

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090324\
 Data File : BG062630.D
 Acq On : 3 Sep 2024 17:52
 Operator : MA/JU
 Sample : P3390-01
 Misc : LOD-MDL--SOIL-4ng
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Sep 04 04:58:33 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	7.920	152	57648	20.000	ng	0.00
21) Naphthalene-d8	10.717	136	249225	20.000	ng	0.00
39) Acenaphthene-d10	14.548	164	208750	20.000	ng	0.00
64) Phenanthrene-d10	17.292	188	560853	20.000	ng	0.00
76) Chrysene-d12	21.534	240	583905	20.000	ng	0.00
86) Perylene-d12	24.601	264	650996	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.500	112	413955	124.122	ng	0.00
7) Phenol-d6	7.086	99	574683	119.279	ng	0.00
23) Nitrobenzene-d5	9.072	82	399804	86.396	ng	0.00
42) 2,4,6-Tribromophenol	16.034	330	385153	131.104	ng	0.00
45) 2-Fluorobiphenyl	13.173	172	1085609	84.237	ng	0.00
79) Terphenyl-d14	19.912	244	2185542	74.217	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.414	88	7846	5.647	ng	# 80
3) Pyridine	3.807	79	14133	3.531	ng	# 81
4) n-Nitrosodimethylamine	3.719	42	8034	4.128	ng	# 86
6) Aniline	7.250	93	20875	4.637	ng	96
8) 2-Chlorophenol	7.491	128	14148	3.951	ng	93
9) Benzaldehyde	7.062	77	15550	5.548	ng	95
10) Phenol	7.115	94	18536	3.800	ng	94
11) bis(2-Chloroethyl)ether	7.339	93	15117	4.048	ng	98
12) 1,3-Dichlorobenzene	7.809	146	15490	3.942	ng	96
13) 1,4-Dichlorobenzene	7.961	146	16527	4.087	ng	97
14) 1,2-Dichlorobenzene	8.273	146	15501	3.900	ng	95
15) Benzyl Alcohol	8.161	79	13173	3.695	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.437	45	26409	3.711	ng	94
17) 2-Methylphenol	8.361	107	11419	3.359	ng	92
18) Hexachloroethane	9.001	117	5753	3.794	ng	94
19) n-Nitroso-di-n-propyla...	8.719	70	13981	3.683	ng	# 91
20) 3+4-Methylphenols	8.684	107	16772	3.344	ng	86
22) Acetophenone	8.737	105	25264	3.758	ng	96
24) Nitrobenzene	9.113	77	20497	4.166	ng	90
25) Isophorone	9.636	82	39409	3.880	ng	97
26) 2-Nitrophenol	9.824	139	6919	3.722	ng	98
27) 2,4-Dimethylphenol	9.889	122	7820	2.871	ng	94
28) bis(2-Chloroethoxy)met...	10.118	93	22216	4.085	ng	92
29) 2,4-Dichlorophenol	10.364	162	15155	3.979	ng	88
30) 1,2,4-Trichlorobenzene	10.576	180	17710	3.922	ng	87
31) Naphthalene	10.764	128	49555	4.012	ng	95
32) Benzoic acid	10.088	122	505	0.172	ng	# 31
33) 4-Chloroaniline	10.870	127	19029	3.914	ng	95
34) Hexachlorobutadiene	11.052	225	11971	3.796	ng	97
35) Caprolactam	11.610	113	5685	3.872	ng	93
36) 4-Chloro-3-methylphenol	11.992	107	16550	3.602	ng	# 93
37) 2-Methylnaphthalene	12.374	142	38463	4.014	ng	98
38) 1-Methylnaphthalene	12.585	142	36645	3.809	ng	99
40) 1,2,4,5-Tetrachloroben...	12.738	216	25018	3.985	ng	97
41) Hexachlorocyclopentadiene	12.726	237	5655	3.157	ng	95
43) 2,4,6-Trichlorophenol	12.979	196	15210	3.822	ng	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090324\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.050	196	15294	3.393	ng	94
46) 1,1'-Biphenyl	13.379	154	59931	4.303	ng	97
47) 2-Chloronaphthalene	13.420	162	43734	3.875	ng	100
48) 2-Nitroaniline	13.619	65	10550	3.554	ng	96
49) Acenaphthylene	14.266	152	70423	4.213	ng	98
50) Dimethylphthalate	13.995	163	62337	4.084	ng	97
51) 2,6-Dinitrotoluene	14.113	165	10068	3.487	ng	93
52) Acenaphthene	14.607	154	41181	3.941	ng	90
53) 3-Nitroaniline	14.442	138	9826	3.517	ng	98
54) 2,4-Dinitrophenol	14.654	184	2845	1.756	ng	99
55) Dibenzofuran	14.941	168	74739	4.171	ng	100
56) 4-Nitrophenol	14.759	139	7869	3.324	ng	86
57) 2,4-Dinitrotoluene	14.900	165	13613	3.456	ng	# 91
58) Fluorene	15.594	166	56970	4.051	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.165	232	16806	3.936	ng	# 97
60) Diethylphthalate	15.364	149	59731	3.948	ng	96
61) 4-Chlorophenyl-phenylether	15.588	204	32452	4.020	ng	97
62) 4-Nitroaniline	15.599	138	10146	3.294	ng	90
63) Azobenzene	15.876	77	55510	3.907	ng	99
65) 4,6-Dinitro-2-methylph...	15.664	198	7125	2.847	ng	97
66) n-Nitrosodiphenylamine	15.799	169	51528	3.821	ng	99
67) 4-Bromophenyl-phenylether	16.481	248	23135	3.997	ng	93
68) Hexachlorobenzene	16.598	284	26725	3.899	ng	93
69) Atrazine	16.745	200	21648	4.727	ng	96
70) Pentachlorophenol	16.939	266	10345	2.356	ng	96
71) Phenanthrene	17.333	178	108973	4.163	ng	97
72) Anthracene	17.421	178	105611	4.103	ng	99
73) Carbazole	17.691	167	93478	3.951	ng	98
74) Di-n-butylphthalate	18.255	149	99097	3.714	ng	99
75) Fluoranthene	19.342	202	131338	3.967	ng	98
77) Benzidine	19.524	184	42387	4.028	ng	99
78) Pyrene	19.706	202	140367	3.782	ng	99
80) Butylbenzylphthalate	20.600	149	37598	3.449	ng	93
81) Benzo(a)anthracene	21.516	228	147901	4.016	ng	99
82) 3,3'-Dichlorobenzidine	21.434	252	47311	3.943	ng	97
83) Chrysene	21.575	228	143563	4.070	ng	98
84) Bis(2-ethylhexyl)phtha...	21.434	149	58857	3.554	ng	100
85) Di-n-octyl phthalate	22.597	149	97727	3.370	ng	97
87) Indeno(1,2,3-cd)pyrene	28.061	276	161014	3.857	ng	# 94
88) Benzo(b)fluoranthene	23.631	252	139944	3.892	ng	99
89) Benzo(k)fluoranthene	23.690	252	138446	3.936	ng	99
90) Benzo(a)pyrene	24.460	252	124574	3.922	ng	97
91) Dibenzo(a,h)anthracene	28.120	278	132325	3.848	ng	98
92) Benzo(g,h,i)perylene	29.142	276	127730	3.684	ng	94

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

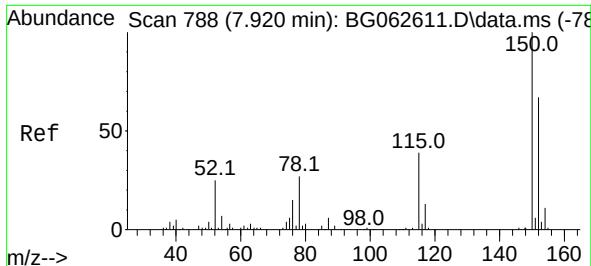
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-OT3-2024

TIC: BG062630.D\data.ms

Abundance

Time-->

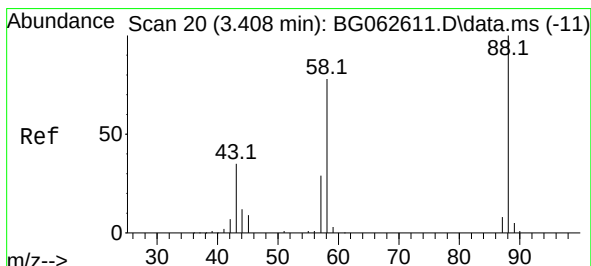
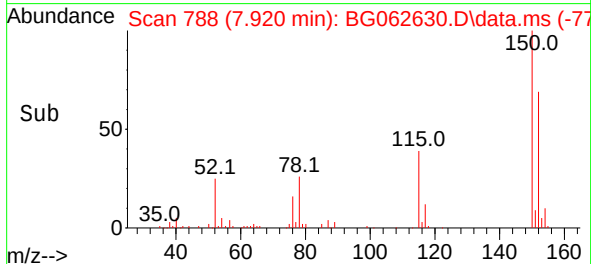
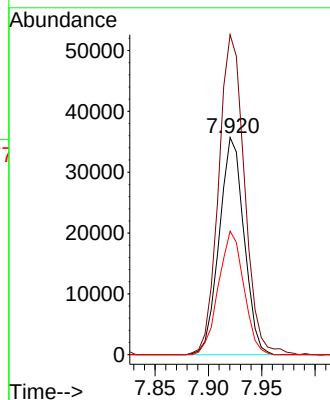
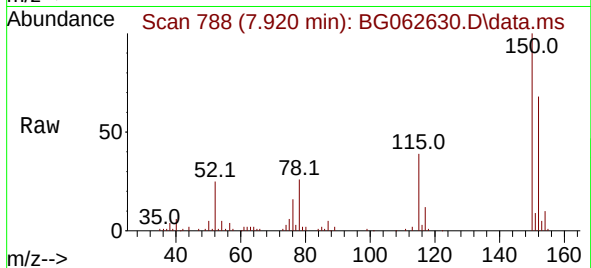
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Phenol-d6,S
2-Fluorophenol,S
Benzene-d6
Diethylphthalate
Chlorobenzene
1,2-Dichlorobenzene-d4,l
1,2,4-Trichlorobenzene
2-Methylnaphthalene
Nitrobenzene-d5,S
Nitrobenzene
Squalene
Biphenylmethane
2,4,6-Trichlorophenol,C
Hexachlorocyclopentadiene,C
Caprolactam
4-Chloro-3-methylphenol,C
2-Methylnaphthalene
Hexachlorocyclopentadiene,C
2,4,6-Trichlorophenol,C
2-Nitroaniline
2-Methylphthalate
2-Nitrofluorene
3-Nitrofluorene
Acenaphthene-d10,l
2,4,6-Trisubstituted phenol
Diethylphthalate
4-Ethoxyphenol
Phenanthrene-d10,l
Anthracene
Carbazole
Di-n-butylphthalate
Fluoranthene,C
Pyrene
Butylbenzylphthalate
Chrysene-d12,l
Benzo(a,h)anthracene
Di-n-octyl phthalate,c
Benzo(b)fluoranthene
Benzo(a)pyrene,C
Perylene-d12,l
Indeno(1,2,3-cd)pyrene
Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.920 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

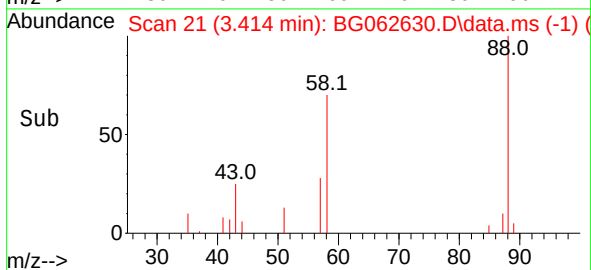
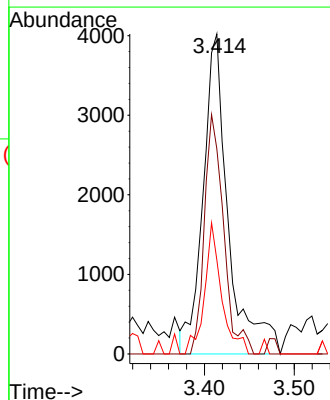
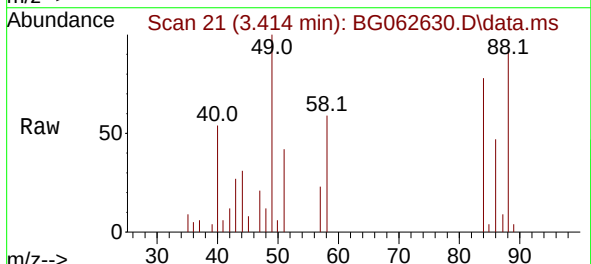
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BNA_G
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LOD-MDL-SOIL-01-QT3-2024

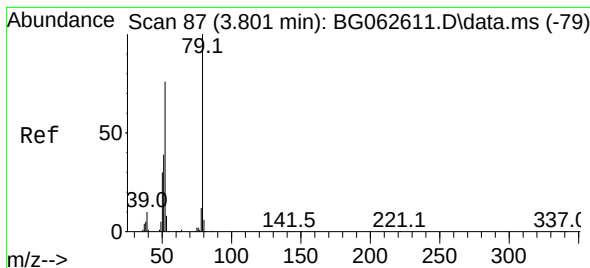
Tgt Ion:152 Resp: 57648
Ion Ratio Lower Upper
152 100
150 147.4 119.9 179.9
115 56.9 46.6 69.8



#2
1,4-Dioxane
Concen: 5.647 ng
RT: 3.414 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion: 88 Resp: 7846
Ion Ratio Lower Upper
88 100
58 57.0 62.3 93.5#
43 27.8 27.5 41.3





#3

Pyridine

Concen: 3.531 ng

RT: 3.807 min Scan# 87

Delta R.T. 0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

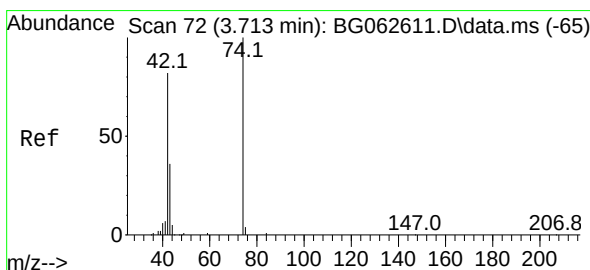
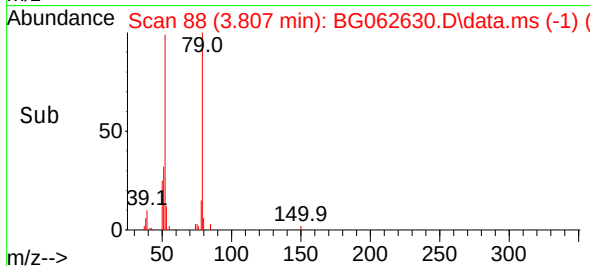
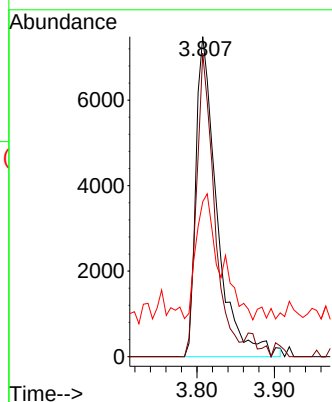
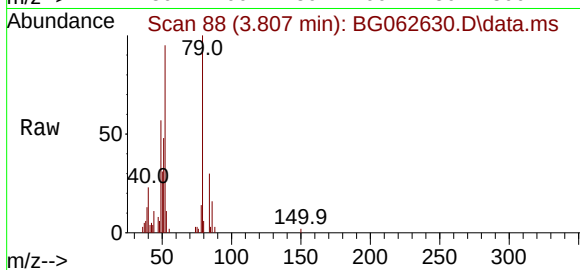
Tgt Ion: 79 Resp: 14133

Ion Ratio Lower Upper

79 100

52 94.8 60.9 91.3#

51 48.5 31.5 47.3#



#4

n-Nitrosodimethylamine

Concen: 4.128 ng

RT: 3.719 min Scan# 73

Delta R.T. 0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

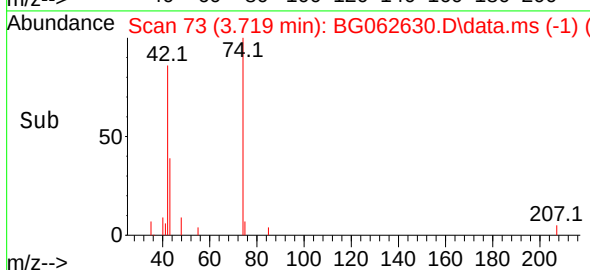
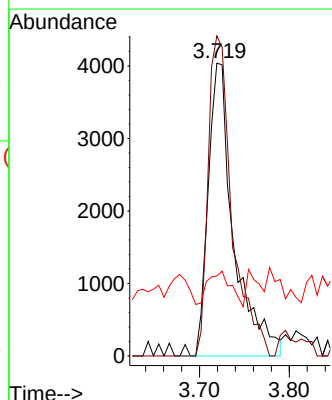
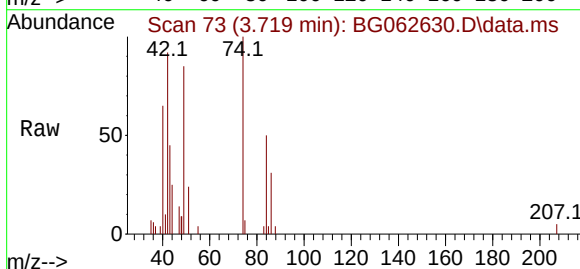
Tgt Ion: 42 Resp: 8034

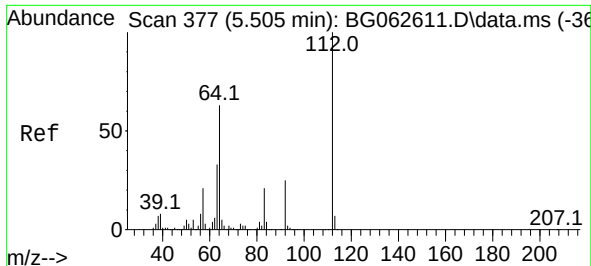
Ion Ratio Lower Upper

42 100

74 109.3 98.0 147.0

44 27.3 7.4 11.2#

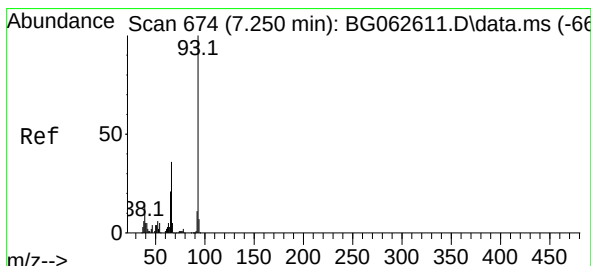
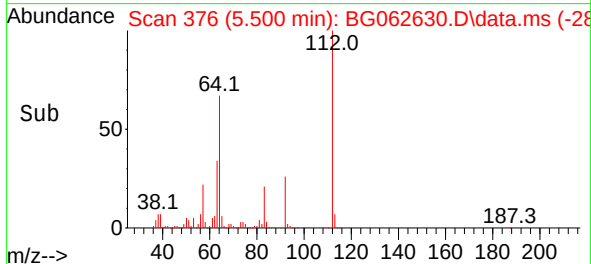
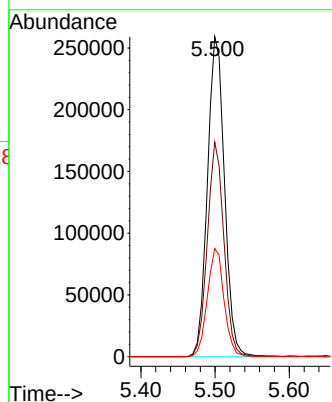
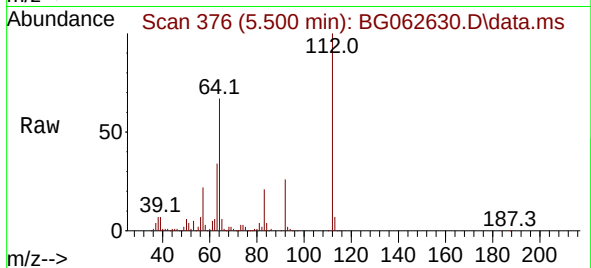




#5
2-Fluorophenol
Concen: 124.122 ng
RT: 5.500 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

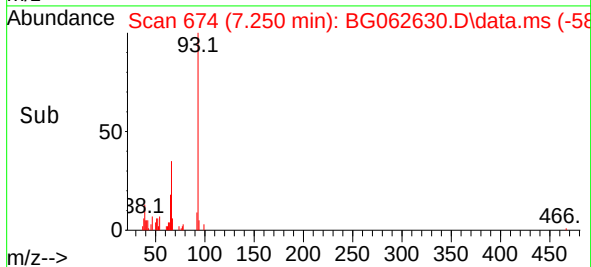
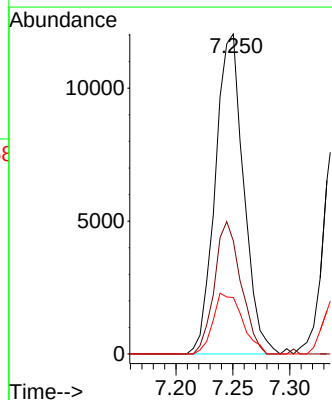
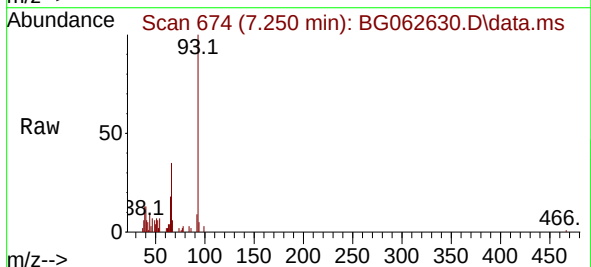
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

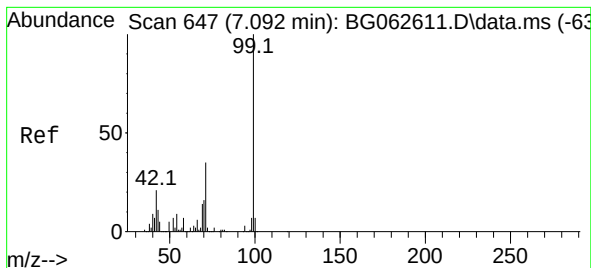
Tgt Ion:112 Resp: 413955
Ion Ratio Lower Upper
112 100
64 67.1 50.2 75.2
63 33.8 26.6 39.8



#6
Aniline
Concen: 4.637 ng
RT: 7.250 min Scan# 674
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion: 93 Resp: 20875
Ion Ratio Lower Upper
93 100
66 35.4 29.1 43.7
65 17.7 16.6 25.0





#7

Phenol-d6

Concen: 119.279 ng

RT: 7.086 min Scan# 647

Delta R.T. -0.006 min

Lab File: BG062630.D

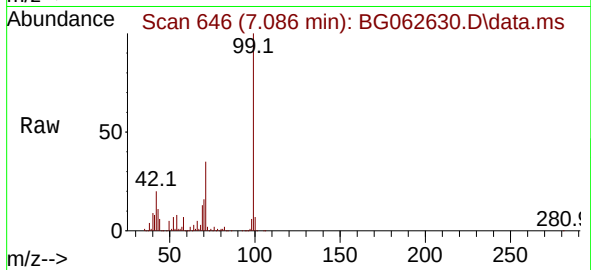
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ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



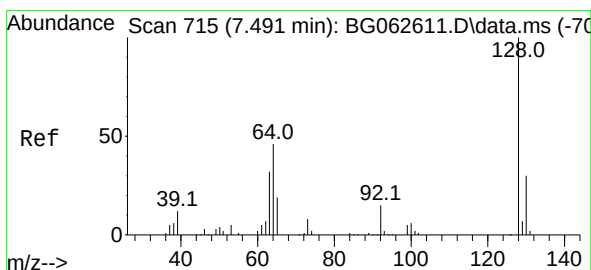
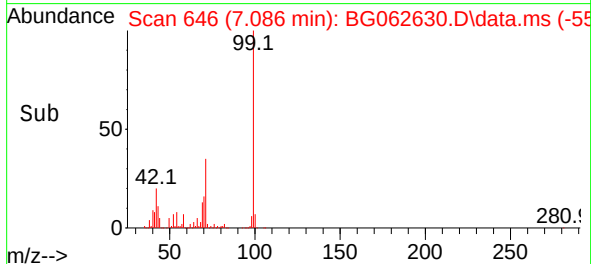
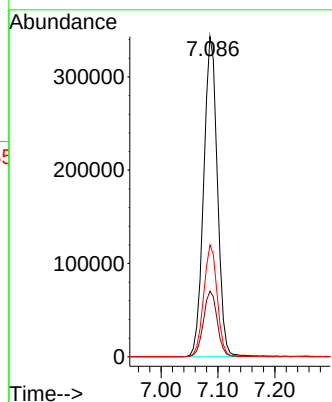
Tgt Ion: 99 Resp: 574683

Ion Ratio Lower Upper

99 100

42 20.5 16.9 25.3

71 34.9 27.9 41.9



#8

2-Chlorophenol

Concen: 3.951 ng

RT: 7.491 min Scan# 715

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

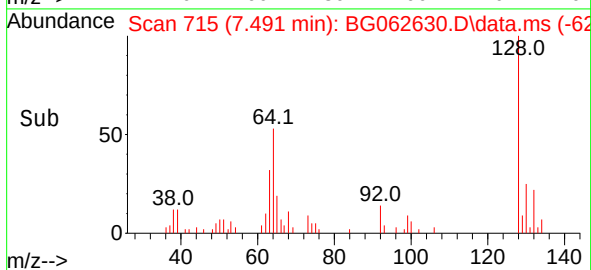
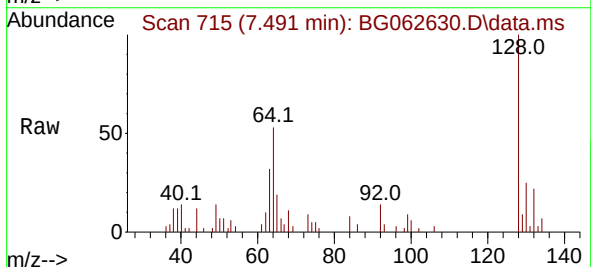
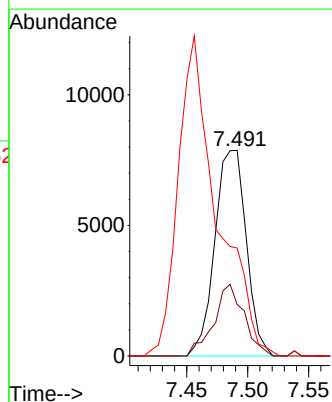
Tgt Ion:128 Resp: 14148

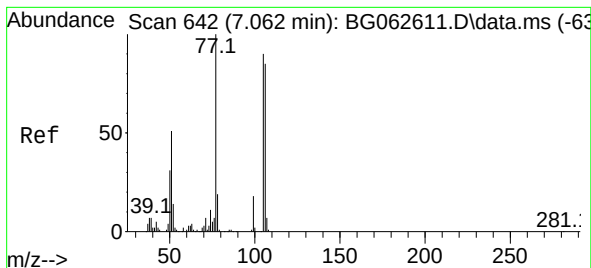
Ion Ratio Lower Upper

128 100

130 25.0 10.0 50.0

64 52.6 28.8 68.8





#9

Benzaldehyde

Concen: 5.548 ng

RT: 7.062 min Scan# 642

Delta R.T. 0.000 min

Lab File: BG062630.D

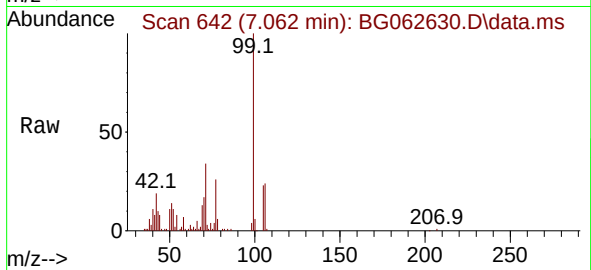
Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



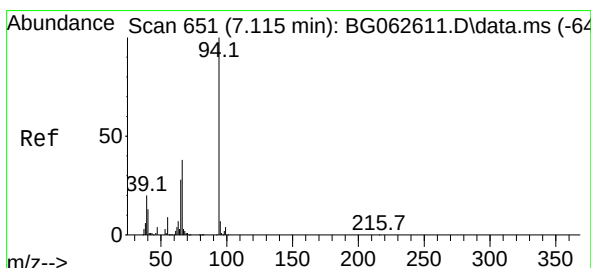
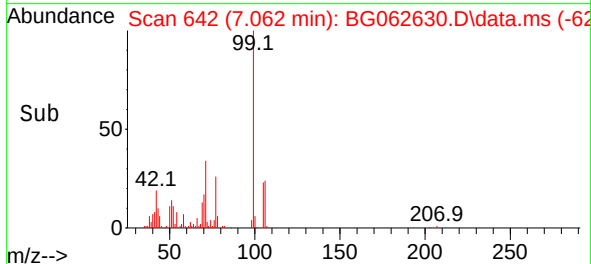
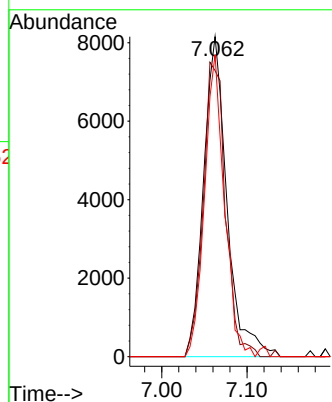
Tgt Ion: 77 Resp: 15550

Ion Ratio Lower Upper

77 100

105 89.4 70.2 110.2

106 94.4 65.4 105.4



#10

Phenol

Concen: 3.800 ng

RT: 7.115 min Scan# 651

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

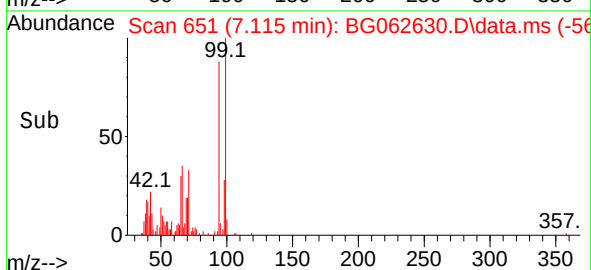
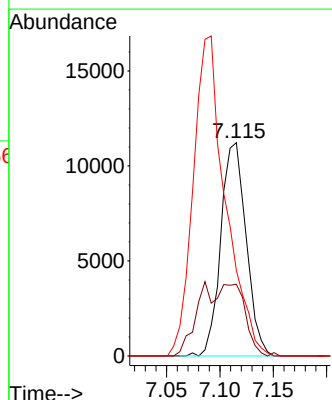
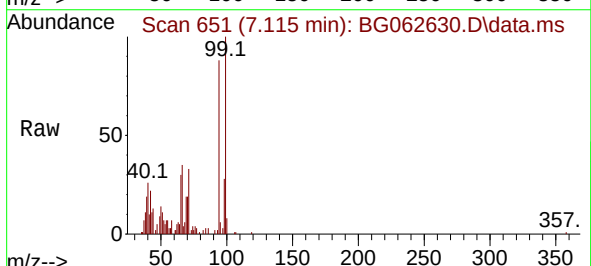
Tgt Ion: 94 Resp: 18536

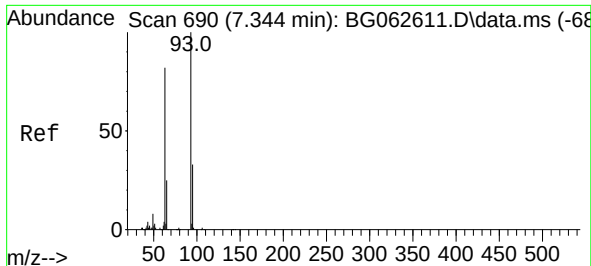
Ion Ratio Lower Upper

94 100

65 33.6 8.6 48.6

66 40.1 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 4.048 ng

RT: 7.339 min Scan# 61

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

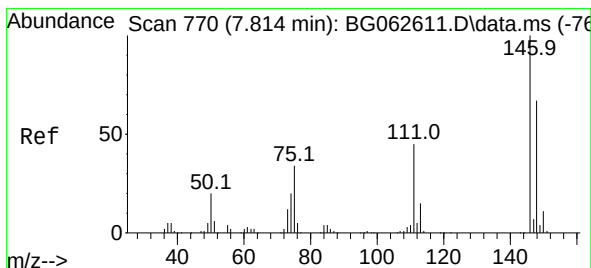
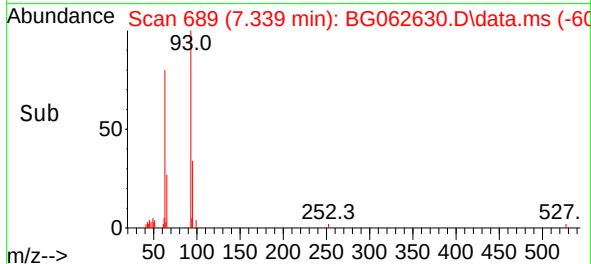
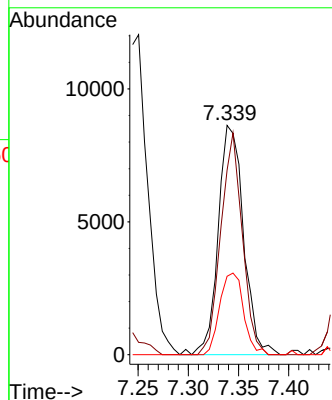
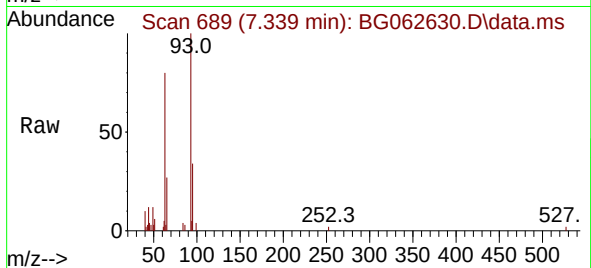
Tgt Ion: 93 Resp: 15117

Ion Ratio Lower Upper

93 100

63 80.5 61.9 101.9

95 34.2 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 3.942 ng

RT: 7.809 min Scan# 769

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

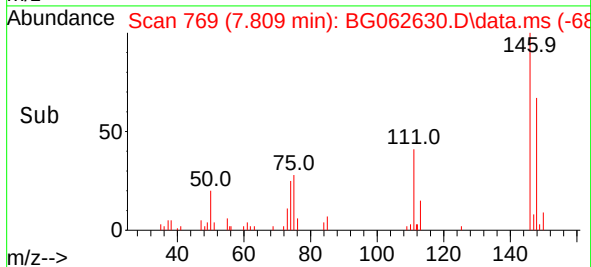
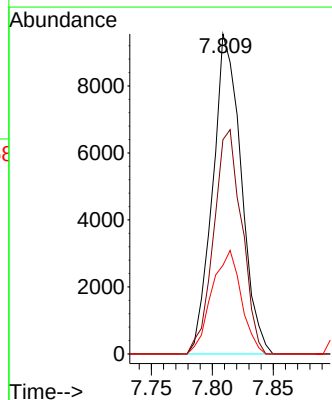
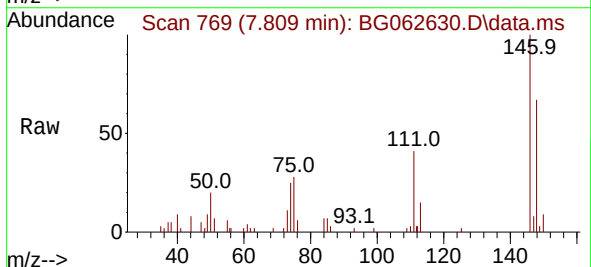
Tgt Ion:146 Resp: 15490

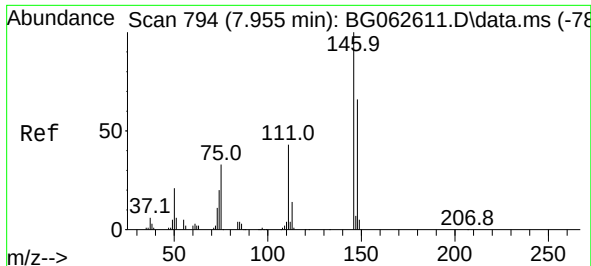
Ion Ratio Lower Upper

146 100

148 66.9 53.9 80.9

75 27.7 27.0 40.4

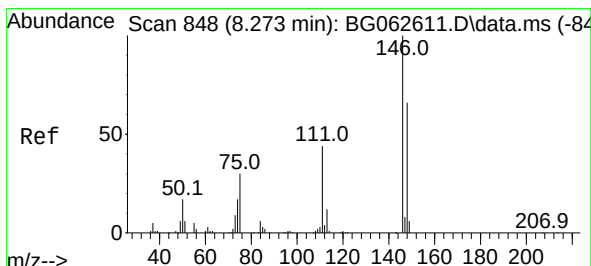
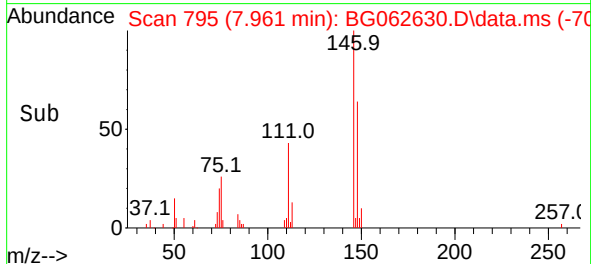
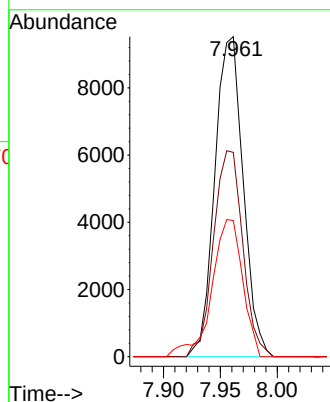
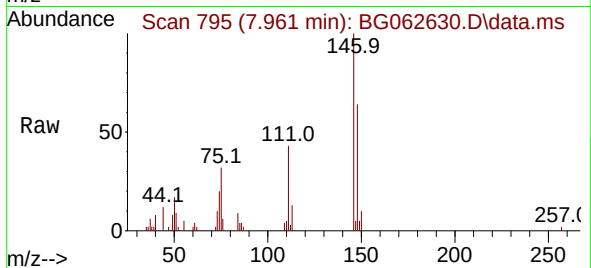




#13
1,4-Dichlorobenzene
Concen: 4.087 ng
RT: 7.961 min Scan# 795
Delta R.T. 0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

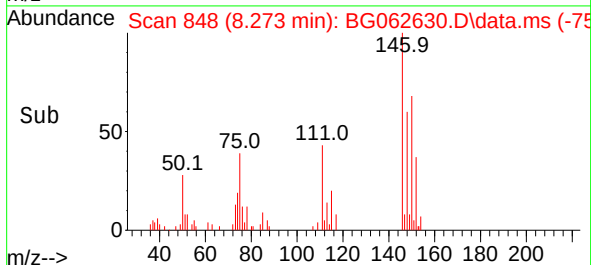
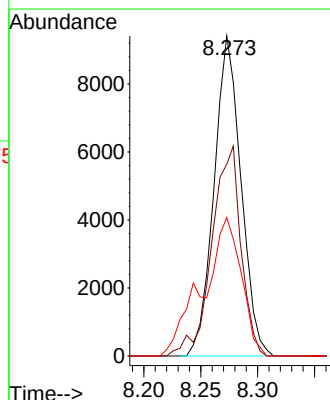
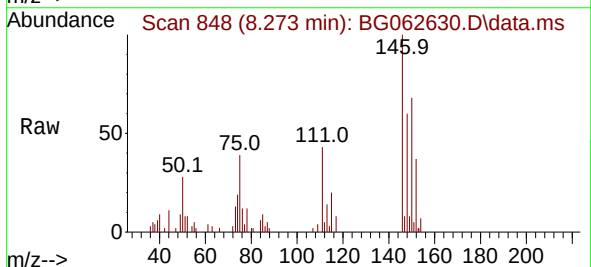
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

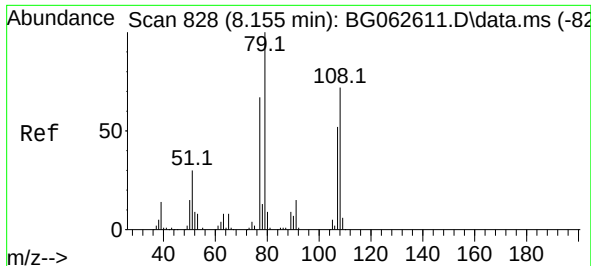
Tgt Ion:146 Resp: 16527
Ion Ratio Lower Upper
146 100
148 63.9 53.0 79.6
111 42.5 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 3.900 ng
RT: 8.273 min Scan# 848
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:146 Resp: 15501
Ion Ratio Lower Upper
146 100
148 59.9 52.5 78.7
111 43.2 35.5 53.3

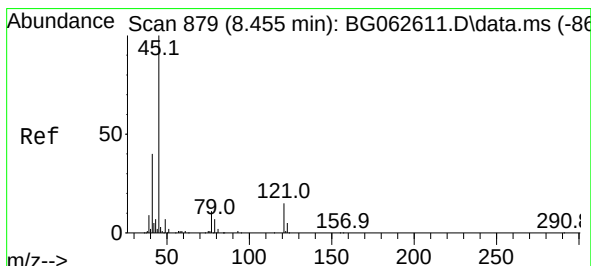
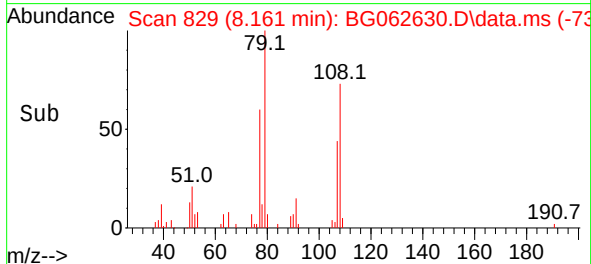
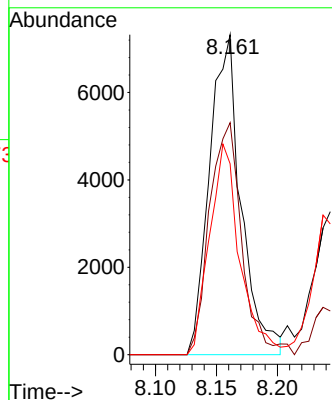
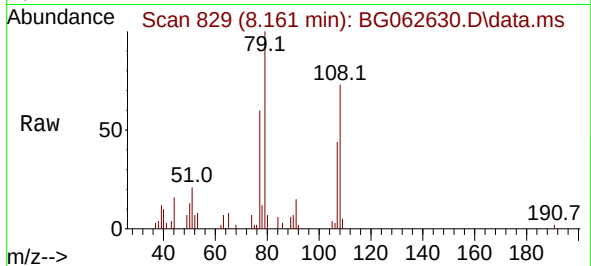




#15
Benzyl Alcohol
Concen: 3.695 ng
RT: 8.161 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

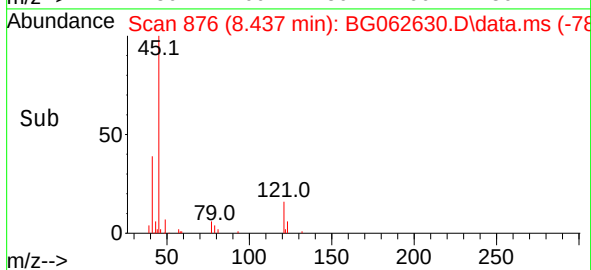
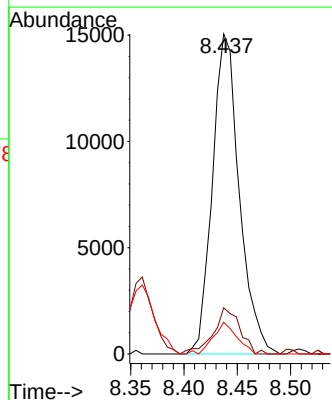
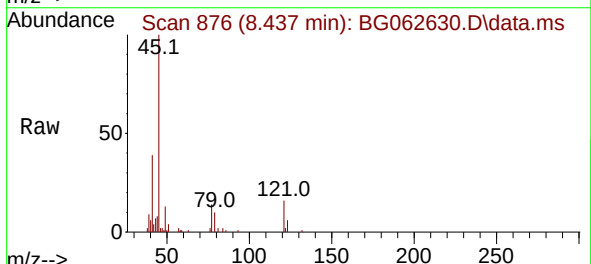
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

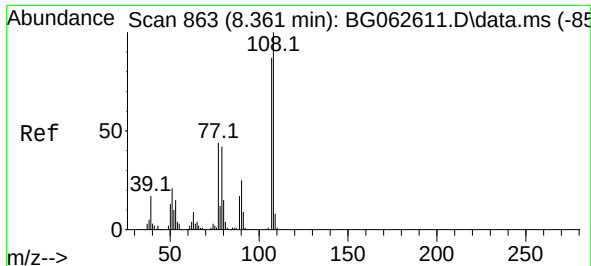
Tgt Ion: 79 Resp: 13173
Ion Ratio Lower Upper
79 100
108 72.5 57.9 86.9
77 59.6 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.711 ng
RT: 8.437 min Scan# 876
Delta R.T. -0.017 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

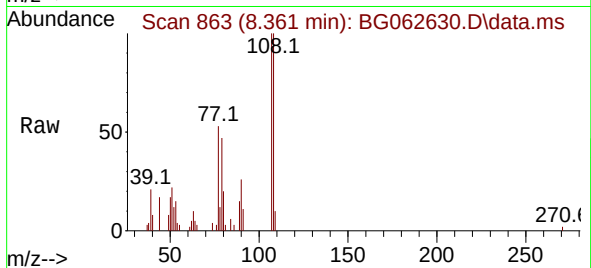
Tgt Ion: 45 Resp: 26409
Ion Ratio Lower Upper
45 100
77 14.4 0.0 31.7
79 9.9 0.0 28.3



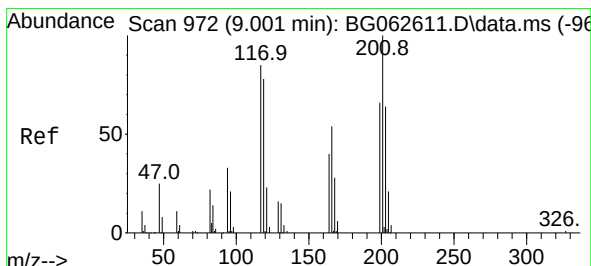
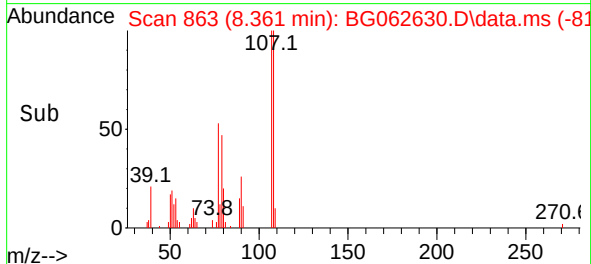
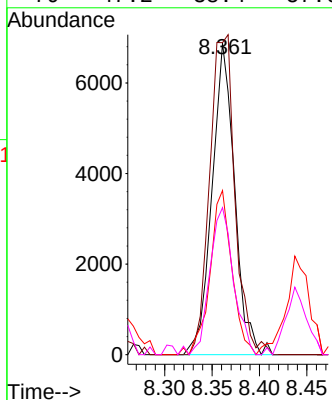


#17
2-Methylphenol
Concen: 3.359 ng
RT: 8.361 min Scan# 863
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

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

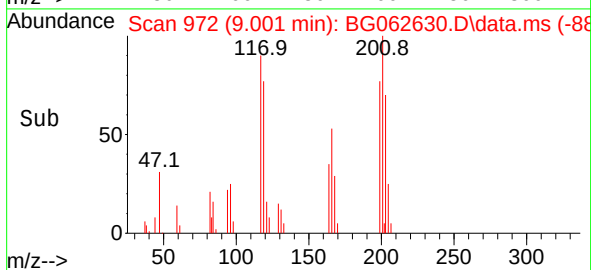
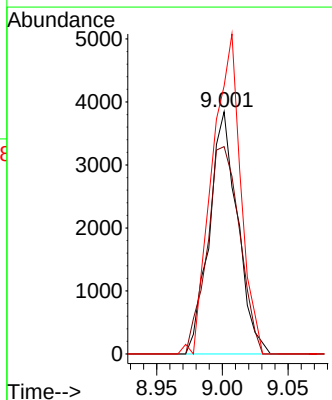
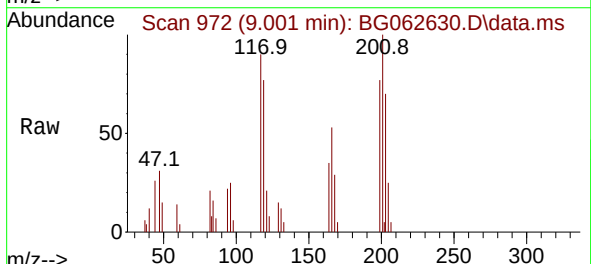


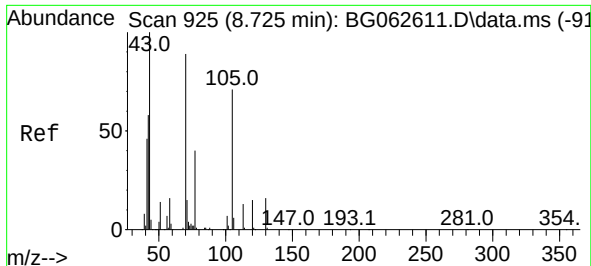
Tgt Ion:	107	Resp:	11419
Ion	Ratio	Lower	Upper
107	100		
108	100.1	91.5	137.3
77	52.7	40.0	60.0
79	47.2	38.4	57.6



#18
Hexachloroethane
Concen: 3.794 ng
RT: 9.001 min Scan# 972
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:	117	Resp:	5753
Ion	Ratio	Lower	Upper
117	100		
119	85.6	73.4	110.0
201	110.6	93.9	140.9

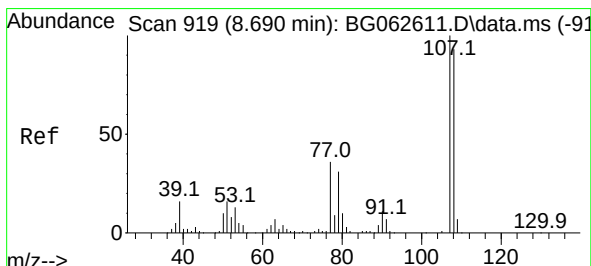
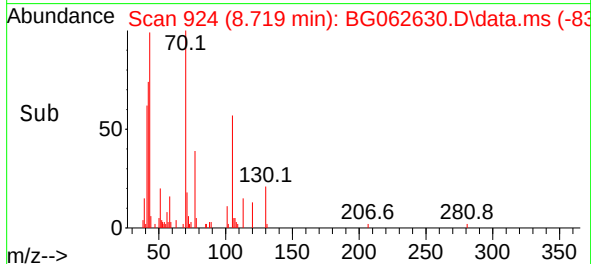
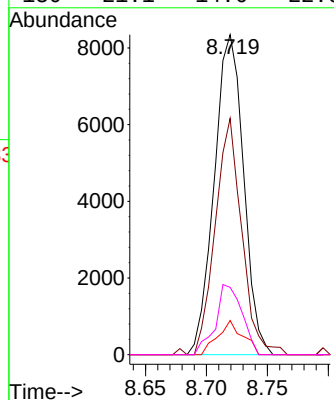
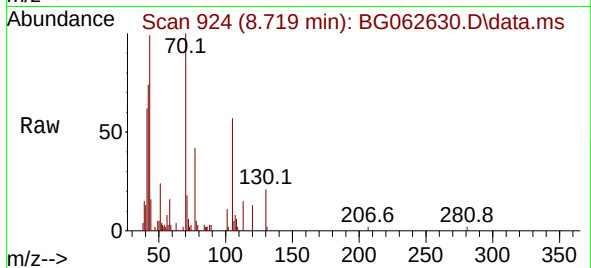




#19
n-Nitroso-di-n-propylamine
Concen: 3.683 ng
RT: 8.719 min Scan# 918
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

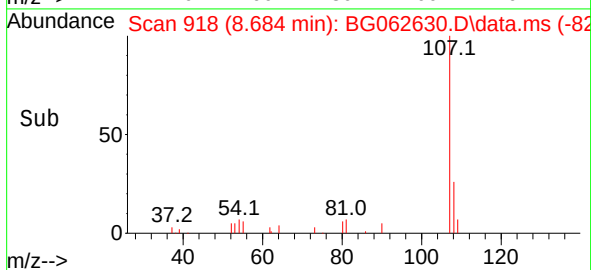
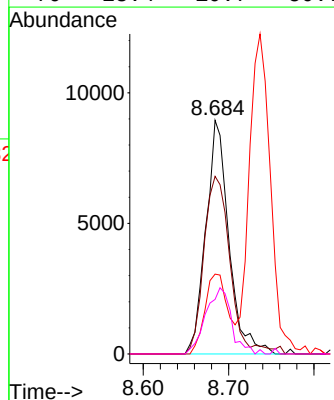
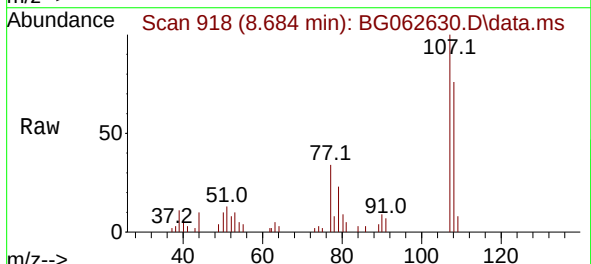
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

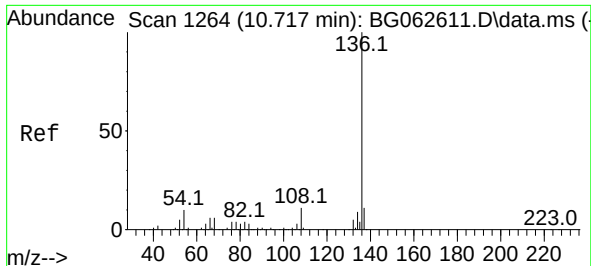
Tgt Ion: 70 Resp: 13981
Ion Ratio Lower Upper
70 100
42 73.8 52.3 78.5
101 10.7 6.6 9.8#
130 21.1 14.6 22.0



#20
3+4-Methylphenols
Concen: 3.344 ng
RT: 8.684 min Scan# 918
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:107 Resp: 16772
Ion Ratio Lower Upper
107 100
108 76.0 72.7 112.7
77 34.2 16.5 56.5
79 23.4 10.7 50.7

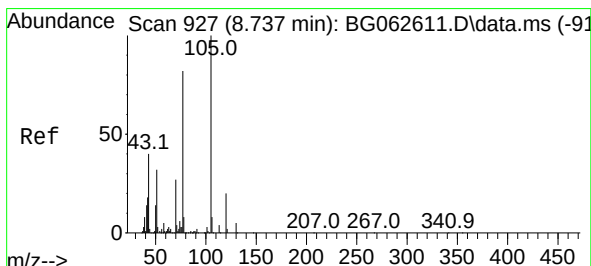
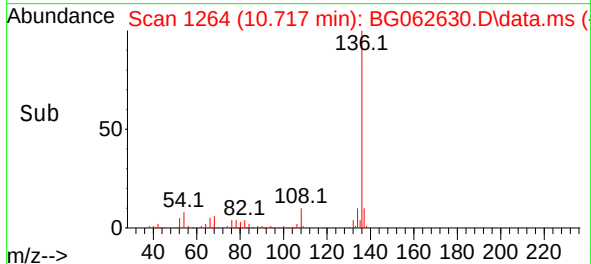
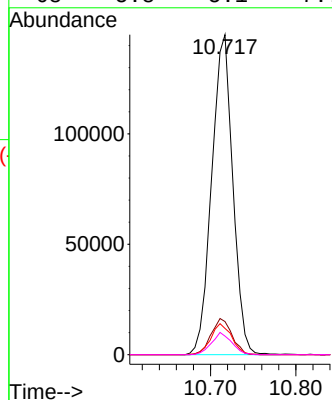
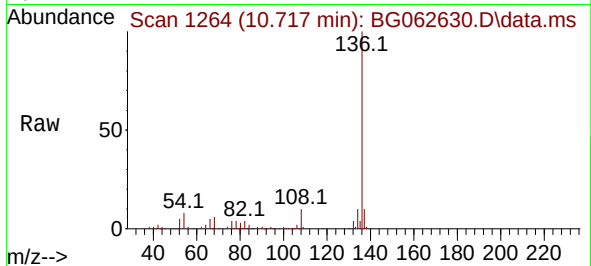




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.717 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

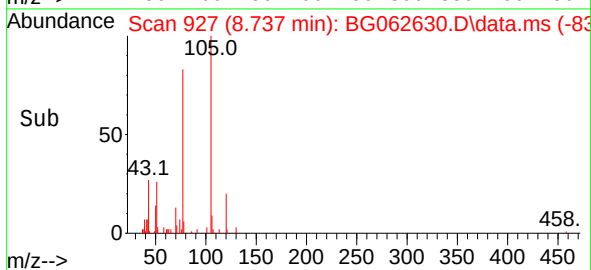
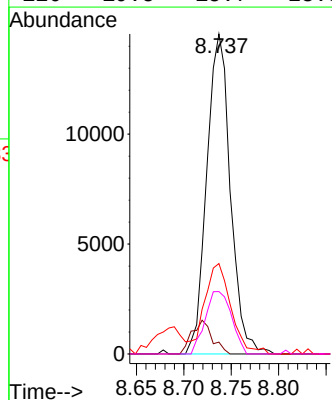
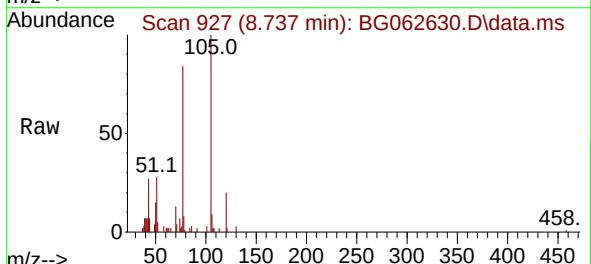
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

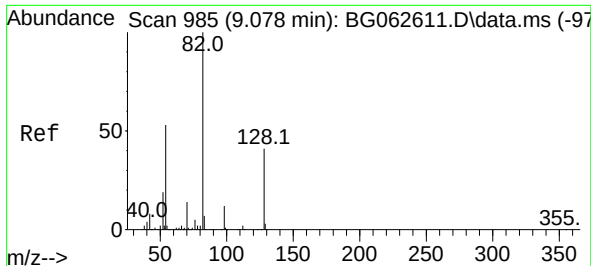
Tgt Ion:	136	Resp:	249225
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.0	13.4
54	8.2	7.8	11.6
68	5.8	5.1	7.7



#22
Acetophenone
Concen: 3.758 ng
RT: 8.737 min Scan# 927
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:	105	Resp:	25264
Ion Ratio	Lower	Upper	
105	100		
71	3.7	3.5	5.3
51	28.3	25.7	38.5
120	19.5	15.7	23.5





#23

Nitrobenzene-d5

Concen: 86.396 ng

RT: 9.072 min Scan# 91

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

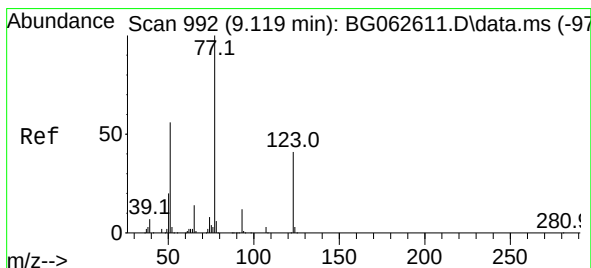
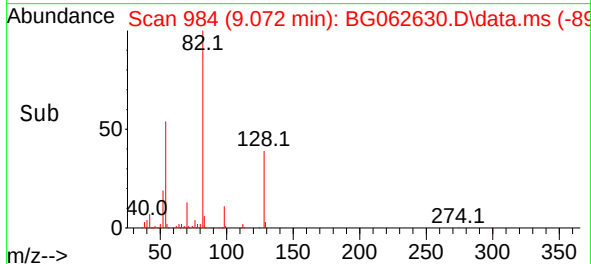
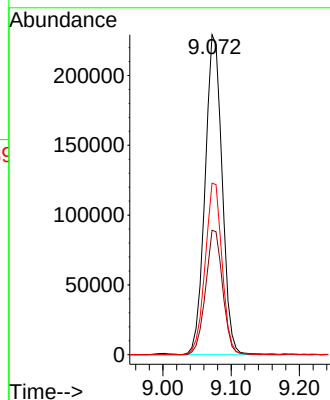
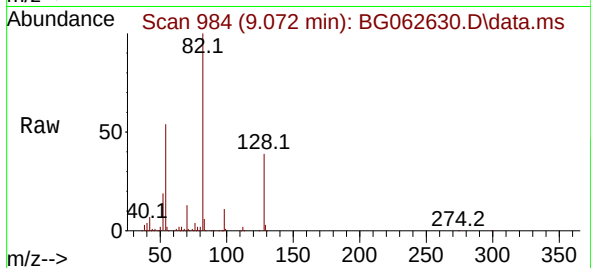
Tgt Ion: 82 Resp: 399804

Ion Ratio Lower Upper

82 100

128 38.9 32.5 48.7

54 53.6 42.5 63.7



#24

Nitrobenzene

Concen: 4.166 ng

RT: 9.113 min Scan# 991

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

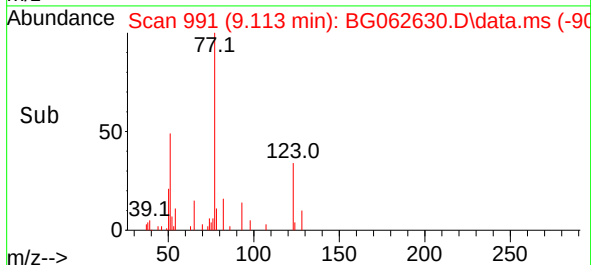
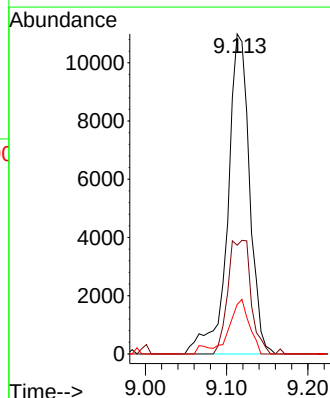
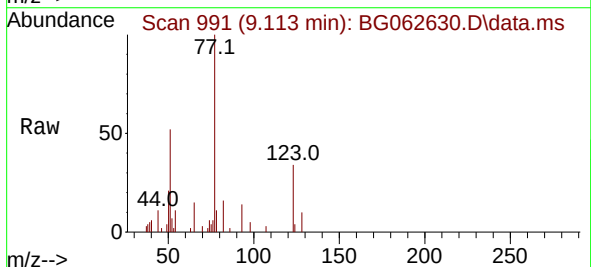
Tgt Ion: 77 Resp: 20497

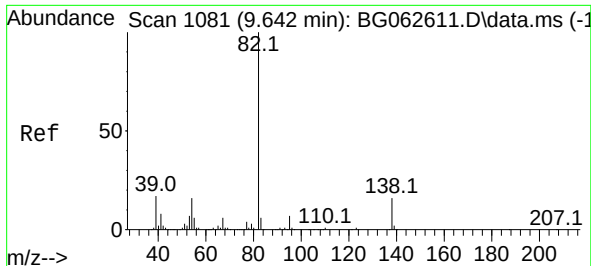
Ion Ratio Lower Upper

77 100

123 34.0 33.1 49.7

65 15.5 11.0 16.4





#25

Isophorone

Concen: 3.880 ng

RT: 9.636 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

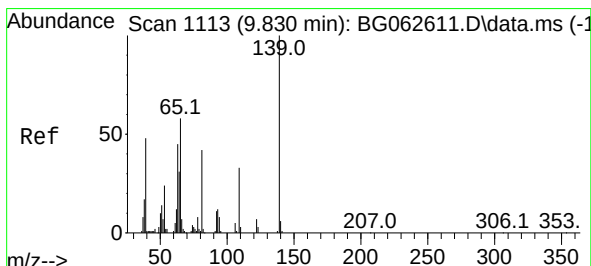
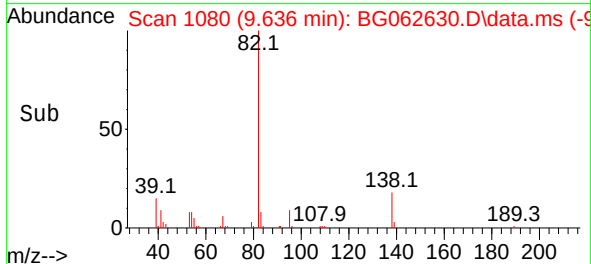
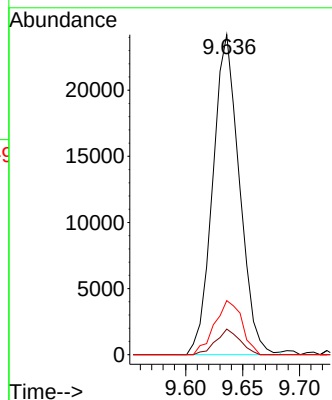
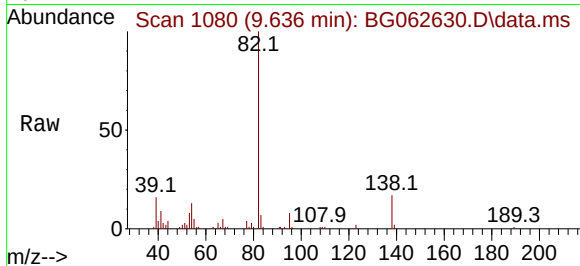
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:	82	Resp:	39409
Ion Ratio	Lower	Upper	
82	100		
95	8.0	5.4	8.0
138	16.9	12.6	18.8



#26

2-Nitrophenol

Concen: 3.722 ng

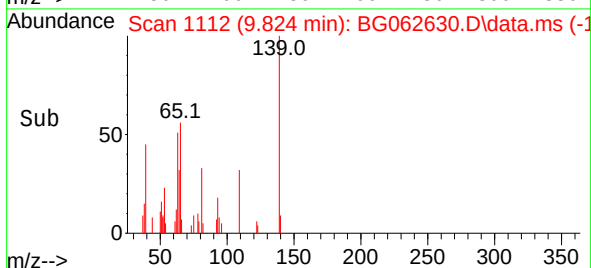
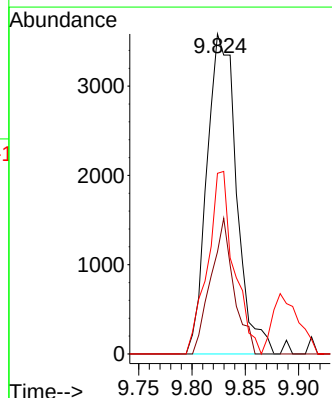
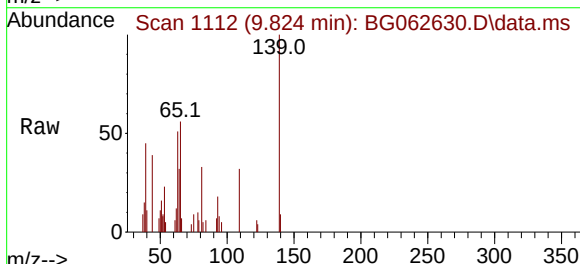
RT: 9.824 min Scan# 1112

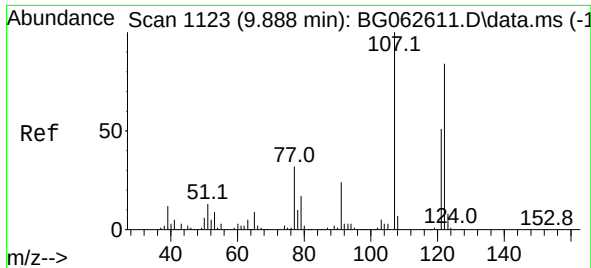
Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Tgt Ion:	139	Resp:	6919
Ion Ratio	Lower	Upper	
139	100		
109	31.9	26.6	39.8
65	56.4	46.5	69.7

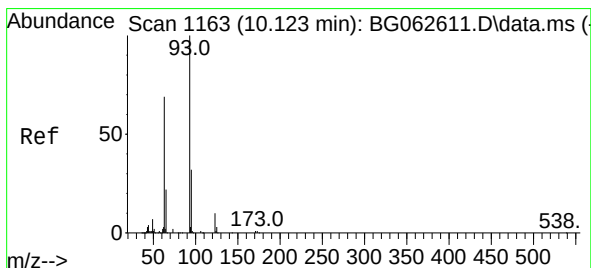
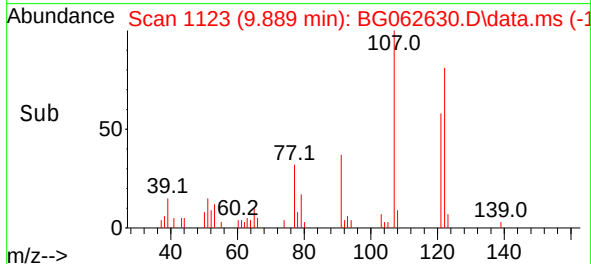
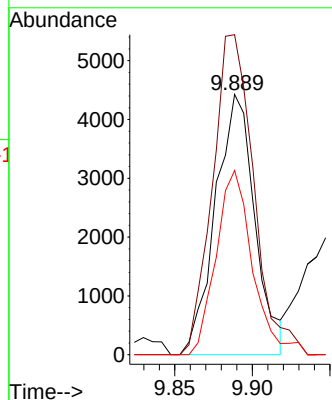
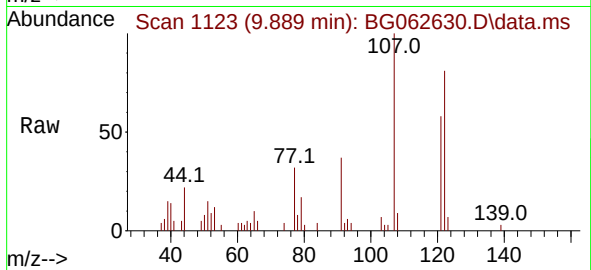




#27
2,4-Dimethylphenol
Concen: 2.871 ng
RT: 9.889 min Scan# 1123
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

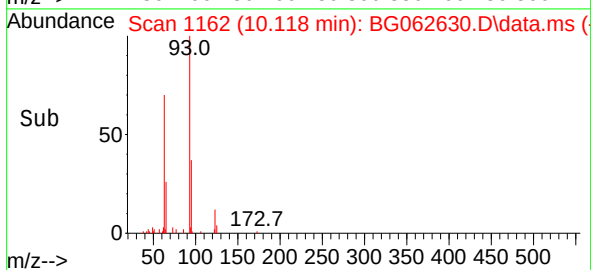
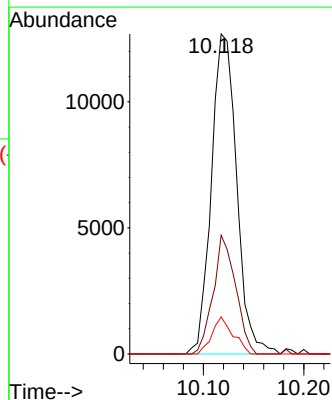
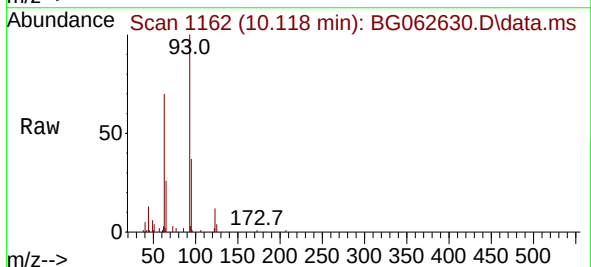
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

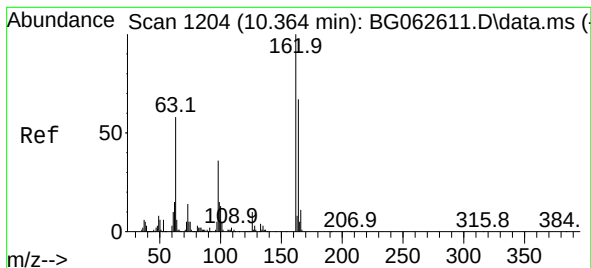
Tgt Ion:122 Resp: 7820
Ion Ratio Lower Upper
122 100
107 122.9 95.8 143.6
121 70.7 48.6 72.8



#28
bis(2-Chloroethoxy)methane
Concen: 4.085 ng
RT: 10.118 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion: 93 Resp: 22216
Ion Ratio Lower Upper
93 100
95 37.1 25.4 38.0
123 11.6 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 3.979 ng

RT: 10.364 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG062630.D

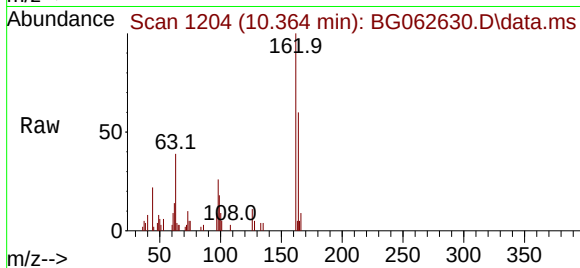
Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



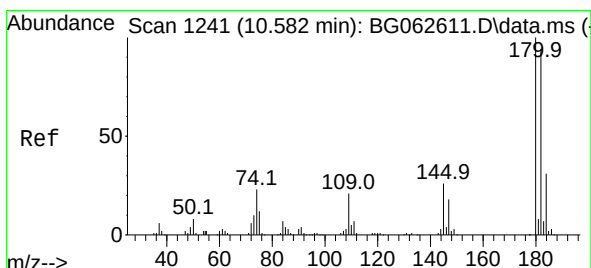
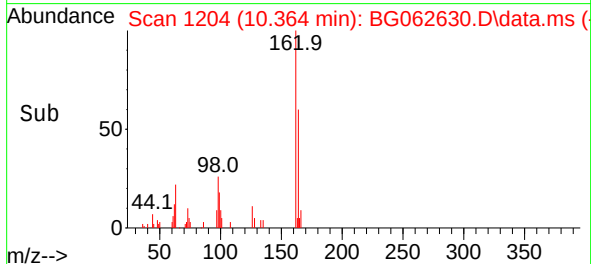
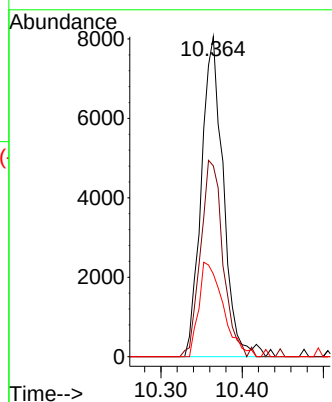
Tgt Ion:162 Resp: 15155

Ion Ratio Lower Upper

162 100

164 59.7 46.8 86.8

98 25.9 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 3.922 ng

RT: 10.576 min Scan# 1240

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

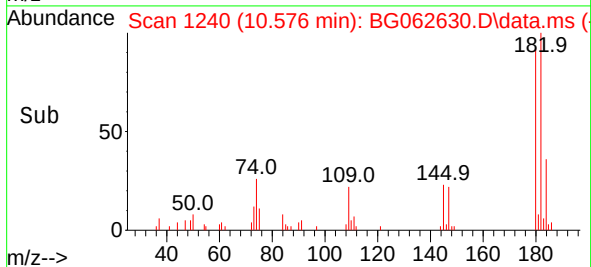
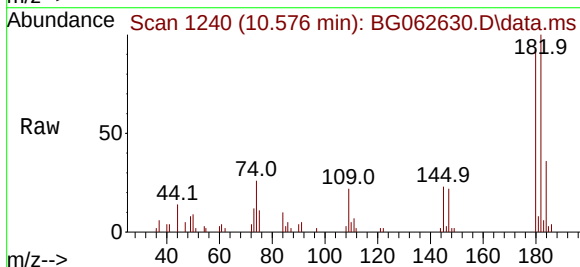
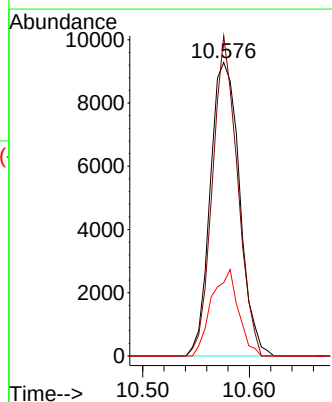
Tgt Ion:180 Resp: 17710

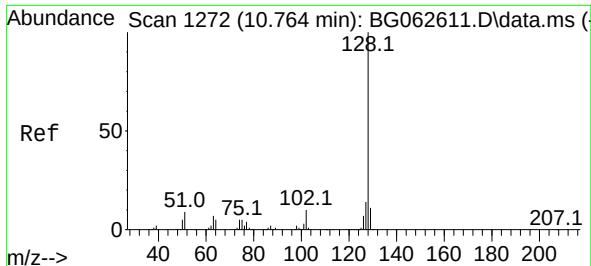
Ion Ratio Lower Upper

180 100

182 109.1 75.1 112.7

145 25.0 20.8 31.2

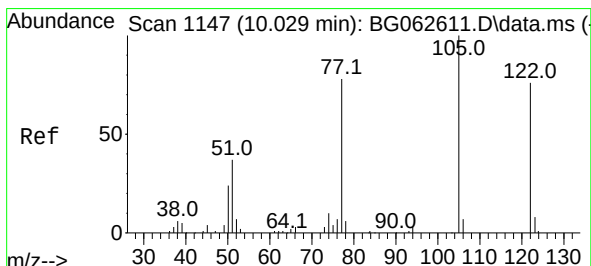
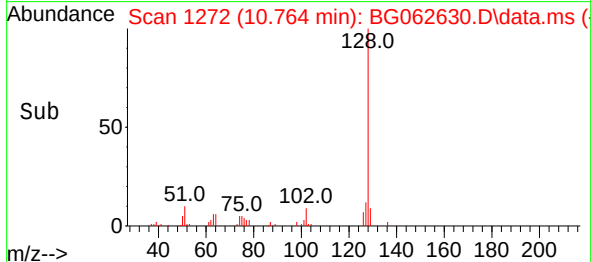
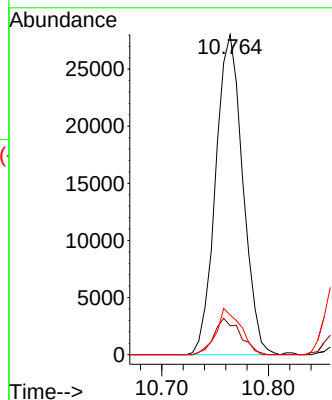
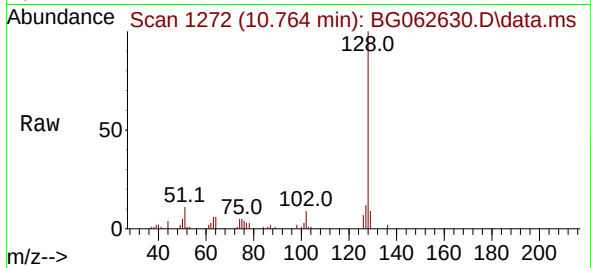




#31
Naphthalene
Concen: 4.012 ng
RT: 10.764 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

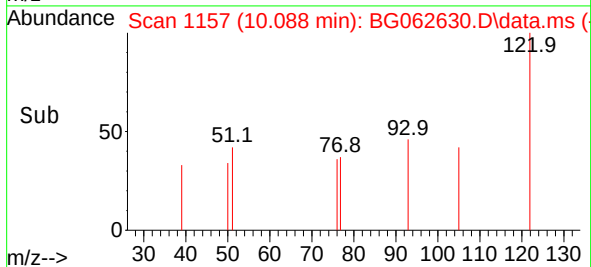
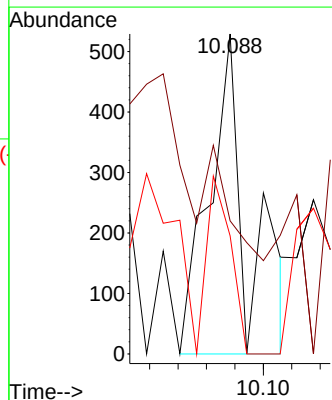
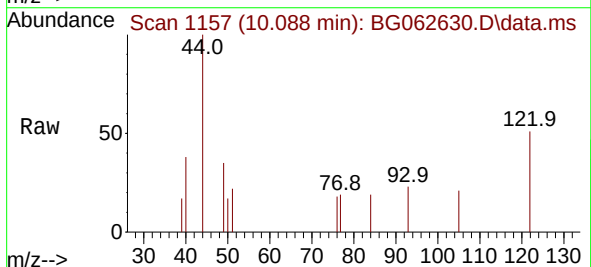
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

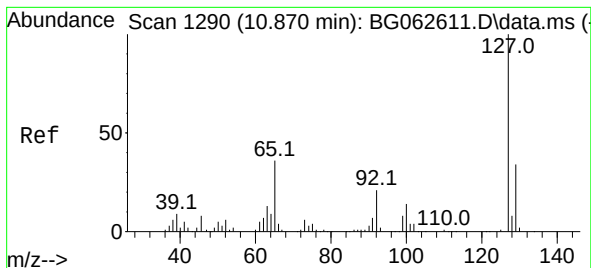
Tgt Ion:128 Resp: 49555
Ion Ratio Lower Upper
128 100
129 9.0 8.8 13.2
127 12.4 11.3 16.9



#32
Benzoic acid
Concen: 0.172 ng
RT: 10.088 min Scan# 1157
Delta R.T. 0.059 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:122 Resp: 505
Ion Ratio Lower Upper
122 100
105 41.6 105.7 145.7#
77 36.9 79.9 119.9#

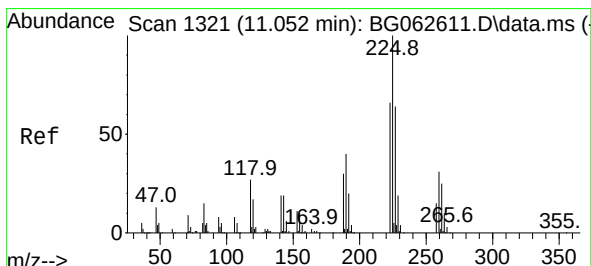
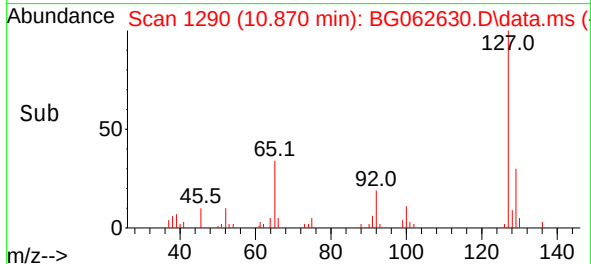
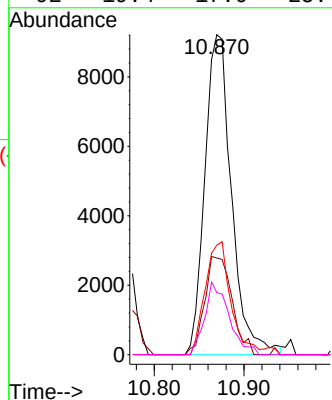
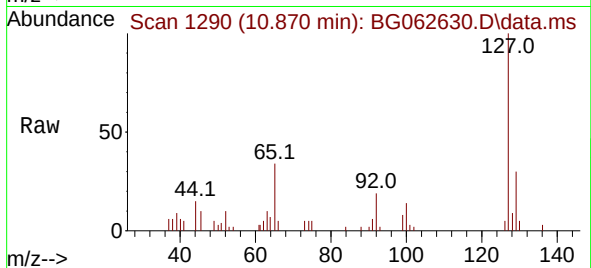




#33
4-Chloroaniline
Concen: 3.914 ng
RT: 10.870 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

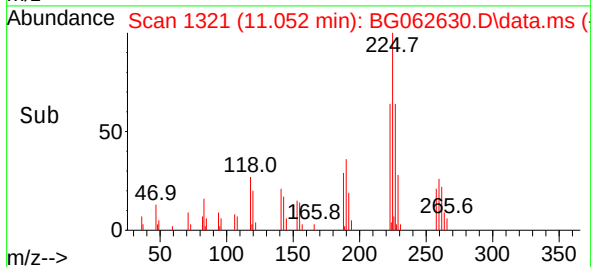
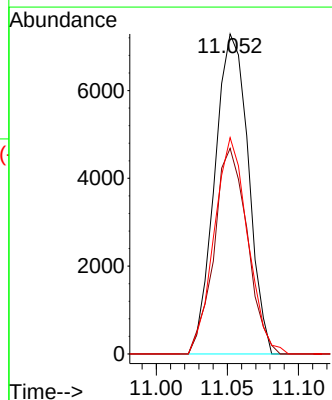
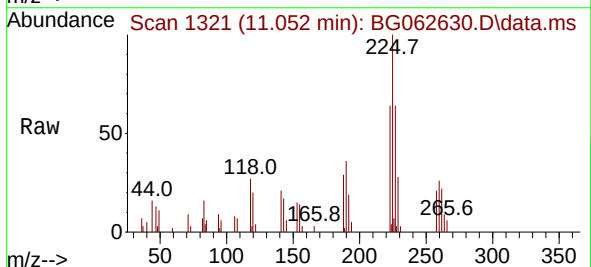
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

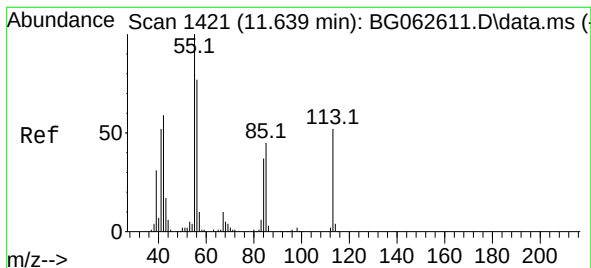
Tgt Ion:	127	Resp:	19029
Ion	Ratio	Lower	Upper
127	100		
129	30.2	27.3	40.9
65	34.2	29.0	43.4
92	19.4	17.0	25.4



#34
Hexachlorobutadiene
Concen: 3.796 ng
RT: 11.052 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:	225	Resp:	11971
Ion	Ratio	Lower	Upper
225	100		
223	60.0	50.1	75.1
227	63.1	48.9	73.3





#35

Caprolactam

Concen: 3.872 ng

RT: 11.610 min Scan# 1416

Delta R.T. -0.029 min

Lab File: BG062630.D

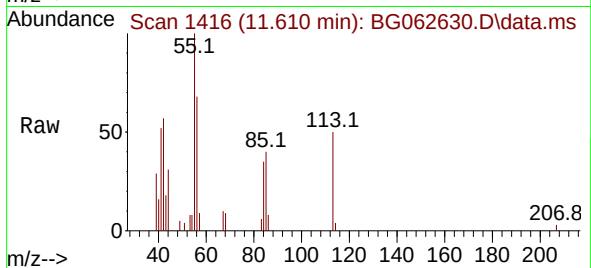
Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



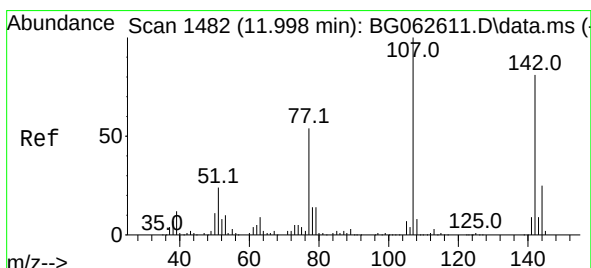
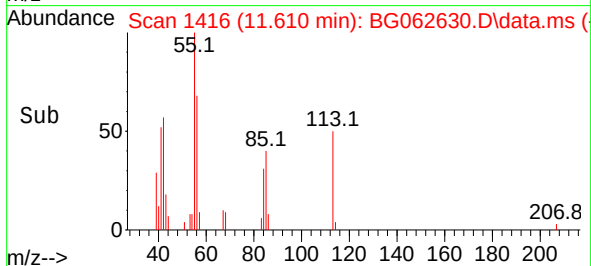
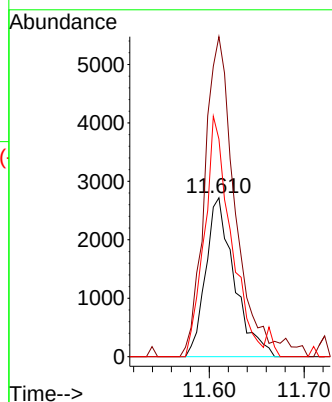
Tgt Ion:113 Resp: 5685

Ion Ratio Lower Upper

113 100

55 201.4 174.1 214.1

56 136.9 129.8 169.8



#36

4-Chloro-3-methylphenol

Concen: 3.602 ng

RT: 11.992 min Scan# 1481

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

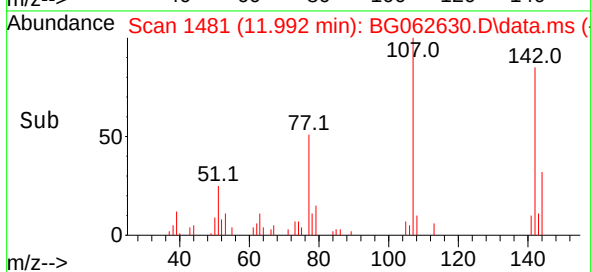
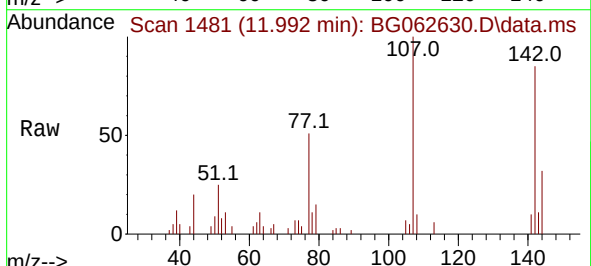
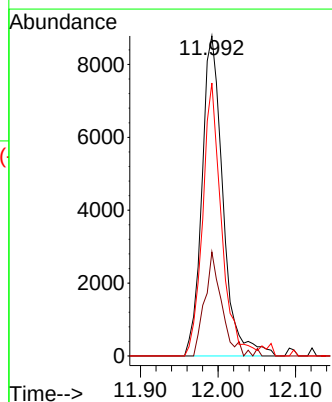
Tgt Ion:107 Resp: 16550

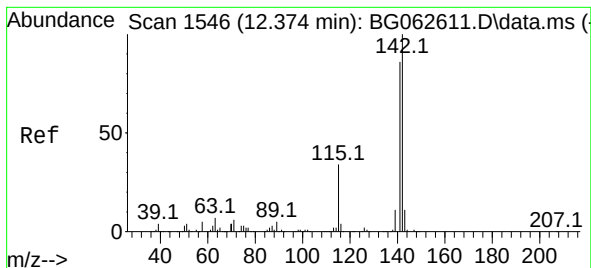
Ion Ratio Lower Upper

107 100

144 32.5 19.8 29.8#

142 85.3 64.7 97.1





#37

2-Methylnaphthalene

Concen: 4.014 ng

RT: 12.374 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

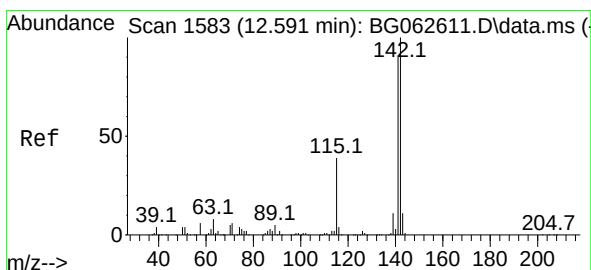
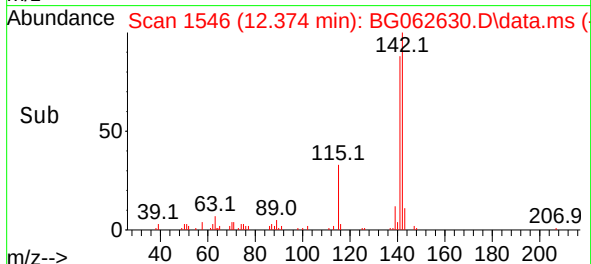
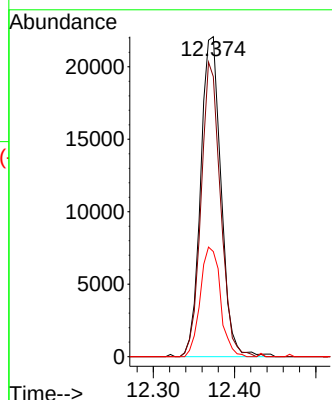
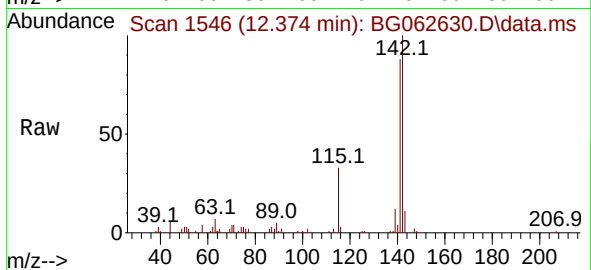
Tgt Ion:142 Resp: 38463

Ion Ratio Lower Upper

142 100

141 87.5 68.9 103.3

115 32.8 27.5 41.3



#38

1-Methylnaphthalene

Concen: 3.809 ng

RT: 12.585 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

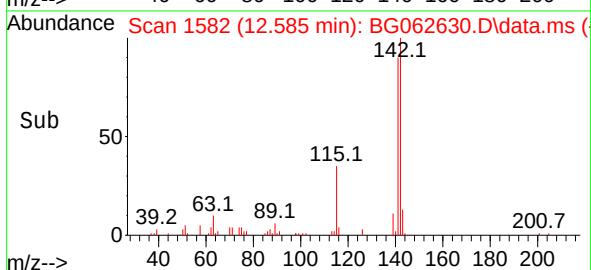
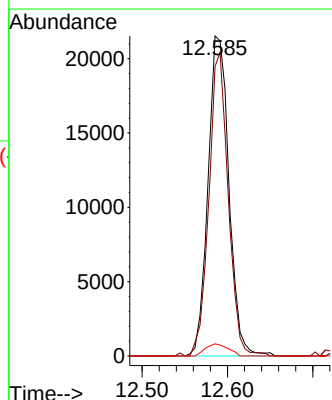
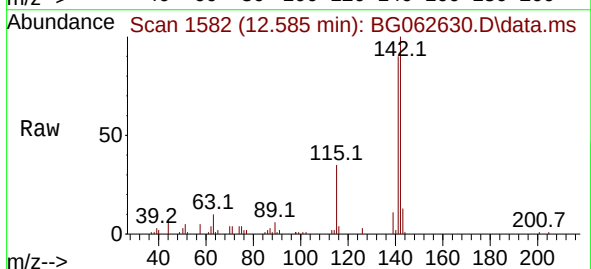
Tgt Ion:142 Resp: 36645

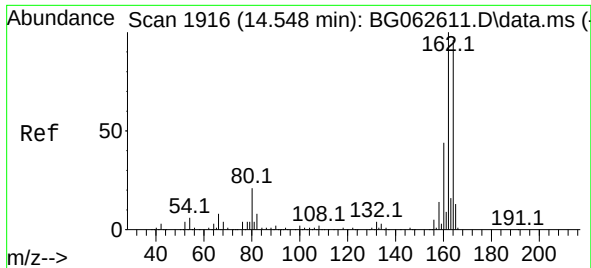
Ion Ratio Lower Upper

142 100

141 90.5 73.0 109.4

116 3.8 3.2 4.8

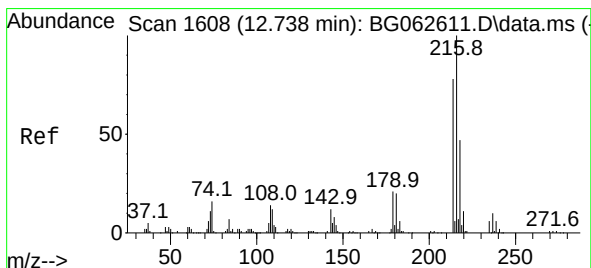
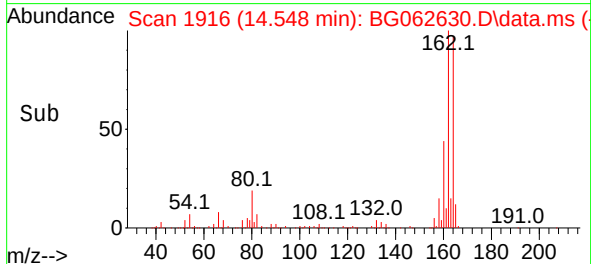
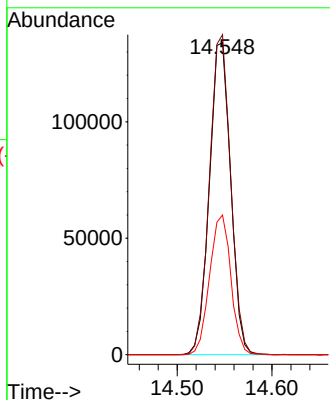
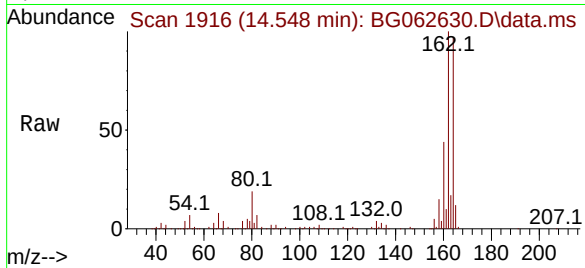




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.548 min Scan# 1916
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

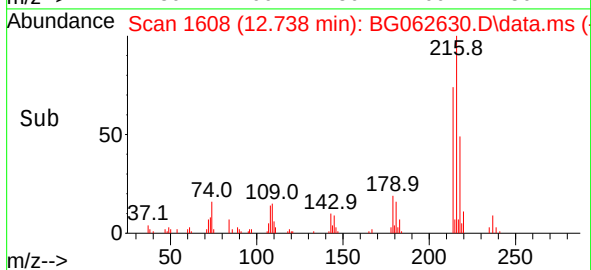
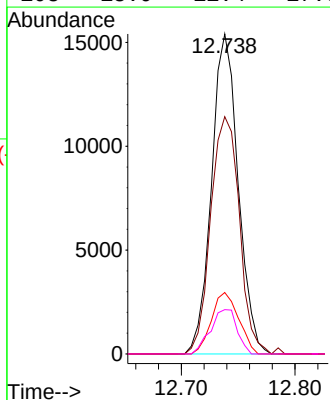
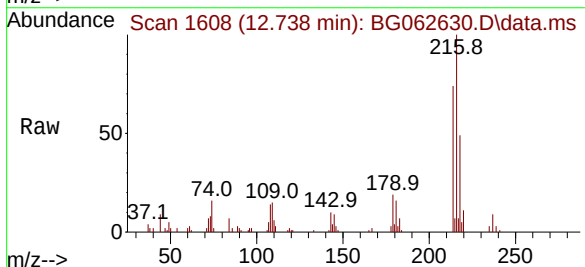
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

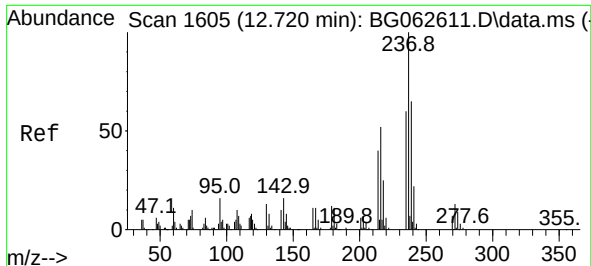
Tgt Ion:164 Resp: 208750
Ion Ratio Lower Upper
164 100
162 102.6 83.1 124.7
160 44.8 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.985 ng
RT: 12.738 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:216 Resp: 25018
Ion Ratio Lower Upper
216 100
214 80.3 61.6 92.4
179 19.6 15.9 23.9
108 13.9 11.4 17.0

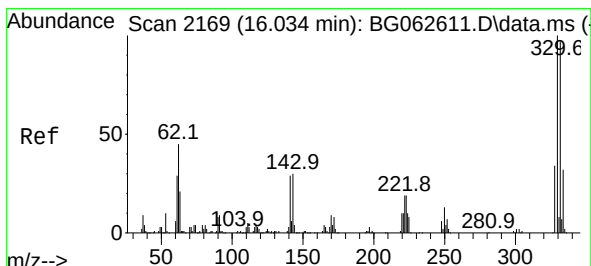
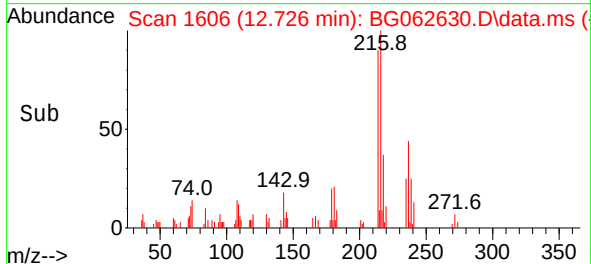
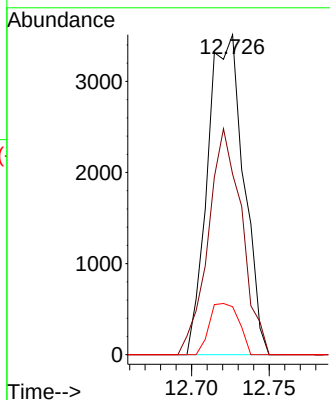
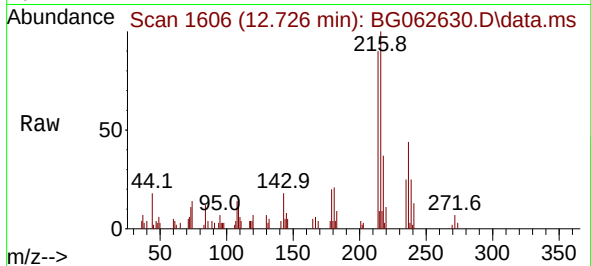




#41
Hexachlorocyclopentadiene
Concen: 3.157 ng
RT: 12.726 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

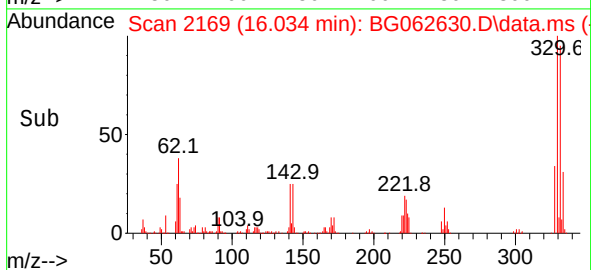
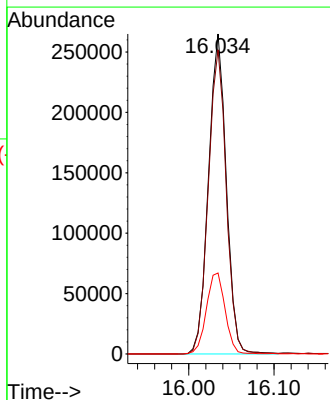
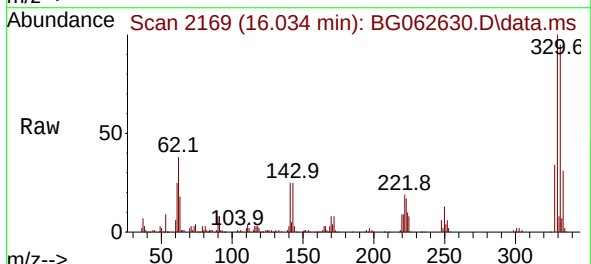
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

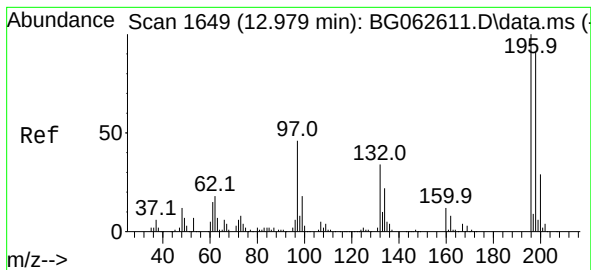
Tgt Ion	Ratio	Lower	Upper
237	100		
235	56.4	40.4	80.4
272	15.0	0.0	32.7



#42
2,4,6-Tribromophenol
Concen: 131.104 ng
RT: 16.034 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.2	115.8
141	26.6	22.2	33.4





#43

2,4,6-Trichlorophenol

Concen: 3.822 ng

RT: 12.979 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

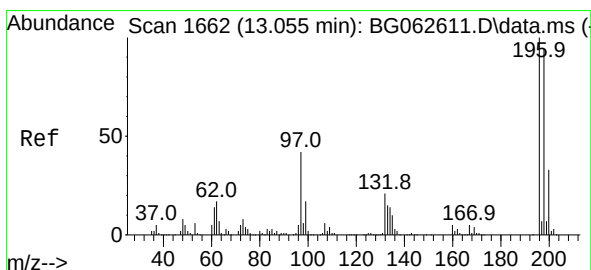
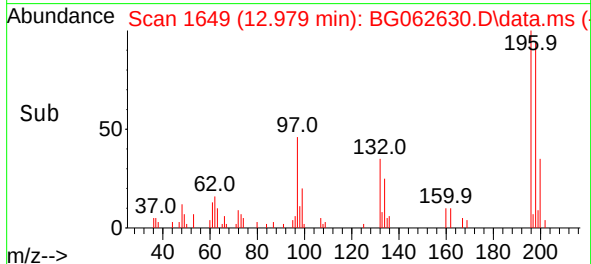
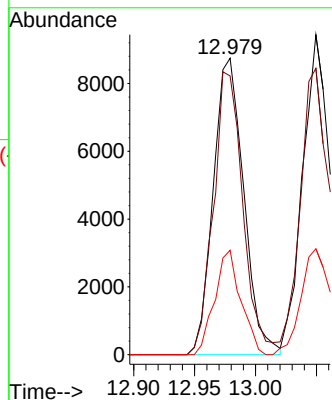
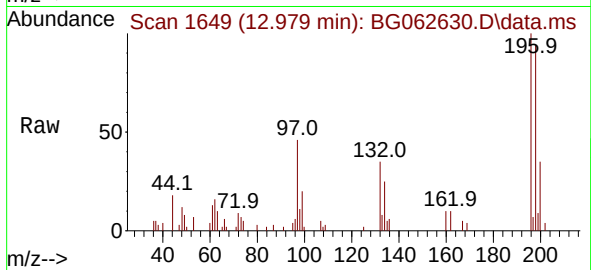
Tgt Ion:196 Resp: 15210

Ion Ratio Lower Upper

196 100

198 94.0 72.8 109.2

200 35.2 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 3.393 ng

RT: 13.050 min Scan# 1661

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Tgt Ion:196 Resp: 15294

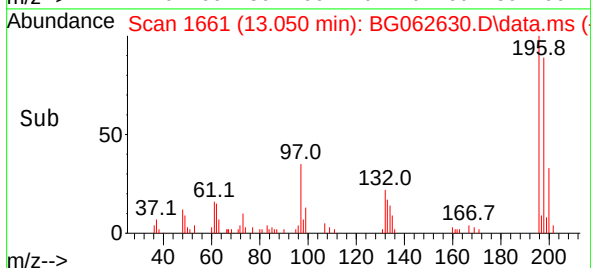
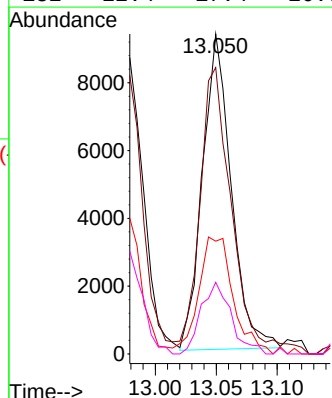
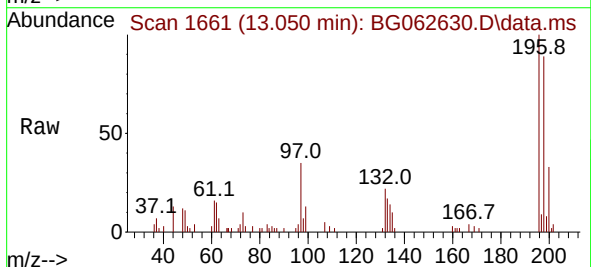
Ion Ratio Lower Upper

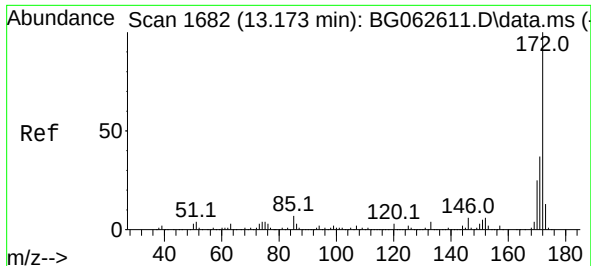
196 100

198 89.5 75.5 113.3

97 35.2 34.1 51.1

132 22.4 17.4 26.0





#45

2-Fluorobiphenyl

Concen: 84.237 ng

RT: 13.173 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

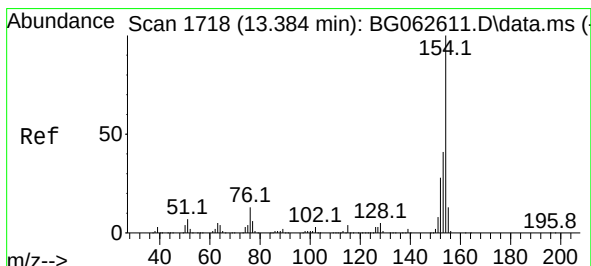
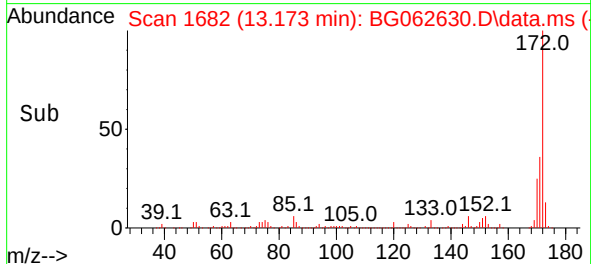
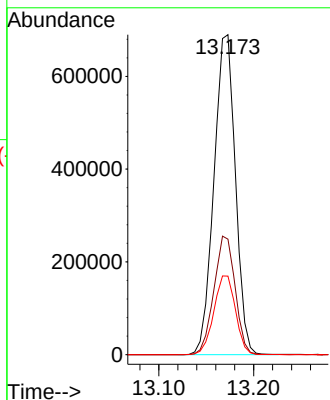
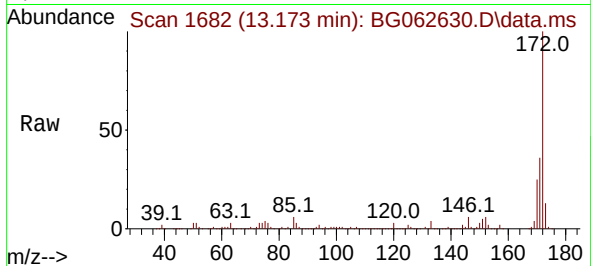
Tgt Ion:172 Resp: 1085609

Ion Ratio Lower Upper

172 100

171 36.1 29.7 44.5

170 24.6 20.0 30.0



#46

1,1'-Biphenyl

Concen: 4.303 ng

RT: 13.379 min Scan# 1717

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

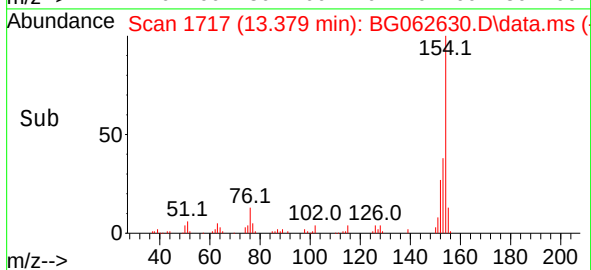
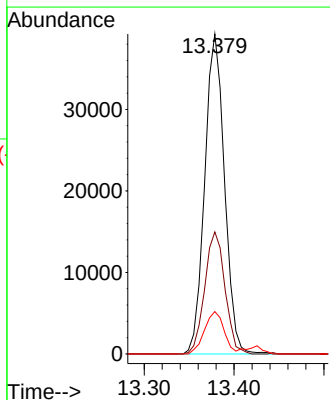
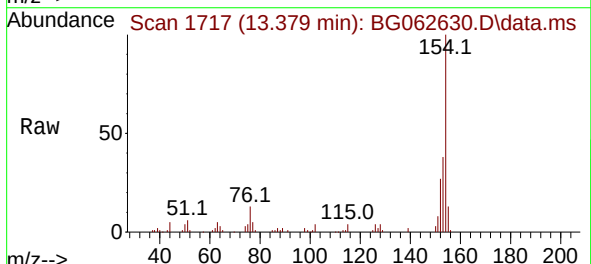
Tgt Ion:154 Resp: 59931

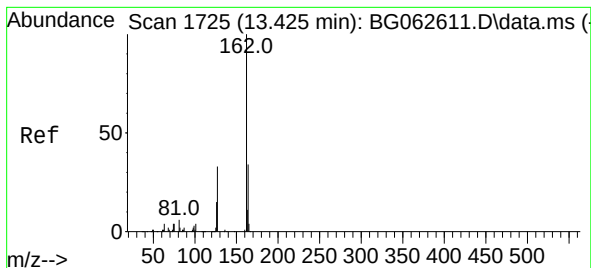
Ion Ratio Lower Upper

154 100

153 38.2 20.8 60.8

76 13.3 0.0 33.4





#47

2-Chloronaphthalene

Concen: 3.875 ng

RT: 13.420 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

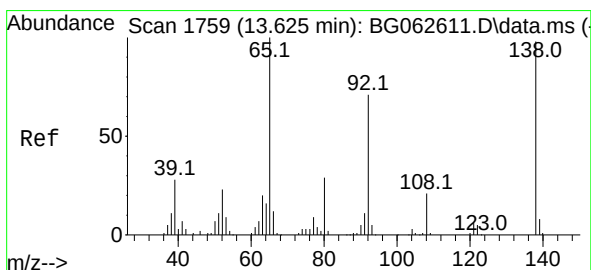
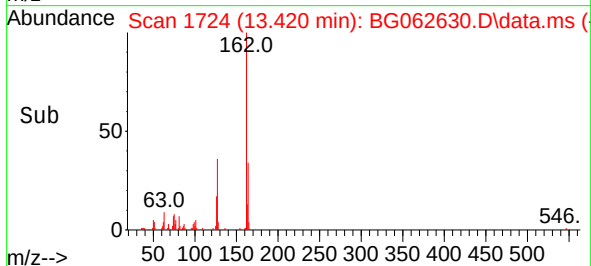
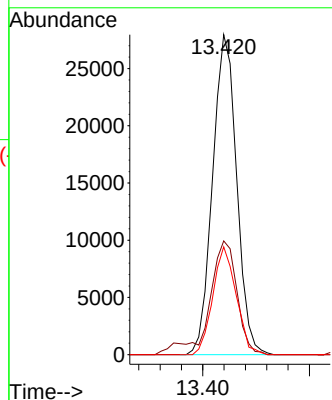
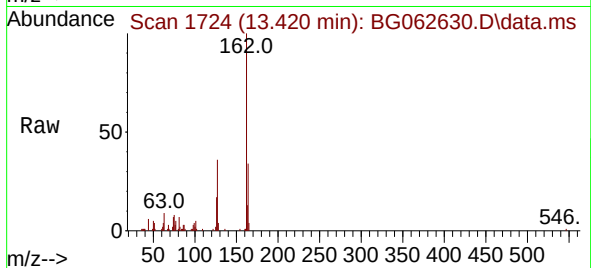
Tgt Ion:162 Resp: 43734

Ion Ratio Lower Upper

162 100

127 35.6 28.7 43.1

164 33.7 26.9 40.3



#48

2-Nitroaniline

Concen: 3.554 ng

RT: 13.619 min Scan# 1758

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

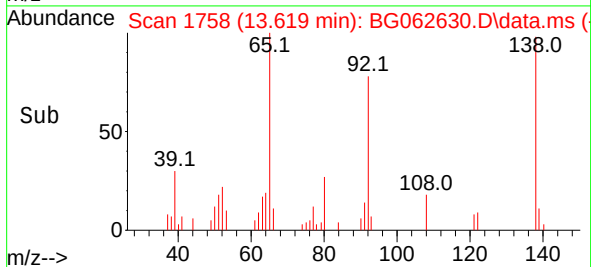
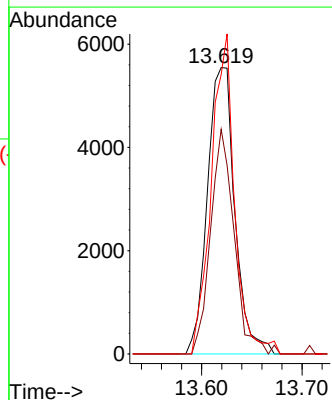
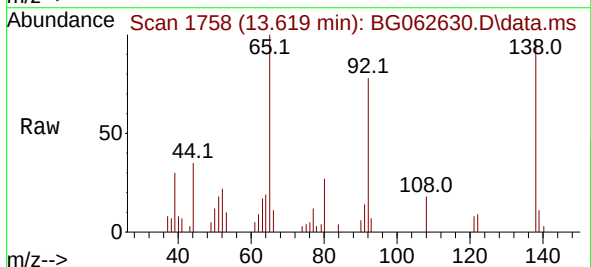
Tgt Ion: 65 Resp: 10550

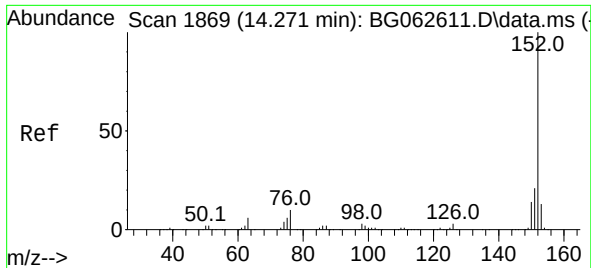
Ion Ratio Lower Upper

65 100

92 78.4 56.6 84.8

138 97.5 78.7 118.1

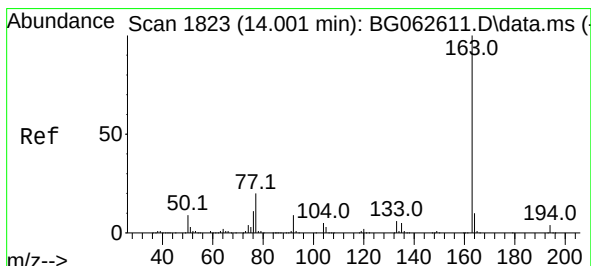
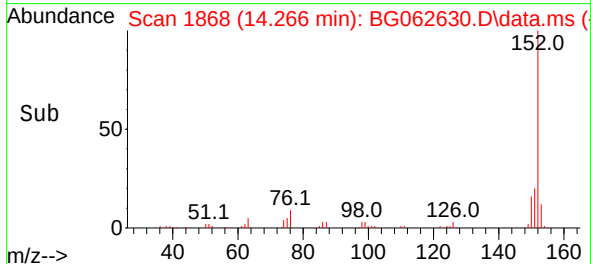
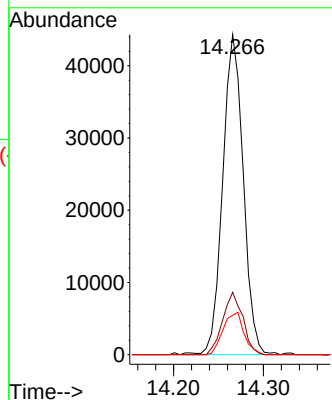
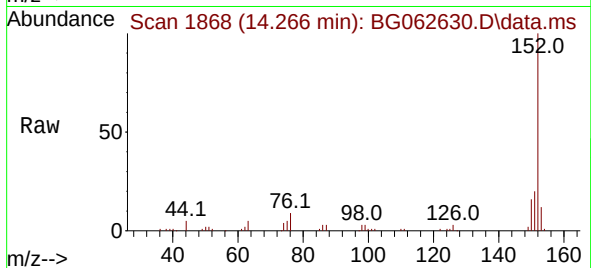




#49
Acenaphthylene
Concen: 4.213 ng
RT: 14.266 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

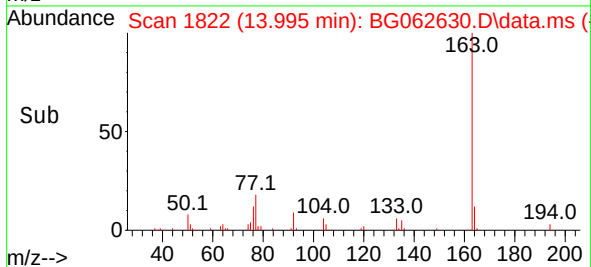
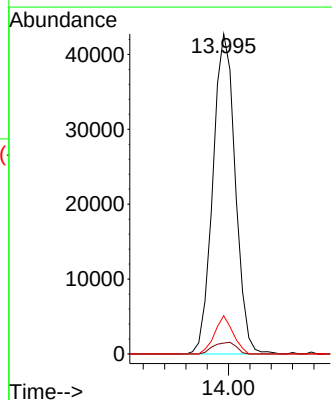
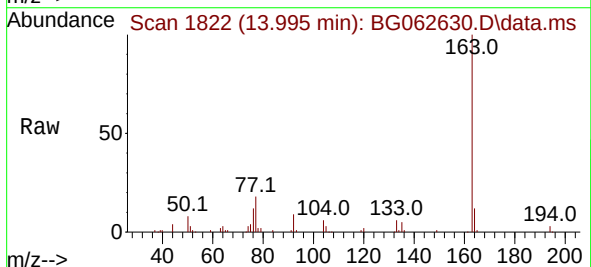
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

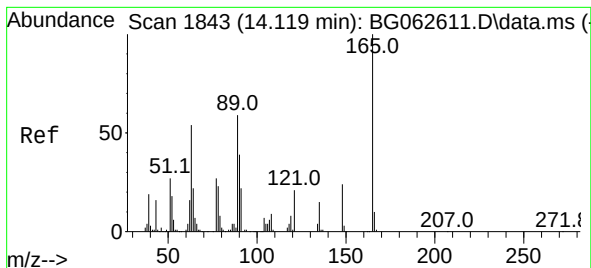
Tgt Ion:152 Resp: 70423
Ion Ratio Lower Upper
152 100
151 19.5 16.6 24.8
153 12.3 10.2 15.4



#50
Dimethylphthalate
Concen: 4.084 ng
RT: 13.995 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:163 Resp: 62337
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 12.0 8.3 12.5

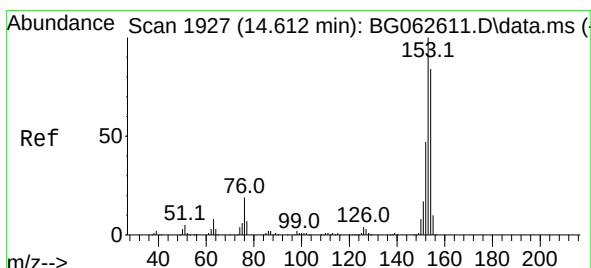
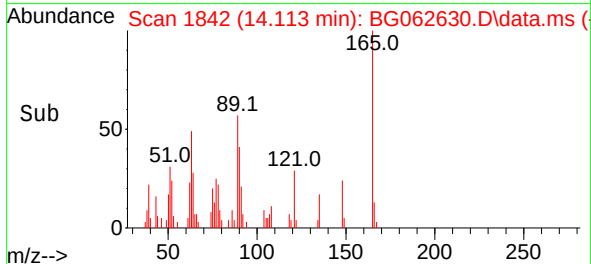
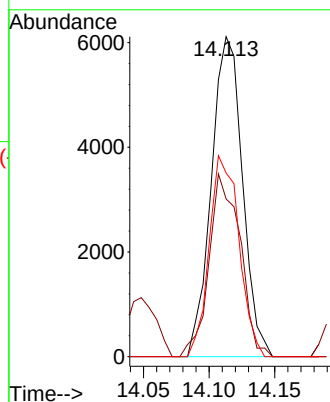
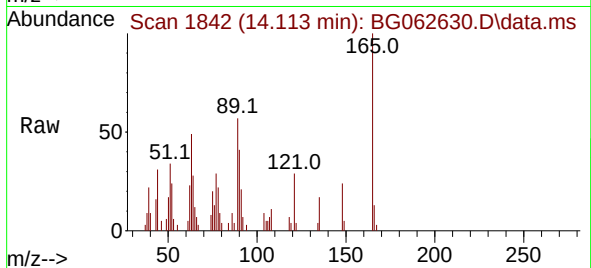




#51
2,6-Dinitrotoluene
Concen: 3.487 ng
RT: 14.113 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

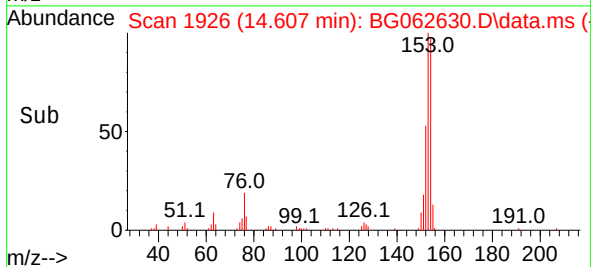
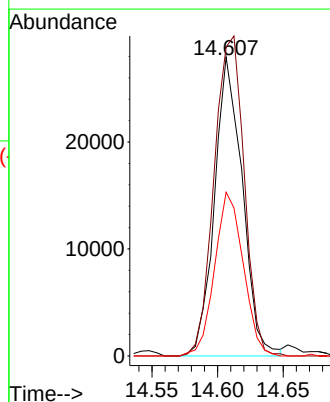
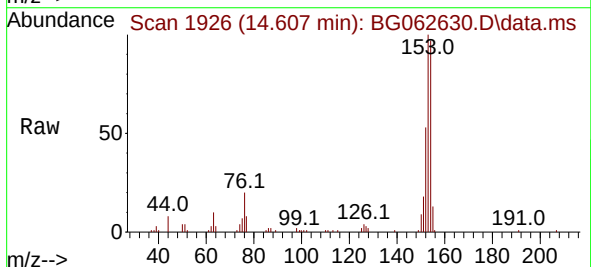
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

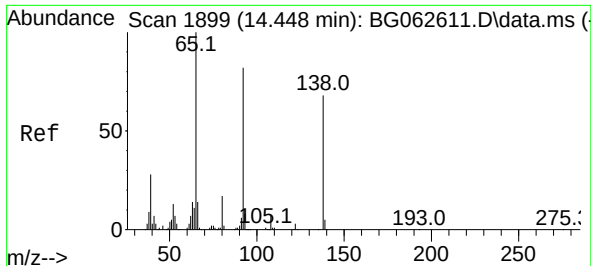
Tgt Ion:165 Resp: 10068
Ion Ratio Lower Upper
165 100
63 49.3 46.6 69.8
89 57.4 47.2 70.8



#52
Acenaphthene
Concen: 3.941 ng
RT: 14.607 min Scan# 1926
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

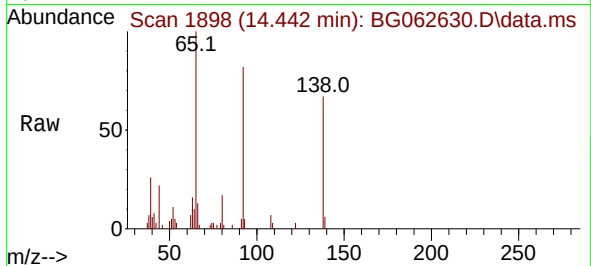
Tgt Ion:154 Resp: 41181
Ion Ratio Lower Upper
154 100
153 103.3 95.0 142.4
152 54.7 45.0 67.6



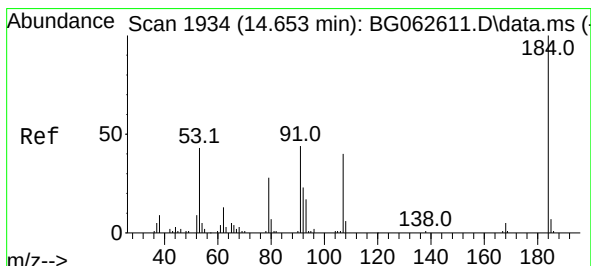
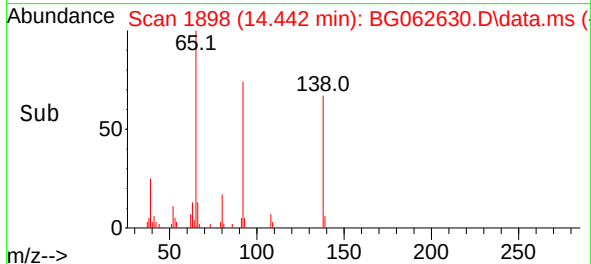
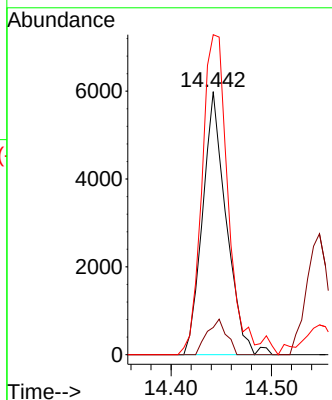


#53
3-Nitroaniline
Concen: 3.517 ng
RT: 14.442 min Scan# 1899
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

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

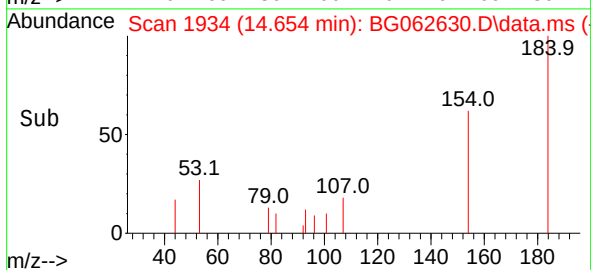
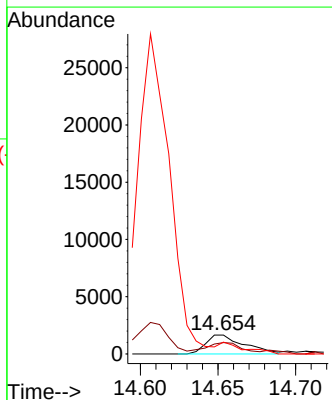
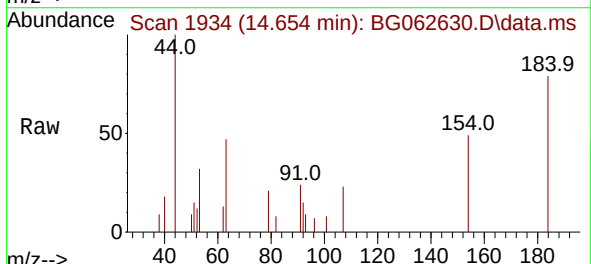


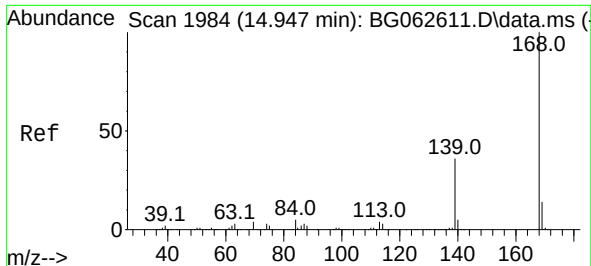
Tgt Ion:138 Resp: 9826
Ion Ratio Lower Upper
138 100
108 10.4 8.6 13.0
92 121.6 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 1.756 ng
RT: 14.654 min Scan# 1934
Delta R.T. 0.001 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:184 Resp: 2845
Ion Ratio Lower Upper
184 100
63 60.0 49.0 73.4
154 62.5 50.5 75.7





#55

Dibenzenofuran

Concen: 4.171 ng

RT: 14.941 min Scan# 1984

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

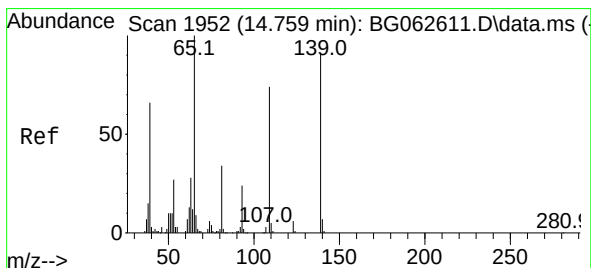
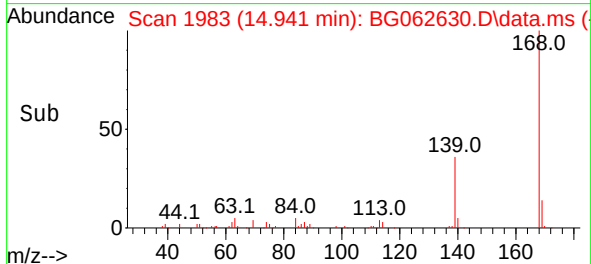
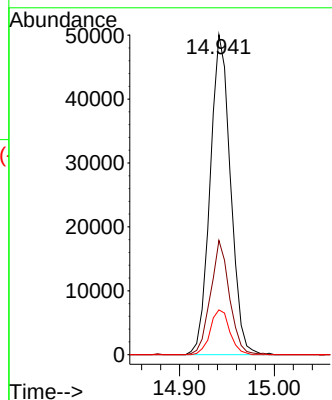
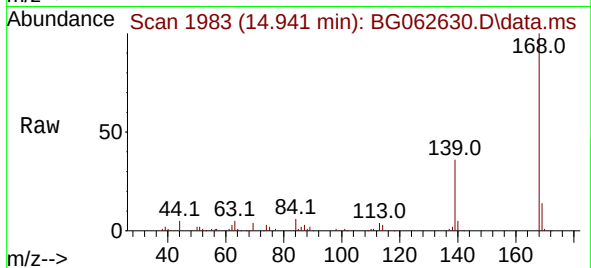
Tgt Ion:168 Resp: 74739

Ion Ratio Lower Upper

168 100

139 35.7 28.6 42.8

169 14.0 11.0 16.6



#56

4-Nitrophenol

Concen: 3.324 ng

RT: 14.759 min Scan# 1952

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

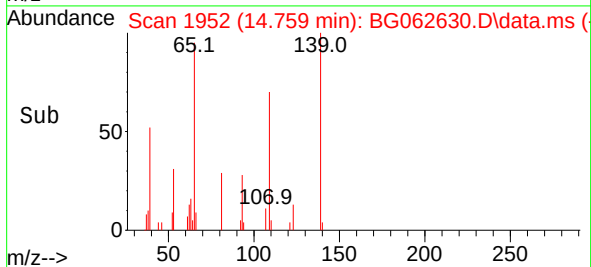
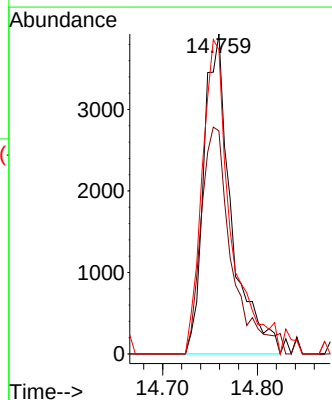
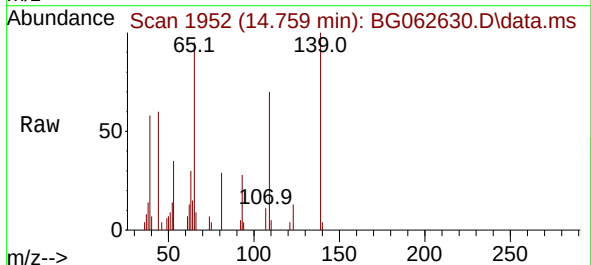
Tgt Ion:139 Resp: 7869

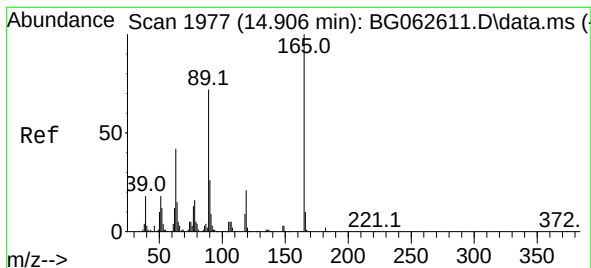
Ion Ratio Lower Upper

139 100

109 69.7 61.2 101.2

65 95.1 90.2 130.2

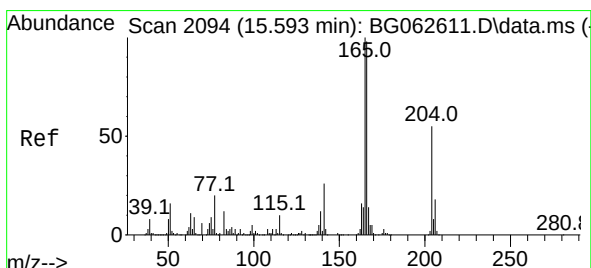
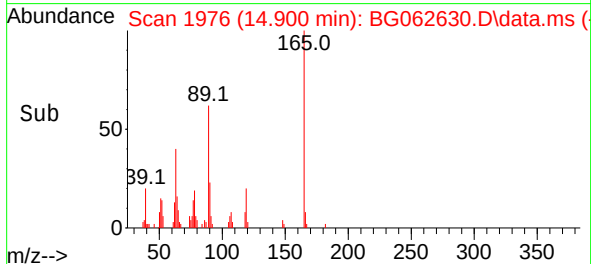
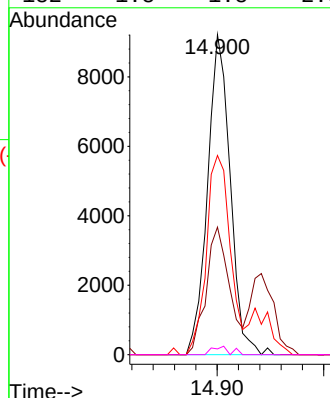
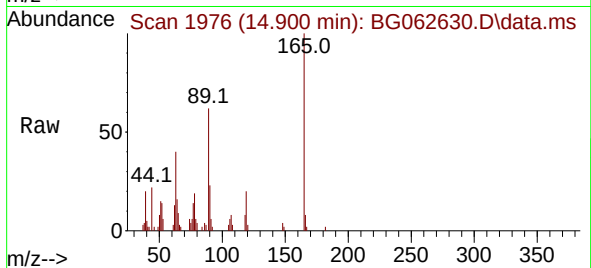




#57
2,4-Dinitrotoluene
Concen: 3.456 ng
RT: 14.900 min Scan# 1977
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

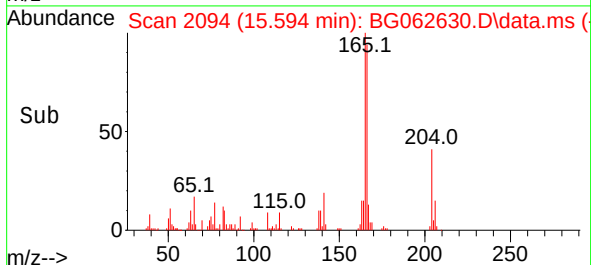
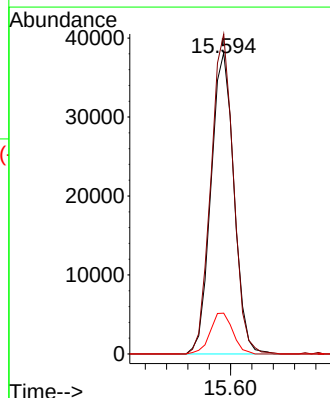
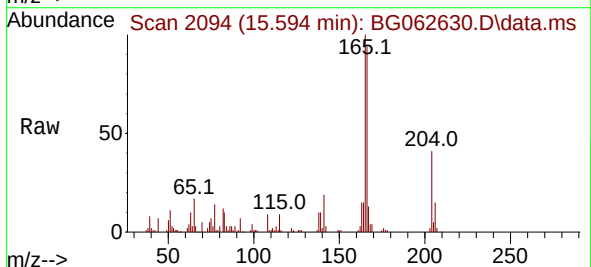
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

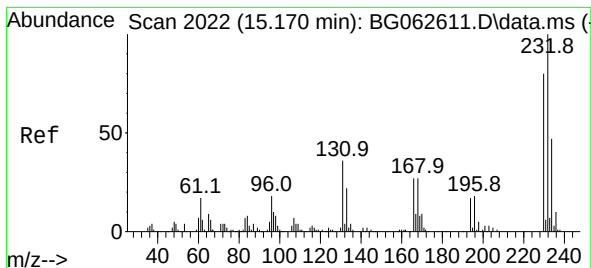
Tgt Ion	165	Resp:	13613
	Ratio	Lower	Upper
165	100		
63	39.8	33.8	50.6
89	62.2	57.9	86.9
182	1.8	1.8	2.8#



#58
Fluorene
Concen: 4.051 ng
RT: 15.594 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:166	Resp:	56970	
Ion	Ratio	Lower	Upper
166	100		
165	106.2	82.0	123.0
167	13.5	11.3	16.9

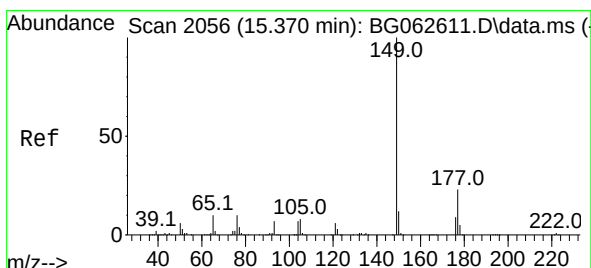
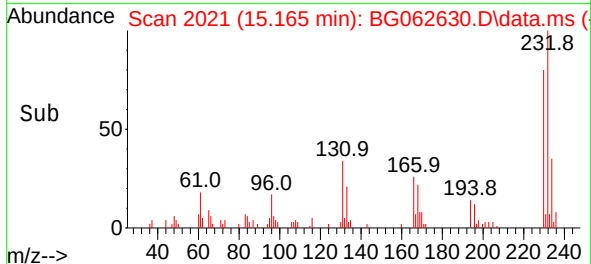
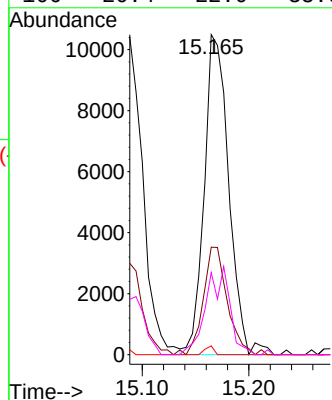
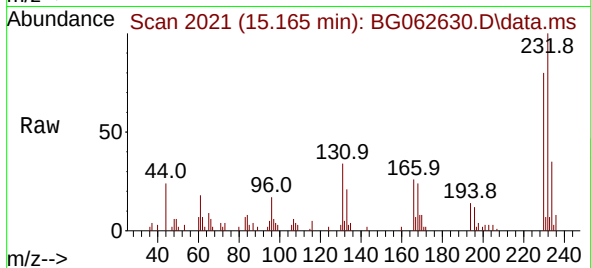




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.936 ng
RT: 15.165 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

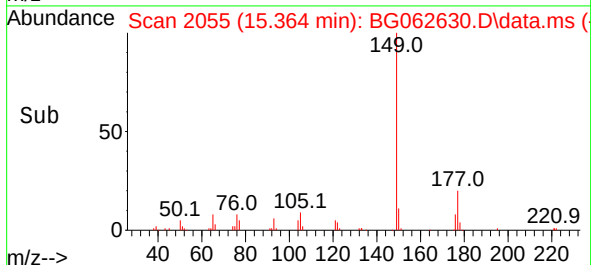
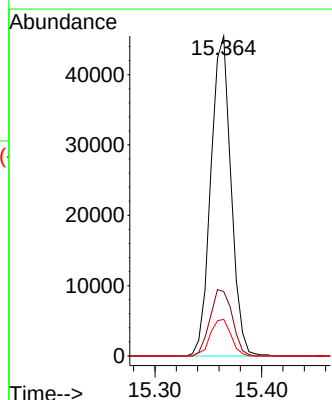
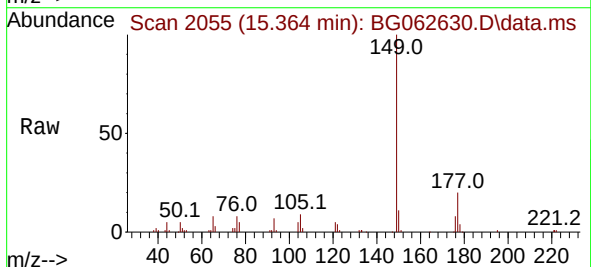
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

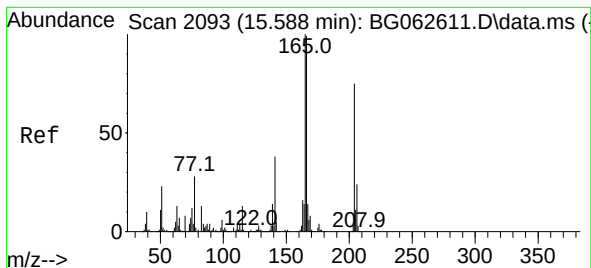
Tgt Ion:232 Resp: 16806
Ion Ratio Lower Upper
232 100
131 33.1 28.3 42.5
130 1.0 1.7 2.5#
166 26.4 22.0 33.0



#60
Diethylphthalate
Concen: 3.948 ng
RT: 15.364 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:149 Resp: 59731
Ion Ratio Lower Upper
149 100
177 20.1 18.0 27.0
150 11.5 9.8 14.8

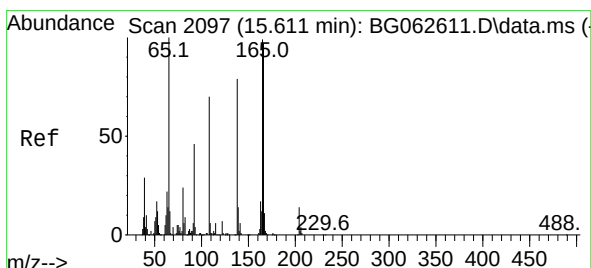
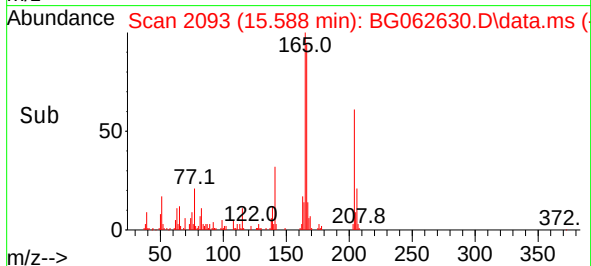
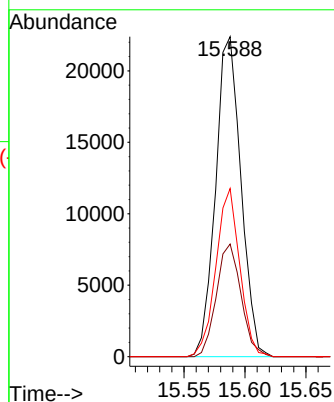
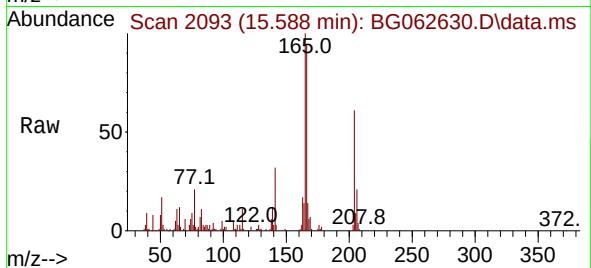




#61
4-Chlorophenyl-phenylether
Concen: 4.020 ng
RT: 15.588 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

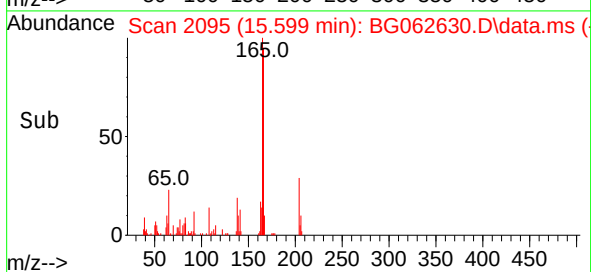
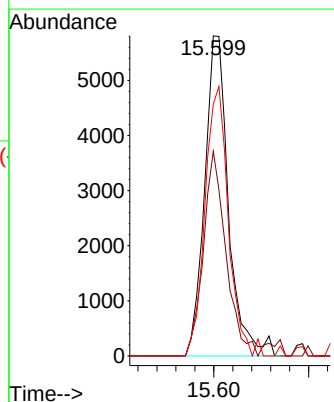
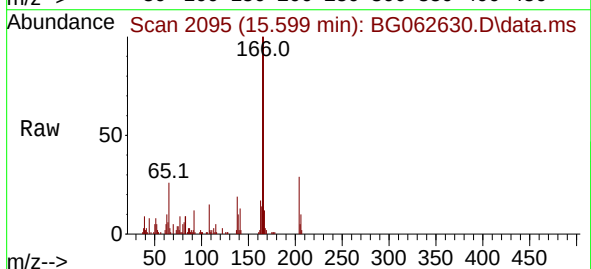
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

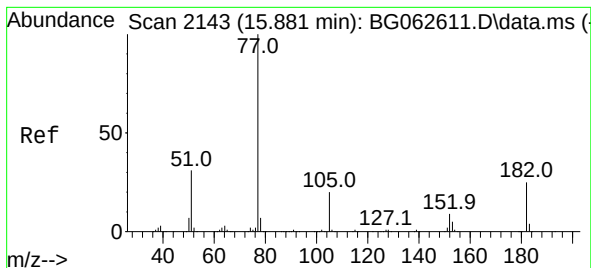
Tgt Ion:204 Resp: 32452
Ion Ratio Lower Upper
204 100
206 35.2 25.9 38.9
141 52.5 41.0 61.6



#62
4-Nitroaniline
Concen: 3.294 ng
RT: 15.599 min Scan# 2095
Delta R.T. -0.012 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:138 Resp: 10146
Ion Ratio Lower Upper
138 100
92 64.0 38.4 78.4
108 78.8 69.0 109.0





#63

Azobenzene

Concen: 3.907 ng

RT: 15.876 min Scan# 2142

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 77 Resp: 55510

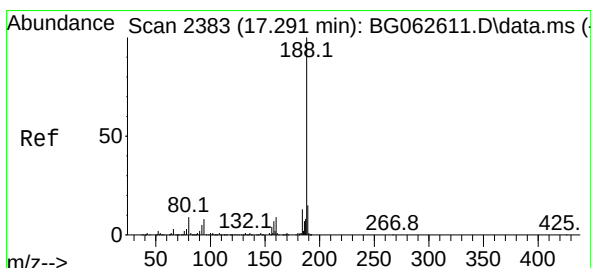
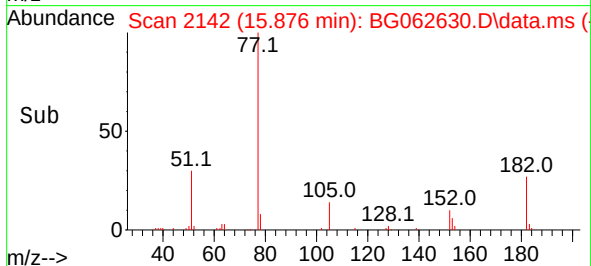
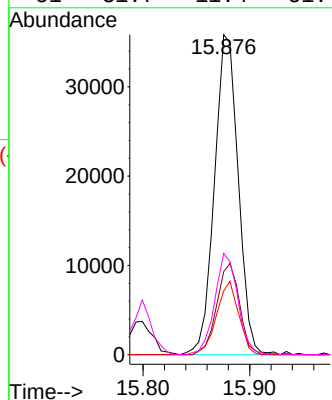
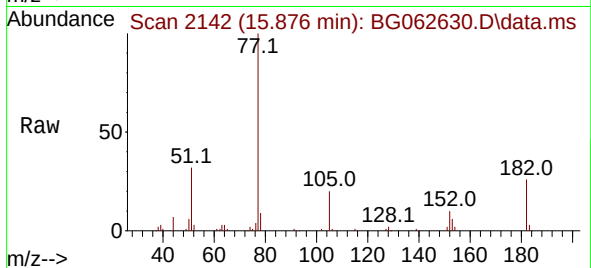
Ion Ratio Lower Upper

77 100

182 26.0 5.0 45.0

105 19.9 0.5 40.5

51 31.7 11.4 51.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2383

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

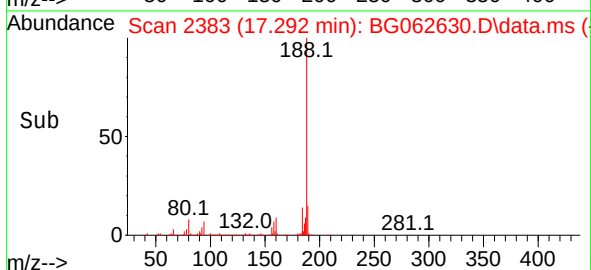
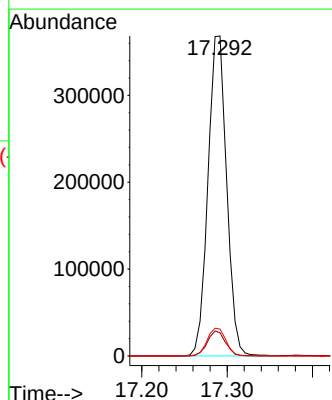
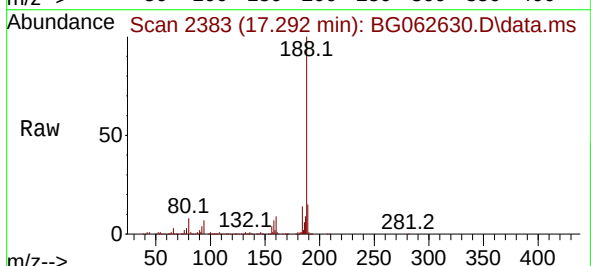
Tgt Ion:188 Resp: 560853

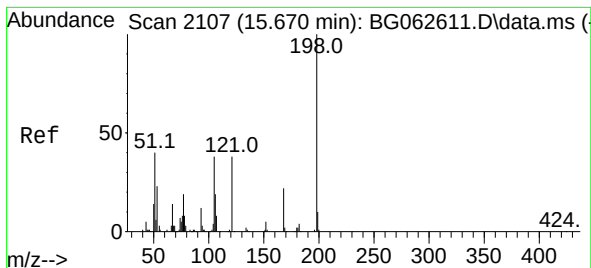
Ion Ratio Lower Upper

188 100

94 7.3 6.3 9.5

80 8.4 7.0 10.4

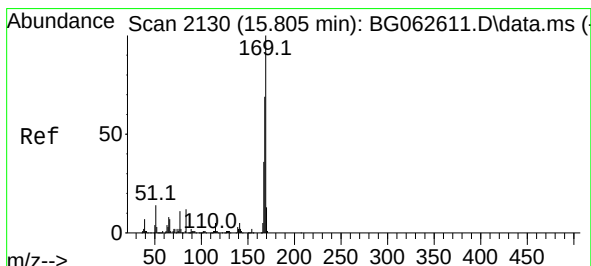
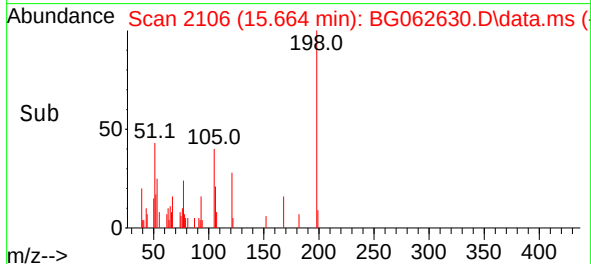
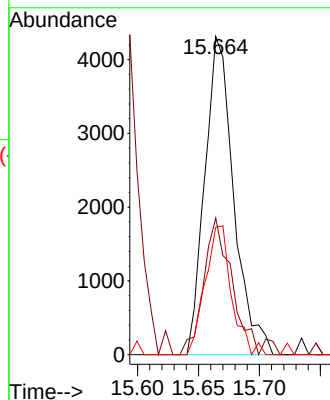
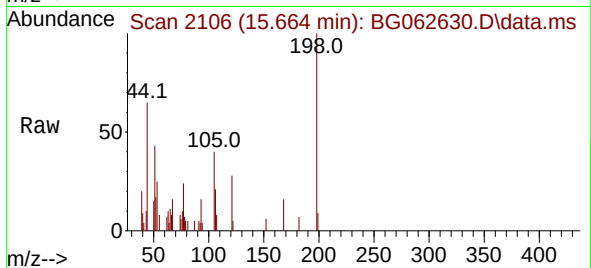




#65
4,6-Dinitro-2-methylphenol
Concen: 2.847 ng
RT: 15.664 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

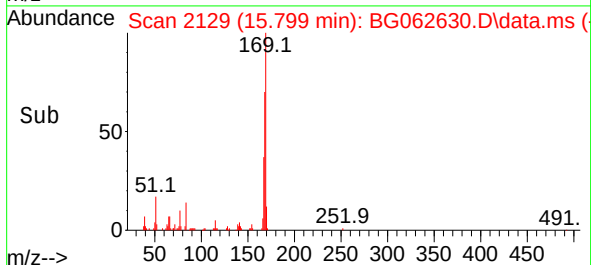
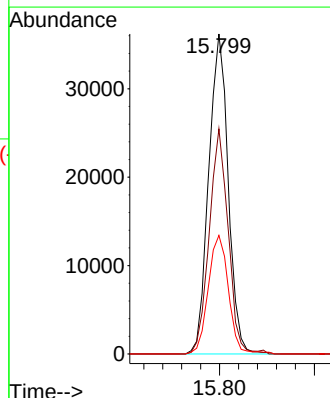
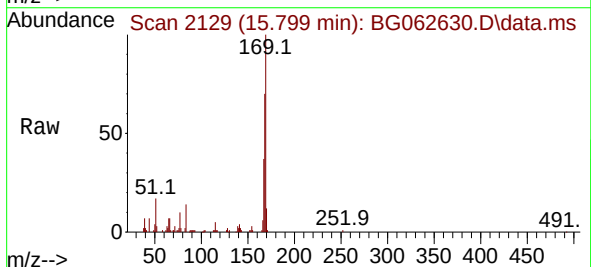
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

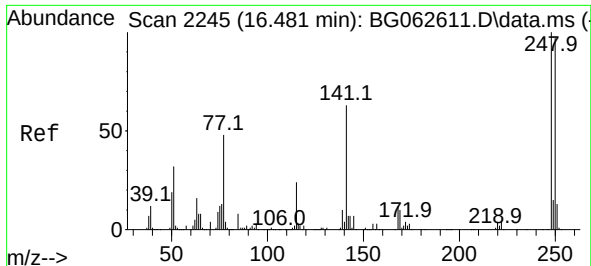
Tgt Ion:198 Resp: 7125
Ion Ratio Lower Upper
198 100
51 42.9 25.1 65.1
105 40.1 18.3 58.3



#66
n-Nitrosodiphenylamine
Concen: 3.821 ng
RT: 15.799 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:169 Resp: 51528
Ion Ratio Lower Upper
169 100
168 70.4 55.4 83.2
167 37.1 29.0 43.6

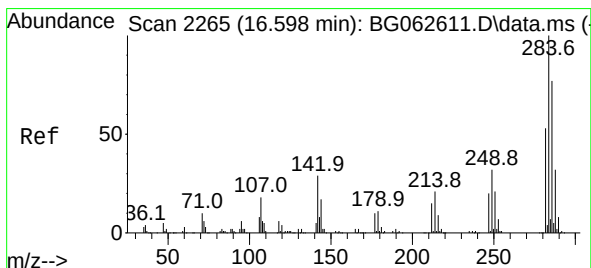
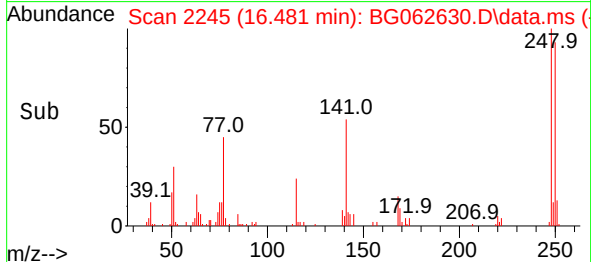
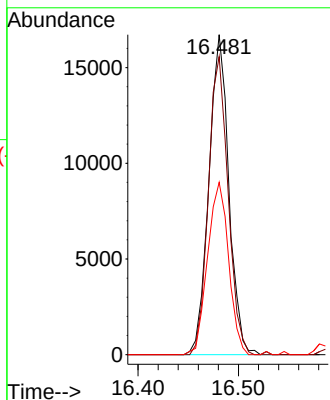
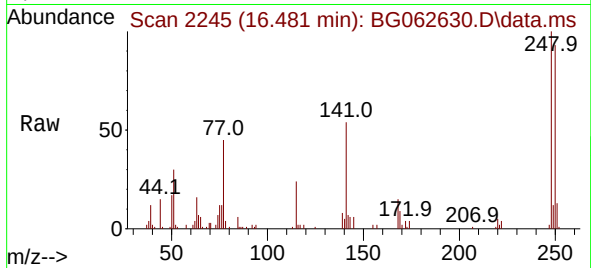




#67
4-Bromophenyl-phenylether
Concen: 3.997 ng
RT: 16.481 min Scan# 2245
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

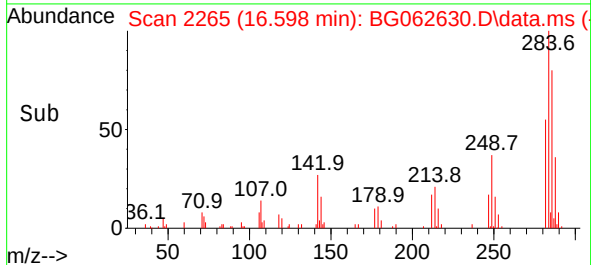
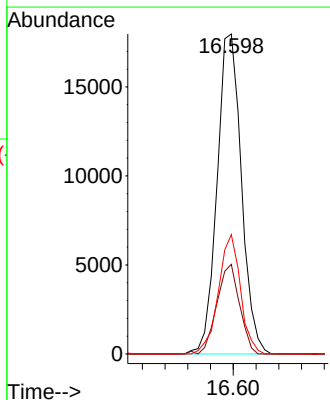
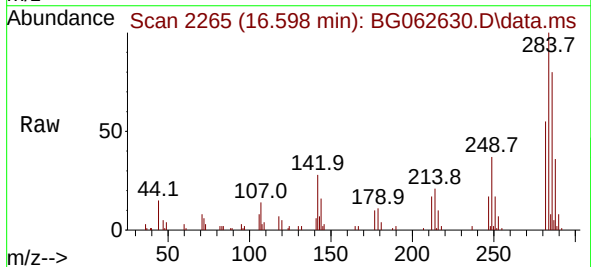
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

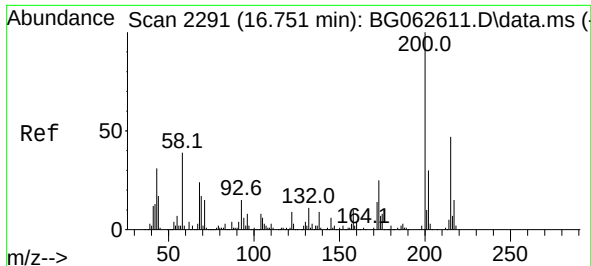
Tgt Ion:248 Resp: 23135
Ion Ratio Lower Upper
248 100
250 93.1 77.9 116.9
141 53.9 50.2 75.2



#68
Hexachlorobenzene
Concen: 3.899 ng
RT: 16.598 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:284 Resp: 26725
Ion Ratio Lower Upper
284 100
142 28.0 23.5 35.3
249 37.3 25.4 38.0





#69

Atrazine

Concen: 4.727 ng

RT: 16.745 min Scan# 21648

Delta R.T. -0.006 min

Lab File: BG062630.D

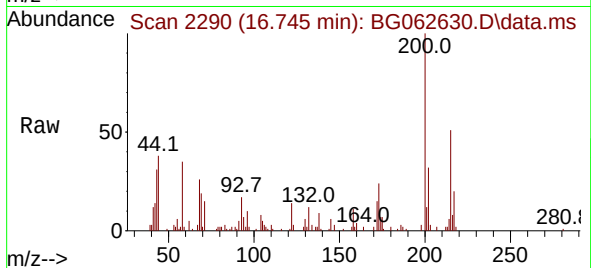
Acq: 3 Sep 2024 17:52

Instrument :

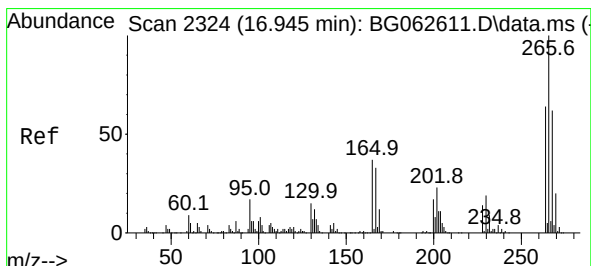
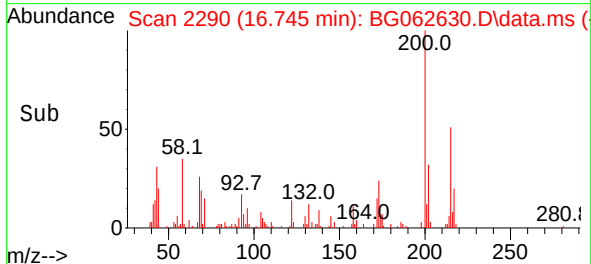
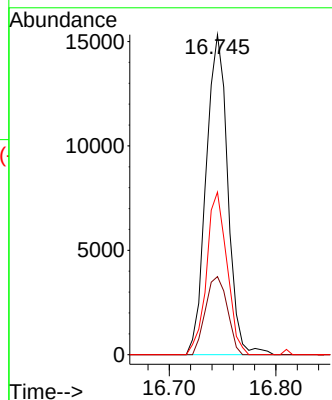
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:200	Resp:	21648
Ion Ratio	Lower	Upper
200	100	
173	24.4	5.2 45.2
215	50.8	27.3 67.3



#70

Pentachlorophenol

Concen: 2.356 ng

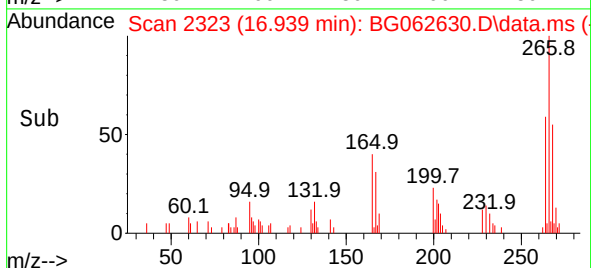
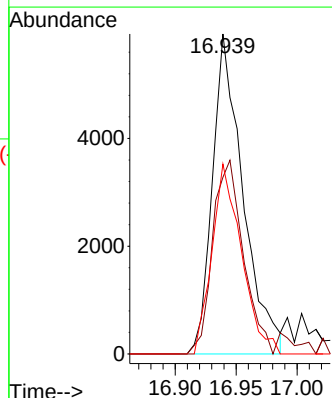
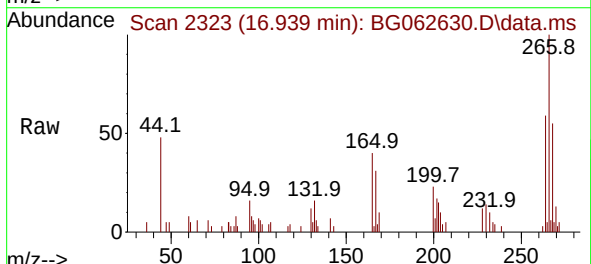
RT: 16.939 min Scan# 2323

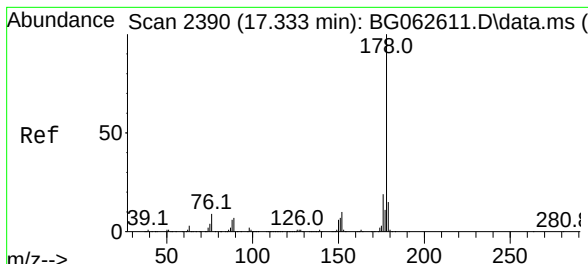
Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Tgt Ion:266	Resp:	10345
Ion Ratio	Lower	Upper
266	100	
268	60.3	52.6 79.0
264	64.7	51.6 77.4



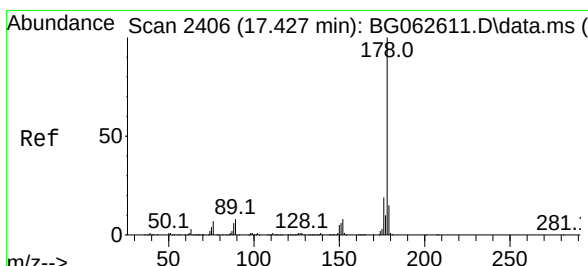
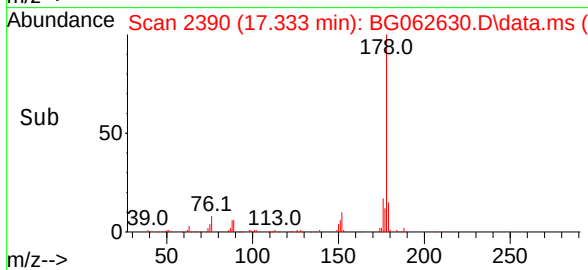
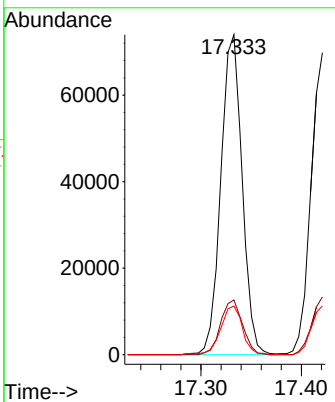
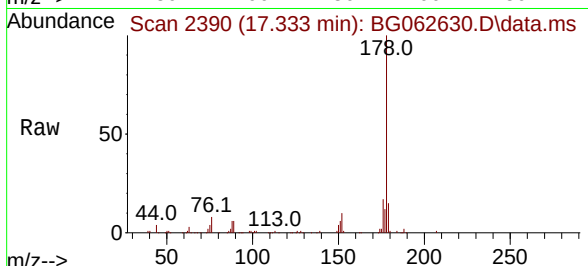


#71
 Phenanthrene
 Concen: 4.163 ng
 RT: 17.333 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: BG062630.D
 Acq: 3 Sep 2024 17:52

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

Tgt Ion:178 Resp: 108973

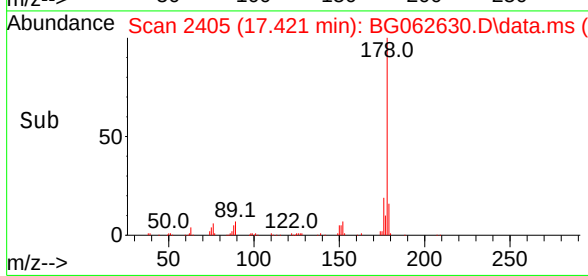
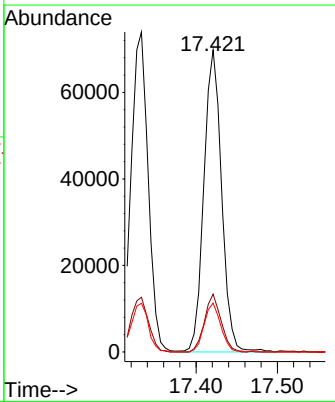
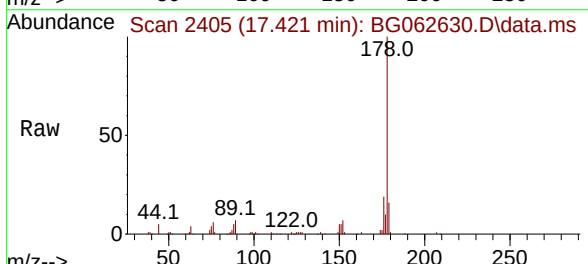
Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.0
179	15.2	12.2	18.4

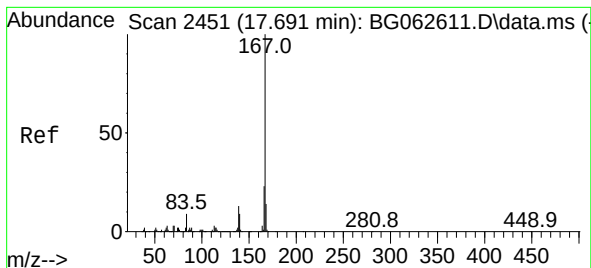


#72
 Anthracene
 Concen: 4.103 ng
 RT: 17.421 min Scan# 2405
 Delta R.T. -0.006 min
 Lab File: BG062630.D
 Acq: 3 Sep 2024 17:52

Tgt Ion:178 Resp: 105611

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	16.2	12.0	18.0





#73

Carbazole

Concen: 3.951 ng

RT: 17.691 min Scan# 2451

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

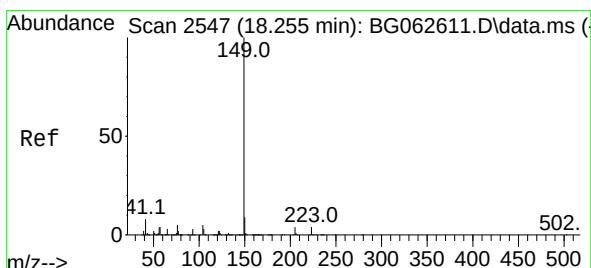
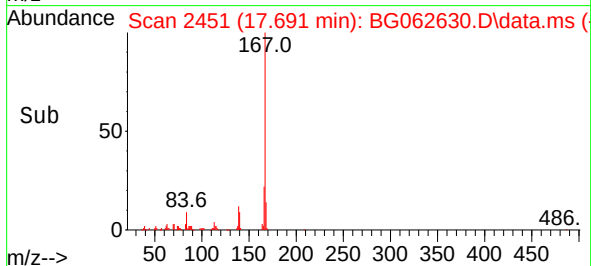
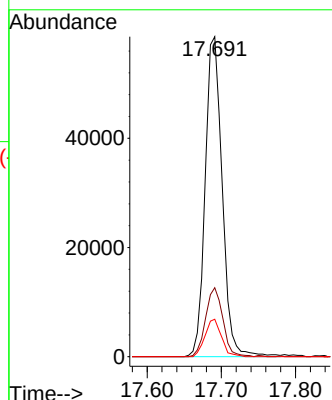
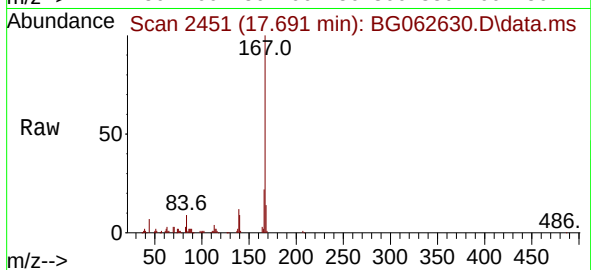
Tgt Ion:167 Resp: 93478

Ion Ratio Lower Upper

167 100

166 21.6 18.2 27.2

139 11.7 10.1 15.1



#74

Di-n-butylphthalate

Concen: 3.714 ng

RT: 18.255 min Scan# 2547

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

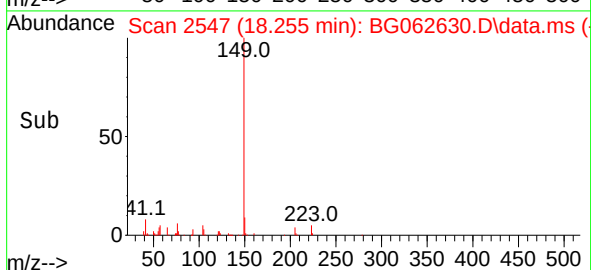
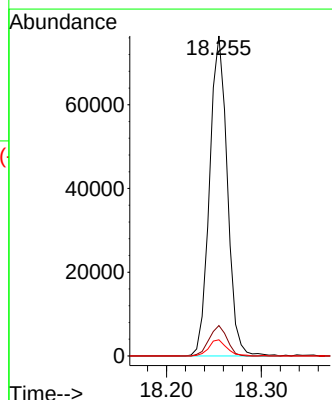
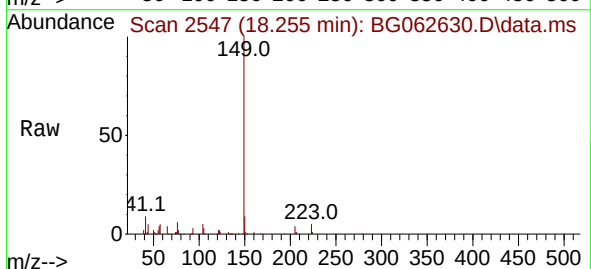
Tgt Ion:149 Resp: 99097

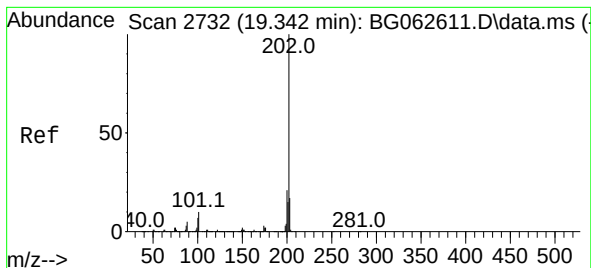
Ion Ratio Lower Upper

149 100

150 9.5 7.3 10.9

104 5.0 4.2 6.2

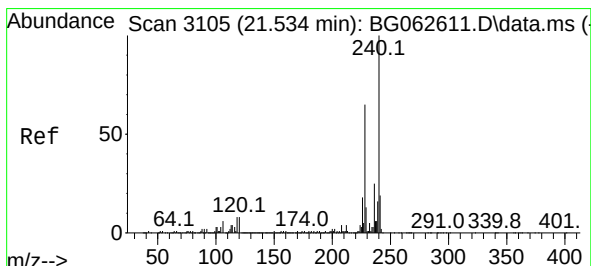
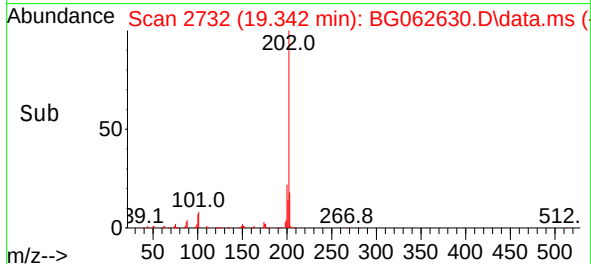
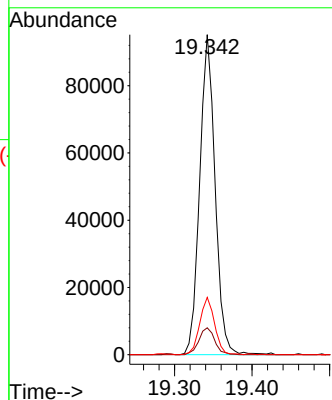
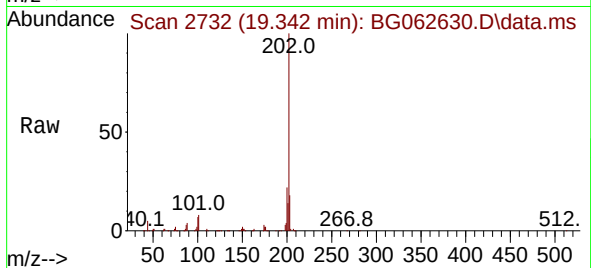




#75
Fluoranthene
Concen: 3.967 ng
RT: 19.342 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

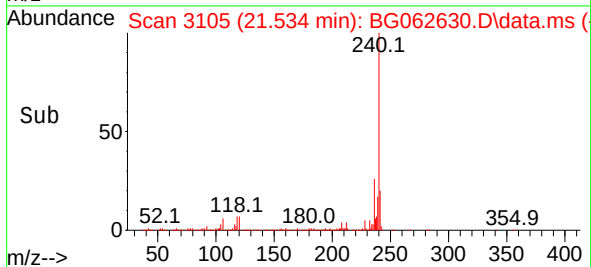
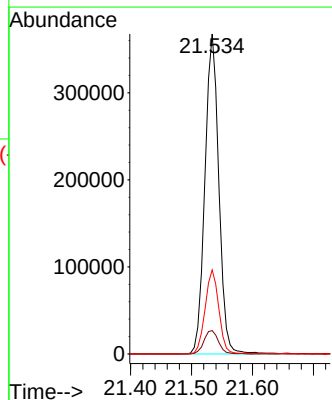
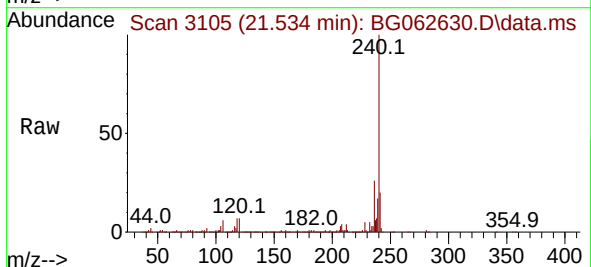
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

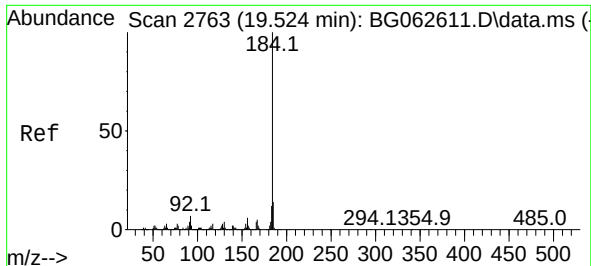
Tgt Ion:202 Resp: 131338
Ion Ratio Lower Upper
202 100
101 8.4 0.0 29.6
203 17.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.534 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:240 Resp: 583905
Ion Ratio Lower Upper
240 100
120 7.3 6.6 9.8
236 26.2 20.2 30.4

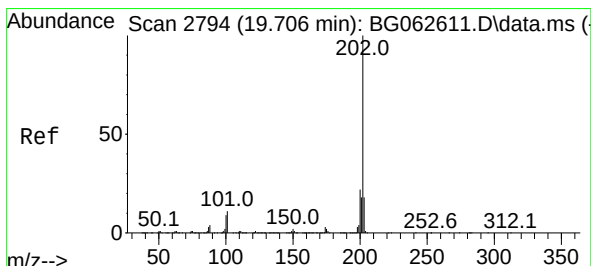
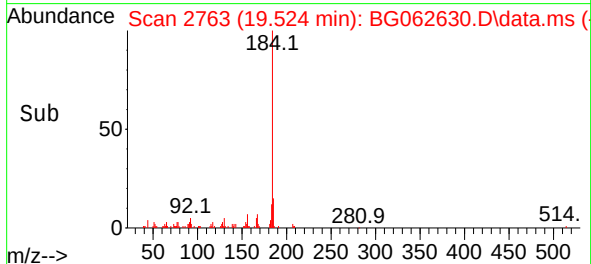
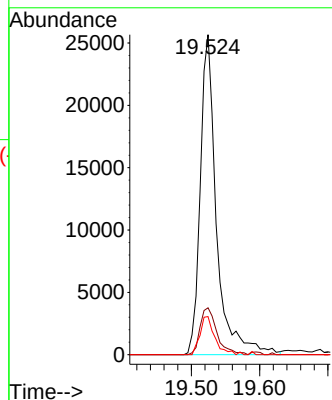
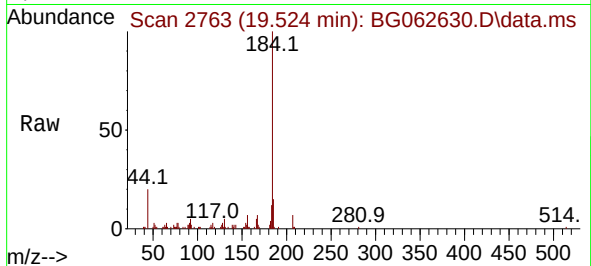




#77
Benzidine
Concen: 4.028 ng
RT: 19.524 min Scan# 2763
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

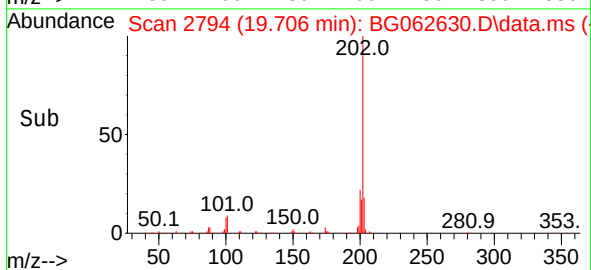
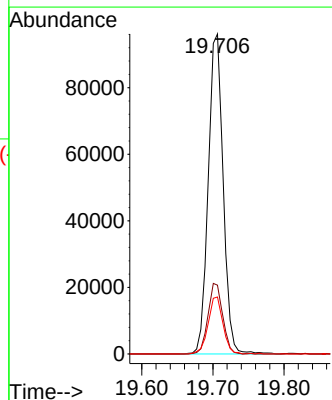
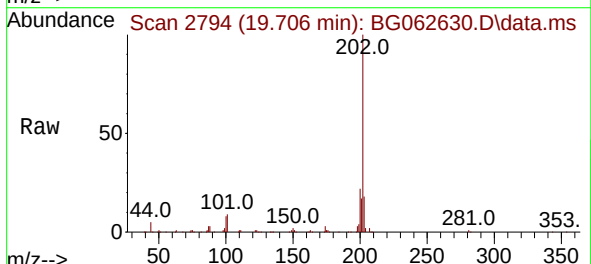
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

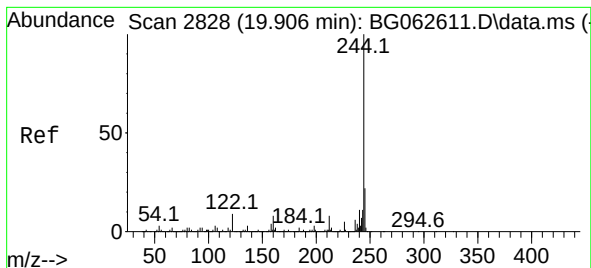
Tgt Ion:184 Resp: 42387
Ion Ratio Lower Upper
184 100
185 14.6 11.0 16.6
183 11.9 9.7 14.5



#78
Pyrene
Concen: 3.782 ng
RT: 19.706 min Scan# 2794
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:202 Resp: 140367
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 74.217 ng

RT: 19.912 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

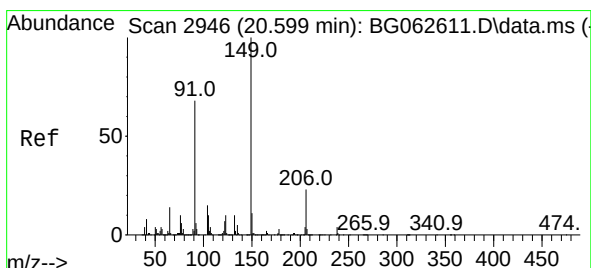
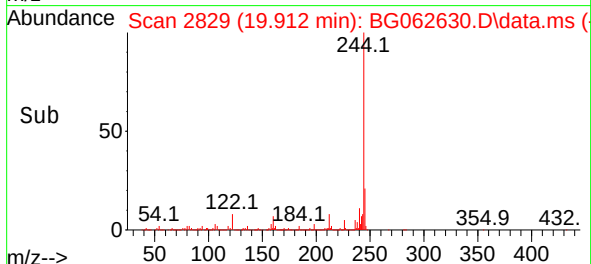
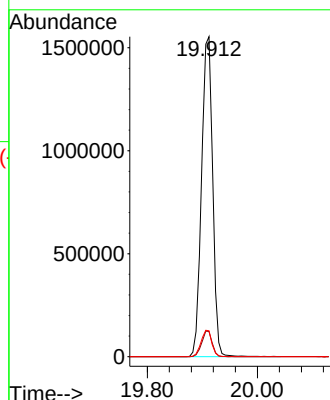
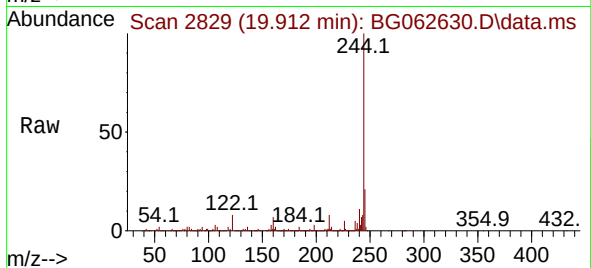
Tgt Ion:244 Resp: 2185542

Ion Ratio Lower Upper

244 100

212 7.8 6.6 10.0

122 8.1 7.2 10.8



#80

Butylbenzylphthalate

Concen: 3.449 ng

RT: 20.600 min Scan# 2946

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

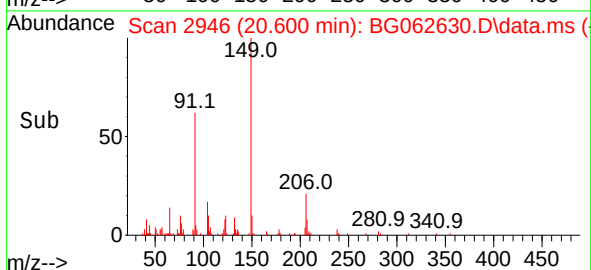
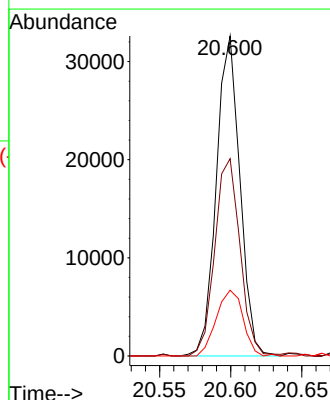
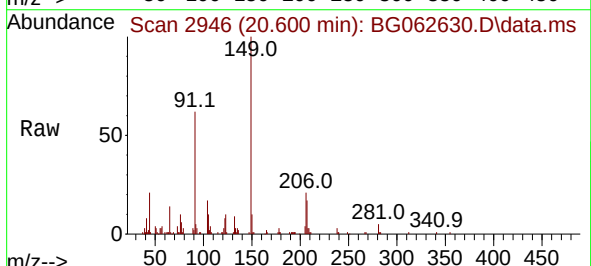
Tgt Ion:149 Resp: 37598

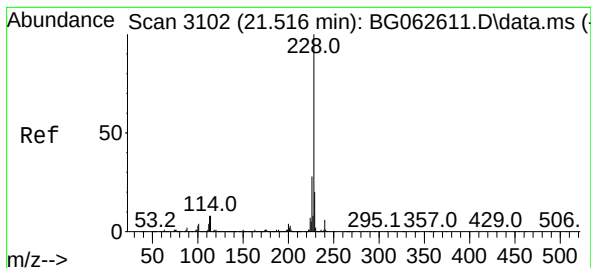
Ion Ratio Lower Upper

149 100

91 61.6 54.6 81.8

206 20.6 18.4 27.6





#81

Benzo(a)anthracene

Concen: 4.016 ng

RT: 21.516 min Scan# 3102

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

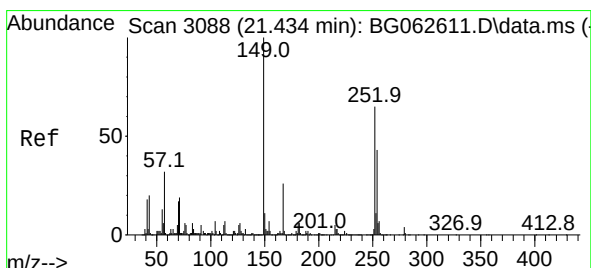
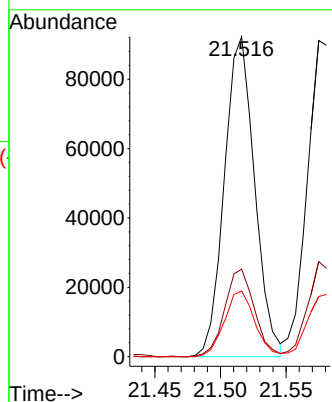
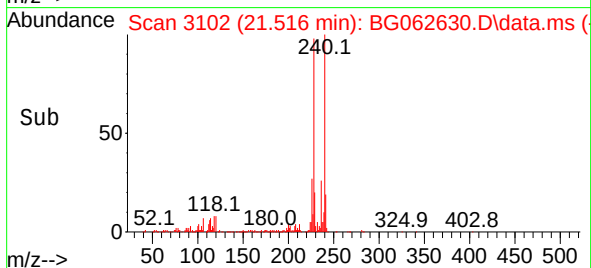
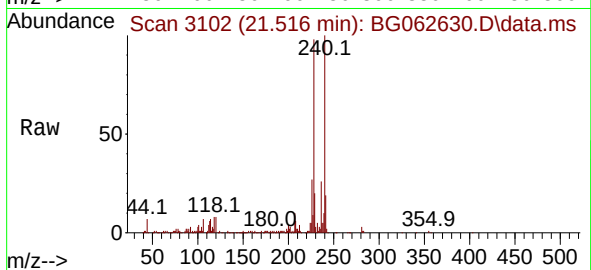
Tgt Ion:228 Resp: 147901

Ion Ratio Lower Upper

228 100

226 27.4 22.3 33.5

229 20.5 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 3.943 ng

RT: 21.434 min Scan# 3088

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

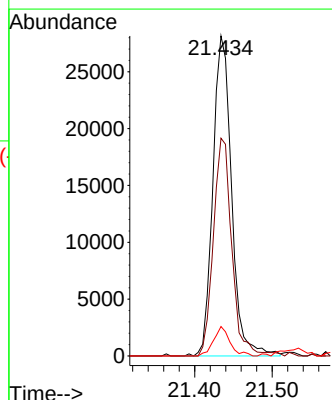
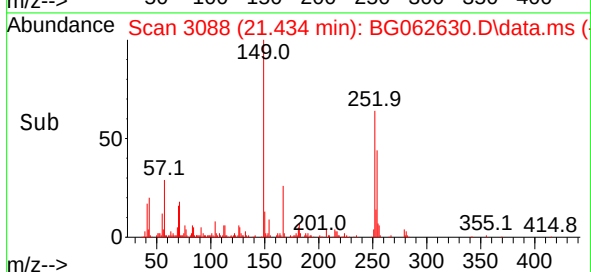
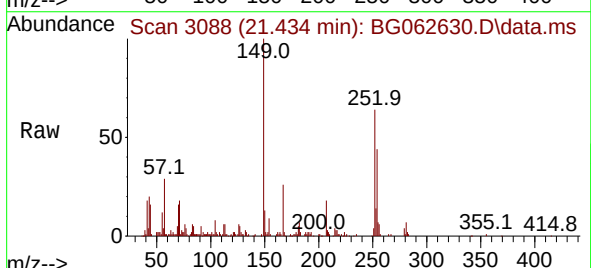
Tgt Ion:252 Resp: 47311

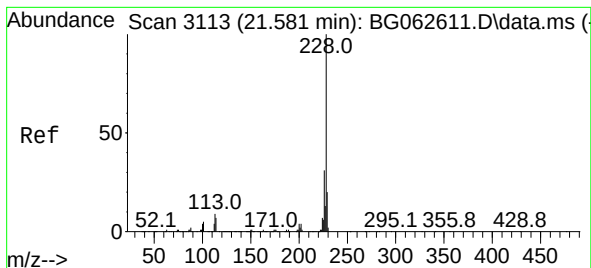
Ion Ratio Lower Upper

252 100

254 68.0 52.2 78.2

126 9.2 6.7 10.1





#83

Chrysene

Concen: 4.070 ng

RT: 21.575 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

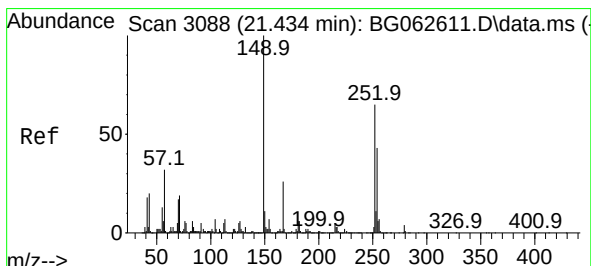
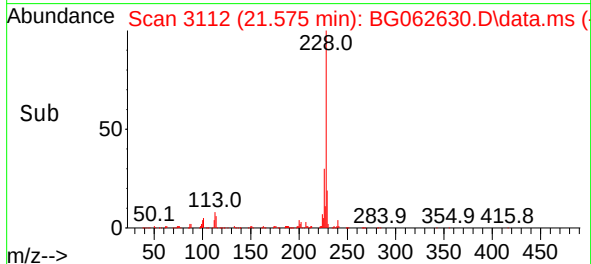
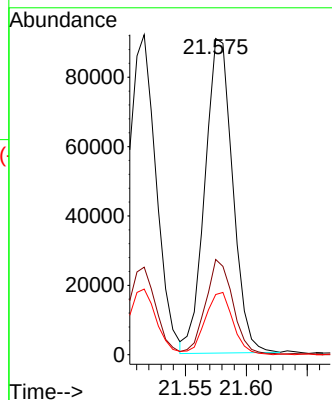
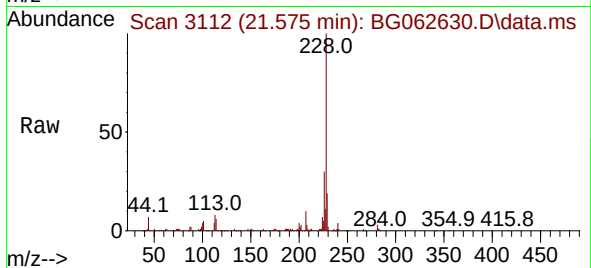
Tgt Ion:228 Resp: 143563

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

229 19.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.554 ng

RT: 21.434 min Scan# 3088

Delta R.T. 0.000 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

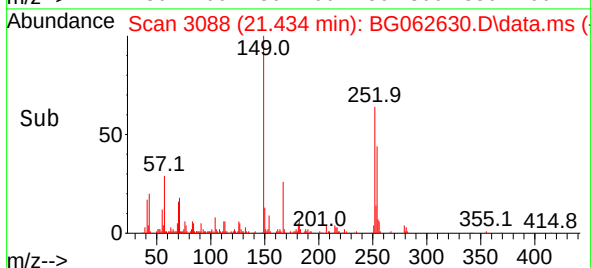
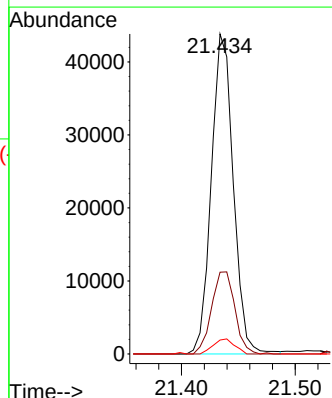
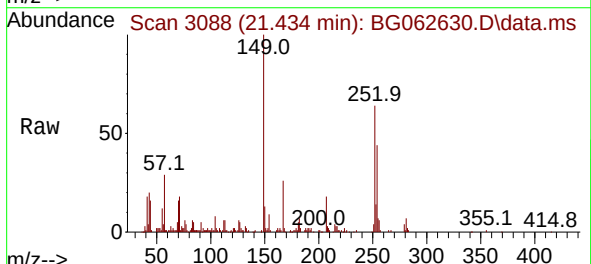
Tgt Ion:149 Resp: 58857

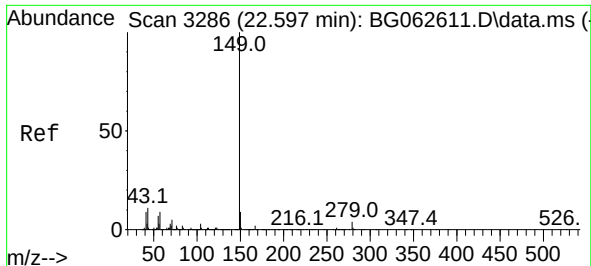
Ion Ratio Lower Upper

149 100

167 25.6 20.5 30.7

279 4.3 3.1 4.7

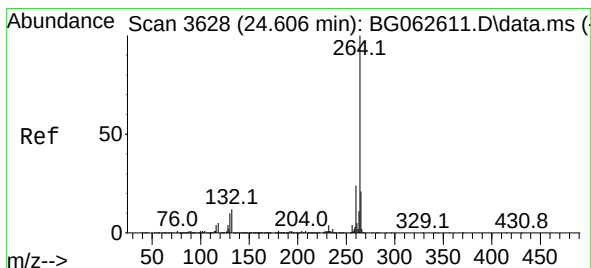
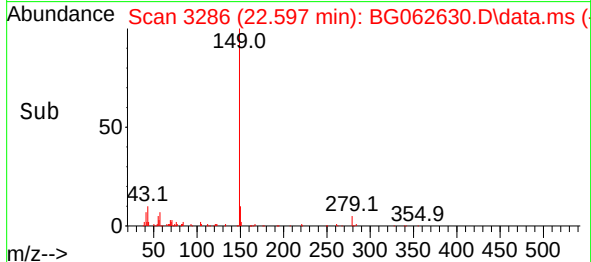
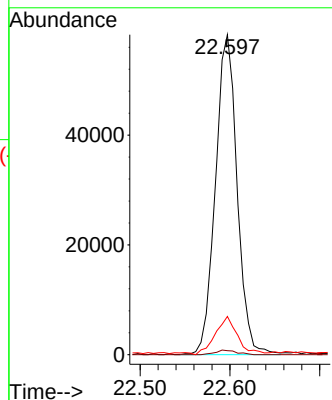
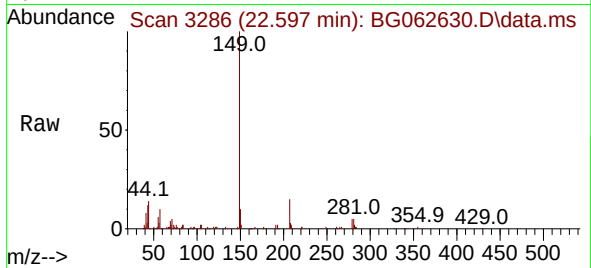




#85
Di-n-octyl phthalate
Concen: 3.370 ng
RT: 22.597 min Scan# 3286
Delta R.T. 0.000 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

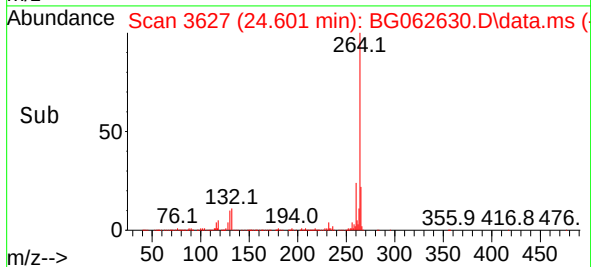
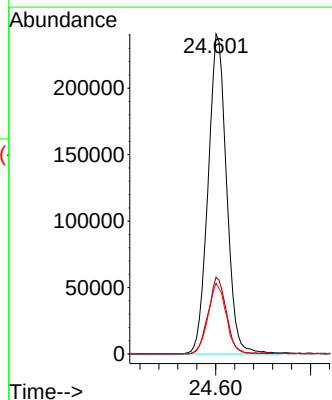
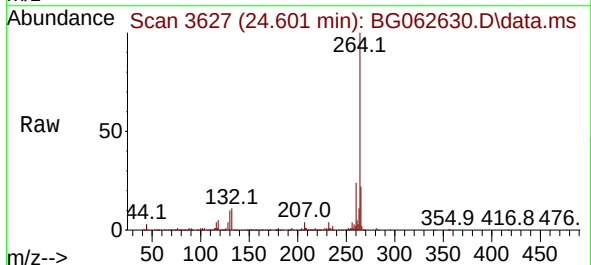
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

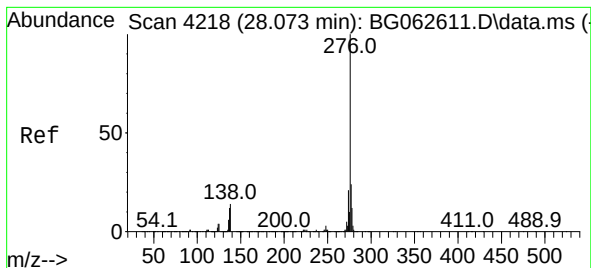
Tgt Ion:149 Resp: 97727
Ion Ratio Lower Upper
149 100
167 1.4 1.4 2.0
43 12.4 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.601 min Scan# 3627
Delta R.T. -0.006 min
Lab File: BG062630.D
Acq: 3 Sep 2024 17:52

Tgt Ion:264 Resp: 650996
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 22.1 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.857 ng

RT: 28.061 min Scan# 41

Delta R.T. -0.012 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

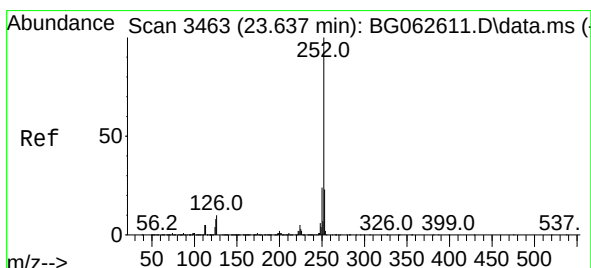
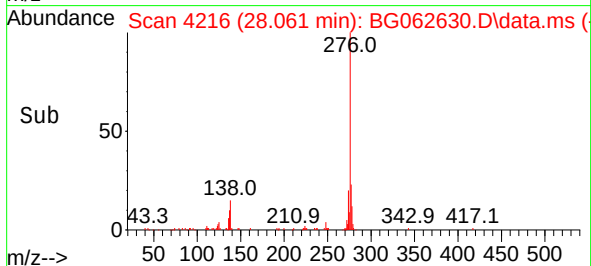
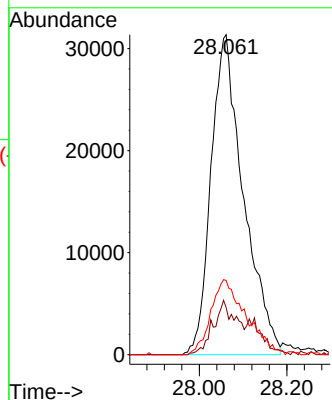
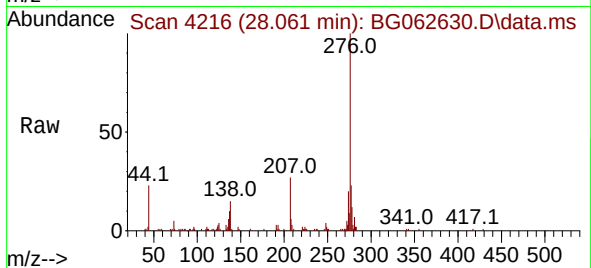
Tgt Ion:276 Resp: 161014

Ion Ratio Lower Upper

276 100

138 12.2 14.9 22.3#

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.892 ng

RT: 23.631 min Scan# 3462

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

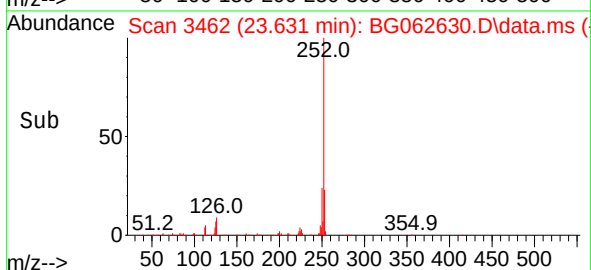
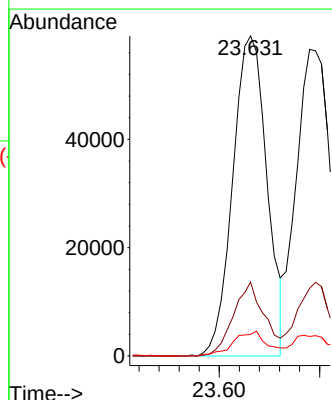
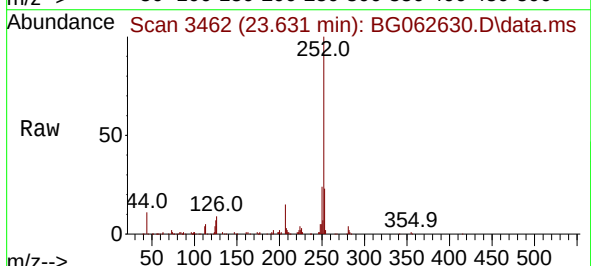
Tgt Ion:252 Resp: 139944

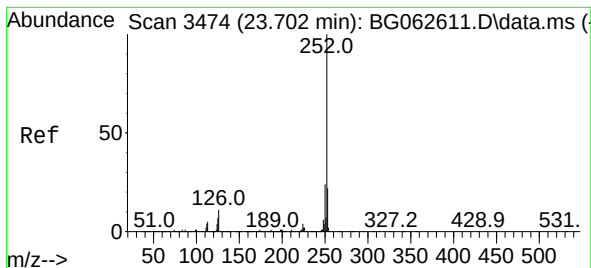
Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

125 6.8 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 3.936 ng

RT: 23.690 min Scan# 3474

Delta R.T. -0.012 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

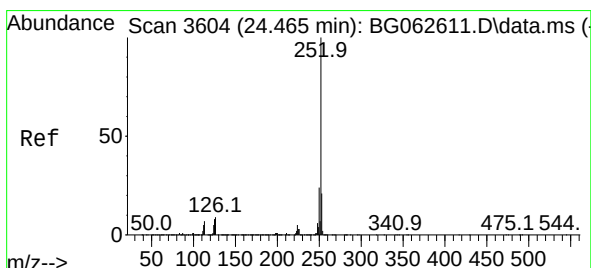
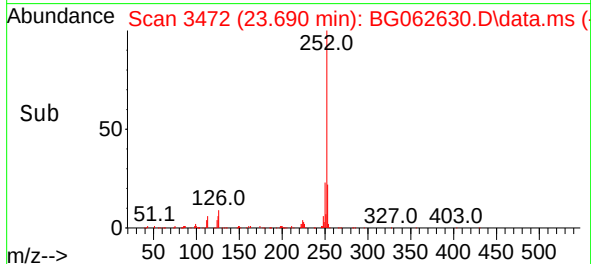
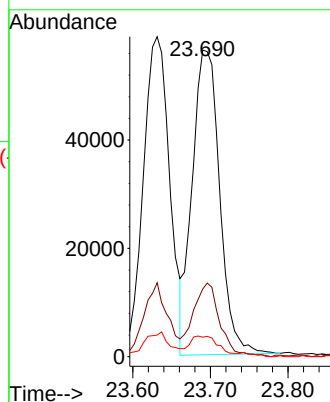
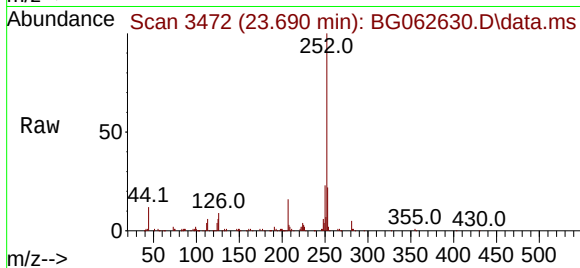
Tgt Ion:252 Resp: 138446

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 6.3 6.1 9.1



#90

Benzo(a)pyrene

Concen: 3.922 ng

RT: 24.460 min Scan# 3603

Delta R.T. -0.006 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

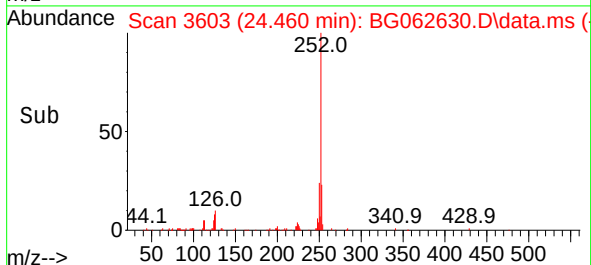
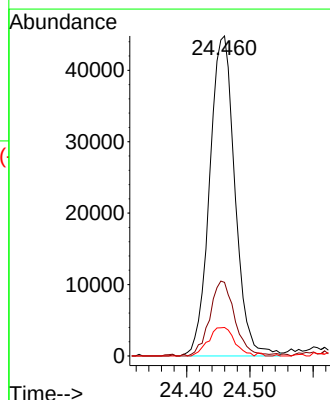
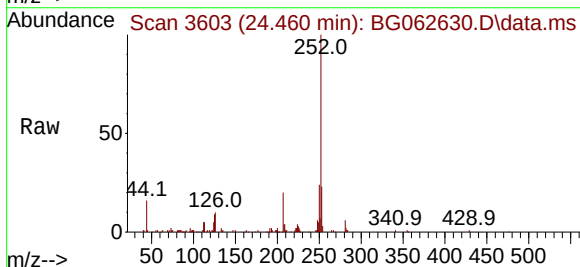
Tgt Ion:252 Resp: 124574

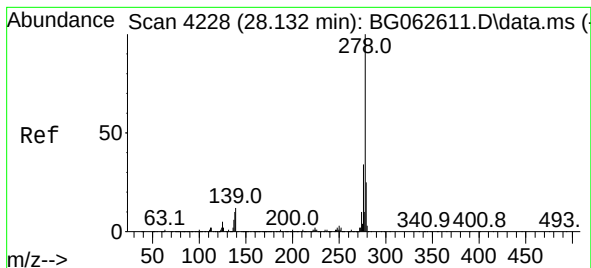
Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 8.9 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 3.848 ng

RT: 28.120 min Scan# 41

Delta R.T. -0.012 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

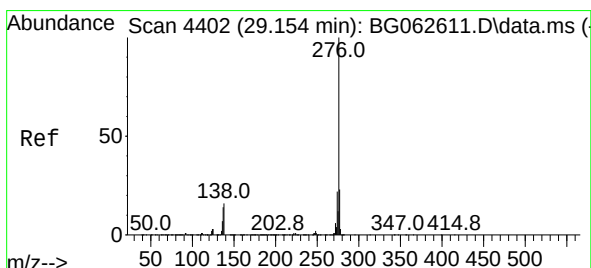
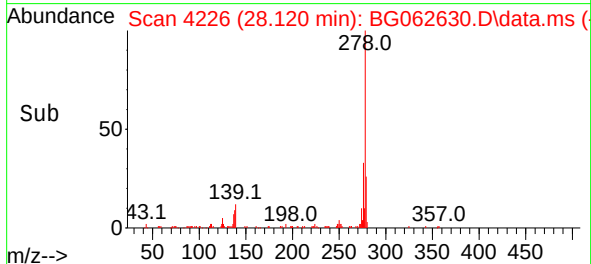
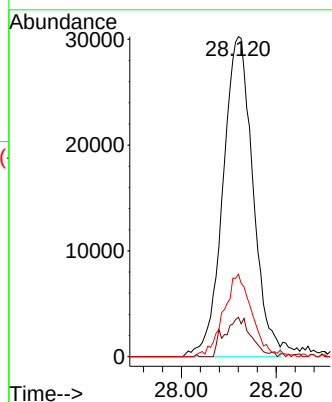
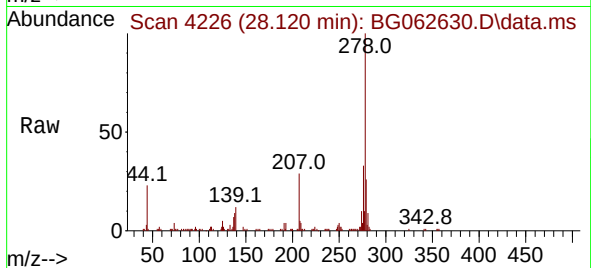
Tgt Ion:278 Resp: 132325

Ion Ratio Lower Upper

278 100

139 12.3 9.2 13.8

279 25.8 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 3.684 ng

RT: 29.142 min Scan# 4400

Delta R.T. -0.012 min

Lab File: BG062630.D

Acq: 3 Sep 2024 17:52

Tgt Ion:276 Resp: 127730

Ion Ratio Lower Upper

276 100

277 19.9 18.8 28.2

138 14.0 12.7 19.1

