

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
 Data File : BG062639.D
 Acq On : 4 Sep 2024 11:45
 Operator : MA/JU
 Sample : P3390-01
 Misc : LOD-MDL-SOIL-8ng
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 04 12:48:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	52319	20.000	ng	0.00
21) Naphthalene-d8	10.714	136	228957	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	191684	20.000	ng	0.00
64) Phenanthrene-d10	17.289	188	539536	20.000	ng	0.00
76) Chrysene-d12	21.531	240	593274	20.000	ng	0.00
86) Perylene-d12	24.604	264	665630	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	393309	129.943	ng	0.00
7) Phenol-d6	7.089	99	555153	126.962	ng	0.00
23) Nitrobenzene-d5	9.075	82	399208	93.903	ng	0.00
42) 2,4,6-Tribromophenol	16.038	330	386456	143.259	ng	0.00
45) 2-Fluorobiphenyl	13.170	172	1065832	90.066	ng	0.00
79) Terphenyl-d14	19.910	244	2335687	78.063	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.411	88	11239	8.913	ng	93
3) Pyridine	3.805	79	29354	8.080	ng	96
4) n-Nitrosodimethylamine	3.717	42	15137	8.570	ng	# 90
6) Aniline	7.248	93	40560	9.928	ng	# 96
8) 2-Chlorophenol	7.489	128	27896	8.585	ng	96
9) Benzaldehyde	7.060	77	28744	11.301	ng	95
10) Phenol	7.113	94	37170	8.397	ng	87
11) bis(2-Chloroethyl)ether	7.342	93	29132	8.596	ng	95
12) 1,3-Dichlorobenzene	7.812	146	31350	8.791	ng	97
13) 1,4-Dichlorobenzene	7.959	146	31407	8.558	ng	96
14) 1,2-Dichlorobenzene	8.276	146	29682	8.228	ng	97
15) Benzyl Alcohol	8.159	79	26124	8.075	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.441	45	52907	8.191	ng	98
17) 2-Methylphenol	8.358	107	23207	7.521	ng	91
18) Hexachloroethane	9.005	117	11705	8.506	ng	90
19) n-Nitroso-di-n-propyla...	8.723	70	25828	7.496	ng	# 97
20) 3+4-Methylphenols	8.687	107	34613	7.604	ng	92
22) Acetophenone	8.740	105	50200	8.127	ng	# 94
24) Nitrobenzene	9.116	77	38751	8.573	ng	97
25) Isophorone	9.639	82	76675	8.216	ng	96
26) 2-Nitrophenol	9.827	139	13597	7.961	ng	99
27) 2,4-Dimethylphenol	9.886	122	15354	6.135	ng	98
28) bis(2-Chloroethoxy)met...	10.121	93	40774	8.162	ng	99
29) 2,4-Dichlorophenol	10.362	162	28728	8.210	ng	97
30) 1,2,4-Trichlorobenzene	10.579	180	35541	8.568	ng	95
31) Naphthalene	10.767	128	96427	8.497	ng	99
32) Benzoic acid	9.957	122	11364	4.222	ng	93
33) 4-Chloroaniline	10.873	127	40201	9.002	ng	95
34) Hexachlorobutadiene	11.055	225	24226	8.362	ng	95
35) Caprolactam	11.613	113	11437	8.479	ng	# 78
36) 4-Chloro-3-methylphenol	11.989	107	32645	7.735	ng	98
37) 2-Methylnaphthalene	12.371	142	74720	8.489	ng	96
38) 1-Methylnaphthalene	12.371	142	74720	8.454	ng	92
40) 1,2,4,5-Tetrachloroben...	12.741	216	50684	8.792	ng	98
41) Hexachlorocyclopentadiene	12.724	237	13207	8.030	ng	99
43) 2,4,6-Trichlorophenol	12.977	196	30152	8.251	ng	93

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.053	196	32659	7.892	ng	97
46) 1,1'-Biphenyl	13.382	154	109586	8.569	ng	97
47) 2-Chloronaphthalene	13.423	162	87136	8.407	ng	98
48) 2-Nitroaniline	13.623	65	22299	8.180	ng	95
49) Acenaphthylene	14.269	152	139378	9.081	ng	97
50) Dimethylphthalate	13.999	163	120441	8.593	ng	99
51) 2,6-Dinitrotoluene	14.116	165	20033	7.556	ng	89
52) Acenaphthene	14.610	154	80116	8.350	ng	98
53) 3-Nitroaniline	14.445	138	22338	8.708	ng	98
54) 2,4-Dinitrophenol	14.657	184	8351	5.613	ng	# 92
55) Dibenzofuran	14.945	168	144203	8.764	ng	95
56) 4-Nitrophenol	14.751	139	17824	8.199	ng	95
57) 2,4-Dinitrotoluene	14.904	165	29375	8.121	ng	# 99
58) Fluorene	15.591	166	113571	8.795	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.168	232	34513	8.803	ng	95
60) Diethylphthalate	15.362	149	116990	8.421	ng	99
61) 4-Chlorophenyl-phenyle...	15.585	204	63632	8.584	ng	98
62) 4-Nitroaniline	15.603	138	24131	8.531	ng	99
63) Azobenzene	15.879	77	112089	8.593	ng	99
65) 4,6-Dinitro-2-methylph...	15.667	198	16659	6.919	ng	87
66) n-Nitrosodiphenylamine	15.803	169	103295	7.963	ng	99
67) 4-Bromophenyl-phenylether	16.478	248	44374	7.969	ng	96
68) Hexachlorobenzene	16.596	284	54104	8.204	ng	95
69) Atrazine	16.749	200	47091	10.688	ng	96
70) Pentachlorophenol	16.942	266	24941	5.905	ng	92
71) Phenanthrene	17.330	178	220417	8.753	ng	99
72) Anthracene	17.418	178	212362	8.577	ng	99
73) Carbazole	17.689	167	192228	8.445	ng	99
74) Di-n-butylphthalate	18.253	149	213874	8.332	ng	98
75) Fluoranthene	19.340	202	280948	8.821	ng	99
77) Benzidine	19.522	184	97990	9.164	ng	100
78) Pyrene	19.704	202	301507	7.995	ng	99
80) Butylbenzylphthalate	20.597	149	78691	7.104	ng	97
81) Benzo(a)anthracene	21.514	228	317506	8.485	ng	100
82) 3,3'-Dichlorobenzidine	21.437	252	107562	8.824	ng	98
83) Chrysene	21.578	228	309865	8.645	ng	100
84) Bis(2-ethylhexyl)phtha...	21.437	149	126851	7.538	ng	98
85) Di-n-octyl phthalate	22.595	149	213003	7.229	ng	100
87) Indeno(1,2,3-cd)pyrene	28.065	276	357642	8.379	ng	# 89
88) Benzo(b)fluoranthene	23.635	252	297691	8.097	ng	99
89) Benzo(k)fluoranthene	23.693	252	307173	8.541	ng	99
90) Benzo(a)pyrene	24.457	252	274720	8.458	ng	100
91) Dibenzo(a,h)anthracene	28.129	278	296258	8.426	ng	97
92) Benzo(g,h,i)perylene	29.140	276	281965	7.953	ng	99

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

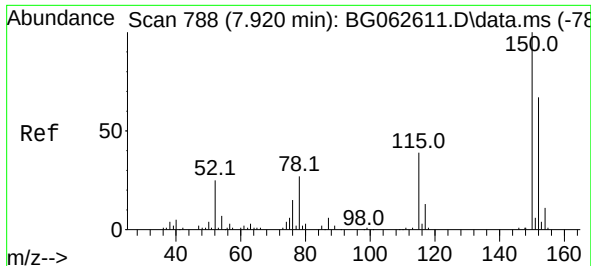
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Abundance

TIC: BG062639.D\data.ms

Time-->

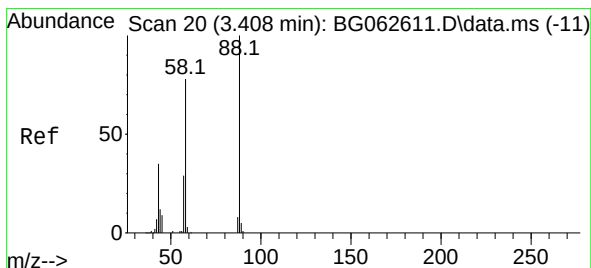
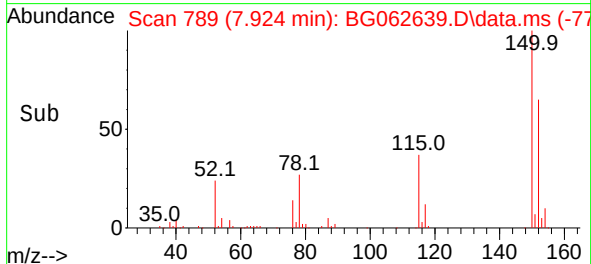
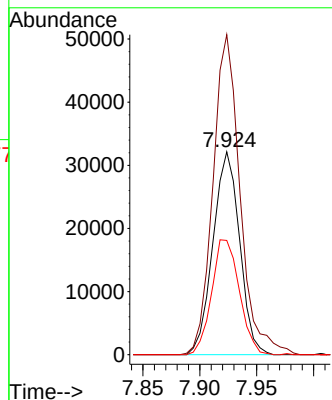
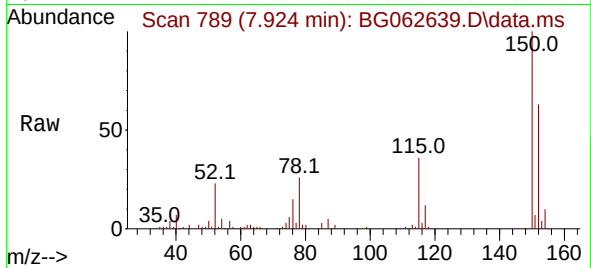
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N,N-dimethylamine,
2-Fluorophenol, S
Phenol-d6, S
Benzaldehyde
Di-n-butyl ether
1,3-Bis(isobutyl)benzene-d4, I
1,3-Bis(isobutyl)benzene
2,4-Dichlorophenol, C
3,4-Dichlorophenol, C
Hexachlorocyclopentadiene
Nitrobenzene-d5, S
Isophthalonitrile
3,4-Dichlorophenol
2,4-Dichlorophenol, C
Hexachlorobutadiene, C
Caprolactam
4-Chloro-3-methylphenol, C
2-Methylnaphthalene
Hexachlorocyclopentadiene
2,4,5-Trichlorophenol, C
2-Chlorophenylacetylene
2-Nitroaniline
2,6-Dinitrophenylphthalate
2,6-Dinitrophenylene
2,4-Dinitrophenylene
2,4-Dinitrophenylene
2,3,4-Trichlorophenol
2,3,4-Trichlorophenol
4,6-Dinitrophenylphenylether
4,6-Dinitrophenylphenylacetylene
4-Bromophenylphenylether
4-Bromophenylphenylacetylene
Pentachlorophenol, C
Anthracene
Carbazole
Di-n-butylphthalate
Fluoranthene, C
Pyrene
Benzidine
Butylbenzylphthalate
Benzylbenzylphthalate
Cyclohexylphthalate
Di-n-octyl phthalate, c
Benzo(b)fluoranthene
Benzo(a)pyrene-d12, I
Benzo(a)pyrene
Indeno(1,2,3-cd)anthracene
Indeno(1,2,3-cd)anthracene
Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.924 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

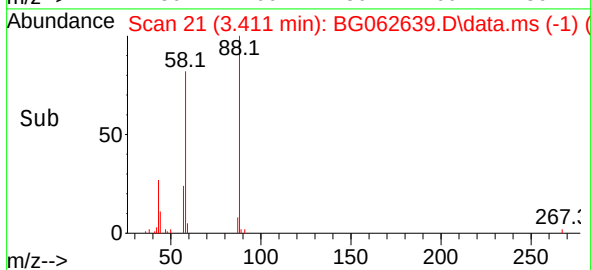
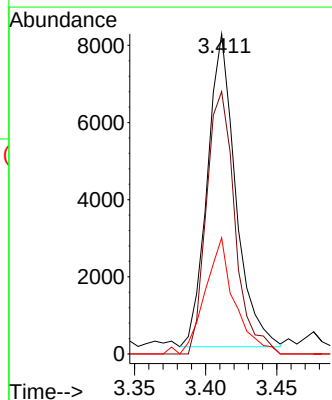
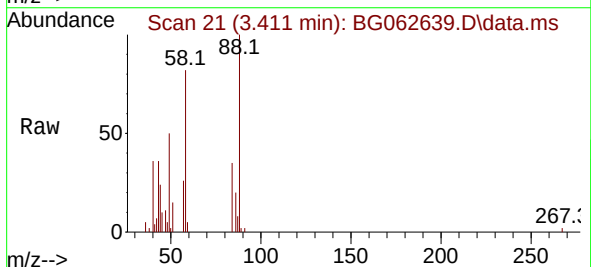
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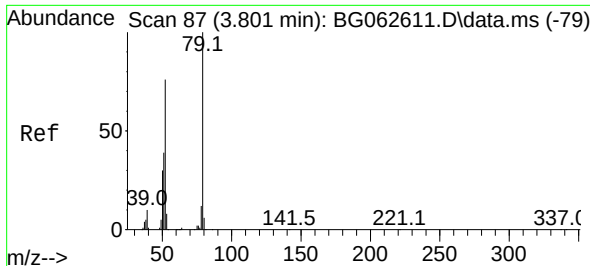
Tgt Ion:152 Resp: 52319
Ion Ratio Lower Upper
152 100
150 157.8 119.9 179.9
115 56.3 46.6 69.8



#2
1,4-Dioxane
Concen: 8.913 ng
RT: 3.411 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion: 88 Resp: 11239
Ion Ratio Lower Upper
88 100
58 84.3 62.3 93.5
43 38.8 27.5 41.3

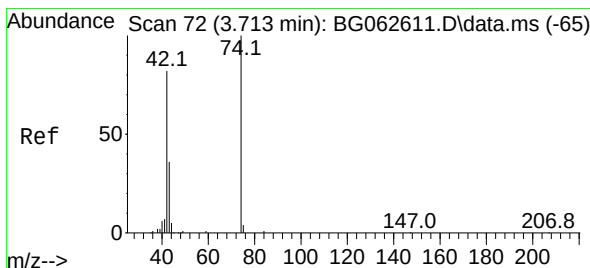
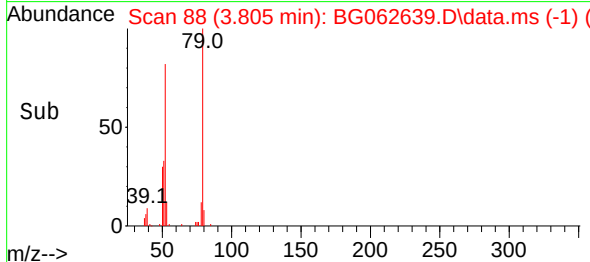
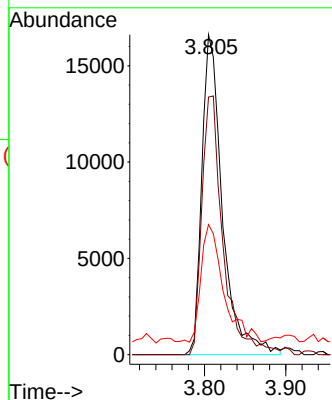
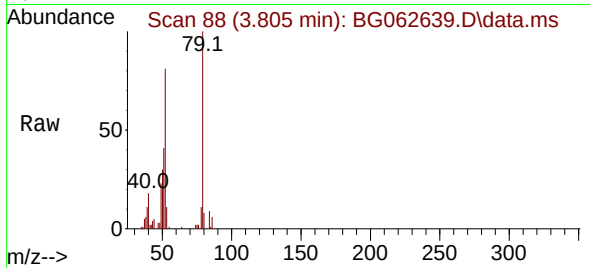




#3
Pyridine
Concen: 8.080 ng
RT: 3.805 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

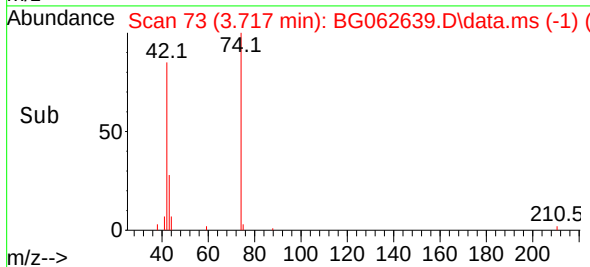
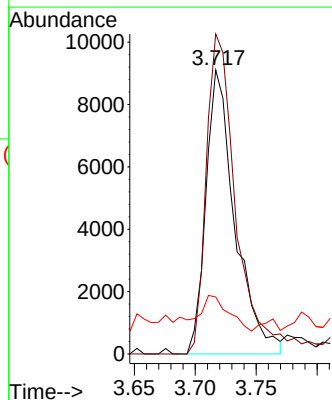
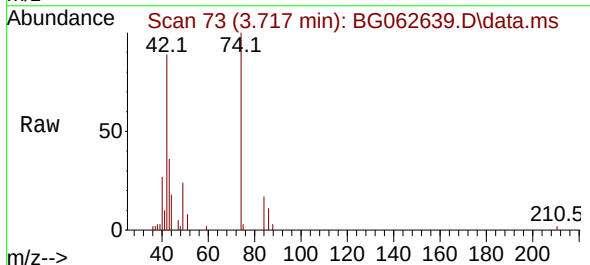
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

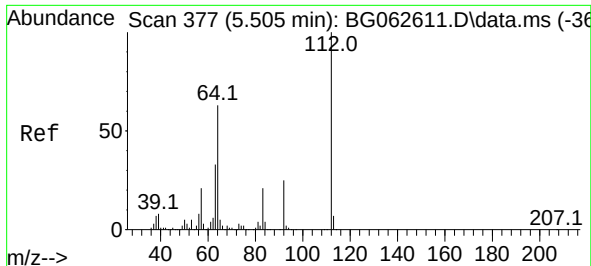
Tgt Ion: 79 Resp: 29354
Ion Ratio Lower Upper
79 100
52 80.5 60.9 91.3
51 40.7 31.5 47.3



#4
n-Nitrosodimethylamine
Concen: 8.570 ng
RT: 3.717 min Scan# 73
Delta R.T. 0.003 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion: 42 Resp: 15137
Ion Ratio Lower Upper
42 100
74 112.7 98.0 147.0
44 20.1 7.4 11.2

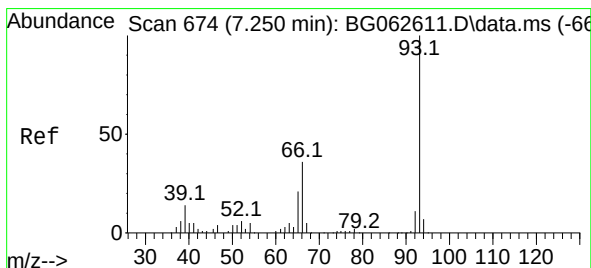
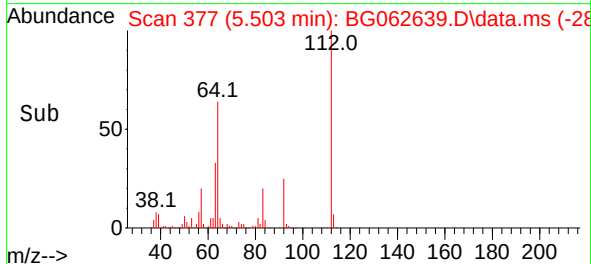
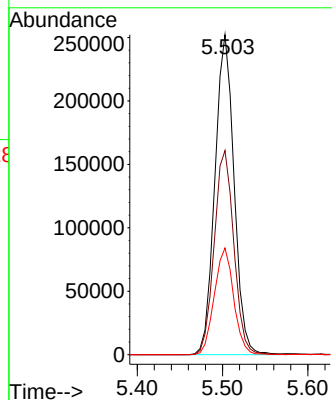
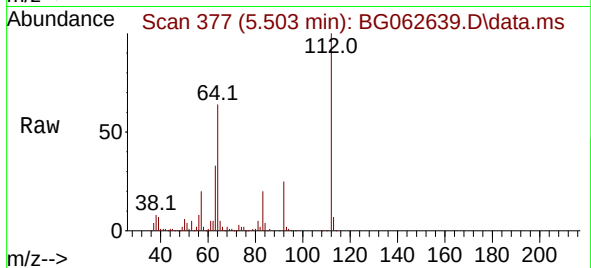




#5
2-Fluorophenol
Concen: 129.943 ng
RT: 5.503 min Scan# 377
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

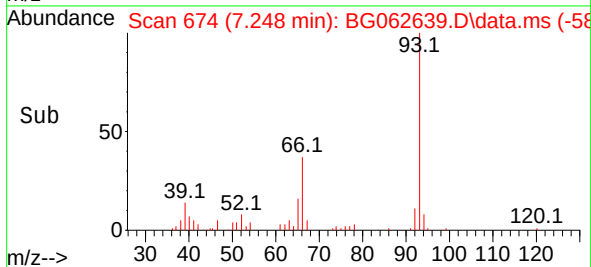
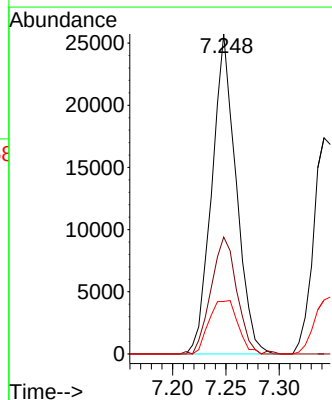
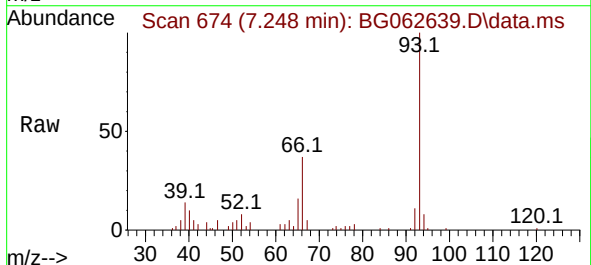
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ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

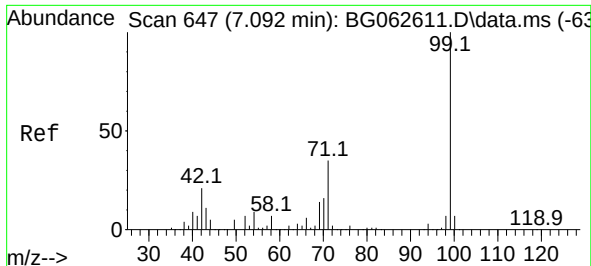
Tgt Ion:112 Resp: 393309
Ion Ratio Lower Upper
112 100
64 63.8 50.2 75.2
63 33.3 26.6 39.8



#6
Aniline
Concen: 9.928 ng
RT: 7.248 min Scan# 674
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion: 93 Resp: 40560
Ion Ratio Lower Upper
93 100
66 36.6 29.1 43.7
65 16.4 16.6 25.0#

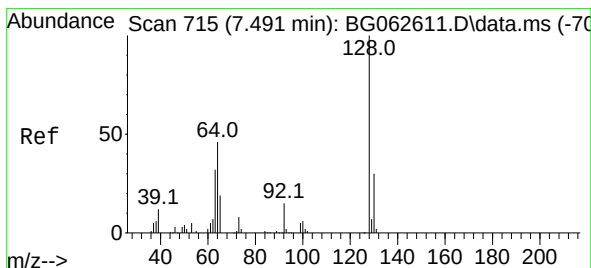
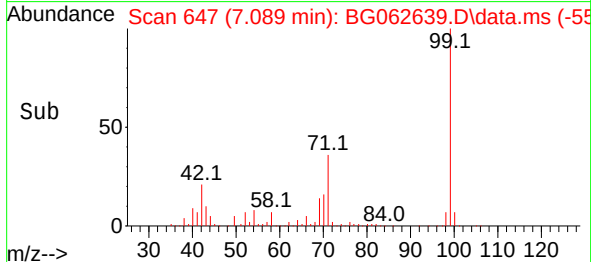
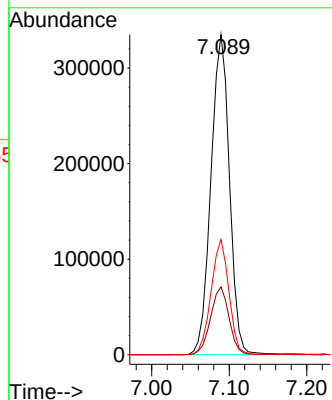
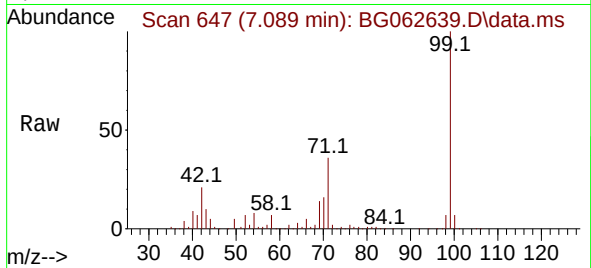




#7
Phenol-d6
Concen: 126.962 ng
RT: 7.089 min Scan# 647
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

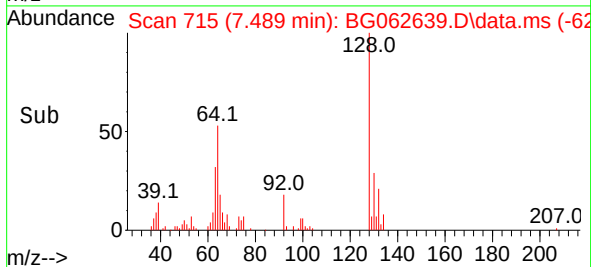
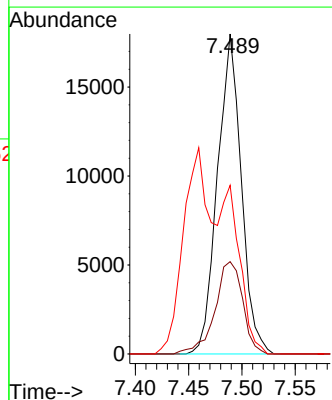
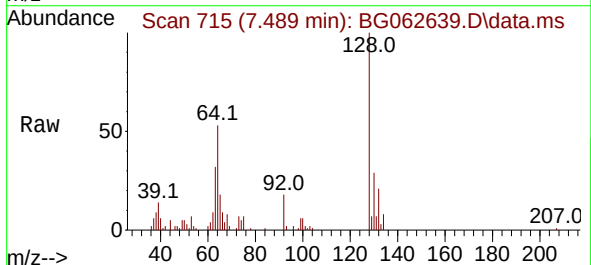
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ClientSampleId :
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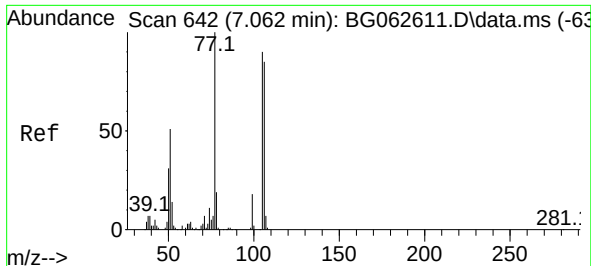
Tgt Ion: 99 Resp: 555153
Ion Ratio Lower Upper
99 100
42 21.2 16.9 25.3
71 36.0 27.9 41.9



#8
2-Chlorophenol
Concen: 8.585 ng
RT: 7.489 min Scan# 715
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:128 Resp: 27896
Ion Ratio Lower Upper
128 100
130 28.8 10.0 50.0
64 52.7 28.8 68.8

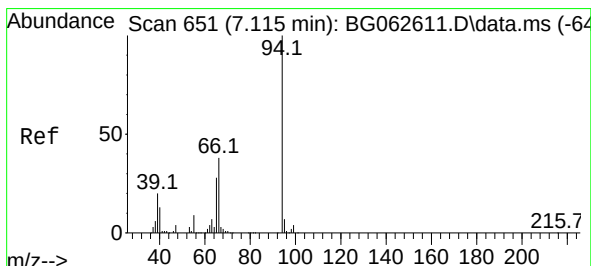
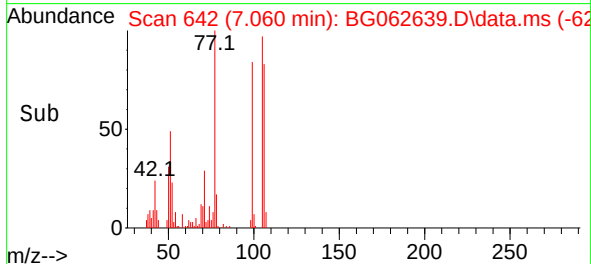
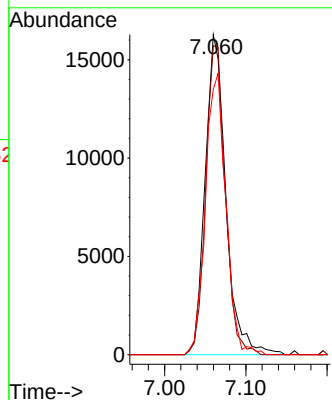
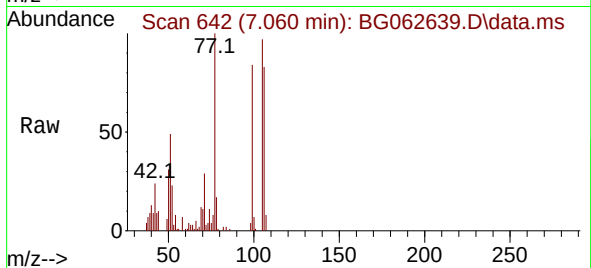




#9
Benzaldehyde
Concen: 11.301 ng
RT: 7.060 min Scan# 642
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

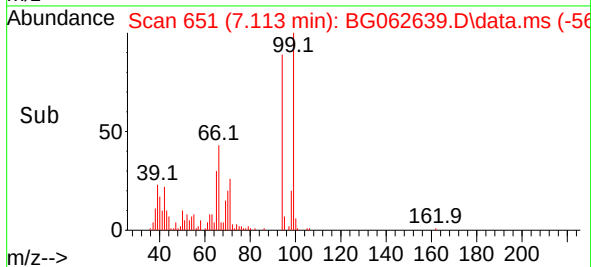
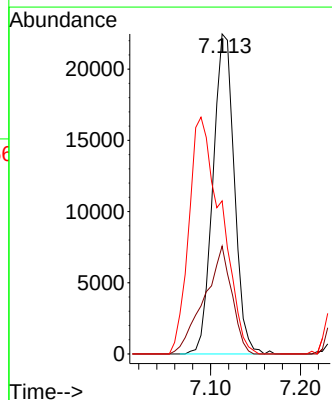
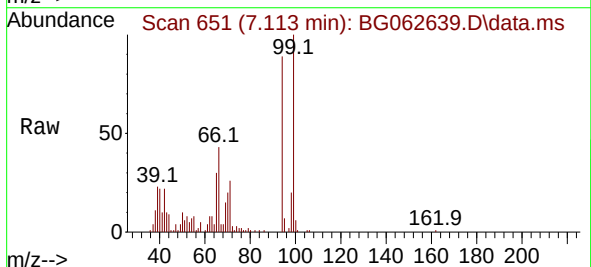
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

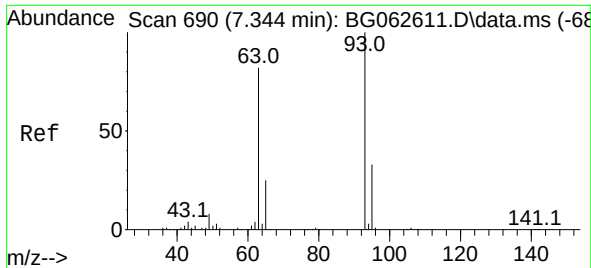
Tgt Ion: 77 Resp: 28744
Ion Ratio Lower Upper
77 100
105 96.6 70.2 110.2
106 83.0 65.4 105.4



#10
Phenol
Concen: 8.397 ng
RT: 7.113 min Scan# 651
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion: 94 Resp: 37170
Ion Ratio Lower Upper
94 100
65 33.7 8.6 48.6
66 47.9 18.2 58.2

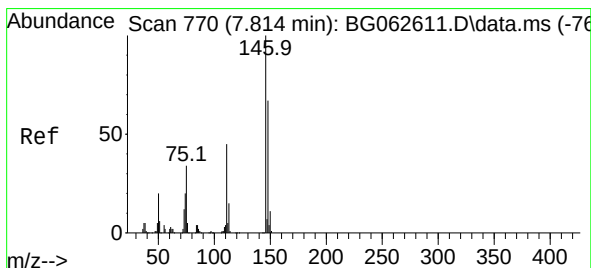
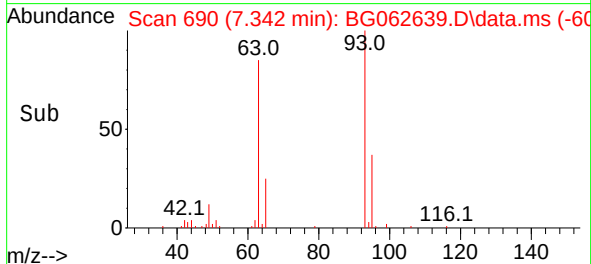
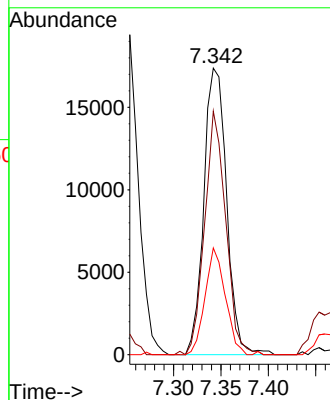
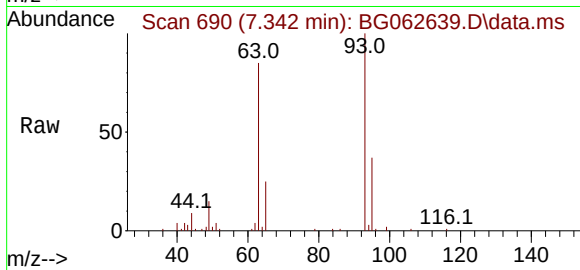




#11
bis(2-Chloroethyl)ether
Concen: 8.596 ng
RT: 7.342 min Scan# 690
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

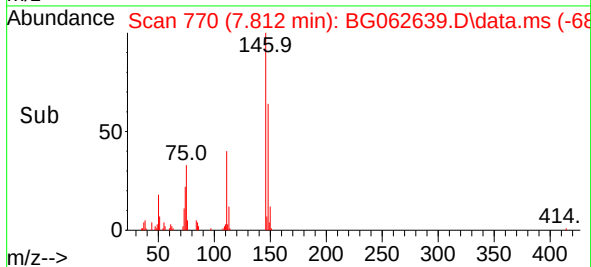
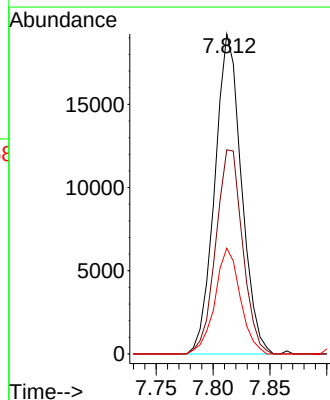
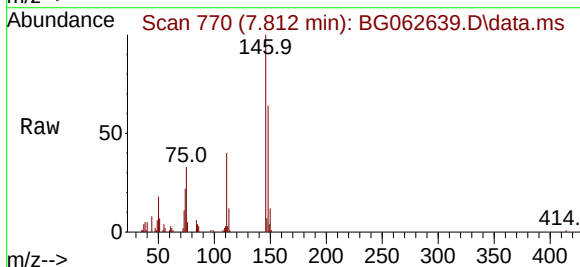
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

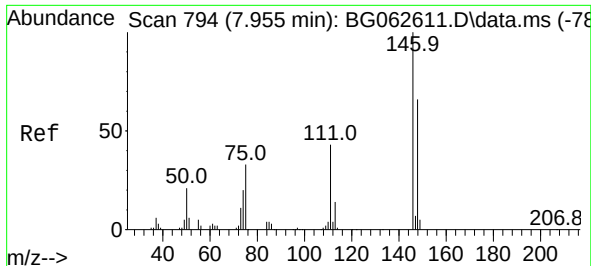
Tgt Ion:	93	Resp:	29132
Ion	Ratio	Lower	Upper
93	100		
63	84.9	61.9	101.9
95	37.3	12.9	52.9



#12
1,3-Dichlorobenzene
Concen: 8.791 ng
RT: 7.812 min Scan# 770
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:	146	Resp:	31350
Ion	Ratio	Lower	Upper
146	100		
148	63.8	53.9	80.9
75	33.1	27.0	40.4

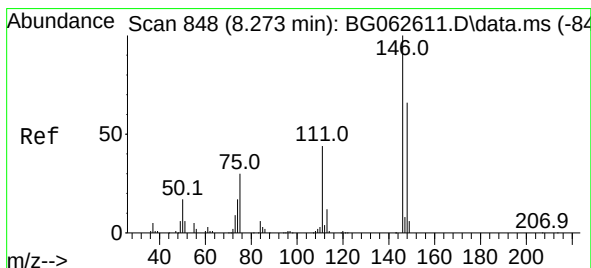
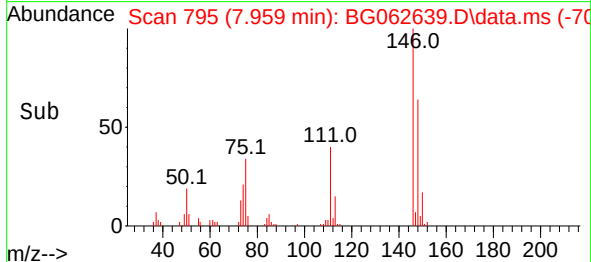
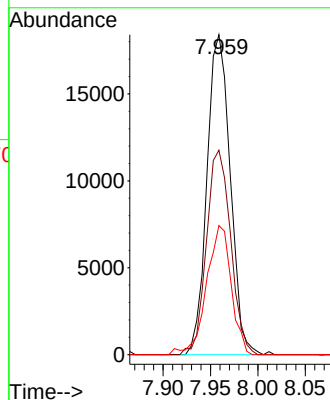
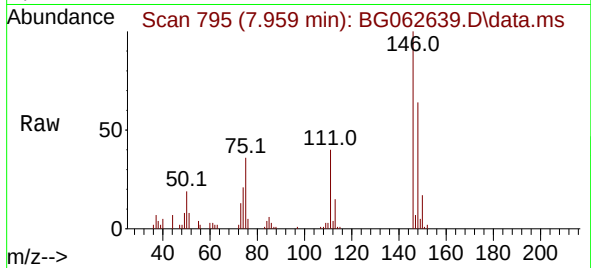




#13
1,4-Dichlorobenzene
Concen: 8.558 ng
RT: 7.959 min Scan# 795
Delta R.T. 0.003 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

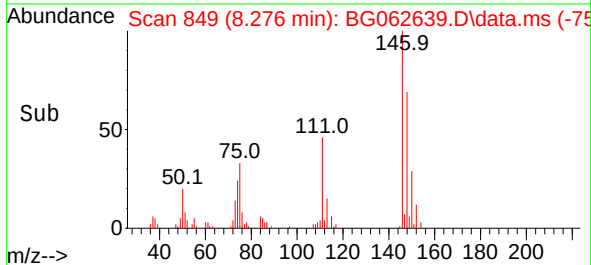
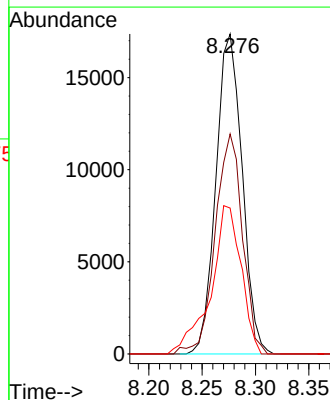
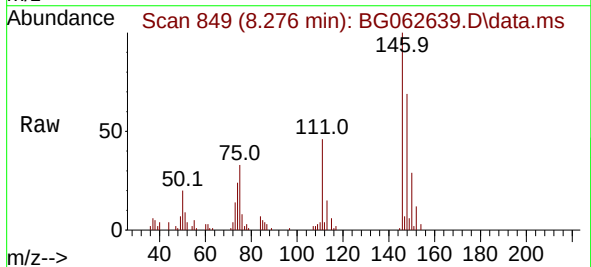
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

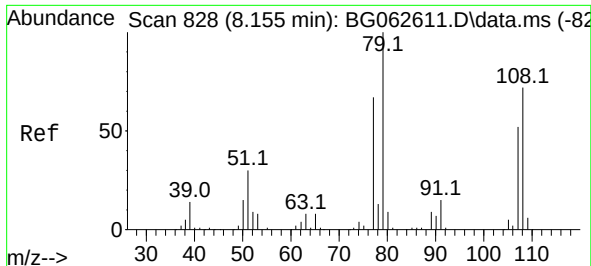
Tgt Ion:146 Resp: 31407
Ion Ratio Lower Upper
146 100
148 63.9 53.0 79.6
111 40.3 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 8.228 ng
RT: 8.276 min Scan# 849
Delta R.T. 0.004 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:146 Resp: 29682
Ion Ratio Lower Upper
146 100
148 68.8 52.5 78.7
111 45.6 35.5 53.3

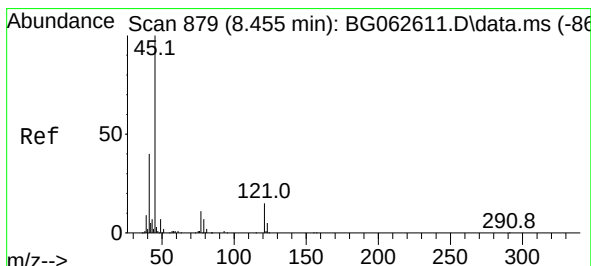
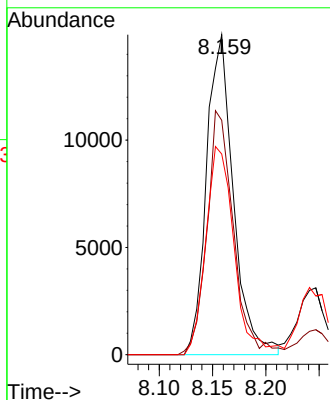
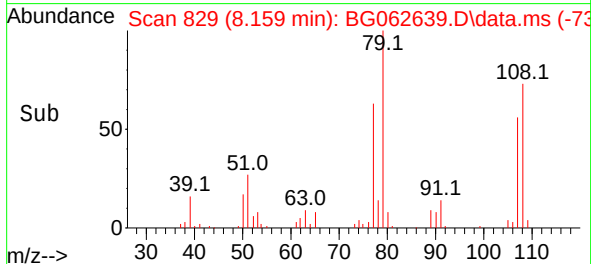
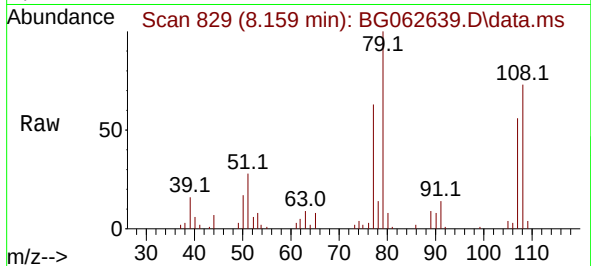




#15
Benzyl Alcohol
Concen: 8.075 ng
RT: 8.159 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

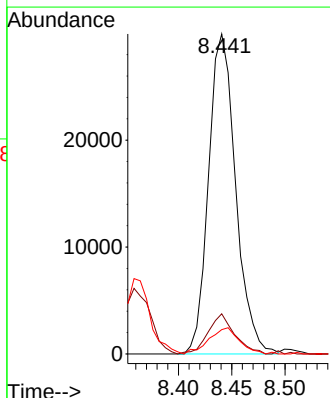
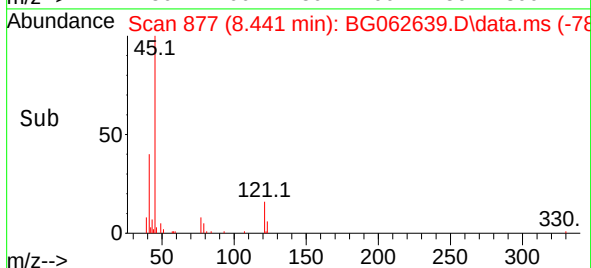
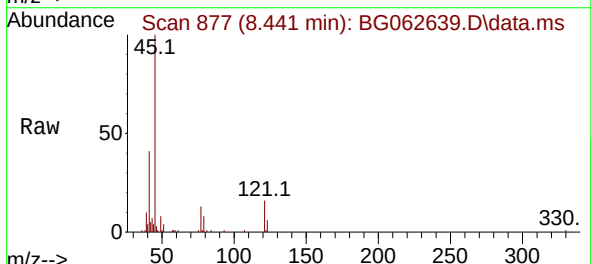
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

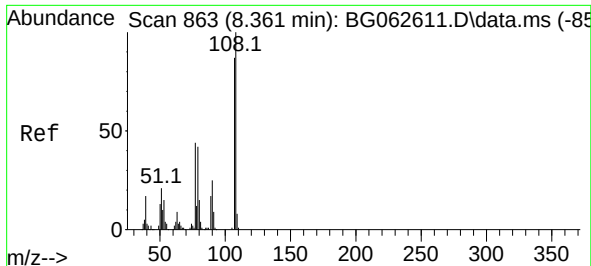
Tgt Ion: 79 Resp: 26124
Ion Ratio Lower Upper
79 100
108 73.2 57.9 86.9
77 62.7 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.191 ng
RT: 8.441 min Scan# 877
Delta R.T. -0.014 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion: 45 Resp: 52907
Ion Ratio Lower Upper
45 100
77 12.6 0.0 31.7
79 7.6 0.0 28.3

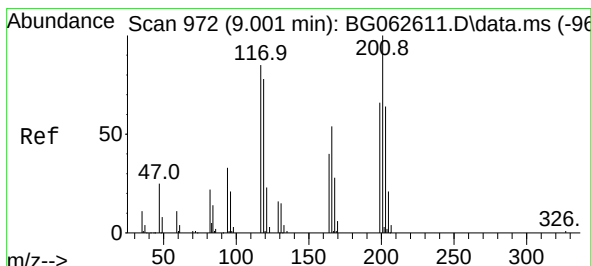
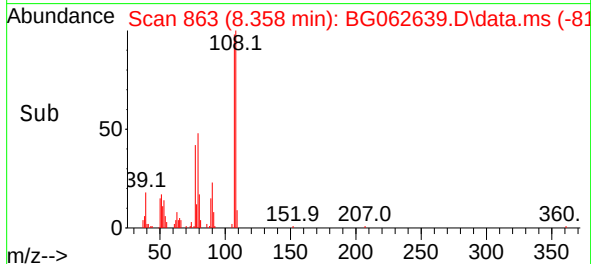
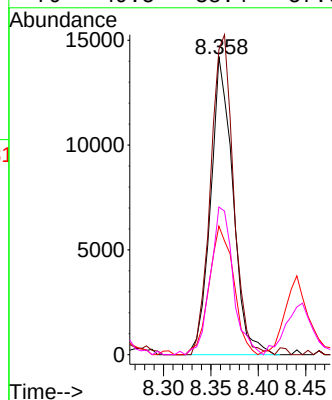
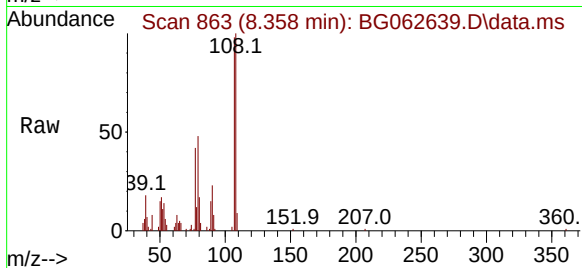




#17
2-Methylphenol
Concen: 7.521 ng
RT: 8.358 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

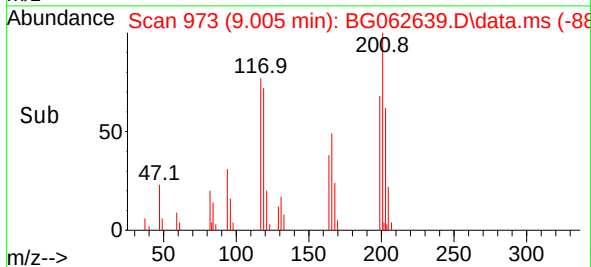
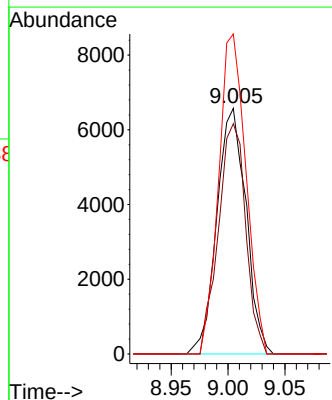
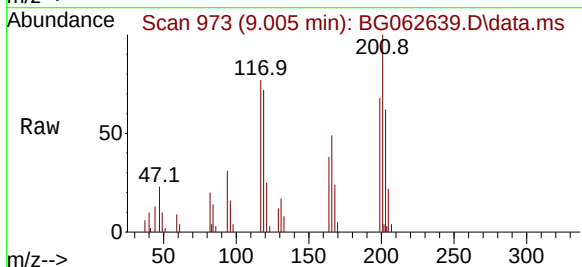
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

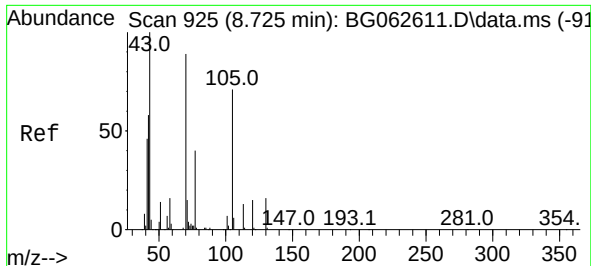
Tgt Ion:	107	Resp:	23207
Ion	Ratio	Lower	Upper
107	100		
108	102.3	91.5	137.3
77	43.1	40.0	60.0
79	49.5	38.4	57.6



#18
Hexachloroethane
Concen: 8.506 ng
RT: 9.005 min Scan# 973
Delta R.T. 0.003 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:	117	Resp:	11705
Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.4	110.0
201	135.2	93.9	140.9



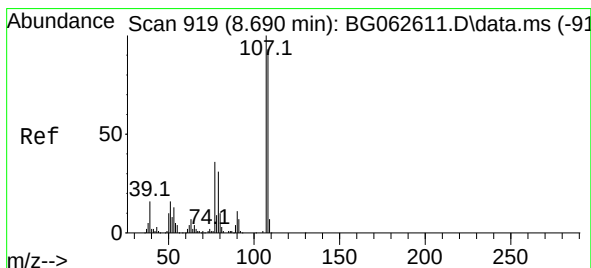
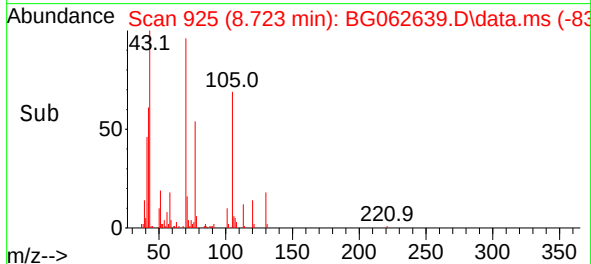
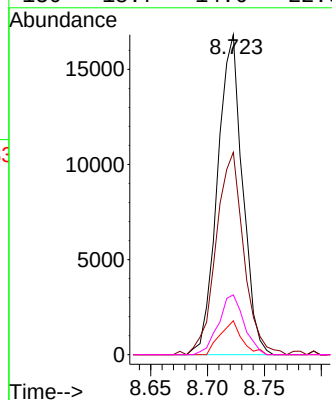
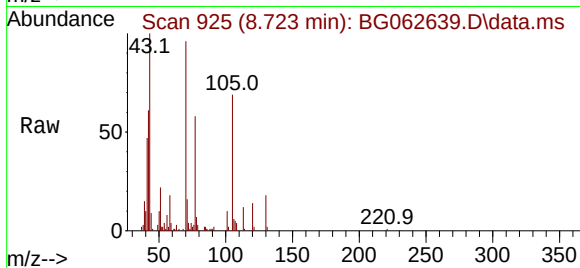


#19
n-Nitroso-di-n-propylamine
Concen: 7.496 ng
RT: 8.723 min Scan# 919
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

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

Tgt Ion: 70 Resp: 25828

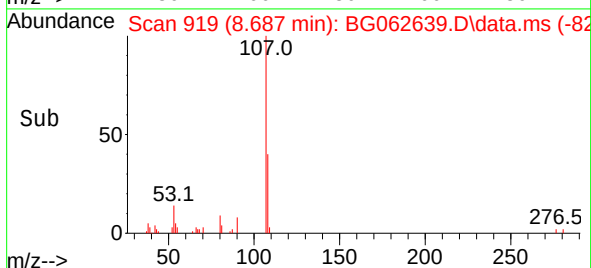
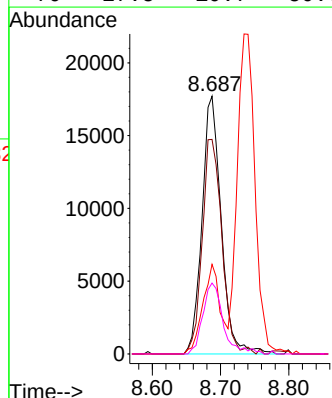
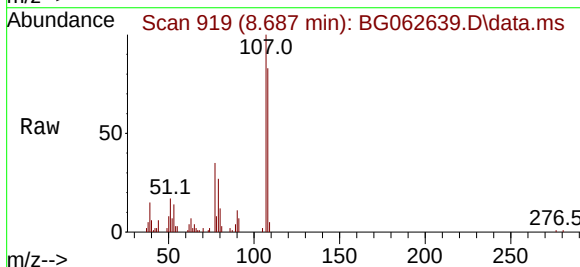
Ion	Ratio	Lower	Upper
70	100		
42	63.3	52.3	78.5
101	10.6	6.6	9.8#
130	18.7	14.6	22.0

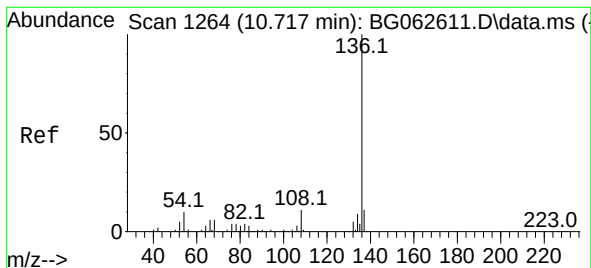


#20
3+4-Methylphenols
Concen: 7.604 ng
RT: 8.687 min Scan# 919
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion: 107 Resp: 34613

Ion	Ratio	Lower	Upper
107	100		
108	83.2	72.7	112.7
77	34.7	16.5	56.5
79	27.5	10.7	50.7

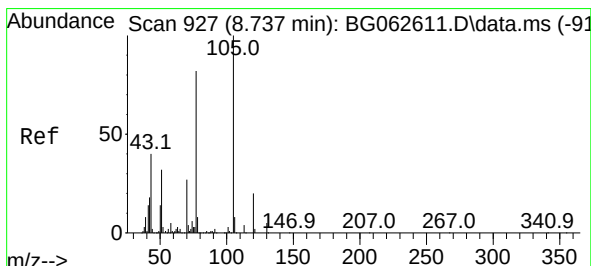
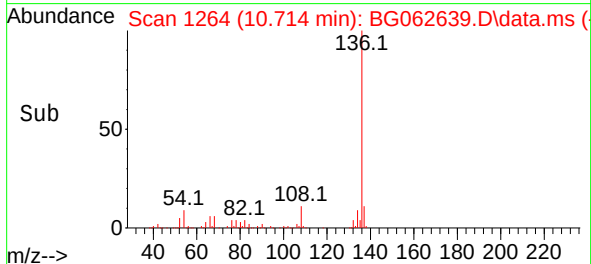
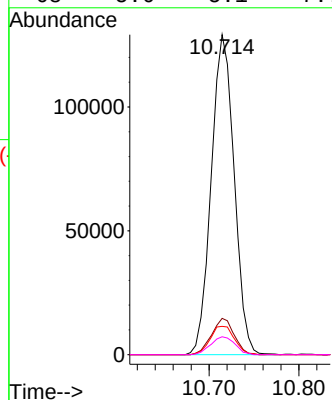
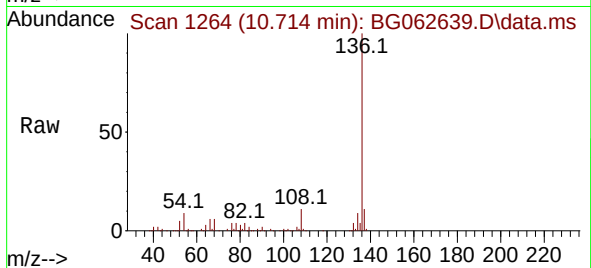




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.714 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

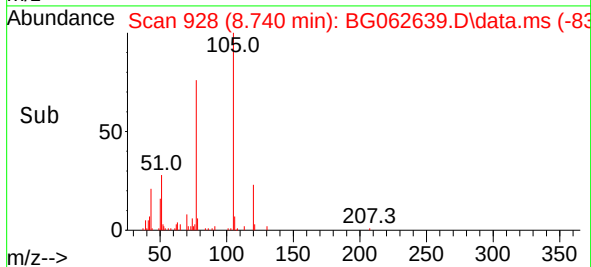
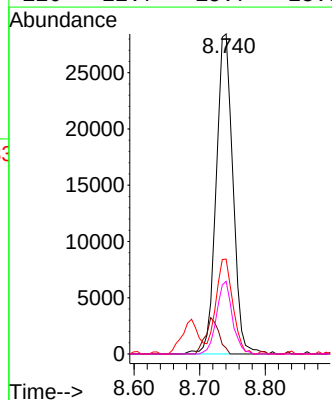
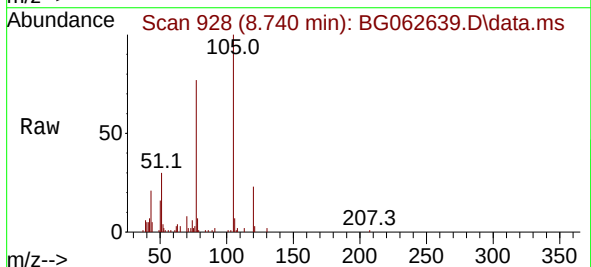
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

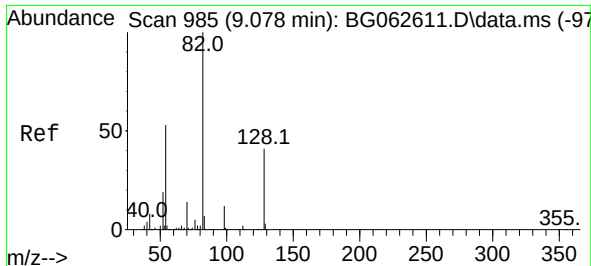
Tgt Ion:136	Resp: 228957
Ion Ratio	Lower Upper
136 100	
137 11.3	9.0 13.4
54 8.8	7.8 11.6
68 5.6	5.1 7.7



#22
Acetophenone
Concen: 8.127 ng
RT: 8.740 min Scan# 928
Delta R.T. 0.004 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt	Ion:105	Resp:	50200
Ion	Ratio	Lower	Upper
105	100		
71	1.8	3.5	5.3#
51	29.6	25.7	38.5
120	22.7	15.7	23.5





#23

Nitrobenzene-d5

Concen: 93.903 ng

RT: 9.075 min Scan# 91

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

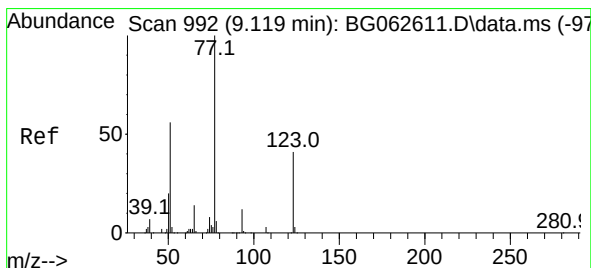
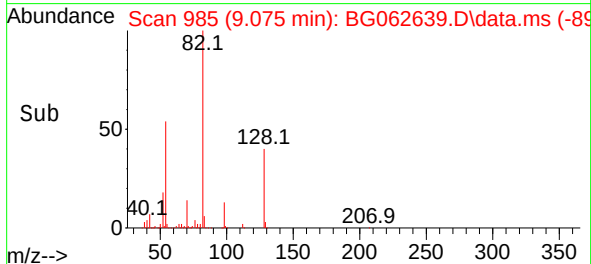
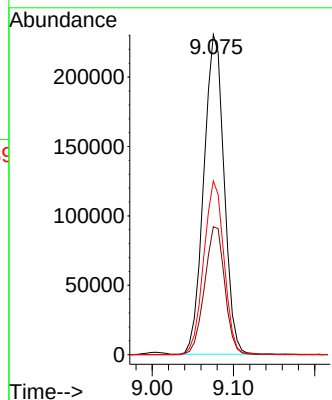
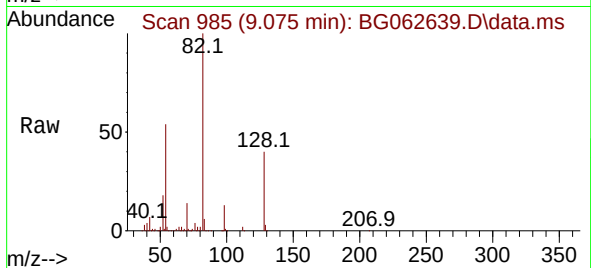
Tgt Ion: 82 Resp: 399208

Ion Ratio Lower Upper

82 100

128 40.0 32.5 48.7

54 54.3 42.5 63.7



#24

Nitrobenzene

Concen: 8.573 ng

RT: 9.116 min Scan# 992

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

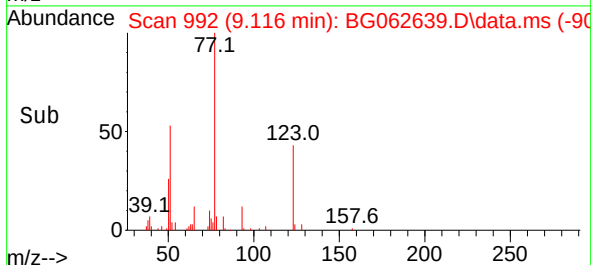
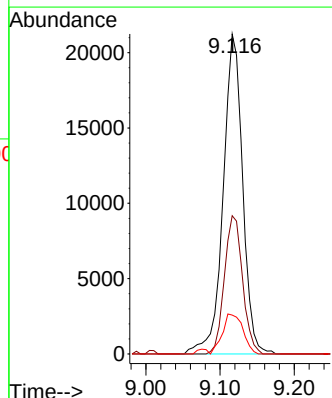
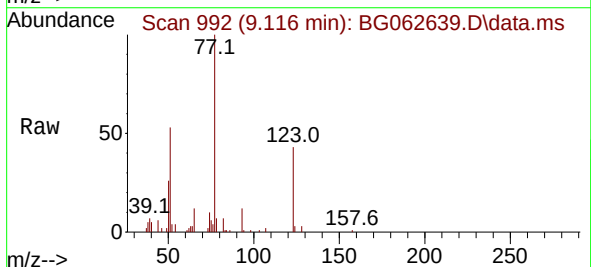
Tgt Ion: 77 Resp: 38751

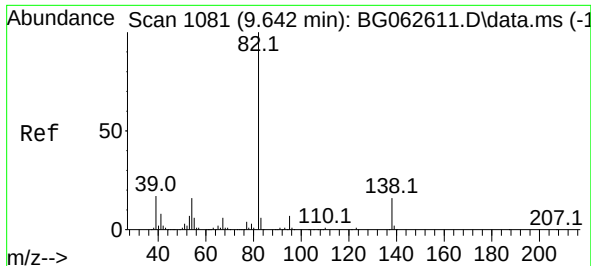
Ion Ratio Lower Upper

77 100

123 43.2 33.1 49.7

65 12.2 11.0 16.4





#25

Isophorone

Concen: 8.216 ng

RT: 9.639 min Scan# 1081

Delta R.T. -0.002 min

Lab File: BG062639.D

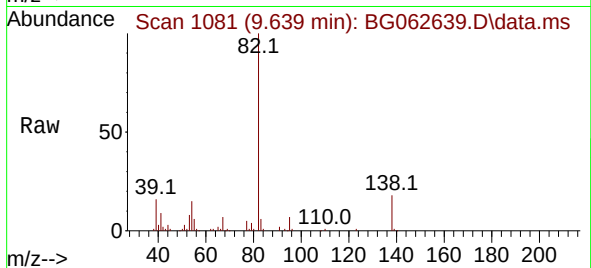
Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



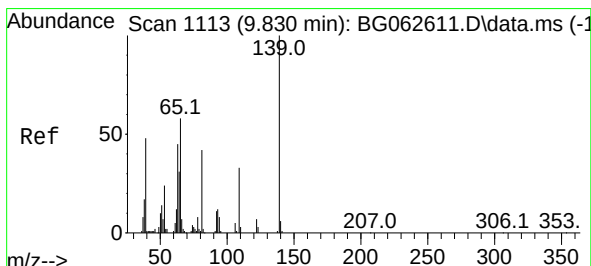
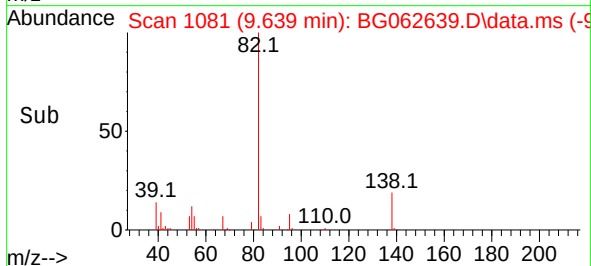
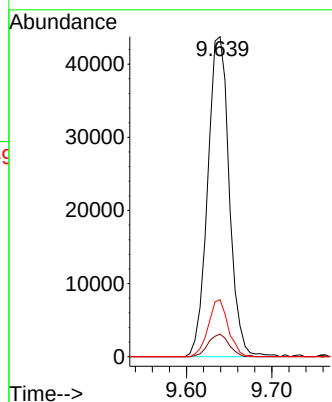
Tgt Ion: 82 Resp: 76675

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.0

138 17.8 12.6 18.8



#26

2-Nitrophenol

Concen: 7.961 ng

RT: 9.827 min Scan# 1113

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

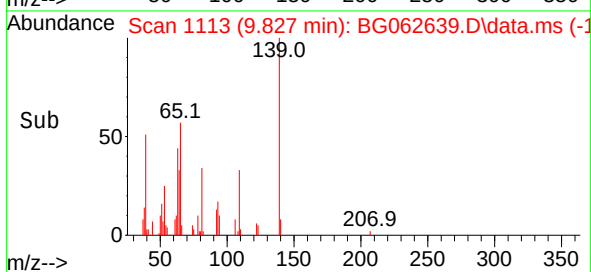
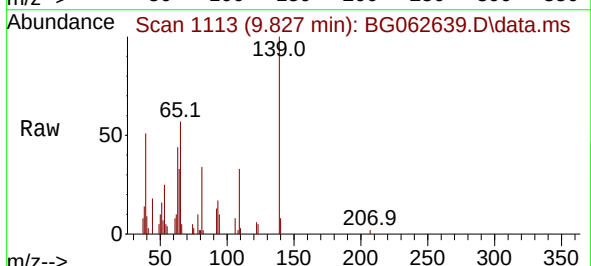
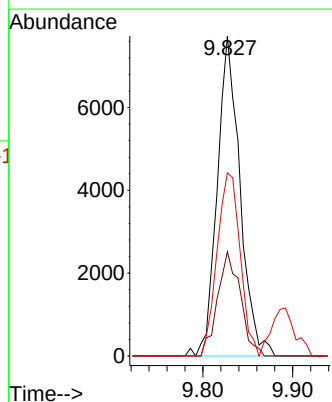
Tgt Ion:139 Resp: 13597

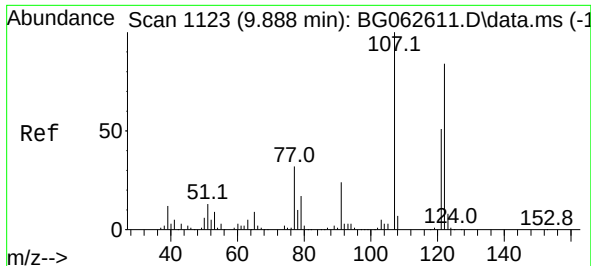
Ion Ratio Lower Upper

139 100

109 32.6 26.6 39.8

65 57.3 46.5 69.7





#27

2,4-Dimethylphenol

Concen: 6.135 ng

RT: 9.886 min Scan# 1123

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

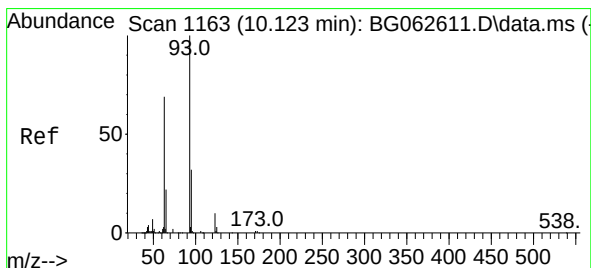
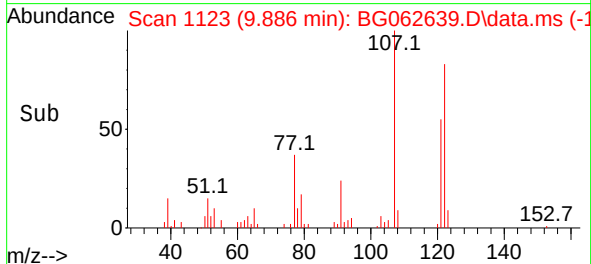
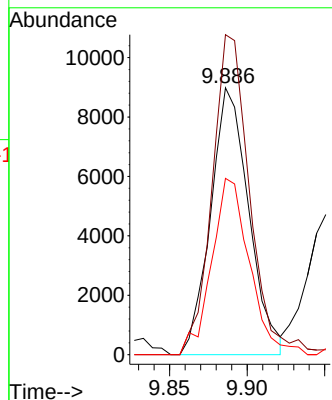
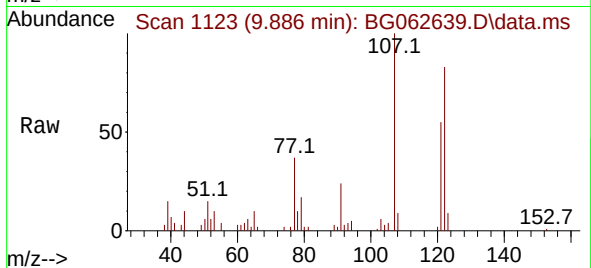
Tgt Ion:122 Resp: 15354

Ion Ratio Lower Upper

122 100

107 119.9 95.8 143.6

121 66.1 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 8.162 ng

RT: 10.121 min Scan# 1163

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

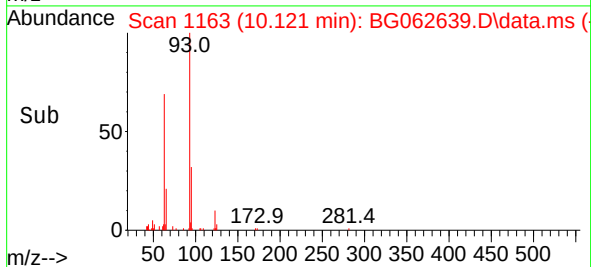
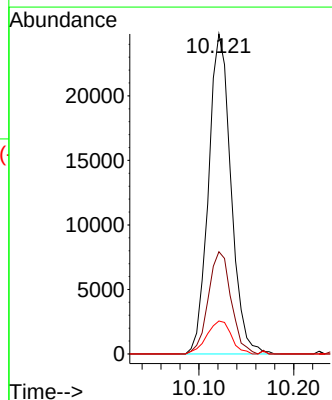
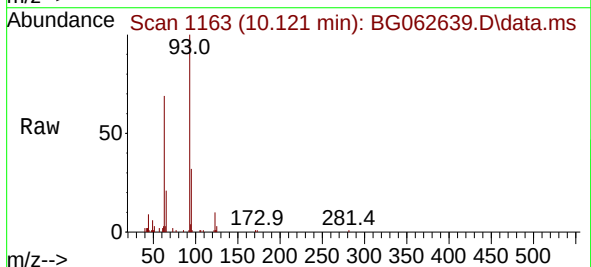
Tgt Ion: 93 Resp: 40774

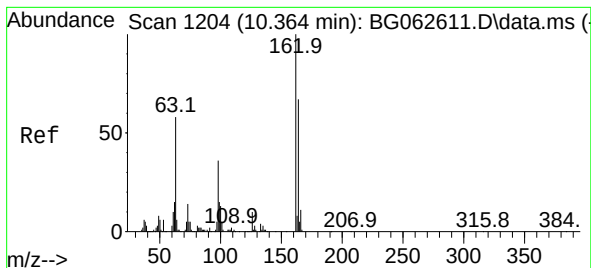
Ion Ratio Lower Upper

93 100

95 32.0 25.4 38.0

123 10.3 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 8.210 ng

RT: 10.362 min Scan# 1204

Delta R.T. -0.002 min

Lab File: BG062639.D

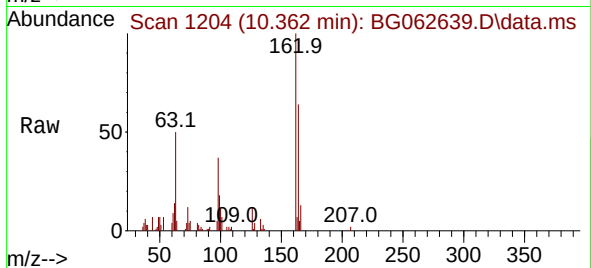
Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



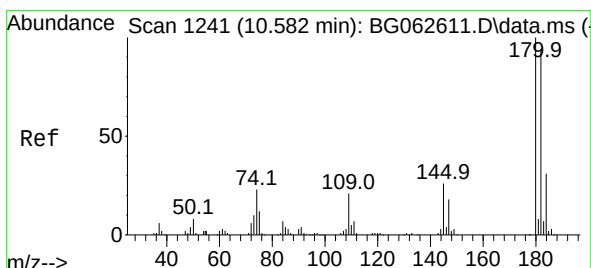
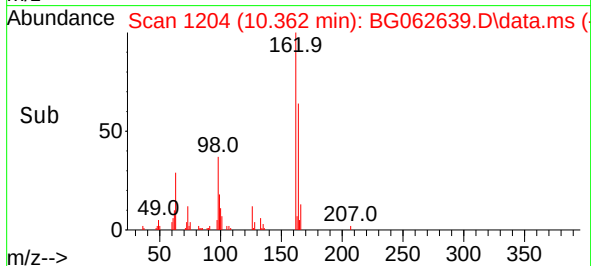
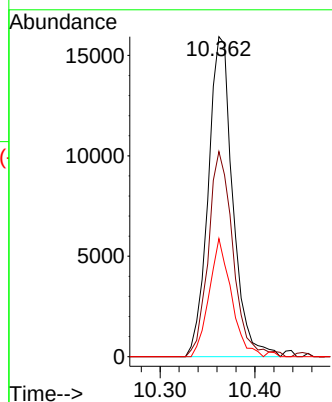
Tgt Ion:162 Resp: 28728

Ion Ratio Lower Upper

162 100

164 64.1 46.8 86.8

98 36.9 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 8.568 ng

RT: 10.579 min Scan# 1241

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

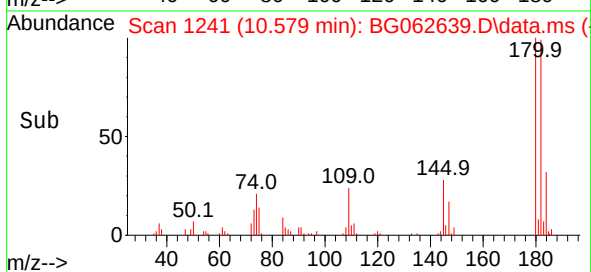
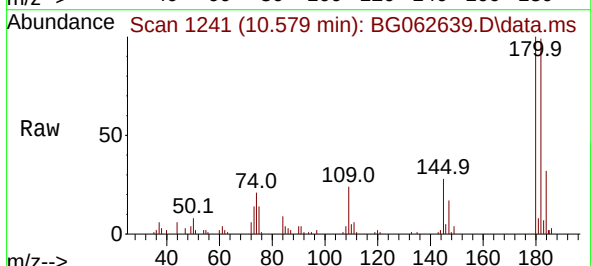
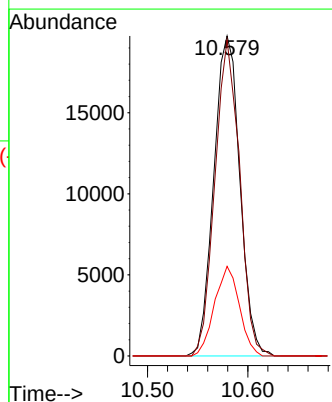
Tgt Ion:180 Resp: 35541

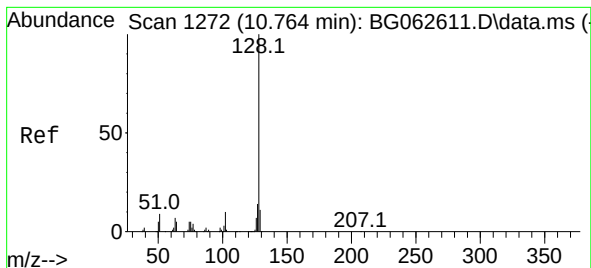
Ion Ratio Lower Upper

180 100

182 98.7 75.1 112.7

145 28.0 20.8 31.2





#31

Naphthalene

Concen: 8.497 ng

RT: 10.767 min Scan# 11

Delta R.T. 0.004 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

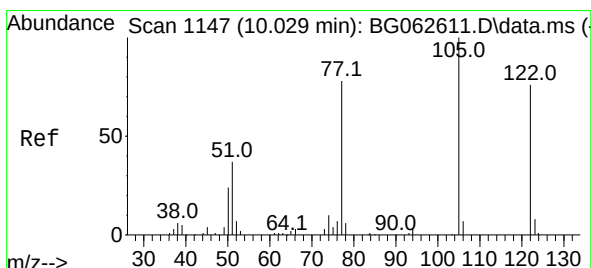
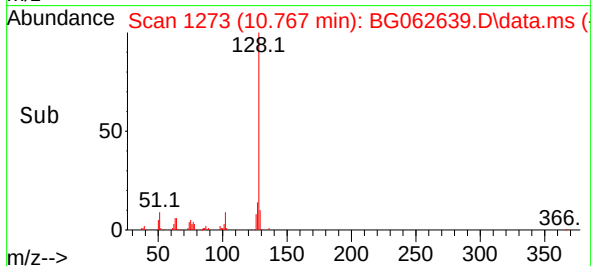
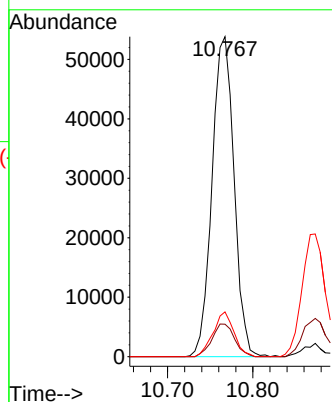
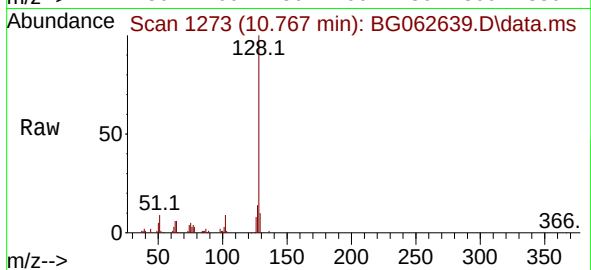
Tgt Ion:128 Resp: 96427

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

127 14.0 11.3 16.9



#32

Benzoic acid

Concen: 4.222 ng

RT: 9.957 min Scan# 1135

Delta R.T. -0.072 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

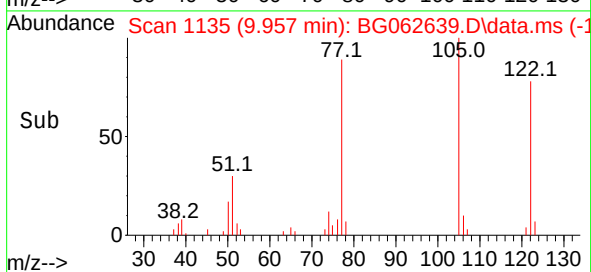
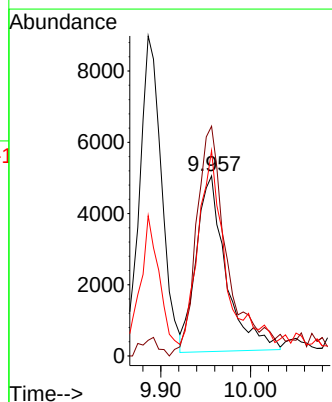
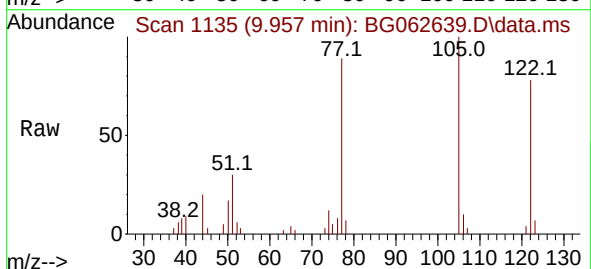
Tgt Ion:122 Resp: 11364

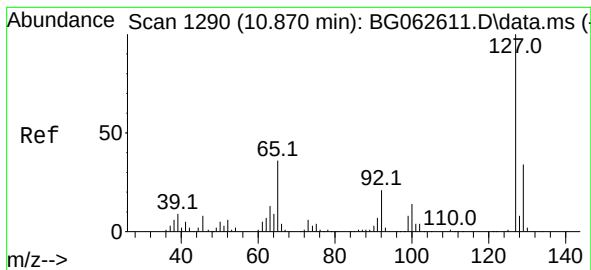
Ion Ratio Lower Upper

122 100

105 127.7 105.7 145.7

77 114.0 79.9 119.9

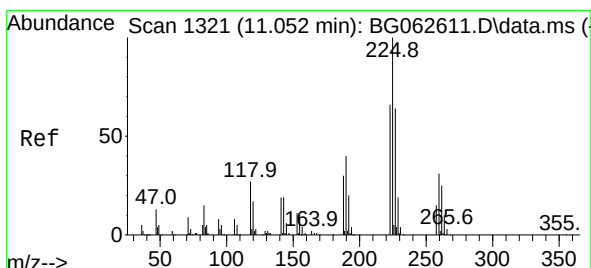
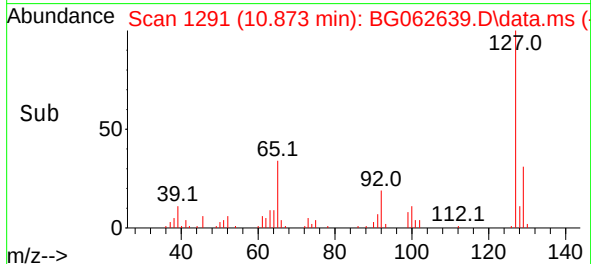
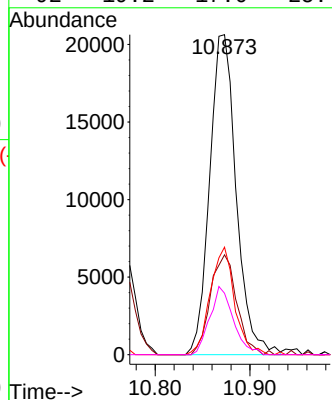
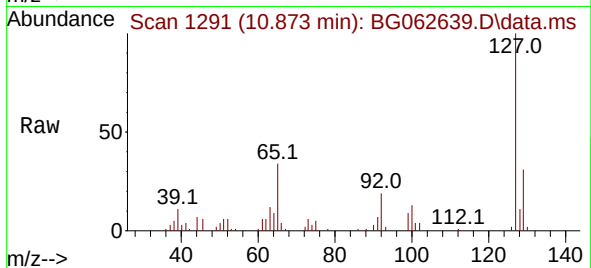




#33
4-Chloroaniline
Concen: 9.002 ng
RT: 10.873 min Scan# 1291
Delta R.T. 0.004 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

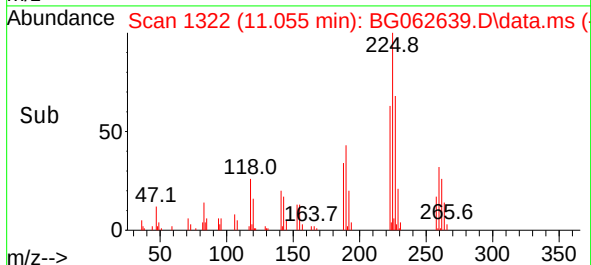
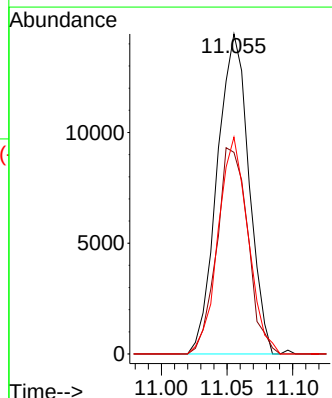
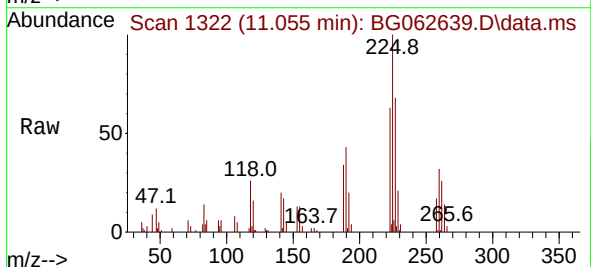
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

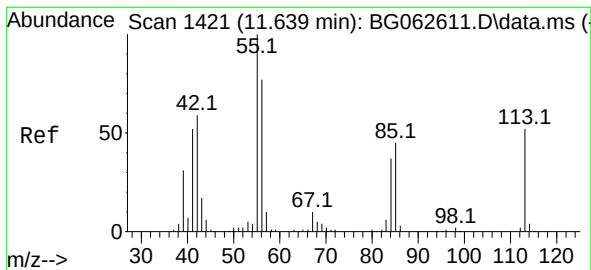
Tgt Ion:	127	Resp:	40201
Ion	Ratio	Lower	Upper
127	100		
129	31.2	27.3	40.9
65	33.6	29.0	43.4
92	19.2	17.0	25.4



#34
Hexachlorobutadiene
Concen: 8.362 ng
RT: 11.055 min Scan# 1322
Delta R.T. 0.003 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:	225	Resp:	24226
Ion	Ratio	Lower	Upper
225	100		
223	59.5	50.1	75.1
227	66.4	48.9	73.3





#35

Caprolactam

Concen: 8.479 ng

RT: 11.613 min Scan# 1417

Delta R.T. -0.026 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

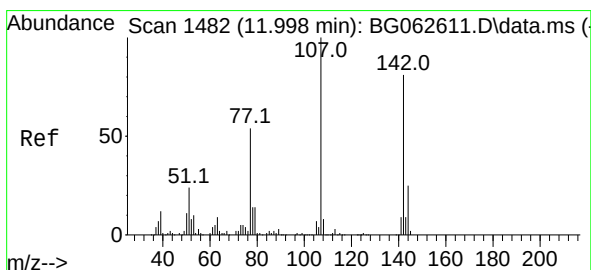
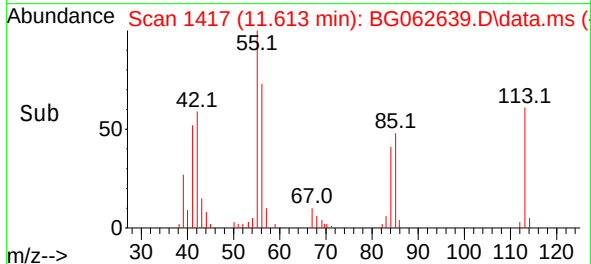
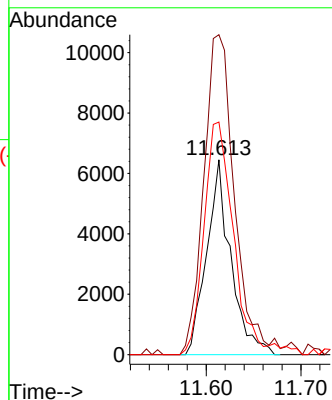
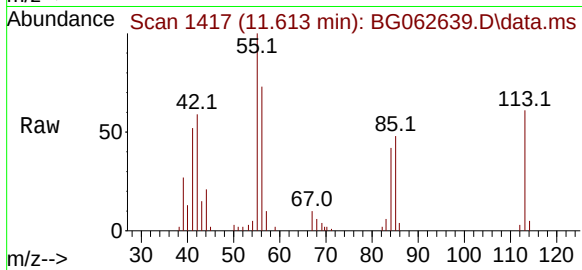
Tgt Ion:113 Resp: 11437

Ion Ratio Lower Upper

113 100

55 164.2 174.1 214.1#

56 119.4 129.8 169.8#



#36

4-Chloro-3-methylphenol

Concen: 7.735 ng

RT: 11.989 min Scan# 1481

Delta R.T. -0.008 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

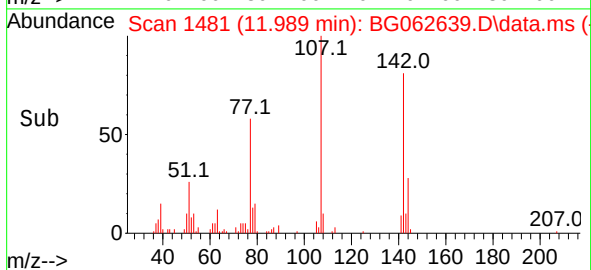
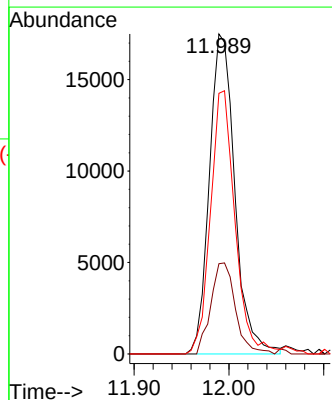
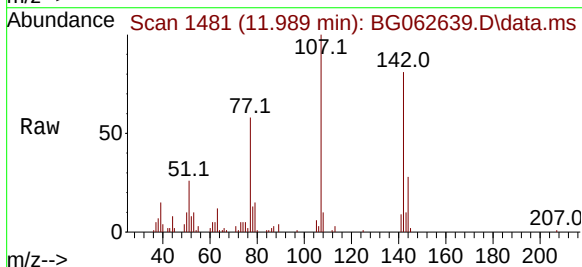
Tgt Ion:107 Resp: 32645

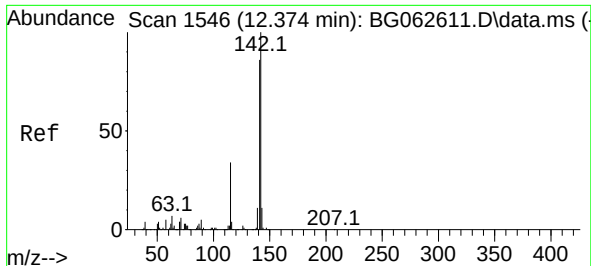
Ion Ratio Lower Upper

107 100

144 28.2 19.8 29.8

142 81.5 64.7 97.1

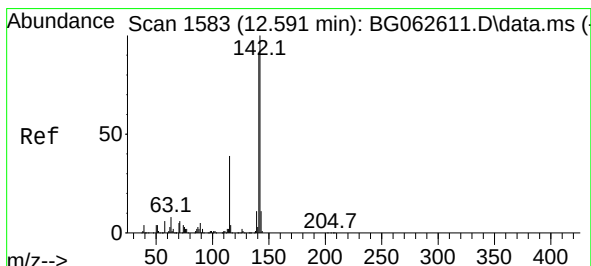
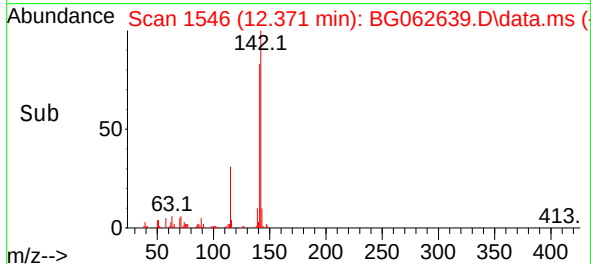
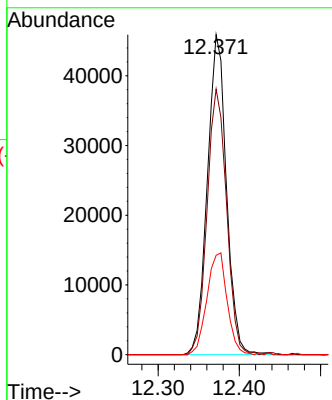
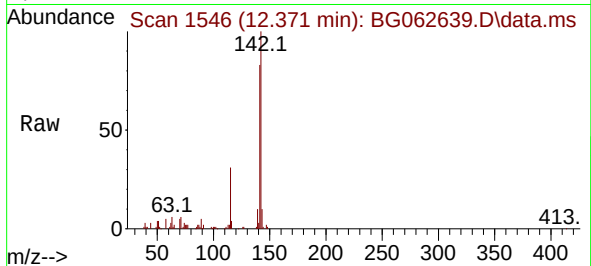




#37
2-Methylnaphthalene
Concen: 8.489 ng
RT: 12.371 min Scan# 1546
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

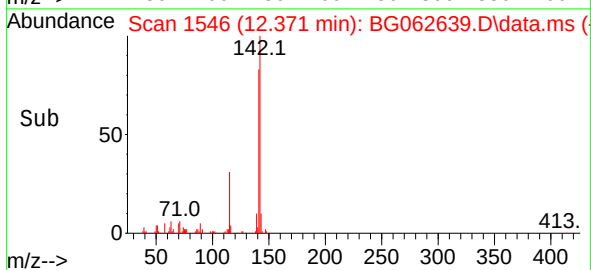
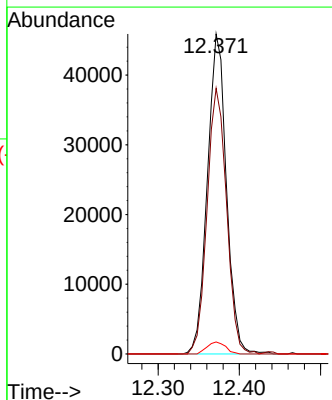
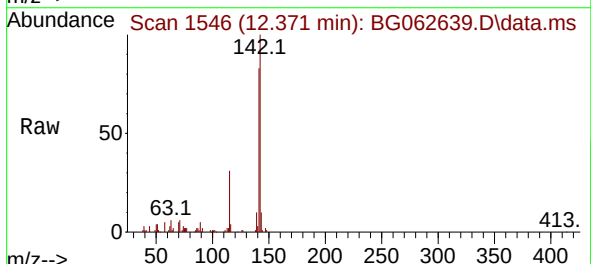
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

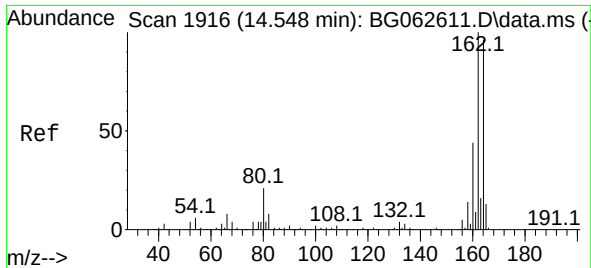
Tgt Ion:142 Resp: 74720
Ion Ratio Lower Upper
142 100
141 83.0 68.9 103.3
115 31.0 27.5 41.3



#38
1-Methylnaphthalene
Concen: 8.454 ng
RT: 12.371 min Scan# 1546
Delta R.T. -0.220 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:142 Resp: 74720
Ion Ratio Lower Upper
142 100
141 83.0 73.0 109.4
116 3.7 3.2 4.8

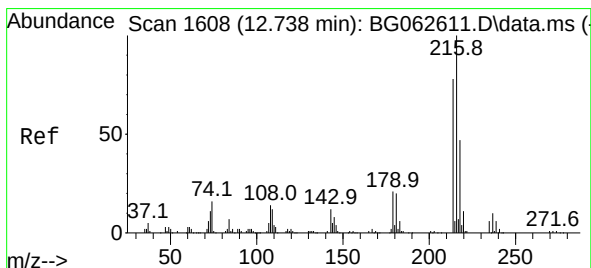
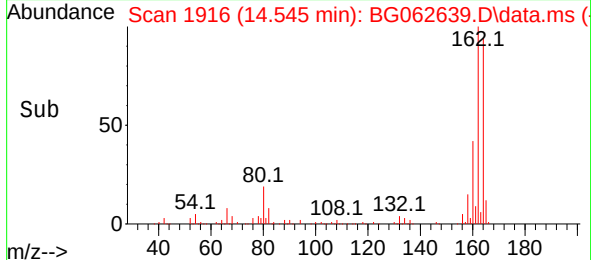
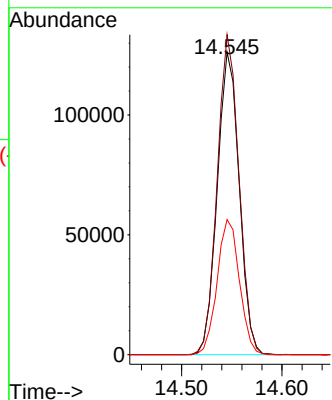
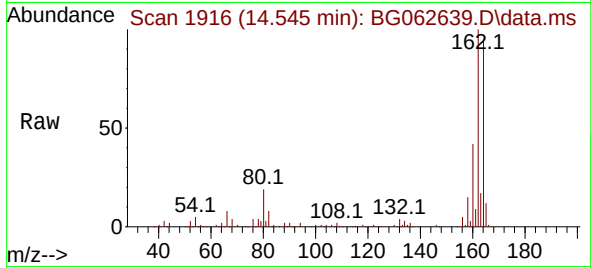




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1916
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

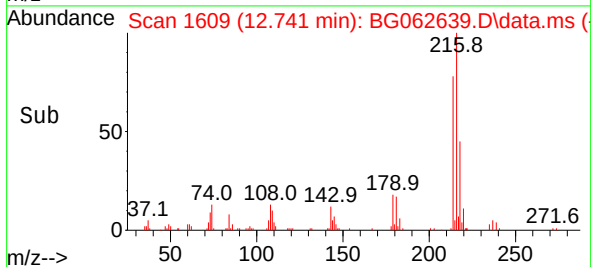
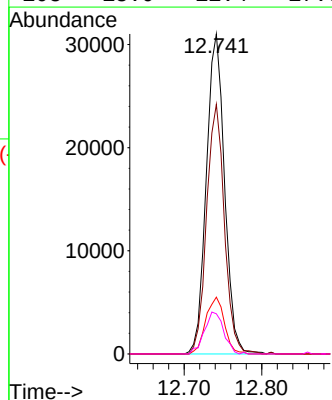
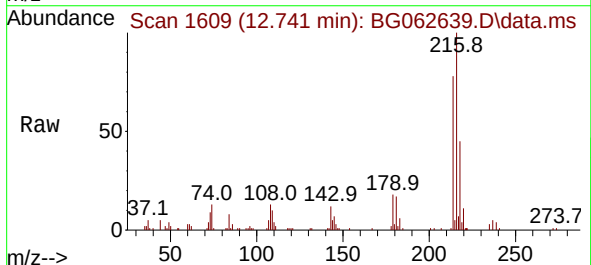
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

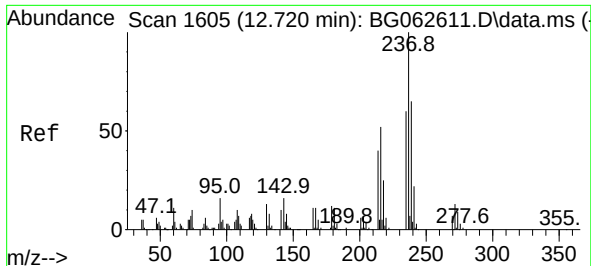
Tgt Ion:164 Resp: 191684
Ion Ratio Lower Upper
164 100
162 105.8 83.1 124.7
160 44.7 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.792 ng
RT: 12.741 min Scan# 1609
Delta R.T. 0.003 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:216 Resp: 50684
Ion Ratio Lower Upper
216 100
214 76.0 61.6 92.4
179 18.2 15.9 23.9
108 13.9 11.4 17.0

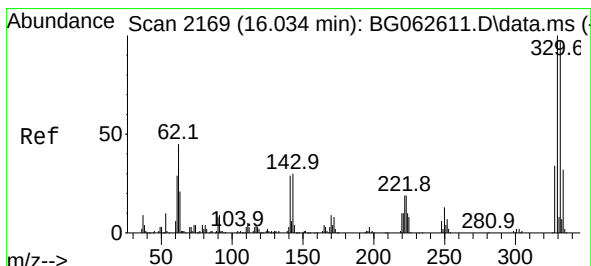
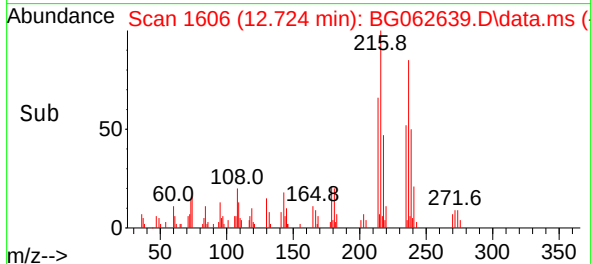
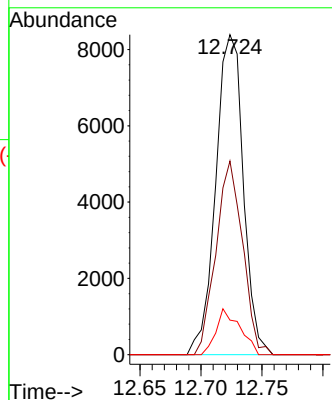
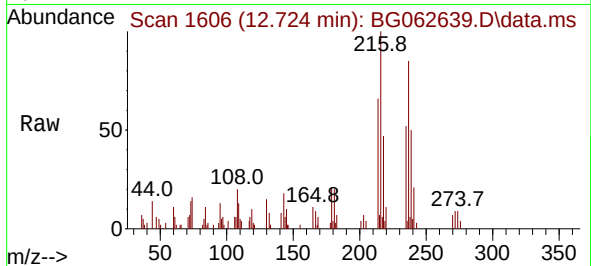




#41
Hexachlorocyclopentadiene
Concen: 8.030 ng
RT: 12.724 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

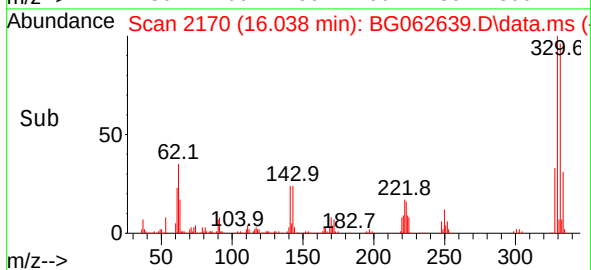
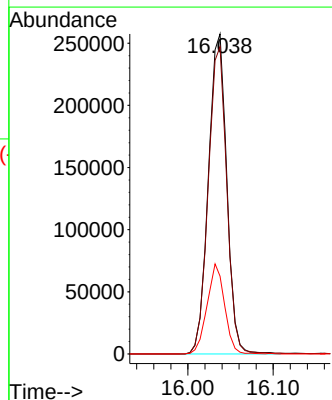
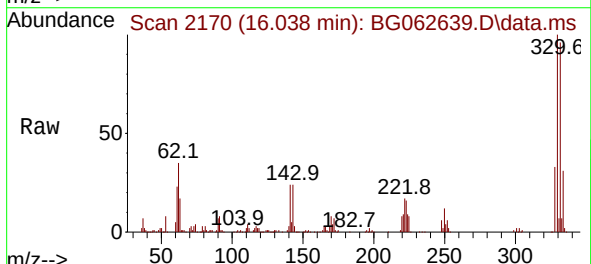
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

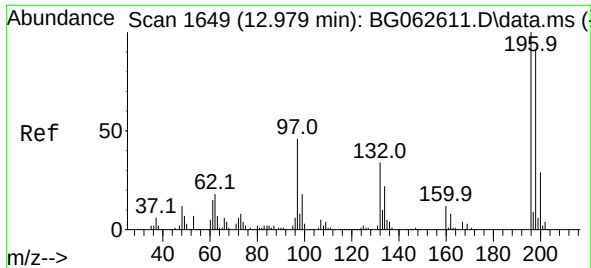
Tgt Ion:237 Resp: 13207
Ion Ratio Lower Upper
237 100
235 60.5 40.4 80.4
272 10.8 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 143.259 ng
RT: 16.038 min Scan# 2170
Delta R.T. 0.004 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:330 Resp: 386456
Ion Ratio Lower Upper
330 100
332 96.8 77.2 115.8
141 26.8 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 8.251 ng

RT: 12.977 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062639.D

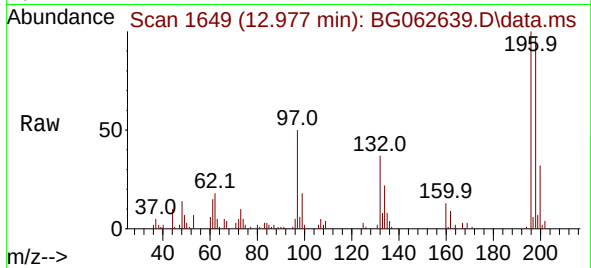
Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



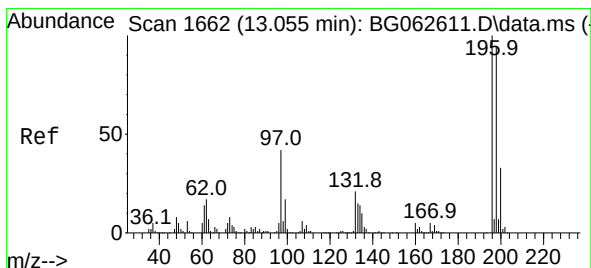
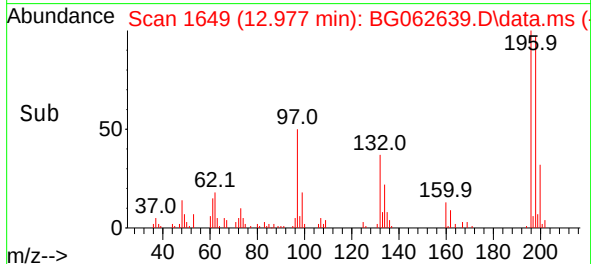
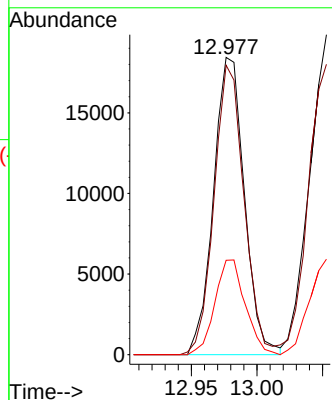
Tgt Ion:196 Resp: 30152

Ion Ratio Lower Upper

196 100

198 97.4 72.8 109.2

200 33.8 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 7.892 ng

RT: 13.053 min Scan# 1662

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Tgt Ion:196 Resp: 32659

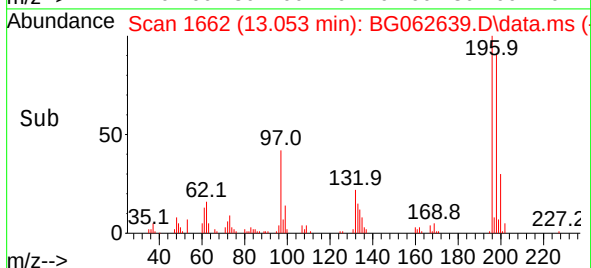
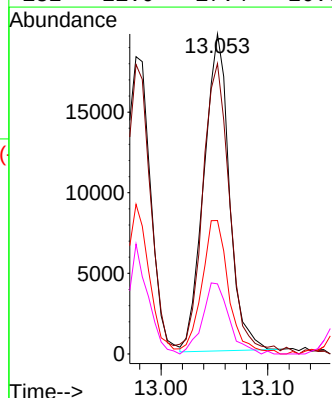
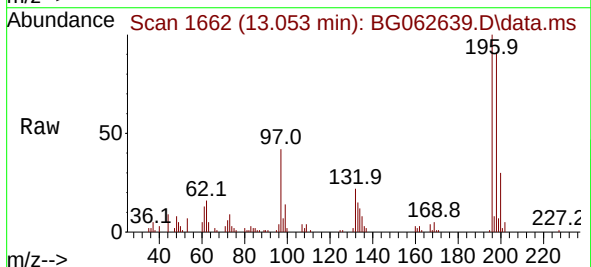
Ion Ratio Lower Upper

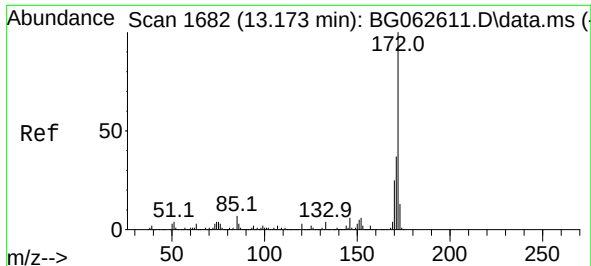
196 100

198 90.8 75.5 113.3

97 41.7 34.1 51.1

132 21.9 17.4 26.0





#45

2-Fluorobiphenyl

Concen: 90.066 ng

RT: 13.170 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

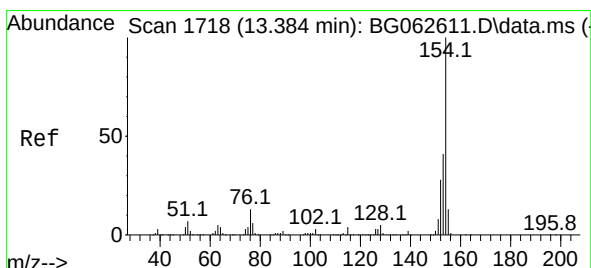
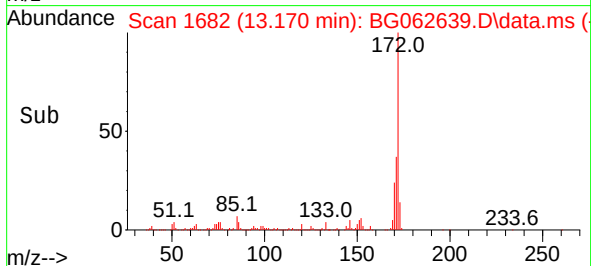
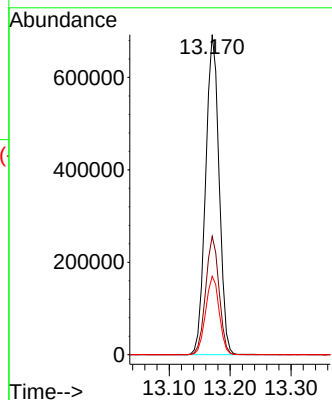
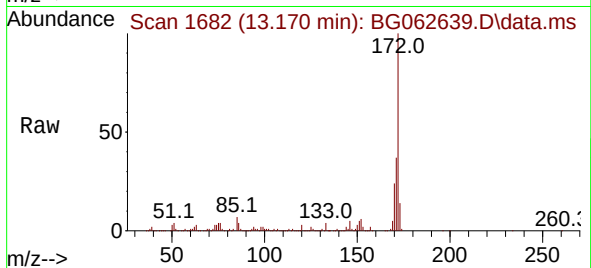
Tgt Ion:172 Resp: 1065832

Ion Ratio Lower Upper

172 100

171 37.0 29.7 44.5

170 24.5 20.0 30.0



#46

1,1'-Biphenyl

Concen: 8.569 ng

RT: 13.382 min Scan# 1718

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

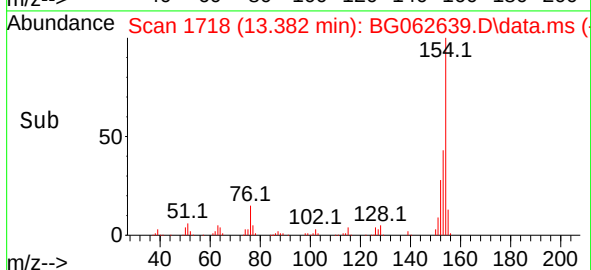
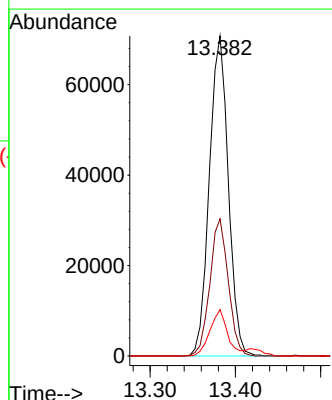
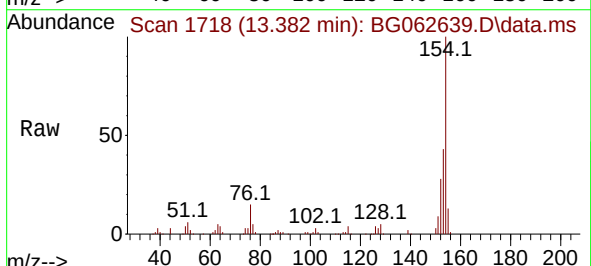
Tgt Ion:154 Resp: 109586

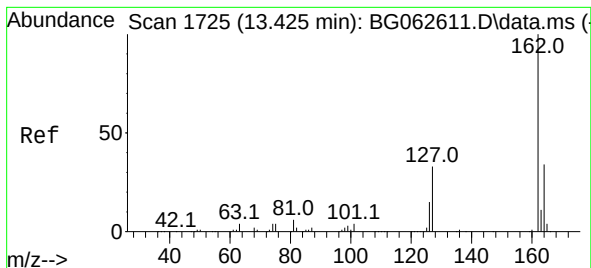
Ion Ratio Lower Upper

154 100

153 42.9 20.8 60.8

76 14.5 0.0 33.4

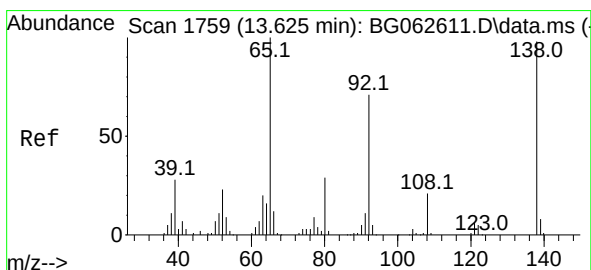
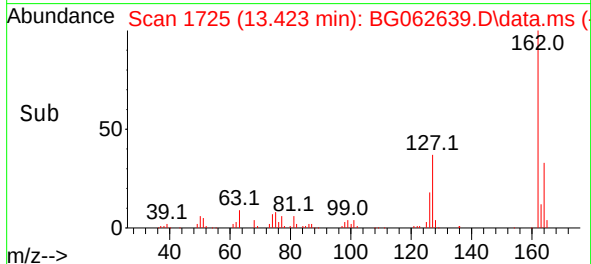
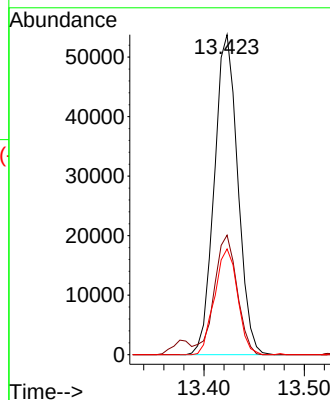
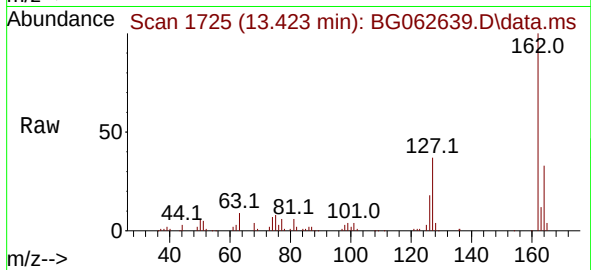




#47
2-Chloronaphthalene
Concen: 8.407 ng
RT: 13.423 min Scan# 1725
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

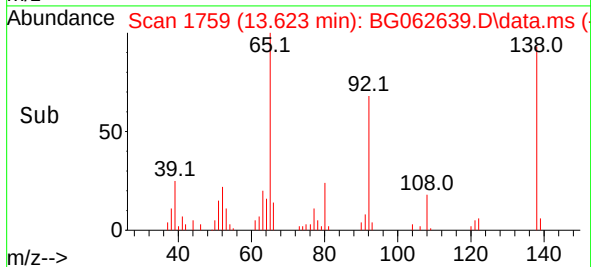
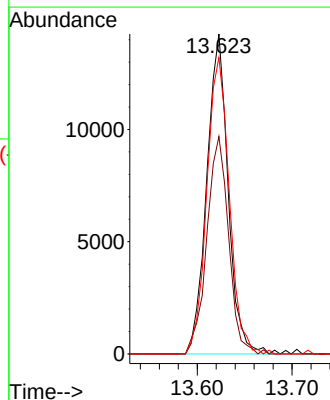
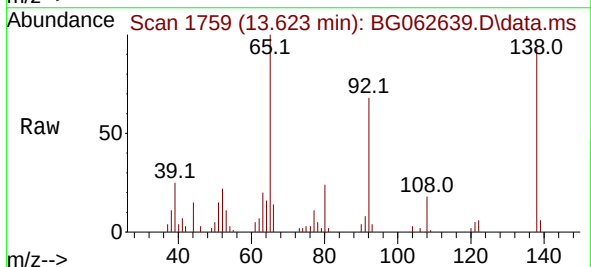
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

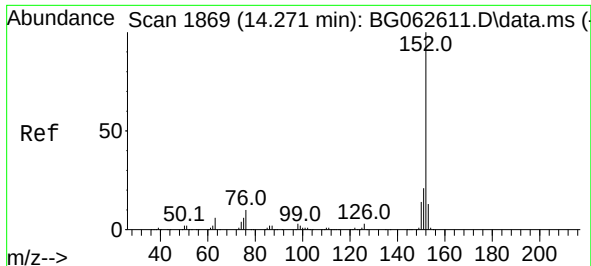
Tgt Ion:162 Resp: 87136
Ion Ratio Lower Upper
162 100
127 37.3 28.7 43.1
164 33.0 26.9 40.3



#48
2-Nitroaniline
Concen: 8.180 ng
RT: 13.623 min Scan# 1759
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion: 65 Resp: 22299
Ion Ratio Lower Upper
65 100
92 67.9 56.6 84.8
138 92.6 78.7 118.1





#49

Acenaphthylene

Concen: 9.081 ng

RT: 14.269 min Scan# 1869

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

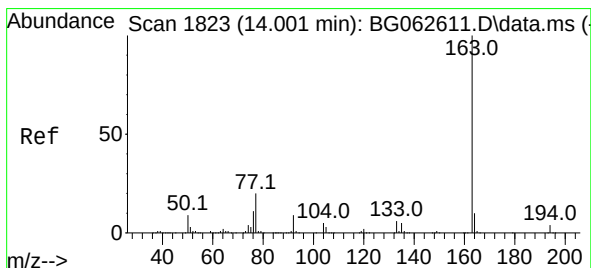
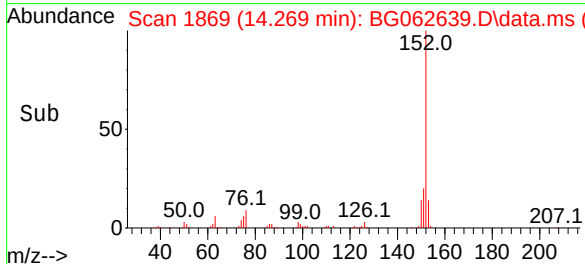
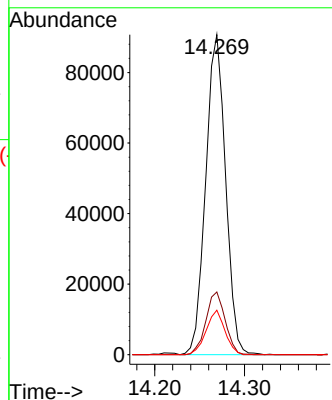
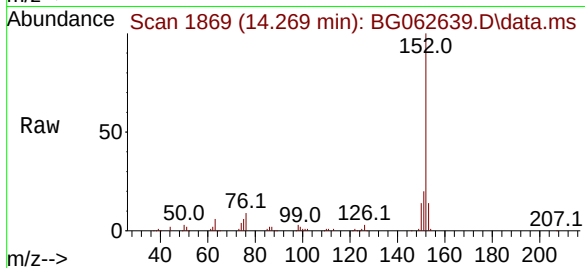
Tgt Ion:152 Resp: 139378

Ion Ratio Lower Upper

152 100

151 19.6 16.6 24.8

153 13.9 10.2 15.4



#50

Dimethylphthalate

Concen: 8.593 ng

RT: 13.999 min Scan# 1823

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

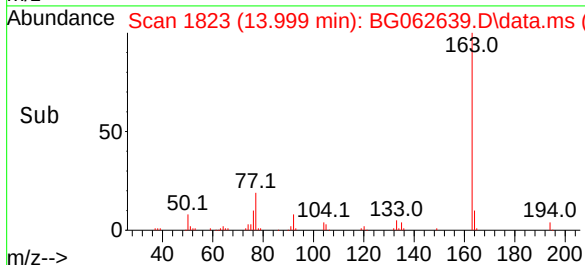
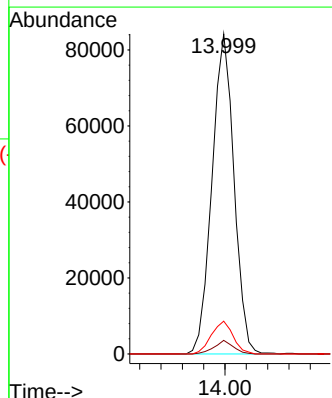
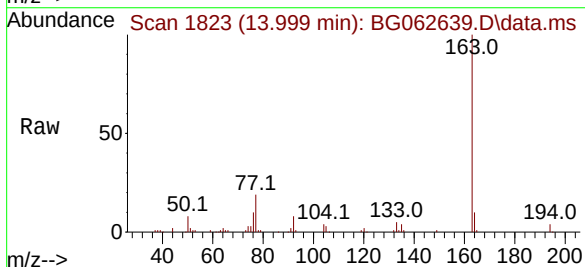
Tgt Ion:163 Resp: 120441

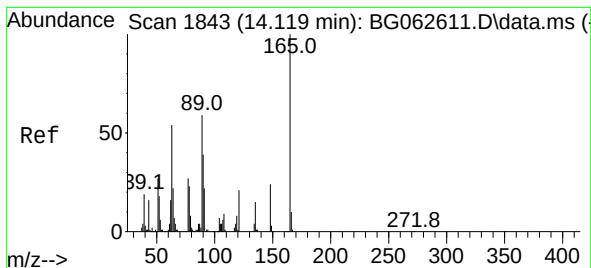
Ion Ratio Lower Upper

163 100

194 4.3 2.9 4.3

164 10.2 8.3 12.5

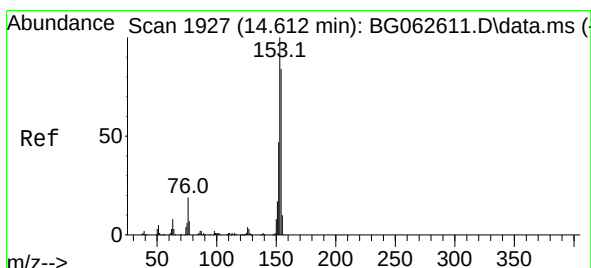
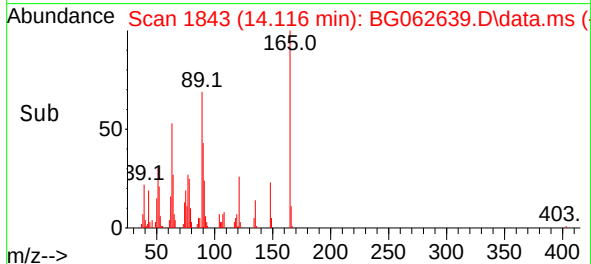
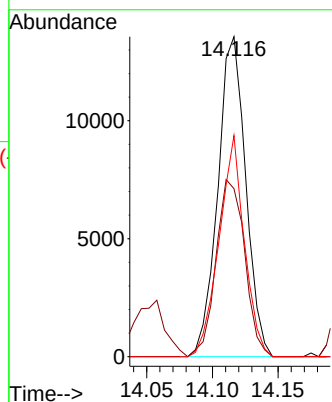
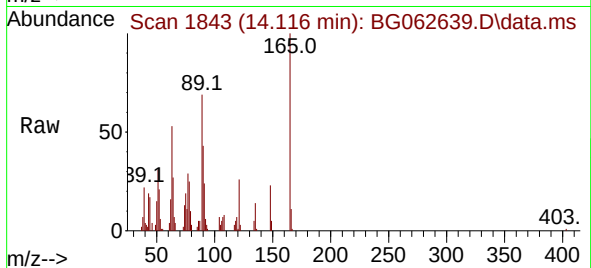




#51
2,6-Dinitrotoluene
Concen: 7.556 ng
RT: 14.116 min Scan# 1843
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

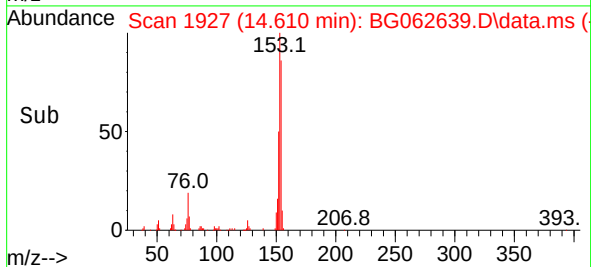
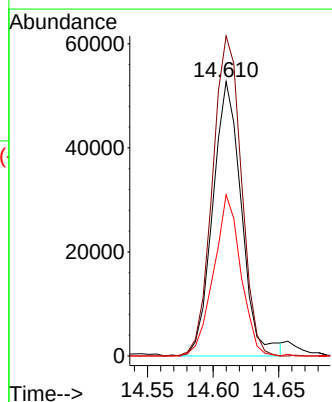
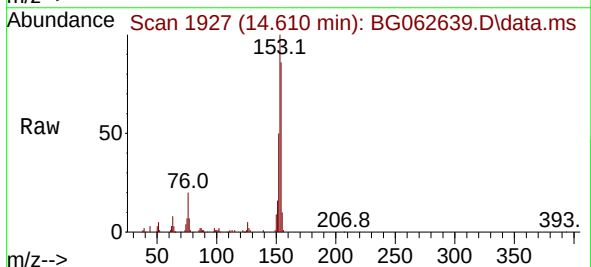
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

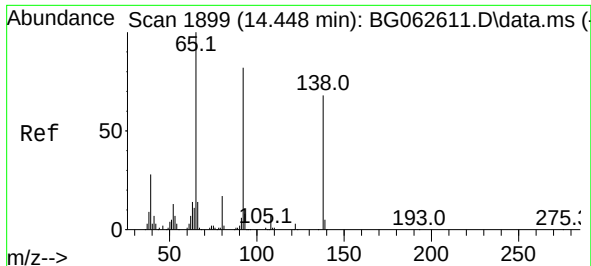
Tgt Ion:165 Resp: 20033
Ion Ratio Lower Upper
165 100
63 52.5 46.6 69.8
89 69.1 47.2 70.8



#52
Acenaphthene
Concen: 8.350 ng
RT: 14.610 min Scan# 1927
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:154 Resp: 80116
Ion Ratio Lower Upper
154 100
153 116.6 95.0 142.4
152 58.7 45.0 67.6

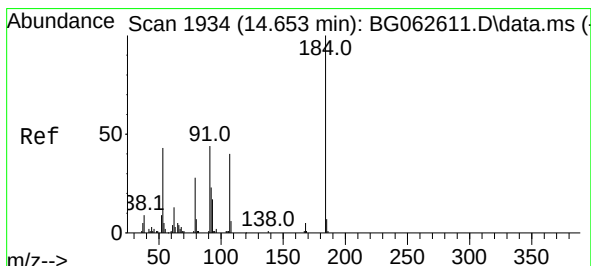
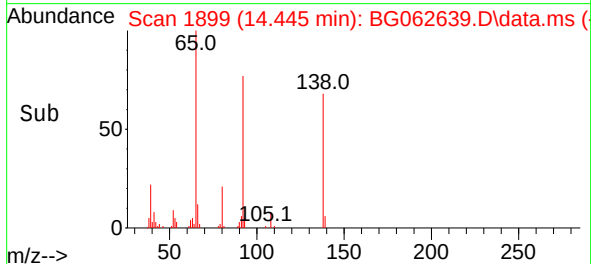
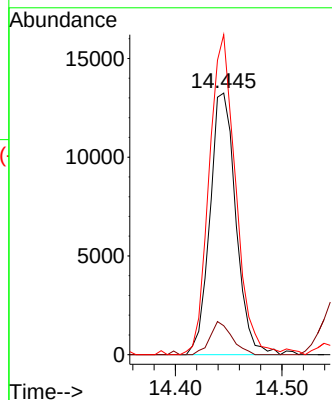
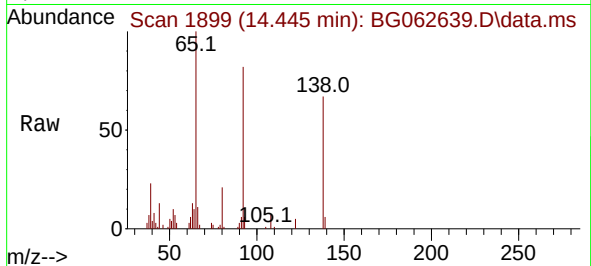




#53
3-Nitroaniline
Concen: 8.708 ng
RT: 14.445 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

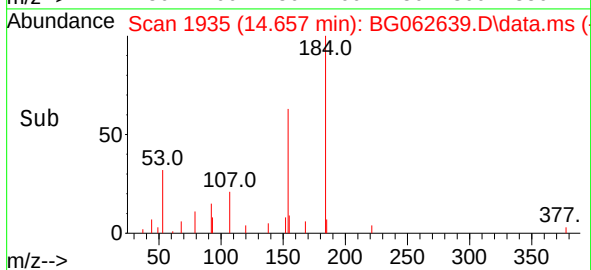
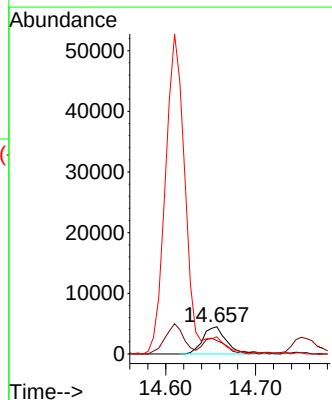
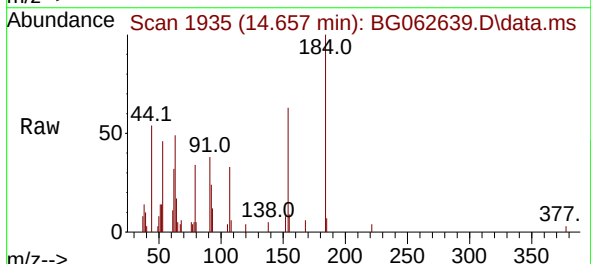
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

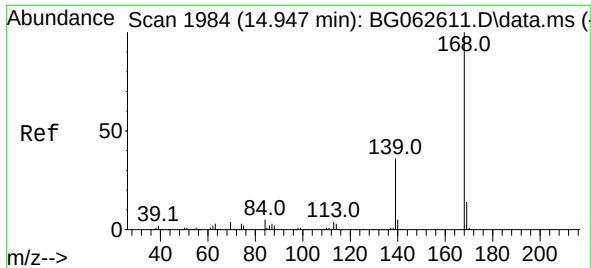
Tgt Ion:138 Resp: 22338
Ion Ratio Lower Upper
138 100
108 11.1 8.6 13.0
92 122.3 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 5.613 ng
RT: 14.657 min Scan# 1935
Delta R.T. 0.004 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:184 Resp: 8351
Ion Ratio Lower Upper
184 100
63 48.9 49.0 73.4#
154 62.9 50.5 75.7

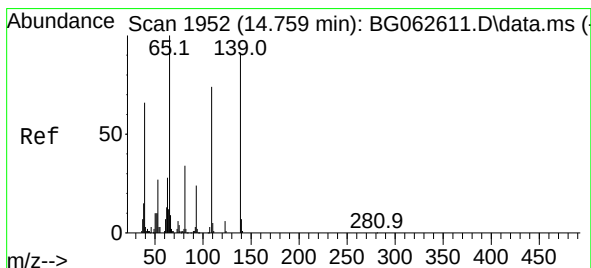
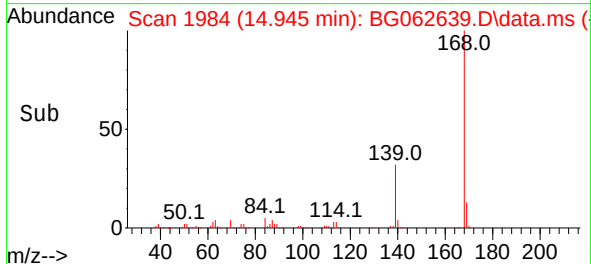
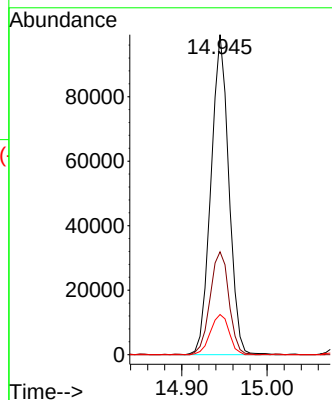
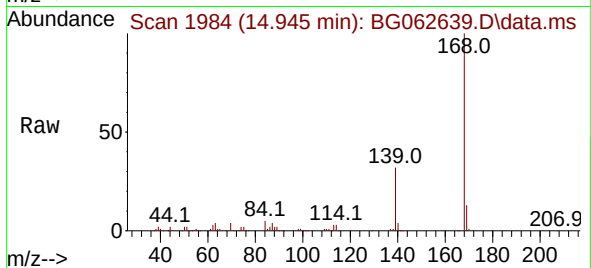




#55
Dibenzofuran
Concen: 8.764 ng
RT: 14.945 min Scan# 1984
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

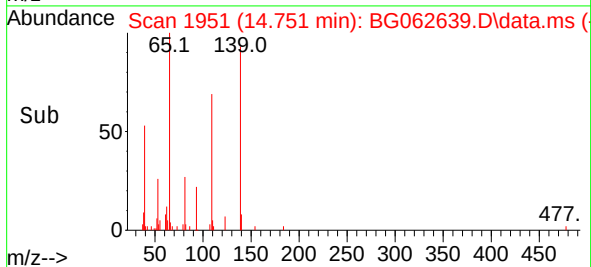
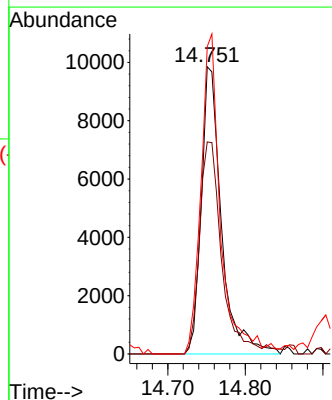
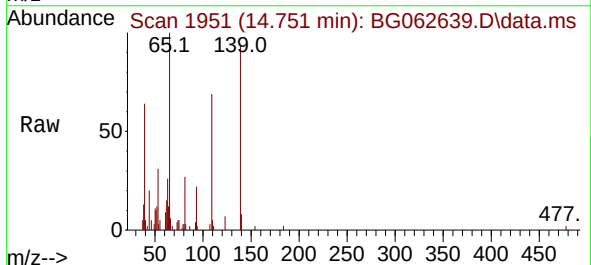
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

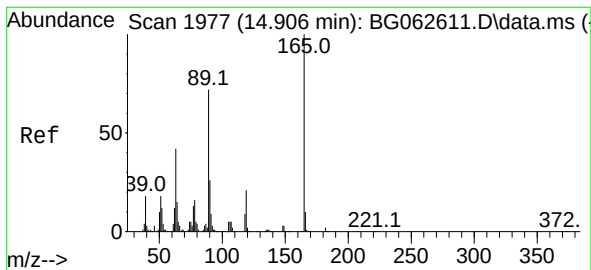
Tgt Ion:168 Resp: 144203
Ion Ratio Lower Upper
168 100
139 32.2 28.6 42.8
169 12.6 11.0 16.6



#56
4-Nitrophenol
Concen: 8.199 ng
RT: 14.751 min Scan# 1951
Delta R.T. -0.008 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:139 Resp: 17824
Ion Ratio Lower Upper
139 100
109 73.8 61.2 101.2
65 107.0 90.2 130.2

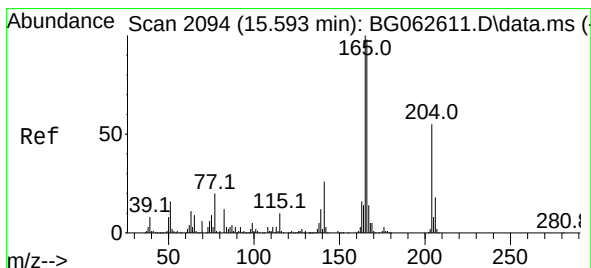
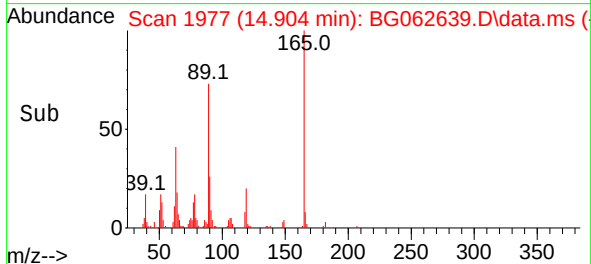
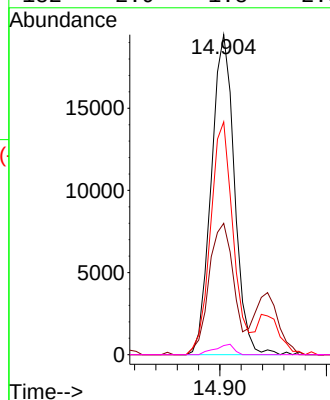
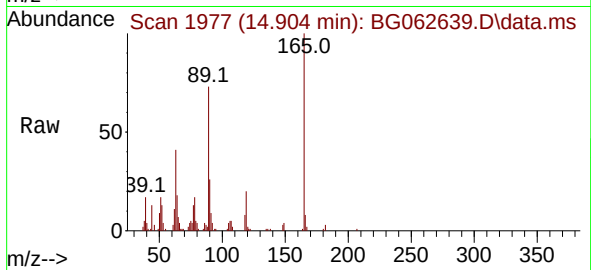




#57
2,4-Dinitrotoluene
Concen: 8.121 ng
RT: 14.904 min Scan# 1977
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

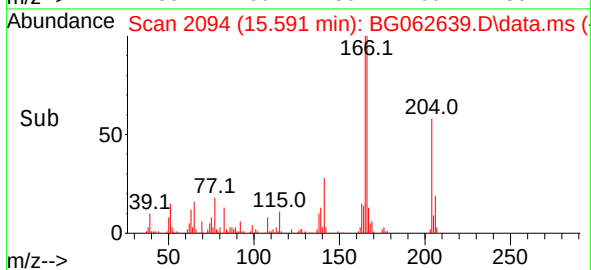
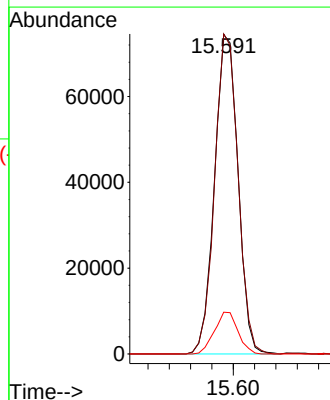
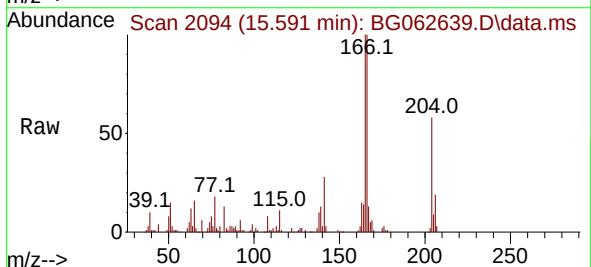
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

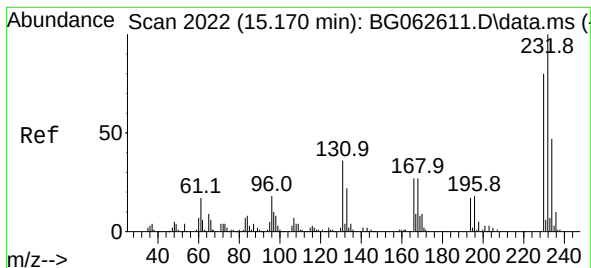
Tgt Ion:165	Resp:	29375	
Ion	Ratio	Lower	Upper
165	100		
63	41.0	33.8	50.6
89	72.7	57.9	86.9
182	2.9	1.8	2.8#



#58
Fluorene
Concen: 8.795 ng
RT: 15.591 min Scan# 2094
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt	Ion:166	Resp:	113571
Ion	Ratio	Lower	Upper
166	100		
165	100.2	82.0	123.0
167	13.1	11.3	16.9

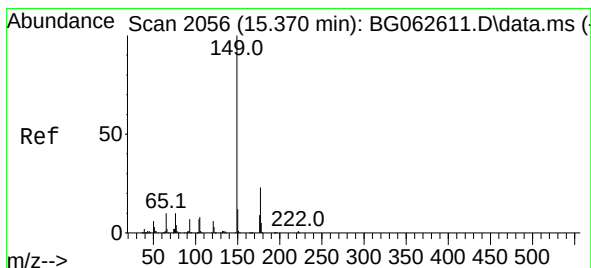
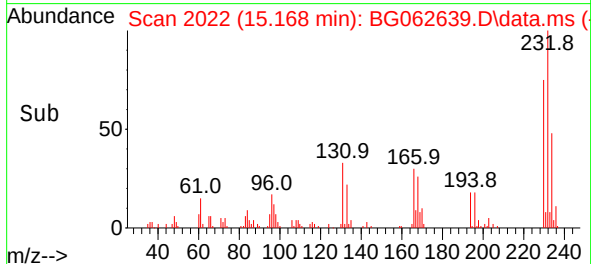
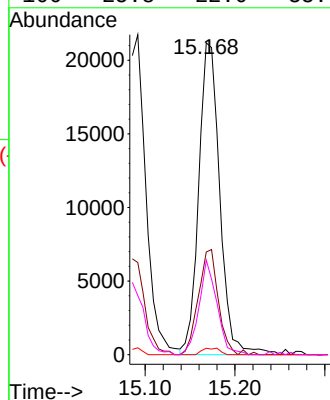
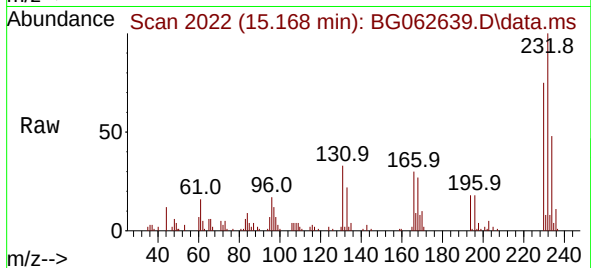




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.803 ng
RT: 15.168 min Scan# 2022
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

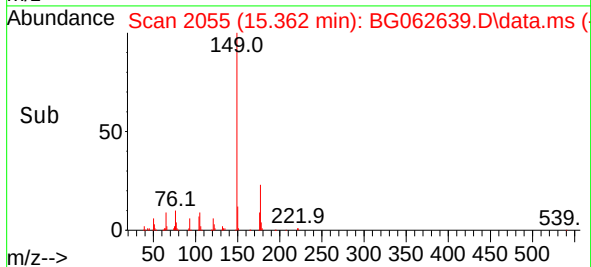
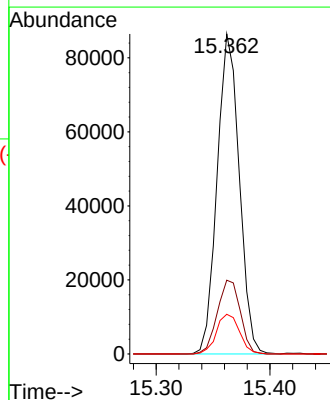
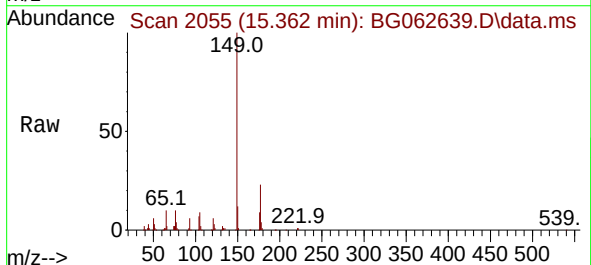
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

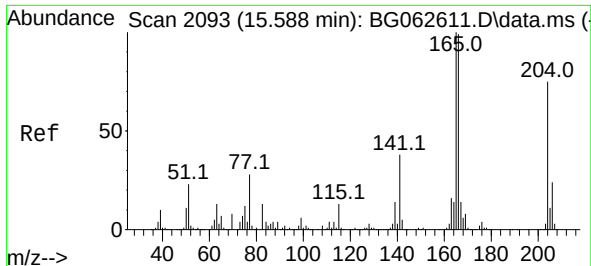
Tgt Ion:232 Resp: 34513
Ion Ratio Lower Upper
232 100
131 31.7 28.3 42.5
130 1.7 1.7 2.5
166 25.8 22.0 33.0



#60
Diethylphthalate
Concen: 8.421 ng
RT: 15.362 min Scan# 2055
Delta R.T. -0.008 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:149 Resp: 116990
Ion Ratio Lower Upper
149 100
177 23.1 18.0 27.0
150 12.4 9.8 14.8

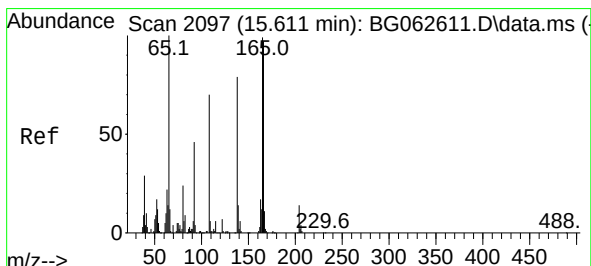
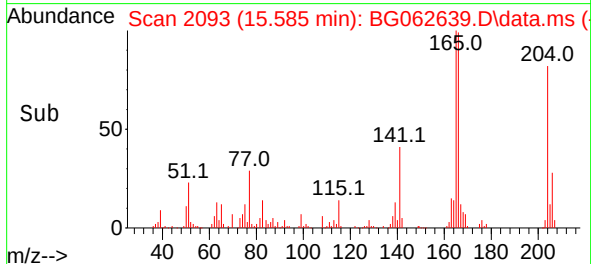
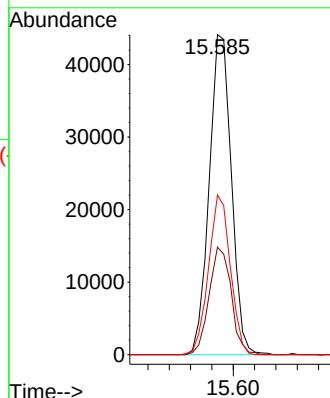
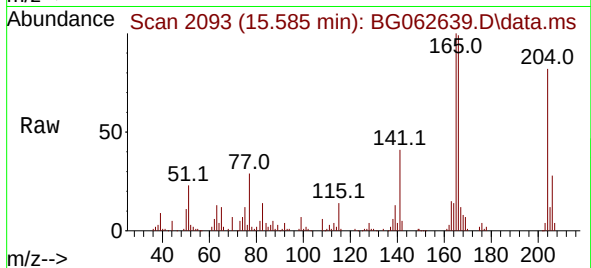




#61
4-Chlorophenyl-phenylether
Concen: 8.584 ng
RT: 15.585 min Scan# 2093
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

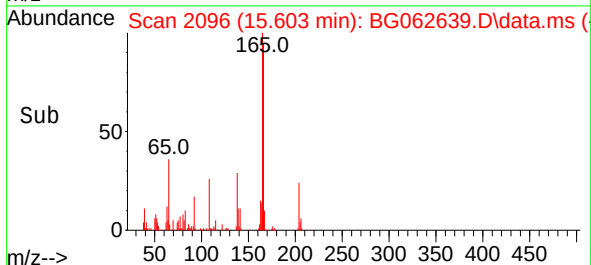
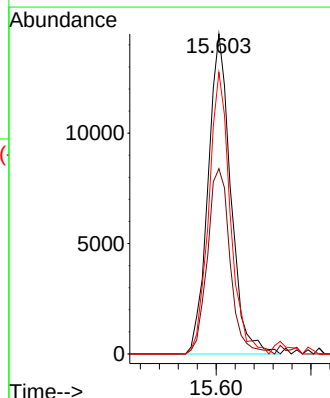
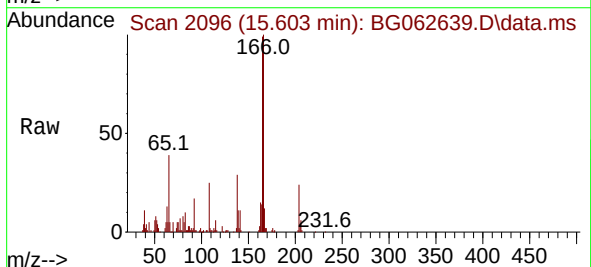
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

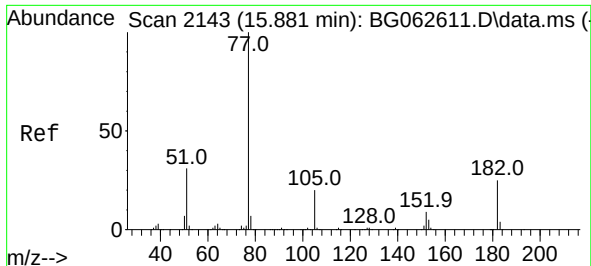
Tgt Ion:204 Resp: 63632
Ion Ratio Lower Upper
204 100
206 33.6 25.9 38.9
141 49.9 41.0 61.6



#62
4-Nitroaniline
Concen: 8.531 ng
RT: 15.603 min Scan# 2096
Delta R.T. -0.008 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:138 Resp: 24131
Ion Ratio Lower Upper
138 100
92 57.9 38.4 78.4
108 88.0 69.0 109.0

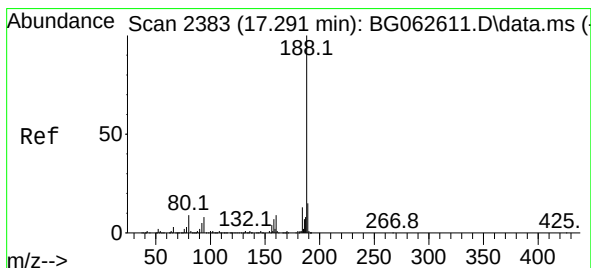
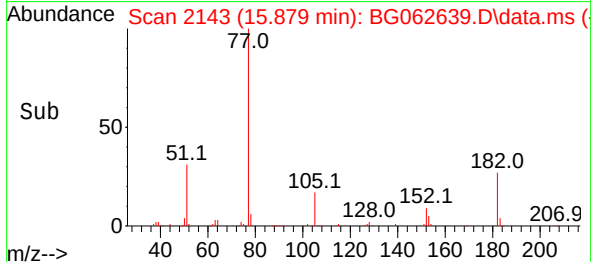
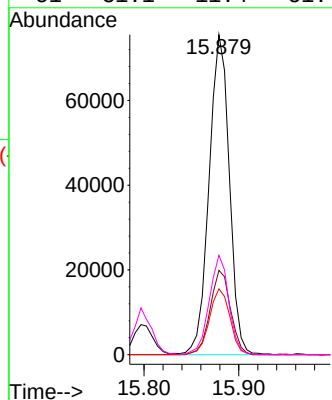
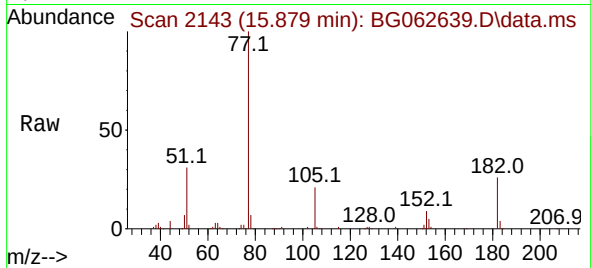




#63
Azobenzene
Concen: 8.593 ng
RT: 15.879 min Scan# 2143
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

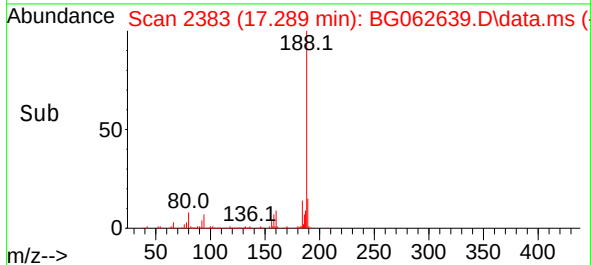
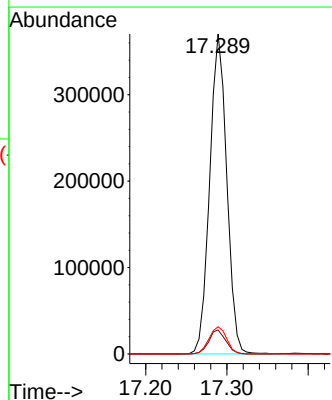
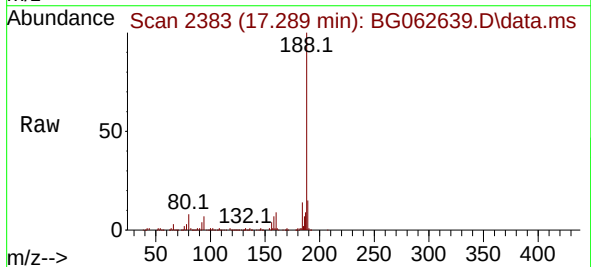
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

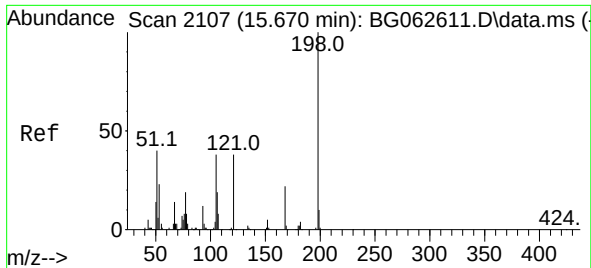
Tgt Ion: 77 Resp: 112089
Ion Ratio Lower Upper
77 100
182 26.3 5.0 45.0
105 20.6 0.5 40.5
51 31.1 11.4 51.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.289 min Scan# 2383
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion: 188 Resp: 539536
Ion Ratio Lower Upper
188 100
94 7.5 6.3 9.5
80 8.5 7.0 10.4





#65

4,6-Dinitro-2-methylphenol

Concen: 6.919 ng

RT: 15.667 min Scan# 2107

Delta R.T. -0.003 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

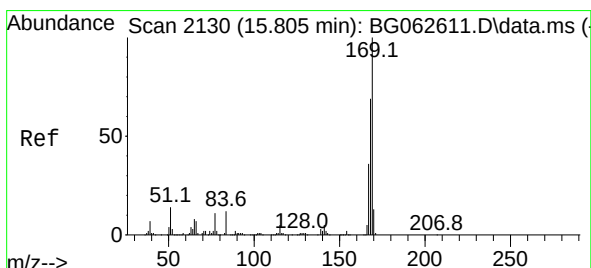
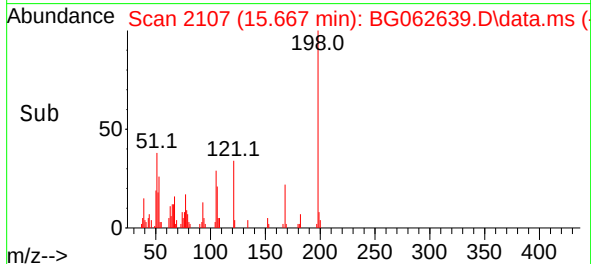
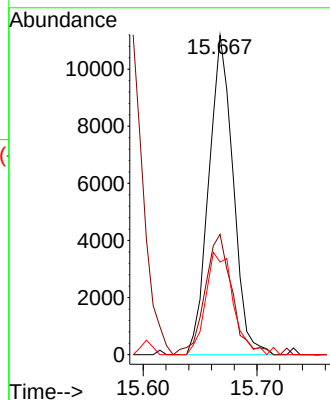
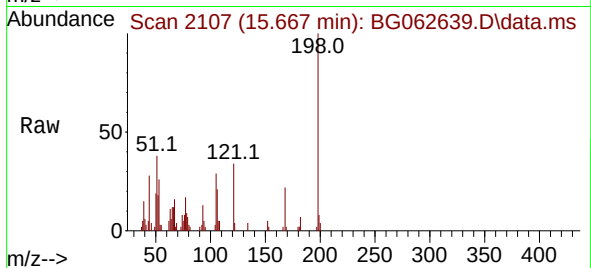
Tgt Ion:198 Resp: 16659

Ion Ratio Lower Upper

198 100

51 37.7 25.1 65.1

105 29.0 18.3 58.3



#66

n-Nitrosodiphenylamine

Concen: 7.963 ng

RT: 15.803 min Scan# 2130

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

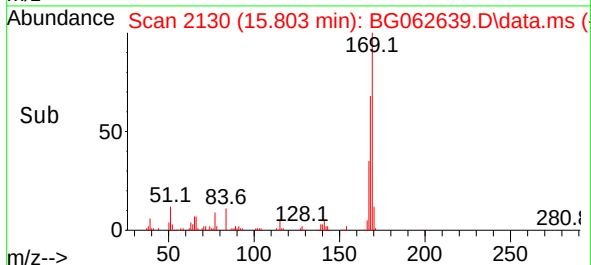
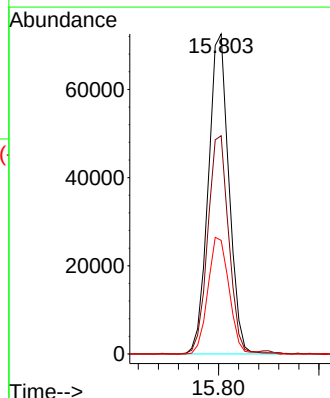
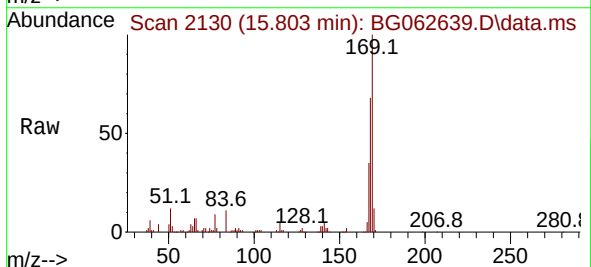
Tgt Ion:169 Resp: 103295

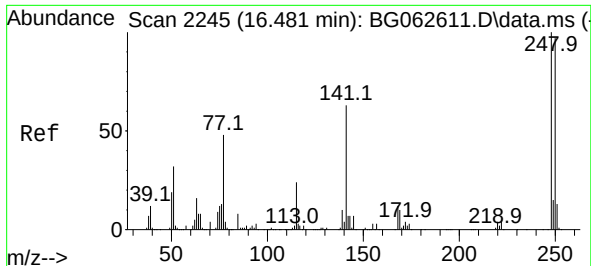
Ion Ratio Lower Upper

169 100

168 68.2 55.4 83.2

167 35.5 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 7.969 ng

RT: 16.478 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

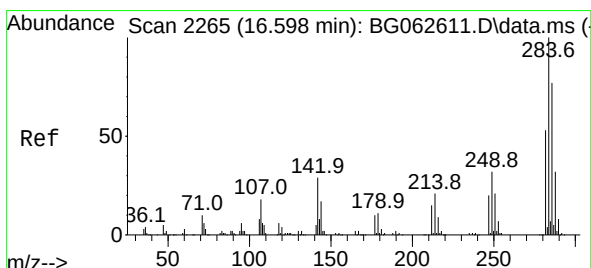
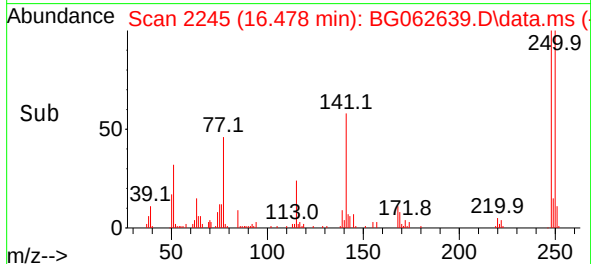
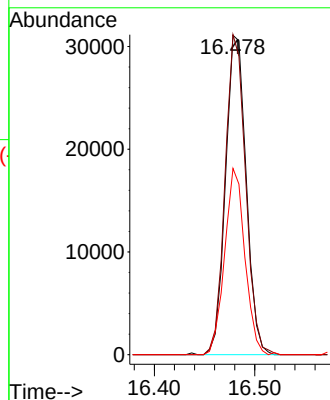
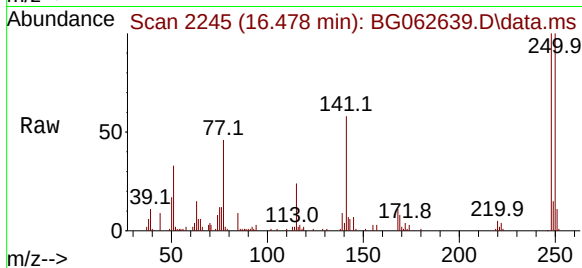
Tgt Ion:248 Resp: 44374

Ion Ratio Lower Upper

248 100

250 100.2 77.9 116.9

141 58.3 50.2 75.2



#68

Hexachlorobenzene

Concen: 8.204 ng

RT: 16.596 min Scan# 2265

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

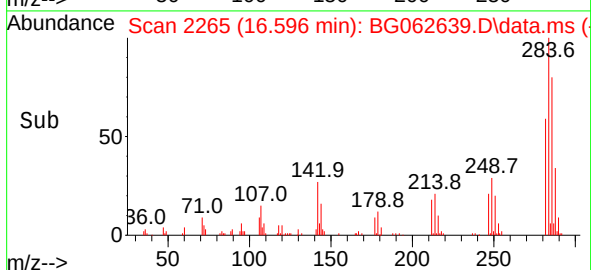
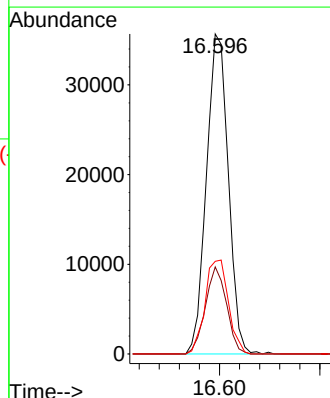
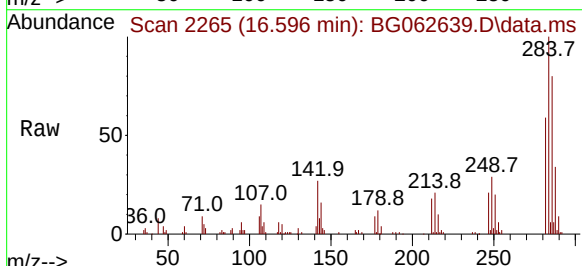
Tgt Ion:284 Resp: 54104

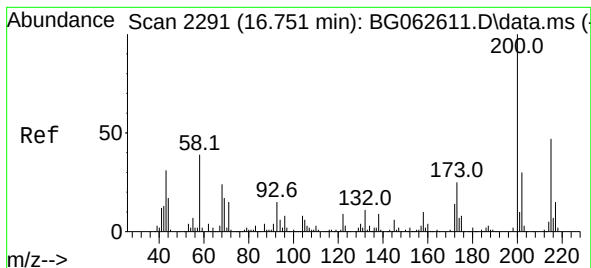
Ion Ratio Lower Upper

284 100

142 27.2 23.5 35.3

249 28.9 25.4 38.0





#69

Atrazine

Concen: 10.688 ng

RT: 16.749 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

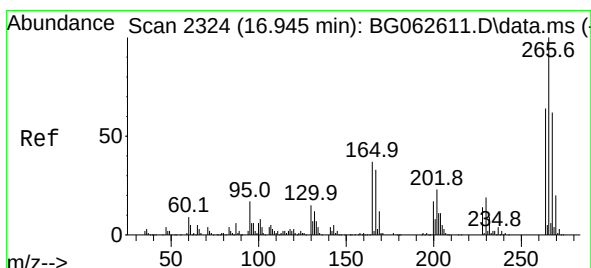
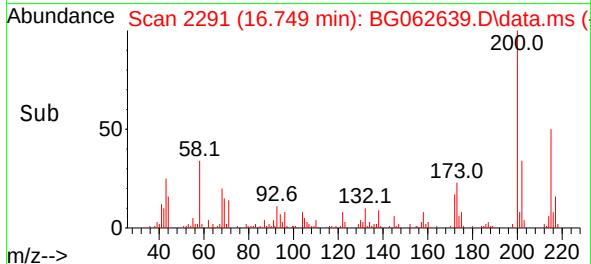
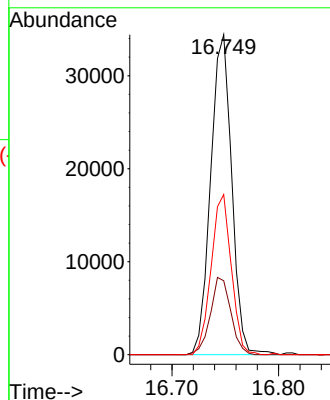
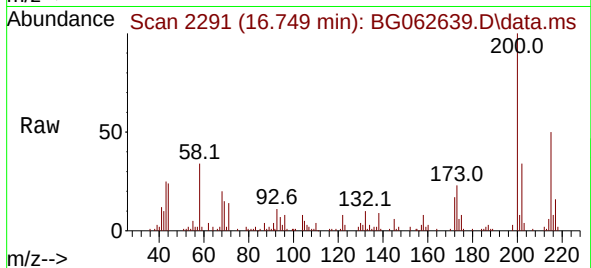
Tgt Ion:200 Resp: 47091

Ion Ratio Lower Upper

200 100

173 23.1 5.2 45.2

215 50.0 27.3 67.3



#70

Pentachlorophenol

Concen: 5.905 ng

RT: 16.942 min Scan# 2324

Delta R.T. -0.003 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

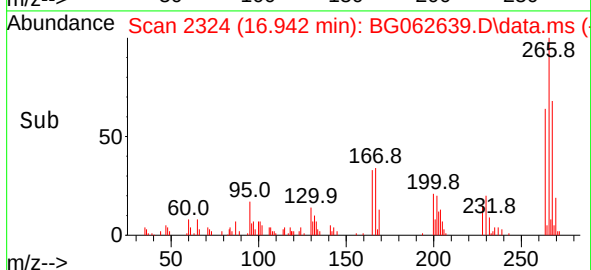
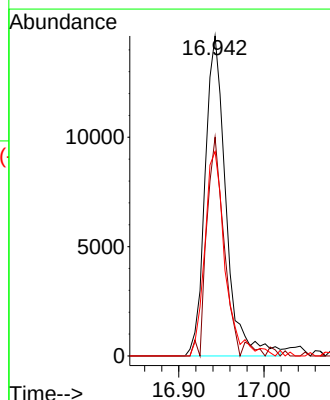
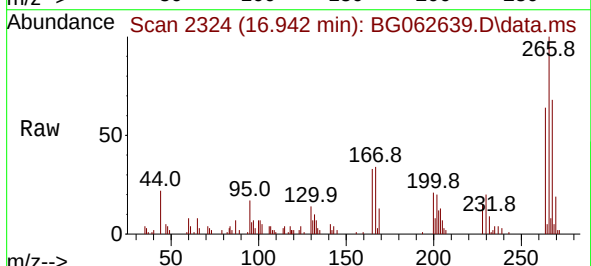
Tgt Ion:266 Resp: 24941

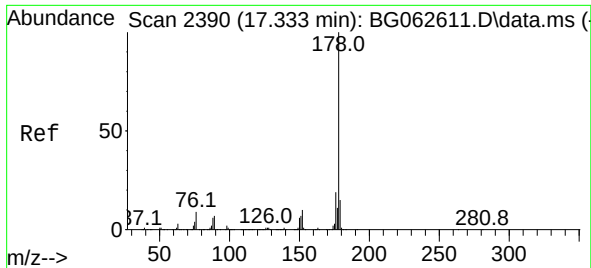
Ion Ratio Lower Upper

266 100

268 73.2 52.6 79.0

264 69.1 51.6 77.4

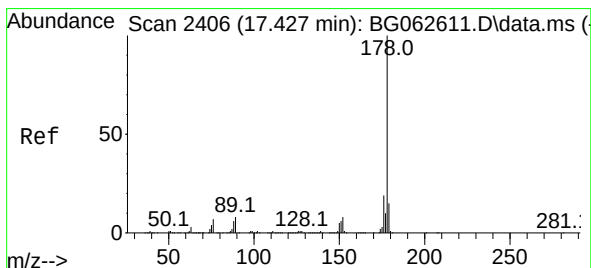
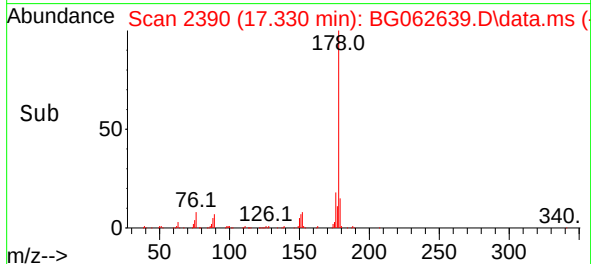
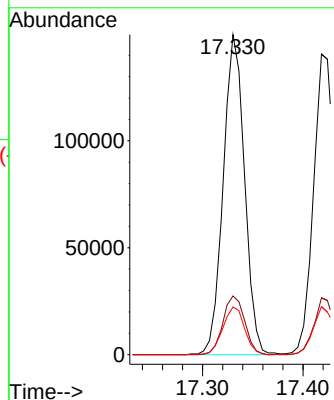
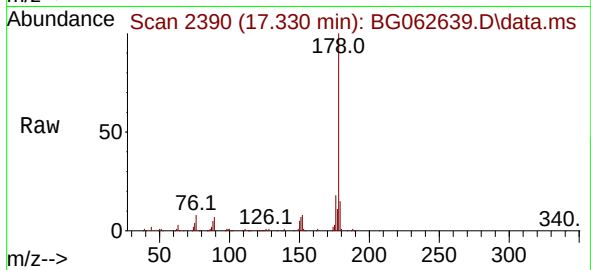




#71
Phenanthrene
Concen: 8.753 ng
RT: 17.330 min Scan# 2405
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

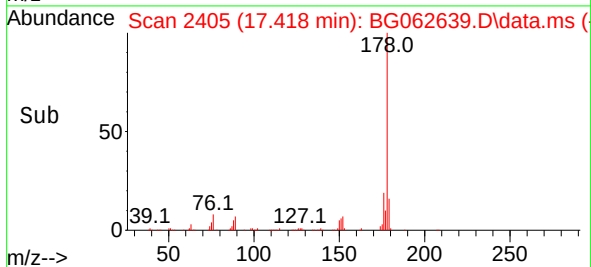
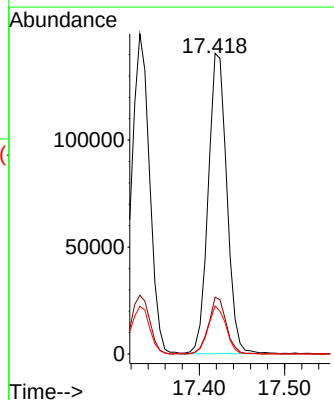
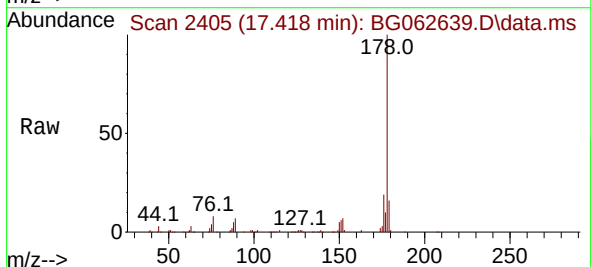
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

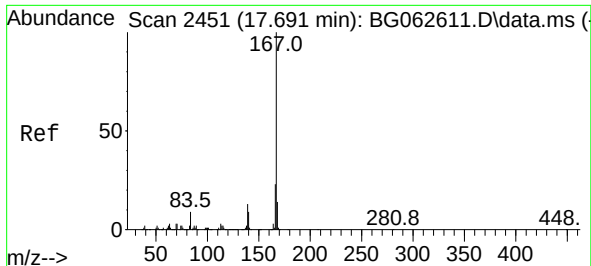
Tgt Ion:178 Resp: 220417
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 14.9 12.2 18.4



#72
Anthracene
Concen: 8.577 ng
RT: 17.418 min Scan# 2405
Delta R.T. -0.008 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:178 Resp: 212362
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 16.0 12.0 18.0

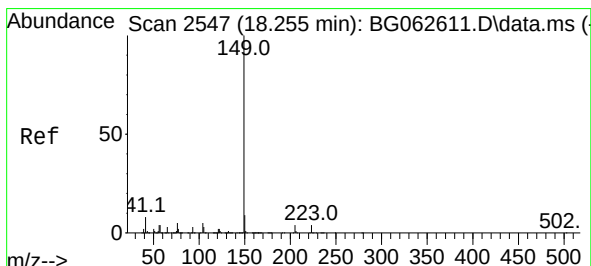
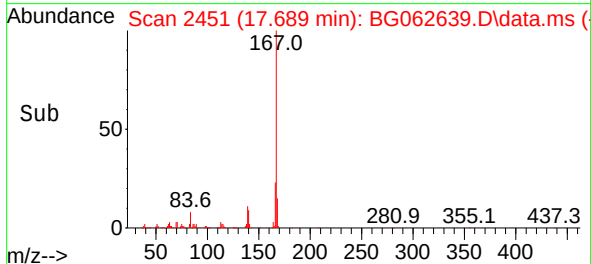
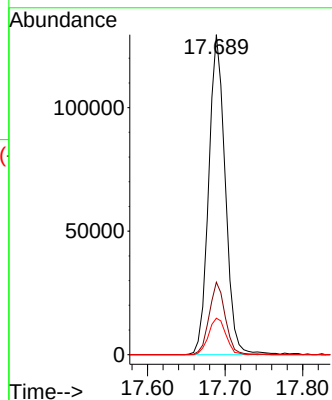
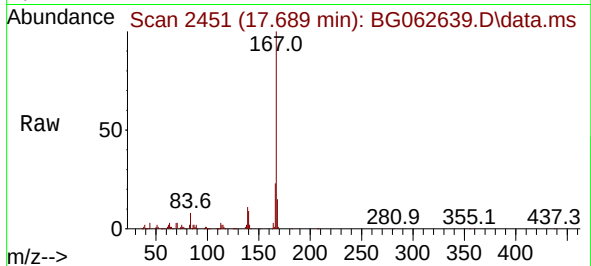




#73
 Carbazole
 Concen: 8.445 ng
 RT: 17.689 min Scan# 2451
 Delta R.T. -0.002 min
 Lab File: BG062639.D
 Acq: 4 Sep 2024 11:45

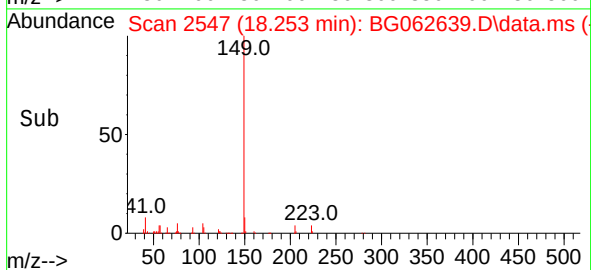
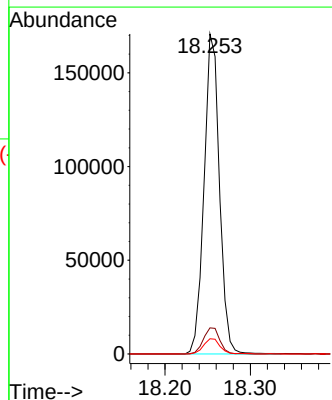
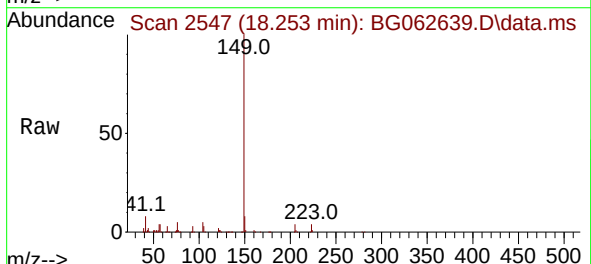
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

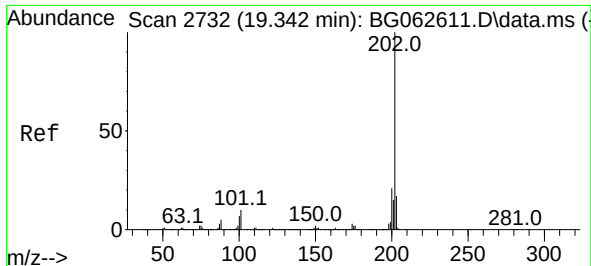
Tgt Ion:167 Resp: 192228
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.2 27.2
 139 11.4 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 8.332 ng
 RT: 18.253 min Scan# 2547
 Delta R.T. -0.002 min
 Lab File: BG062639.D
 Acq: 4 Sep 2024 11:45

Tgt Ion:149 Resp: 213874
 Ion Ratio Lower Upper
 149 100
 150 8.1 7.3 10.9
 104 4.8 4.2 6.2

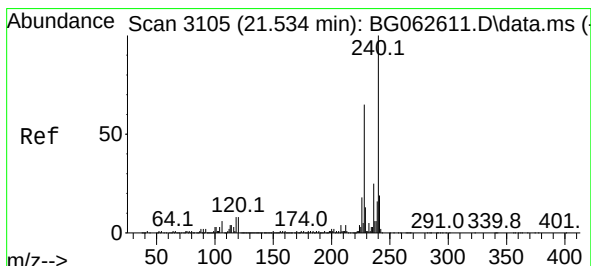
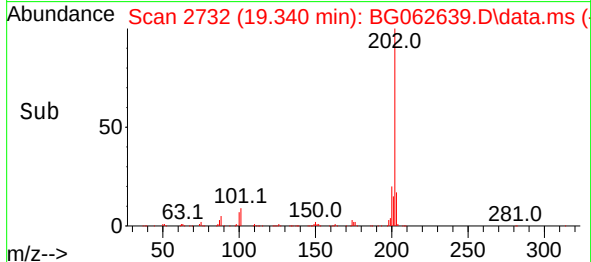
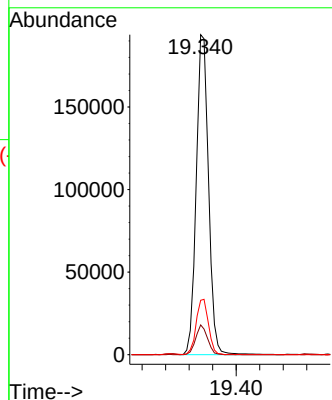
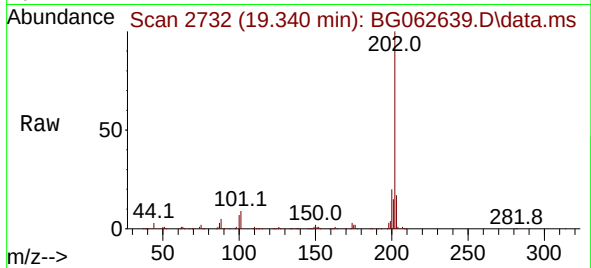




#75
Fluoranthene
Concen: 8.821 ng
RT: 19.340 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

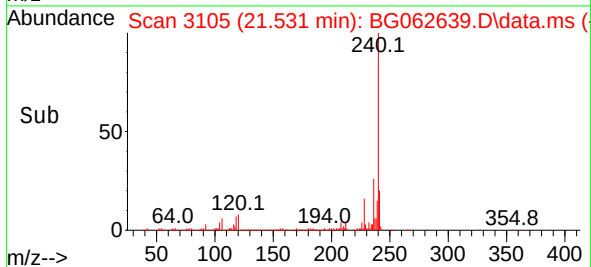
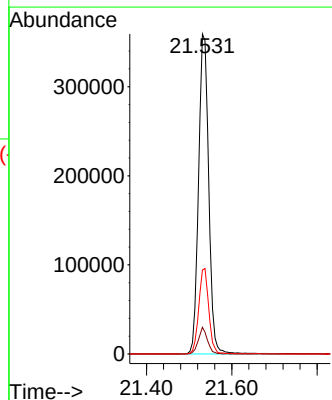
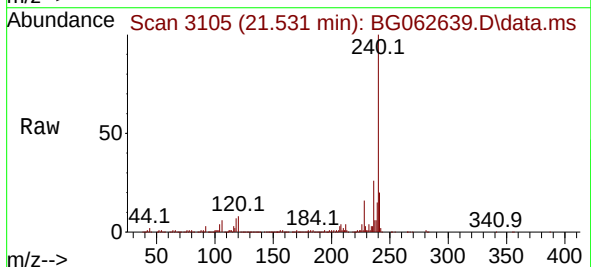
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

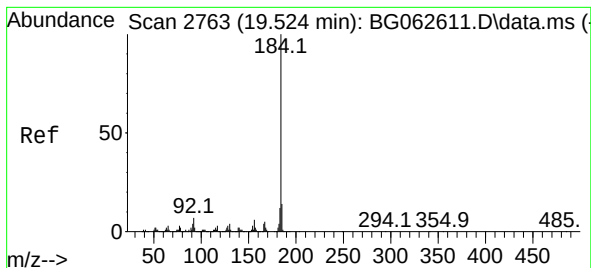
Tgt Ion:	202	Resp:	280948
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	29.6
203	17.0	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.531 min Scan# 3105
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:	240	Resp:	593274
Ion Ratio	Lower	Upper	
240	100		
120	8.3	6.6	9.8
236	26.3	20.2	30.4





#77

Benzidine

Concen: 9.164 ng

RT: 19.522 min Scan# 2763

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

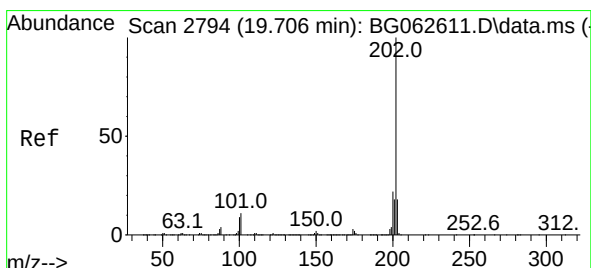
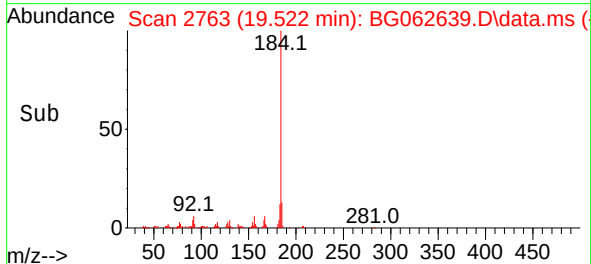
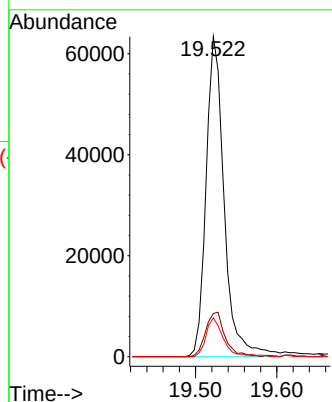
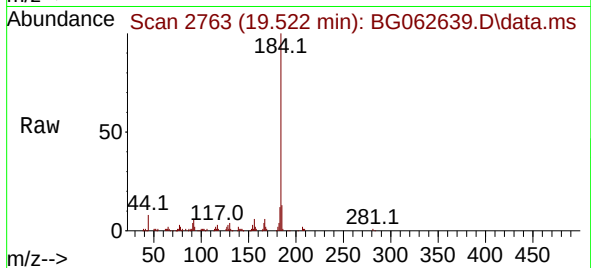
Tgt Ion:184 Resp: 97990

Ion Ratio Lower Upper

184 100

185 13.5 11.0 16.6

183 12.1 9.7 14.5



#78

Pyrene

Concen: 7.995 ng

RT: 19.704 min Scan# 2794

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

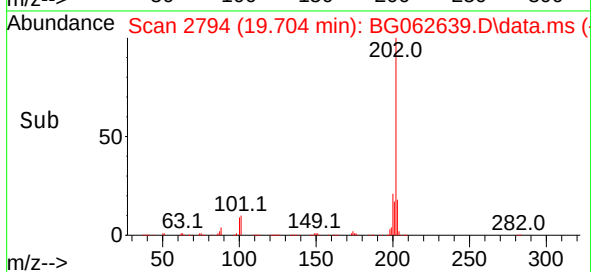
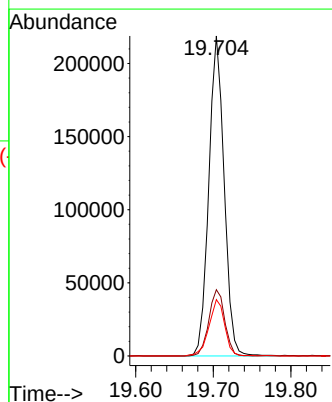
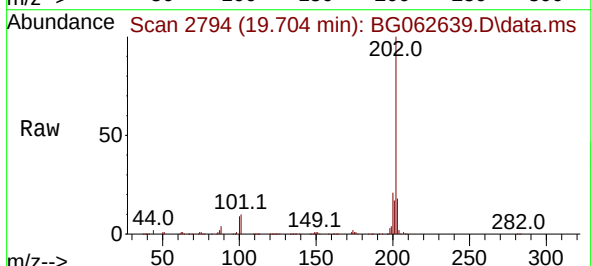
Tgt Ion:202 Resp: 301507

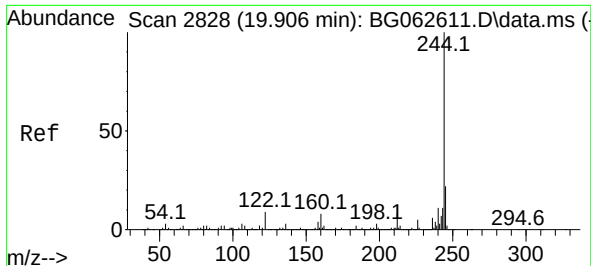
Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

203 17.6 14.1 21.1

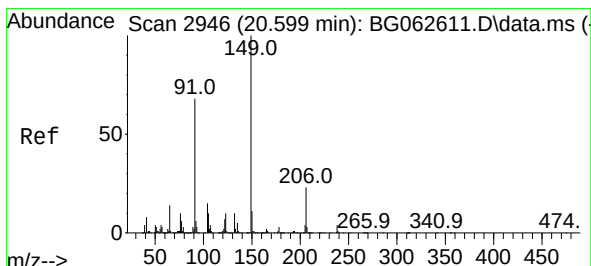
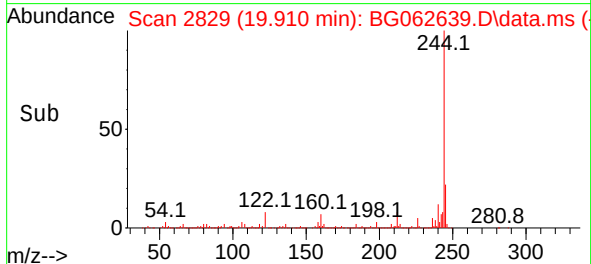
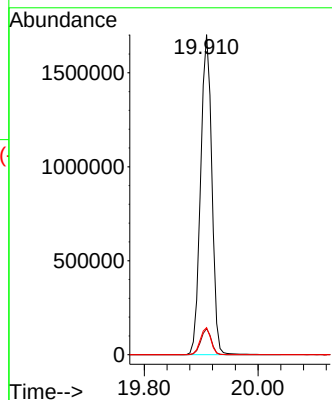
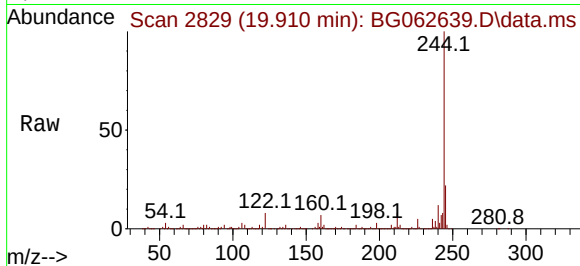




#79
 Terphenyl-d14
 Concen: 78.063 ng
 RT: 19.910 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG062639.D
 Acq: 4 Sep 2024 11:45

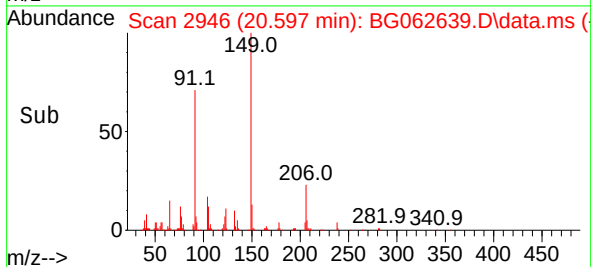
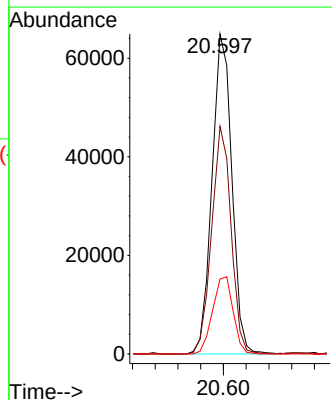
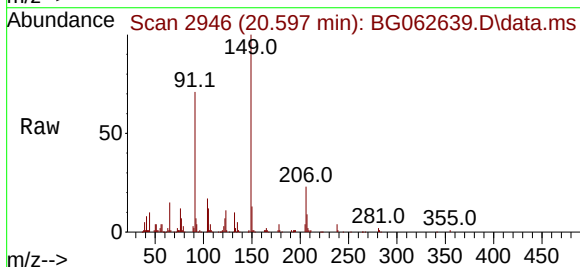
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

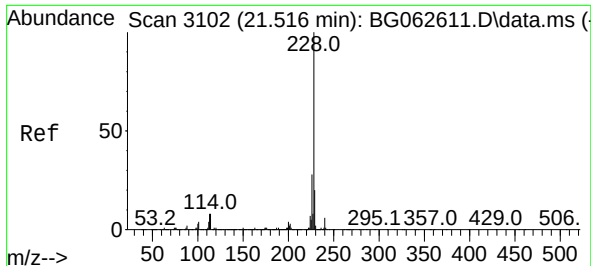
Tgt Ion:244 Resp: 2335687
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 10.0
 122 8.5 7.2 10.8



#80
 Butylbenzylphthalate
 Concen: 7.104 ng
 RT: 20.597 min Scan# 2946
 Delta R.T. -0.002 min
 Lab File: BG062639.D
 Acq: 4 Sep 2024 11:45

Tgt Ion:149 Resp: 78691
 Ion Ratio Lower Upper
 149 100
 91 71.1 54.6 81.8
 206 23.4 18.4 27.6

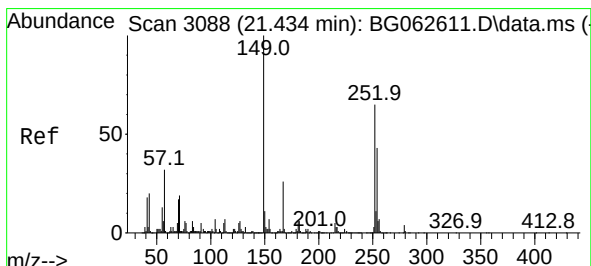
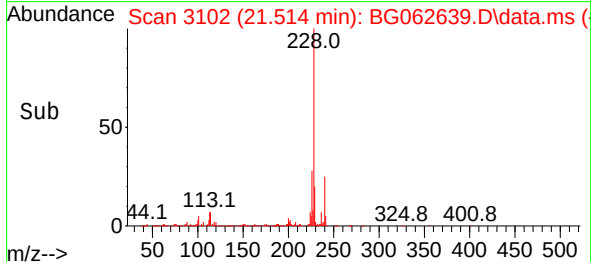
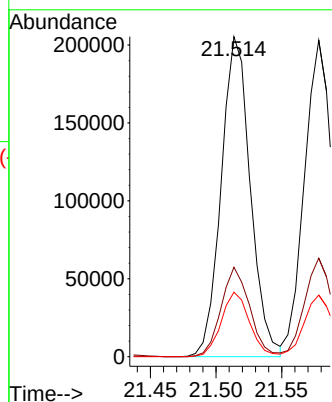
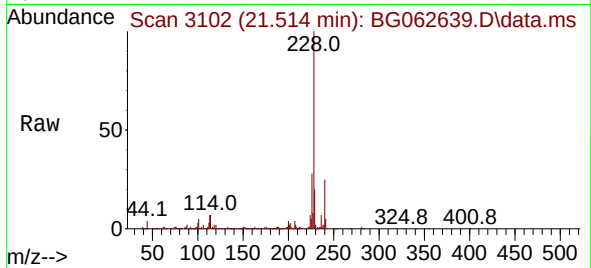




#81
Benzo(a)anthracene
Concen: 8.485 ng
RT: 21.514 min Scan# 3102
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

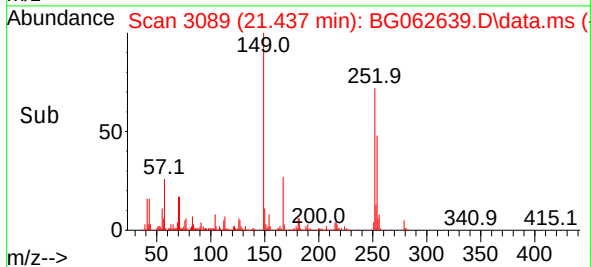
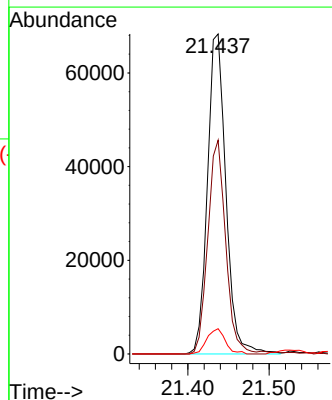
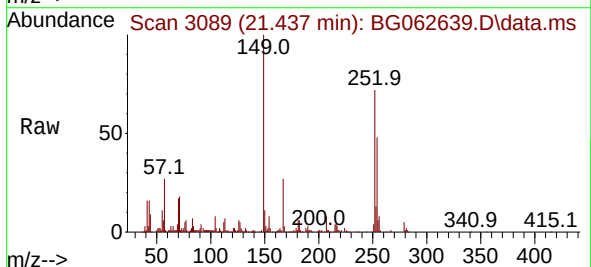
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

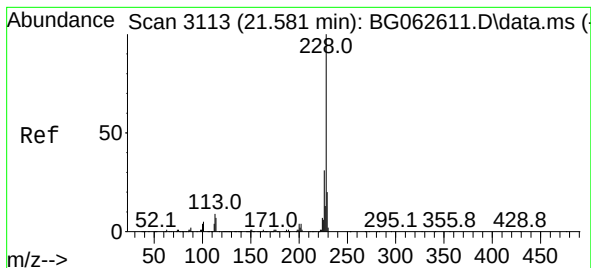
Tgt Ion:228 Resp: 317506
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 20.1 16.2 24.2



#82
3,3'-Dichlorobenzidine
Concen: 8.824 ng
RT: 21.437 min Scan# 3089
Delta R.T. 0.003 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:252 Resp: 107562
Ion Ratio Lower Upper
252 100
254 66.8 52.2 78.2
126 7.9 6.7 10.1





#83

Chrysene

Concen: 8.645 ng

RT: 21.578 min Scan# 3113

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

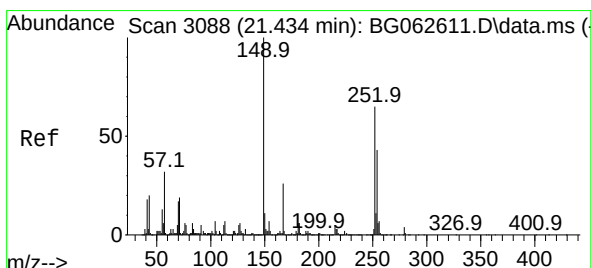
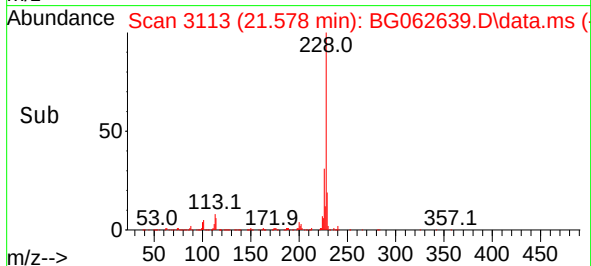
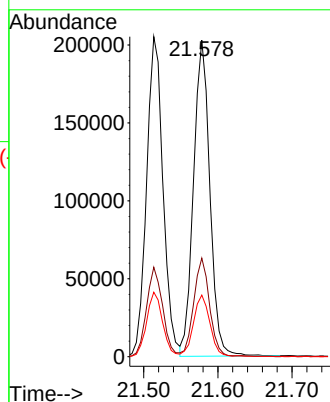
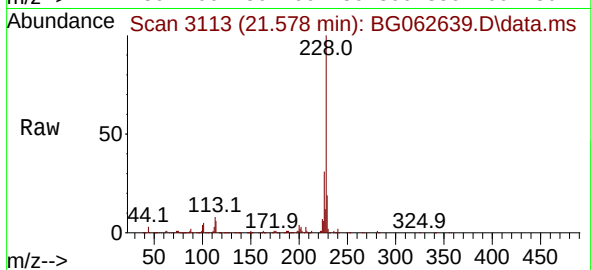
Tgt Ion:228 Resp: 309865

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

229 19.5 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.538 ng

RT: 21.437 min Scan# 3089

Delta R.T. 0.003 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

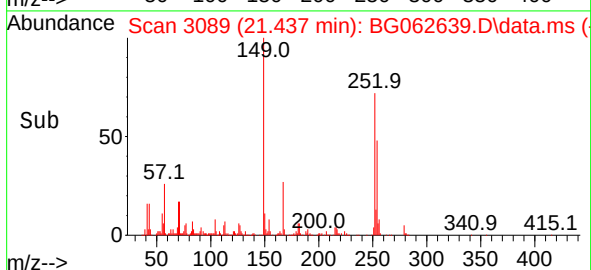
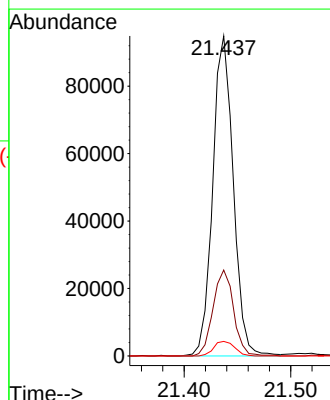
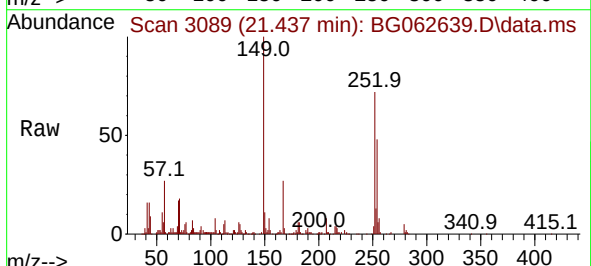
Tgt Ion:149 Resp: 126851

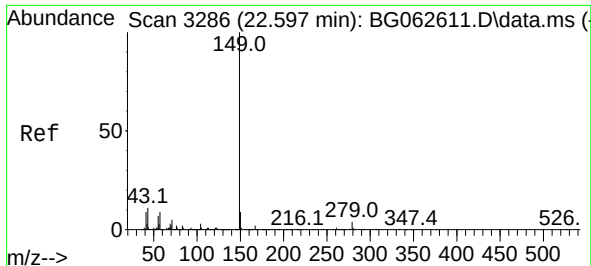
Ion Ratio Lower Upper

149 100

167 26.9 20.5 30.7

279 4.5 3.1 4.7

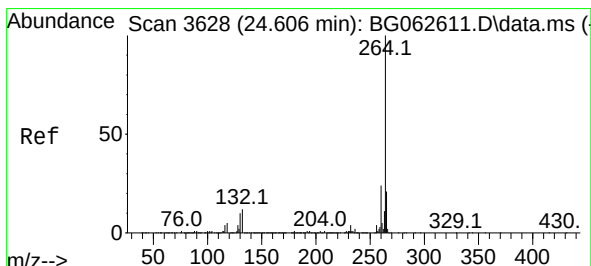
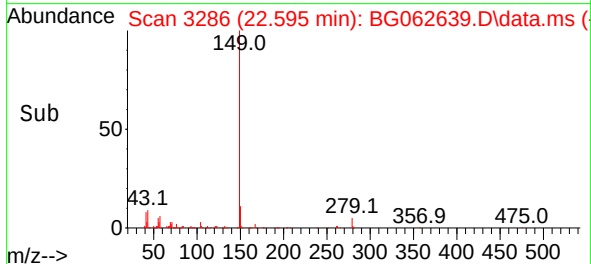
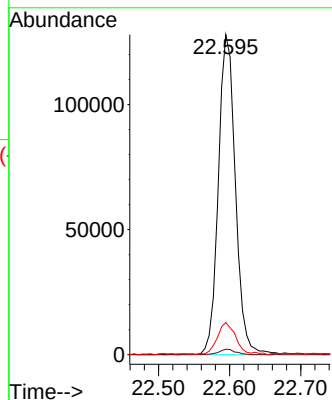
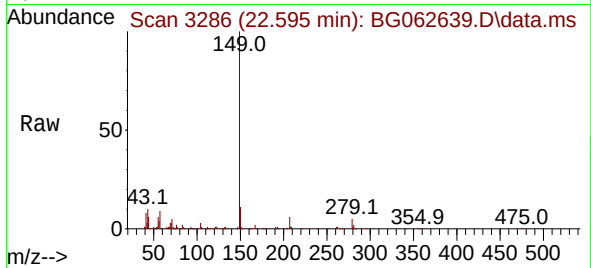




#85
Di-n-octyl phthalate
Concen: 7.229 ng
RT: 22.595 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

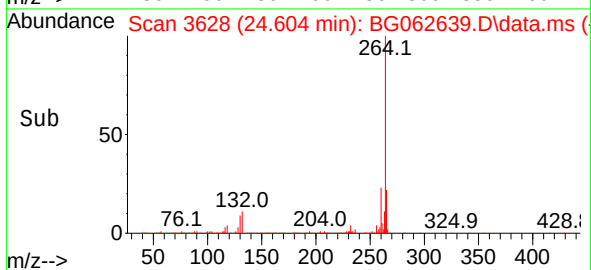
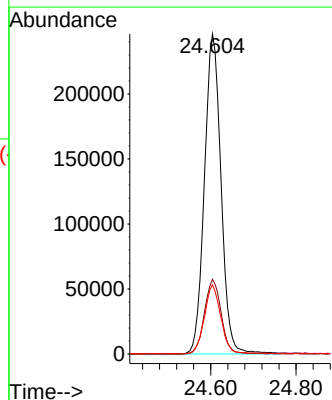
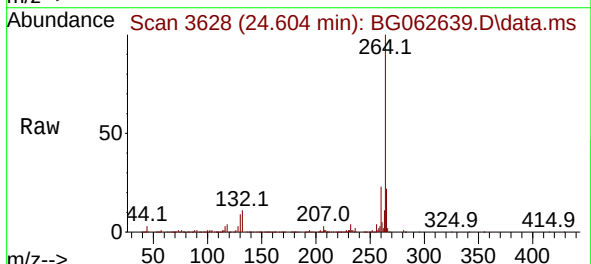
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

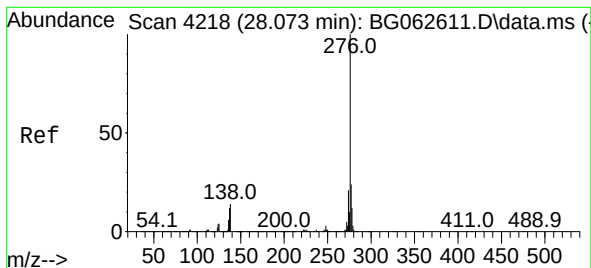
Tgt Ion:149 Resp: 213003
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 11.1 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.604 min Scan# 3628
Delta R.T. -0.002 min
Lab File: BG062639.D
Acq: 4 Sep 2024 11:45

Tgt Ion:264 Resp: 665630
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.4
265 21.6 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.379 ng

RT: 28.065 min Scan# 41

Delta R.T. -0.008 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

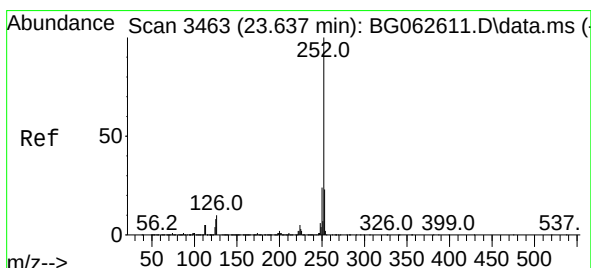
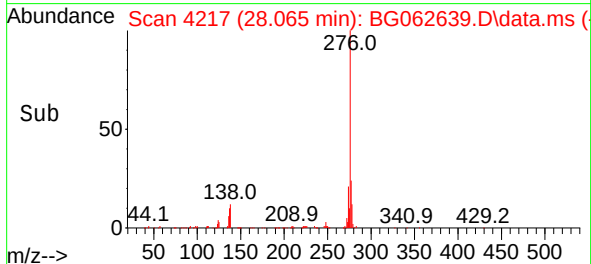
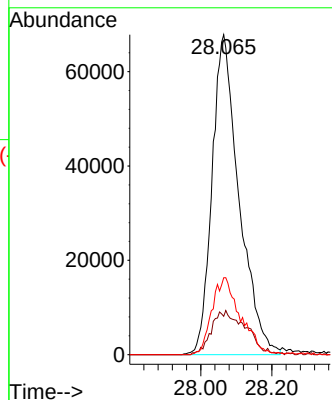
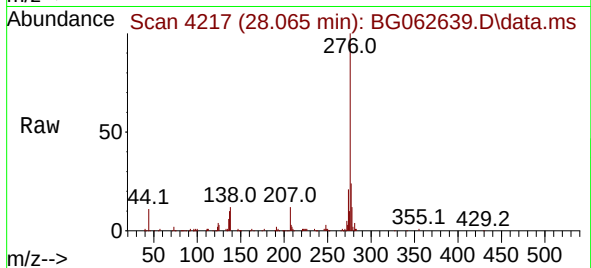
Tgt Ion:276 Resp: 357642

Ion Ratio Lower Upper

276 100

138 6.7 14.9 22.3#

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.097 ng

RT: 23.635 min Scan# 3463

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

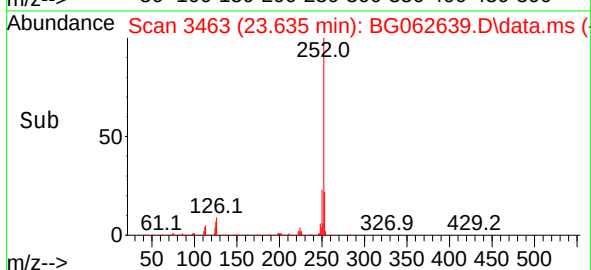
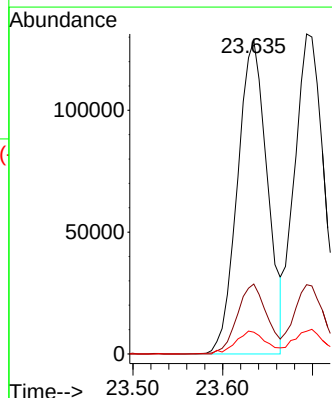
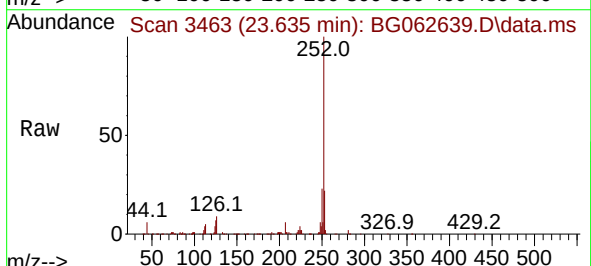
Tgt Ion:252 Resp: 297691

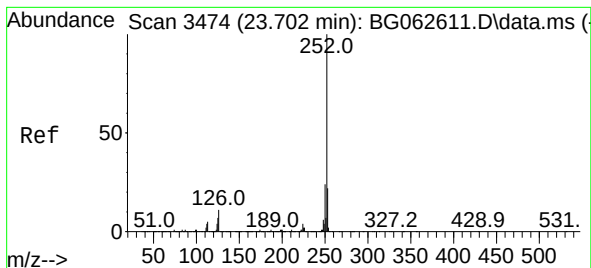
Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 6.9 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 8.541 ng

RT: 23.693 min Scan# 3474

Delta R.T. -0.008 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

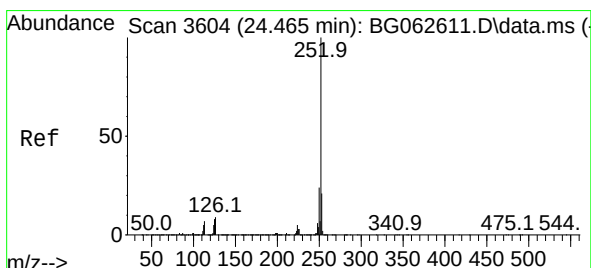
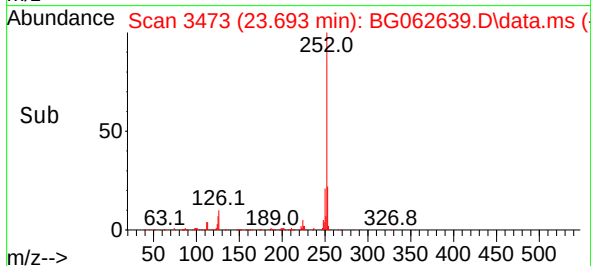
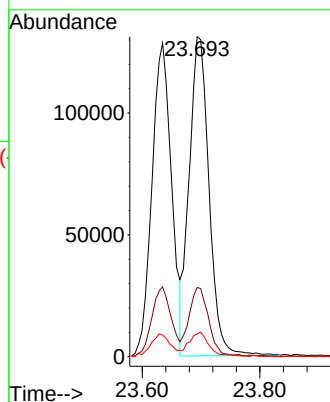
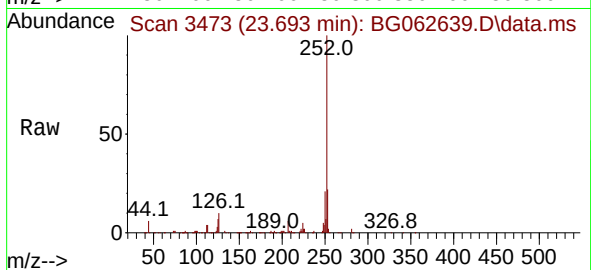
Tgt Ion:252 Resp: 307173

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 7.1 6.1 9.1



#90

Benzo(a)pyrene

Concen: 8.458 ng

RT: 24.457 min Scan# 3603

Delta R.T. -0.008 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

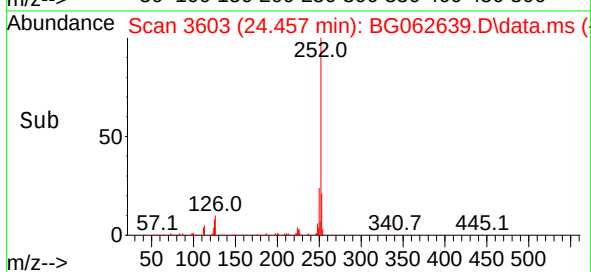
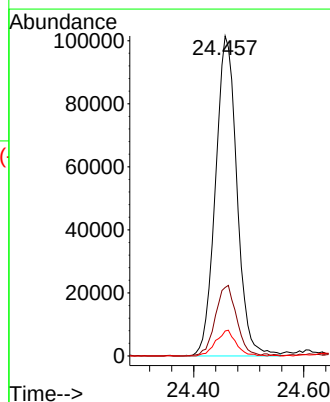
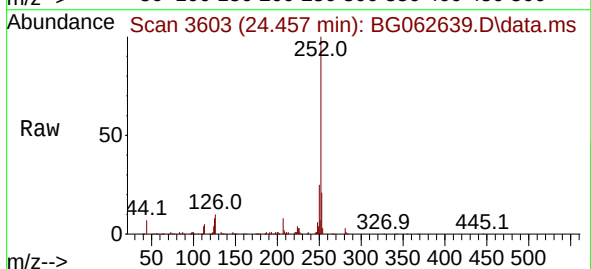
Tgt Ion:252 Resp: 274720

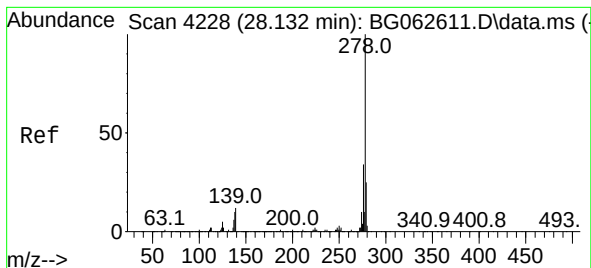
Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 7.8 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 8.426 ng

RT: 28.129 min Scan# 41

Delta R.T. -0.002 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

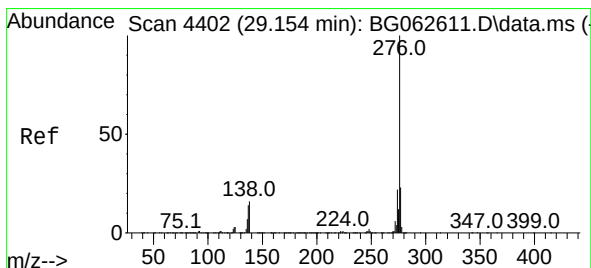
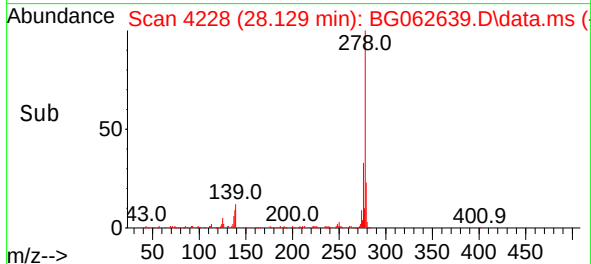
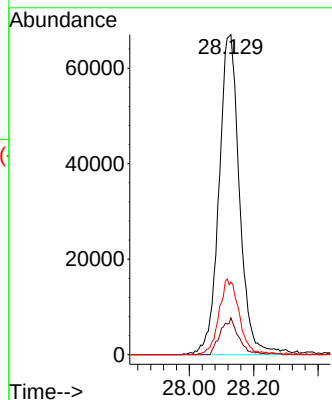
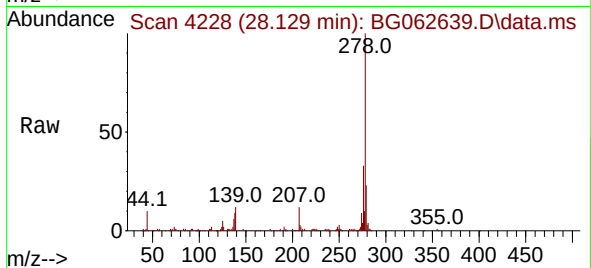
Tgt Ion:278 Resp: 296258

Ion Ratio Lower Upper

278 100

139 11.5 9.2 13.8

279 22.7 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 7.953 ng

RT: 29.140 min Scan# 4400

Delta R.T. -0.014 min

Lab File: BG062639.D

Acq: 4 Sep 2024 11:45

Tgt Ion:276 Resp: 281965

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 14.8 12.7 19.1

