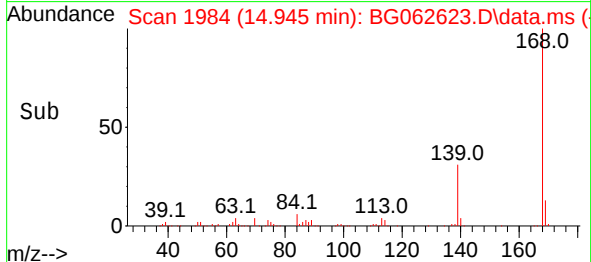
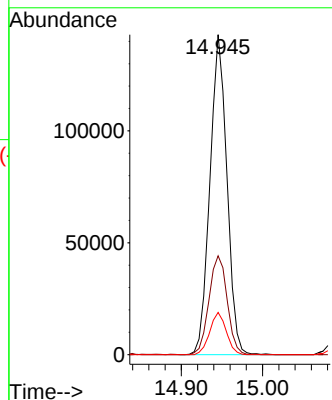
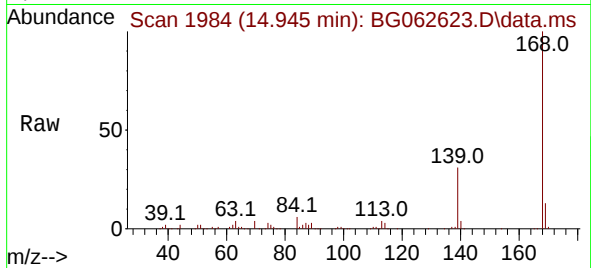




#55
Dibenzenofuran
Concen: 10.541 ng
RT: 14.945 min Scan# 1984
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

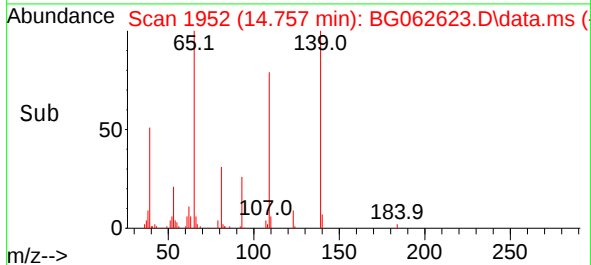
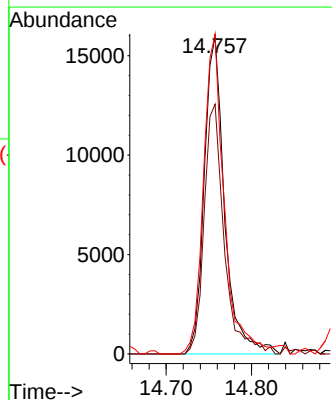
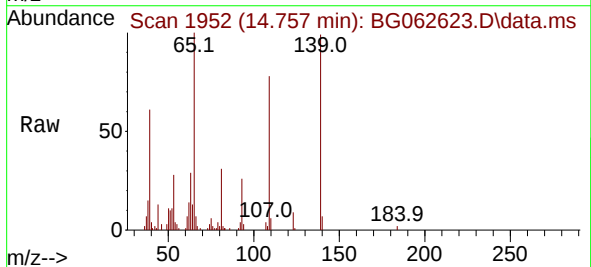
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

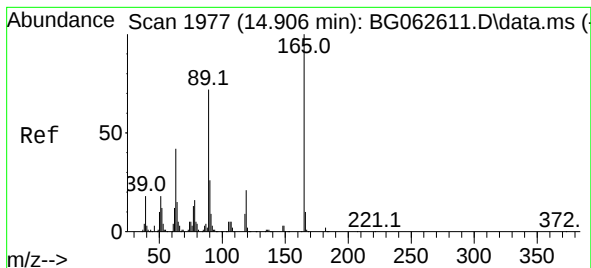
Tgt Ion:168 Resp: 207234
Ion Ratio Lower Upper
168 100
139 30.9 28.6 42.8
169 13.2 11.0 16.6



#56
4-Nitrophenol
Concen: 10.159 ng
RT: 14.757 min Scan# 1952
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:139 Resp: 26389
Ion Ratio Lower Upper
139 100
109 78.7 61.2 101.2
65 100.8 90.2 130.2





#57

2,4-Dinitrotoluene

Concen: 8.860 ng

RT: 14.904 min Scan# 1977

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:165 Resp: 38294

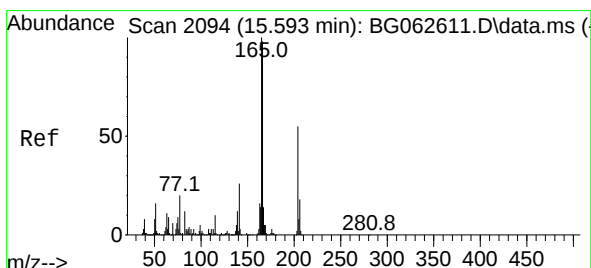
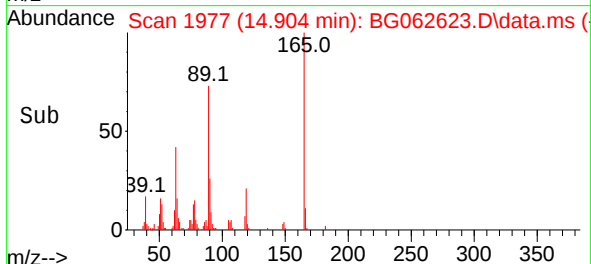
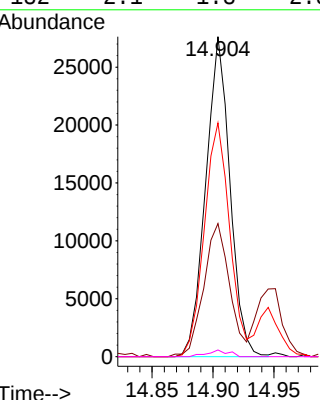
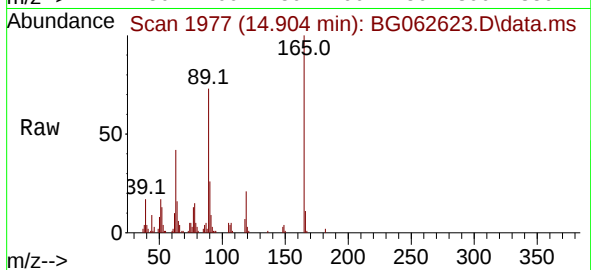
Ion Ratio Lower Upper

165 100

63 41.6 33.8 50.6

89 73.1 57.9 86.9

182 2.1 1.8 2.8



#58

Fluorene

Concen: 10.371 ng

RT: 15.592 min Scan# 2094

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

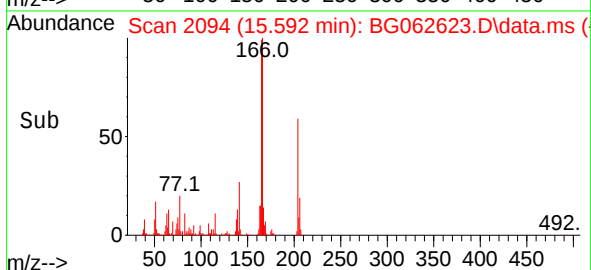
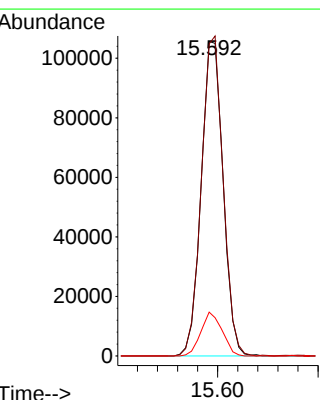
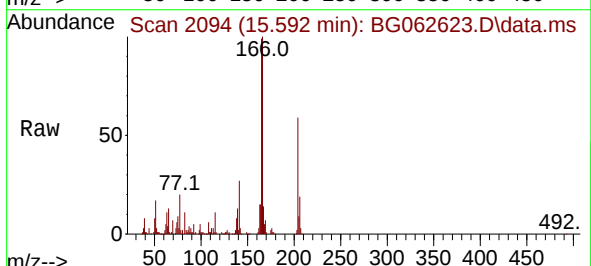
Tgt Ion:166 Resp: 160007

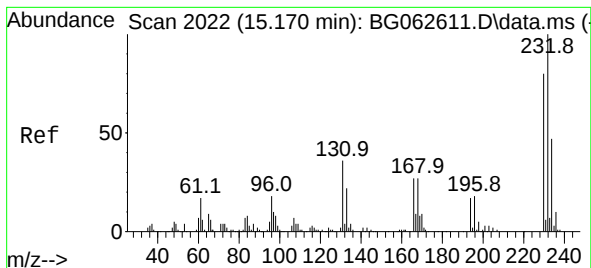
Ion Ratio Lower Upper

166 100

165 99.2 82.0 123.0

167 13.9 11.3 16.9

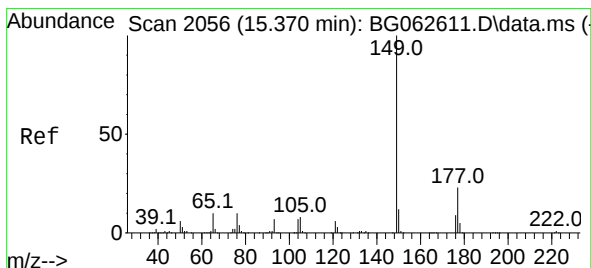
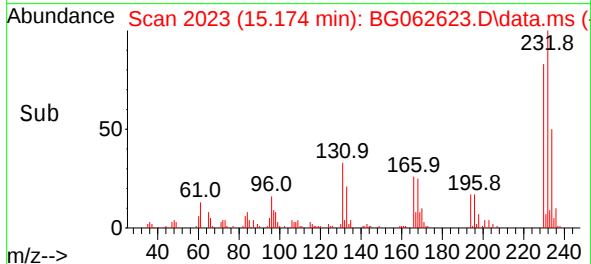
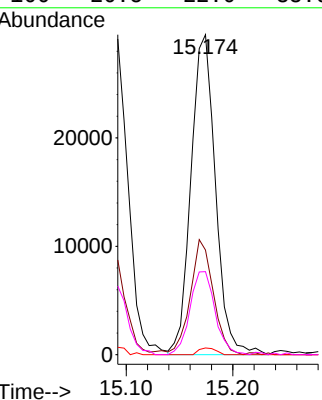
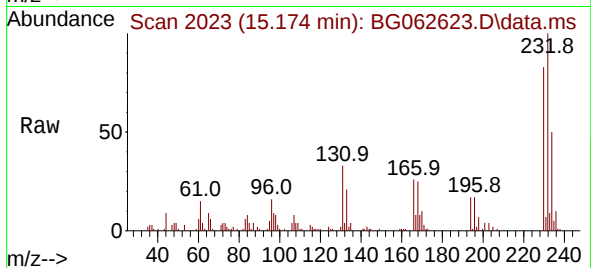




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.084 ng
RT: 15.174 min Scan# 2022
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

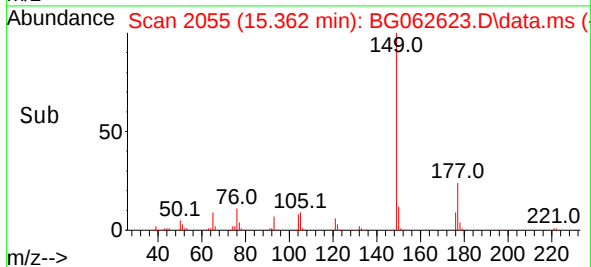
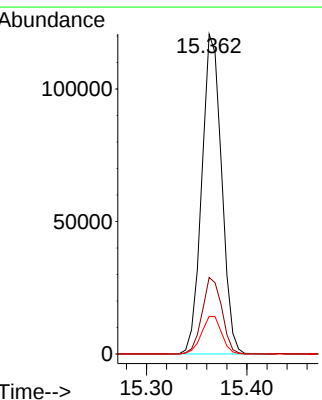
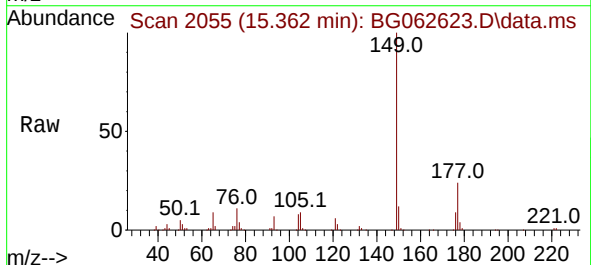
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

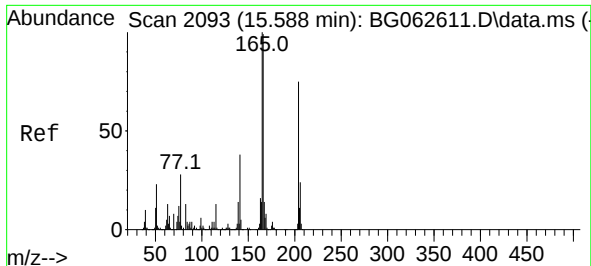
Tgt Ion:232 Resp: 47235
Ion Ratio Lower Upper
232 100
131 34.0 28.3 42.5
130 1.5 1.7 2.5#
166 26.5 22.0 33.0



#60
Diethylphthalate
Concen: 9.934 ng
RT: 15.362 min Scan# 2055
Delta R.T. -0.008 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:149 Resp: 164888
Ion Ratio Lower Upper
149 100
177 23.9 18.0 27.0
150 11.8 9.8 14.8

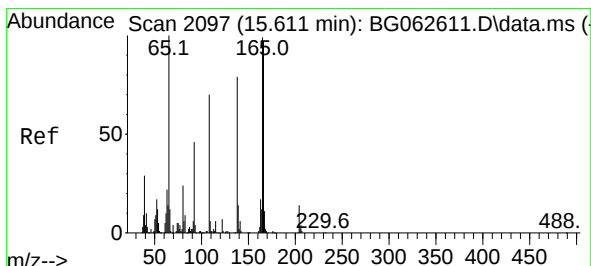
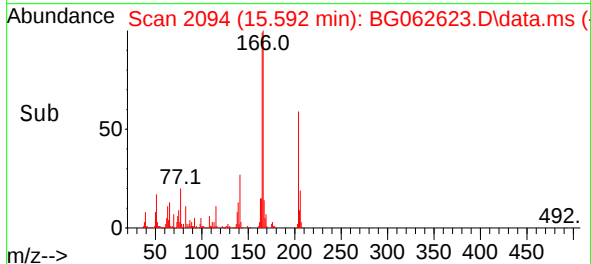
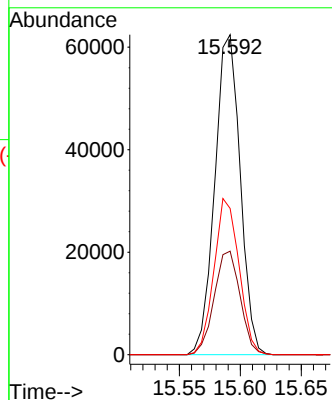
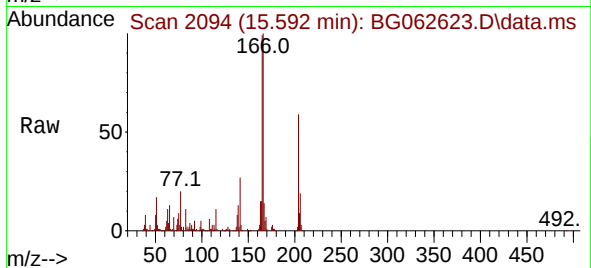




#61
4-Chlorophenyl-phenylether
Concen: 10.219 ng
RT: 15.592 min Scan# 2094
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

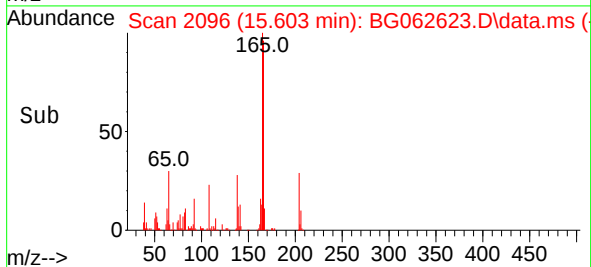
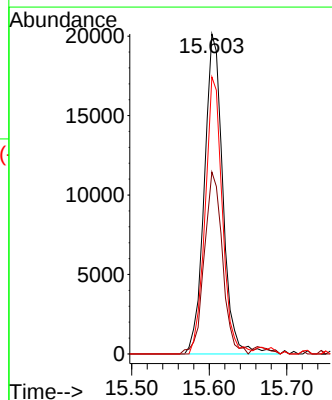
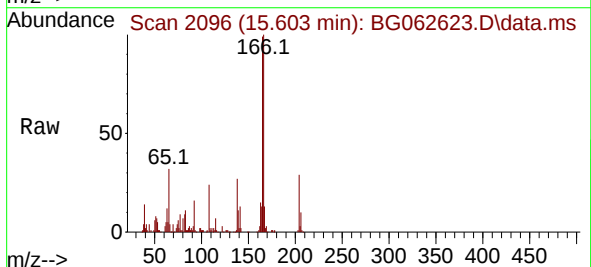
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

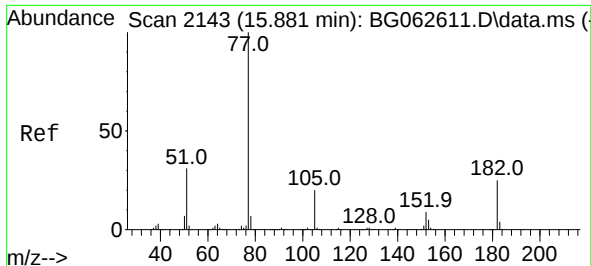
Tgt Ion:204 Resp: 90512
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 45.7 41.0 61.6



#62
4-Nitroaniline
Concen: 9.900 ng
RT: 15.603 min Scan# 2096
Delta R.T. -0.008 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:138 Resp: 33459
Ion Ratio Lower Upper
138 100
92 56.9 38.4 78.4
108 86.6 69.0 109.0

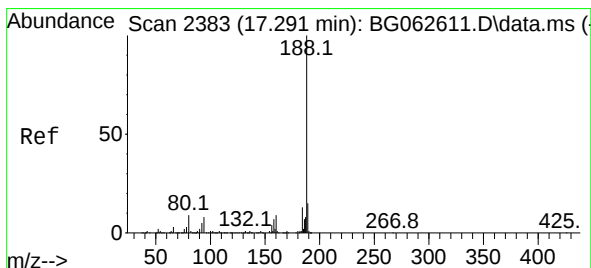
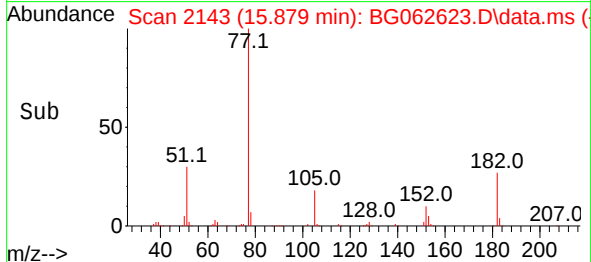
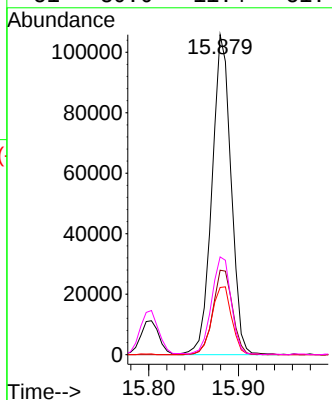
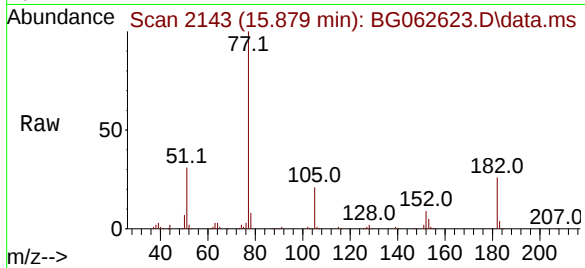




#63
Azobenzene
Concen: 10.002 ng
RT: 15.879 min Scan# 2143
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

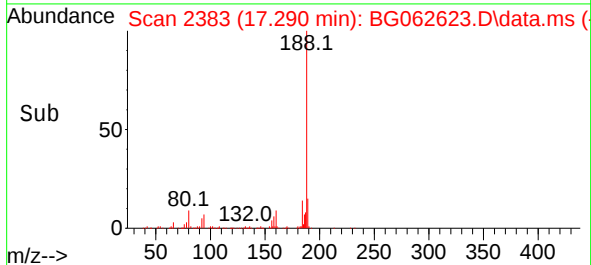
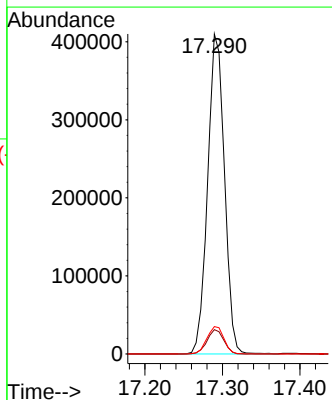
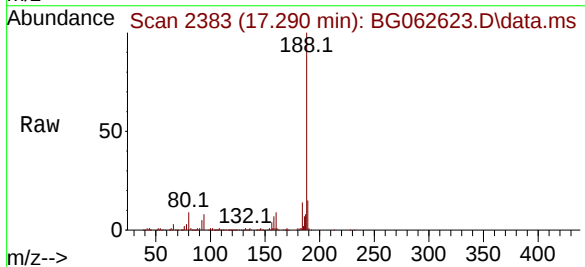
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

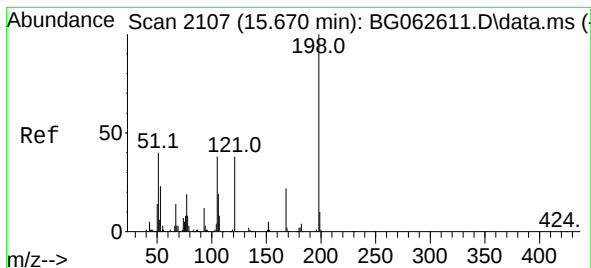
Tgt Ion: 77 Resp: 155889
Ion Ratio Lower Upper
77 100
182 26.4 5.0 45.0
105 21.0 0.5 40.5
51 30.6 11.4 51.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.290 min Scan# 2383
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:188 Resp: 617606
Ion Ratio Lower Upper
188 100
94 7.6 6.3 9.5
80 8.5 7.0 10.4

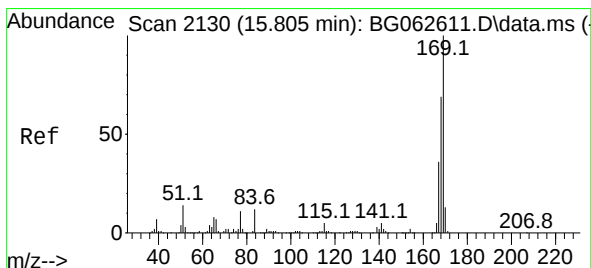
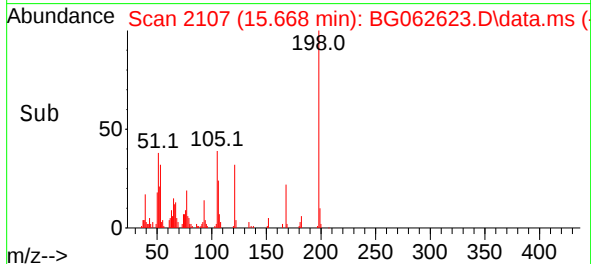
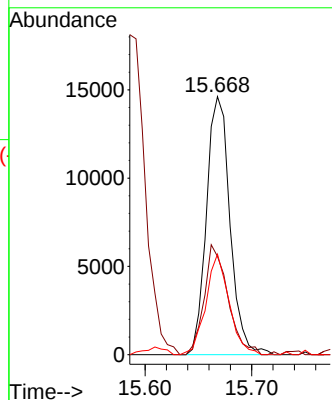
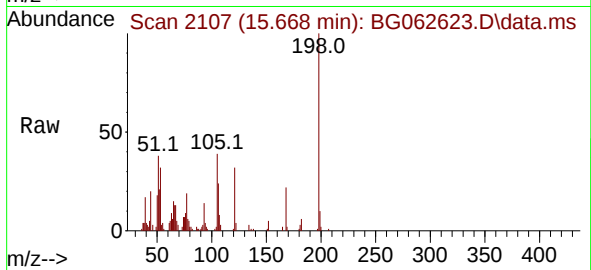




#65
4,6-Dinitro-2-methylphenol
Concen: 8.123 ng
RT: 15.668 min Scan# 2107
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

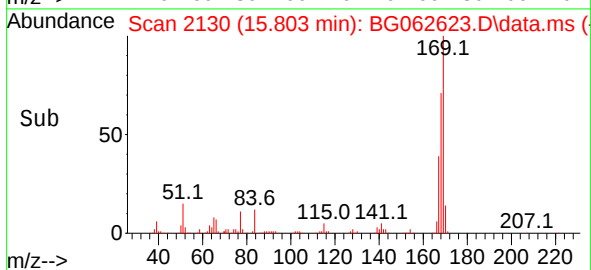
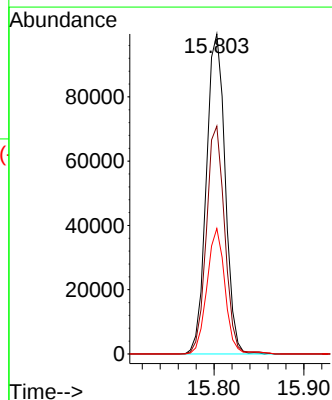
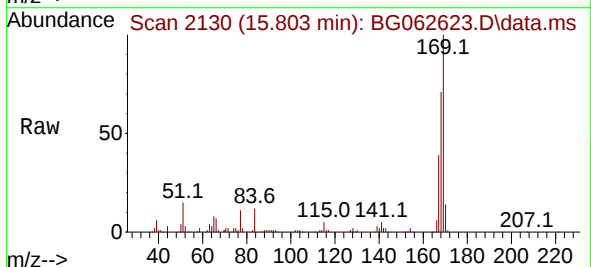
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

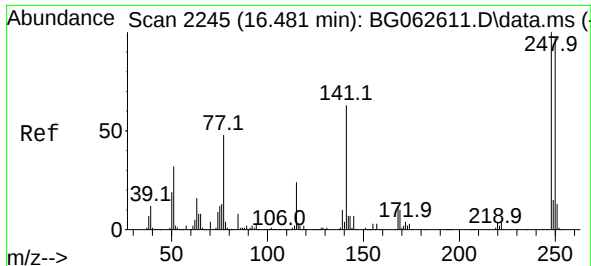
Tgt Ion:198 Resp: 22388
Ion Ratio Lower Upper
198 100
51 38.1 25.1 65.1
105 39.0 18.3 58.3



#66
n-Nitrosodiphenylamine
Concen: 9.733 ng
RT: 15.803 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:169 Resp: 144520
Ion Ratio Lower Upper
169 100
168 71.2 55.4 83.2
167 39.2 29.0 43.6

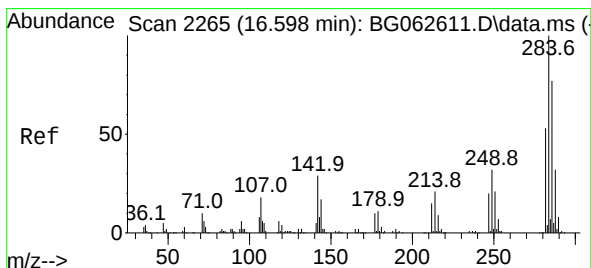
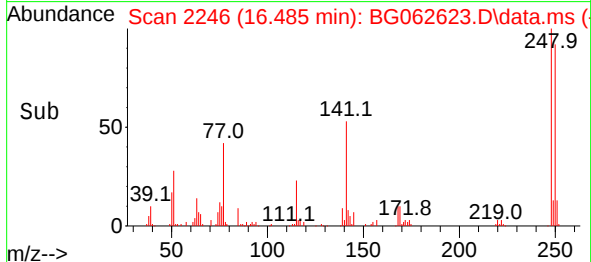
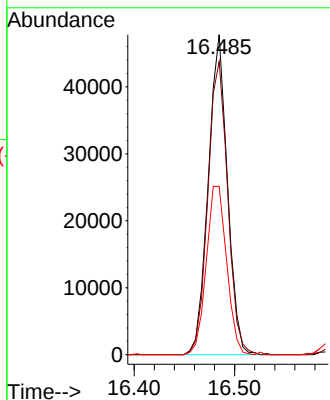
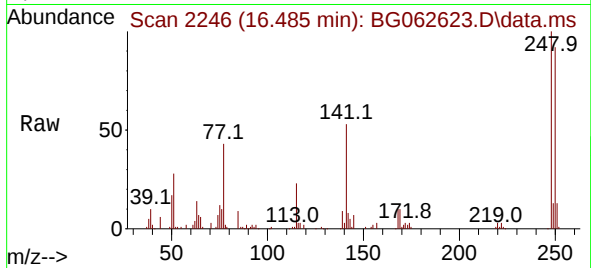




#67
4-Bromophenyl-phenylether
Concen: 9.993 ng
RT: 16.485 min Scan# 2245
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

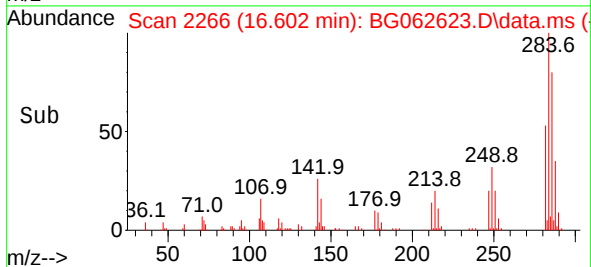
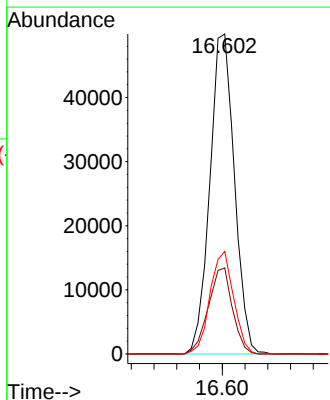
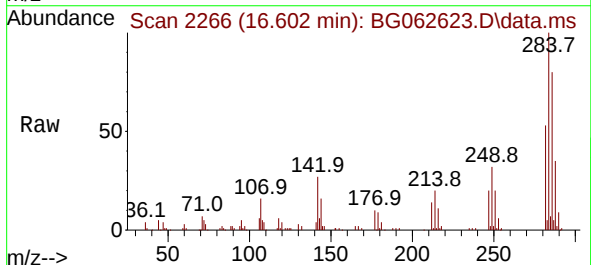
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

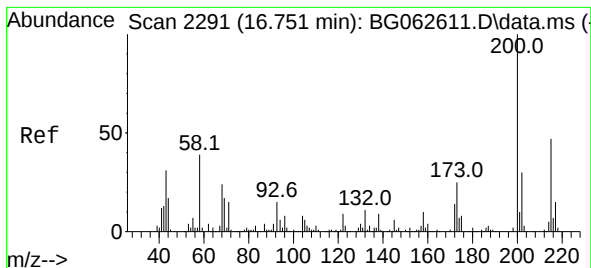
Tgt Ion:248 Resp: 63696
Ion Ratio Lower Upper
248 100
250 91.6 77.9 116.9
141 52.6 50.2 75.2



#68
Hexachlorobenzene
Concen: 9.910 ng
RT: 16.602 min Scan# 2266
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:284 Resp: 74810
Ion Ratio Lower Upper
284 100
142 26.9 23.5 35.3
249 32.0 25.4 38.0





#69

Atrazine

Concen: 12.739 ng

RT: 16.749 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

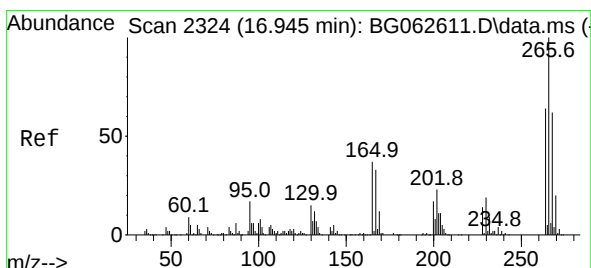
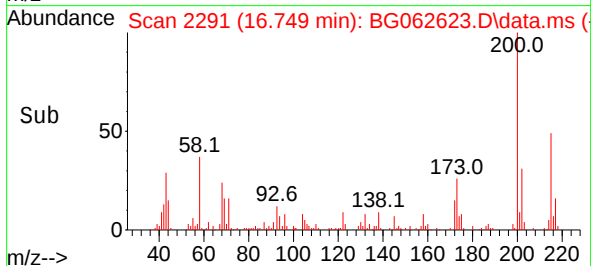
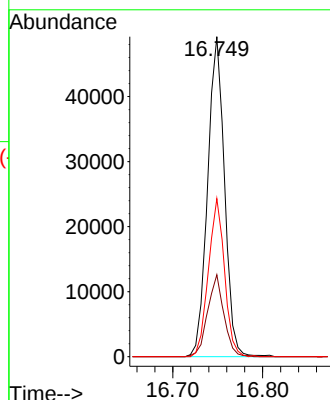
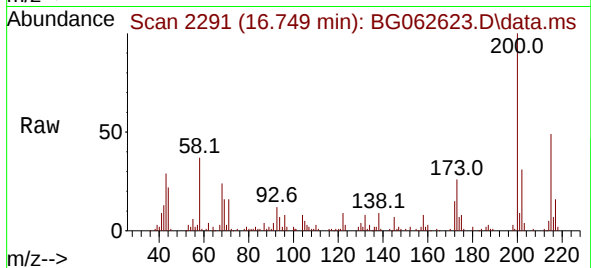
Tgt Ion:200 Resp: 64250

Ion Ratio Lower Upper

200 100

173 25.6 5.2 45.2

215 49.4 27.3 67.3



#70

Pentachlorophenol

Concen: 7.710 ng

RT: 16.943 min Scan# 2324

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

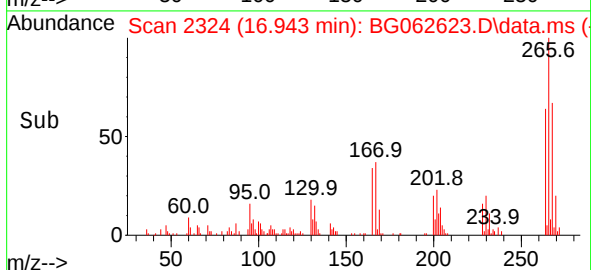
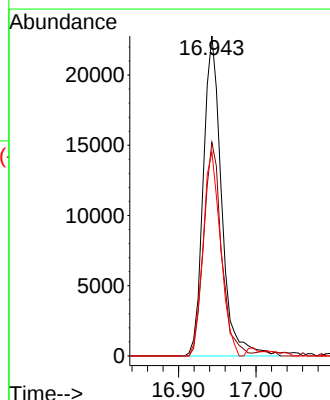
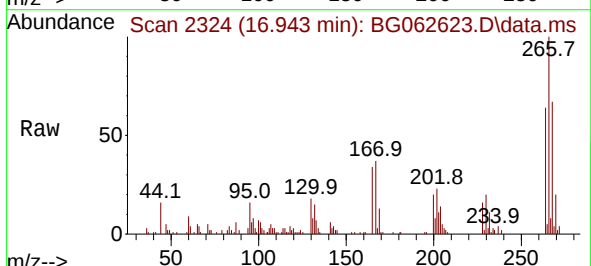
Tgt Ion:266 Resp: 37275

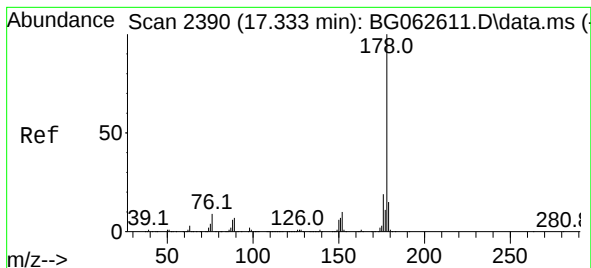
Ion Ratio Lower Upper

266 100

268 71.0 52.6 79.0

264 68.9 51.6 77.4





#71

Phenanthrene

Concen: 10.288 ng

RT: 17.337 min Scan# 2390

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

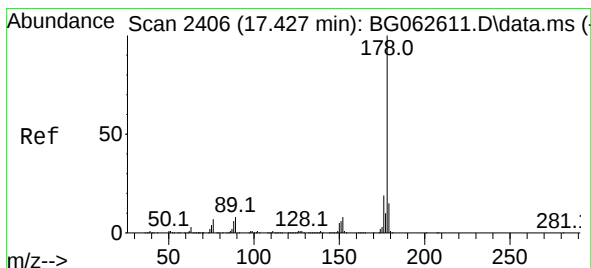
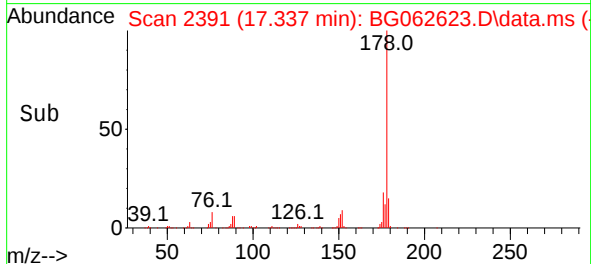
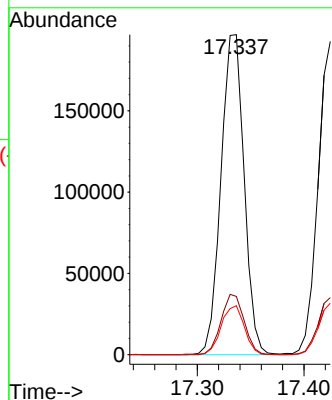
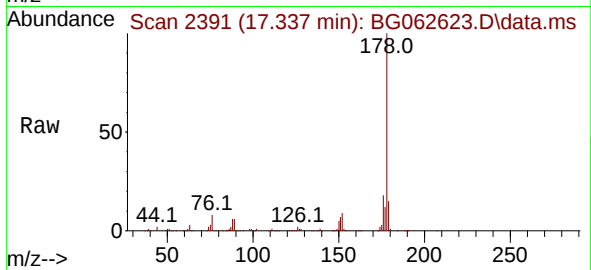
Tgt Ion:178 Resp: 296583

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.0

179 15.3 12.2 18.4



#72

Anthracene

Concen: 10.056 ng

RT: 17.425 min Scan# 2406

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

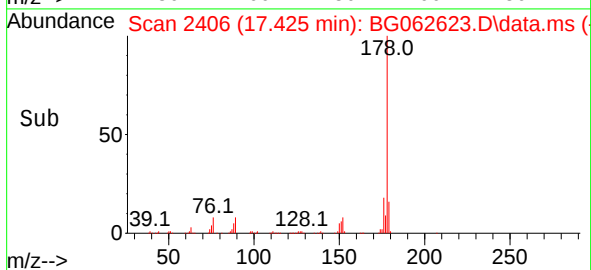
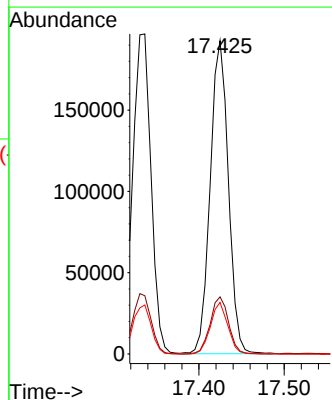
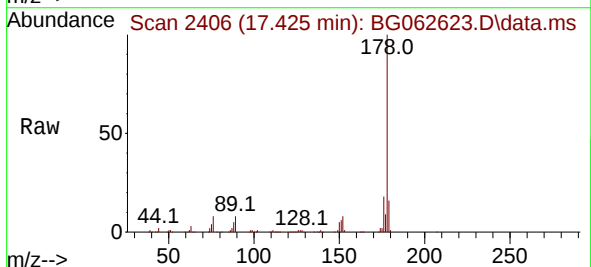
Tgt Ion:178 Resp: 285028

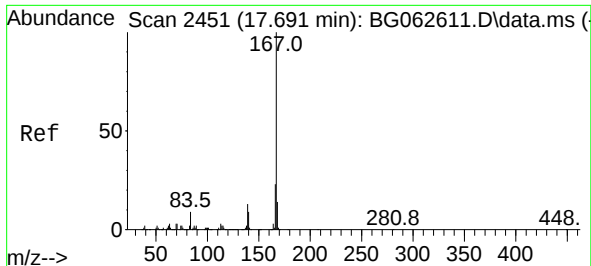
Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

179 16.4 12.0 18.0

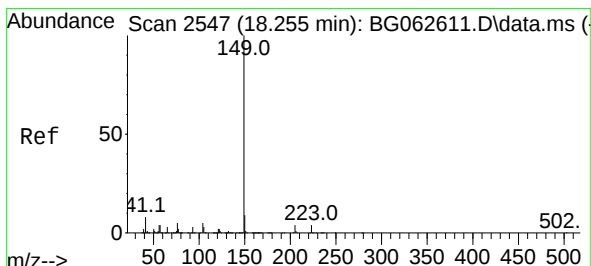
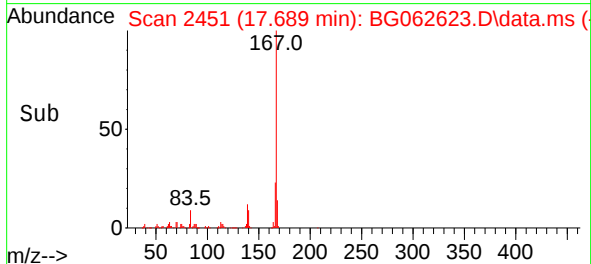
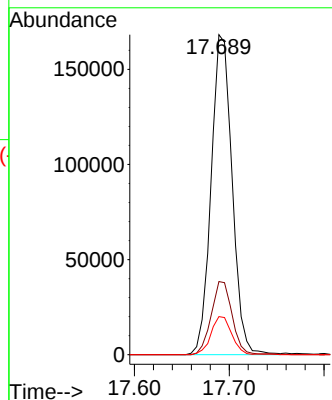
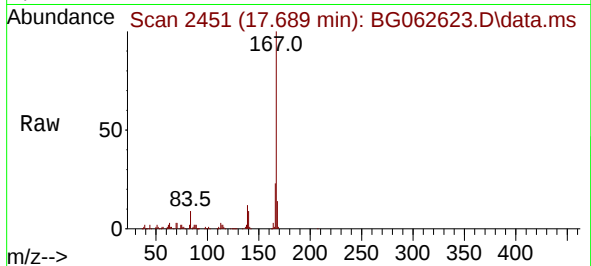




#73
 Carbazole
 Concen: 9.918 ng
 RT: 17.689 min Scan# 2451
 Delta R.T. -0.002 min
 Lab File: BG062623.D
 Acq: 3 Sep 2024 13:09

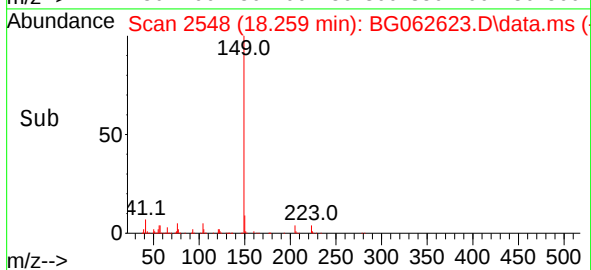
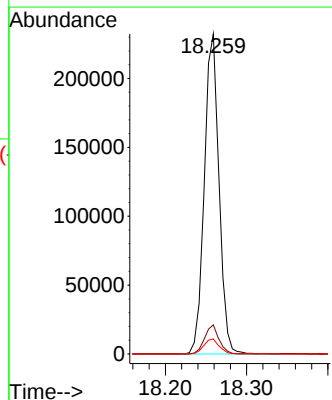
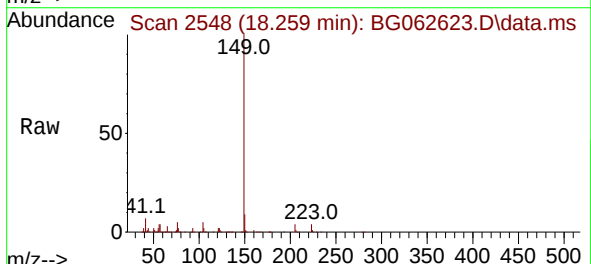
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

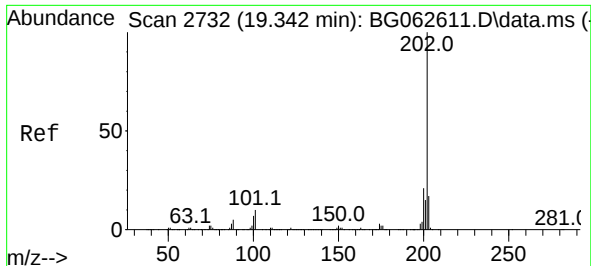
Tgt Ion:167 Resp: 258436
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.2 27.2
 139 11.9 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 9.901 ng
 RT: 18.259 min Scan# 2548
 Delta R.T. 0.004 min
 Lab File: BG062623.D
 Acq: 3 Sep 2024 13:09

Tgt Ion:149 Resp: 290927
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.3 10.9
 104 4.7 4.2 6.2

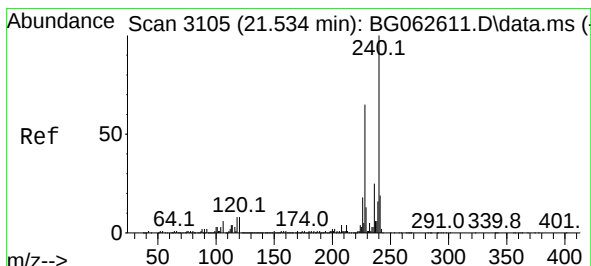
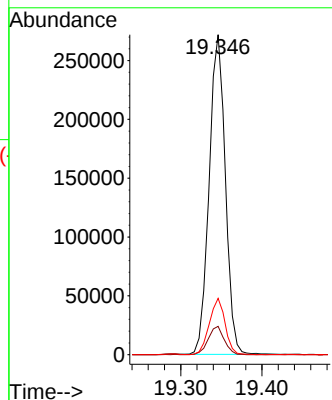
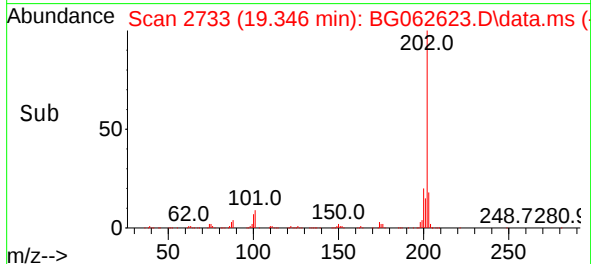
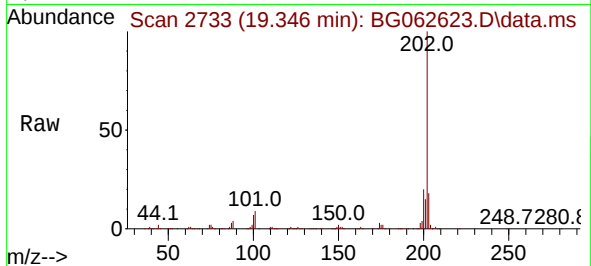




#75
Fluoranthene
Concen: 10.306 ng
RT: 19.346 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

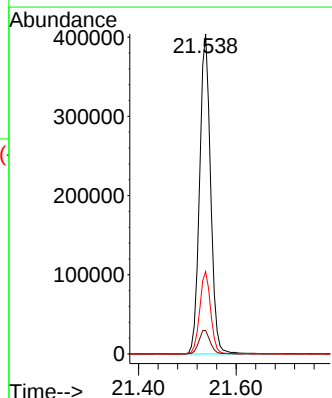
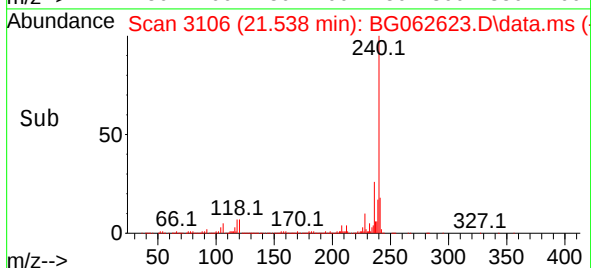
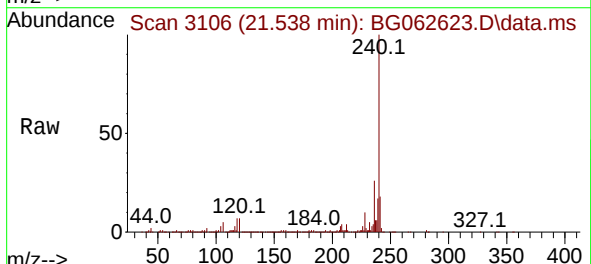
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2024

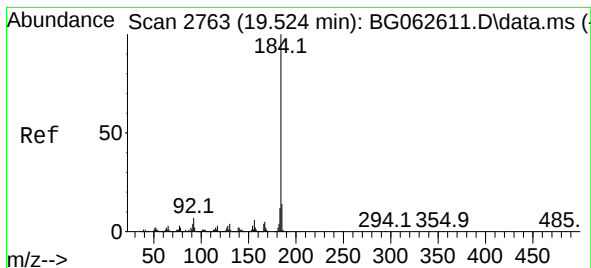
Tgt Ion:202 Resp: 375735
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.538 min Scan# 3106
Delta R.T. 0.004 min
Lab File: BG062623.D
Acq: 3 Sep 2024 13:09

Tgt Ion:240 Resp: 634372
Ion Ratio Lower Upper
240 100
120 7.4 6.6 9.8
236 25.8 20.2 30.4





#77

Benzidine

Concen: 7.470 ng

RT: 19.528 min Scan# 2764

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

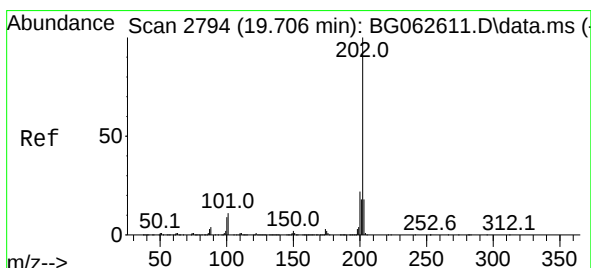
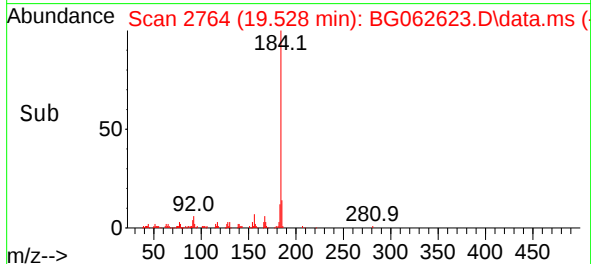
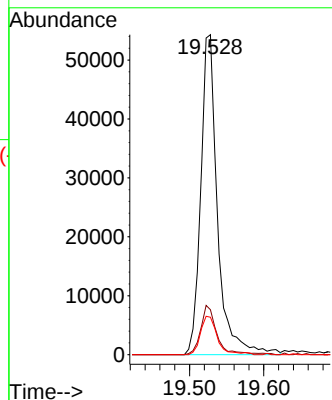
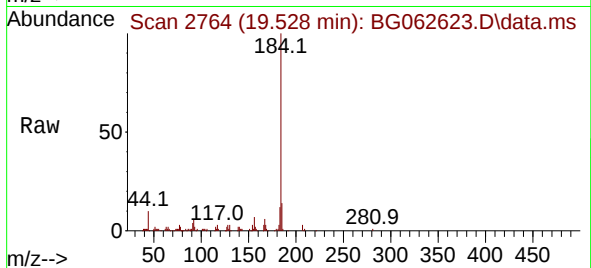
Tgt Ion:184 Resp: 85412

Ion Ratio Lower Upper

184 100

185 14.1 11.0 16.6

183 11.7 9.7 14.5



#78

Pyrene

Concen: 9.852 ng

RT: 19.704 min Scan# 2794

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

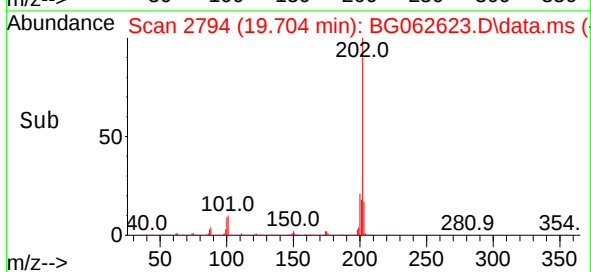
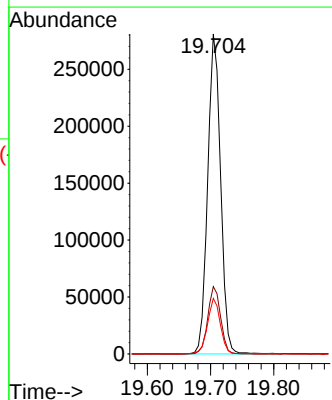
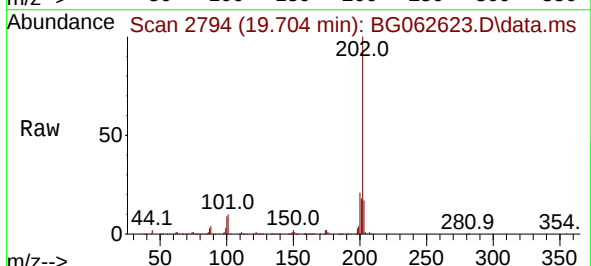
Tgt Ion:202 Resp: 397284

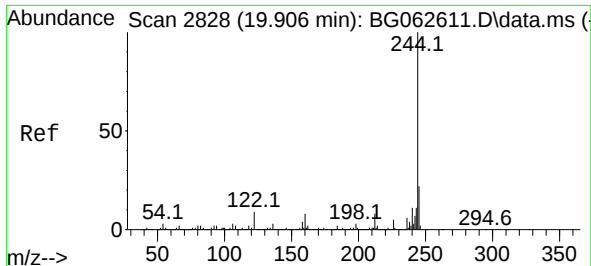
Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 17.3 14.1 21.1

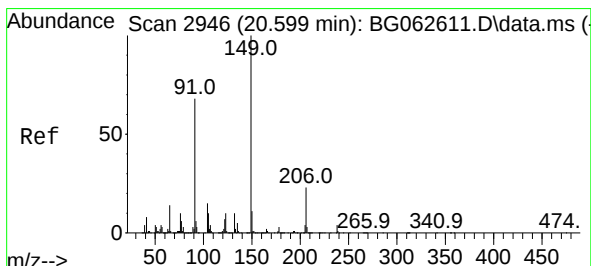
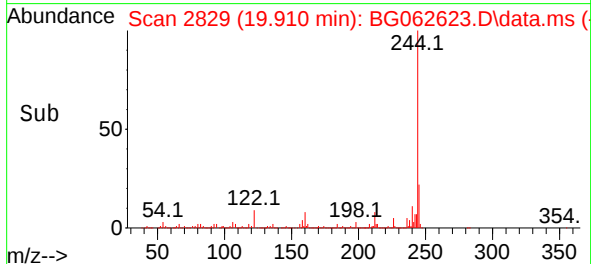
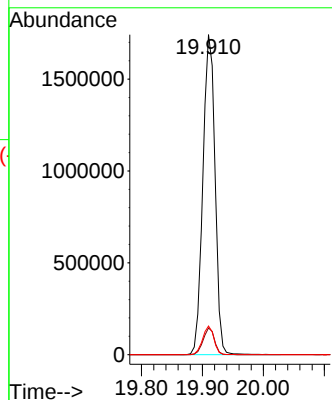
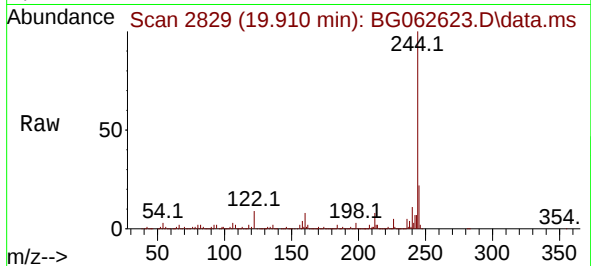




#79
 Terphenyl-d14
 Concen: 75.205 ng
 RT: 19.910 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG062623.D
 Acq: 3 Sep 2024 13:09

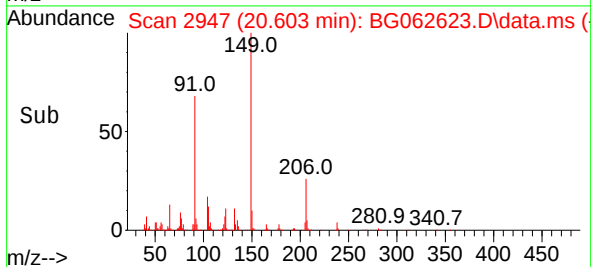
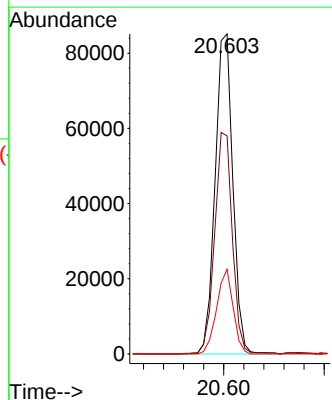
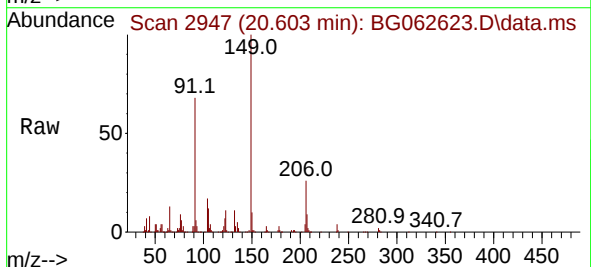
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

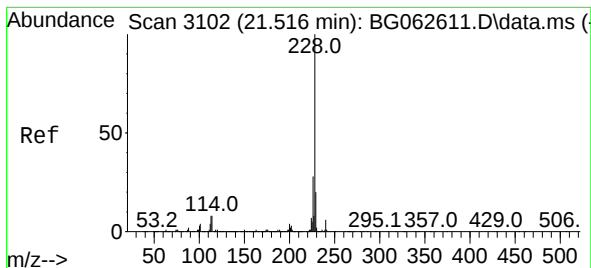
Tgt Ion:244 Resp: 2406049
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.6 10.0
 122 9.0 7.2 10.8



#80
 Butylbenzylphthalate
 Concen: 8.813 ng
 RT: 20.603 min Scan# 2947
 Delta R.T. 0.004 min
 Lab File: BG062623.D
 Acq: 3 Sep 2024 13:09

Tgt Ion:149 Resp: 104387
 Ion Ratio Lower Upper
 149 100
 91 68.2 54.6 81.8
 206 26.4 18.4 27.6





#81

Benzo(a)anthracene

Concen: 10.028 ng

RT: 21.520 min Scan# 3103

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

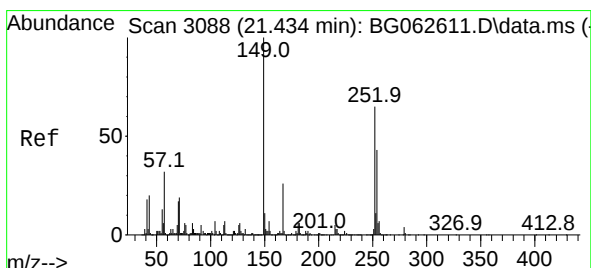
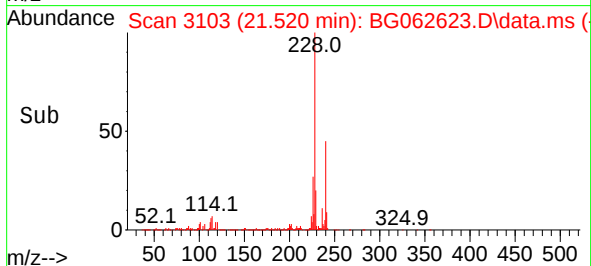
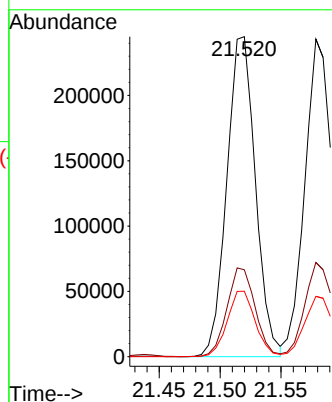
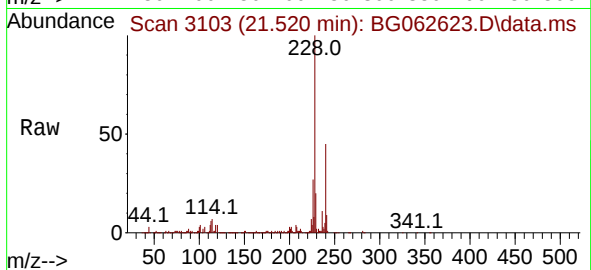
Tgt Ion:228 Resp: 401218

Ion Ratio Lower Upper

228 100

226 27.1 22.3 33.5

229 20.4 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 10.386 ng

RT: 21.438 min Scan# 3089

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

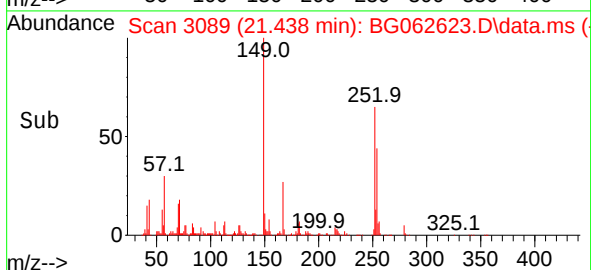
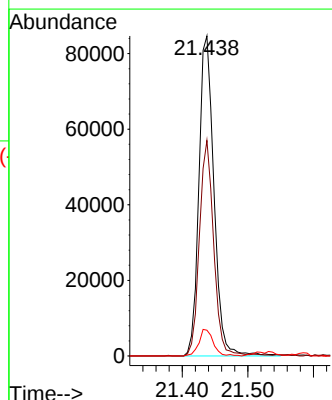
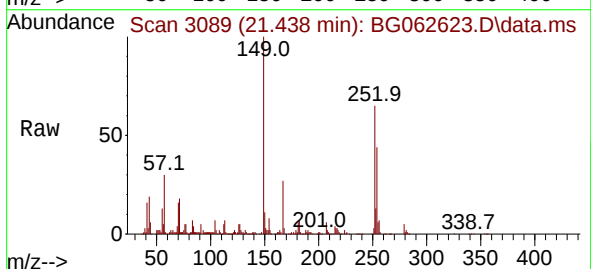
Tgt Ion:252 Resp: 135372

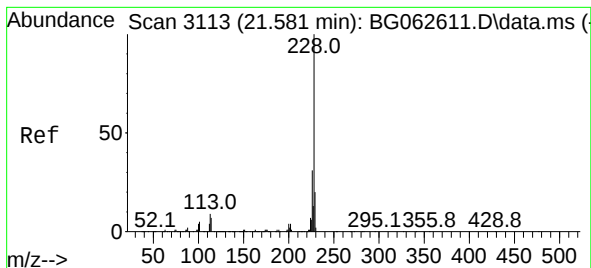
Ion Ratio Lower Upper

252 100

254 67.3 52.2 78.2

126 8.1 6.7 10.1





#83

Chrysene

Concen: 9.977 ng

RT: 21.579 min Scan# 3113

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

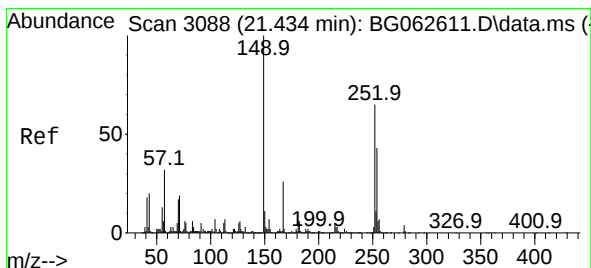
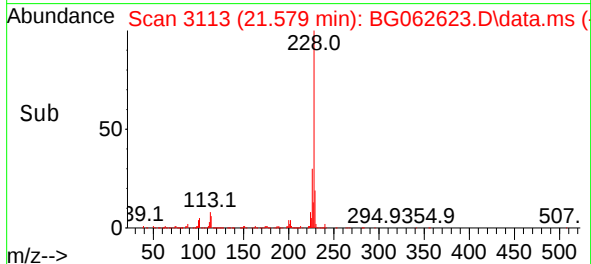
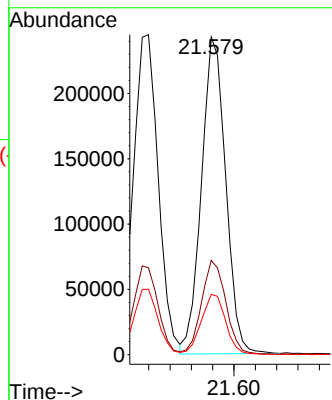
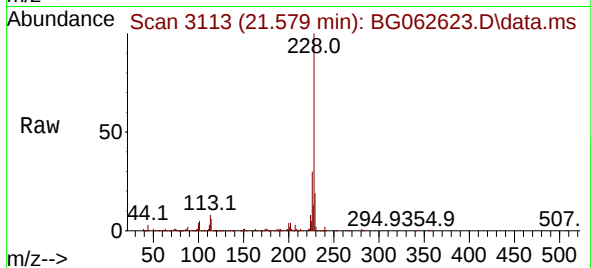
Tgt Ion:228 Resp: 382388

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

229 19.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.252 ng

RT: 21.438 min Scan# 3089

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

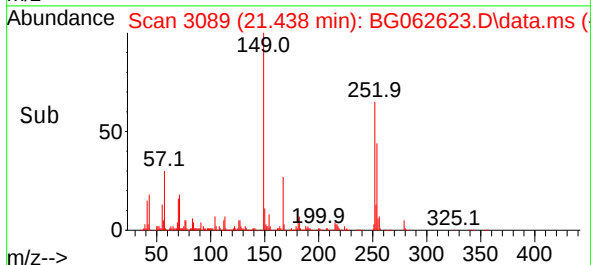
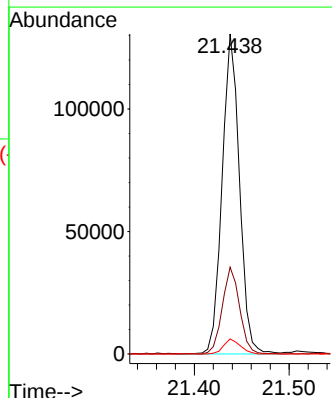
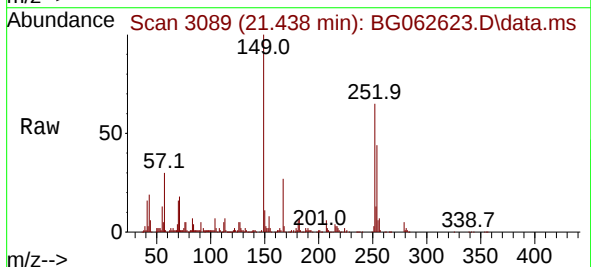
Tgt Ion:149 Resp: 166474

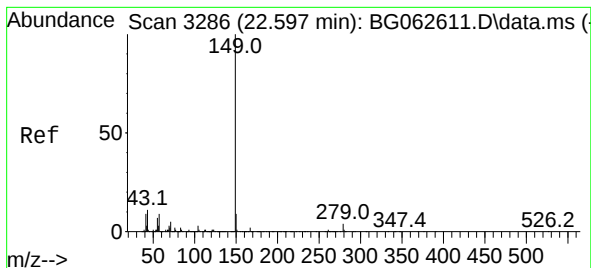
Ion Ratio Lower Upper

149 100

167 27.1 20.5 30.7

279 4.7 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 8.837 ng

RT: 22.601 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

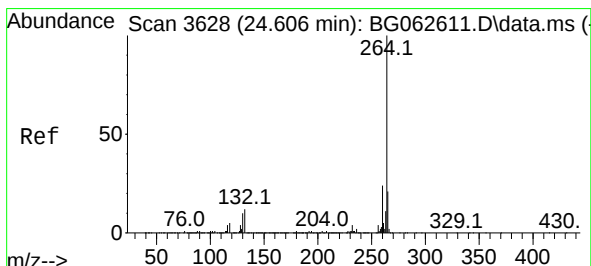
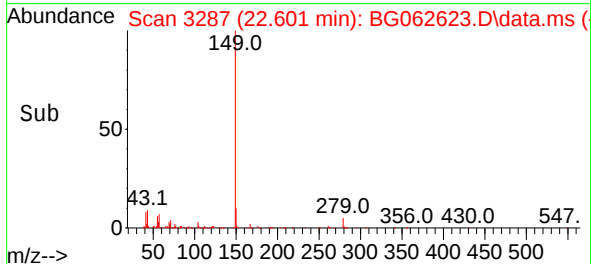
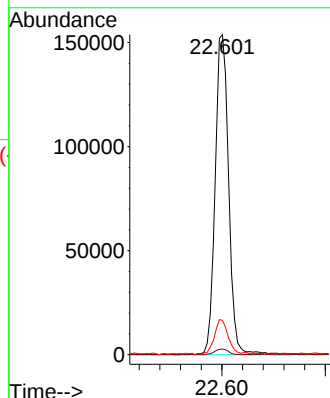
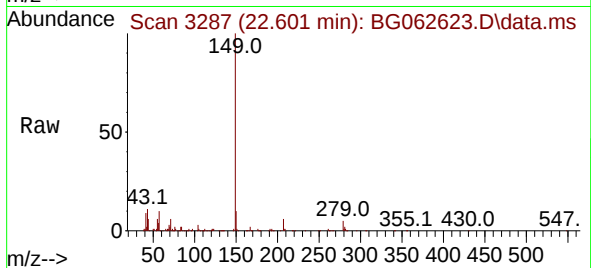
Tgt Ion:149 Resp: 278430

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 12.1 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.610 min Scan# 3629

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

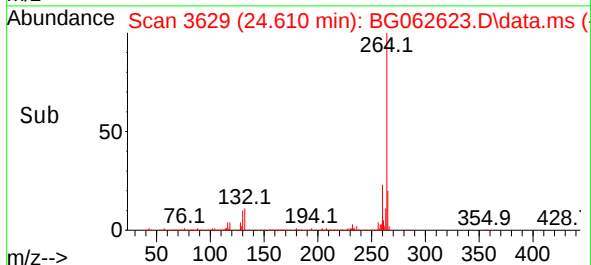
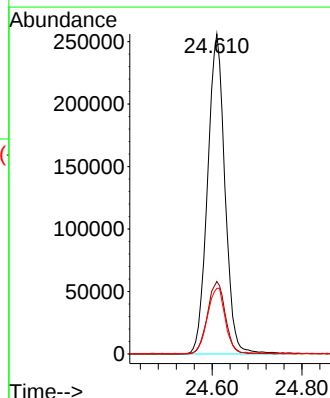
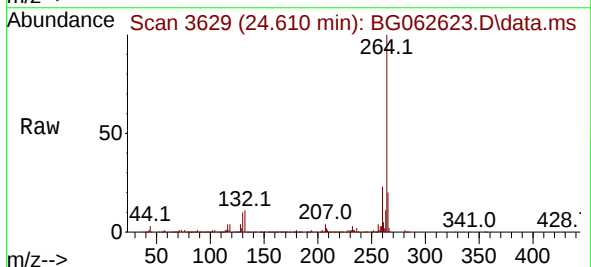
Tgt Ion:264 Resp: 686367

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.4

265 20.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.104 ng

RT: 28.071 min Scan# 41

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

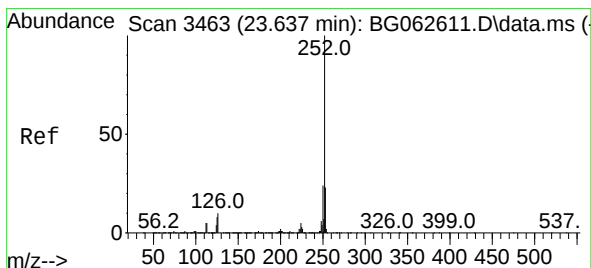
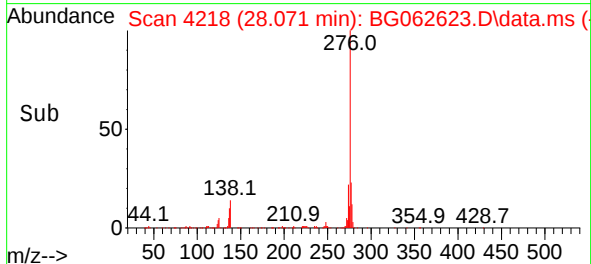
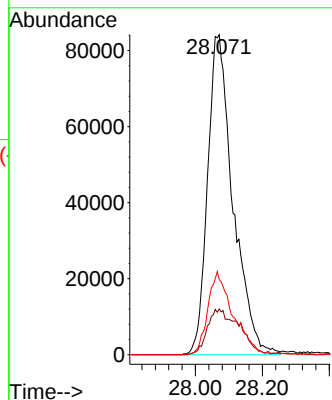
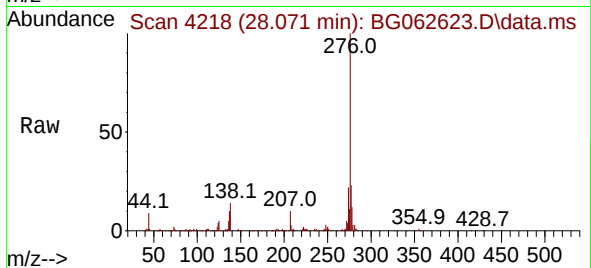
Tgt Ion:276 Resp: 444708

Ion Ratio Lower Upper

276 100

138 17.7 14.9 22.3

277 25.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 10.192 ng

RT: 23.635 min Scan# 3463

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

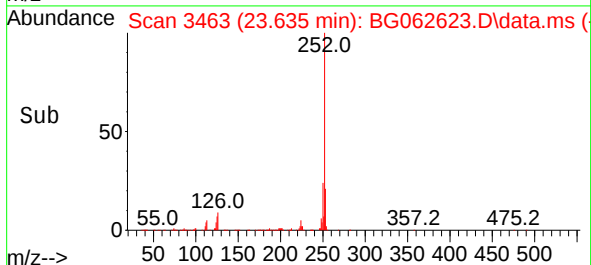
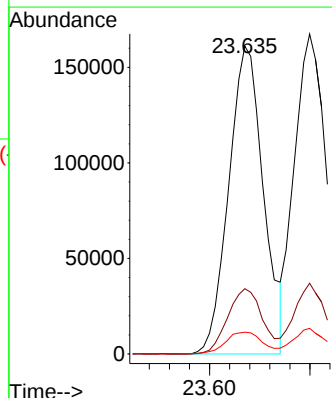
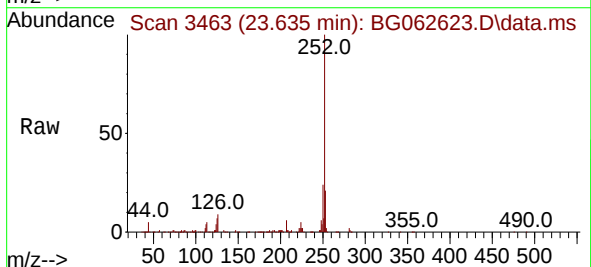
Tgt Ion:252 Resp: 386375

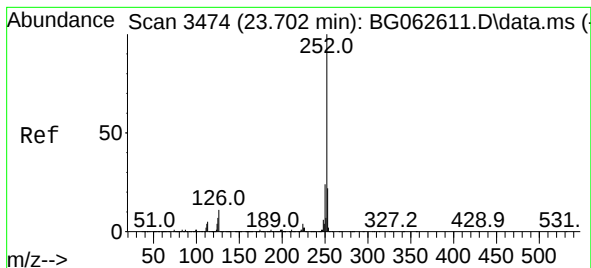
Ion Ratio Lower Upper

252 100

253 21.2 18.2 27.2

125 7.1 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 10.225 ng

RT: 23.700 min Scan# 34

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

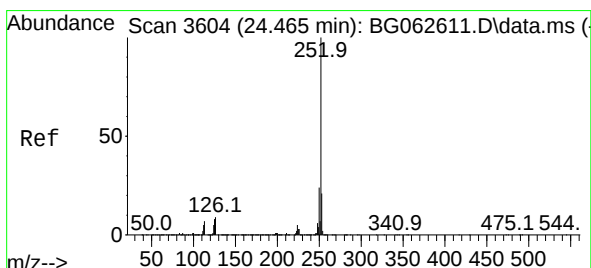
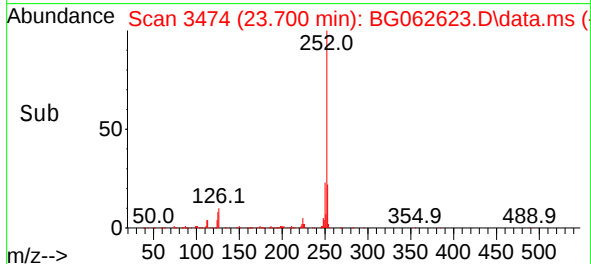
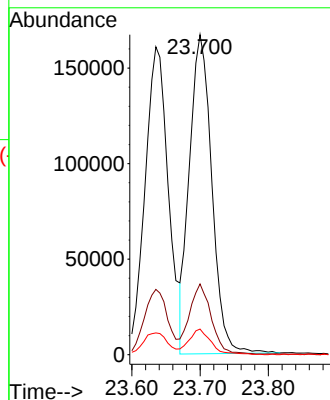
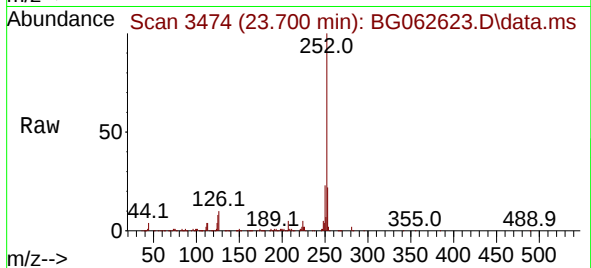
Tgt Ion:252 Resp: 379186

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 8.0 6.1 9.1



#90

Benzo(a)pyrene

Concen: 10.342 ng

RT: 24.463 min Scan# 3604

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

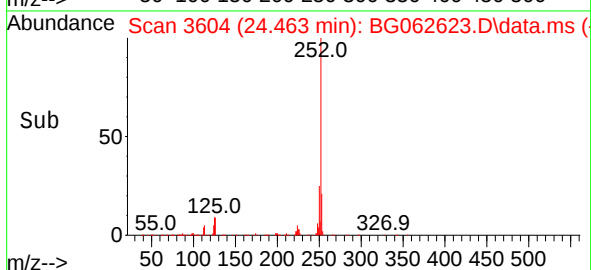
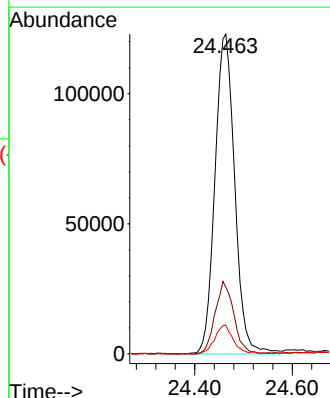
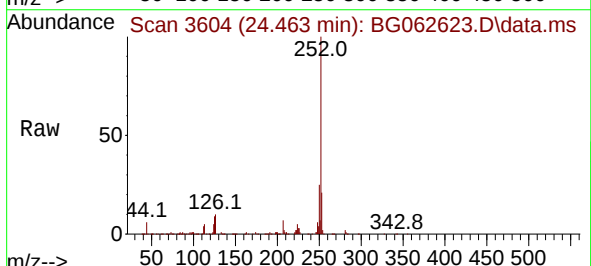
Tgt Ion:252 Resp: 346379

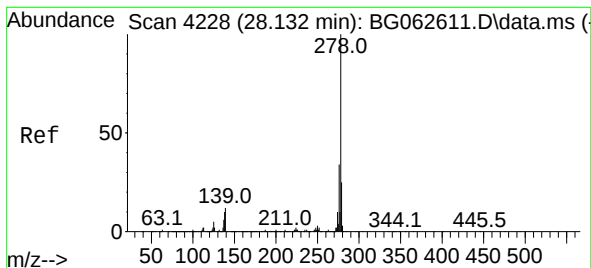
Ion Ratio Lower Upper

252 100

253 20.9 17.1 25.7

125 9.1 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 10.172 ng

RT: 28.136 min Scan# 41

Delta R.T. 0.004 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2024

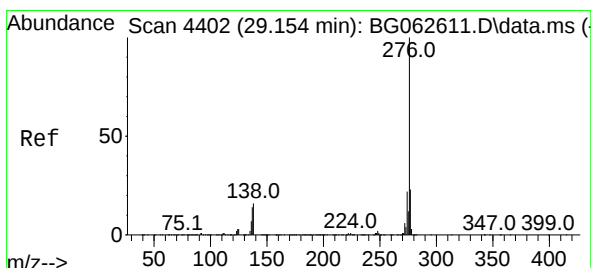
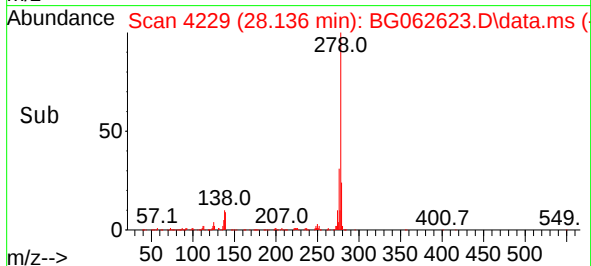
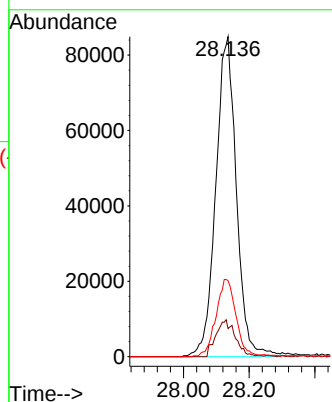
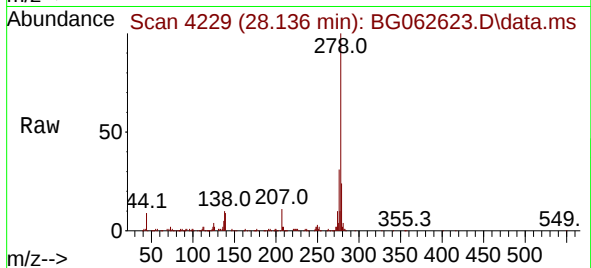
Tgt Ion:278 Resp: 368811

Ion Ratio Lower Upper

278 100

139 8.8 9.2 13.8#

279 23.7 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 9.680 ng

RT: 29.152 min Scan# 4402

Delta R.T. -0.002 min

Lab File: BG062623.D

Acq: 3 Sep 2024 13:09

Tgt Ion:276 Resp: 353891

Ion Ratio Lower Upper

276 100

277 22.6 18.8 28.2

138 13.1 12.7 19.1

