

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090324\
 Data File : BG062631.D
 Acq On : 3 Sep 2024 18:33
 Operator : MA/JU
 Sample : P3390-01
 Misc : LOD-MDL--SOIL-8ng
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Sep 04 04:59:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	53623	20.000	ng	0.00
21) Naphthalene-d8	10.714	136	234147	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	195698	20.000	ng	0.00
64) Phenanthrene-d10	17.289	188	525733	20.000	ng	0.00
76) Chrysene-d12	21.531	240	547499	20.000	ng	0.00
86) Perylene-d12	24.604	264	610776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	396619	127.850	ng	0.00
7) Phenol-d6	7.089	99	562059	125.415	ng	0.00
23) Nitrobenzene-d5	9.075	82	399518	91.893	ng	0.00
42) 2,4,6-Tribromophenol	16.031	330	383444	139.227	ng	0.00
45) 2-Fluorobiphenyl	13.170	172	1099513	91.006	ng	0.00
79) Terphenyl-d14	19.909	244	2196706	79.556	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.411	88	11584	8.964	ng	98
3) Pyridine	3.804	79	27752	7.453	ng	# 93
4) n-Nitrosodimethylamine	3.716	42	15707	8.677	ng	# 86
6) Aniline	7.247	93	40064	9.568	ng	96
8) 2-Chlorophenol	7.488	128	28129	8.446	ng	95
9) Benzaldehyde	7.065	77	29008	11.127	ng	94
10) Phenol	7.112	94	37632	8.295	ng	99
11) bis(2-Chloroethyl)ether	7.341	93	28639	8.245	ng	98
12) 1,3-Dichlorobenzene	7.811	146	29799	8.153	ng	98
13) 1,4-Dichlorobenzene	7.958	146	30024	7.982	ng	95
14) 1,2-Dichlorobenzene	8.276	146	29775	8.053	ng	91
15) Benzyl Alcohol	8.158	79	26601	8.022	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.440	45	53840	8.133	ng	98
17) 2-Methylphenol	8.364	107	23405	7.401	ng	96
18) Hexachloroethane	9.004	117	11208	7.947	ng	95
19) n-Nitroso-di-n-propyla...	8.722	70	26983	7.641	ng	98
20) 3+4-Methylphenols	8.687	107	32091	6.878	ng	98
22) Acetophenone	8.734	105	51315	8.124	ng	# 96
24) Nitrobenzene	9.116	77	38554	8.340	ng	100
25) Isophorone	9.633	82	77227	8.092	ng	97
26) 2-Nitrophenol	9.821	139	14371	8.228	ng	98
27) 2,4-Dimethylphenol	9.885	122	15432	6.030	ng	98
28) bis(2-Chloroethoxy)met...	10.120	93	42881	8.393	ng	99
29) 2,4-Dichlorophenol	10.361	162	28532	7.974	ng	96
30) 1,2,4-Trichlorobenzene	10.579	180	35428	8.352	ng	96
31) Naphthalene	10.767	128	100179	8.632	ng	99
32) Benzoic acid	9.950	122	10500	3.815	ng	94
33) 4-Chloroaniline	10.867	127	39201	8.583	ng	99
34) Hexachlorobutadiene	11.055	225	23902	8.068	ng	93
35) Caprolactam	11.613	113	10746	7.790	ng	97
36) 4-Chloro-3-methylphenol	11.989	107	34376	7.964	ng	97
37) 2-Methylnaphthalene	12.371	142	75293	8.364	ng	98
38) 1-Methylnaphthalene	12.588	142	69880	7.731	ng	96
40) 1,2,4,5-Tetrachloroben...	12.741	216	50112	8.515	ng	99
41) Hexachlorocyclopentadiene	12.723	237	12483	7.434	ng	96
43) 2,4,6-Trichlorophenol	12.976	196	30660	8.218	ng	95

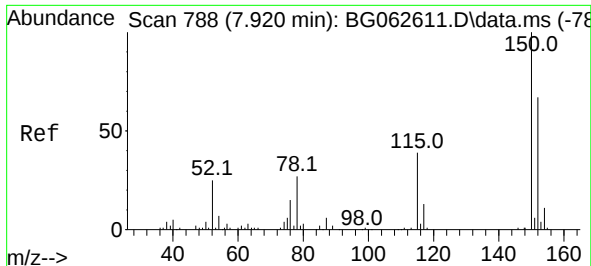
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090324\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.046	196	34076	8.065	ng	97
46) 1,1'-Biphenyl	13.376	154	114152	8.743	ng	98
47) 2-Chloronaphthalene	13.422	162	87021	8.224	ng	99
48) 2-Nitroaniline	13.616	65	21685	7.792	ng	98
49) Acenaphthylene	14.269	152	141670	9.041	ng	99
50) Dimethylphthalate	13.998	163	121660	8.502	ng	99
51) 2,6-Dinitrotoluene	14.116	165	20359	7.522	ng	97
52) Acenaphthene	14.609	154	80486	8.217	ng	99
53) 3-Nitroaniline	14.445	138	21661	8.271	ng	96
54) 2,4-Dinitrophenol	14.650	184	7470	4.918	ng	# 89
55) Dibenzofuran	14.944	168	147374	8.773	ng	96
56) 4-Nitrophenol	14.750	139	16116	7.261	ng	96
57) 2,4-Dinitrotoluene	14.903	165	27617	7.478	ng	# 85
58) Fluorene	15.591	166	113232	8.589	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.168	232	33124	8.276	ng	# 97
60) Diethylphthalate	15.361	149	115583	8.149	ng	99
61) 4-Chlorophenyl-phenyle...	15.585	204	64232	8.487	ng	98
62) 4-Nitroaniline	15.602	138	22208	7.690	ng	91
63) Azobenzene	15.878	77	108477	8.145	ng	94
65) 4,6-Dinitro-2-methylph...	15.667	198	15244	6.497	ng	97
66) n-Nitrosodiphenylamine	15.796	169	101996	8.069	ng	97
67) 4-Bromophenyl-phenylether	16.478	248	43804	8.073	ng	97
68) Hexachlorobenzene	16.601	284	53324	8.298	ng	# 89
69) Atrazine	16.748	200	43905	10.227	ng	96
70) Pentachlorophenol	16.942	266	23973	5.825	ng	96
71) Phenanthrene	17.330	178	215380	8.777	ng	99
72) Anthracene	17.418	178	207330	8.593	ng	98
73) Carbazole	17.688	167	184504	8.319	ng	99
74) Di-n-butylphthalate	18.252	149	202146	8.081	ng	99
75) Fluoranthene	19.339	202	263497	8.490	ng	98
77) Benzidine	19.521	184	91418	9.264	ng	97
78) Pyrene	19.703	202	280819	8.069	ng	99
80) Butylbenzylphthalate	20.596	149	73702	7.210	ng	97
81) Benzo(a)anthracene	21.513	228	295804	8.566	ng	100
82) 3,3'-Dichlorobenzidine	21.437	252	98788	8.782	ng	100
83) Chrysene	21.578	228	279188	8.441	ng	100
84) Bis(2-ethylhexyl)phtha...	21.437	149	119491	7.694	ng	# 94
85) Di-n-octyl phthalate	22.594	149	202949	7.464	ng	99
87) Indeno(1,2,3-cd)pyrene	28.058	276	323886	8.270	ng	99
88) Benzo(b)fluoranthene	23.634	252	279368	8.281	ng	98
89) Benzo(k)fluoranthene	23.693	252	280846	8.510	ng	97
90) Benzo(a)pyrene	24.457	252	255015	8.557	ng	98
91) Dibenzo(a,h)anthracene	28.123	278	275593	8.542	ng	97
92) Benzo(g,h,i)perylene	29.128	276	258489	7.946	ng	95

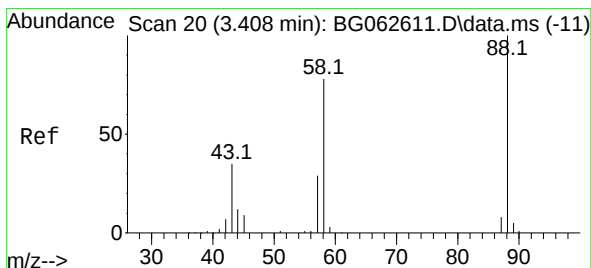
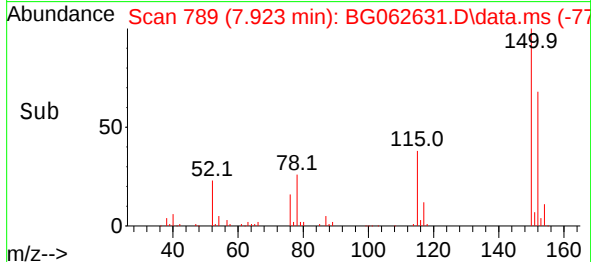
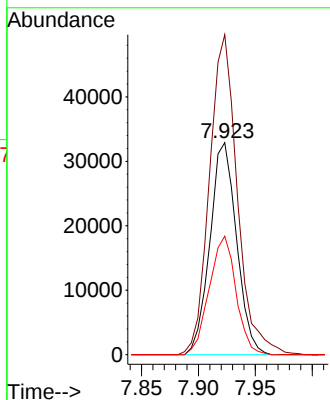
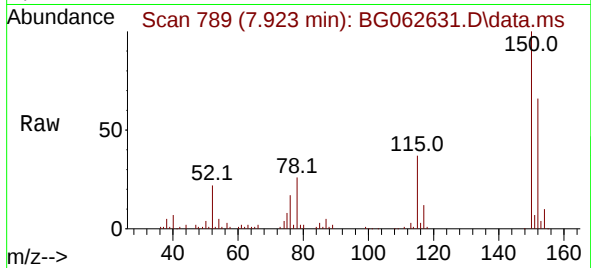
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 70
Delta R.T. 0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

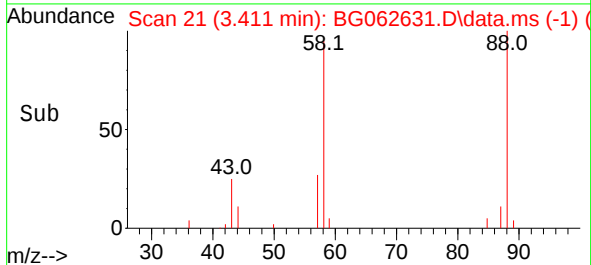
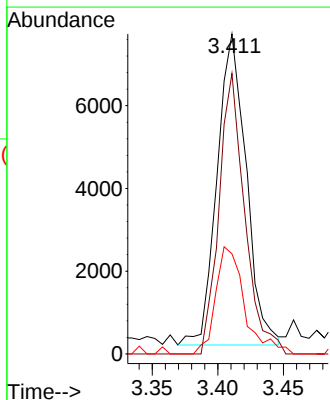
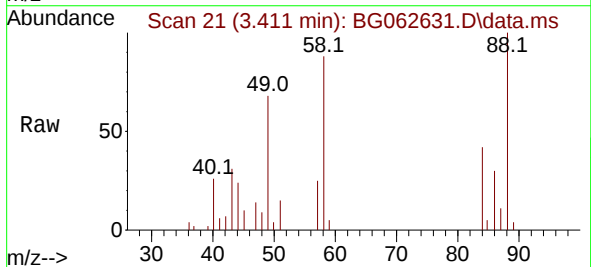
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

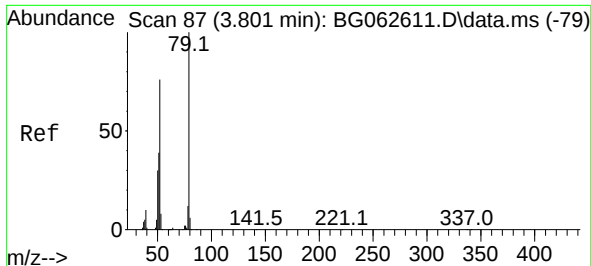
Tgt Ion:152 Resp: 53623
Ion Ratio Lower Upper
152 100
150 150.9 119.9 179.9
115 55.9 46.6 69.8



#2
1,4-Dioxane
Concen: 8.964 ng
RT: 3.411 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion: 88 Resp: 11584
Ion Ratio Lower Upper
88 100
58 79.7 62.3 93.5
43 34.2 27.5 41.3





#3

Pyridine

Concen: 7.453 ng

RT: 3.804 min Scan# 80

Delta R.T. 0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

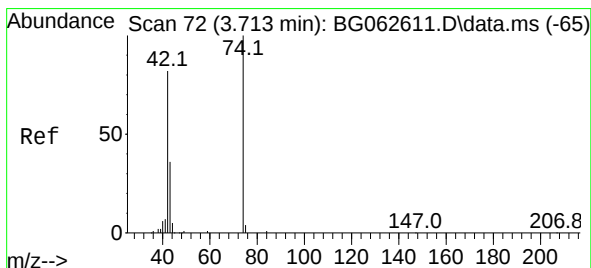
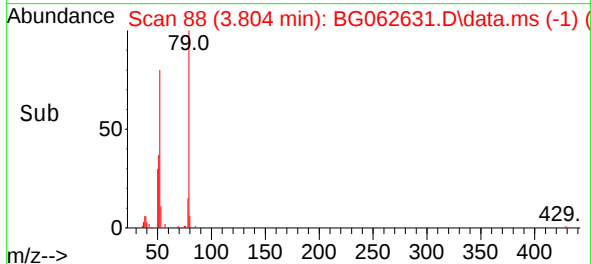
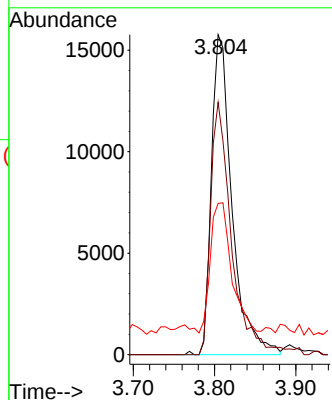
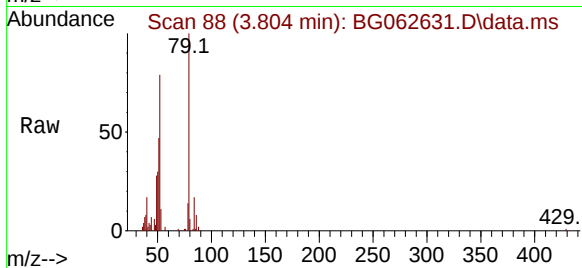
Tgt Ion: 79 Resp: 27752

Ion Ratio Lower Upper

79 100

52 78.9 60.9 91.3

51 47.3 31.5 47.3#



#4

n-Nitrosodimethylamine

Concen: 8.677 ng

RT: 3.716 min Scan# 73

Delta R.T. 0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

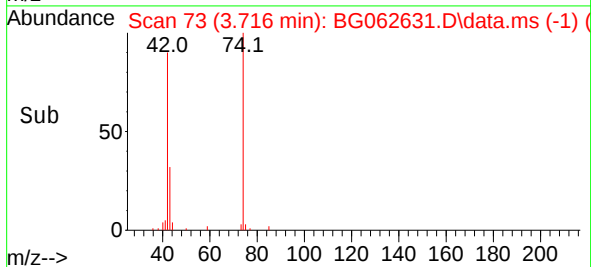
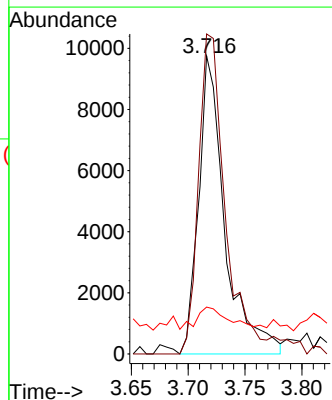
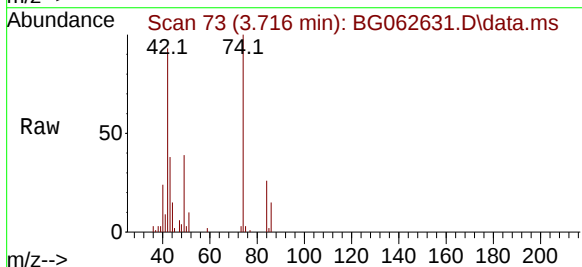
Tgt Ion: 42 Resp: 15707

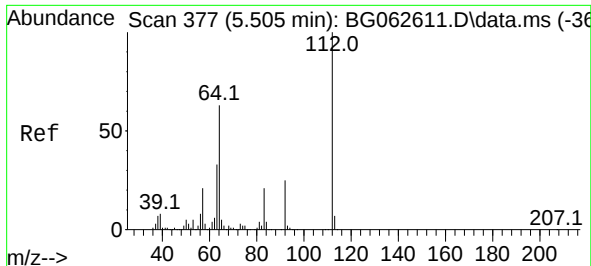
Ion Ratio Lower Upper

42 100

74 107.4 98.0 147.0

44 15.7 7.4 11.2#

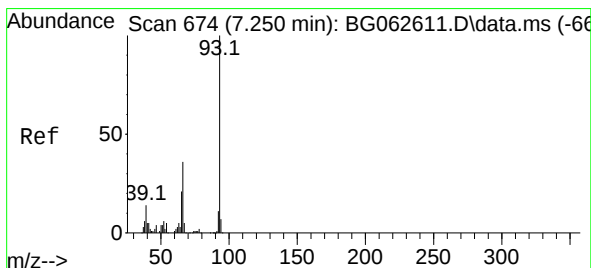
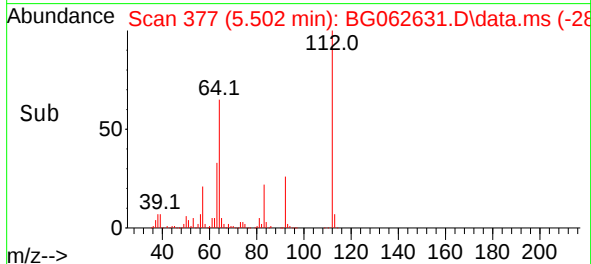
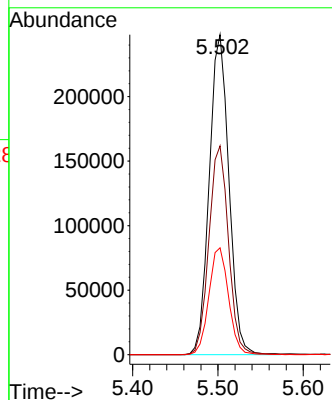
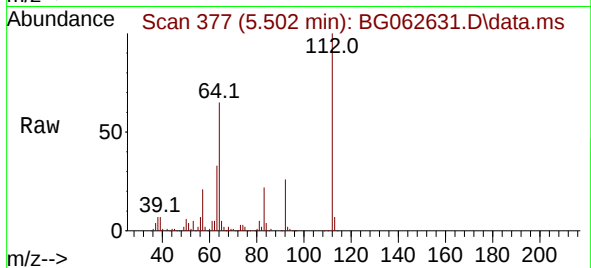




#5
2-Fluorophenol
Concen: 127.850 ng
RT: 5.502 min Scan# 377
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

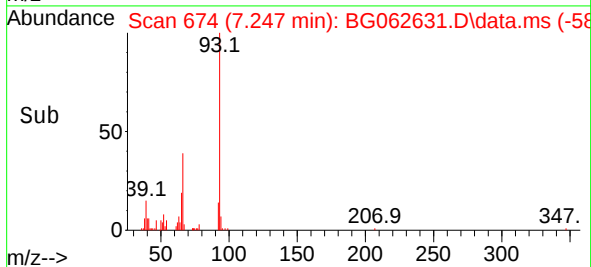
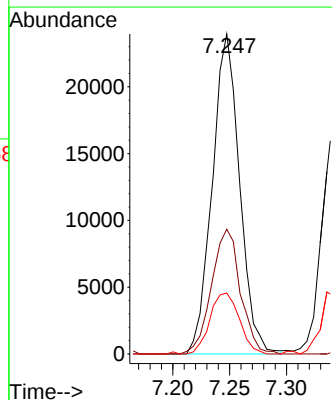
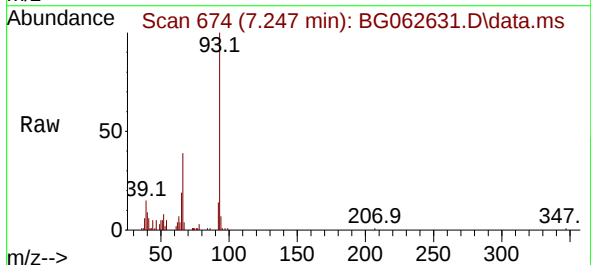
Instrument :
BNA_G
ClientSampleId :
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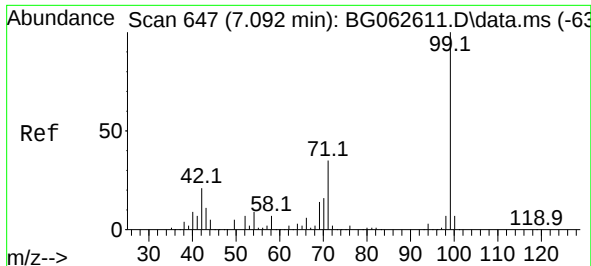
Tgt Ion:112 Resp: 396619
Ion Ratio Lower Upper
112 100
64 65.3 50.2 75.2
63 33.4 26.6 39.8



#6
Aniline
Concen: 9.568 ng
RT: 7.247 min Scan# 674
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion: 93 Resp: 40064
Ion Ratio Lower Upper
93 100
66 39.0 29.1 43.7
65 19.1 16.6 25.0

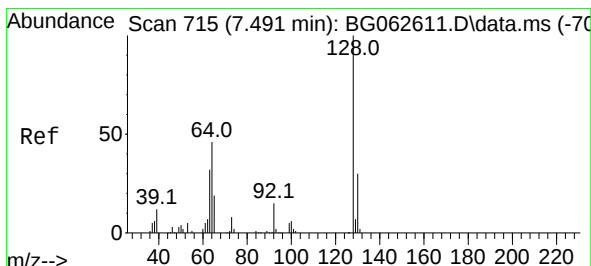
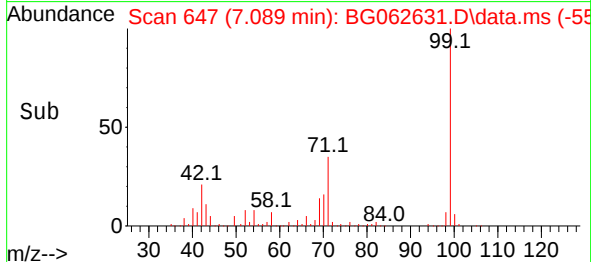
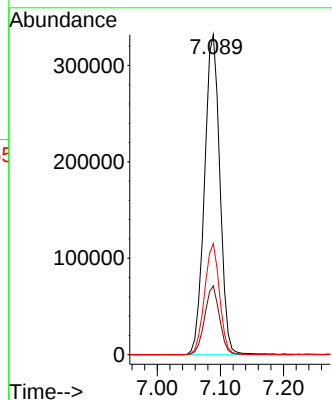
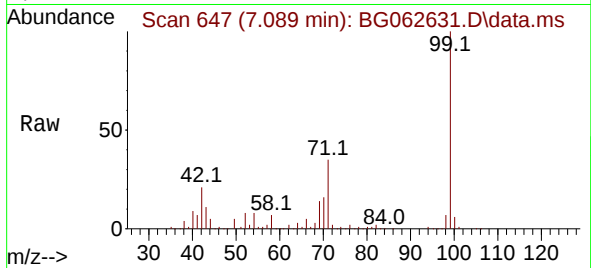




#7
Phenol-d6
Concen: 125.415 ng
RT: 7.089 min Scan# 647
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

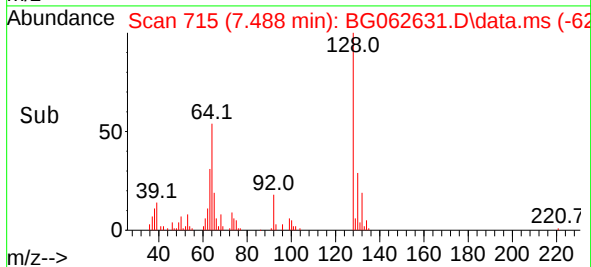
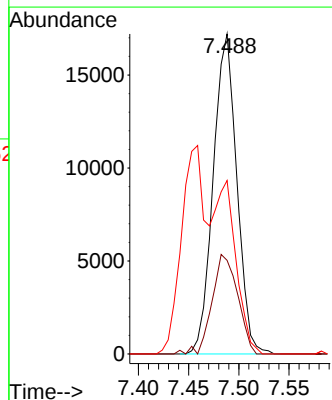
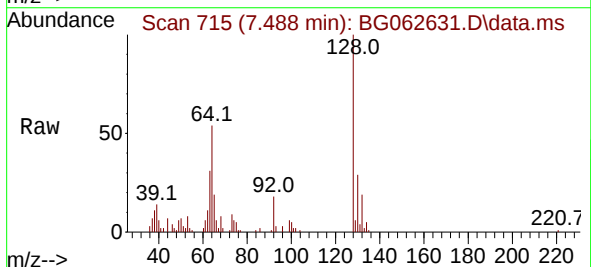
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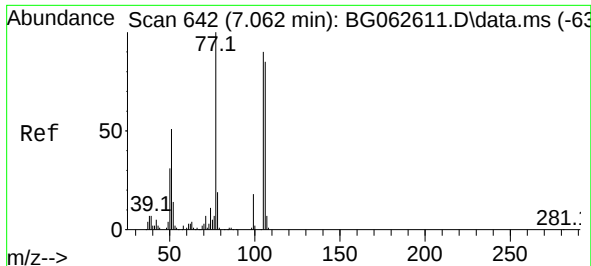
Tgt Ion: 99 Resp: 562059
Ion Ratio Lower Upper
99 100
42 21.5 16.9 25.3
71 34.7 27.9 41.9



#8
2-Chlorophenol
Concen: 8.446 ng
RT: 7.488 min Scan# 715
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:128 Resp: 28129
Ion Ratio Lower Upper
128 100
130 29.3 10.0 50.0
64 54.2 28.8 68.8





#9

Benzaldehyde

Concen: 11.127 ng

RT: 7.065 min Scan# 642

Delta R.T. 0.003 min

Lab File: BG062631.D

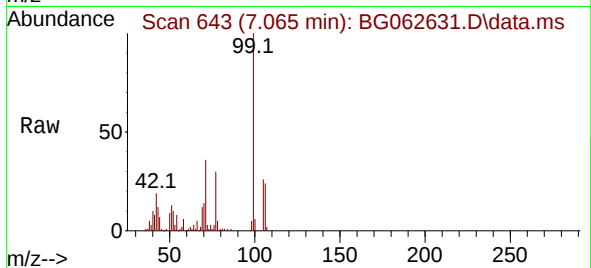
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Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



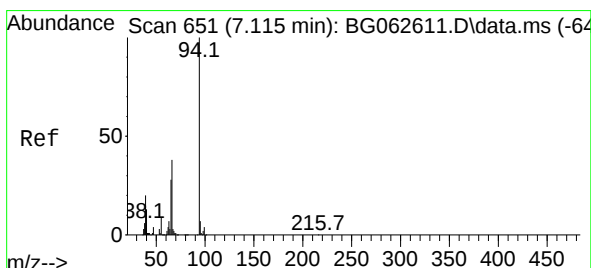
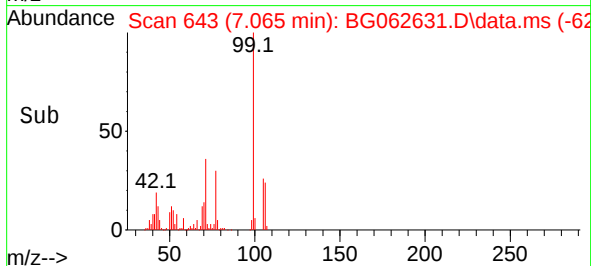
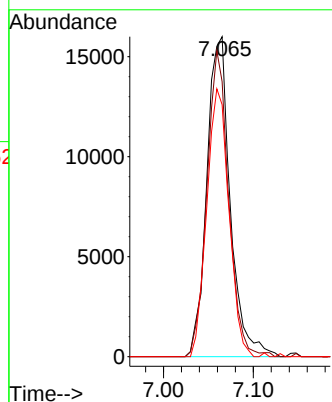
Tgt Ion: 77 Resp: 29008

Ion Ratio Lower Upper

77 100

105 86.0 70.2 110.2

106 78.7 65.4 105.4



#10

Phenol

Concen: 8.295 ng

RT: 7.112 min Scan# 651

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

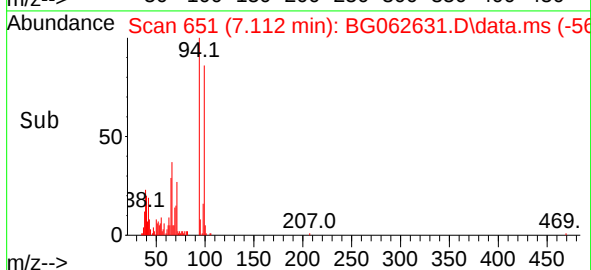
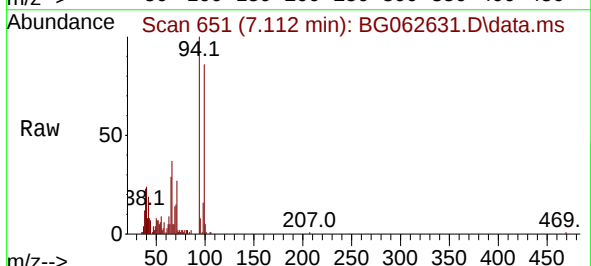
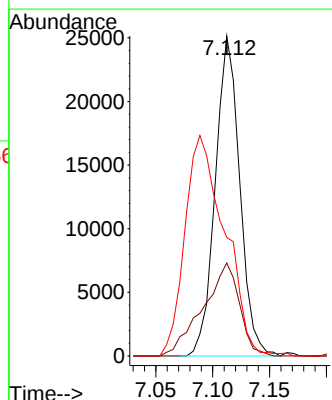
Tgt Ion: 94 Resp: 37632

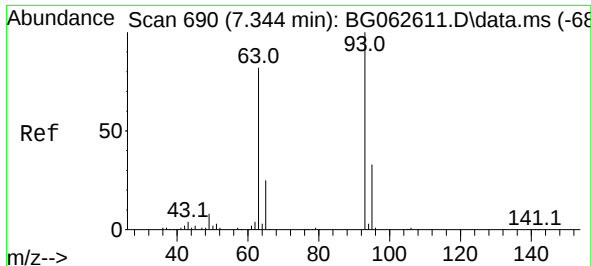
Ion Ratio Lower Upper

94 100

65 29.0 8.6 48.6

66 37.1 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 8.245 ng

RT: 7.341 min Scan# 690

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

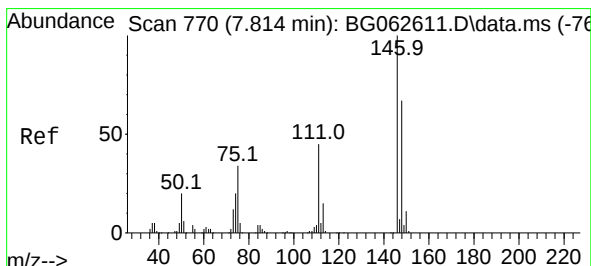
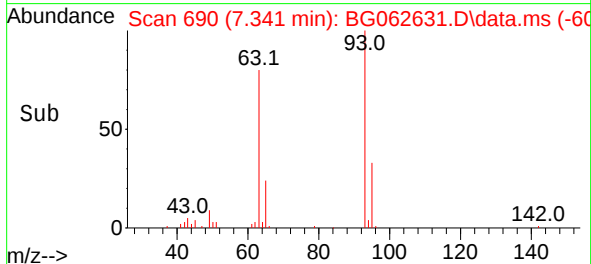
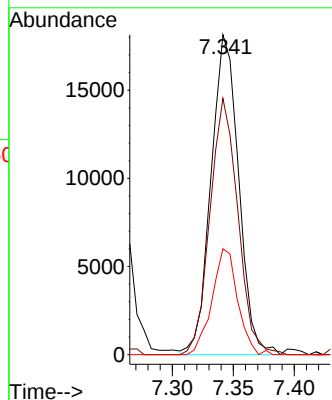
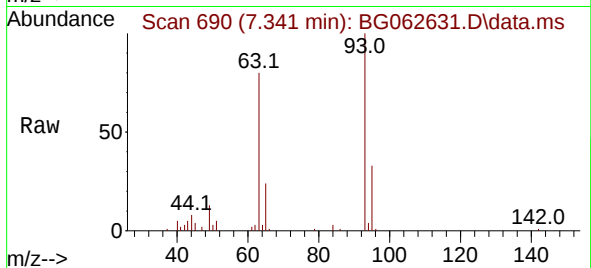
Tgt Ion: 93 Resp: 28639

Ion Ratio Lower Upper

93 100

63 80.1 61.9 101.9

95 33.1 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 8.153 ng

RT: 7.811 min Scan# 770

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

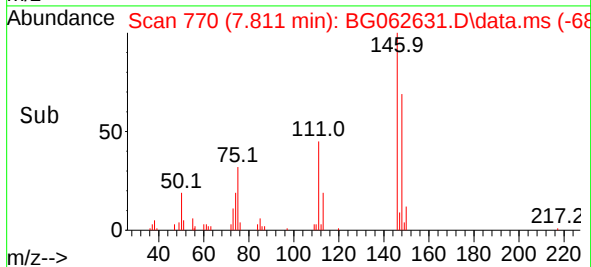
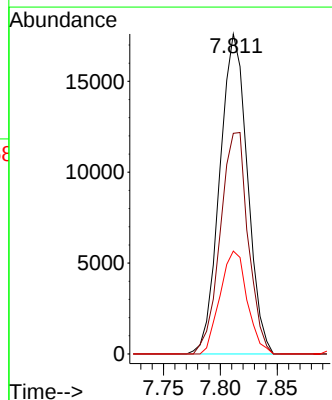
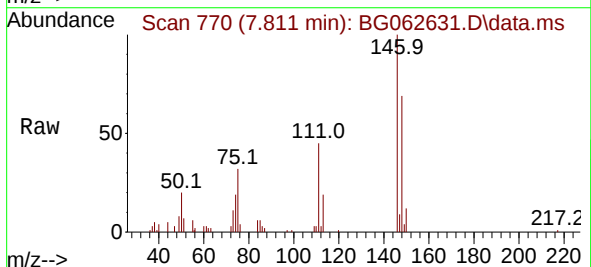
Tgt Ion:146 Resp: 29799

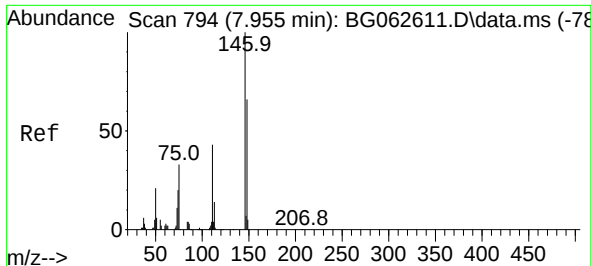
Ion Ratio Lower Upper

146 100

148 69.0 53.9 80.9

75 32.1 27.0 40.4





#13

1,4-Dichlorobenzene

Concen: 7.982 ng

RT: 7.958 min Scan# 794

Delta R.T. 0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

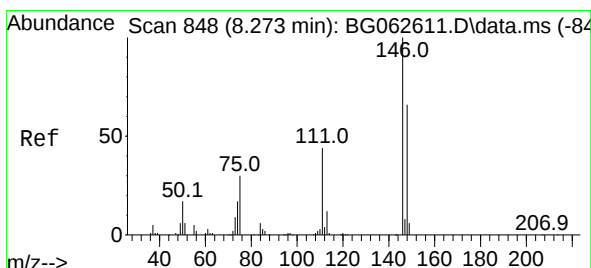
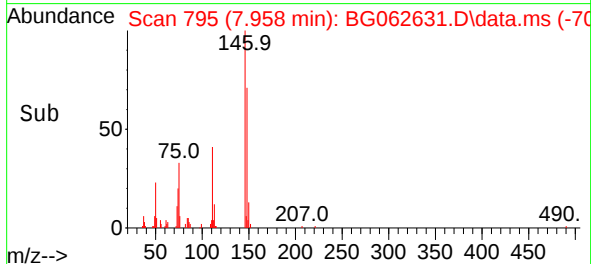
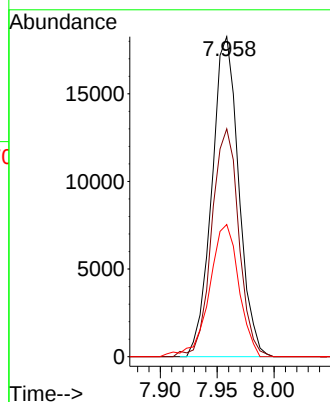
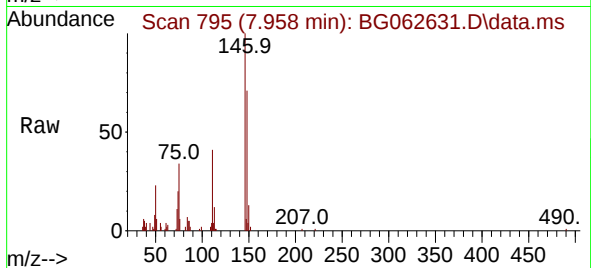
Tgt Ion:146 Resp: 30024

Ion Ratio Lower Upper

146 100

148 71.2 53.0 79.6

111 41.3 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 8.053 ng

RT: 8.276 min Scan# 849

Delta R.T. 0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

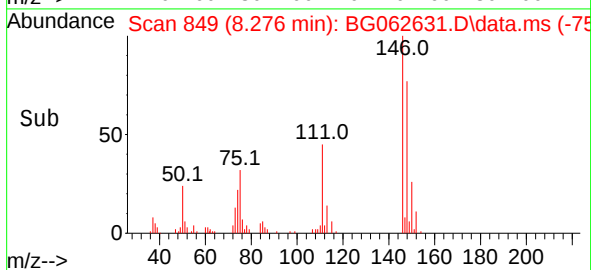
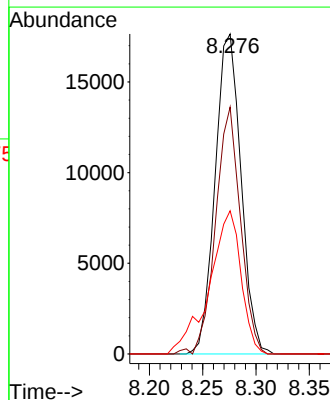
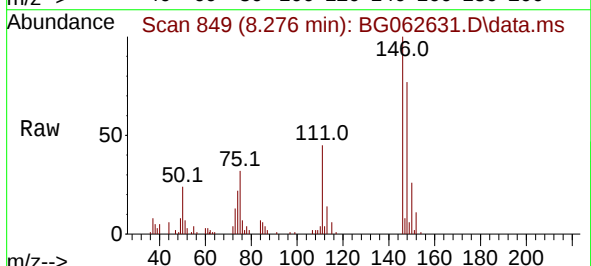
Tgt Ion:146 Resp: 29775

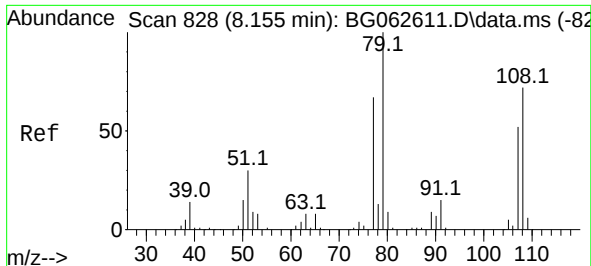
Ion Ratio Lower Upper

146 100

148 77.2 52.5 78.7

111 44.8 35.5 53.3





#15

Benzyl Alcohol

Concen: 8.022 ng

RT: 8.158 min Scan# 81

Delta R.T. 0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

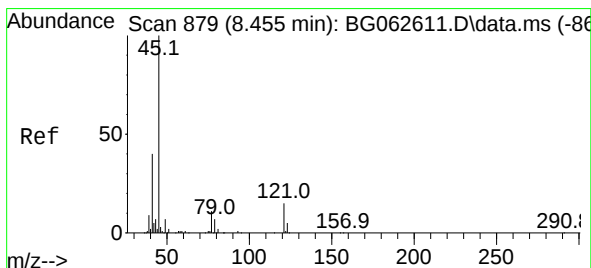
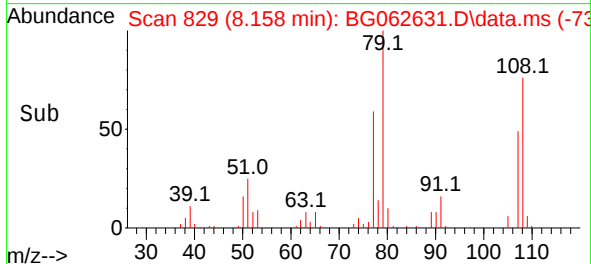
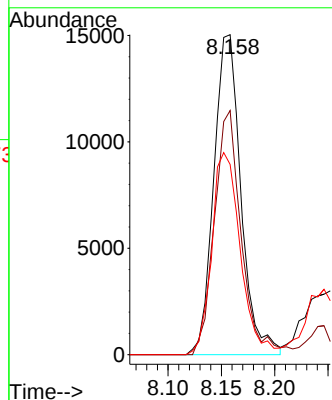
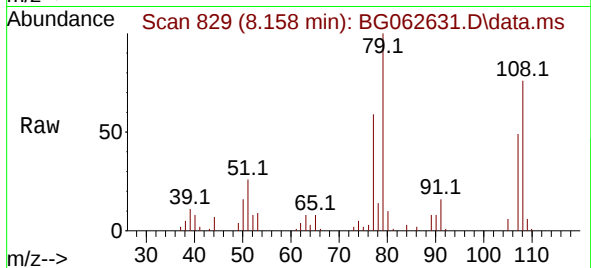
Tgt Ion: 79 Resp: 26601

Ion Ratio Lower Upper

79 100

108 76.3 57.9 86.9

77 59.5 53.4 80.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.133 ng

RT: 8.440 min Scan# 877

Delta R.T. -0.015 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

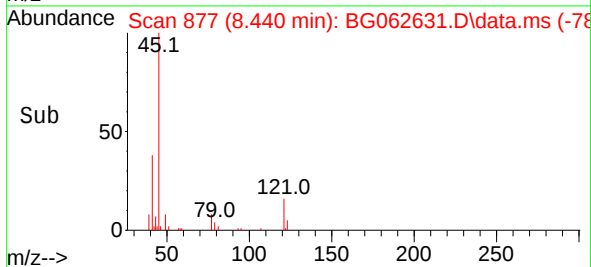
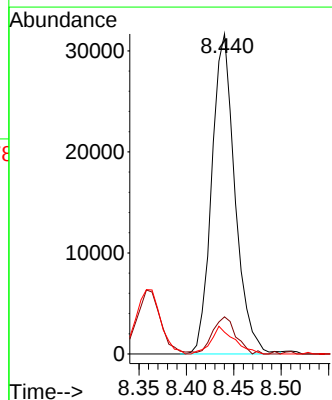
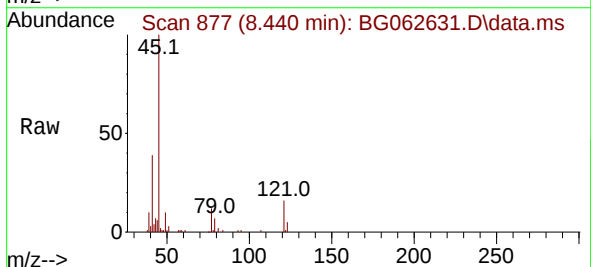
Tgt Ion: 45 Resp: 53840

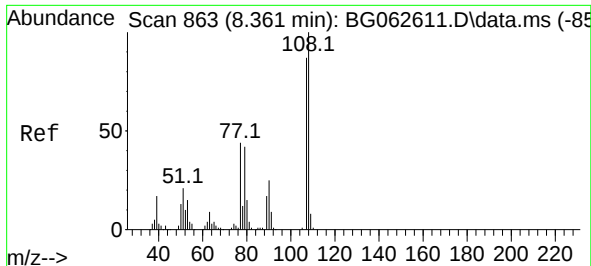
Ion Ratio Lower Upper

45 100

77 11.6 0.0 31.7

79 6.8 0.0 28.3



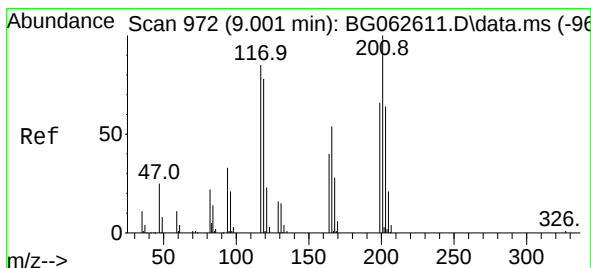
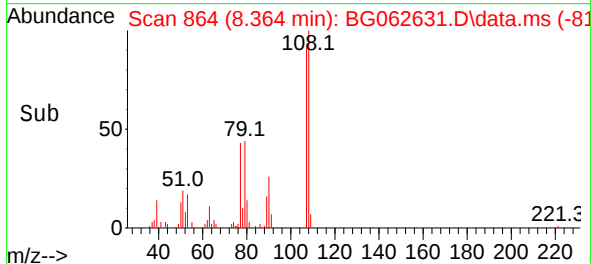
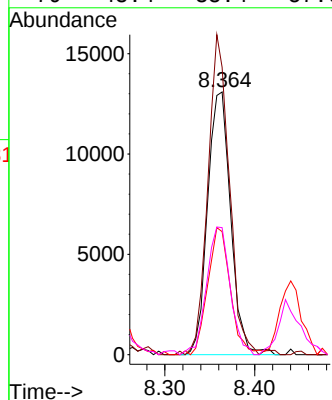
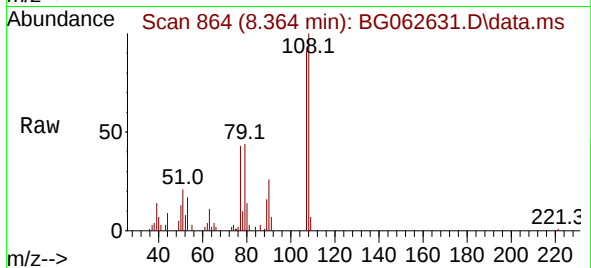


#17
2-Methylphenol
Concen: 7.401 ng
RT: 8.364 min Scan# 863
Delta R.T. 0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:107 Resp: 23405

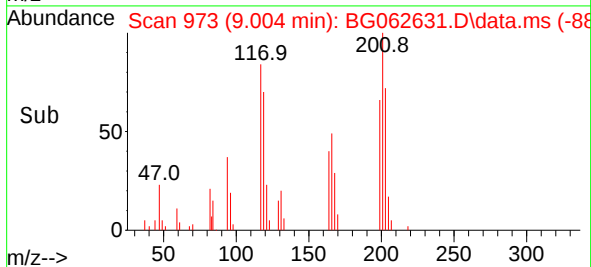
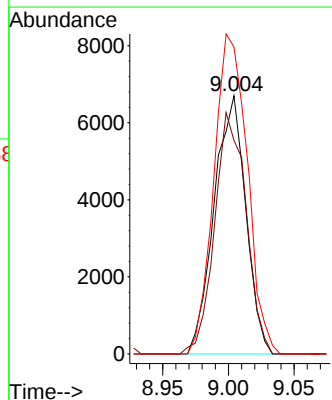
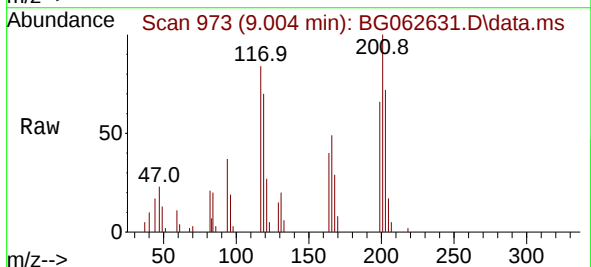
Ion	Ratio	Lower	Upper
107	100		
108	109.4	91.5	137.3
77	46.8	40.0	60.0
79	48.4	38.4	57.6

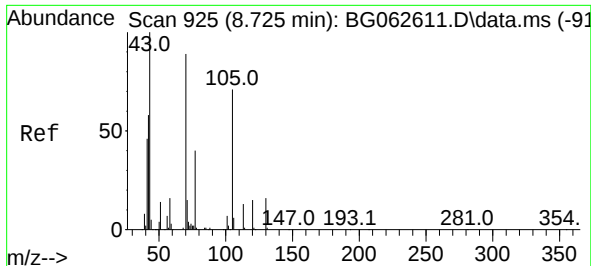


#18
Hexachloroethane
Concen: 7.947 ng
RT: 9.004 min Scan# 973
Delta R.T. 0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:117 Resp: 11208

Ion	Ratio	Lower	Upper
117	100		
119	82.7	73.4	110.0
201	118.9	93.9	140.9



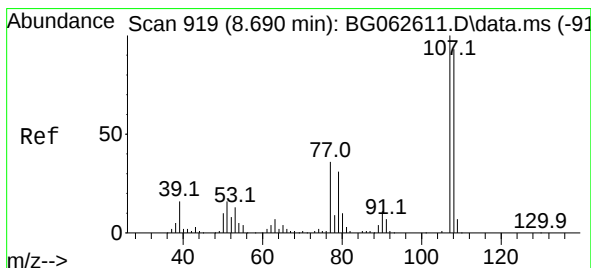
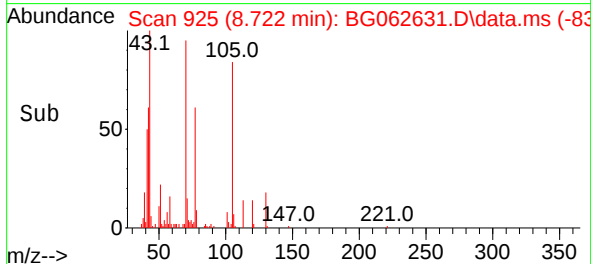
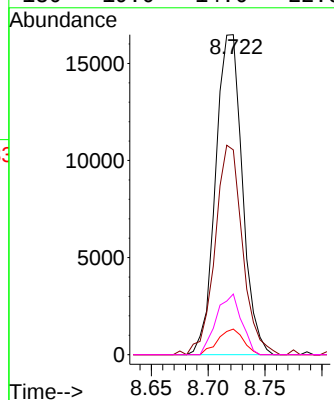
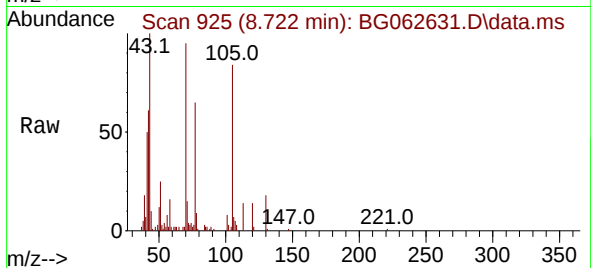


#19
n-Nitroso-di-n-propylamine
Concen: 7.641 ng
RT: 8.722 min Scan# 919
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 70 Resp: 26983

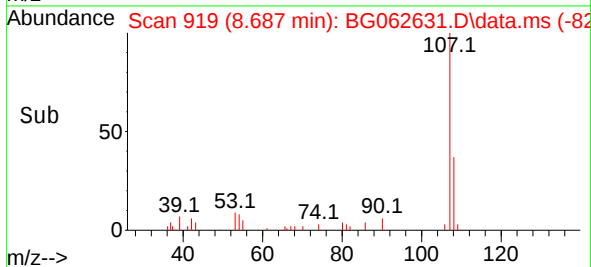
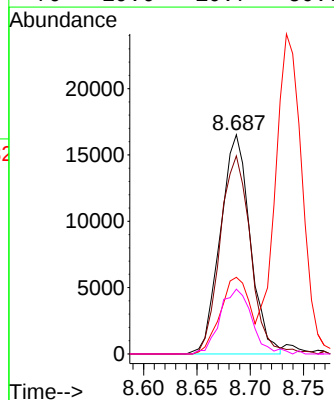
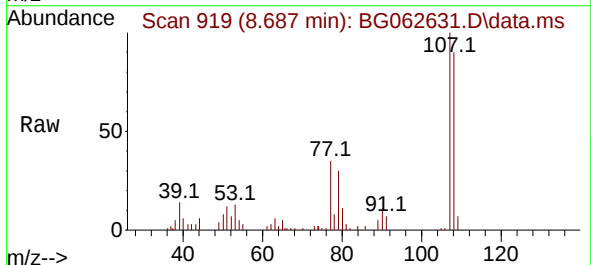
Ion	Ratio	Lower	Upper
70	100		
42	64.0	52.3	78.5
101	8.0	6.6	9.8
130	19.0	14.6	22.0

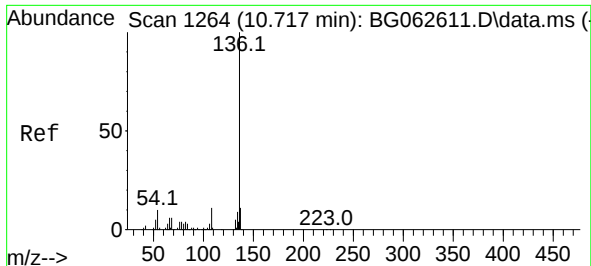


#20
3+4-Methylphenols
Concen: 6.878 ng
RT: 8.687 min Scan# 919
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion: 107 Resp: 32091

Ion	Ratio	Lower	Upper
107	100		
108	90.4	72.7	112.7
77	35.0	16.5	56.5
79	29.6	10.7	50.7

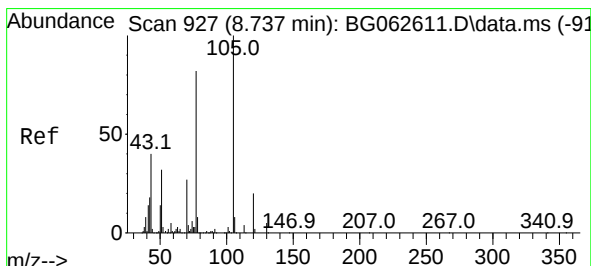
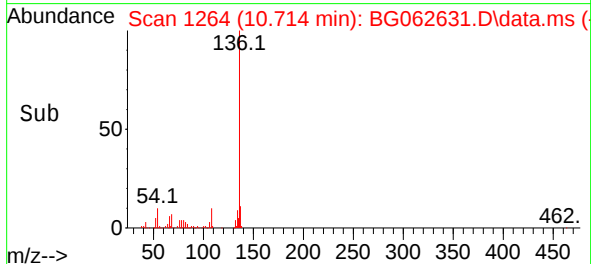
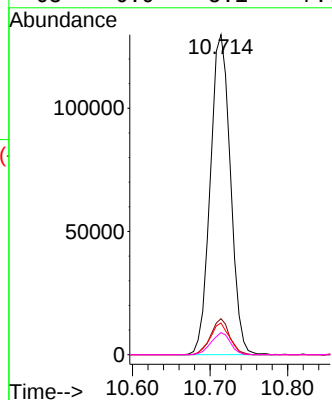
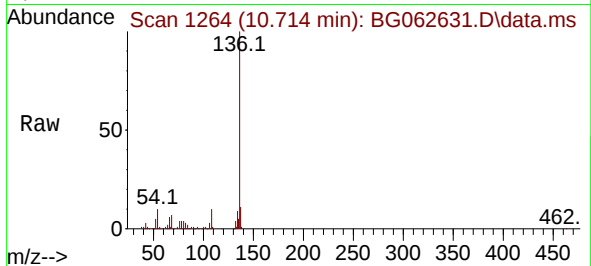




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.714 min Scan# 1264
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

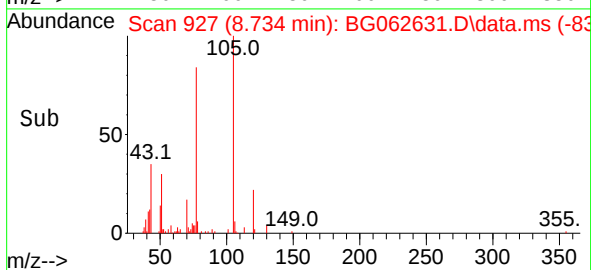
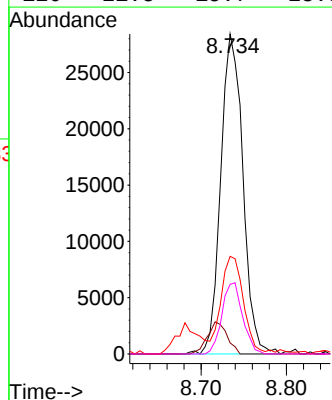
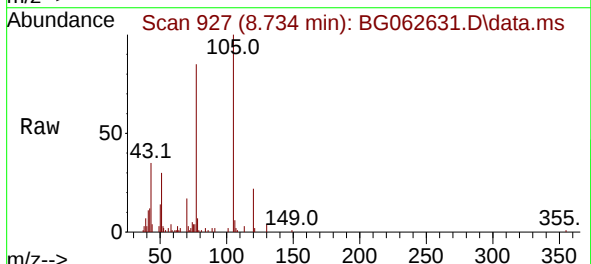
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

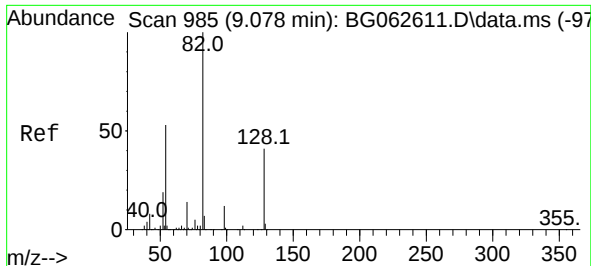
Tgt Ion:	136	Resp:	234147
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	9.9	7.8	11.6
68	6.9	5.1	7.7



#22
Acetophenone
Concen: 8.124 ng
RT: 8.734 min Scan# 927
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:	105	Resp:	51315
Ion Ratio	Lower	Upper	
105	100		
71	3.4	3.5	5.3#
51	30.5	25.7	38.5
120	21.8	15.7	23.5





#23

Nitrobenzene-d5

Concen: 91.893 ng

RT: 9.075 min Scan# 91

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

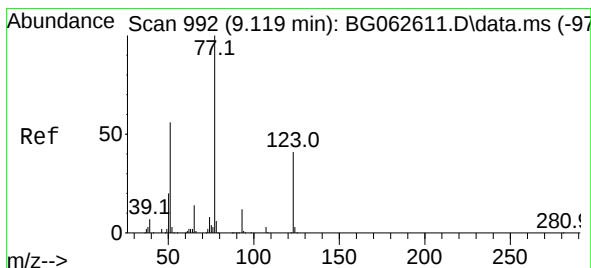
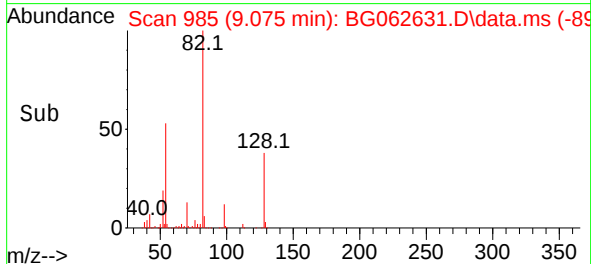
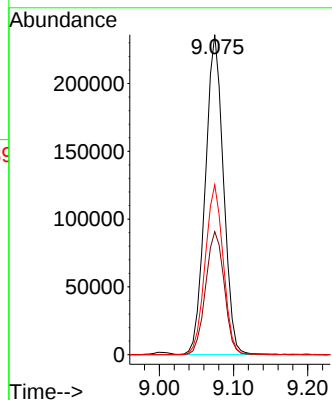
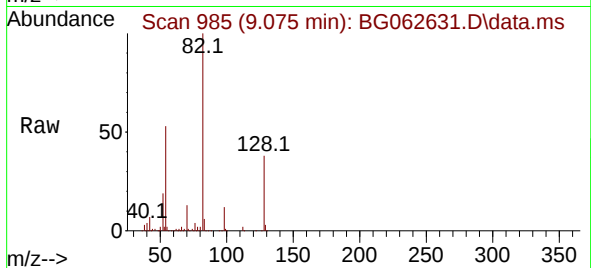
Tgt Ion: 82 Resp: 399518

Ion Ratio Lower Upper

82 100

128 38.5 32.5 48.7

54 53.1 42.5 63.7



#24

Nitrobenzene

Concen: 8.340 ng

RT: 9.116 min Scan# 992

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

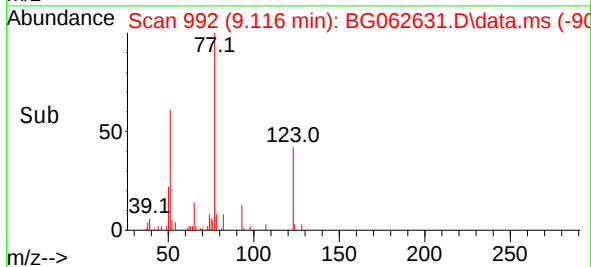
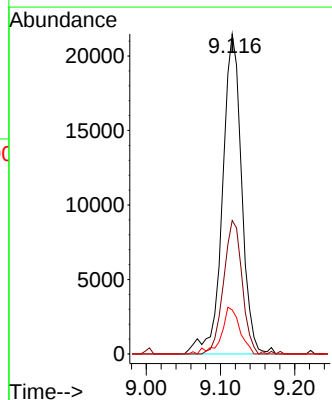
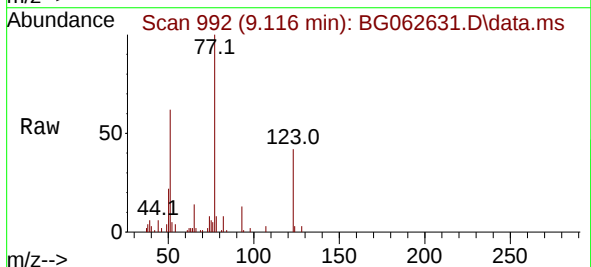
Tgt Ion: 77 Resp: 38554

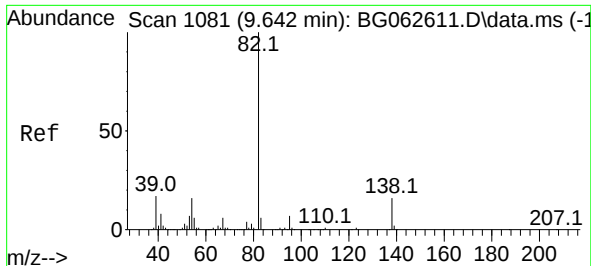
Ion Ratio Lower Upper

77 100

123 41.7 33.1 49.7

65 13.7 11.0 16.4





#25

Isophorone

Concen: 8.092 ng

RT: 9.633 min Scan# 1108

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

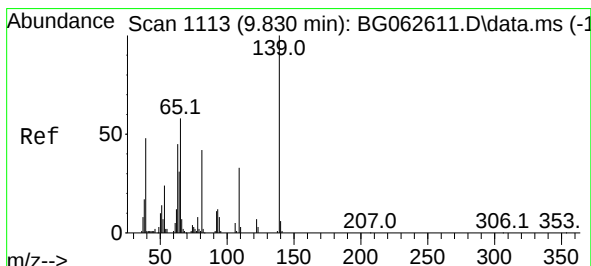
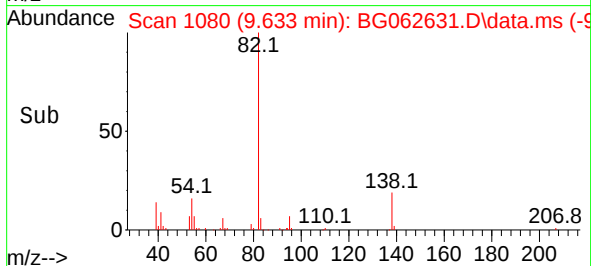
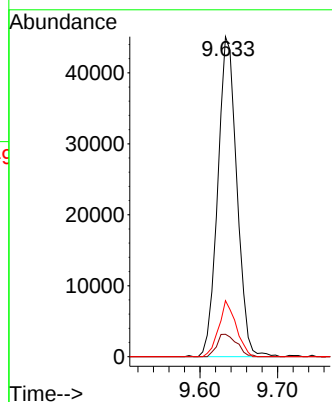
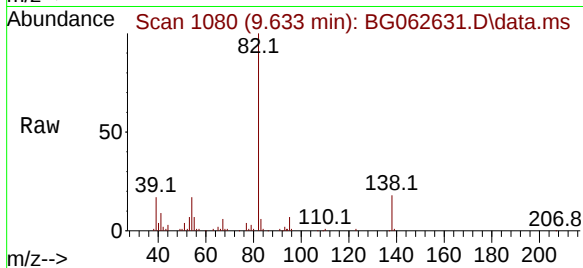
Tgt Ion: 82 Resp: 77227

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.0

138 17.5 12.6 18.8



#26

2-Nitrophenol

Concen: 8.228 ng

RT: 9.821 min Scan# 1112

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

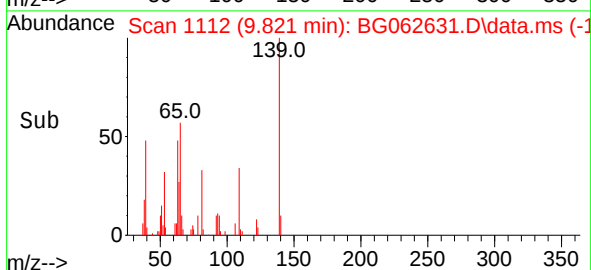
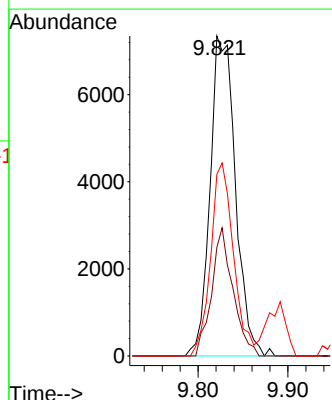
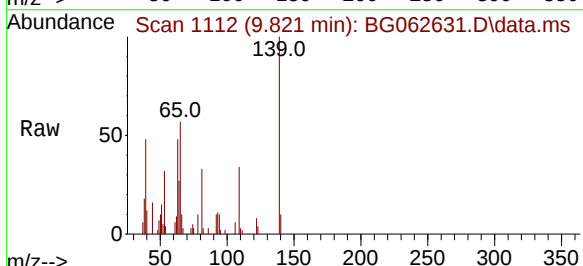
Tgt Ion:139 Resp: 14371

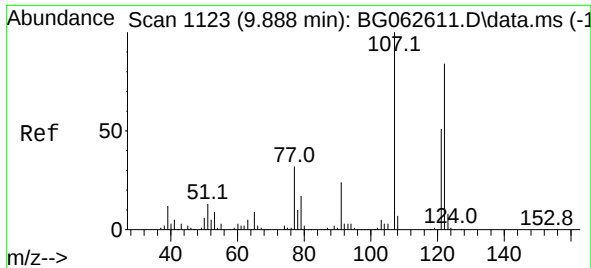
Ion Ratio Lower Upper

139 100

109 33.9 26.6 39.8

65 56.8 46.5 69.7





#27

2,4-Dimethylphenol

Concen: 6.030 ng

RT: 9.885 min Scan# 1123

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

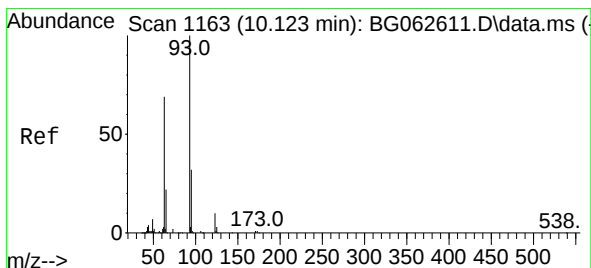
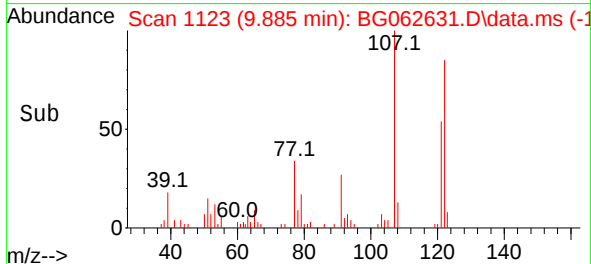
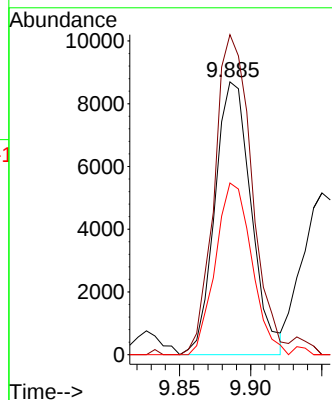
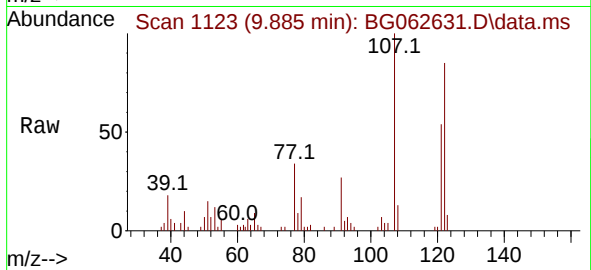
Tgt Ion:122 Resp: 15432

Ion Ratio Lower Upper

122 100

107 117.3 95.8 143.6

121 62.9 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 8.393 ng

RT: 10.120 min Scan# 1163

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

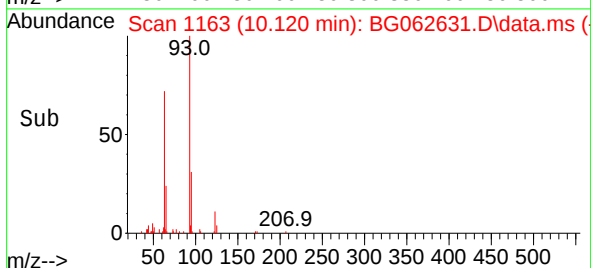
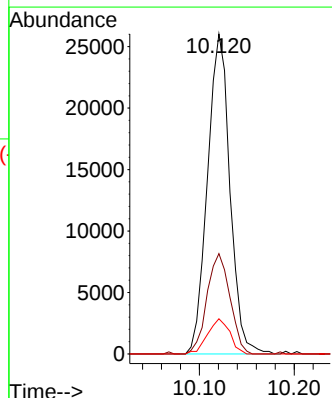
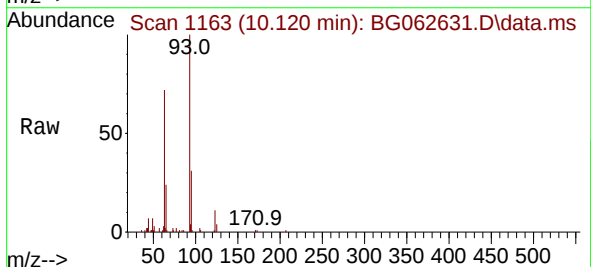
Tgt Ion: 93 Resp: 42881

Ion Ratio Lower Upper

93 100

95 31.4 25.4 38.0

123 11.0 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 7.974 ng

RT: 10.361 min Scan# 1204

Delta R.T. -0.003 min

Lab File: BG062631.D

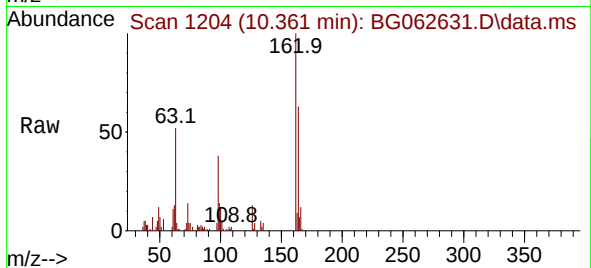
Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



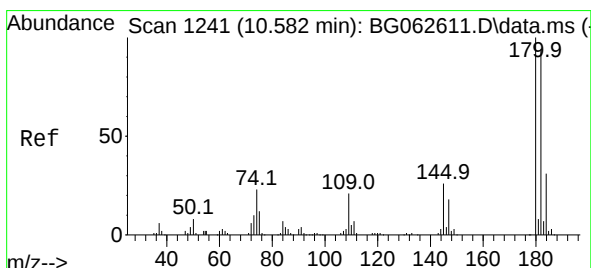
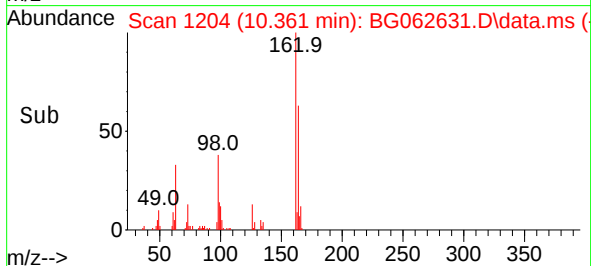
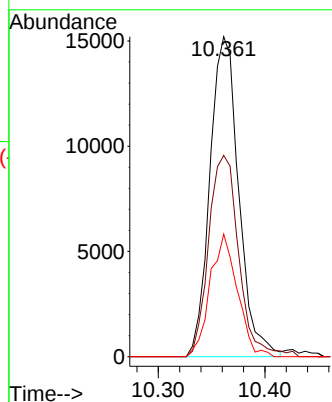
Tgt Ion:162 Resp: 28532

Ion Ratio Lower Upper

162 100

164 62.9 46.8 86.8

98 38.3 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 8.352 ng

RT: 10.579 min Scan# 1241

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

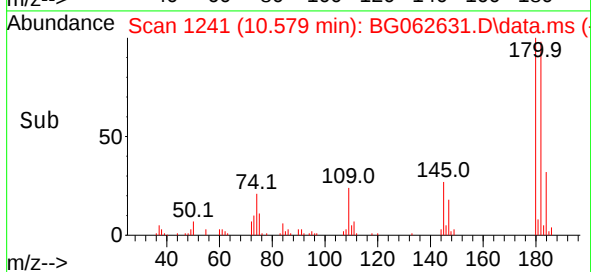
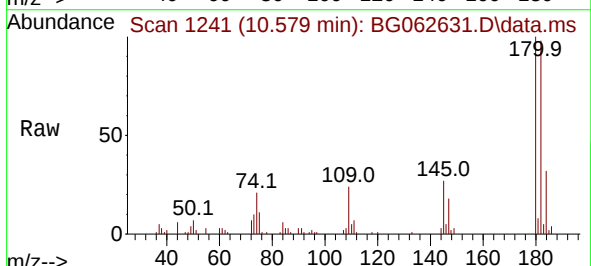
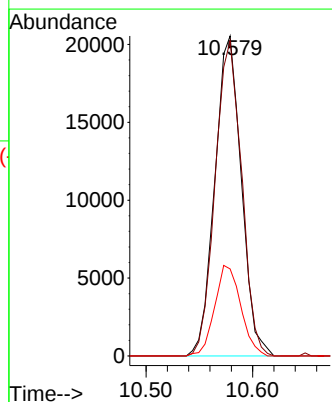
Tgt Ion:180 Resp: 35428

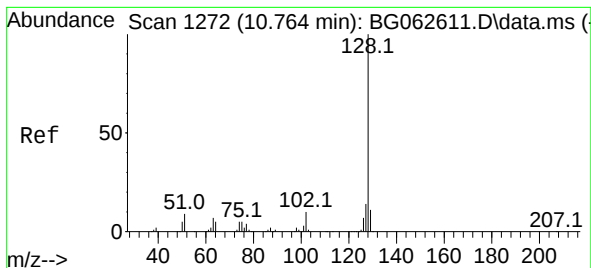
Ion Ratio Lower Upper

180 100

182 98.5 75.1 112.7

145 27.2 20.8 31.2





#31

Naphthalene

Concen: 8.632 ng

RT: 10.767 min Scan# 11

Delta R.T. 0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

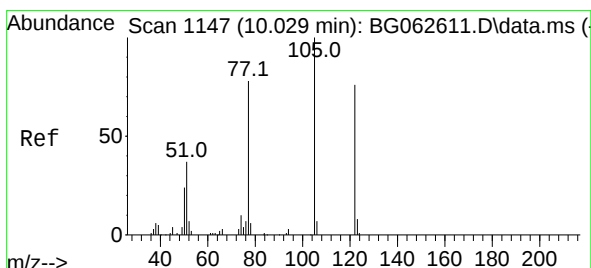
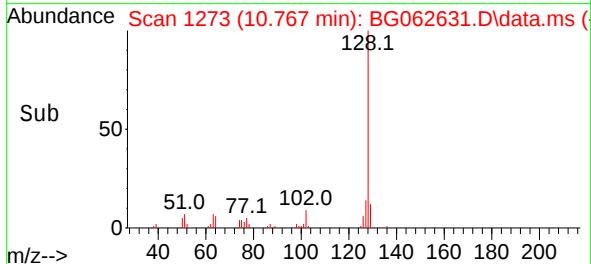
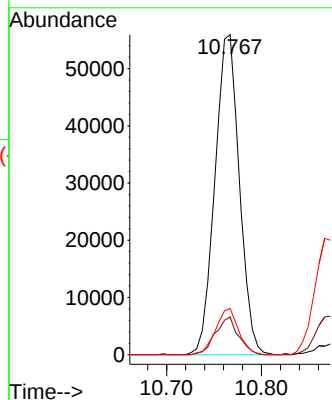
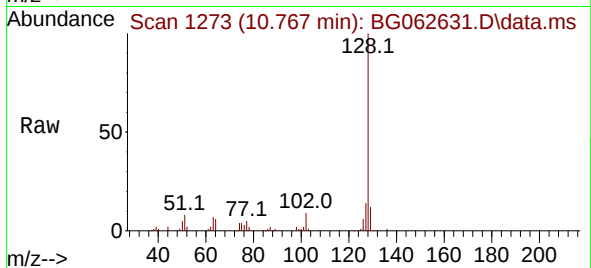
Tgt Ion:128 Resp: 100179

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

127 14.5 11.3 16.9



#32

Benzoic acid

Concen: 3.815 ng

RT: 9.950 min Scan# 1134

Delta R.T. -0.079 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

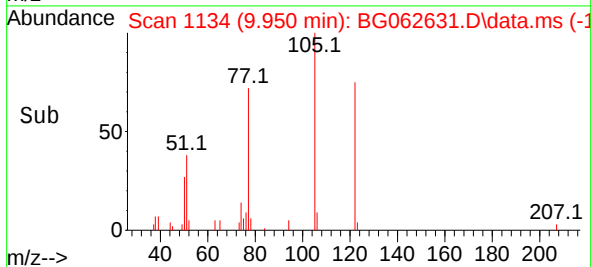
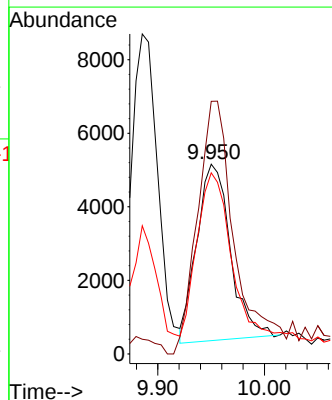
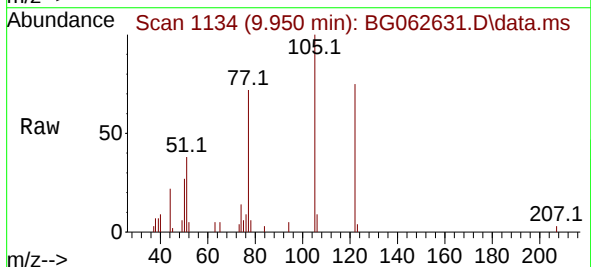
Tgt Ion:122 Resp: 10500

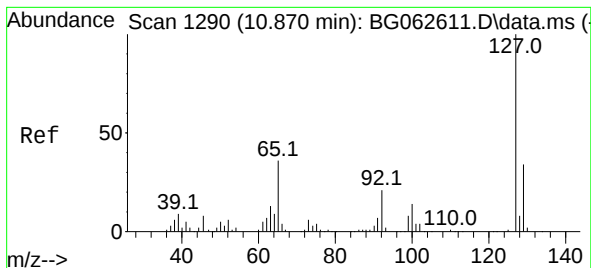
Ion Ratio Lower Upper

122 100

105 133.1 105.7 145.7

77 95.4 79.9 119.9

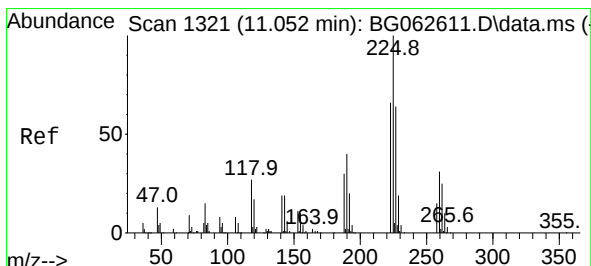
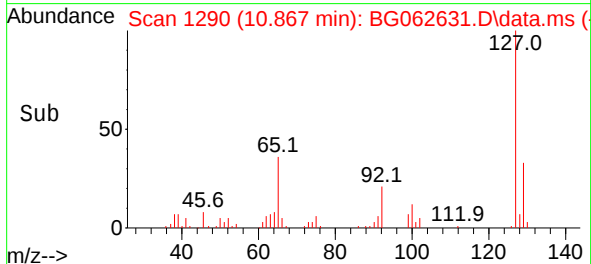
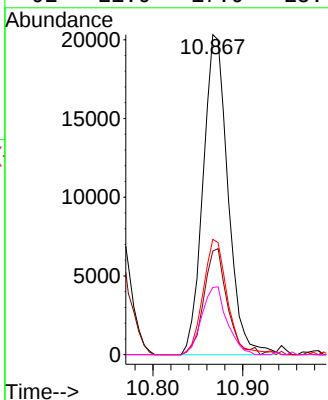
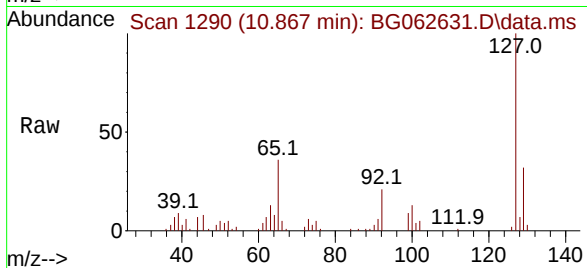




#33
4-Chloroaniline
Concen: 8.583 ng
RT: 10.867 min Scan# 1290
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

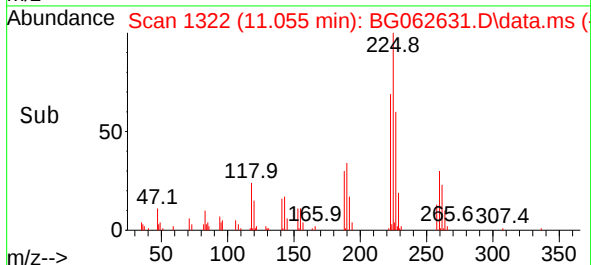
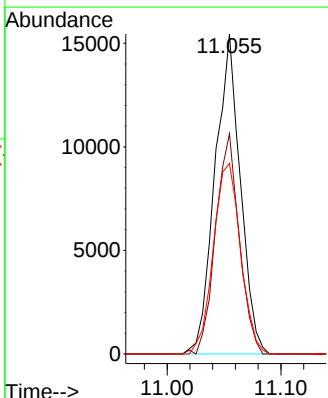
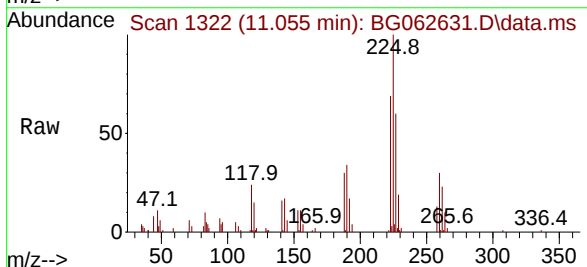
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

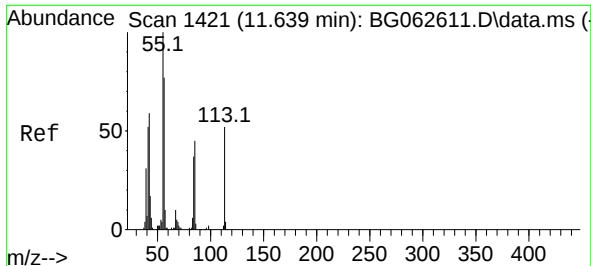
Tgt Ion:	127	Resp:	39201
Ion	Ratio	Lower	Upper
127	100		
129	32.4	27.3	40.9
65	36.1	29.0	43.4
92	21.0	17.0	25.4



#34
Hexachlorobutadiene
Concen: 8.068 ng
RT: 11.055 min Scan# 1322
Delta R.T. 0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:	225	Resp:	23902
Ion	Ratio	Lower	Upper
225	100		
223	69.2	50.1	75.1
227	57.2	48.9	73.3





#35

Caprolactam

Concen: 7.790 ng

RT: 11.613 min Scan# 1417

Delta R.T. -0.026 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

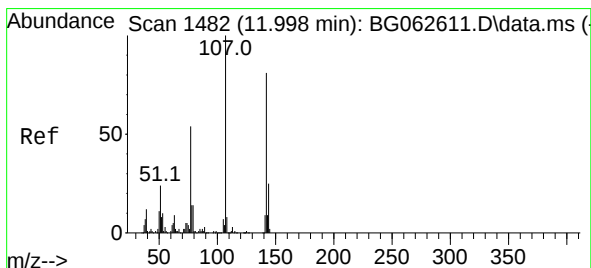
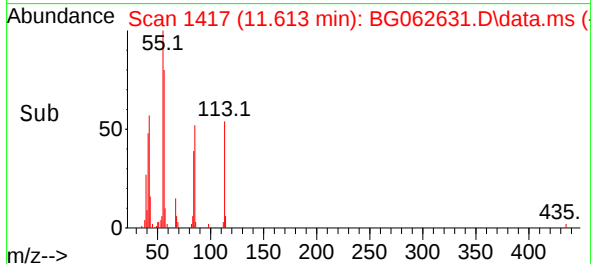
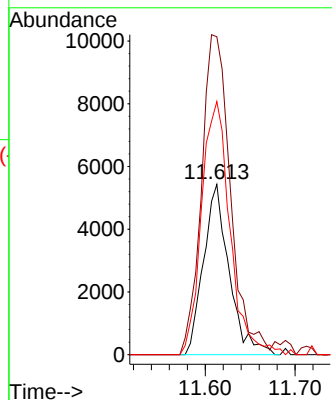
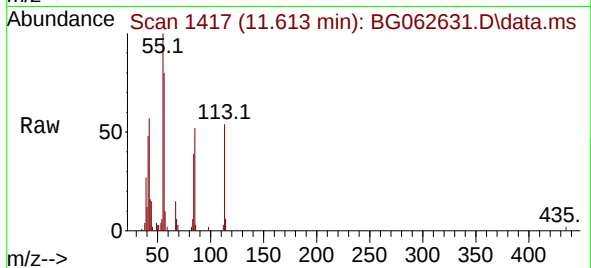
Tgt Ion:113 Resp: 10746

Ion Ratio Lower Upper

113 100

55 186.7 174.1 214.1

56 148.7 129.8 169.8



#36

4-Chloro-3-methylphenol

Concen: 7.964 ng

RT: 11.989 min Scan# 1481

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

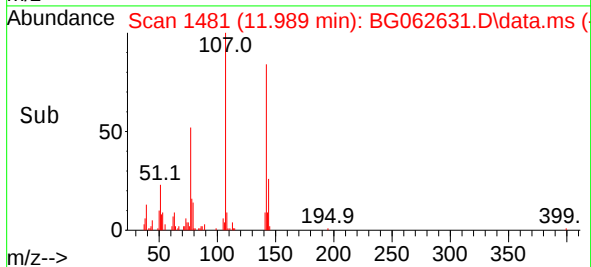
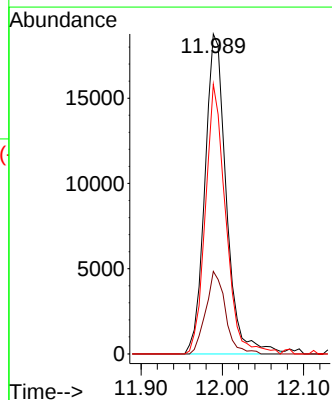
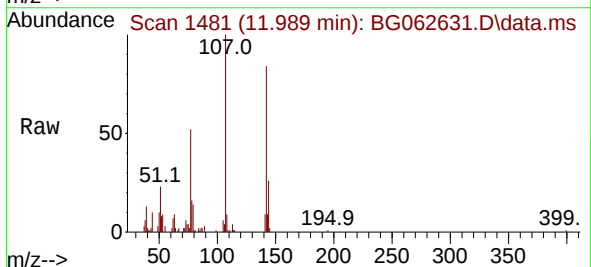
Tgt Ion:107 Resp: 34376

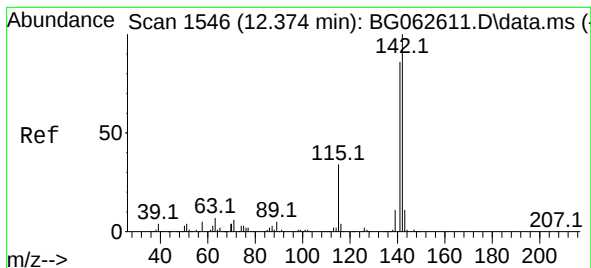
Ion Ratio Lower Upper

107 100

144 25.8 19.8 29.8

142 84.3 64.7 97.1





#37

2-Methylnaphthalene

Concen: 8.364 ng

RT: 12.371 min Scan# 1546

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

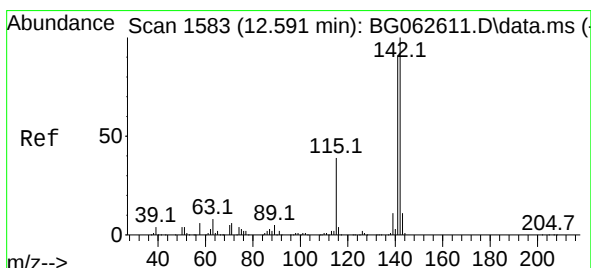
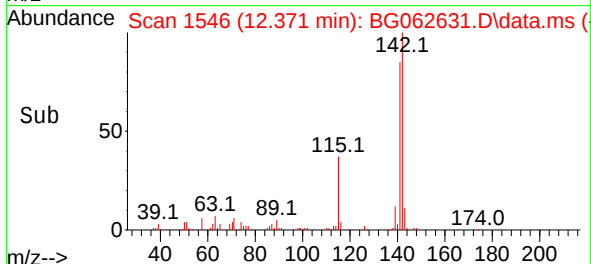
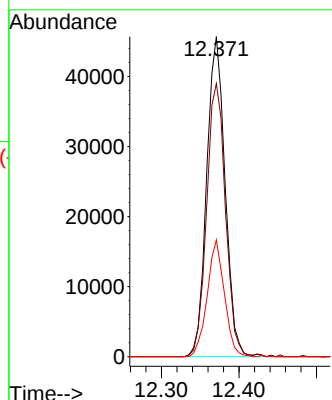
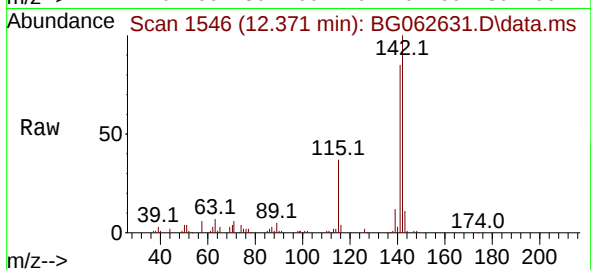
Tgt Ion:142 Resp: 75293

Ion Ratio Lower Upper

142 100

141 85.3 68.9 103.3

115 36.5 27.5 41.3



#38

1-Methylnaphthalene

Concen: 7.731 ng

RT: 12.588 min Scan# 1583

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

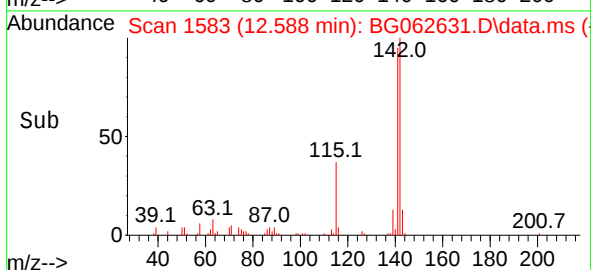
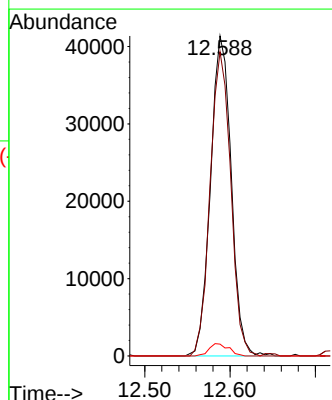
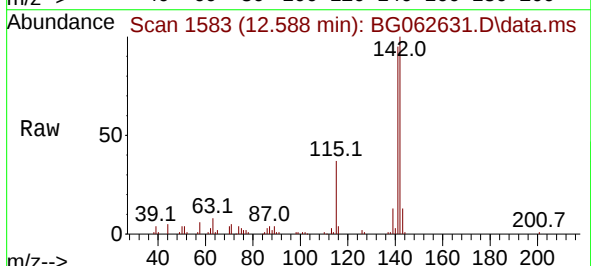
Tgt Ion:142 Resp: 69880

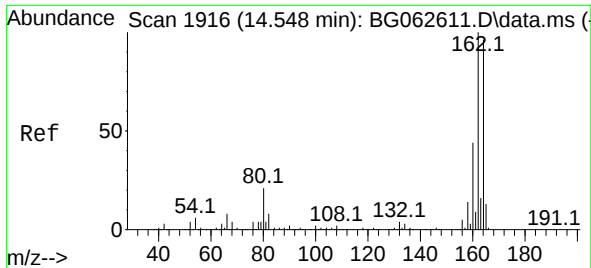
Ion Ratio Lower Upper

142 100

141 95.0 73.0 109.4

116 3.7 3.2 4.8

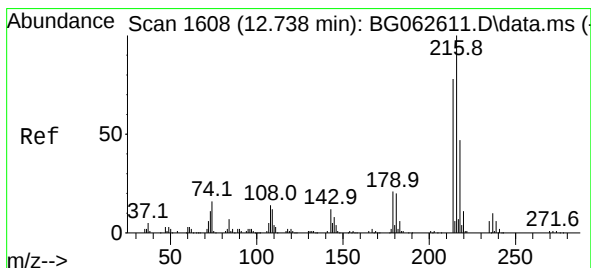
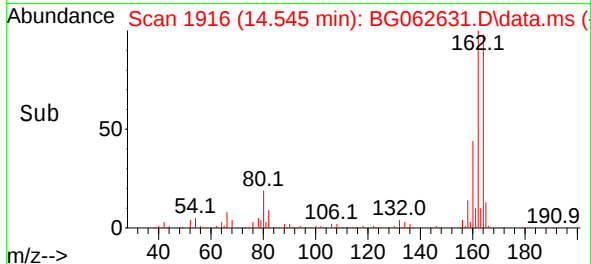
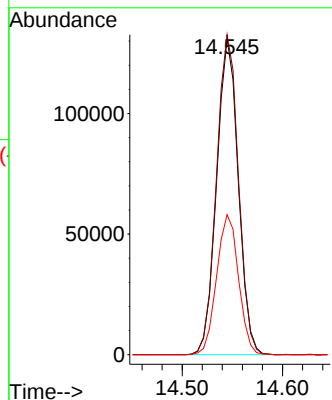
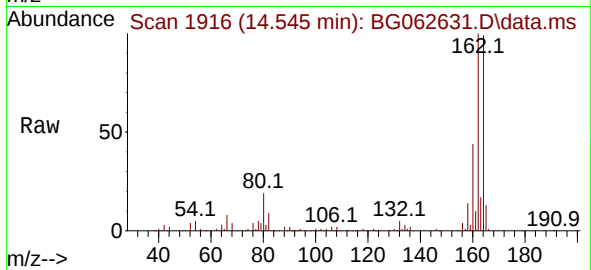




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1916
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

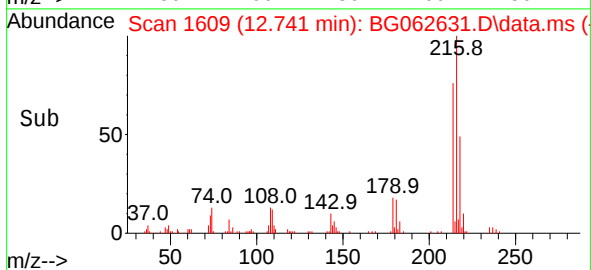
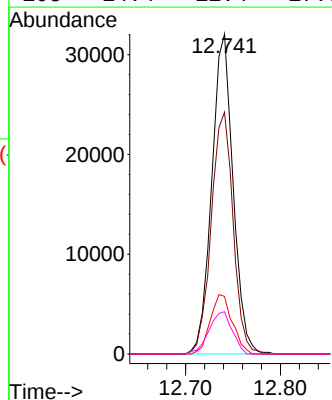
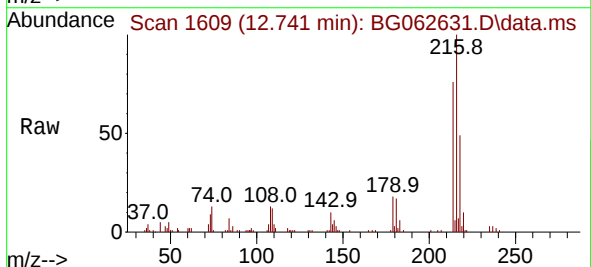
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

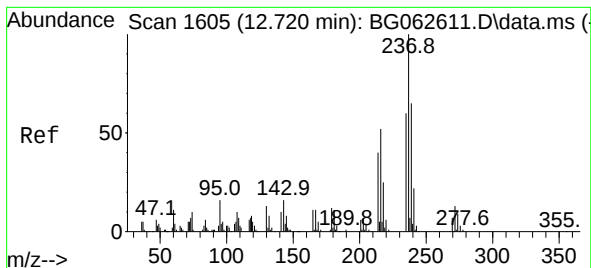
Tgt Ion:164 Resp: 195698
Ion Ratio Lower Upper
164 100
162 101.3 83.1 124.7
160 44.3 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.515 ng
RT: 12.741 min Scan# 1609
Delta R.T. 0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:216 Resp: 50112
Ion Ratio Lower Upper
216 100
214 77.2 61.6 92.4
179 19.1 15.9 23.9
108 14.4 11.4 17.0

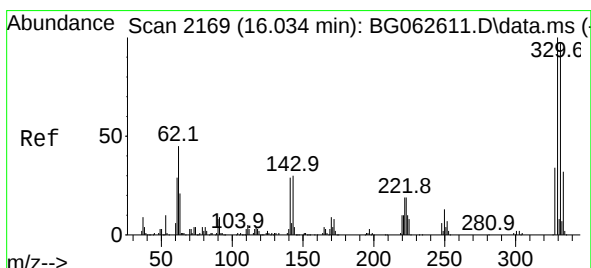
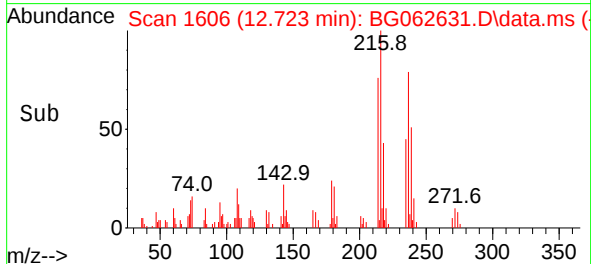
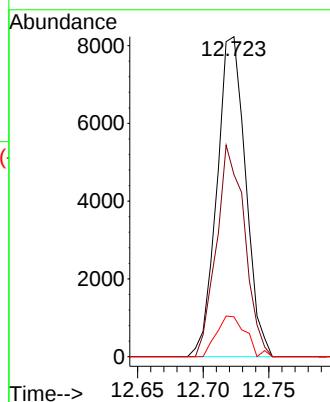
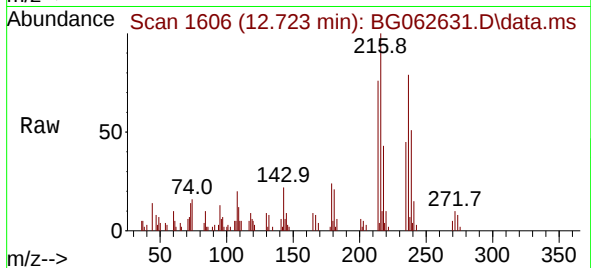




#41
Hexachlorocyclopentadiene
Concen: 7.434 ng
RT: 12.723 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

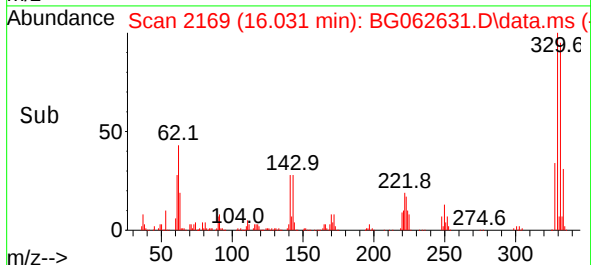
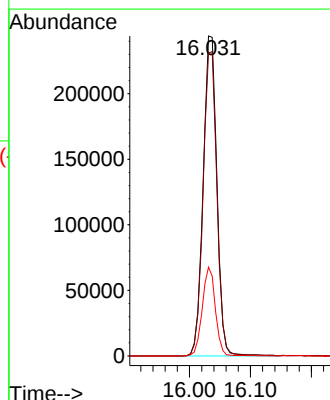
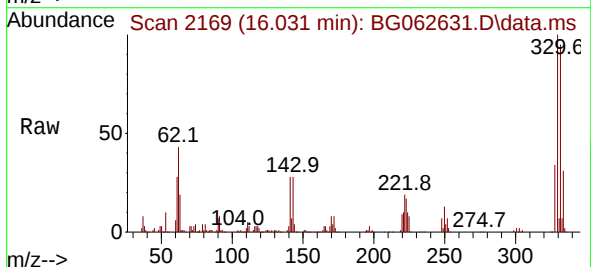
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

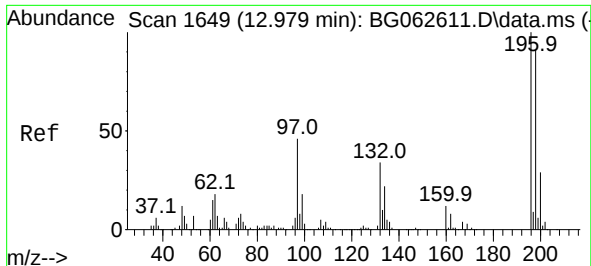
Tgt Ion:237 Resp: 12483
Ion Ratio Lower Upper
237 100
235 56.9 40.4 80.4
272 12.4 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 139.227 ng
RT: 16.031 min Scan# 2169
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:330 Resp: 383444
Ion Ratio Lower Upper
330 100
332 95.4 77.2 115.8
141 26.2 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 8.218 ng

RT: 12.976 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

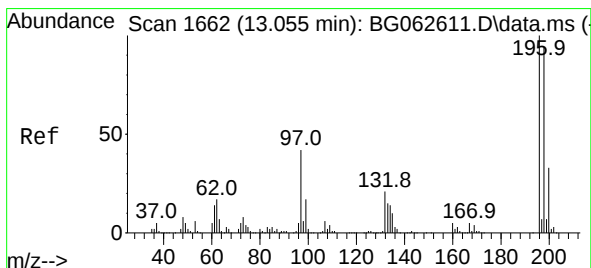
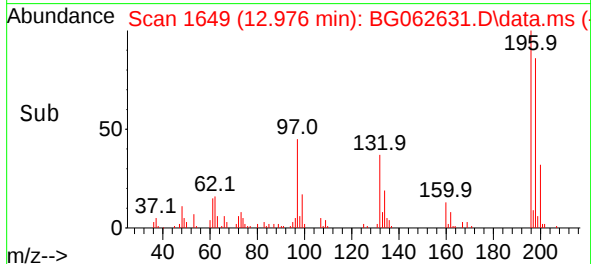
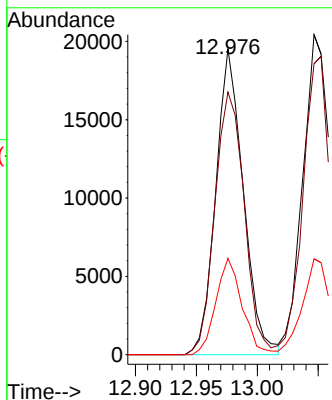
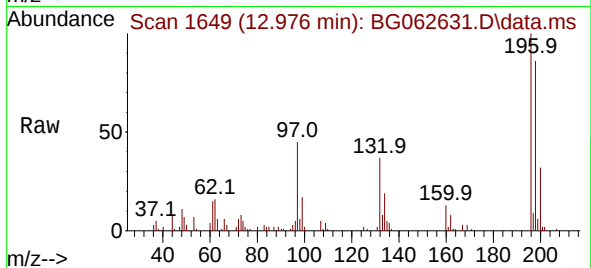
Tgt Ion:196 Resp: 30660

Ion Ratio Lower Upper

196 100

198 85.9 72.8 109.2

200 31.5 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 8.065 ng

RT: 13.046 min Scan# 1661

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Tgt Ion:196 Resp: 34076

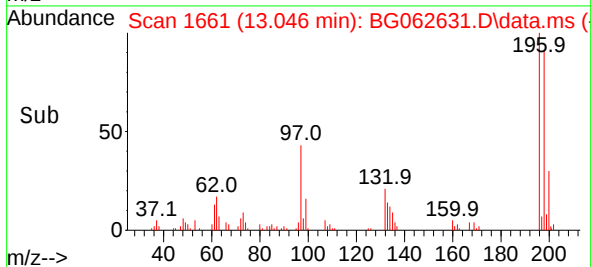
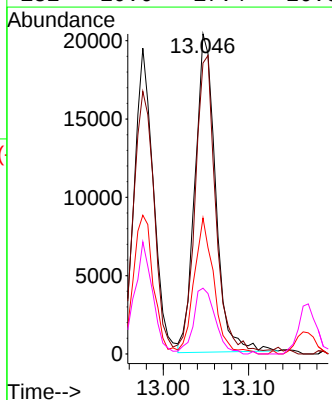
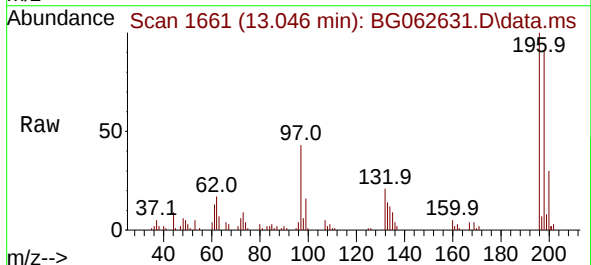
Ion Ratio Lower Upper

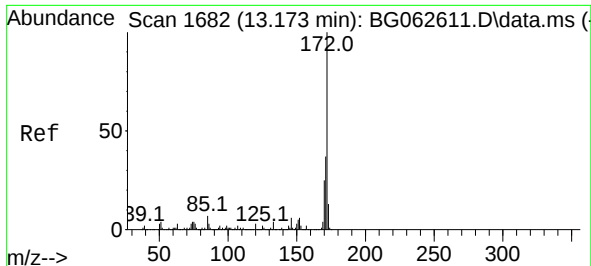
196 100

198 90.9 75.5 113.3

97 42.5 34.1 51.1

132 20.6 17.4 26.0





#45

2-Fluorobiphenyl

Concen: 91.006 ng

RT: 13.170 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

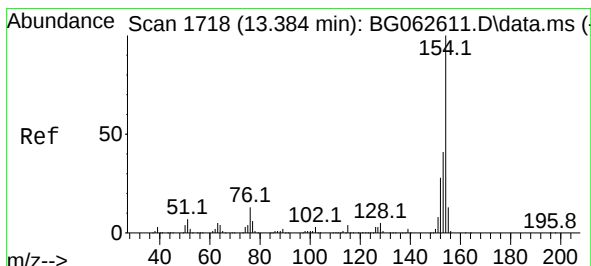
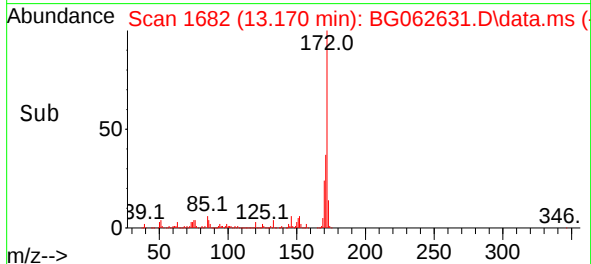
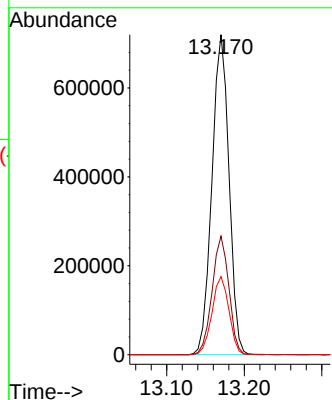
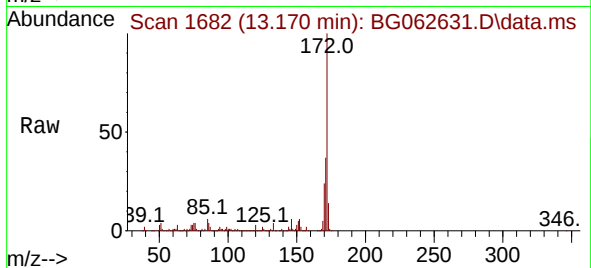
Tgt Ion:172 Resp: 1099513

Ion Ratio Lower Upper

172 100

171 37.1 29.7 44.5

170 24.4 20.0 30.0



#46

1,1'-Biphenyl

Concen: 8.743 ng

RT: 13.376 min Scan# 1717

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

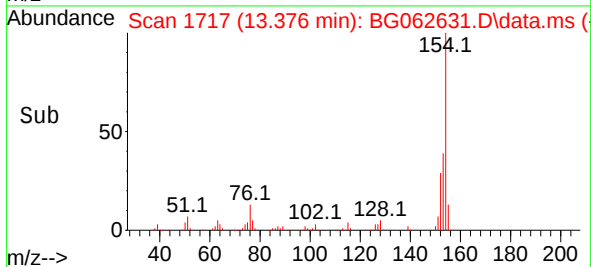
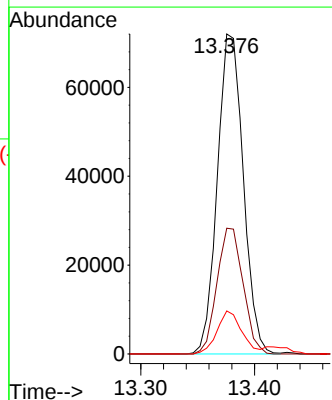
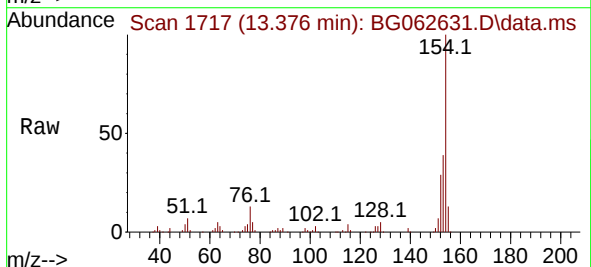
Tgt Ion:154 Resp: 114152

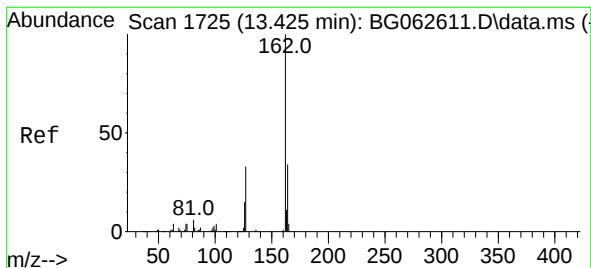
Ion Ratio Lower Upper

154 100

153 39.3 20.8 60.8

76 13.5 0.0 33.4





#47

2-Chloronaphthalene

Concen: 8.224 ng

RT: 13.422 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

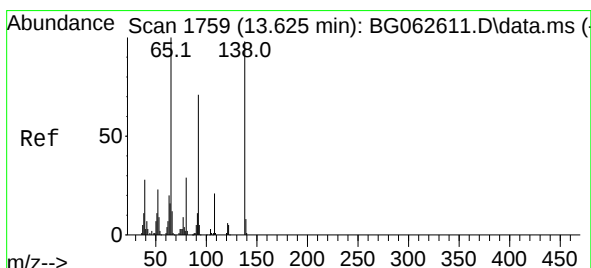
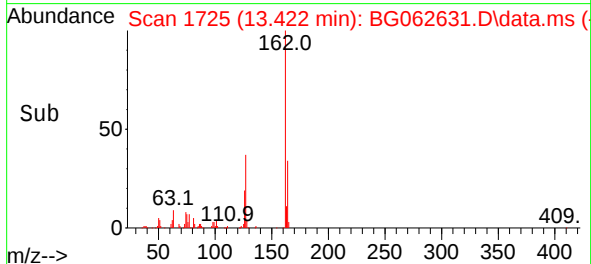
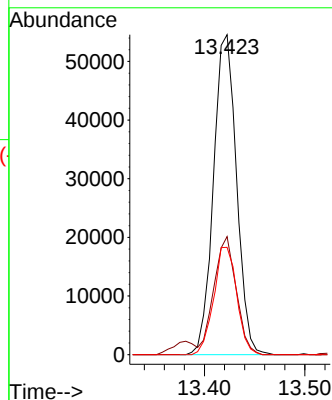
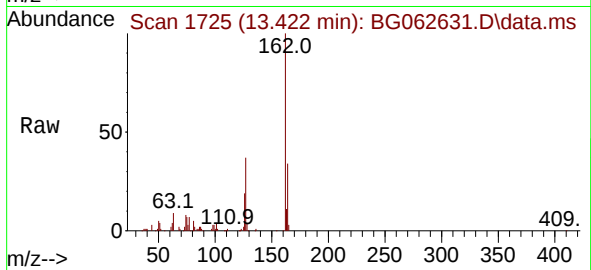
Tgt Ion:162 Resp: 87021

Ion Ratio Lower Upper

162 100

127 36.9 28.7 43.1

164 33.5 26.9 40.3



#48

2-Nitroaniline

Concen: 7.792 ng

RT: 13.616 min Scan# 1758

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

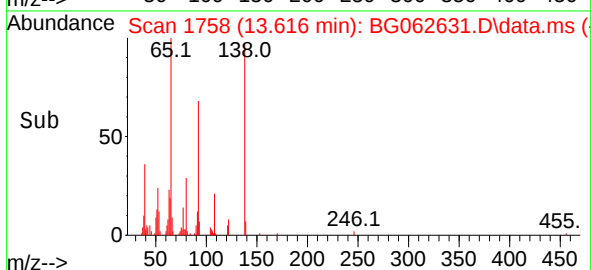
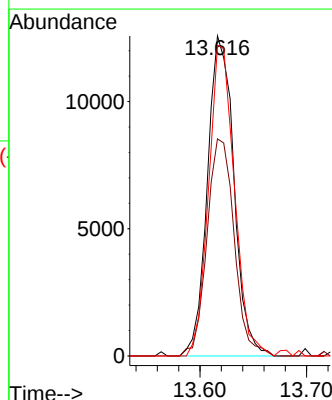
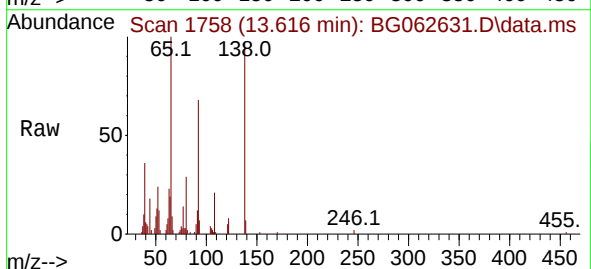
Tgt Ion: 65 Resp: 21685

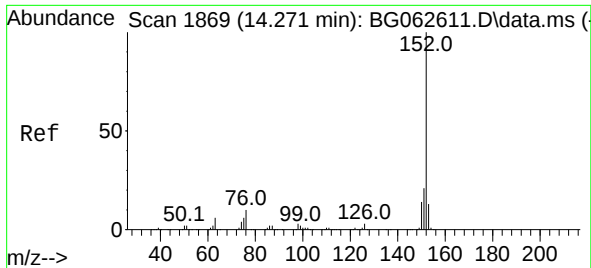
Ion Ratio Lower Upper

65 100

92 67.8 56.6 84.8

138 97.2 78.7 118.1

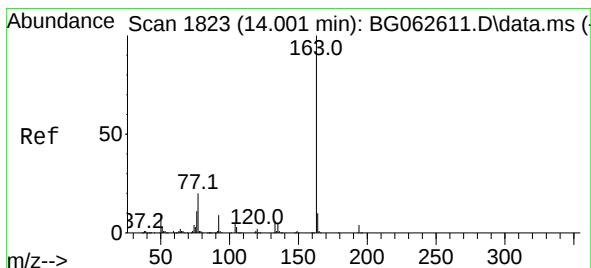
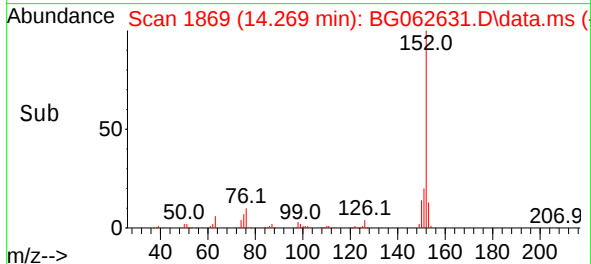
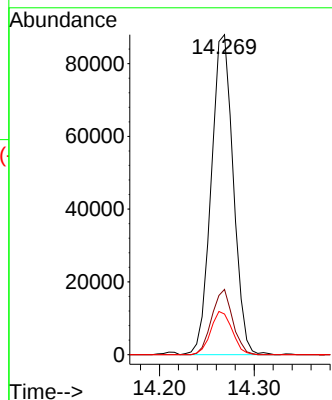
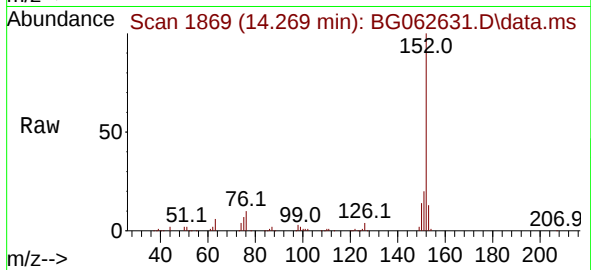




#49
Acenaphthylene
Concen: 9.041 ng
RT: 14.269 min Scan# 1869
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

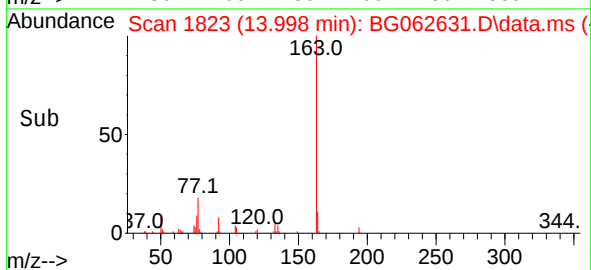
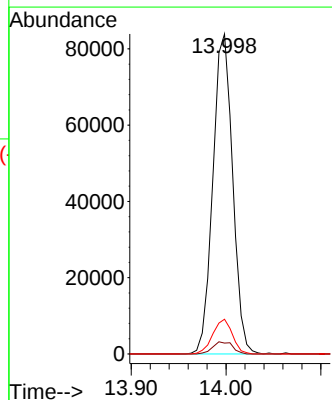
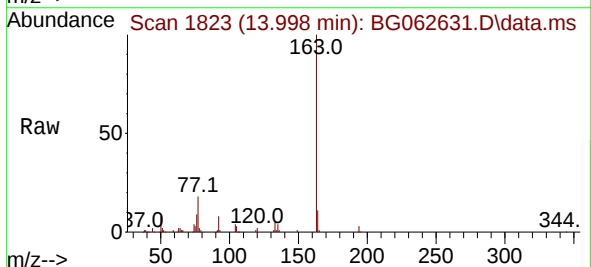
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

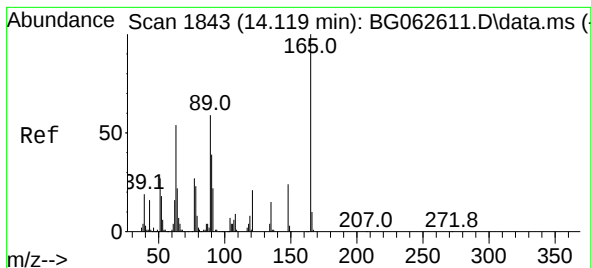
Tgt Ion:152 Resp: 141670
Ion Ratio Lower Upper
152 100
151 20.4 16.6 24.8
153 12.7 10.2 15.4



#50
Dimethylphthalate
Concen: 8.502 ng
RT: 13.998 min Scan# 1823
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:163 Resp: 121660
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 10.9 8.3 12.5

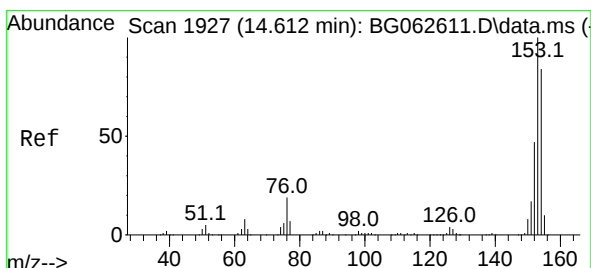
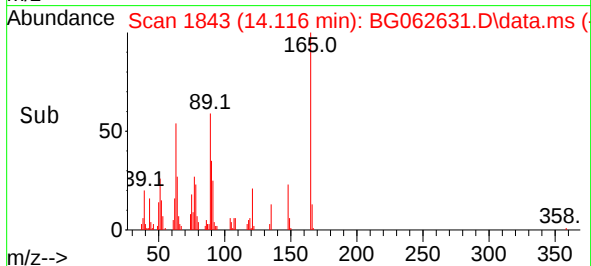
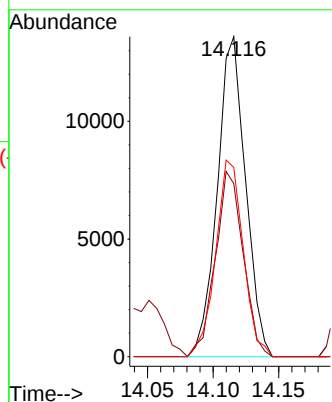
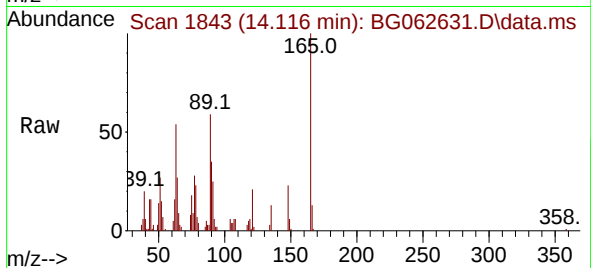




#51
2,6-Dinitrotoluene
Concen: 7.522 ng
RT: 14.116 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

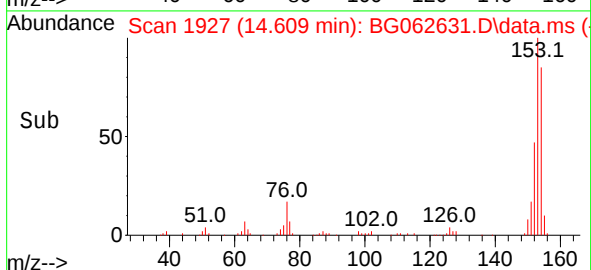
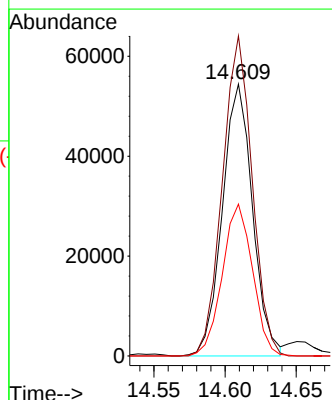
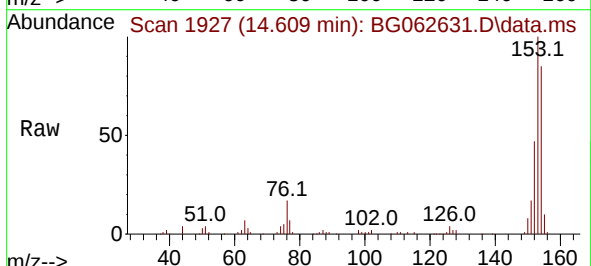
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:165 Resp: 20359
Ion Ratio Lower Upper
165 100
63 54.0 46.6 69.8
89 59.2 47.2 70.8



#52
Acenaphthene
Concen: 8.217 ng
RT: 14.609 min Scan# 1927
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:154 Resp: 80486
Ion Ratio Lower Upper
154 100
153 117.7 95.0 142.4
152 55.8 45.0 67.6

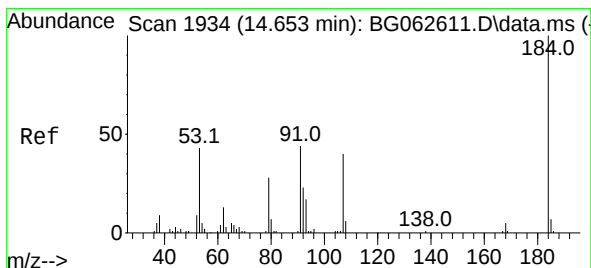
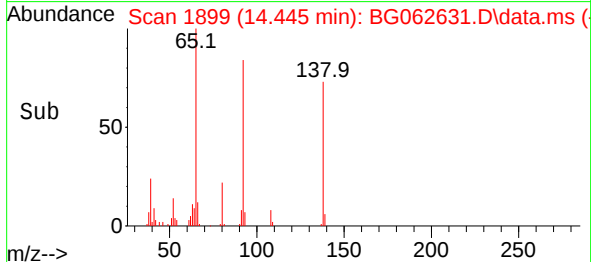
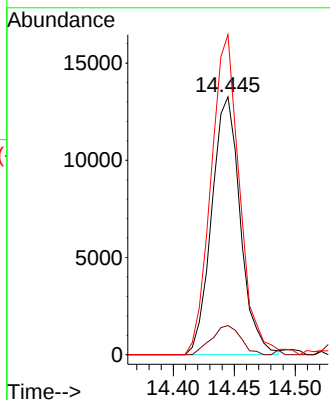
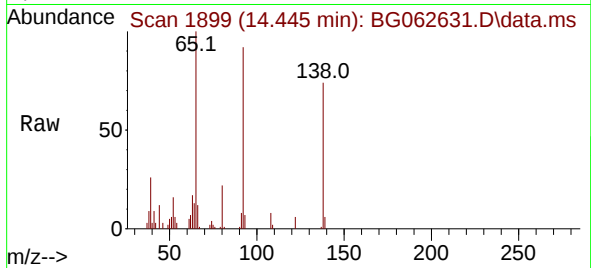




#53
3-Nitroaniline
Concen: 8.271 ng
RT: 14.445 min Scan# 1899
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

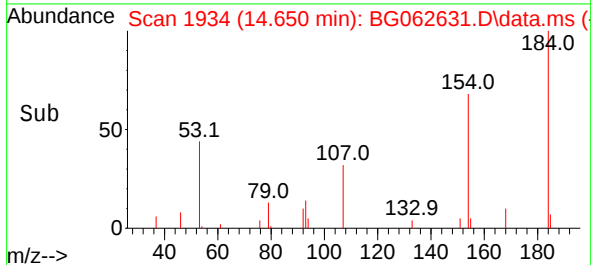
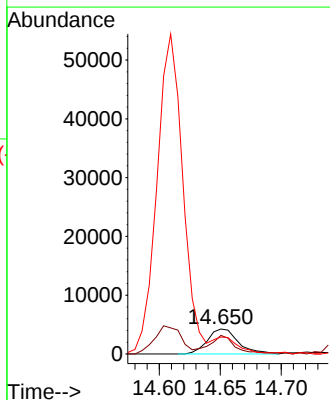
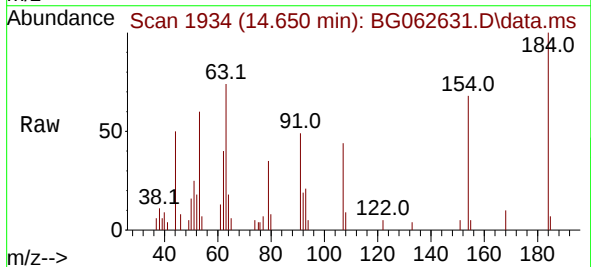
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

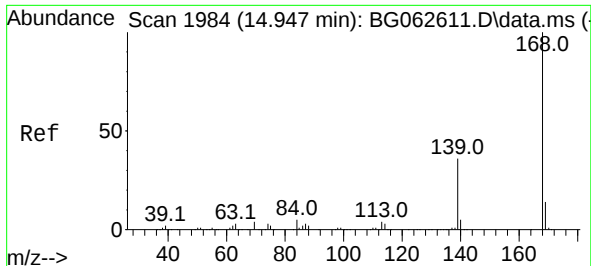
Tgt Ion:138 Resp: 21661
Ion Ratio Lower Upper
138 100
108 11.3 8.6 13.0
92 124.1 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 4.918 ng
RT: 14.650 min Scan# 1934
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:184 Resp: 7470
Ion Ratio Lower Upper
184 100
63 74.2 49.0 73.4#
154 67.6 50.5 75.7





#55

Dibenzofuran

Concen: 8.773 ng

RT: 14.944 min Scan# 1984

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

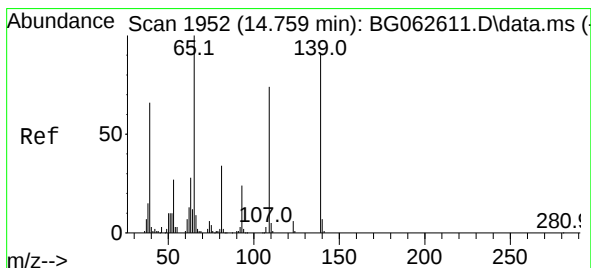
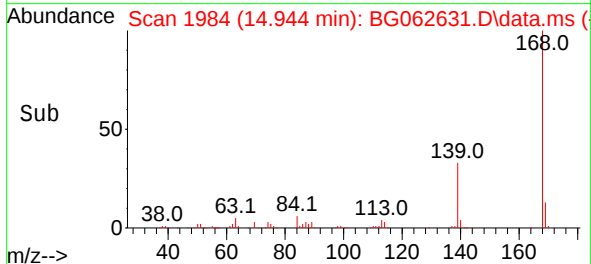
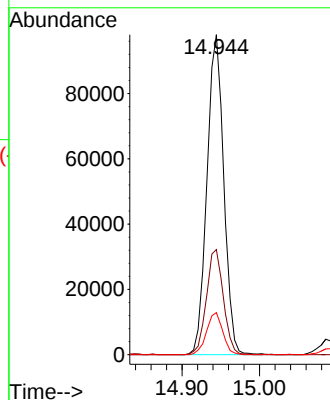
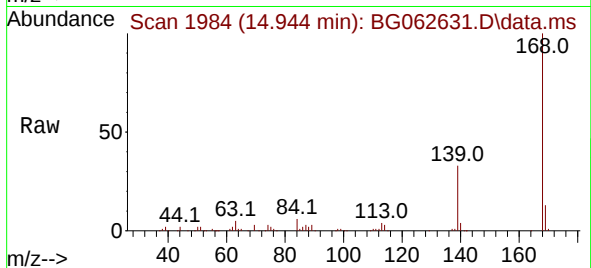
Tgt Ion:168 Resp: 147374

Ion Ratio Lower Upper

168 100

139 32.8 28.6 42.8

169 13.2 11.0 16.6



#56

4-Nitrophenol

Concen: 7.261 ng

RT: 14.750 min Scan# 1951

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

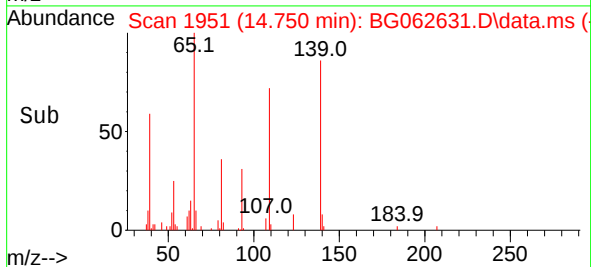
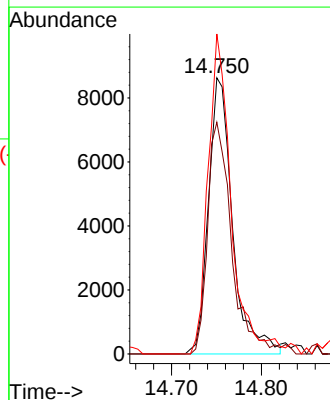
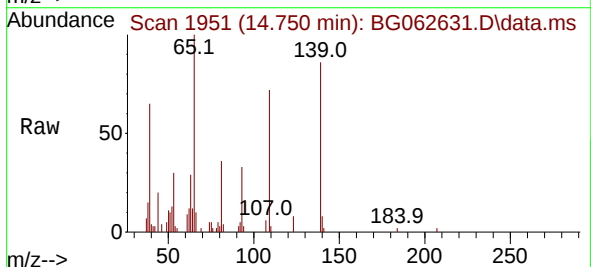
Tgt Ion:139 Resp: 16116

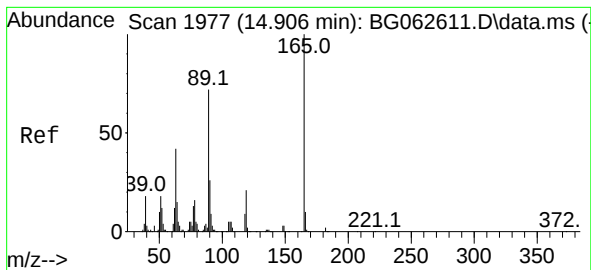
Ion Ratio Lower Upper

139 100

109 83.9 61.2 101.2

65 115.9 90.2 130.2

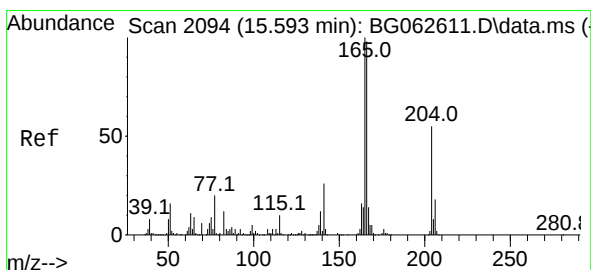
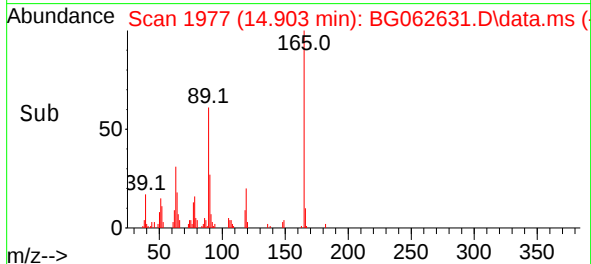
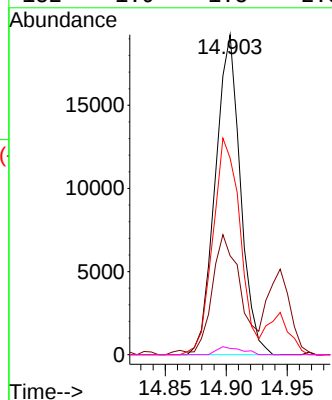
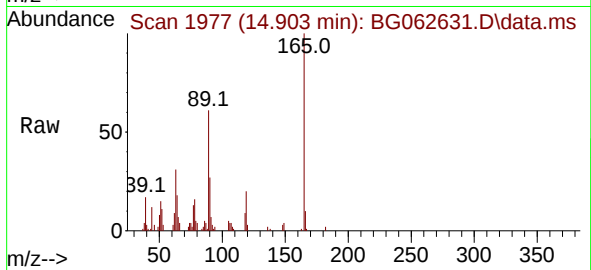




#57
2,4-Dinitrotoluene
Concen: 7.478 ng
RT: 14.903 min Scan# 1977
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

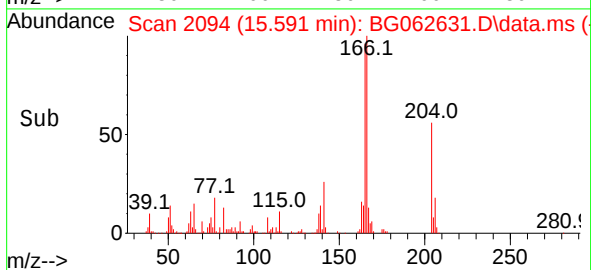
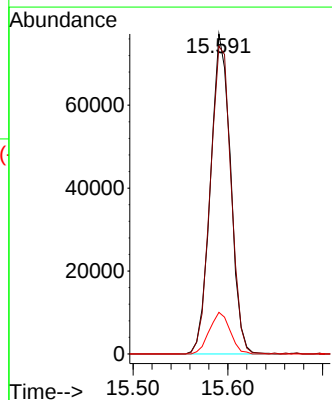
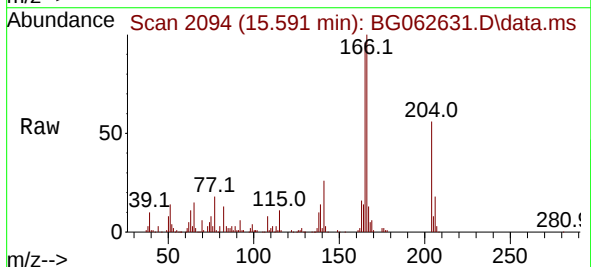
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

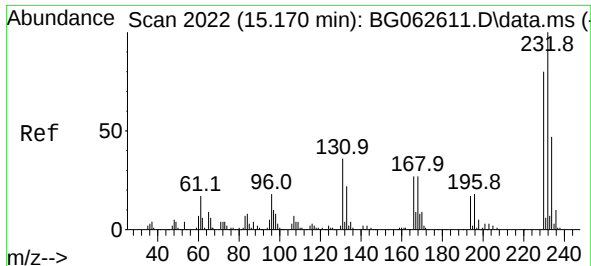
Tgt Ion:165 Resp: 27617
Ion Ratio Lower Upper
165 100
63 30.9 33.8 50.6#
89 61.4 57.9 86.9
182 1.9 1.8 2.8



#58
Fluorene
Concen: 8.589 ng
RT: 15.591 min Scan# 2094
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:166 Resp: 113232
Ion Ratio Lower Upper
166 100
165 96.1 82.0 123.0
167 13.0 11.3 16.9





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.276 ng

RT: 15.168 min Scan# 2022

Delta R.T. -0.003 min

Lab File: BG062631.D

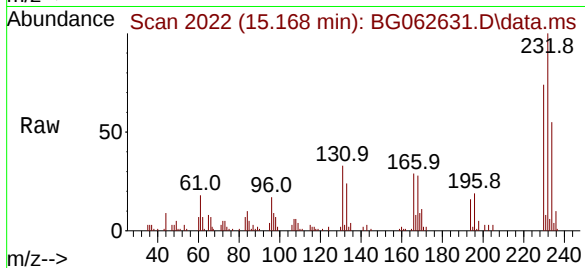
Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:232 Resp: 33124

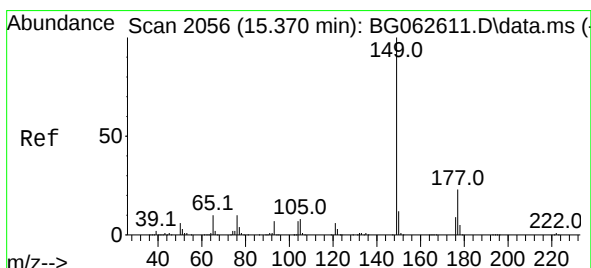
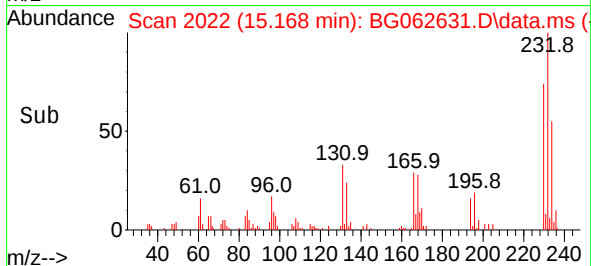
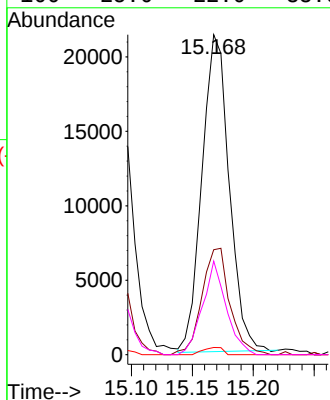
Ion Ratio Lower Upper

232 100

131 34.4 28.3 42.5

130 1.7 1.7 2.5#

166 25.6 22.0 33.0



#60

Diethylphthalate

Concen: 8.149 ng

RT: 15.361 min Scan# 2055

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

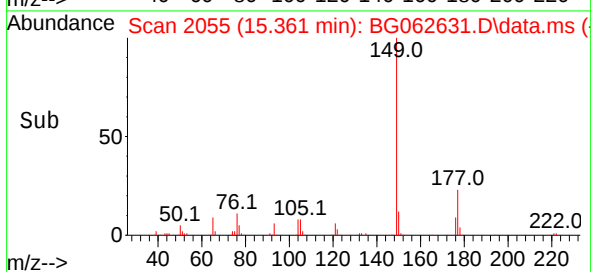
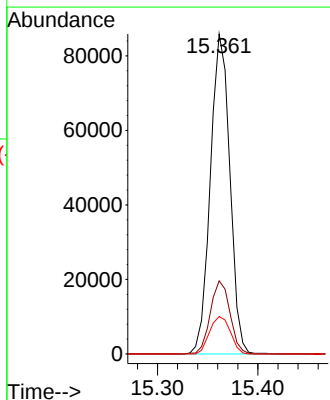
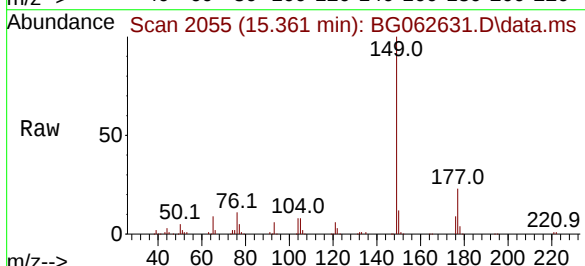
Tgt Ion:149 Resp: 115583

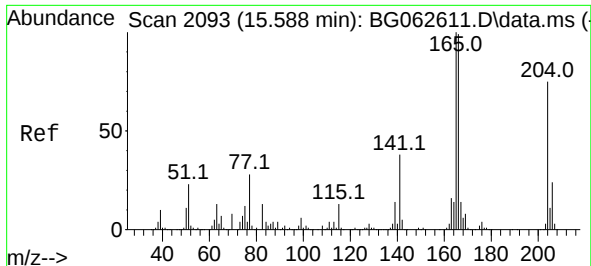
Ion Ratio Lower Upper

149 100

177 22.9 18.0 27.0

150 11.7 9.8 14.8

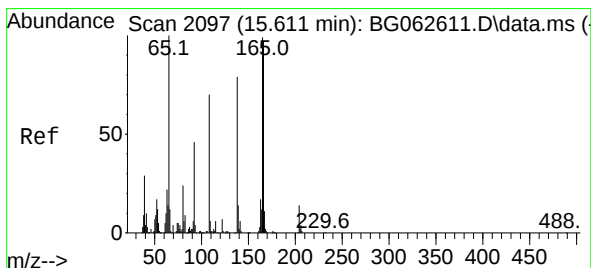
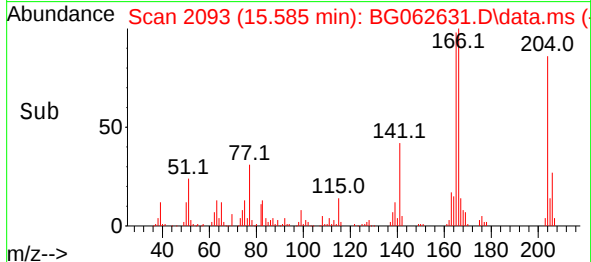
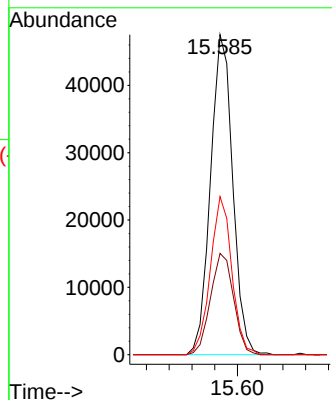
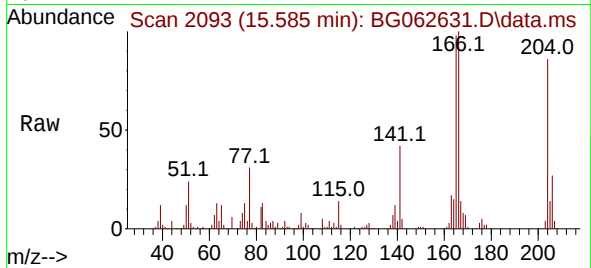




#61
4-Chlorophenyl-phenylether
Concen: 8.487 ng
RT: 15.585 min Scan# 2093
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

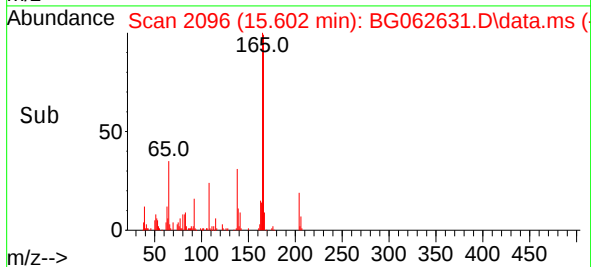
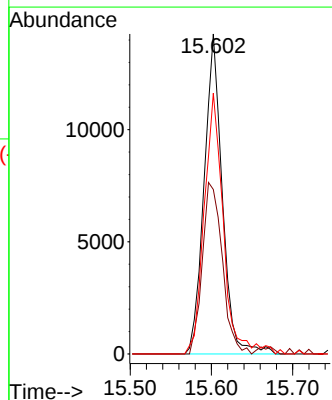
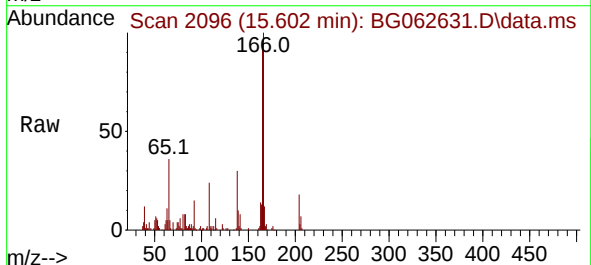
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

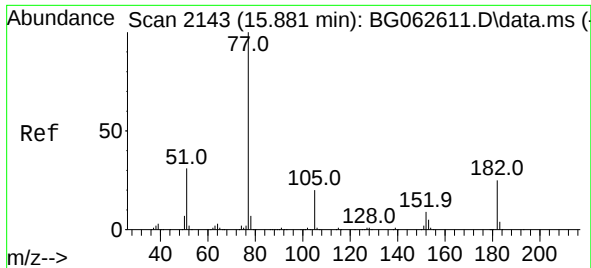
Tgt Ion:204 Resp: 64232
Ion Ratio Lower Upper
204 100
206 31.6 25.9 38.9
141 49.4 41.0 61.6



#62
4-Nitroaniline
Concen: 7.690 ng
RT: 15.602 min Scan# 2096
Delta R.T. -0.009 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:138 Resp: 22208
Ion Ratio Lower Upper
138 100
92 51.4 38.4 78.4
108 81.5 69.0 109.0

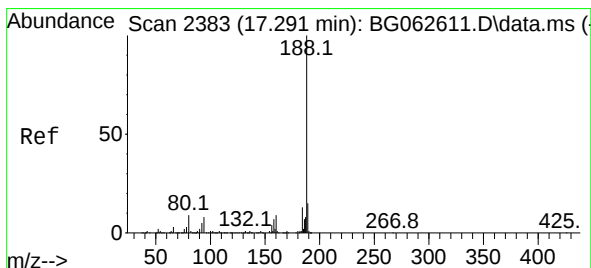
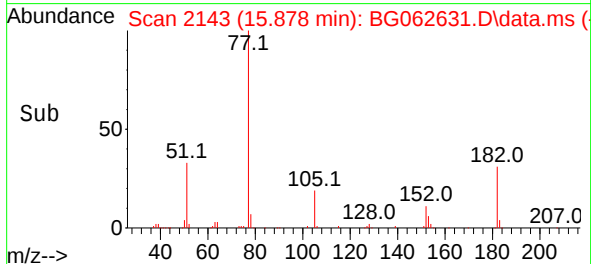
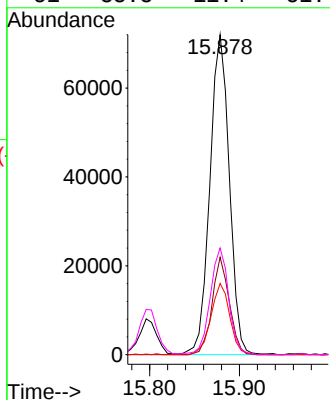
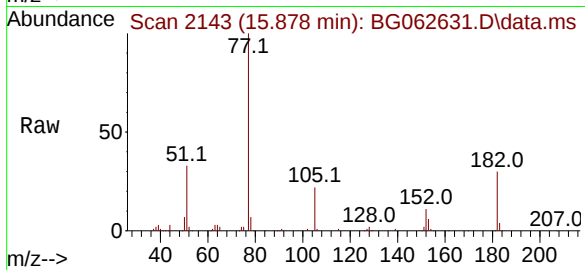




#63
Azobenzene
Concen: 8.145 ng
RT: 15.878 min Scan# 2143
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

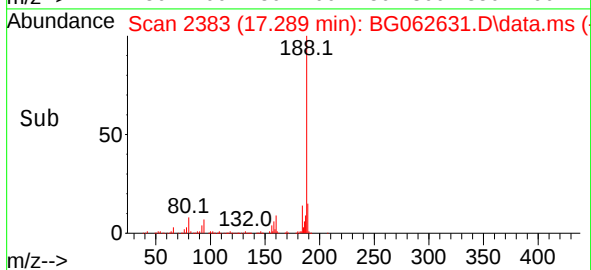
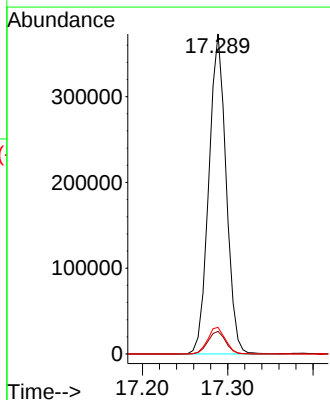
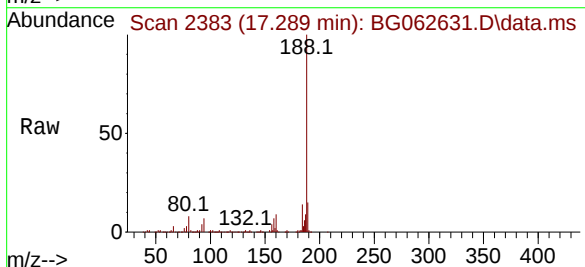
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

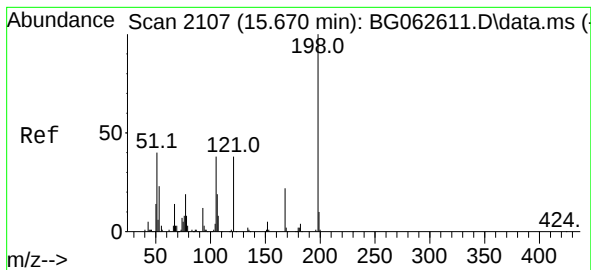
Tgt Ion: 77	Resp: 108477
Ion Ratio	Lower Upper
77 100	
182 30.5	5.0 45.0
105 22.3	0.5 40.5
51 33.3	11.4 51.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.289 min Scan# 2383
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:188	Resp: 525733
Ion Ratio	Lower Upper
188 100	
94 7.1	6.3 9.5
80 8.3	7.0 10.4

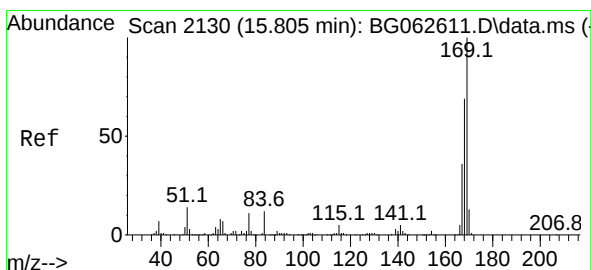
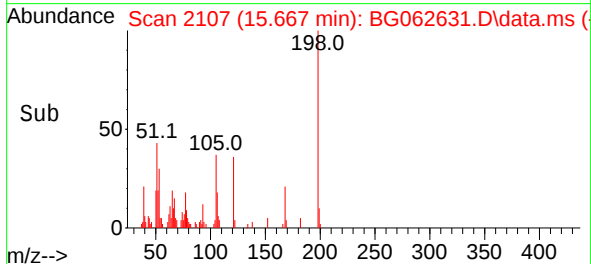
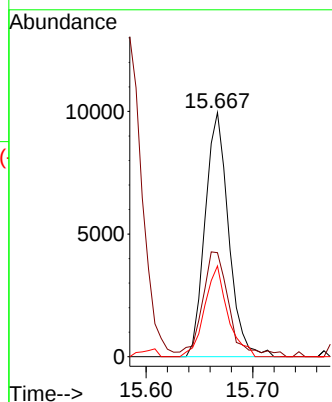
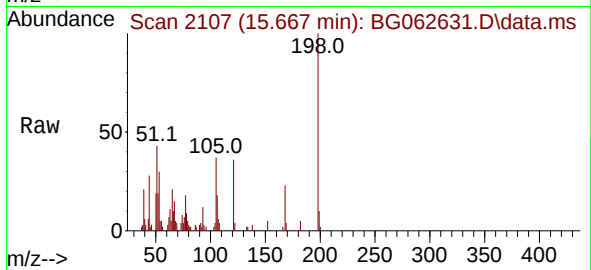




#65
4,6-Dinitro-2-methylphenol
Concen: 6.497 ng
RT: 15.667 min Scan# 2107
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

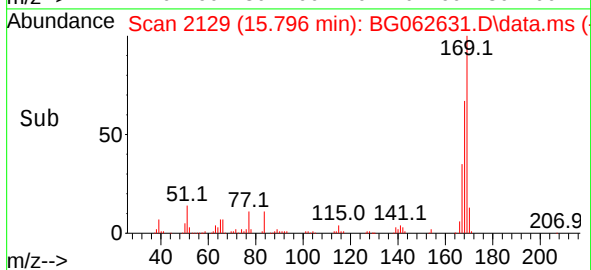
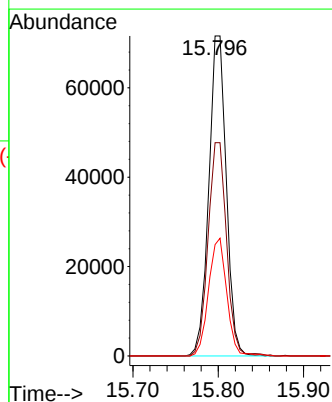
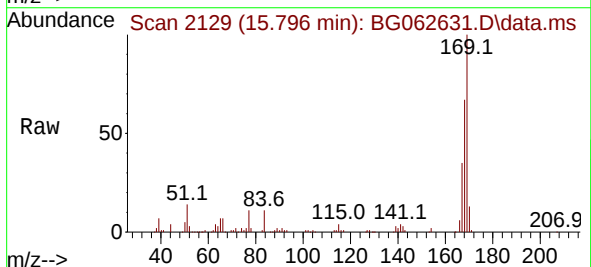
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

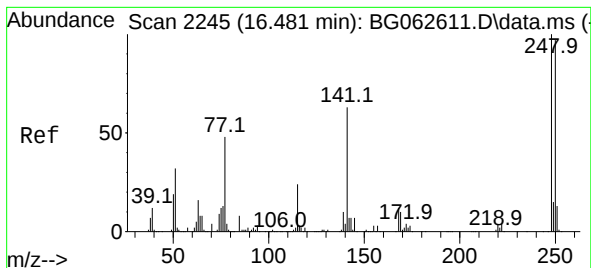
Tgt Ion:198 Resp: 15244
Ion Ratio Lower Upper
198 100
51 42.6 25.1 65.1
105 37.1 18.3 58.3



#66
n-Nitrosodiphenylamine
Concen: 8.069 ng
RT: 15.796 min Scan# 2129
Delta R.T. -0.009 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:169 Resp: 101996
Ion Ratio Lower Upper
169 100
168 66.7 55.4 83.2
167 34.8 29.0 43.6

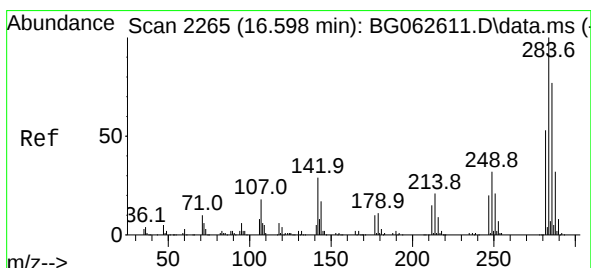
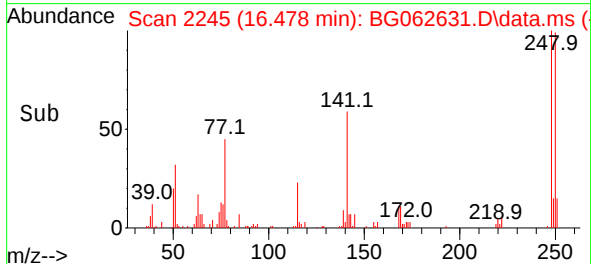
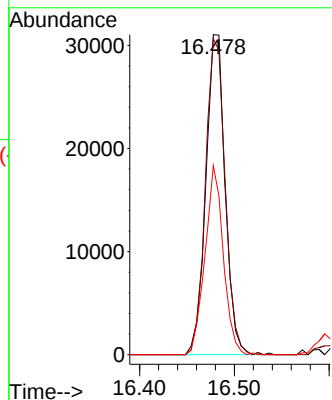
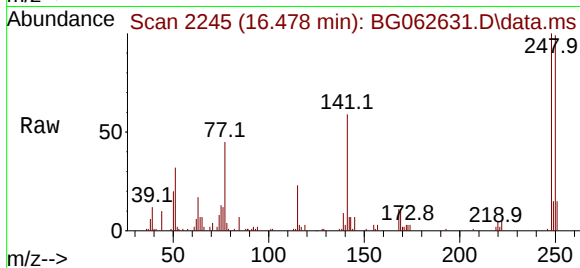




#67
4-Bromophenyl-phenylether
Concen: 8.073 ng
RT: 16.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

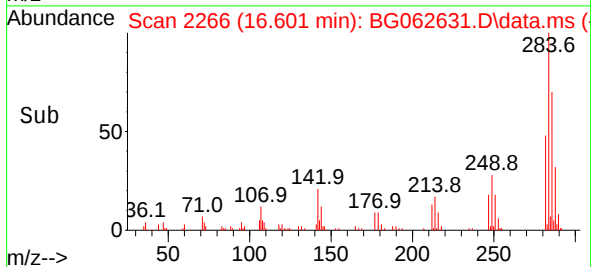
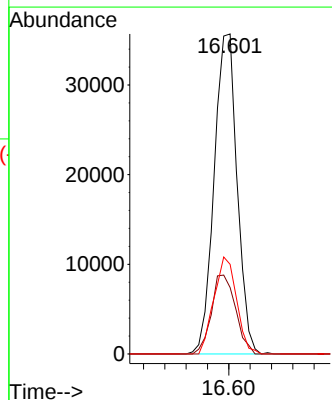
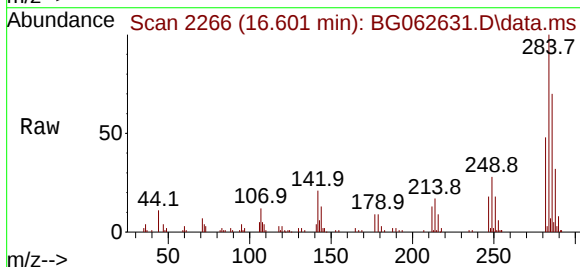
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

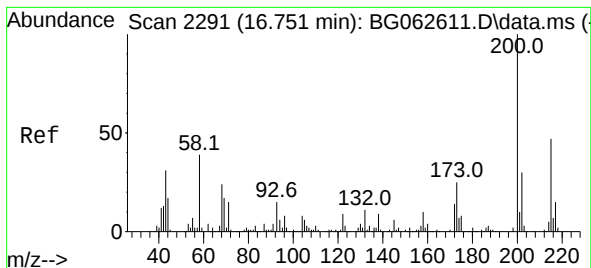
Tgt Ion:248 Resp: 43804
Ion Ratio Lower Upper
248 100
250 98.8 77.9 116.9
141 59.0 50.2 75.2



#68
Hexachlorobenzene
Concen: 8.298 ng
RT: 16.601 min Scan# 2266
Delta R.T. 0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:284 Resp: 53324
Ion Ratio Lower Upper
284 100
142 20.8 23.5 35.3#
249 28.0 25.4 38.0





#69

Atrazine

Concen: 10.227 ng

RT: 16.748 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

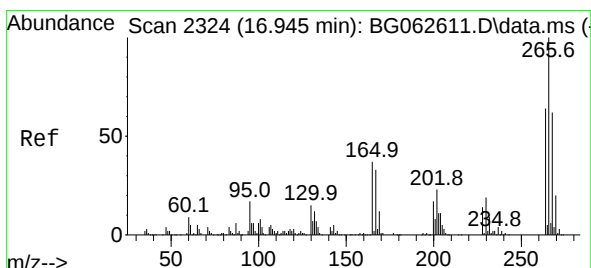
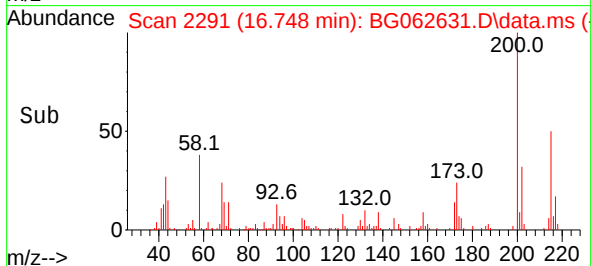
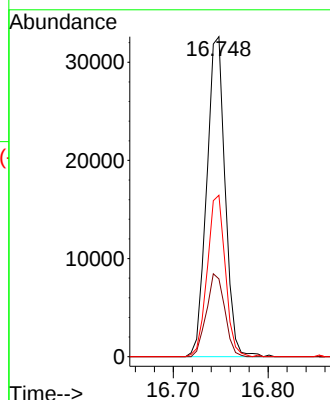
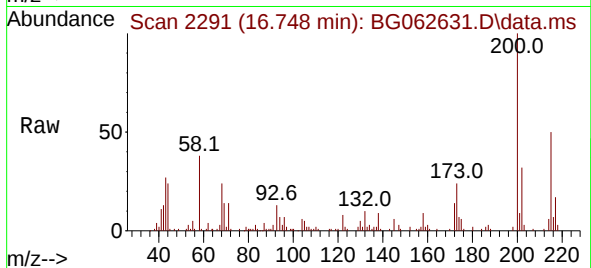
Tgt Ion:200 Resp: 43905

Ion Ratio Lower Upper

200 100

173 24.3 5.2 45.2

215 50.4 27.3 67.3



#70

Pentachlorophenol

Concen: 5.825 ng

RT: 16.942 min Scan# 2324

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

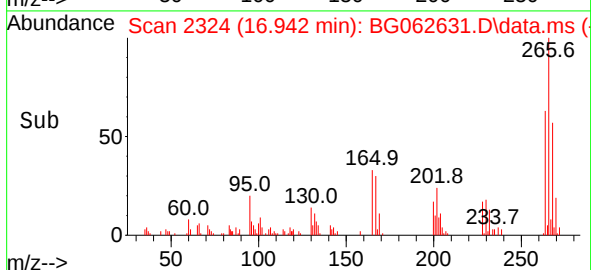
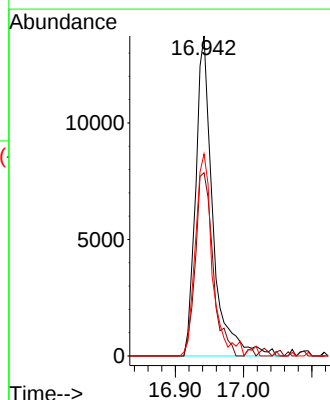
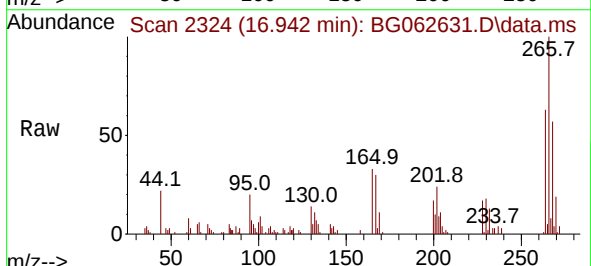
Tgt Ion:266 Resp: 23973

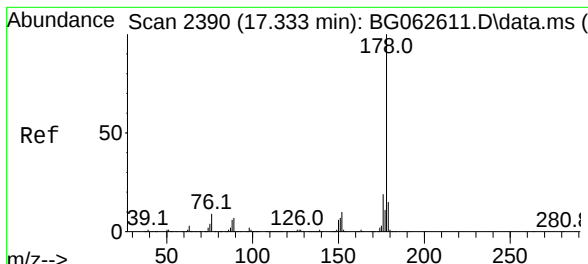
Ion Ratio Lower Upper

266 100

268 60.8 52.6 79.0

264 63.2 51.6 77.4



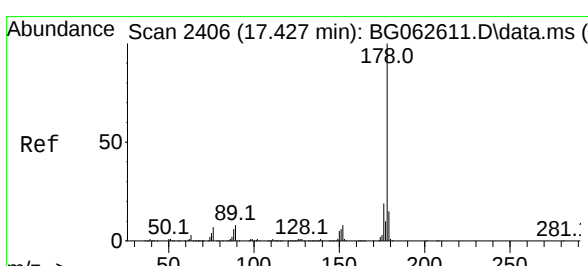
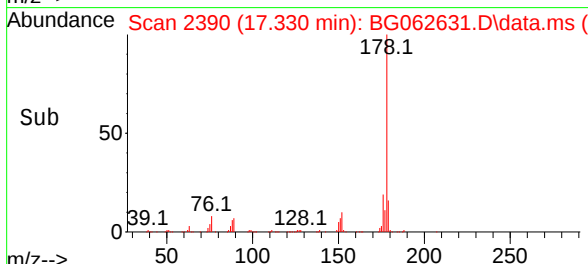
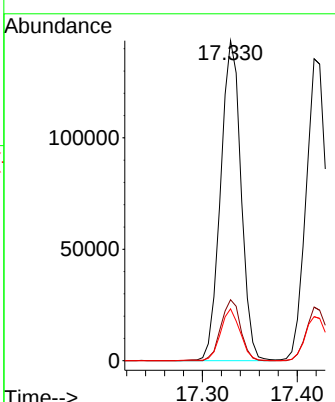
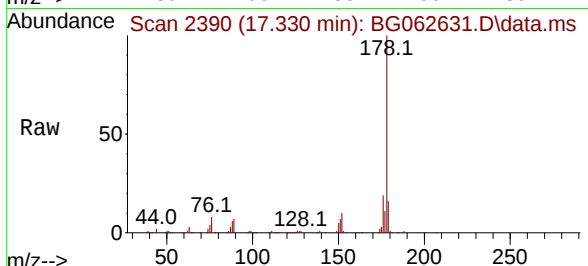


#71
 Phenanthrene
 Concen: 8.777 ng
 RT: 17.330 min Scan# 2405
 Delta R.T. -0.003 min
 Lab File: BG062631.D
 Acq: 3 Sep 2024 18:33

Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:178 Resp: 215380

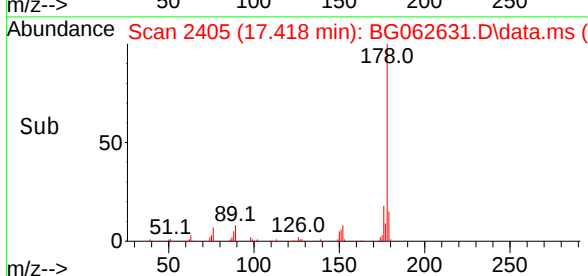
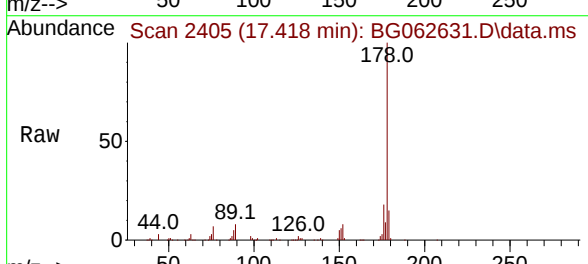
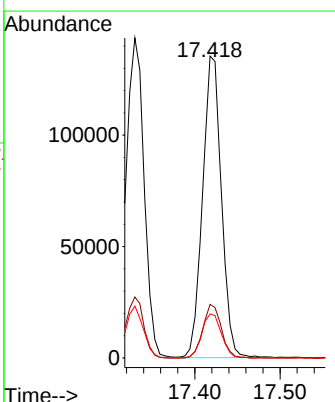
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	16.2	12.2	18.4

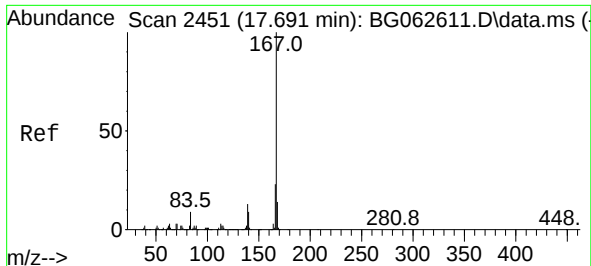


#72
 Anthracene
 Concen: 8.593 ng
 RT: 17.418 min Scan# 2405
 Delta R.T. -0.009 min
 Lab File: BG062631.D
 Acq: 3 Sep 2024 18:33

Tgt Ion:178 Resp: 207330

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.2	22.8
179	14.6	12.0	18.0

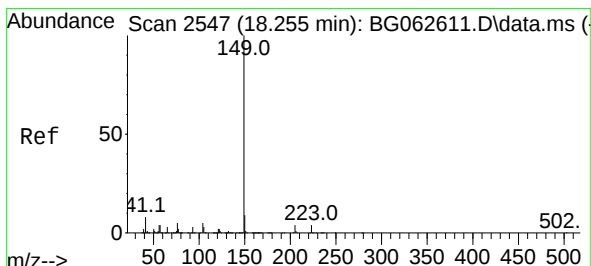
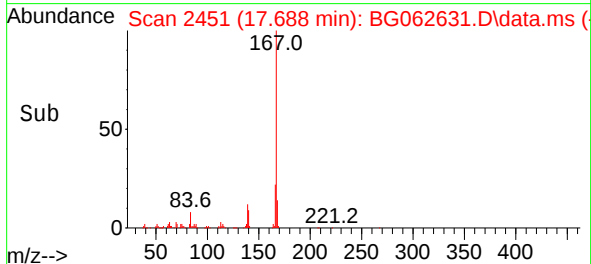
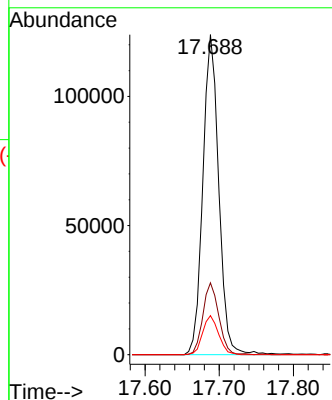
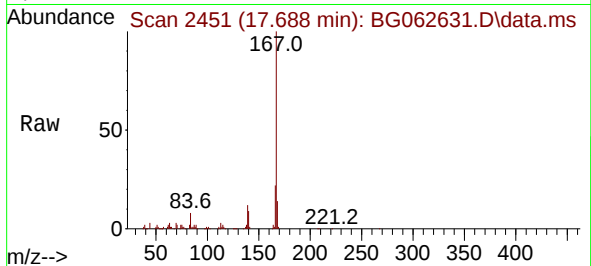




#73
Carbazole
Concen: 8.319 ng
RT: 17.688 min Scan# 2451
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

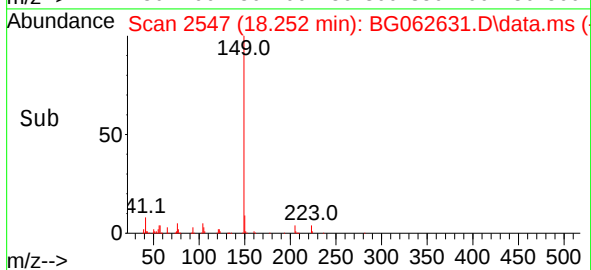
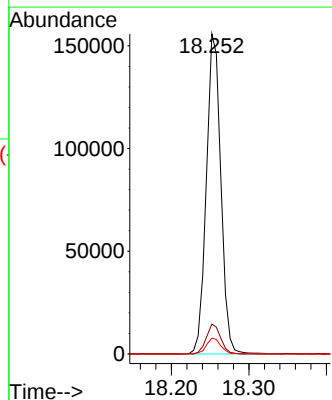
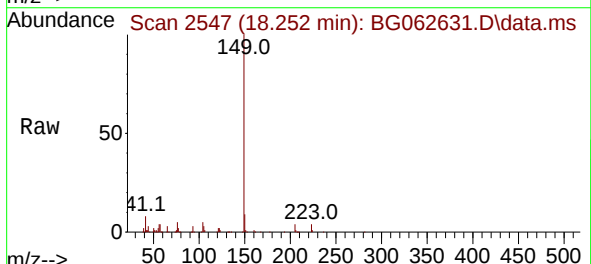
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

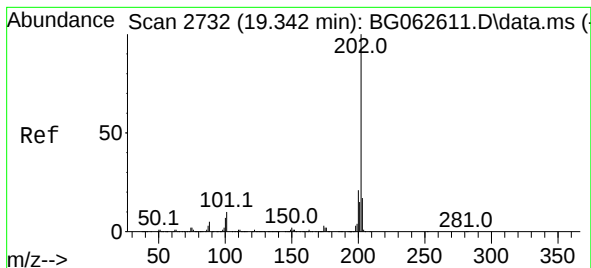
Tgt Ion:167 Resp: 184504
Ion Ratio Lower Upper
167 100
166 22.5 18.2 27.2
139 12.2 10.1 15.1



#74
Di-n-butylphthalate
Concen: 8.081 ng
RT: 18.252 min Scan# 2547
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:149 Resp: 202146
Ion Ratio Lower Upper
149 100
150 9.3 7.3 10.9
104 4.9 4.2 6.2

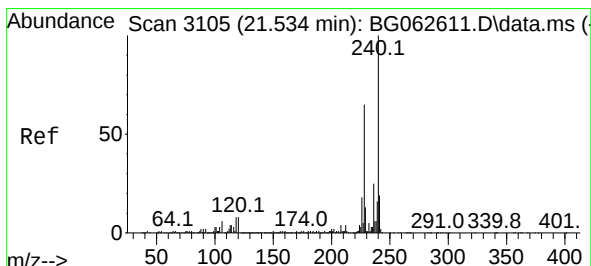
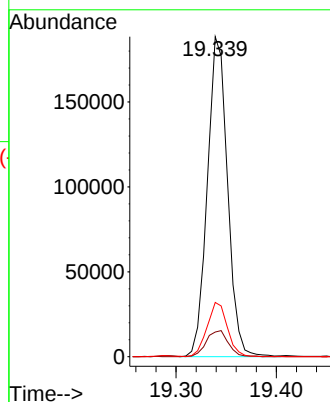
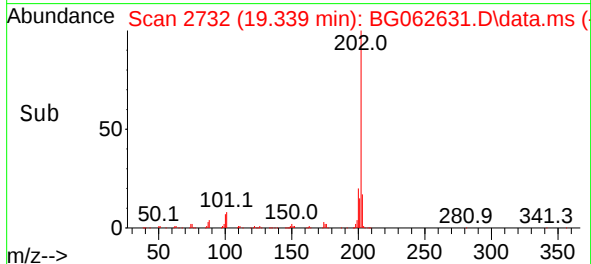
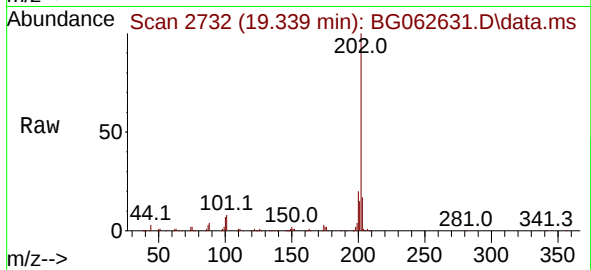




#75
Fluoranthene
Concen: 8.490 ng
RT: 19.339 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

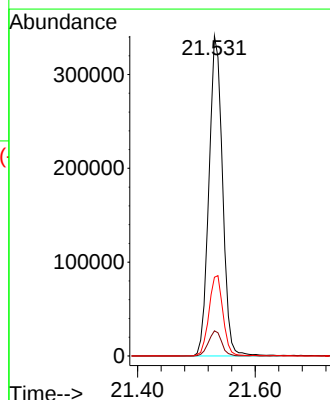
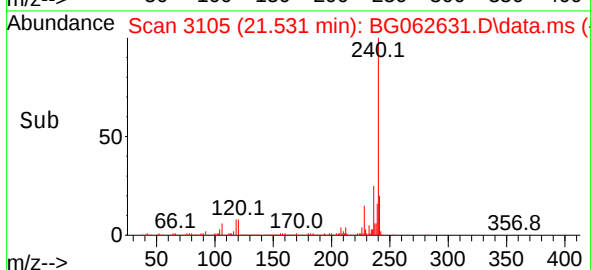
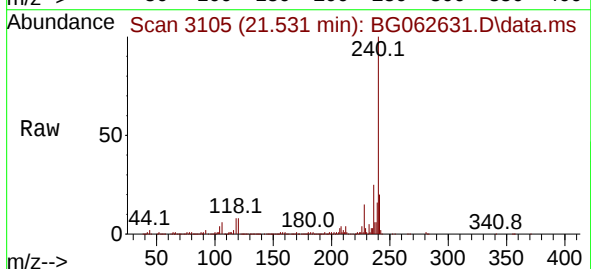
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

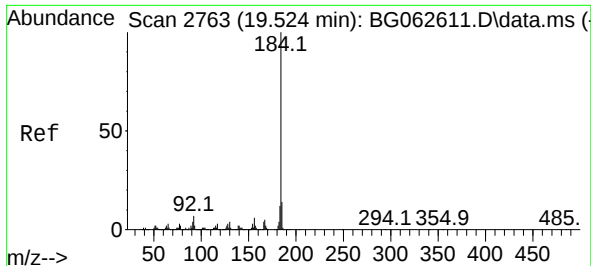
Tgt Ion:202 Resp: 263497
Ion Ratio Lower Upper
202 100
101 7.7 0.0 29.6
203 17.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.531 min Scan# 3105
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:240 Resp: 547499
Ion Ratio Lower Upper
240 100
120 7.9 6.6 9.8
236 24.6 20.2 30.4

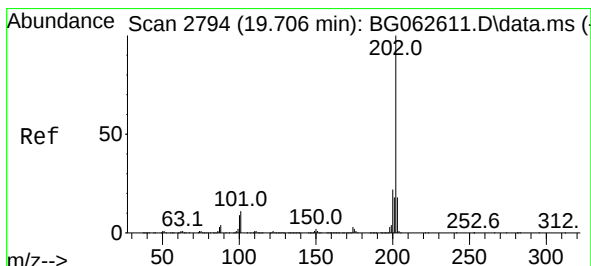
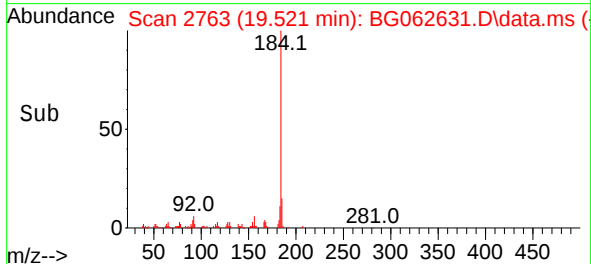
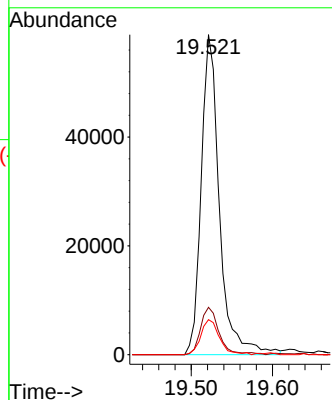
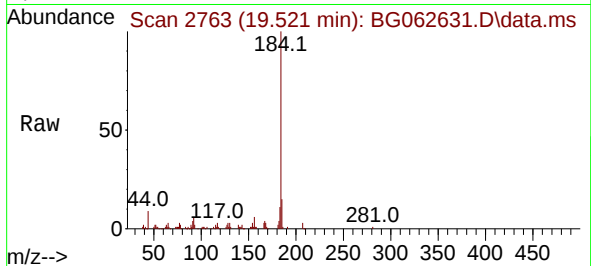




#77
Benzidine
Concen: 9.264 ng
RT: 19.521 min Scan# 2763
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

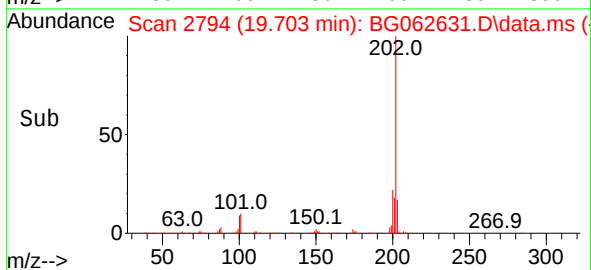
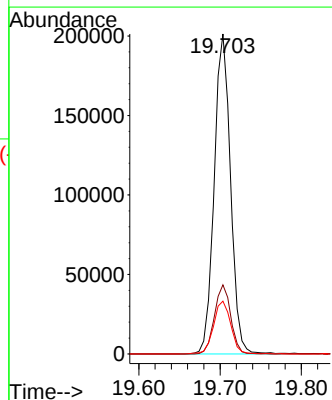
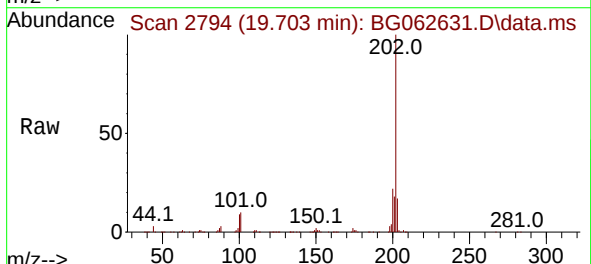
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

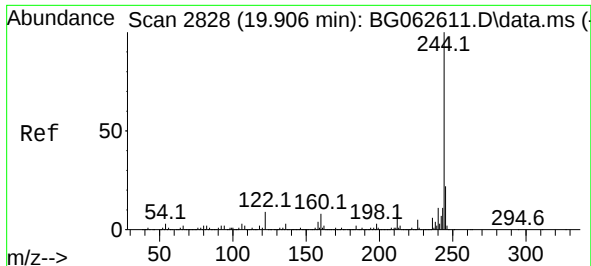
Tgt Ion:184 Resp: 91418
Ion Ratio Lower Upper
184 100
185 14.8 11.0 16.6
183 11.0 9.7 14.5



#78
Pyrene
Concen: 8.069 ng
RT: 19.703 min Scan# 2794
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

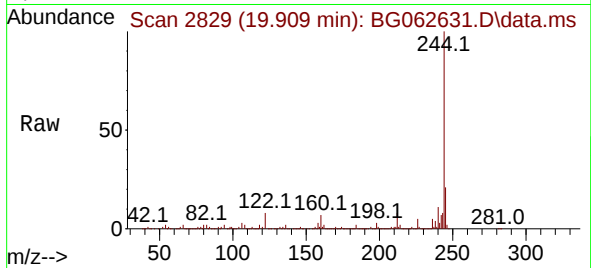
Tgt Ion:202 Resp: 280819
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 16.5 14.1 21.1



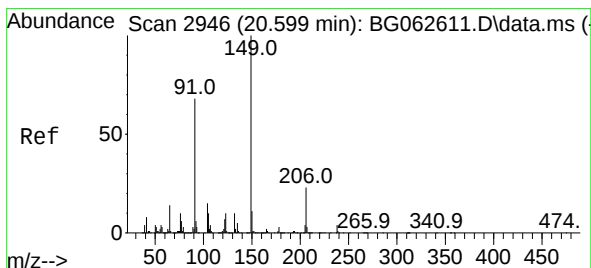
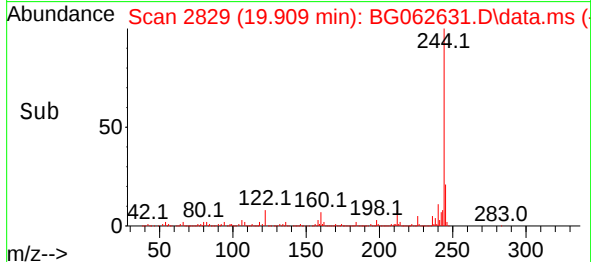
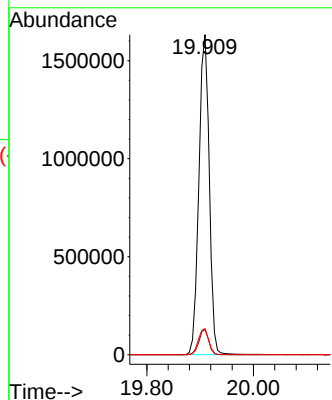


#79
 Terphenyl-d14
 Concen: 79.556 ng
 RT: 19.909 min Scan# 2196706
 Delta R.T. 0.003 min
 Lab File: BG062631.D
 Acq: 3 Sep 2024 18:33

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

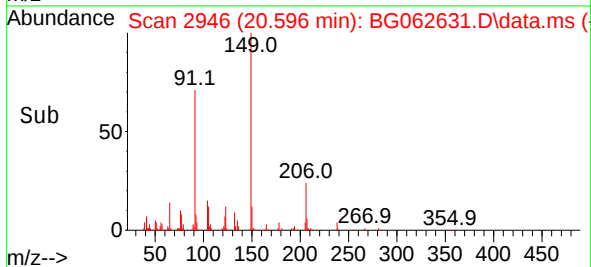
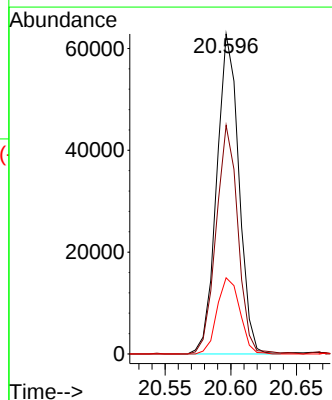
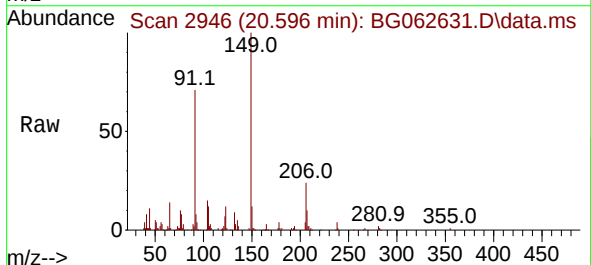


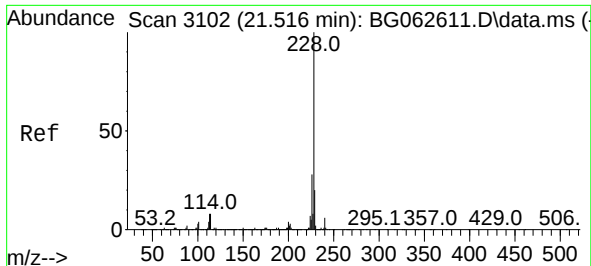
Tgt Ion:244 Resp: 2196706
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.6 10.0
 122 8.2 7.2 10.8



#80
 Butylbenzylphthalate
 Concen: 7.210 ng
 RT: 20.596 min Scan# 2946
 Delta R.T. -0.003 min
 Lab File: BG062631.D
 Acq: 3 Sep 2024 18:33

Tgt Ion:149 Resp: 73702
 Ion Ratio Lower Upper
 149 100
 91 71.4 54.6 81.8
 206 23.8 18.4 27.6

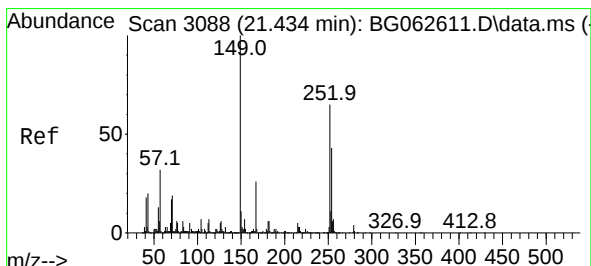
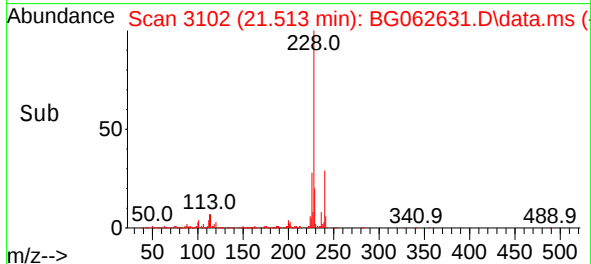
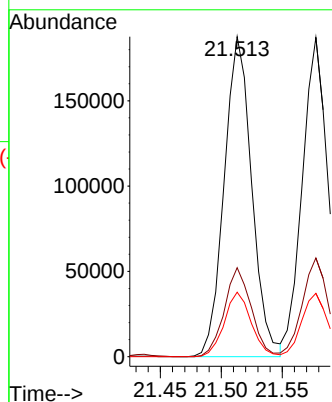
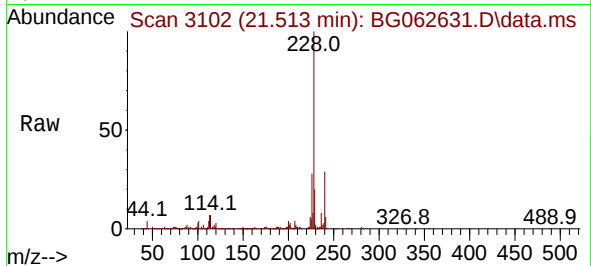




#81
Benzo(a)anthracene
Concen: 8.566 ng
RT: 21.513 min Scan# 3102
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

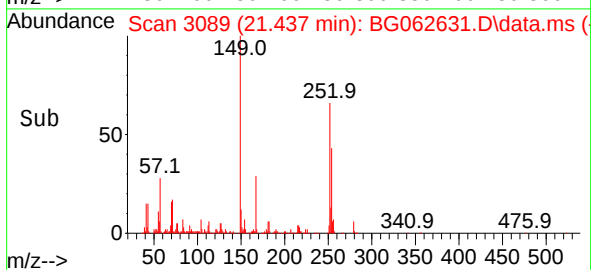
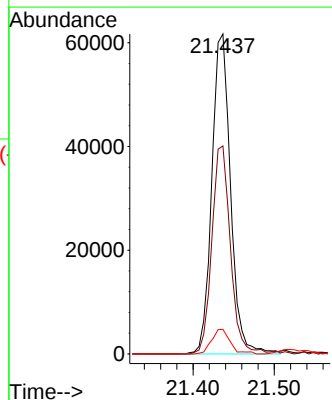
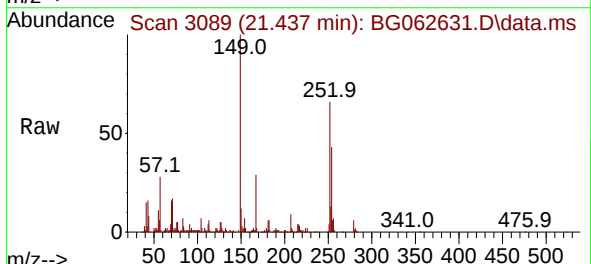
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

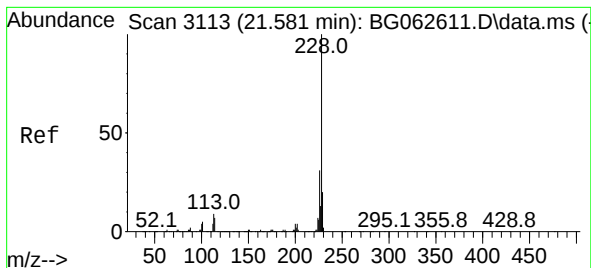
Tgt Ion:228 Resp: 295804
Ion Ratio Lower Upper
228 100
226 27.8 22.3 33.5
229 20.2 16.2 24.2



#82
3,3'-Dichlorobenzidine
Concen: 8.782 ng
RT: 21.437 min Scan# 3089
Delta R.T. 0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:252 Resp: 98788
Ion Ratio Lower Upper
252 100
254 65.0 52.2 78.2
126 7.7 6.7 10.1





#83

Chrysene

Concen: 8.441 ng

RT: 21.578 min Scan# 3113

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

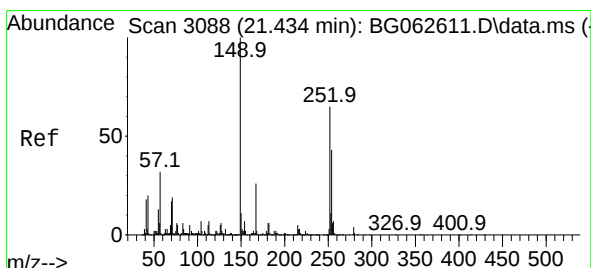
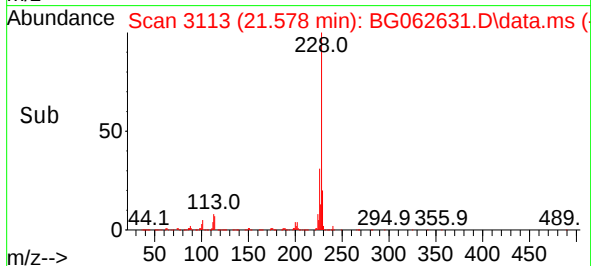
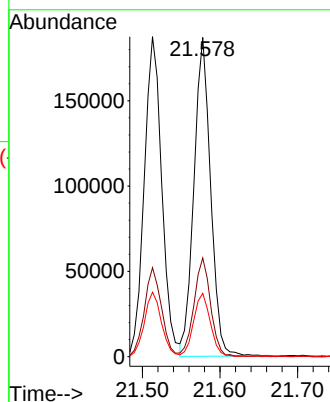
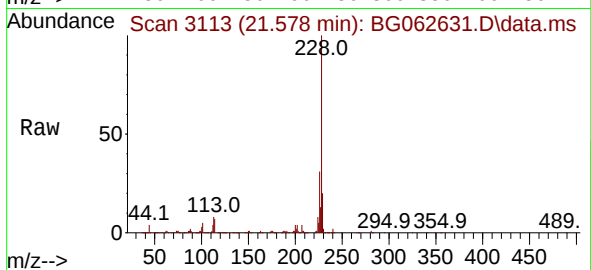
Tgt Ion:228 Resp: 279188

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

229 19.9 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.694 ng

RT: 21.437 min Scan# 3089

Delta R.T. 0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

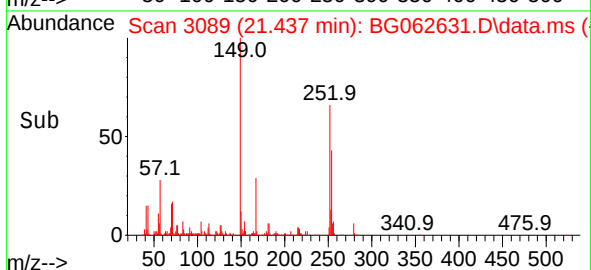
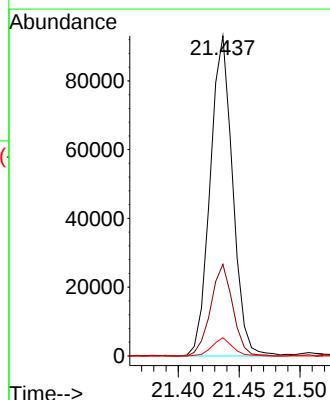
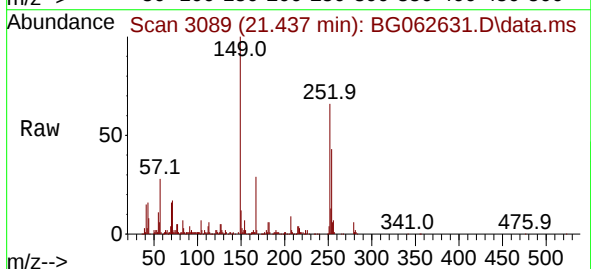
Tgt Ion:149 Resp: 119491

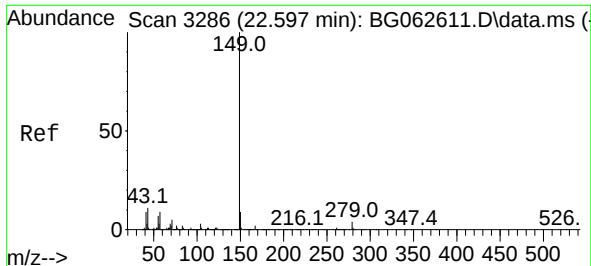
Ion Ratio Lower Upper

149 100

167 28.6 20.5 30.7

279 5.7 3.1 4.7#

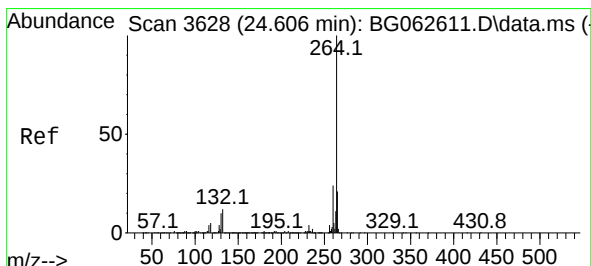
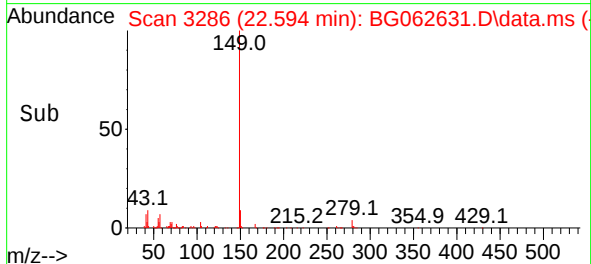
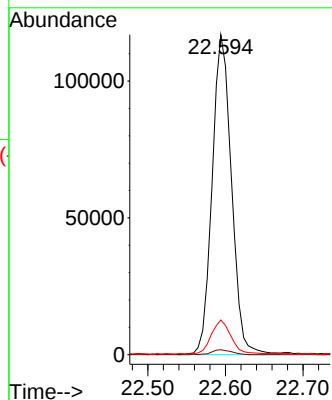
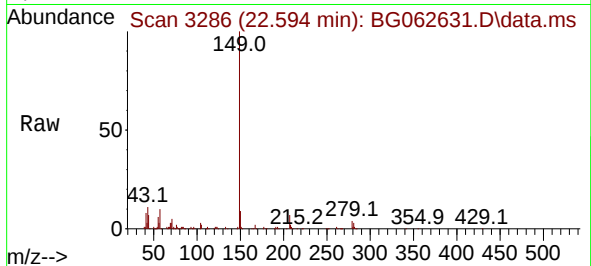




#85
Di-n-octyl phthalate
Concen: 7.464 ng
RT: 22.594 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

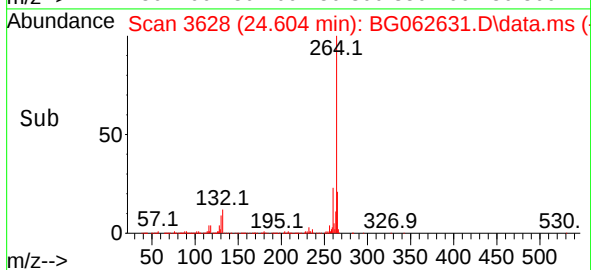
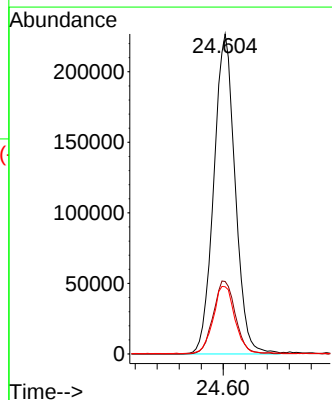
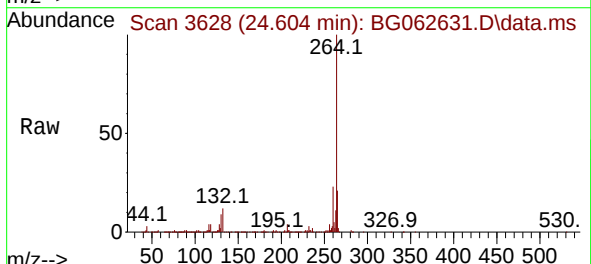
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:149 Resp: 202949
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 10.5 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.604 min Scan# 3628
Delta R.T. -0.003 min
Lab File: BG062631.D
Acq: 3 Sep 2024 18:33

Tgt Ion:264 Resp: 610776
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.4
265 21.0 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.270 ng

RT: 28.058 min Scan# 41

Delta R.T. -0.015 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

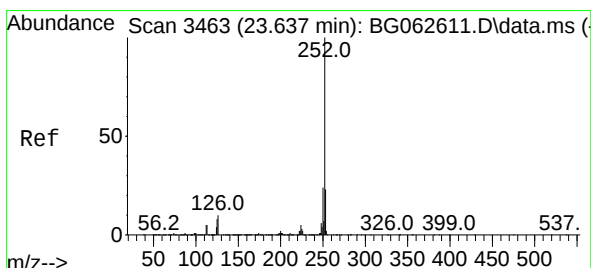
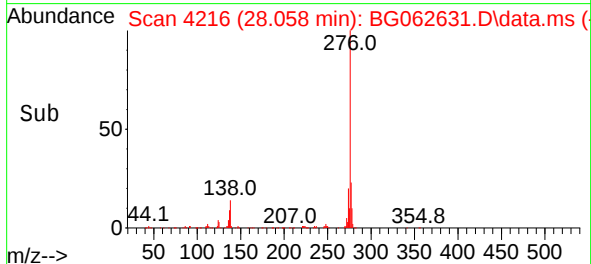
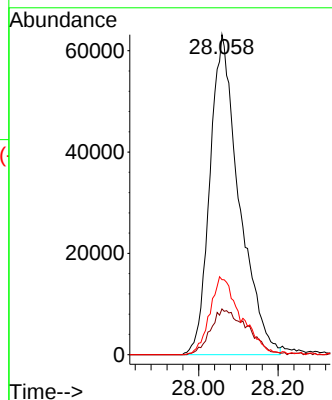
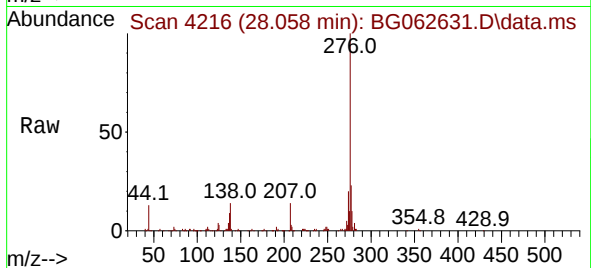
Tgt Ion:276 Resp: 323886

Ion Ratio Lower Upper

276 100

138 17.8 14.9 22.3

277 25.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.281 ng

RT: 23.634 min Scan# 3463

Delta R.T. -0.003 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

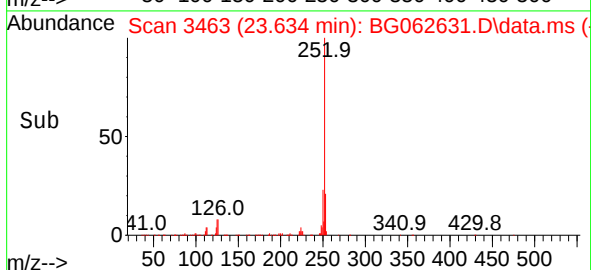
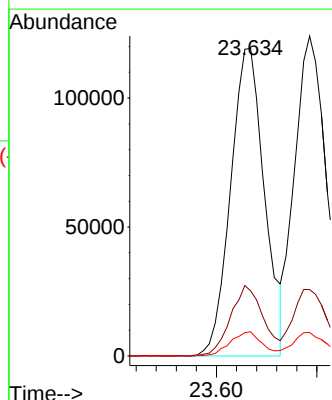
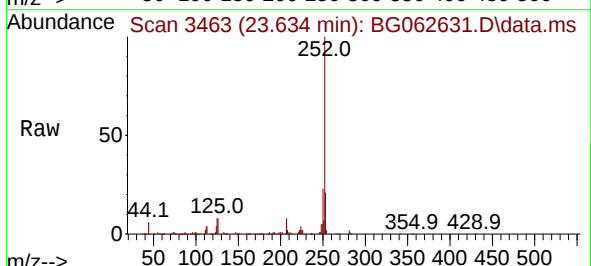
Tgt Ion:252 Resp: 279368

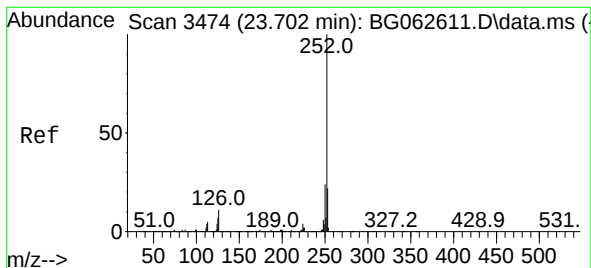
Ion Ratio Lower Upper

252 100

253 21.2 18.2 27.2

125 7.8 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 8.510 ng

RT: 23.693 min Scan# 3474

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

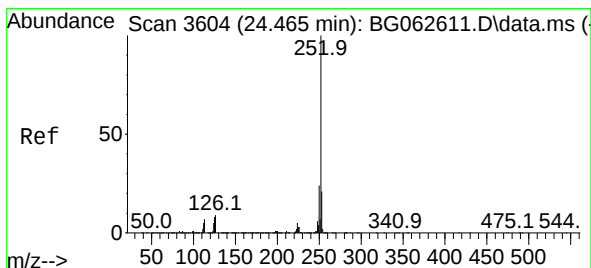
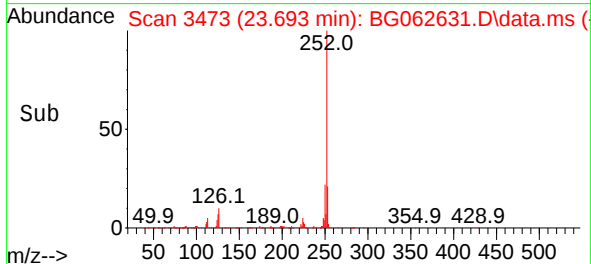
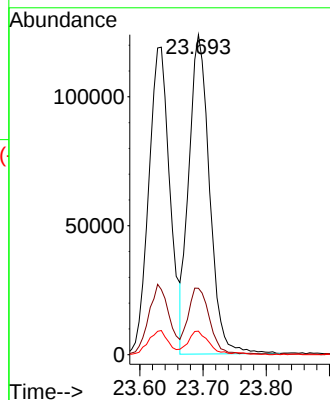
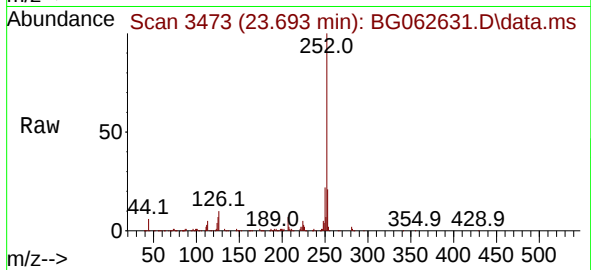
Tgt Ion:252 Resp: 280846

Ion Ratio Lower Upper

252 100

253 20.8 17.8 26.8

125 7.4 6.1 9.1



#90

Benzo(a)pyrene

Concen: 8.557 ng

RT: 24.457 min Scan# 3603

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

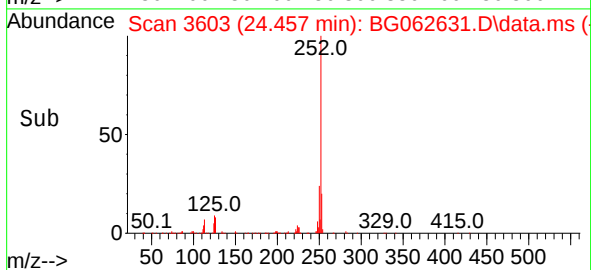
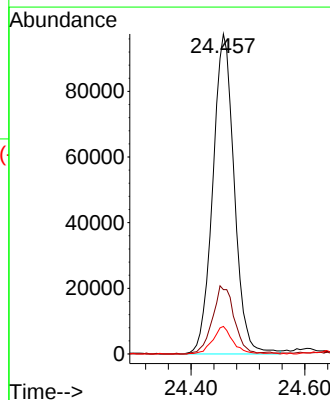
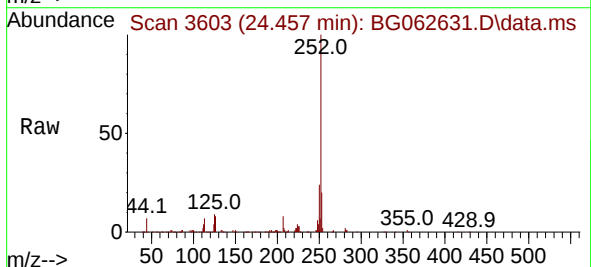
Tgt Ion:252 Resp: 255015

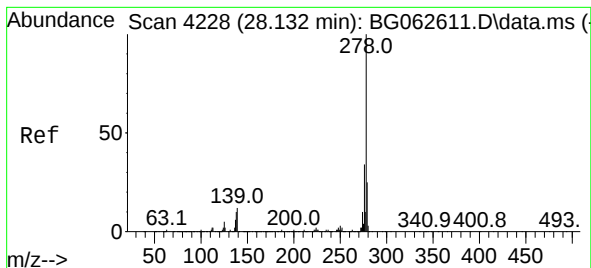
Ion Ratio Lower Upper

252 100

253 20.1 17.1 25.7

125 8.6 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 8.542 ng

RT: 28.123 min Scan# 41

Delta R.T. -0.009 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

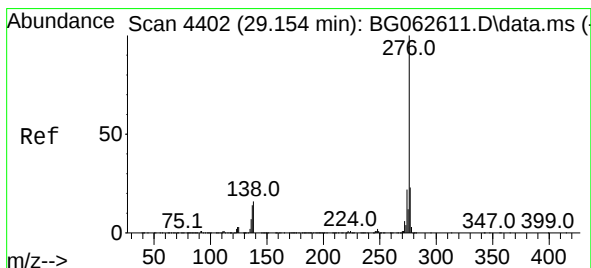
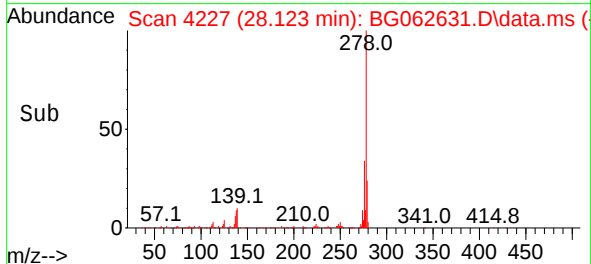
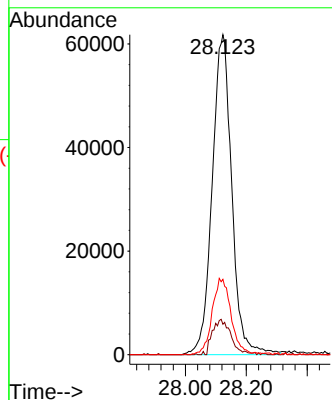
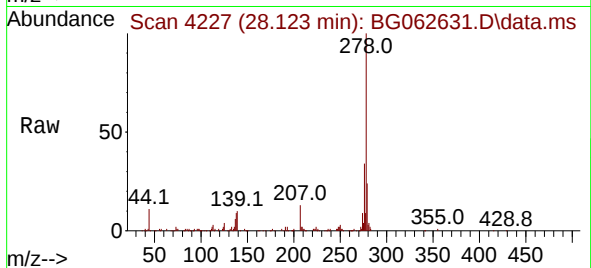
Tgt Ion:278 Resp: 275593

Ion Ratio Lower Upper

278 100

139 9.5 9.2 13.8

279 23.5 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 7.946 ng

RT: 29.128 min Scan# 4398

Delta R.T. -0.026 min

Lab File: BG062631.D

Acq: 3 Sep 2024 18:33

Tgt Ion:276 Resp: 258489

Ion Ratio Lower Upper

276 100

277 20.1 18.8 28.2

138 14.6 12.7 19.1

