

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
 Data File : BG062642.D
 Acq On : 4 Sep 2024 14:08
 Operator : MA/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-5 ng
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 04 14:45:48 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	7.918	152	54239	20.000	ng	0.00
21) Naphthalene-d8	10.715	136	234825	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	192507	20.000	ng	0.00
64) Phenanthrene-d10	17.289	188	539399	20.000	ng	0.00
76) Chrysene-d12	21.537	240	610809	20.000	ng	0.00
86) Perylene-d12	24.610	264	675838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.497	112	306402	97.647	ng	0.00
7) Phenol-d6	7.084	99	440581	97.193	ng	0.00
23) Nitrobenzene-d5	9.070	82	337736	77.459	ng	0.00
42) 2,4,6-Tribromophenol	16.038	330	293838	108.460	ng	0.00
45) 2-Fluorobiphenyl	13.171	172	891063	74.976	ng	0.00
79) Terphenyl-d14	19.910	244	2134687	69.297	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.406	88	6367	4.871	ng	96
3) Pyridine	3.805	79	15472	4.108	ng	# 81
4) n-Nitrosodimethylamine	3.717	42	8710	4.757	ng	# 84
6) Aniline	7.242	93	21631	5.107	ng	96
8) 2-Chlorophenol	7.489	128	14245	4.228	ng	94
9) Benzaldehyde	7.060	77	15697	5.953	ng	95
10) Phenol	7.107	94	19673	4.287	ng	90
11) bis(2-Chloroethyl)ether	7.342	93	15370	4.375	ng	95
12) 1,3-Dichlorobenzene	7.812	146	16172	4.374	ng	93
13) 1,4-Dichlorobenzene	7.812	146	16172	4.251	ng	94
14) 1,2-Dichlorobenzene	8.270	146	15979	4.273	ng	96
15) Benzyl Alcohol	8.153	79	13407	3.997	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.435	45	28454	4.249	ng	99
17) 2-Methylphenol	8.359	107	11992	3.749	ng	89
18) Hexachloroethane	8.999	117	6070	4.255	ng	95
19) n-Nitroso-di-n-propyla...	8.711	70	13387	3.748	ng	97
20) 3+4-Methylphenols	8.682	107	17143	3.633	ng	99
22) Acetophenone	8.735	105	26875	4.242	ng	# 98
24) Nitrobenzene	9.117	77	20478	4.417	ng	93
25) Isophorone	9.634	82	38405	4.013	ng	# 89
26) 2-Nitrophenol	9.827	139	7465	4.262	ng	# 90
27) 2,4-Dimethylphenol	9.886	122	6134	2.390	ng	97
28) bis(2-Chloroethoxy)met...	10.121	93	22113	4.316	ng	95
29) 2,4-Dichlorophenol	10.362	162	15983	4.454	ng	92
30) 1,2,4-Trichlorobenzene	10.579	180	19575	4.601	ng	91
31) Naphthalene	10.762	128	51209	4.400	ng	# 95
33) 4-Chloroaniline	10.867	127	19960	4.358	ng	# 91
34) Hexachlorobutadiene	11.055	225	12997	4.374	ng	96
35) Caprolactam	11.614	113	5894	4.260	ng	# 81
36) 4-Chloro-3-methylphenol	11.996	107	16162	3.734	ng	88
37) 2-Methylnaphthalene	12.372	142	37495	4.153	ng	96
38) 1-Methylnaphthalene	12.372	142	37495	4.136	ng	90
40) 1,2,4,5-Tetrachloroben...	12.742	216	26821	4.633	ng	98
41) Hexachlorocyclopentadiene	12.724	237	4488	2.717	ng	86
43) 2,4,6-Trichlorophenol	12.977	196	14933	4.069	ng	94
44) 2,4,5-Trichlorophenol	13.047	196	17153	4.127	ng	96

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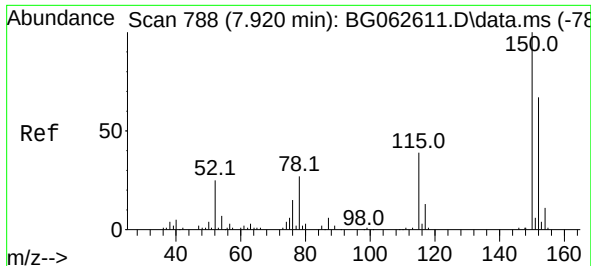
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.382	154	58637	4.566	ng	98
47) 2-Chloronaphthalene	13.423	162	45895	4.409	ng	95
48) 2-Nitroaniline	13.617	65	11379	4.157	ng	87
49) Acenaphthylene	14.269	152	73793	4.787	ng	97
50) Dimethylphthalate	13.999	163	62231	4.421	ng	99
51) 2,6-Dinitrotoluene	14.117	165	10898	4.093	ng	90
52) Acenaphthene	14.610	154	41358	4.292	ng	96
53) 3-Nitroaniline	14.446	138	11182	4.340	ng #	94
54) 2,4-Dinitrophenol	14.657	184	3417	2.287	ng	93
55) Dibenzofuran	14.945	168	75796	4.587	ng	95
56) 4-Nitrophenol	14.751	139	8623	3.949	ng	90
57) 2,4-Dinitrotoluene	14.904	165	14065	3.872	ng	88
58) Fluorene	15.591	166	57150	4.407	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.174	232	17345	4.405	ng #	95
60) Diethylphthalate	15.362	149	59949	4.297	ng	100
61) 4-Chlorophenyl-phenyle...	15.591	204	34808	4.675	ng	93
62) 4-Nitroaniline	15.603	138	11247	3.959	ng	93
63) Azobenzene	15.879	77	54838	4.186	ng	98
65) 4,6-Dinitro-2-methylph...	15.668	198	7893	3.279	ng	89
66) n-Nitrosodiphenylamine	15.797	169	52492	4.048	ng	99
67) 4-Bromophenyl-phenylether	16.478	248	23533	4.227	ng	93
68) Hexachlorobenzene	16.602	284	27708	4.203	ng #	94
69) Atrazine	16.749	200	24956	5.666	ng	96
70) Pentachlorophenol	16.943	266	11718	2.775	ng	97
71) Phenanthrene	17.330	178	117369	4.662	ng	98
72) Anthracene	17.424	178	108538	4.385	ng	98
73) Carbazole	17.689	167	100183	4.402	ng	99
74) Di-n-butylphthalate	18.259	149	108936	4.245	ng #	98
75) Fluoranthene	19.346	202	146187	4.591	ng	97
77) Benzidine	19.528	184	41128	3.736	ng #	94
78) Pyrene	19.704	202	158213	4.075	ng	99
80) Butylbenzylphthalate	20.603	149	41935	3.677	ng	97
81) Benzo(a)anthracene	21.520	228	172303	4.472	ng	96
82) 3,3'-Dichlorobenzidine	21.437	252	55698	4.438	ng	98
83) Chrysene	21.578	228	164072	4.446	ng	98
84) Bis(2-ethylhexyl)phtha...	21.437	149	69162	3.992	ng	99
85) Di-n-octyl phthalate	22.601	149	111214	3.666	ng	98
87) Indeno(1,2,3-cd)pyrene	28.065	276	188609	4.352	ng #	93
88) Benzo(b)fluoranthene	23.635	252	155851	4.175	ng	99
89) Benzo(k)fluoranthene	23.699	252	159794	4.376	ng	99
90) Benzo(a)pyrene	24.463	252	143386	4.348	ng	97
91) Dibenzo(a,h)anthracene	28.124	278	157513	4.412	ng	95
92) Benzo(g,h,i)perylene	29.146	276	147724	4.104	ng	98

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

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BNA_G
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LOQ-SOIL-02-QT2-2024

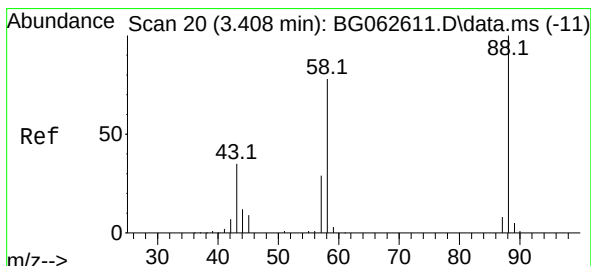
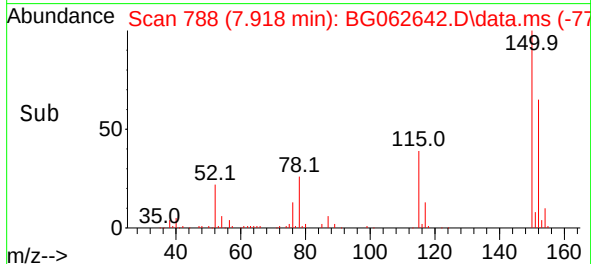
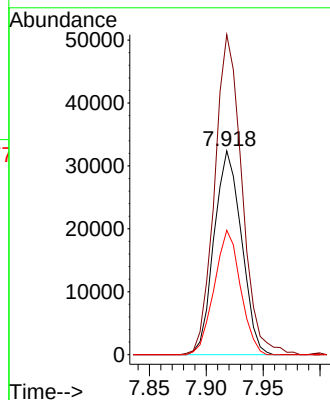
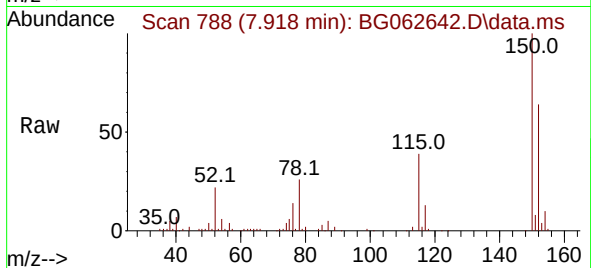
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.918 min Scan# 70
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

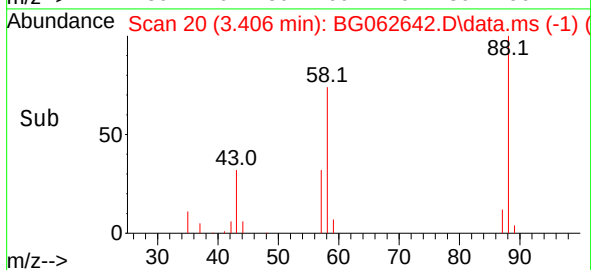
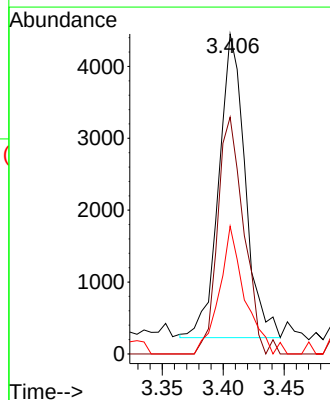
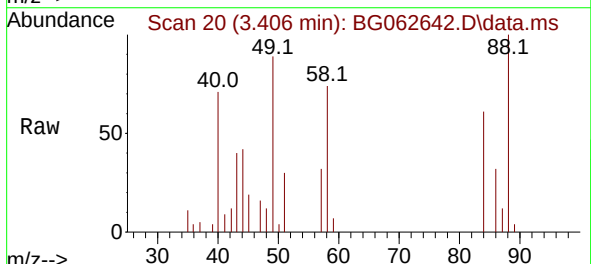
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

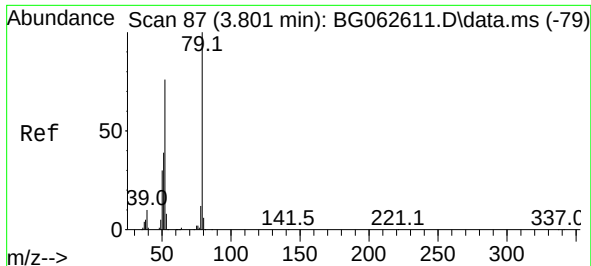
Tgt Ion:152 Resp: 54239
Ion Ratio Lower Upper
152 100
150 157.0 119.9 179.9
115 61.0 46.6 69.8



#2
1,4-Dioxane
Concen: 4.871 ng
RT: 3.406 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion: 88 Resp: 6367
Ion Ratio Lower Upper
88 100
58 77.4 62.3 93.5
43 40.9 27.5 41.3

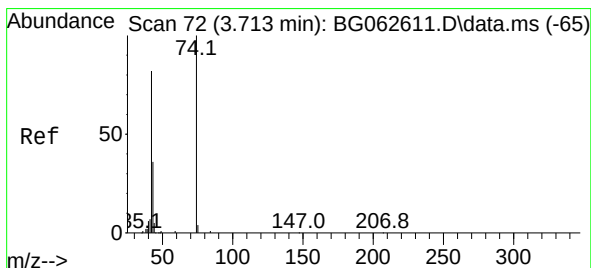
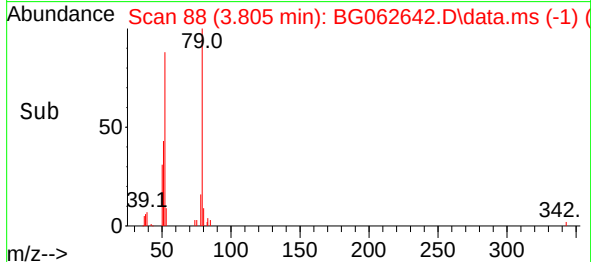
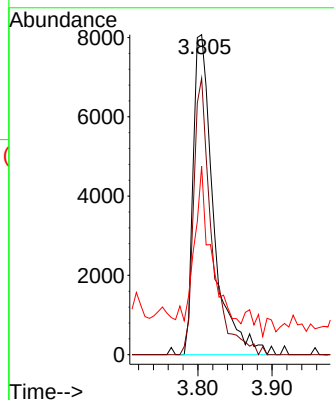
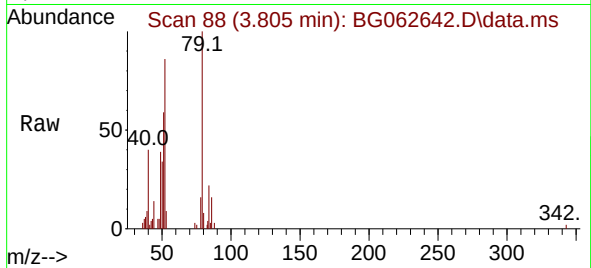




#3
 Pyridine
 Concen: 4.108 ng
 RT: 3.805 min Scan# 80
 Delta R.T. 0.004 min
 Lab File: BG062642.D
 Acq: 4 Sep 2024 14:08

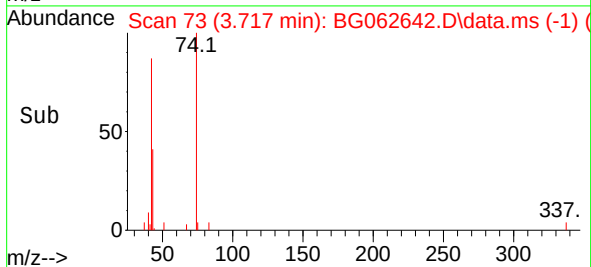
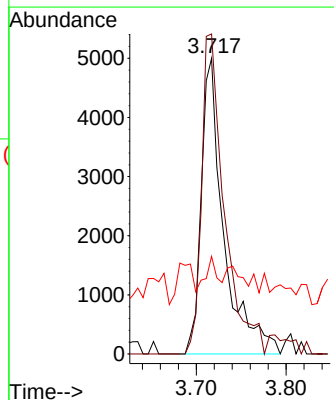
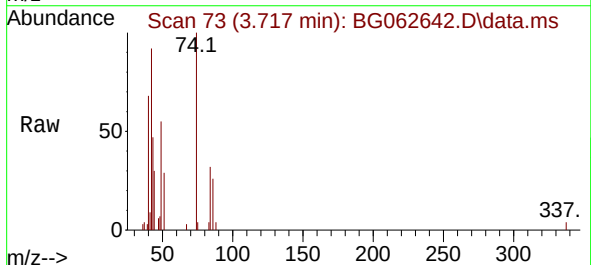
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 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

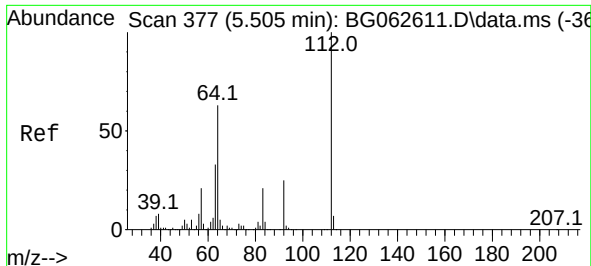
Tgt Ion: 79 Resp: 15472
 Ion Ratio Lower Upper
 79 100
 52 86.4 60.9 91.3
 51 58.9 31.5 47.3#



#4
 n-Nitrosodimethylamine
 Concen: 4.757 ng
 RT: 3.717 min Scan# 73
 Delta R.T. 0.004 min
 Lab File: BG062642.D
 Acq: 4 Sep 2024 14:08

Tgt Ion: 42 Resp: 8710
 Ion Ratio Lower Upper
 42 100
 74 108.3 98.0 147.0
 44 33.0 7.4 11.2#

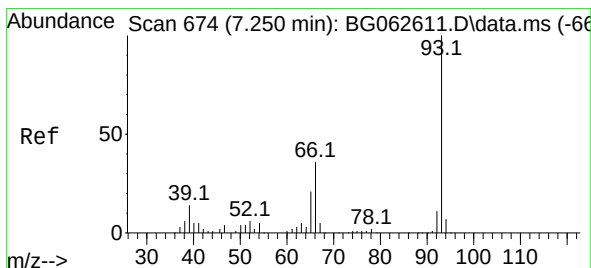
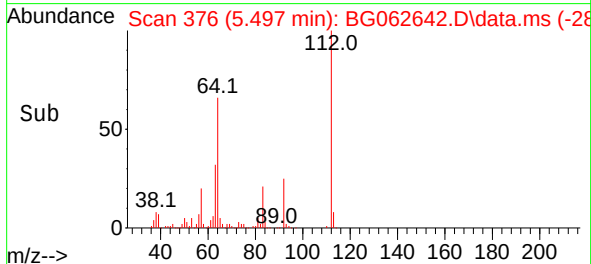
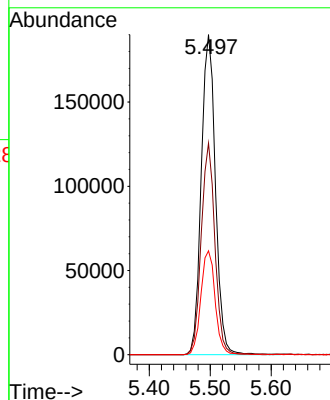
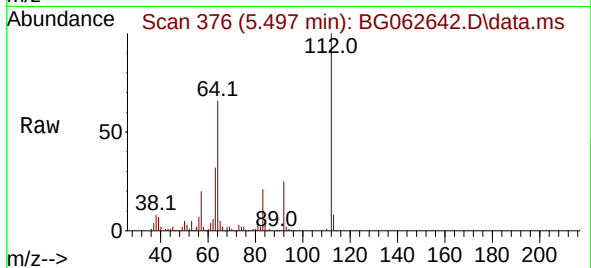




#5
2-Fluorophenol
Concen: 97.647 ng
RT: 5.497 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

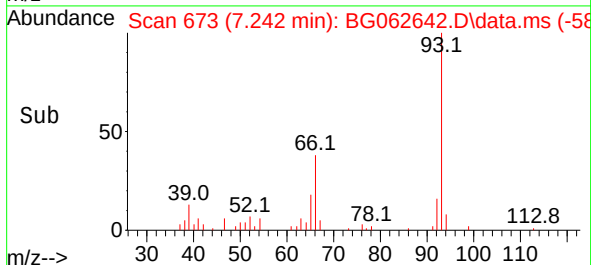
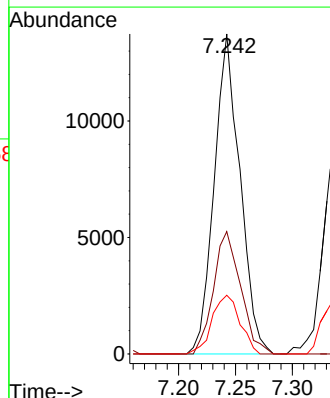
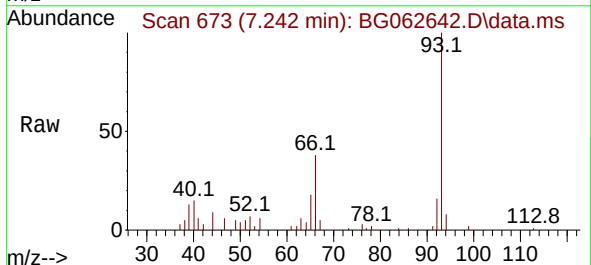
Instrument :
BNA_G
ClientSampleId :
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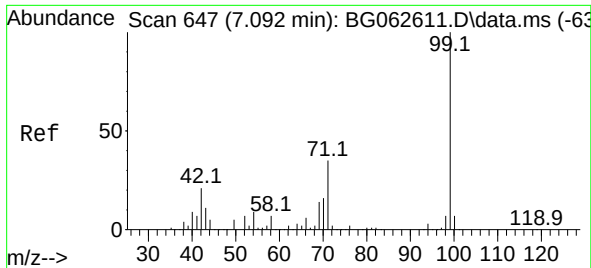
Tgt Ion:112 Resp: 306402
Ion Ratio Lower Upper
112 100
64 66.1 50.2 75.2
63 32.5 26.6 39.8



#6
Aniline
Concen: 5.107 ng
RT: 7.242 min Scan# 673
Delta R.T. -0.008 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion: 93 Resp: 21631
Ion Ratio Lower Upper
93 100
66 38.2 29.1 43.7
65 18.3 16.6 25.0

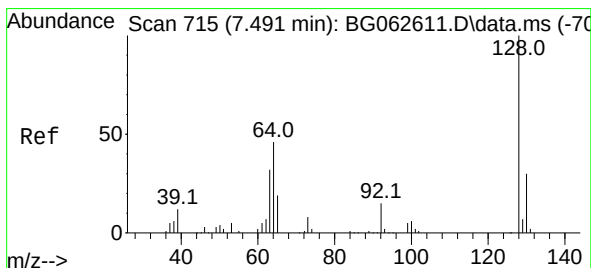
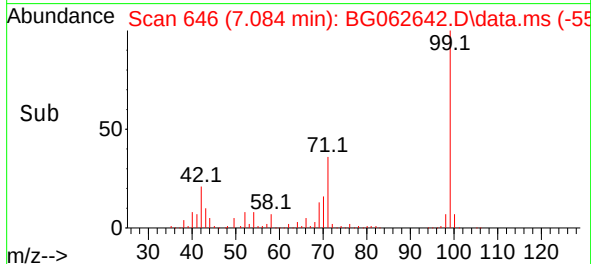
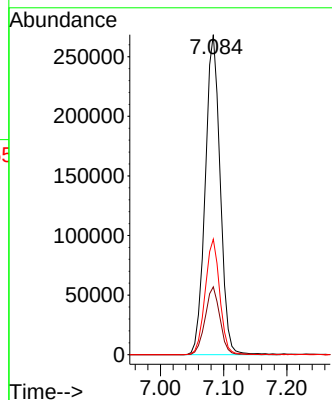
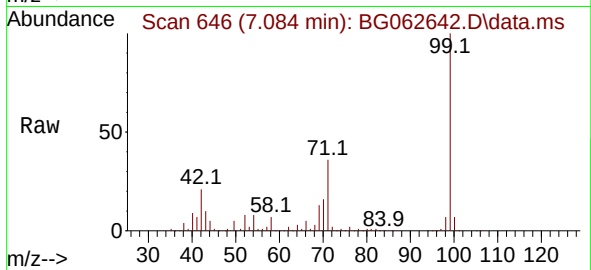




#7
Phenol-d6
Concen: 97.193 ng
RT: 7.084 min Scan# 647
Delta R.T. -0.008 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

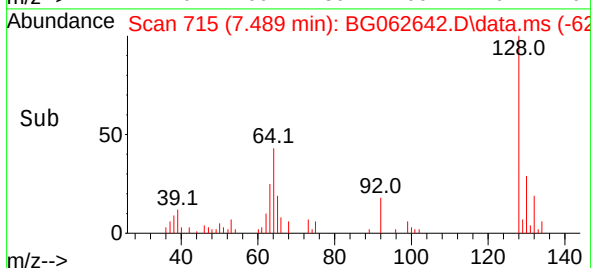
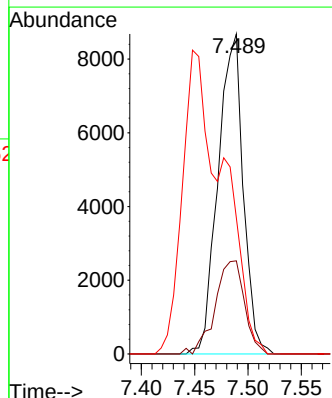
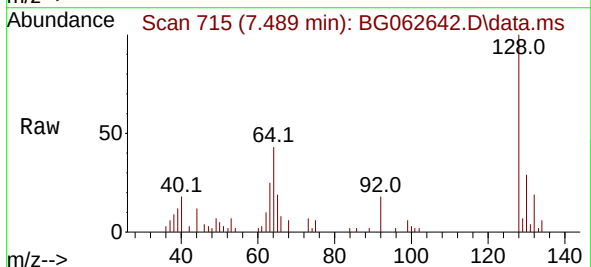
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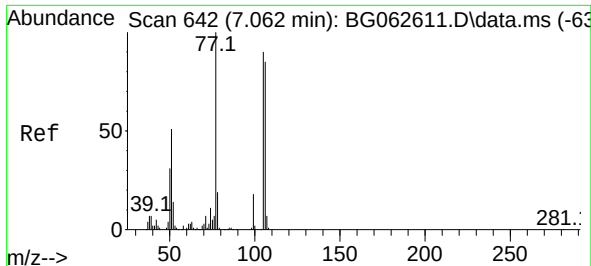
Tgt Ion: 99 Resp: 440581
Ion Ratio Lower Upper
99 100
42 21.2 16.9 25.3
71 36.1 27.9 41.9



#8
2-Chlorophenol
Concen: 4.228 ng
RT: 7.489 min Scan# 715
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion: 128 Resp: 14245
Ion Ratio Lower Upper
128 100
130 29.1 10.0 50.0
64 42.5 28.8 68.8





#9

Benzaldehyde

Concen: 5.953 ng

RT: 7.060 min Scan# 642

Delta R.T. -0.002 min

Lab File: BG062642.D

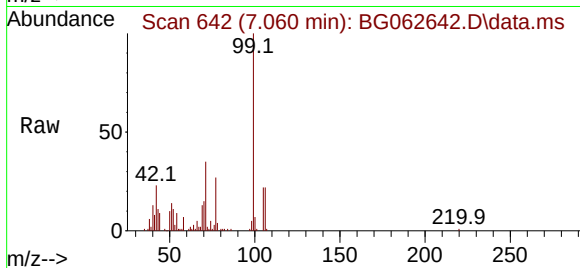
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Instrument :

BNA_G

ClientSampleId :

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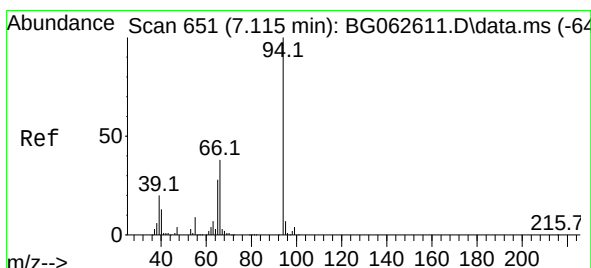
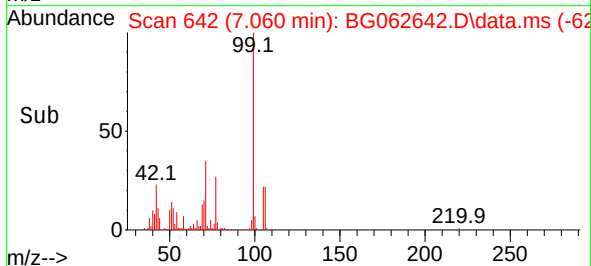
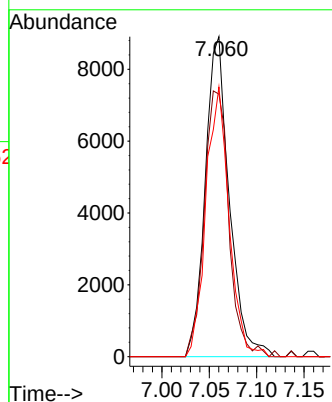
Tgt Ion: 77 Resp: 15697

Ion Ratio Lower Upper

77 100

105 82.0 70.2 110.2

106 84.3 65.4 105.4



#10

Phenol

Concen: 4.287 ng

RT: 7.107 min Scan# 650

Delta R.T. -0.008 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

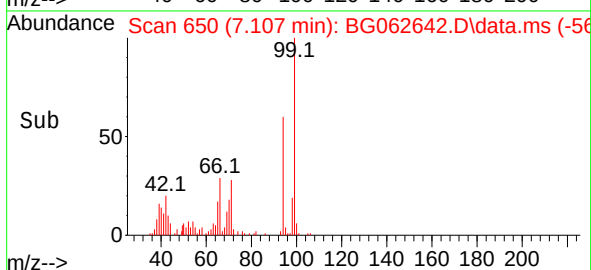
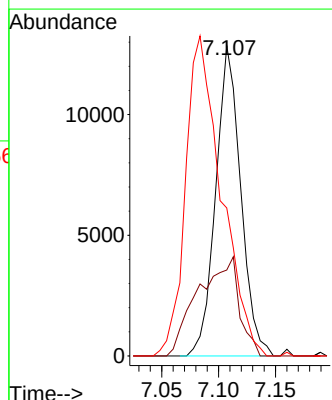
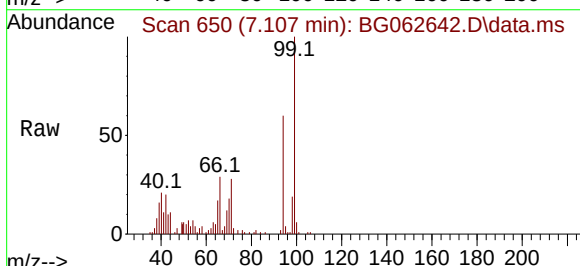
Tgt Ion: 94 Resp: 19673

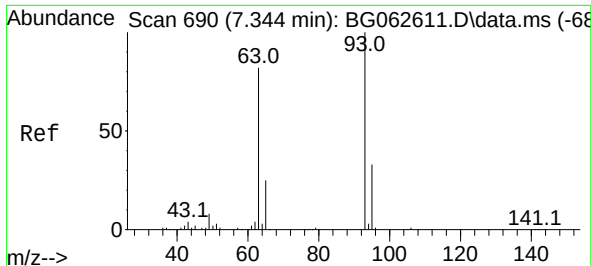
Ion Ratio Lower Upper

94 100

65 27.7 8.6 48.6

66 47.7 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 4.375 ng

RT: 7.342 min Scan# 690

Delta R.T. -0.002 min

Lab File: BG062642.D

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Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

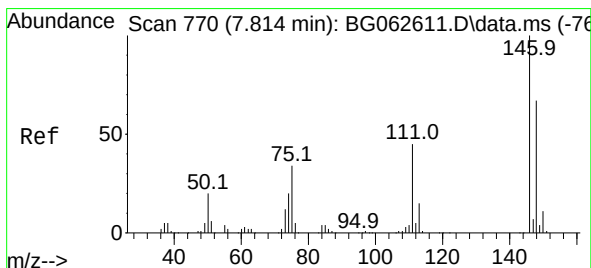
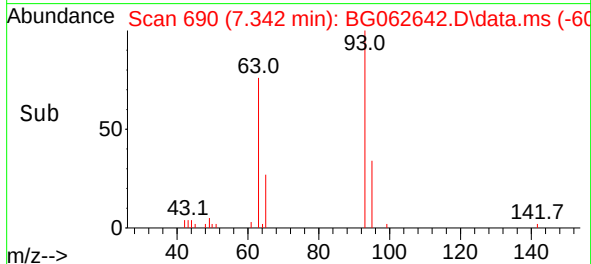
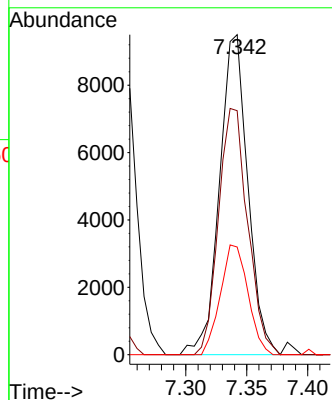
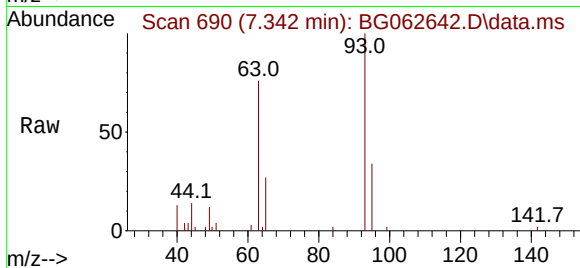
Tgt Ion: 93 Resp: 15370

Ion Ratio Lower Upper

93 100

63 76.3 61.9 101.9

95 33.6 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 4.374 ng

RT: 7.812 min Scan# 770

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

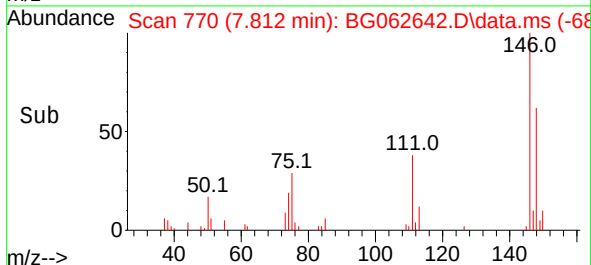
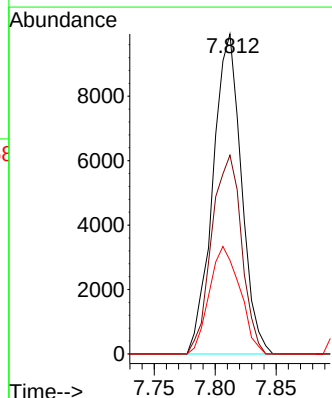
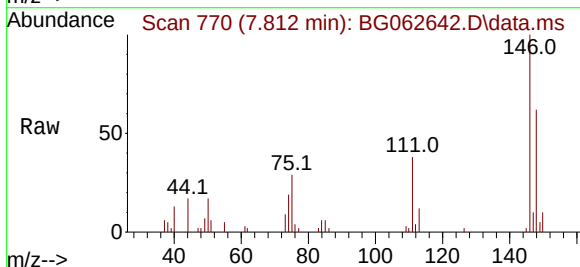
Tgt Ion:146 Resp: 16172

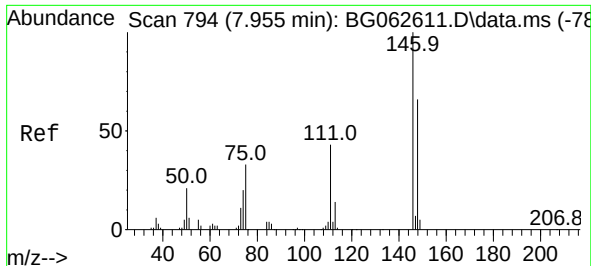
Ion Ratio Lower Upper

146 100

148 62.1 53.9 80.9

75 29.2 27.0 40.4

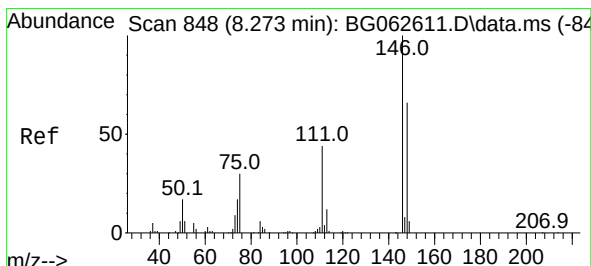
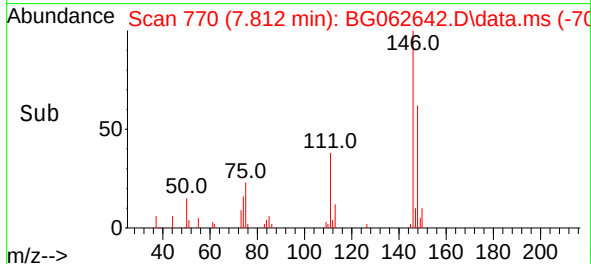
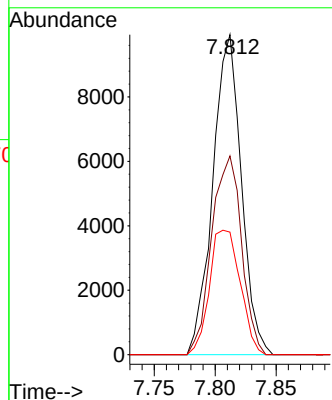
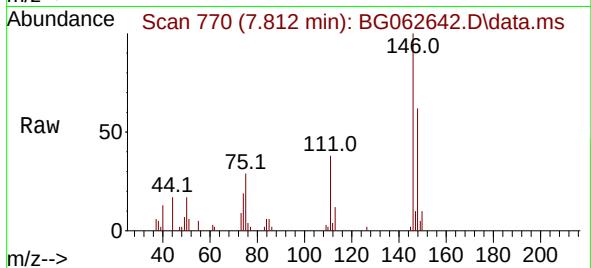




#13
1,4-Dichlorobenzene
Concen: 4.251 ng
RT: 7.812 min Scan# 71
Delta R.T. -0.143 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

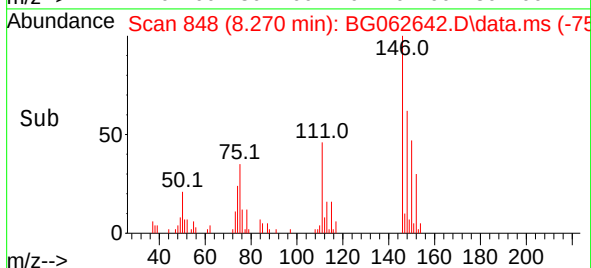
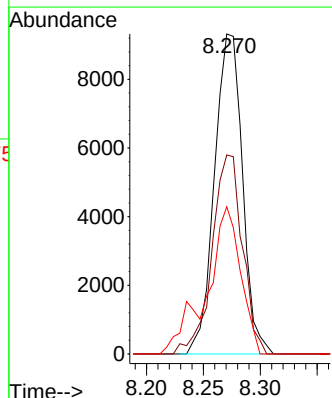
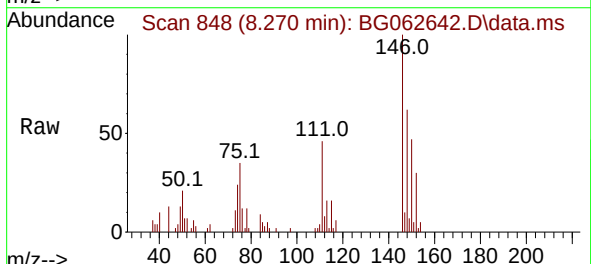
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

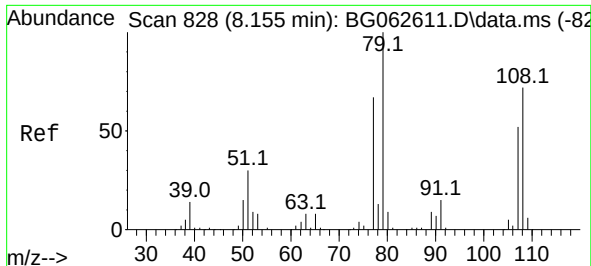
Tgt Ion:146 Resp: 16172
Ion Ratio Lower Upper
146 100
148 62.1 53.0 79.6
111 38.3 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 4.273 ng
RT: 8.270 min Scan# 848
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:146 Resp: 15979
Ion Ratio Lower Upper
146 100
148 62.2 52.5 78.7
111 46.0 35.5 53.3





#15

Benzyl Alcohol

Concen: 3.997 ng

RT: 8.153 min Scan# 81

Delta R.T. -0.002 min

Lab File: BG062642.D

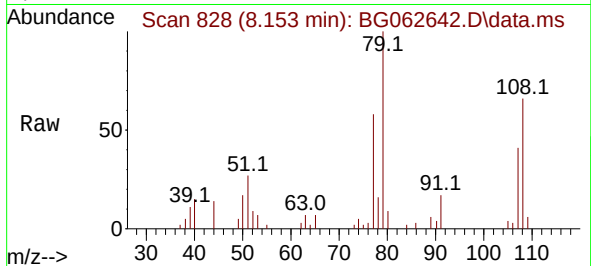
Acq: 4 Sep 2024 14:08

Instrument :

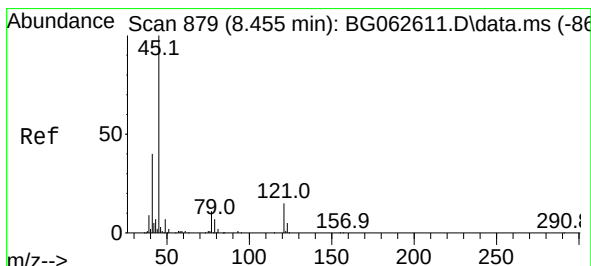
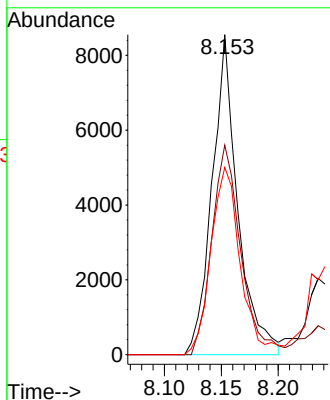
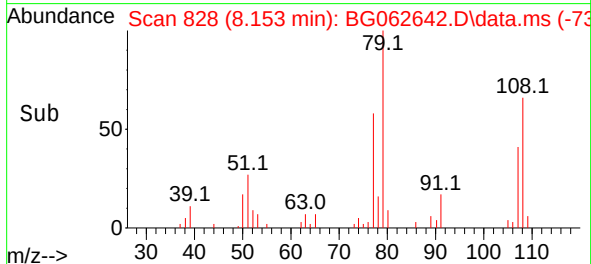
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion: 79	Resp: 13407
Ion Ratio	Lower Upper
79	100
108	65.5 57.9 86.9
77	58.5 53.4 80.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.249 ng

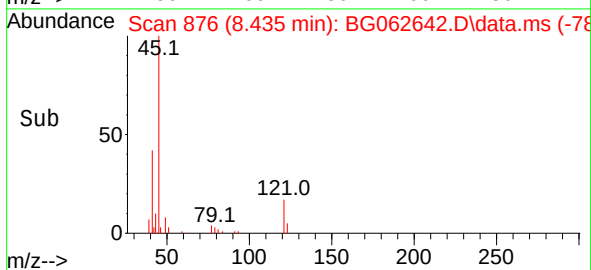
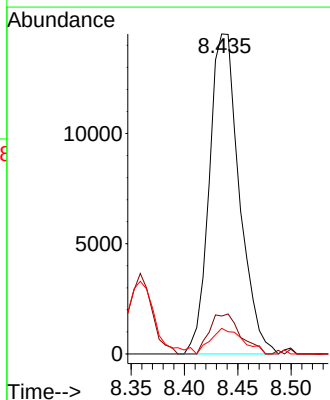
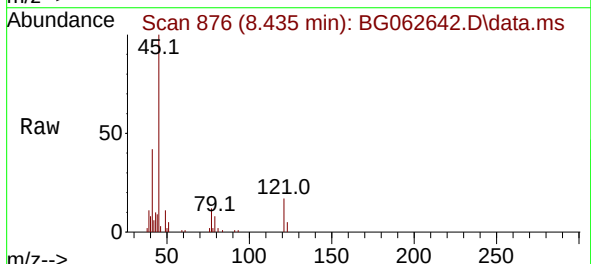
RT: 8.435 min Scan# 876

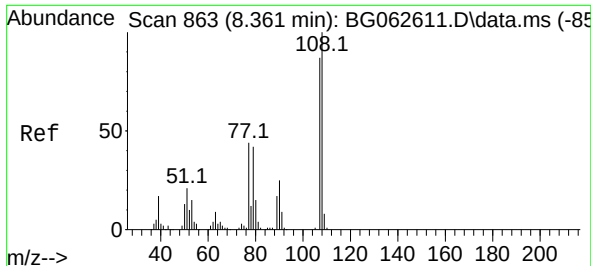
Delta R.T. -0.020 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Tgt Ion: 45	Resp: 28454
Ion Ratio	Lower Upper
45	100
77	11.8 0.0 31.7
79	8.0 0.0 28.3

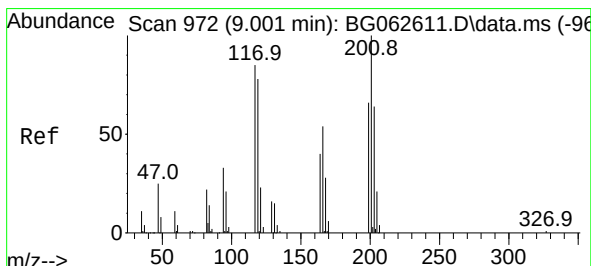
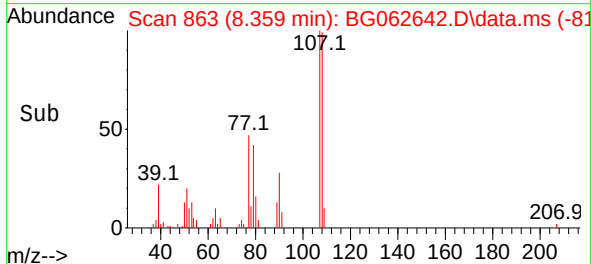
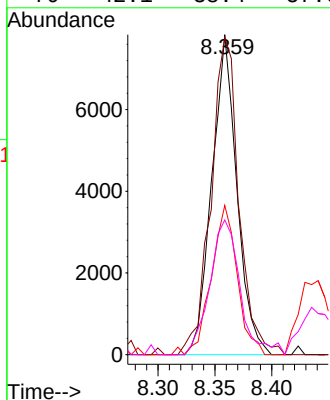
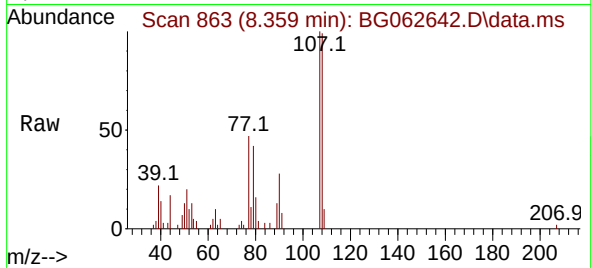




#17
2-Methylphenol
Concen: 3.749 ng
RT: 8.359 min Scan# 863
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

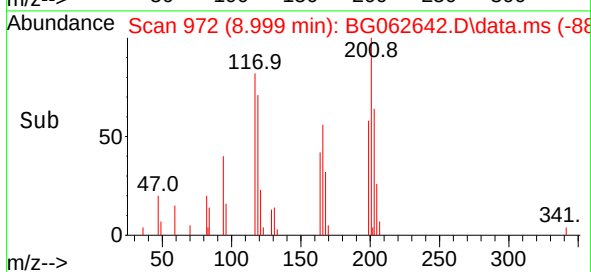
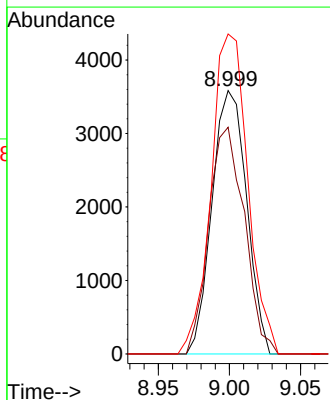
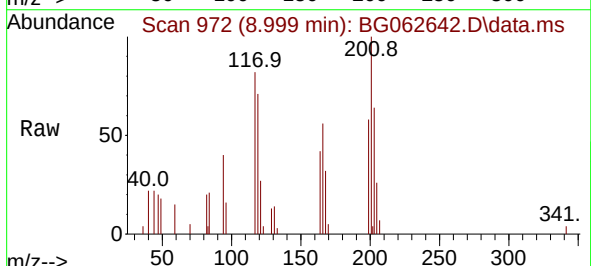
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

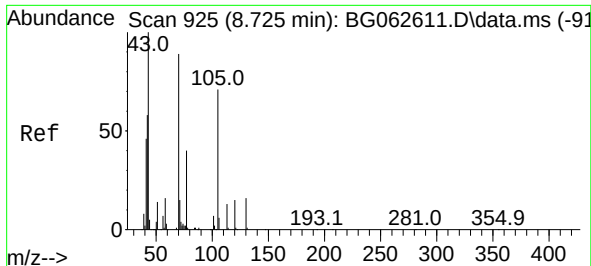
Tgt Ion:	107	Resp:	11992
Ion	Ratio	Lower	Upper
107	100		
108	99.2	91.5	137.3
77	46.6	40.0	60.0
79	42.1	38.4	57.6



#18
Hexachloroethane
Concen: 4.255 ng
RT: 8.999 min Scan# 972
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:	117	Resp:	6070
Ion	Ratio	Lower	Upper
117	100		
119	86.1	73.4	110.0
201	121.5	93.9	140.9

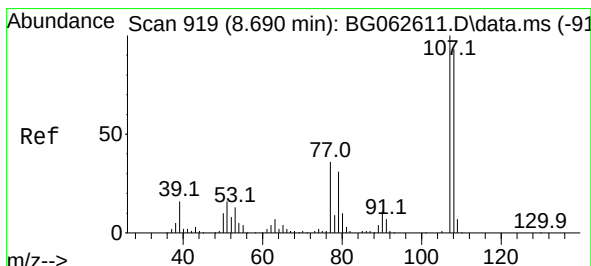
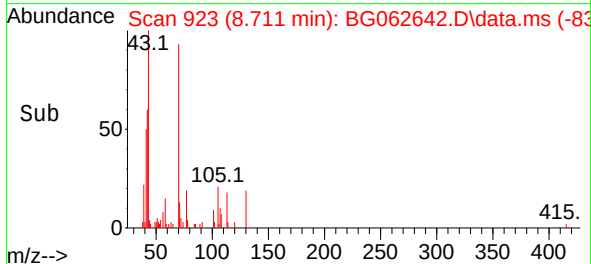
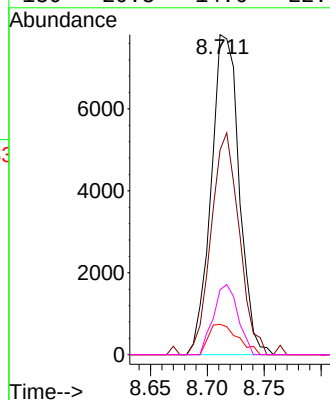
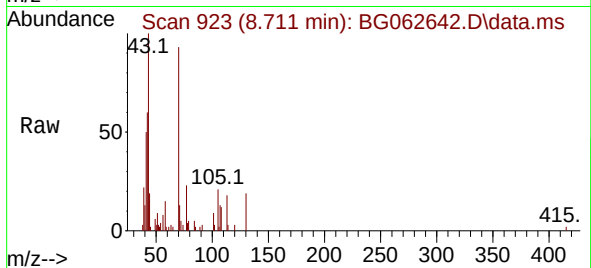




#19
n-Nitroso-di-n-propylamine
Concen: 3.748 ng
RT: 8.711 min Scan# 918
Delta R.T. -0.014 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

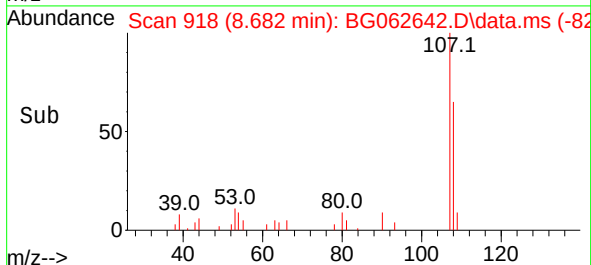
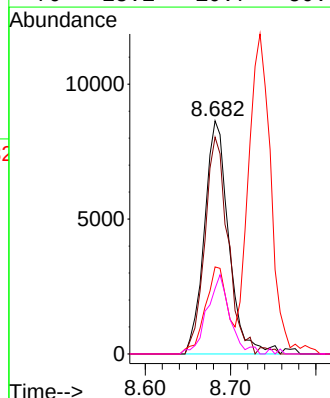
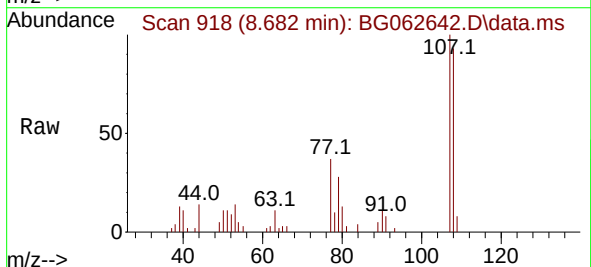
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

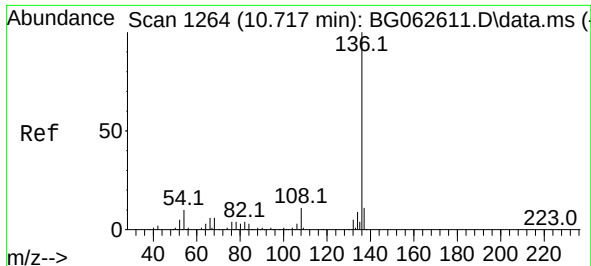
Tgt Ion:	70	Resp:	13387
Ion	Ratio	Lower	Upper
70	100		
42	63.9	52.3	78.5
101	9.5	6.6	9.8
130	20.3	14.6	22.0



#20
3+4-Methylphenols
Concen: 3.633 ng
RT: 8.682 min Scan# 918
Delta R.T. -0.008 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:	107	Resp:	17143
Ion	Ratio	Lower	Upper
107	100		
108	93.0	72.7	112.7
77	37.4	16.5	56.5
79	28.1	10.7	50.7

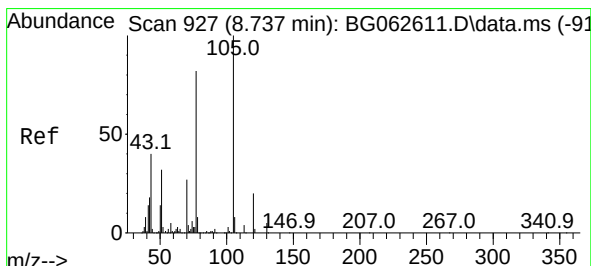
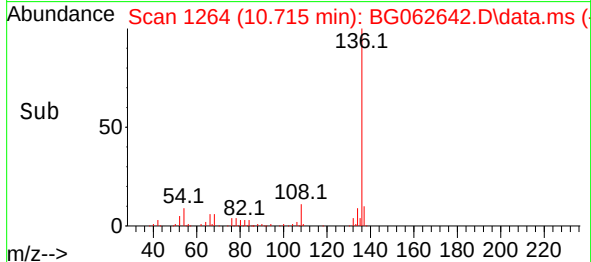
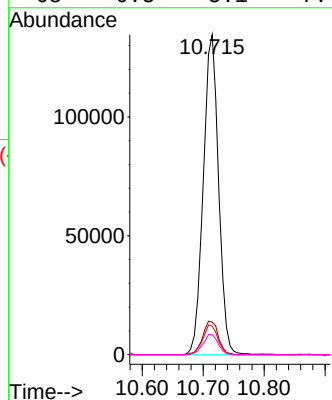
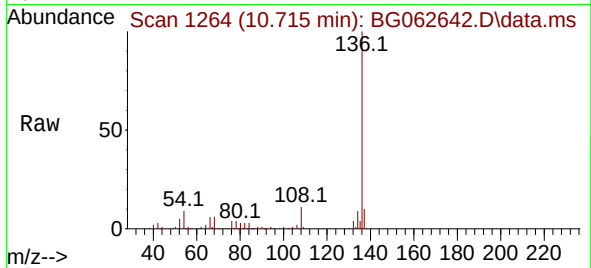




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.715 min Scan# 1264
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

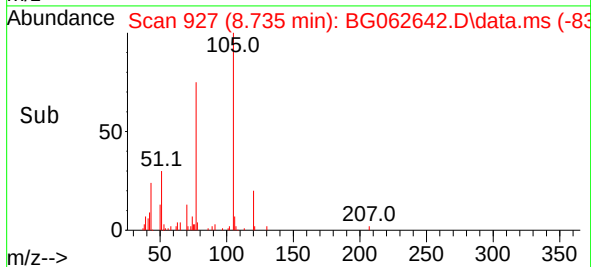
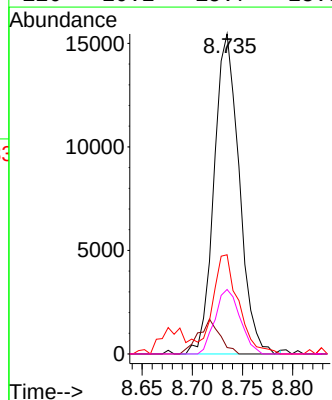
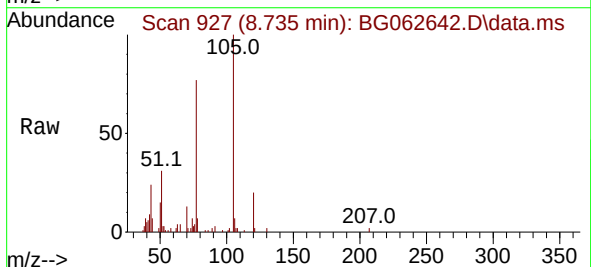
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2024

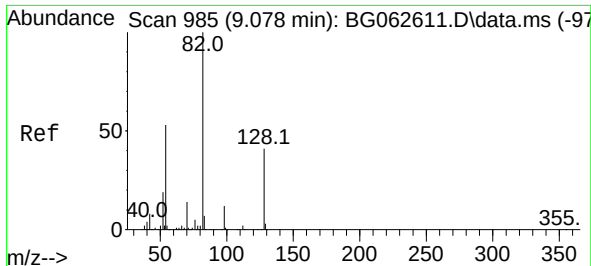
Tgt Ion:136	Resp: 234825
Ion Ratio	Lower Upper
136 100	
137 10.2	9.0 13.4
54 9.0	7.8 11.6
68 6.3	5.1 7.7



#22
Acetophenone
Concen: 4.242 ng
RT: 8.735 min Scan# 927
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt	Ion:105	Resp:	26875
Ion	Ratio	Lower	Upper
105	100		
71	2.0	3.5	5.3#
51	31.0	25.7	38.5
120	20.2	15.7	23.5

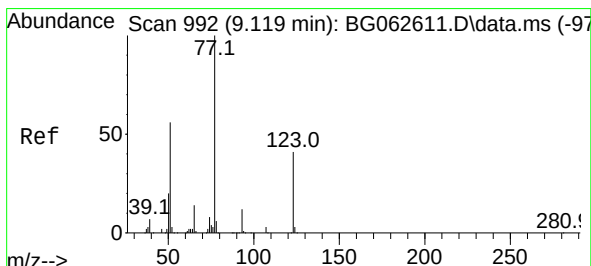
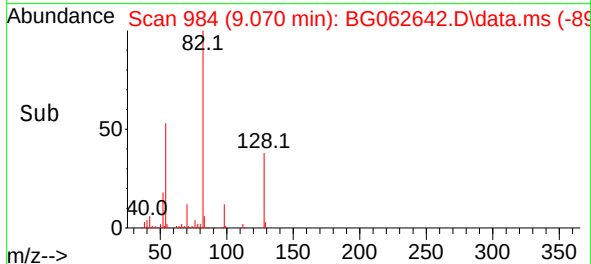
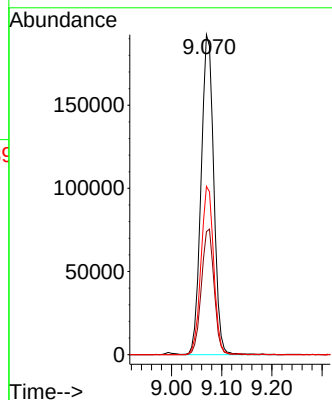
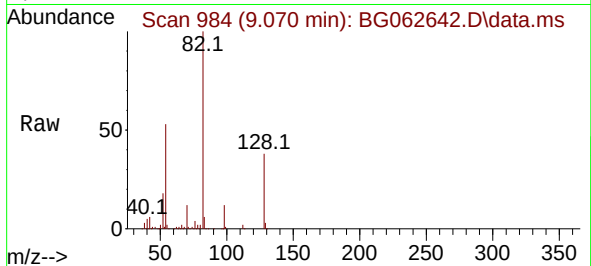




#23
Nitrobenzene-d5
Concen: 77.459 ng
RT: 9.070 min Scan# 90
Delta R.T. -0.008 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

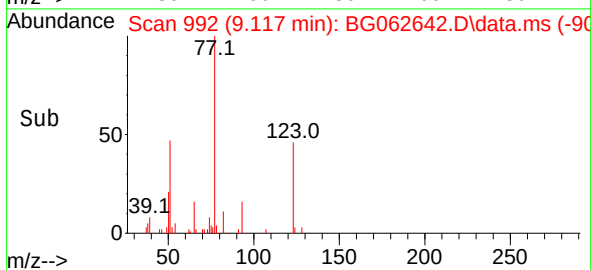
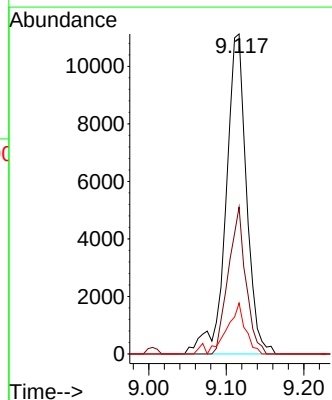
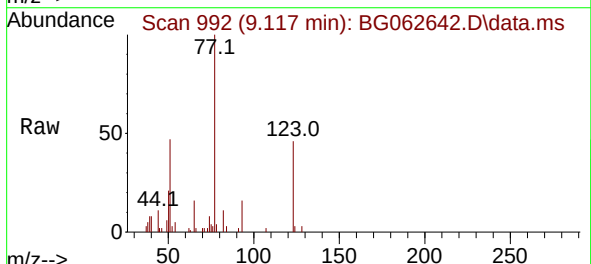
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

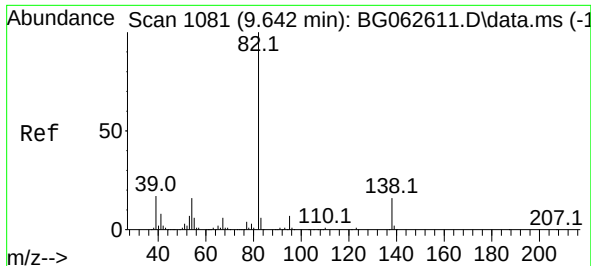
Tgt Ion: 82 Resp: 337736
Ion Ratio Lower Upper
82 100
128 38.4 32.5 48.7
54 52.6 42.5 63.7



#24
Nitrobenzene
Concen: 4.417 ng
RT: 9.117 min Scan# 992
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion: 77 Resp: 20478
Ion Ratio Lower Upper
77 100
123 45.9 33.1 49.7
65 15.9 11.0 16.4

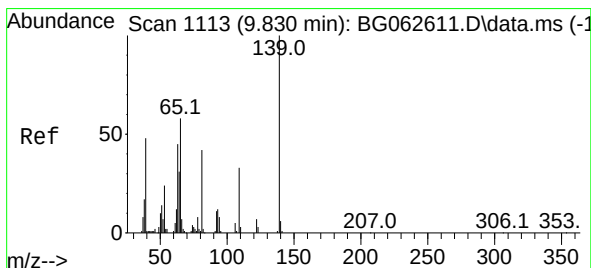
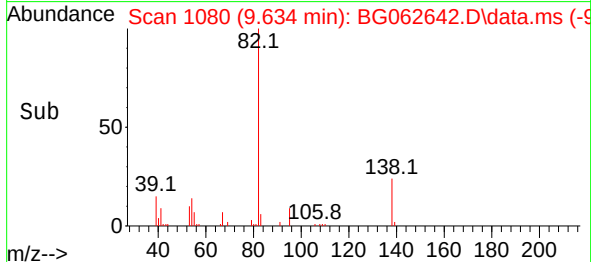
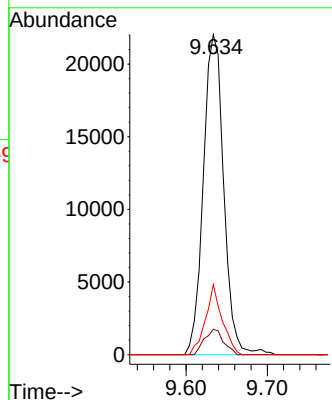
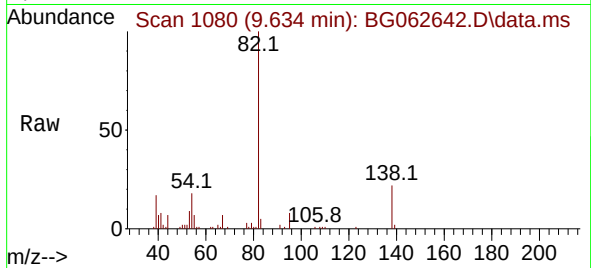




#25
Isophorone
Concen: 4.013 ng
RT: 9.634 min Scan# 1080
Delta R.T. -0.008 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

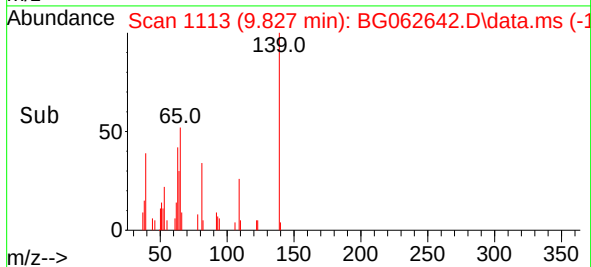
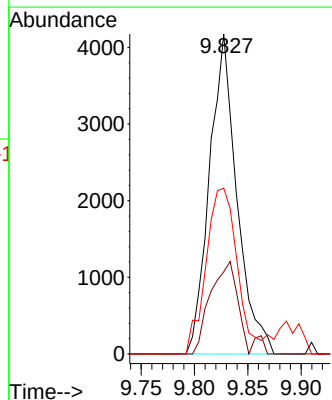
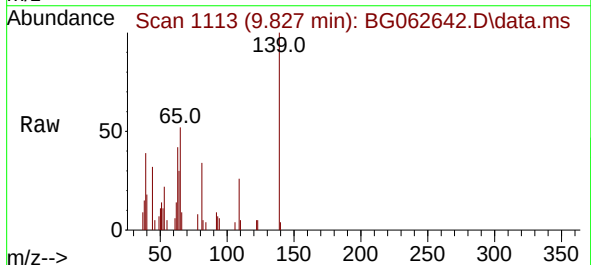
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2024

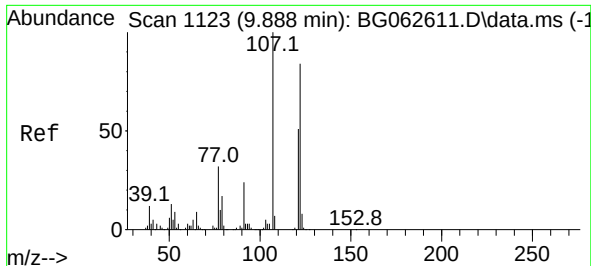
Tgt Ion: 82 Resp: 38405
Ion Ratio Lower Upper
82 100
95 8.0 5.4 8.0
138 21.9 12.6 18.8#



#26
2-Nitrophenol
Concen: 4.262 ng
RT: 9.827 min Scan# 1113
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:139 Resp: 7465
Ion Ratio Lower Upper
139 100
109 25.7 26.6 39.8#
65 51.8 46.5 69.7





#27

2,4-Dimethylphenol

Concen: 2.390 ng

RT: 9.886 min Scan# 1123

Delta R.T. -0.002 min

Lab File: BG062642.D

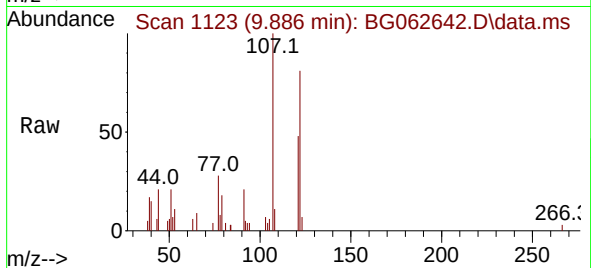
Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



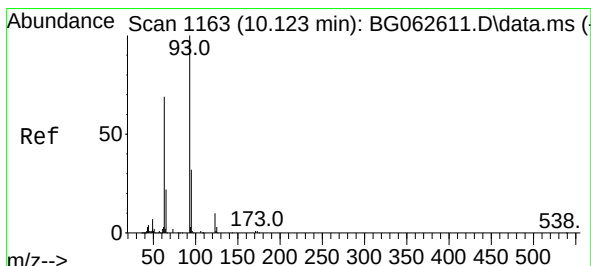
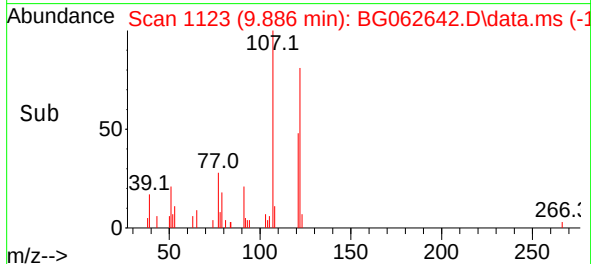
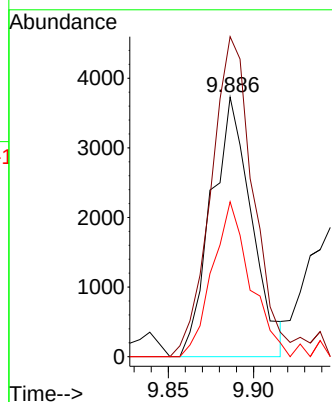
Tgt Ion:122 Resp: 6134

Ion Ratio Lower Upper

122 100

107 123.3 95.8 143.6

121 59.6 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 4.316 ng

RT: 10.121 min Scan# 1163

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

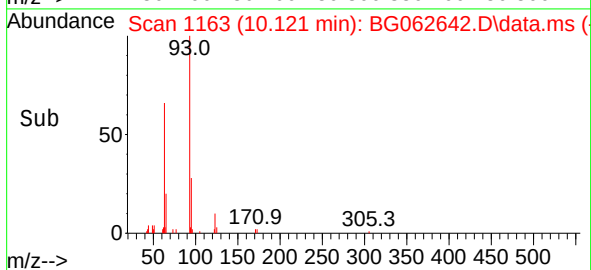
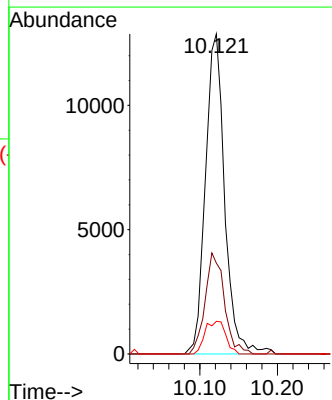
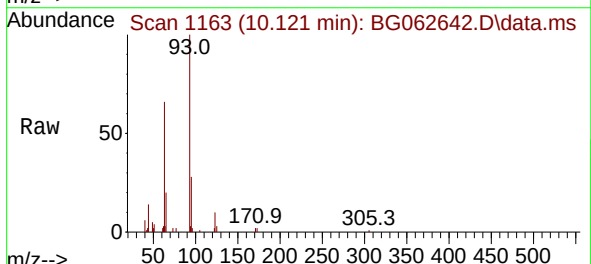
Tgt Ion: 93 Resp: 22113

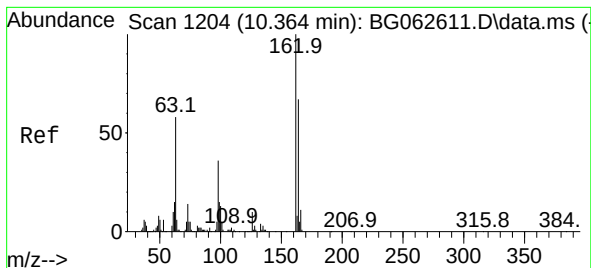
Ion Ratio Lower Upper

93 100

95 28.4 25.4 38.0

123 10.2 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 4.454 ng

RT: 10.362 min Scan# 1204

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

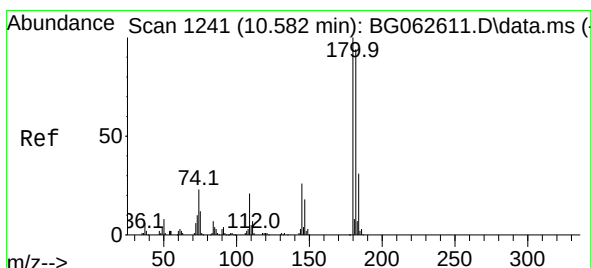
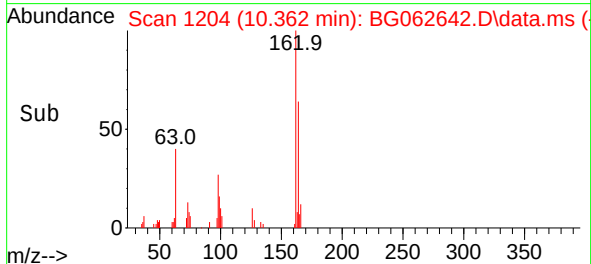
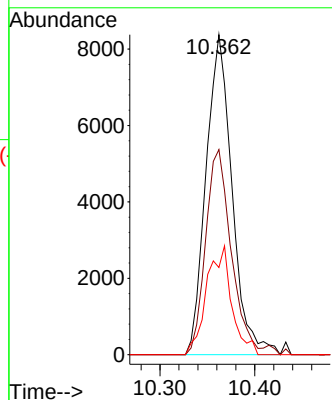
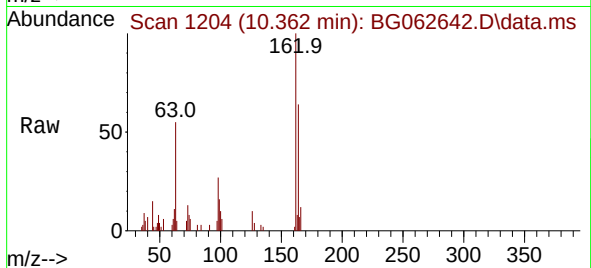
Tgt Ion:162 Resp: 15983

Ion Ratio Lower Upper

162 100

164 64.1 46.8 86.8

98 27.3 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 4.601 ng

RT: 10.579 min Scan# 1241

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

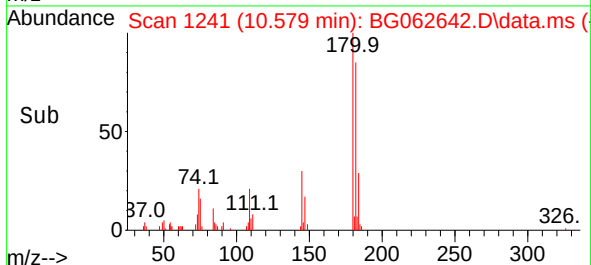
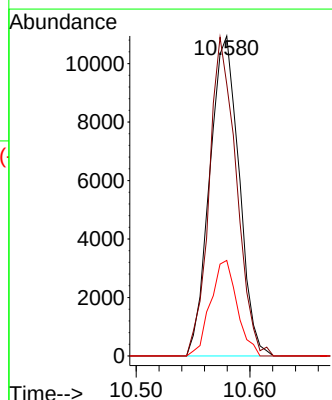
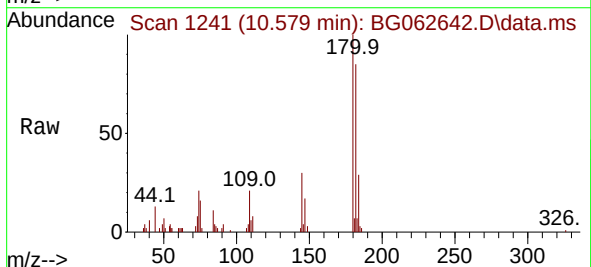
Tgt Ion:180 Resp: 19575

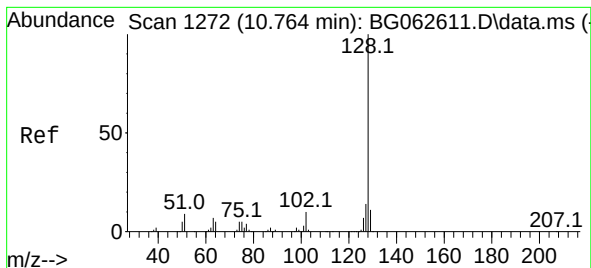
Ion Ratio Lower Upper

180 100

182 85.0 75.1 112.7

145 29.9 20.8 31.2





#31

Naphthalene

Concen: 4.400 ng

RT: 10.762 min Scan# 1272

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

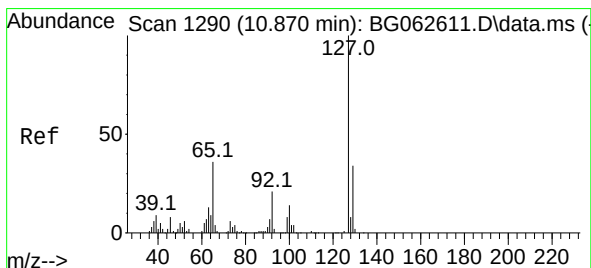
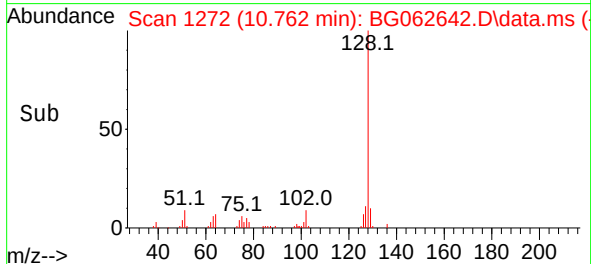
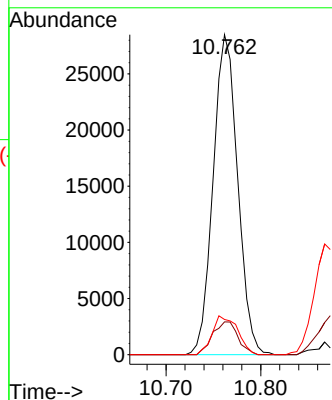
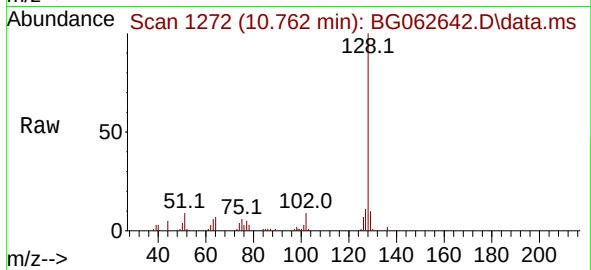
Tgt Ion:128 Resp: 51209

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

127 11.0 11.3 16.9#



#33

4-Chloroaniline

Concen: 4.358 ng

RT: 10.867 min Scan# 1290

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Tgt Ion:127 Resp: 19960

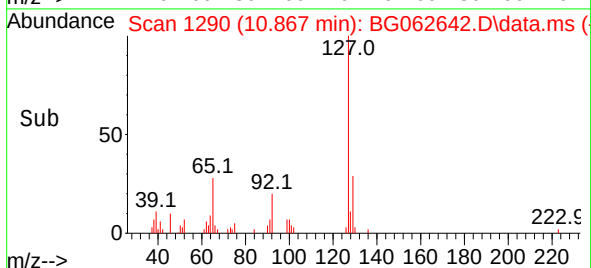
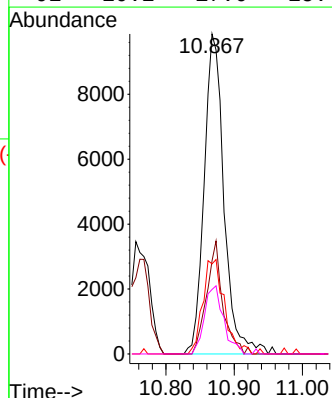
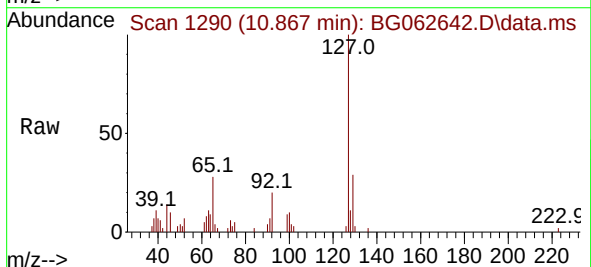
Ion Ratio Lower Upper

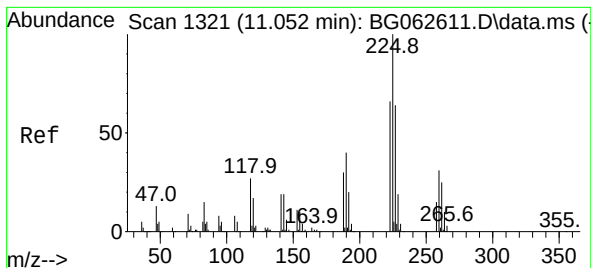
127 100

129 29.1 27.3 40.9

65 28.2 29.0 43.4#

92 20.2 17.0 25.4





#34

Hexachlorobutadiene

Concen: 4.374 ng

RT: 11.055 min Scan# 1417

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

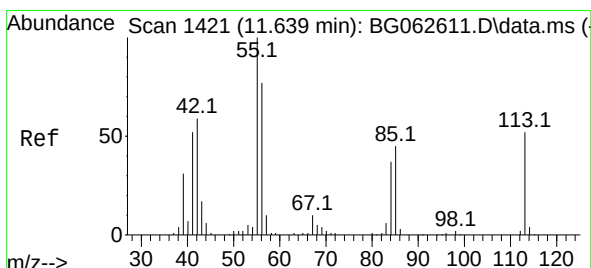
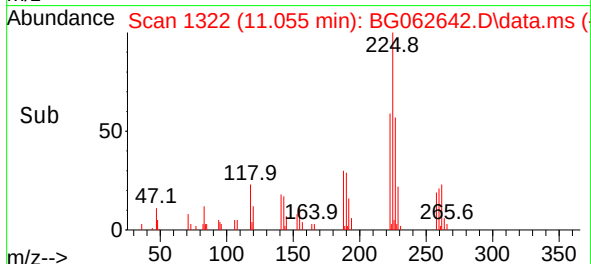
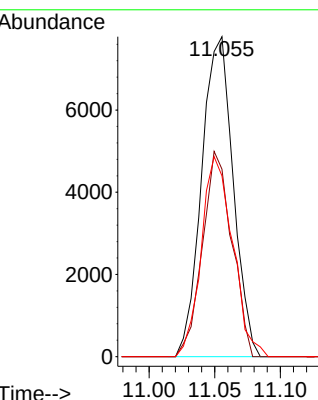
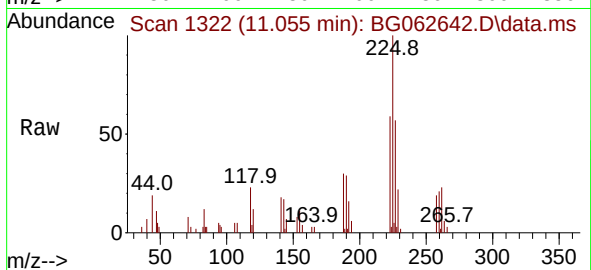
Tgt Ion:225 Resp: 12997

Ion Ratio Lower Upper

225 100

223 61.2 50.1 75.1

227 56.5 48.9 73.3



#35

Caprolactam

Concen: 4.260 ng

RT: 11.614 min Scan# 1417

Delta R.T. -0.026 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

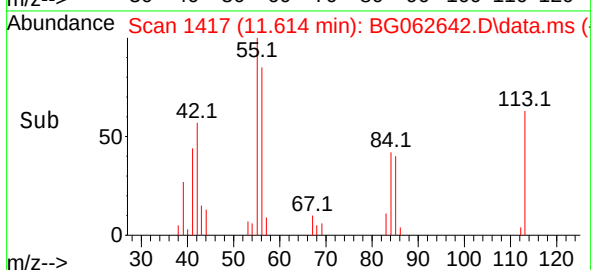
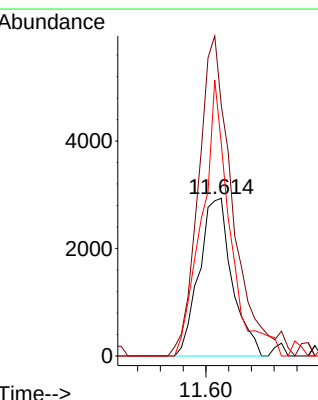
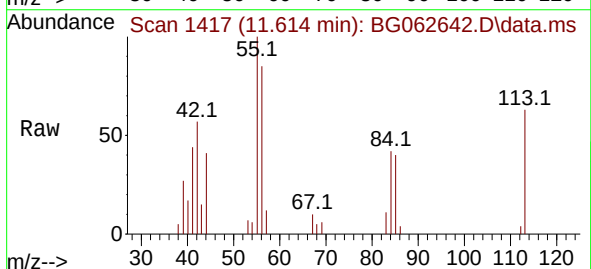
Tgt Ion:113 Resp: 5894

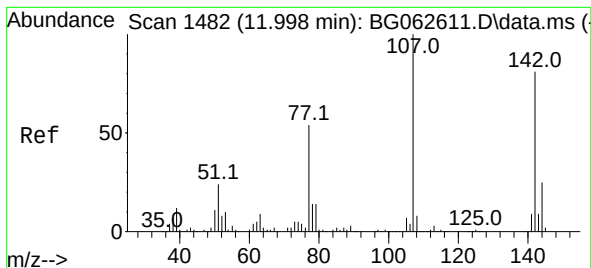
Ion Ratio Lower Upper

113 100

55 158.9 174.1 214.1#

56 134.6 129.8 169.8

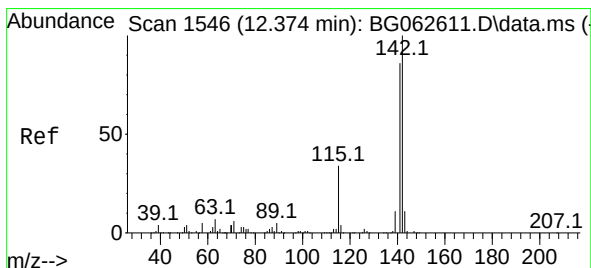
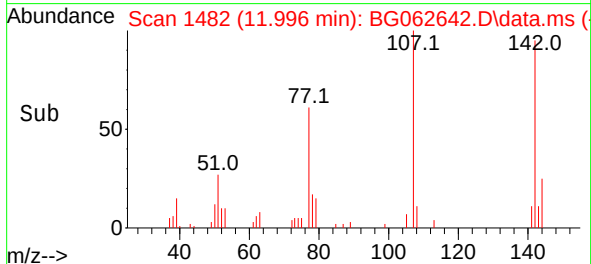
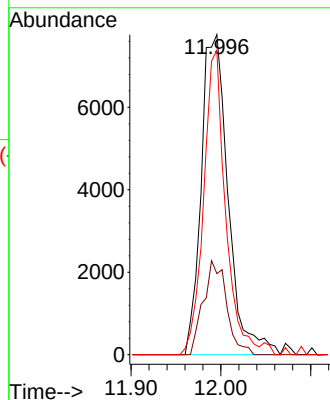
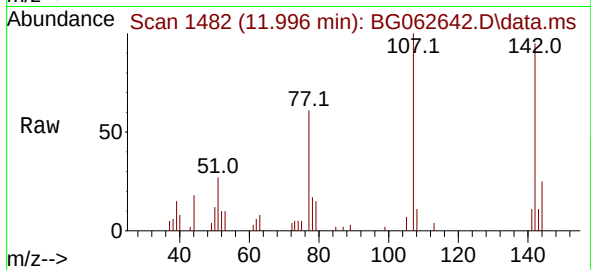




#36
4-Chloro-3-methylphenol
Concen: 3.734 ng
RT: 11.996 min Scan# 1482
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

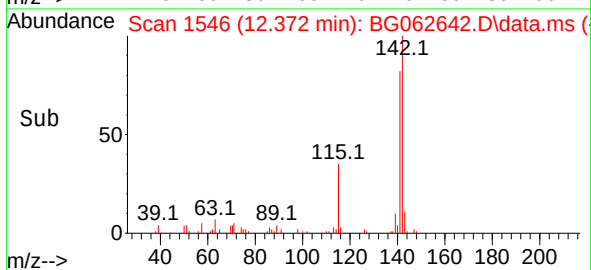
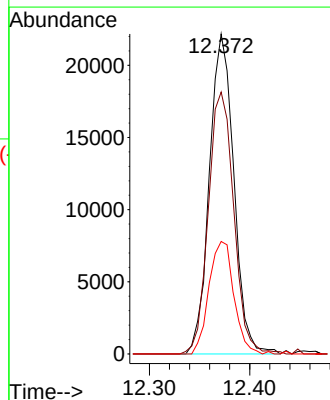
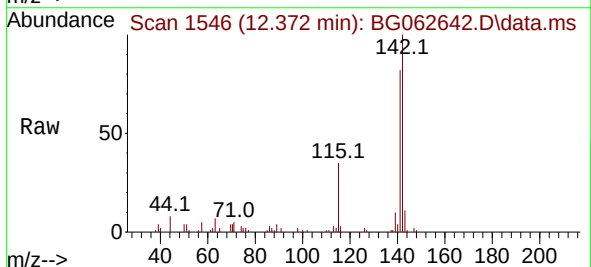
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

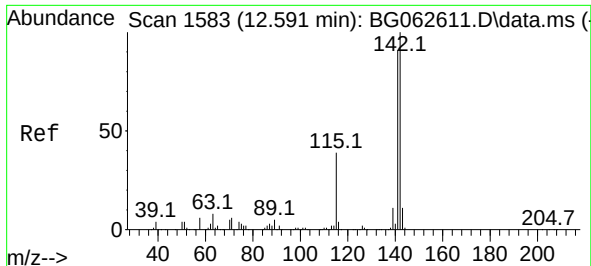
Tgt Ion:107 Resp: 16162
Ion Ratio Lower Upper
107 100
144 25.4 19.8 29.8
142 95.1 64.7 97.1



#37
2-Methylnaphthalene
Concen: 4.153 ng
RT: 12.372 min Scan# 1546
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:142 Resp: 37495
Ion Ratio Lower Upper
142 100
141 81.9 68.9 103.3
115 35.2 27.5 41.3





#38

1-Methylnaphthalene

Concen: 4.136 ng

RT: 12.372 min Scan# 1

Delta R.T. -0.220 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

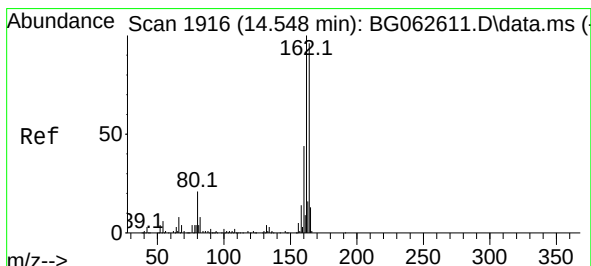
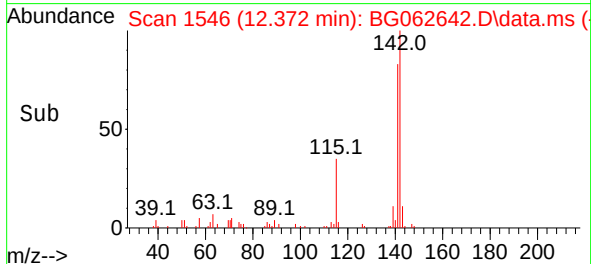
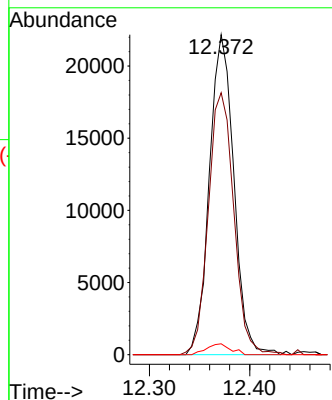
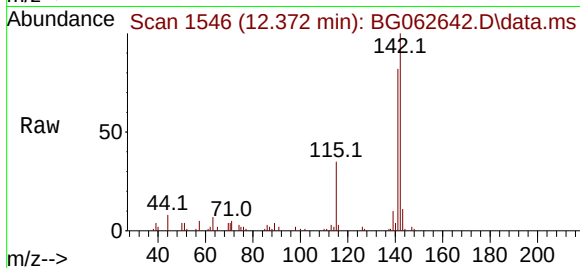
Tgt Ion:142 Resp: 37495

Ion Ratio Lower Upper

142 100

141 81.9 73.0 109.4

116 3.4 3.2 4.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1916

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

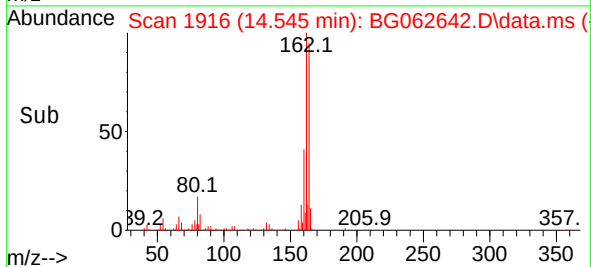
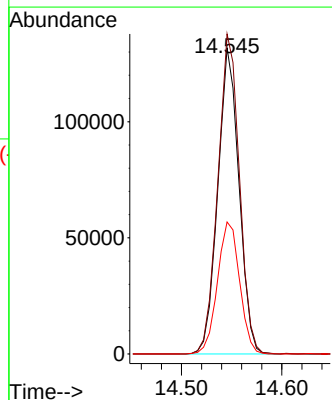
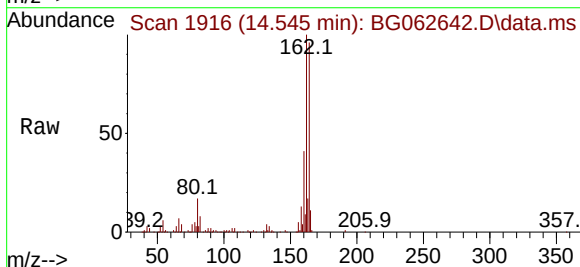
Tgt Ion:164 Resp: 192507

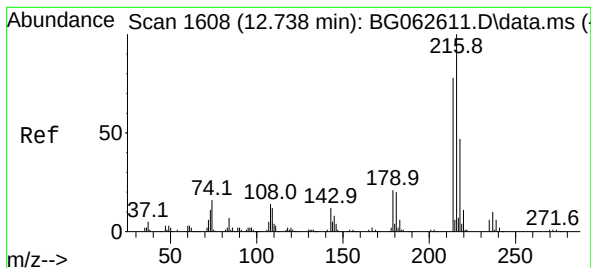
Ion Ratio Lower Upper

164 100

162 104.6 83.1 124.7

160 43.1 36.2 54.4





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.633 ng

RT: 12.742 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:216 Resp: 26821

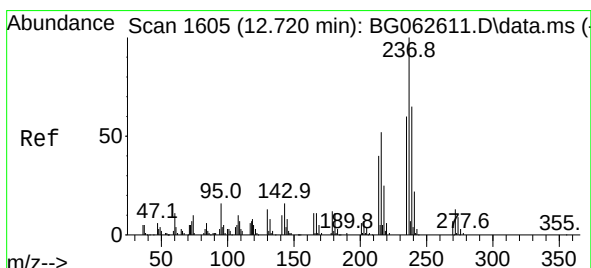
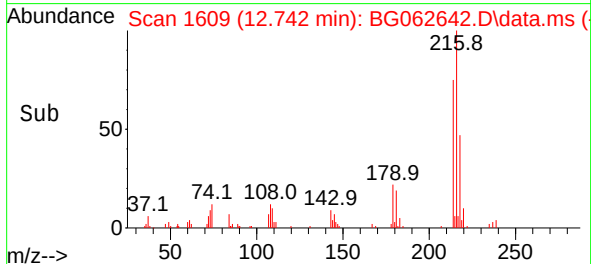
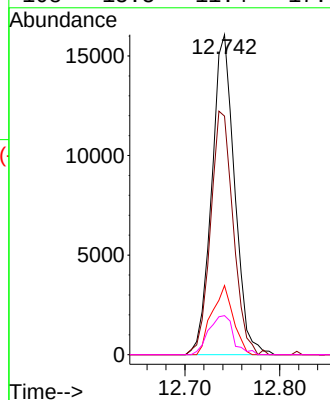
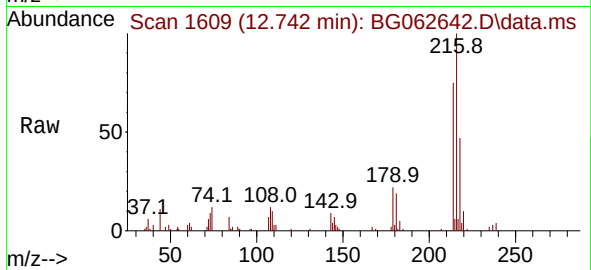
Ion Ratio Lower Upper

216 100

214 75.5 61.6 92.4

179 20.3 15.9 23.9

108 13.3 11.4 17.0



#41

Hexachlorocyclopentadiene

Concen: 2.717 ng

RT: 12.724 min Scan# 1606

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

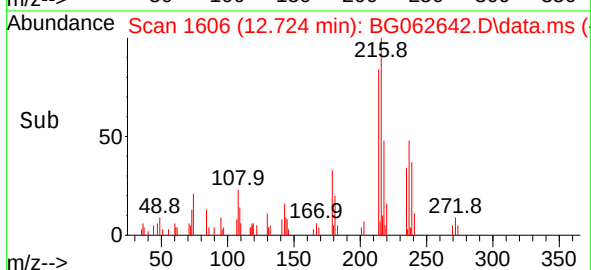
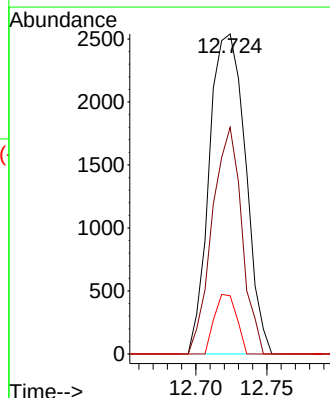
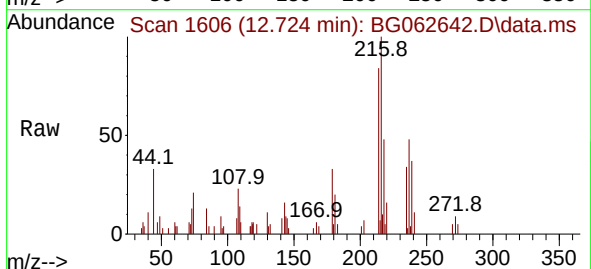
Tgt Ion:237 Resp: 4488

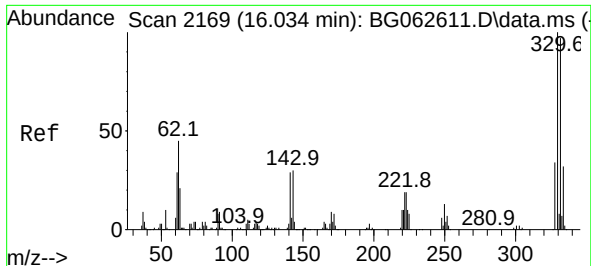
Ion Ratio Lower Upper

237 100

235 70.8 40.4 80.4

272 18.2 0.0 32.7





#42

2,4,6-Tribromophenol

Concen: 108.460 ng

RT: 16.038 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG062642.D

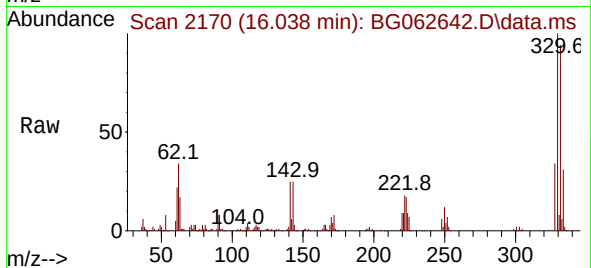
Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



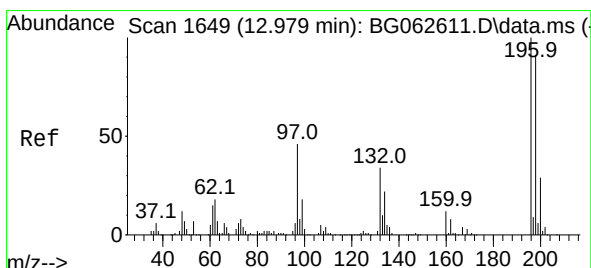
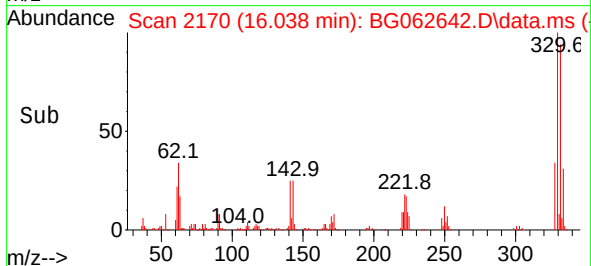
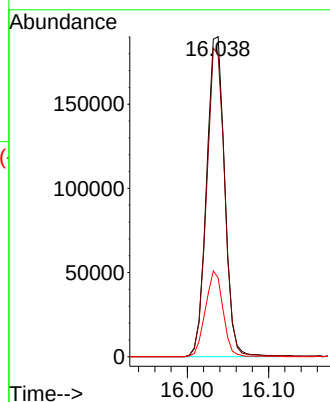
Tgt Ion:330 Resp: 293838

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

141 26.2 22.2 33.4



#43

2,4,6-Trichlorophenol

Concen: 4.069 ng

RT: 12.977 min Scan# 1649

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

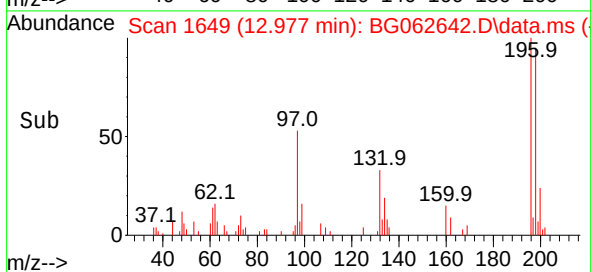
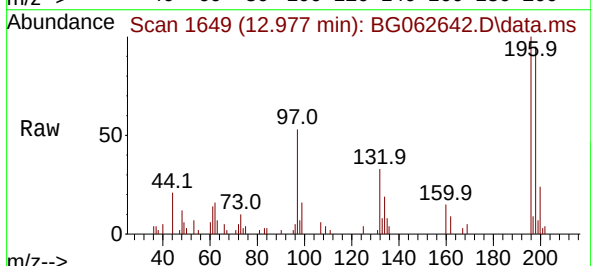
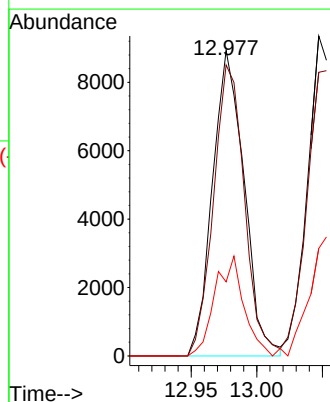
Tgt Ion:196 Resp: 14933

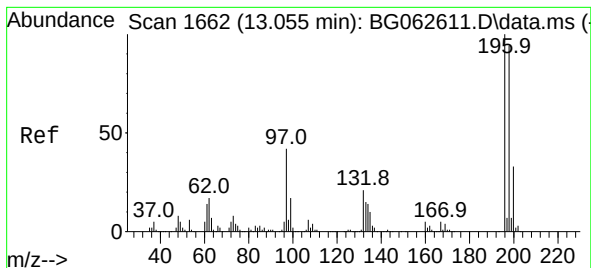
Ion Ratio Lower Upper

196 100

198 95.3 72.8 109.2

200 24.3 23.5 35.3





#44

2,4,5-Trichlorophenol

Concen: 4.127 ng

RT: 13.047 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:196 Resp: 17153

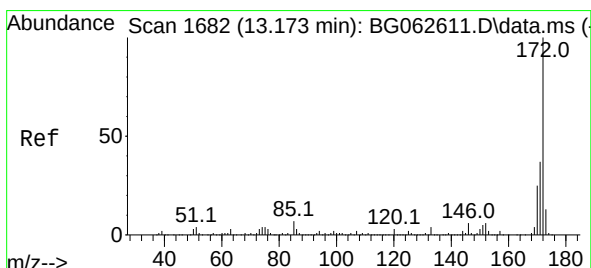
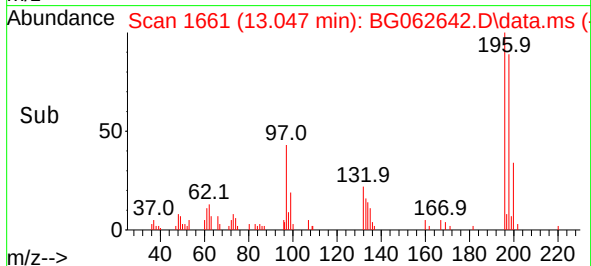
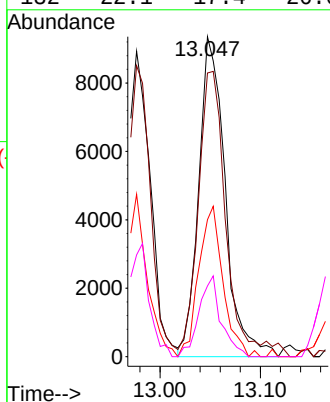
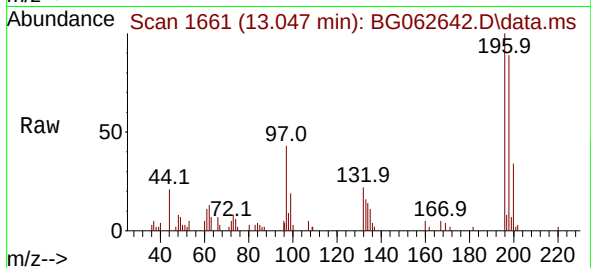
Ion Ratio Lower Upper

196 100

198 88.7 75.5 113.3

97 42.8 34.1 51.1

132 22.1 17.4 26.0



#45

2-Fluorobiphenyl

Concen: 74.976 ng

RT: 13.171 min Scan# 1682

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

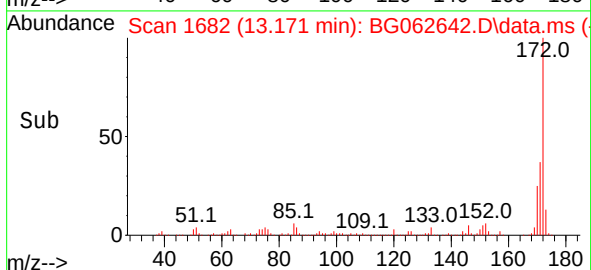
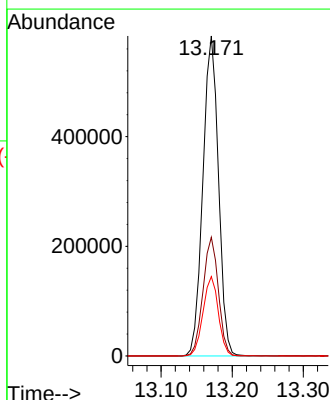
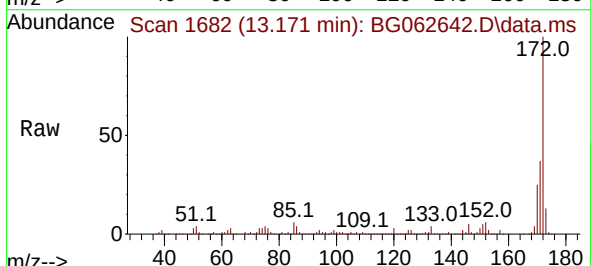
Tgt Ion:172 Resp: 891063

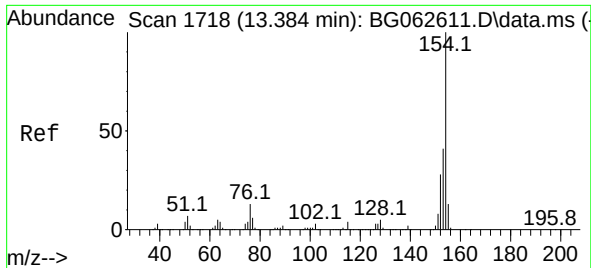
Ion Ratio Lower Upper

172 100

171 37.1 29.7 44.5

170 24.8 20.0 30.0

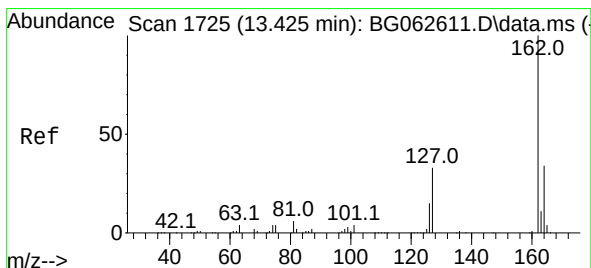
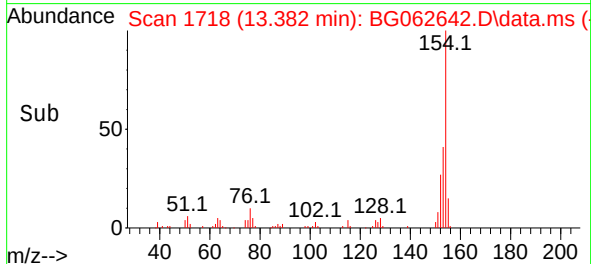
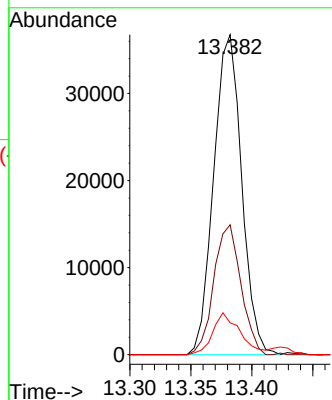
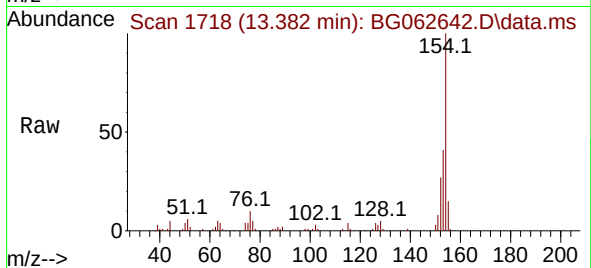




#46
1,1'-Biphenyl
Concen: 4.566 ng
RT: 13.382 min Scan# 1718
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

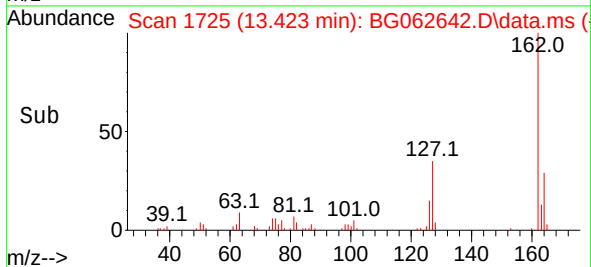
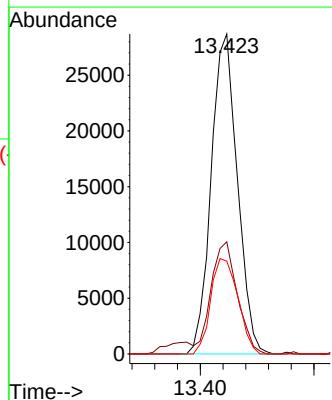
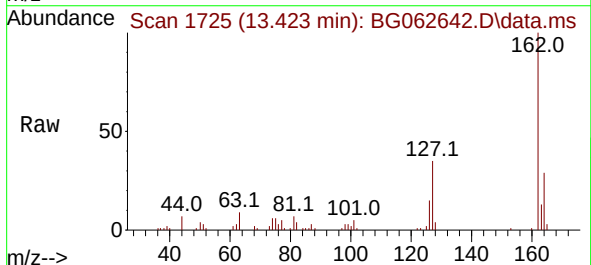
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

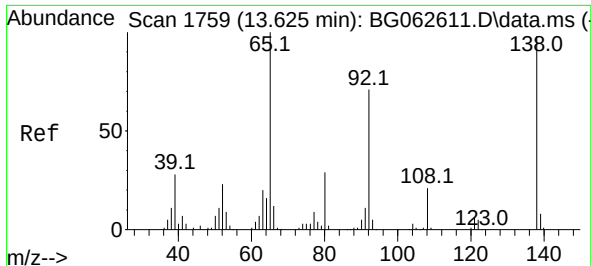
Tgt Ion:154 Resp: 58637
Ion Ratio Lower Upper
154 100
153 40.6 20.8 60.8
76 10.0 0.0 33.4



#47
2-Chloronaphthalene
Concen: 4.409 ng
RT: 13.423 min Scan# 1725
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:162 Resp: 45895
Ion Ratio Lower Upper
162 100
127 35.1 28.7 43.1
164 29.0 26.9 40.3





#48

2-Nitroaniline

Concen: 4.157 ng

RT: 13.617 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG062642.D

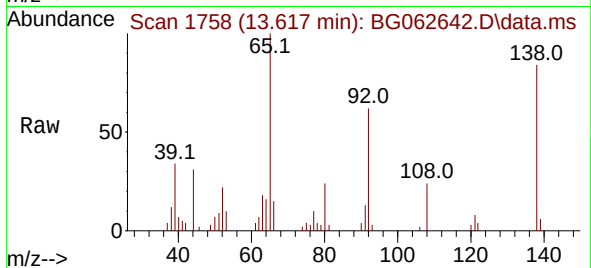
Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



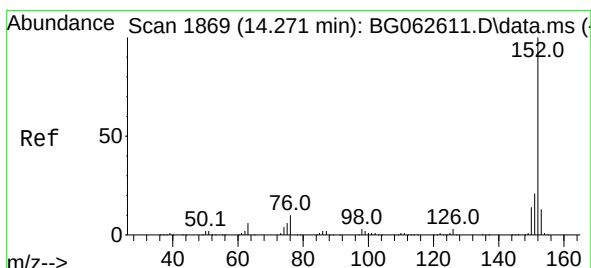
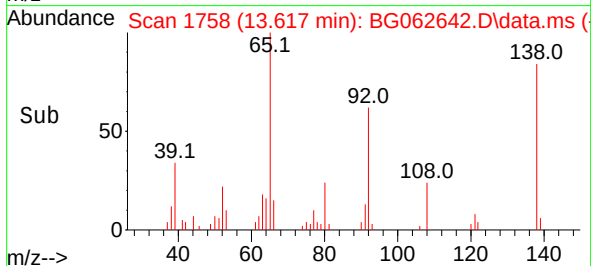
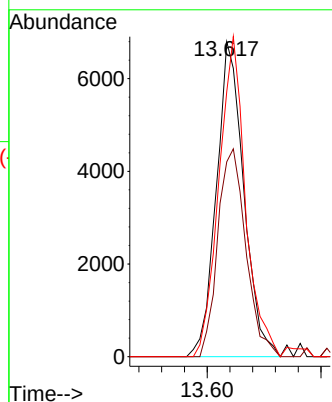
Tgt Ion: 65 Resp: 11379

Ion Ratio Lower Upper

65 100

92 61.9 56.6 84.8

138 84.2 78.7 118.1



#49

Acenaphthylene

Concen: 4.787 ng

RT: 14.269 min Scan# 1869

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

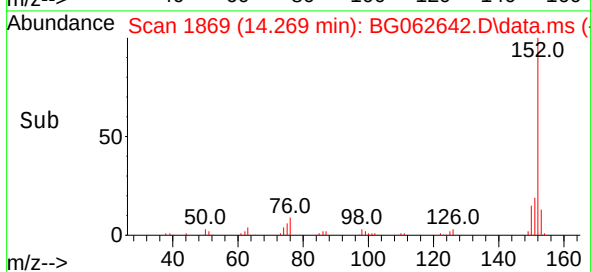
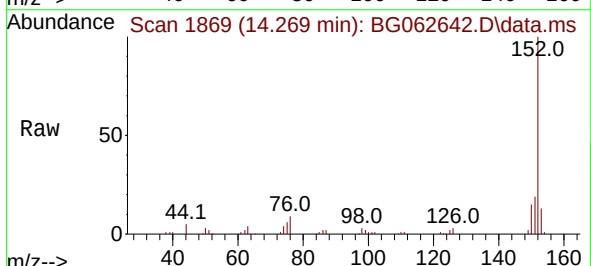
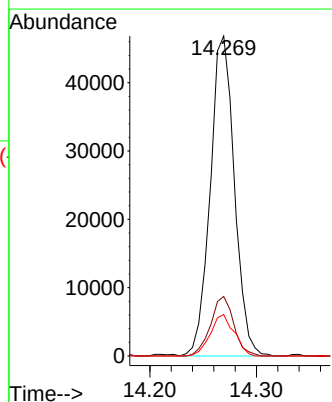
Tgt Ion: 152 Resp: 73793

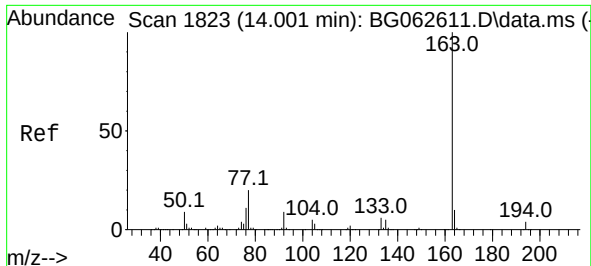
Ion Ratio Lower Upper

152 100

151 18.6 16.6 24.8

153 13.0 10.2 15.4

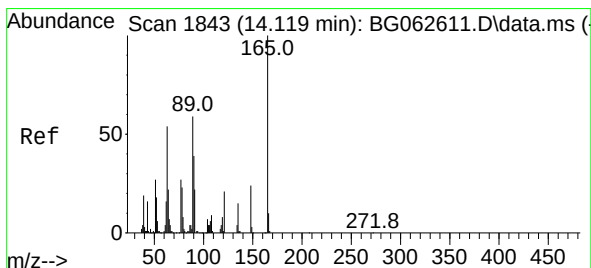
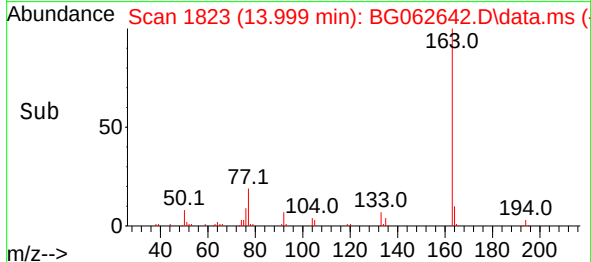
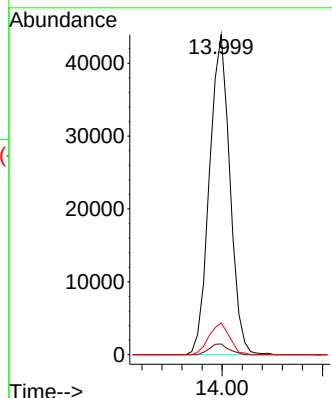
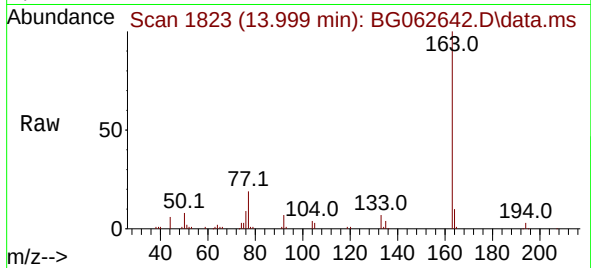




#50
Dimethylphthalate
Concen: 4.421 ng
RT: 13.999 min Scan# 1823
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

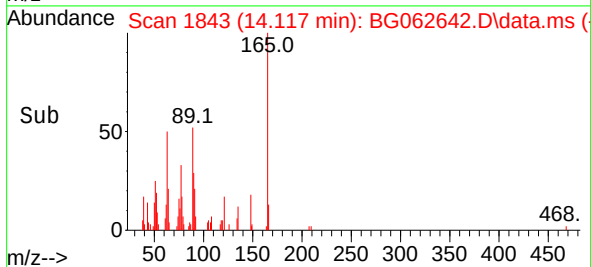
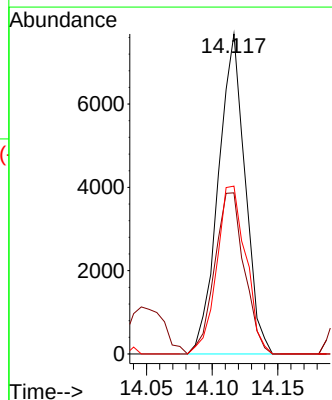
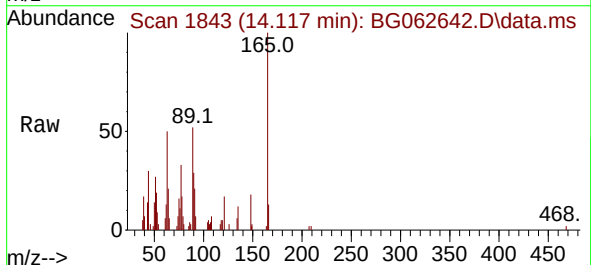
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

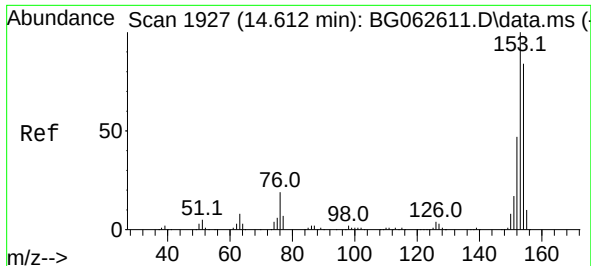
Tgt Ion:163 Resp: 62231
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 9.9 8.3 12.5



#51
2,6-Dinitrotoluene
Concen: 4.093 ng
RT: 14.117 min Scan# 1843
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:165 Resp: 10898
Ion Ratio Lower Upper
165 100
63 50.3 46.6 69.8
89 52.5 47.2 70.8





#52

Acenaphthene

Concen: 4.292 ng

RT: 14.610 min Scan# 1927

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

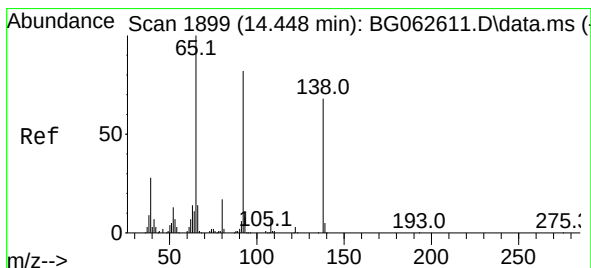
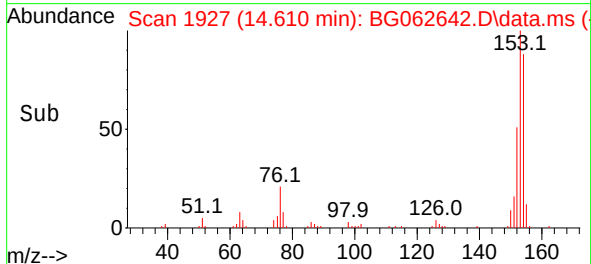
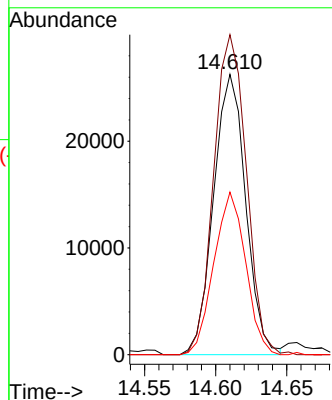
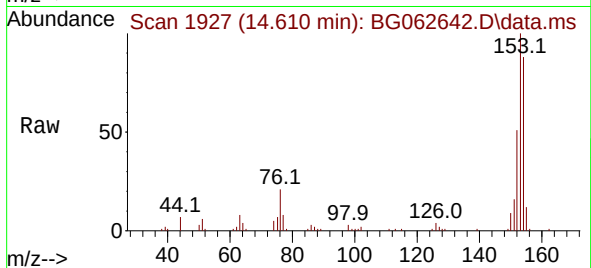
Tgt Ion:154 Resp: 41358

Ion Ratio Lower Upper

154 100

153 114.1 95.0 142.4

152 58.0 45.0 67.6



#53

3-Nitroaniline

Concen: 4.340 ng

RT: 14.446 min Scan# 1899

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

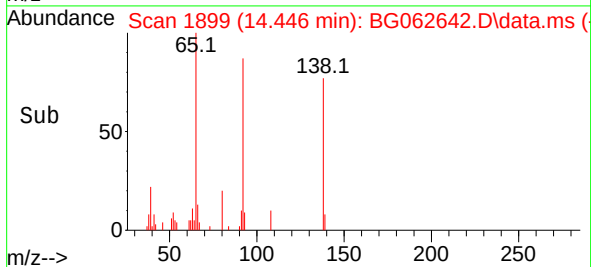
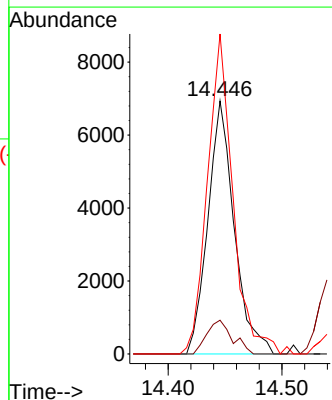
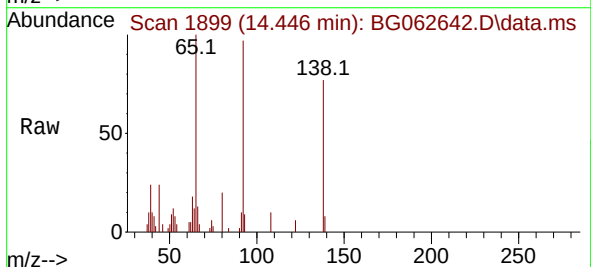
Tgt Ion:138 Resp: 11182

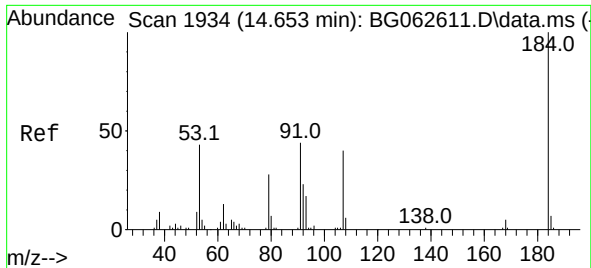
Ion Ratio Lower Upper

138 100

108 13.3 8.6 13.0#

92 126.5 95.7 143.5

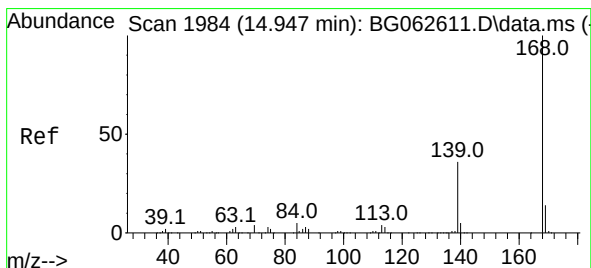
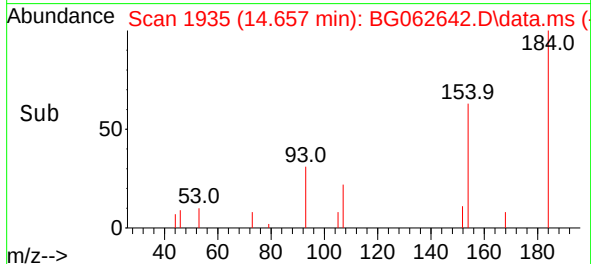
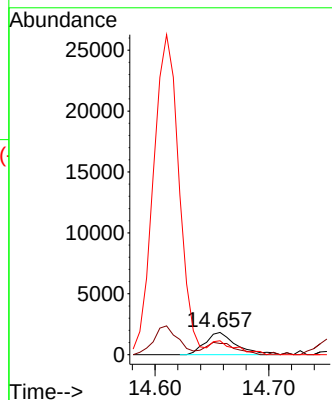
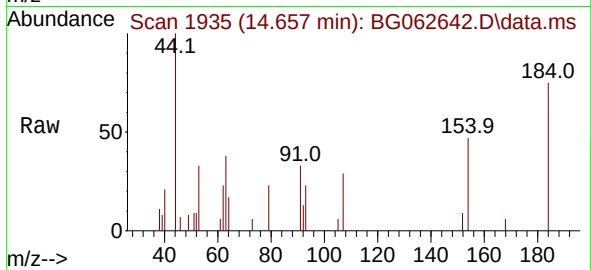




#54
2,4-Dinitrophenol
Concen: 2.287 ng
RT: 14.657 min Scan# 1935
Delta R.T. 0.004 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

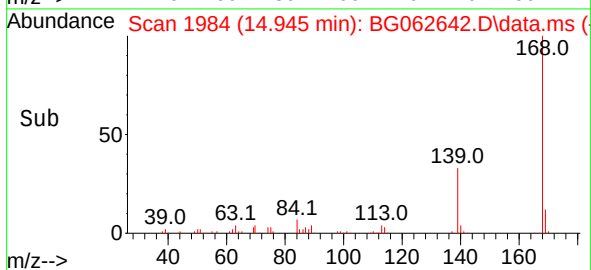
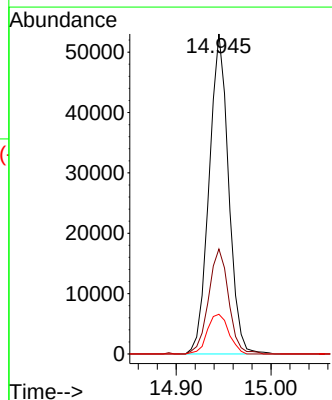
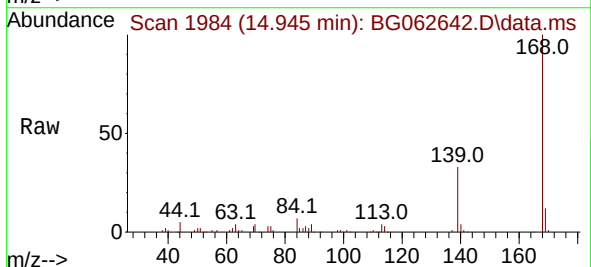
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

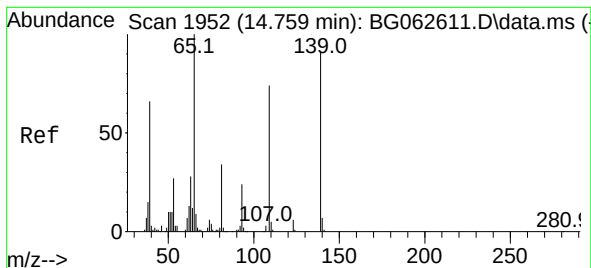
Tgt Ion:184 Resp: 3417
Ion Ratio Lower Upper
184 100
63 50.4 49.0 73.4
154 62.7 50.5 75.7



#55
Dibenzofuran
Concen: 4.587 ng
RT: 14.945 min Scan# 1984
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:168 Resp: 75796
Ion Ratio Lower Upper
168 100
139 32.8 28.6 42.8
169 12.4 11.0 16.6

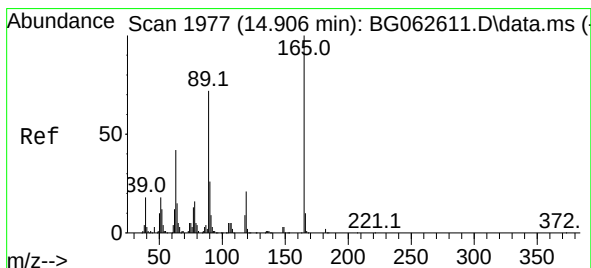
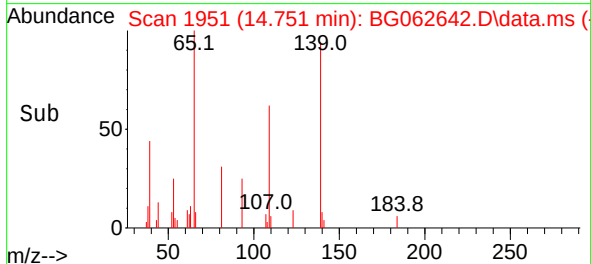
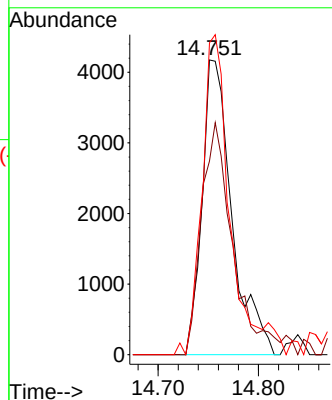
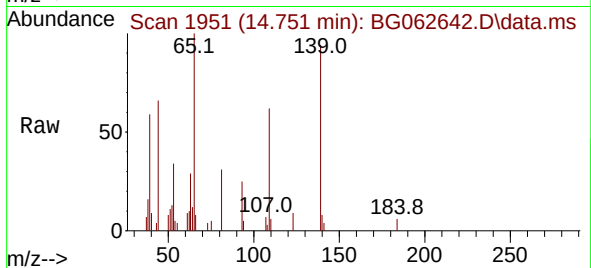




#56
4-Nitrophenol
Concen: 3.949 ng
RT: 14.751 min Scan# 1951
Delta R.T. -0.008 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

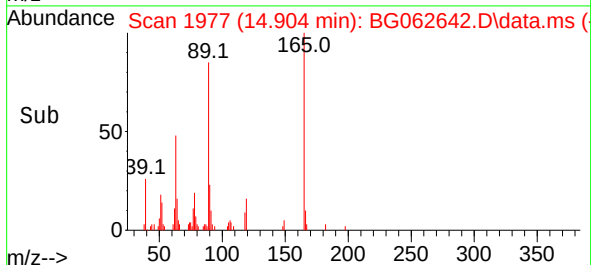
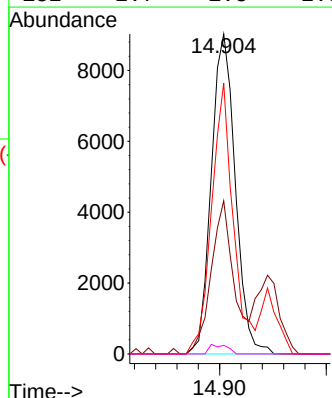
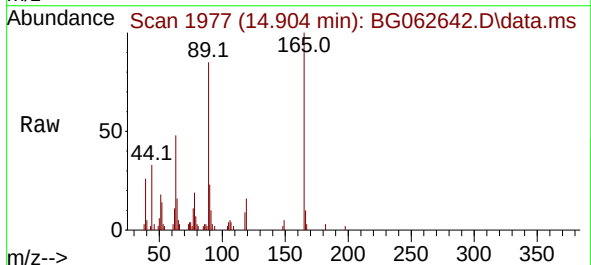
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

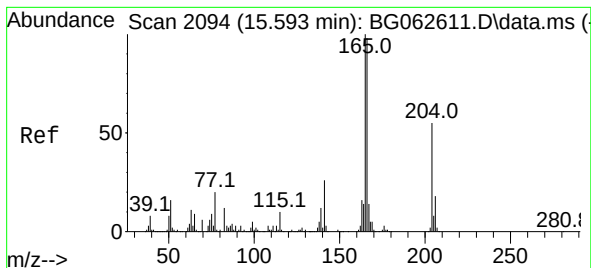
Tgt Ion:139 Resp: 8623
Ion Ratio Lower Upper
139 100
109 65.7 61.2 101.2
65 105.8 90.2 130.2



#57
2,4-Dinitrotoluene
Concen: 3.872 ng
RT: 14.904 min Scan# 1977
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:165 Resp: 14065
Ion Ratio Lower Upper
165 100
63 47.8 33.8 50.6
89 84.6 57.9 86.9
182 2.7 1.8 2.8





#58

Fluorene

Concen: 4.407 ng

RT: 15.591 min Scan# 2094

Delta R.T. -0.002 min

Lab File: BG062642.D

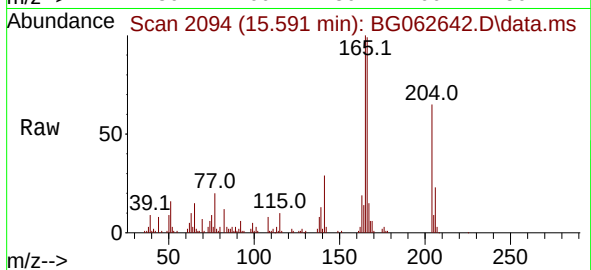
Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



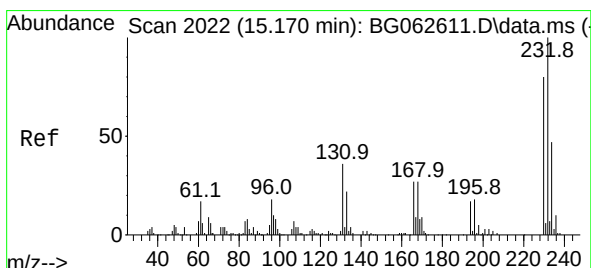
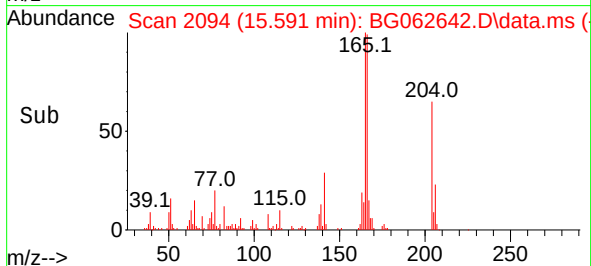
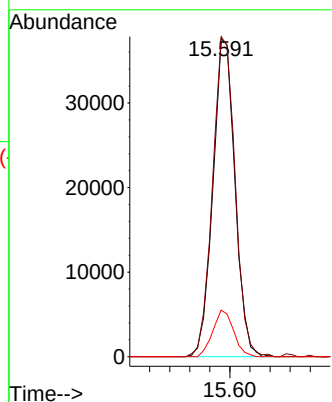
Tgt Ion:166 Resp: 57150

Ion Ratio Lower Upper

166 100

165 100.6 82.0 123.0

167 14.6 11.3 16.9



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.405 ng

RT: 15.174 min Scan# 2023

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Tgt Ion:232 Resp: 17345

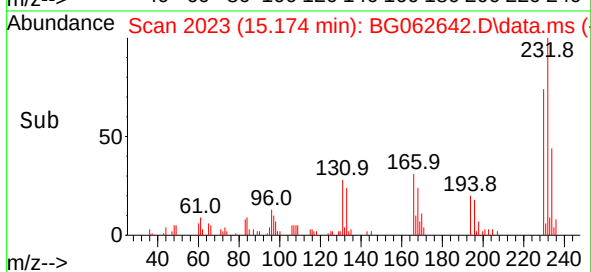
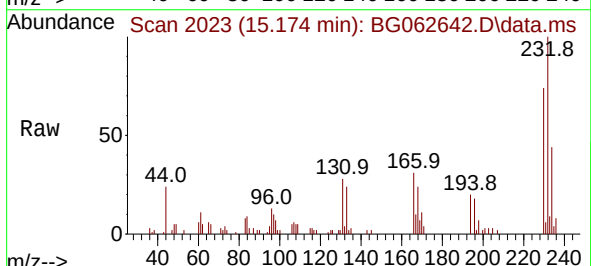
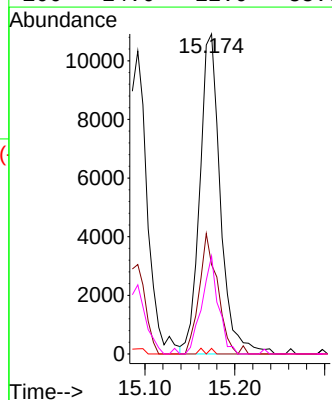
Ion Ratio Lower Upper

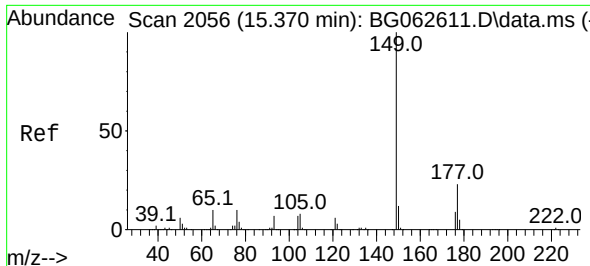
232 100

131 33.2 28.3 42.5

130 0.8 1.7 2.5#

166 24.6 22.0 33.0

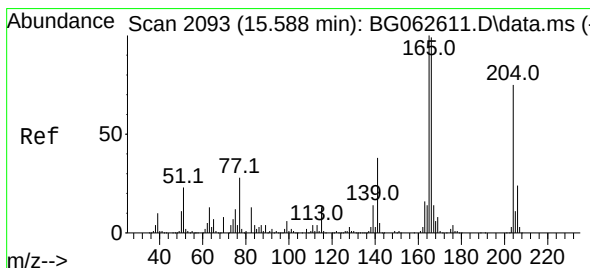
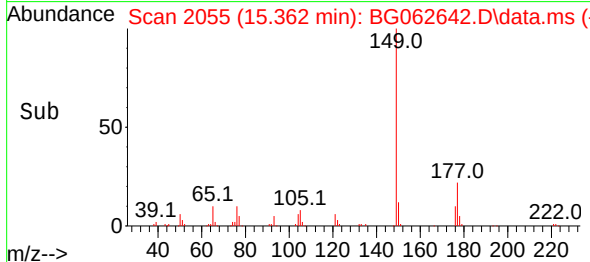
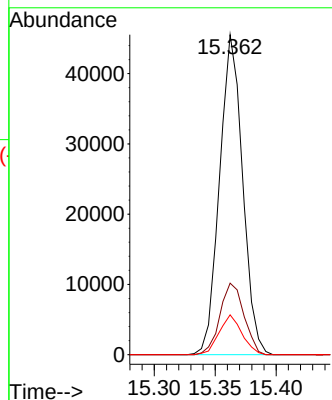
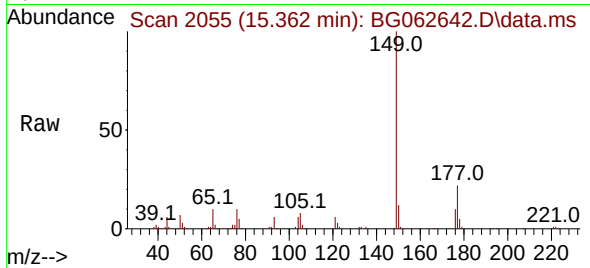




#60
Diethylphthalate
Concen: 4.297 ng
RT: 15.362 min Scan# 2055
Delta R.T. -0.008 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

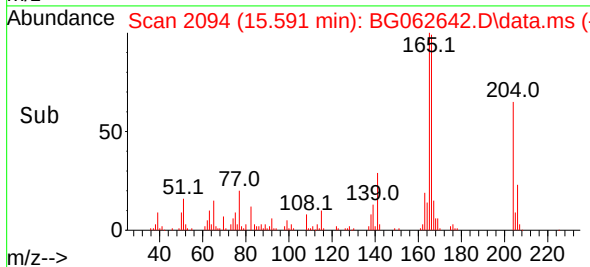
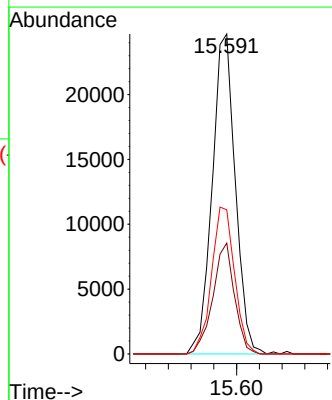
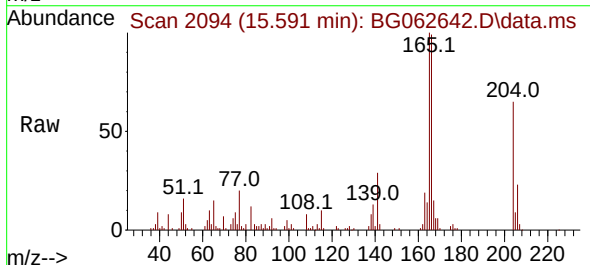
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

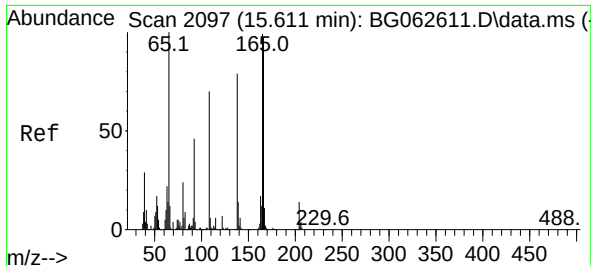
Tgt Ion:149 Resp: 59949
Ion Ratio Lower Upper
149 100
177 22.4 18.0 27.0
150 12.5 9.8 14.8



#61
4-Chlorophenyl-phenylether
Concen: 4.675 ng
RT: 15.591 min Scan# 2094
Delta R.T. 0.004 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:204 Resp: 34808
Ion Ratio Lower Upper
204 100
206 34.7 25.9 38.9
141 45.0 41.0 61.6





#62

4-Nitroaniline

Concen: 3.959 ng

RT: 15.603 min Scan# 2097

Delta R.T. -0.008 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

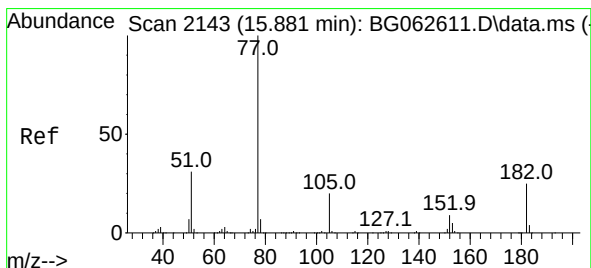
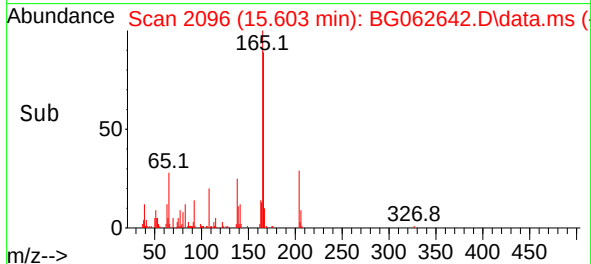
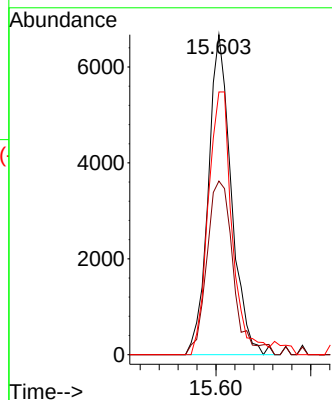
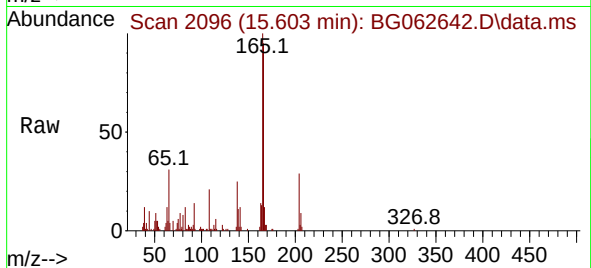
Tgt Ion:138 Resp: 11247

Ion Ratio Lower Upper

138 100

92 54.3 38.4 78.4

108 82.1 69.0 109.0



#63

Azobenzene

Concen: 4.186 ng

RT: 15.879 min Scan# 2143

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Tgt Ion: 77 Resp: 54838

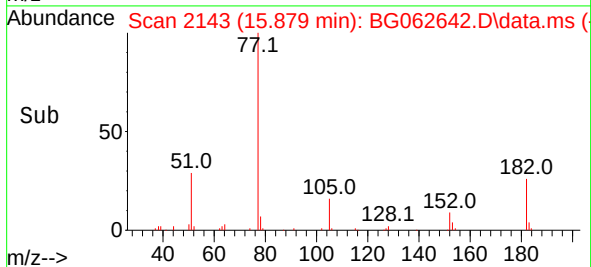
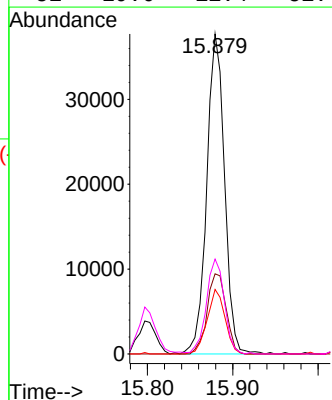
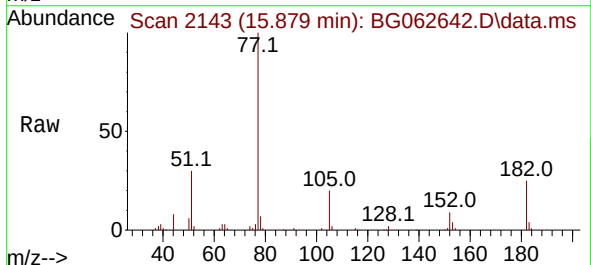
Ion Ratio Lower Upper

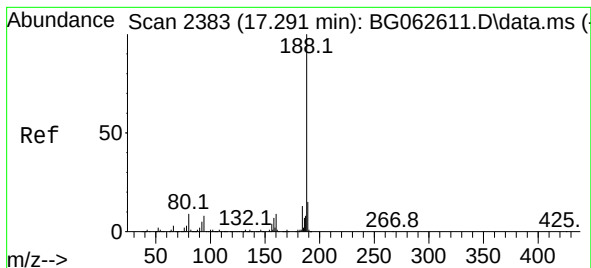
77 100

182 25.1 5.0 45.0

105 20.2 0.5 40.5

51 29.6 11.4 51.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.289 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

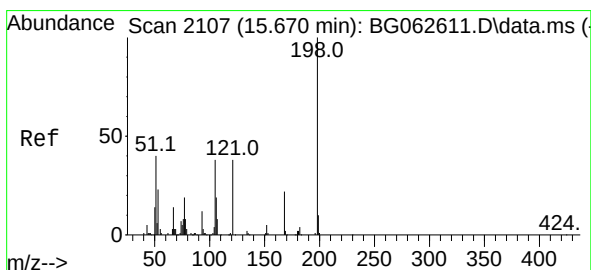
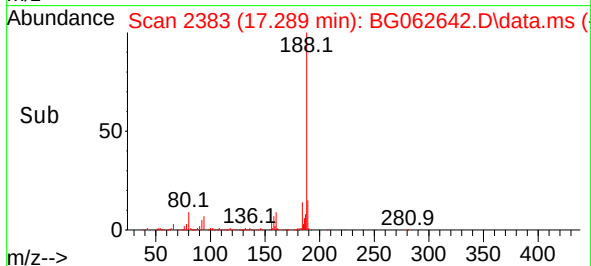
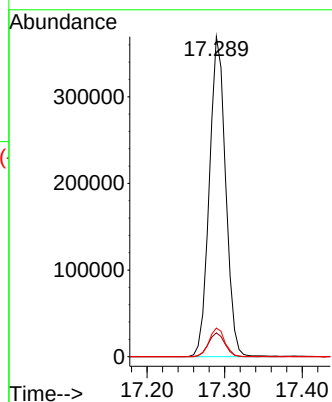
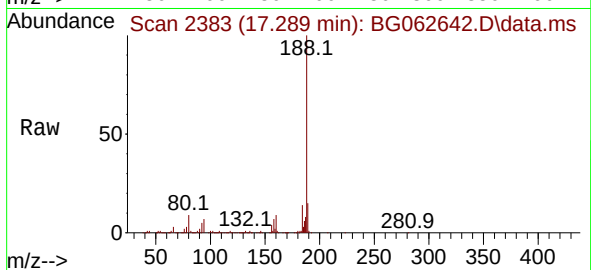
Tgt Ion:188 Resp: 539399

Ion Ratio Lower Upper

188 100

94 7.4 6.3 9.5

80 8.9 7.0 10.4



#65

4,6-Dinitro-2-methylphenol

Concen: 3.279 ng

RT: 15.668 min Scan# 2107

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

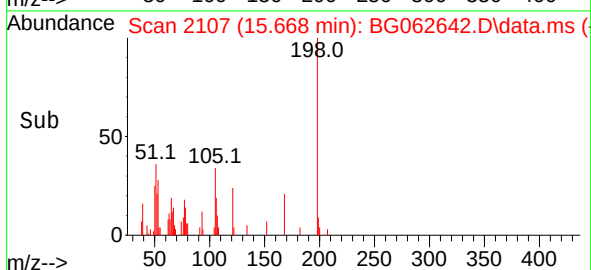
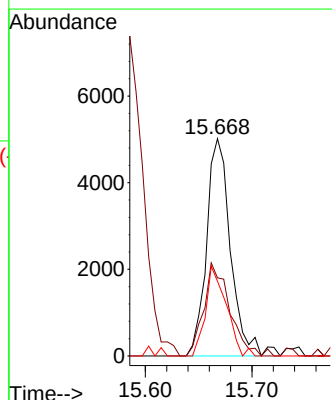
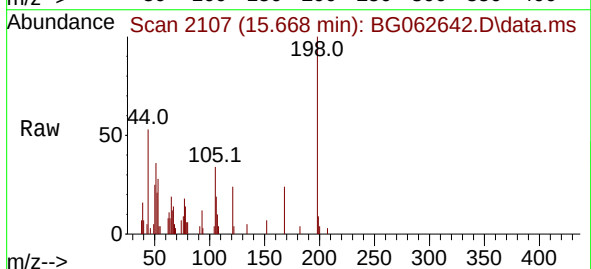
Tgt Ion:198 Resp: 7893

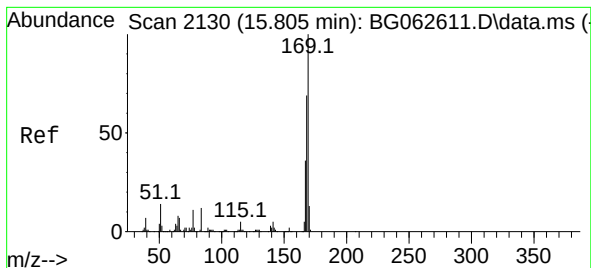
Ion Ratio Lower Upper

198 100

51 35.9 25.1 65.1

105 34.3 18.3 58.3





#66

n-Nitrosodiphenylamine

Concen: 4.048 ng

RT: 15.797 min Scan# 2130

Delta R.T. -0.008 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

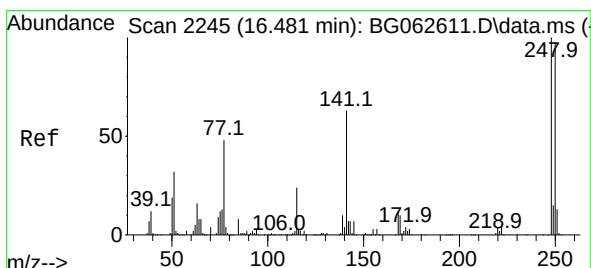
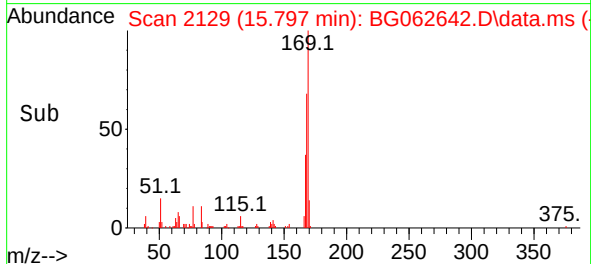
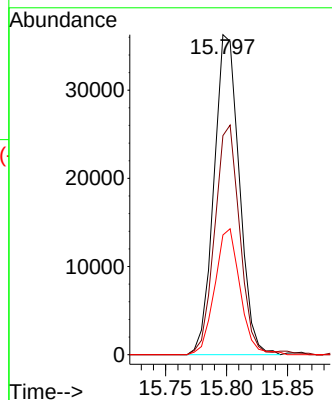
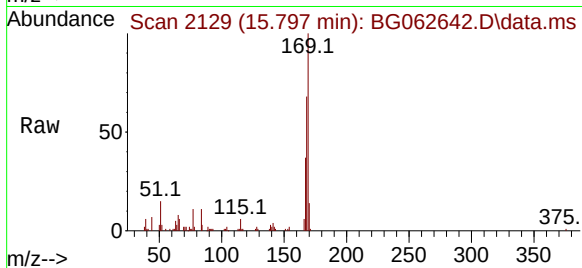
Tgt Ion:169 Resp: 52492

Ion Ratio Lower Upper

169 100

168 68.4 55.4 83.2

167 37.4 29.0 43.6



#67

4-Bromophenyl-phenylether

Concen: 4.227 ng

RT: 16.478 min Scan# 2245

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

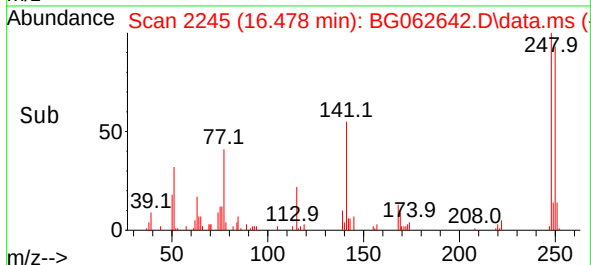
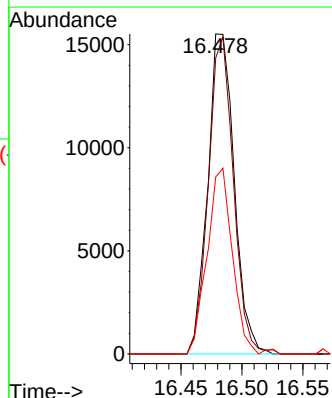
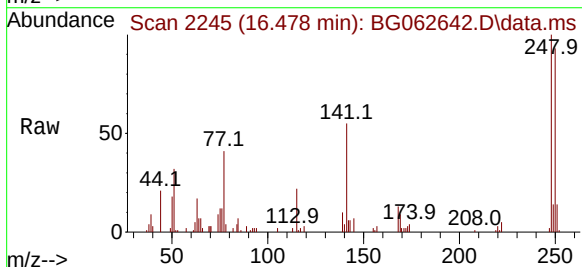
Tgt Ion:248 Resp: 23533

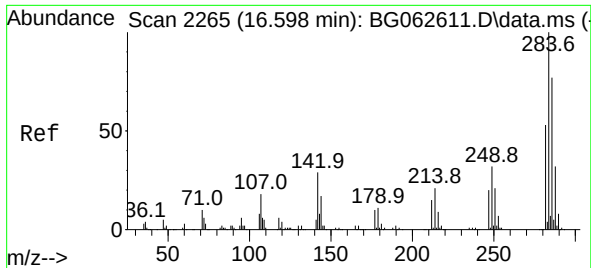
Ion Ratio Lower Upper

248 100

250 92.5 77.9 116.9

141 55.3 50.2 75.2

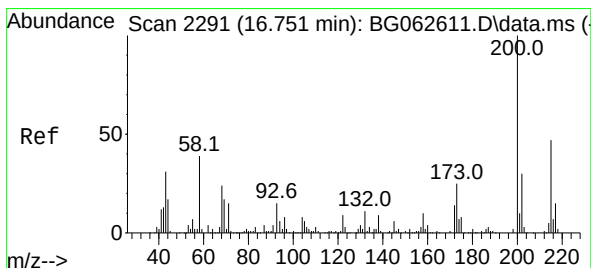
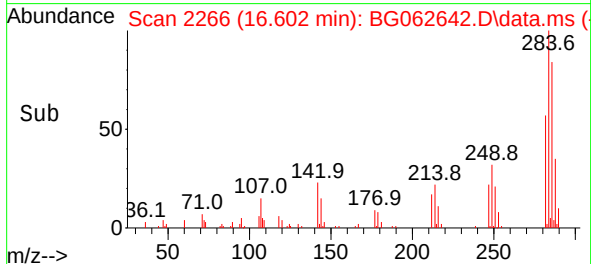
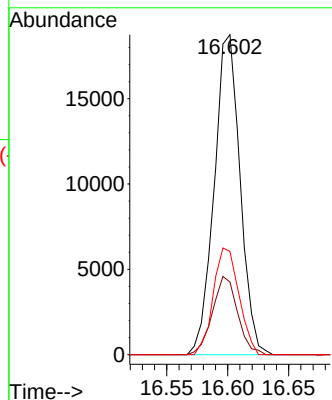
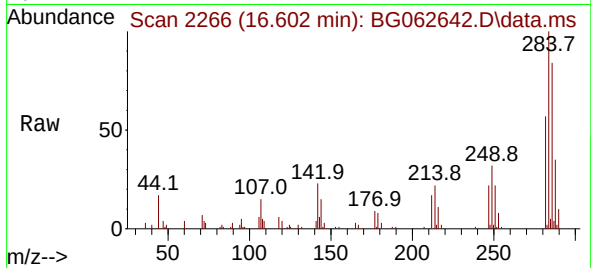




#68
Hexachlorobenzene
Concen: 4.203 ng
RT: 16.602 min Scan# 2266
Delta R.T. 0.004 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

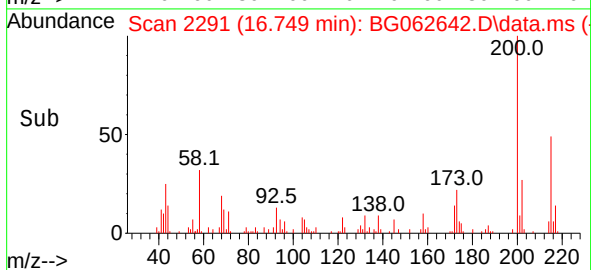
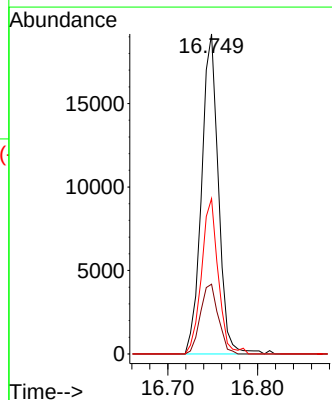
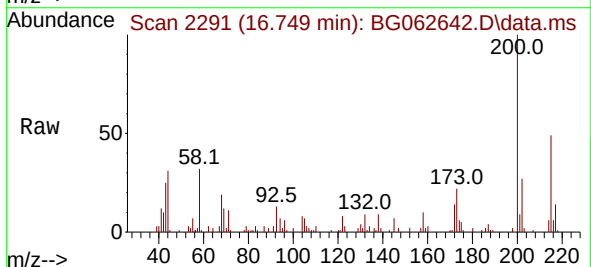
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

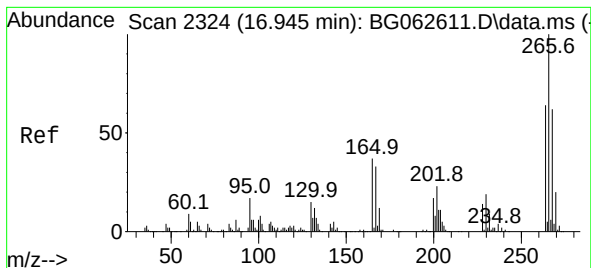
Tgt Ion:284 Resp: 27708
Ion Ratio Lower Upper
284 100
142 22.7 23.5 35.3#
249 32.2 25.4 38.0



#69
Atrazine
Concen: 5.666 ng
RT: 16.749 min Scan# 2291
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:200 Resp: 24956
Ion Ratio Lower Upper
200 100
173 21.8 5.2 45.2
215 48.6 27.3 67.3





#70

Pentachlorophenol

Concen: 2.775 ng

RT: 16.943 min Scan# 2324

Delta R.T. -0.002 min

Lab File: BG062642.D

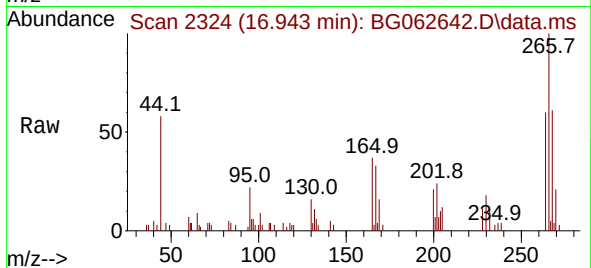
Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024



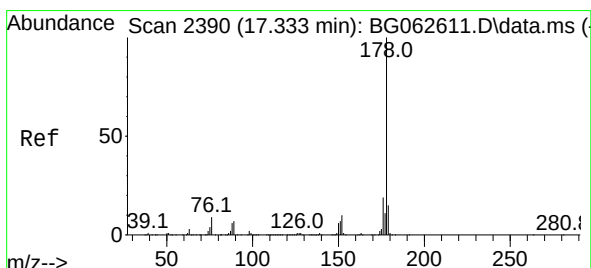
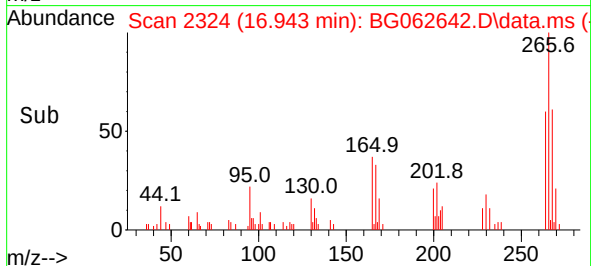
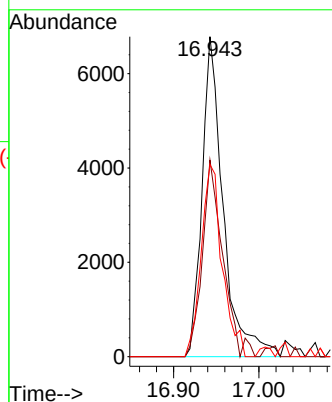
Tgt Ion:266 Resp: 11718

Ion Ratio Lower Upper

266 100

268 65.9 52.6 79.0

264 60.1 51.6 77.4



#71

Phenanthrene

Concen: 4.662 ng

RT: 17.330 min Scan# 2390

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

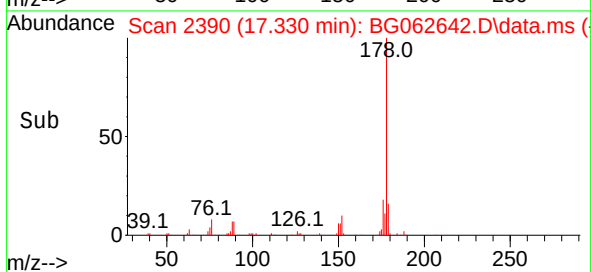
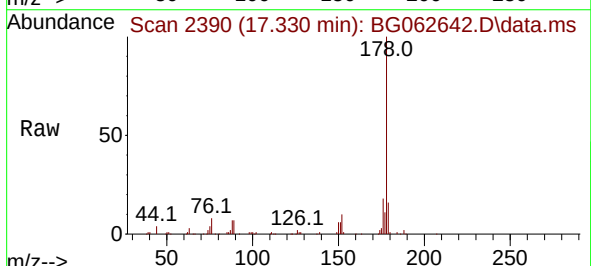
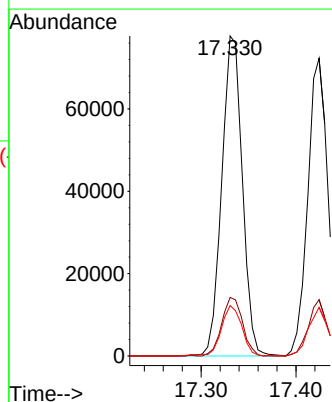
Tgt Ion:178 Resp: 117369

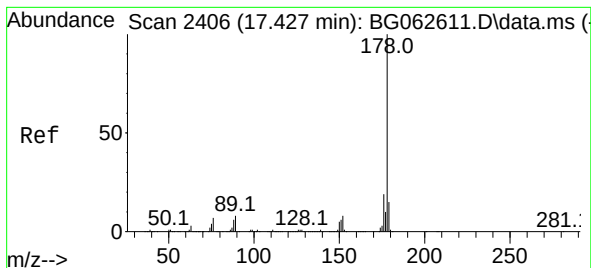
Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 15.8 12.2 18.4





#72

Anthracene

Concen: 4.385 ng

RT: 17.424 min Scan# 2406

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

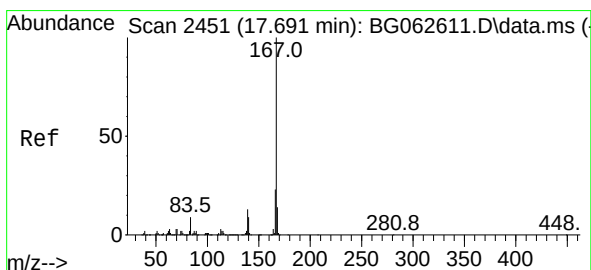
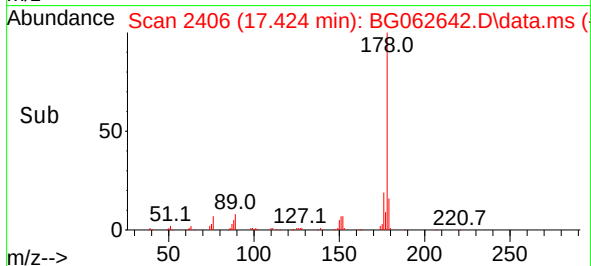
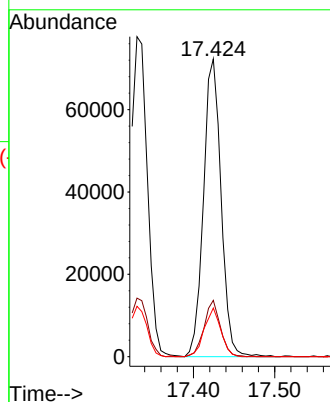
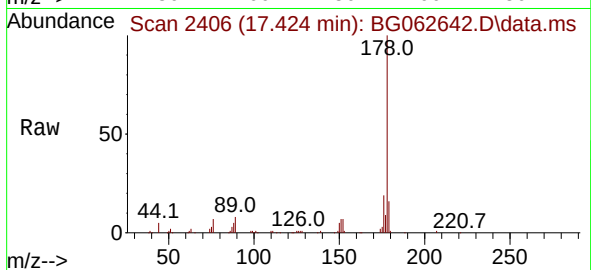
Tgt Ion:178 Resp: 108538

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 16.4 12.0 18.0



#73

Carbazole

Concen: 4.402 ng

RT: 17.689 min Scan# 2451

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

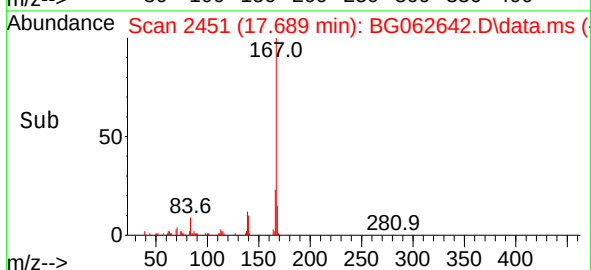
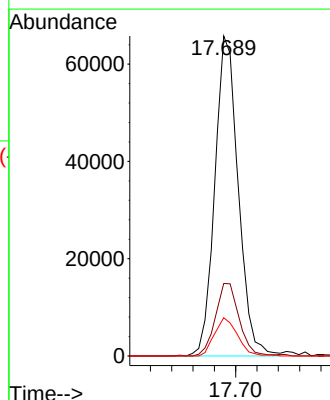
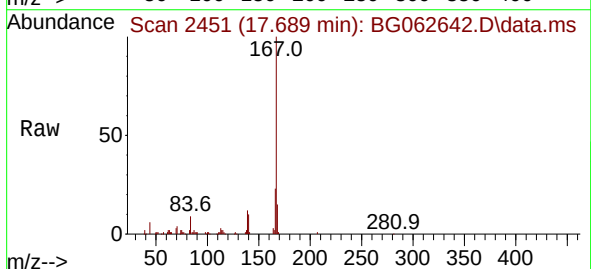
Tgt Ion:167 Resp: 100183

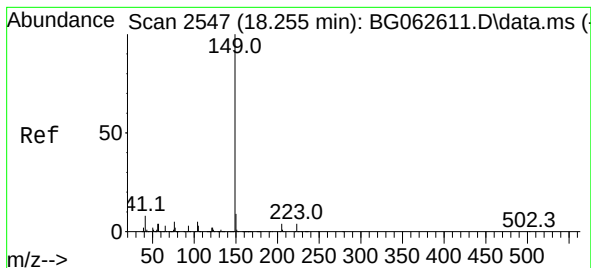
Ion Ratio Lower Upper

167 100

166 22.7 18.2 27.2

139 12.0 10.1 15.1





#74

Di-n-butylphthalate

Concen: 4.245 ng

RT: 18.259 min Scan# 2548

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

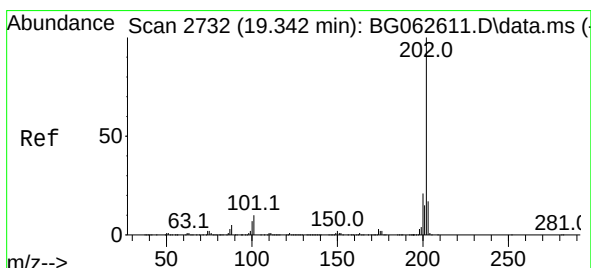
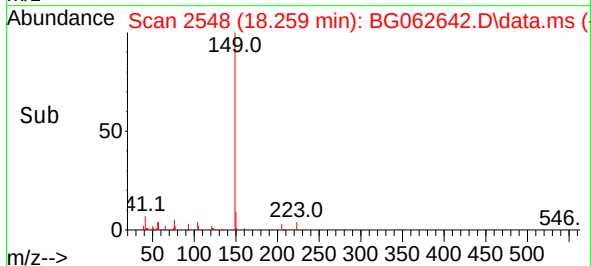
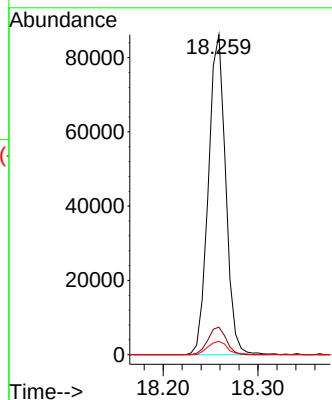
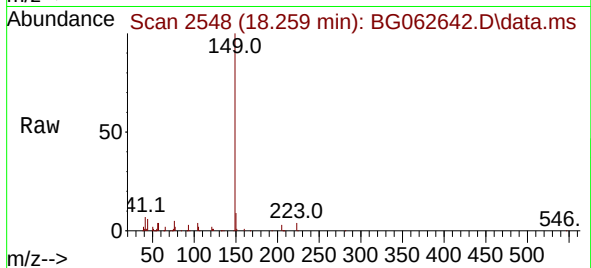
Tgt Ion:149 Resp: 108936

Ion Ratio Lower Upper

149 100

150 8.6 7.3 10.9

104 4.1 4.2 6.2#



#75

Fluoranthene

Concen: 4.591 ng

RT: 19.346 min Scan# 2733

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

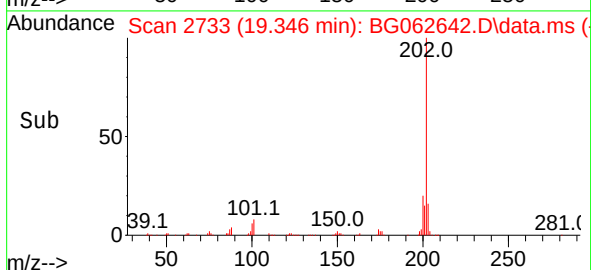
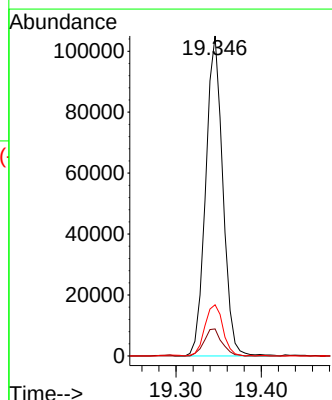
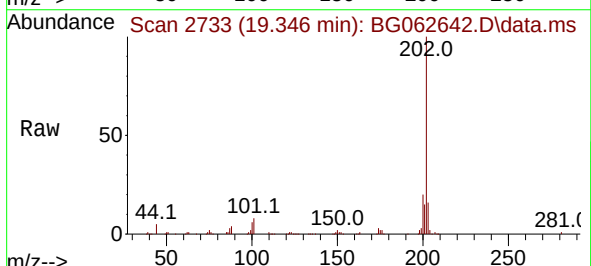
Tgt Ion:202 Resp: 146187

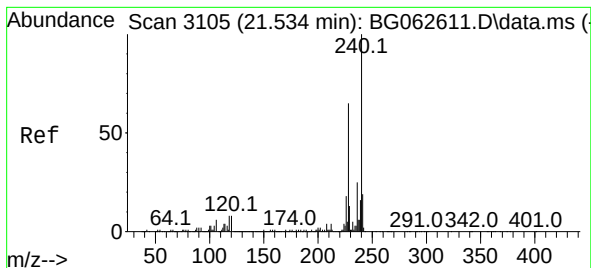
Ion Ratio Lower Upper

202 100

101 8.5 0.0 29.6

203 16.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.537 min Scan# 3106

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

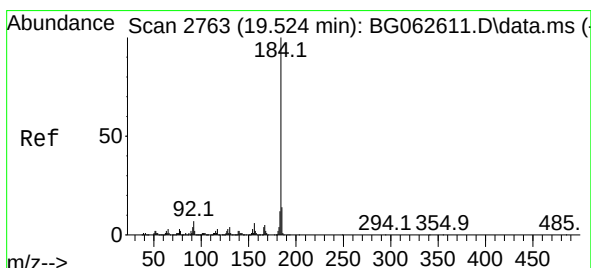
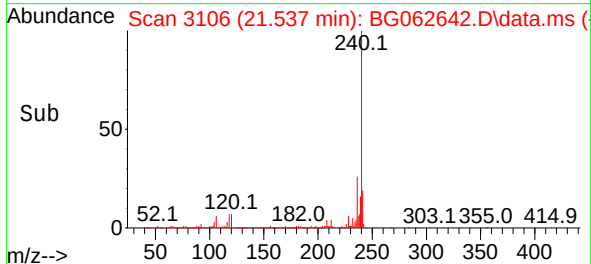
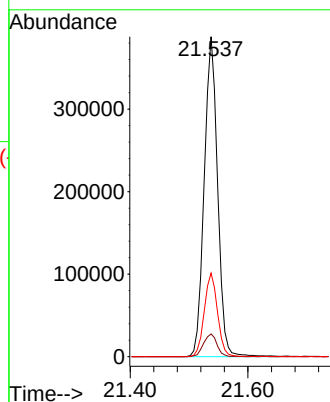
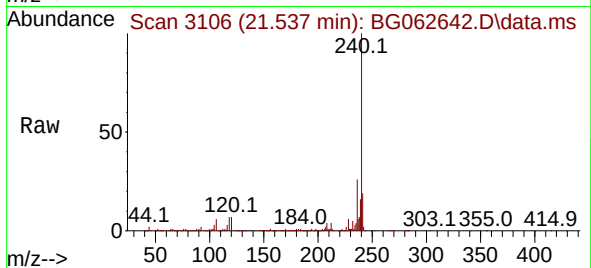
Tgt Ion:240 Resp: 610809

Ion Ratio Lower Upper

240 100

120 7.1 6.6 9.8

236 26.1 20.2 30.4



#77

Benzidine

Concen: 3.736 ng

RT: 19.528 min Scan# 2764

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

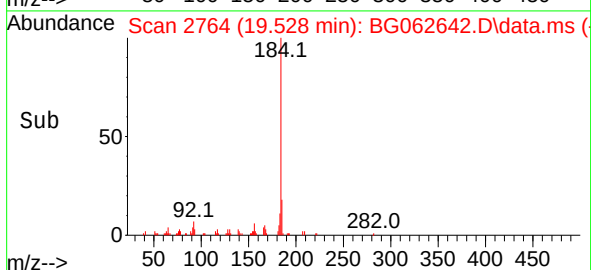
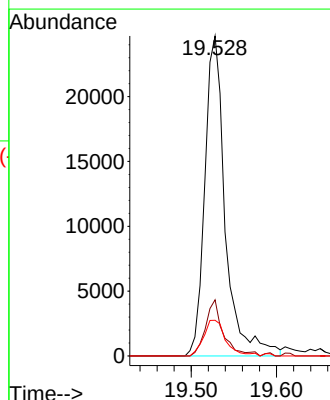
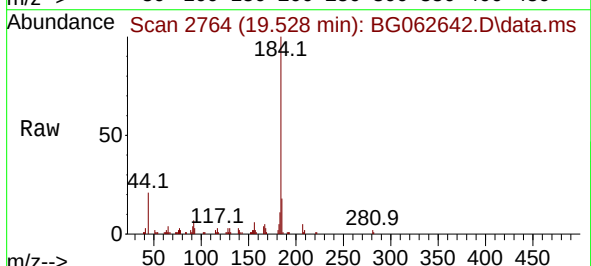
Tgt Ion:184 Resp: 41128

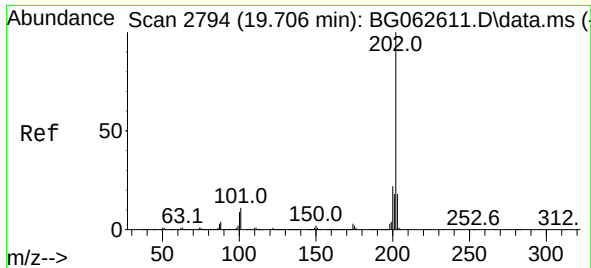
Ion Ratio Lower Upper

184 100

185 17.6 11.0 16.6#

183 11.1 9.7 14.5

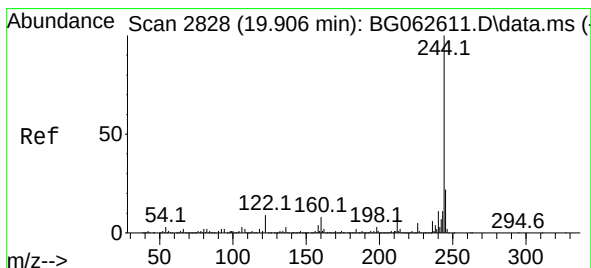
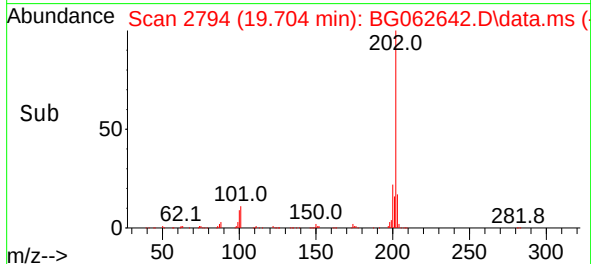
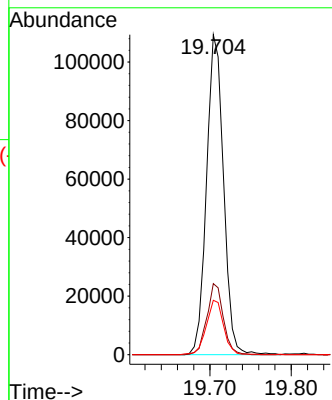
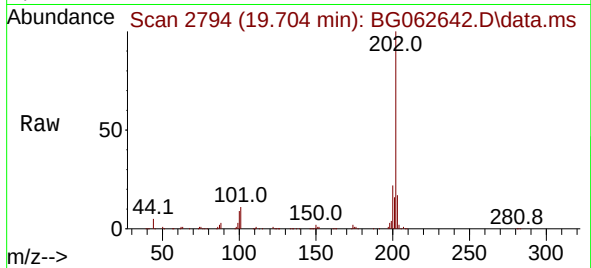




#78
Pyrene
Concen: 4.075 ng
RT: 19.704 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

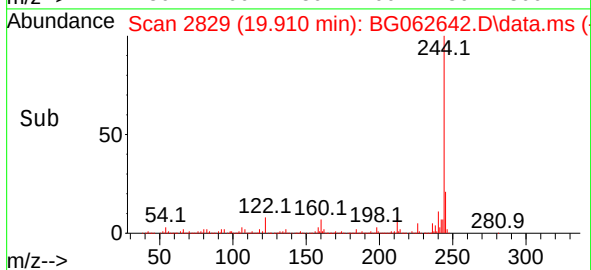
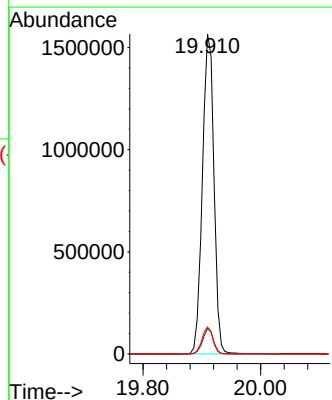
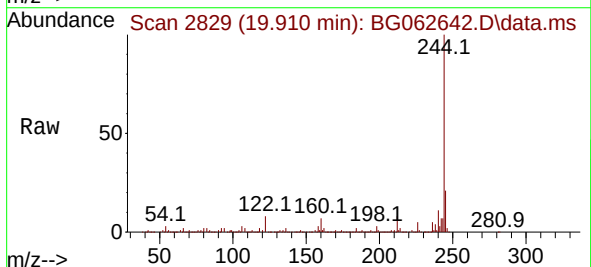
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

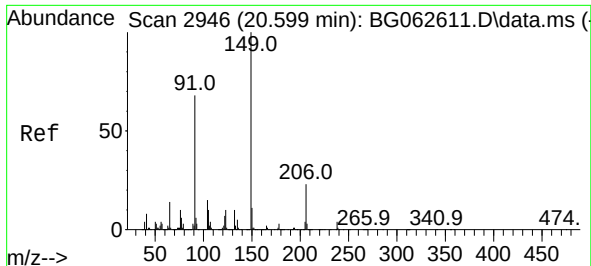
Tgt Ion:202 Resp: 158213
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.2
203 17.0 14.1 21.1



#79
Terphenyl-d14
Concen: 69.297 ng
RT: 19.910 min Scan# 2829
Delta R.T. 0.004 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:244 Resp: 2134687
Ion Ratio Lower Upper
244 100
212 8.0 6.6 10.0
122 8.4 7.2 10.8

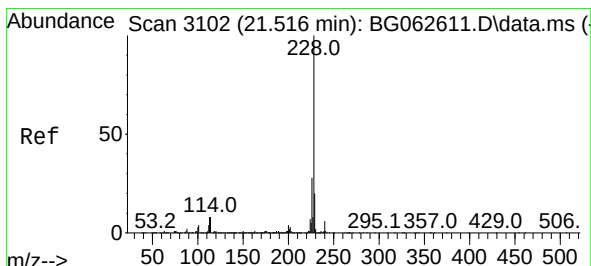
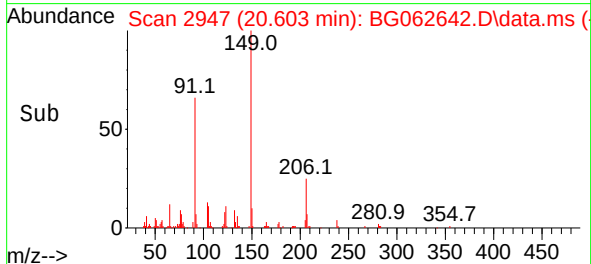
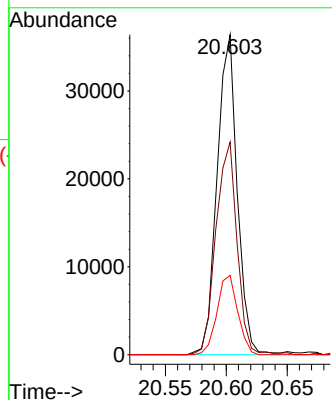
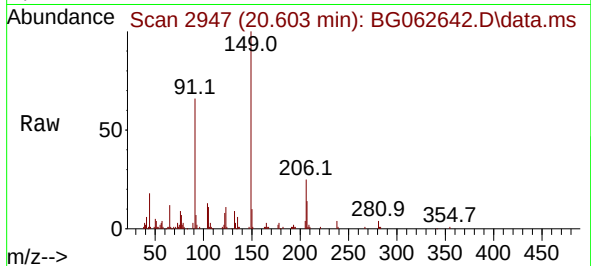




#80
Butylbenzylphthalate
Concen: 3.677 ng
RT: 20.603 min Scan# 2946
Delta R.T. 0.004 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

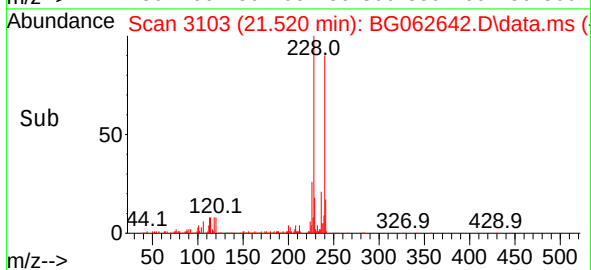
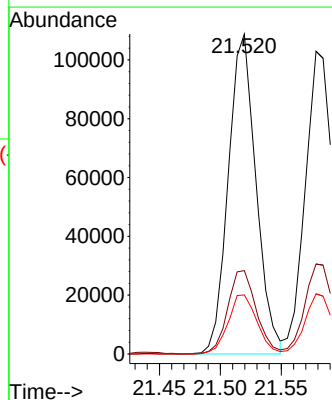
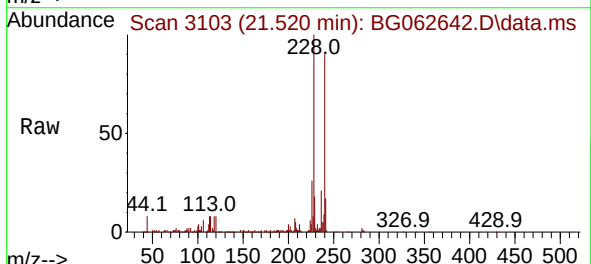
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2024

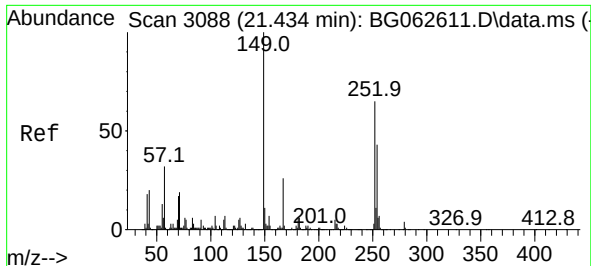
Tgt Ion:149 Resp: 41935
Ion Ratio Lower Upper
149 100
91 66.5 54.6 81.8
206 24.8 18.4 27.6



#81
Benzo(a)anthracene
Concen: 4.472 ng
RT: 21.520 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

Tgt Ion:228 Resp: 172303
Ion Ratio Lower Upper
228 100
226 26.1 22.3 33.5
229 18.5 16.2 24.2





#82

3,3'-Dichlorobenzidine

Concen: 4.438 ng

RT: 21.437 min Scan# 3088

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

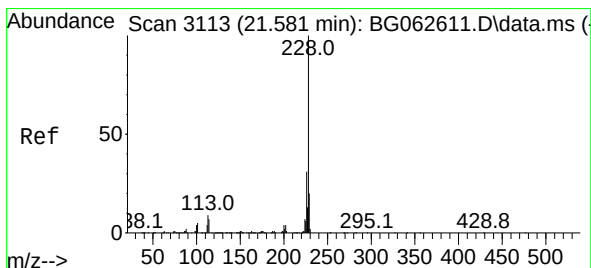
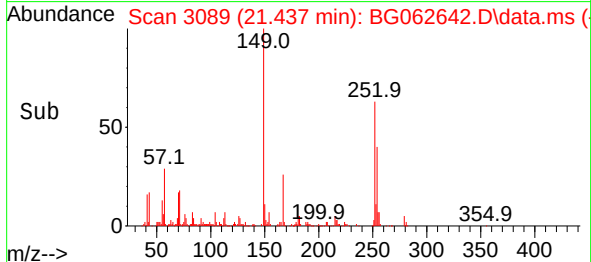
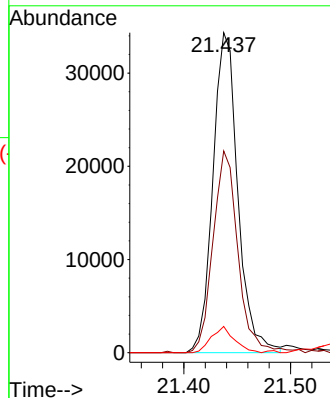
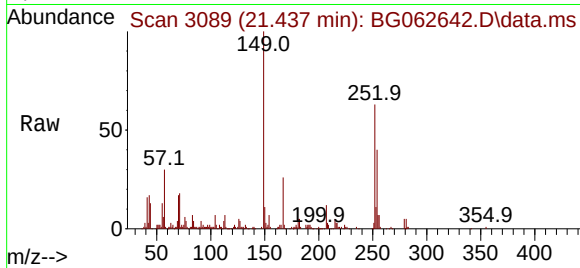
Tgt Ion:252 Resp: 55698

Ion Ratio Lower Upper

252 100

254 63.1 52.2 78.2

126 8.2 6.7 10.1



#83

Chrysene

Concen: 4.446 ng

RT: 21.578 min Scan# 3113

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

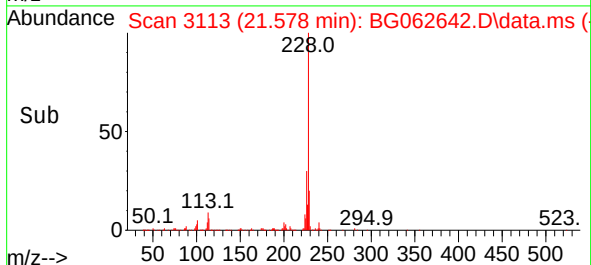
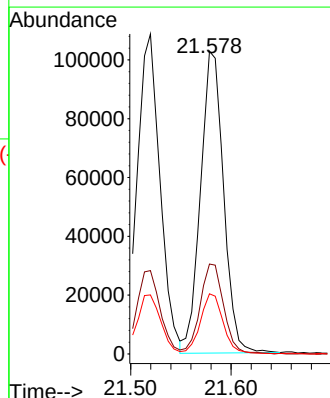
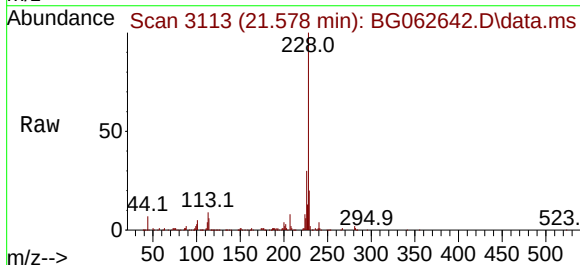
Tgt Ion:228 Resp: 164072

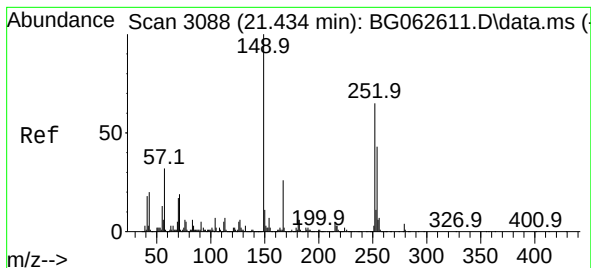
Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

229 19.9 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.992 ng

RT: 21.437 min Scan# 3088

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

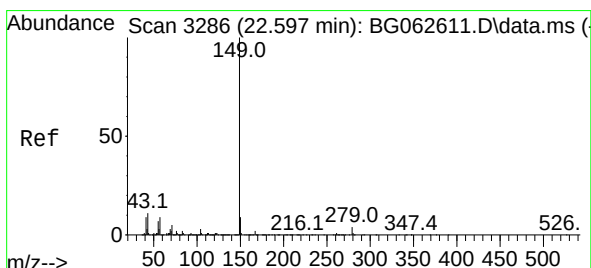
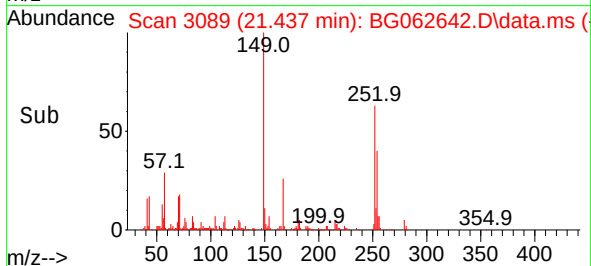
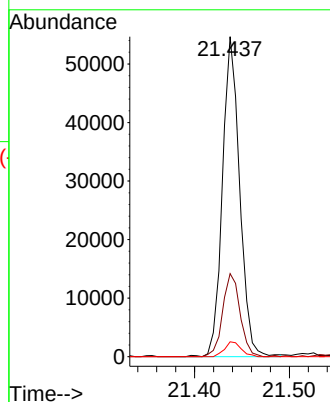
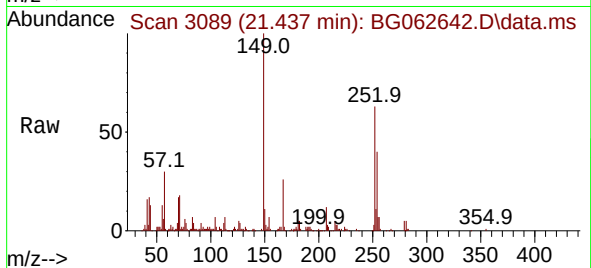
Tgt Ion:149 Resp: 69162

Ion Ratio Lower Upper

149 100

167 26.0 20.5 30.7

279 4.6 3.1 4.7



#85

Di-n-octyl phthalate

Concen: 3.666 ng

RT: 22.601 min Scan# 3287

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

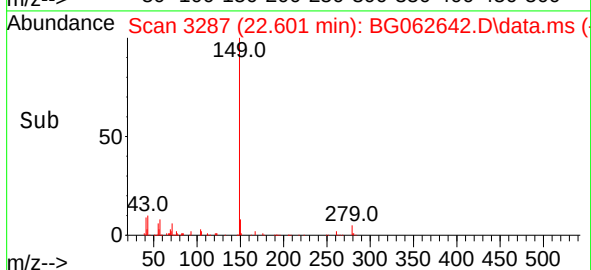
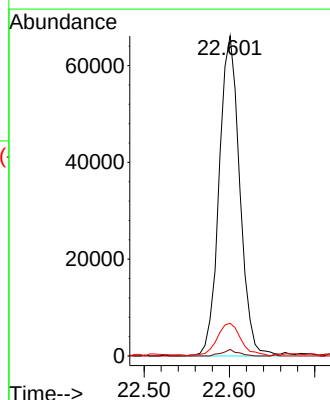
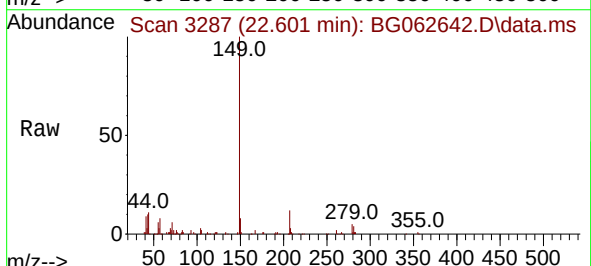
Tgt Ion:149 Resp: 111214

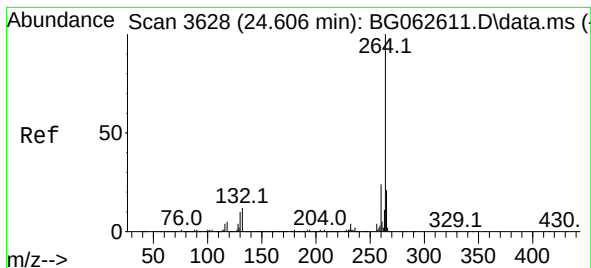
Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 11.9 8.8 13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.610 min Scan# 3

Delta R.T. 0.004 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

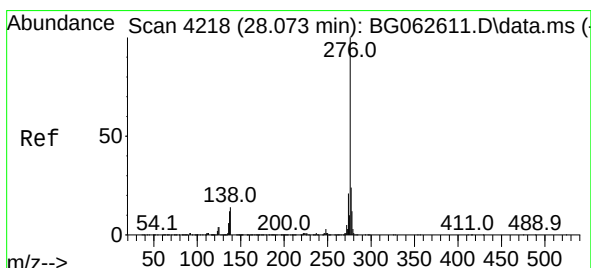
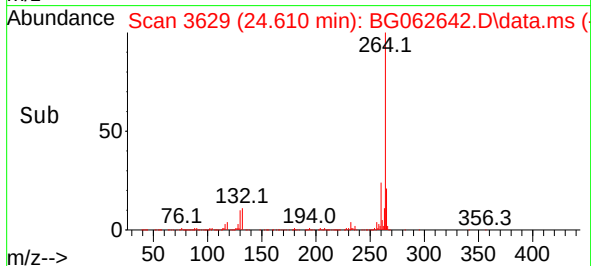
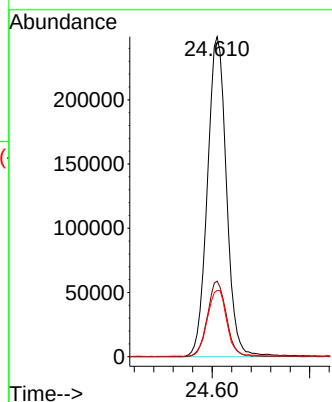
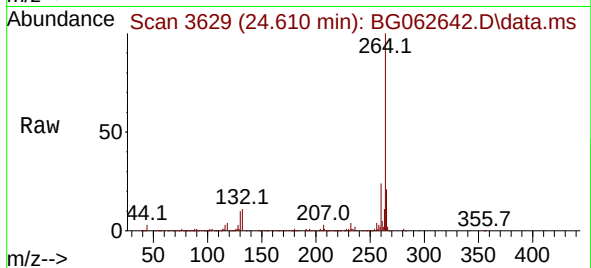
Tgt Ion:264 Resp: 675838

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 20.7 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.352 ng

RT: 28.065 min Scan# 4217

Delta R.T. -0.008 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

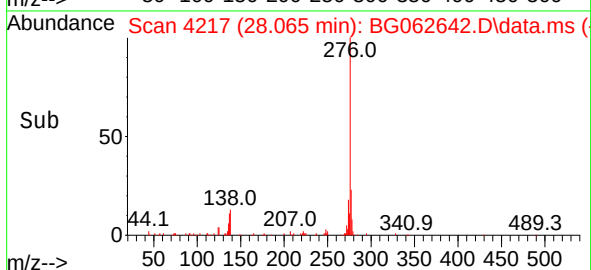
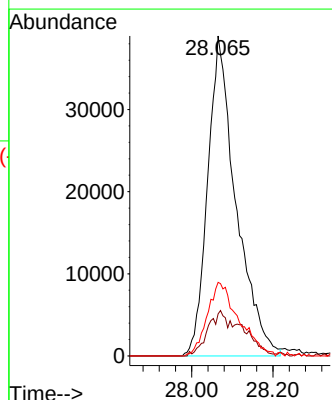
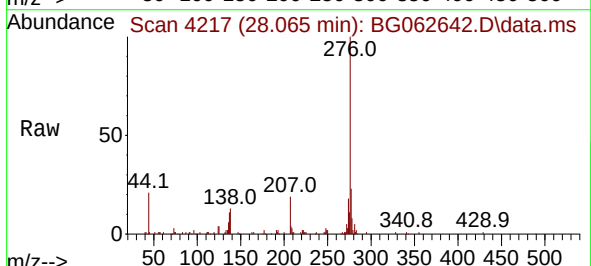
Tgt Ion:276 Resp: 188609

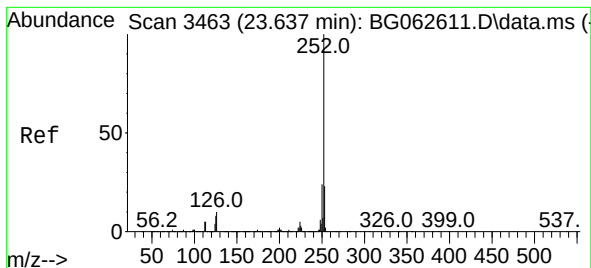
Ion Ratio Lower Upper

276 100

138 11.4 14.9 22.3#

277 25.5 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 4.175 ng

RT: 23.635 min Scan# 3463

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

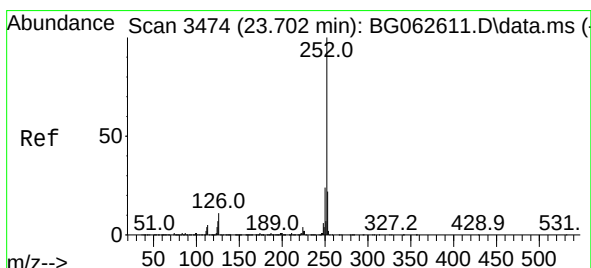
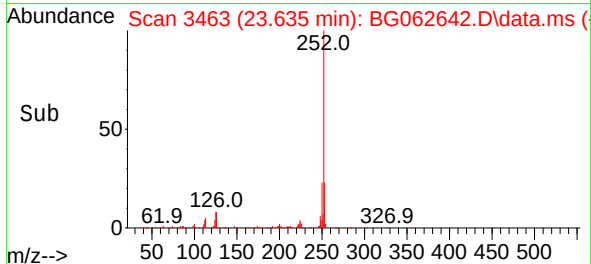
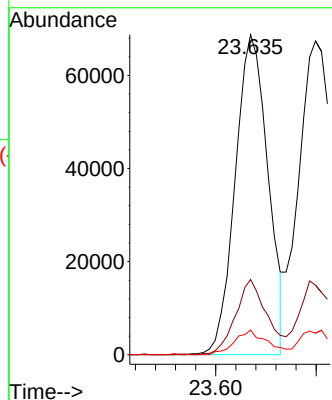
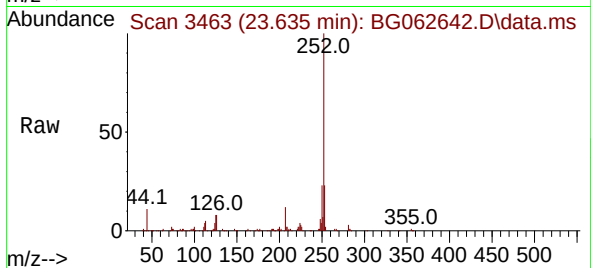
Tgt Ion:252 Resp: 155851

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

125 7.7 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 4.376 ng

RT: 23.699 min Scan# 3474

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

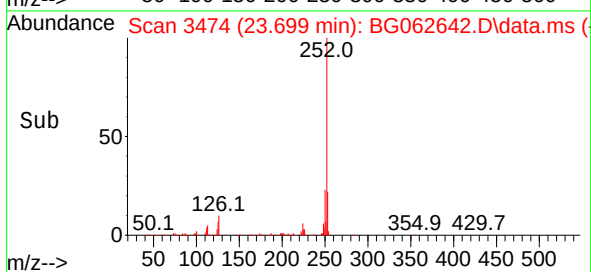
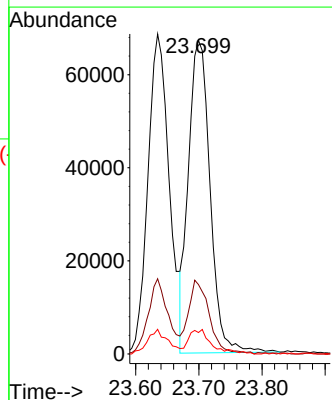
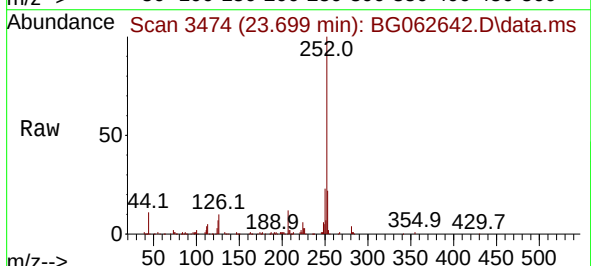
Tgt Ion:252 Resp: 159794

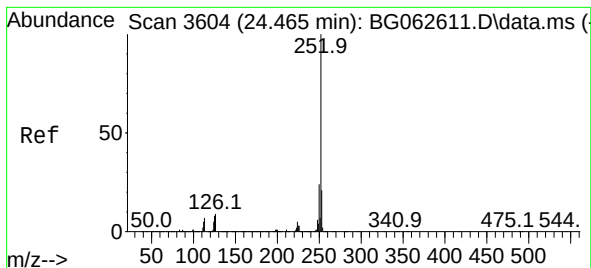
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 6.8 6.1 9.1





#90

Benzo(a)pyrene

Concen: 4.348 ng

RT: 24.463 min Scan# 3

Delta R.T. -0.002 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2024

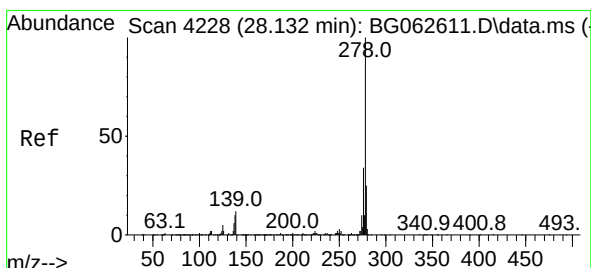
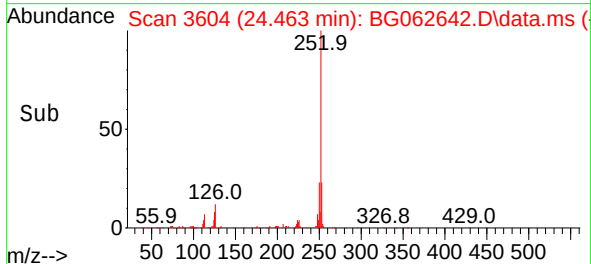
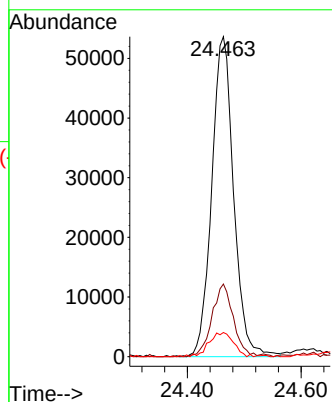
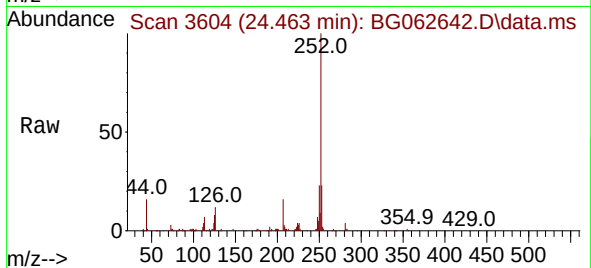
Tgt Ion:252 Resp: 143386

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 7.6 6.6 10.0



#91

Dibenzo(a,h)anthracene

Concen: 4.412 ng

RT: 28.124 min Scan# 4227

Delta R.T. -0.008 min

Lab File: BG062642.D

Acq: 4 Sep 2024 14:08

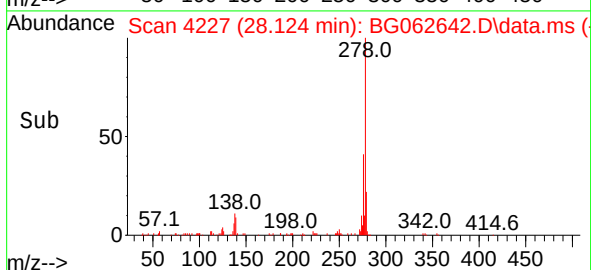
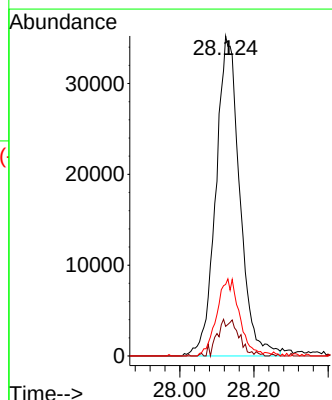
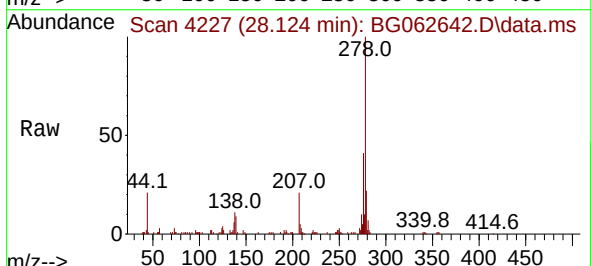
Tgt Ion:278 Resp: 157513

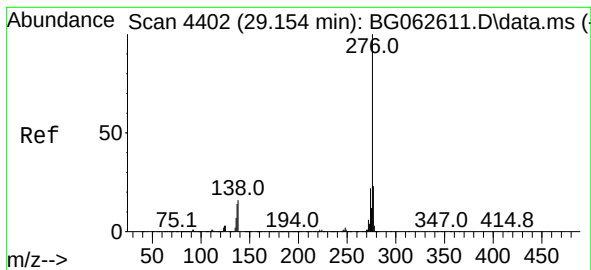
Ion Ratio Lower Upper

278 100

139 9.3 9.2 13.8

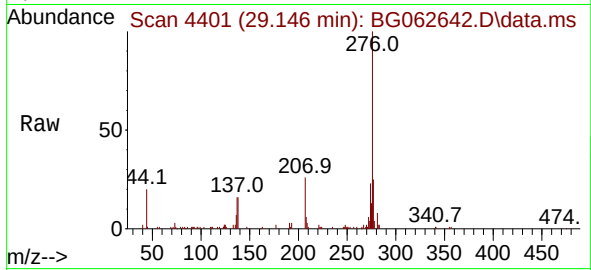
279 22.3 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 4.104 ng
RT: 29.146 min Scan# 4401
Delta R.T. -0.008 min
Lab File: BG062642.D
Acq: 4 Sep 2024 14:08

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



Tgt Ion:276 Resp: 147724
Ion Ratio Lower Upper
276 100
277 24.6 18.8 28.2
138 15.5 12.7 19.1

