

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
 Data File : BG062647.D
 Acq On : 4 Sep 2024 17:41
 Operator : MA/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-4 ng
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 04 18:18:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	59042	20.000	ng	0.00
21) Naphthalene-d8	10.715	136	236419	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	192478	20.000	ng	0.00
64) Phenanthrene-d10	17.289	188	540508	20.000	ng	0.00
76) Chrysene-d12	21.531	240	653141	20.000	ng	0.00
86) Perylene-d12	24.604	264	734270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	408691	119.650	ng	0.00
7) Phenol-d6	7.089	99	573449	116.212	ng	0.00
23) Nitrobenzene-d5	9.075	82	389458	88.719	ng	0.00
42) 2,4,6-Tribromophenol	16.032	330	376935	139.154	ng	0.00
45) 2-Fluorobiphenyl	13.171	172	1007305	84.769	ng	0.00
79) Terphenyl-d14	19.910	244	2329661	70.725	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.406	88	6227	4.376	ng	94
3) Pyridine	3.811	79	15602	3.805	ng	# 89
4) n-Nitrosodimethylamine	3.723	42	8508	4.269	ng	# 90
6) Aniline	7.248	93	19924	4.322	ng	97
8) 2-Chlorophenol	7.489	128	13990	3.815	ng	89
9) Benzaldehyde	7.066	77	15241m	5.310	ng	
10) Phenol	7.113	94	19092	3.822	ng	89
11) bis(2-Chloroethyl)ether	7.342	93	14575	3.811	ng	97
12) 1,3-Dichlorobenzene	7.812	146	15866	3.943	ng	95
13) 1,4-Dichlorobenzene	7.959	146	15576m	3.761	ng	
14) 1,2-Dichlorobenzene	8.276	146	15677	3.851	ng	99
15) Benzyl Alcohol	8.153	79	11778	3.226	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.441	45	26195	3.594	ng	98
17) 2-Methylphenol	8.359	107	11368	3.265	ng	95
18) Hexachloroethane	9.005	117	6411	4.128	ng	91
19) n-Nitroso-di-n-propyla...	8.723	70	12505	3.216	ng	# 91
20) 3+4-Methylphenols	8.682	107	16408	3.194	ng	87
22) Acetophenone	8.735	105	24251	3.802	ng	98
24) Nitrobenzene	9.117	77	19102	4.093	ng	93
25) Isophorone	9.634	82	36204	3.757	ng	# 94
26) 2-Nitrophenol	9.833	139	6366	3.610	ng	97
27) 2,4-Dimethylphenol	9.892	122	7883	3.051	ng	92
28) bis(2-Chloroethoxy)met...	10.121	93	20338	3.943	ng	99
29) 2,4-Dichlorophenol	10.362	162	13299	3.681	ng	94
30) 1,2,4-Trichlorobenzene	10.580	180	18107	4.228	ng	92
31) Naphthalene	10.768	128	48890	4.172	ng	96
32) Benzoic acid	9.939	122	5532m	1.990	ng	
33) 4-Chloroaniline	10.873	127	17480	3.791	ng	97
34) Hexachlorobutadiene	11.055	225	12352	4.129	ng	91
35) Caprolactam	11.602	113	5393	3.872	ng	# 85
36) 4-Chloro-3-methylphenol	11.990	107	14857	3.409	ng	# 94
37) 2-Methylnaphthalene	12.372	142	34724	3.821	ng	96
38) 1-Methylnaphthalene	12.589	142	34371	3.766	ng	99
40) 1,2,4,5-Tetrachloroben...	12.742	216	24323	4.202	ng	98
41) Hexachlorocyclopentadiene	12.718	237	5275	3.194	ng	94
43) 2,4,6-Trichlorophenol	12.977	196	12960	3.532	ng	94

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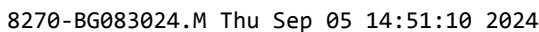
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

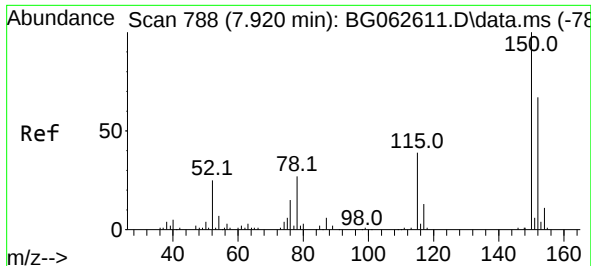
Quant Time: Sep 04 18:18:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.047	196	16565m	3.986	ng	
46) 1,1'-Biphenyl	13.376	154	53374	4.157	ng	99
47) 2-Chloronaphthalene	13.423	162	40842	3.924	ng	96
48) 2-Nitroaniline	13.617	65	9798	3.580	ng	95
49) Acenaphthylene	14.263	152	64806	4.205	ng	98
50) Dimethylphthalate	13.993	163	56240	3.996	ng	96
51) 2,6-Dinitrotoluene	14.111	165	9614	3.611	ng	91
52) Acenaphthene	14.604	154	37491	3.891	ng	99
53) 3-Nitroaniline	14.446	138	10012	3.887	ng	87
54) 2,4-Dinitrophenol	14.663	184	2983	1.997	ng	# 90
55) Dibenzofuran	14.945	168	67836	4.106	ng	95
56) 4-Nitrophenol	14.757	139	7862	3.601	ng	87
57) 2,4-Dinitrotoluene	14.898	165	13625	3.751	ng	100
58) Fluorene	15.591	166	53301	4.111	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.168	232	16652	4.230	ng	94
60) Diethylphthalate	15.362	149	56656	4.061	ng	99
61) 4-Chlorophenyl-phenyle...	15.585	204	30940	4.156	ng	94
62) 4-Nitroaniline	15.603	138	11058	3.893	ng	98
63) Azobenzene	15.879	77	50627	3.865	ng	98
65) 4,6-Dinitro-2-methylph...	15.662	198	7221	2.994	ng	92
66) n-Nitrosodiphenylamine	15.797	169	48990	3.770	ng	97
67) 4-Bromophenyl-phenylether	16.478	248	20658	3.703	ng	92
68) Hexachlorobenzene	16.596	284	25341	3.836	ng	94
69) Atrazine	16.743	200	21747	4.927	ng	92
70) Pentachlorophenol	16.943	266	10883	2.572	ng	91
71) Phenanthrene	17.330	178	108644	4.306	ng	96
72) Anthracene	17.419	178	101263	4.082	ng	99
73) Carbazole	17.689	167	93951	4.120	ng	99
74) Di-n-butylphthalate	18.253	149	103606	4.029	ng	99
75) Fluoranthene	19.340	202	140685	4.409	ng	98
77) Benzidine	19.522	184	49582	4.212	ng	97
78) Pyrene	19.704	202	153227	3.691	ng	97
80) Butylbenzylphthalate	20.597	149	39063	3.203	ng	96
81) Benzo(a)anthracene	21.514	228	164752	3.999	ng	99
82) 3,3'-Dichlorobenzidine	21.432	252	54316	4.047	ng	99
83) Chrysene	21.578	228	166603	4.222	ng	97
84) Bis(2-ethylhexyl)phtha...	21.432	149	62911	3.396	ng	92
85) Di-n-octyl phthalate	22.595	149	106169	3.273	ng	97
87) Indeno(1,2,3-cd)pyrene	28.053	276	183531	3.898	ng	97
88) Benzo(b)fluoranthene	23.629	252	153391	3.782	ng	96
89) Benzo(k)fluoranthene	23.694	252	159725	4.026	ng	99
90) Benzo(a)pyrene	24.451	252	139225	3.886	ng	97
91) Dibenzo(a,h)anthracene	28.106	278	149350	3.851	ng	97
92) Benzo(g,h,i)perylene	29.146	276	144316	3.690	ng	# 94

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

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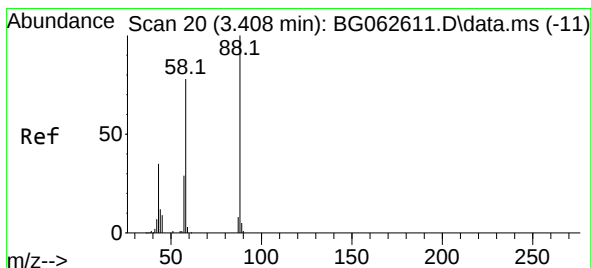
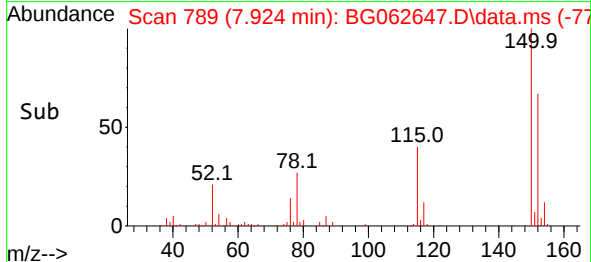
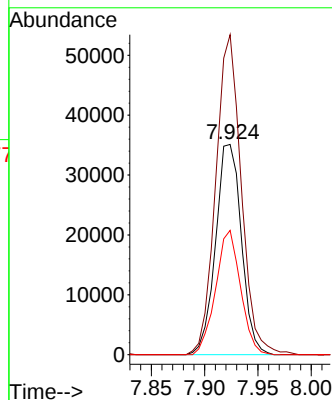
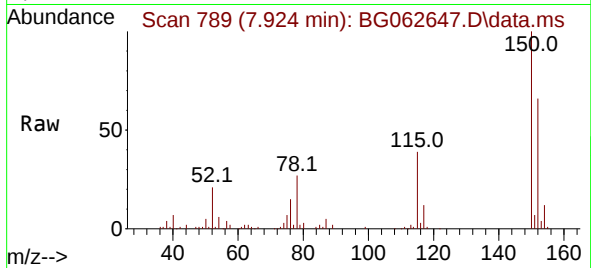




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.924 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

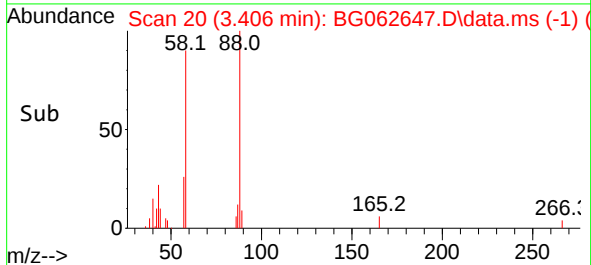
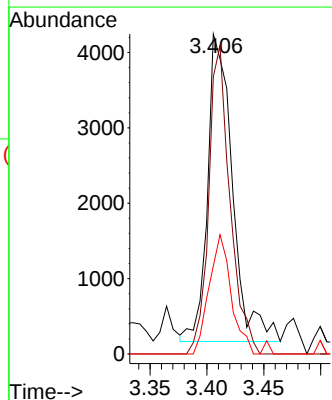
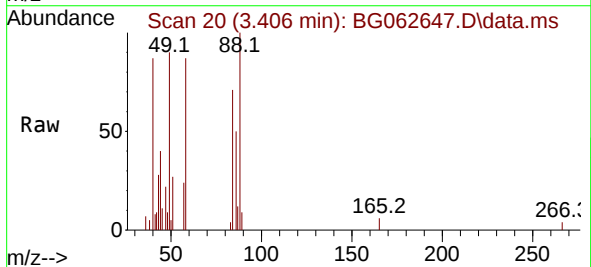
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

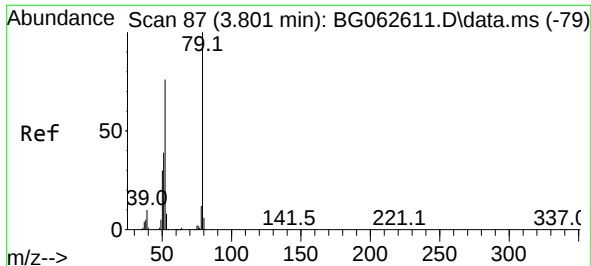
Tgt Ion:152 Resp: 59042
Ion Ratio Lower Upper
152 100
150 152.2 119.9 179.9
115 59.1 46.6 69.8



#2
1,4-Dioxane
Concen: 4.376 ng
RT: 3.406 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion: 88 Resp: 6227
Ion Ratio Lower Upper
88 100
58 85.5 62.3 93.5
43 34.3 27.5 41.3

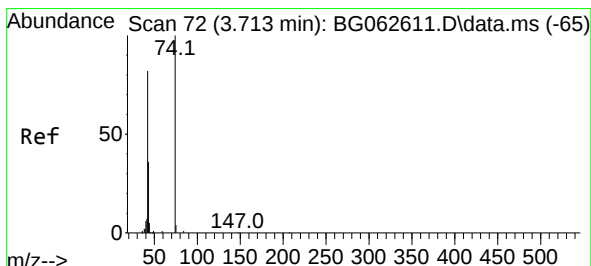
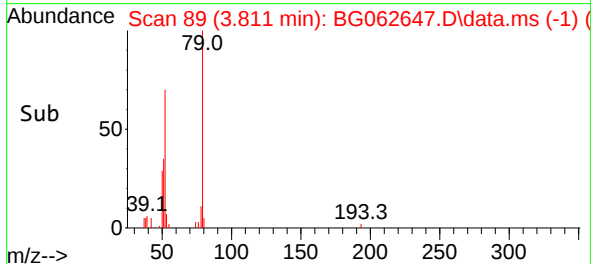
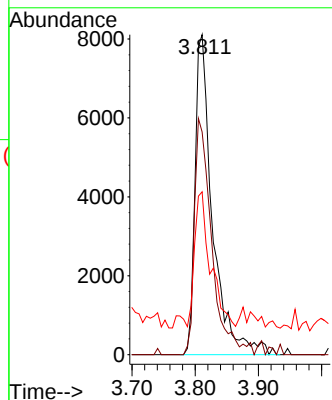
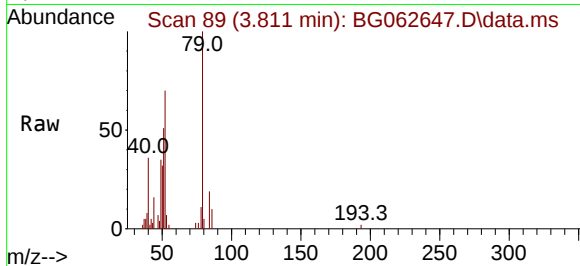




#3
 Pyridine
 Concen: 3.805 ng
 RT: 3.811 min Scan# 89
 Delta R.T. 0.010 min
 Lab File: BG062647.D
 Acq: 4 Sep 2024 17:41

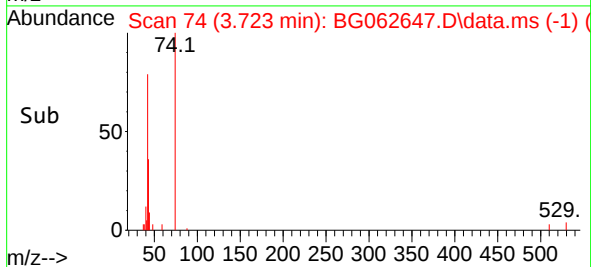
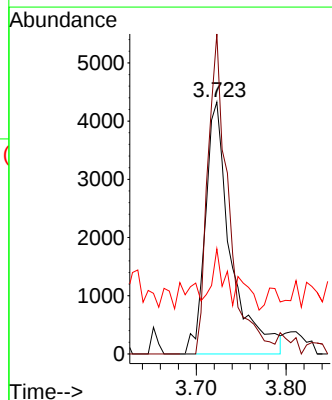
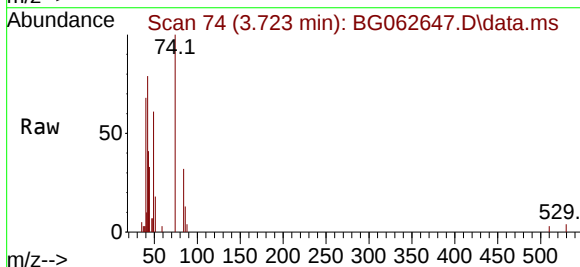
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

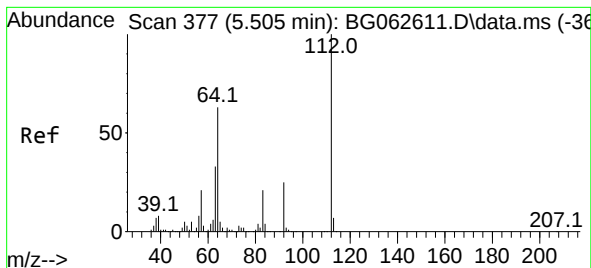
Tgt Ion: 79 Resp: 15602
 Ion Ratio Lower Upper
 79 100
 52 69.6 60.9 91.3
 51 50.9 31.5 47.3#



#4
 n-Nitrosodimethylamine
 Concen: 4.269 ng
 RT: 3.723 min Scan# 74
 Delta R.T. 0.010 min
 Lab File: BG062647.D
 Acq: 4 Sep 2024 17:41

Tgt Ion: 42 Resp: 8508
 Ion Ratio Lower Upper
 42 100
 74 127.0 98.0 147.0
 44 41.8 7.4 11.2#





#5

2-Fluorophenol

Concen: 119.650 ng

RT: 5.503 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG062647.D

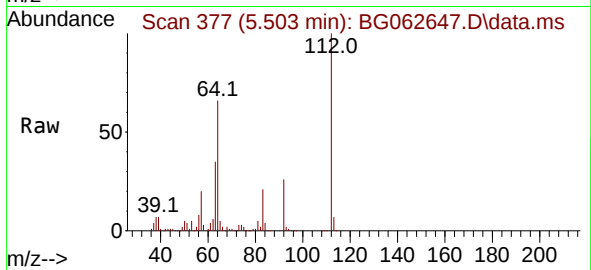
Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



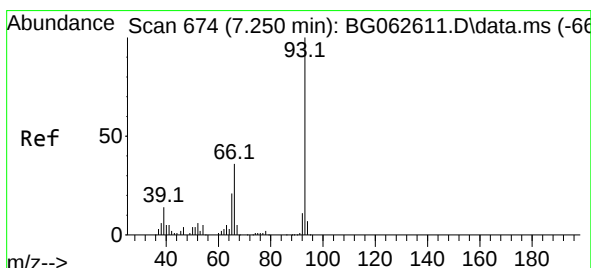
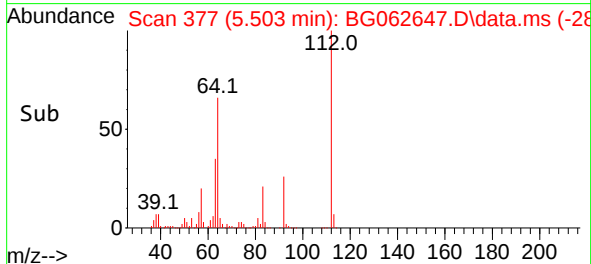
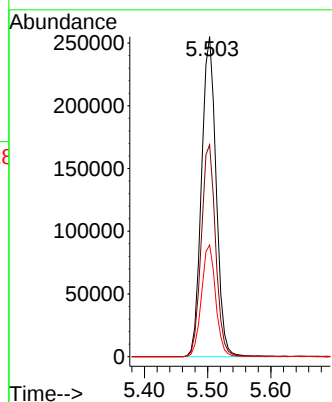
Tgt Ion:112 Resp: 408691

Ion Ratio Lower Upper

112 100

64 66.2 50.2 75.2

63 34.9 26.6 39.8



#6

Aniline

Concen: 4.322 ng

RT: 7.248 min Scan# 674

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

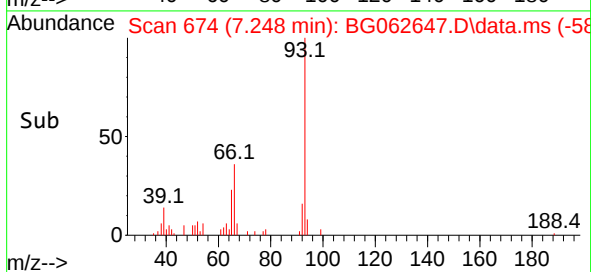
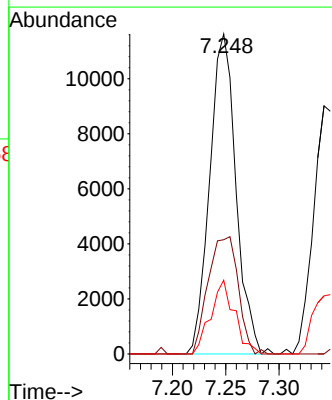
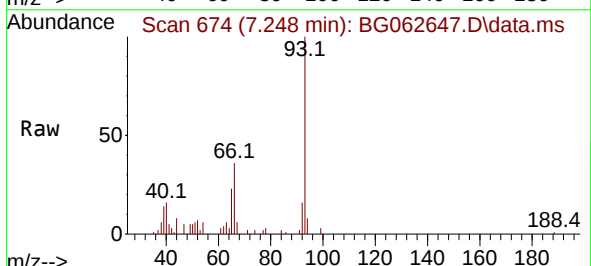
Tgt Ion: 93 Resp: 19924

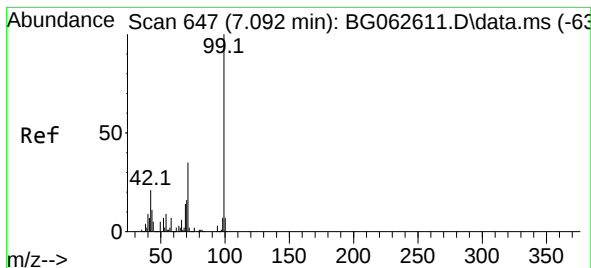
Ion Ratio Lower Upper

93 100

66 35.7 29.1 43.7

65 23.0 16.6 25.0





#7

Phenol-d6

Concen: 116.212 ng

RT: 7.089 min Scan# 647

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

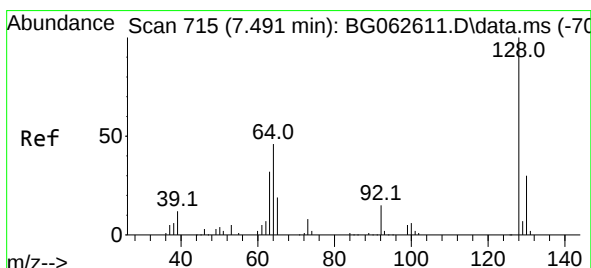
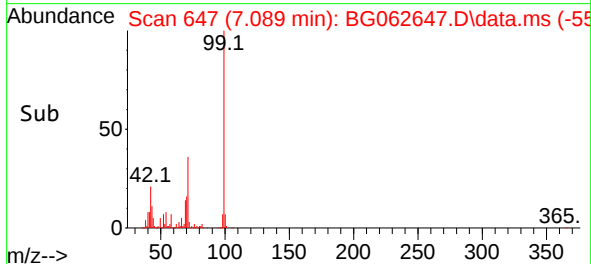
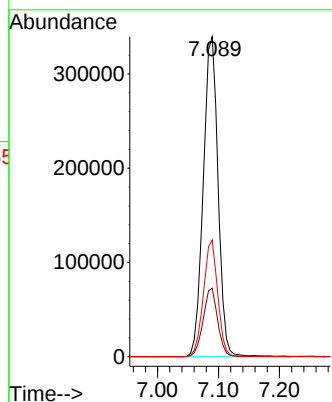
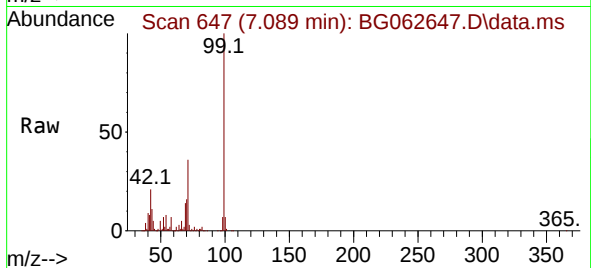
Tgt Ion: 99 Resp: 573449

Ion Ratio Lower Upper

99 100

42 21.4 16.9 25.3

71 36.4 27.9 41.9



#8

2-Chlorophenol

Concen: 3.815 ng

RT: 7.489 min Scan# 715

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

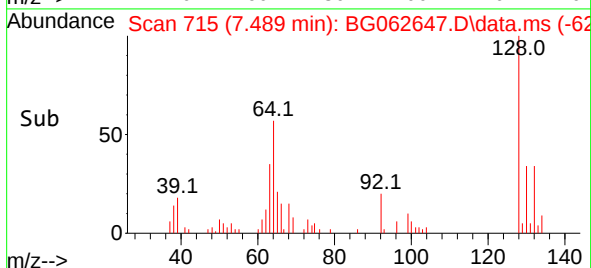
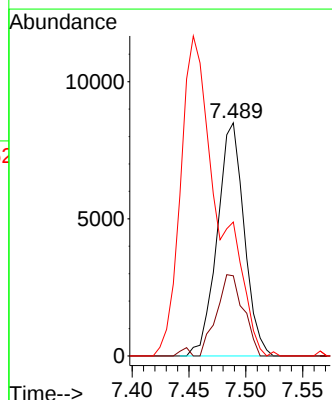
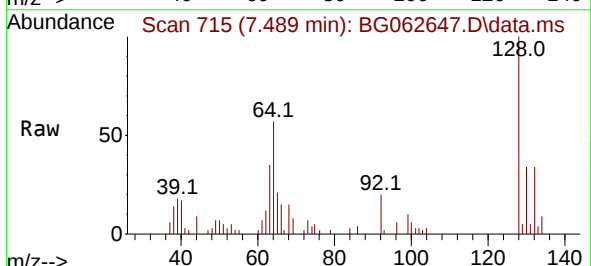
Tgt Ion:128 Resp: 13990

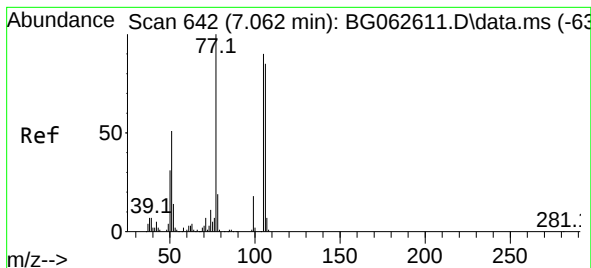
Ion Ratio Lower Upper

128 100

130 34.4 10.0 50.0

64 57.4 28.8 68.8





#9

Benzaldehyde

Concen: 5.310 ng m

RT: 7.066 min Scan# 642

Delta R.T. 0.004 min

Lab File: BG062647.D

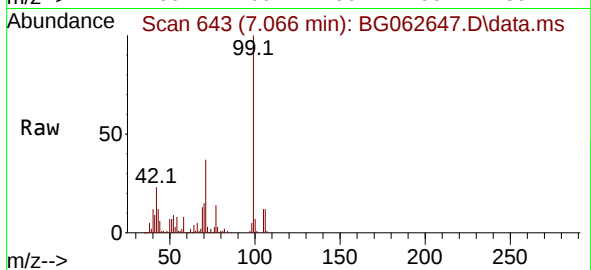
Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

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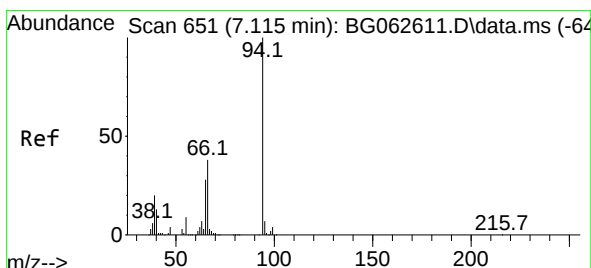
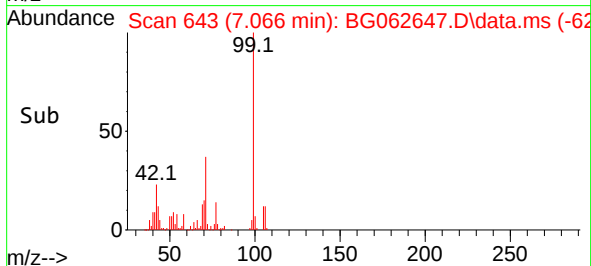
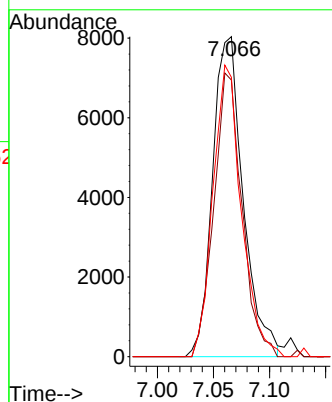
Tgt Ion: 77 Resp: 15241

Ion Ratio Lower Upper

77 100

105 86.5 70.2 110.2

106 87.3 65.4 105.4



#10

Phenol

Concen: 3.822 ng

RT: 7.113 min Scan# 651

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

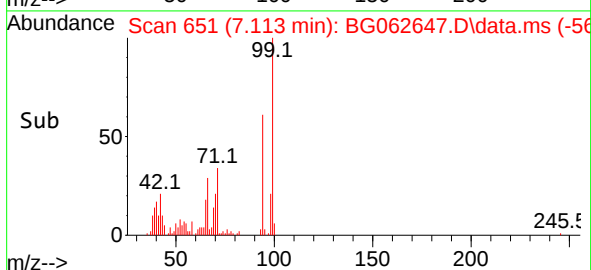
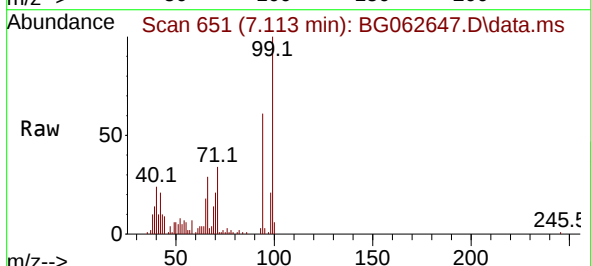
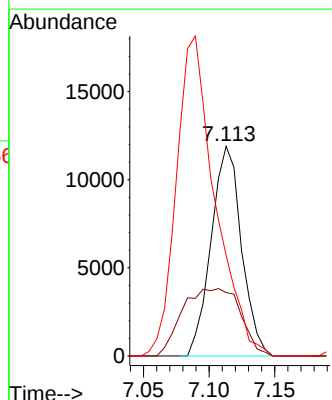
Tgt Ion: 94 Resp: 19092

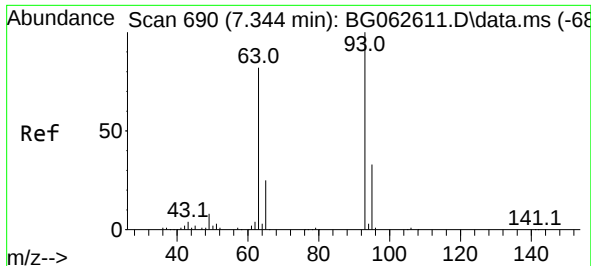
Ion Ratio Lower Upper

94 100

65 30.3 8.6 48.6

66 48.0 18.2 58.2

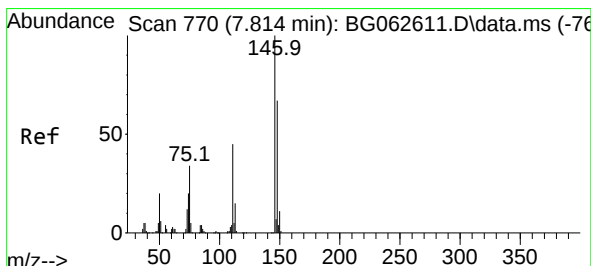
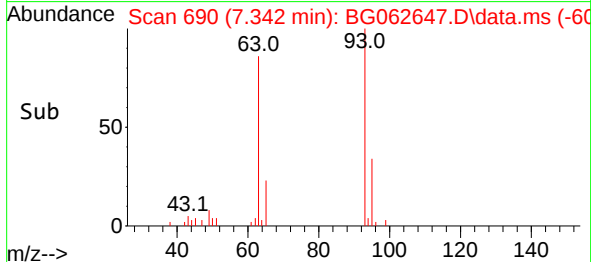
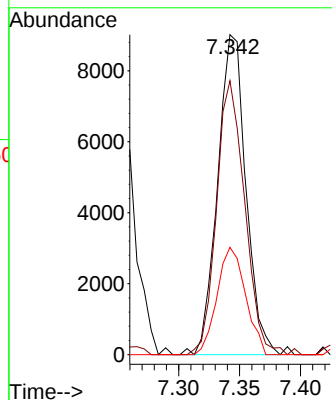
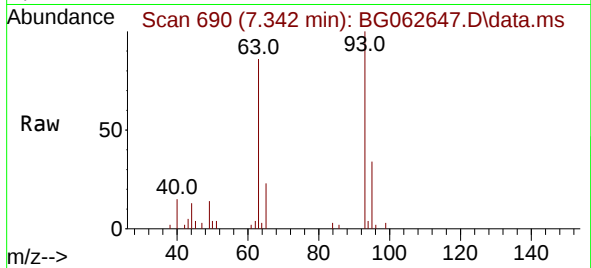




#11
bis(2-Chloroethyl)ether
Concen: 3.811 ng
RT: 7.342 min Scan# 690
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

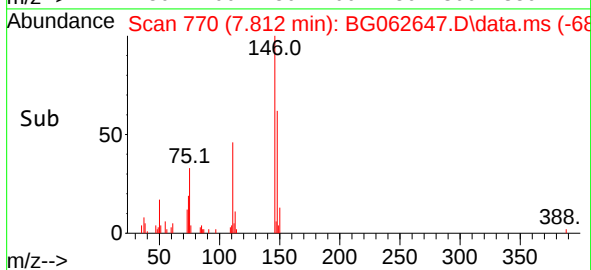
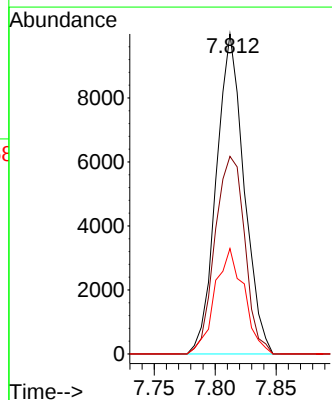
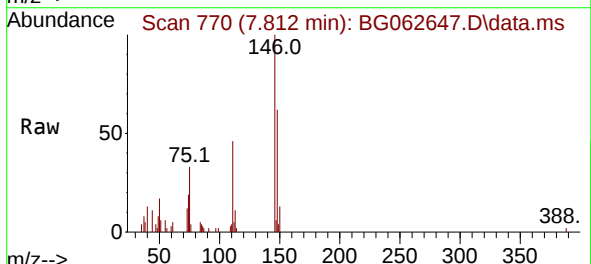
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

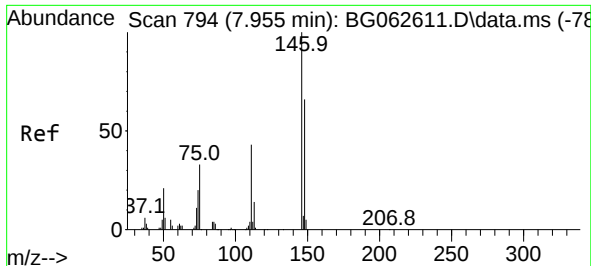
Tgt Ion:	93	Resp:	14575
Ion	Ratio	Lower	Upper
93	100		
63	85.6	61.9	101.9
95	33.5	12.9	52.9



#12
1,3-Dichlorobenzene
Concen: 3.943 ng
RT: 7.812 min Scan# 770
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:	146	Resp:	15866
Ion	Ratio	Lower	Upper
146	100		
148	61.8	53.9	80.9
75	33.0	27.0	40.4

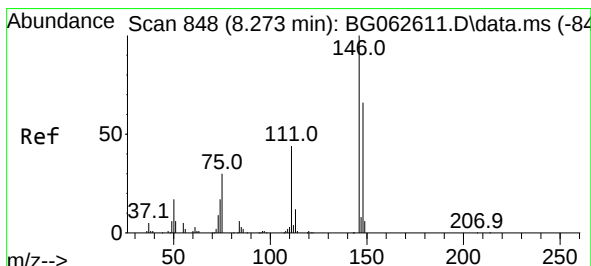
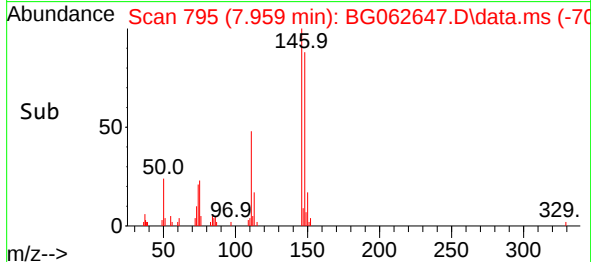
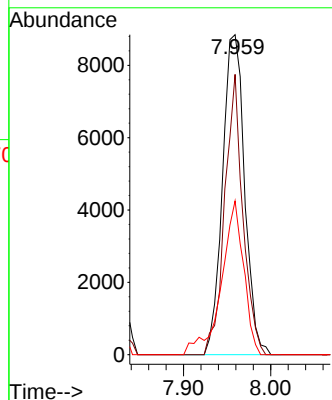
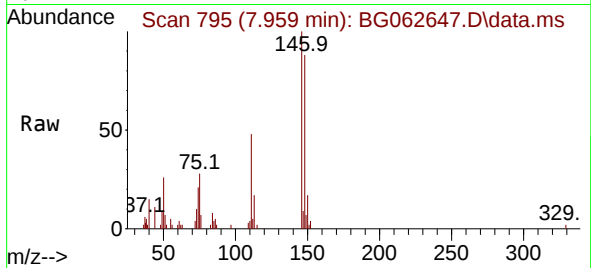




#13
1,4-Dichlorobenzene
Concen: 3.761 ng m
RT: 7.959 min Scan# 794
Delta R.T. 0.004 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

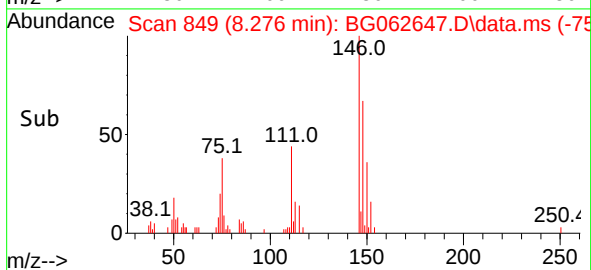
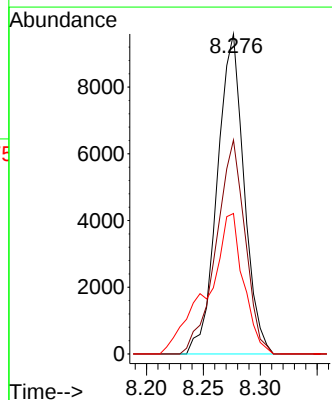
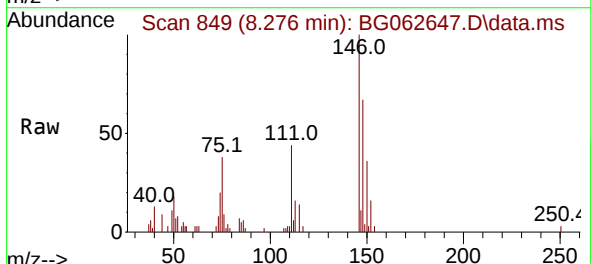
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

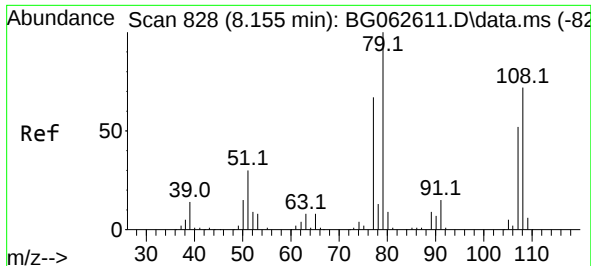
Tgt Ion:146 Resp: 15576
Ion Ratio Lower Upper
146 100
148 87.6 53.0 79.6#
111 48.1 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 3.851 ng
RT: 8.276 min Scan# 849
Delta R.T. 0.004 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:146 Resp: 15677
Ion Ratio Lower Upper
146 100
148 66.9 52.5 78.7
111 43.9 35.5 53.3

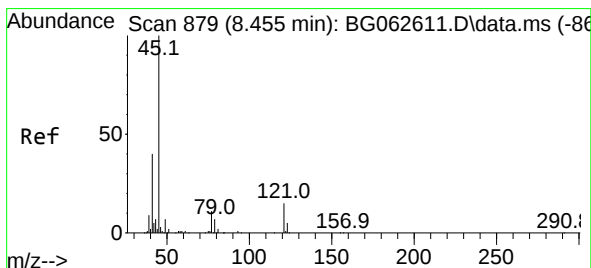
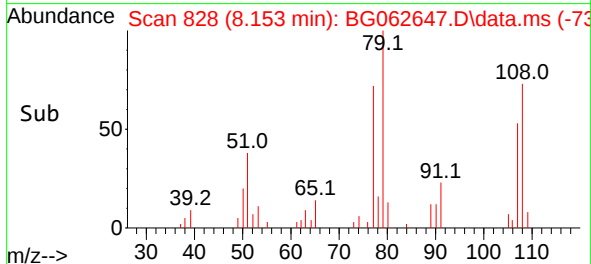
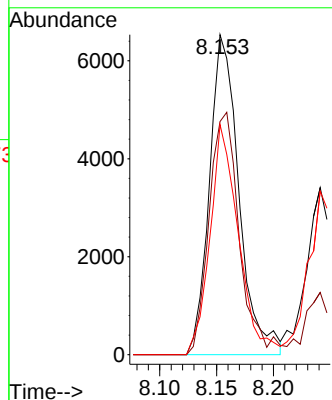
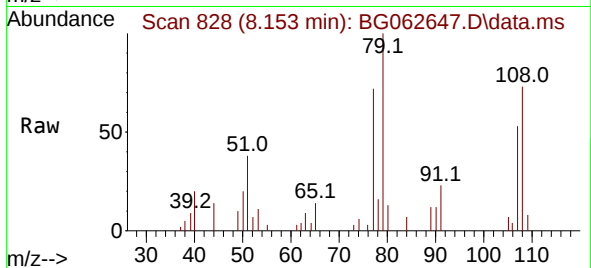




#15
Benzyl Alcohol
Concen: 3.226 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

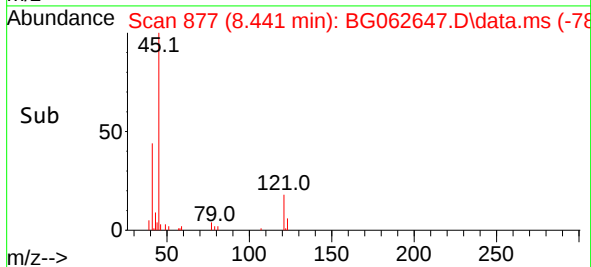
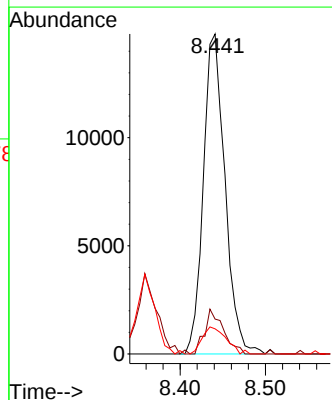
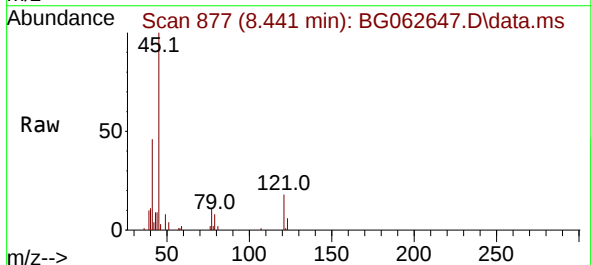
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

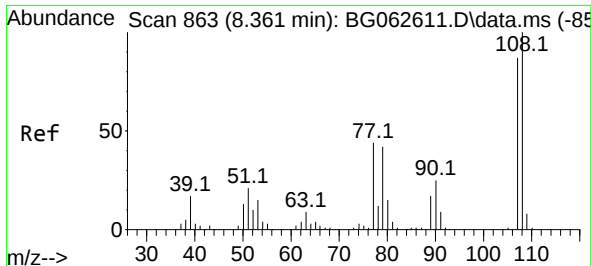
Tgt Ion: 79 Resp: 11778
Ion Ratio Lower Upper
79 100
108 72.8 57.9 86.9
77 71.9 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.594 ng
RT: 8.441 min Scan# 877
Delta R.T. -0.014 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

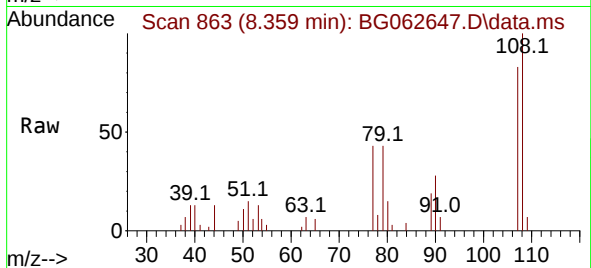
Tgt Ion: 45 Resp: 26195
Ion Ratio Lower Upper
45 100
77 10.9 0.0 31.7
79 7.9 0.0 28.3



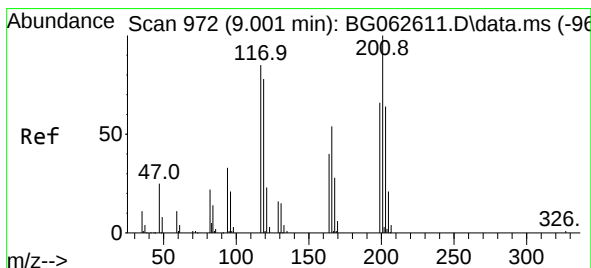
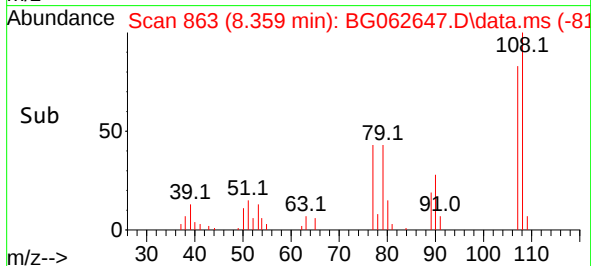
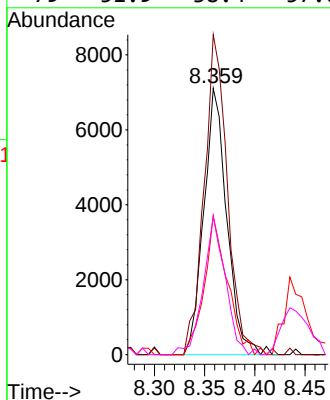


#17
2-Methylphenol
Concen: 3.265 ng
RT: 8.359 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

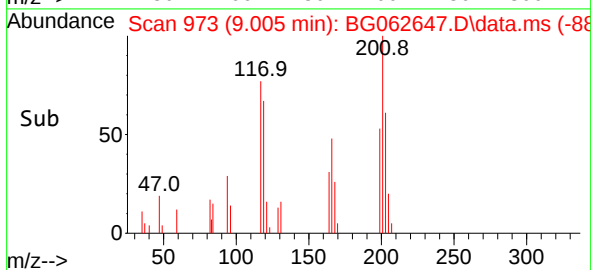
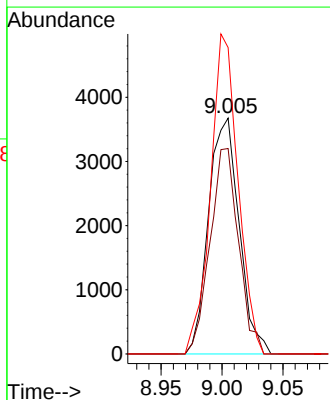
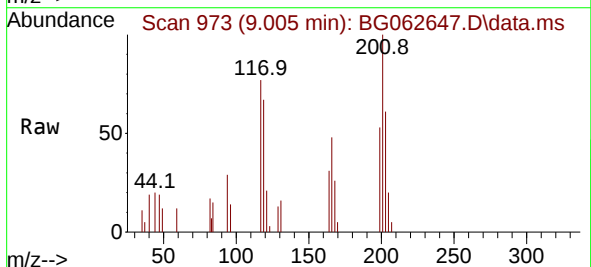


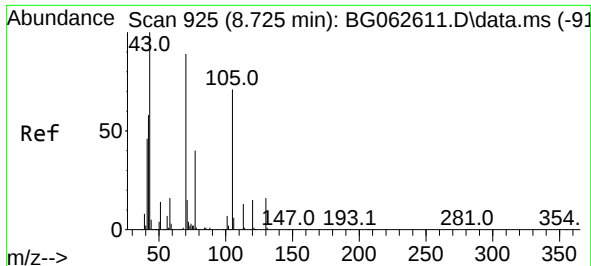
Tgt Ion:	107	Resp:	11368
Ion	Ratio	Lower	Upper
107	100		
108	120.1	91.5	137.3
77	52.2	40.0	60.0
79	51.9	38.4	57.6



#18
Hexachloroethane
Concen: 4.128 ng
RT: 9.005 min Scan# 973
Delta R.T. 0.004 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:	117	Resp:	6411
Ion	Ratio	Lower	Upper
117	100		
119	87.1	73.4	110.0
201	130.0	93.9	140.9



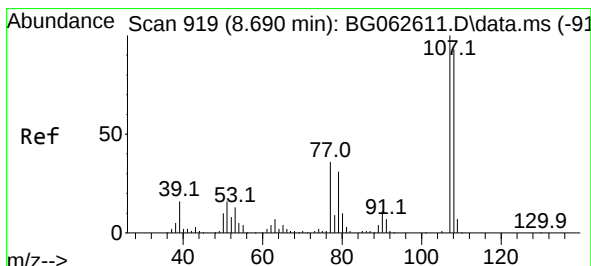
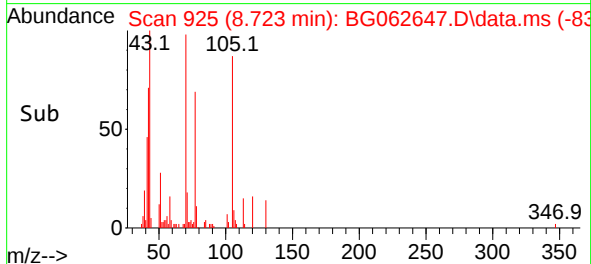
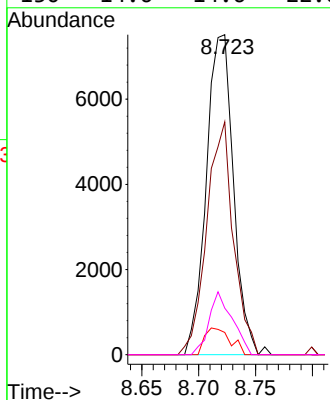
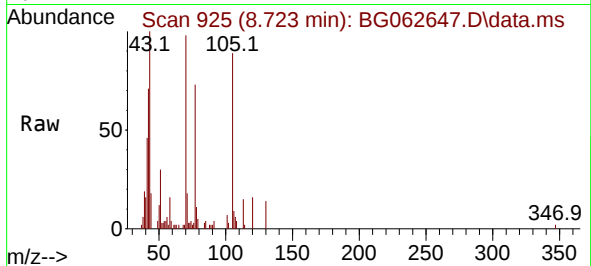


#19
n-Nitroso-di-n-propylamine
Concen: 3.216 ng
RT: 8.723 min Scan# 918
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 70 Resp: 12505

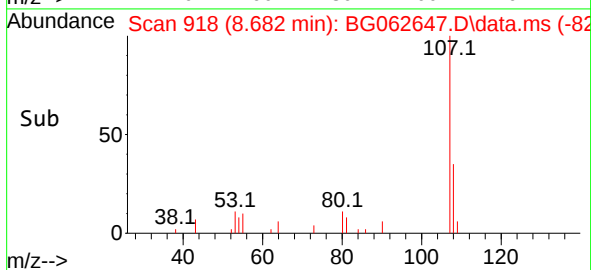
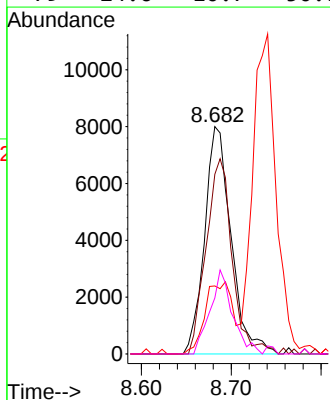
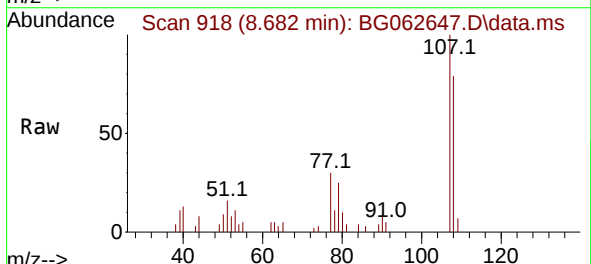
Ion	Ratio	Lower	Upper
70	100		
42	72.8	52.3	78.5
101	6.9	6.6	9.8
130	14.6	14.6	22.0

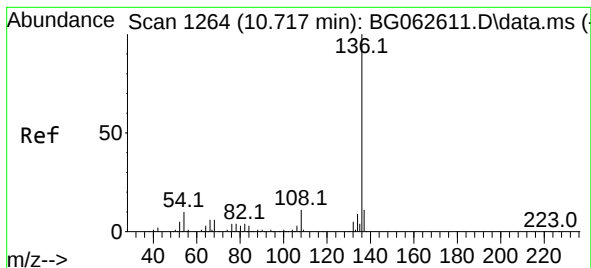


#20
3+4-Methylphenols
Concen: 3.194 ng
RT: 8.682 min Scan# 918
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion: 107 Resp: 16408

Ion	Ratio	Lower	Upper
107	100		
108	79.1	72.7	112.7
77	29.9	16.5	56.5
79	24.6	10.7	50.7

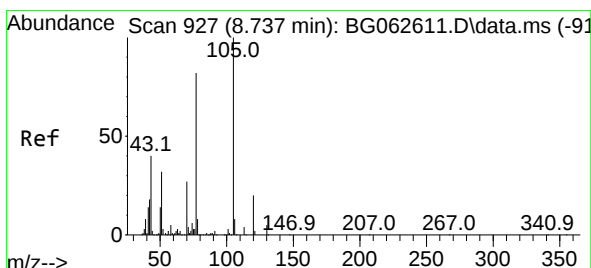
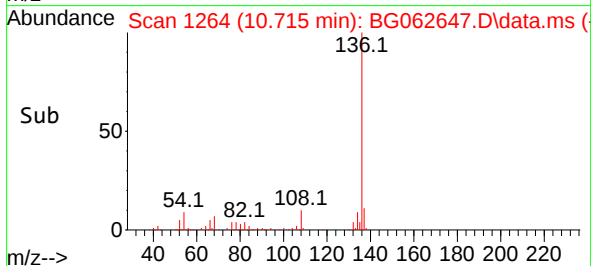
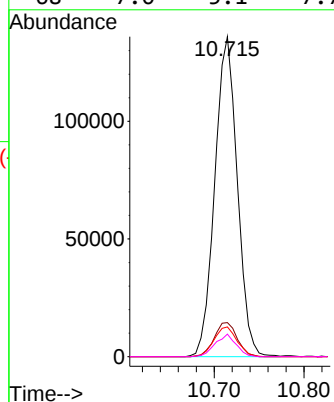
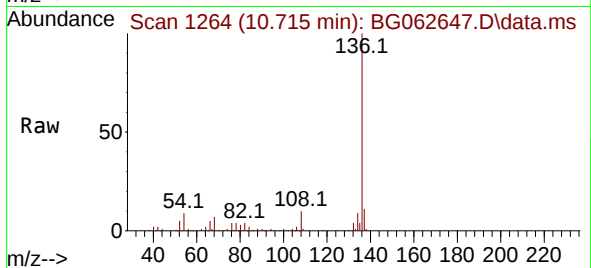




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.715 min Scan# 1264
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

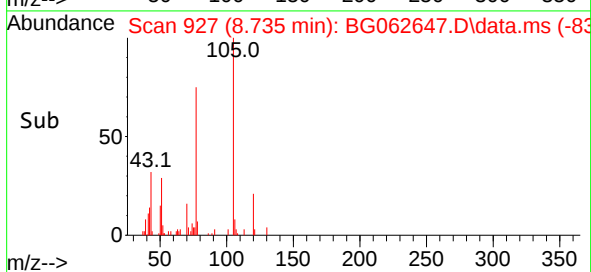
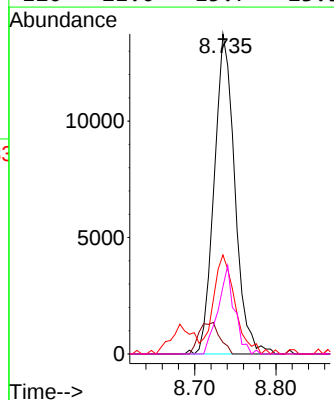
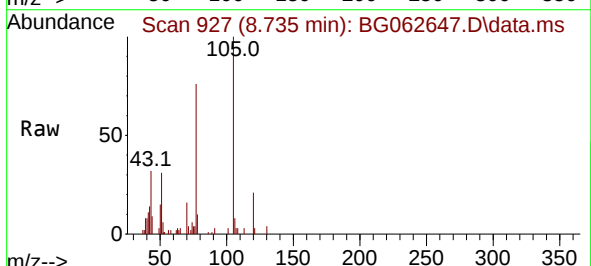
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

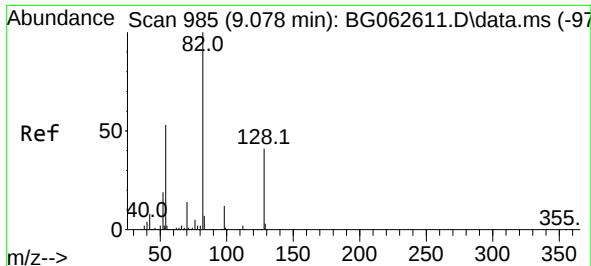
Tgt Ion:	136	Resp:	236419
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	9.3	7.8	11.6
68	7.0	5.1	7.7



#22
Acetophenone
Concen: 3.802 ng
RT: 8.735 min Scan# 927
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:	105	Resp:	24251
Ion	Ratio	Lower	Upper
105	100		
71	3.6	3.5	5.3
51	30.9	25.7	38.5
120	21.0	15.7	23.5

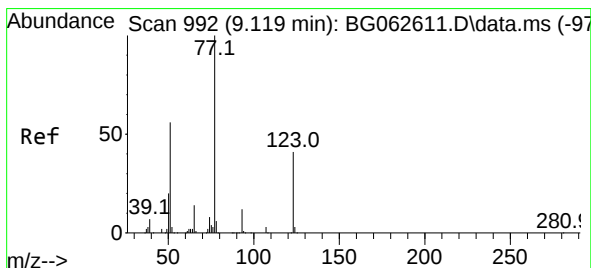
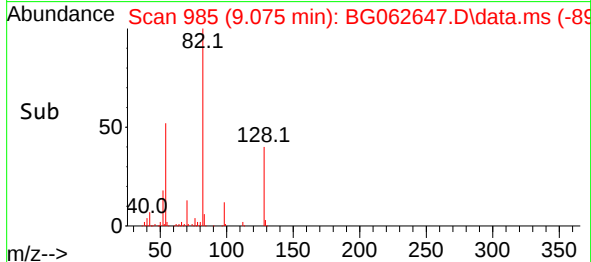
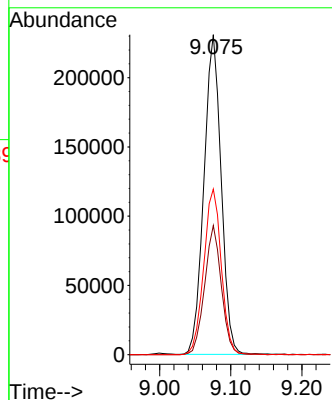
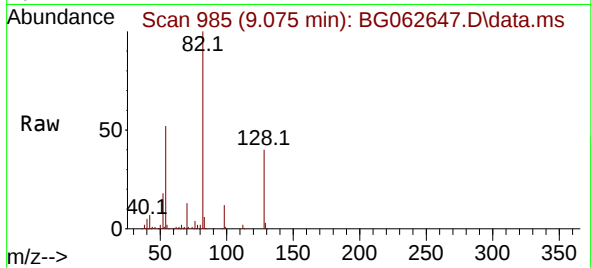




#23
Nitrobenzene-d5
Concen: 88.719 ng
RT: 9.075 min Scan# 91
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

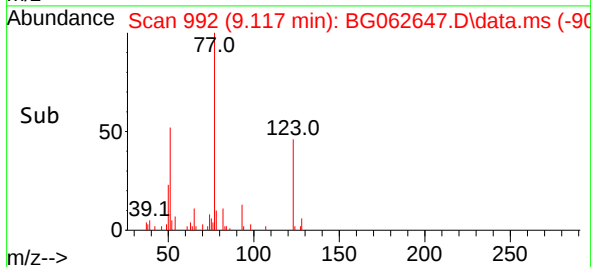
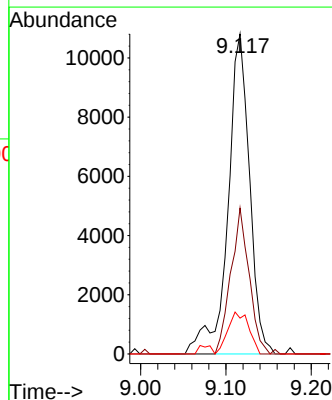
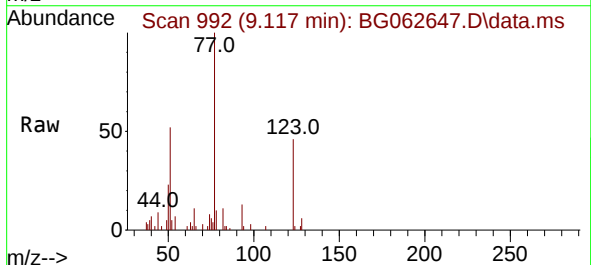
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

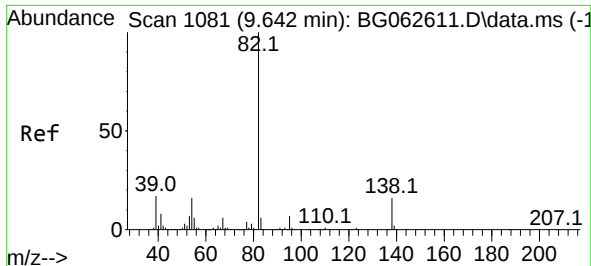
Tgt Ion: 82 Resp: 389458
Ion Ratio Lower Upper
82 100
128 40.4 32.5 48.7
54 51.7 42.5 63.7



#24
Nitrobenzene
Concen: 4.093 ng
RT: 9.117 min Scan# 992
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion: 77 Resp: 19102
Ion Ratio Lower Upper
77 100
123 45.6 33.1 49.7
65 11.2 11.0 16.4

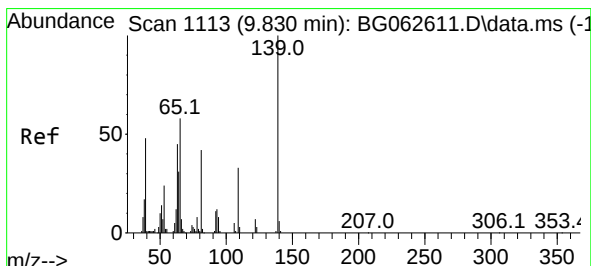
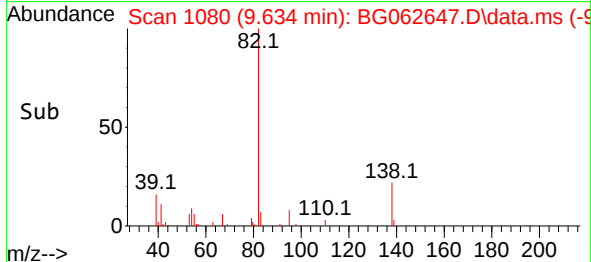
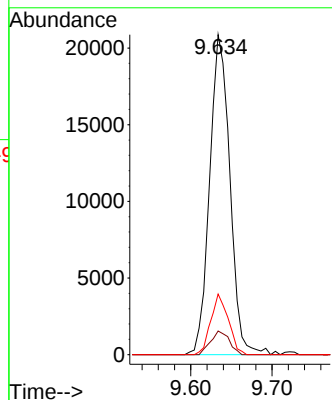
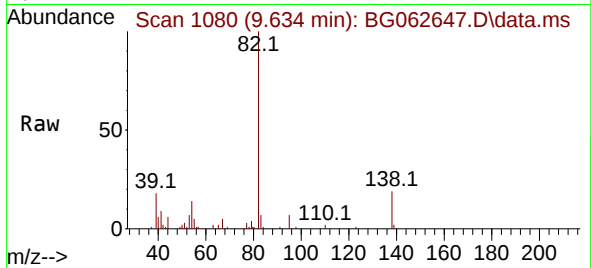




#25
Isophorone
Concen: 3.757 ng
RT: 9.634 min Scan# 1080
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

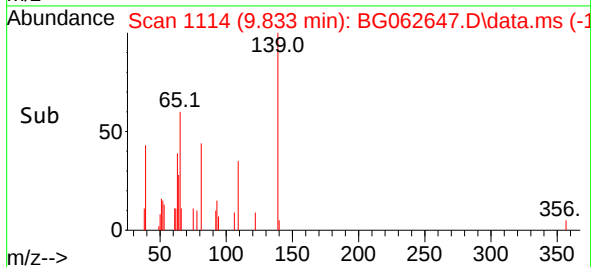
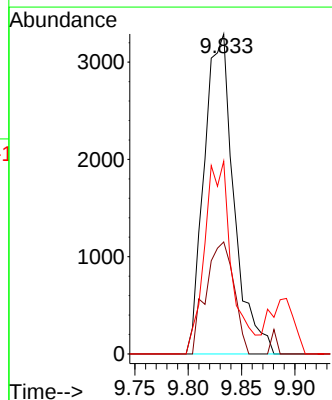
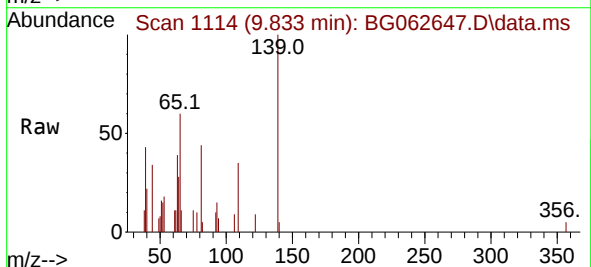
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

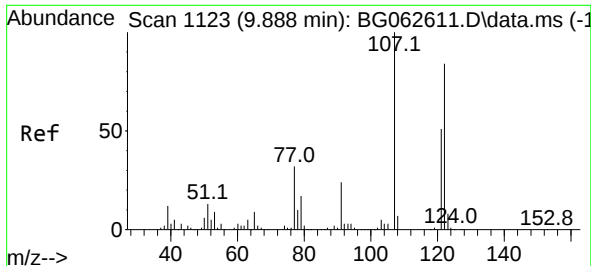
Tgt Ion: 82 Resp: 36204
Ion Ratio Lower Upper
82 100
95 7.4 5.4 8.0
138 18.9 12.6 18.8#



#26
2-Nitrophenol
Concen: 3.610 ng
RT: 9.833 min Scan# 1114
Delta R.T. 0.004 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:139 Resp: 6366
Ion Ratio Lower Upper
139 100
109 35.0 26.6 39.8
65 60.2 46.5 69.7





#27

2,4-Dimethylphenol

Concen: 3.051 ng

RT: 9.892 min Scan# 1123

Delta R.T. 0.004 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

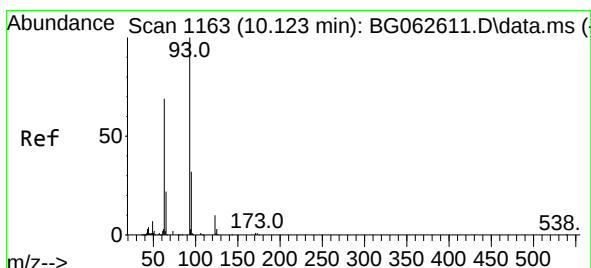
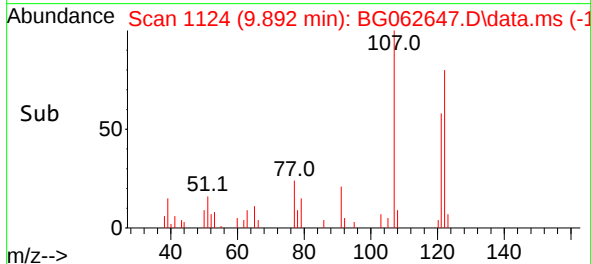
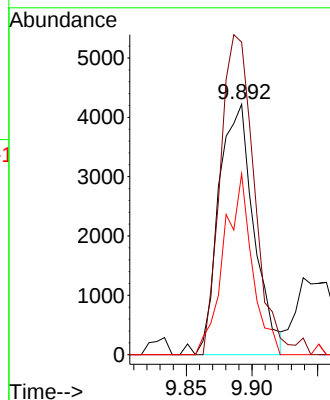
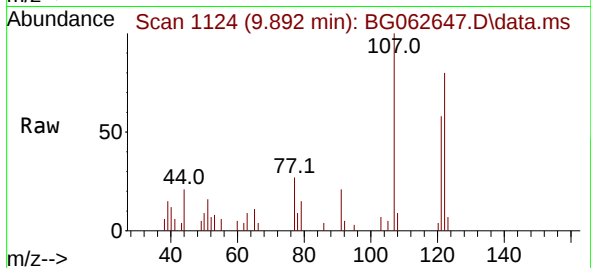
Tgt Ion:122 Resp: 7883

Ion Ratio Lower Upper

122 100

107 124.8 95.8 143.6

121 72.2 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 3.943 ng

RT: 10.121 min Scan# 1163

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

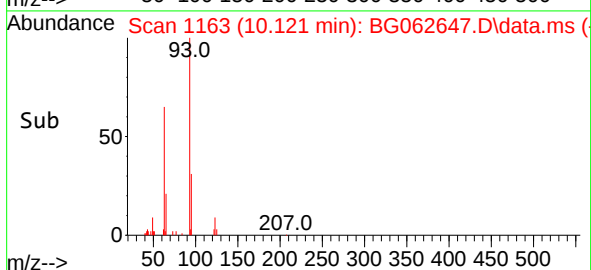
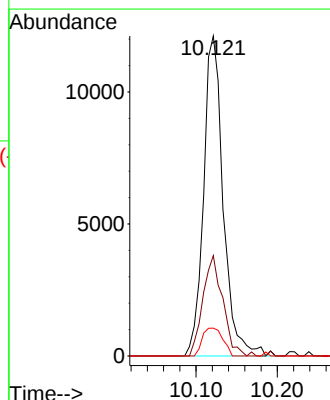
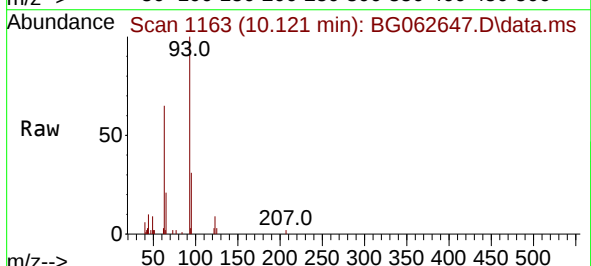
Tgt Ion: 93 Resp: 20338

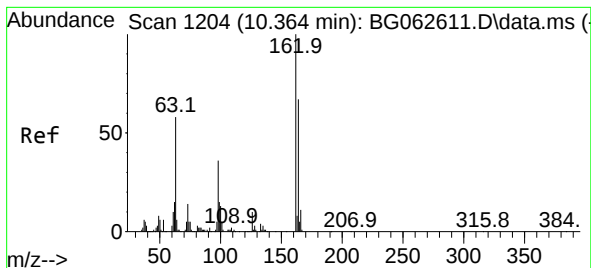
Ion Ratio Lower Upper

93 100

95 31.4 25.4 38.0

123 8.7 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 3.681 ng

RT: 10.362 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062647.D

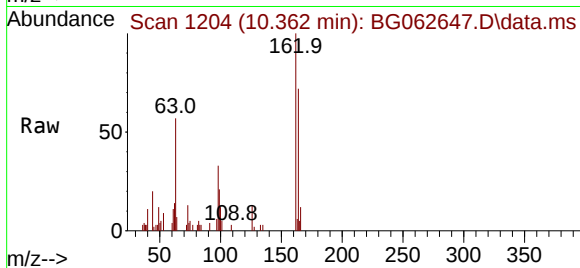
Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



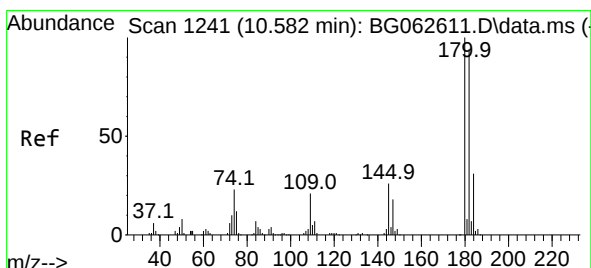
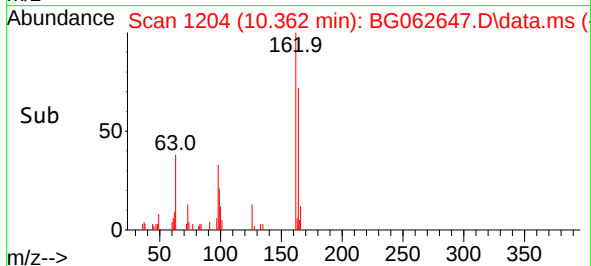
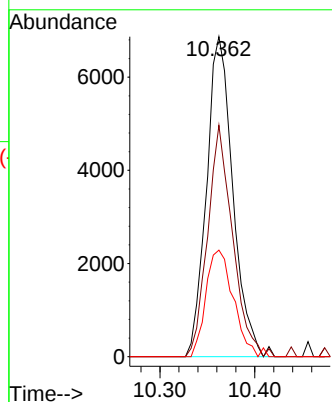
Tgt Ion:162 Resp: 13299

Ion Ratio Lower Upper

162 100

164 72.3 46.8 86.8

98 33.3 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 4.228 ng

RT: 10.580 min Scan# 1241

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

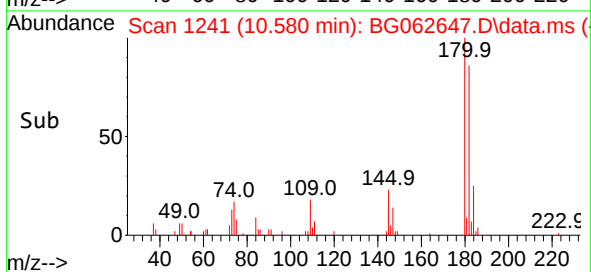
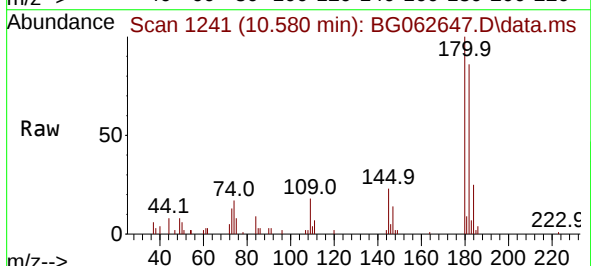
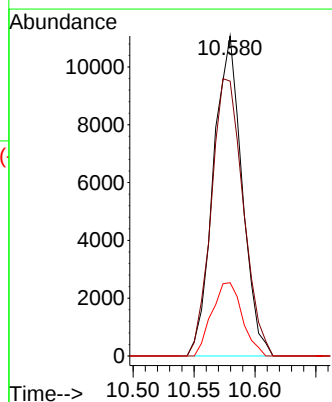
Tgt Ion:180 Resp: 18107

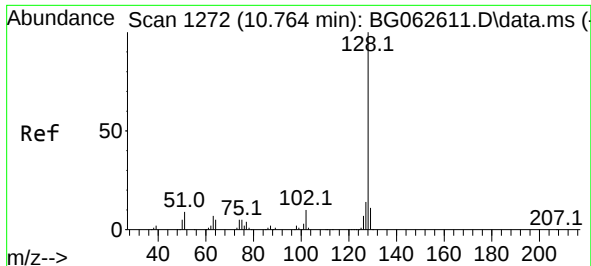
Ion Ratio Lower Upper

180 100

182 85.9 75.1 112.7

145 22.9 20.8 31.2

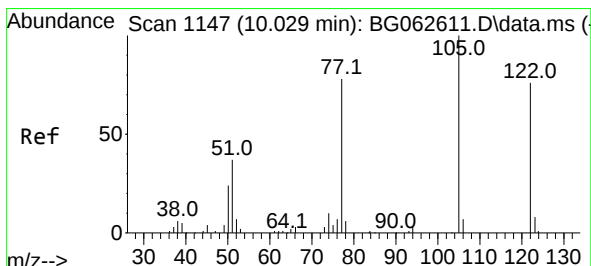
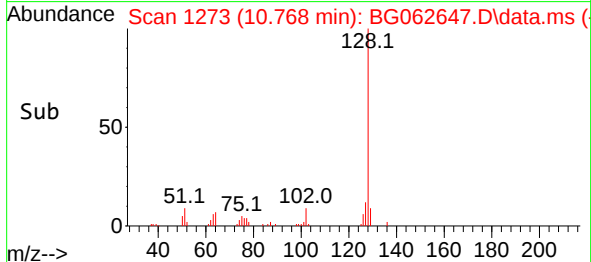
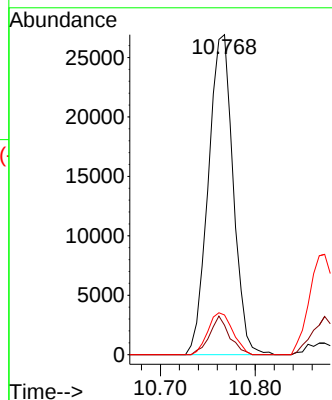
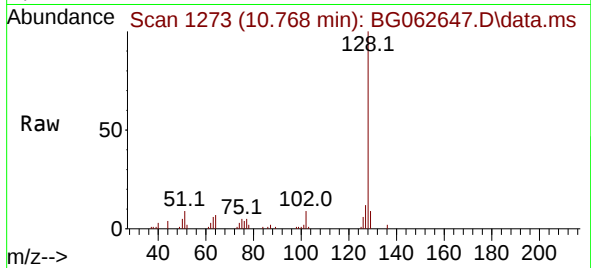




#31
Naphthalene
Concen: 4.172 ng
RT: 10.768 min Scan# 1132
Delta R.T. 0.004 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

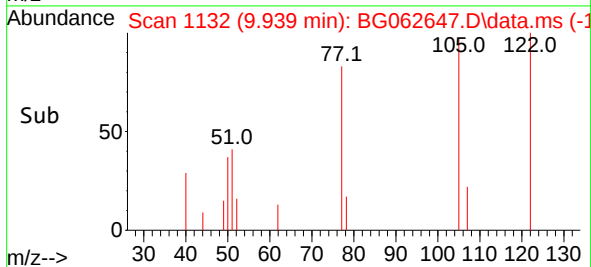
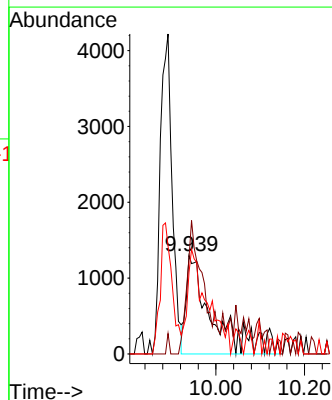
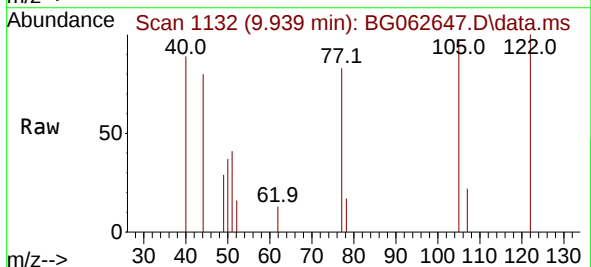
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

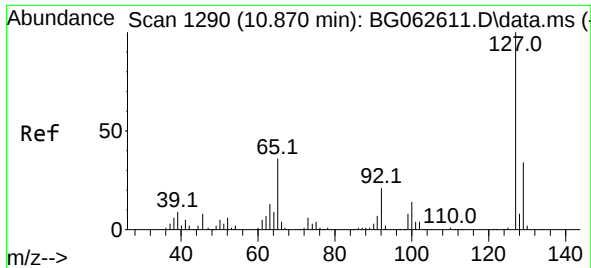
Tgt Ion:128 Resp: 48890
Ion Ratio Lower Upper
128 100
129 9.2 8.8 13.2
127 12.4 11.3 16.9



#32
Benzoic acid
Concen: 1.990 ng m
RT: 9.939 min Scan# 1132
Delta R.T. -0.090 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:122 Resp: 5532
Ion Ratio Lower Upper
122 100
105 97.5 105.7 145.7#
77 82.8 79.9 119.9

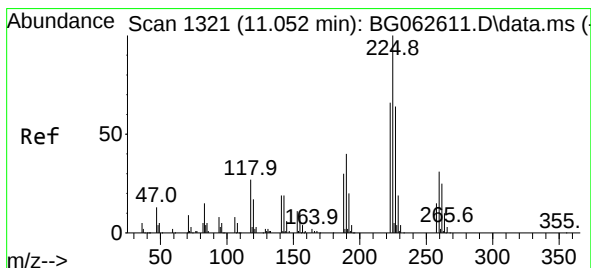
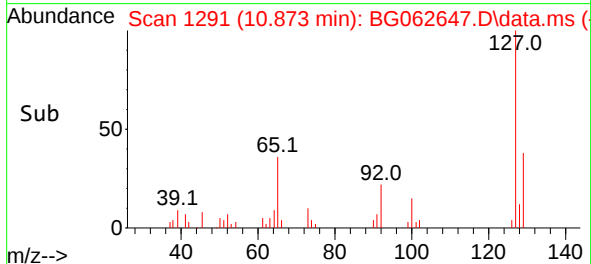
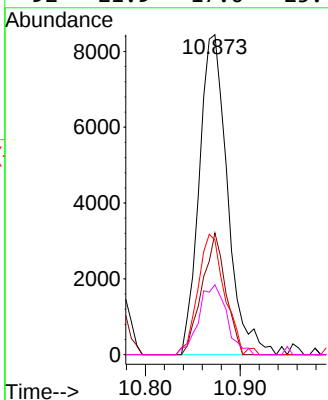
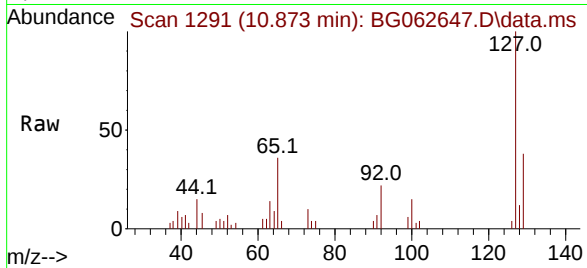




#33
4-Chloroaniline
Concen: 3.791 ng
RT: 10.873 min Scan# 1291
Delta R.T. 0.004 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

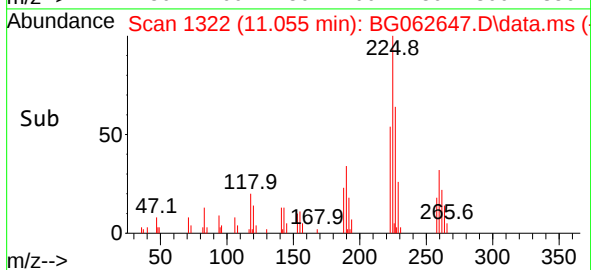
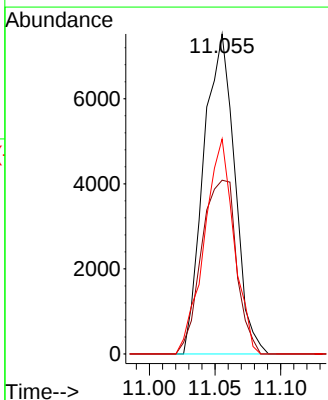
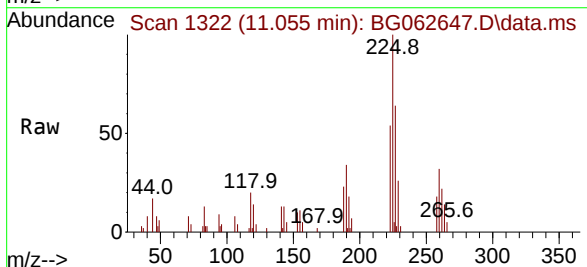
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

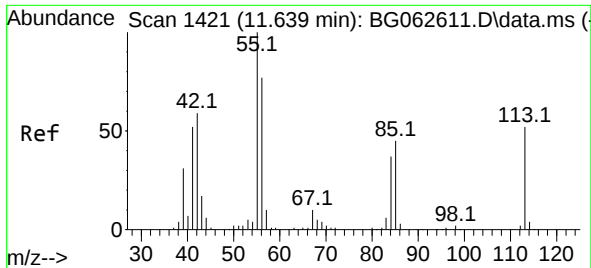
Tgt Ion:	127	Resp:	17480
Ion	Ratio	Lower	Upper
127	100		
129	38.1	27.3	40.9
65	35.8	29.0	43.4
92	21.9	17.0	25.4



#34
Hexachlorobutadiene
Concen: 4.129 ng
RT: 11.055 min Scan# 1322
Delta R.T. 0.004 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:	225	Resp:	12352
Ion	Ratio	Lower	Upper
225	100		
223	54.3	50.1	75.1
227	67.2	48.9	73.3

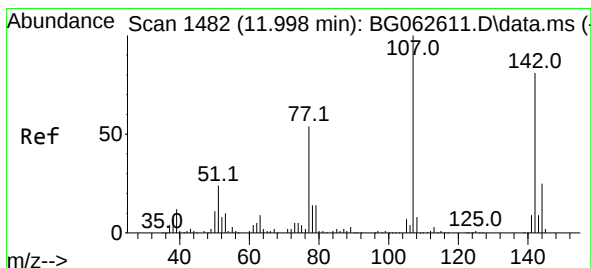
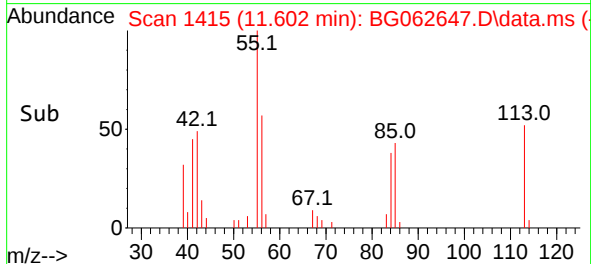
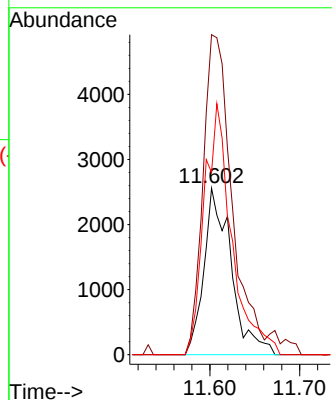
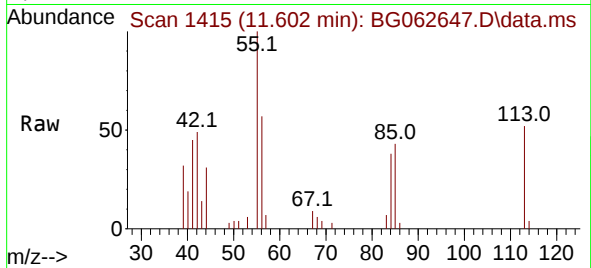




#35
Caprolactam
Concen: 3.872 ng
RT: 11.602 min Scan# 1415
Delta R.T. -0.037 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

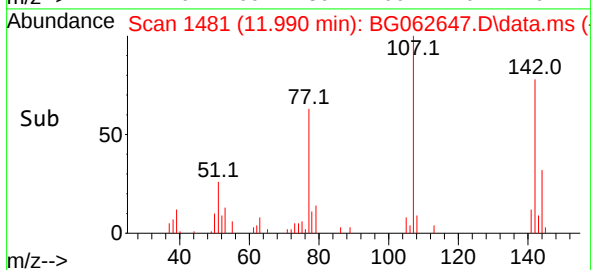
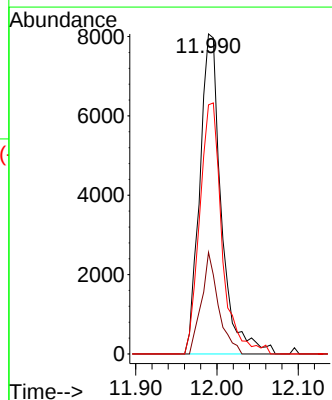
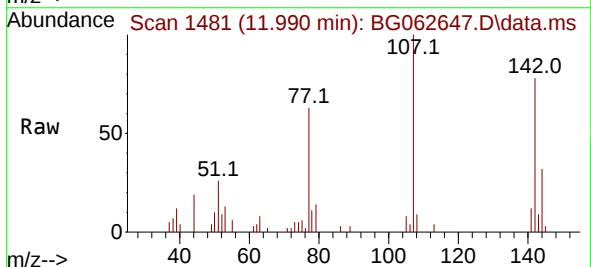
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

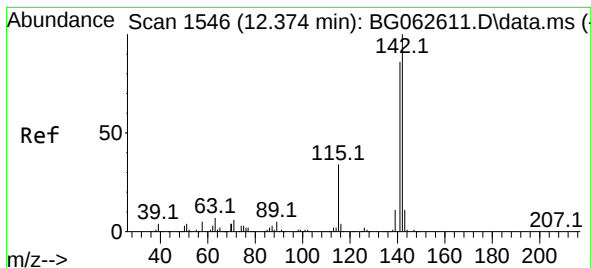
Tgt Ion:113 Resp: 5393
Ion Ratio Lower Upper
113 100
55 192.3 174.1 214.1
56 109.4 129.8 169.8#



#36
4-Chloro-3-methylphenol
Concen: 3.409 ng
RT: 11.990 min Scan# 1481
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:107 Resp: 14857
Ion Ratio Lower Upper
107 100
144 31.8 19.8 29.8#
142 77.9 64.7 97.1

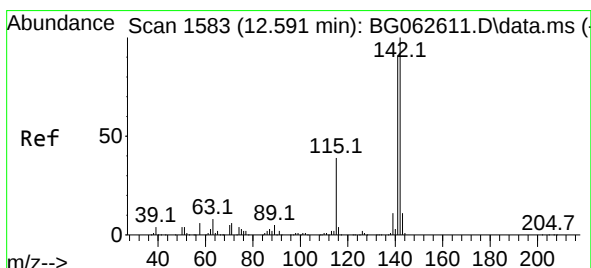
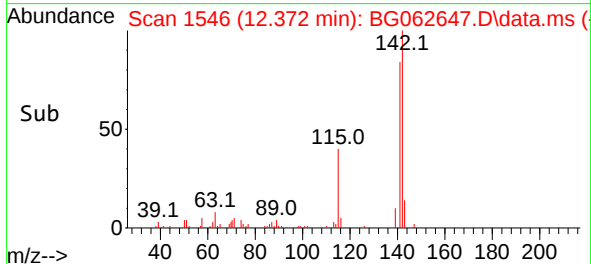
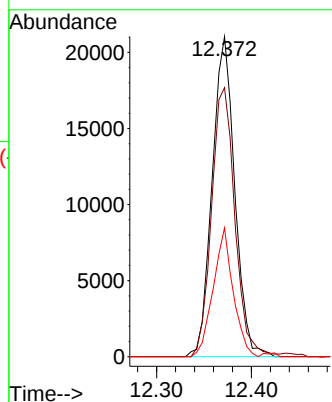
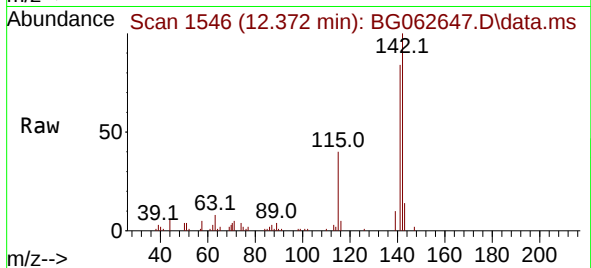




#37
2-Methylnaphthalene
Concen: 3.821 ng
RT: 12.372 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

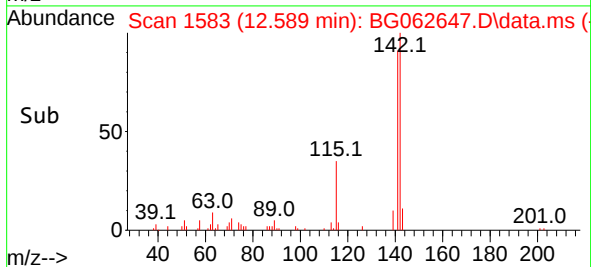
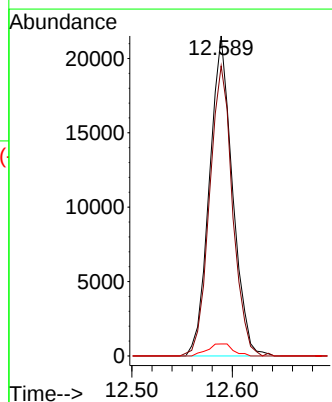
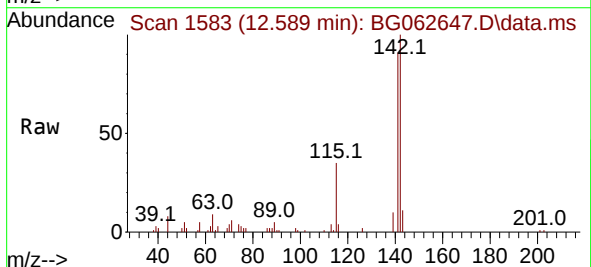
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

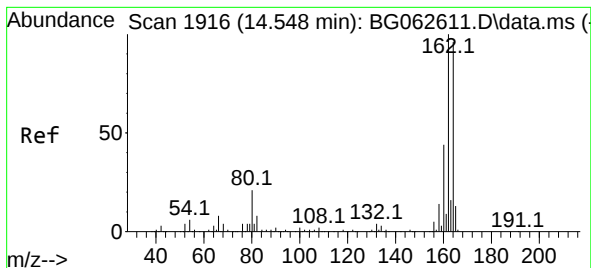
Tgt Ion:142 Resp: 34724
Ion Ratio Lower Upper
142 100
141 84.1 68.9 103.3
115 40.2 27.5 41.3



#38
1-Methylnaphthalene
Concen: 3.766 ng
RT: 12.589 min Scan# 1583
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:142 Resp: 34371
Ion Ratio Lower Upper
142 100
141 90.6 73.0 109.4
116 3.8 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1916

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

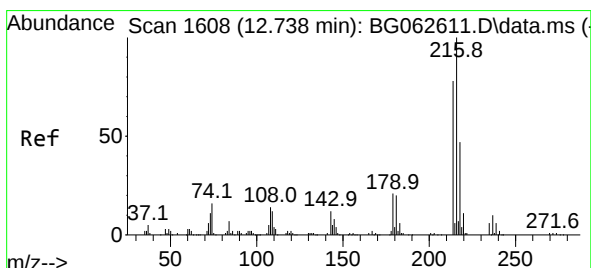
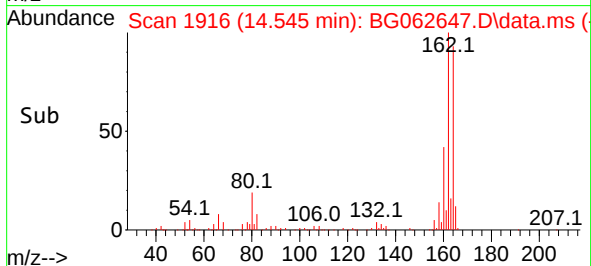
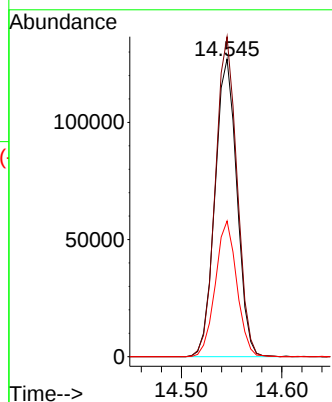
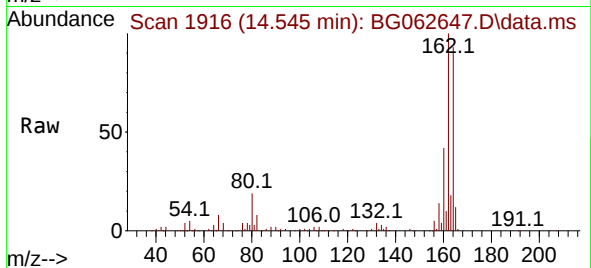
Tgt Ion:164 Resp: 192478

Ion Ratio Lower Upper

164 100

162 107.5 83.1 124.7

160 45.6 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.202 ng

RT: 12.742 min Scan# 1609

Delta R.T. 0.004 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Tgt Ion:216 Resp: 24323

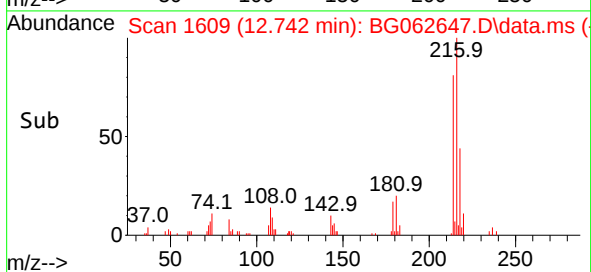
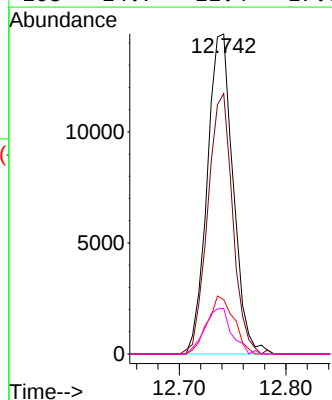
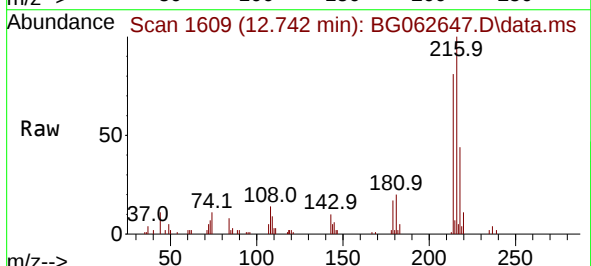
Ion Ratio Lower Upper

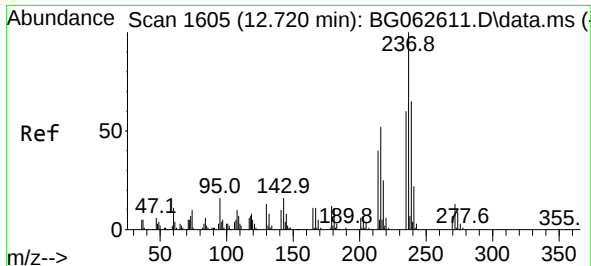
216 100

214 78.3 61.6 92.4

179 18.5 15.9 23.9

108 14.7 11.4 17.0

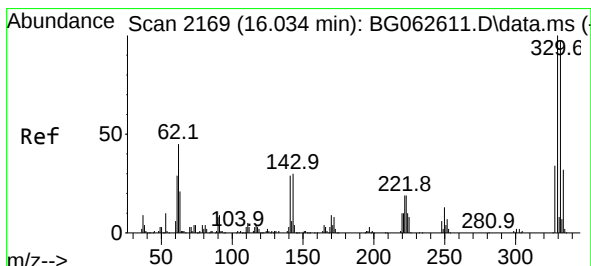
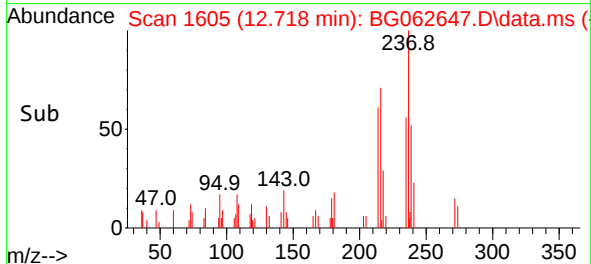
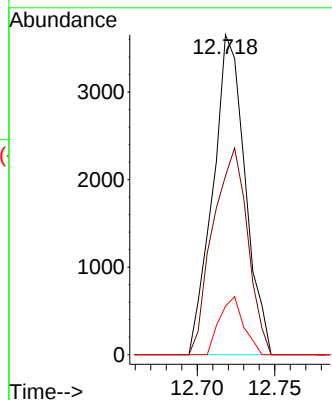
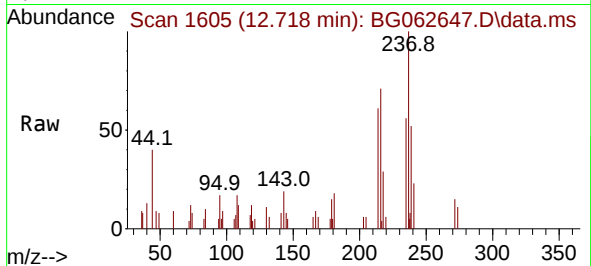




#41
Hexachlorocyclopentadiene
Concen: 3.194 ng
RT: 12.718 min Scan# 1605
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

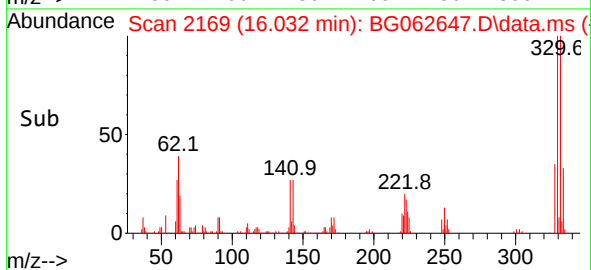
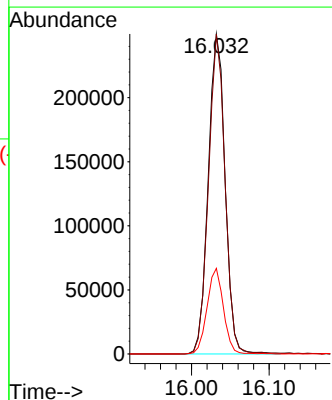
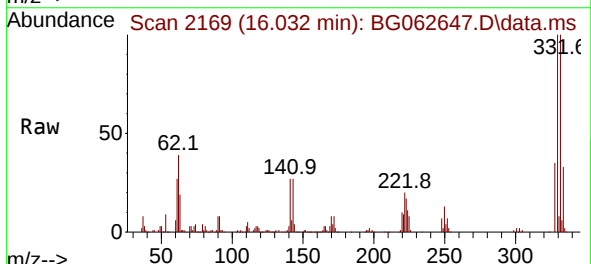
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

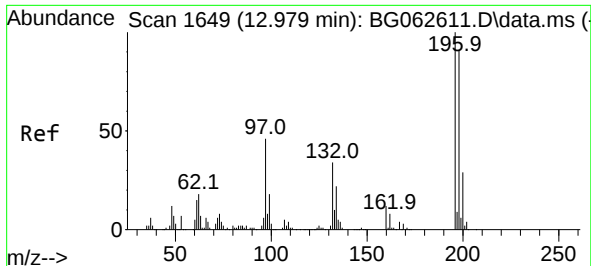
Tgt Ion:237	Resp:	5275
Ion Ratio	Lower	Upper
237	100	
235	55.9	40.4 80.4
272	15.2	0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 139.154 ng
RT: 16.032 min Scan# 2169
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:330	Resp:	376935
Ion Ratio	Lower	Upper
330	100	
332	97.6	77.2 115.8
141	26.0	22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 3.532 ng

RT: 12.977 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

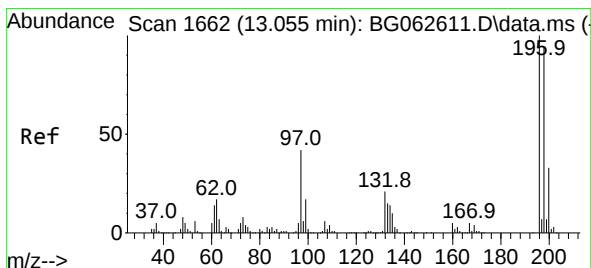
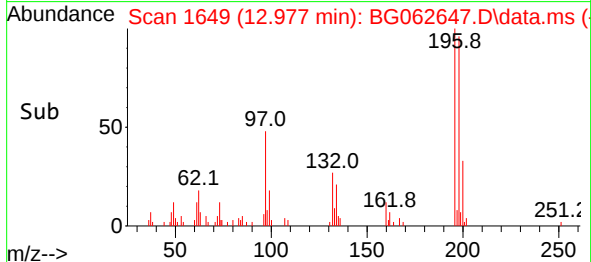
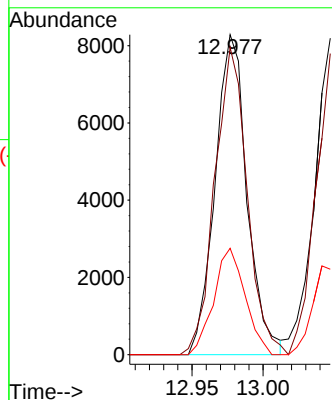
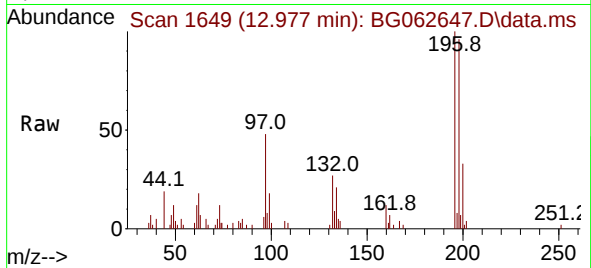
Tgt Ion:196 Resp: 12960

Ion Ratio Lower Upper

196 100

198 96.1 72.8 109.2

200 33.3 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 3.986 ng m

RT: 13.047 min Scan# 1661

Delta R.T. -0.008 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Tgt Ion:196 Resp: 16565

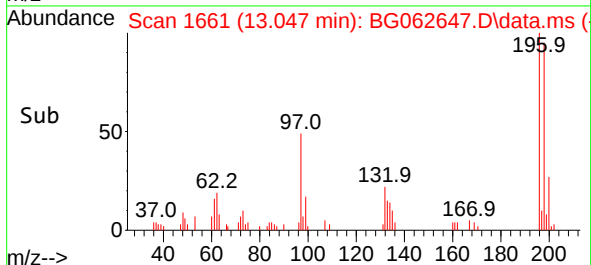
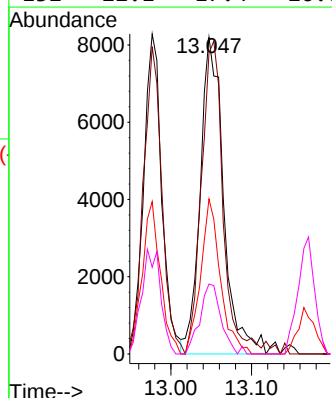
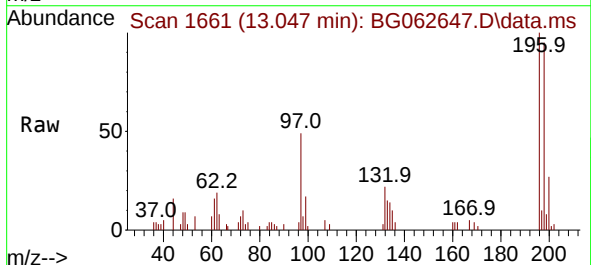
Ion Ratio Lower Upper

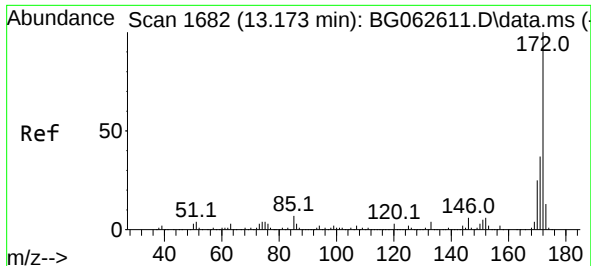
196 100

198 95.1 75.5 113.3

97 48.9 34.1 51.1

132 22.1 17.4 26.0

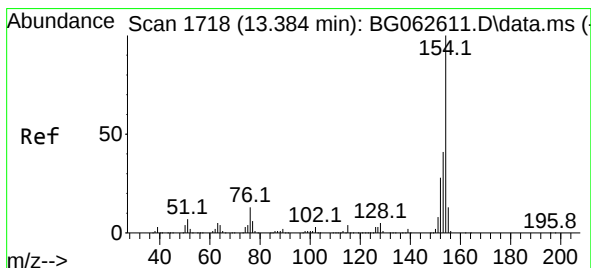
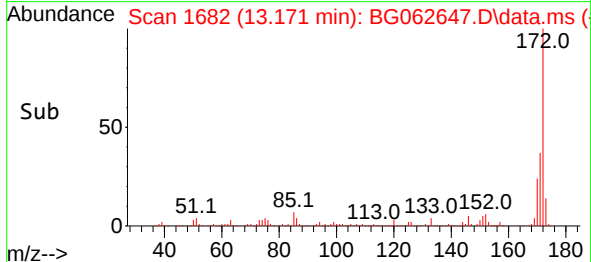
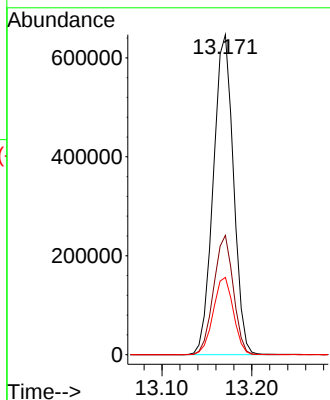
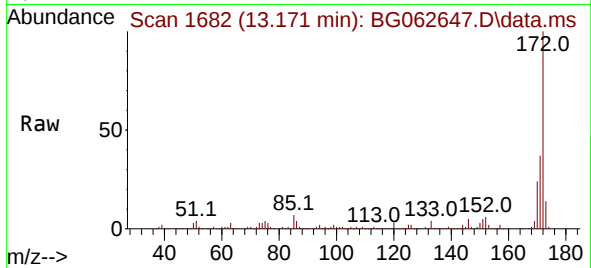




#45
2-Fluorobiphenyl
Concen: 84.769 ng
RT: 13.171 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

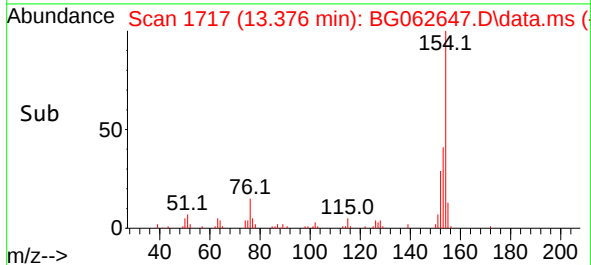
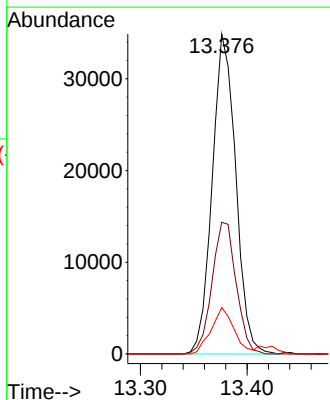
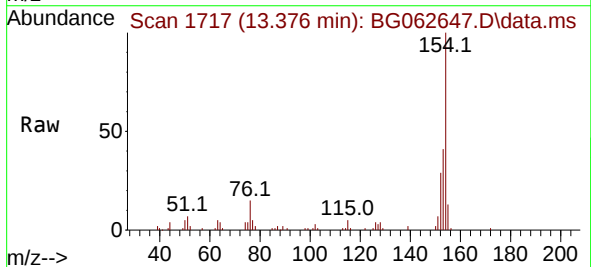
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

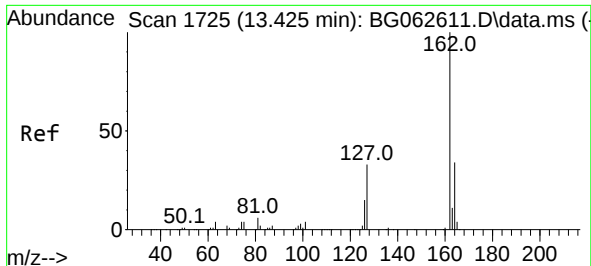
Tgt Ion:172 Resp: 1007305
Ion Ratio Lower Upper
172 100
171 37.3 29.7 44.5
170 24.2 20.0 30.0



#46
1,1'-Biphenyl
Concen: 4.157 ng
RT: 13.376 min Scan# 1717
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:154 Resp: 53374
Ion Ratio Lower Upper
154 100
153 41.2 20.8 60.8
76 14.5 0.0 33.4

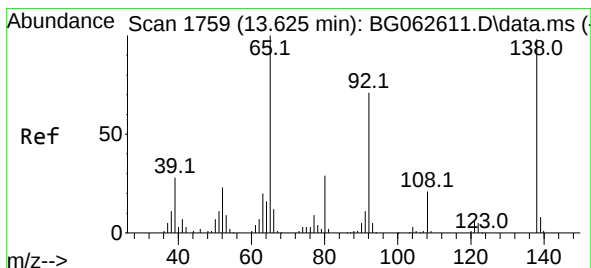
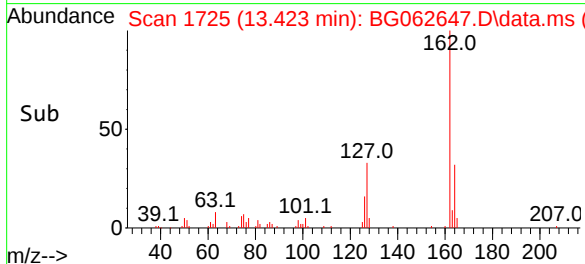
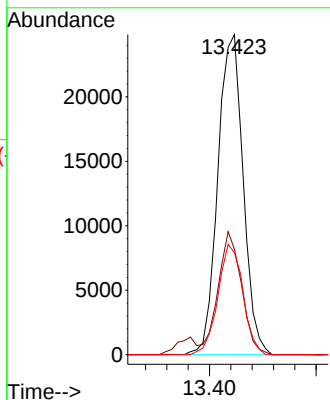
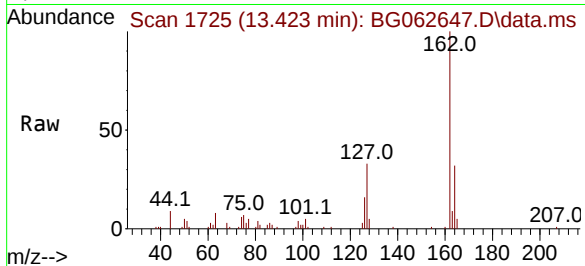




#47
2-Chloronaphthalene
Concen: 3.924 ng
RT: 13.423 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

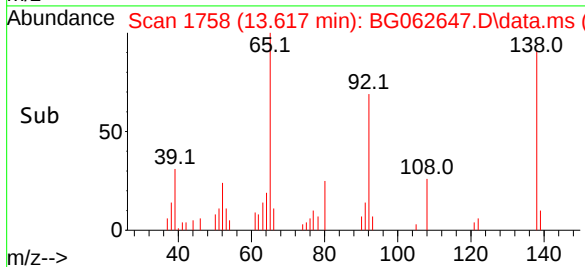
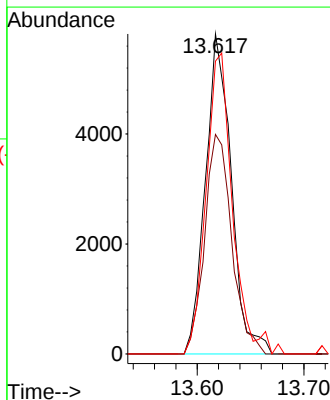
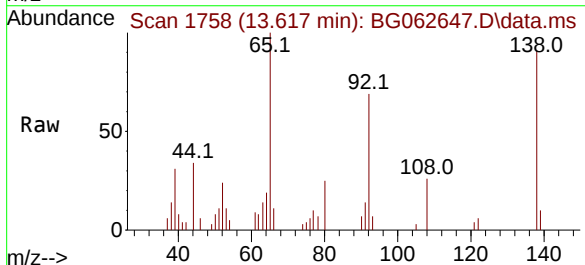
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

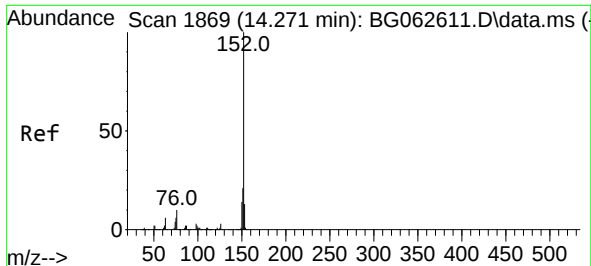
Tgt Ion:162 Resp: 40842
Ion Ratio Lower Upper
162 100
127 33.0 28.7 43.1
164 32.0 26.9 40.3



#48
2-Nitroaniline
Concen: 3.580 ng
RT: 13.617 min Scan# 1758
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion: 65 Resp: 9798
Ion Ratio Lower Upper
65 100
92 68.6 56.6 84.8
138 91.5 78.7 118.1

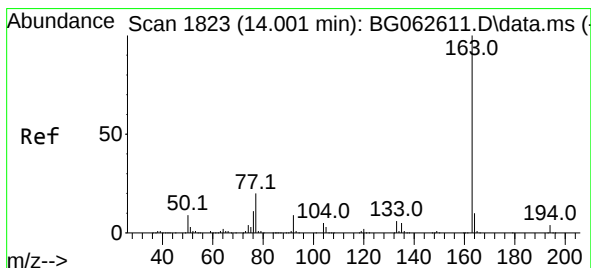
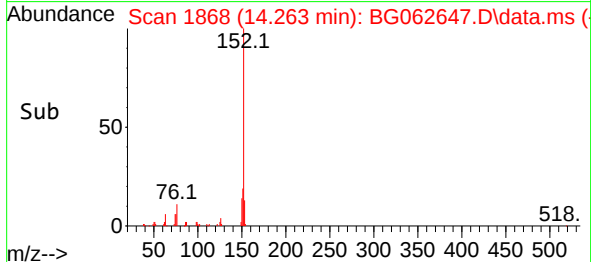
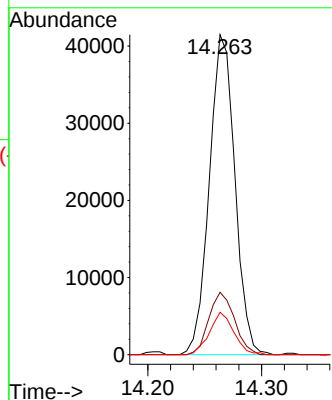
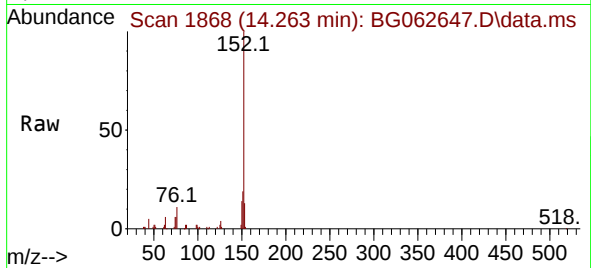




#49
Acenaphthylene
Concen: 4.205 ng
RT: 14.263 min Scan# 1868
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

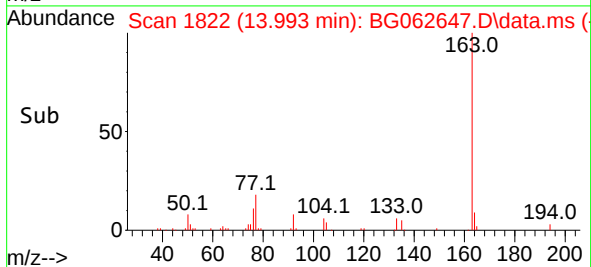
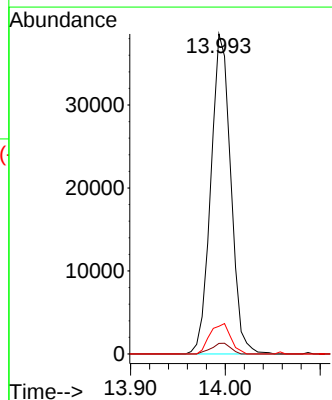
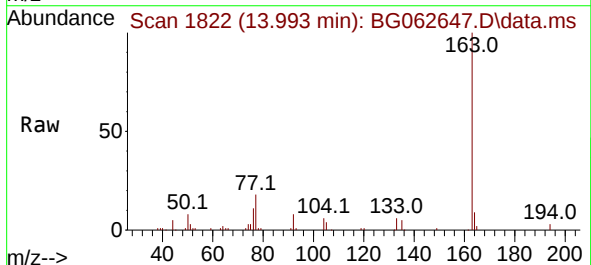
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

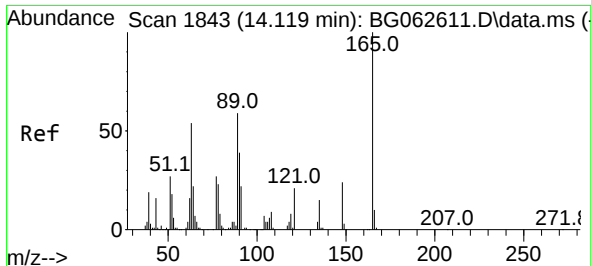
Tgt Ion:152 Resp: 64806
Ion Ratio Lower Upper
152 100
151 19.5 16.6 24.8
153 13.3 10.2 15.4



#50
Dimethylphthalate
Concen: 3.996 ng
RT: 13.993 min Scan# 1822
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:163 Resp: 56240
Ion Ratio Lower Upper
163 100
194 3.3 2.9 4.3
164 8.6 8.3 12.5

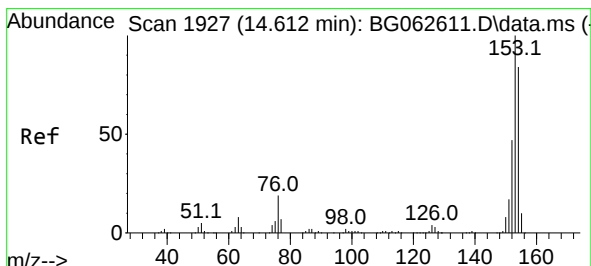
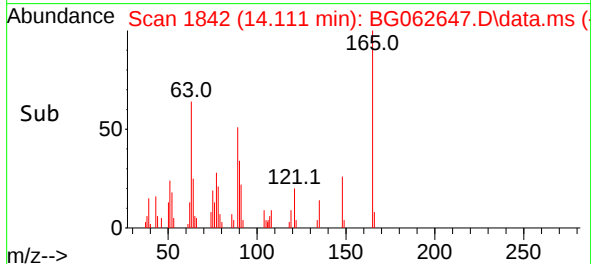
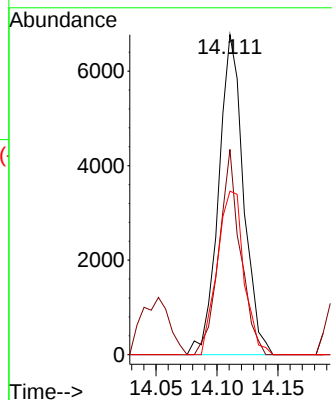
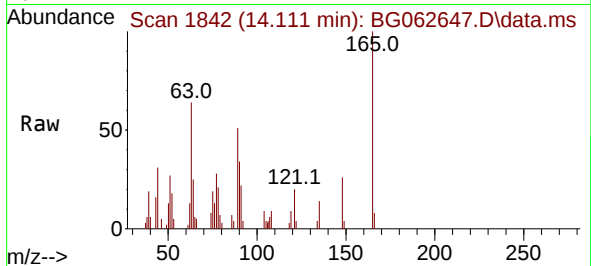




#51
2,6-Dinitrotoluene
Concen: 3.611 ng
RT: 14.111 min Scan# 1842
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

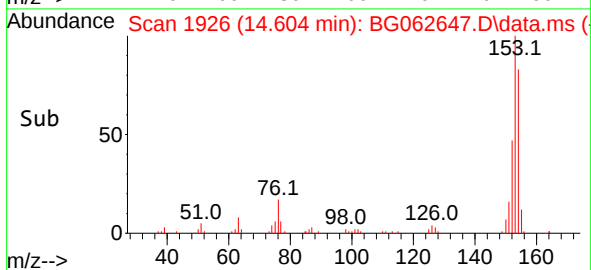
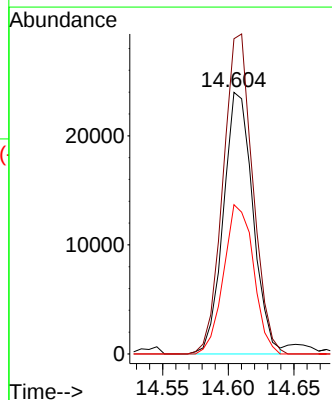
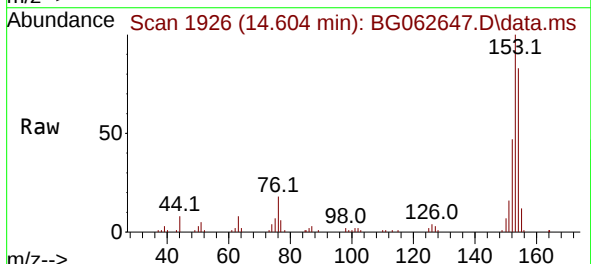
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

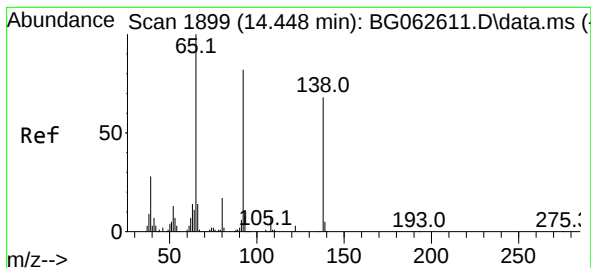
Tgt Ion:	165	Resp:	9614
Ion Ratio	Lower	Upper	
165	100		
63	64.2	46.6	69.8
89	51.1	47.2	70.8



#52
Acenaphthene
Concen: 3.891 ng
RT: 14.604 min Scan# 1926
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:	154	Resp:	37491
Ion Ratio	Lower	Upper	
154	100		
153	120.5	95.0	142.4
152	57.0	45.0	67.6

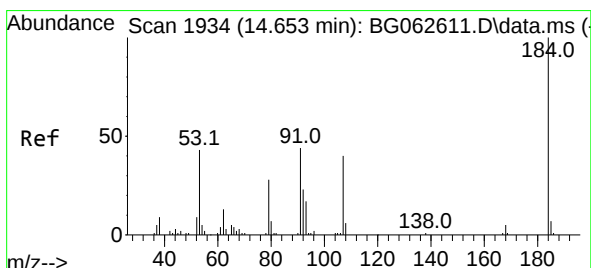
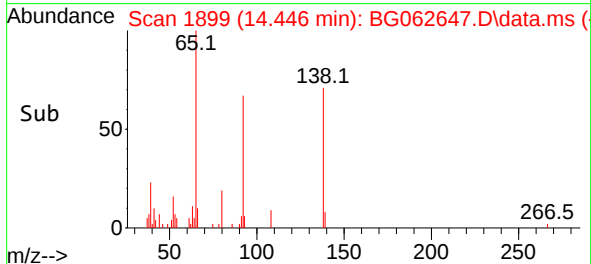
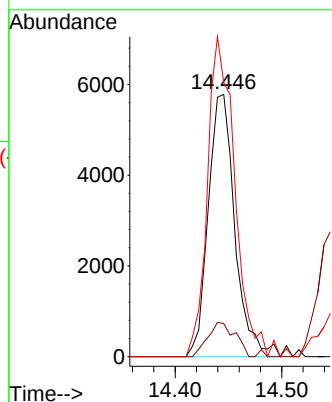
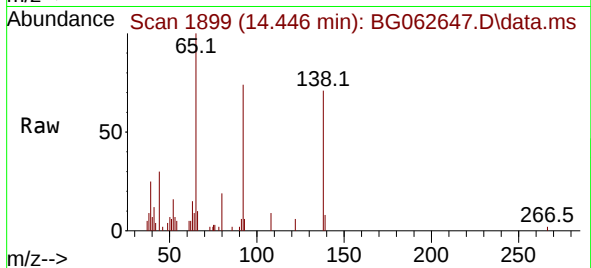




#53
3-Nitroaniline
Concen: 3.887 ng
RT: 14.446 min Scan# 1899
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

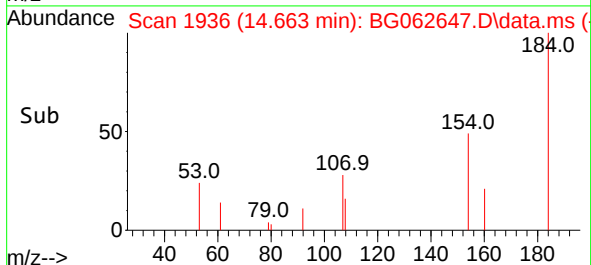
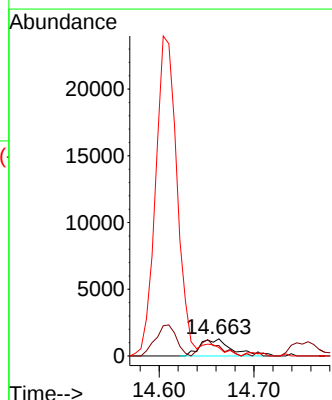
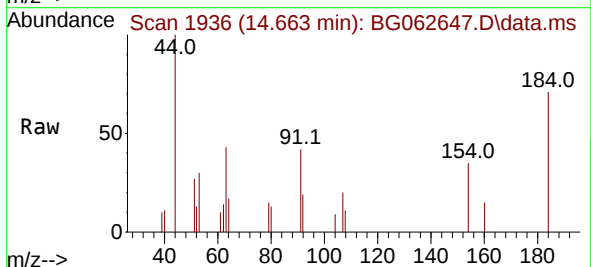
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

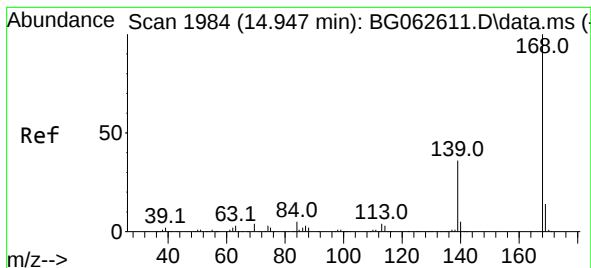
Tgt Ion:138 Resp: 10012
Ion Ratio Lower Upper
138 100
108 12.6 8.6 13.0
92 104.4 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 1.997 ng
RT: 14.663 min Scan# 1936
Delta R.T. 0.010 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:184 Resp: 2983
Ion Ratio Lower Upper
184 100
63 60.5 49.0 73.4
154 49.2 50.5 75.7#





#55

Dibenzofuran

Concen: 4.106 ng

RT: 14.945 min Scan# 1984

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

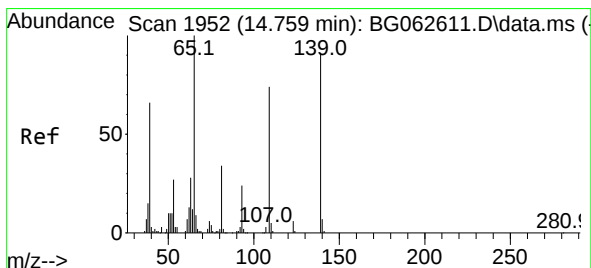
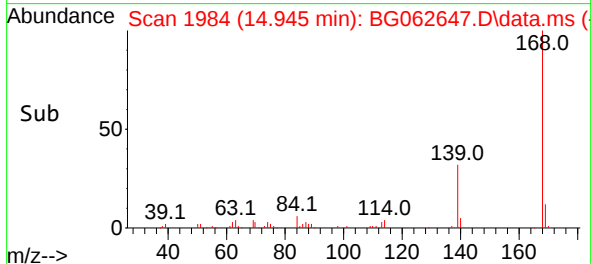
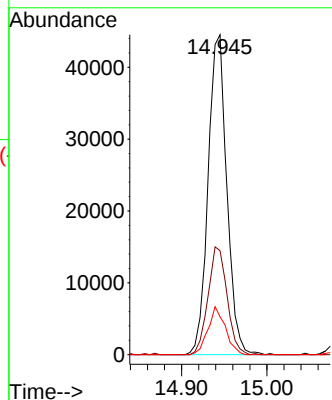
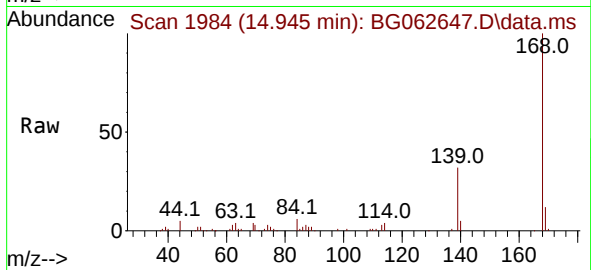
Tgt Ion:168 Resp: 67836

Ion Ratio Lower Upper

168 100

139 32.5 28.6 42.8

169 11.9 11.0 16.6



#56

4-Nitrophenol

Concen: 3.601 ng

RT: 14.757 min Scan# 1952

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

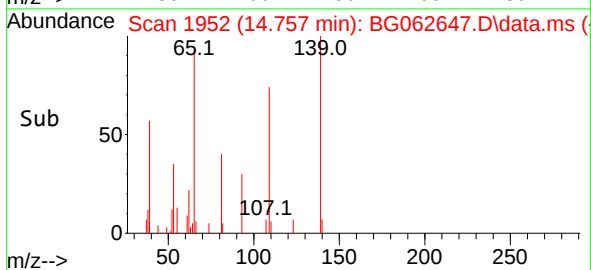
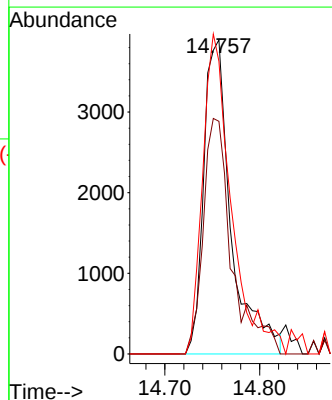
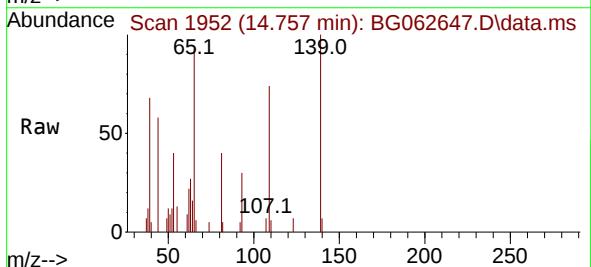
Tgt Ion:139 Resp: 7862

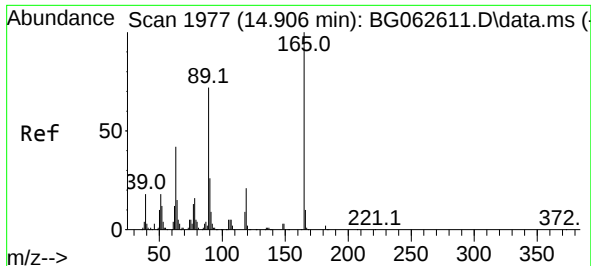
Ion Ratio Lower Upper

139 100

109 74.1 61.2 101.2

65 93.2 90.2 130.2





#57

2,4-Dinitrotoluene

Concen: 3.751 ng

RT: 14.898 min Scan# 1976

Delta R.T. -0.008 min

Lab File: BG062647.D

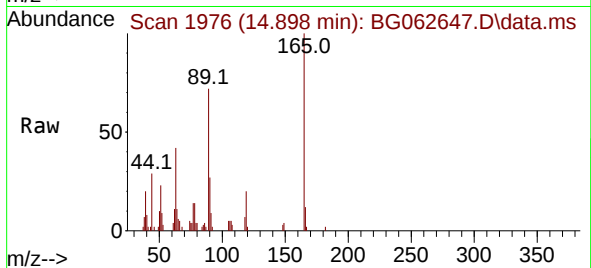
Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:165 Resp: 13625

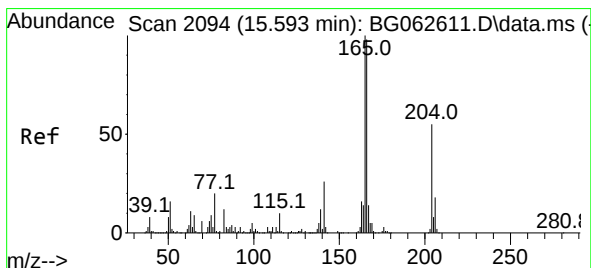
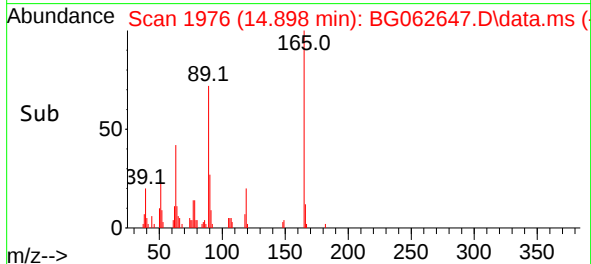
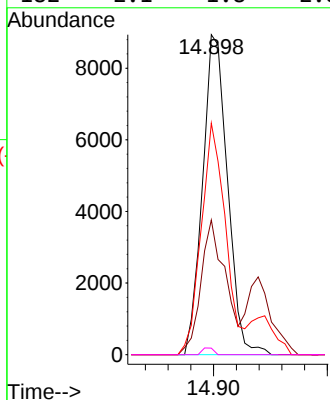
Ion Ratio Lower Upper

165 100

63 42.1 33.8 50.6

89 72.3 57.9 86.9

182 2.1 1.8 2.8



#58

Fluorene

Concen: 4.111 ng

RT: 15.591 min Scan# 2094

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

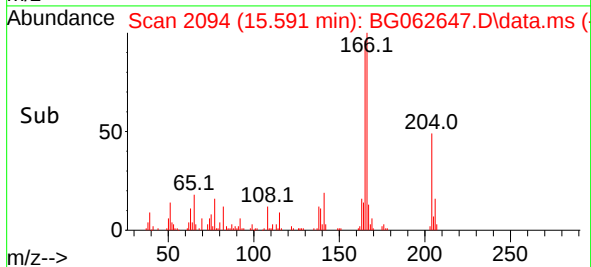
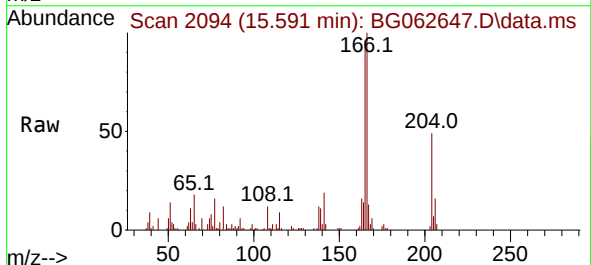
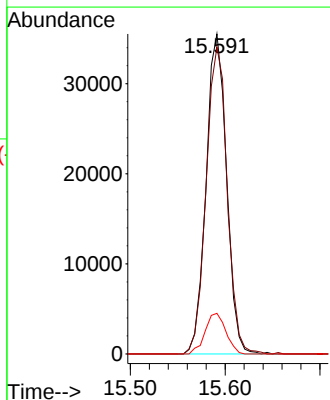
Tgt Ion:166 Resp: 53301

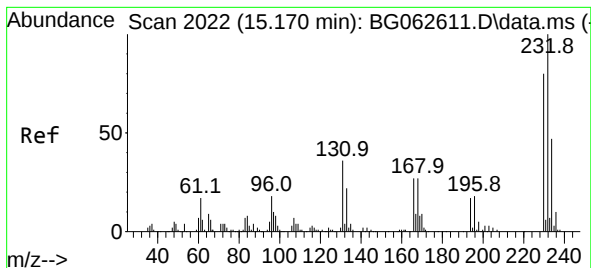
Ion Ratio Lower Upper

166 100

165 95.9 82.0 123.0

167 12.7 11.3 16.9

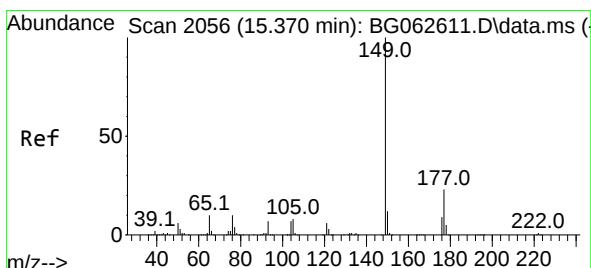
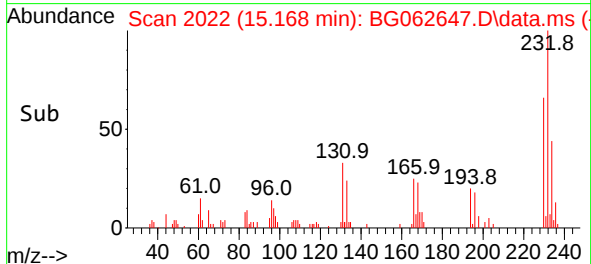
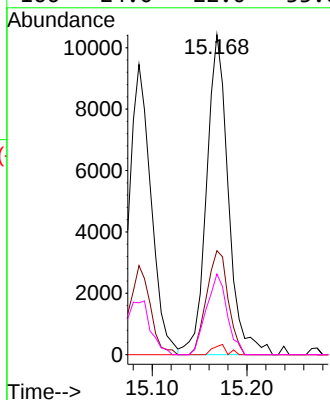
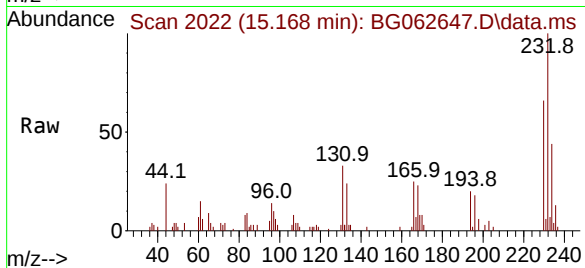




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.230 ng
RT: 15.168 min Scan# 2022
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

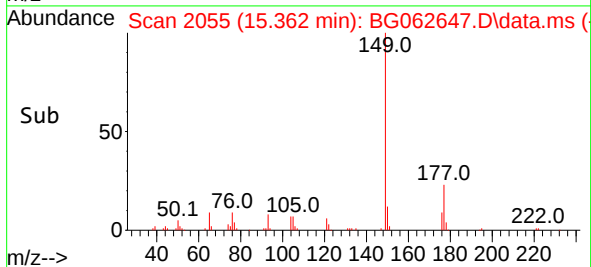
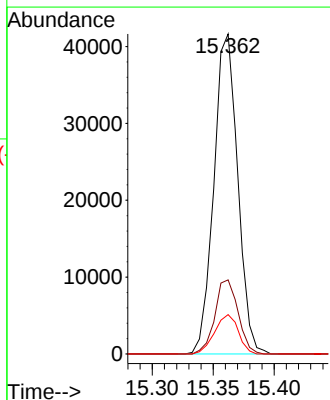
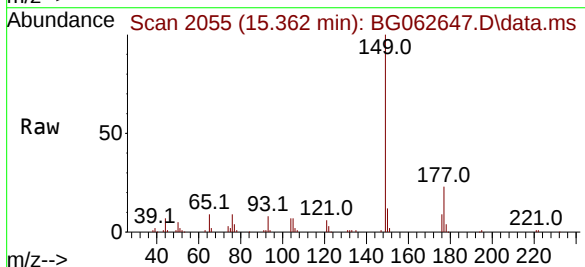
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

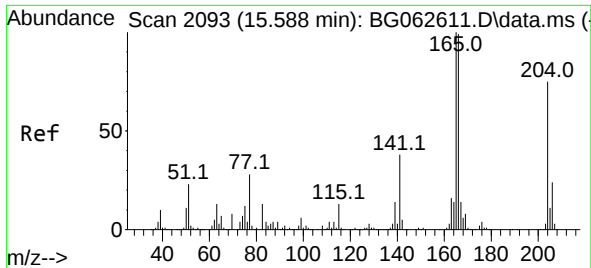
Tgt Ion:232 Resp: 16652
Ion Ratio Lower Upper
232 100
131 32.2 28.3 42.5
130 2.0 1.7 2.5
166 24.0 22.0 33.0



#60
Diethylphthalate
Concen: 4.061 ng
RT: 15.362 min Scan# 2055
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:149 Resp: 56656
Ion Ratio Lower Upper
149 100
177 23.2 18.0 27.0
150 12.3 9.8 14.8

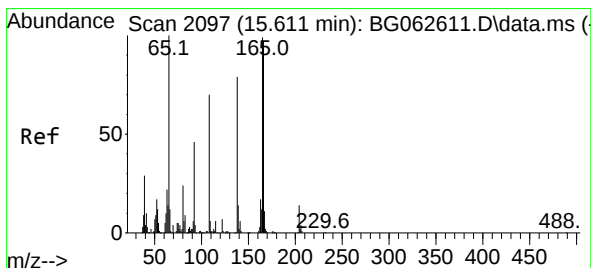
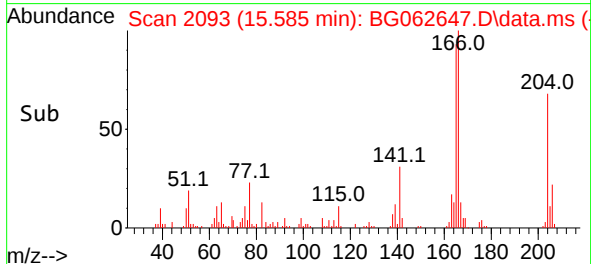
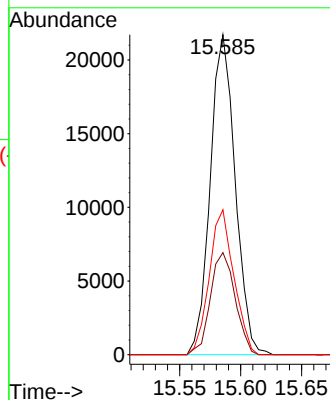
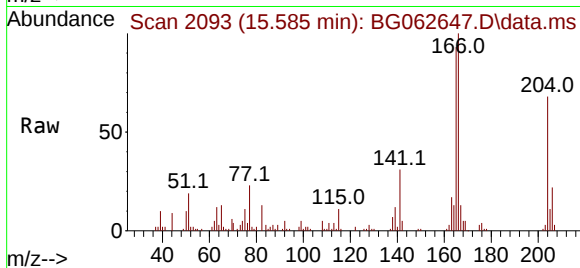




#61
4-Chlorophenyl-phenylether
Concen: 4.156 ng
RT: 15.585 min Scan# 2093
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

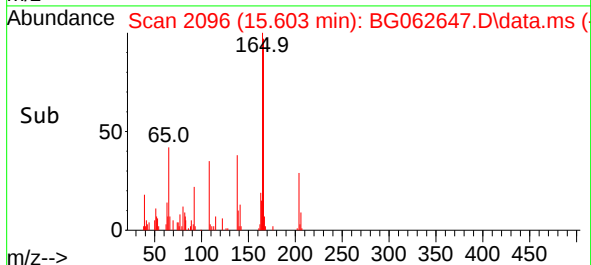
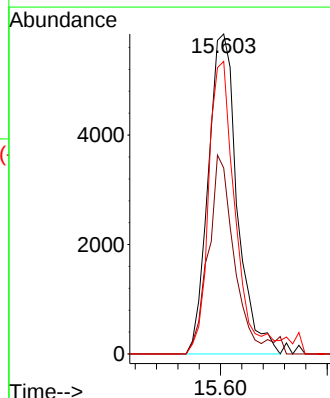
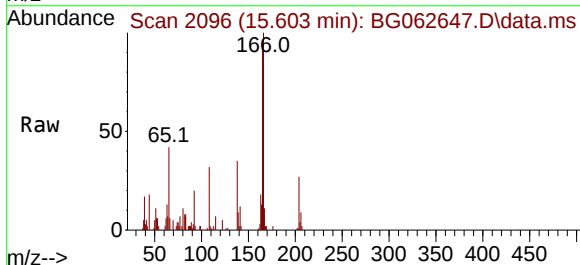
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

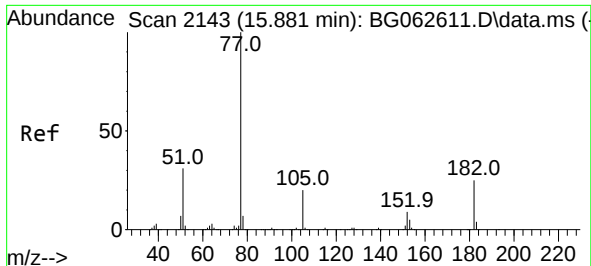
Tgt Ion:204 Resp: 30940
Ion Ratio Lower Upper
204 100
206 31.9 25.9 38.9
141 45.3 41.0 61.6



#62
4-Nitroaniline
Concen: 3.893 ng
RT: 15.603 min Scan# 2096
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:138 Resp: 11058
Ion Ratio Lower Upper
138 100
92 58.1 38.4 78.4
108 91.5 69.0 109.0

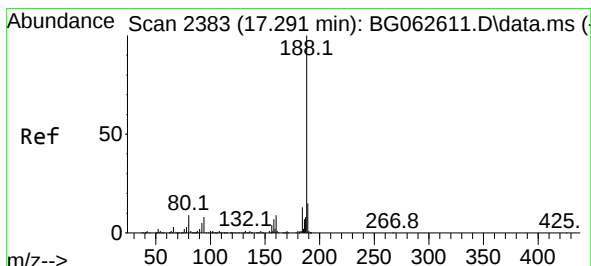
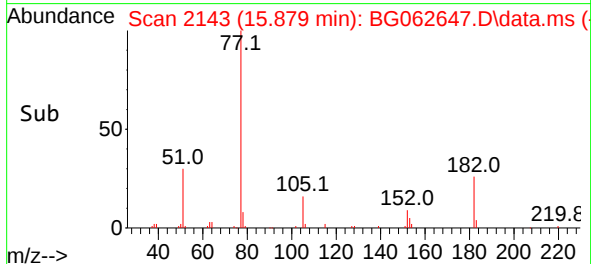
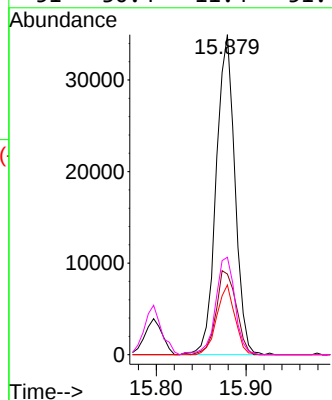
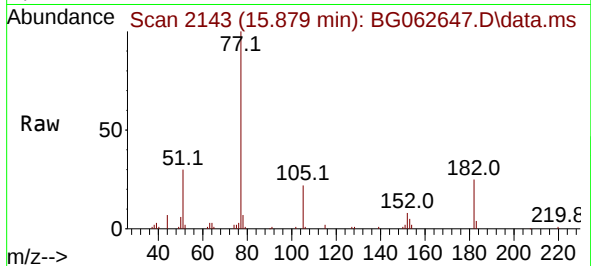




#63
Azobenzene
Concen: 3.865 ng
RT: 15.879 min Scan# 2143
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

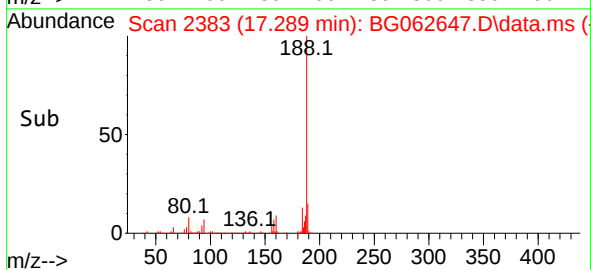
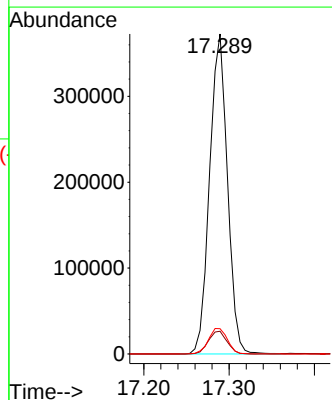
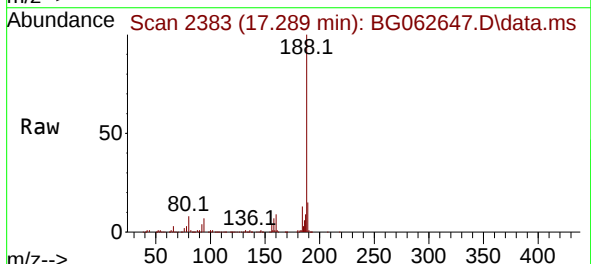
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

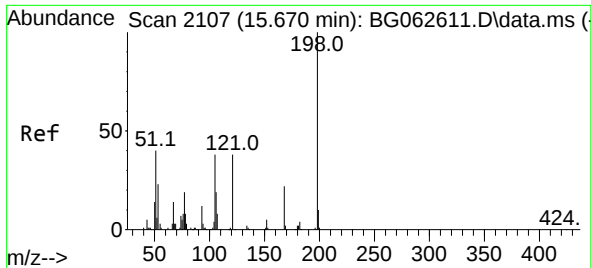
Tgt Ion: 77	Resp: 50627
Ion Ratio	Lower Upper
77 100	
182 25.2	5.0 45.0
105 21.8	0.5 40.5
51 30.4	11.4 51.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.289 min Scan# 2383
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:188	Resp: 540508
Ion Ratio	Lower Upper
188 100	
94 7.1	6.3 9.5
80 7.9	7.0 10.4

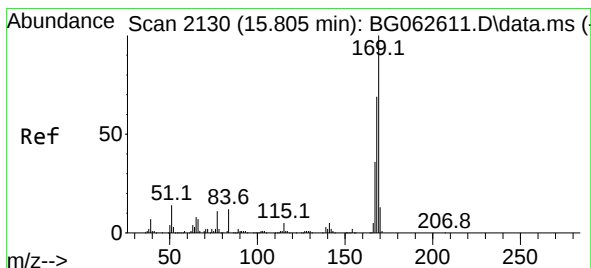
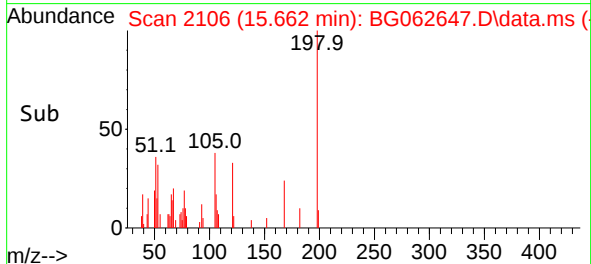
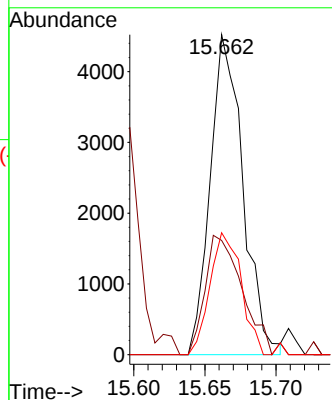
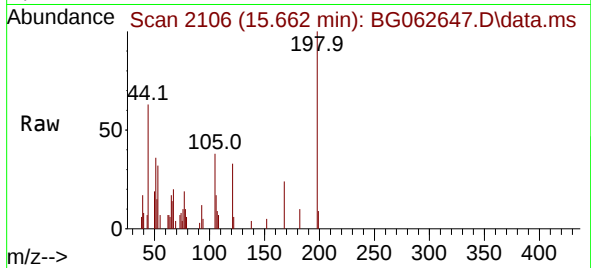




#65
4,6-Dinitro-2-methylphenol
Concen: 2.994 ng
RT: 15.662 min Scan# 2106
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

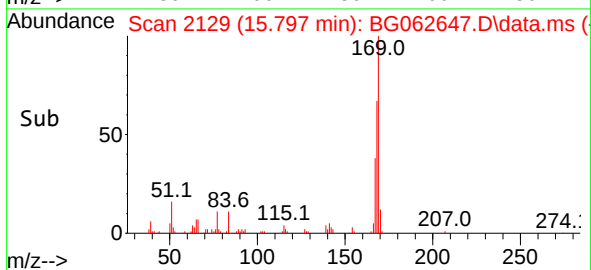
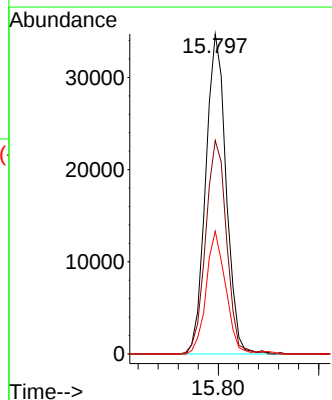
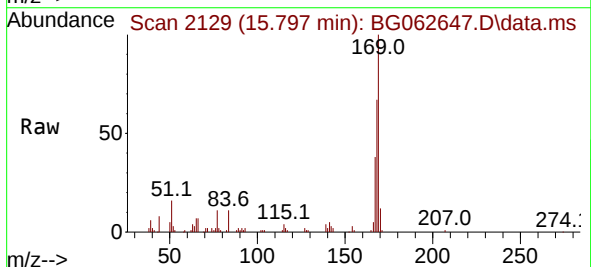
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

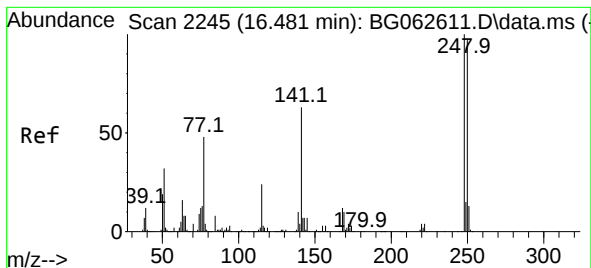
Tgt Ion:198 Resp: 7221
Ion Ratio Lower Upper
198 100
51 35.7 25.1 65.1
105 38.1 18.3 58.3



#66
n-Nitrosodiphenylamine
Concen: 3.770 ng
RT: 15.797 min Scan# 2129
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:169 Resp: 48990
Ion Ratio Lower Upper
169 100
168 66.7 55.4 83.2
167 38.4 29.0 43.6

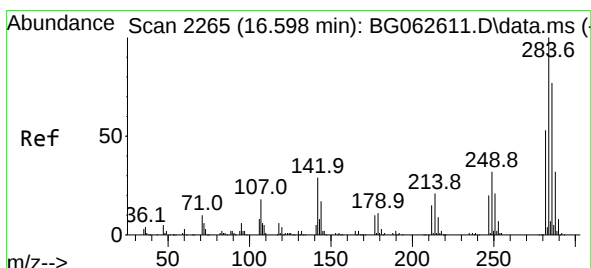
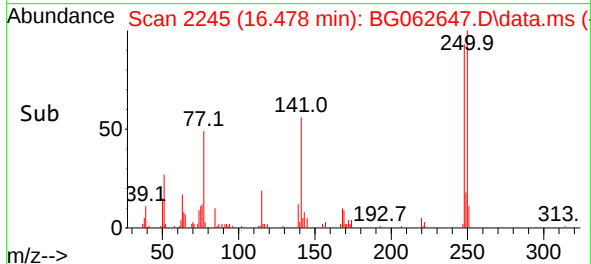
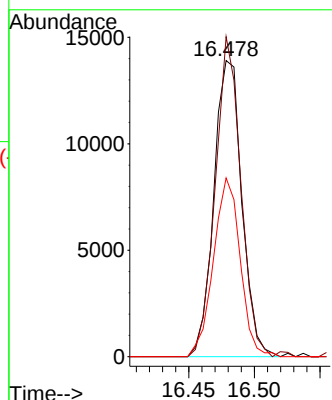
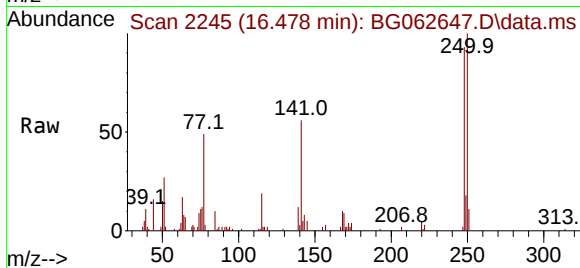




#67
4-Bromophenyl-phenylether
Concen: 3.703 ng
RT: 16.478 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

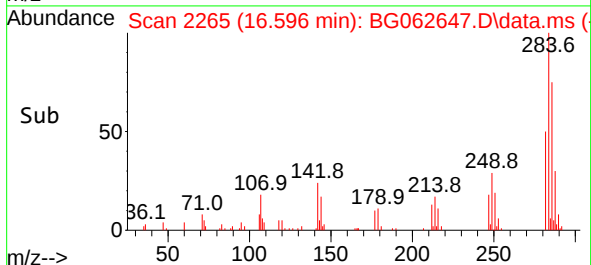
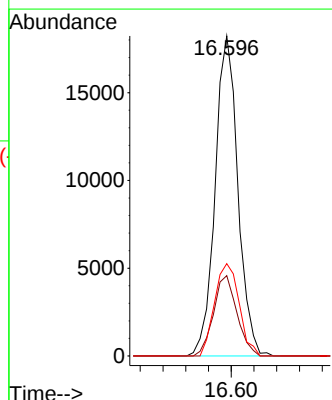
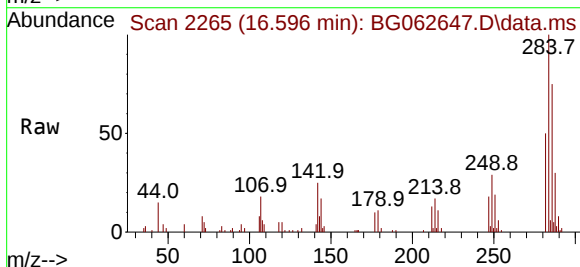
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

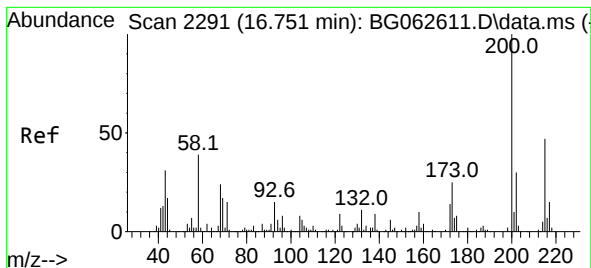
Tgt Ion:248 Resp: 20658
Ion Ratio Lower Upper
248 100
250 108.1 77.9 116.9
141 60.4 50.2 75.2



#68
Hexachlorobenzene
Concen: 3.836 ng
RT: 16.596 min Scan# 2265
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:284 Resp: 25341
Ion Ratio Lower Upper
284 100
142 25.1 23.5 35.3
249 28.9 25.4 38.0





#69

Atrazine

Concen: 4.927 ng

RT: 16.743 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

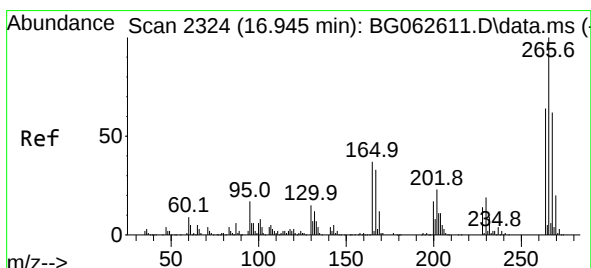
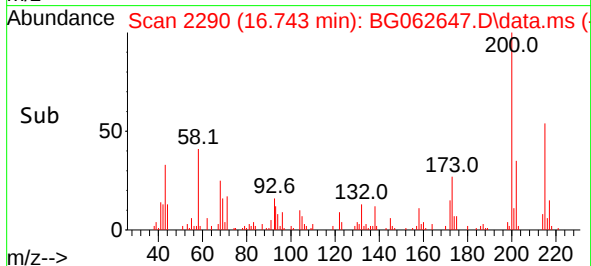
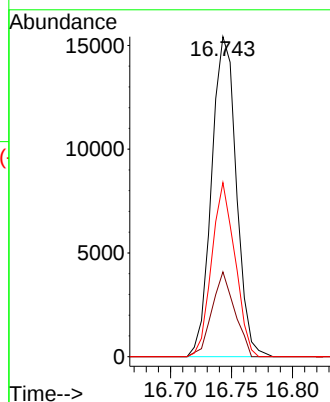
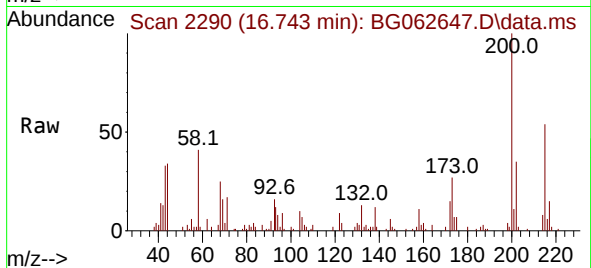
Tgt Ion:200 Resp: 21747

Ion Ratio Lower Upper

200 100

173 26.5 5.2 45.2

215 54.4 27.3 67.3



#70

Pentachlorophenol

Concen: 2.572 ng

RT: 16.943 min Scan# 2324

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

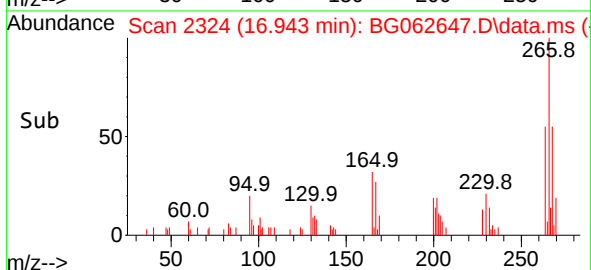
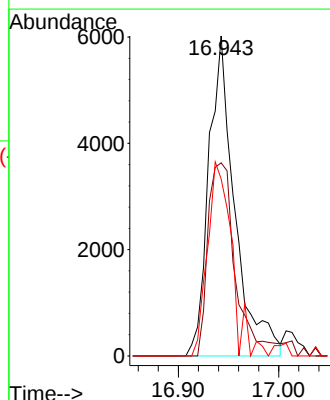
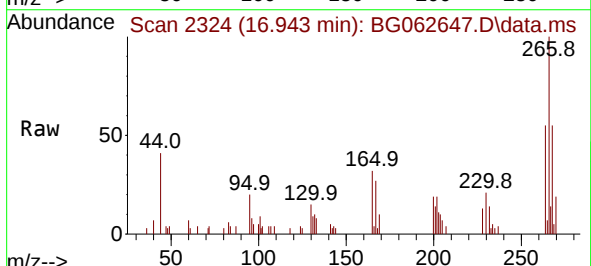
Tgt Ion:266 Resp: 10883

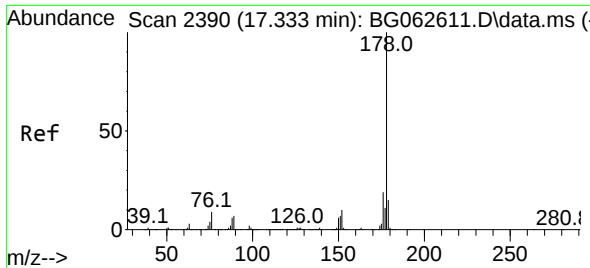
Ion Ratio Lower Upper

266 100

268 60.4 52.6 79.0

264 55.3 51.6 77.4

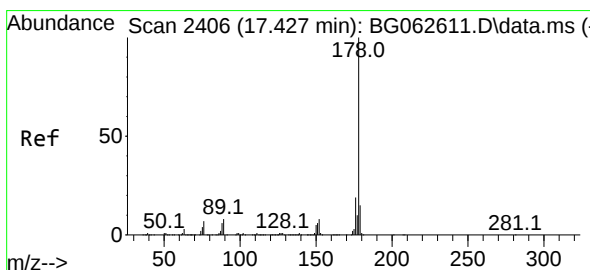
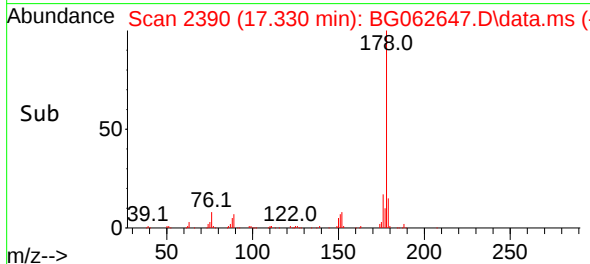
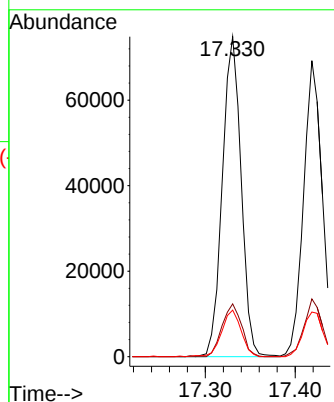
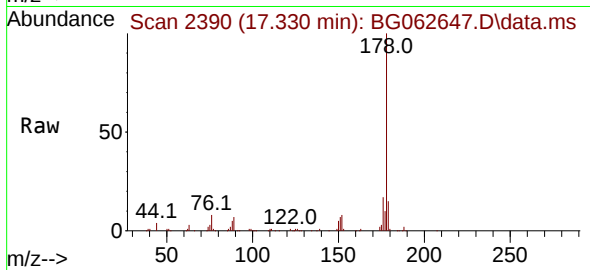




#71
Phenanthrene
Concen: 4.306 ng
RT: 17.330 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

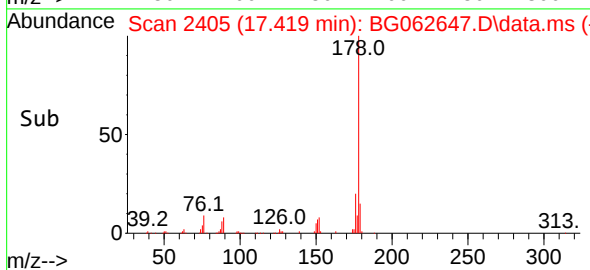
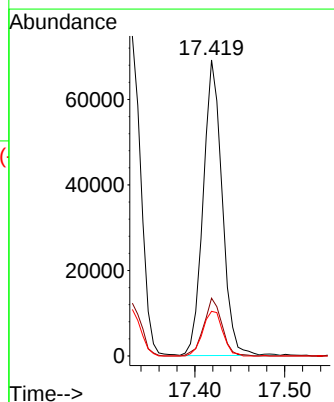
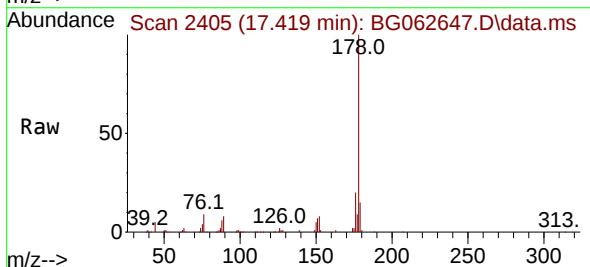
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

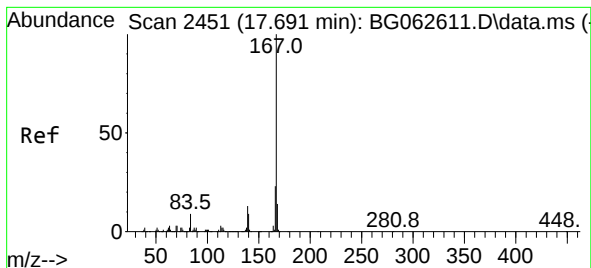
Tgt Ion:178 Resp: 108644
Ion Ratio Lower Upper
178 100
176 16.5 15.4 23.0
179 14.6 12.2 18.4



#72
Anthracene
Concen: 4.082 ng
RT: 17.419 min Scan# 2405
Delta R.T. -0.008 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:178 Resp: 101263
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.1 12.0 18.0





#73

Carbazole

Concen: 4.120 ng

RT: 17.689 min Scan# 2451

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

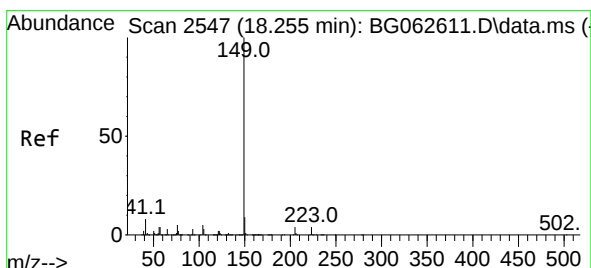
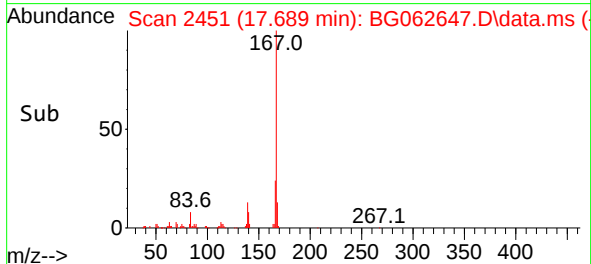
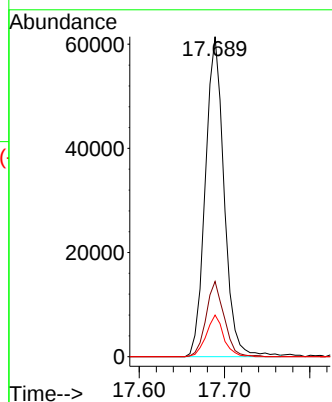
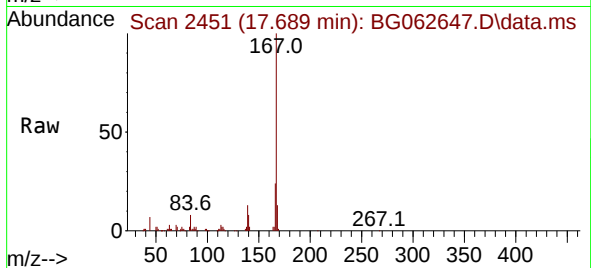
Tgt Ion:167 Resp: 93951

Ion Ratio Lower Upper

167 100

166 23.5 18.2 27.2

139 13.0 10.1 15.1



#74

Di-n-butylphthalate

Concen: 4.029 ng

RT: 18.253 min Scan# 2547

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

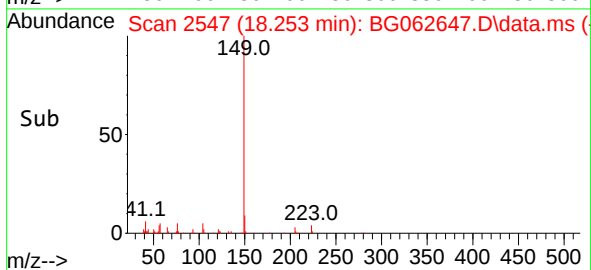
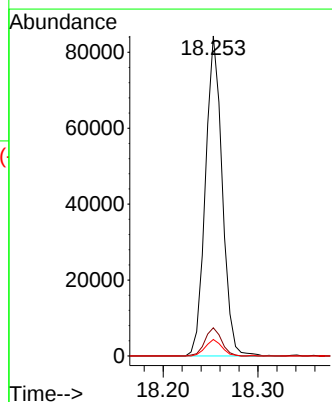
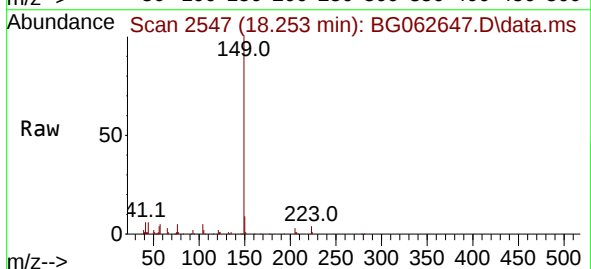
Tgt Ion:149 Resp: 103606

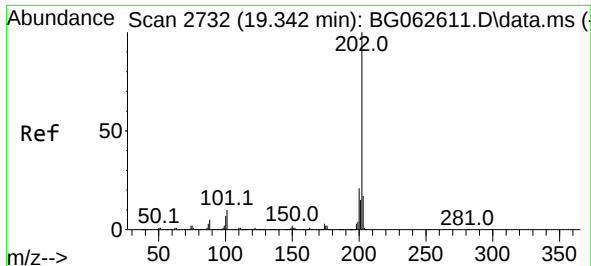
Ion Ratio Lower Upper

149 100

150 8.8 7.3 10.9

104 5.1 4.2 6.2

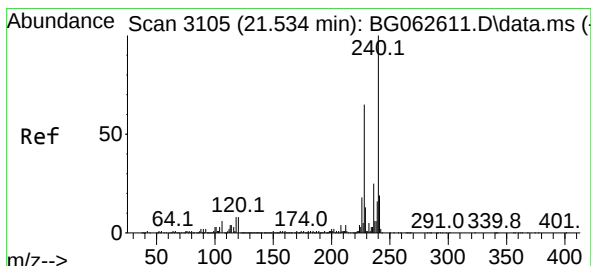
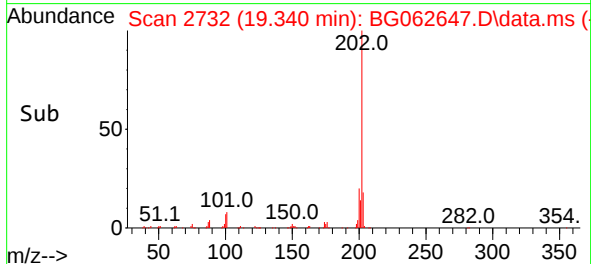
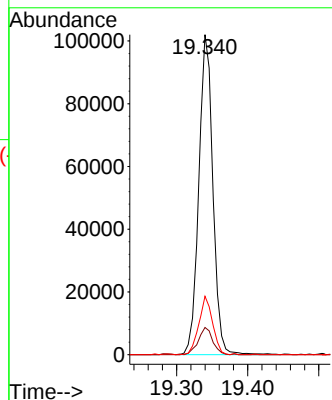
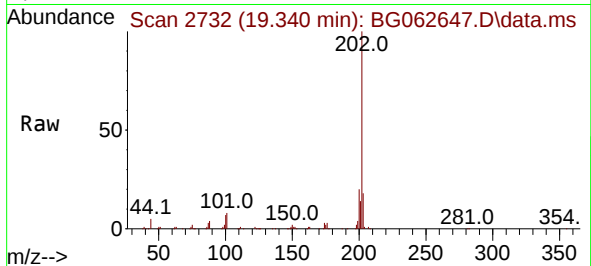




#75
Fluoranthene
Concen: 4.409 ng
RT: 19.340 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

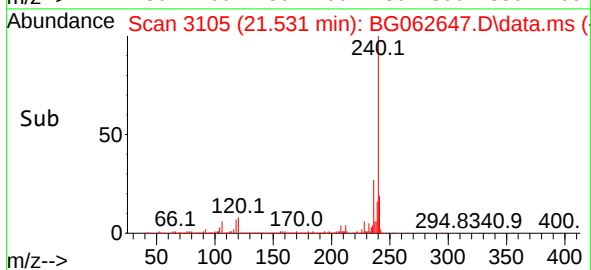
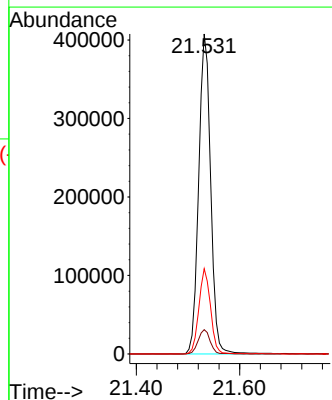
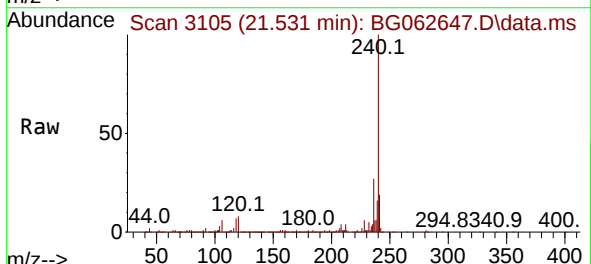
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

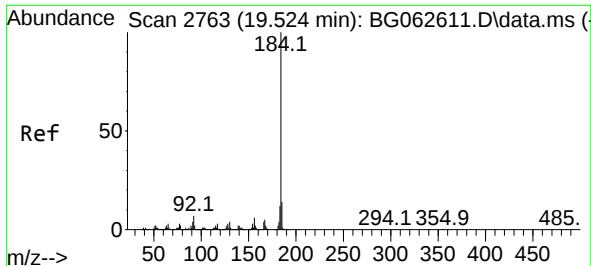
Tgt Ion:202 Resp: 140685
Ion Ratio Lower Upper
202 100
101 8.5 0.0 29.6
203 18.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.531 min Scan# 3105
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:240 Resp: 653141
Ion Ratio Lower Upper
240 100
120 7.6 6.6 9.8
236 26.7 20.2 30.4

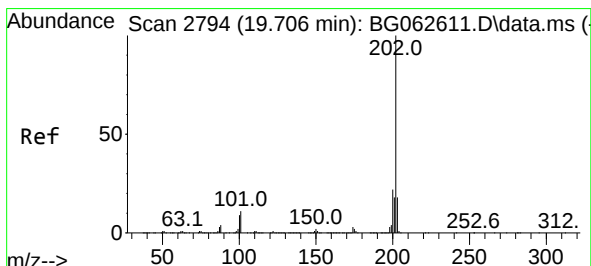
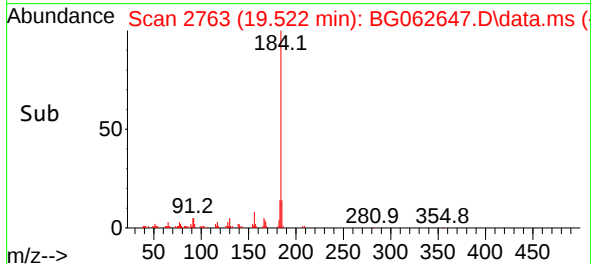
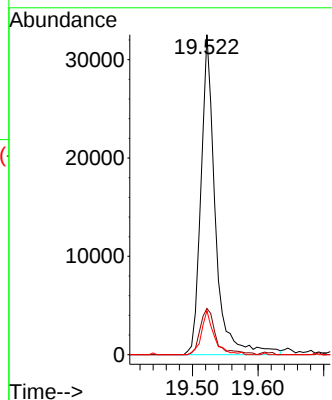
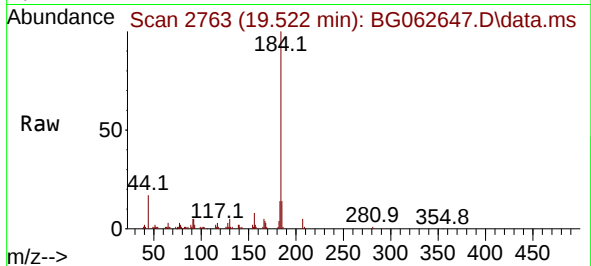




#77
Benzidine
Concen: 4.212 ng
RT: 19.522 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

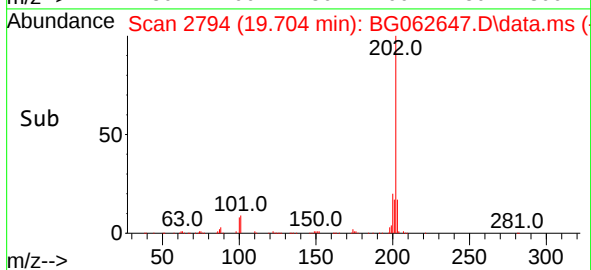
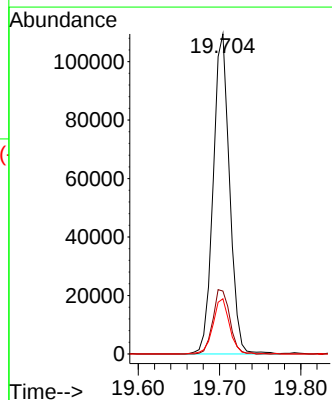
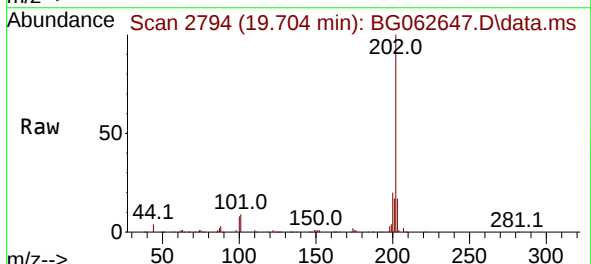
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

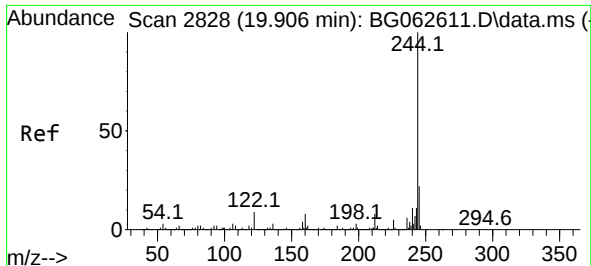
Tgt Ion:184 Resp: 49582
Ion Ratio Lower Upper
184 100
185 14.5 11.0 16.6
183 13.7 9.7 14.5



#78
Pyrene
Concen: 3.691 ng
RT: 19.704 min Scan# 2794
Delta R.T. -0.002 min
Lab File: BG062647.D
Acq: 4 Sep 2024 17:41

Tgt Ion:202 Resp: 153227
Ion Ratio Lower Upper
202 100
200 19.7 17.4 26.2
203 17.3 14.1 21.1

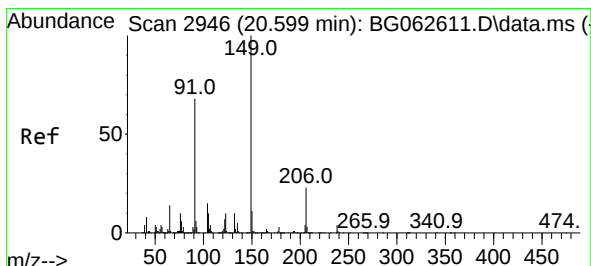
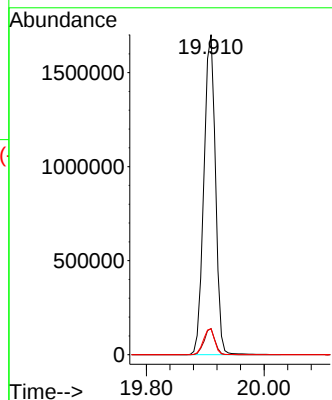
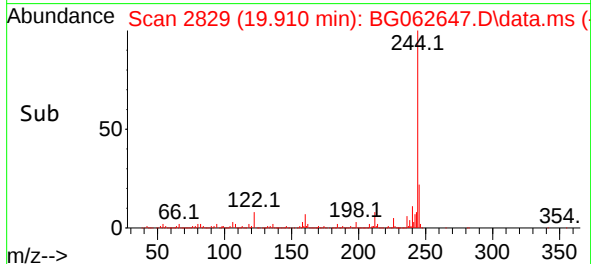
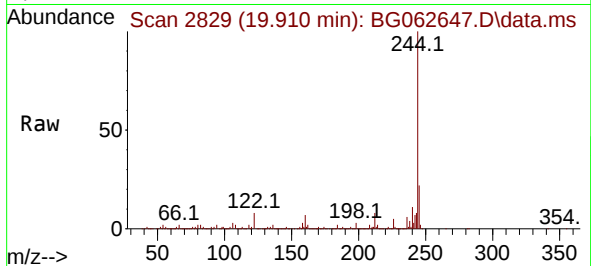




#79
 Terphenyl-d14
 Concen: 70.725 ng
 RT: 19.910 min Scan# 2829
 Delta R.T. 0.004 min
 Lab File: BG062647.D
 Acq: 4 Sep 2024 17:41

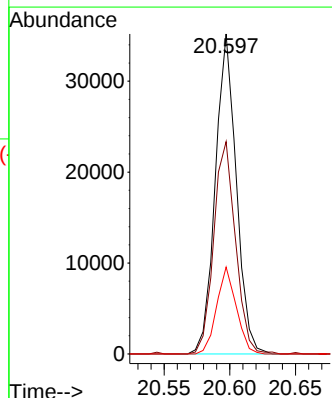
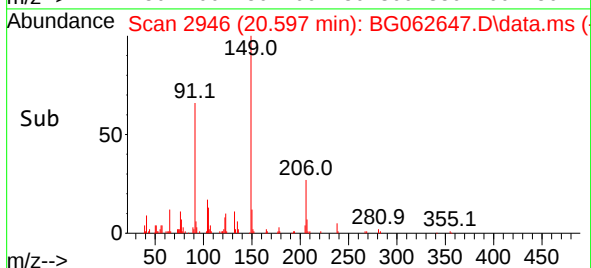
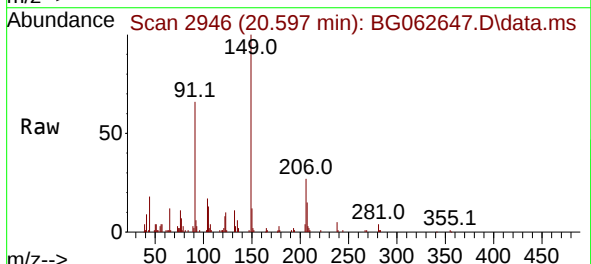
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

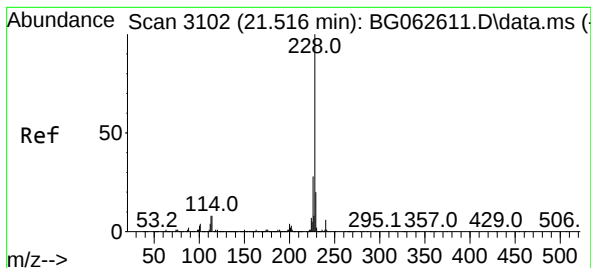
Tgt Ion:244 Resp: 2329661
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 10.0
 122 8.1 7.2 10.8



#80
 Butylbenzylphthalate
 Concen: 3.203 ng
 RT: 20.597 min Scan# 2946
 Delta R.T. -0.002 min
 Lab File: BG062647.D
 Acq: 4 Sep 2024 17:41

Tgt Ion:149 Resp: 39063
 Ion Ratio Lower Upper
 149 100
 91 66.4 54.6 81.8
 206 27.1 18.4 27.6





#81

Benzo(a)anthracene

Concen: 3.999 ng

RT: 21.514 min Scan# 3102

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

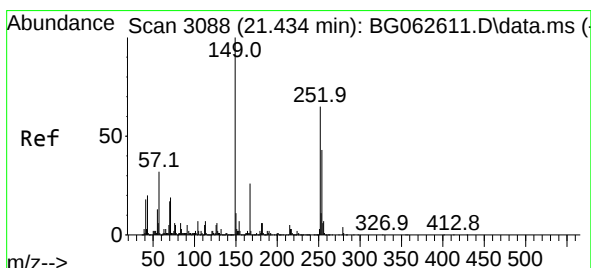
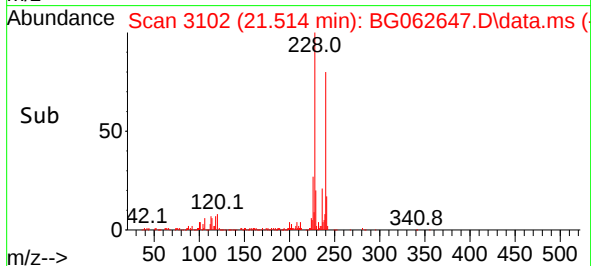
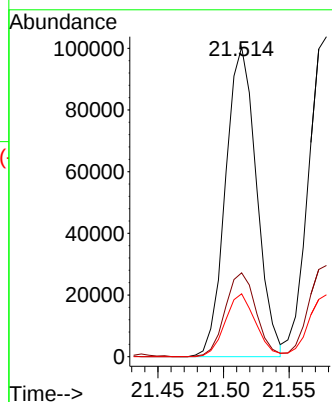
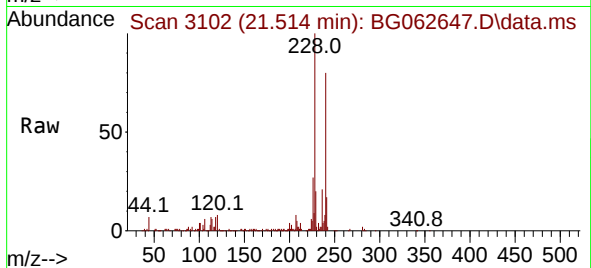
Tgt Ion:228 Resp: 164752

Ion Ratio Lower Upper

228 100

226 27.1 22.3 33.5

229 20.3 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 4.047 ng

RT: 21.432 min Scan# 3088

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

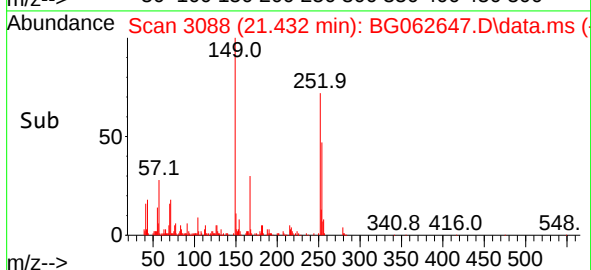
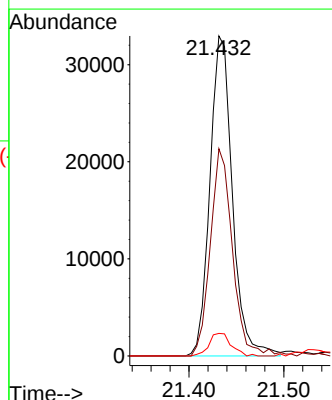
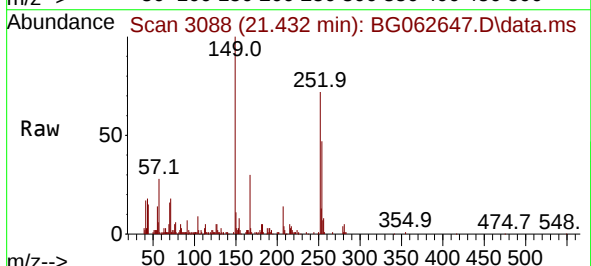
Tgt Ion:252 Resp: 54316

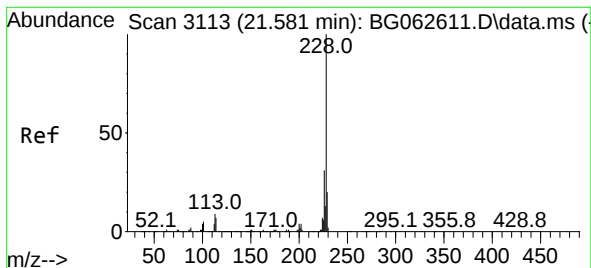
Ion Ratio Lower Upper

252 100

254 64.8 52.2 78.2

126 7.1 6.7 10.1





#83

Chrysene

Concen: 4.222 ng

RT: 21.578 min Scan# 3113

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

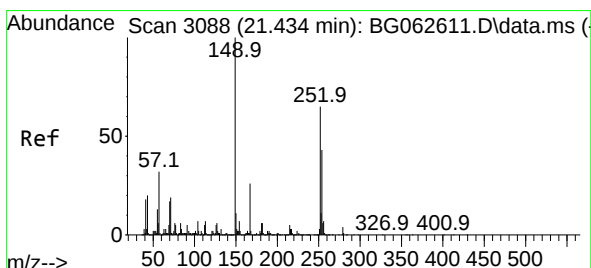
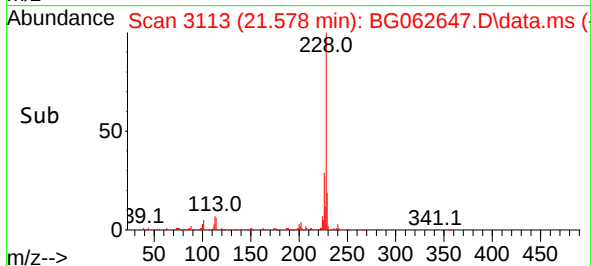
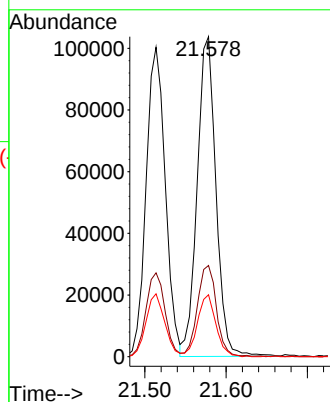
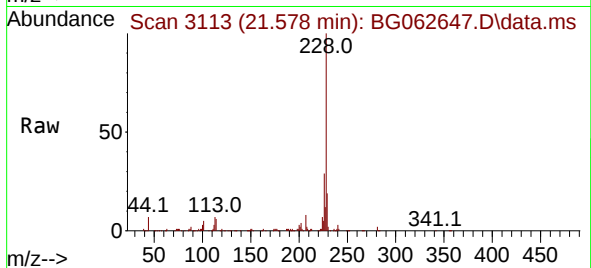
Tgt Ion:228 Resp: 166603

Ion Ratio Lower Upper

228 100

226 28.5 24.9 37.3

229 19.4 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.396 ng

RT: 21.432 min Scan# 3088

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

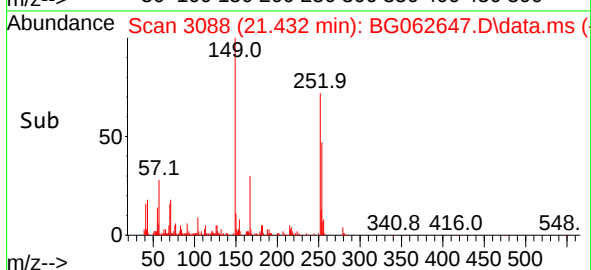
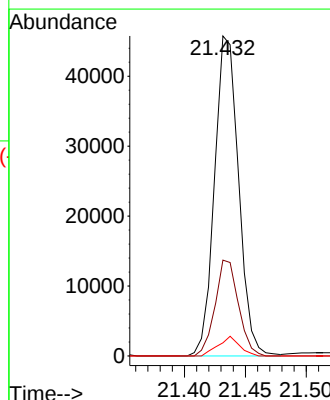
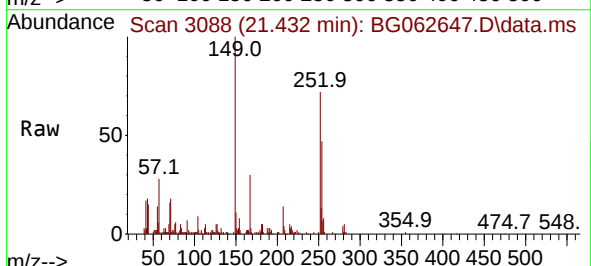
Tgt Ion:149 Resp: 62911

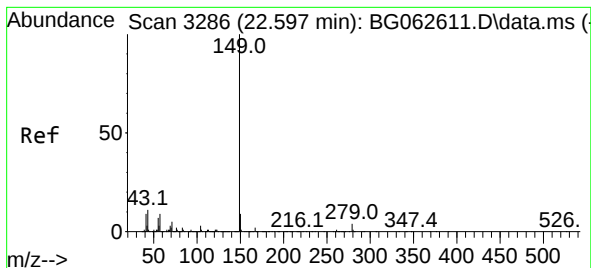
Ion Ratio Lower Upper

149 100

167 30.0 20.5 30.7

279 4.1 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 3.273 ng

RT: 22.595 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

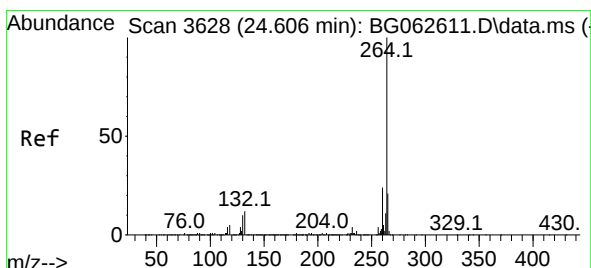
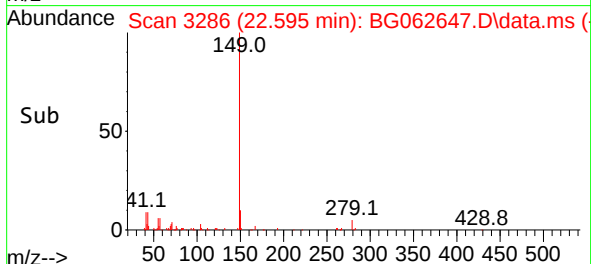
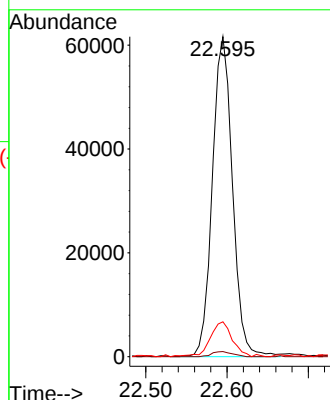
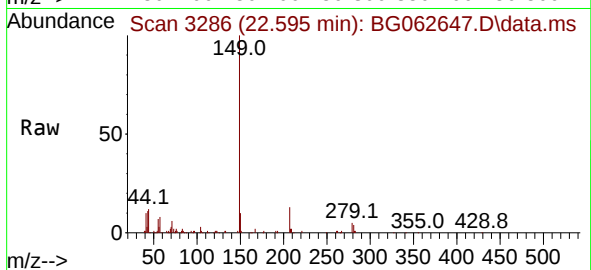
Tgt Ion:149 Resp: 106169

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 12.1 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.604 min Scan# 3628

Delta R.T. -0.002 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

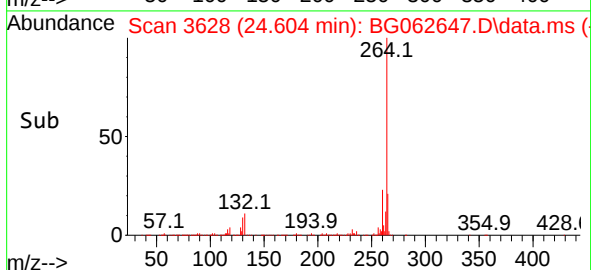
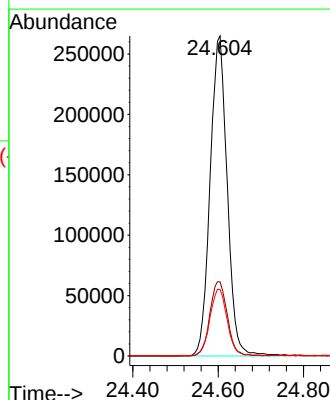
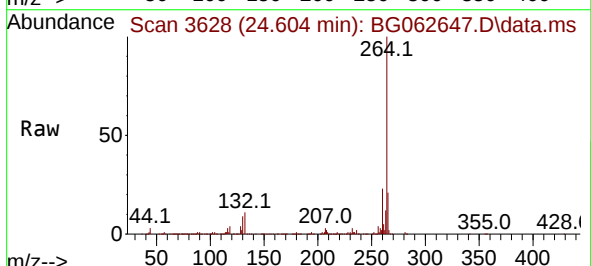
Tgt Ion:264 Resp: 734270

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 20.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.898 ng

RT: 28.053 min Scan# 41

Delta R.T. -0.020 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

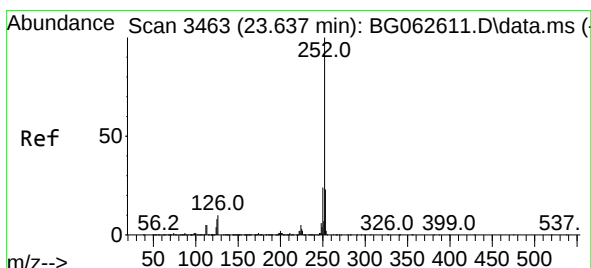
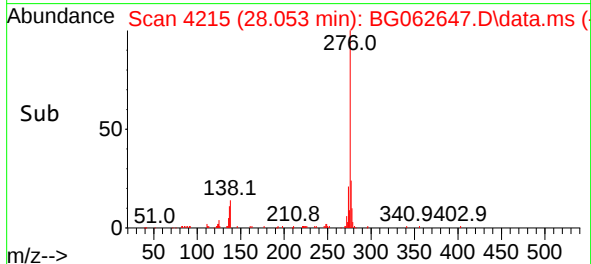
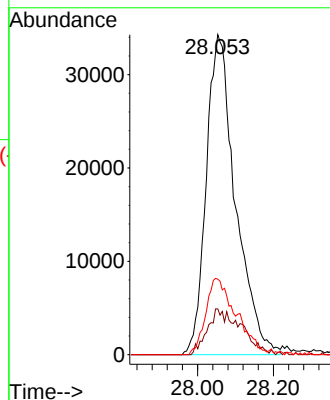
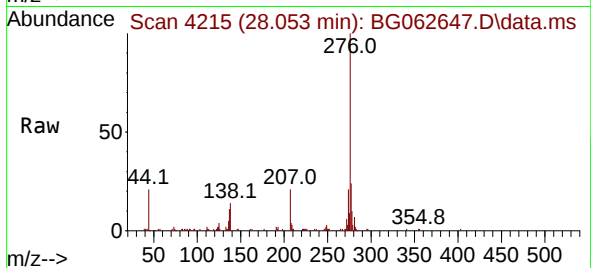
Tgt Ion:276 Resp: 183531

Ion Ratio Lower Upper

276 100

138 16.3 14.9 22.3

277 24.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.782 ng

RT: 23.629 min Scan# 3462

Delta R.T. -0.008 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

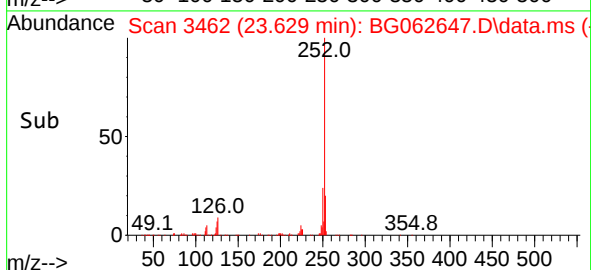
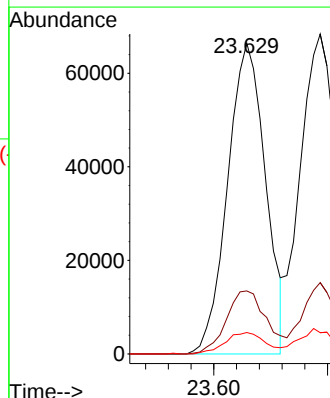
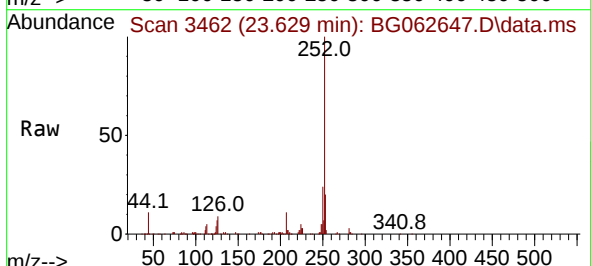
Tgt Ion:252 Resp: 153391

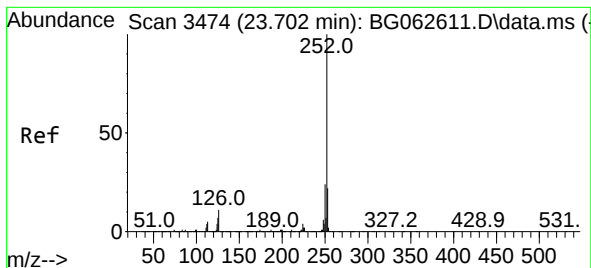
Ion Ratio Lower Upper

252 100

253 20.3 18.2 27.2

125 6.9 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 4.026 ng

RT: 23.694 min Scan# 34

Delta R.T. -0.008 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

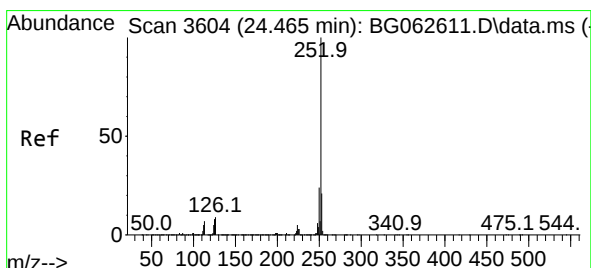
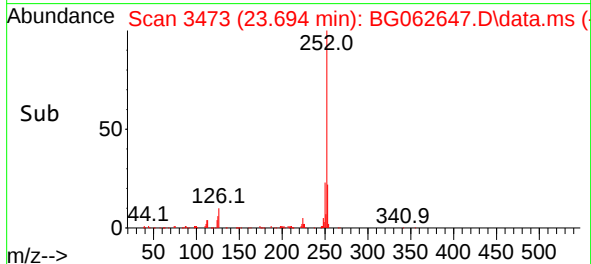
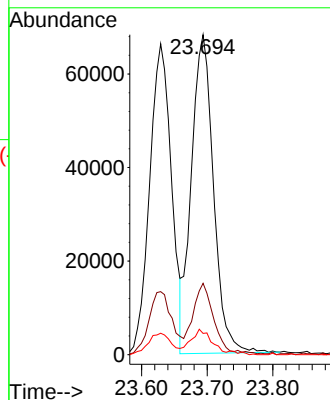
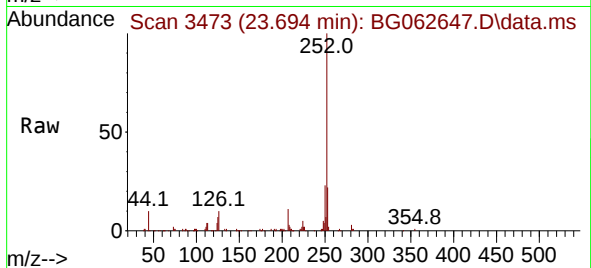
Tgt Ion:252 Resp: 159725

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 6.7 6.1 9.1



#90

Benzo(a)pyrene

Concen: 3.886 ng

RT: 24.451 min Scan# 3602

Delta R.T. -0.014 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

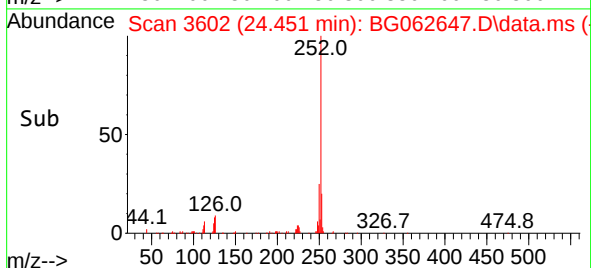
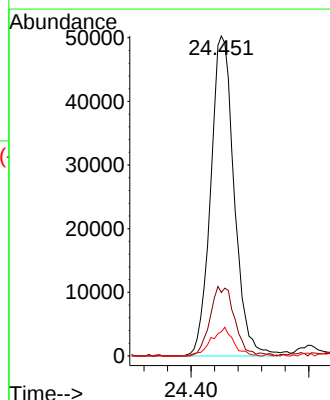
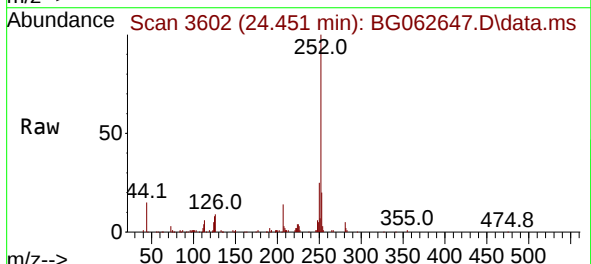
Tgt Ion:252 Resp: 139225

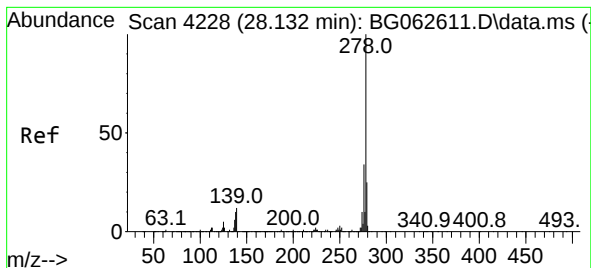
Ion Ratio Lower Upper

252 100

253 19.8 17.1 25.7

125 7.6 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 3.851 ng

RT: 28.106 min Scan# 41

Delta R.T. -0.026 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

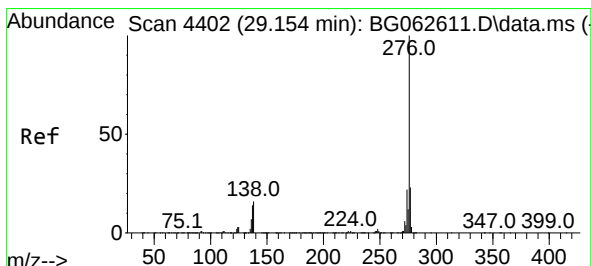
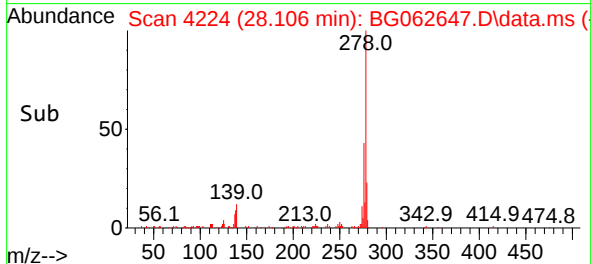
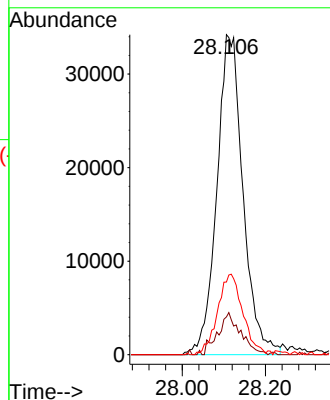
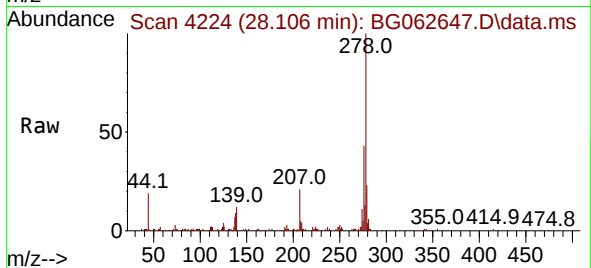
Tgt Ion:278 Resp: 149350

Ion Ratio Lower Upper

278 100

139 11.8 9.2 13.8

279 22.7 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 3.690 ng

RT: 29.146 min Scan# 4401

Delta R.T. -0.008 min

Lab File: BG062647.D

Acq: 4 Sep 2024 17:41

Tgt Ion:276 Resp: 144316

Ion Ratio Lower Upper

276 100

277 21.4 18.8 28.2

138 12.5 12.7 19.1#

