

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
 Data File : BG062644.D
 Acq On : 4 Sep 2024 15:38
 Operator : MA/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10 ng
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: Sep 04 16:20:45 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	7.923	152	46320	20.000	ng	0.00
21) Naphthalene-d8	10.713	136	177909	20.000	ng	0.00
39) Acenaphthene-d10	14.544	164	150122	20.000	ng	0.00
64) Phenanthrene-d10	17.288	188	419718	20.000	ng	0.00
76) Chrysene-d12	21.536	240	484784	20.000	ng	0.00
86) Perylene-d12	24.609	264	540234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	334119	124.684	ng	0.00
7) Phenol-d6	7.082	99	468186	120.940	ng	0.00
23) Nitrobenzene-d5	9.074	82	322880	97.742	ng	0.00
42) 2,4,6-Tribromophenol	16.037	330	303342	143.581	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	848258	91.525	ng	0.00
79) Terphenyl-d14	19.909	244	2049008	83.807	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.404	88	13922	12.471	ng	99
3) Pyridine	3.804	79	34143	10.615	ng	96
4) n-Nitrosodimethylamine	3.716	42	17010	10.878	ng	# 93
6) Aniline	7.247	93	43009	11.891	ng	# 90
8) 2-Chlorophenol	7.488	128	30284	10.526	ng	86
9) Benzaldehyde	7.059	77	31995	14.208	ng	99
10) Phenol	7.112	94	41985	10.713	ng	96
11) bis(2-Chloroethyl)ether	7.341	93	30938	10.311	ng	97
12) 1,3-Dichlorobenzene	7.811	146	34005	10.771	ng	99
13) 1,4-Dichlorobenzene	7.958	146	35327	10.873	ng	95
14) 1,2-Dichlorobenzene	8.275	146	33946	10.629	ng	97
15) Benzyl Alcohol	8.158	79	29240	10.208	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.434	45	58445	10.220	ng	99
17) 2-Methylphenol	8.357	107	27171	9.946	ng	88
18) Hexachloroethane	8.998	117	12824	10.526	ng	# 85
19) n-Nitroso-di-n-propyla...	8.716	70	27414	8.987	ng	99
20) 3+4-Methylphenols	8.680	107	37301	9.255	ng	93
22) Acetophenone	8.733	105	53370	11.120	ng	100
24) Nitrobenzene	9.115	77	39724	11.310	ng	94
25) Isophorone	9.632	82	77094	10.632	ng	# 98
26) 2-Nitrophenol	9.832	139	15496	11.676	ng	# 86
27) 2,4-Dimethylphenol	9.891	122	23240	11.951	ng	89
28) bis(2-Chloroethoxy)met...	10.120	93	43637	11.241	ng	96
29) 2,4-Dichlorophenol	10.361	162	31092	11.436	ng	97
30) 1,2,4-Trichlorobenzene	10.578	180	37930	11.768	ng	97
31) Naphthalene	10.760	128	101232	11.480	ng	95
32) Benzoic acid	9.955	122	15383	7.355	ng	85
33) 4-Chloroaniline	10.872	127	41166	11.863	ng	94
34) Hexachlorobutadiene	11.048	225	25730	11.430	ng	91
35) Caprolactam	11.606	113	12100	11.544	ng	94
36) 4-Chloro-3-methylphenol	11.994	107	34050	10.382	ng	98
37) 2-Methylnaphthalene	12.370	142	76980	11.255	ng	99
38) 1-Methylnaphthalene	12.588	142	72442	10.548	ng	94
40) 1,2,4,5-Tetrachloroben...	12.740	216	52930	11.724	ng	98
41) Hexachlorocyclopentadiene	12.723	237	17001	13.199	ng	92
43) 2,4,6-Trichlorophenol	12.975	196	30705	10.728	ng	96

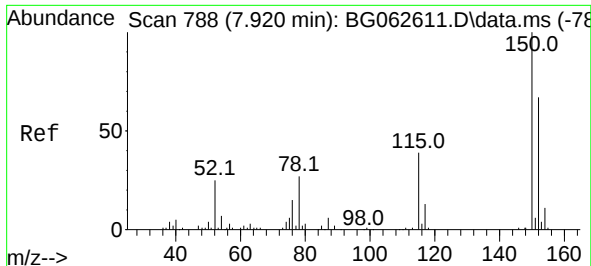
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.052	196	34320	10.589	ng	99
46) 1,1'-Biphenyl	13.381	154	113045	11.287	ng	99
47) 2-Chloronaphthalene	13.422	162	86911	10.707	ng	98
48) 2-Nitroaniline	13.616	65	23732	11.116	ng	94
49) Acenaphthylene	14.268	152	141621	11.782	ng	99
50) Dimethylphthalate	13.998	163	123257	11.228	ng	99
51) 2,6-Dinitrotoluene	14.115	165	21961	10.577	ng	95
52) Acenaphthene	14.609	154	79738	10.612	ng	99
53) 3-Nitroaniline	14.444	138	24327	12.109	ng	90
54) 2,4-Dinitrophenol	14.656	184	11082	9.511	ng	92
55) Dibenzofuran	14.944	168	147067	11.413	ng	99
56) 4-Nitrophenol	14.756	139	20181	11.853	ng	92
57) 2,4-Dinitrotoluene	14.903	165	32648	11.524	ng	94
58) Fluorene	15.590	166	114815	11.353	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.173	232	36256	11.808	ng	# 97
60) Diethylphthalate	15.361	149	120979	11.119	ng	97
61) 4-Chlorophenyl-phenyle...	15.590	204	66844	11.513	ng	93
62) 4-Nitroaniline	15.602	138	26138	11.799	ng	97
63) Azobenzene	15.878	77	112007	10.964	ng	98
65) 4,6-Dinitro-2-methylph...	15.666	198	17940	9.578	ng	95
66) n-Nitrosodiphenylamine	15.802	169	108998	10.801	ng	99
67) 4-Bromophenyl-phenylether	16.483	248	44883	10.361	ng	96
68) Hexachlorobenzene	16.601	284	54495	10.623	ng	95
69) Atrazine	16.747	200	49555	14.458	ng	94
70) Pentachlorophenol	16.941	266	30949	9.419	ng	95
71) Phenanthrene	17.335	178	226383	11.556	ng	98
72) Anthracene	17.423	178	229267	11.903	ng	97
73) Carbazole	17.693	167	208370	11.767	ng	98
74) Di-n-butylphthalate	18.258	149	227059	11.370	ng	100
75) Fluoranthene	19.344	202	296982	11.986	ng	99
77) Benzidine	19.527	184	144409	16.527	ng	99
78) Pyrene	19.703	202	322787	10.475	ng	98
80) Butylbenzylphthalate	20.602	149	89868	9.929	ng	100
81) Benzo(a)anthracene	21.518	228	345106	11.287	ng	99
82) 3,3'-Dichlorobenzidine	21.436	252	118017	11.848	ng	99
83) Chrysene	21.577	228	334140	11.409	ng	97
84) Bis(2-ethylhexyl)phtha...	21.436	149	137927	10.030	ng	99
85) Di-n-octyl phthalate	22.599	149	233380	9.693	ng	100
87) Indeno(1,2,3-cd)pyrene	28.070	276	390246	11.265	ng	# 92
88) Benzo(b)fluoranthene	23.634	252	319223	10.698	ng	97
89) Benzo(k)fluoranthene	23.698	252	335928	11.509	ng	99
90) Benzo(a)pyrene	24.462	252	304531	11.552	ng	99
91) Dibenzo(a,h)anthracene	28.128	278	321760	11.275	ng	97
92) Benzo(g,h,i)perylene	29.156	276	308187	10.710	ng	96

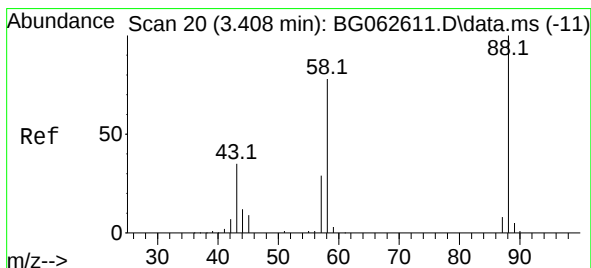
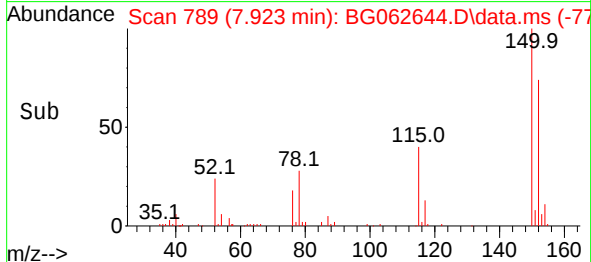
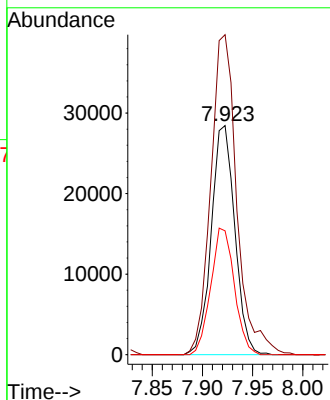
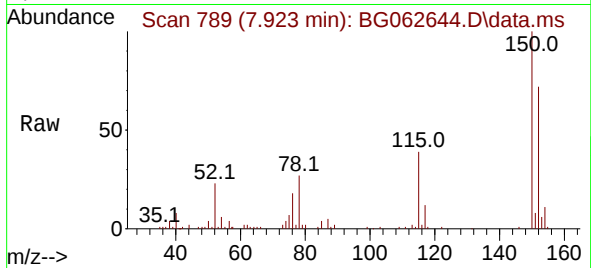
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

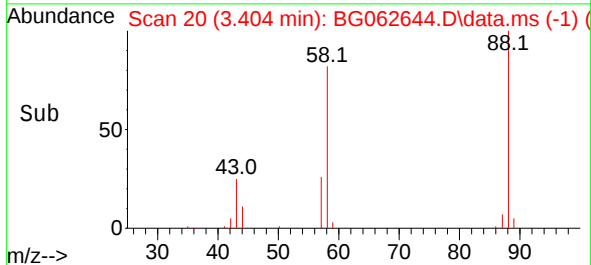
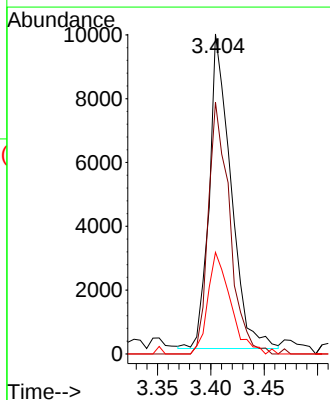
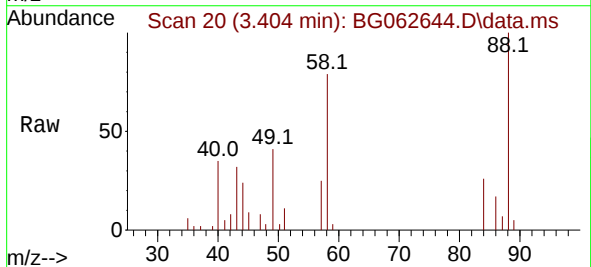
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

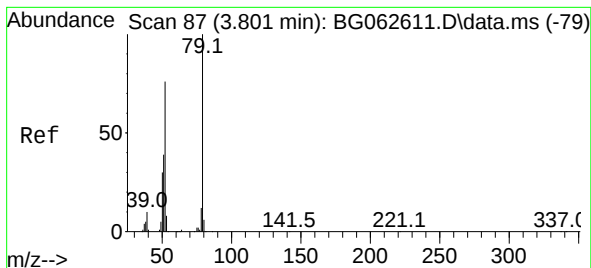
Tgt Ion:152 Resp: 46320
Ion Ratio Lower Upper
152 100
150 139.7 119.9 179.9
115 54.0 46.6 69.8



#2
1,4-Dioxane
Concen: 12.471 ng
RT: 3.404 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion: 88 Resp: 13922
Ion Ratio Lower Upper
88 100
58 78.6 62.3 93.5
43 34.1 27.5 41.3





#3

Pyridine

Concen: 10.615 ng

RT: 3.804 min Scan# 80

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

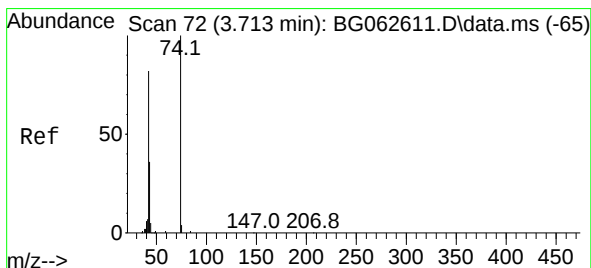
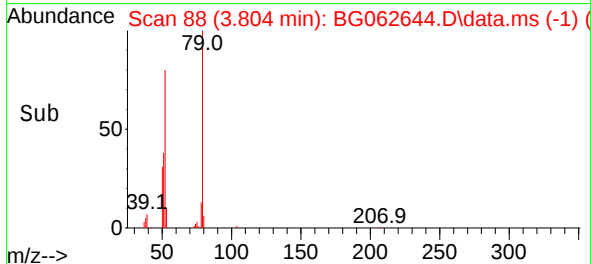
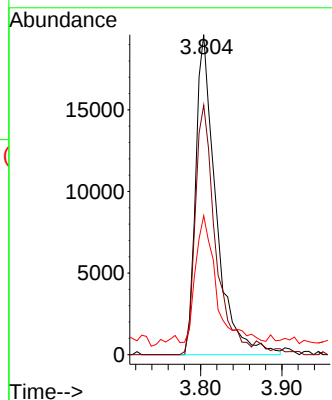
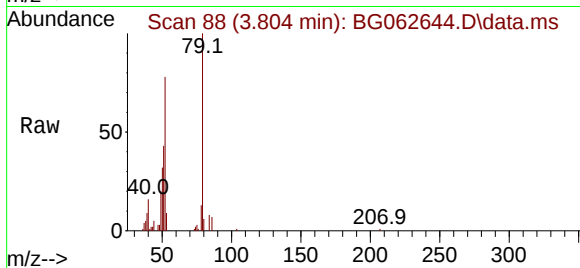
Tgt Ion: 79 Resp: 34143

Ion Ratio Lower Upper

79 100

52 78.0 60.9 91.3

51 43.4 31.5 47.3



#4

n-Nitrosodimethylamine

Concen: 10.878 ng

RT: 3.716 min Scan# 73

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

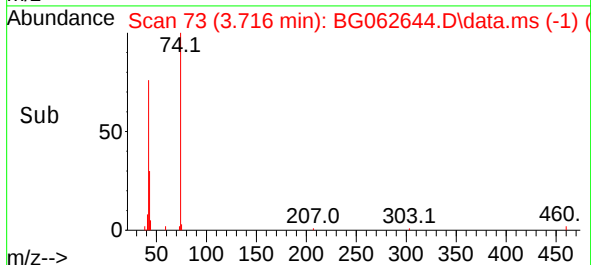
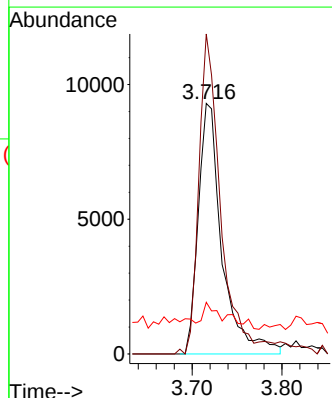
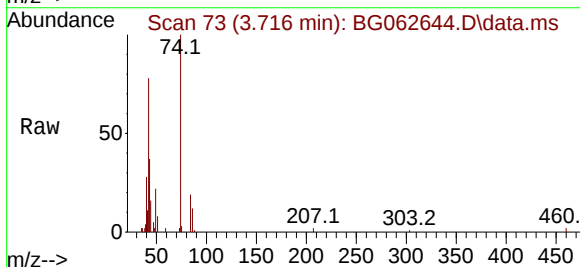
Tgt Ion: 42 Resp: 17010

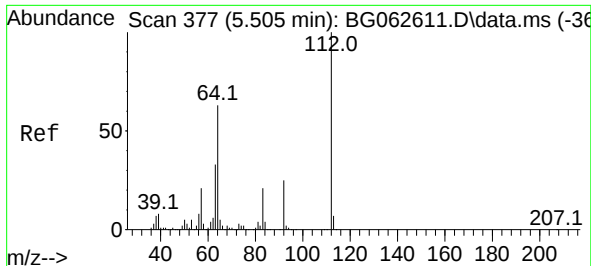
Ion Ratio Lower Upper

42 100

74 127.7 98.0 147.0

44 20.6 7.4 11.2#

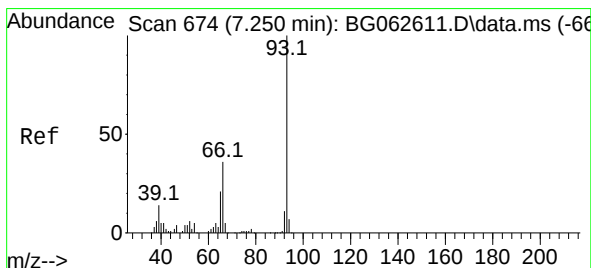
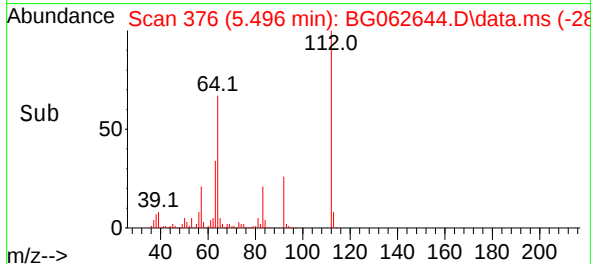
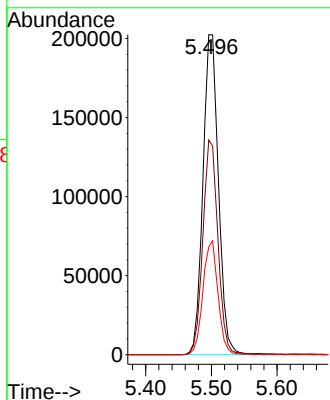
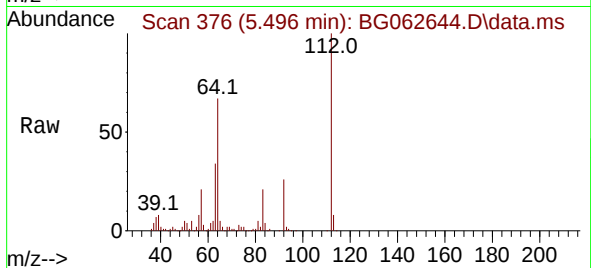




#5
2-Fluorophenol
Concen: 124.684 ng
RT: 5.496 min Scan# 376
Delta R.T. -0.009 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

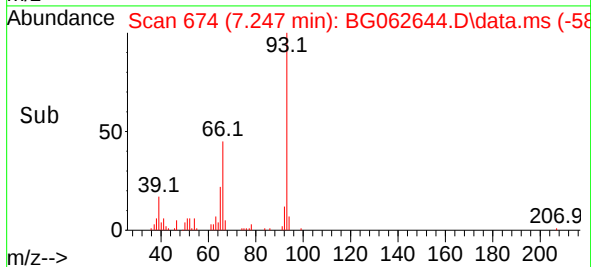
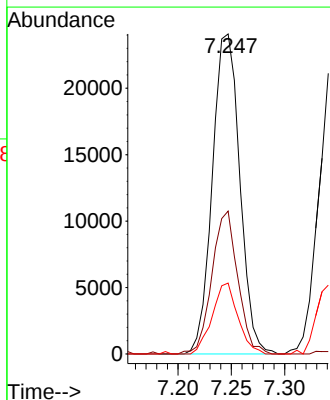
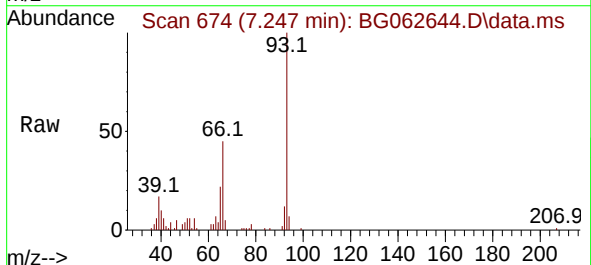
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

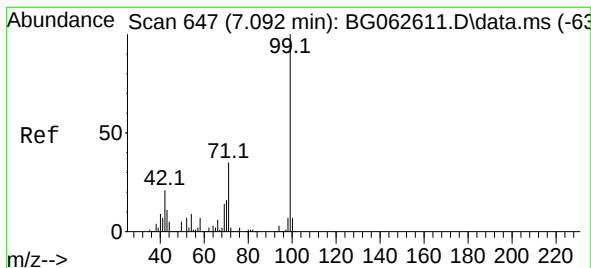
Tgt Ion:112 Resp: 334119
Ion Ratio Lower Upper
112 100
64 67.1 50.2 75.2
63 33.7 26.6 39.8



#6
Aniline
Concen: 11.891 ng
RT: 7.247 min Scan# 674
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion: 93 Resp: 43009
Ion Ratio Lower Upper
93 100
66 44.7 29.1 43.7#
65 22.2 16.6 25.0





#7

Phenol-d6

Concen: 120.940 ng

RT: 7.082 min Scan# 647

Delta R.T. -0.009 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

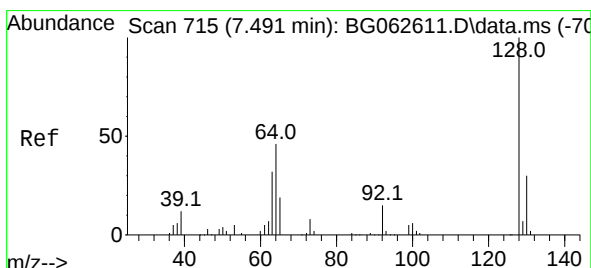
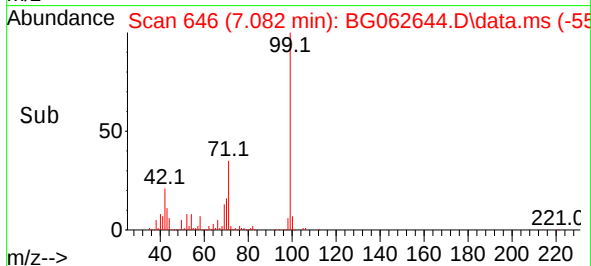
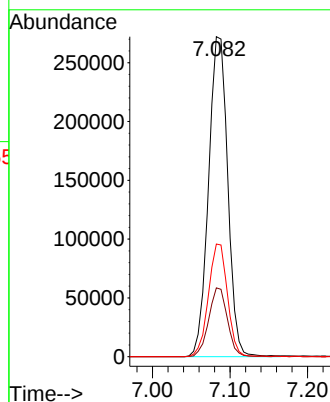
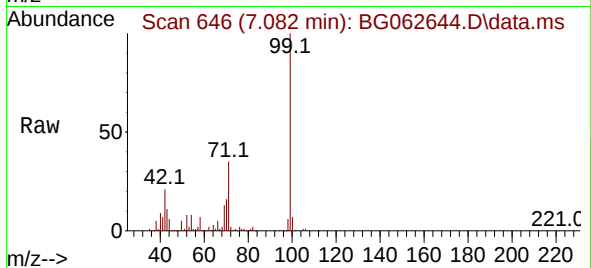
Tgt Ion: 99 Resp: 468186

Ion Ratio Lower Upper

99 100

42 21.5 16.9 25.3

71 35.2 27.9 41.9



#8

2-Chlorophenol

Concen: 10.526 ng

RT: 7.488 min Scan# 715

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

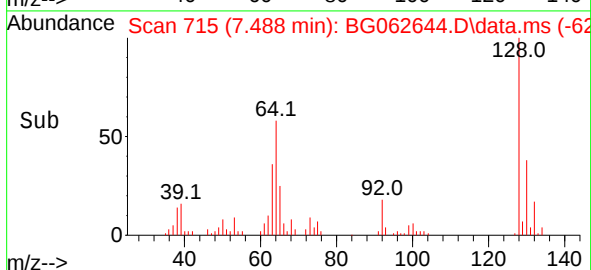
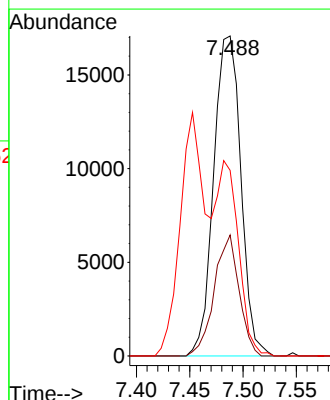
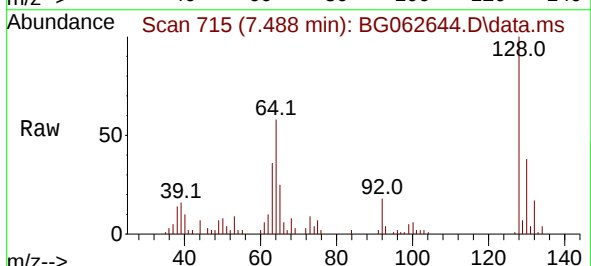
Tgt Ion:128 Resp: 30284

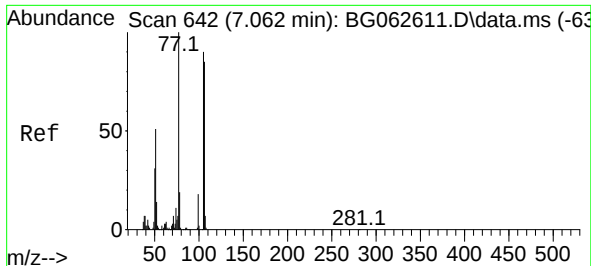
Ion Ratio Lower Upper

128 100

130 37.8 10.0 50.0

64 58.0 28.8 68.8

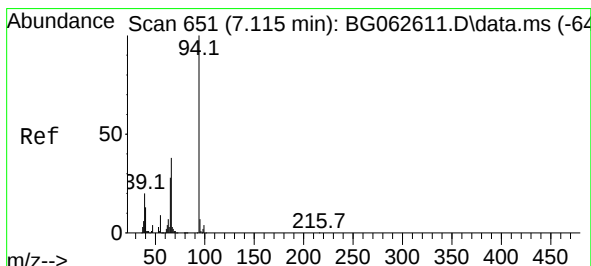
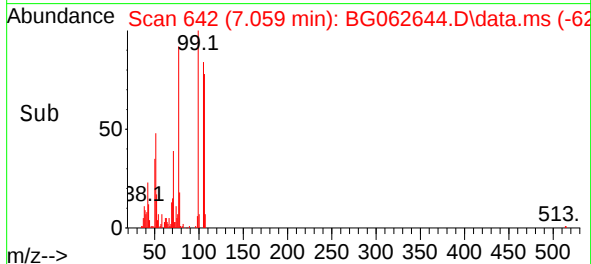
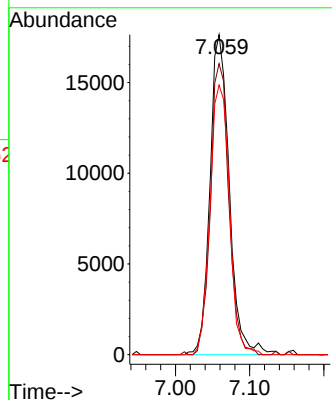
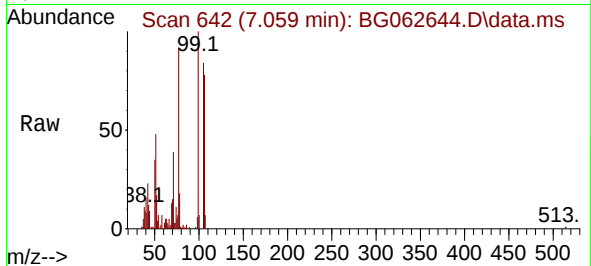




#9
Benzaldehyde
Concen: 14.208 ng
RT: 7.059 min Scan# 642
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

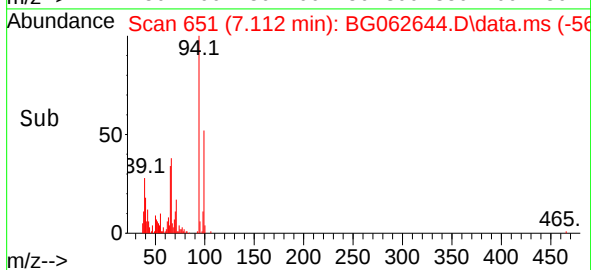
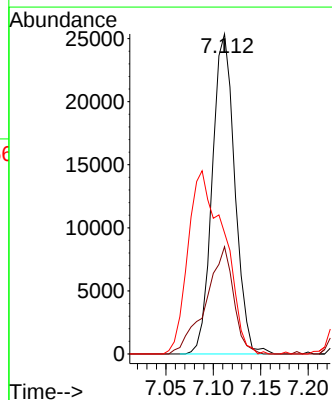
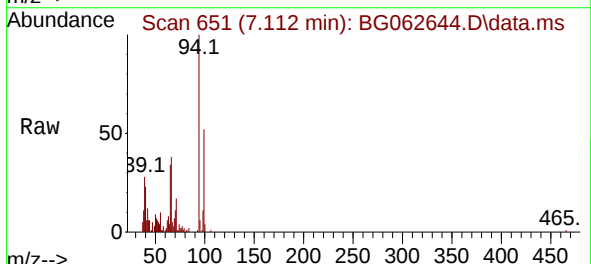
Instrument :
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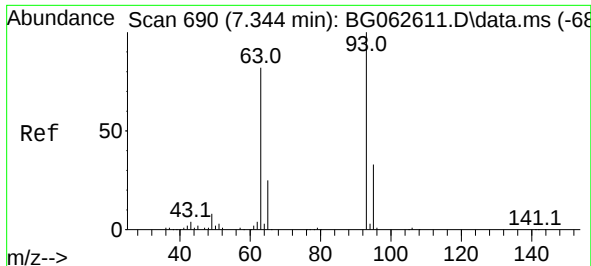
Tgt Ion: 77 Resp: 31995
Ion Ratio Lower Upper
77 100
105 90.9 70.2 110.2
106 84.3 65.4 105.4



#10
Phenol
Concen: 10.713 ng
RT: 7.112 min Scan# 651
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion: 94 Resp: 41985
Ion Ratio Lower Upper
94 100
65 33.5 8.6 48.6
66 37.8 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 10.311 ng

RT: 7.341 min Scan# 690

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

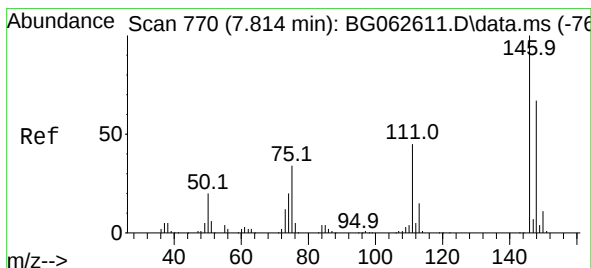
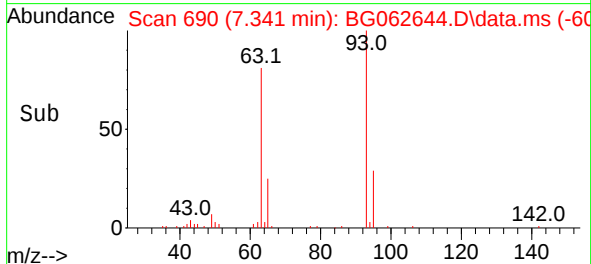
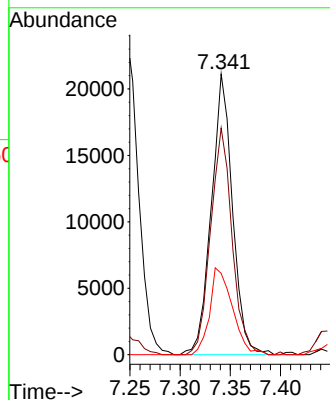
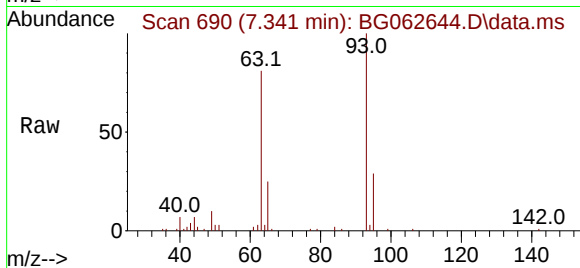
Tgt Ion: 93 Resp: 30938

Ion Ratio Lower Upper

93 100

63 80.8 61.9 101.9

95 29.0 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 10.771 ng

RT: 7.811 min Scan# 770

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

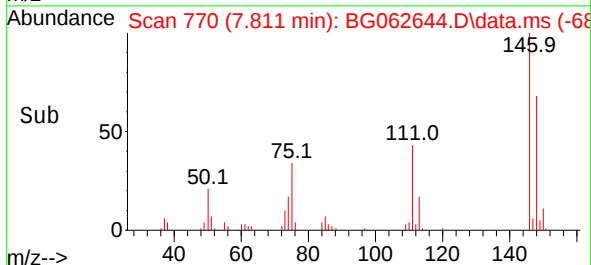
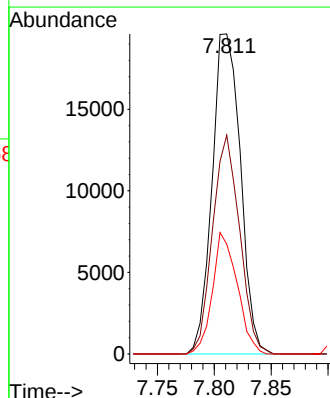
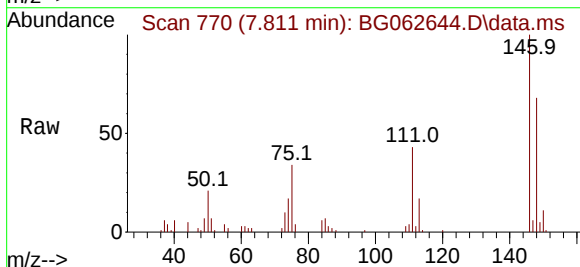
Tgt Ion:146 Resp: 34005

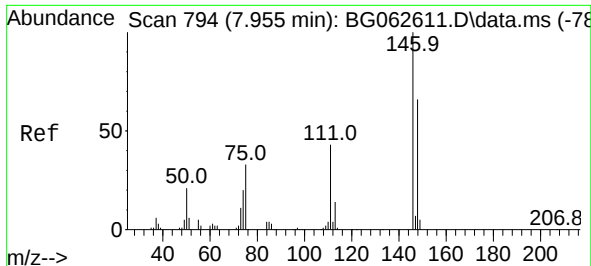
Ion Ratio Lower Upper

146 100

148 68.4 53.9 80.9

75 34.3 27.0 40.4





#13

1,4-Dichlorobenzene

Concen: 10.873 ng

RT: 7.958 min Scan# 794

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

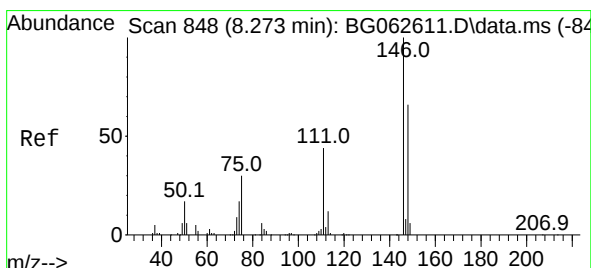
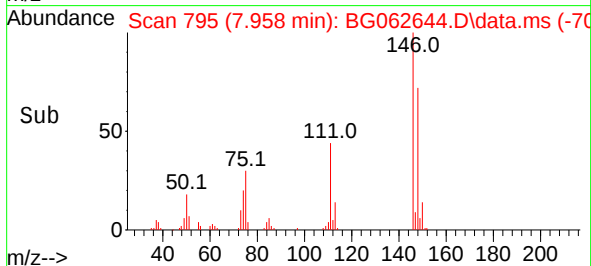
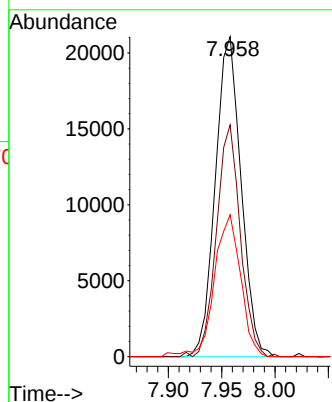
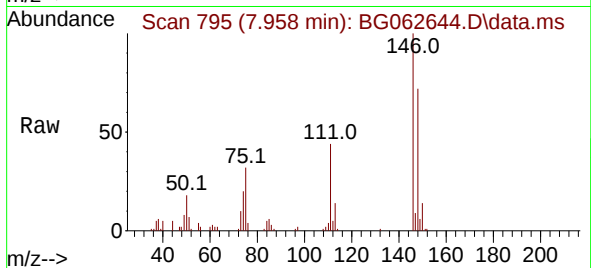
Tgt Ion:146 Resp: 35327

Ion Ratio Lower Upper

146 100

148 72.4 53.0 79.6

111 44.3 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 10.629 ng

RT: 8.275 min Scan# 849

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

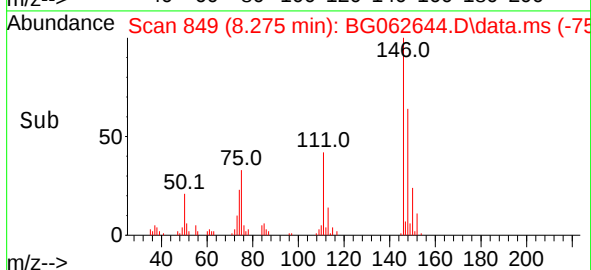
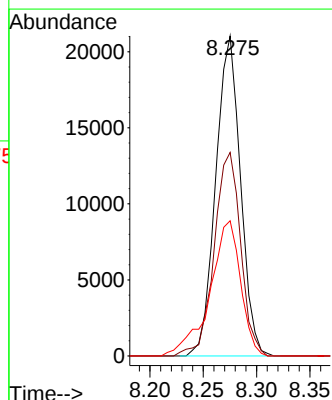
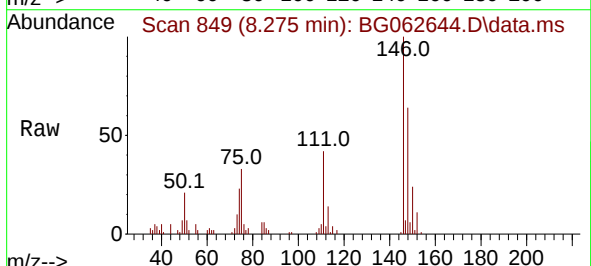
Tgt Ion:146 Resp: 33946

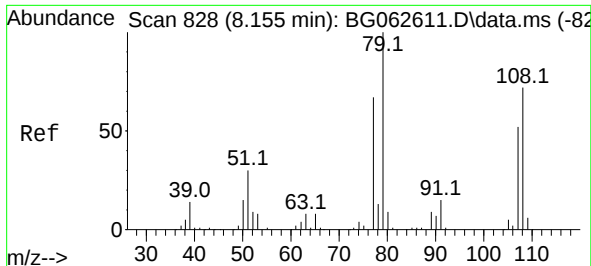
Ion Ratio Lower Upper

146 100

148 63.6 52.5 78.7

111 42.2 35.5 53.3

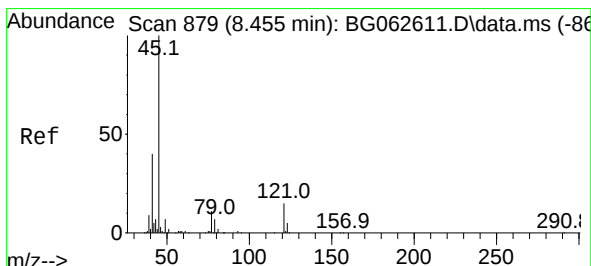
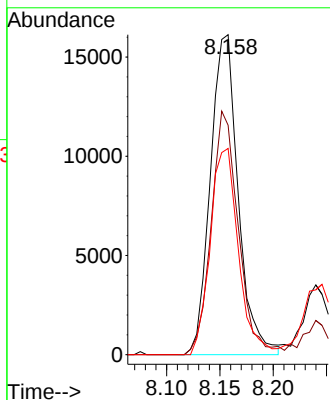
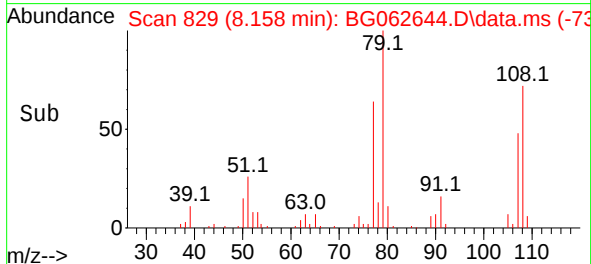
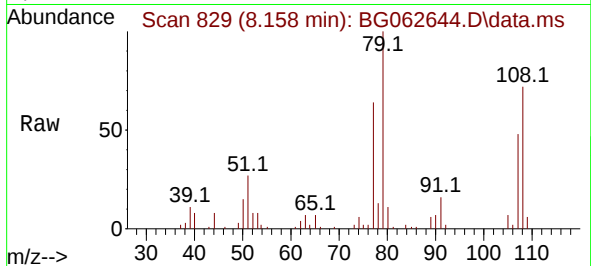




#15
Benzyl Alcohol
Concen: 10.208 ng
RT: 8.158 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

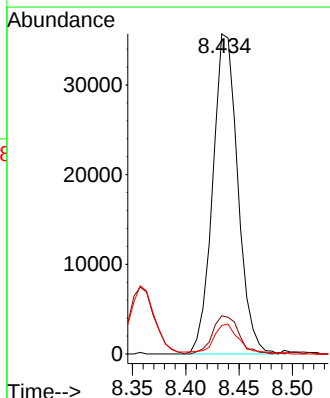
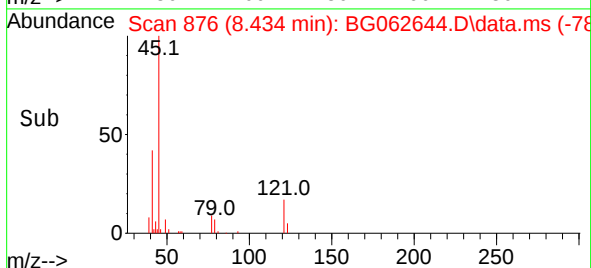
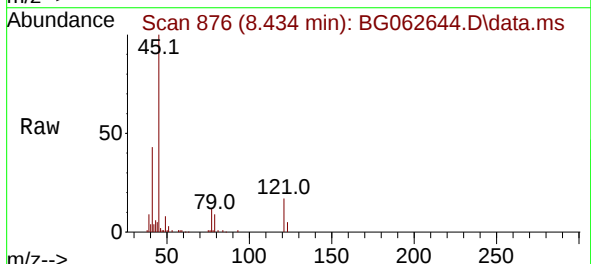
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

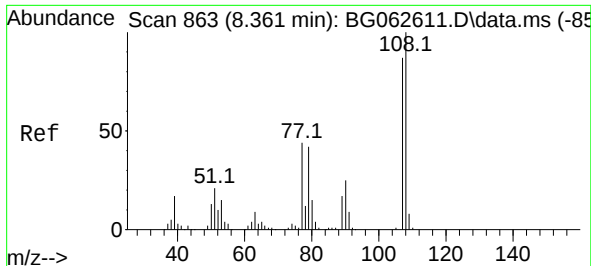
Tgt Ion: 79 Resp: 29240
Ion Ratio Lower Upper
79 100
108 71.7 57.9 86.9
77 64.4 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.220 ng
RT: 8.434 min Scan# 876
Delta R.T. -0.021 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

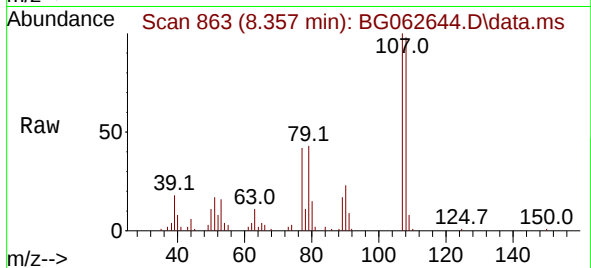
Tgt Ion: 45 Resp: 58445
Ion Ratio Lower Upper
45 100
77 11.9 0.0 31.7
79 8.9 0.0 28.3



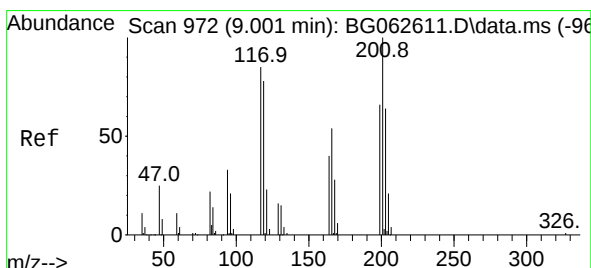
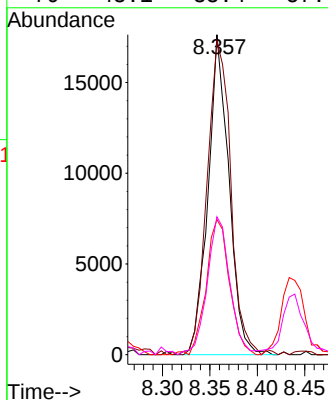
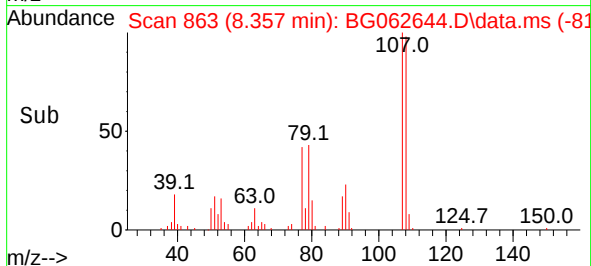


#17
2-Methylphenol
Concen: 9.946 ng
RT: 8.357 min Scan# 863
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

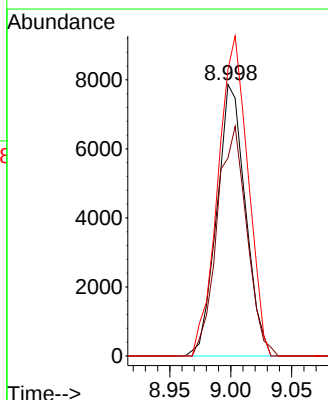
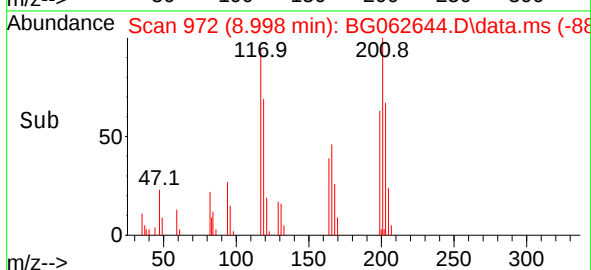
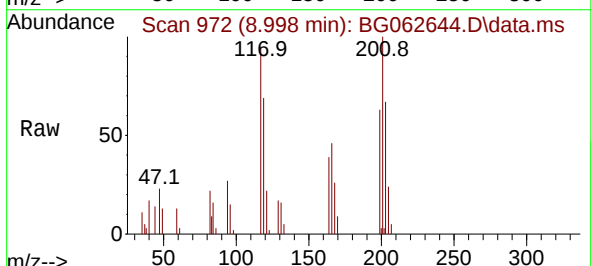


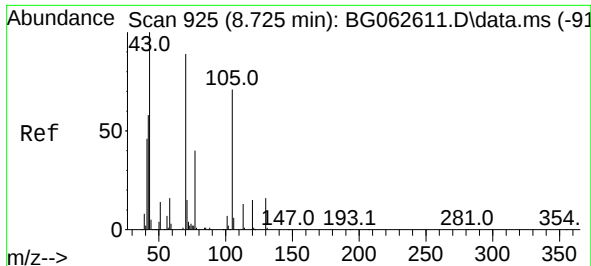
Tgt Ion:	107	Resp:	27171
Ion	Ratio	Lower	Upper
107	100		
108	98.1	91.5	137.3
77	42.3	40.0	60.0
79	43.1	38.4	57.6



#18
Hexachloroethane
Concen: 10.526 ng
RT: 8.998 min Scan# 972
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:	117	Resp:	12824
Ion	Ratio	Lower	Upper
117	100		
119	72.9	73.4	110.0#
201	105.5	93.9	140.9



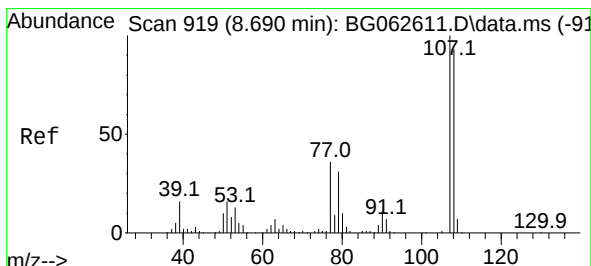
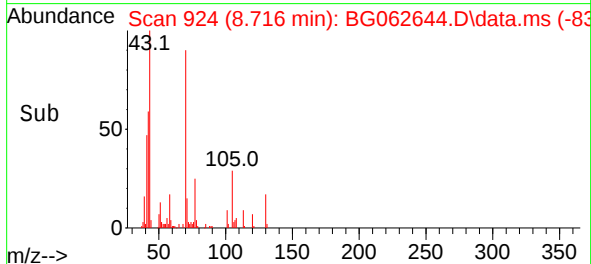
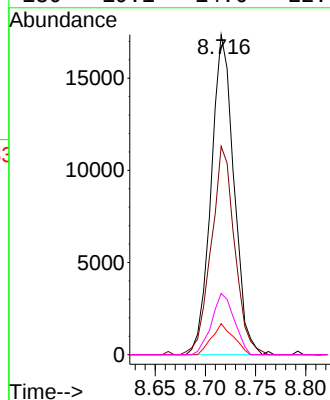
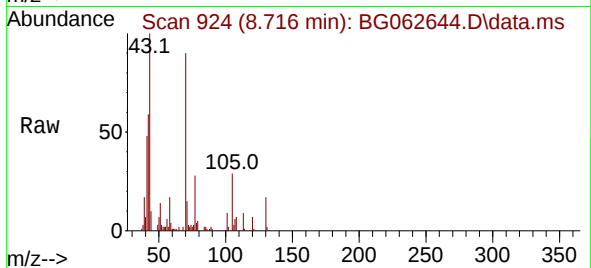


#19
n-Nitroso-di-n-propylamine
Concen: 8.987 ng
RT: 8.716 min Scan# 918
Delta R.T. -0.009 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion: 70 Resp: 27414

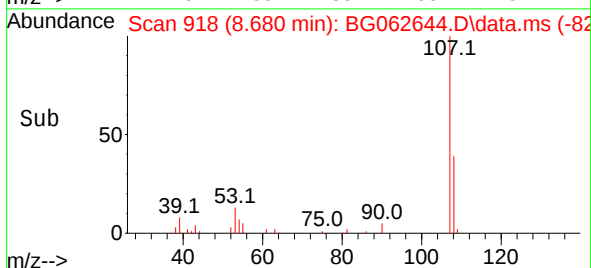
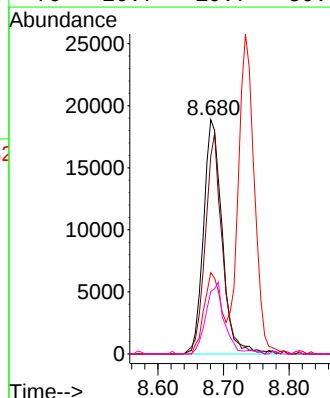
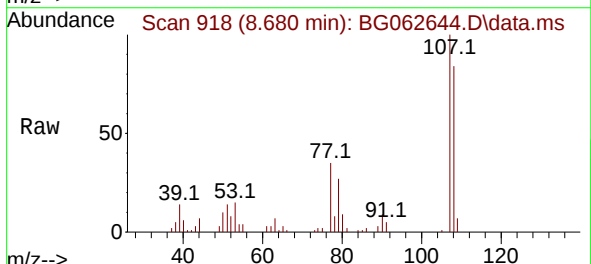
Ion	Ratio	Lower	Upper
70	100		
42	65.1	52.3	78.5
101	9.7	6.6	9.8
130	19.1	14.6	22.0

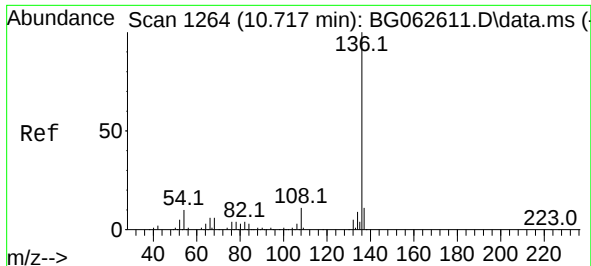


#20
3+4-Methylphenols
Concen: 9.255 ng
RT: 8.680 min Scan# 918
Delta R.T. -0.009 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion: 107 Resp: 37301

Ion	Ratio	Lower	Upper
107	100		
108	84.2	72.7	112.7
77	34.7	16.5	56.5
79	26.7	10.7	50.7

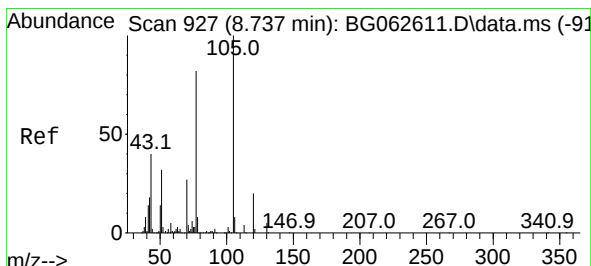
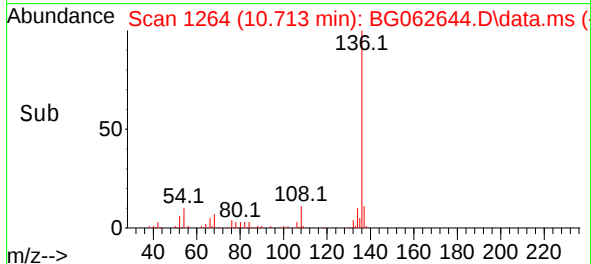
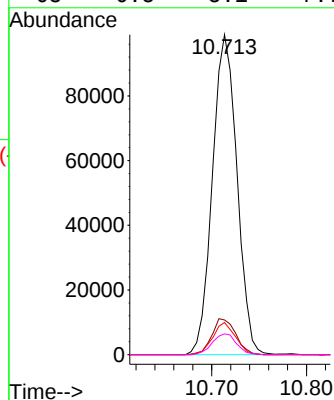
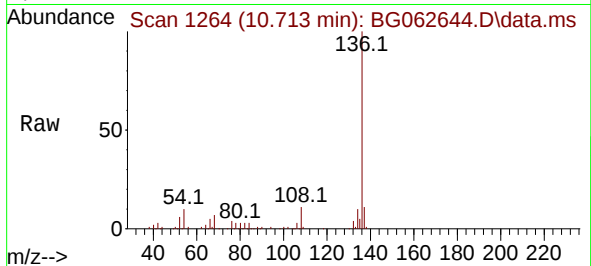




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.713 min Scan# 1264
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

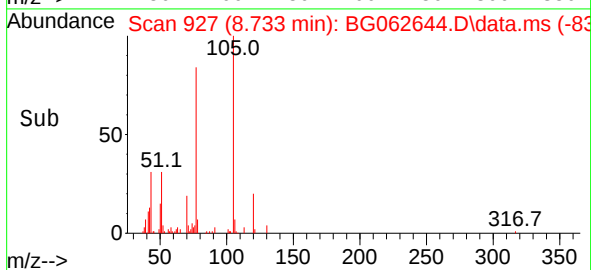
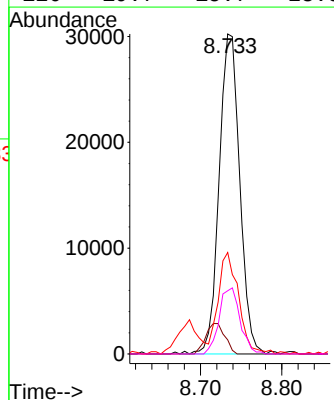
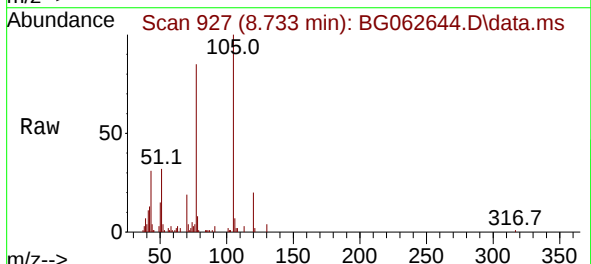
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2024

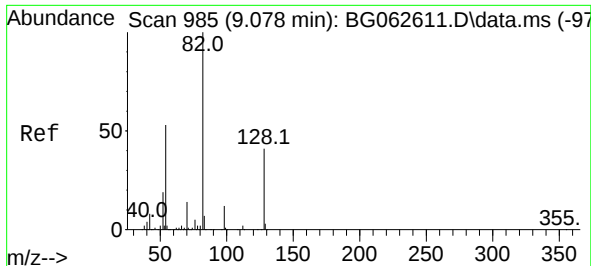
Tgt Ion:136	Resp: 177909
Ion Ratio	Lower Upper
136 100	
137 10.9	9.0 13.4
54 10.1	7.8 11.6
68 6.5	5.1 7.7



#22
Acetophenone
Concen: 11.120 ng
RT: 8.733 min Scan# 927
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:105	Resp: 53370
Ion Ratio	Lower Upper
105 100	
71 4.4	3.5 5.3
51 31.7	25.7 38.5
120 19.7	15.7 23.5





#23

Nitrobenzene-d5

Concen: 97.742 ng

RT: 9.074 min Scan# 90

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

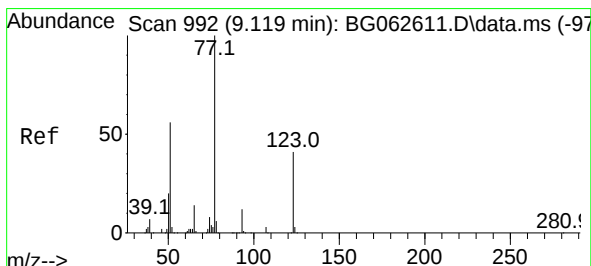
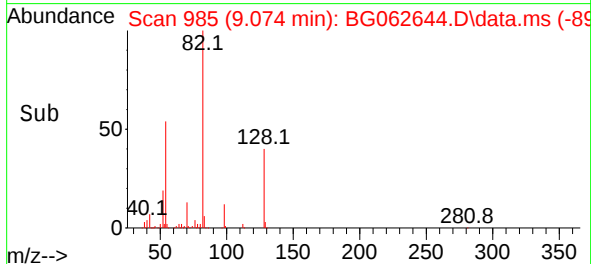
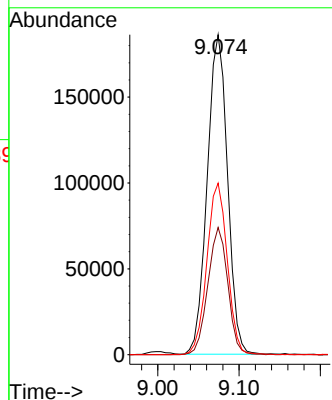
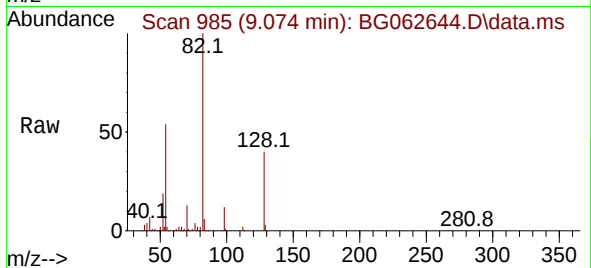
Tgt Ion: 82 Resp: 322880

Ion Ratio Lower Upper

82 100

128 39.8 32.5 48.7

54 53.6 42.5 63.7



#24

Nitrobenzene

Concen: 11.310 ng

RT: 9.115 min Scan# 992

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

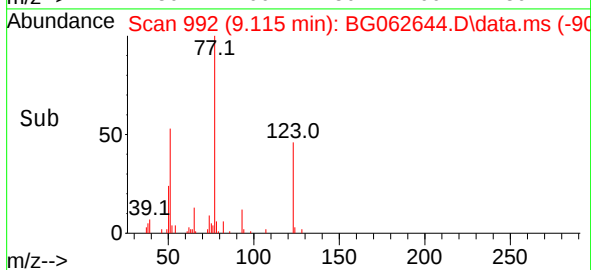
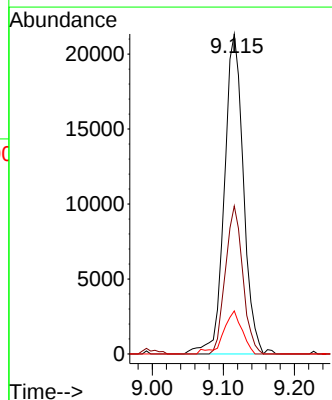
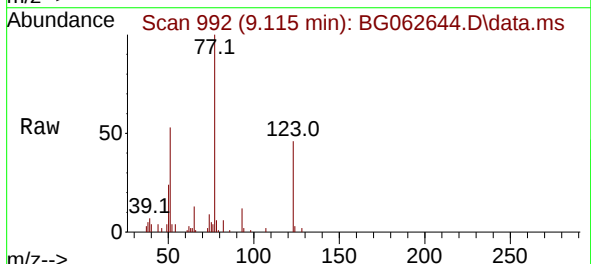
Tgt Ion: 77 Resp: 39724

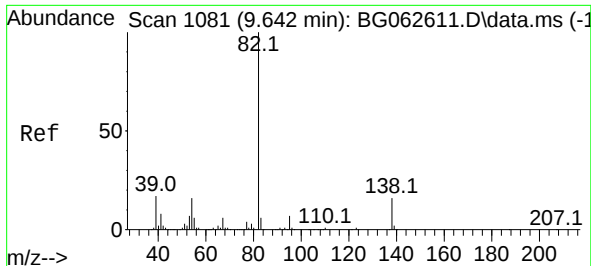
Ion Ratio Lower Upper

77 100

123 46.3 33.1 49.7

65 13.4 11.0 16.4





#25

Isophorone

Concen: 10.632 ng

RT: 9.632 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

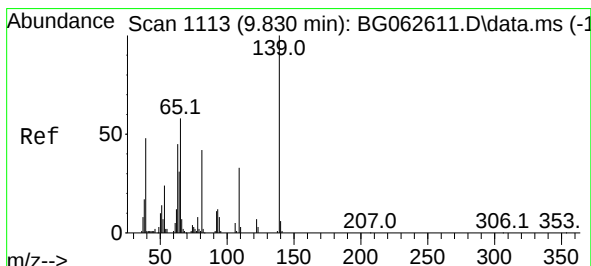
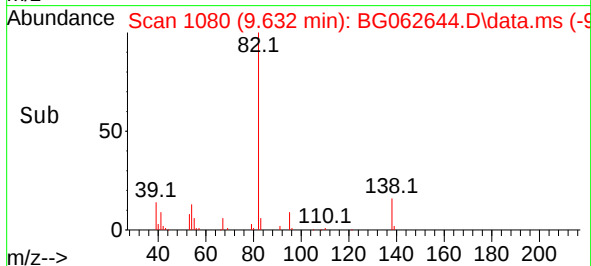
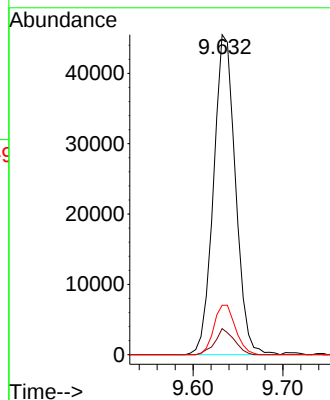
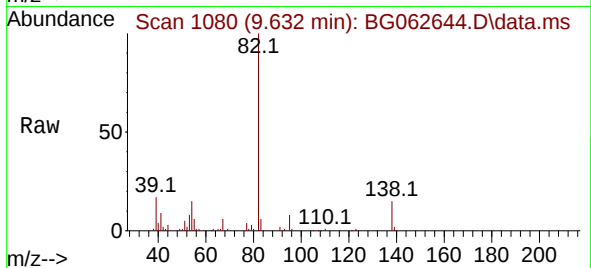
Tgt Ion: 82 Resp: 77094

Ion Ratio Lower Upper

82 100

95 8.2 5.4 8.0#

138 15.5 12.6 18.8



#26

2-Nitrophenol

Concen: 11.676 ng

RT: 9.832 min Scan# 1114

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

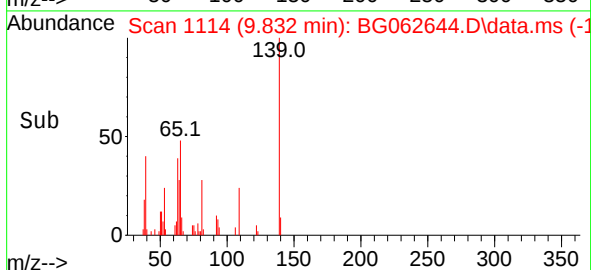
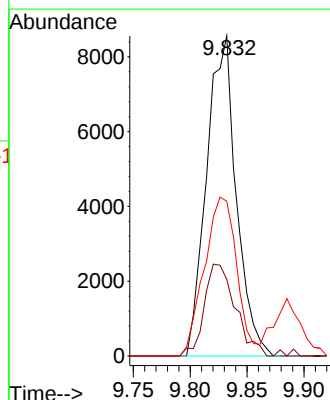
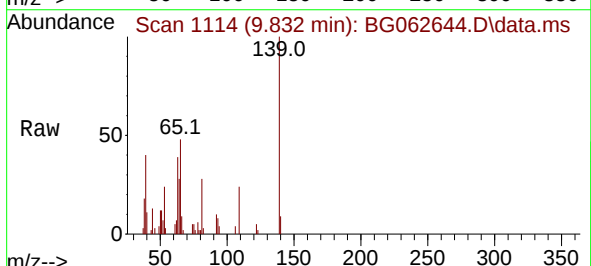
Tgt Ion:139 Resp: 15496

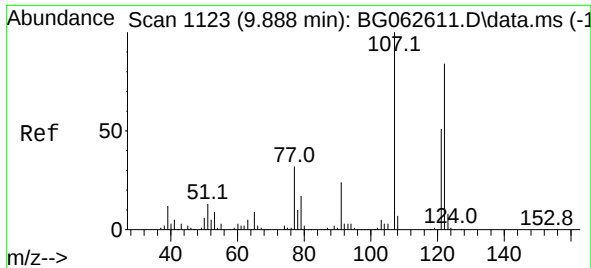
Ion Ratio Lower Upper

139 100

109 23.9 26.6 39.8#

65 48.3 46.5 69.7





#27

2,4-Dimethylphenol

Concen: 11.951 ng

RT: 9.891 min Scan# 1123

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

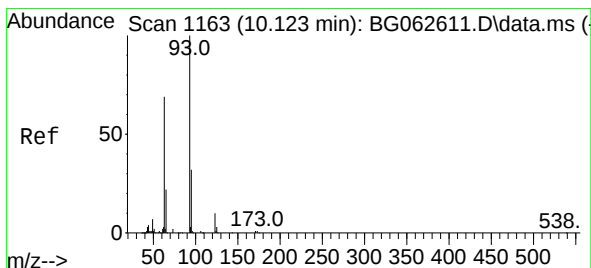
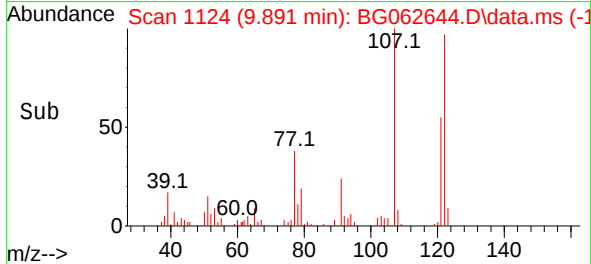
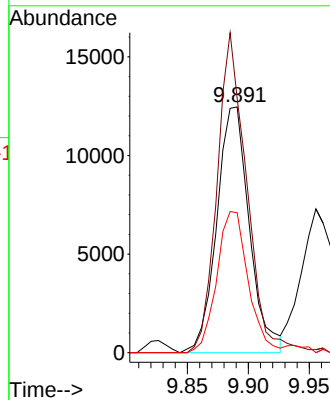
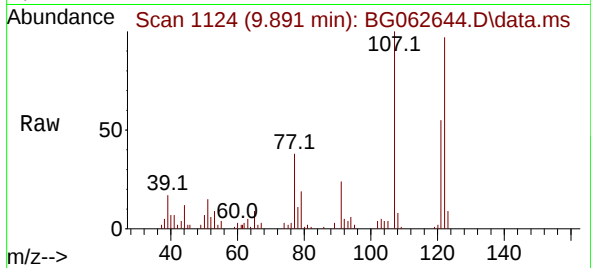
Tgt Ion:122 Resp: 23240

Ion Ratio Lower Upper

122 100

107 103.4 95.8 143.6

121 57.0 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 11.241 ng

RT: 10.120 min Scan# 1163

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

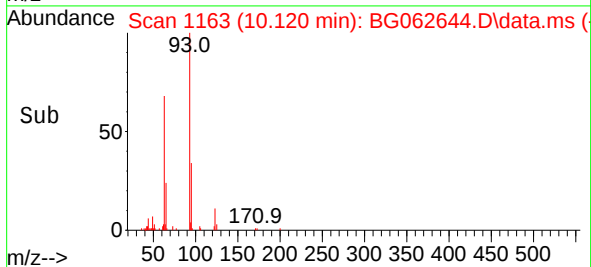
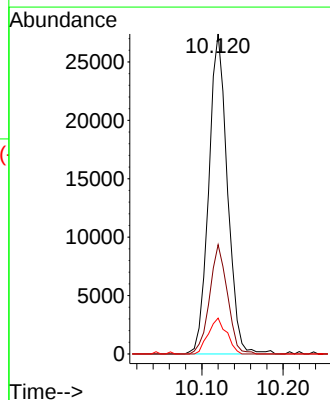
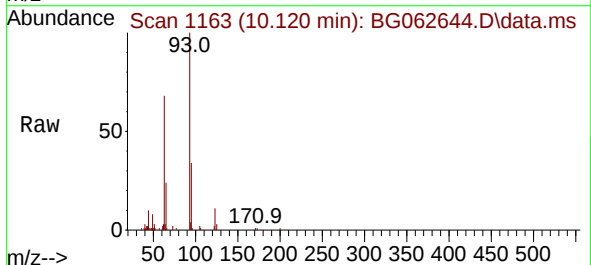
Tgt Ion: 93 Resp: 43637

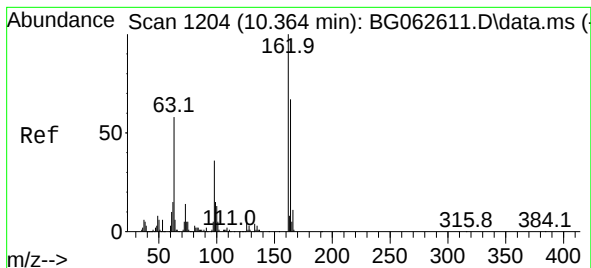
Ion Ratio Lower Upper

93 100

95 34.2 25.4 38.0

123 11.2 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 11.436 ng

RT: 10.361 min Scan# 1204

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

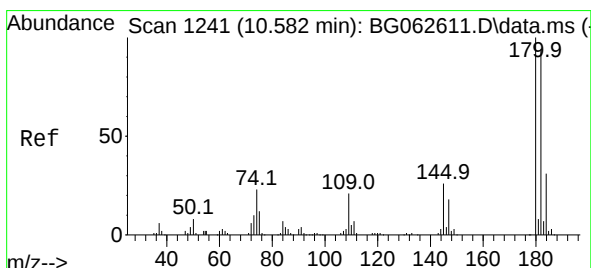
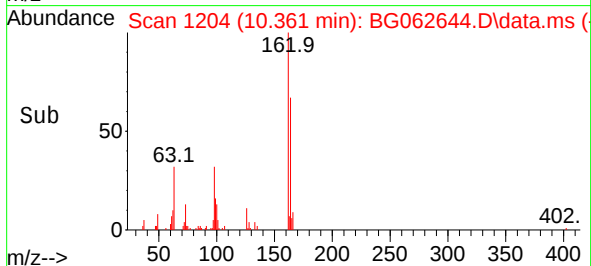
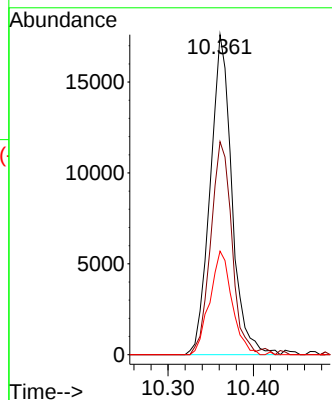
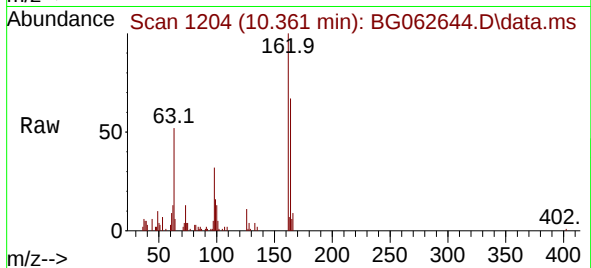
Tgt Ion:162 Resp: 31092

Ion Ratio Lower Upper

162 100

164 66.6 46.8 86.8

98 32.4 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 11.768 ng

RT: 10.578 min Scan# 1241

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

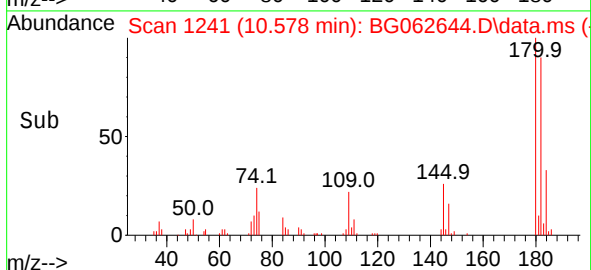
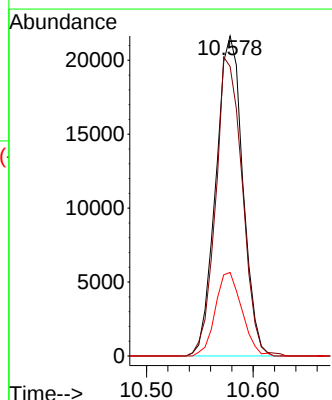
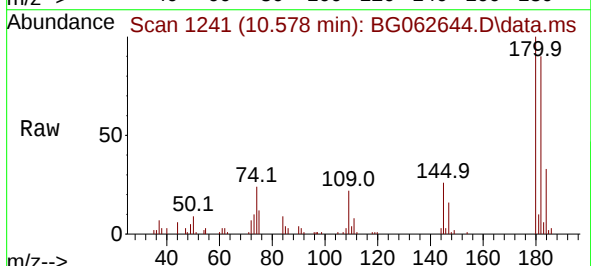
Tgt Ion:180 Resp: 37930

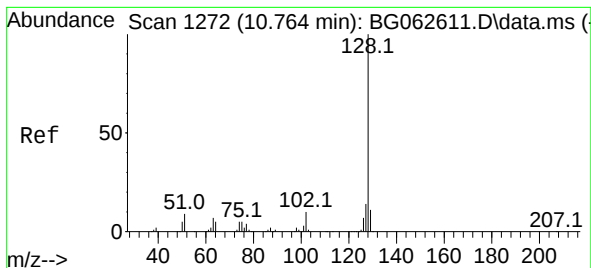
Ion Ratio Lower Upper

180 100

182 90.4 75.1 112.7

145 26.1 20.8 31.2





#31

Naphthalene

Concen: 11.480 ng

RT: 10.760 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

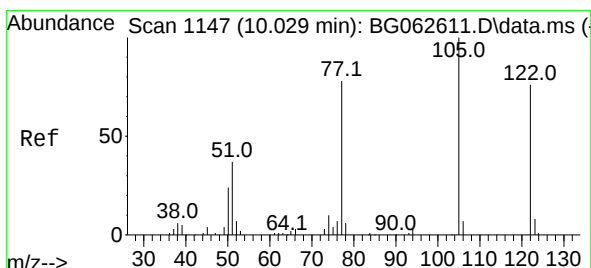
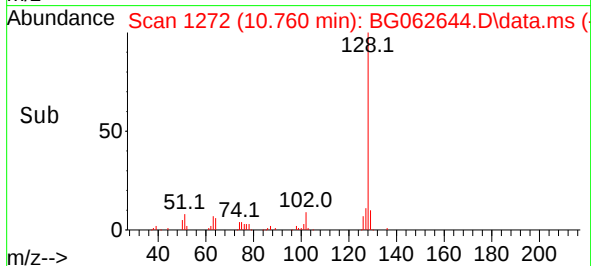
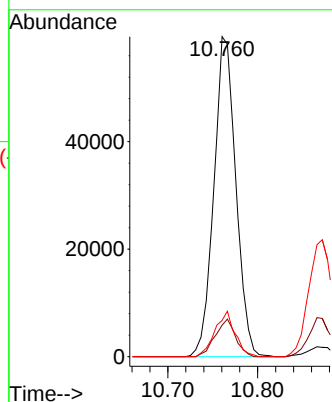
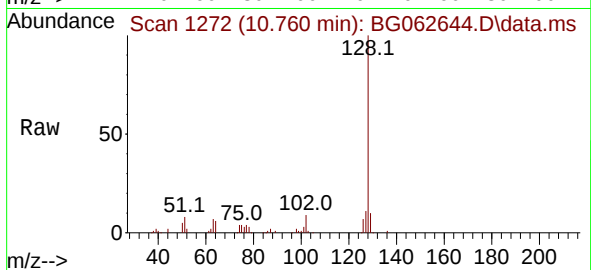
Tgt Ion:128 Resp: 101232

Ion Ratio Lower Upper

128 100

129 9.9 8.8 13.2

127 11.3 11.3 16.9



#32

Benzoic acid

Concen: 7.355 ng

RT: 9.955 min Scan# 1135

Delta R.T. -0.074 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

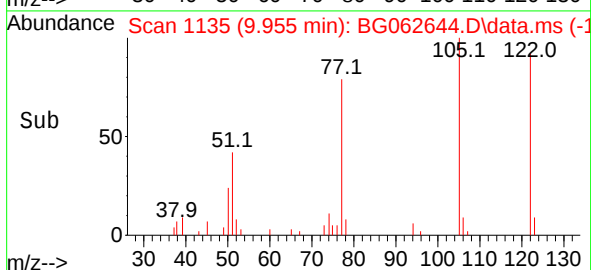
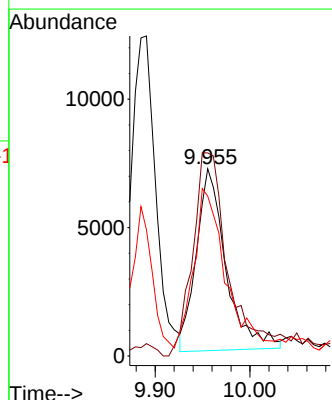
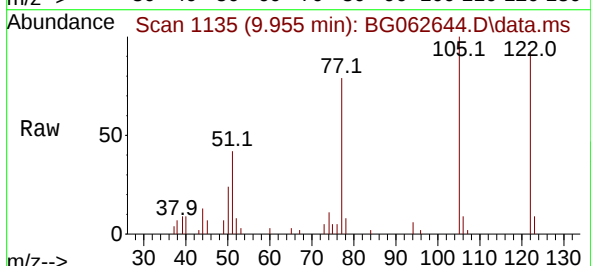
Tgt Ion:122 Resp: 15383

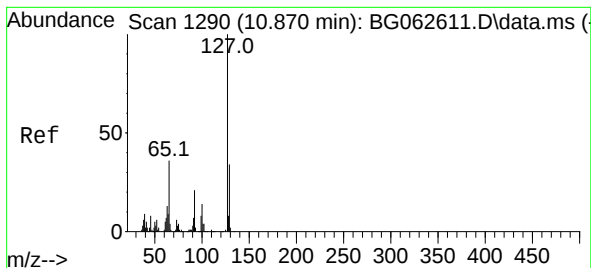
Ion Ratio Lower Upper

122 100

105 108.4 105.7 145.7

77 85.3 79.9 119.9





#33

4-Chloroaniline

Concen: 11.863 ng

RT: 10.872 min Scan# 1291

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:127 Resp: 41166

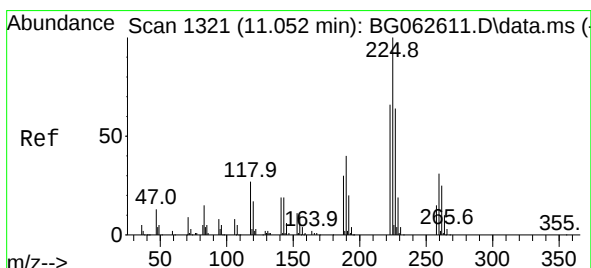
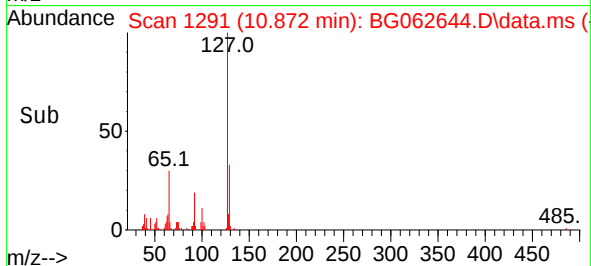
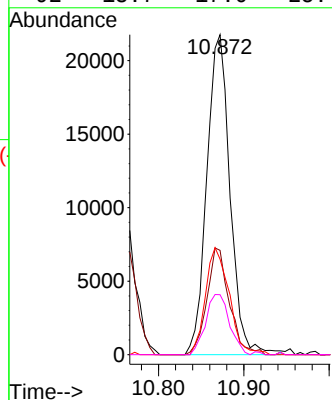
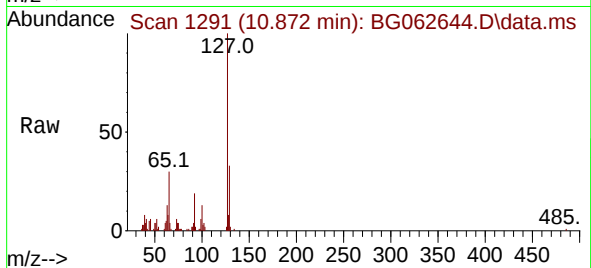
Ion Ratio Lower Upper

127 100

129 32.6 27.3 40.9

65 29.9 29.0 43.4

92 18.7 17.0 25.4



#34

Hexachlorobutadiene

Concen: 11.430 ng

RT: 11.048 min Scan# 1321

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

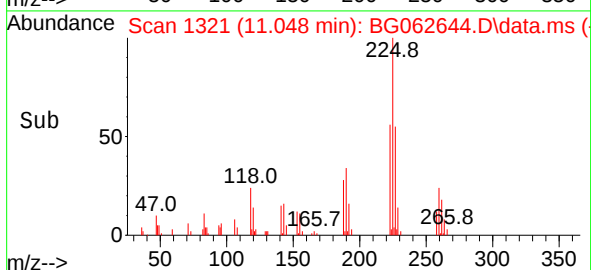
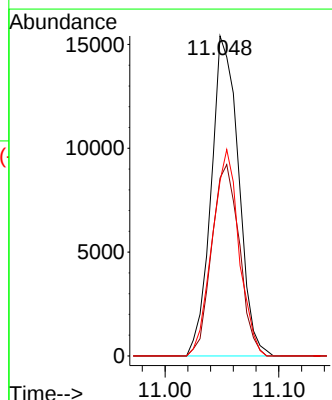
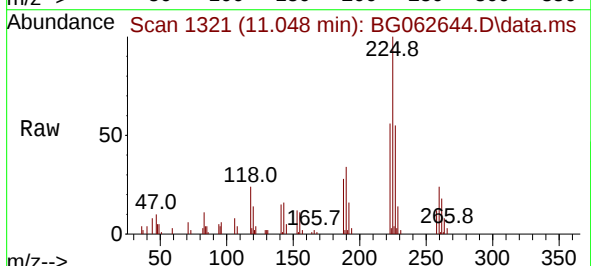
Tgt Ion:225 Resp: 25730

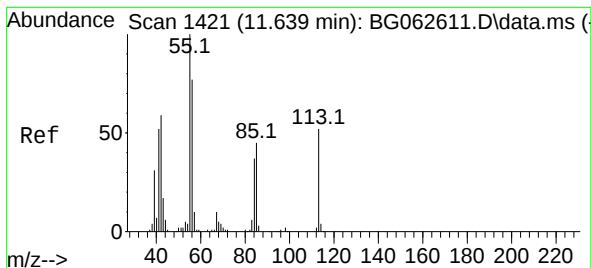
Ion Ratio Lower Upper

225 100

223 55.6 50.1 75.1

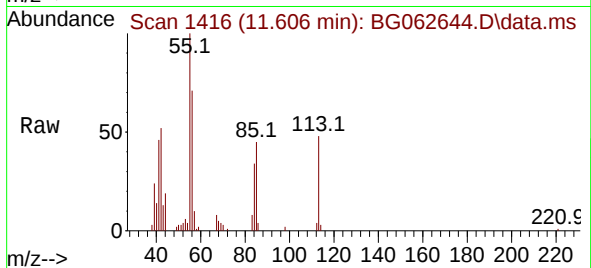
227 54.6 48.9 73.3



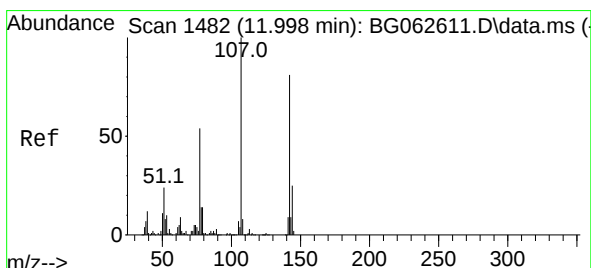
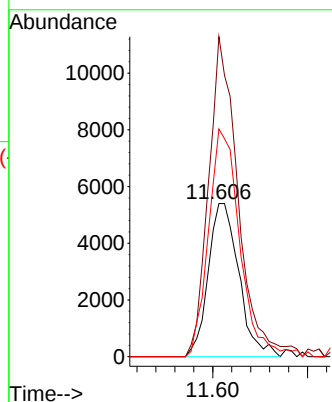
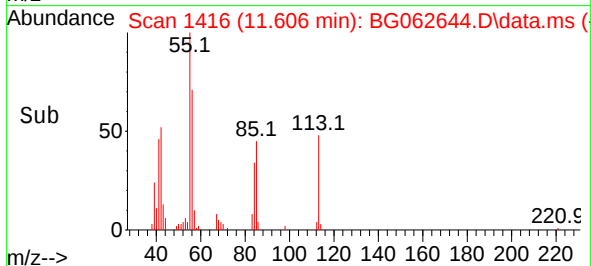


#35
Caprolactam
Concen: 11.544 ng
RT: 11.606 min Scan# 1416
Delta R.T. -0.033 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

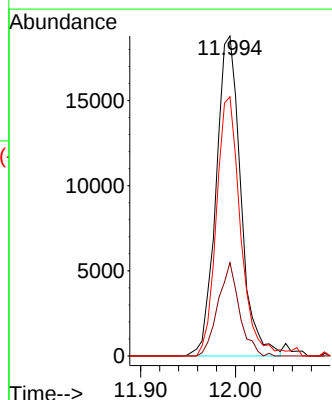
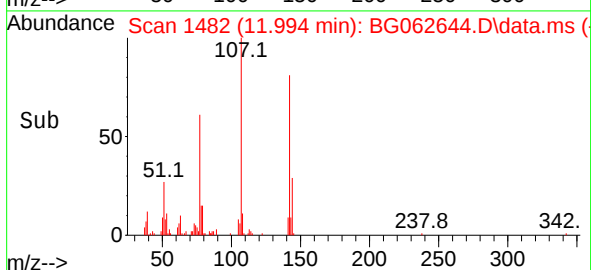
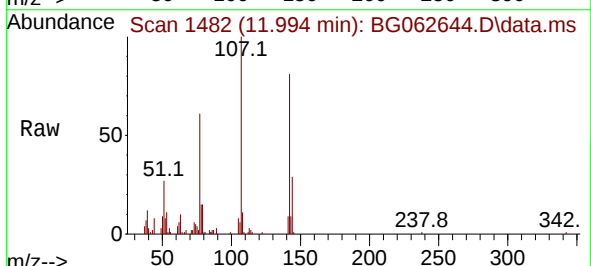


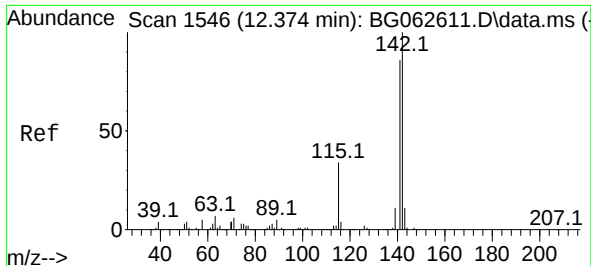
Tgt Ion:113 Resp: 12100
Ion Ratio Lower Upper
113 100
55 208.9 174.1 214.1
56 148.6 129.8 169.8



#36
4-Chloro-3-methylphenol
Concen: 10.382 ng
RT: 11.994 min Scan# 1482
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:107 Resp: 34050
Ion Ratio Lower Upper
107 100
144 29.2 19.8 29.8
142 81.0 64.7 97.1

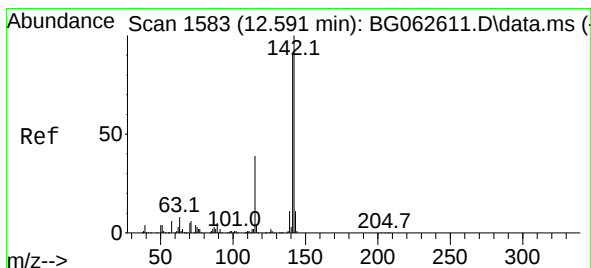
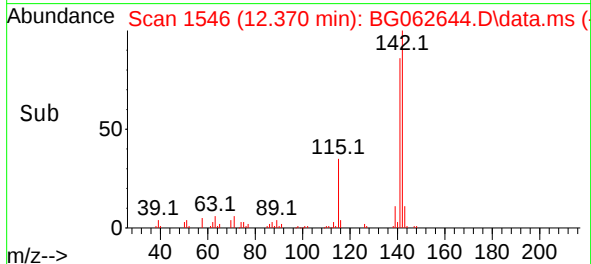
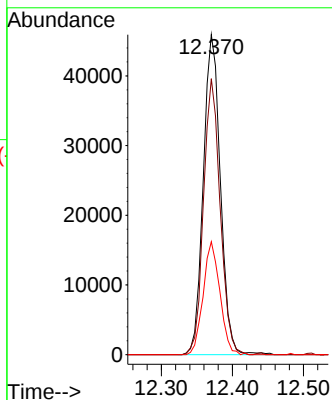
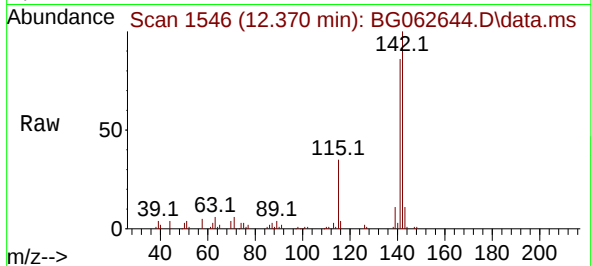




#37
2-Methylnaphthalene
Concen: 11.255 ng
RT: 12.370 min Scan# 1546
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

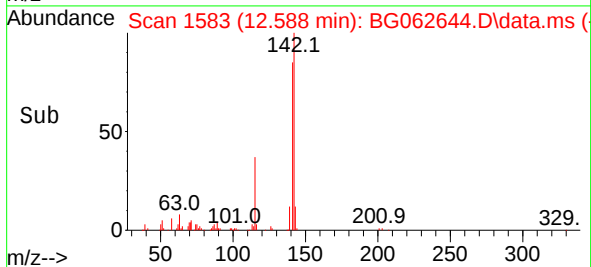
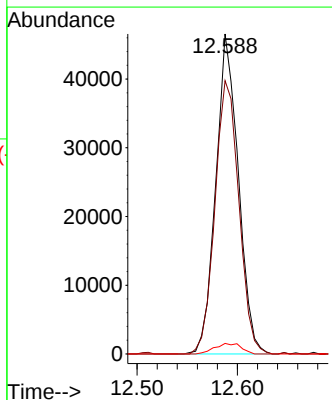
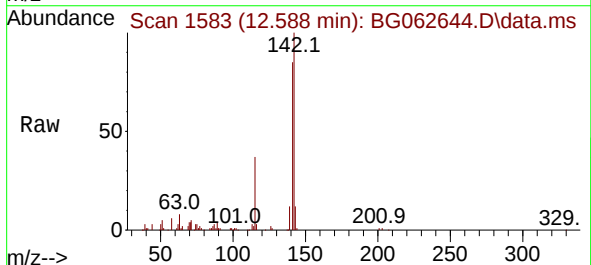
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

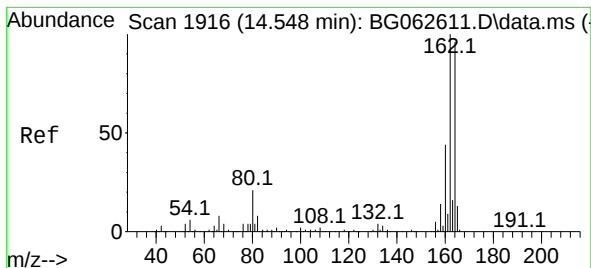
Tgt Ion:	142	Resp:	76980
Ion Ratio	Lower	Upper	
142	100		
141	86.3	68.9	103.3
115	35.3	27.5	41.3



#38
1-Methylnaphthalene
Concen: 10.548 ng
RT: 12.588 min Scan# 1583
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:	142	Resp:	72442
Ion Ratio	Lower	Upper	
142	100		
141	85.4	73.0	109.4
116	3.3	3.2	4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.544 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG062644.D

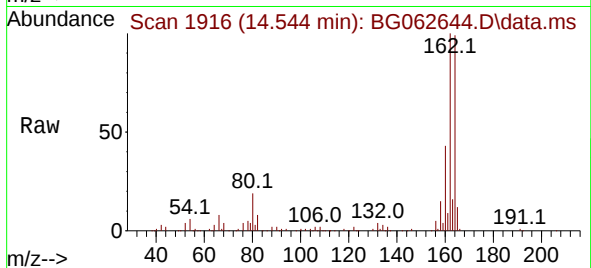
Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



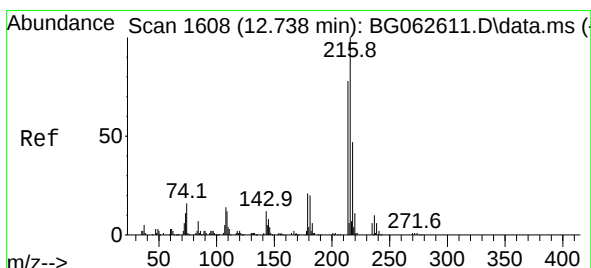
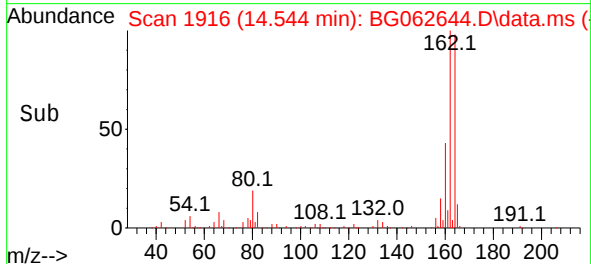
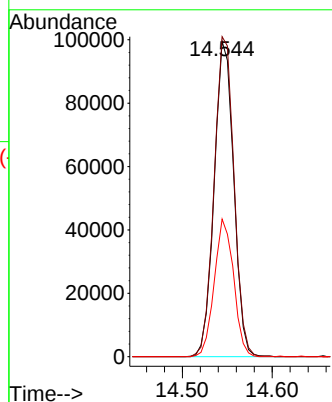
Tgt Ion:164 Resp: 150122

Ion Ratio Lower Upper

164 100

162 101.5 83.1 124.7

160 43.6 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 11.724 ng

RT: 12.740 min Scan# 1609

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Tgt Ion:216 Resp: 52930

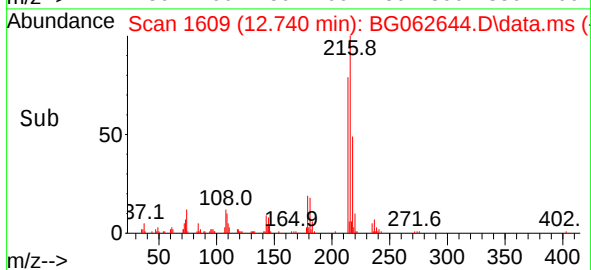
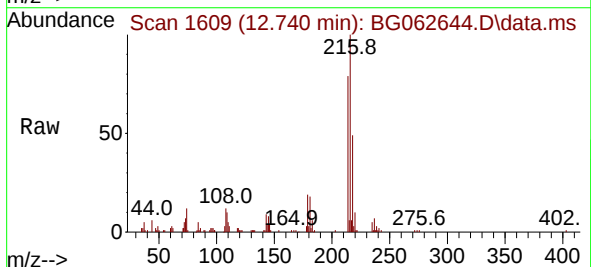
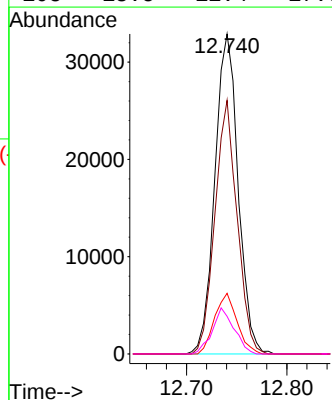
Ion Ratio Lower Upper

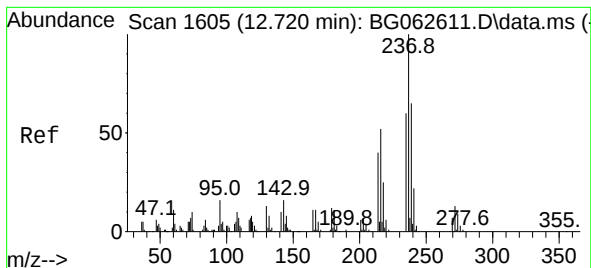
216 100

214 75.4 61.6 92.4

179 18.4 15.9 23.9

108 13.5 11.4 17.0

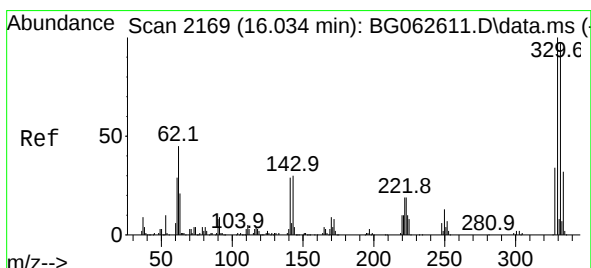
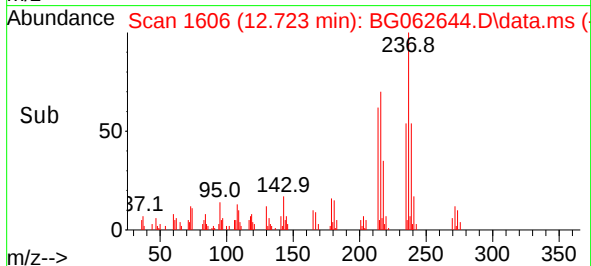
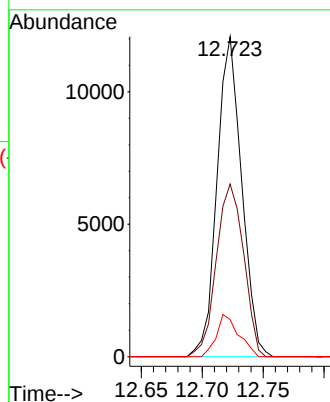
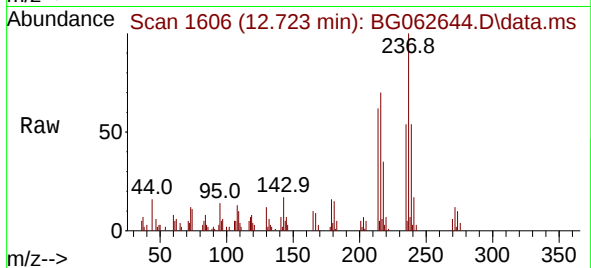




#41
Hexachlorocyclopentadiene
Concen: 13.199 ng
RT: 12.723 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

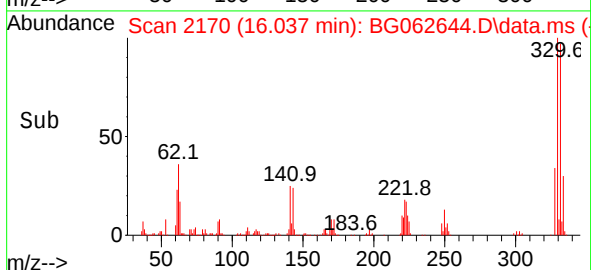
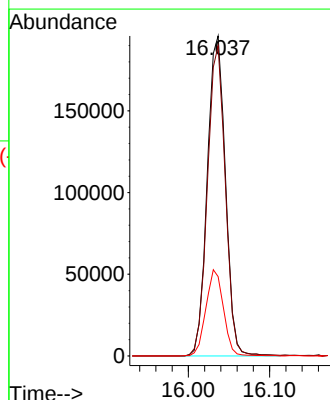
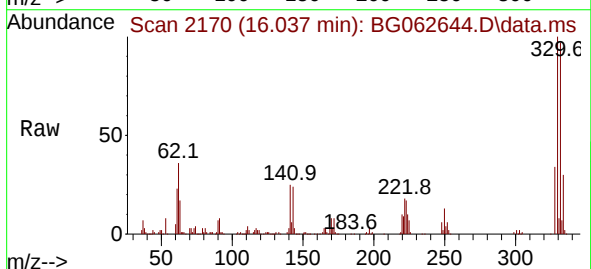
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

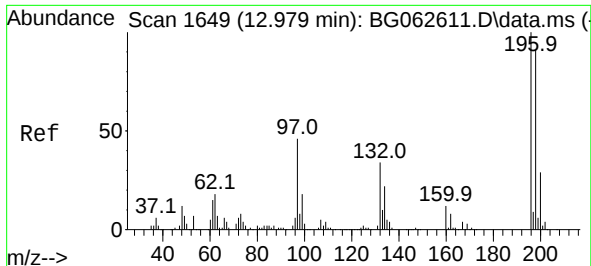
Tgt Ion:237 Resp: 17001
Ion Ratio Lower Upper
237 100
235 53.9 40.4 80.4
272 11.6 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 143.581 ng
RT: 16.037 min Scan# 2170
Delta R.T. 0.002 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:330 Resp: 303342
Ion Ratio Lower Upper
330 100
332 95.9 77.2 115.8
141 26.1 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 10.728 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

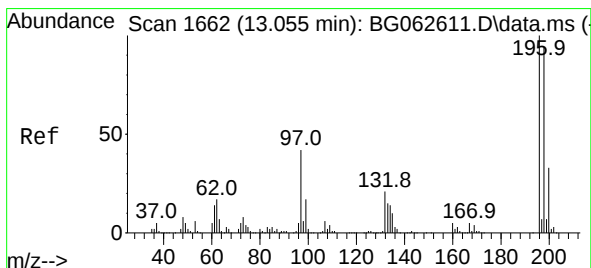
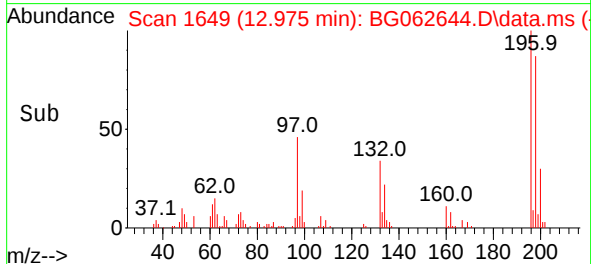
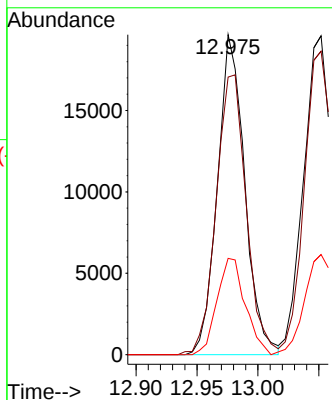
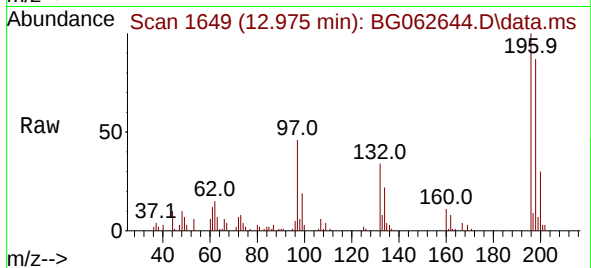
Tgt Ion:196 Resp: 30705

Ion Ratio Lower Upper

196 100

198 86.8 72.8 109.2

200 30.1 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 10.589 ng

RT: 13.052 min Scan# 1662

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Tgt Ion:196 Resp: 34320

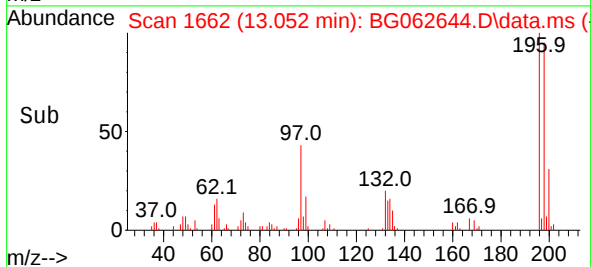
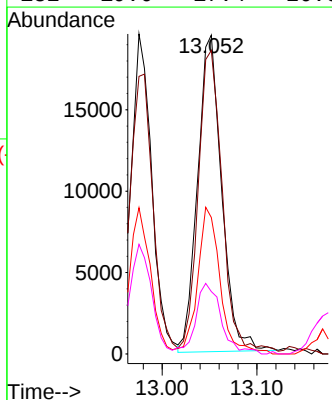
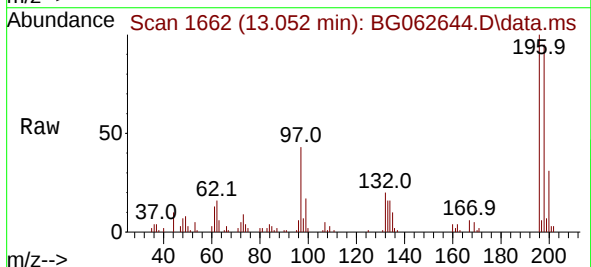
Ion Ratio Lower Upper

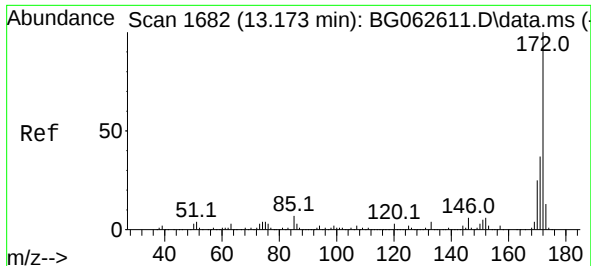
196 100

198 95.1 75.5 113.3

97 42.8 34.1 51.1

132 19.6 17.4 26.0

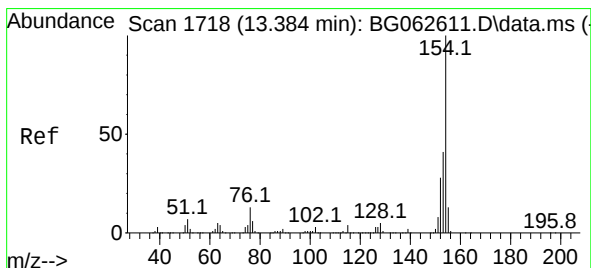
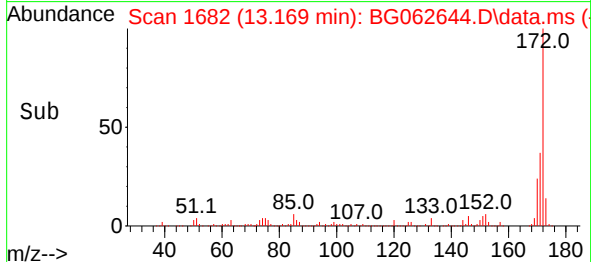
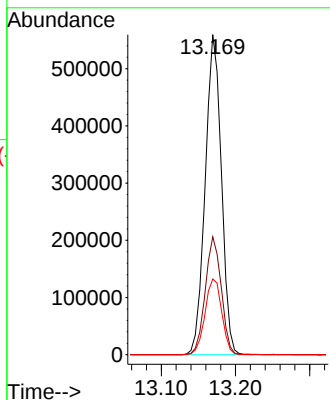
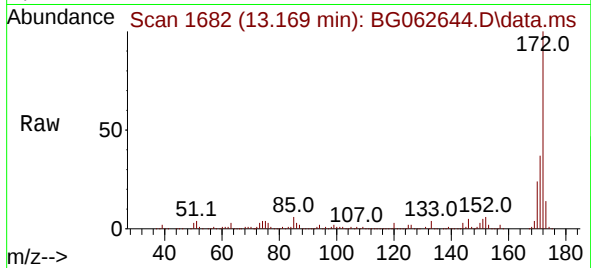




#45
2-Fluorobiphenyl
Concen: 91.525 ng
RT: 13.169 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

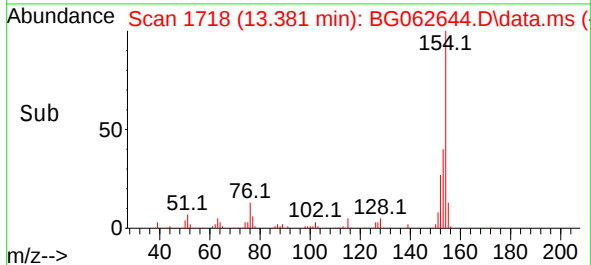
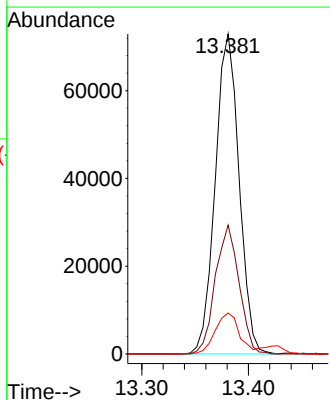
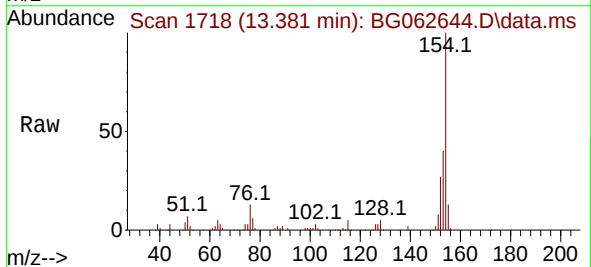
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

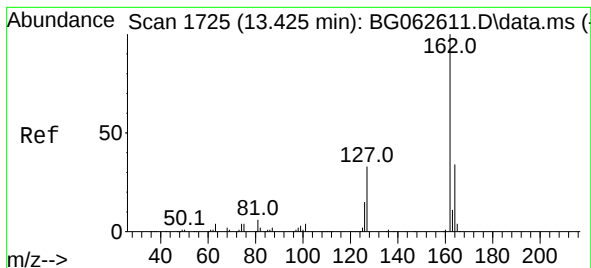
Tgt Ion:172 Resp: 848258
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 23.6 20.0 30.0



#46
1,1'-Biphenyl
Concen: 11.287 ng
RT: 13.381 min Scan# 1718
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:154 Resp: 113045
Ion Ratio Lower Upper
154 100
153 40.3 20.8 60.8
76 12.8 0.0 33.4





#47

2-Chloronaphthalene

Concen: 10.707 ng

RT: 13.422 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

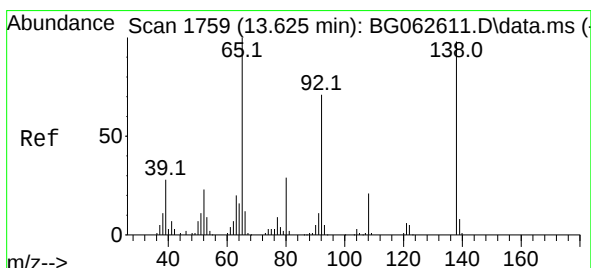
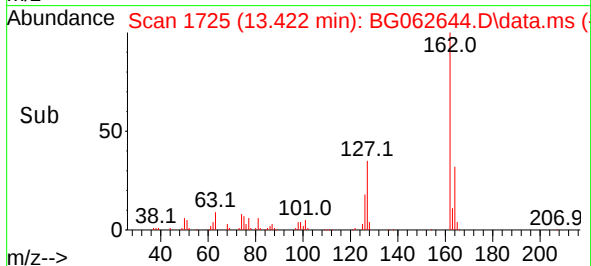
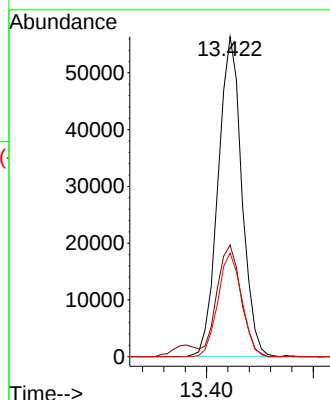
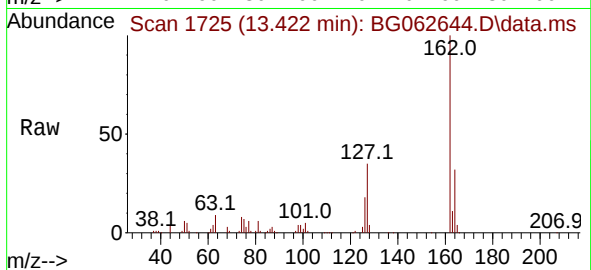
Tgt Ion:162 Resp: 86911

Ion Ratio Lower Upper

162 100

127 34.9 28.7 43.1

164 32.3 26.9 40.3



#48

2-Nitroaniline

Concen: 11.116 ng

RT: 13.616 min Scan# 1758

Delta R.T. -0.009 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

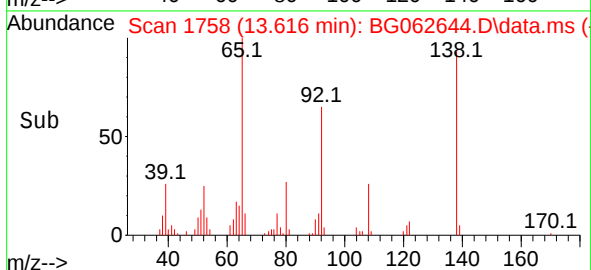
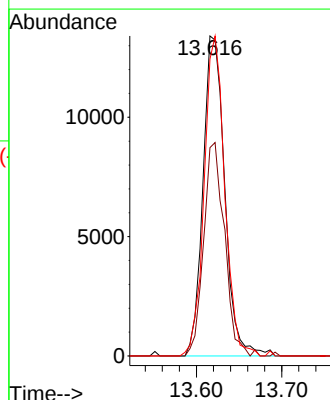
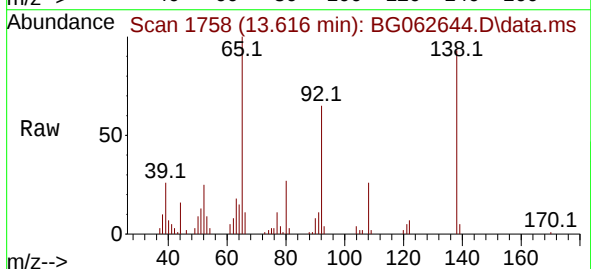
Tgt Ion: 65 Resp: 23732

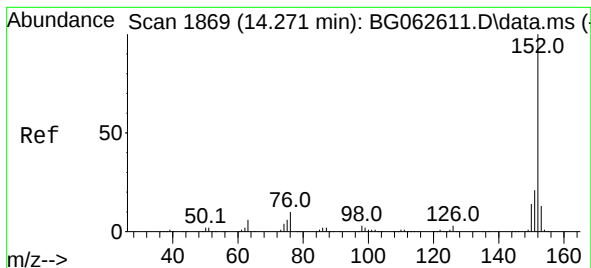
Ion Ratio Lower Upper

65 100

92 65.1 56.6 84.8

138 92.8 78.7 118.1





#49

Acenaphthylene

Concen: 11.782 ng

RT: 14.268 min Scan# 1869

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

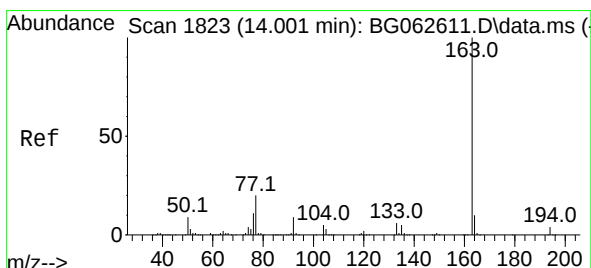
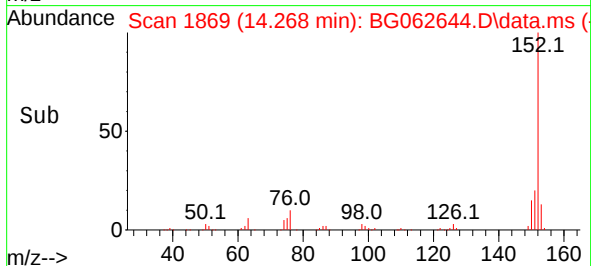
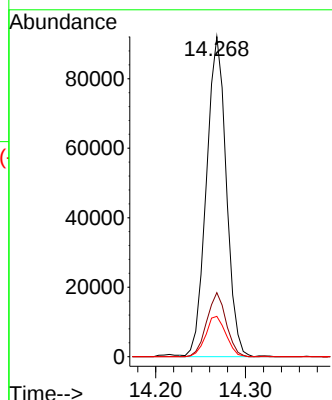
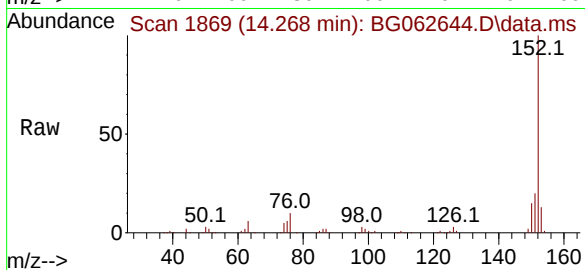
Tgt Ion:152 Resp: 141621

Ion Ratio Lower Upper

152 100

151 20.0 16.6 24.8

153 12.6 10.2 15.4



#50

Dimethylphthalate

Concen: 11.228 ng

RT: 13.998 min Scan# 1823

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

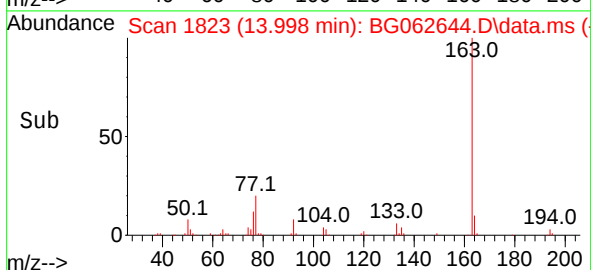
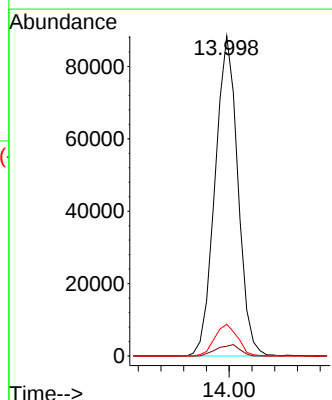
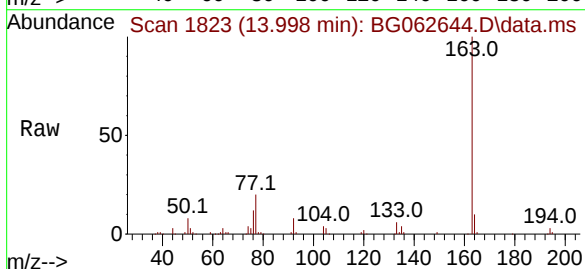
Tgt Ion:163 Resp: 123257

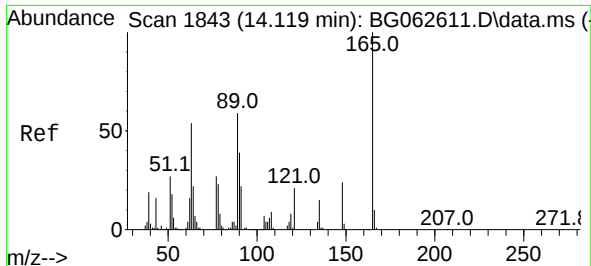
Ion Ratio Lower Upper

163 100

194 3.0 2.9 4.3

164 9.9 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 10.577 ng

RT: 14.115 min Scan# 1843

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

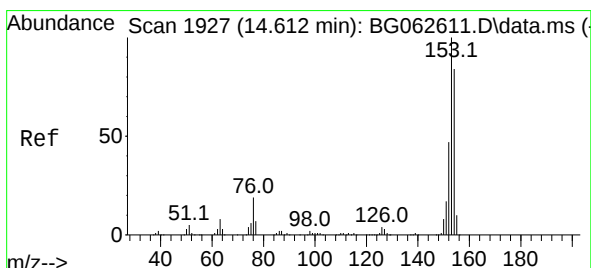
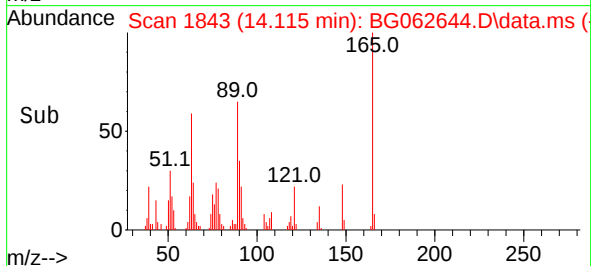
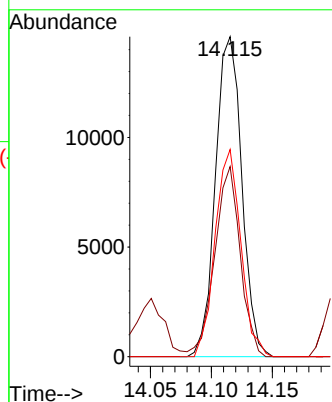
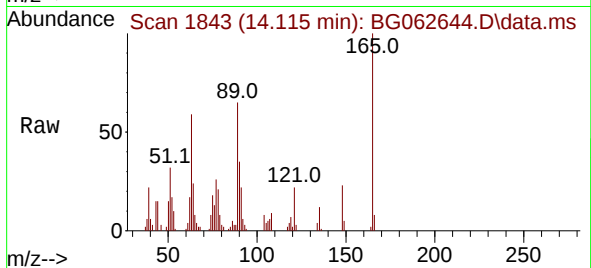
Tgt Ion:165 Resp: 21961

Ion Ratio Lower Upper

165 100

63 59.4 46.6 69.8

89 64.8 47.2 70.8



#52

Acenaphthene

Concen: 10.612 ng

RT: 14.609 min Scan# 1927

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

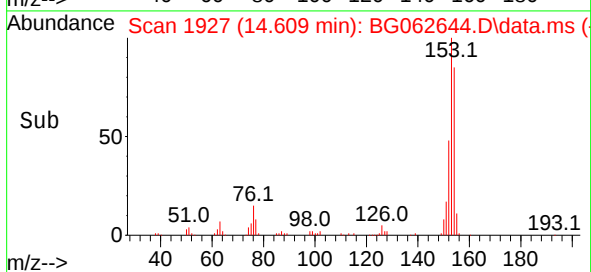
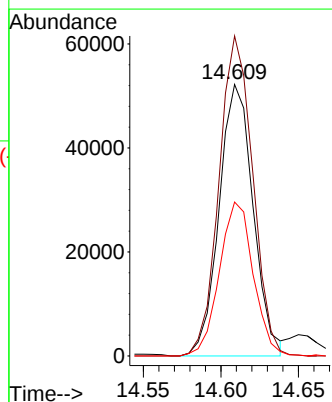
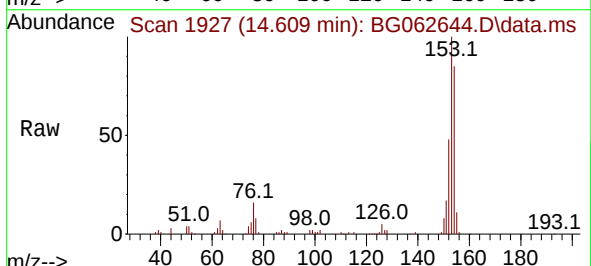
Tgt Ion:154 Resp: 79738

Ion Ratio Lower Upper

154 100

153 117.8 95.0 142.4

152 56.7 45.0 67.6





#53

3-Nitroaniline

Concen: 12.109 ng

RT: 14.444 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG062644.D

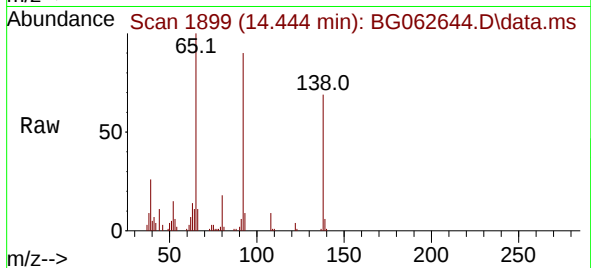
Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



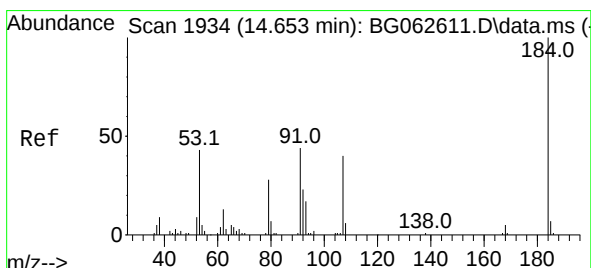
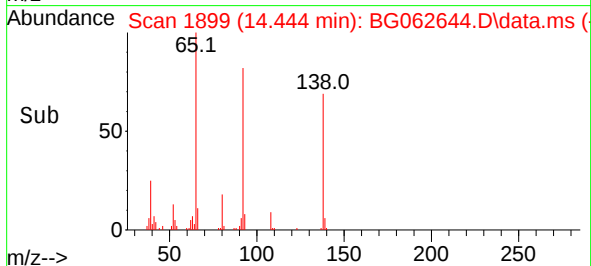
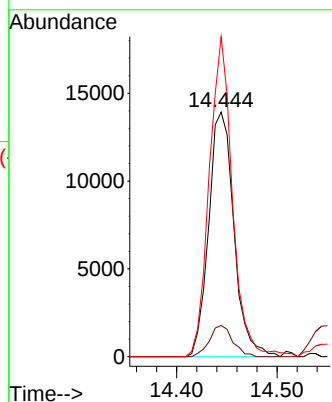
Tgt Ion:138 Resp: 24327

Ion Ratio Lower Upper

138 100

108 12.7 8.6 13.0

92 130.8 95.7 143.5



#54

2,4-Dinitrophenol

Concen: 9.511 ng

RT: 14.656 min Scan# 1935

Delta R.T. 0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

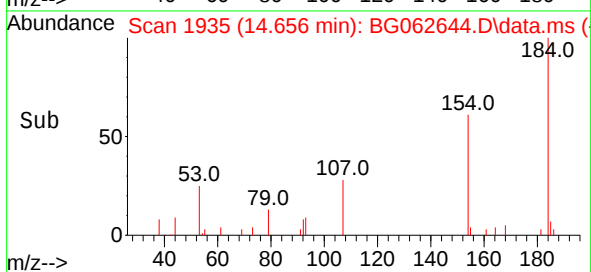
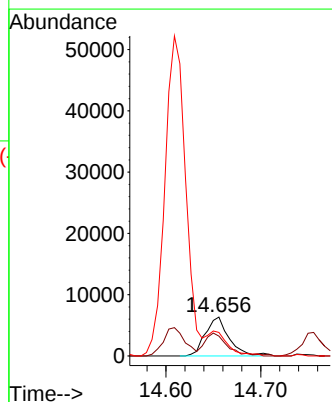
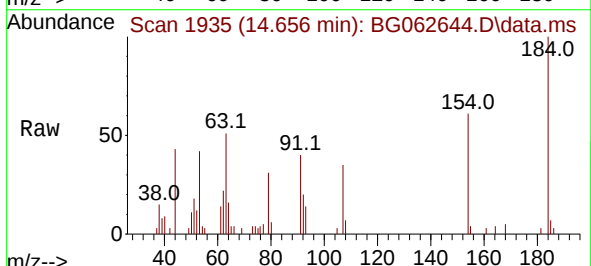
Tgt Ion:184 Resp: 11082

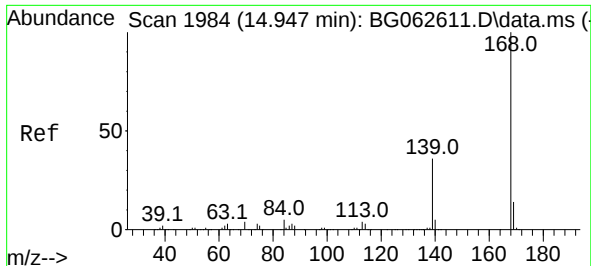
Ion Ratio Lower Upper

184 100

63 51.3 49.0 73.4

154 60.8 50.5 75.7

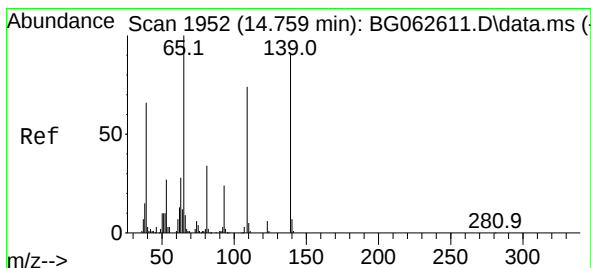
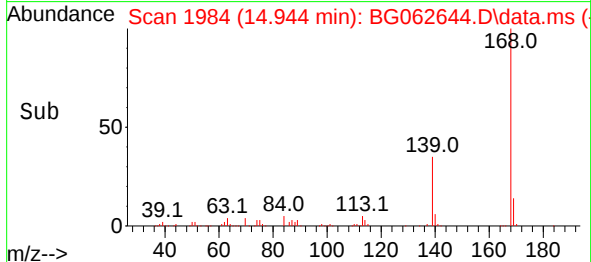
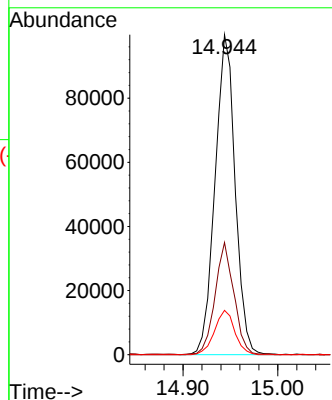
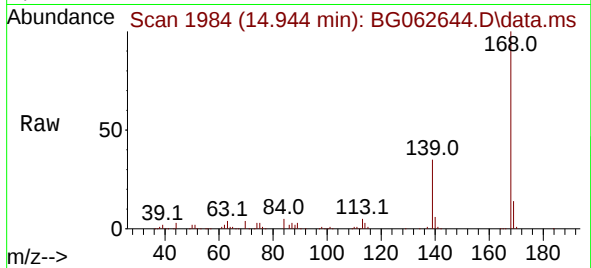




#55
Dibenzofuran
Concen: 11.413 ng
RT: 14.944 min Scan# 1984
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

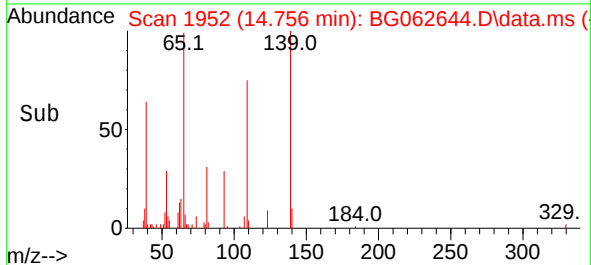
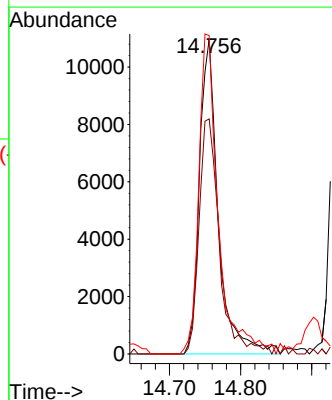
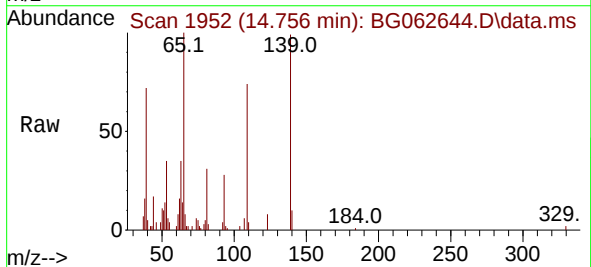
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

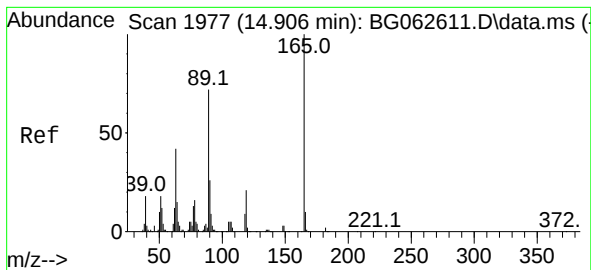
Tgt Ion:168 Resp: 147067
Ion Ratio Lower Upper
168 100
139 35.0 28.6 42.8
169 13.9 11.0 16.6



#56
4-Nitrophenol
Concen: 11.853 ng
RT: 14.756 min Scan# 1952
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:139 Resp: 20181
Ion Ratio Lower Upper
139 100
109 74.7 61.2 101.2
65 101.2 90.2 130.2

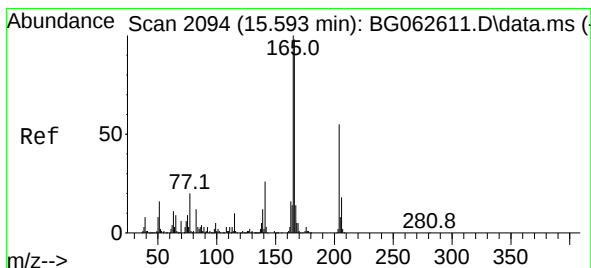
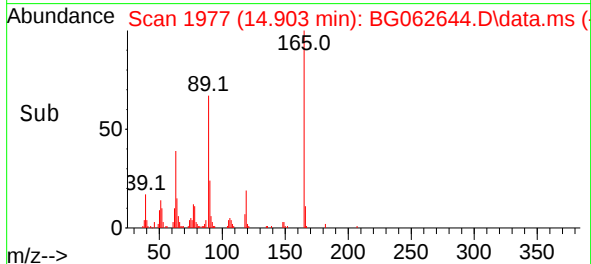
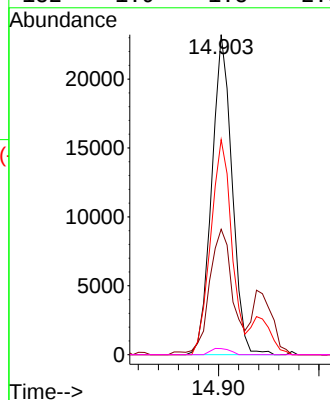
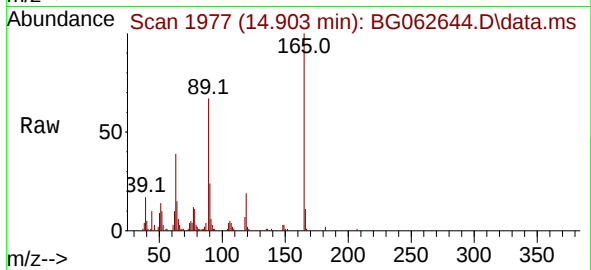




#57
2,4-Dinitrotoluene
Concen: 11.524 ng
RT: 14.903 min Scan# 1977
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

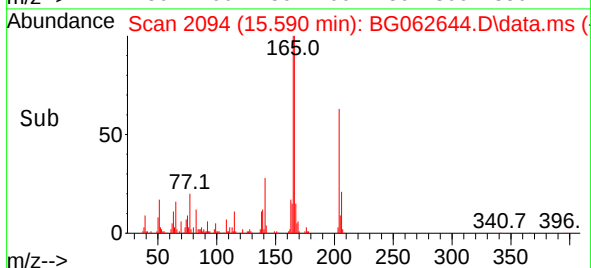
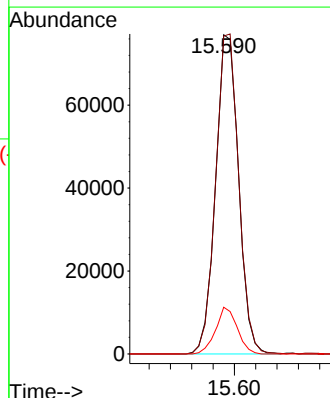
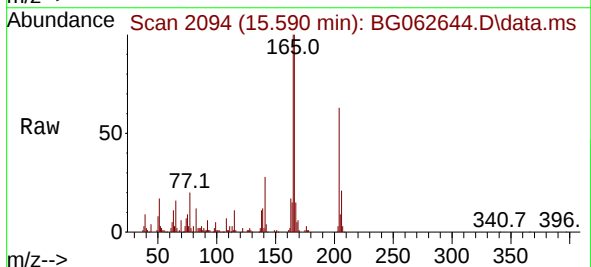
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

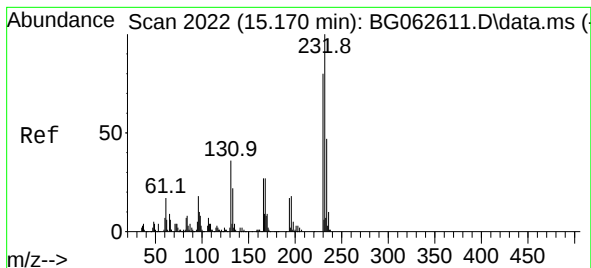
Tgt	Ion:165	Resp:	32648
Ion	Ratio	Lower	Upper
165	100		
63	39.2	33.8	50.6
89	67.2	57.9	86.9
182	1.9	1.8	2.8



#58
Fluorene
Concen: 11.353 ng
RT: 15.590 min Scan# 2094
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:166	Resp:	114815	
Ion Ratio	Lower	Upper	
166	100		
165	99.6	82.0	123.0
167	14.7	11.3	16.9





#59

2,3,4,6-Tetrachlorophenol

Concen: 11.808 ng

RT: 15.173 min Scan# 2022

Delta R.T. 0.002 min

Lab File: BG062644.D

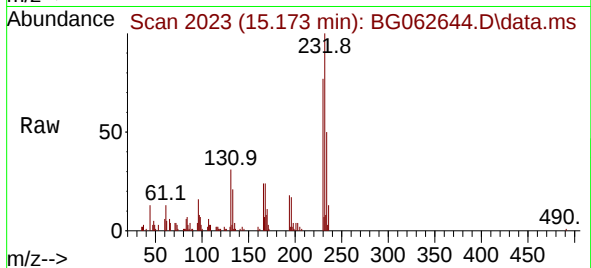
Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:232 Resp: 36256

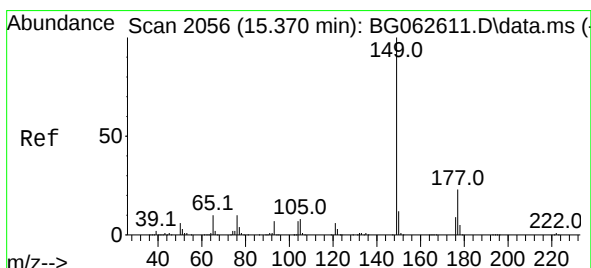
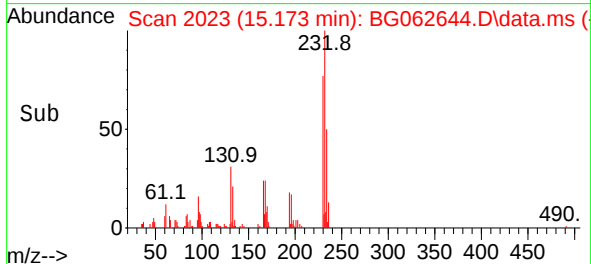
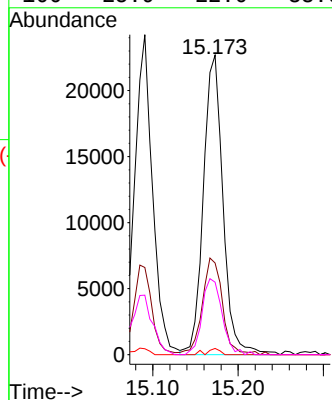
Ion Ratio Lower Upper

232 100

131 33.4 28.3 42.5

130 1.4 1.7 2.5#

166 25.9 22.0 33.0



#60

Diethylphthalate

Concen: 11.119 ng

RT: 15.361 min Scan# 2055

Delta R.T. -0.009 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

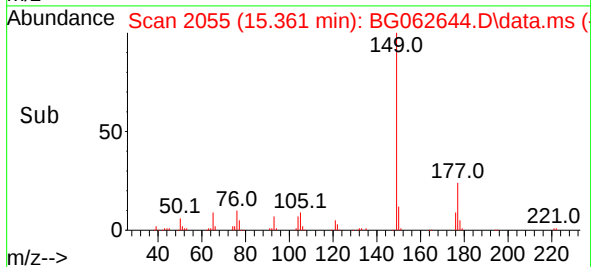
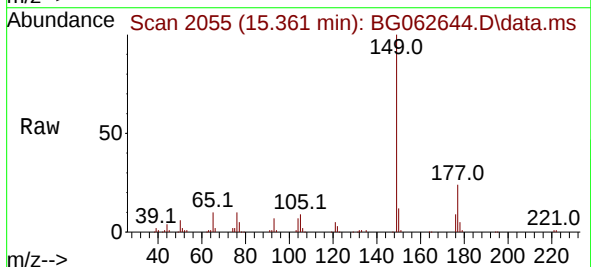
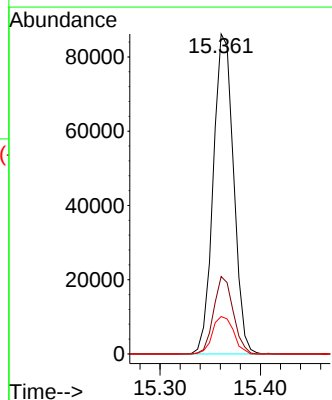
Tgt Ion:149 Resp: 120979

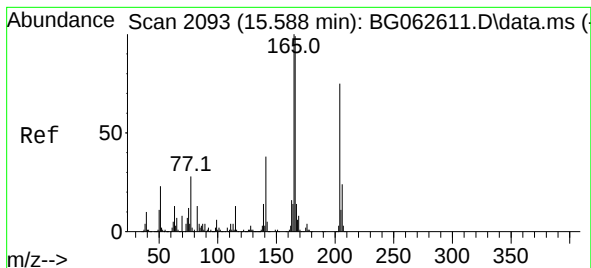
Ion Ratio Lower Upper

149 100

177 24.2 18.0 27.0

150 11.7 9.8 14.8

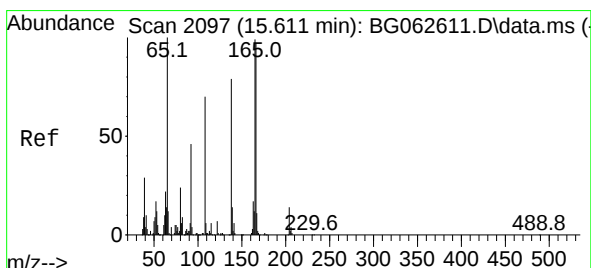
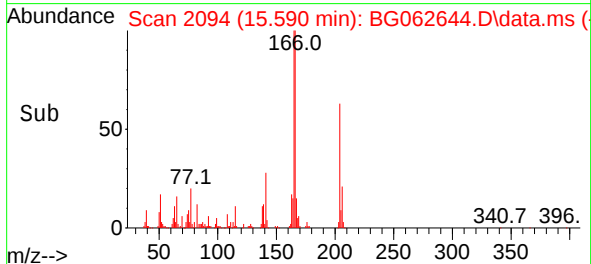
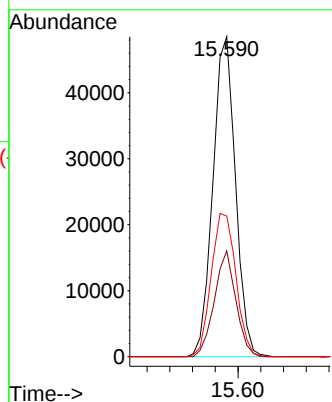
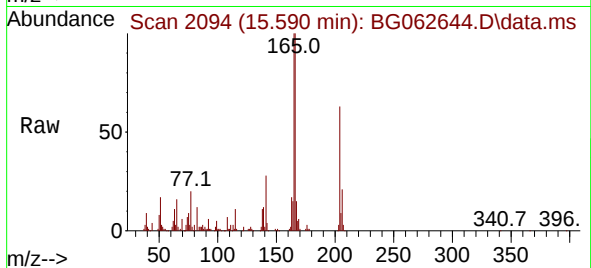




#61
4-Chlorophenyl-phenylether
Concen: 11.513 ng
RT: 15.590 min Scan# 2094
Delta R.T. 0.002 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

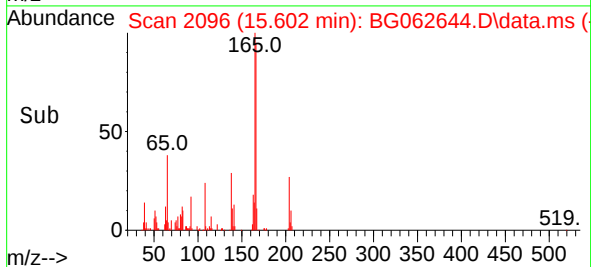
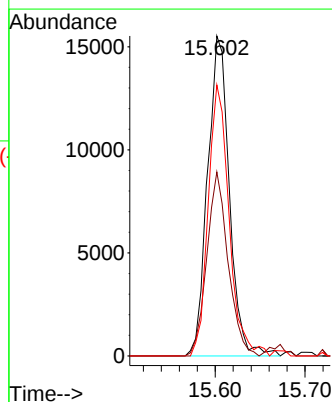
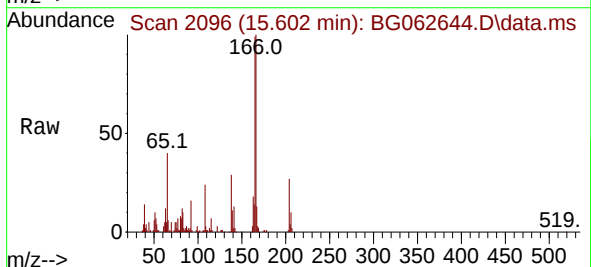
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

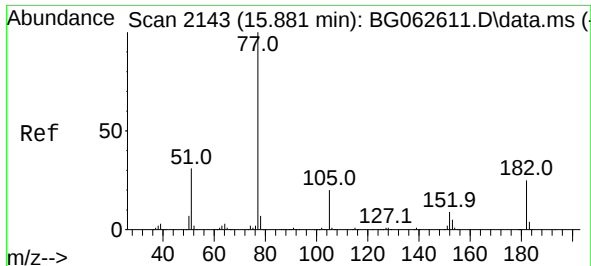
Tgt Ion:204 Resp: 66844
Ion Ratio Lower Upper
204 100
206 33.0 25.9 38.9
141 44.0 41.0 61.6



#62
4-Nitroaniline
Concen: 11.799 ng
RT: 15.602 min Scan# 2096
Delta R.T. -0.009 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:138 Resp: 26138
Ion Ratio Lower Upper
138 100
92 57.5 38.4 78.4
108 84.7 69.0 109.0

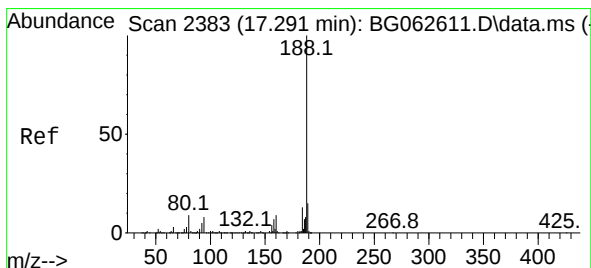
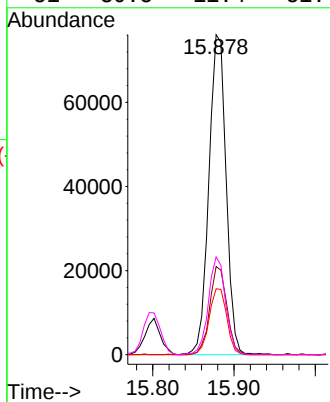
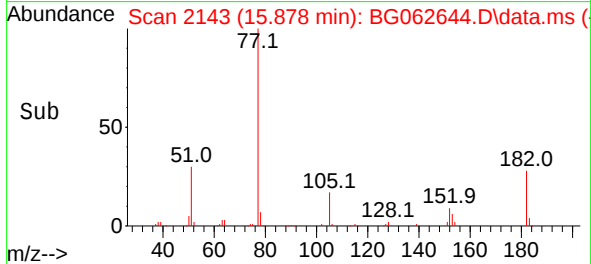
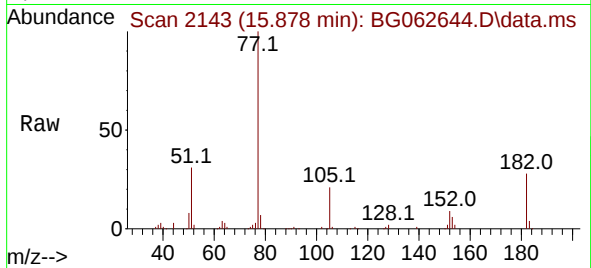




#63
Azobenzene
Concen: 10.964 ng
RT: 15.878 min Scan# 2143
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

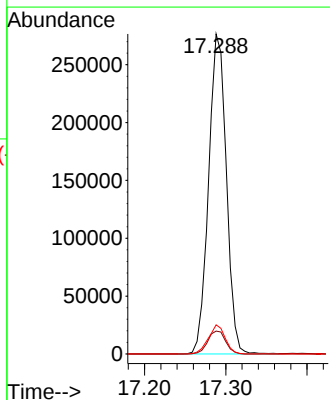
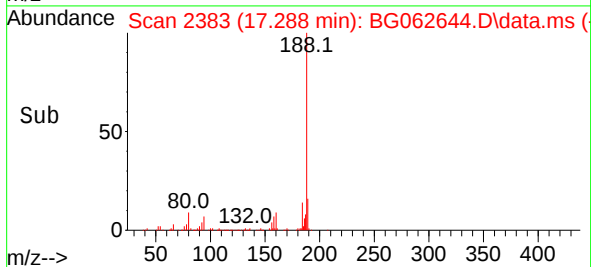
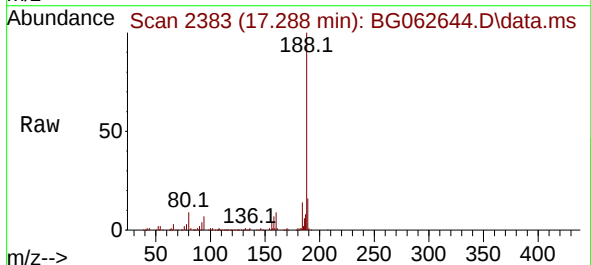
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

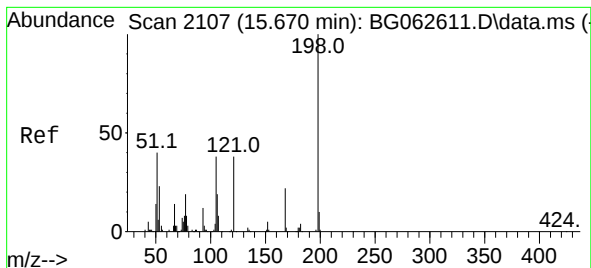
Tgt Ion: 77 Resp: 112007
Ion Ratio Lower Upper
77 100
182 27.6 5.0 45.0
105 20.6 0.5 40.5
51 30.5 11.4 51.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.288 min Scan# 2383
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:188 Resp: 419718
Ion Ratio Lower Upper
188 100
94 7.2 6.3 9.5
80 9.1 7.0 10.4

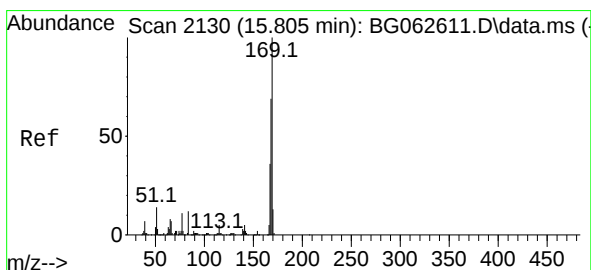
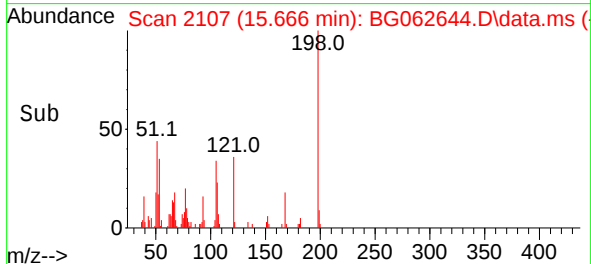
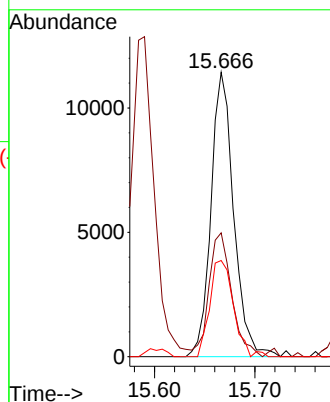
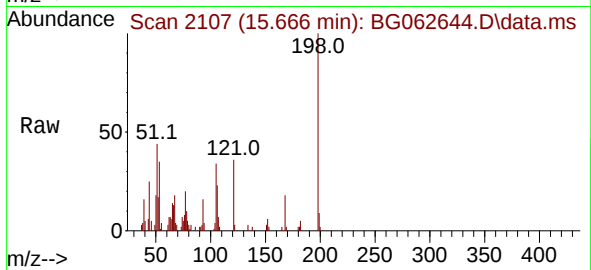




#65
4,6-Dinitro-2-methylphenol
Concen: 9.578 ng
RT: 15.666 min Scan# 2107
Delta R.T. -0.004 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

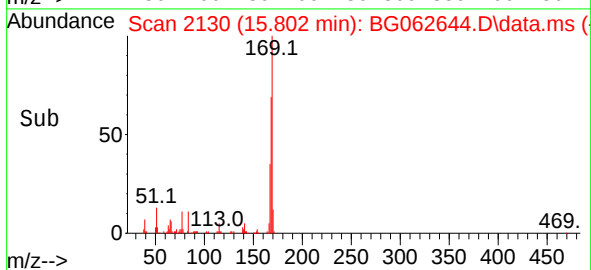
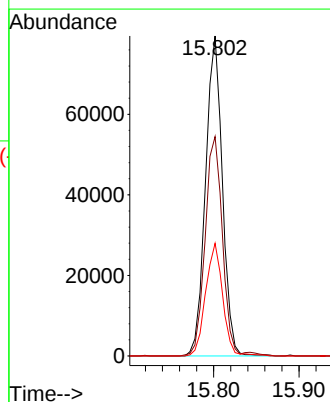
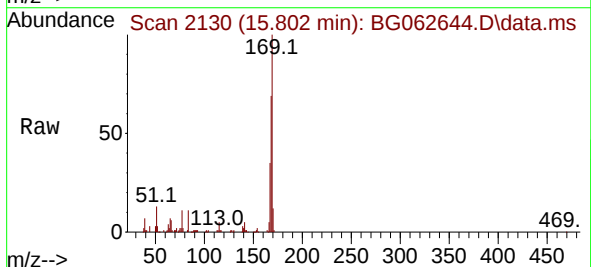
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

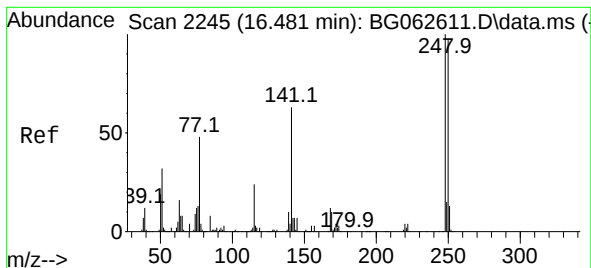
Tgt Ion:198 Resp: 17940
Ion Ratio Lower Upper
198 100
51 43.6 25.1 65.1
105 33.8 18.3 58.3



#66
n-Nitrosodiphenylamine
Concen: 10.801 ng
RT: 15.802 min Scan# 2130
Delta R.T. -0.003 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:169 Resp: 108998
Ion Ratio Lower Upper
169 100
168 68.6 55.4 83.2
167 35.2 29.0 43.6

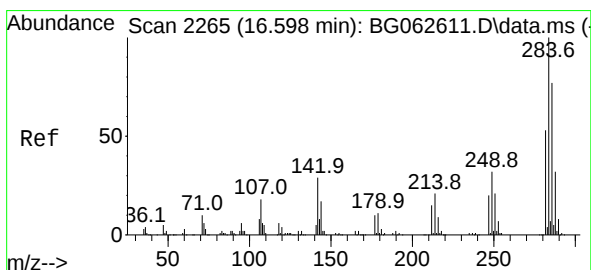
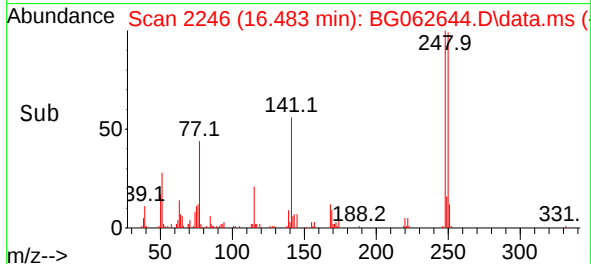
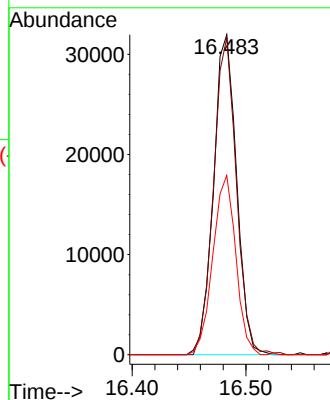
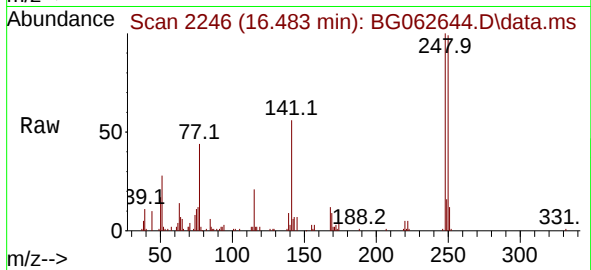




#67
4-Bromophenyl-phenylether
Concen: 10.361 ng
RT: 16.483 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

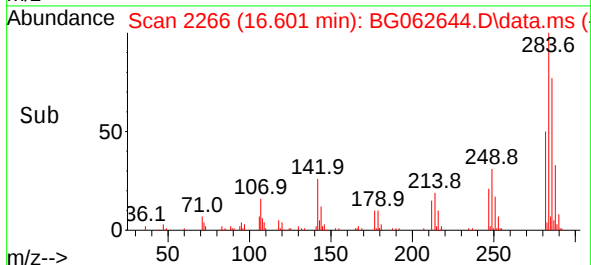
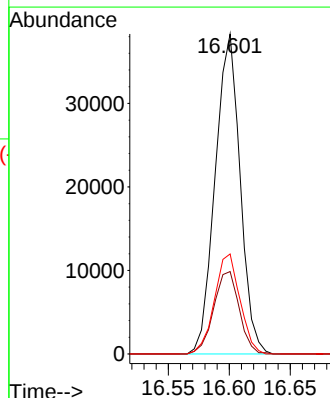
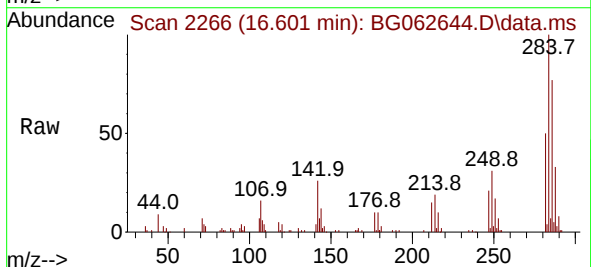
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

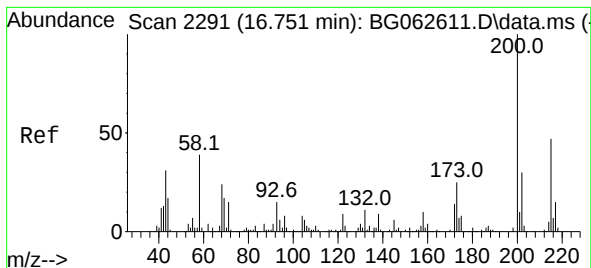
Tgt Ion:248 Resp: 44883
Ion Ratio Lower Upper
248 100
250 99.1 77.9 116.9
141 56.0 50.2 75.2



#68
Hexachlorobenzene
Concen: 10.623 ng
RT: 16.601 min Scan# 2266
Delta R.T. 0.002 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:284 Resp: 54495
Ion Ratio Lower Upper
284 100
142 25.8 23.5 35.3
249 33.9 25.4 38.0





#69

Atrazine

Concen: 14.458 ng

RT: 16.747 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

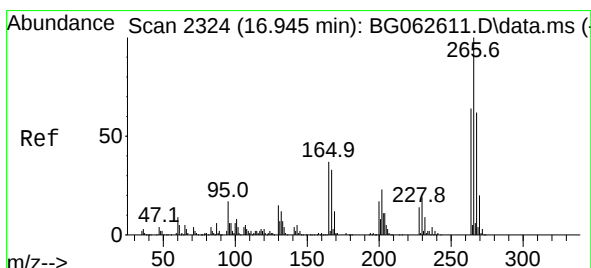
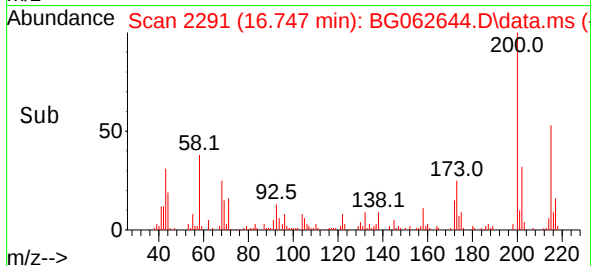
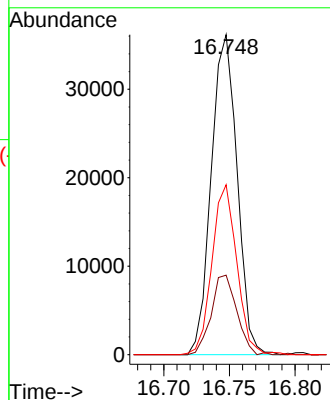
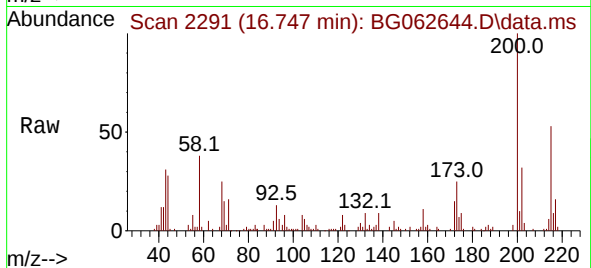
Tgt Ion:200 Resp: 49555

Ion Ratio Lower Upper

200 100

173 24.8 5.2 45.2

215 53.1 27.3 67.3



#70

Pentachlorophenol

Concen: 9.419 ng

RT: 16.941 min Scan# 2324

Delta R.T. -0.004 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

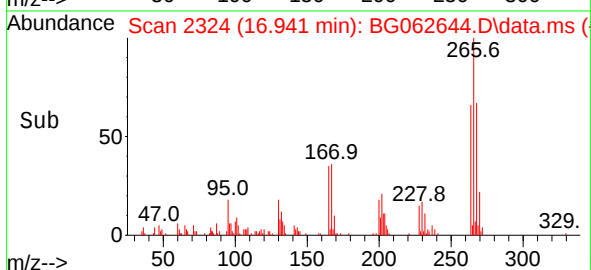
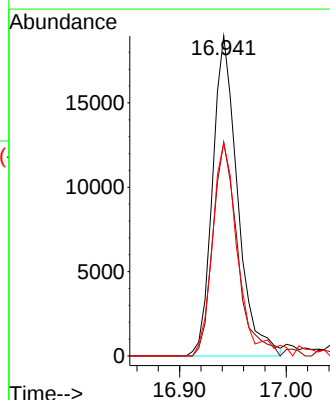
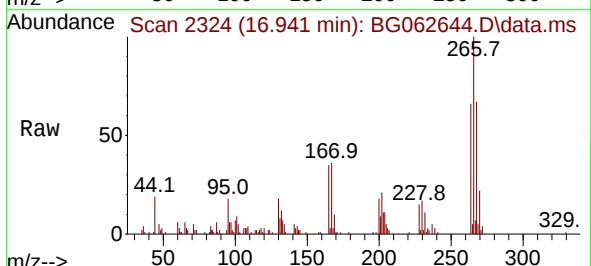
Tgt Ion:266 Resp: 30949

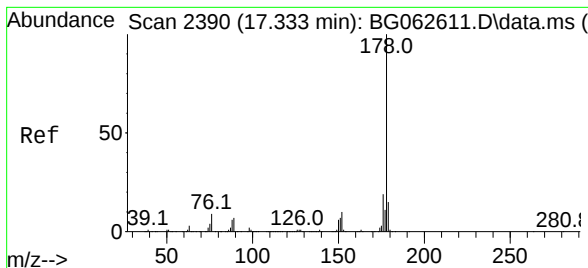
Ion Ratio Lower Upper

266 100

268 72.2 52.6 79.0

264 66.5 51.6 77.4





#71

Phenanthrene

Concen: 11.556 ng

RT: 17.335 min Scan# 2390

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

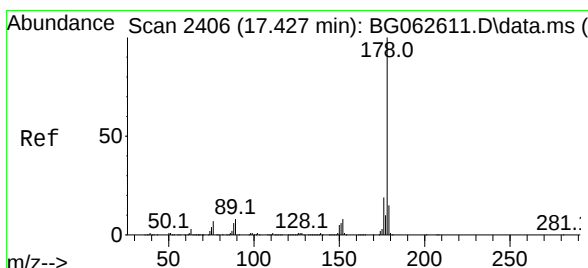
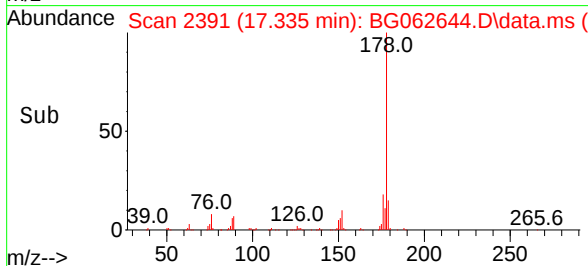
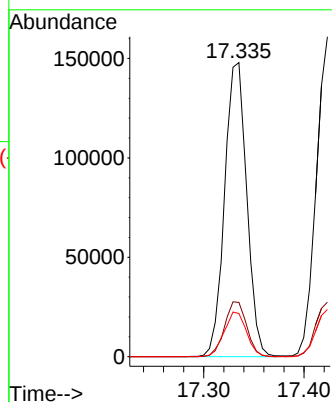
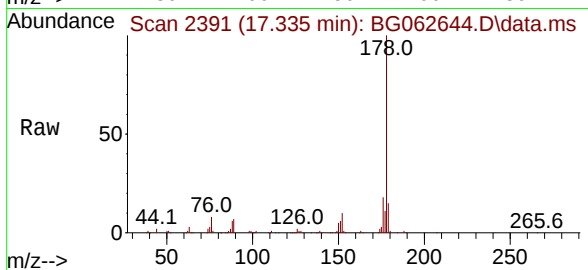
Tgt Ion:178 Resp: 226383

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

179 14.7 12.2 18.4



#72

Anthracene

Concen: 11.903 ng

RT: 17.423 min Scan# 2406

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

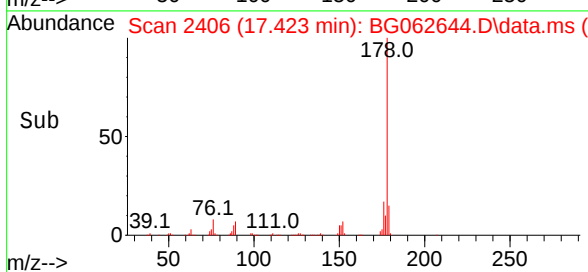
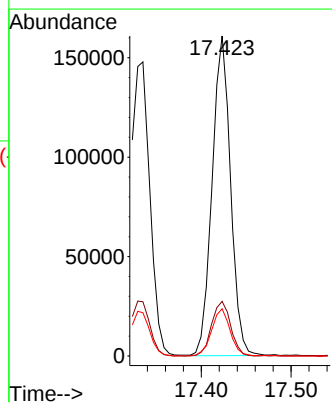
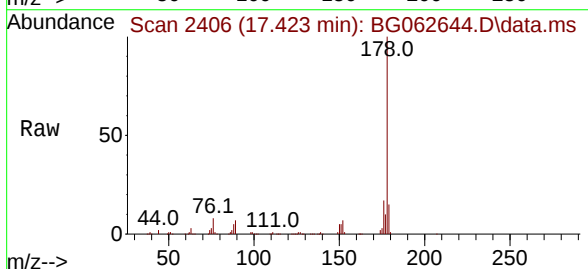
Tgt Ion:178 Resp: 229267

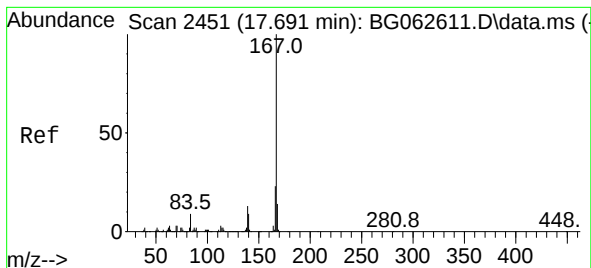
Ion Ratio Lower Upper

178 100

176 17.0 15.2 22.8

179 14.8 12.0 18.0





#73

Carbazole

Concen: 11.767 ng

RT: 17.693 min Scan# 2451

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

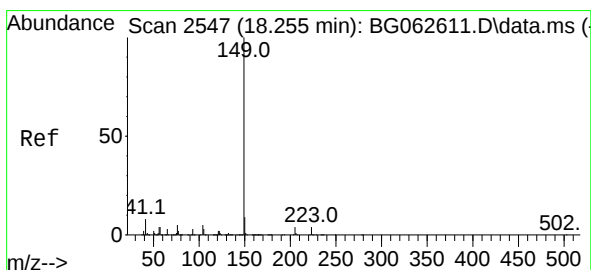
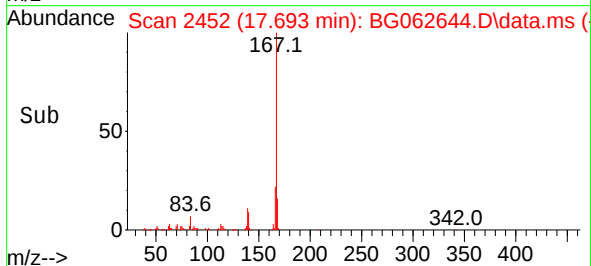
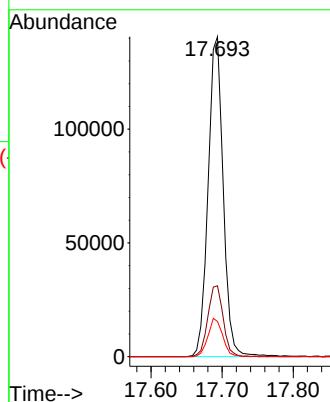
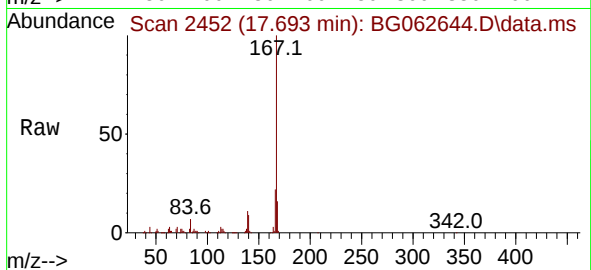
Tgt Ion:167 Resp: 208370

Ion Ratio Lower Upper

167 100

166 22.2 18.2 27.2

139 11.0 10.1 15.1



#74

Di-n-butylphthalate

Concen: 11.370 ng

RT: 18.258 min Scan# 2548

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

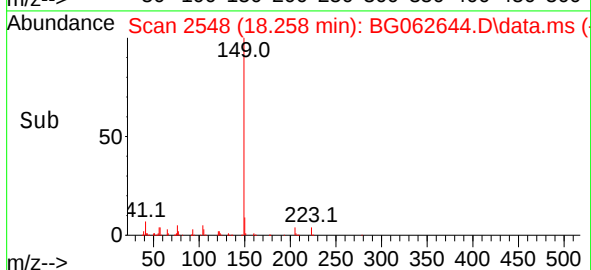
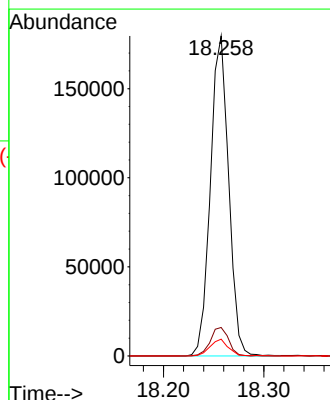
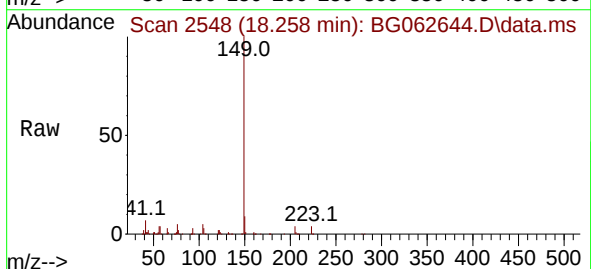
Tgt Ion:149 Resp: 227059

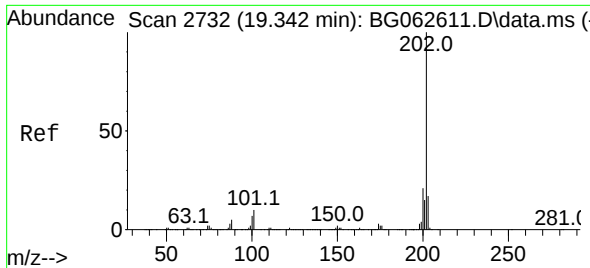
Ion Ratio Lower Upper

149 100

150 8.9 7.3 10.9

104 5.3 4.2 6.2

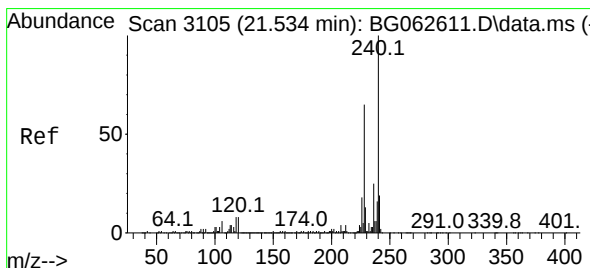
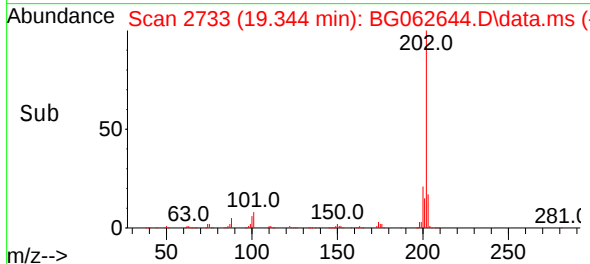
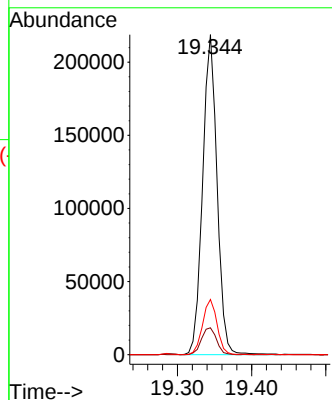
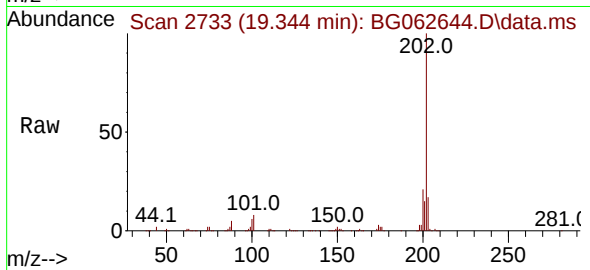




#75
Fluoranthene
Concen: 11.986 ng
RT: 19.344 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

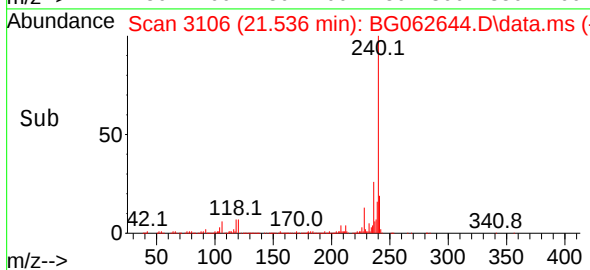
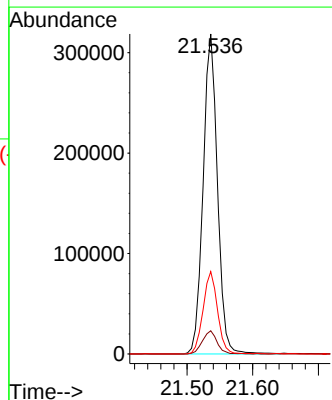
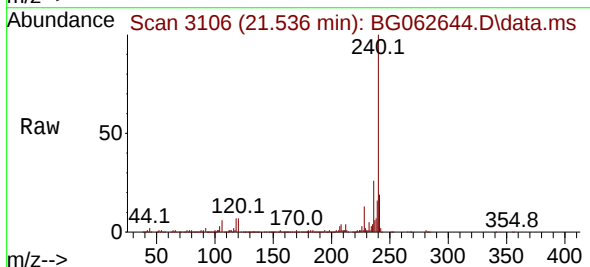
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

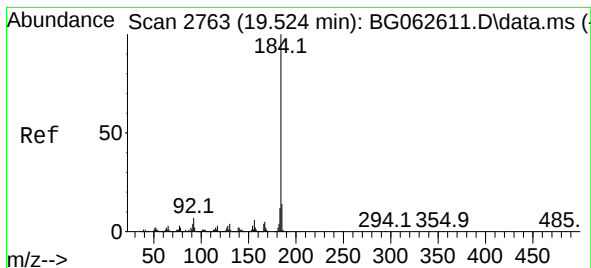
Tgt Ion:202 Resp: 296982
Ion Ratio Lower Upper
202 100
101 8.4 0.0 29.6
203 17.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.536 min Scan# 3106
Delta R.T. 0.002 min
Lab File: BG062644.D
Acq: 4 Sep 2024 15:38

Tgt Ion:240 Resp: 484784
Ion Ratio Lower Upper
240 100
120 7.3 6.6 9.8
236 25.7 20.2 30.4





#77

Benzidine

Concen: 16.527 ng

RT: 19.527 min Scan# 2764

Delta R.T. 0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

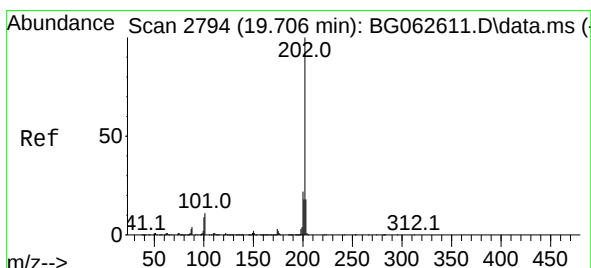
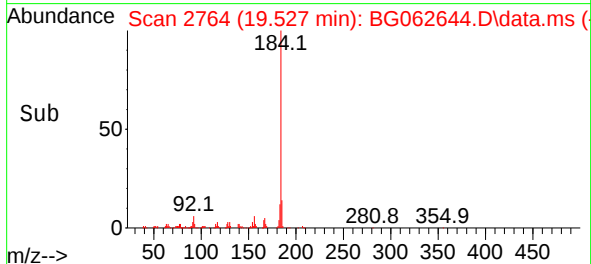
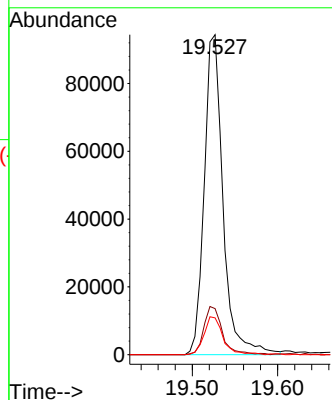
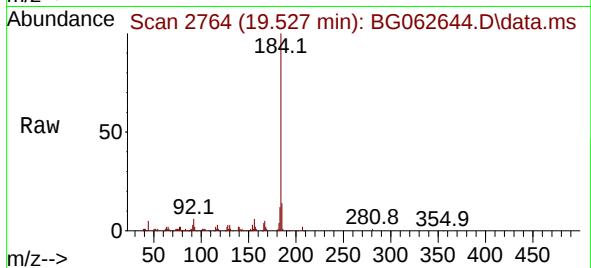
Tgt Ion:184 Resp: 144409

Ion Ratio Lower Upper

184 100

185 14.4 11.0 16.6

183 11.5 9.7 14.5



#78

Pyrene

Concen: 10.475 ng

RT: 19.703 min Scan# 2794

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

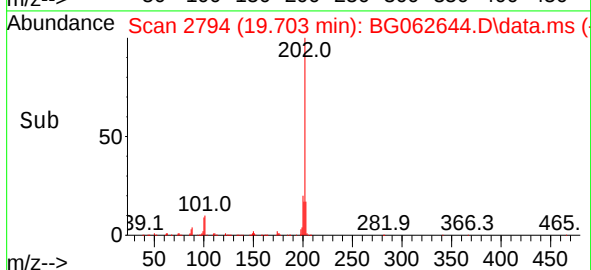
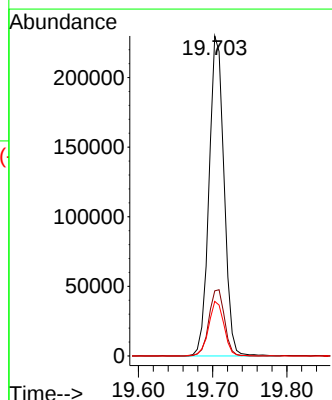
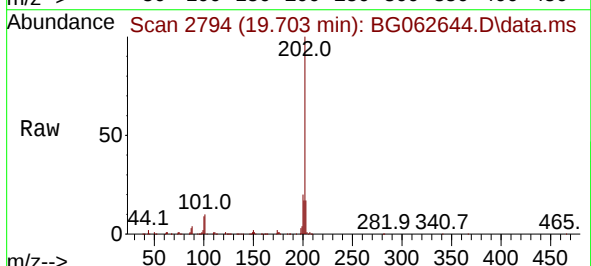
Tgt Ion:202 Resp: 322787

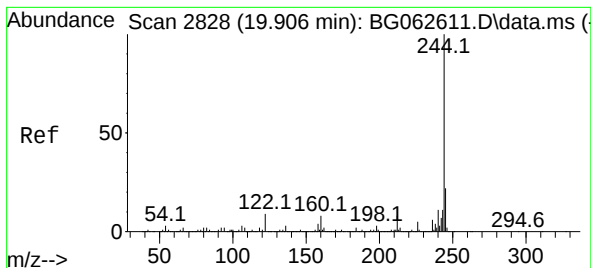
Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

203 17.1 14.1 21.1





#79

Terphenyl-d14

Concen: 83.807 ng

RT: 19.909 min Scan# 2

Delta R.T. 0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

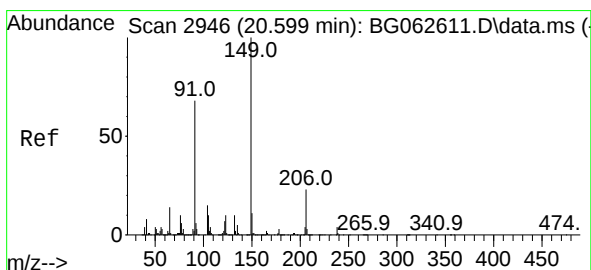
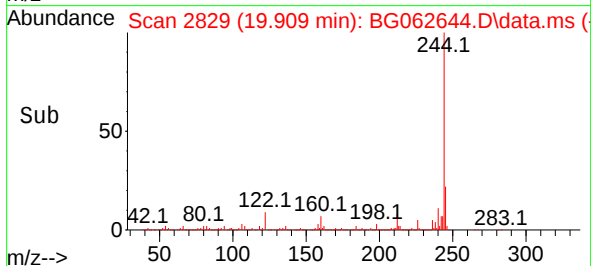
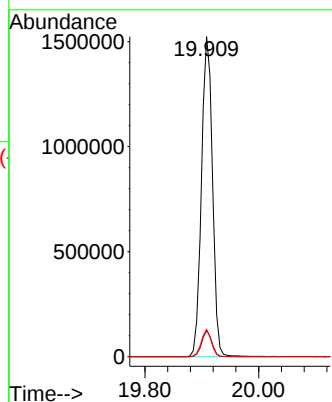
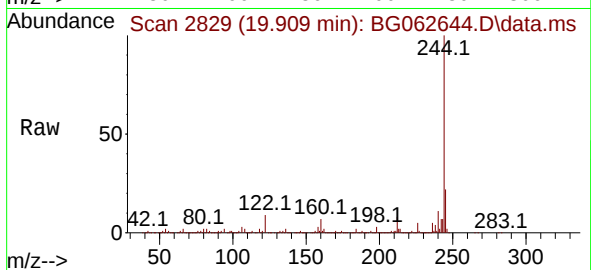
Tgt Ion:244 Resp: 2049008

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

122 8.5 7.2 10.8



#80

Butylbenzylphthalate

Concen: 9.929 ng

RT: 20.602 min Scan# 2947

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

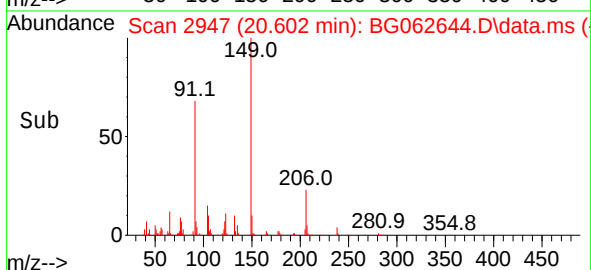
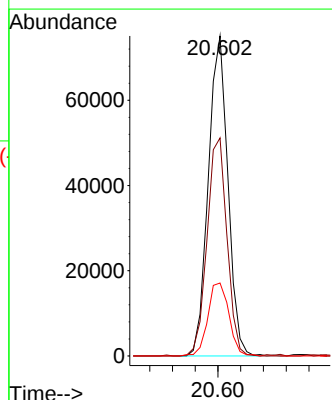
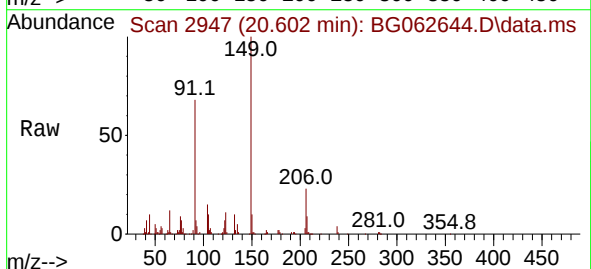
Tgt Ion:149 Resp: 89868

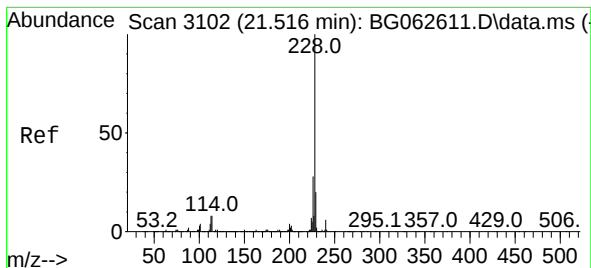
Ion Ratio Lower Upper

149 100

91 68.1 54.6 81.8

206 22.8 18.4 27.6





#81

Benzo(a)anthracene

Concen: 11.287 ng

RT: 21.518 min Scan# 3102

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

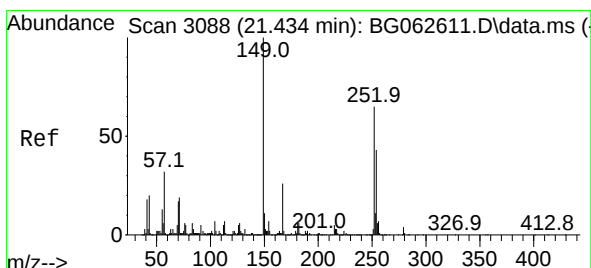
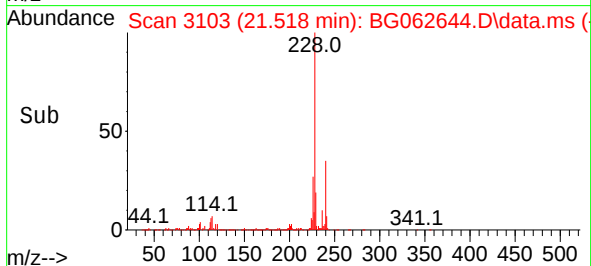
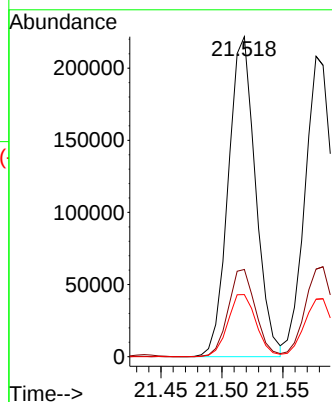
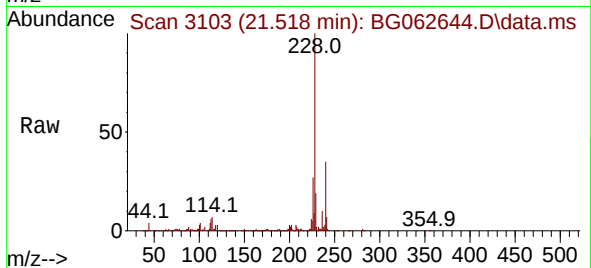
Tgt Ion:228 Resp: 345106

Ion Ratio Lower Upper

228 100

226 27.3 22.3 33.5

229 19.4 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 11.848 ng

RT: 21.436 min Scan# 3089

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

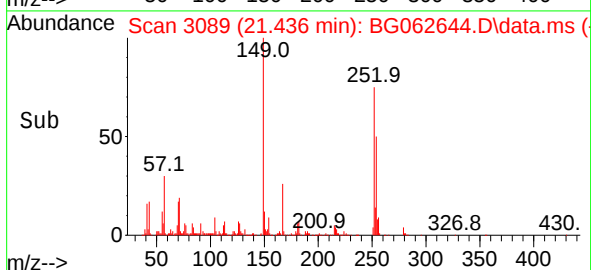
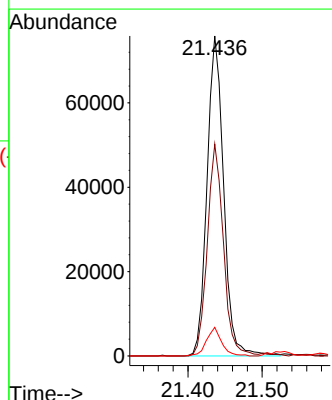
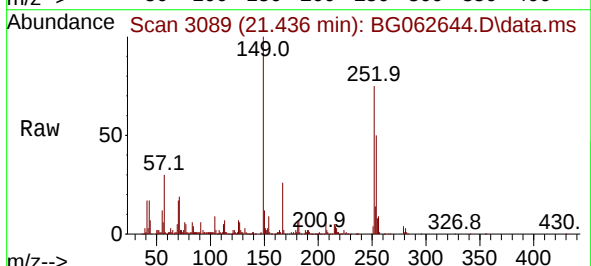
Tgt Ion:252 Resp: 118017

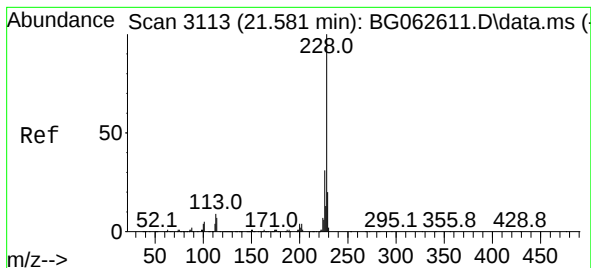
Ion Ratio Lower Upper

252 100

254 66.2 52.2 78.2

126 8.9 6.7 10.1





#83

Chrysene

Concen: 11.409 ng

RT: 21.577 min Scan# 3113

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

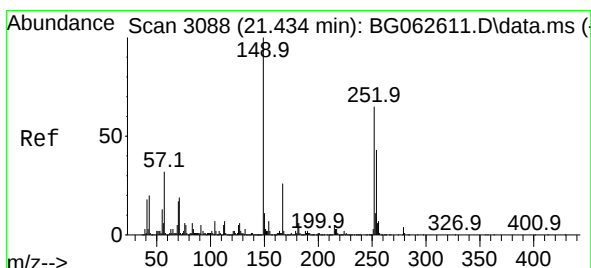
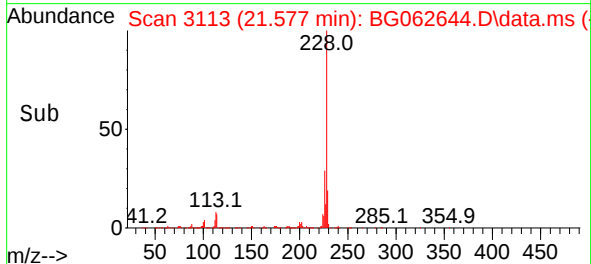
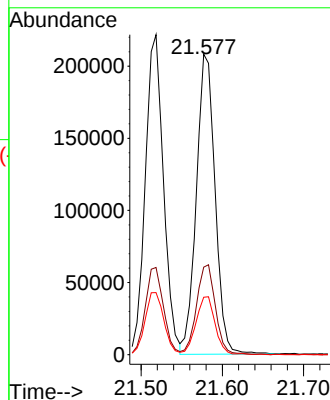
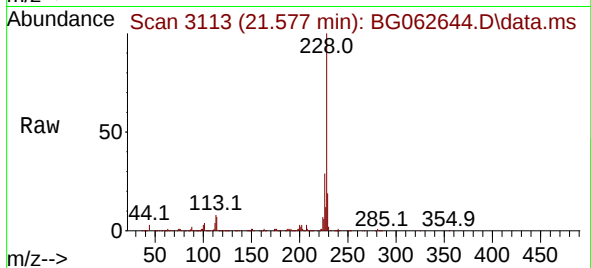
Tgt Ion:228 Resp: 334140

Ion Ratio Lower Upper

228 100

226 29.1 24.9 37.3

229 19.1 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.030 ng

RT: 21.436 min Scan# 3089

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

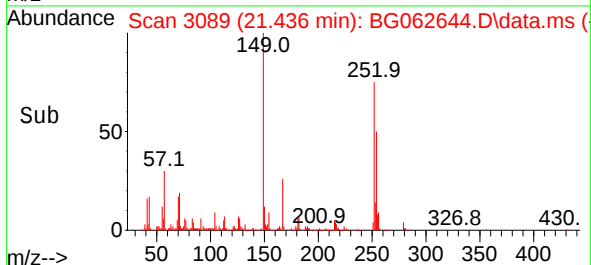
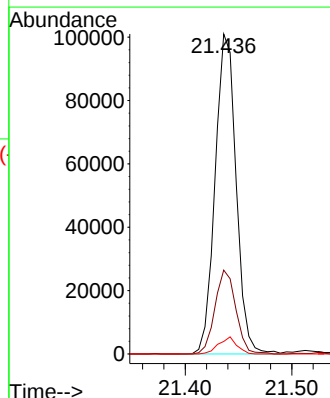
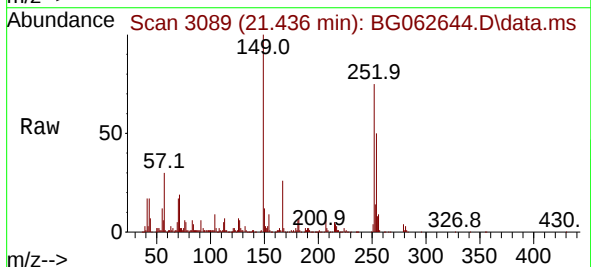
Tgt Ion:149 Resp: 137927

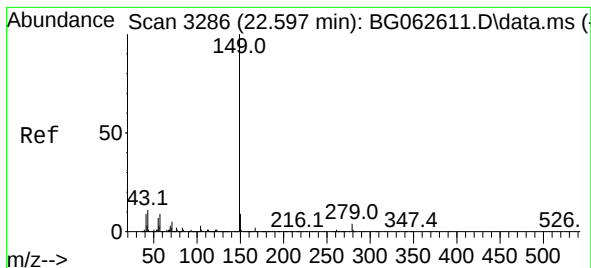
Ion Ratio Lower Upper

149 100

167 26.2 20.5 30.7

279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 9.693 ng

RT: 22.599 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

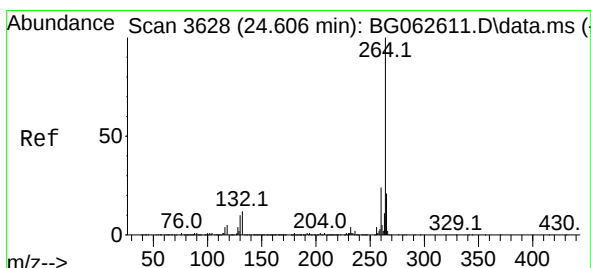
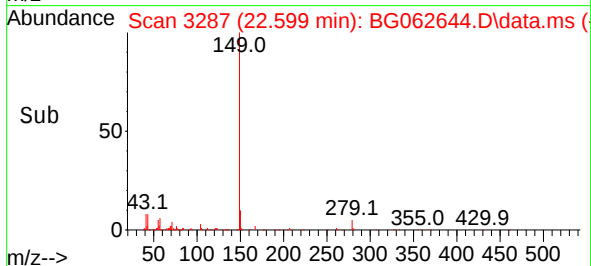
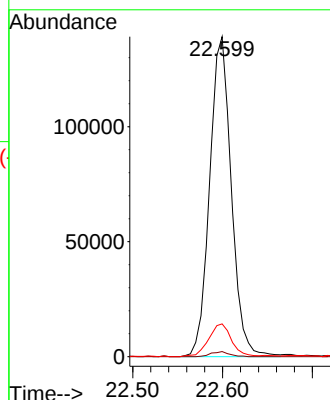
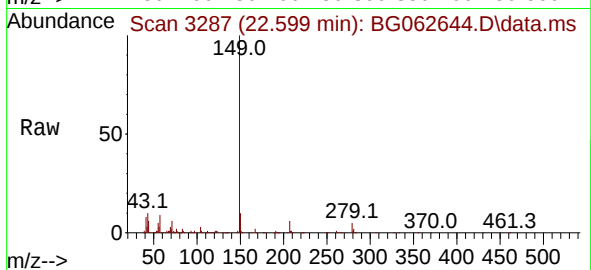
Tgt Ion:149 Resp: 233380

Ion Ratio Lower Upper

149 100

167 1.4 1.4 2.0

43 10.9 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.609 min Scan# 3629

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

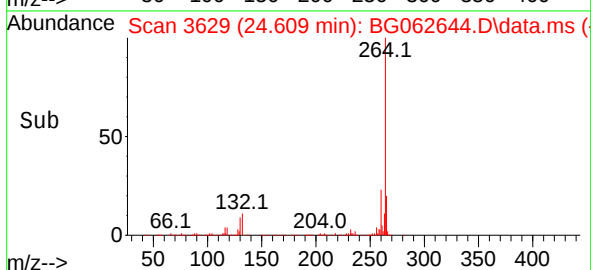
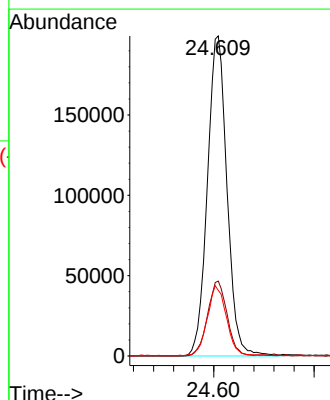
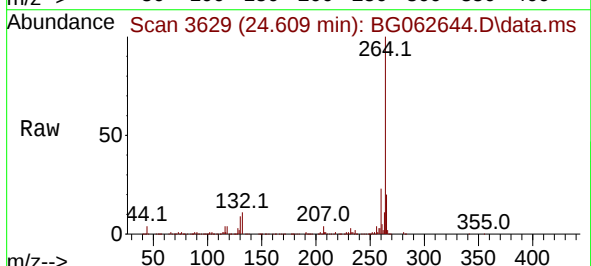
Tgt Ion:264 Resp: 540234

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 20.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.265 ng

RT: 28.070 min Scan# 41

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

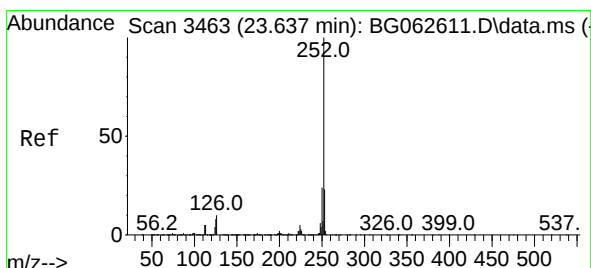
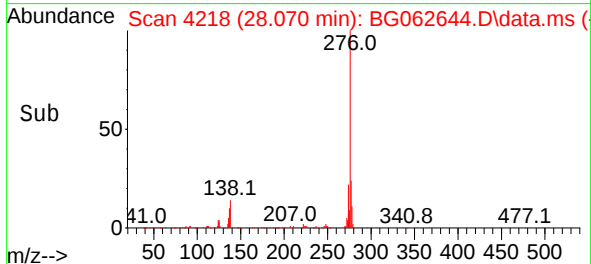
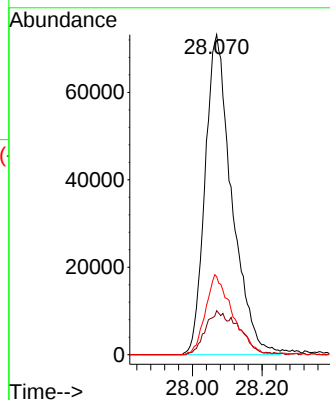
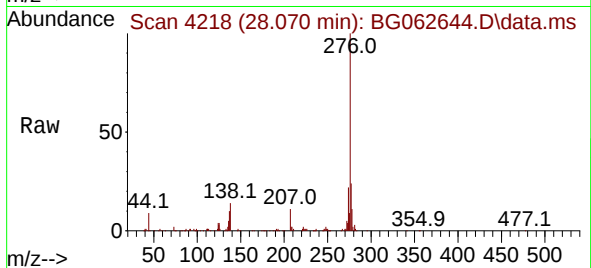
Tgt Ion:276 Resp: 390246

Ion Ratio Lower Upper

276 100

138 10.2 14.9 22.3#

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 10.698 ng

RT: 23.634 min Scan# 3463

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

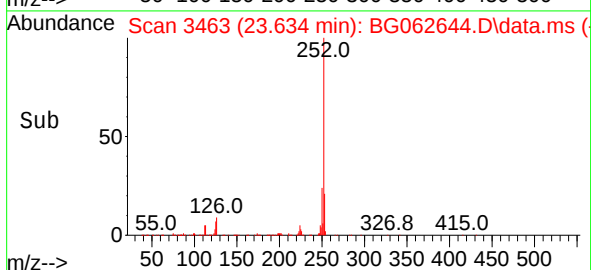
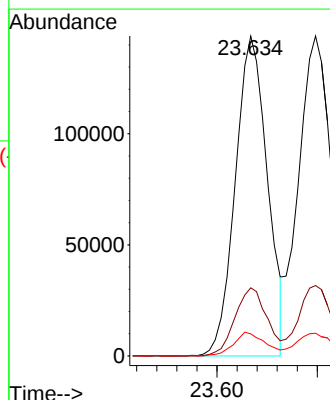
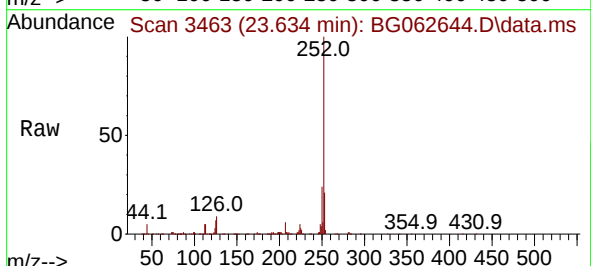
Tgt Ion:252 Resp: 319223

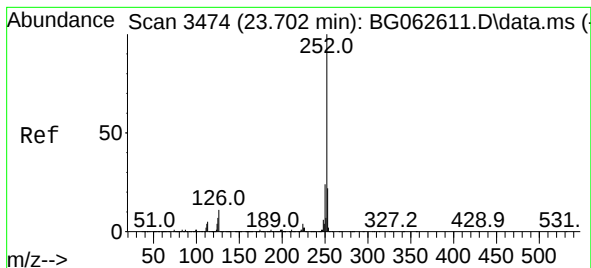
Ion Ratio Lower Upper

252 100

253 21.3 18.2 27.2

125 6.9 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 11.509 ng

RT: 23.698 min Scan# 3474

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

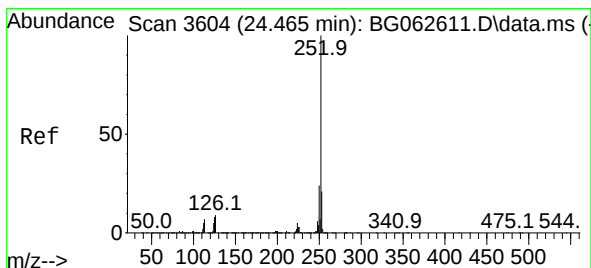
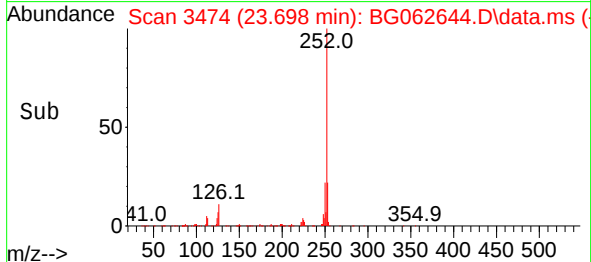
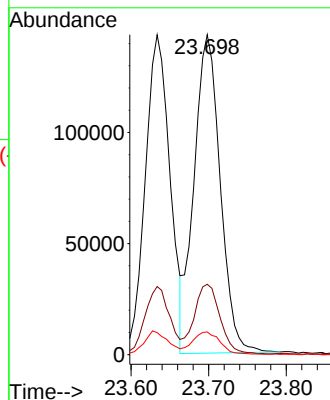
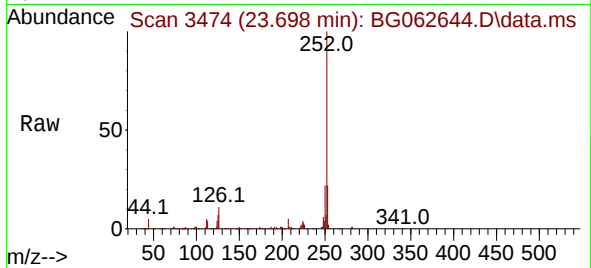
Tgt Ion:252 Resp: 335928

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 7.1 6.1 9.1



#90

Benzo(a)pyrene

Concen: 11.552 ng

RT: 24.462 min Scan# 3604

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

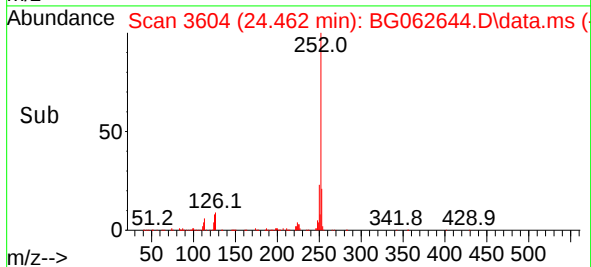
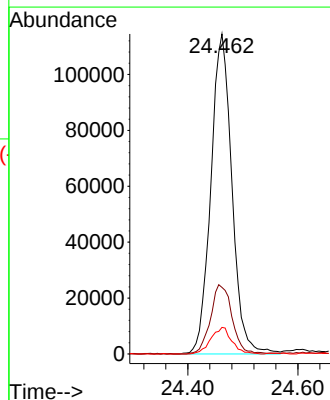
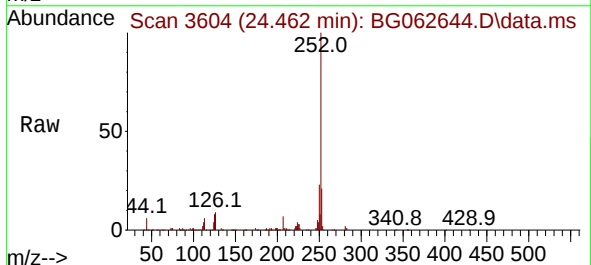
Tgt Ion:252 Resp: 304531

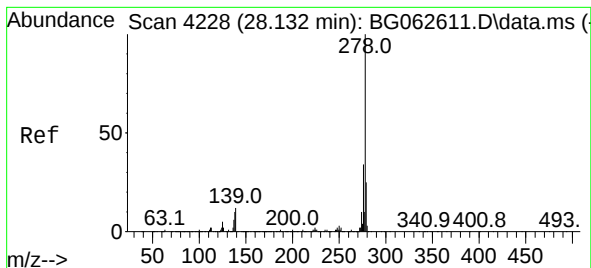
Ion Ratio Lower Upper

252 100

253 20.8 17.1 25.7

125 8.3 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 11.275 ng

RT: 28.128 min Scan# 41

Delta R.T. -0.003 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

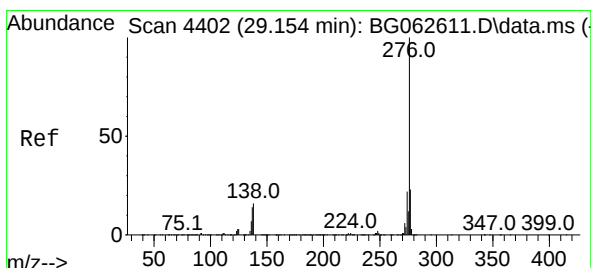
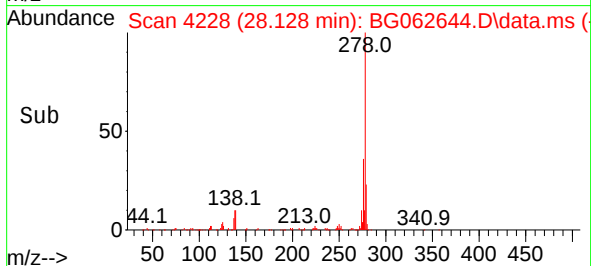
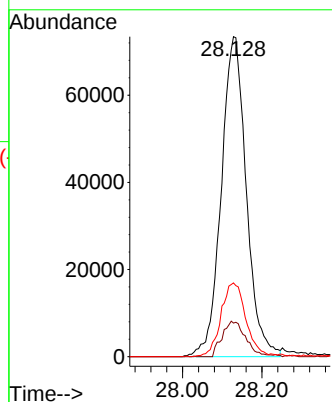
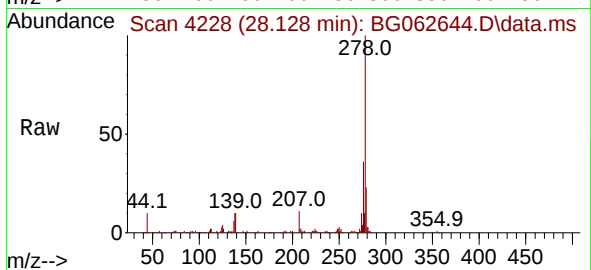
Tgt Ion:278 Resp: 321760

Ion Ratio Lower Upper

278 100

139 10.5 9.2 13.8

279 23.0 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 10.710 ng

RT: 29.156 min Scan# 4403

Delta R.T. 0.002 min

Lab File: BG062644.D

Acq: 4 Sep 2024 15:38

Tgt Ion:276 Resp: 308187

Ion Ratio Lower Upper

276 100

277 22.6 18.8 28.2

138 12.8 12.7 19.1

