

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
 Data File : BG062645.D
 Acq On : 4 Sep 2024 16:18
 Operator : MA/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10 ng
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 04 17:07:46 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	47524	20.000	ng	0.00
21) Naphthalene-d8	10.714	136	197002	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	160206	20.000	ng	0.00
64) Phenanthrene-d10	17.289	188	447857	20.000	ng	0.00
76) Chrysene-d12	21.537	240	493411	20.000	ng	0.00
86) Perylene-d12	24.604	264	557097	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	308887	112.348	ng	0.00
7) Phenol-d6	7.089	99	438088	110.298	ng	0.00
23) Nitrobenzene-d5	9.075	82	310871	84.986	ng	0.00
42) 2,4,6-Tribromophenol	16.032	330	290715	128.943	ng	0.00
45) 2-Fluorobiphenyl	13.170	172	817773	82.682	ng	0.00
79) Terphenyl-d14	19.909	244	1889335	75.925	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.411	88	13549	11.829	ng	96
3) Pyridine	3.805	79	32312	9.791	ng	96
4) n-Nitrosodimethylamine	3.717	42	15129	9.430	ng	# 93
6) Aniline	7.248	93	41157	11.091	ng	93
8) 2-Chlorophenol	7.489	128	28673	9.714	ng	96
9) Benzaldehyde	7.060	77	30061	13.011	ng	99
10) Phenol	7.113	94	39045	9.710	ng	99
11) bis(2-Chloroethyl)ether	7.342	93	29575	9.607	ng	98
12) 1,3-Dichlorobenzene	7.812	146	30561	9.435	ng	98
13) 1,4-Dichlorobenzene	7.959	146	32002	9.600	ng	89
14) 1,2-Dichlorobenzene	8.276	146	30088	9.182	ng	99
15) Benzyl Alcohol	8.152	79	26226	8.924	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.440	45	52086	8.877	ng	98
17) 2-Methylphenol	8.364	107	24518	8.748	ng	99
18) Hexachloroethane	9.004	117	11926	9.541	ng	95
19) n-Nitroso-di-n-propyla...	8.717	70	26471	8.458	ng	99
20) 3+4-Methylphenols	8.681	107	33657	8.140	ng	97
22) Acetophenone	8.740	105	50055	9.418	ng	# 95
24) Nitrobenzene	9.116	77	37665	9.684	ng	95
25) Isophorone	9.633	82	74147	9.234	ng	98
26) 2-Nitrophenol	9.833	139	13921	9.473	ng	98
27) 2,4-Dimethylphenol	9.886	122	20993	9.749	ng	96
28) bis(2-Chloroethoxy)met...	10.121	93	41013	9.541	ng	98
29) 2,4-Dichlorophenol	10.362	162	28843	9.580	ng	99
30) 1,2,4-Trichlorobenzene	10.579	180	34929	9.787	ng	97
31) Naphthalene	10.767	128	96281	9.860	ng	98
32) Benzoic acid	9.956	122	10320	4.456	ng	99
33) 4-Chloroaniline	10.867	127	39453	10.267	ng	94
34) Hexachlorobutadiene	11.055	225	23911	9.592	ng	95
35) Caprolactam	11.607	113	10463	9.015	ng	91
36) 4-Chloro-3-methylphenol	11.989	107	33121	9.120	ng	96
37) 2-Methylnaphthalene	12.371	142	71815	9.482	ng	95
38) 1-Methylnaphthalene	12.588	142	69678	9.162	ng	96
40) 1,2,4,5-Tetrachloroben...	12.735	216	49477	10.269	ng	98
41) Hexachlorocyclopentadiene	12.724	237	15214	11.068	ng	92
43) 2,4,6-Trichlorophenol	12.976	196	29242	9.574	ng	96

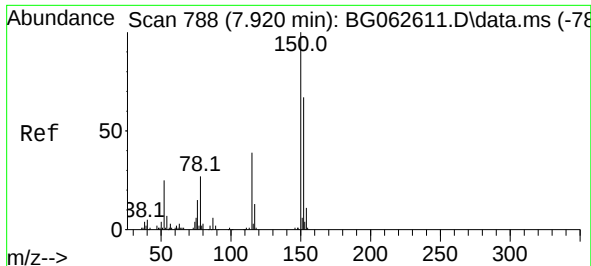
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
 Data File : BG062645.D
 Acq On : 4 Sep 2024 16:18
 Operator : MA/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10 ng
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 04 17:07:46 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)
44) 2,4,5-Trichlorophenol	13.047	196	33634	9.724	ng	93
46) 1,1'-Biphenyl	13.382	154	109158	10.213	ng	97
47) 2-Chloronaphthalene	13.423	162	84871	9.798	ng	98
48) 2-Nitroaniline	13.623	65	22816	10.015	ng	98
49) Acenaphthylene	14.269	152	135509	10.564	ng	97
50) Dimethylphthalate	13.999	163	117958	10.069	ng	# 99
51) 2,6-Dinitrotoluene	14.116	165	20975	9.466	ng	98
52) Acenaphthene	14.610	154	78238	9.757	ng	97
53) 3-Nitroaniline	14.445	138	21219	9.897	ng	# 92
54) 2,4-Dinitrophenol	14.651	184	10328	8.306	ng	# 84
55) Dibenzofuran	14.945	168	140557	10.221	ng	98
56) 4-Nitrophenol	14.751	139	17852	9.825	ng	93
57) 2,4-Dinitrotoluene	14.903	165	30316	10.028	ng	92
58) Fluorene	15.597	166	109184	10.117	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.168	232	34312	10.472	ng	# 95
60) Diethylphthalate	15.362	149	113816	9.803	ng	96
61) 4-Chlorophenyl-phenyle...	15.591	204	63413	10.235	ng	96
62) 4-Nitroaniline	15.603	138	24771	10.478	ng	91
63) Azobenzene	15.879	77	107808	9.888	ng	98
65) 4,6-Dinitro-2-methylph...	15.667	198	16089	8.050	ng	94
66) n-Nitrosodiphenylamine	15.802	169	100002	9.287	ng	97
67) 4-Bromophenyl-phenylether	16.478	248	43969	9.513	ng	97
68) Hexachlorobenzene	16.596	284	54560	9.967	ng	94
69) Atrazine	16.748	200	44662	12.212	ng	97
70) Pentachlorophenol	16.942	266	29187	8.325	ng	91
71) Phenanthrene	17.330	178	218721	10.463	ng	96
72) Anthracene	17.418	178	215156	10.468	ng	99
73) Carbazole	17.688	167	186204	9.855	ng	99
74) Di-n-butylphthalate	18.252	149	206461	9.689	ng	99
75) Fluoranthene	19.345	202	272991	10.326	ng	99
77) Benzidine	19.522	184	130664	14.693	ng	97
78) Pyrene	19.704	202	295743	9.429	ng	98
80) Butylbenzylphthalate	20.597	149	80051	8.689	ng	92
81) Benzo(a)anthracene	21.513	228	315011	10.122	ng	97
82) 3,3'-Dichlorobenzidine	21.437	252	108882	10.740	ng	98
83) Chrysene	21.578	228	306111	10.269	ng	98
84) Bis(2-ethylhexyl)phtha...	21.437	149	124749	8.913	ng	# 95
85) Di-n-octyl phthalate	22.594	149	209153	8.535	ng	100
87) Indeno(1,2,3-cd)pyrene	28.059	276	357568	10.010	ng	# 91
88) Benzo(b)fluoranthene	23.634	252	293243	9.530	ng	100
89) Benzo(k)fluoranthene	23.693	252	298265	9.909	ng	100
90) Benzo(a)pyrene	24.457	252	276932	10.187	ng	98
91) Dibenzo(a,h)anthracene	28.117	278	293770	9.983	ng	98
92) Benzo(g,h,i)perylene	29.140	276	274462	9.249	ng	98

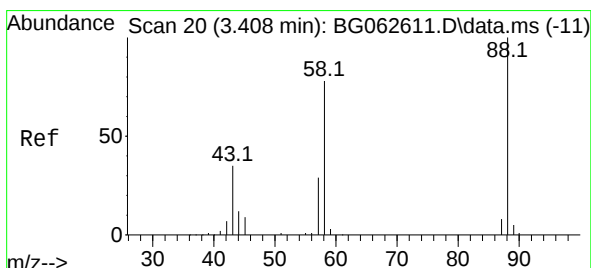
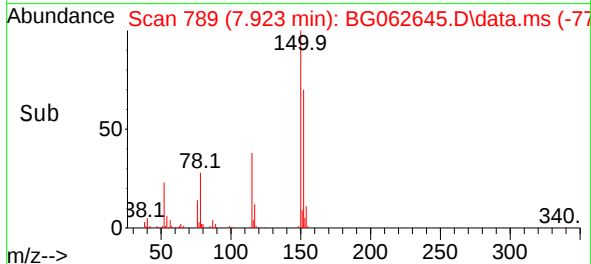
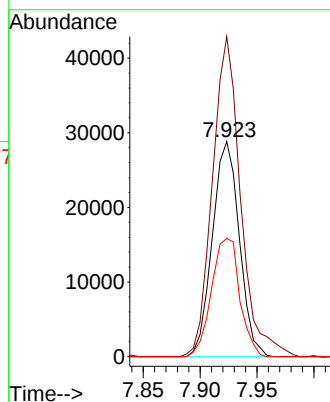
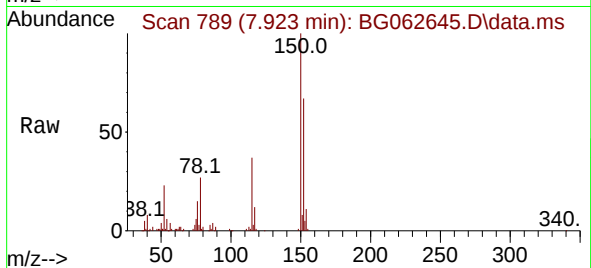
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

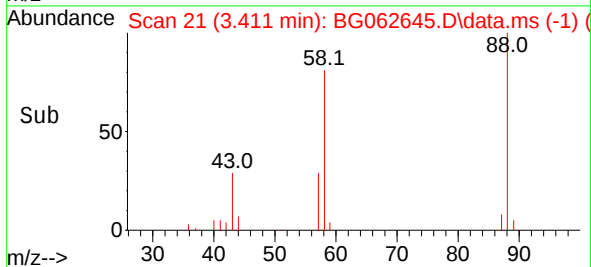
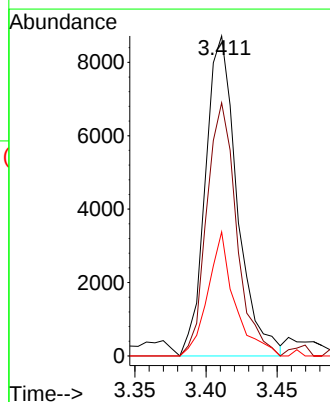
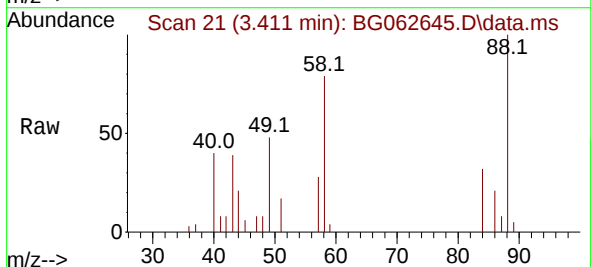
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

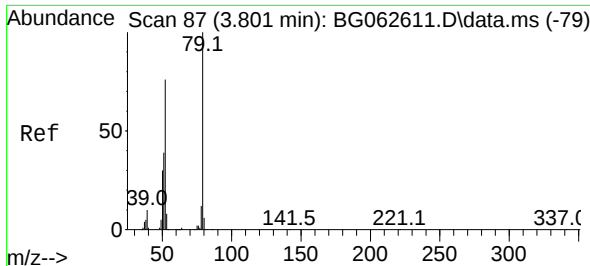
Tgt Ion:152 Resp: 47524
Ion Ratio Lower Upper
152 100
150 148.6 119.9 179.9
115 54.9 46.6 69.8



#2
1,4-Dioxane
Concen: 11.829 ng
RT: 3.411 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion: 88 Resp: 13549
Ion Ratio Lower Upper
88 100
58 74.3 62.3 93.5
43 32.7 27.5 41.3

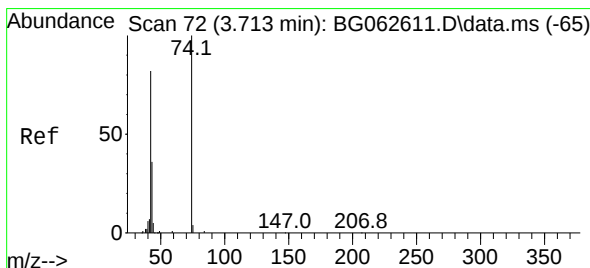
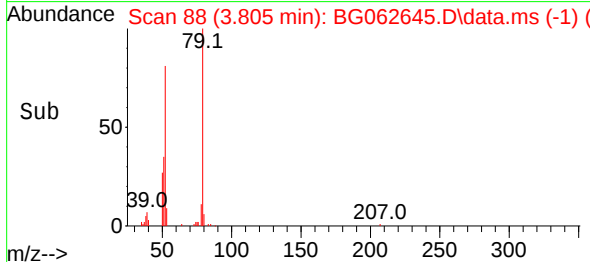
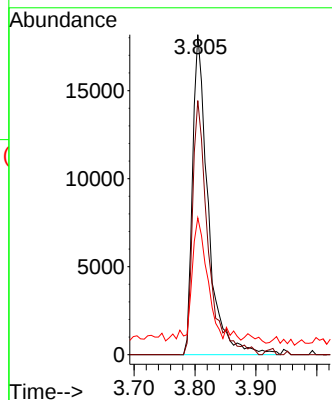
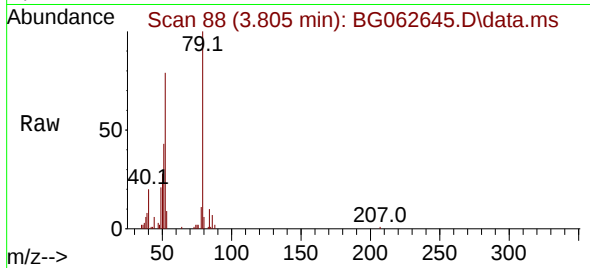




#3
 Pyridine
 Concen: 9.791 ng
 RT: 3.805 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: BG062645.D
 Acq: 4 Sep 2024 16:18

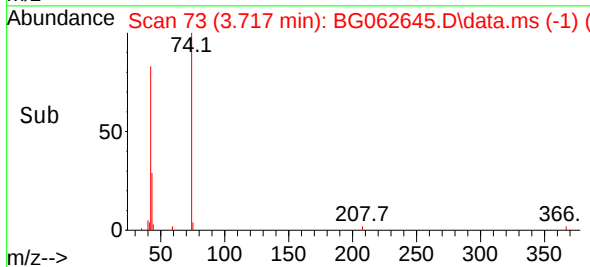
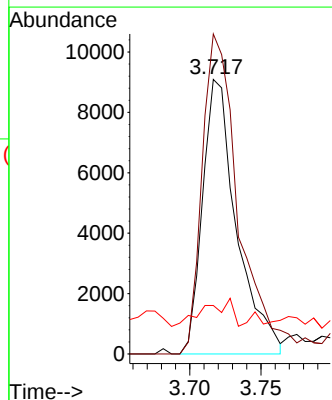
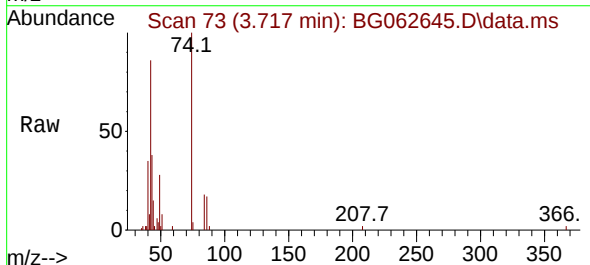
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

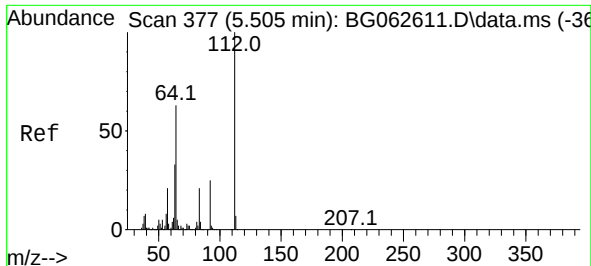
Tgt Ion: 79 Resp: 32312
 Ion Ratio Lower Upper
 79 100
 52 79.4 60.9 91.3
 51 42.8 31.5 47.3



#4
 n-Nitrosodimethylamine
 Concen: 9.430 ng
 RT: 3.717 min Scan# 73
 Delta R.T. 0.003 min
 Lab File: BG062645.D
 Acq: 4 Sep 2024 16:18

Tgt Ion: 42 Resp: 15129
 Ion Ratio Lower Upper
 42 100
 74 116.5 98.0 147.0
 44 17.7 7.4 11.2#

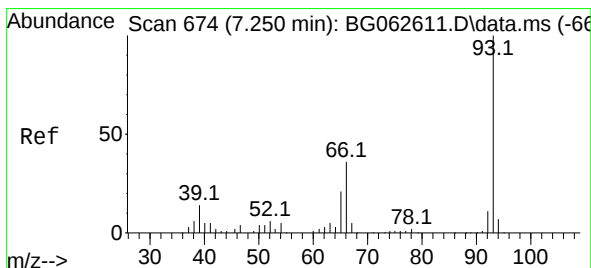
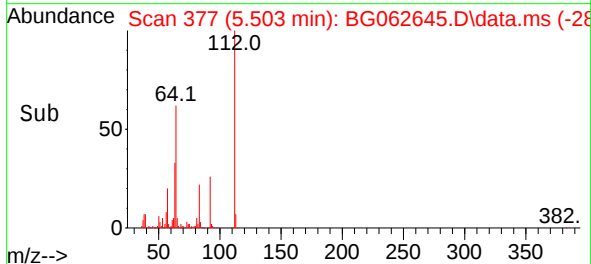
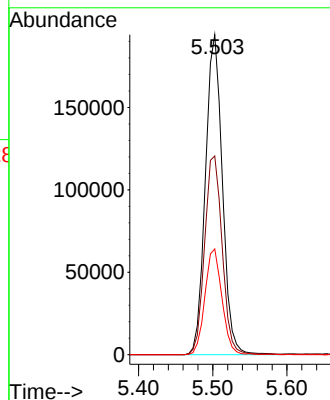
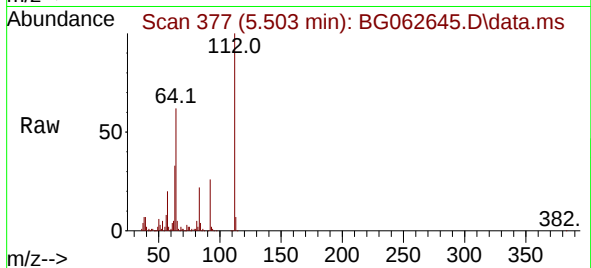




#5
2-Fluorophenol
Concen: 112.348 ng
RT: 5.503 min Scan# 377
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

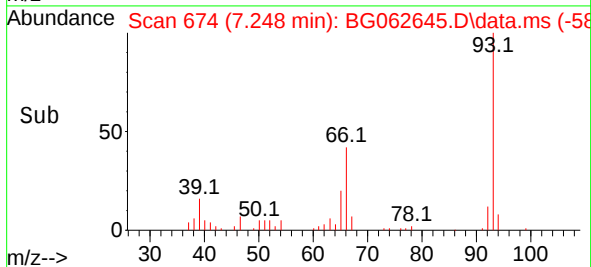
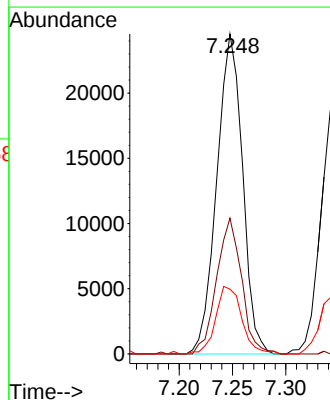
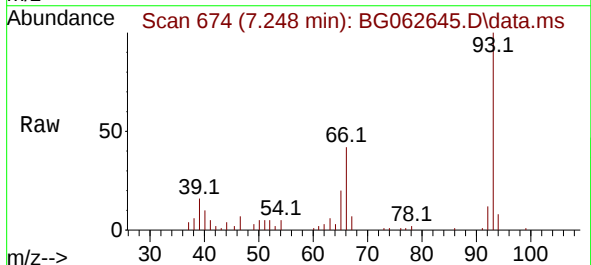
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

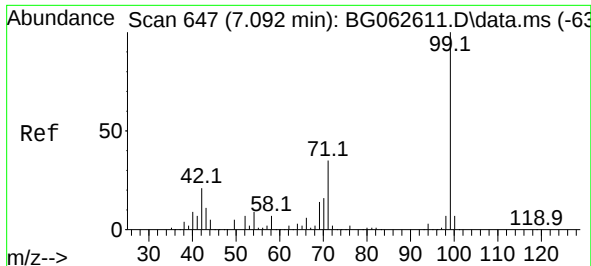
Tgt Ion:112 Resp: 308887
Ion Ratio Lower Upper
112 100
64 62.1 50.2 75.2
63 33.1 26.6 39.8



#6
Aniline
Concen: 11.091 ng
RT: 7.248 min Scan# 674
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion: 93 Resp: 41157
Ion Ratio Lower Upper
93 100
66 42.5 29.1 43.7
65 20.3 16.6 25.0

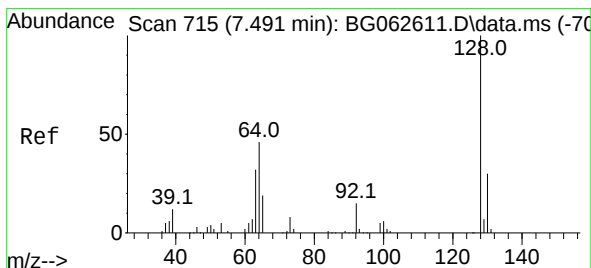
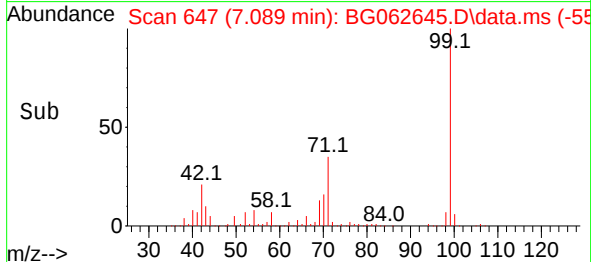
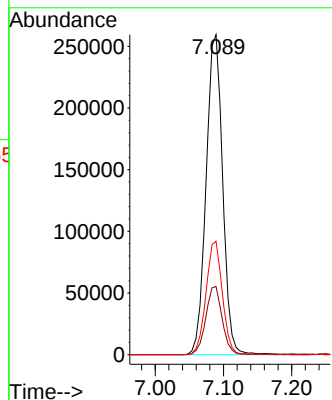
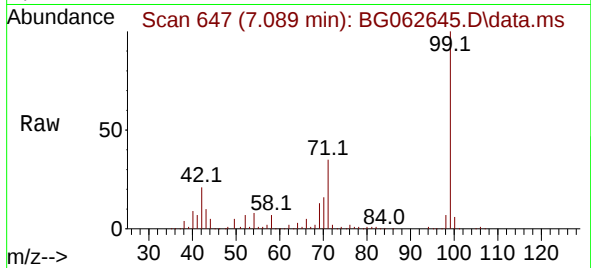




#7
Phenol-d6
Concen: 110.298 ng
RT: 7.089 min Scan# 647
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

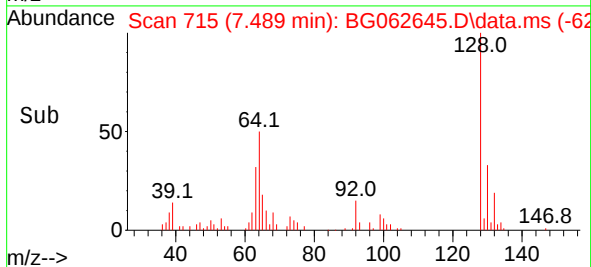
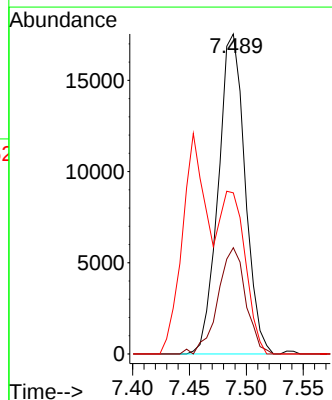
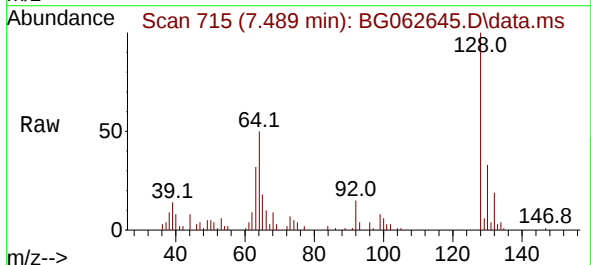
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

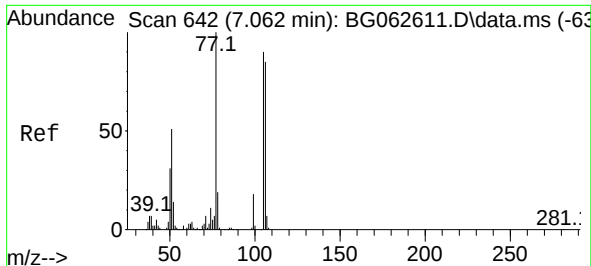
Tgt Ion: 99 Resp: 438088
Ion Ratio Lower Upper
99 100
42 21.3 16.9 25.3
71 35.5 27.9 41.9



#8
2-Chlorophenol
Concen: 9.714 ng
RT: 7.489 min Scan# 715
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:128 Resp: 28673
Ion Ratio Lower Upper
128 100
130 33.2 10.0 50.0
64 50.3 28.8 68.8

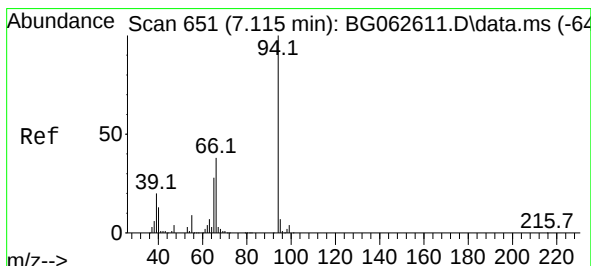
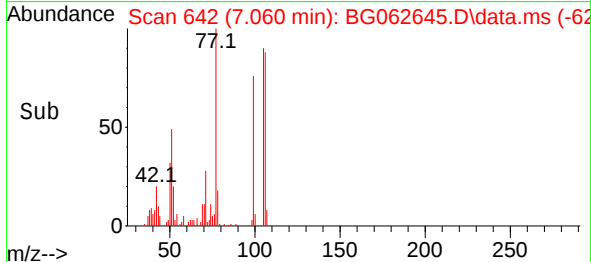
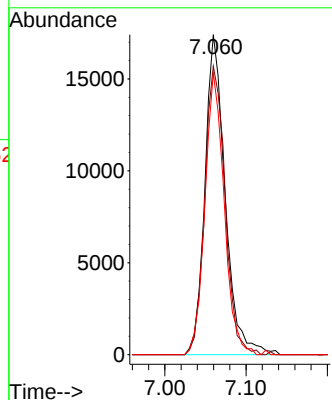
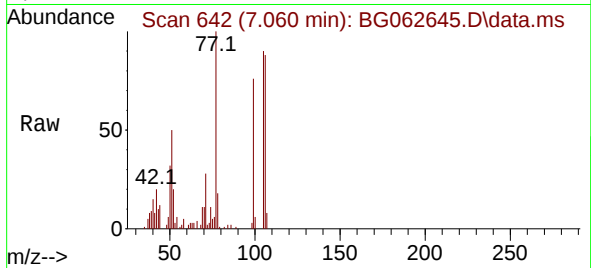




#9
Benzaldehyde
Concen: 13.011 ng
RT: 7.060 min Scan# 642
Delta R.T. -0.002 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

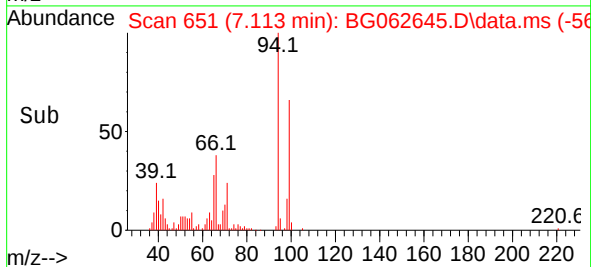
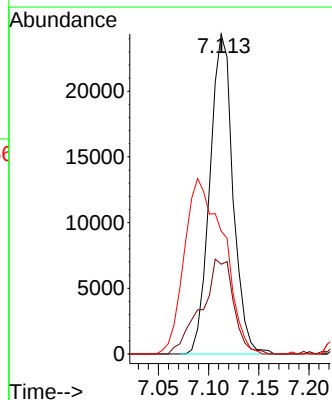
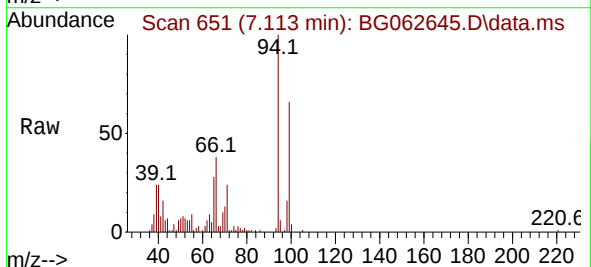
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

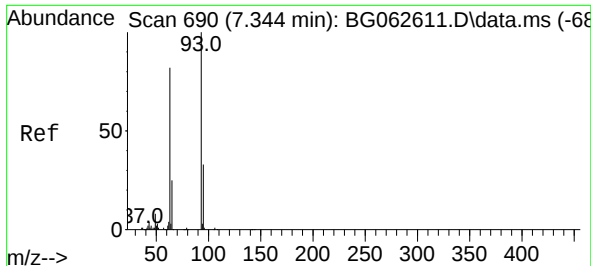
Tgt Ion: 77 Resp: 30061
Ion Ratio Lower Upper
77 100
105 90.2 70.2 110.2
106 88.0 65.4 105.4



#10
Phenol
Concen: 9.710 ng
RT: 7.113 min Scan# 651
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion: 94 Resp: 39045
Ion Ratio Lower Upper
94 100
65 28.1 8.6 48.6
66 38.4 18.2 58.2

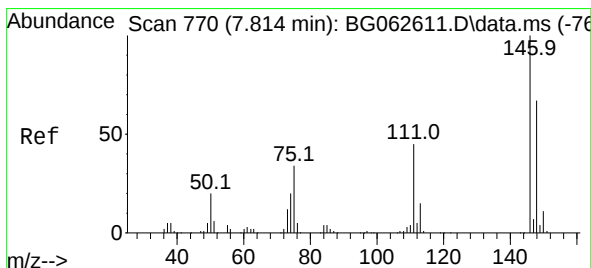
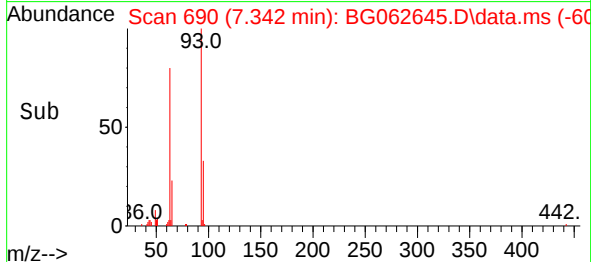
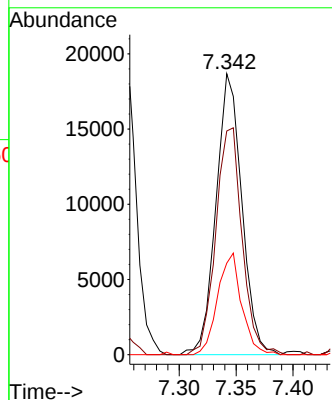
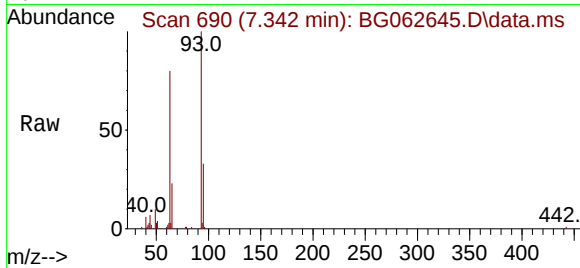




#11
bis(2-Chloroethyl)ether
Concen: 9.607 ng
RT: 7.342 min Scan# 690
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

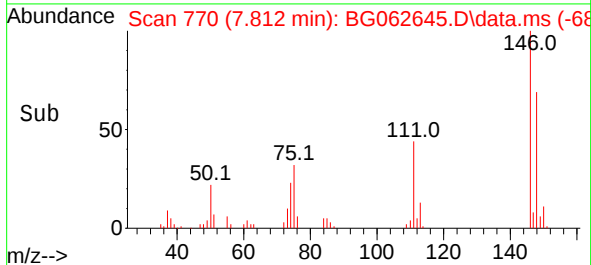
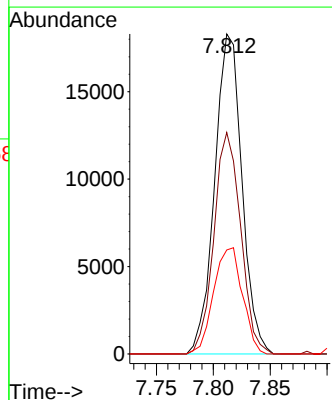
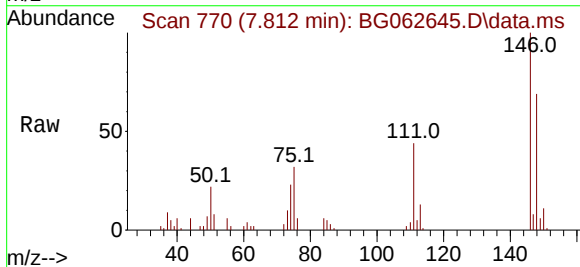
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

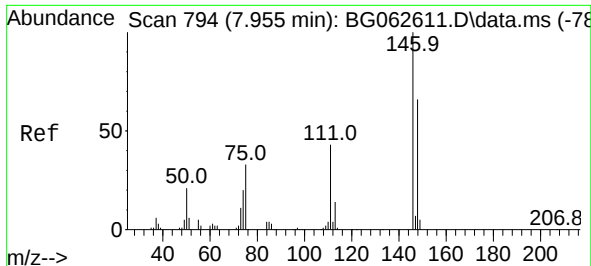
Tgt Ion: 93 Resp: 29575
Ion Ratio Lower Upper
93 100
63 79.6 61.9 101.9
95 32.6 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 9.435 ng
RT: 7.812 min Scan# 770
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:146 Resp: 30561
Ion Ratio Lower Upper
146 100
148 69.2 53.9 80.9
75 32.5 27.0 40.4

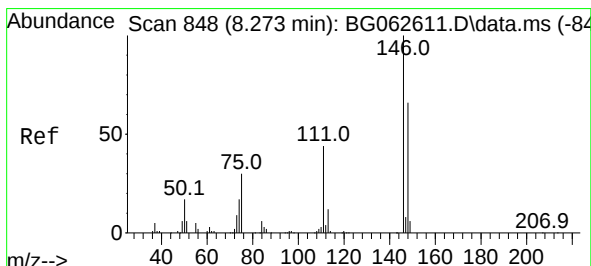
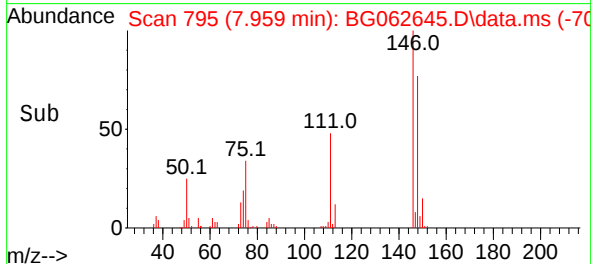
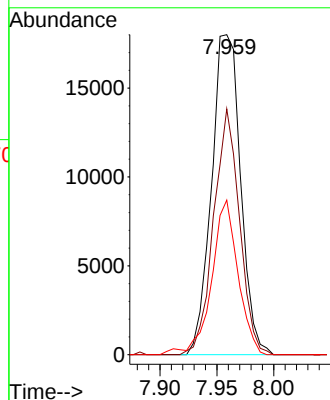
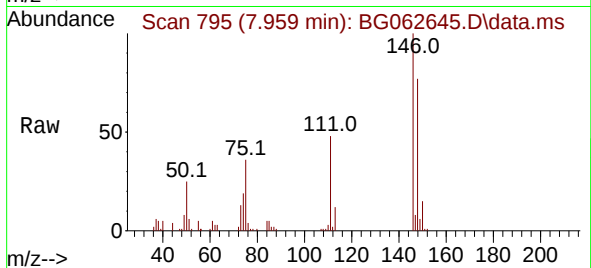




#13
1,4-Dichlorobenzene
Concen: 9.600 ng
RT: 7.959 min Scan# 795
Delta R.T. 0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

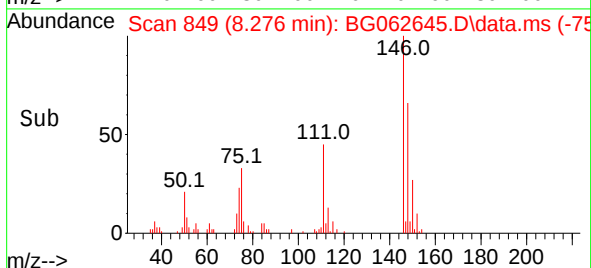
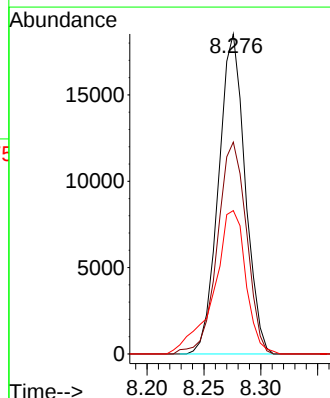
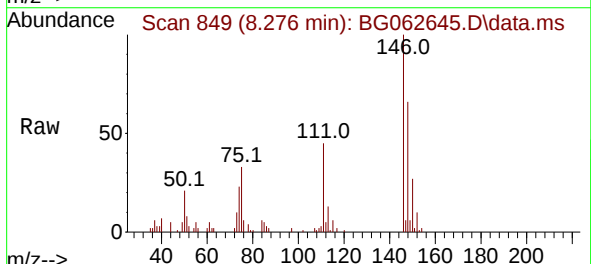
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

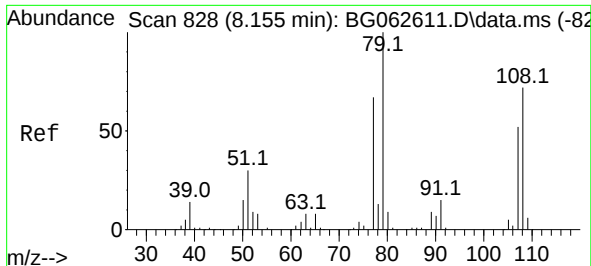
Tgt Ion:146 Resp: 32002
Ion Ratio Lower Upper
146 100
148 76.8 53.0 79.6
111 48.3 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 9.182 ng
RT: 8.276 min Scan# 849
Delta R.T. 0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:146 Resp: 30088
Ion Ratio Lower Upper
146 100
148 66.2 52.5 78.7
111 44.8 35.5 53.3





#15

Benzyl Alcohol

Concen: 8.924 ng

RT: 8.152 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

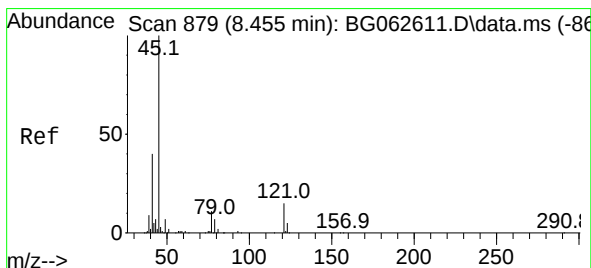
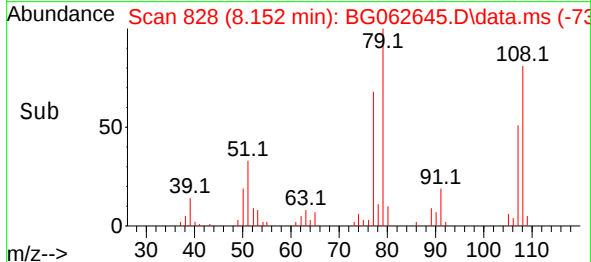
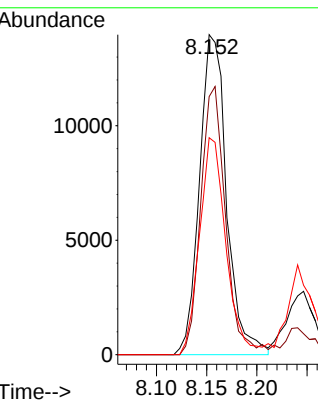
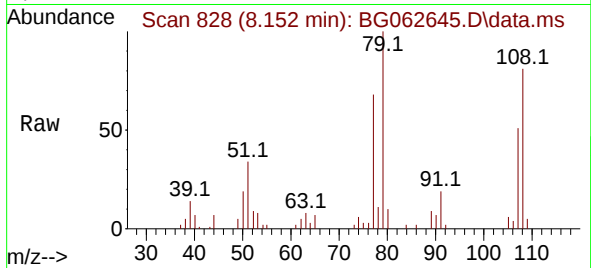
Tgt Ion: 79 Resp: 26226

Ion Ratio Lower Upper

79 100

108 80.7 57.9 86.9

77 67.8 53.4 80.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.877 ng

RT: 8.440 min Scan# 877

Delta R.T. -0.014 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

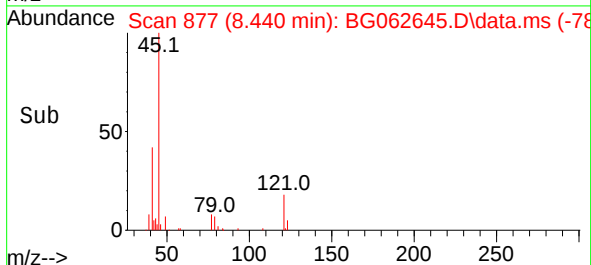
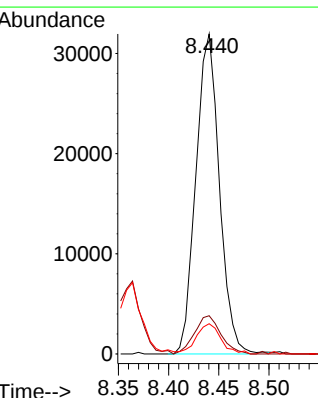
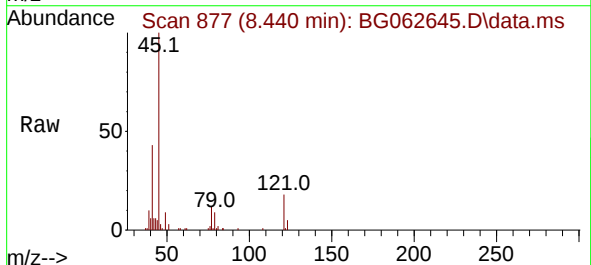
Tgt Ion: 45 Resp: 52086

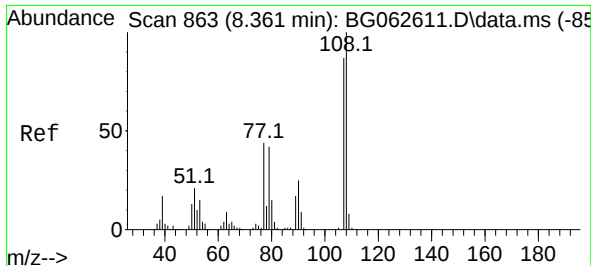
Ion Ratio Lower Upper

45 100

77 11.9 0.0 31.7

79 9.4 0.0 28.3





#17

2-Methylphenol

Concen: 8.748 ng

RT: 8.364 min Scan# 8

Delta R.T. 0.003 min

Lab File: BG062645.D

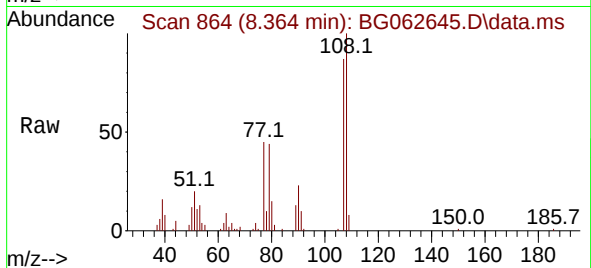
Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:107 Resp: 24518

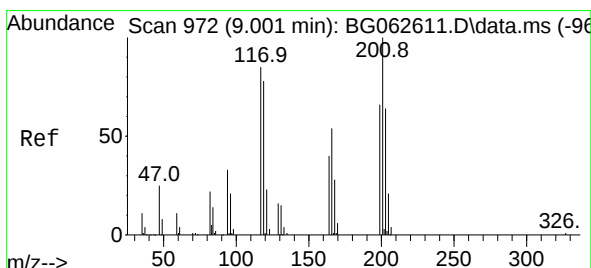
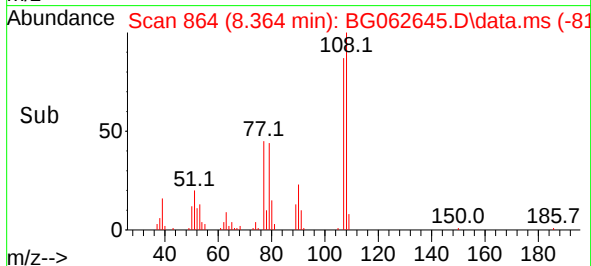
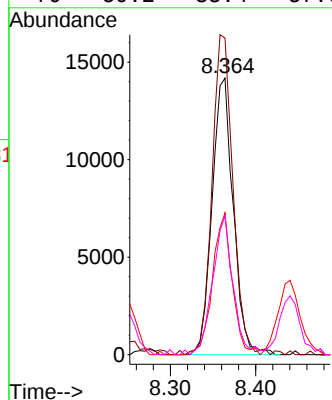
Ion Ratio Lower Upper

107 100

108 114.5 91.5 137.3

77 51.3 40.0 60.0

79 50.2 38.4 57.6



#18

Hexachloroethane

Concen: 9.541 ng

RT: 9.004 min Scan# 973

Delta R.T. 0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

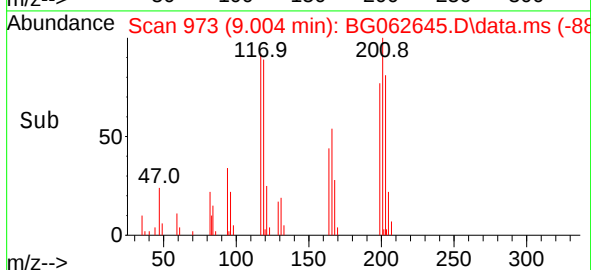
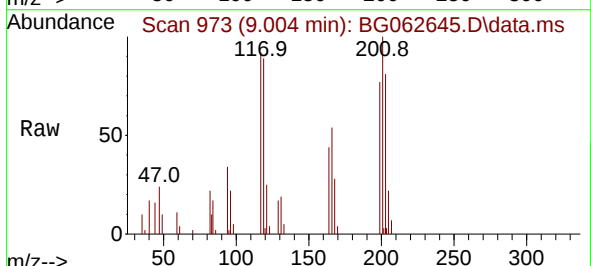
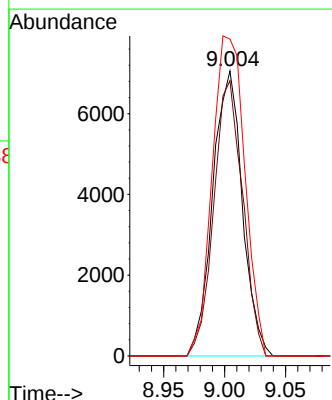
Tgt Ion:117 Resp: 11926

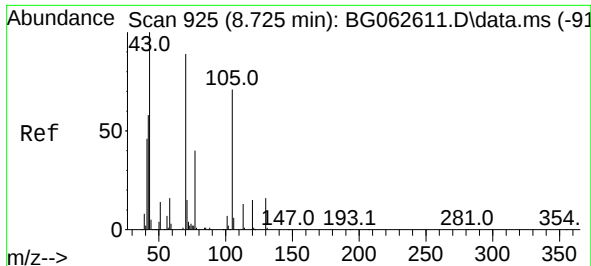
Ion Ratio Lower Upper

117 100

119 96.6 73.4 110.0

201 111.2 93.9 140.9

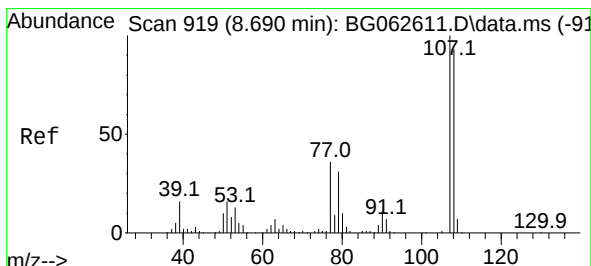
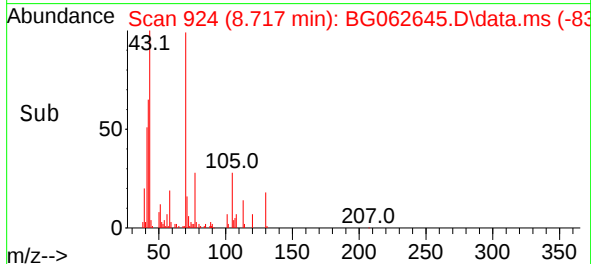
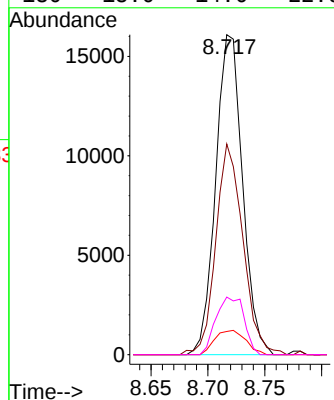
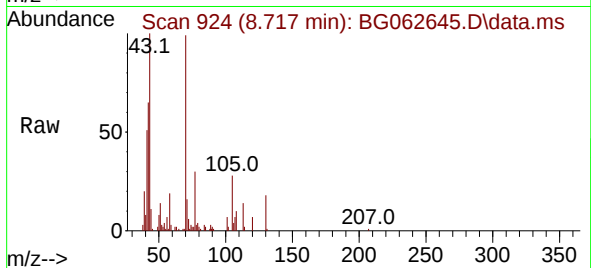




#19
n-Nitroso-di-n-propylamine
Concen: 8.458 ng
RT: 8.717 min Scan# 918
Delta R.T. -0.009 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

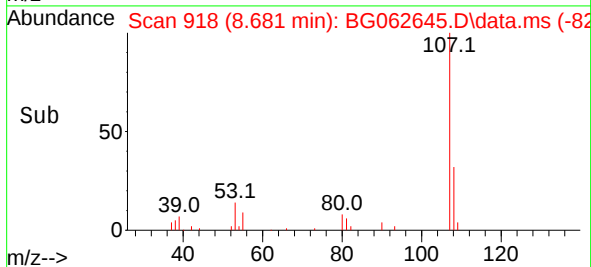
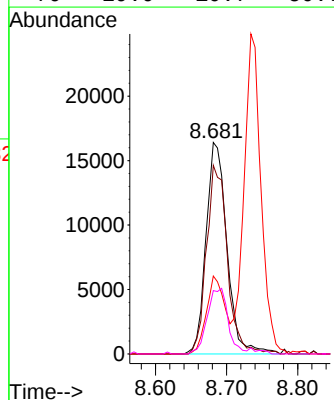
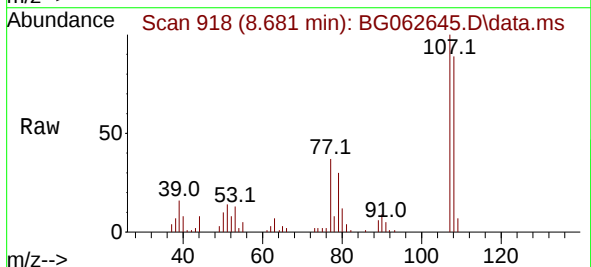
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

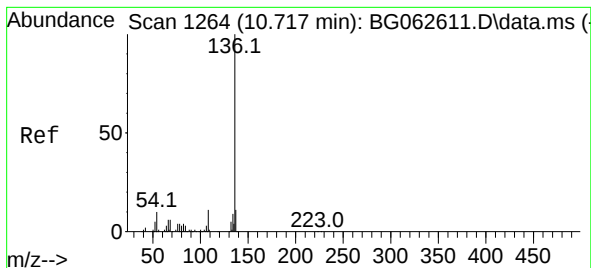
Tgt Ion: 70 Resp: 26471
Ion Ratio Lower Upper
70 100
42 65.9 52.3 78.5
101 7.2 6.6 9.8
130 18.0 14.6 22.0



#20
3+4-Methylphenols
Concen: 8.140 ng
RT: 8.681 min Scan# 918
Delta R.T. -0.008 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion: 107 Resp: 33657
Ion Ratio Lower Upper
107 100
108 89.2 72.7 112.7
77 36.8 16.5 56.5
79 29.9 10.7 50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.714 min Scan# 1264

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:136 Resp: 197002

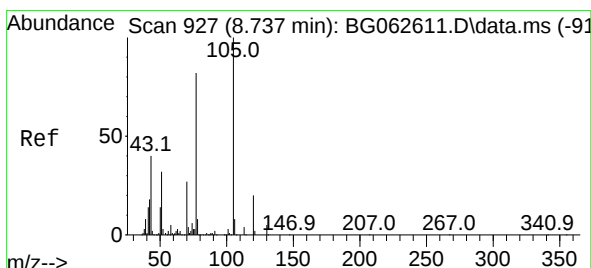
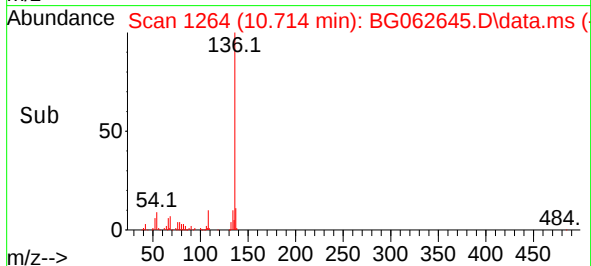
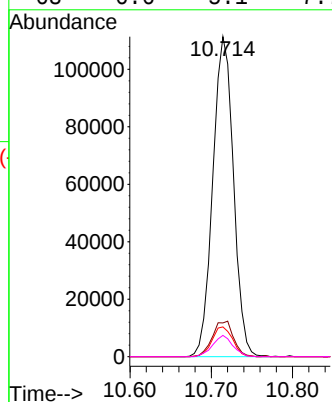
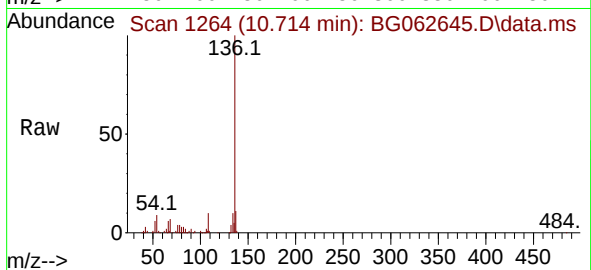
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 9.3 7.8 11.6

68 6.6 5.1 7.7



#22

Acetophenone

Concen: 9.418 ng

RT: 8.740 min Scan# 928

Delta R.T. 0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Tgt Ion:105 Resp: 50055

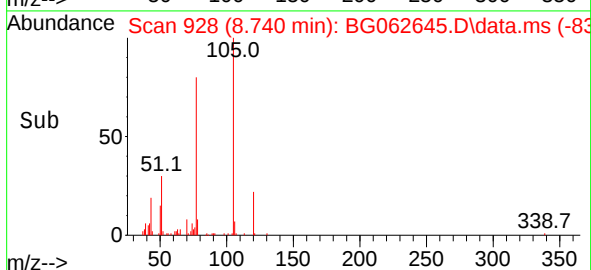
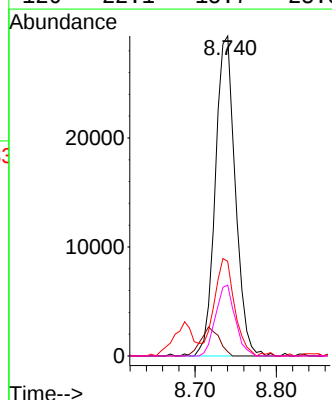
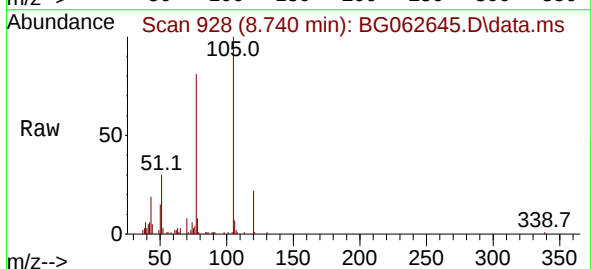
Ion Ratio Lower Upper

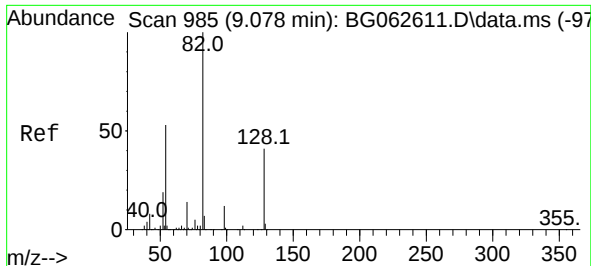
105 100

71 1.3 3.5 5.3#

51 29.5 25.7 38.5

120 22.1 15.7 23.5





#23

Nitrobenzene-d5

Concen: 84.986 ng

RT: 9.075 min Scan# 91

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

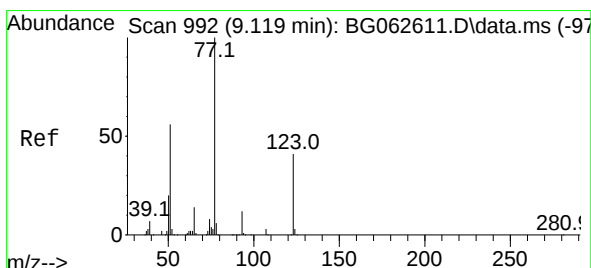
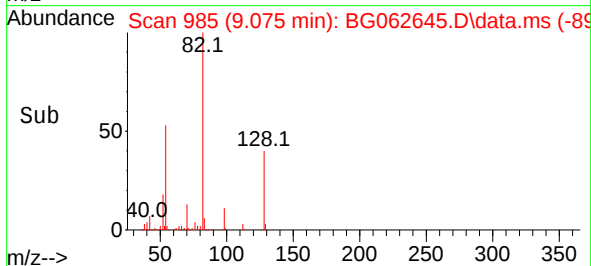
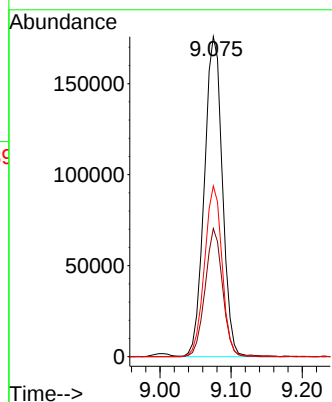
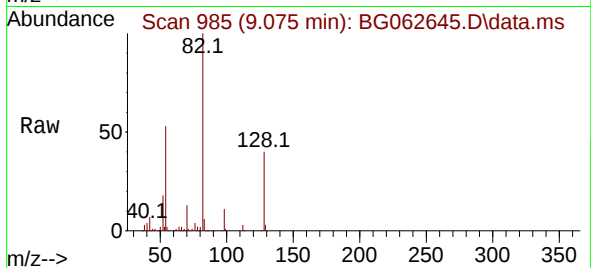
Tgt Ion: 82 Resp: 310871

Ion Ratio Lower Upper

82 100

128 40.1 32.5 48.7

54 53.4 42.5 63.7



#24

Nitrobenzene

Concen: 9.684 ng

RT: 9.116 min Scan# 992

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

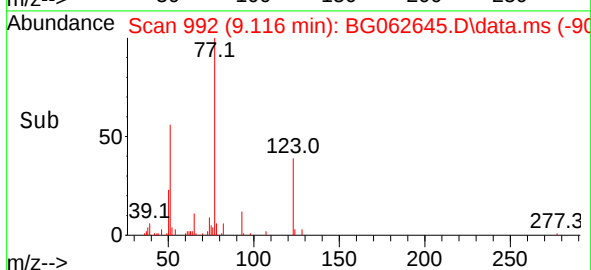
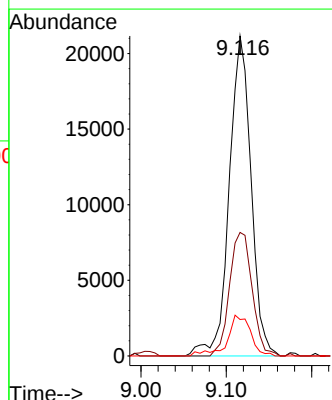
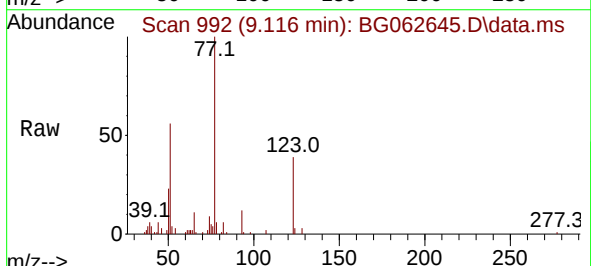
Tgt Ion: 77 Resp: 37665

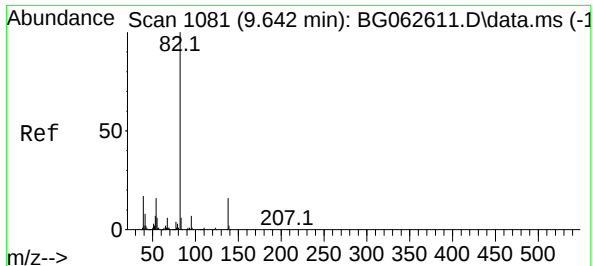
Ion Ratio Lower Upper

77 100

123 38.6 33.1 49.7

65 11.4 11.0 16.4





#25

Isophorone

Concen: 9.234 ng

RT: 9.633 min Scan# 1108

Delta R.T. -0.008 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

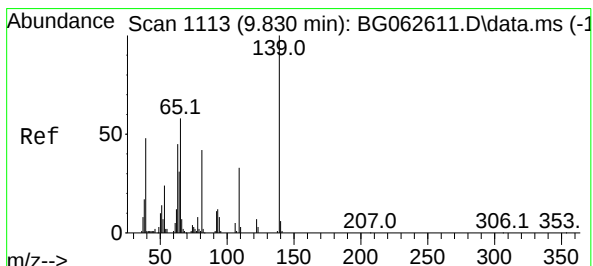
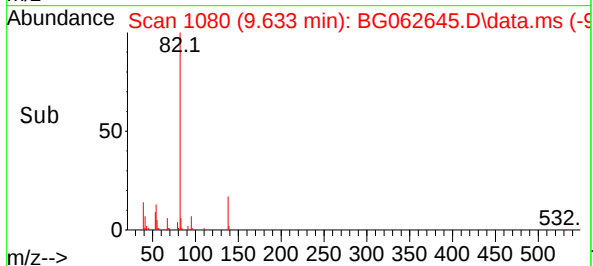
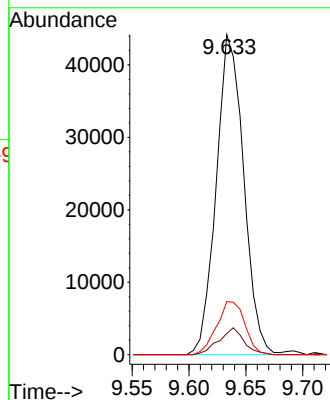
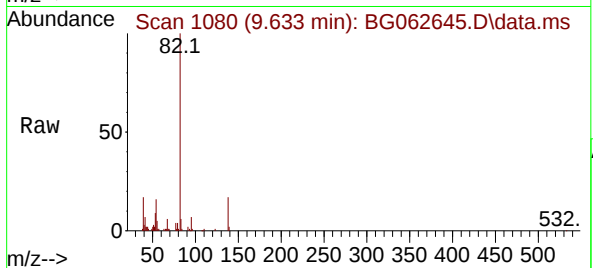
Tgt Ion: 82 Resp: 74147

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.0

138 16.6 12.6 18.8



#26

2-Nitrophenol

Concen: 9.473 ng

RT: 9.833 min Scan# 1114

Delta R.T. 0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

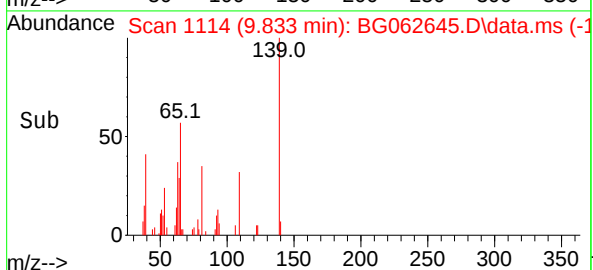
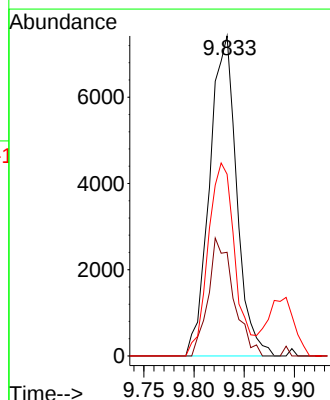
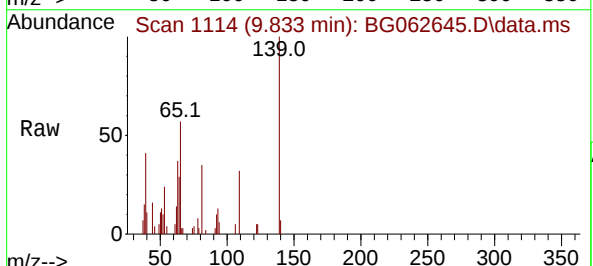
Tgt Ion:139 Resp: 13921

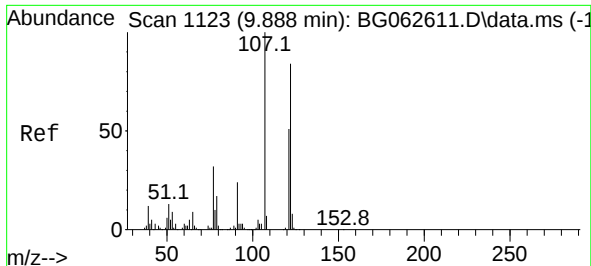
Ion Ratio Lower Upper

139 100

109 32.4 26.6 39.8

65 56.8 46.5 69.7





#27

2,4-Dimethylphenol

Concen: 9.749 ng

RT: 9.886 min Scan# 1123

Delta R.T. -0.003 min

Lab File: BG062645.D

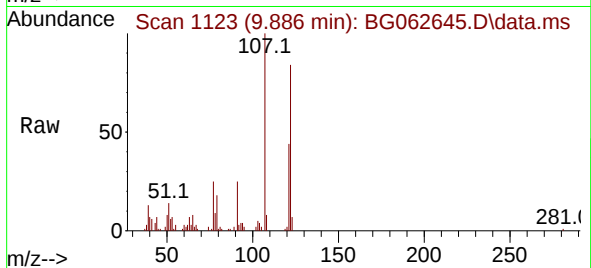
Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



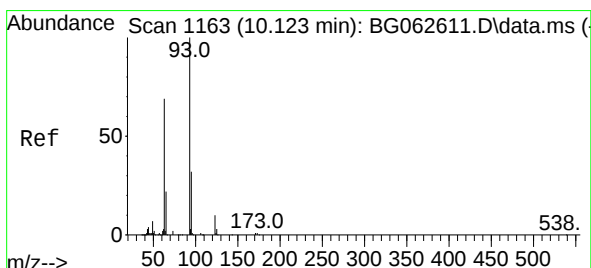
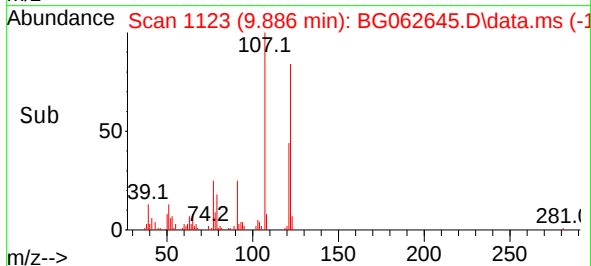
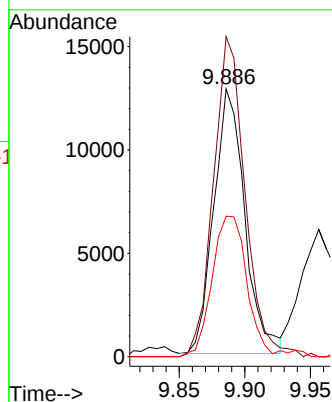
Tgt Ion:122 Resp: 20993

Ion Ratio Lower Upper

122 100

107 119.5 95.8 143.6

121 52.5 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 9.541 ng

RT: 10.121 min Scan# 1163

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

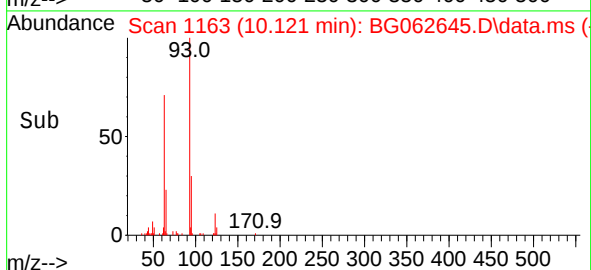
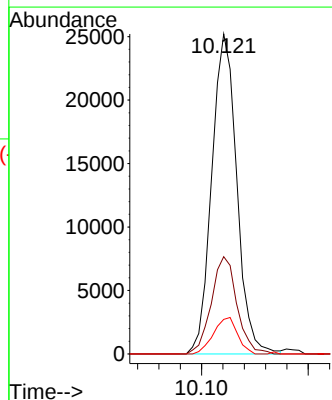
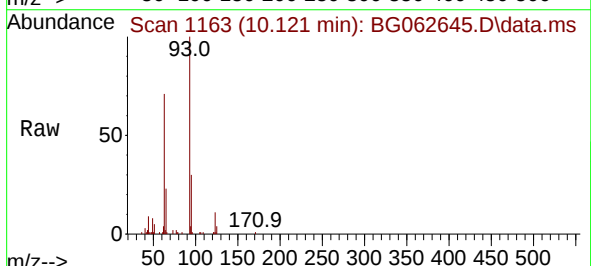
Tgt Ion: 93 Resp: 41013

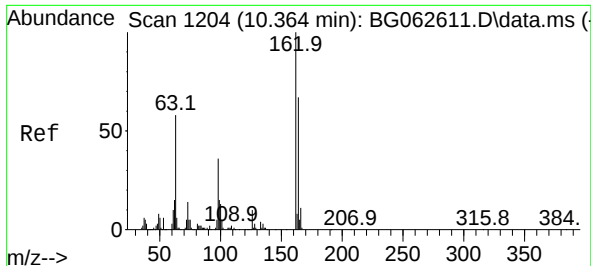
Ion Ratio Lower Upper

93 100

95 30.4 25.4 38.0

123 10.8 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 9.580 ng

RT: 10.362 min Scan# 1204

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

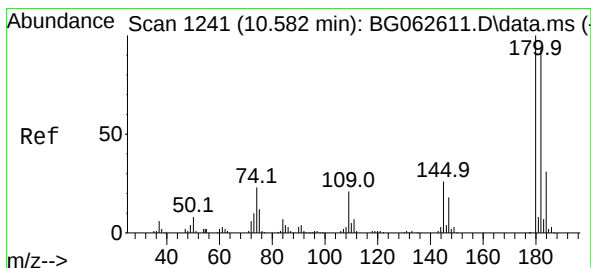
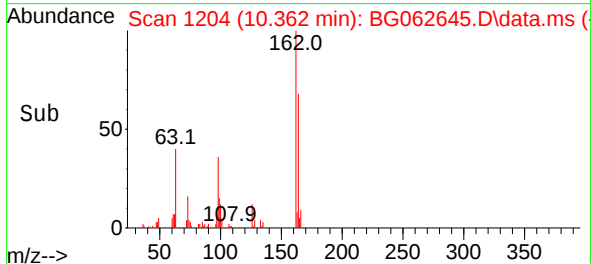
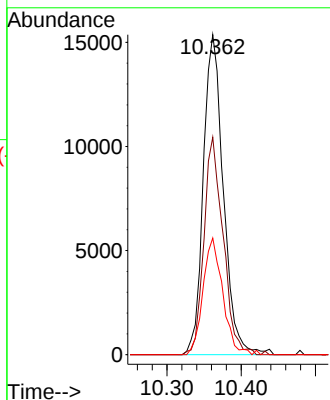
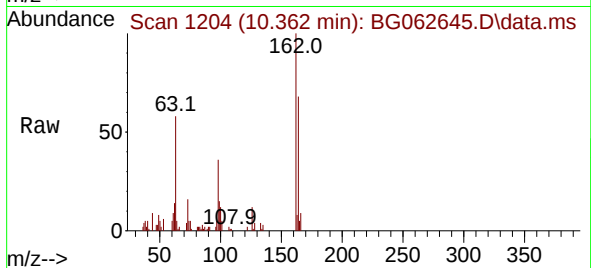
Tgt Ion:162 Resp: 28843

Ion Ratio Lower Upper

162 100

164 68.0 46.8 86.8

98 36.5 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 9.787 ng

RT: 10.579 min Scan# 1241

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

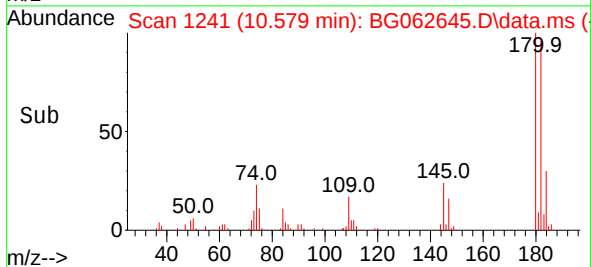
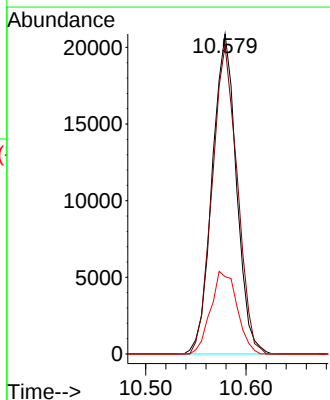
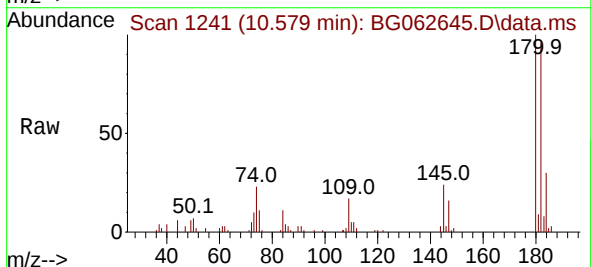
Tgt Ion:180 Resp: 34929

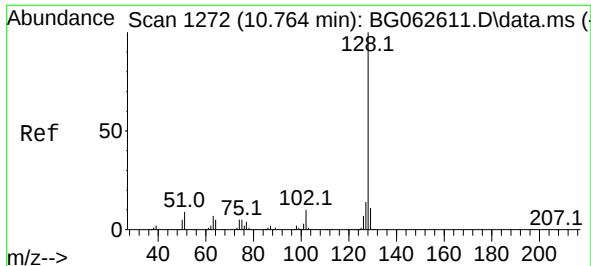
Ion Ratio Lower Upper

180 100

182 96.4 75.1 112.7

145 24.2 20.8 31.2

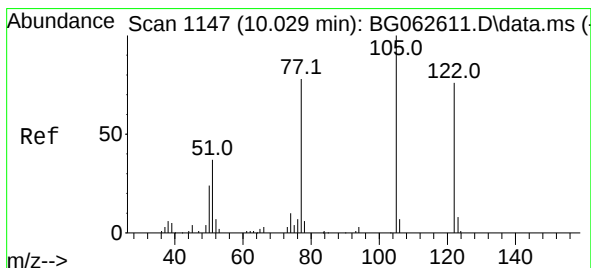
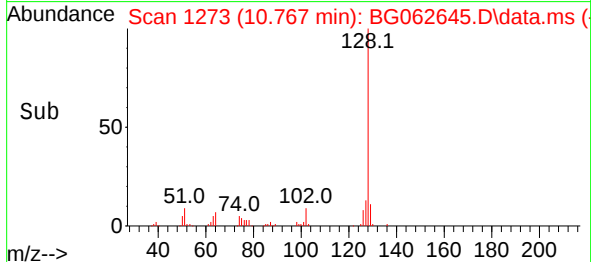
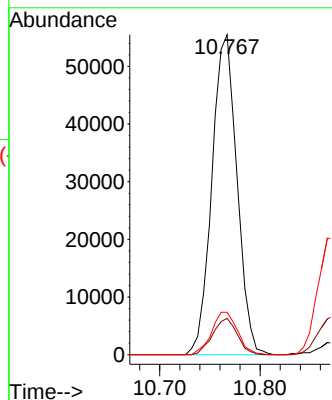
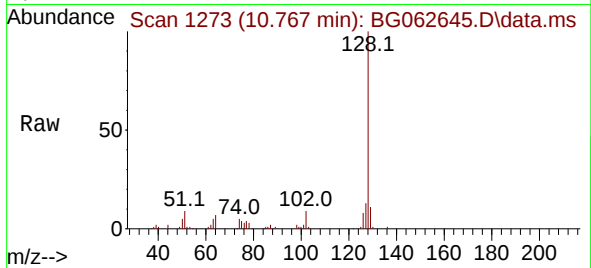




#31
Naphthalene
Concen: 9.860 ng
RT: 10.767 min Scan# 111
Delta R.T. 0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

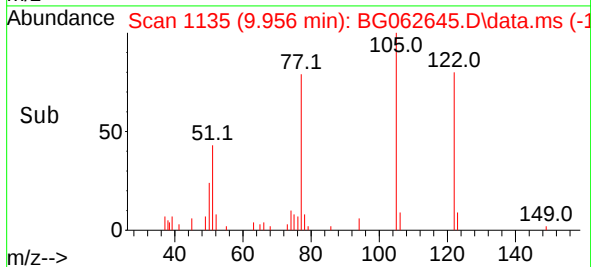
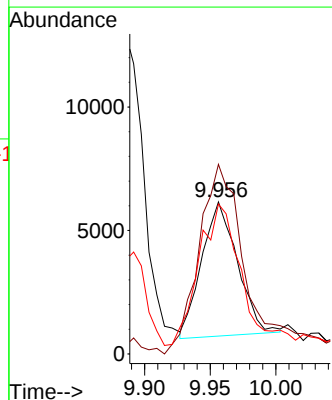
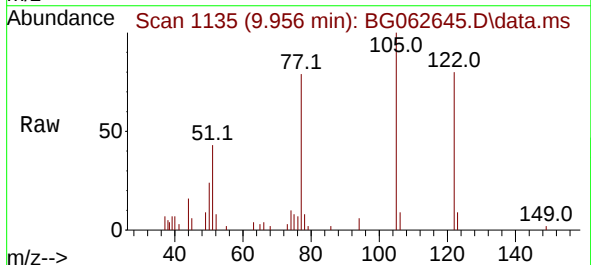
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

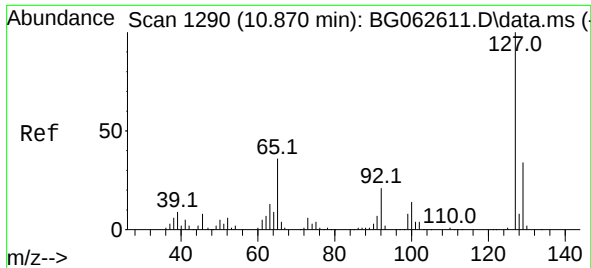
Tgt Ion:128 Resp: 96281
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.3 11.3 16.9



#32
Benzoic acid
Concen: 4.456 ng
RT: 9.956 min Scan# 1135
Delta R.T. -0.073 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

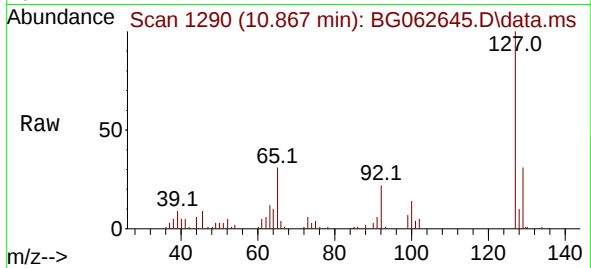
Tgt Ion:122 Resp: 10320
Ion Ratio Lower Upper
122 100
105 124.7 105.7 145.7
77 98.6 79.9 119.9



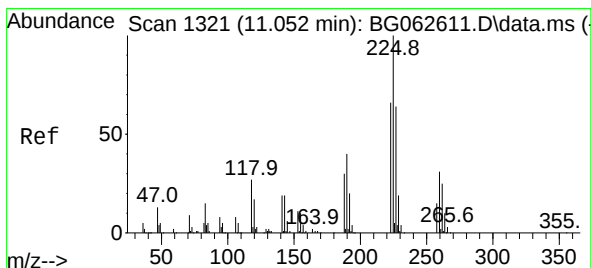
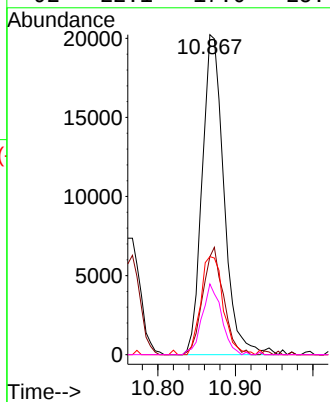
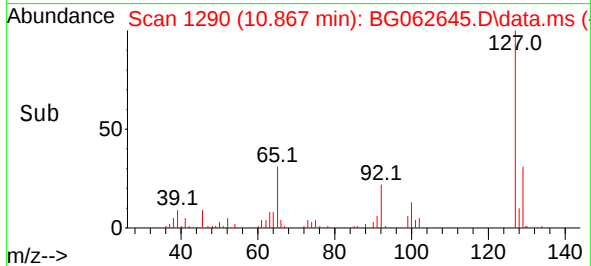


#33
4-Chloroaniline
Concen: 10.267 ng
RT: 10.867 min Scan# 1290
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

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

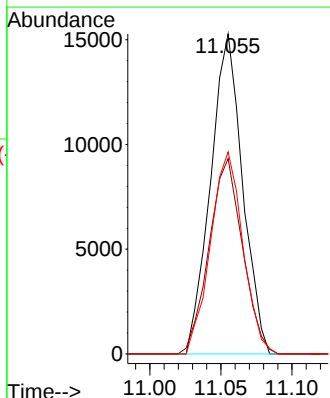
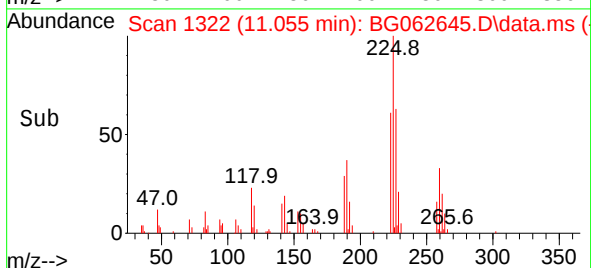
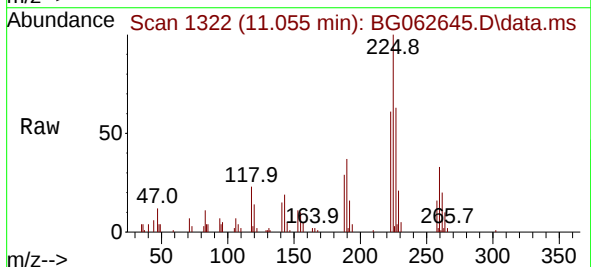


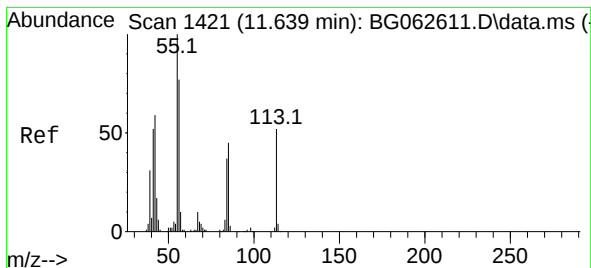
Tgt Ion:	127	Resp:	39453
Ion	Ratio	Lower	Upper
127	100		
129	31.8	27.3	40.9
65	30.6	29.0	43.4
92	22.1	17.0	25.4



#34
Hexachlorobutadiene
Concen: 9.592 ng
RT: 11.055 min Scan# 1322
Delta R.T. 0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:	225	Resp:	23911
Ion	Ratio	Lower	Upper
225	100		
223	59.2	50.1	75.1
227	64.7	48.9	73.3





#35

Caprolactam

Concen: 9.015 ng

RT: 11.607 min Scan# 1416

Delta R.T. -0.032 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

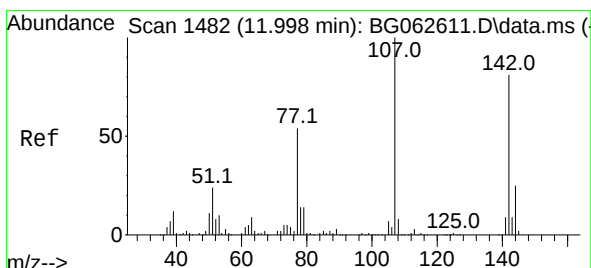
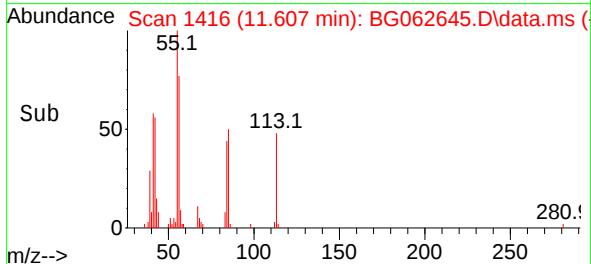
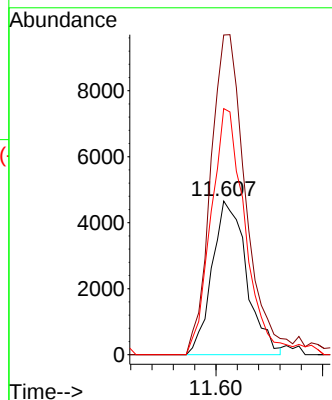
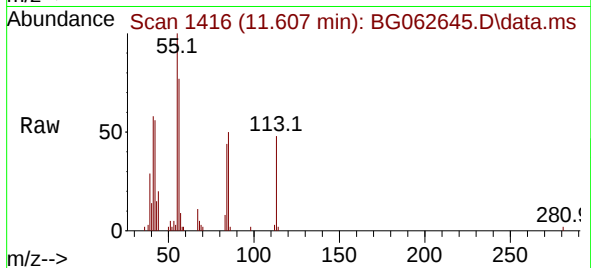
Tgt Ion:113 Resp: 10463

Ion Ratio Lower Upper

113 100

55 208.1 174.1 214.1

56 160.2 129.8 169.8



#36

4-Chloro-3-methylphenol

Concen: 9.120 ng

RT: 11.989 min Scan# 1481

Delta R.T. -0.009 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

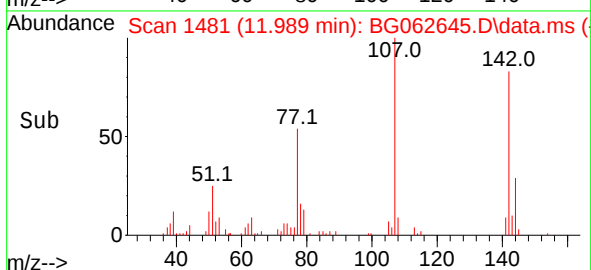
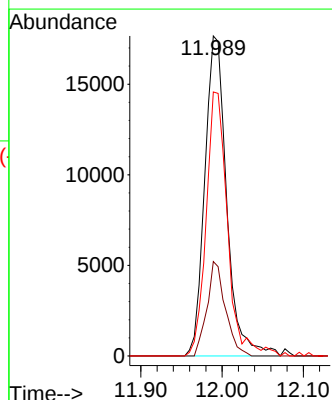
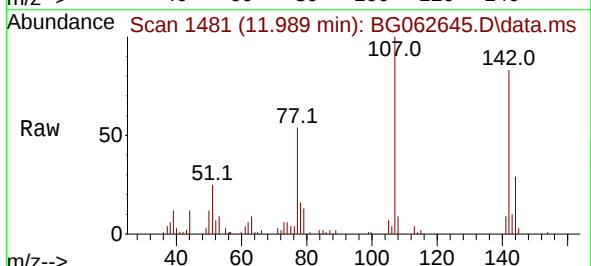
Tgt Ion:107 Resp: 33121

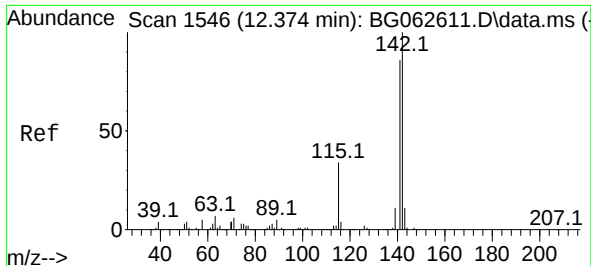
Ion Ratio Lower Upper

107 100

144 29.5 19.8 29.8

142 82.5 64.7 97.1

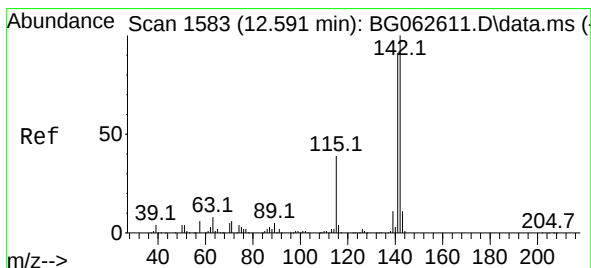
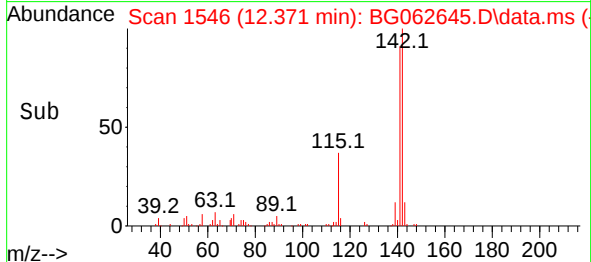
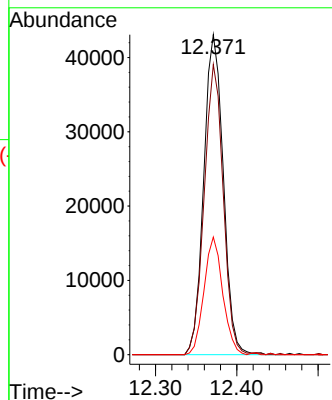
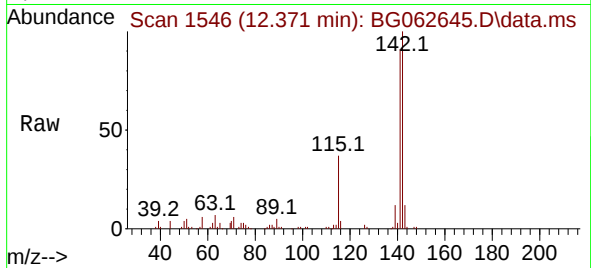




#37
2-Methylnaphthalene
Concen: 9.482 ng
RT: 12.371 min Scan# 1546
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

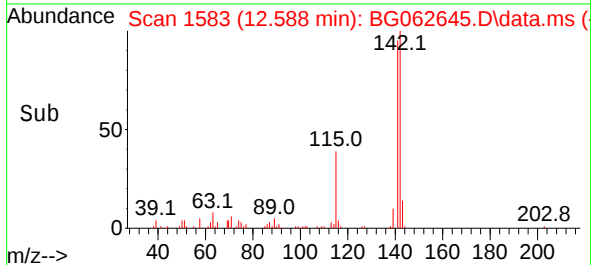
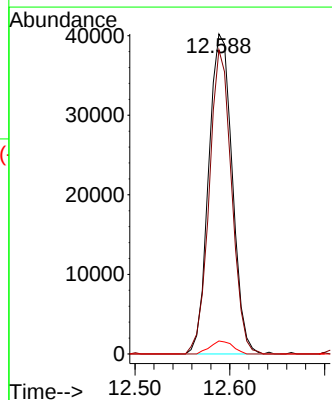
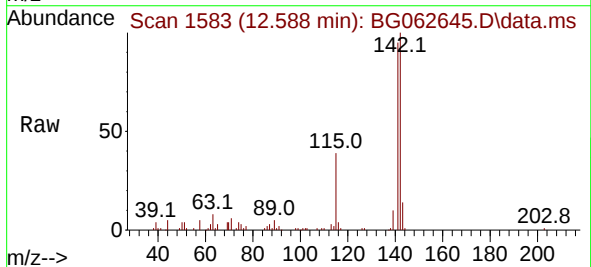
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

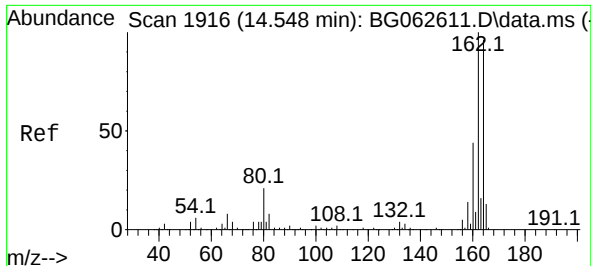
Tgt Ion:142 Resp: 71815
Ion Ratio Lower Upper
142 100
141 90.7 68.9 103.3
115 36.8 27.5 41.3



#38
1-Methylnaphthalene
Concen: 9.162 ng
RT: 12.588 min Scan# 1583
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:142 Resp: 69678
Ion Ratio Lower Upper
142 100
141 95.1 73.0 109.4
116 4.1 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG062645.D

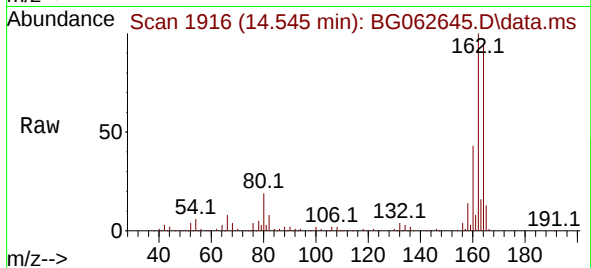
Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



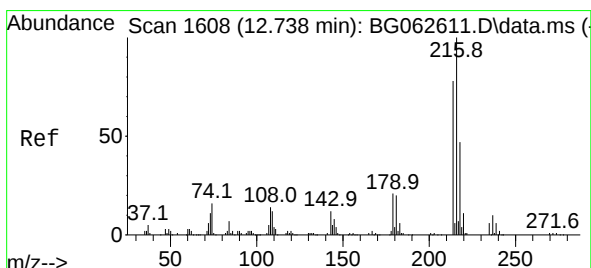
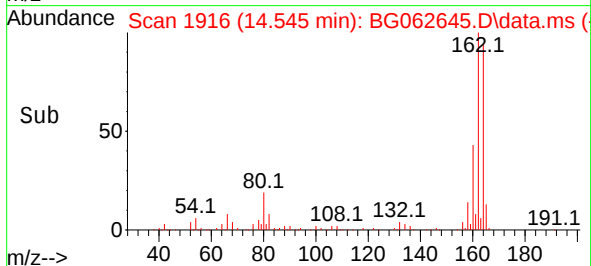
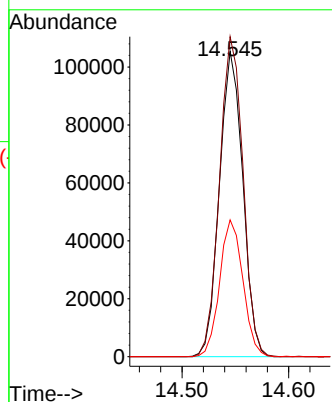
Tgt Ion:164 Resp: 160206

Ion Ratio Lower Upper

164 100

162 104.8 83.1 124.7

160 44.8 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.269 ng

RT: 12.735 min Scan# 1608

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Tgt Ion:216 Resp: 49477

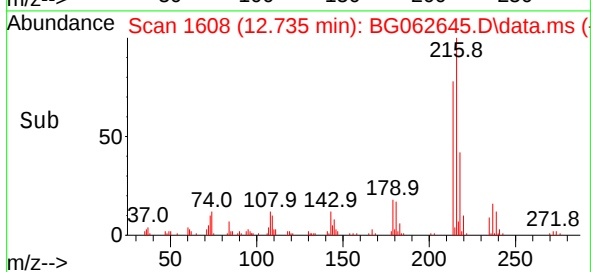
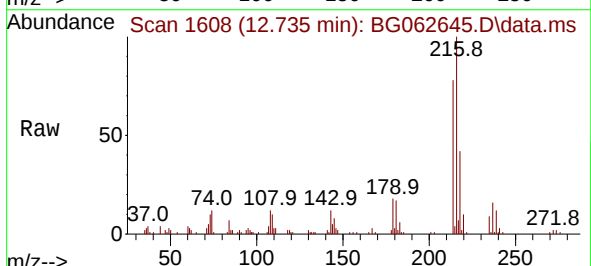
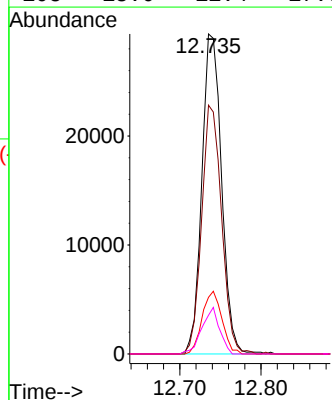
Ion Ratio Lower Upper

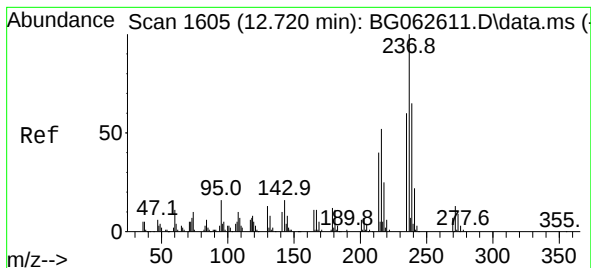
216 100

214 78.6 61.6 92.4

179 19.6 15.9 23.9

108 13.0 11.4 17.0

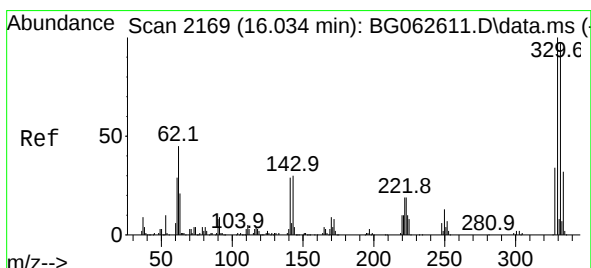
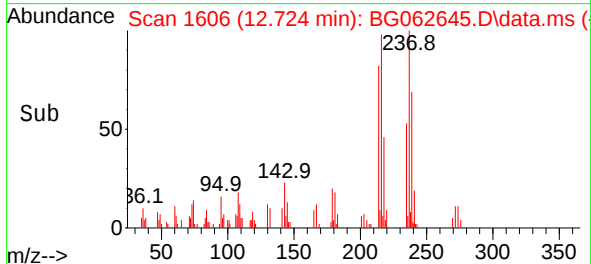
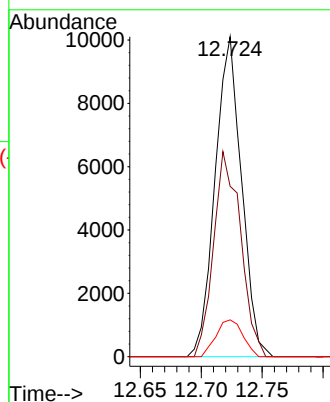
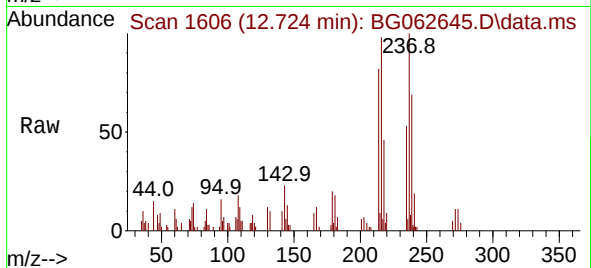




#41
Hexachlorocyclopentadiene
Concen: 11.068 ng
RT: 12.724 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

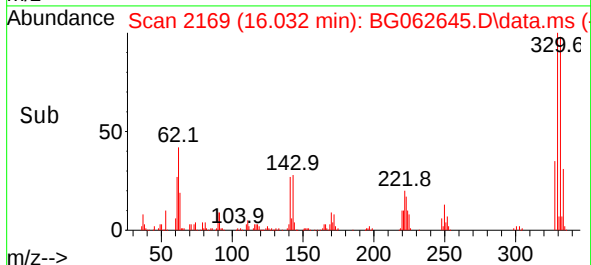
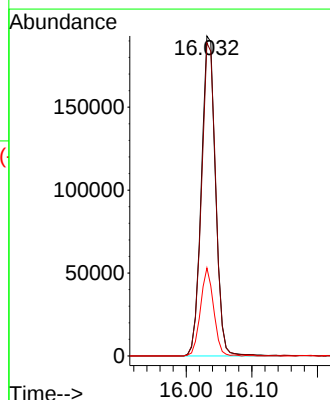
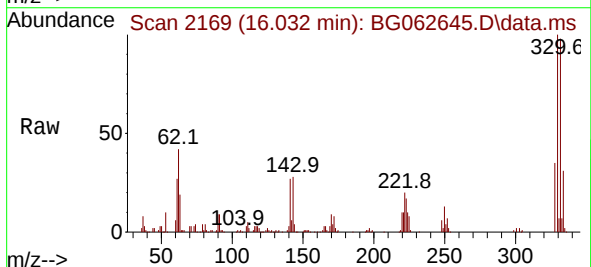
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

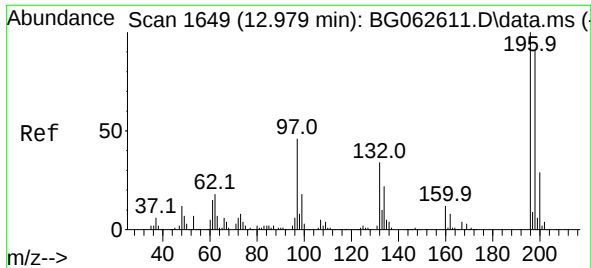
Tgt Ion:237 Resp: 15214
Ion Ratio Lower Upper
237 100
235 53.3 40.4 80.4
272 11.5 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 128.943 ng
RT: 16.032 min Scan# 2169
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:330 Resp: 290715
Ion Ratio Lower Upper
330 100
332 97.6 77.2 115.8
141 25.5 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 9.574 ng

RT: 12.976 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

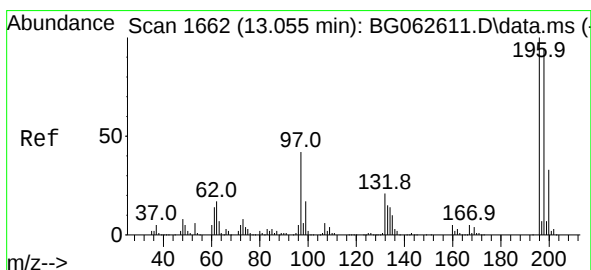
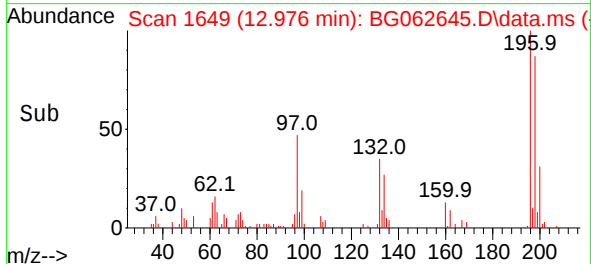
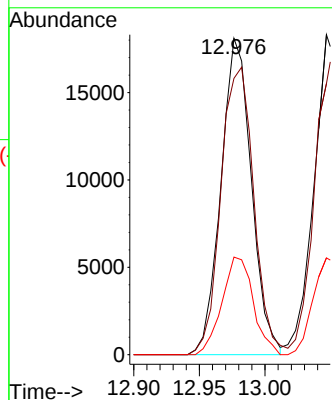
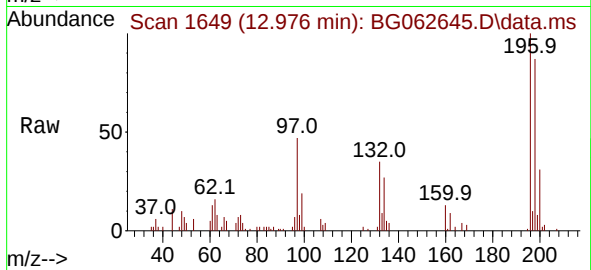
Tgt Ion:196 Resp: 29242

Ion Ratio Lower Upper

196 100

198 87.3 72.8 109.2

200 30.9 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 9.724 ng

RT: 13.047 min Scan# 1661

Delta R.T. -0.008 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Tgt Ion:196 Resp: 33634

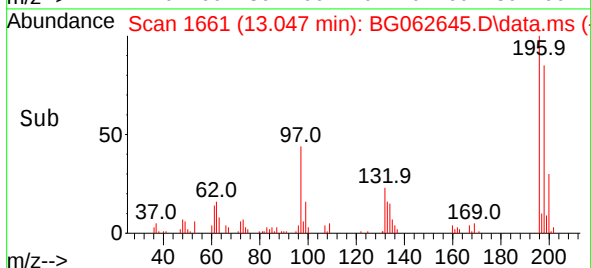
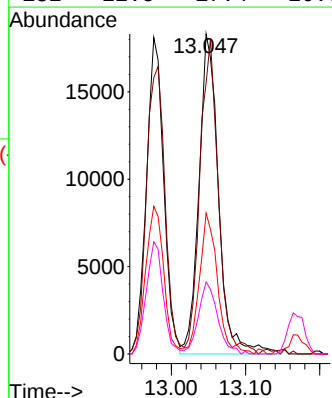
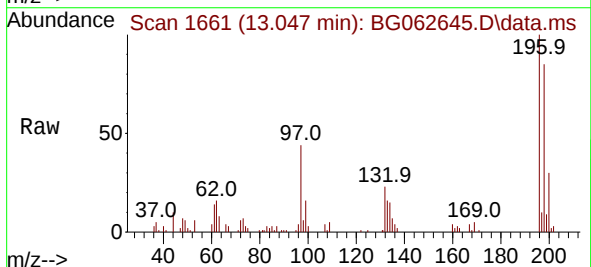
Ion Ratio Lower Upper

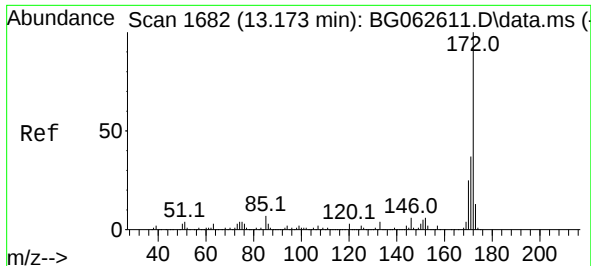
196 100

198 84.7 75.5 113.3

97 44.1 34.1 51.1

132 22.5 17.4 26.0

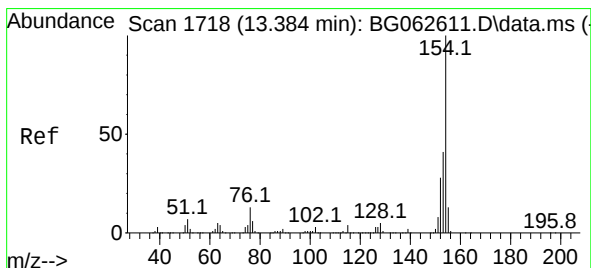
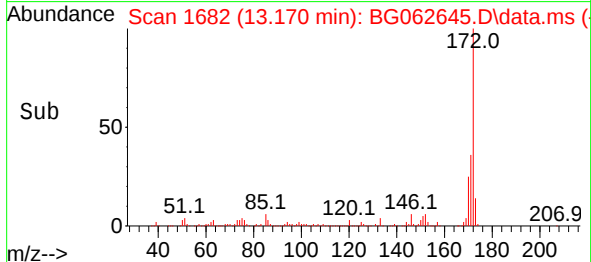
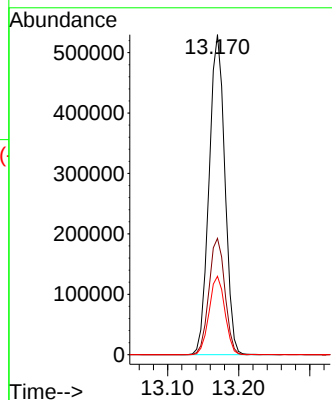
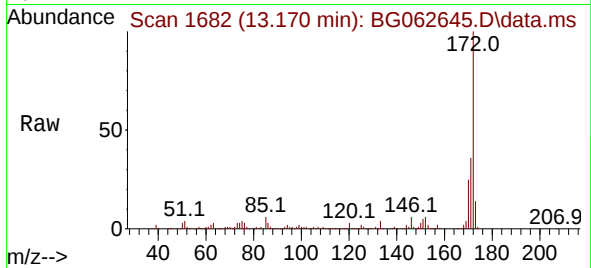




#45
2-Fluorobiphenyl
Concen: 82.682 ng
RT: 13.170 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

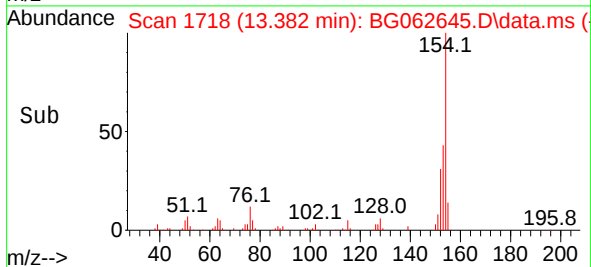
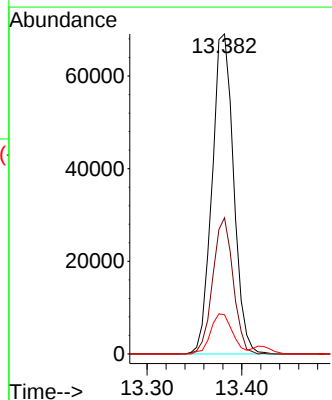
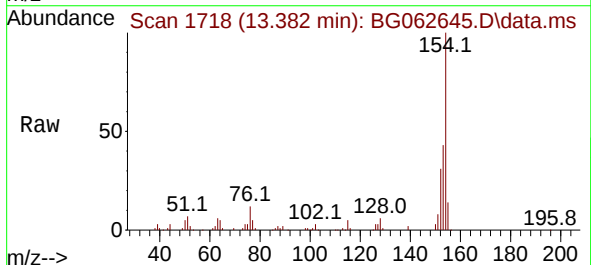
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

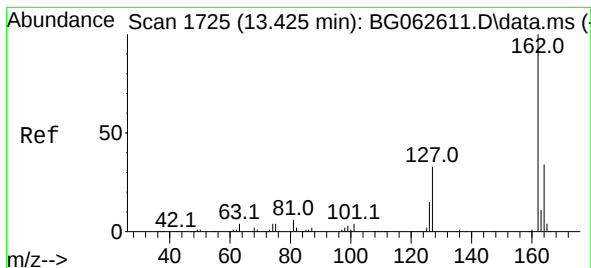
Tgt Ion:172 Resp: 817773
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.5 20.0 30.0



#46
1,1'-Biphenyl
Concen: 10.213 ng
RT: 13.382 min Scan# 1718
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:154 Resp: 109158
Ion Ratio Lower Upper
154 100
153 42.6 20.8 60.8
76 12.2 0.0 33.4

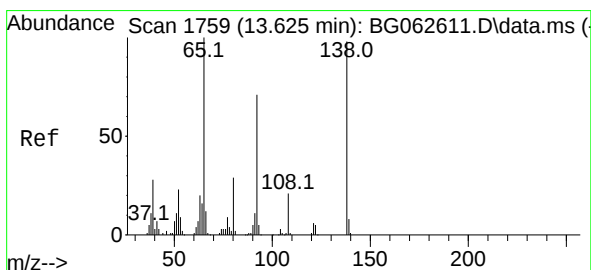
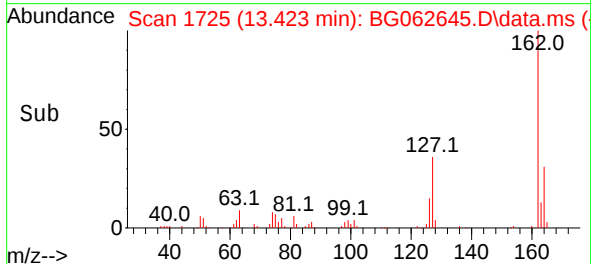
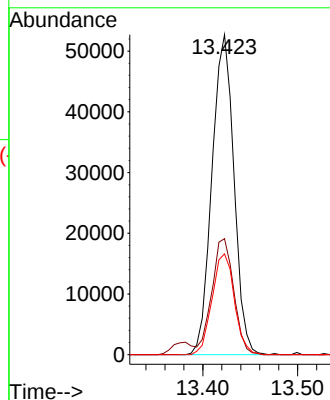
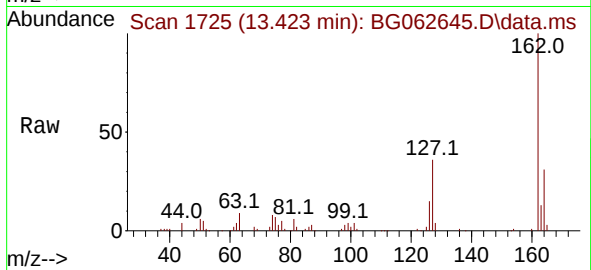




#47
2-Chloronaphthalene
Concen: 9.798 ng
RT: 13.423 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

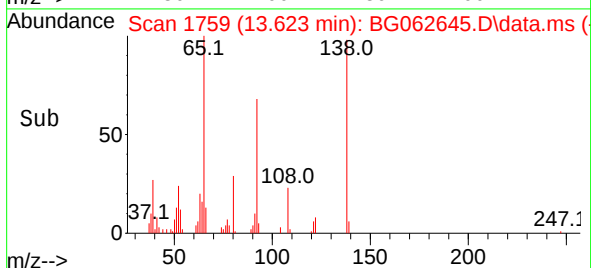
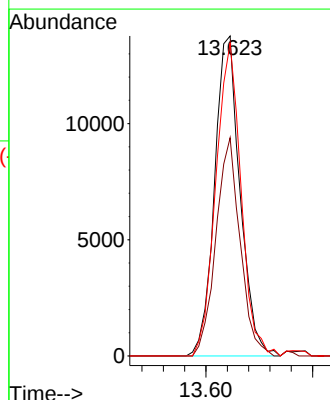
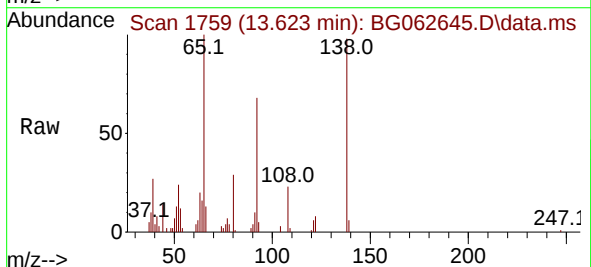
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

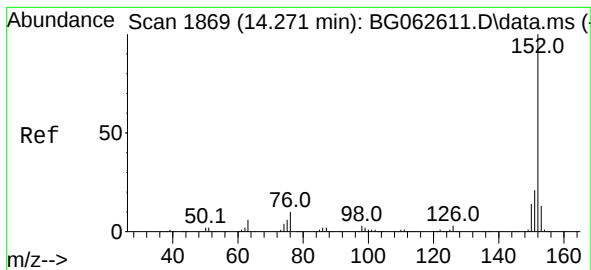
Tgt Ion:162 Resp: 84871
Ion Ratio Lower Upper
162 100
127 36.2 28.7 43.1
164 31.5 26.9 40.3



#48
2-Nitroaniline
Concen: 10.015 ng
RT: 13.623 min Scan# 1759
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion: 65 Resp: 22816
Ion Ratio Lower Upper
65 100
92 68.2 56.6 84.8
138 97.8 78.7 118.1





#49

Acenaphthylene

Concen: 10.564 ng

RT: 14.269 min Scan# 1869

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

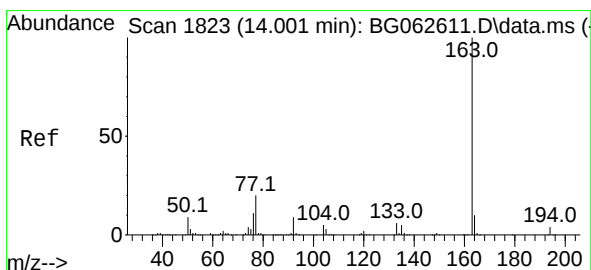
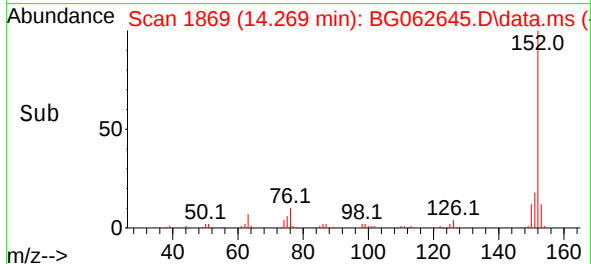
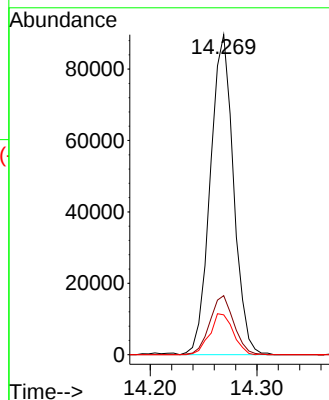
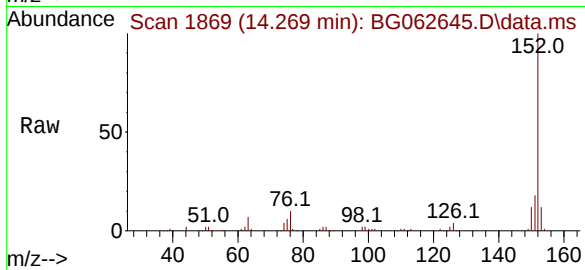
Tgt Ion:152 Resp: 135509

Ion Ratio Lower Upper

152 100

151 18.5 16.6 24.8

153 12.5 10.2 15.4



#50

Dimethylphthalate

Concen: 10.069 ng

RT: 13.999 min Scan# 1823

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

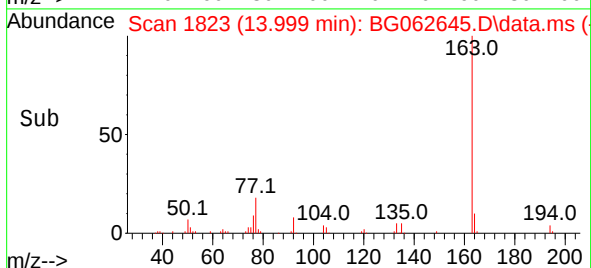
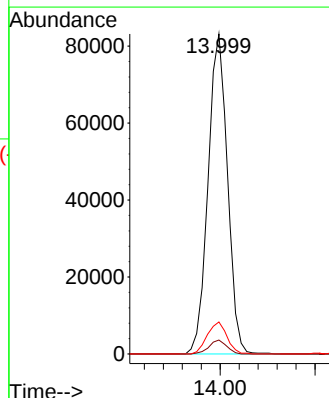
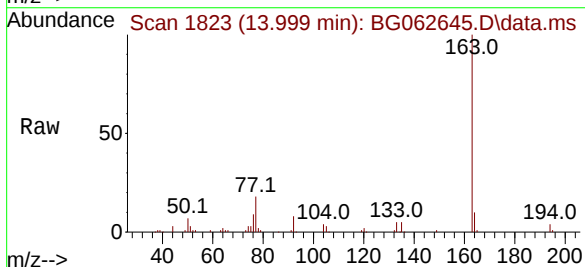
Tgt Ion:163 Resp: 117958

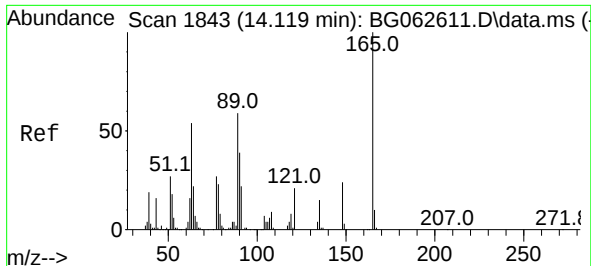
Ion Ratio Lower Upper

163 100

194 4.3 2.9 4.3#

164 10.0 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 9.466 ng

RT: 14.116 min Scan# 1843

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

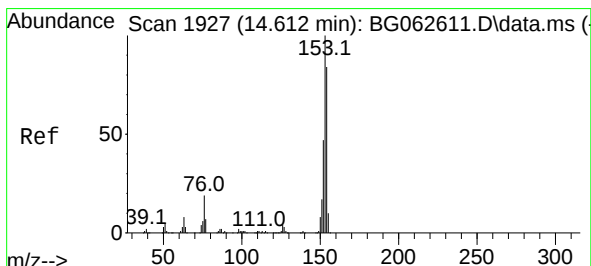
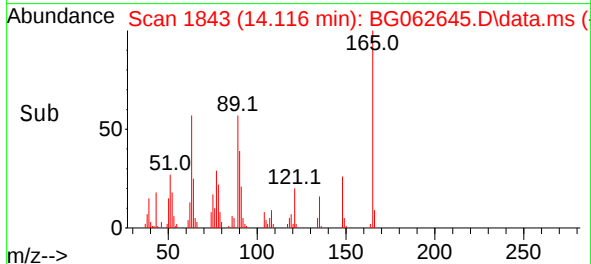
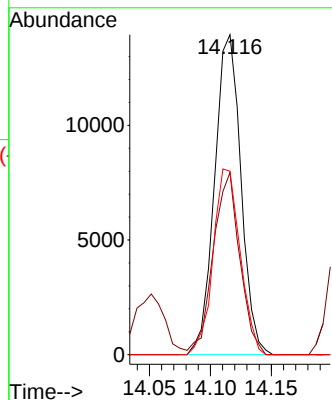
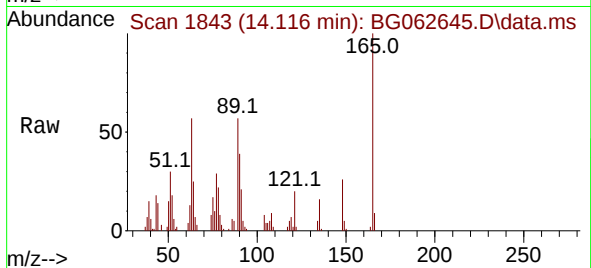
Tgt Ion:165 Resp: 20975

Ion Ratio Lower Upper

165 100

63 56.9 46.6 69.8

89 57.4 47.2 70.8



#52

Acenaphthene

Concen: 9.757 ng

RT: 14.610 min Scan# 1927

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

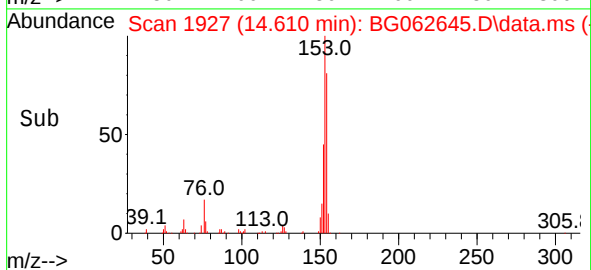
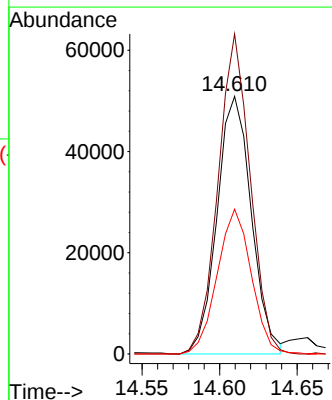
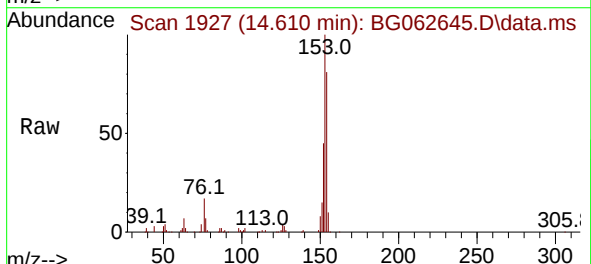
Tgt Ion:154 Resp: 78238

Ion Ratio Lower Upper

154 100

153 124.2 95.0 142.4

152 56.2 45.0 67.6





#53

3-Nitroaniline

Concen: 9.897 ng

RT: 14.445 min Scan# 1899

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

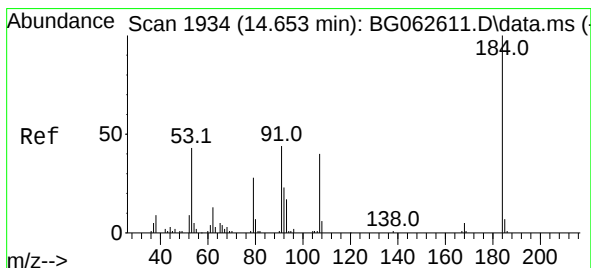
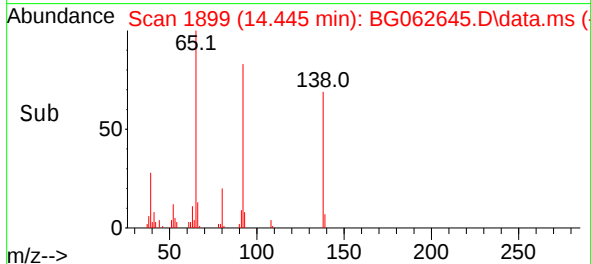
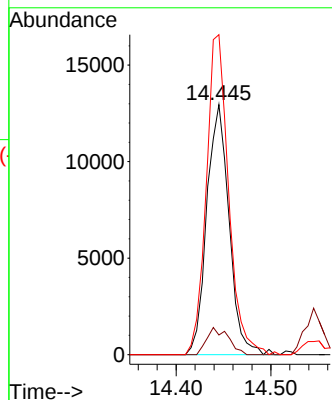
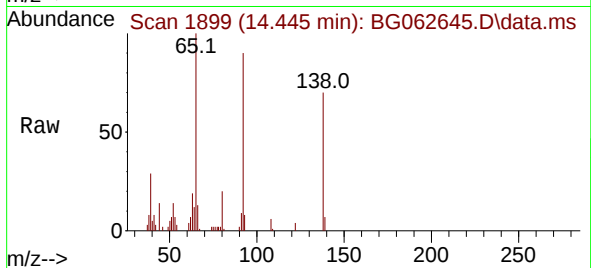
Tgt Ion:138 Resp: 21219

Ion Ratio Lower Upper

138 100

108 7.9 8.6 13.0#

92 128.0 95.7 143.5



#54

2,4-Dinitrophenol

Concen: 8.306 ng

RT: 14.651 min Scan# 1934

Delta R.T. -0.002 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

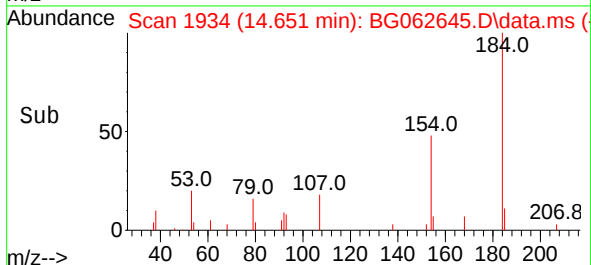
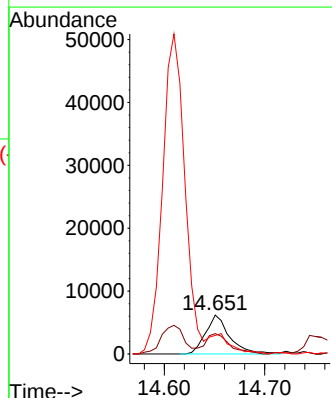
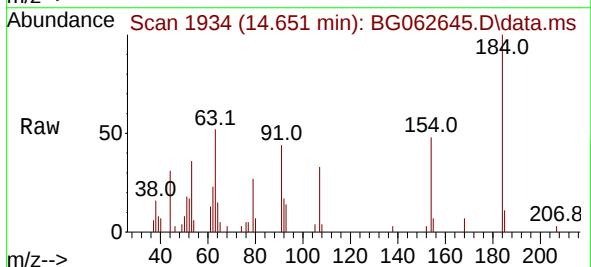
Tgt Ion:184 Resp: 10328

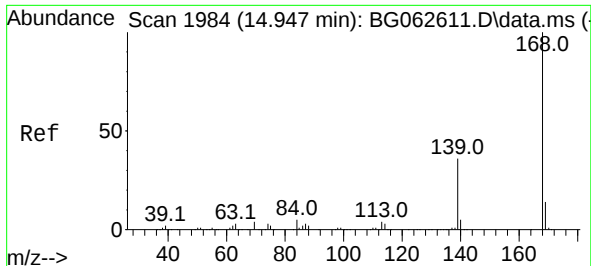
Ion Ratio Lower Upper

184 100

63 52.2 49.0 73.4

154 47.9 50.5 75.7#

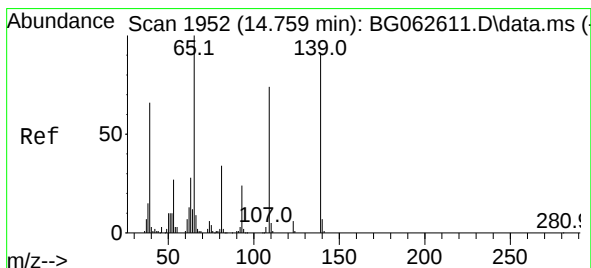
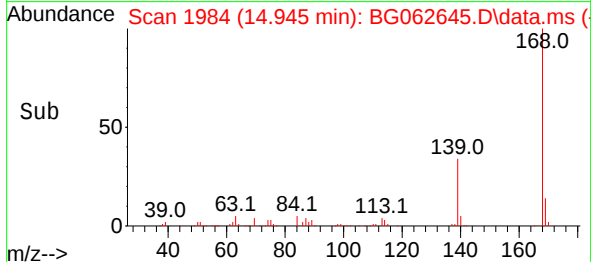
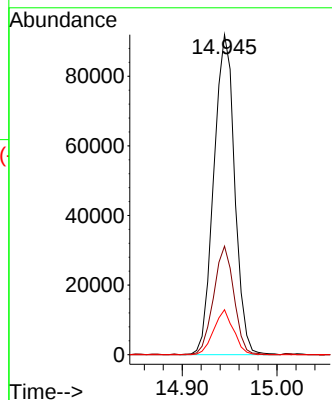
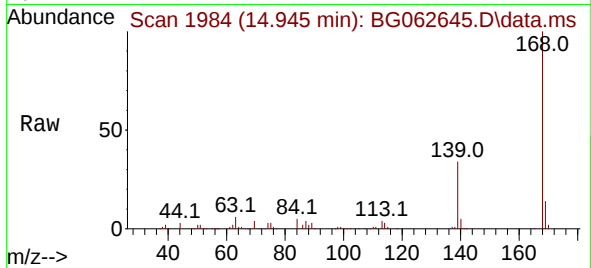




#55
Dibenzenofuran
Concen: 10.221 ng
RT: 14.945 min Scan# 1984
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

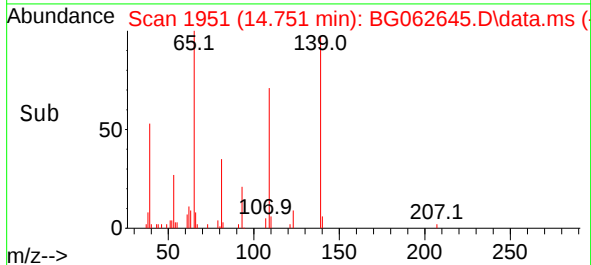
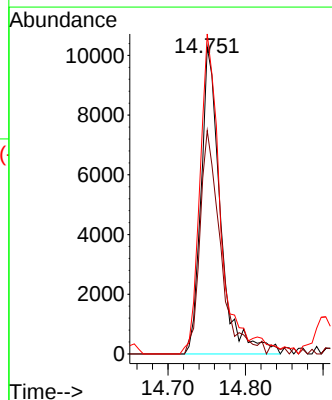
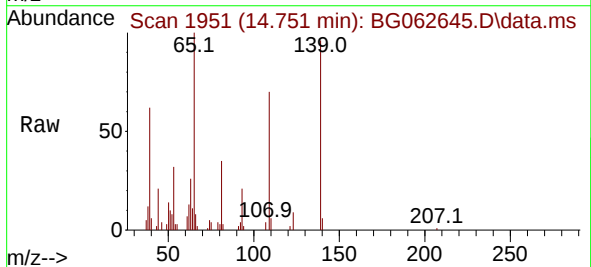
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

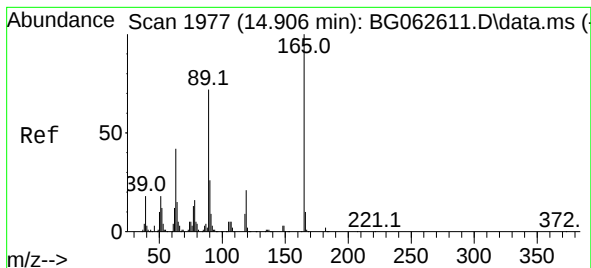
Tgt Ion:168 Resp: 140557
Ion Ratio Lower Upper
168 100
139 33.9 28.6 42.8
169 14.0 11.0 16.6



#56
4-Nitrophenol
Concen: 9.825 ng
RT: 14.751 min Scan# 1951
Delta R.T. -0.008 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:139 Resp: 17852
Ion Ratio Lower Upper
139 100
109 72.7 61.2 101.2
65 104.2 90.2 130.2

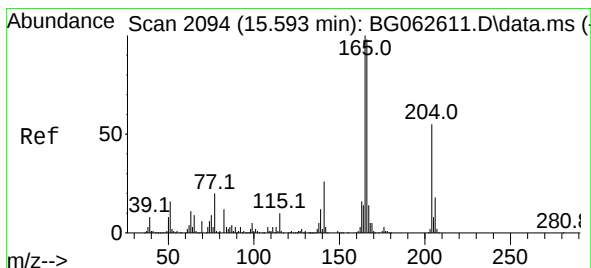
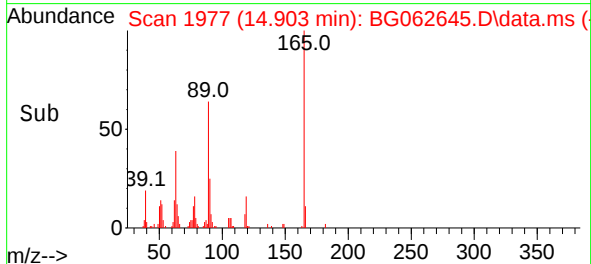
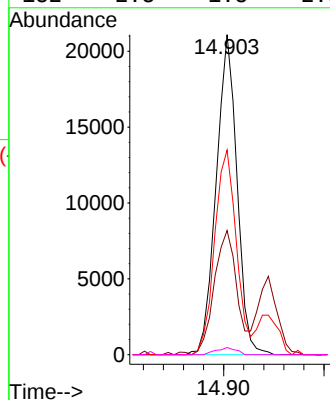
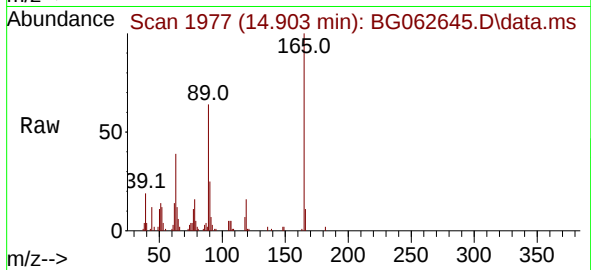




#57
2,4-Dinitrotoluene
Concen: 10.028 ng
RT: 14.903 min Scan# 1977
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

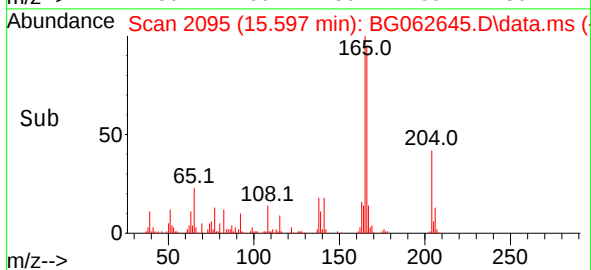
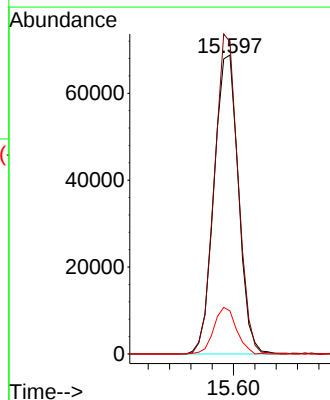
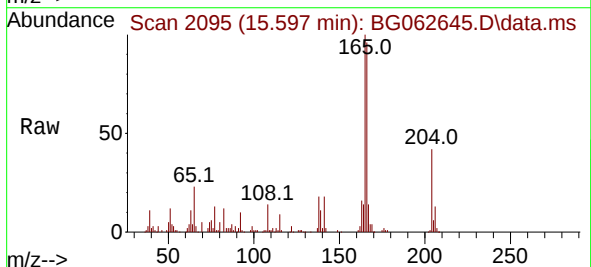
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

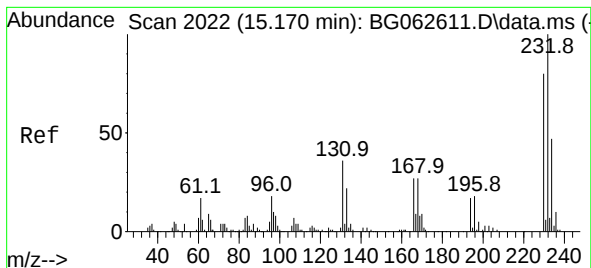
Tgt Ion:	165	Resp:	30316
Ion Ratio	Lower	Upper	
165	100		
63	38.8	33.8	50.6
89	63.9	57.9	86.9
182	2.3	1.8	2.8



#58
Fluorene
Concen: 10.117 ng
RT: 15.597 min Scan# 2095
Delta R.T. 0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:	166	Resp:	109184
Ion Ratio	Lower	Upper	
166	100		
165	104.4	82.0	123.0
167	14.4	11.3	16.9





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.472 ng

RT: 15.168 min Scan# 2022

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:232 Resp: 34312

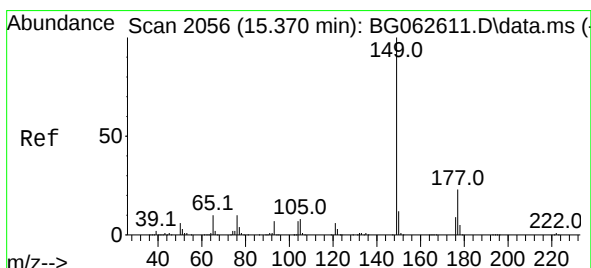
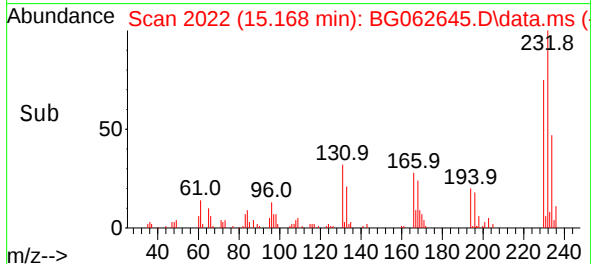
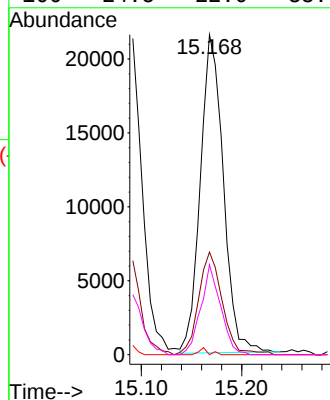
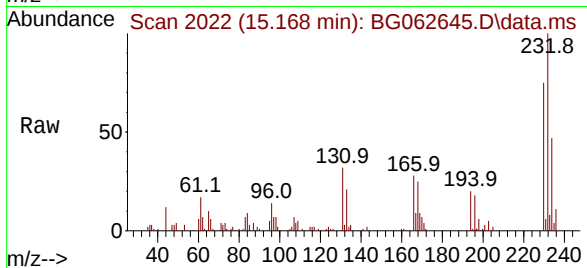
Ion Ratio Lower Upper

232 100

131 33.2 28.3 42.5

130 0.9 1.7 2.5#

166 24.5 22.0 33.0



#60

Diethylphthalate

Concen: 9.803 ng

RT: 15.362 min Scan# 2055

Delta R.T. -0.008 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

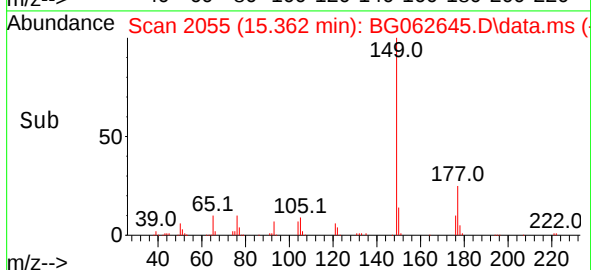
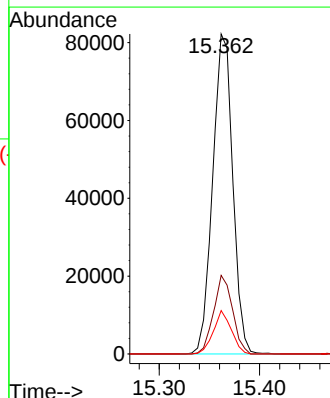
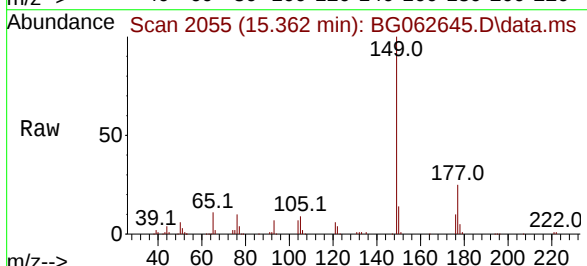
Tgt Ion:149 Resp: 113816

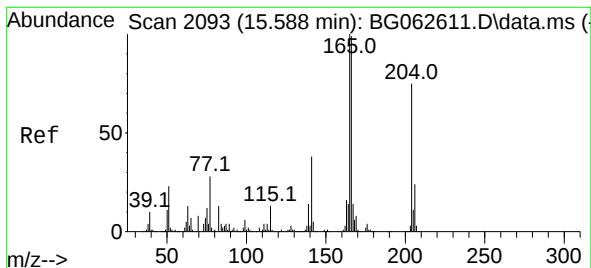
Ion Ratio Lower Upper

149 100

177 24.6 18.0 27.0

150 13.5 9.8 14.8

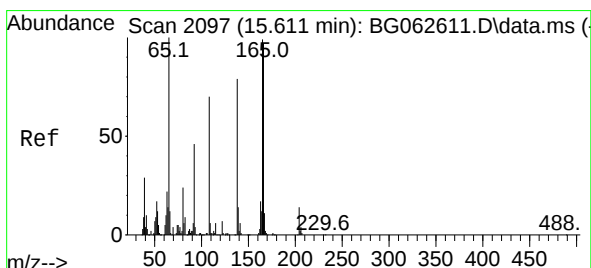
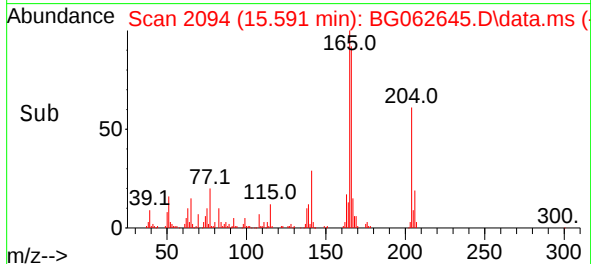
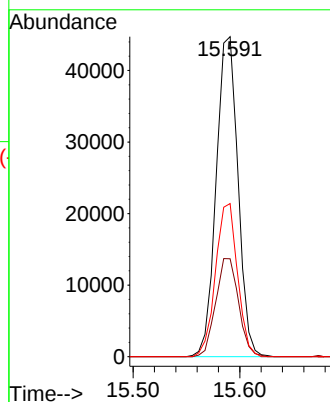
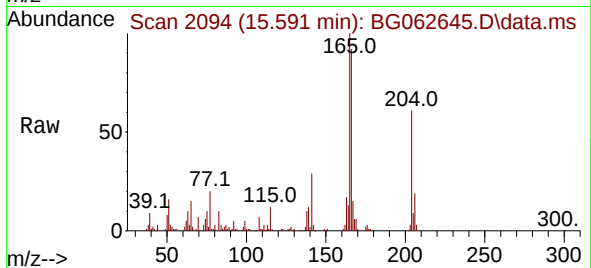




#61
4-Chlorophenyl-phenylether
Concen: 10.235 ng
RT: 15.591 min Scan# 2094
Delta R.T. 0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

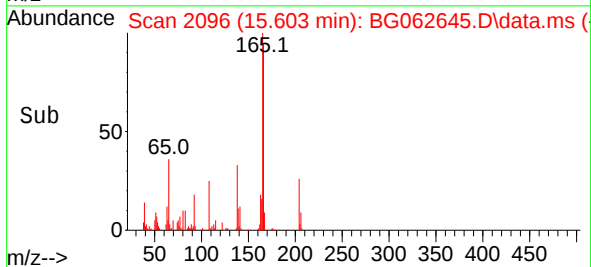
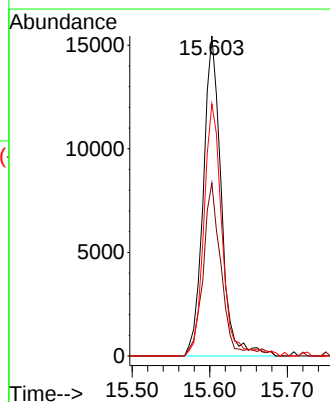
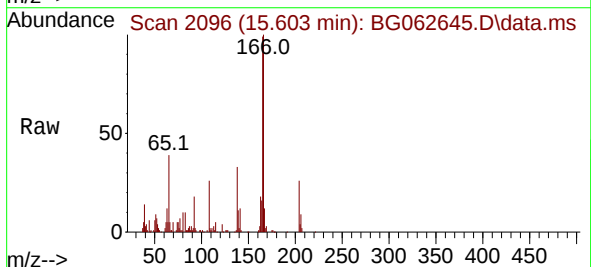
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

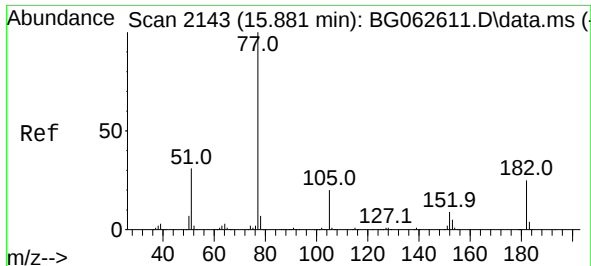
Tgt Ion:204 Resp: 63413
Ion Ratio Lower Upper
204 100
206 30.6 25.9 38.9
141 47.8 41.0 61.6



#62
4-Nitroaniline
Concen: 10.478 ng
RT: 15.603 min Scan# 2096
Delta R.T. -0.008 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:138 Resp: 24771
Ion Ratio Lower Upper
138 100
92 54.1 38.4 78.4
108 78.8 69.0 109.0

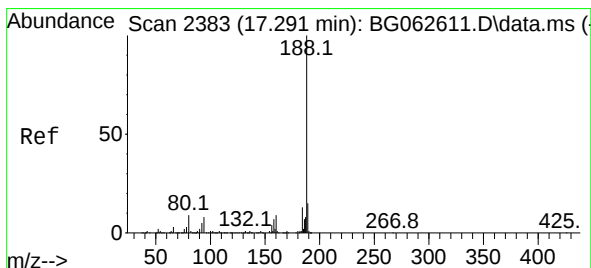
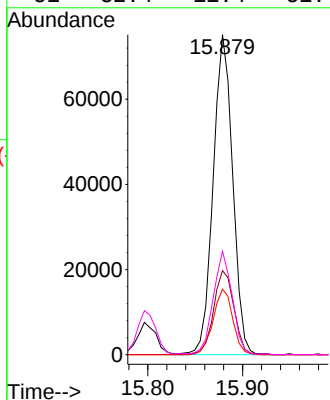
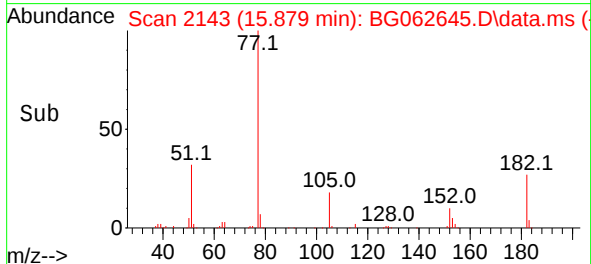
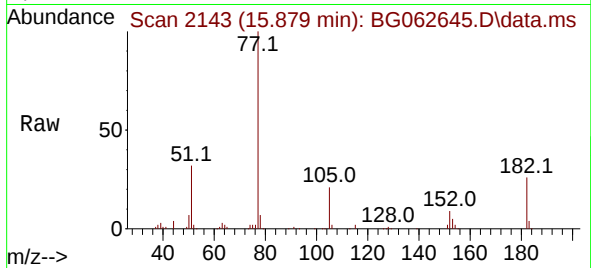




#63
 Azobenzene
 Concen: 9.888 ng
 RT: 15.879 min Scan# 2143
 Delta R.T. -0.003 min
 Lab File: BG062645.D
 Acq: 4 Sep 2024 16:18

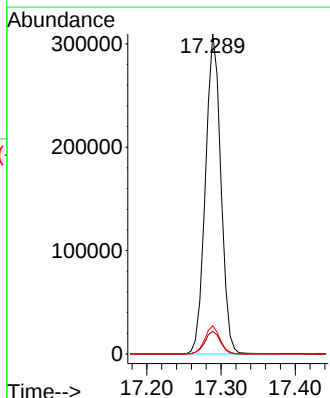
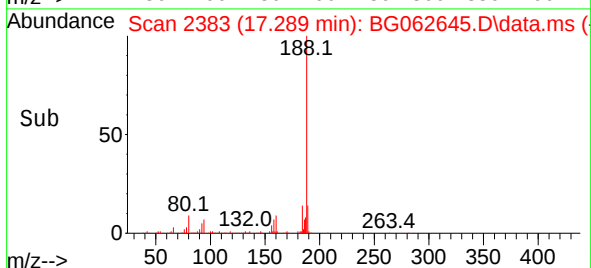
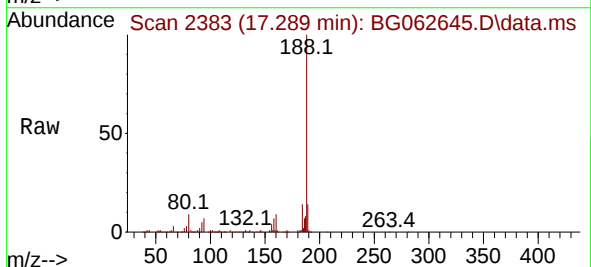
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

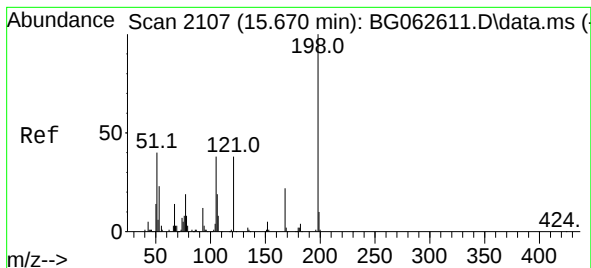
Tgt Ion: 77 Resp: 107808
 Ion Ratio Lower Upper
 77 100
 182 26.2 5.0 45.0
 105 20.5 0.5 40.5
 51 32.4 11.4 51.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.289 min Scan# 2383
 Delta R.T. -0.003 min
 Lab File: BG062645.D
 Acq: 4 Sep 2024 16:18

Tgt Ion:188 Resp: 447857
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.3 9.5
 80 8.8 7.0 10.4

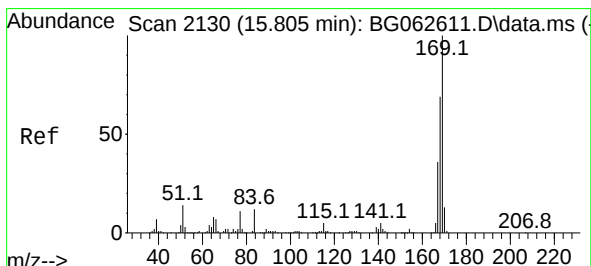
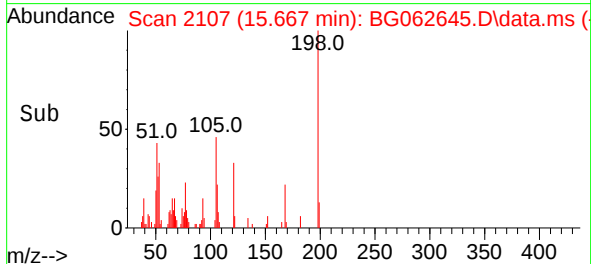
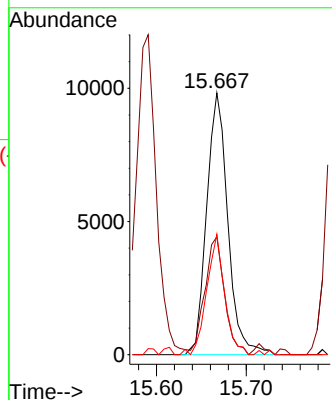
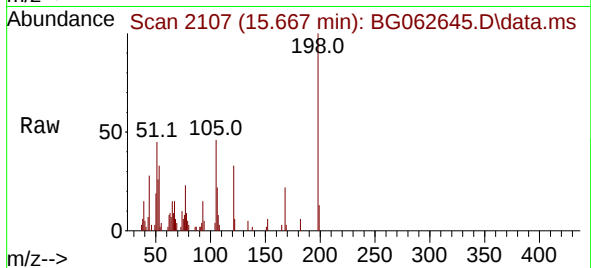




#65
4,6-Dinitro-2-methylphenol
Concen: 8.050 ng
RT: 15.667 min Scan# 2107
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

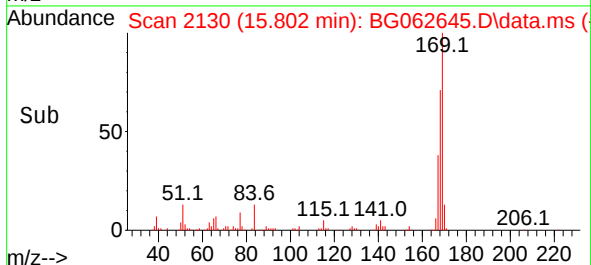
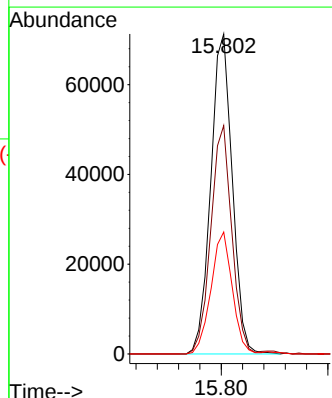
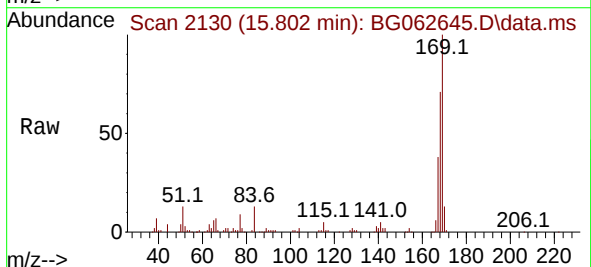
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

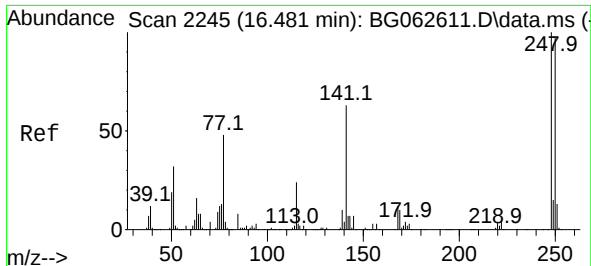
Tgt Ion:198 Resp: 16089
Ion Ratio Lower Upper
198 100
51 45.0 25.1 65.1
105 45.9 18.3 58.3



#66
n-Nitrosodiphenylamine
Concen: 9.287 ng
RT: 15.802 min Scan# 2130
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:169 Resp: 100002
Ion Ratio Lower Upper
169 100
168 71.3 55.4 83.2
167 38.1 29.0 43.6

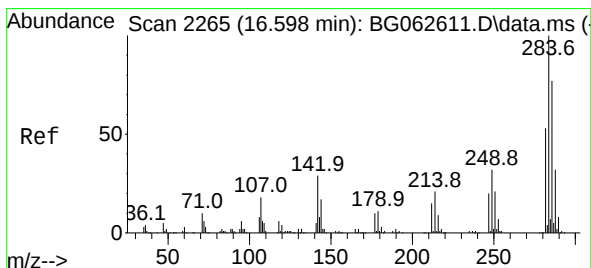
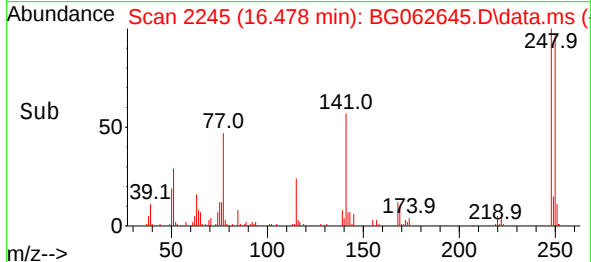
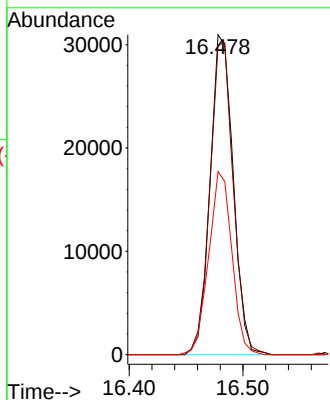
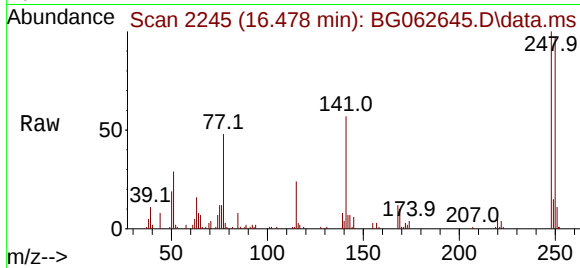




#67
4-Bromophenyl-phenylether
Concen: 9.513 ng
RT: 16.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

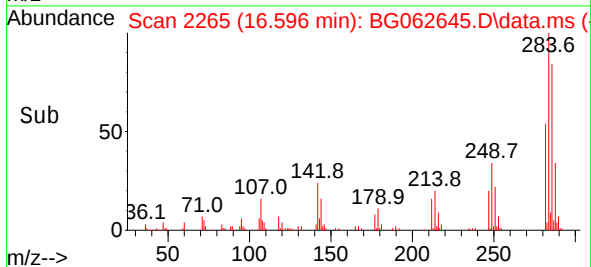
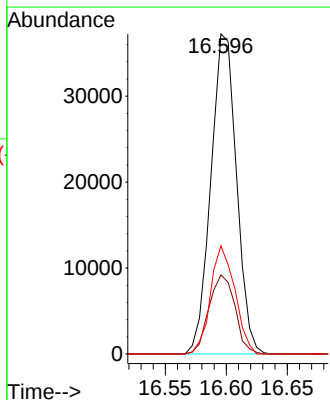
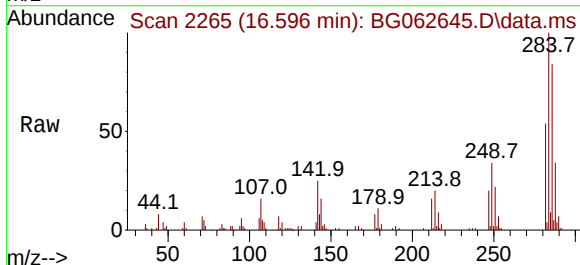
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

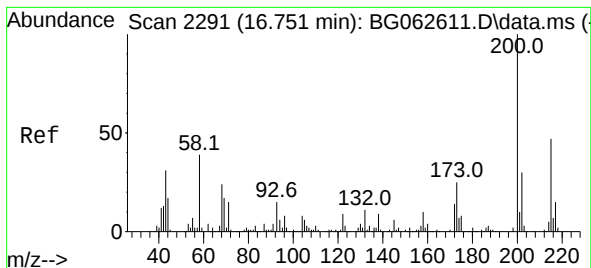
Tgt Ion:248 Resp: 43969
Ion Ratio Lower Upper
248 100
250 96.8 77.9 116.9
141 57.2 50.2 75.2



#68
Hexachlorobenzene
Concen: 9.967 ng
RT: 16.596 min Scan# 2265
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:284 Resp: 54560
Ion Ratio Lower Upper
284 100
142 24.7 23.5 35.3
249 33.8 25.4 38.0





#69

Atrazine

Concen: 12.212 ng

RT: 16.748 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

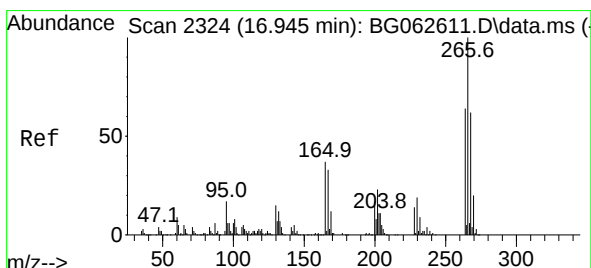
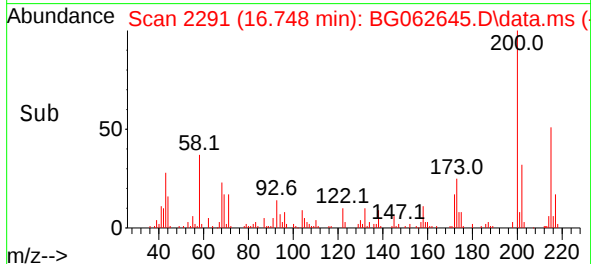
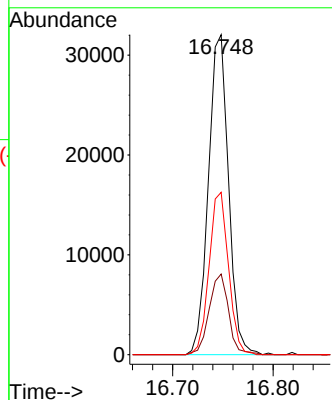
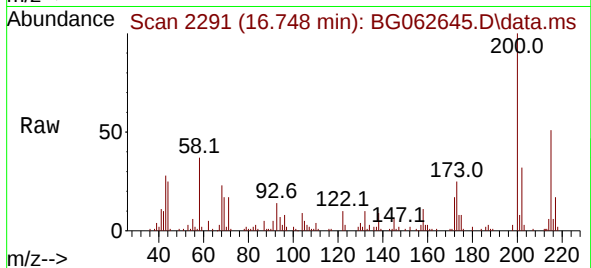
Tgt Ion:200 Resp: 44662

Ion Ratio Lower Upper

200 100

173 25.2 5.2 45.2

215 50.8 27.3 67.3



#70

Pentachlorophenol

Concen: 8.325 ng

RT: 16.942 min Scan# 2324

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

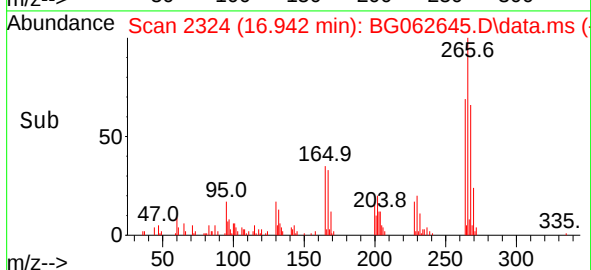
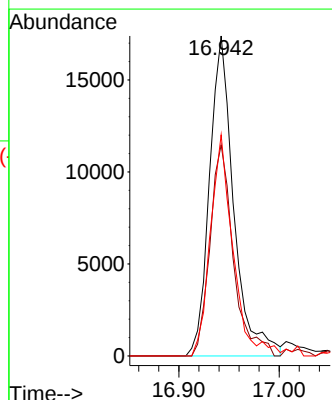
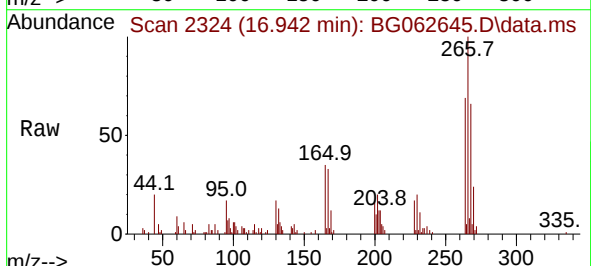
Tgt Ion:266 Resp: 29187

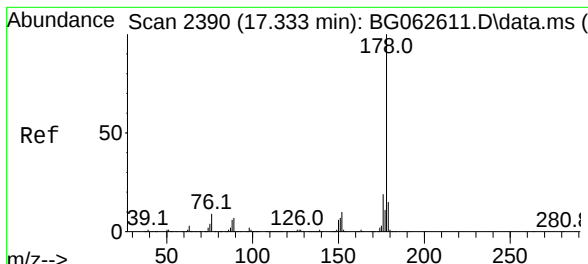
Ion Ratio Lower Upper

266 100

268 71.0 52.6 79.0

264 73.9 51.6 77.4

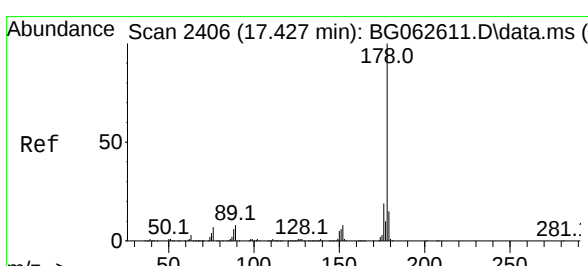
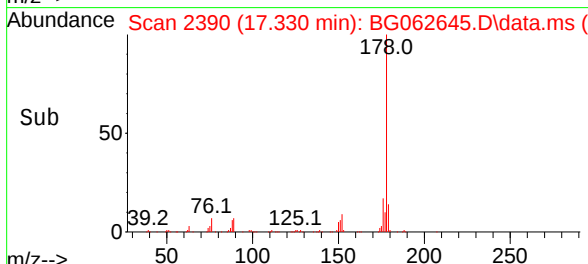
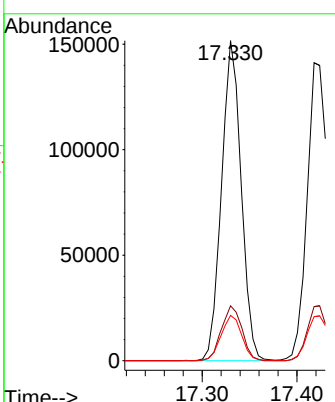
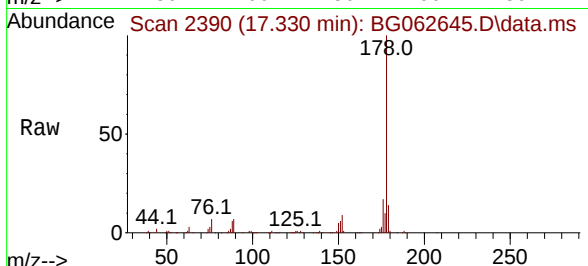




#71
 Phenanthrene
 Concen: 10.463 ng
 RT: 17.330 min Scan# 2405
 Delta R.T. -0.003 min
 Lab File: BG062645.D
 Acq: 4 Sep 2024 16:18

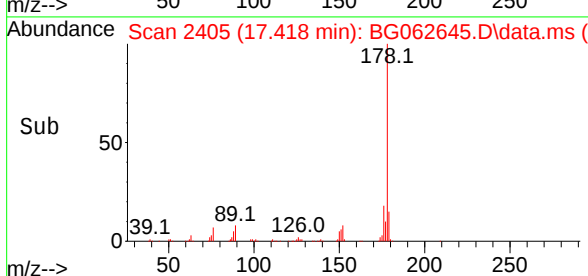
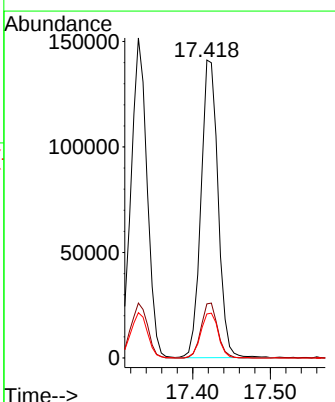
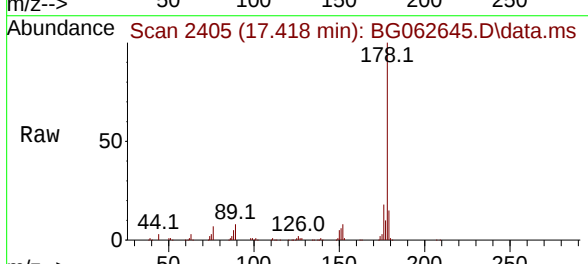
Instrument : BNA_G
 ClientSampleId : LOQ-SOIL-02-QT2-2024

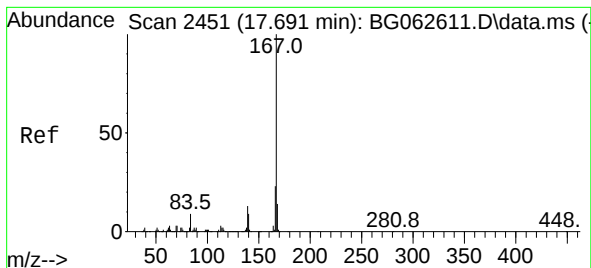
Tgt Ion:178	Resp:	218721
Ion	Ratio	Lower Upper
178	100	
176	17.2	15.4 23.0
179	14.2	12.2 18.4



#72
 Anthracene
 Concen: 10.468 ng
 RT: 17.418 min Scan# 2405
 Delta R.T. -0.009 min
 Lab File: BG062645.D
 Acq: 4 Sep 2024 16:18

Tgt Ion:178	Resp:	215156
Ion	Ratio	Lower Upper
178	100	
176	18.2	15.2 22.8
179	14.8	12.0 18.0





#73

Carbazole

Concen: 9.855 ng

RT: 17.688 min Scan# 2451

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

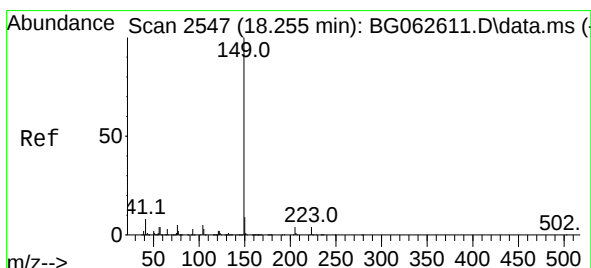
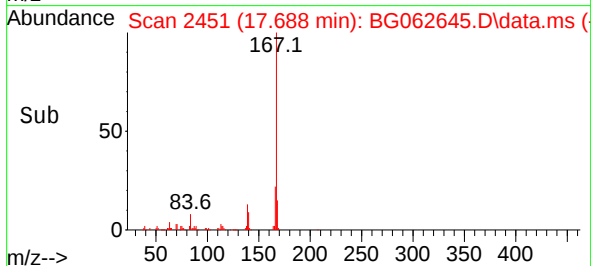
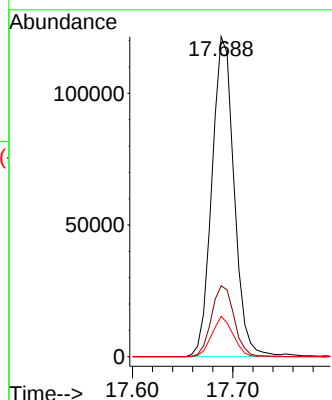
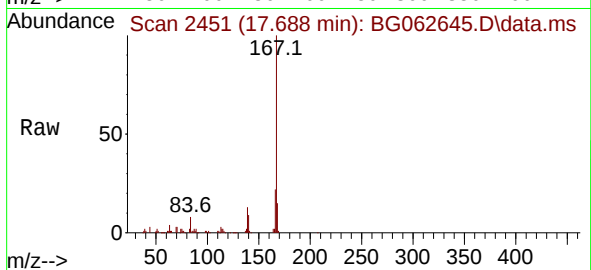
Tgt Ion:167 Resp: 186204

Ion Ratio Lower Upper

167 100

166 22.2 18.2 27.2

139 12.6 10.1 15.1



#74

Di-n-butylphthalate

Concen: 9.689 ng

RT: 18.252 min Scan# 2547

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

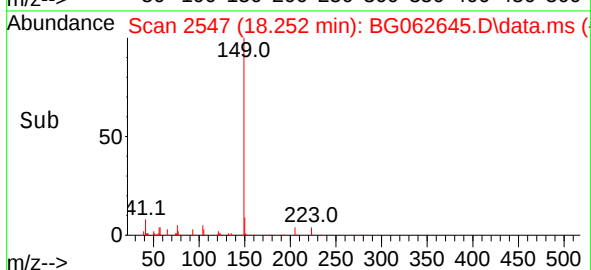
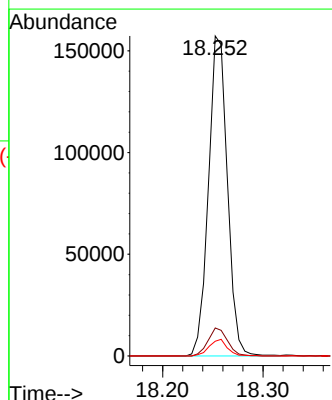
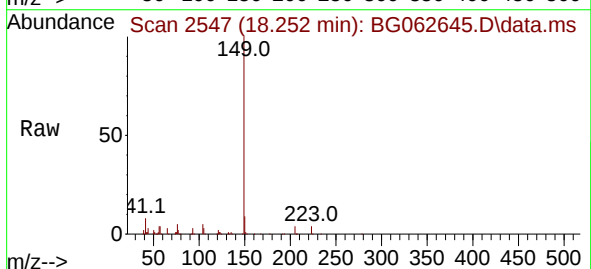
Tgt Ion:149 Resp: 206461

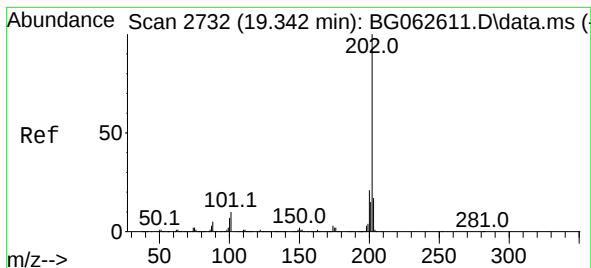
Ion Ratio Lower Upper

149 100

150 8.7 7.3 10.9

104 4.6 4.2 6.2





#75

Fluoranthene

Concen: 10.326 ng

RT: 19.345 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

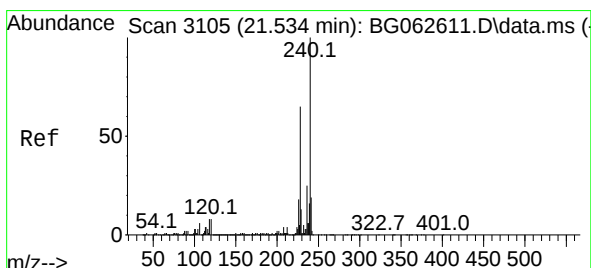
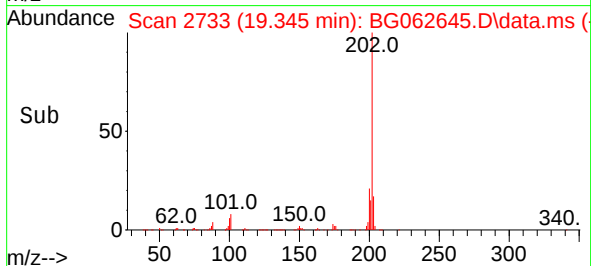
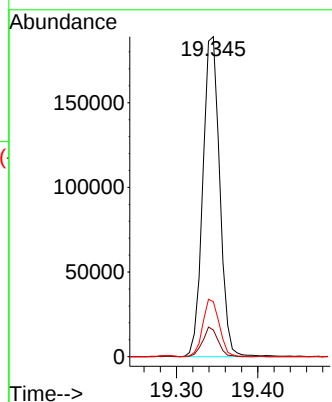
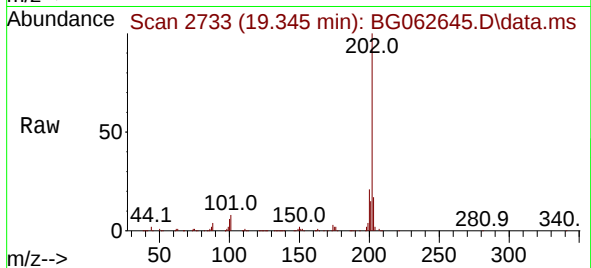
Tgt Ion:202 Resp: 272991

Ion Ratio Lower Upper

202 100

101 8.4 0.0 29.6

203 17.2 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.537 min Scan# 3106

Delta R.T. 0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

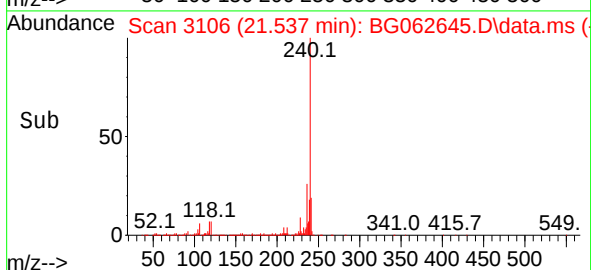
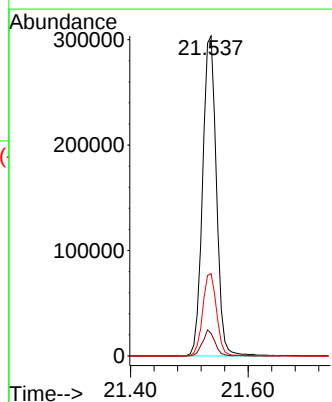
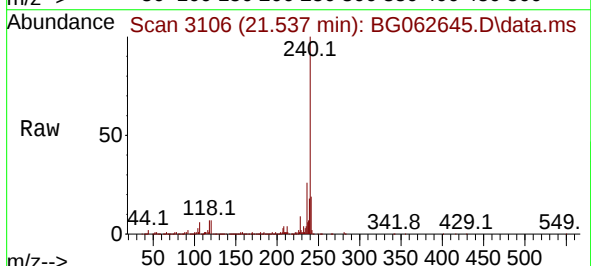
Tgt Ion:240 Resp: 493411

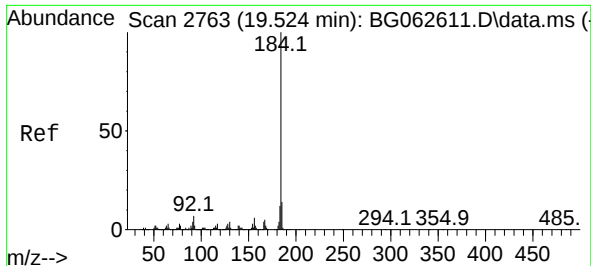
Ion Ratio Lower Upper

240 100

120 7.1 6.6 9.8

236 25.7 20.2 30.4

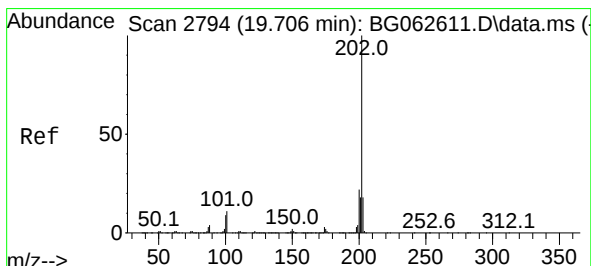
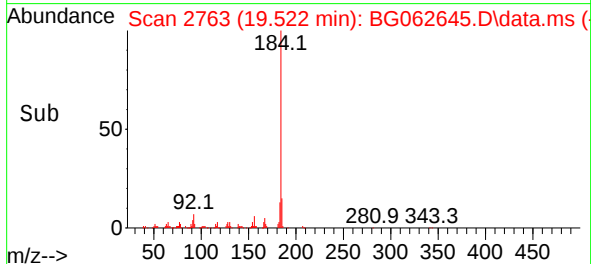
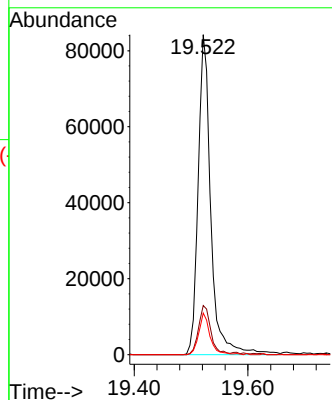
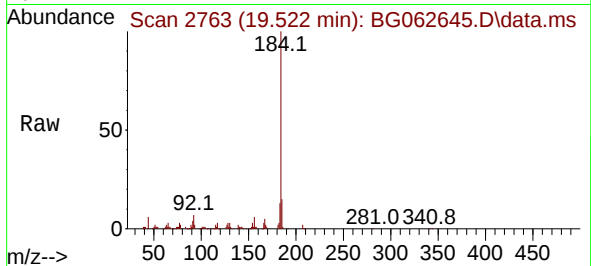




#77
Benzidine
Concen: 14.693 ng
RT: 19.522 min Scan# 2763
Delta R.T. -0.002 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

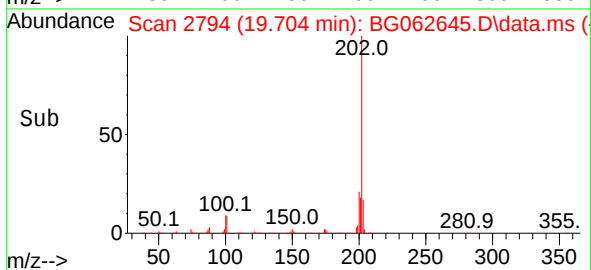
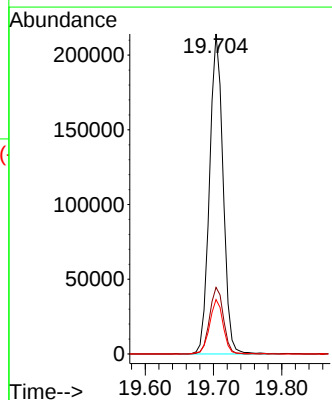
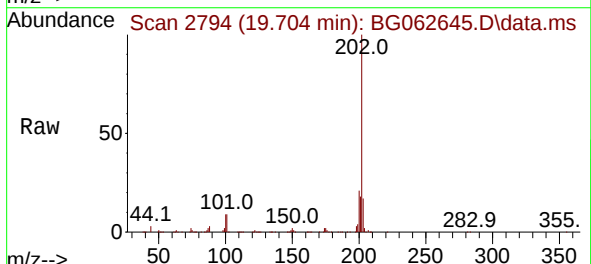
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

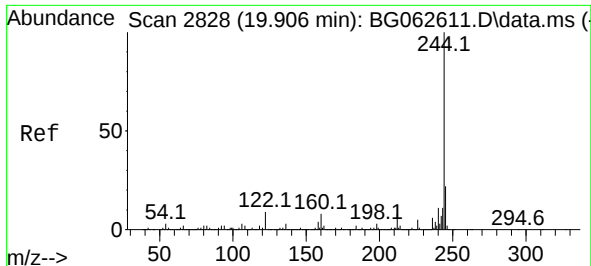
Tgt Ion:184 Resp: 130664
Ion Ratio Lower Upper
184 100
185 15.3 11.0 16.6
183 13.0 9.7 14.5



#78
Pyrene
Concen: 9.429 ng
RT: 19.704 min Scan# 2794
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:202 Resp: 295743
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 17.0 14.1 21.1

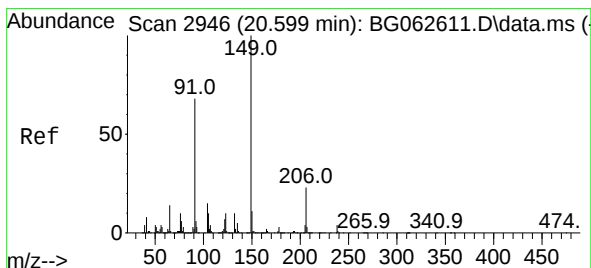
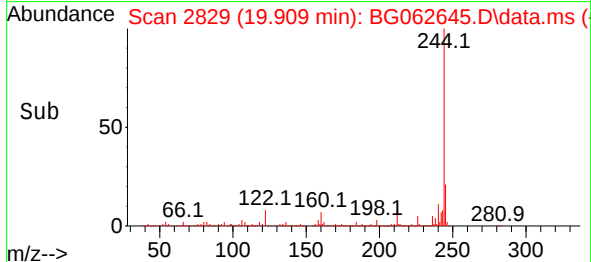
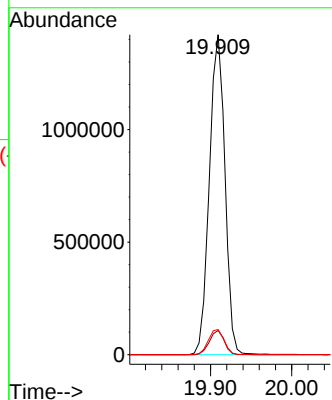
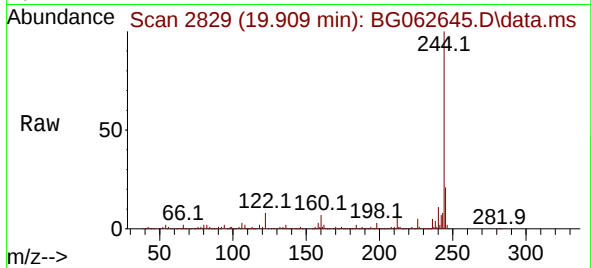




#79
 Terphenyl-d14
 Concen: 75.925 ng
 RT: 19.909 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG062645.D
 Acq: 4 Sep 2024 16:18

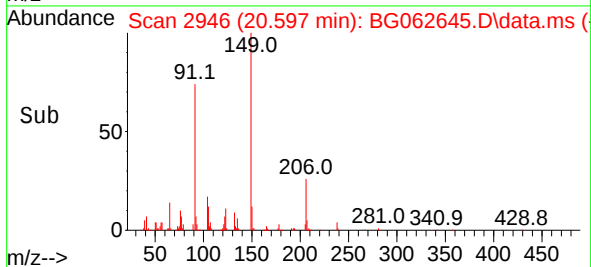
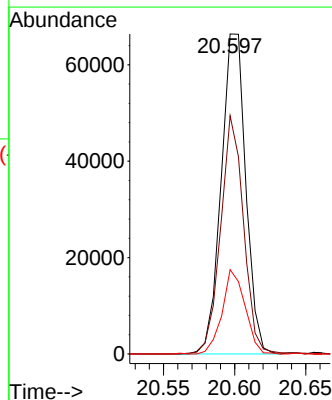
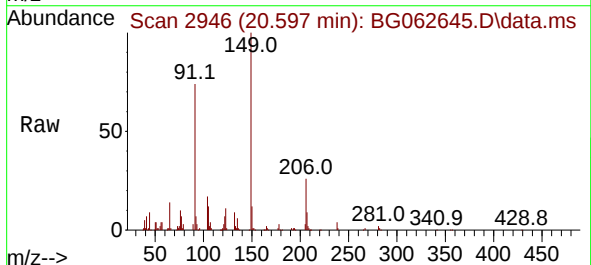
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

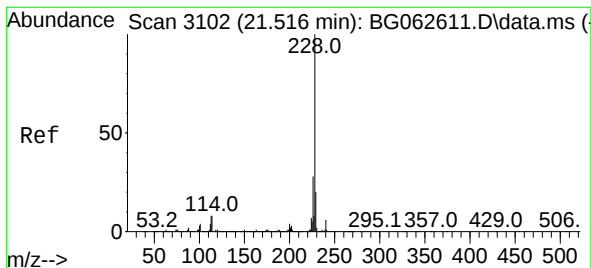
Tgt Ion:244 Resp: 1889335
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.6 10.0
 122 7.9 7.2 10.8



#80
 Butylbenzylphthalate
 Concen: 8.689 ng
 RT: 20.597 min Scan# 2946
 Delta R.T. -0.003 min
 Lab File: BG062645.D
 Acq: 4 Sep 2024 16:18

Tgt Ion:149 Resp: 80051
 Ion Ratio Lower Upper
 149 100
 91 74.5 54.6 81.8
 206 26.3 18.4 27.6





#81

Benzo(a)anthracene

Concen: 10.122 ng

RT: 21.513 min Scan# 3102

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

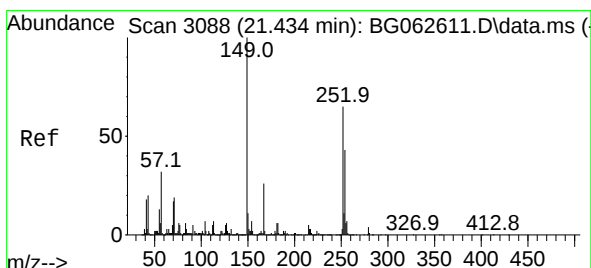
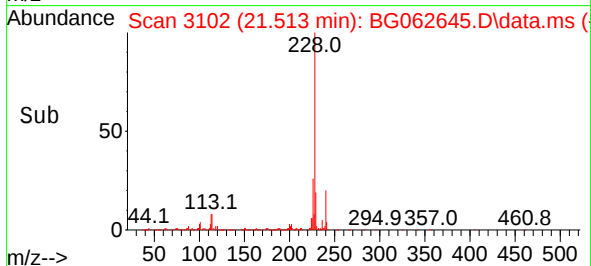
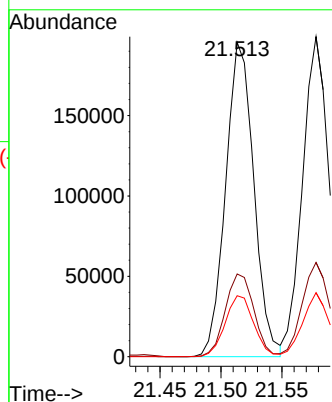
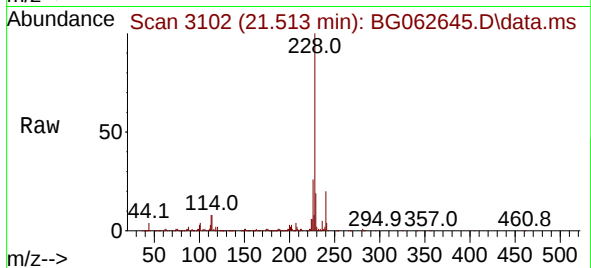
Tgt Ion:228 Resp: 315011

Ion Ratio Lower Upper

228 100

226 26.3 22.3 33.5

229 19.4 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 10.740 ng

RT: 21.437 min Scan# 3089

Delta R.T. 0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

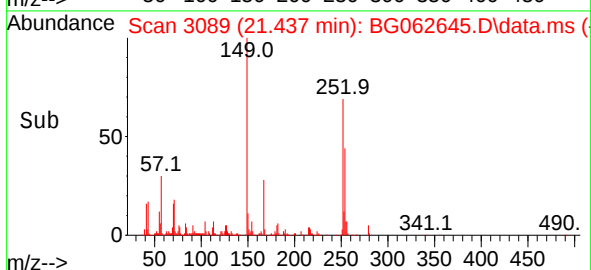
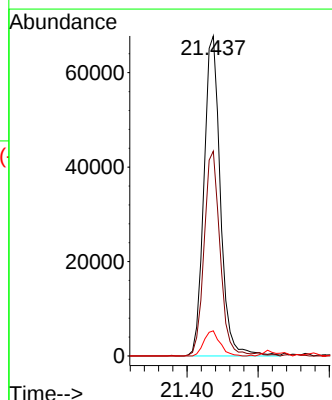
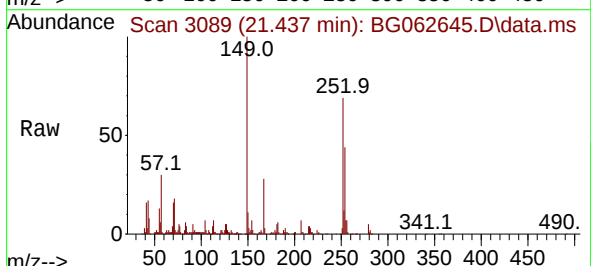
Tgt Ion:252 Resp: 108882

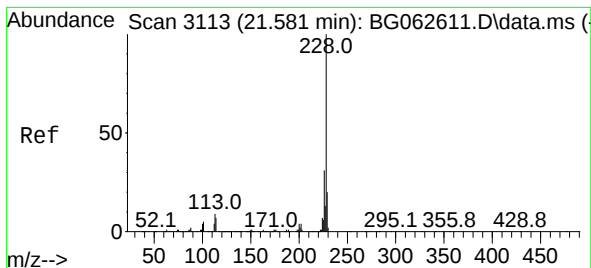
Ion Ratio Lower Upper

252 100

254 64.0 52.2 78.2

126 7.8 6.7 10.1





#83

Chrysene

Concen: 10.269 ng

RT: 21.578 min Scan# 3113

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

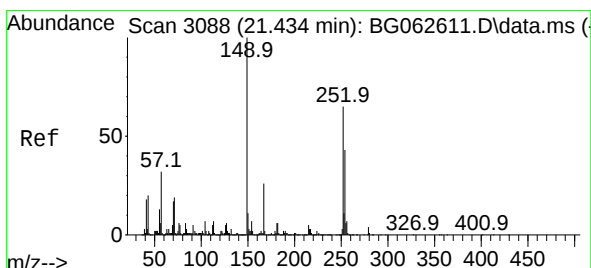
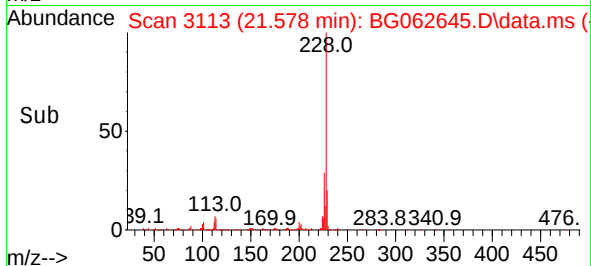
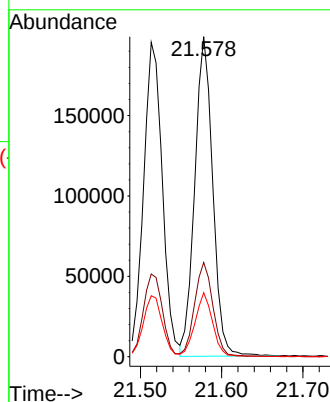
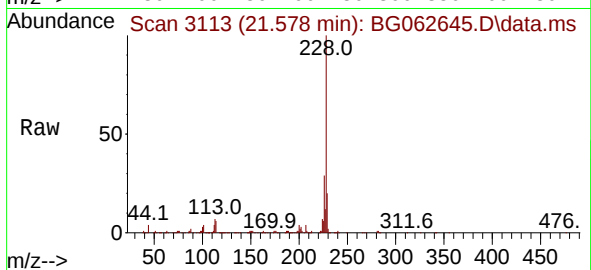
Tgt Ion:228 Resp: 306111

Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

229 20.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.913 ng

RT: 21.437 min Scan# 3089

Delta R.T. 0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

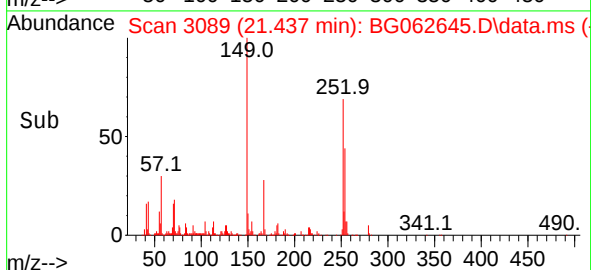
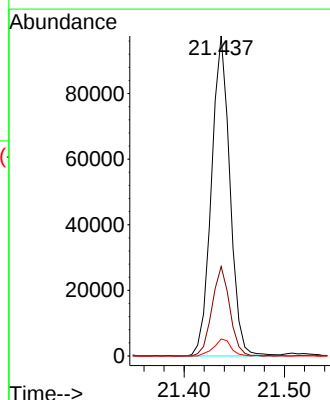
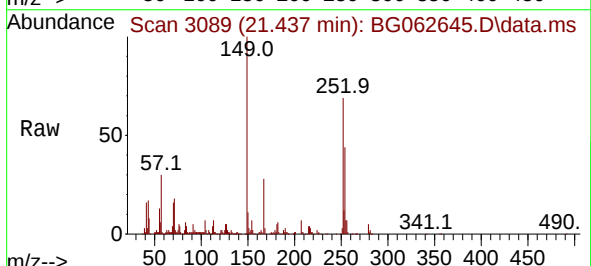
Tgt Ion:149 Resp: 124749

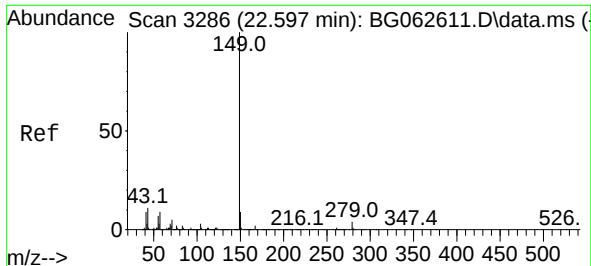
Ion Ratio Lower Upper

149 100

167 28.0 20.5 30.7

279 5.3 3.1 4.7#

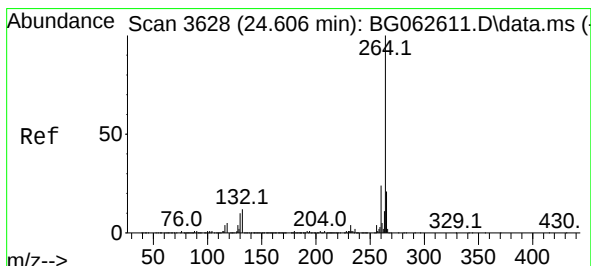
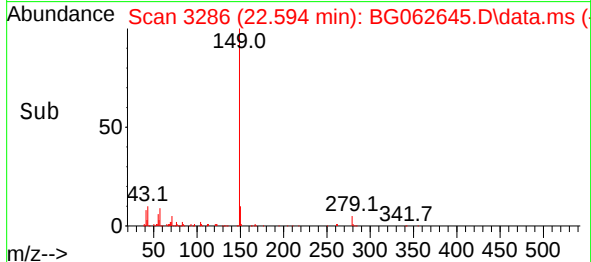
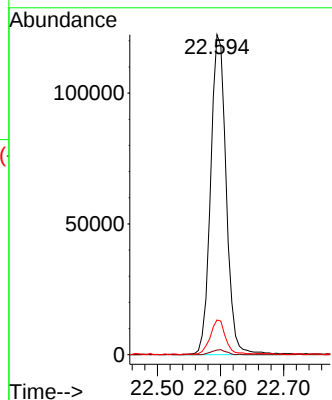
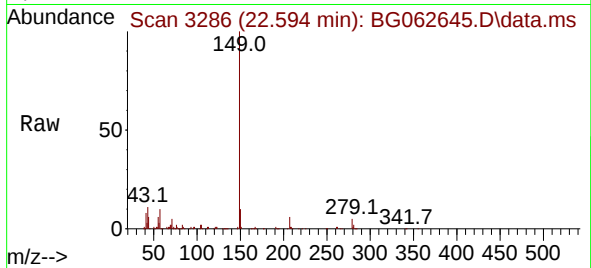




#85
Di-n-octyl phthalate
Concen: 8.535 ng
RT: 22.594 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

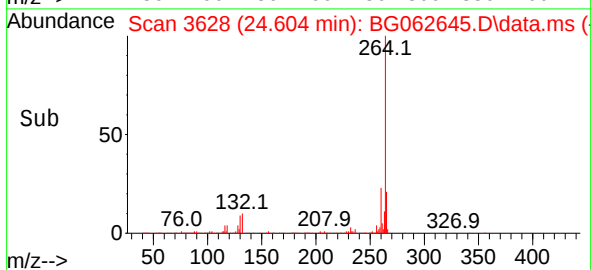
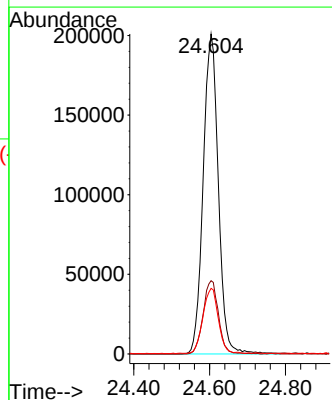
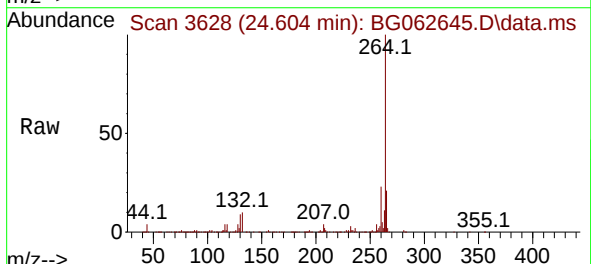
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:149 Resp: 209153
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 11.1 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.604 min Scan# 3628
Delta R.T. -0.003 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:264 Resp: 557097
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.4
265 20.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.010 ng

RT: 28.059 min Scan# 41

Delta R.T. -0.014 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

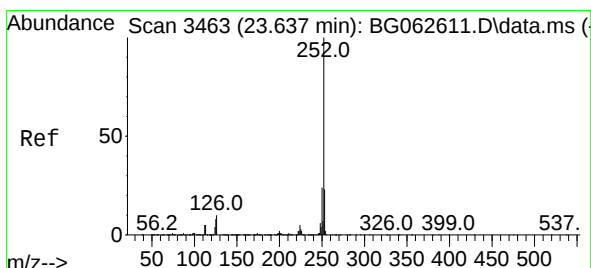
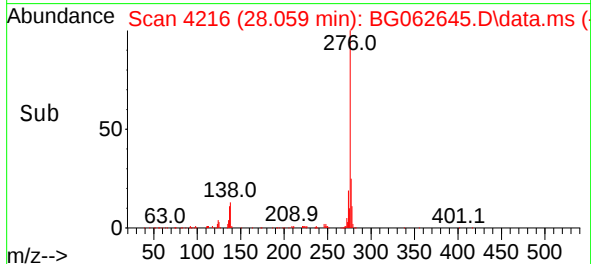
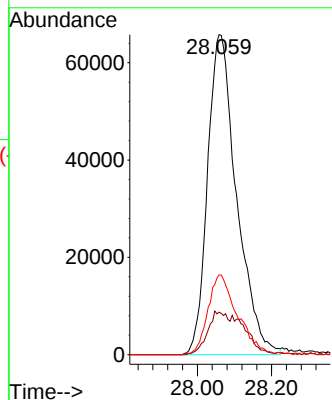
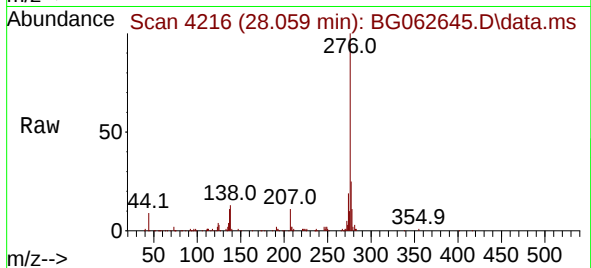
Tgt Ion:276 Resp: 357568

Ion Ratio Lower Upper

276 100

138 9.5 14.9 22.3#

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 9.530 ng

RT: 23.634 min Scan# 3463

Delta R.T. -0.003 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

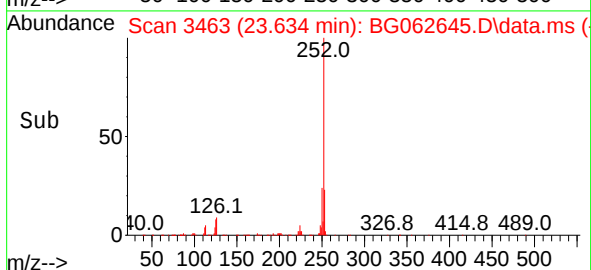
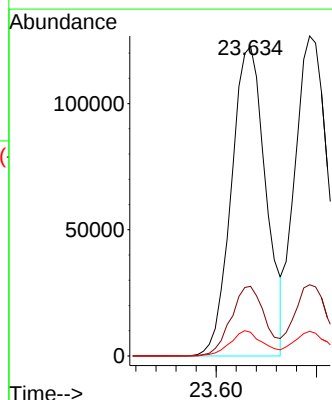
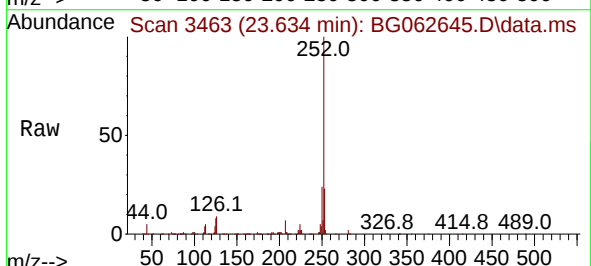
Tgt Ion:252 Resp: 293243

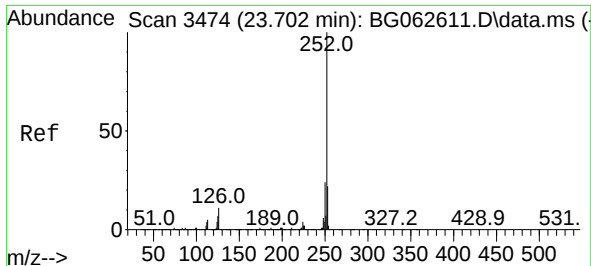
Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

125 7.6 6.2 9.2

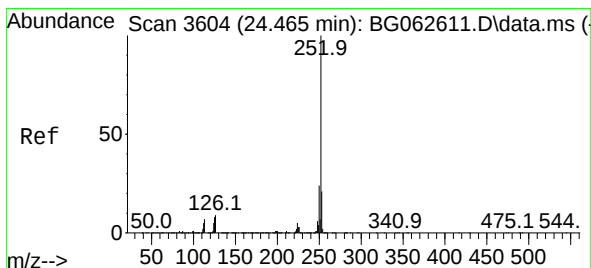
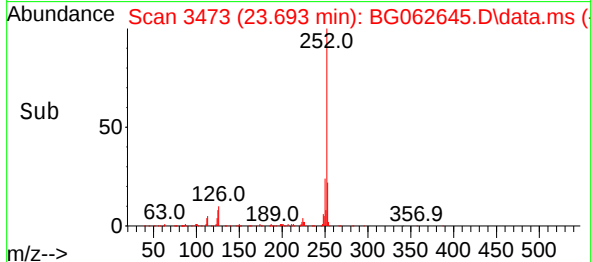
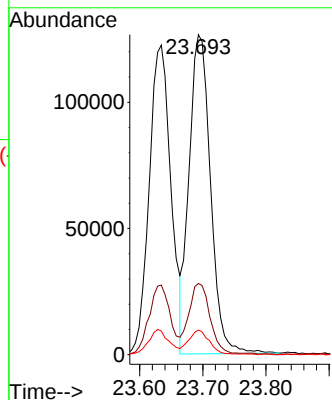
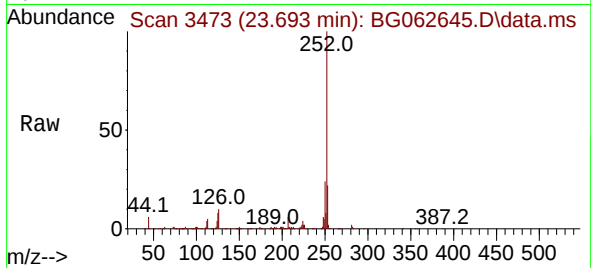




#89
Benzo(k)fluoranthene
Concen: 9.909 ng
RT: 23.693 min Scan# 3473
Delta R.T. -0.008 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

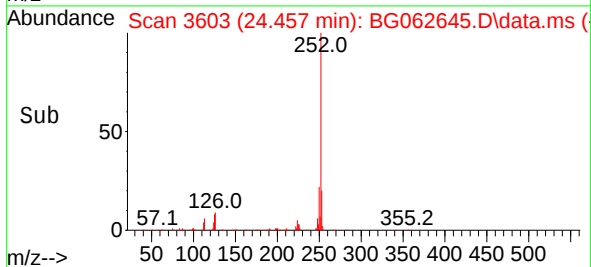
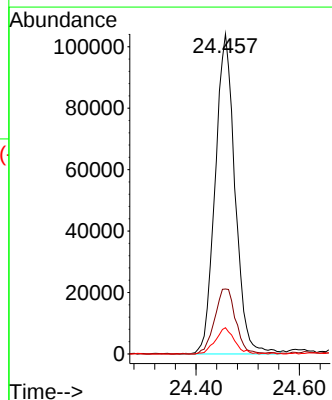
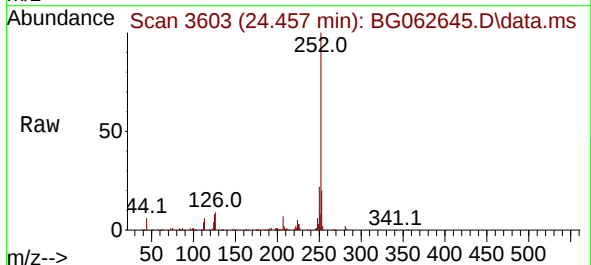
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

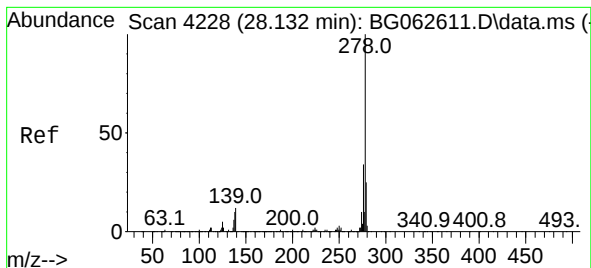
Tgt Ion:252 Resp: 298265
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 7.7 6.1 9.1



#90
Benzo(a)pyrene
Concen: 10.187 ng
RT: 24.457 min Scan# 3603
Delta R.T. -0.008 min
Lab File: BG062645.D
Acq: 4 Sep 2024 16:18

Tgt Ion:252 Resp: 276932
Ion Ratio Lower Upper
252 100
253 20.3 17.1 25.7
125 8.2 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 9.983 ng

RT: 28.117 min Scan# 41

Delta R.T. -0.014 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

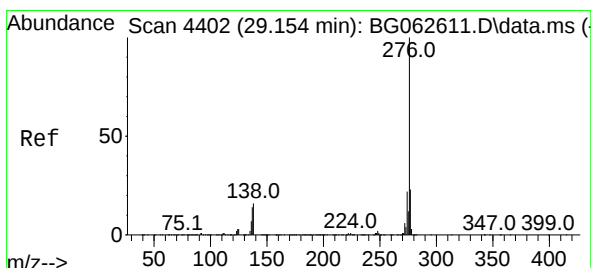
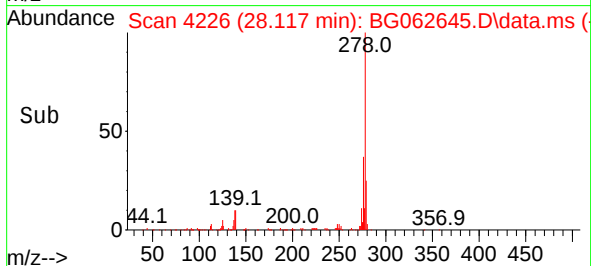
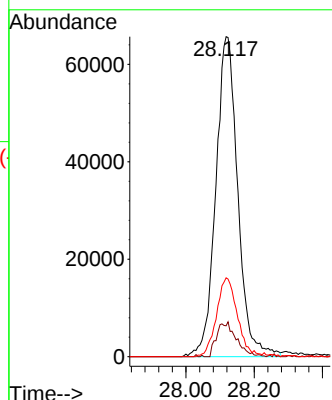
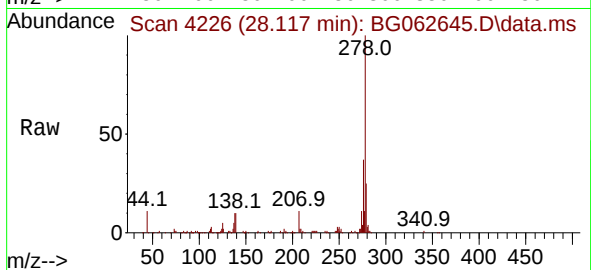
Tgt Ion:278 Resp: 293770

Ion Ratio Lower Upper

278 100

139 9.7 9.2 13.8

279 24.7 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 9.249 ng

RT: 29.140 min Scan# 4400

Delta R.T. -0.014 min

Lab File: BG062645.D

Acq: 4 Sep 2024 16:18

Tgt Ion:276 Resp: 274462

Ion Ratio Lower Upper

276 100

277 21.8 18.8 28.2

138 15.7 12.7 19.1

