

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
 Data File : BG062638.D
 Acq On : 4 Sep 2024 11:05
 Operator : MA/JU
 Sample : P3390-01
 Misc : LOD-MDL-SOIL-4ng
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 04 11:51:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.920	152	59277	20.000	ng	0.00
21) Naphthalene-d8	10.717	136	252002	20.000	ng	0.00
39) Acenaphthene-d10	14.548	164	211850	20.000	ng	0.00
64) Phenanthrene-d10	17.291	188	579915	20.000	ng	0.00
76) Chrysene-d12	21.533	240	628132	20.000	ng	0.00
86) Perylene-d12	24.606	264	693377	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	412373	120.249	ng	0.00
7) Phenol-d6	7.086	99	579028	116.878	ng	0.00
23) Nitrobenzene-d5	9.078	82	406836	86.946	ng	0.00
42) 2,4,6-Tribromophenol	16.034	330	409039	137.197	ng	0.00
45) 2-Fluorobiphenyl	13.173	172	1093426	83.603	ng	0.00
79) Terphenyl-d14	19.906	244	2286952	72.193	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.408	88	6249	4.374	ng	98
3) Pyridine	3.807	79	14959	3.634	ng	91
4) n-Nitrosodimethylamine	3.719	42	7863	3.929	ng	# 92
6) Aniline	7.250	93	21079	4.554	ng	96
8) 2-Chlorophenol	7.491	128	13797	3.747	ng	85
9) Benzaldehyde	7.062	77	15434	5.356	ng	# 85
10) Phenol	7.115	94	18723	3.733	ng	94
11) bis(2-Chloroethyl)ether	7.344	93	14669	3.820	ng	93
12) 1,3-Dichlorobenzene	7.814	146	17144	4.243	ng	91
13) 1,4-Dichlorobenzene	7.961	146	16565	3.984	ng	95
14) 1,2-Dichlorobenzene	8.273	146	15655	3.830	ng	90
15) Benzyl Alcohol	8.155	79	13147	3.587	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.437	45	28005	3.827	ng	98
17) 2-Methylphenol	8.361	107	11706	3.348	ng	98
18) Hexachloroethane	9.007	117	5810	3.727	ng	96
19) n-Nitroso-di-n-propyla...	8.719	70	14051	3.599	ng	99
20) 3+4-Methylphenols	8.690	107	16708	3.240	ng	91
22) Acetophenone	8.737	105	26256	3.862	ng	# 95
24) Nitrobenzene	9.119	77	21562	4.334	ng	98
25) Isophorone	9.636	82	38992	3.796	ng	99
26) 2-Nitrophenol	9.830	139	6587	3.504	ng	97
27) 2,4-Dimethylphenol	9.894	122	7933	2.880	ng	86
28) bis(2-Chloroethoxy)met...	10.123	93	21325	3.878	ng	98
29) 2,4-Dichlorophenol	10.364	162	14137	3.671	ng	98
30) 1,2,4-Trichlorobenzene	10.576	180	17741	3.886	ng	96
31) Naphthalene	10.764	128	50762	4.064	ng	98
33) 4-Chloroaniline	10.870	127	19470	3.961	ng	95
34) Hexachlorobutadiene	11.052	225	12569	3.942	ng	92
35) Caprolactam	11.610	113	6046	4.072	ng	# 83
36) 4-Chloro-3-methylphenol	11.992	107	16855	3.628	ng	89
37) 2-Methylnaphthalene	12.374	142	39470	4.074	ng	98
38) 1-Methylnaphthalene	12.374	142	39470	4.057	ng	93
40) 1,2,4,5-Tetrachloroben...	12.738	216	27047	4.245	ng	99
41) Hexachlorocyclopentadiene	12.720	237	5737	3.156	ng	84
43) 2,4,6-Trichlorophenol	13.049	196	17320	4.288	ng	92
44) 2,4,5-Trichlorophenol	13.049	196	17320	3.787	ng	97

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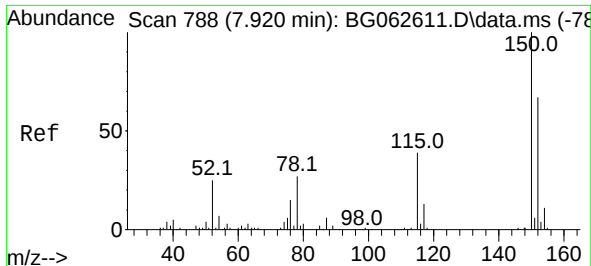
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.378	154	59875	4.236	ng	97
47) 2-Chloronaphthalene	13.419	162	45727	3.992	ng	100
48) 2-Nitroaniline	13.619	65	11727	3.893	ng	93
49) Acenaphthylene	14.266	152	70533	4.158	ng	96
50) Dimethylphthalate	13.995	163	62992	4.066	ng	100
51) 2,6-Dinitrotoluene	14.113	165	10255	3.500	ng	96
52) Acenaphthene	14.612	154	42040	3.965	ng	92
53) 3-Nitroaniline	14.448	138	10721	3.781	ng	99
54) 2,4-Dinitrophenol	14.659	184	2918	1.775	ng	# 83
55) Dibenzofuran	14.941	168	75177	4.134	ng	98
56) 4-Nitrophenol	14.753	139	8430	3.508	ng	93
57) 2,4-Dinitrotoluene	14.900	165	13731	3.435	ng	# 96
58) Fluorene	15.593	166	59126	4.143	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.088	232	15608	3.602	ng	92
60) Diethylphthalate	15.364	149	60523	3.942	ng	98
61) 4-Chlorophenyl-phenyle...	15.588	204	34580	4.221	ng	94
62) 4-Nitroaniline	15.605	138	11365	3.635	ng	93
63) Azobenzene	15.881	77	56972	3.952	ng	95
65) 4,6-Dinitro-2-methylph...	15.664	198	6890	2.662	ng	97
66) n-Nitrosodiphenylamine	15.799	169	52236	3.747	ng	99
67) 4-Bromophenyl-phenylether	16.481	248	23105	3.860	ng	93
68) Hexachlorobenzene	16.598	284	29096	4.105	ng	94
69) Atrazine	16.745	200	23845	5.035	ng	97
70) Pentachlorophenol	16.939	266	11199	2.467	ng	94
71) Phenanthrene	17.333	178	117436	4.339	ng	97
72) Anthracene	17.421	178	106564	4.004	ng	99
73) Carbazole	17.691	167	95923	3.921	ng	99
74) Di-n-butylphthalate	18.255	149	101792	3.689	ng	99
75) Fluoranthene	19.342	202	139866	4.086	ng	99
77) Benzidine	19.524	184	41686	3.682	ng	98
78) Pyrene	19.706	202	151648	3.798	ng	98
80) Butylbenzylphthalate	20.599	149	38150	3.253	ng	99
81) Benzo(a)anthracene	21.516	228	160380	4.048	ng	99
82) 3,3'-Dichlorobenzidine	21.434	252	50047	3.878	ng	97
83) Chrysene	21.581	228	153123	4.035	ng	99
84) Bis(2-ethylhexyl)phtha...	21.434	149	60490	3.395	ng	# 95
85) Di-n-octyl phthalate	22.597	149	101429	3.251	ng	# 96
87) Indeno(1,2,3-cd)pyrene	28.055	276	175504	3.947	ng	# 89
88) Benzo(b)fluoranthene	23.631	252	149797	3.911	ng	98
89) Benzo(k)fluoranthene	23.696	252	148782	3.971	ng	97
90) Benzo(a)pyrene	24.454	252	133822	3.955	ng	# 97
91) Dibenzo(a,h)anthracene	28.120	278	141119	3.853	ng	# 92
92) Benzo(g,h,i)perylene	29.136	276	136091	3.685	ng	99

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

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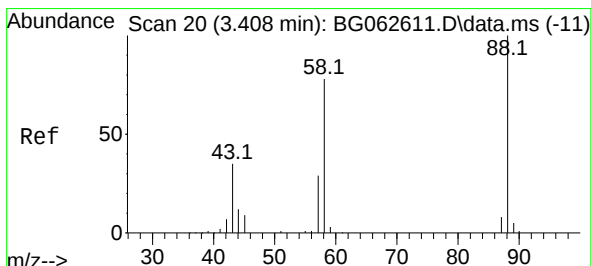
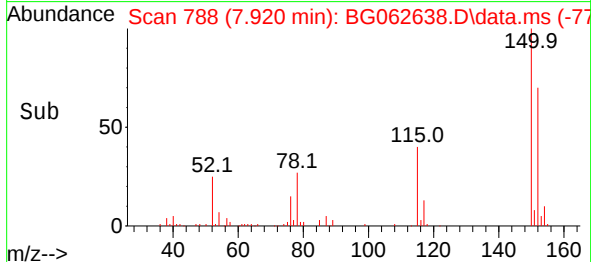
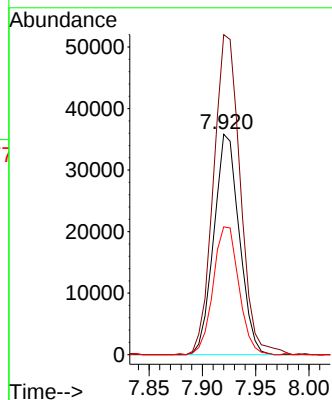
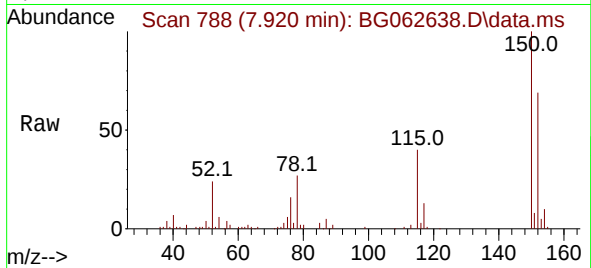
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.920 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

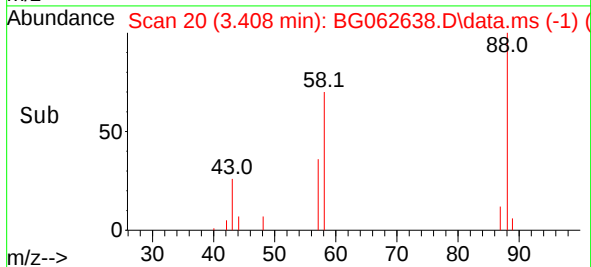
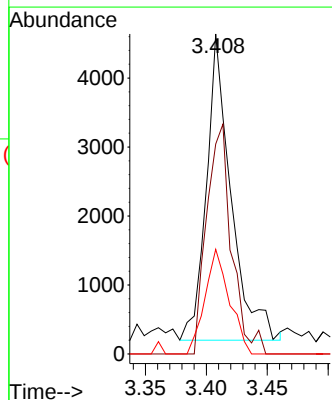
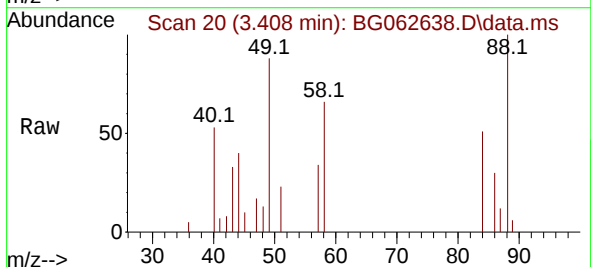
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

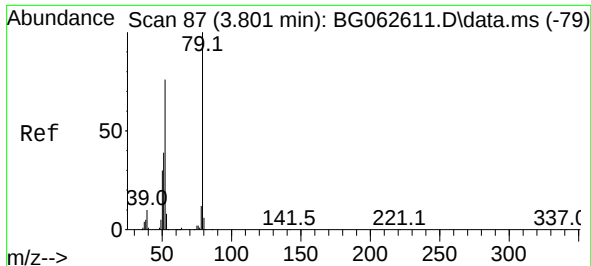
Tgt Ion:152 Resp: 59277
Ion Ratio Lower Upper
152 100
150 145.1 119.9 179.9
115 58.0 46.6 69.8



#2
1,4-Dioxane
Concen: 4.374 ng
RT: 3.408 min Scan# 20
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion: 88 Resp: 6249
Ion Ratio Lower Upper
88 100
58 75.6 62.3 93.5
43 33.9 27.5 41.3





#3

Pyridine

Concen: 3.634 ng

RT: 3.807 min Scan# 81

Delta R.T. 0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

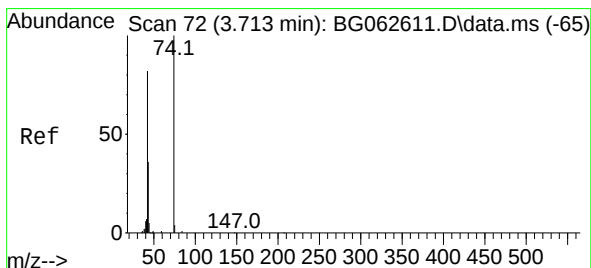
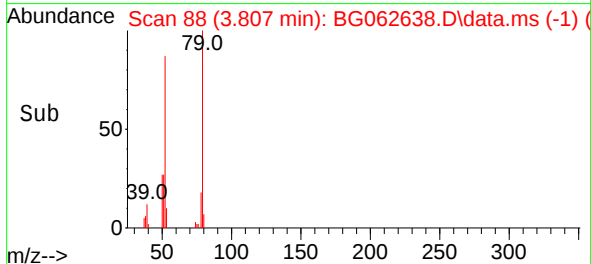
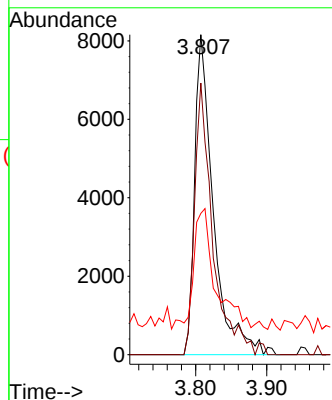
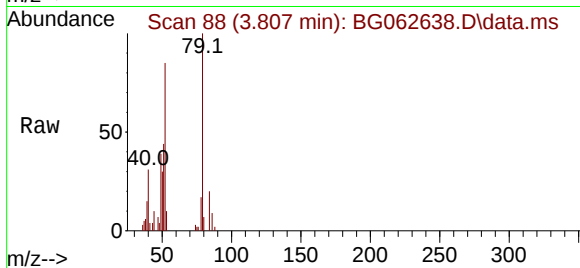
Tgt Ion: 79 Resp: 14959

Ion Ratio Lower Upper

79 100

52 84.9 60.9 91.3

51 44.1 31.5 47.3



#4

n-Nitrosodimethylamine

Concen: 3.929 ng

RT: 3.719 min Scan# 73

Delta R.T. 0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

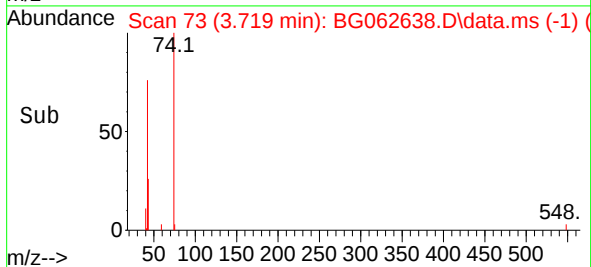
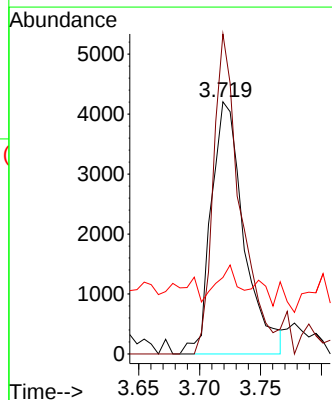
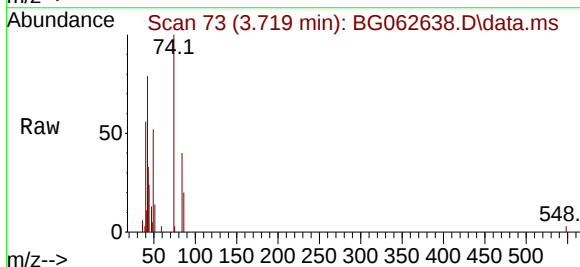
Tgt Ion: 42 Resp: 7863

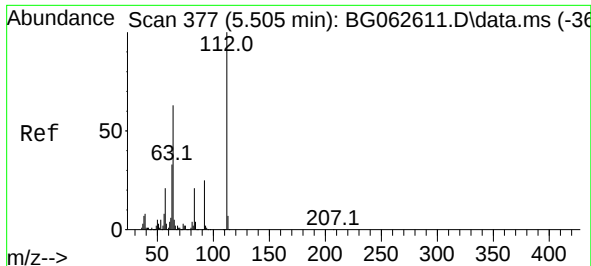
Ion Ratio Lower Upper

42 100

74 126.9 98.0 147.0

44 30.3 7.4 11.2#

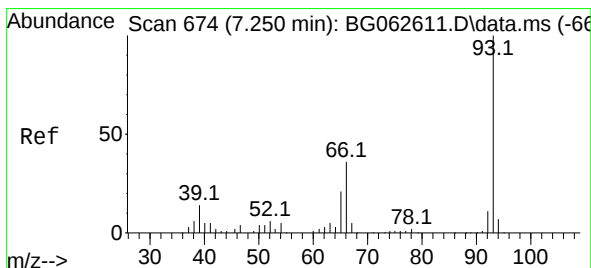
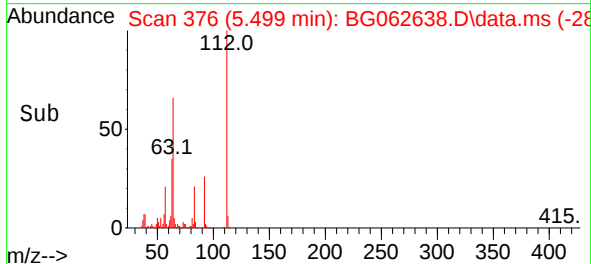
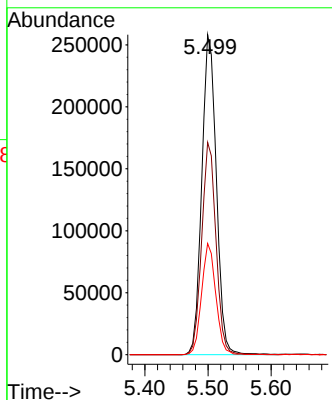
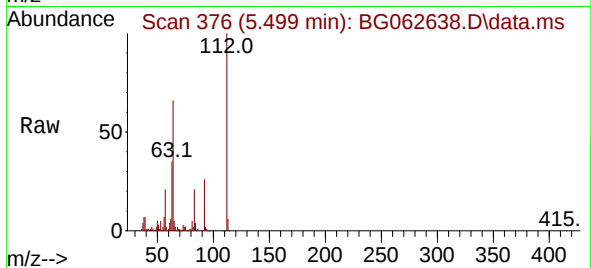




#5
2-Fluorophenol
Concen: 120.249 ng
RT: 5.499 min Scan# 377
Delta R.T. -0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

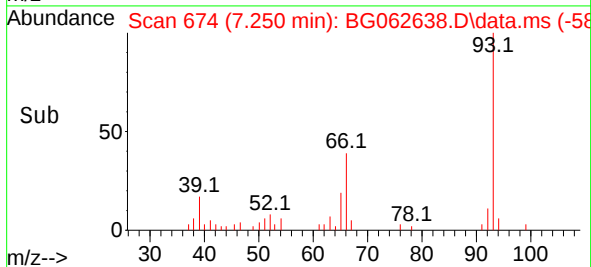
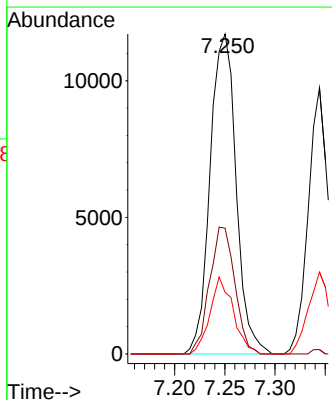
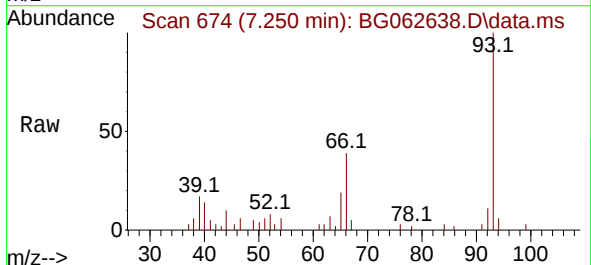
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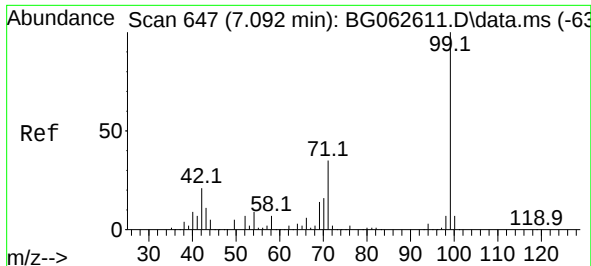
Tgt Ion:112 Resp: 412373
Ion Ratio Lower Upper
112 100
64 66.4 50.2 75.2
63 34.7 26.6 39.8



#6
Aniline
Concen: 4.554 ng
RT: 7.250 min Scan# 674
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion: 93 Resp: 21079
Ion Ratio Lower Upper
93 100
66 39.3 29.1 43.7
65 19.2 16.6 25.0

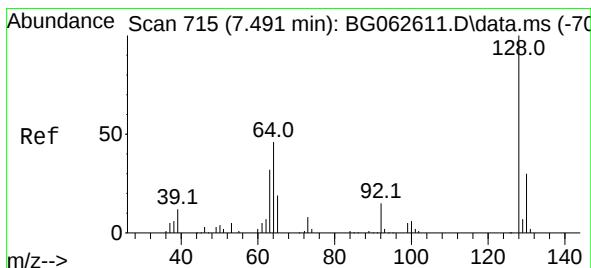
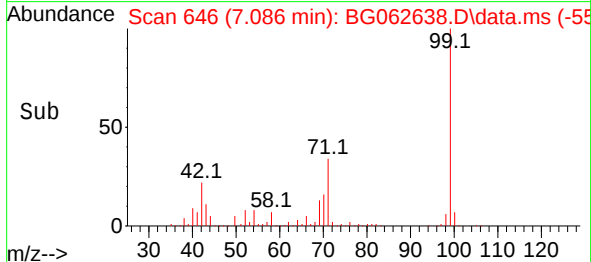
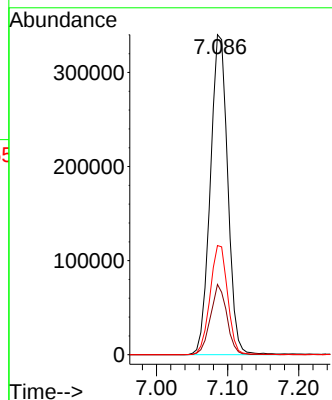
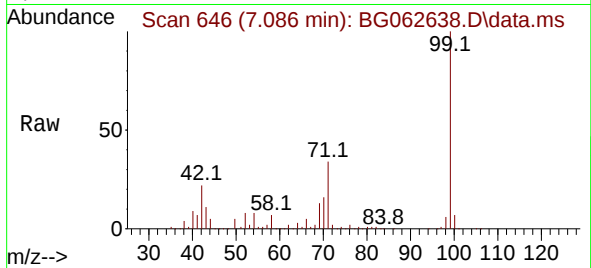




#7
Phenol-d6
Concen: 116.878 ng
RT: 7.086 min Scan# 647
Delta R.T. -0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

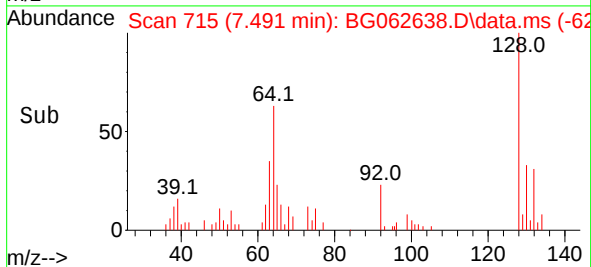
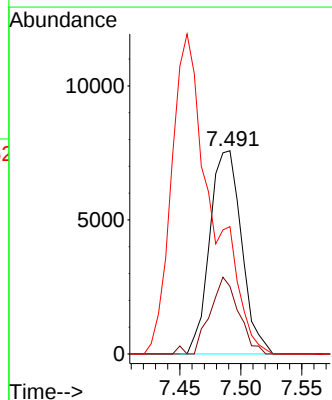
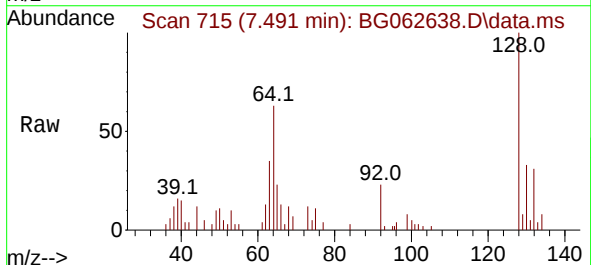
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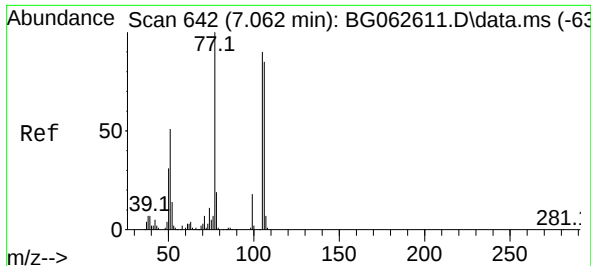
Tgt Ion: 99 Resp: 579028
Ion Ratio Lower Upper
99 100
42 21.9 16.9 25.3
71 34.1 27.9 41.9



#8
2-Chlorophenol
Concen: 3.747 ng
RT: 7.491 min Scan# 715
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion: 128 Resp: 13797
Ion Ratio Lower Upper
128 100
130 33.2 10.0 50.0
64 62.7 28.8 68.8

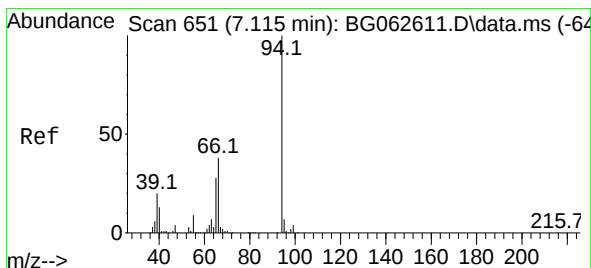
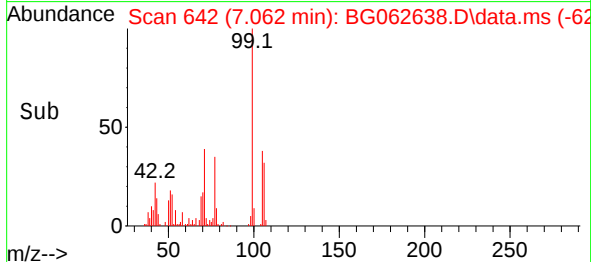
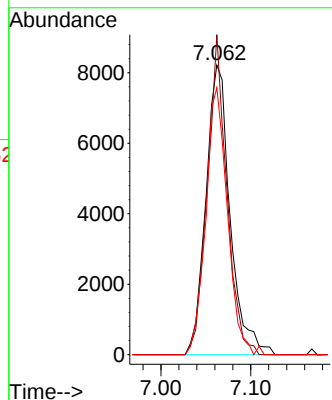
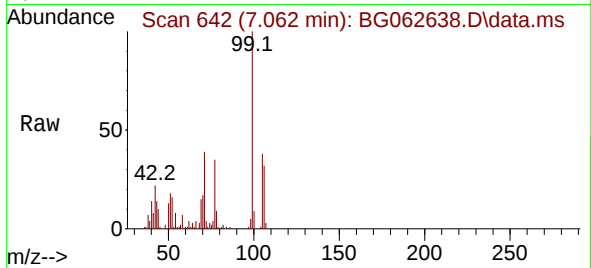




#9
Benzaldehyde
Concen: 5.356 ng
RT: 7.062 min Scan# 642
Delta R.T. 0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

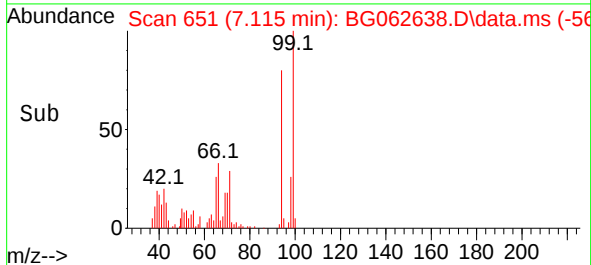
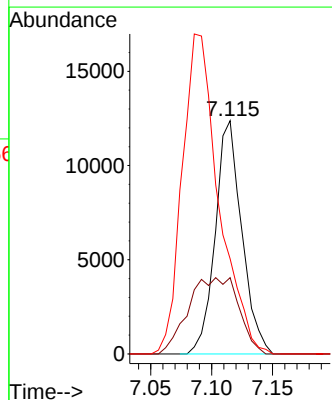
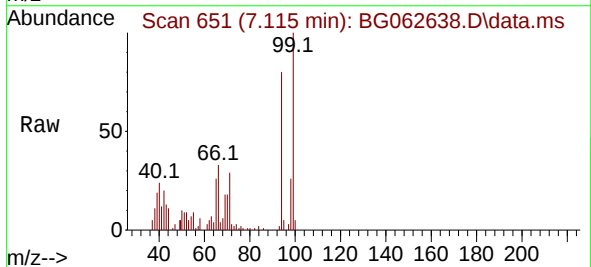
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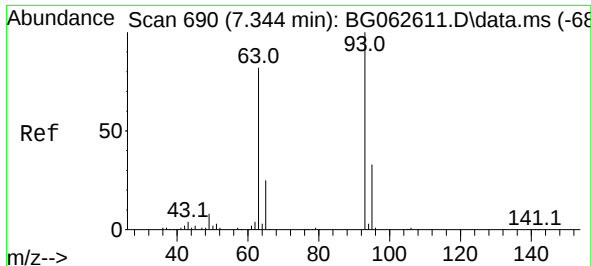
Tgt Ion: 77 Resp: 15434
Ion Ratio Lower Upper
77 100
105 110.5 70.2 110.2#
106 92.2 65.4 105.4



#10
Phenol
Concen: 3.733 ng
RT: 7.115 min Scan# 651
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion: 94 Resp: 18723
Ion Ratio Lower Upper
94 100
65 32.7 8.6 48.6
66 40.8 18.2 58.2

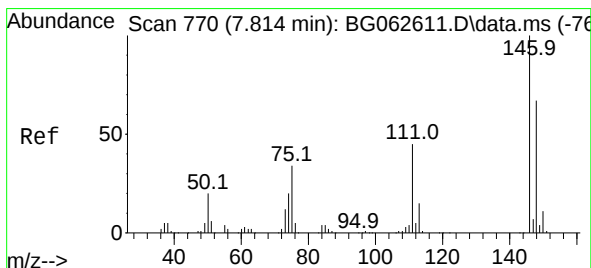
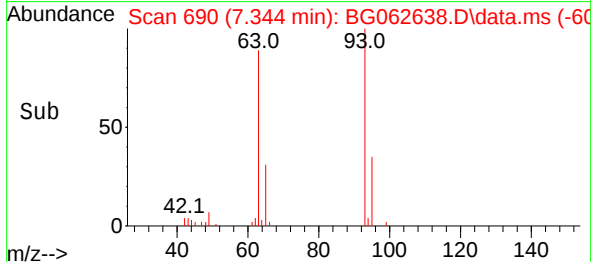
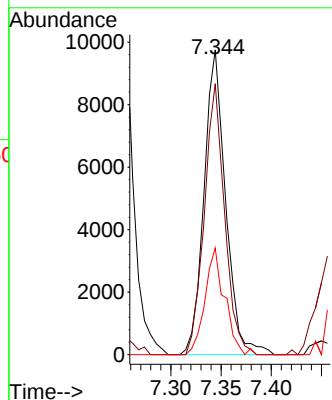
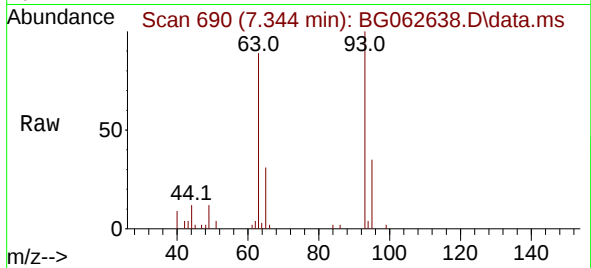




#11
bis(2-Chloroethyl)ether
Concen: 3.820 ng
RT: 7.344 min Scan# 690
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

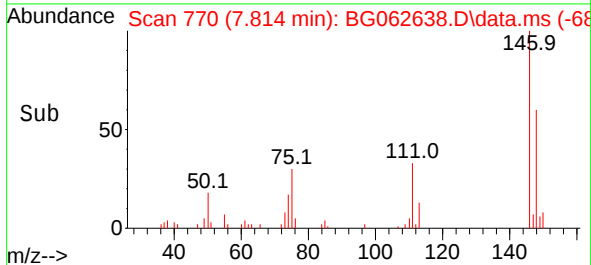
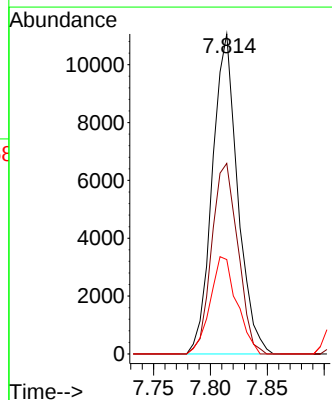
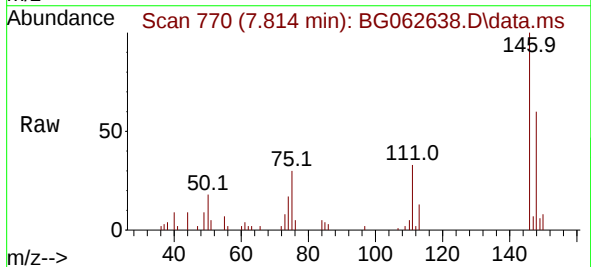
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

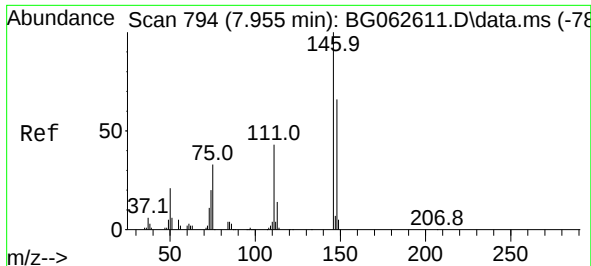
Tgt Ion: 93 Resp: 14669
Ion Ratio Lower Upper
93 100
63 88.9 61.9 101.9
95 35.0 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 4.243 ng
RT: 7.814 min Scan# 770
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion: 146 Resp: 17144
Ion Ratio Lower Upper
146 100
148 59.5 53.9 80.9
75 29.5 27.0 40.4

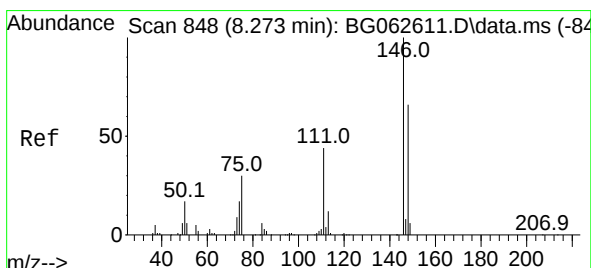
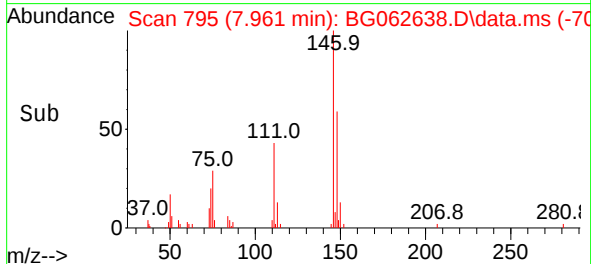
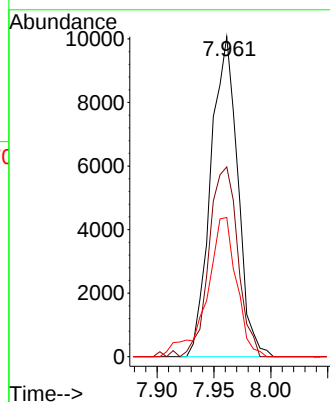
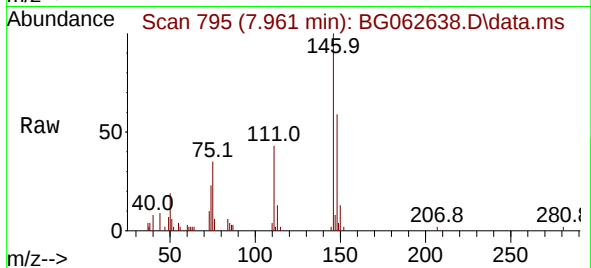




#13
1,4-Dichlorobenzene
Concen: 3.984 ng
RT: 7.961 min Scan# 795
Delta R.T. 0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

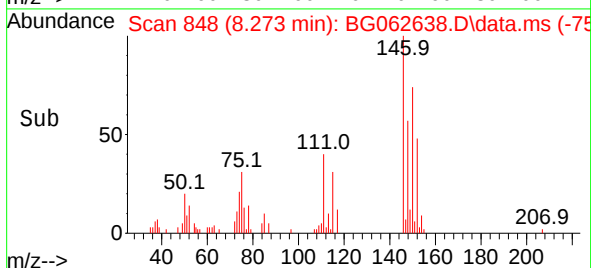
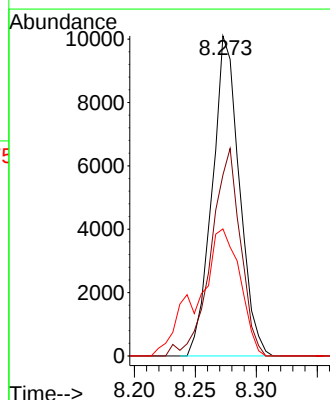
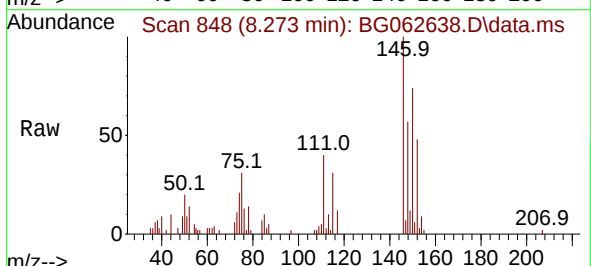
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

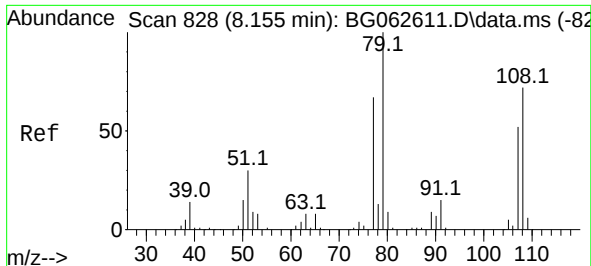
Tgt Ion:146 Resp: 16565
Ion Ratio Lower Upper
146 100
148 59.3 53.0 79.6
111 43.5 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 3.830 ng
RT: 8.273 min Scan# 848
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:146 Resp: 15655
Ion Ratio Lower Upper
146 100
148 56.6 52.5 78.7
111 39.7 35.5 53.3





#15

Benzyl Alcohol

Concen: 3.587 ng

RT: 8.155 min Scan# 81

Delta R.T. -0.000 min

Lab File: BG062638.D

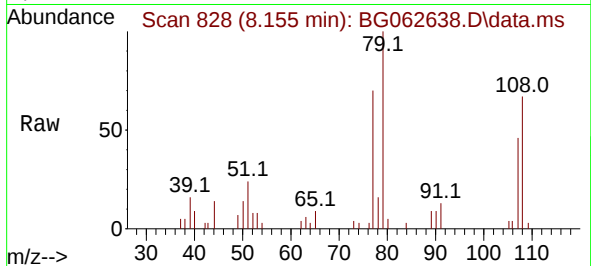
Acq: 4 Sep 2024 11:05

Instrument :

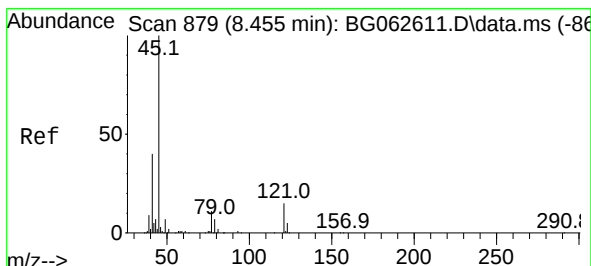
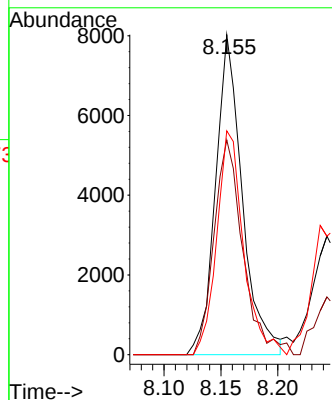
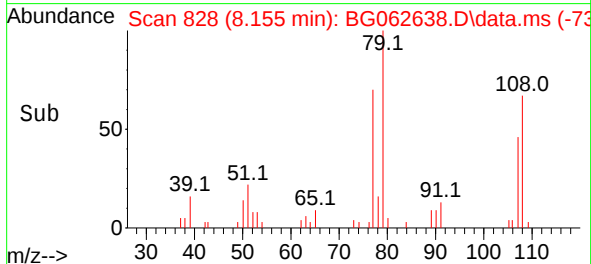
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion: 79	Resp: 13147
Ion Ratio	Lower Upper
79	100
108	67.1 57.9 86.9
77	70.0 53.4 80.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.827 ng

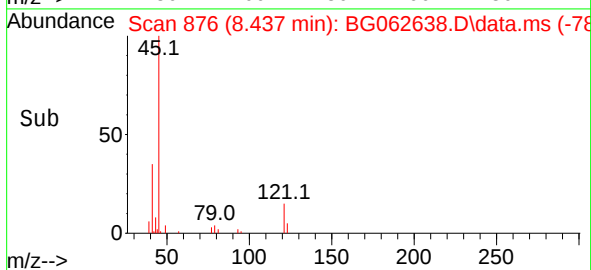
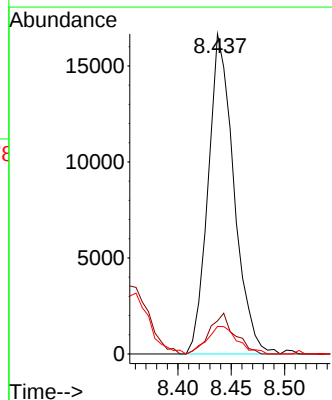
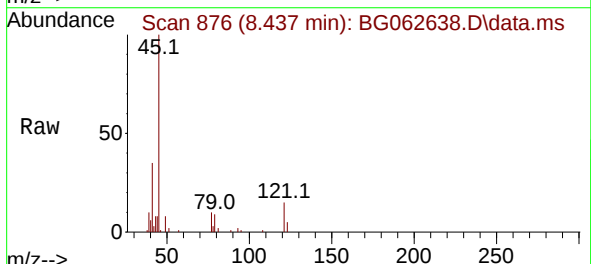
RT: 8.437 min Scan# 876

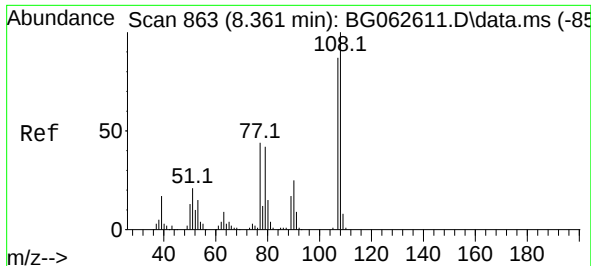
Delta R.T. -0.018 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Tgt Ion: 45	Resp: 28005
Ion Ratio	Lower Upper
45	100
77	10.3 0.0 31.7
79	8.6 0.0 28.3

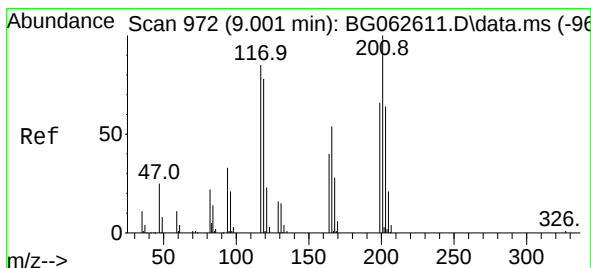
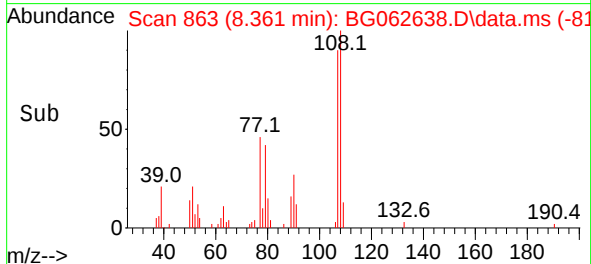
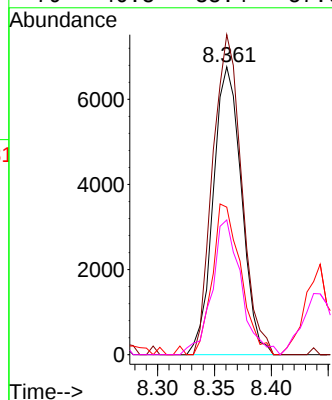
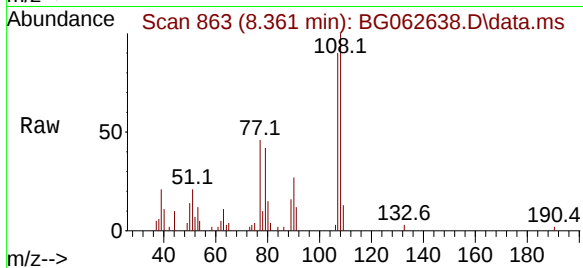




#17
2-Methylphenol
Concen: 3.348 ng
RT: 8.361 min Scan# 863
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

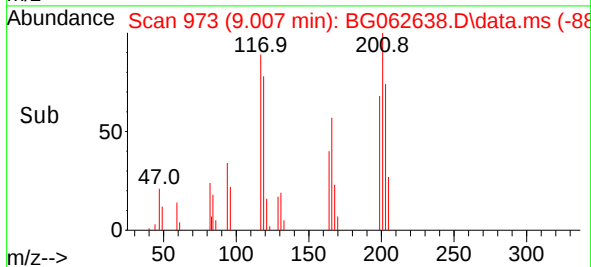
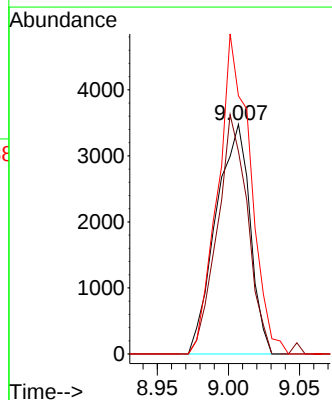
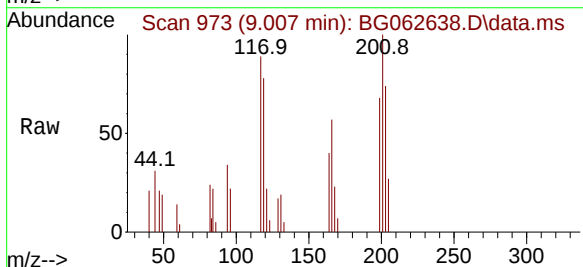
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

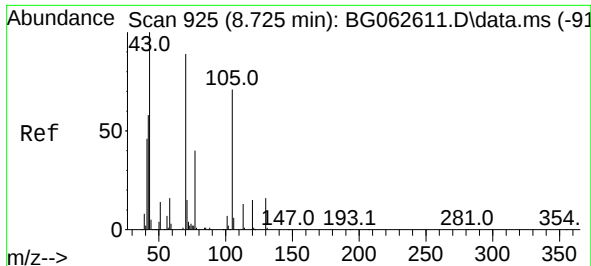
Tgt Ion:	107	Resp:	11706
Ion	Ratio	Lower	Upper
107	100		
108	111.1	91.5	137.3
77	51.2	40.0	60.0
79	46.8	38.4	57.6



#18
Hexachloroethane
Concen: 3.727 ng
RT: 9.007 min Scan# 973
Delta R.T. 0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:	117	Resp:	5810
Ion	Ratio	Lower	Upper
117	100		
119	88.2	73.4	110.0
201	112.4	93.9	140.9



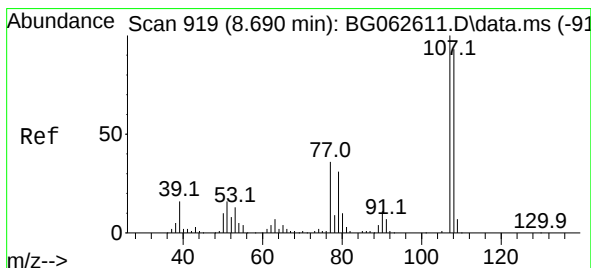
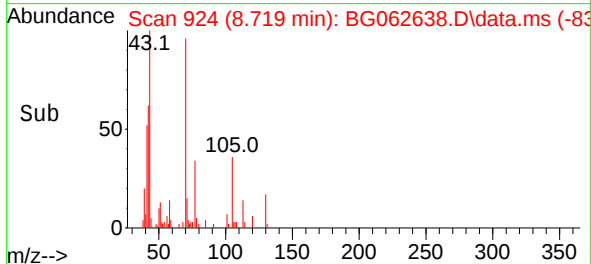
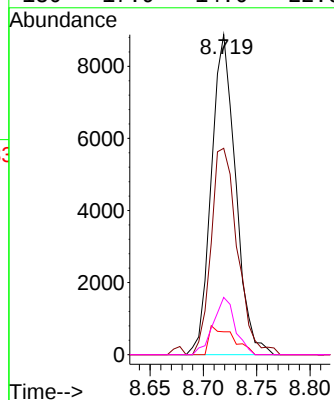
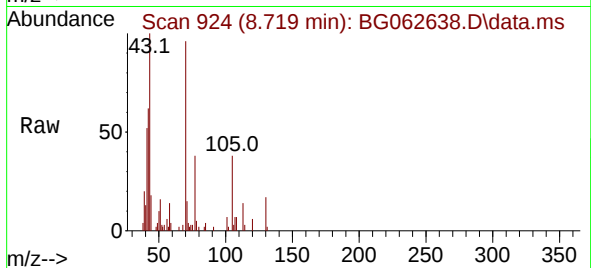


#19
n-Nitroso-di-n-propylamine
Concen: 3.599 ng
RT: 8.719 min Scan# 919
Delta R.T. -0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

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

Tgt Ion: 70 Resp: 14051

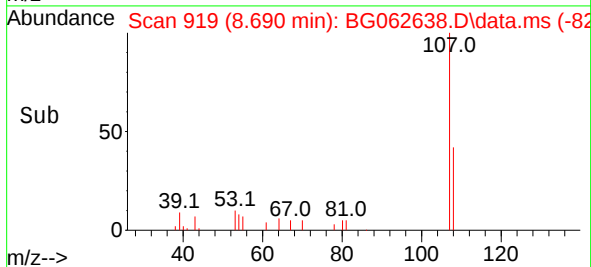
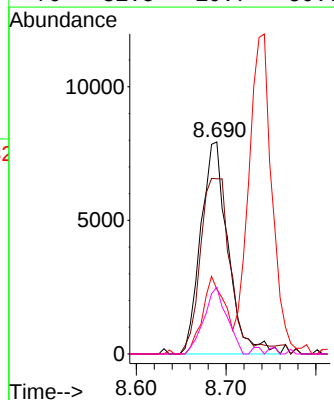
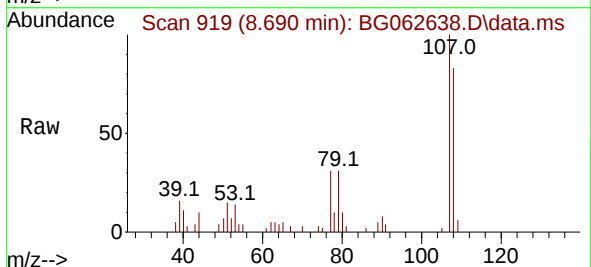
Ion	Ratio	Lower	Upper
70	100		
42	64.5	52.3	78.5
101	7.1	6.6	9.8
130	17.9	14.6	22.0

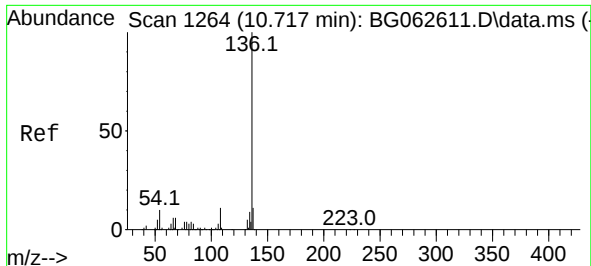


#20
3+4-Methylphenols
Concen: 3.240 ng
RT: 8.690 min Scan# 919
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion: 107 Resp: 16708

Ion	Ratio	Lower	Upper
107	100		
108	82.7	72.7	112.7
77	30.5	16.5	56.5
79	31.5	10.7	50.7

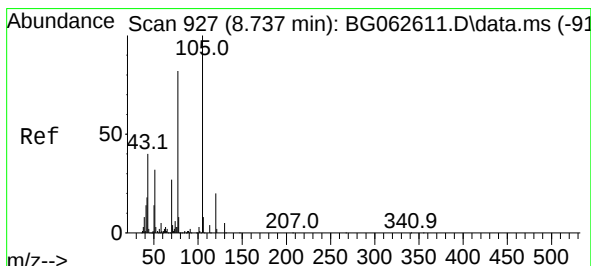
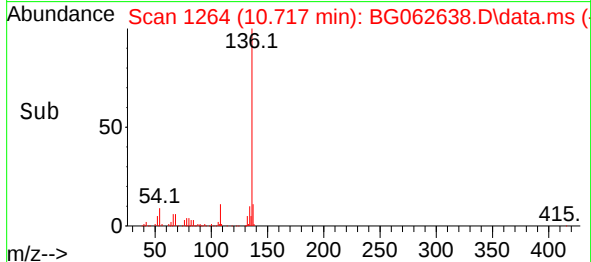
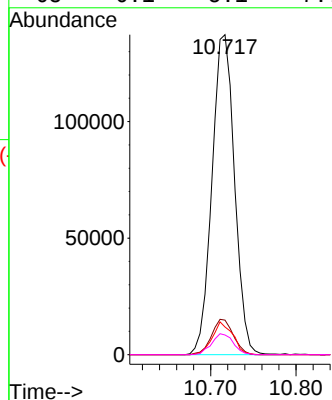
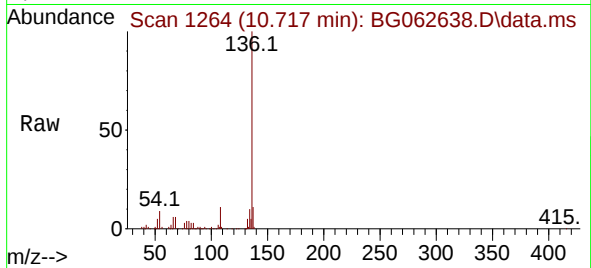




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.717 min Scan# 1264
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

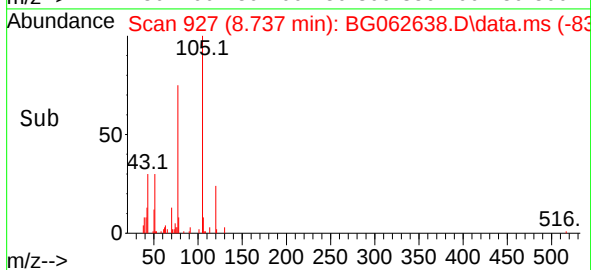
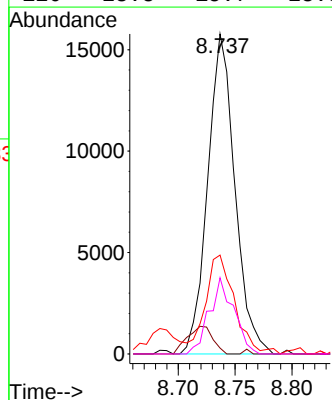
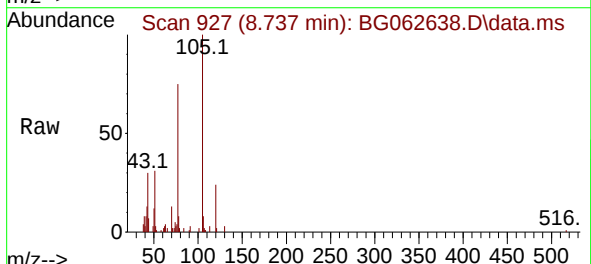
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

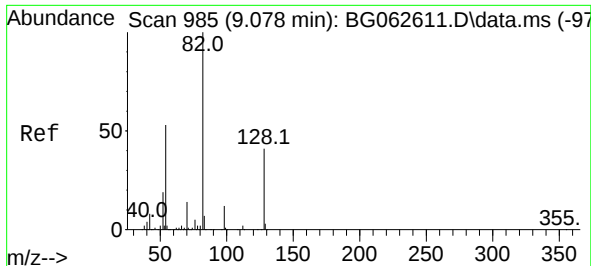
Tgt Ion:136 Resp: 252002
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.6 7.8 11.6
68 6.1 5.1 7.7



#22
Acetophenone
Concen: 3.862 ng
RT: 8.737 min Scan# 927
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:105 Resp: 26256
Ion Ratio Lower Upper
105 100
71 1.9 3.5 5.3#
51 30.9 25.7 38.5
120 23.8 15.7 23.5#





#23

Nitrobenzene-d5

Concen: 86.946 ng

RT: 9.078 min Scan# 90

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

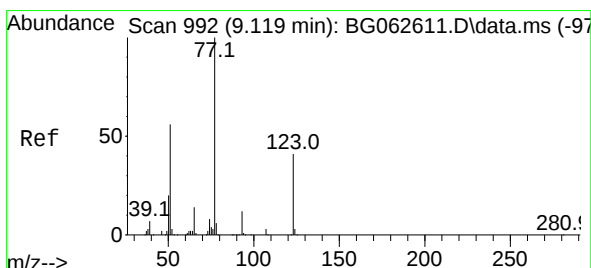
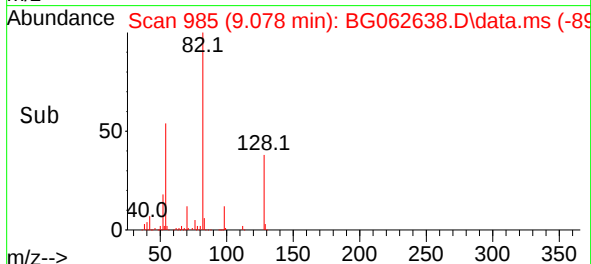
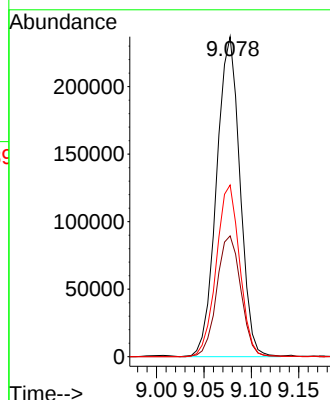
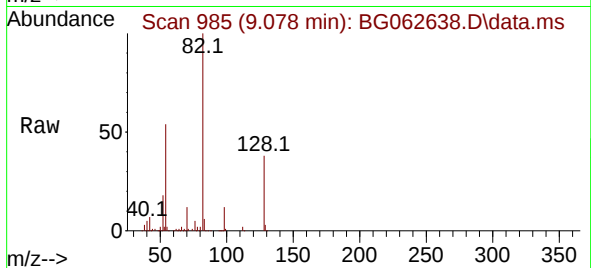
Tgt Ion: 82 Resp: 406836

Ion Ratio Lower Upper

82 100

128 37.7 32.5 48.7

54 53.7 42.5 63.7



#24

Nitrobenzene

Concen: 4.334 ng

RT: 9.119 min Scan# 992

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

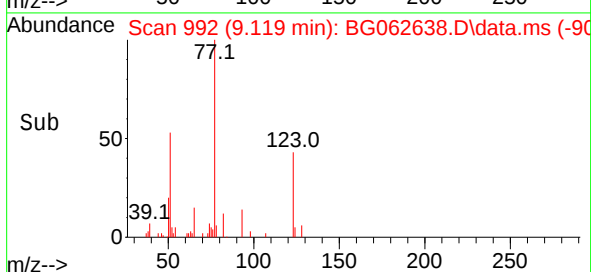
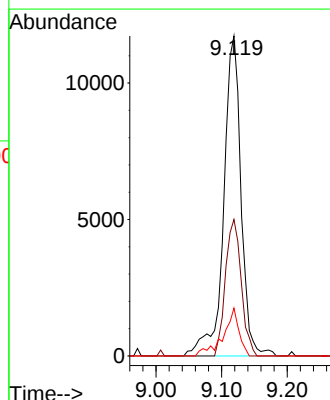
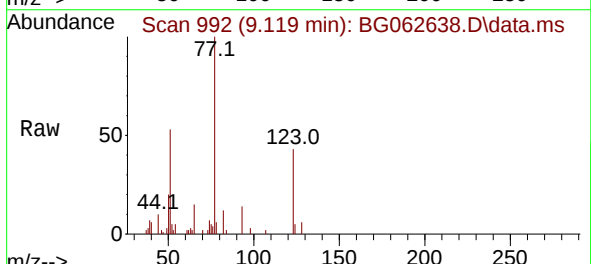
Tgt Ion: 77 Resp: 21562

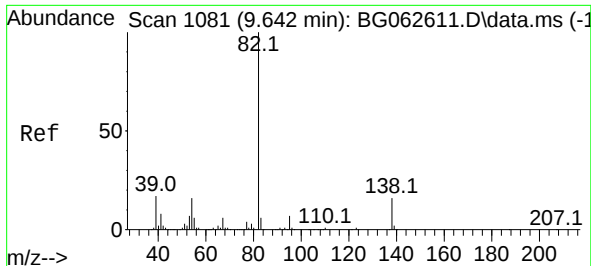
Ion Ratio Lower Upper

77 100

123 42.7 33.1 49.7

65 15.0 11.0 16.4





#25

Isophorone

Concen: 3.796 ng

RT: 9.636 min Scan# 1080

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

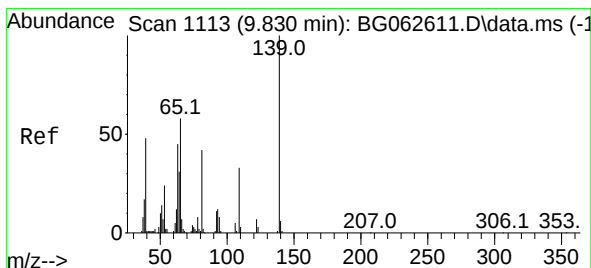
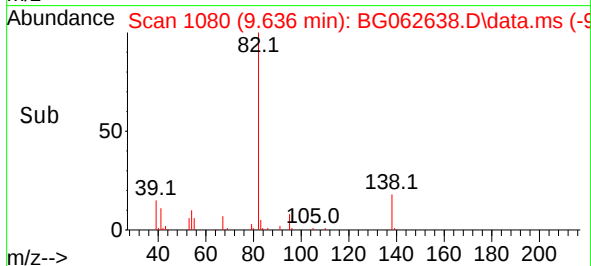
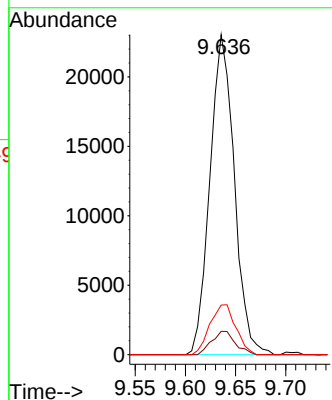
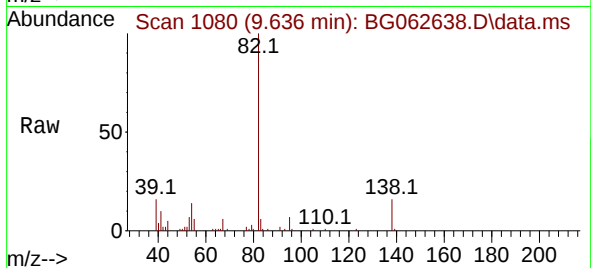
Tgt Ion: 82 Resp: 38992

Ion Ratio Lower Upper

82 100

95 7.3 5.4 8.0

138 15.5 12.6 18.8



#26

2-Nitrophenol

Concen: 3.504 ng

RT: 9.830 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

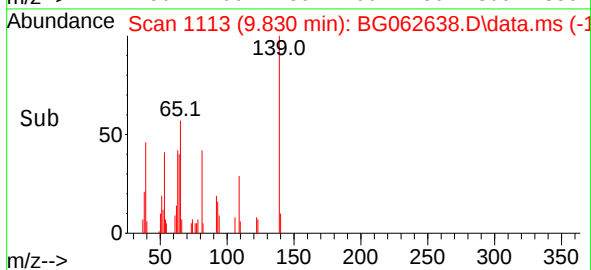
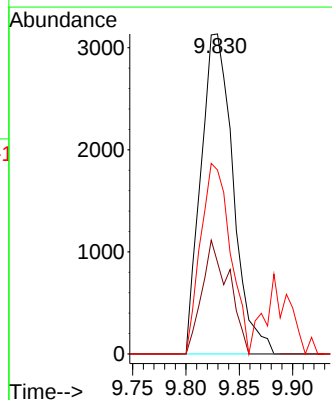
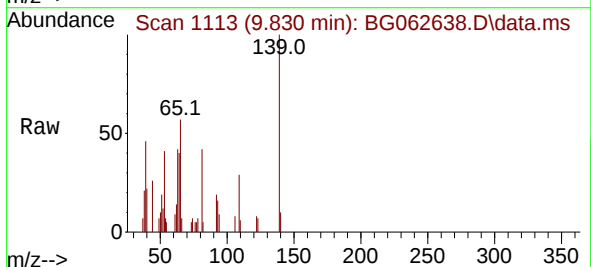
Tgt Ion:139 Resp: 6587

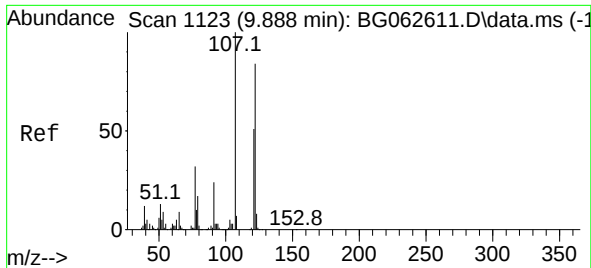
Ion Ratio Lower Upper

139 100

109 28.6 26.6 39.8

65 57.5 46.5 69.7

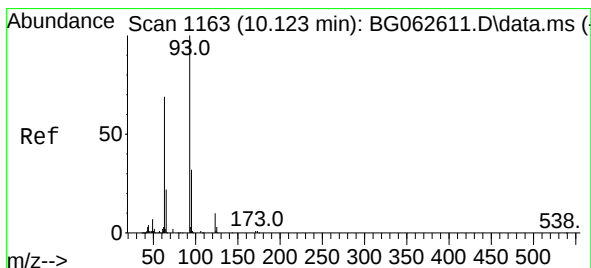
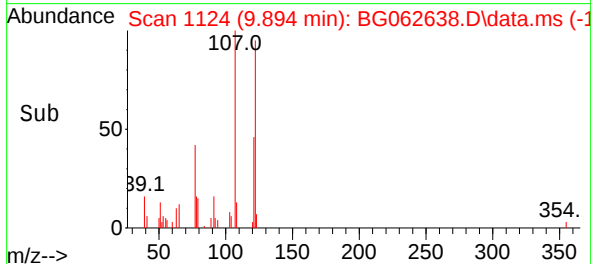
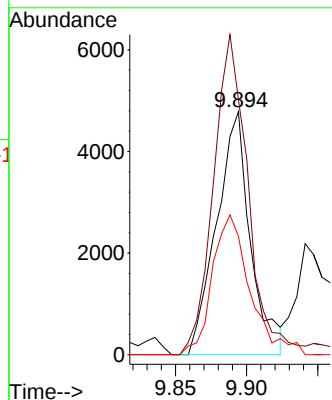
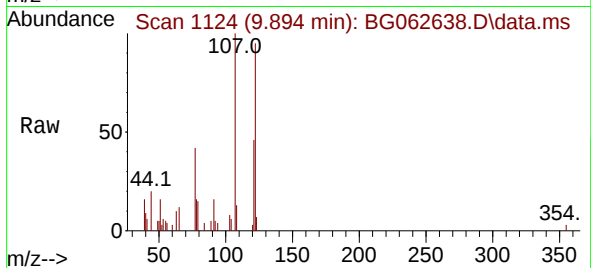




#27
2,4-Dimethylphenol
Concen: 2.880 ng
RT: 9.894 min Scan# 1123
Delta R.T. 0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

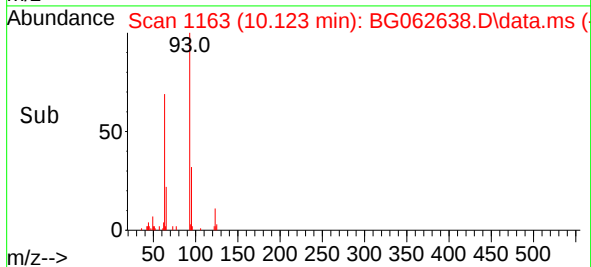
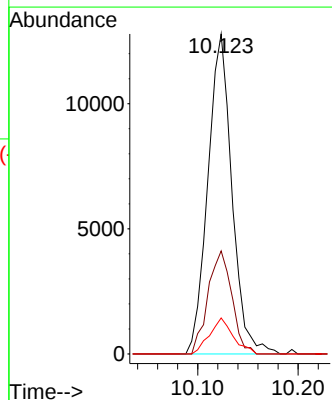
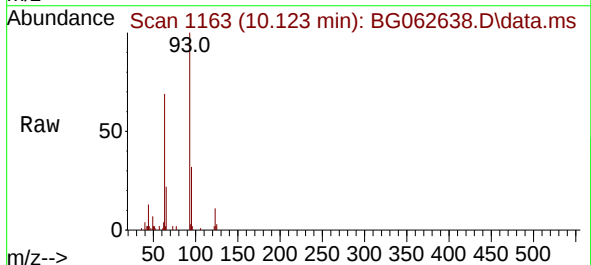
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:122 Resp: 7933
Ion Ratio Lower Upper
122 100
107 105.0 95.8 143.6
121 48.7 48.6 72.8



#28
bis(2-Chloroethoxy)methane
Concen: 3.878 ng
RT: 10.123 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion: 93 Resp: 21325
Ion Ratio Lower Upper
93 100
95 32.2 25.4 38.0
123 11.3 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 3.671 ng

RT: 10.364 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

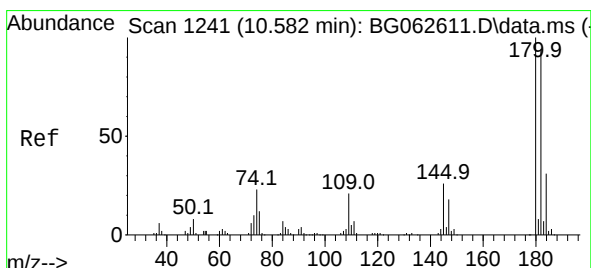
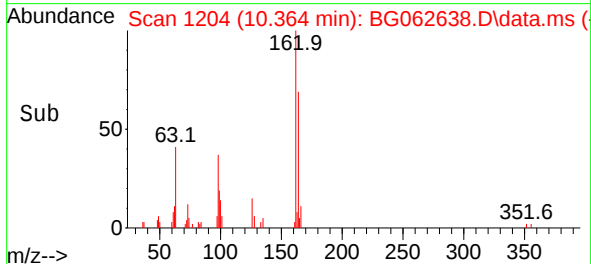
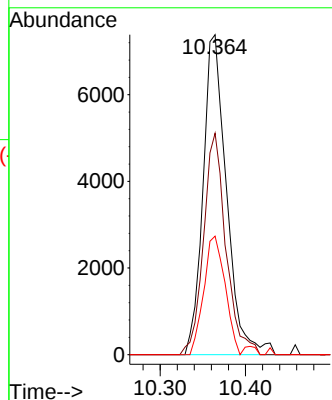
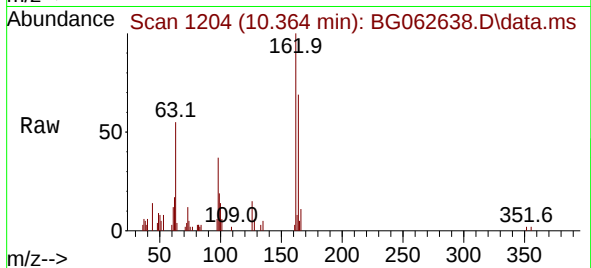
Tgt Ion:162 Resp: 14137

Ion Ratio Lower Upper

162 100

164 69.2 46.8 86.8

98 37.0 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 3.886 ng

RT: 10.576 min Scan# 1240

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

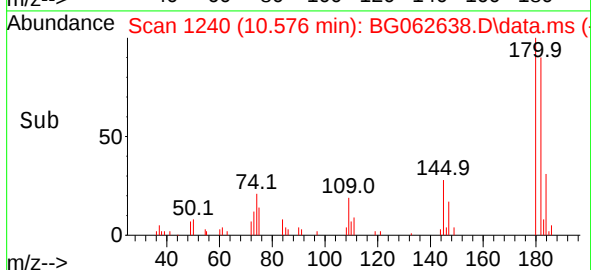
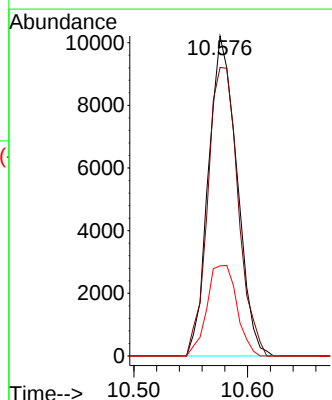
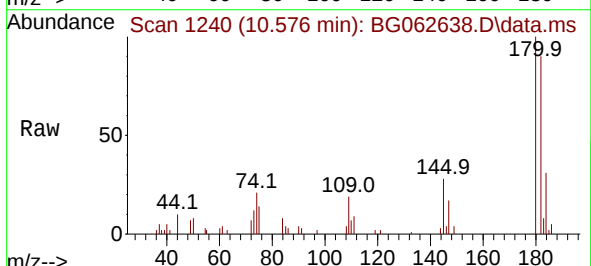
Tgt Ion:180 Resp: 17741

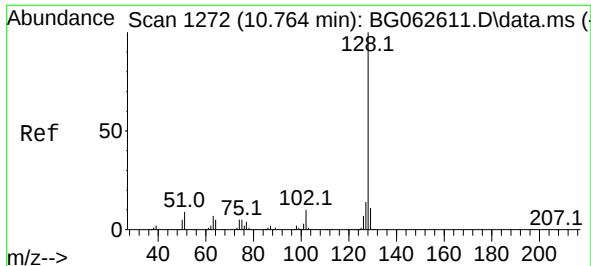
Ion Ratio Lower Upper

180 100

182 90.1 75.1 112.7

145 28.1 20.8 31.2

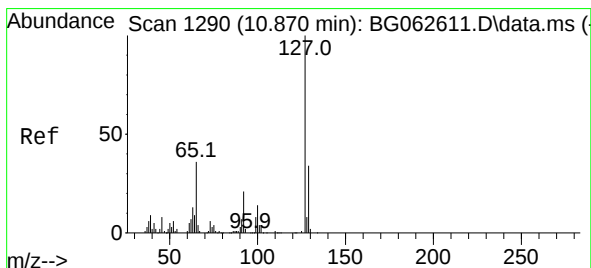
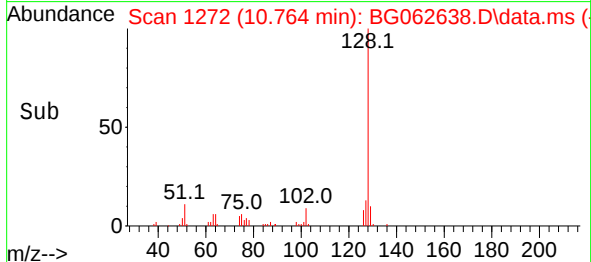
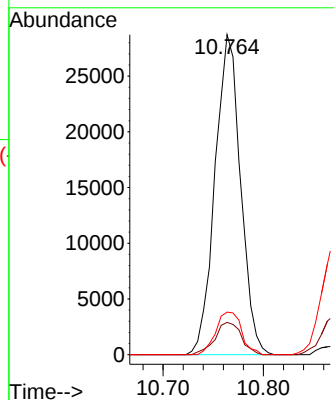
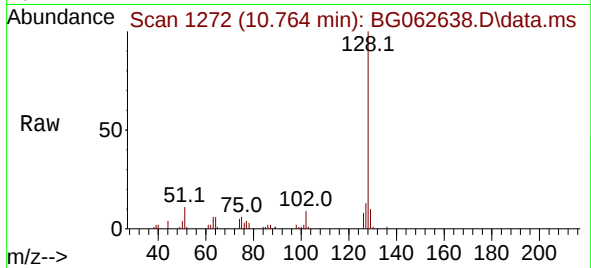




#31
Naphthalene
Concen: 4.064 ng
RT: 10.764 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

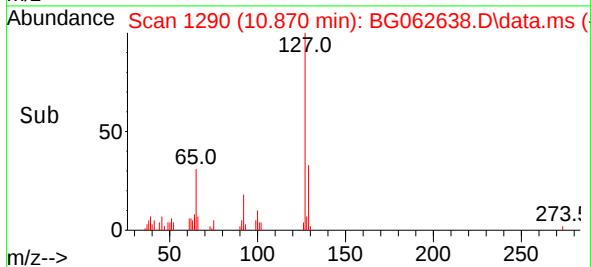
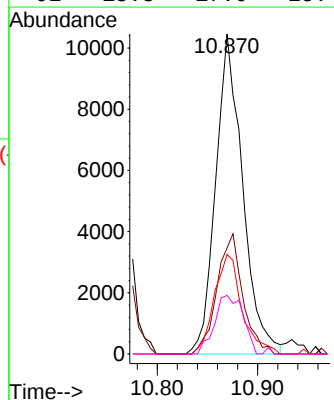
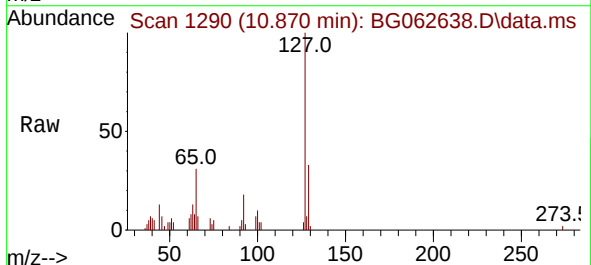
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

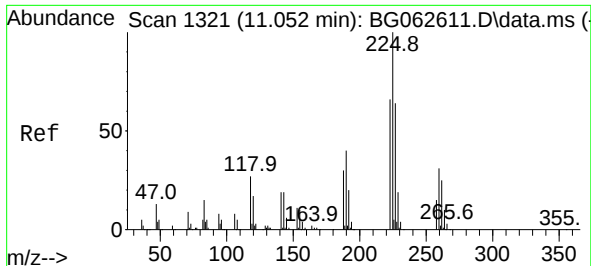
Tgt Ion:	128	Resp:	50762
Ion Ratio	Lower	Upper	
128	100		
129	10.1	8.8	13.2
127	13.3	11.3	16.9



#33
4-Chloroaniline
Concen: 3.961 ng
RT: 10.870 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:	127	Resp:	19470
Ion Ratio	Lower	Upper	
127	100		
129	33.2	27.3	40.9
65	31.1	29.0	43.4
92	18.3	17.0	25.4





#34

Hexachlorobutadiene

Concen: 3.942 ng

RT: 11.052 min Scan# 1416

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

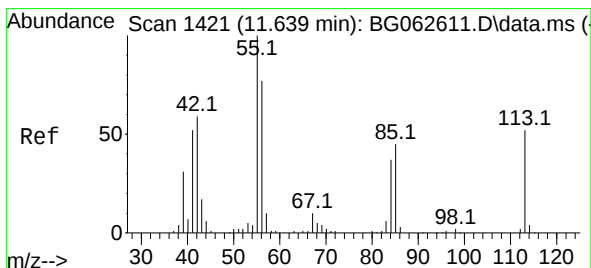
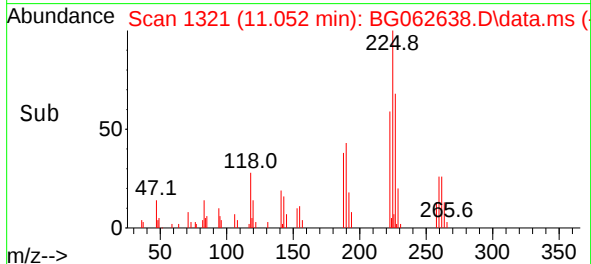
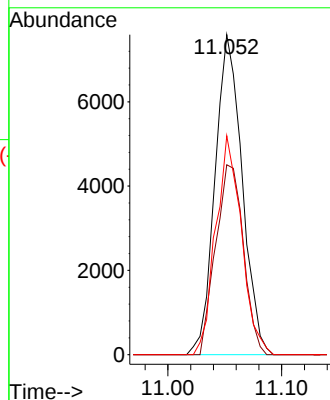
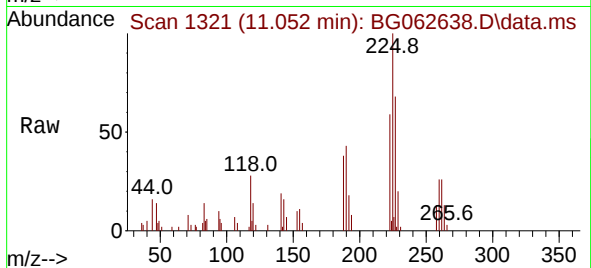
Tgt Ion:225 Resp: 12569

Ion Ratio Lower Upper

225 100

223 55.5 50.1 75.1

227 66.2 48.9 73.3



#35

Caprolactam

Concen: 4.072 ng

RT: 11.610 min Scan# 1416

Delta R.T. -0.029 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

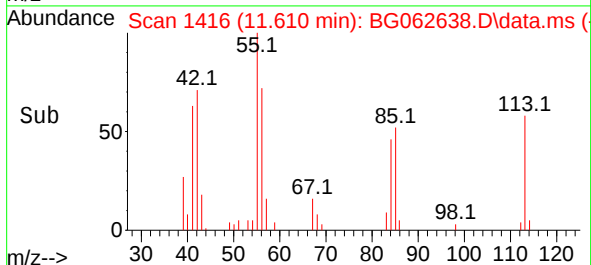
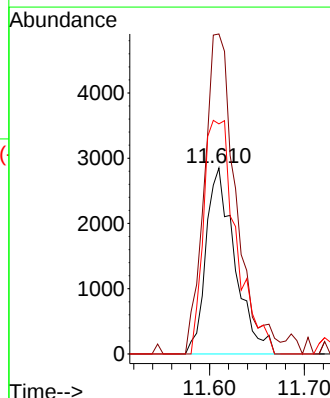
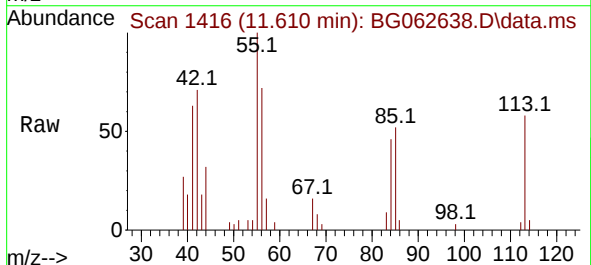
Tgt Ion:113 Resp: 6046

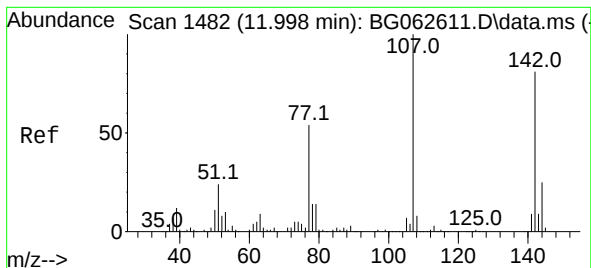
Ion Ratio Lower Upper

113 100

55 172.1 174.1 214.1#

56 123.8 129.8 169.8#

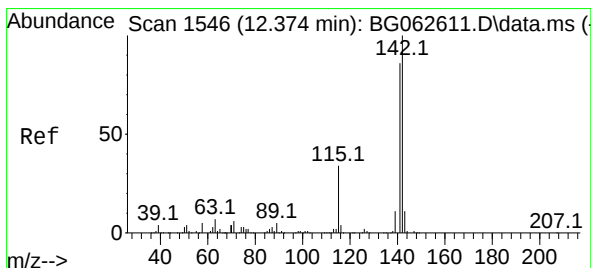
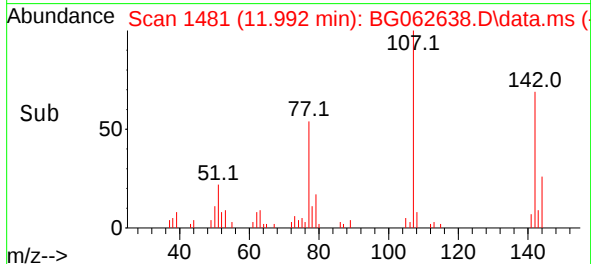
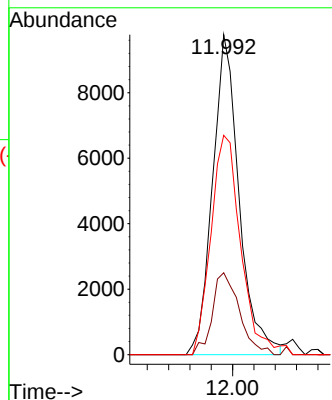
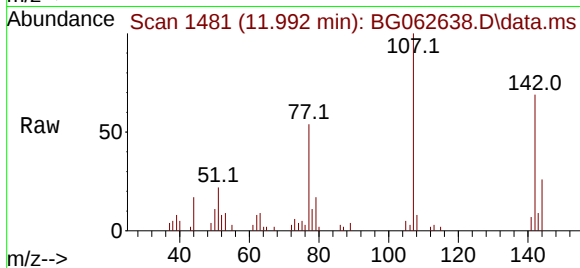




#36
4-Chloro-3-methylphenol
Concen: 3.628 ng
RT: 11.992 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

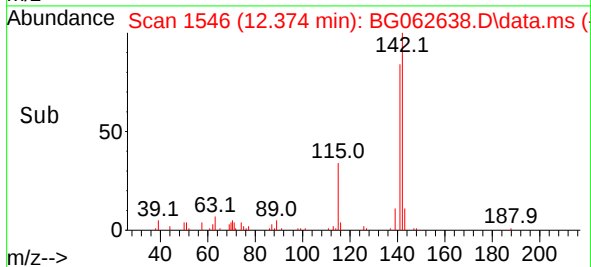
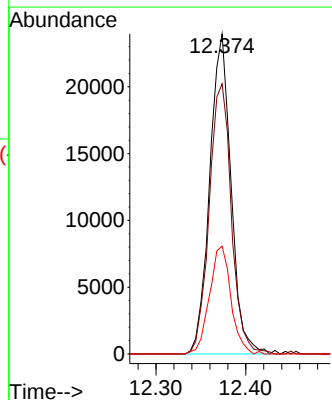
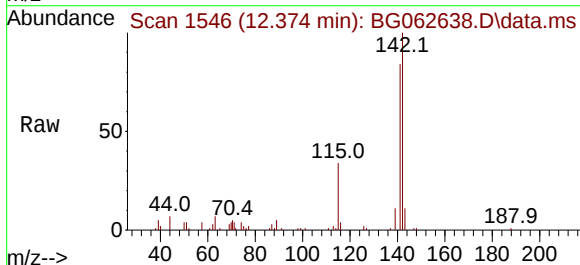
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

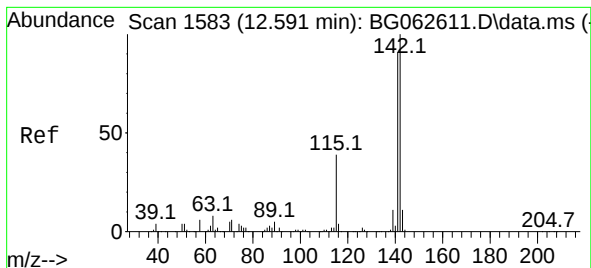
Tgt Ion:107 Resp: 16855
Ion Ratio Lower Upper
107 100
144 25.6 19.8 29.8
142 68.5 64.7 97.1



#37
2-Methylnaphthalene
Concen: 4.074 ng
RT: 12.374 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:142 Resp: 39470
Ion Ratio Lower Upper
142 100
141 84.5 68.9 103.3
115 33.7 27.5 41.3





#38

1-Methylnaphthalene

Concen: 4.057 ng

RT: 12.374 min Scan# 1

Delta R.T. -0.217 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

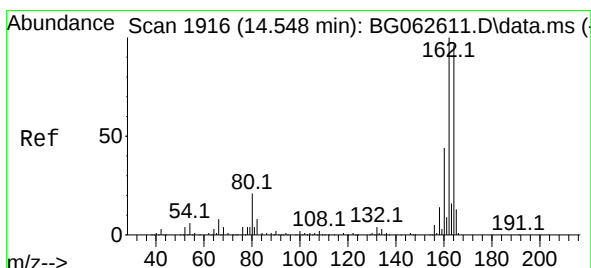
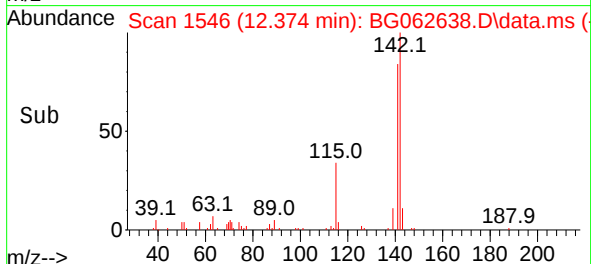
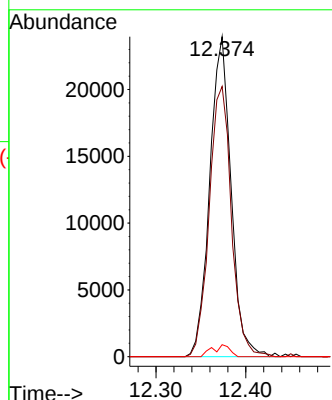
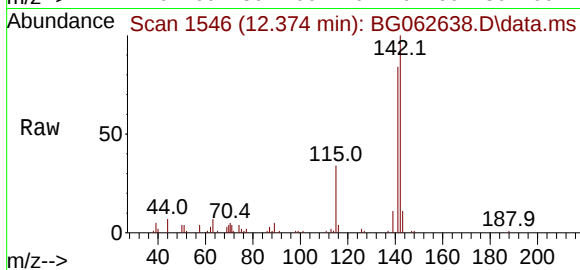
Tgt Ion:142 Resp: 39470

Ion Ratio Lower Upper

142 100

141 84.5 73.0 109.4

116 3.8 3.2 4.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.548 min Scan# 1916

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

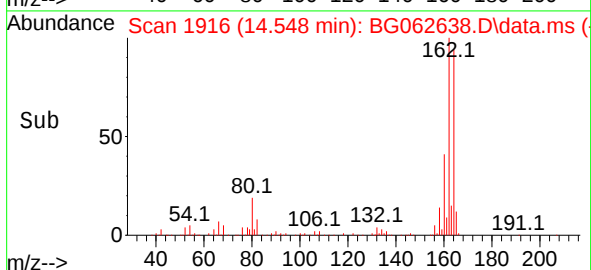
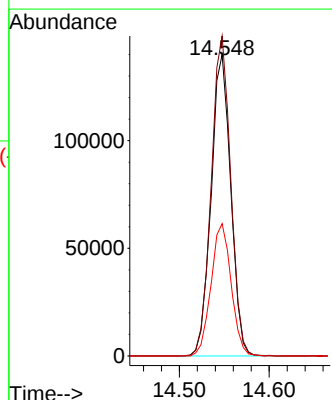
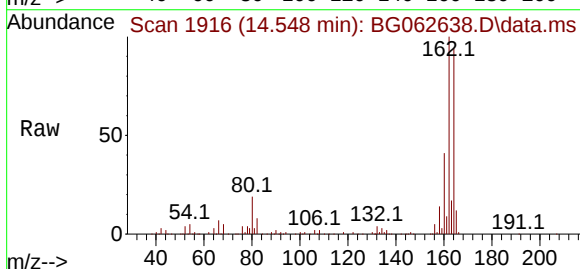
Tgt Ion:164 Resp: 211850

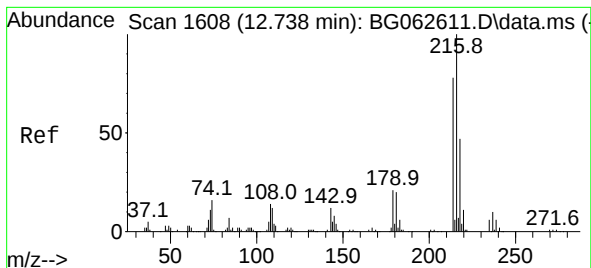
Ion Ratio Lower Upper

164 100

162 106.2 83.1 124.7

160 43.9 36.2 54.4





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.245 ng

RT: 12.738 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG062638.D

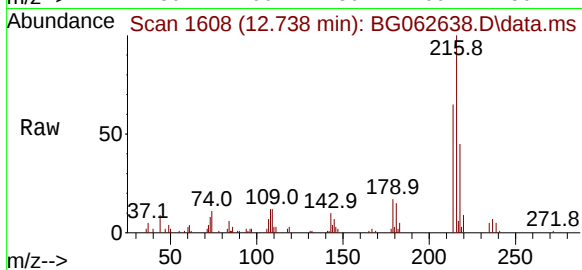
Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:216 Resp: 27047

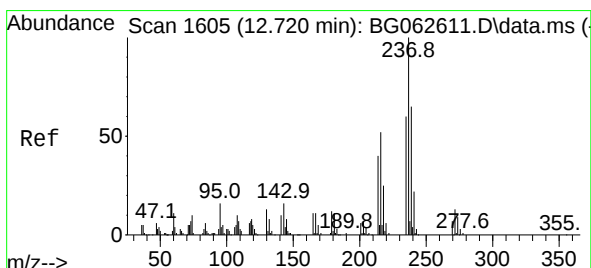
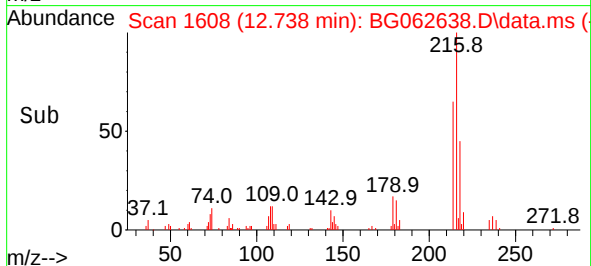
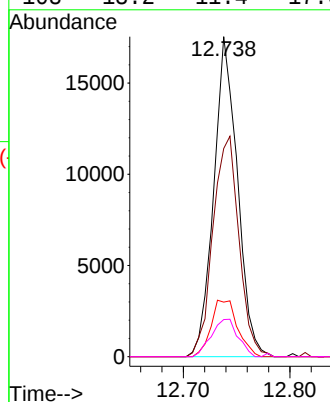
Ion Ratio Lower Upper

216 100

214 75.7 61.6 92.4

179 19.8 15.9 23.9

108 13.2 11.4 17.0



#41

Hexachlorocyclopentadiene

Concen: 3.156 ng

RT: 12.720 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

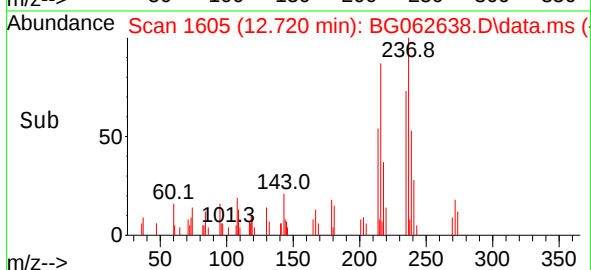
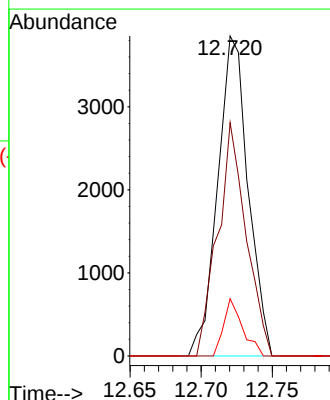
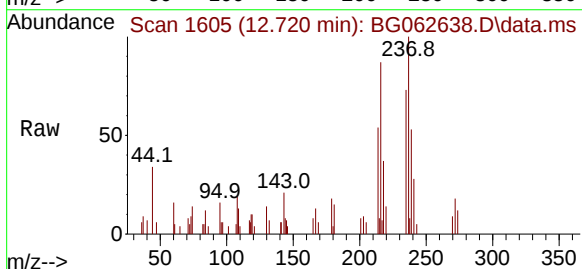
Tgt Ion:237 Resp: 5737

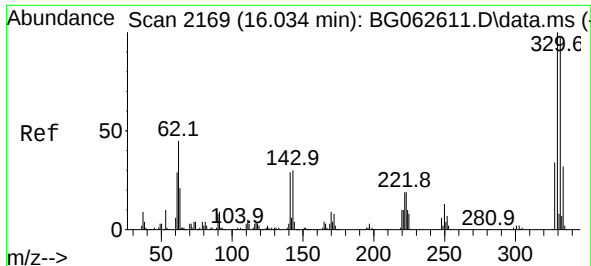
Ion Ratio Lower Upper

237 100

235 72.9 40.4 80.4

272 17.9 0.0 32.7





#42

2,4,6-Tribromophenol

Concen: 137.197 ng

RT: 16.034 min Scan# 2169

Delta R.T. -0.000 min

Lab File: BG062638.D

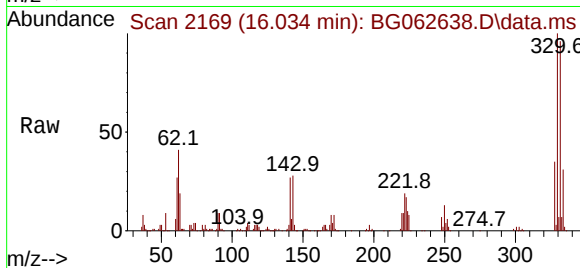
Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



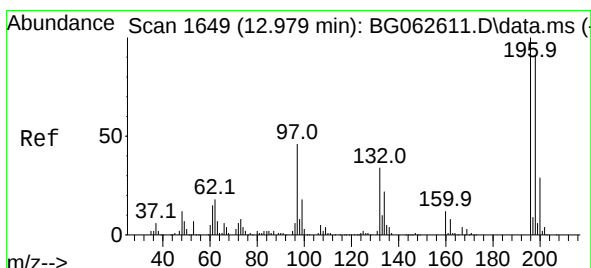
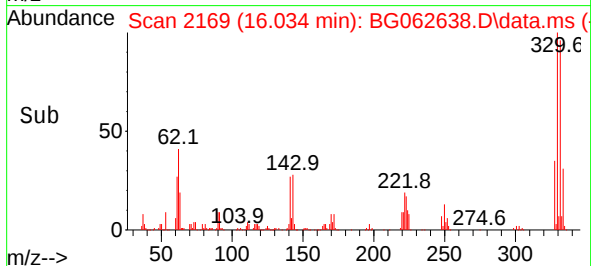
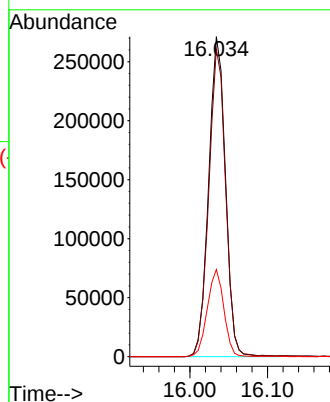
Tgt Ion:330 Resp: 409039

Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

141 26.8 22.2 33.4



#43

2,4,6-Trichlorophenol

Concen: 4.288 ng

RT: 13.049 min Scan# 1661

Delta R.T. 0.070 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

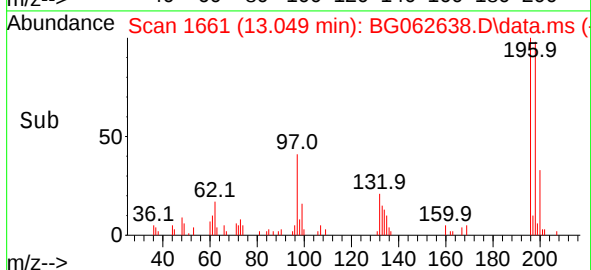
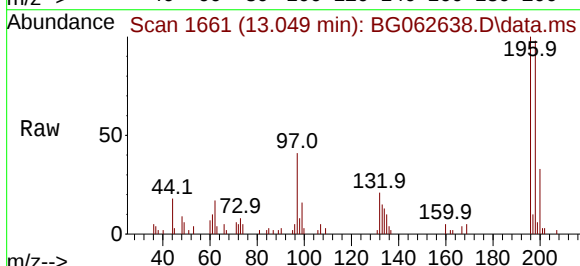
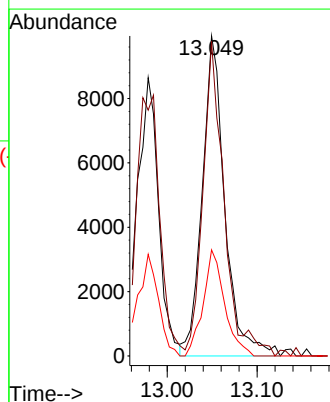
Tgt Ion:196 Resp: 17320

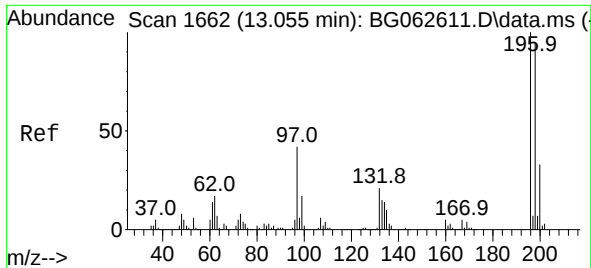
Ion Ratio Lower Upper

196 100

198 98.3 72.8 109.2

200 33.2 23.5 35.3

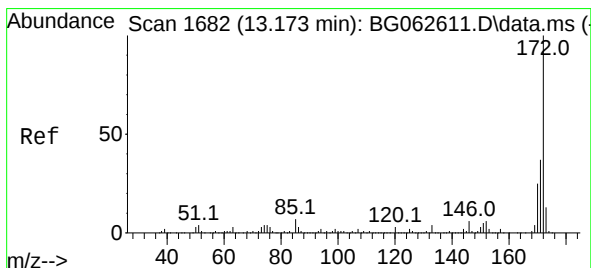
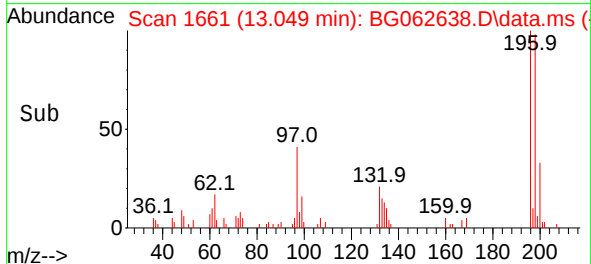
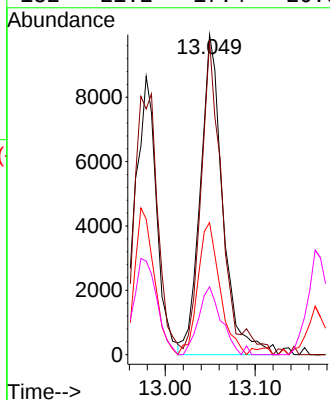
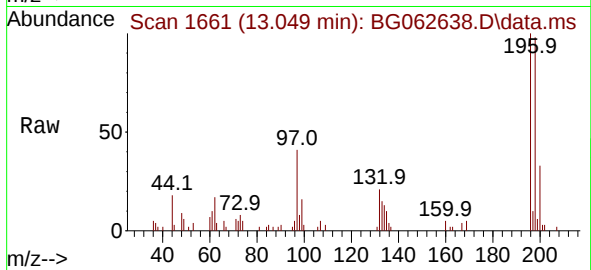




#44
2,4,5-Trichlorophenol
Concen: 3.787 ng
RT: 13.049 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

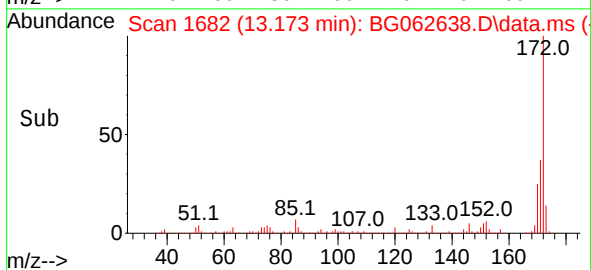
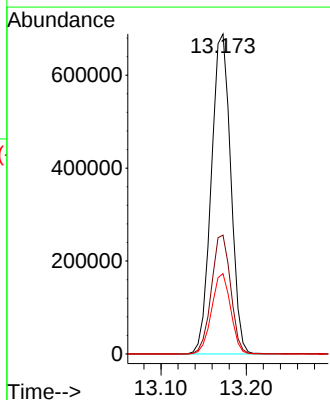
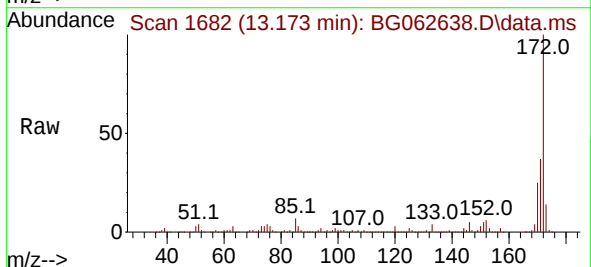
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

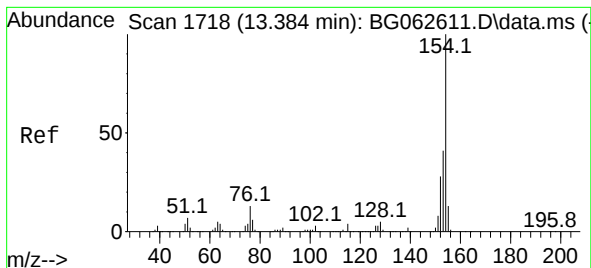
Tgt Ion:196 Resp: 17320
Ion Ratio Lower Upper
196 100
198 98.3 75.5 113.3
97 41.3 34.1 51.1
132 21.2 17.4 26.0



#45
2-Fluorobiphenyl
Concen: 83.603 ng
RT: 13.173 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:172 Resp: 1093426
Ion Ratio Lower Upper
172 100
171 37.2 29.7 44.5
170 25.1 20.0 30.0

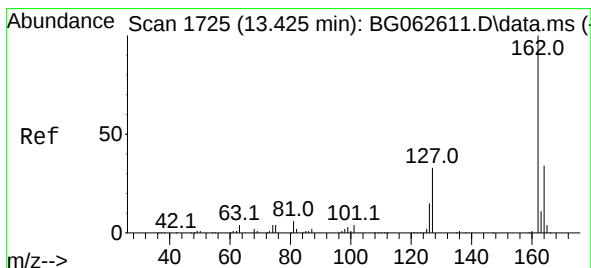
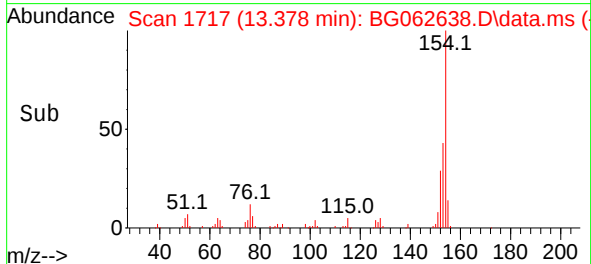
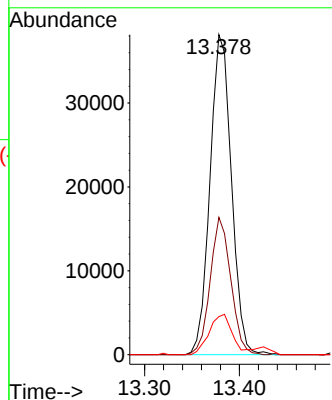
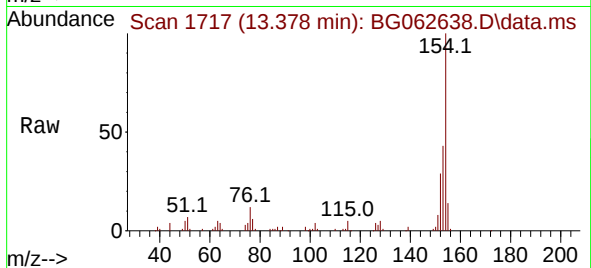




#46
1,1'-Biphenyl
Concen: 4.236 ng
RT: 13.378 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

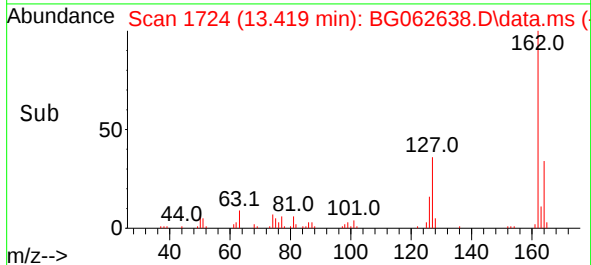
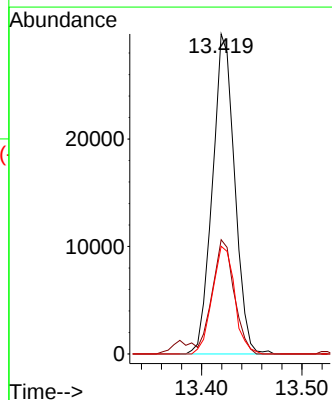
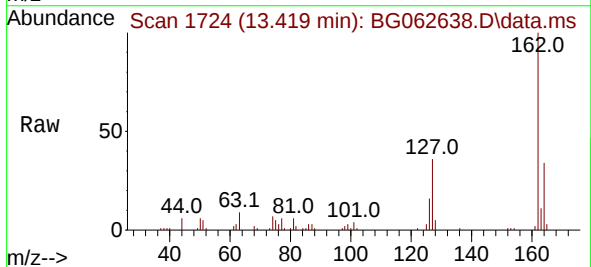
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

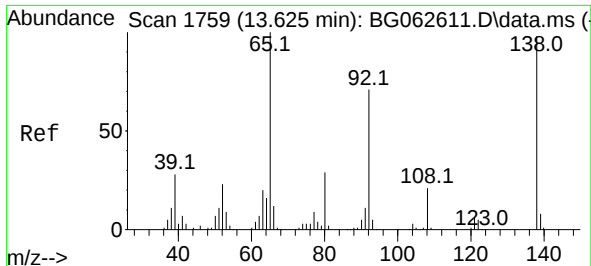
Tgt Ion:154 Resp: 59875
Ion Ratio Lower Upper
154 100
153 42.9 20.8 60.8
76 11.9 0.0 33.4



#47
2-Chloronaphthalene
Concen: 3.992 ng
RT: 13.419 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:162 Resp: 45727
Ion Ratio Lower Upper
162 100
127 35.7 28.7 43.1
164 33.6 26.9 40.3

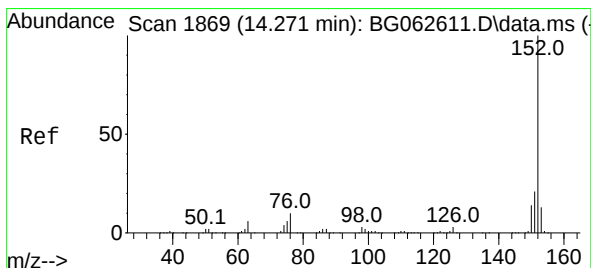
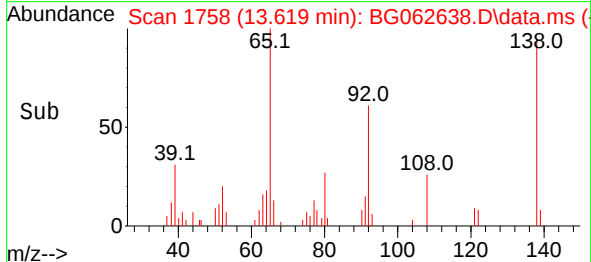
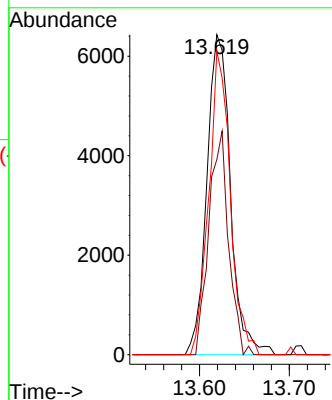
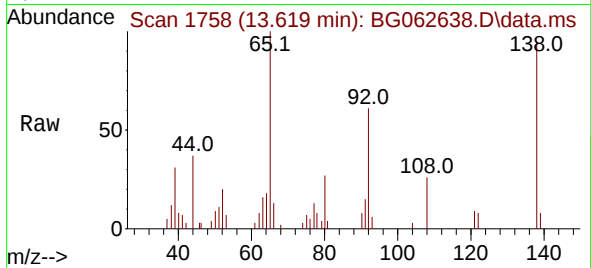




#48
2-Nitroaniline
Concen: 3.893 ng
RT: 13.619 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

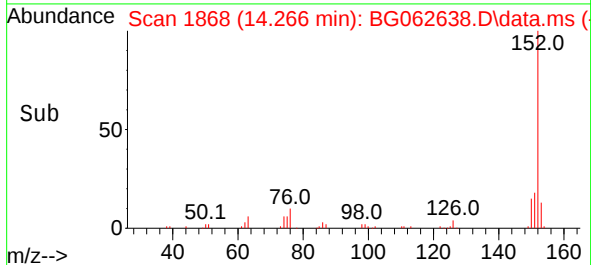
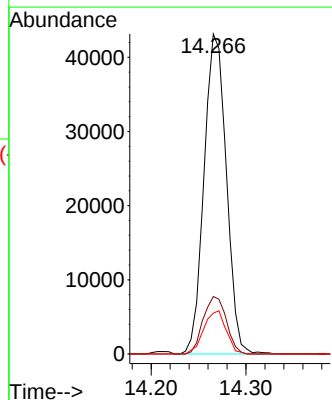
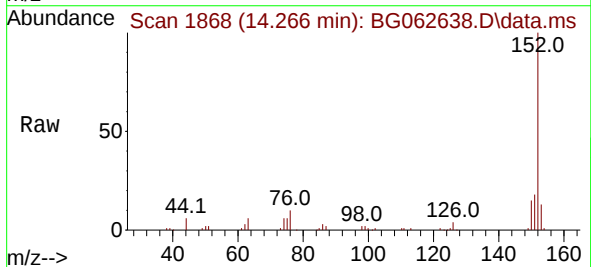
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

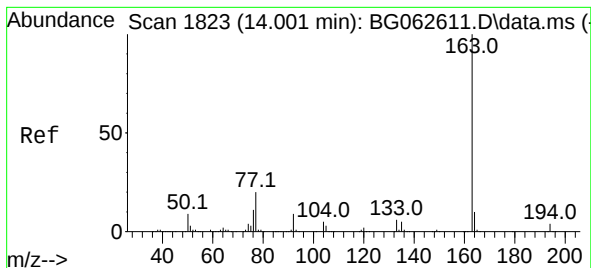
Tgt Ion: 65 Resp: 11727
Ion Ratio Lower Upper
65 100
92 61.0 56.6 84.8
138 94.9 78.7 118.1



#49
Acenaphthylene
Concen: 4.158 ng
RT: 14.266 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion: 152 Resp: 70533
Ion Ratio Lower Upper
152 100
151 17.9 16.6 24.8
153 12.8 10.2 15.4





#50

Dimethylphthalate

Concen: 4.066 ng

RT: 13.995 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

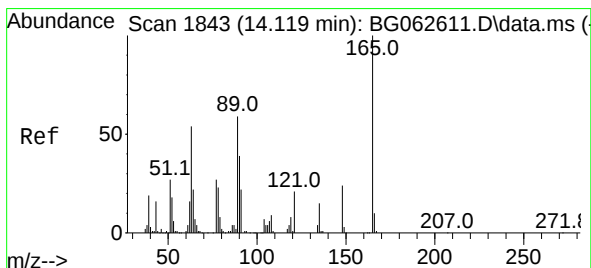
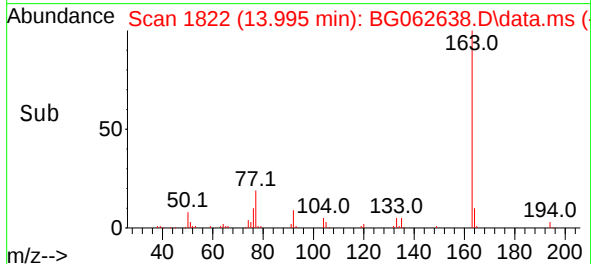
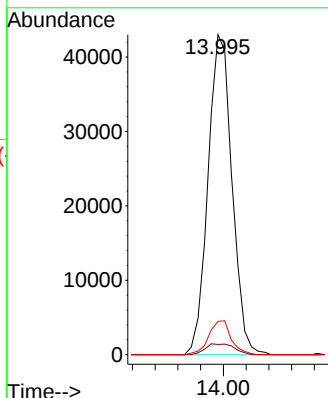
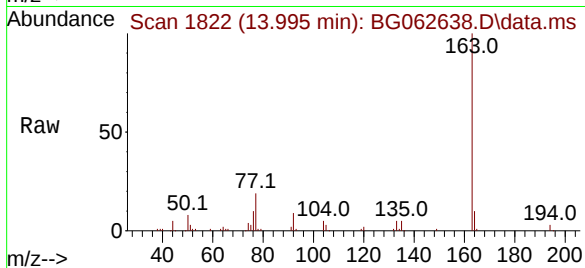
Tgt Ion:163 Resp: 62992

Ion Ratio Lower Upper

163 100

194 3.2 2.9 4.3

164 10.4 8.3 12.5



#51

2,6-Dinitrotoluene

Concen: 3.500 ng

RT: 14.113 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

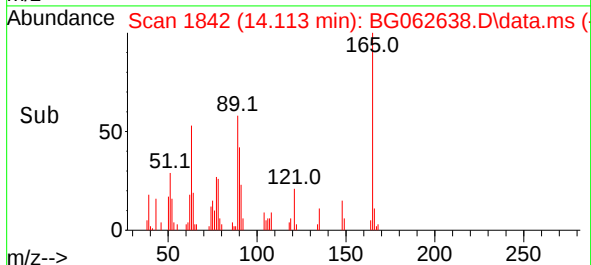
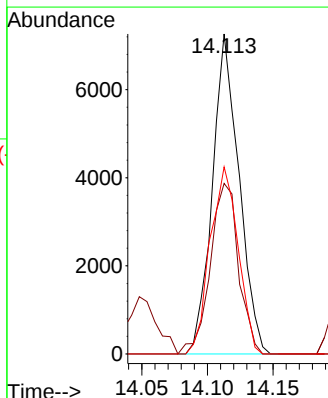
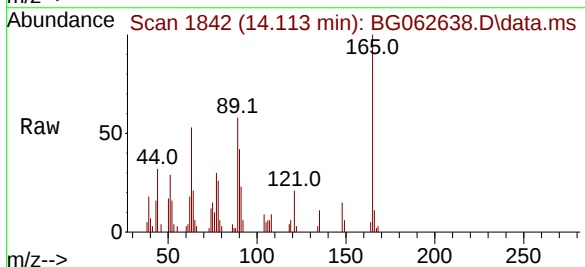
Tgt Ion:165 Resp: 10255

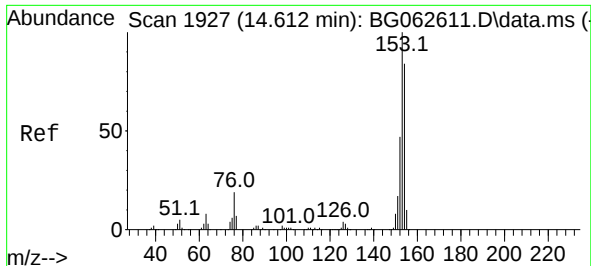
Ion Ratio Lower Upper

165 100

63 53.3 46.6 69.8

89 58.4 47.2 70.8

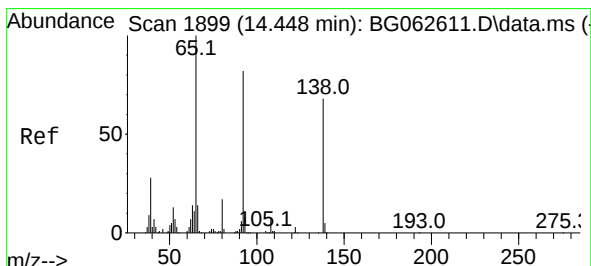
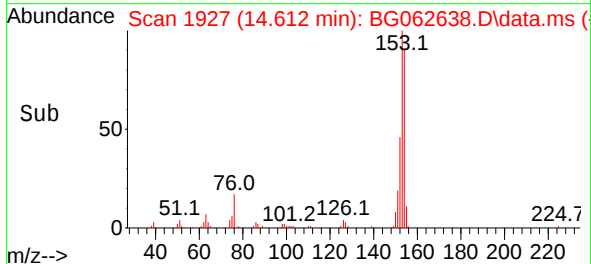
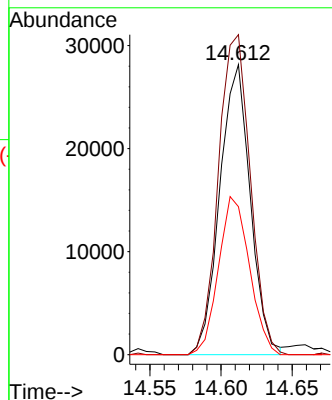
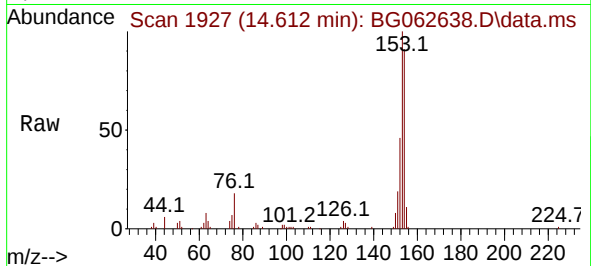




#52
Acenaphthene
Concen: 3.965 ng
RT: 14.612 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

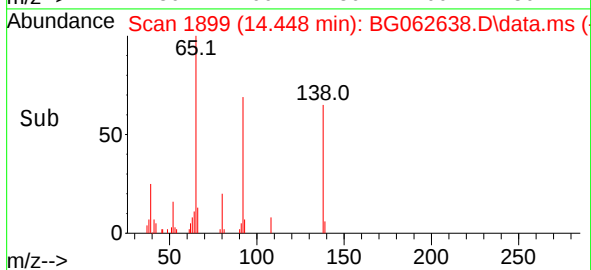
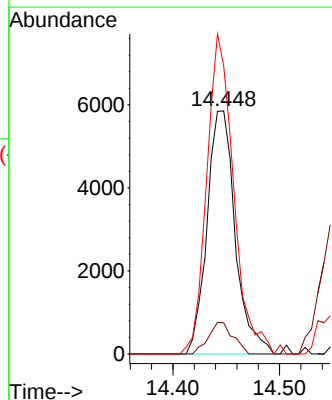
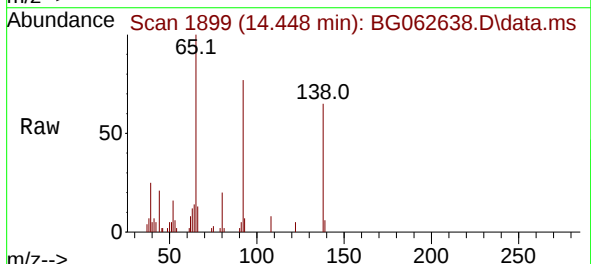
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

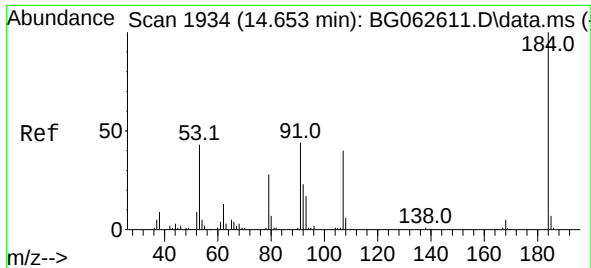
Tgt Ion:154 Resp: 42040
Ion Ratio Lower Upper
154 100
153 110.3 95.0 142.4
152 51.0 45.0 67.6



#53
3-Nitroaniline
Concen: 3.781 ng
RT: 14.448 min Scan# 1899
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:138 Resp: 10721
Ion Ratio Lower Upper
138 100
108 12.8 8.6 13.0
92 118.4 95.7 143.5

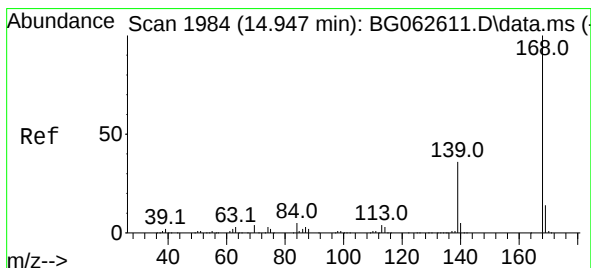
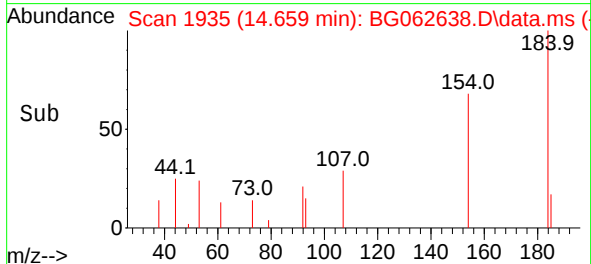
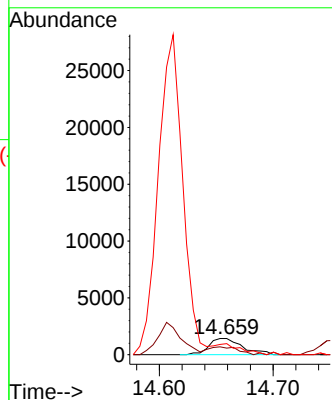
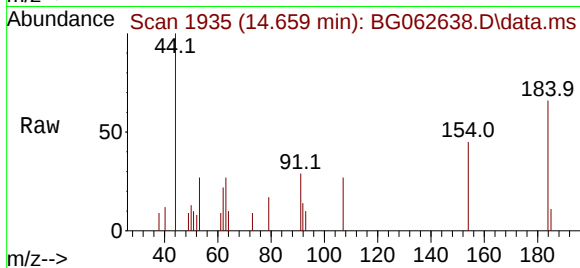




#54
2,4-Dinitrophenol
Concen: 1.775 ng
RT: 14.659 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

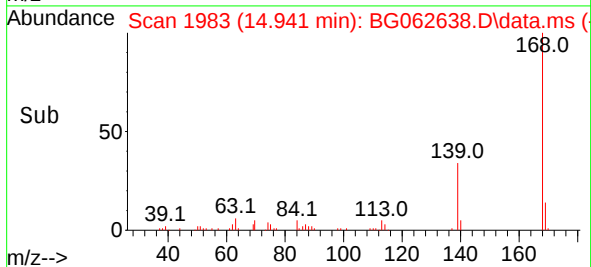
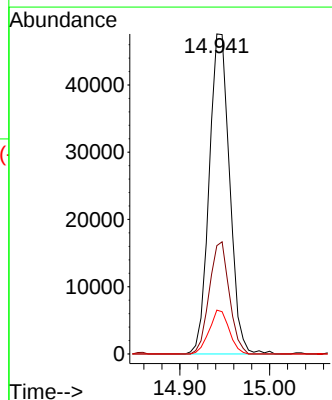
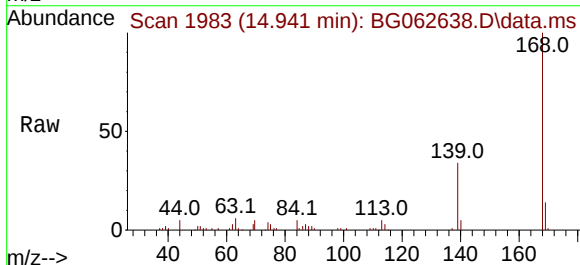
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

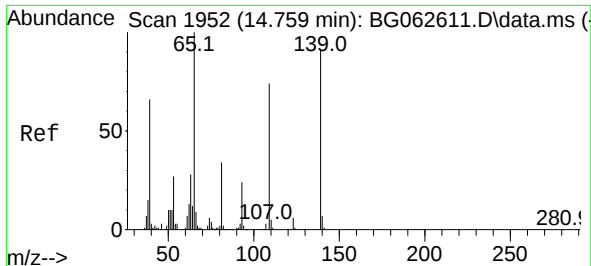
Tgt Ion:184 Resp: 2918
Ion Ratio Lower Upper
184 100
63 40.5 49.0 73.4#
154 68.0 50.5 75.7



#55
Dibenzofuran
Concen: 4.134 ng
RT: 14.941 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:168 Resp: 75177
Ion Ratio Lower Upper
168 100
139 33.9 28.6 42.8
169 13.7 11.0 16.6





#56

4-Nitrophenol

Concen: 3.508 ng

RT: 14.753 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BG062638.D

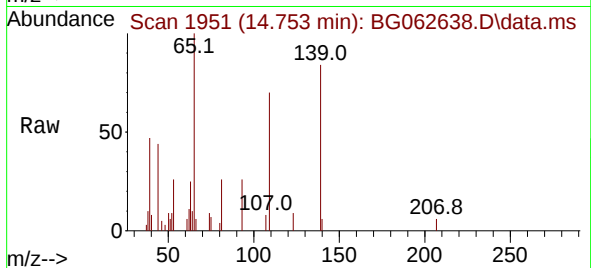
Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



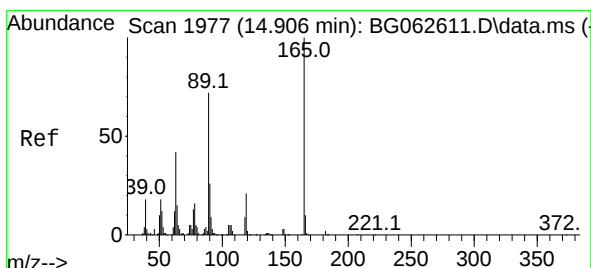
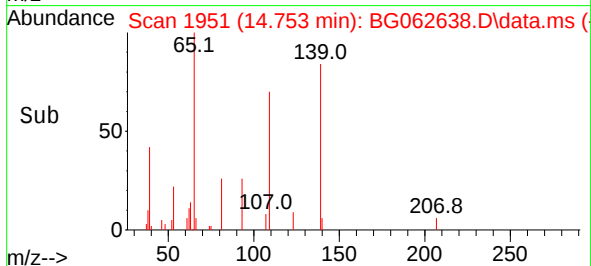
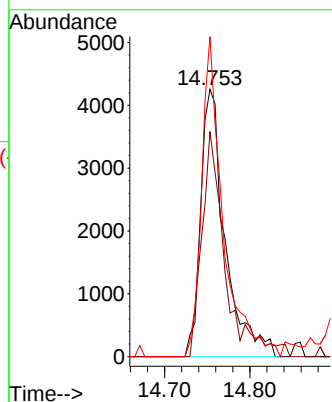
Tgt Ion:139 Resp: 8430

Ion Ratio Lower Upper

139 100

109 84.2 61.2 101.2

65 119.7 90.2 130.2



#57

2,4-Dinitrotoluene

Concen: 3.435 ng

RT: 14.900 min Scan# 1976

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Tgt Ion:165 Resp: 13731

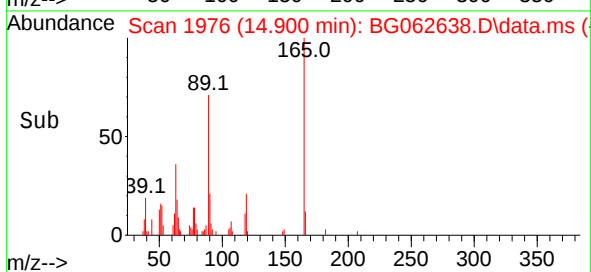
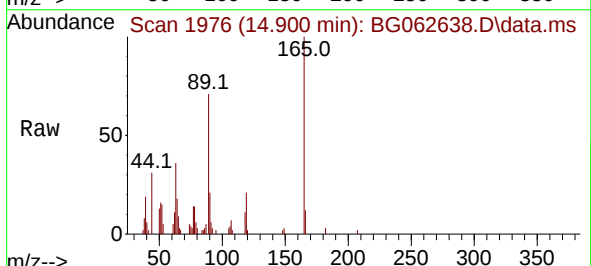
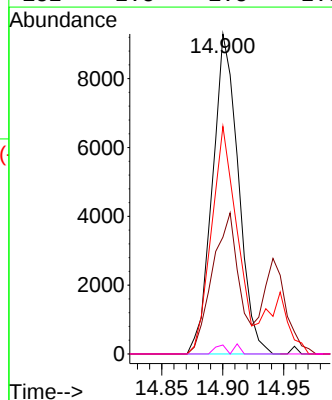
Ion Ratio Lower Upper

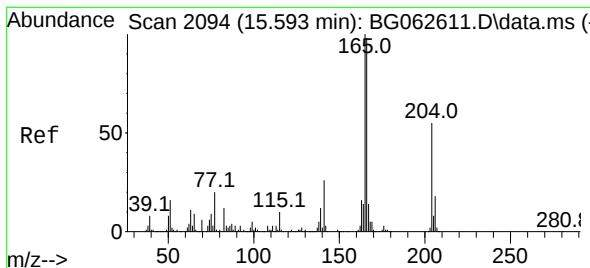
165 100

63 36.5 33.8 50.6

89 71.1 57.9 86.9

182 2.8 1.8 2.8#





#58

Fluorene

Concen: 4.143 ng

RT: 15.593 min Scan# 2094

Delta R.T. -0.000 min

Lab File: BG062638.D

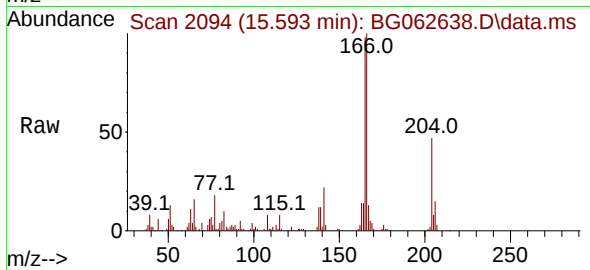
Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



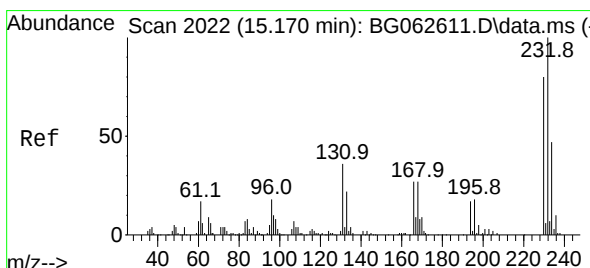
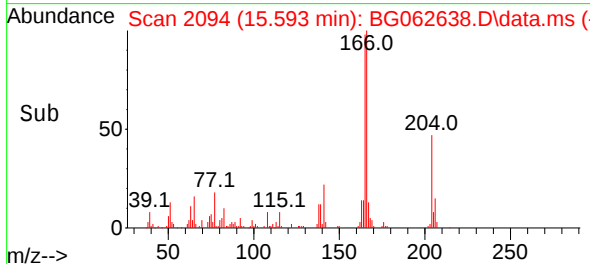
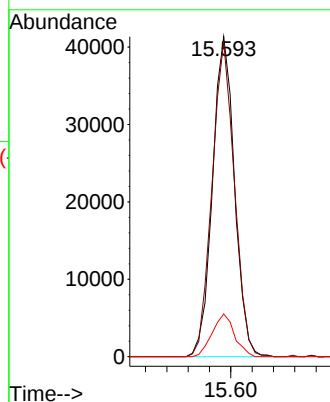
Tgt Ion:166 Resp: 59126

Ion Ratio Lower Upper

166 100

165 98.5 82.0 123.0

167 13.3 11.3 16.9



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.602 ng

RT: 15.088 min Scan# 2008

Delta R.T. -0.082 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Tgt Ion:232 Resp: 15608

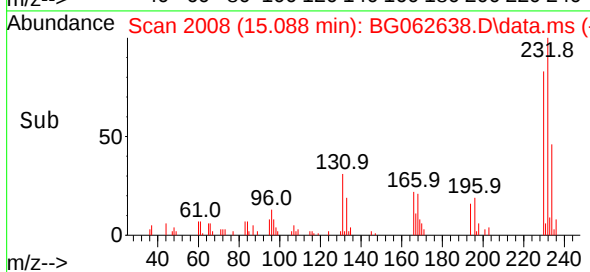
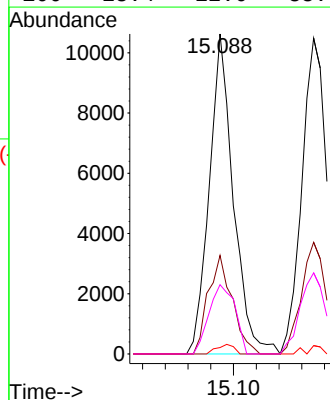
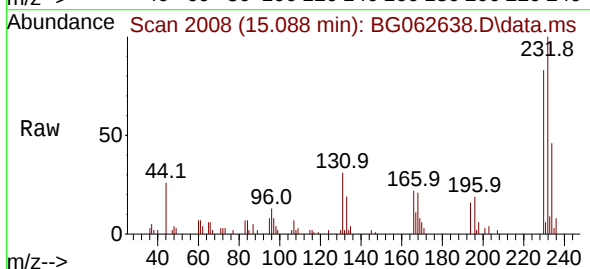
Ion Ratio Lower Upper

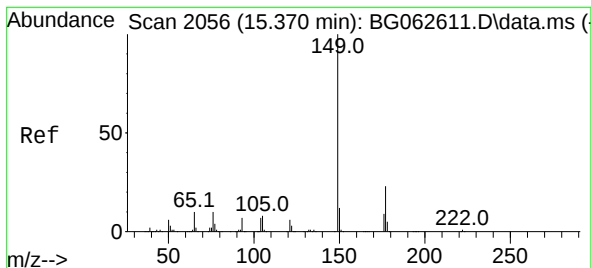
232 100

131 30.8 28.3 42.5

130 2.1 1.7 2.5

166 23.4 22.0 33.0





#60

Diethylphthalate

Concen: 3.942 ng

RT: 15.364 min Scan# 2056

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

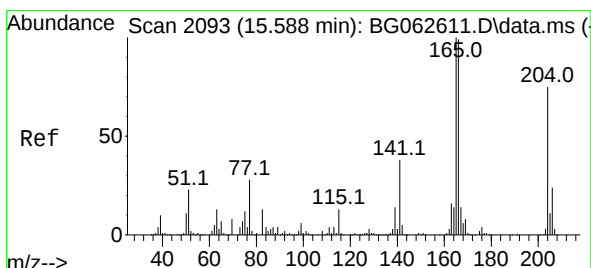
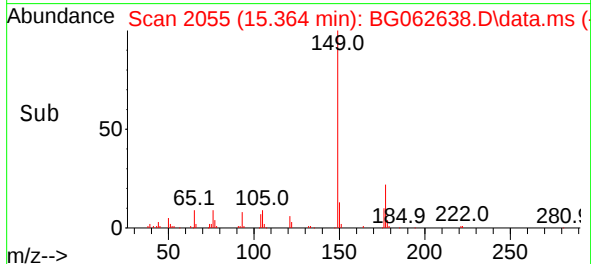
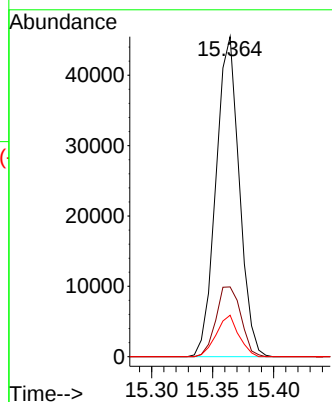
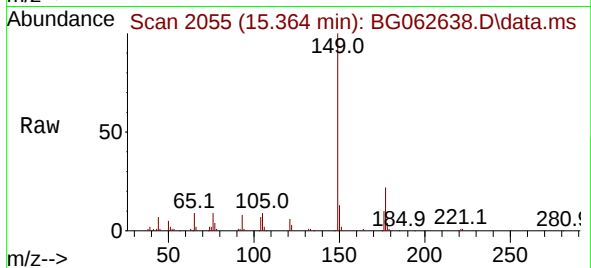
Tgt Ion:149 Resp: 60523

Ion Ratio Lower Upper

149 100

177 21.8 18.0 27.0

150 12.9 9.8 14.8



#61

4-Chlorophenyl-phenylether

Concen: 4.221 ng

RT: 15.588 min Scan# 2093

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

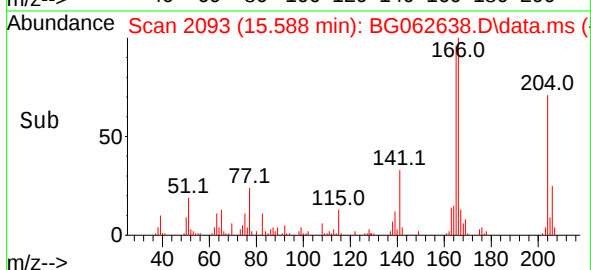
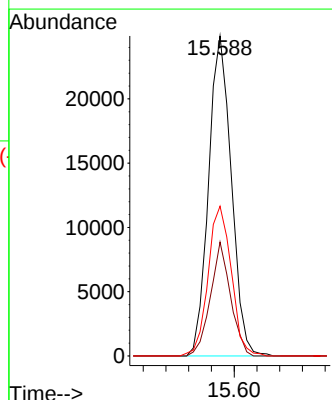
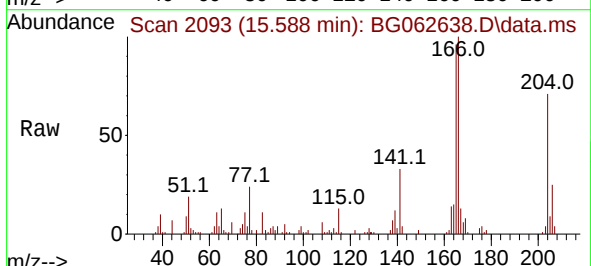
Tgt Ion:204 Resp: 34580

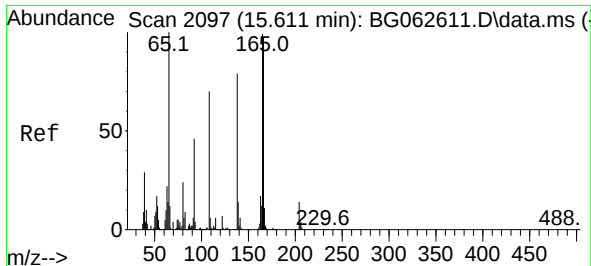
Ion Ratio Lower Upper

204 100

206 35.6 25.9 38.9

141 46.8 41.0 61.6





#62

4-Nitroaniline

Concen: 3.635 ng

RT: 15.605 min Scan# 2097

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

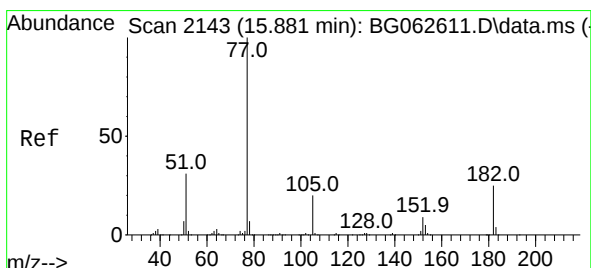
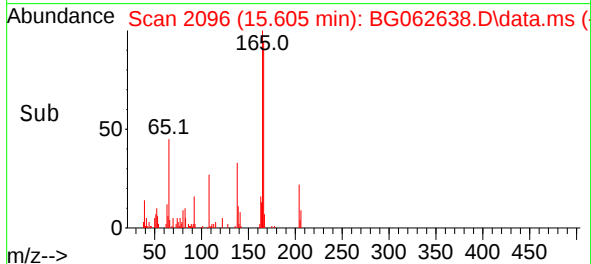
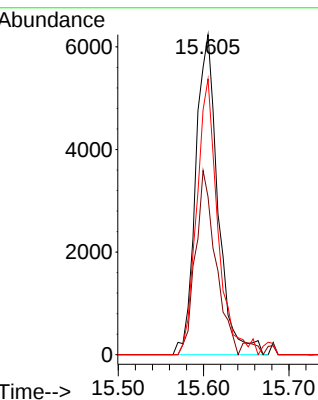
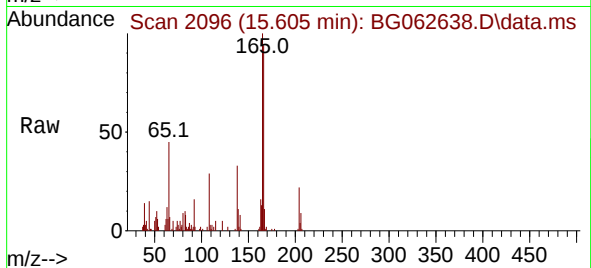
Tgt Ion:138 Resp: 11365

Ion Ratio Lower Upper

138 100

92 49.3 38.4 78.4

108 86.1 69.0 109.0



#63

Azobenzene

Concen: 3.952 ng

RT: 15.881 min Scan# 2143

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Tgt Ion: 77 Resp: 56972

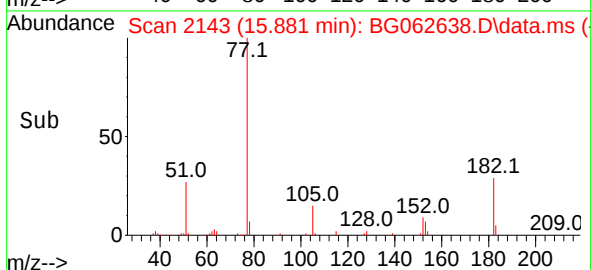
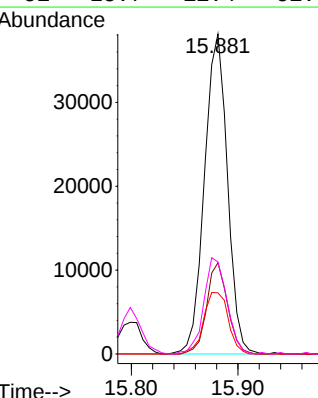
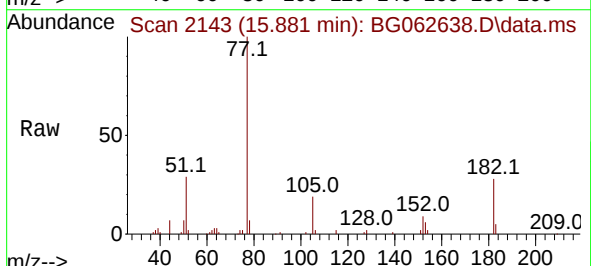
Ion Ratio Lower Upper

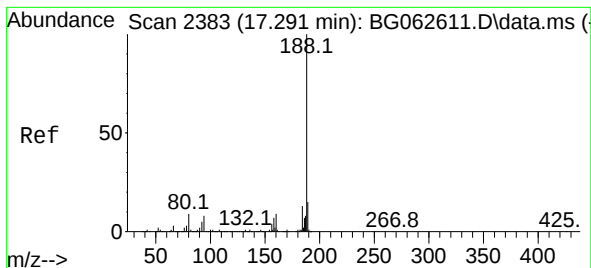
77 100

182 28.5 5.0 45.0

105 19.1 0.5 40.5

51 28.7 11.4 51.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.291 min Scan# 2106

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

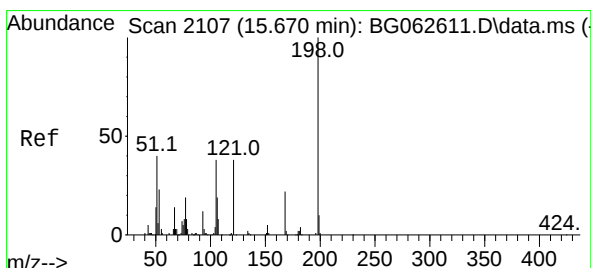
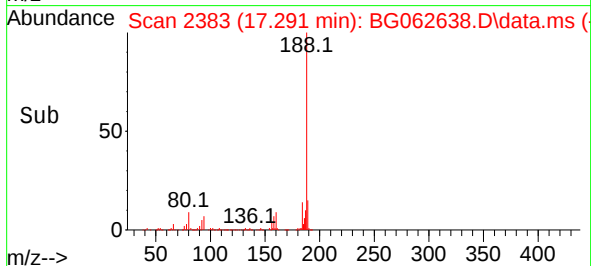
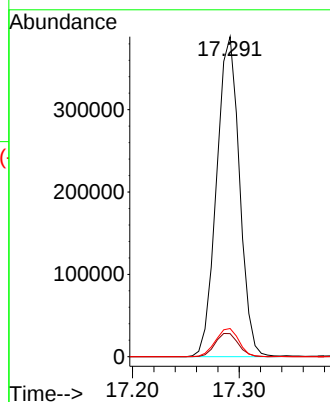
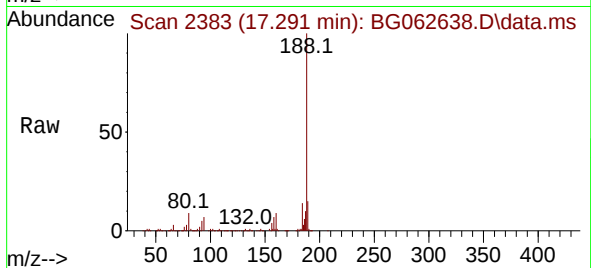
Tgt Ion:188 Resp: 579915

Ion Ratio Lower Upper

188 100

94 7.2 6.3 9.5

80 8.8 7.0 10.4



#65

4,6-Dinitro-2-methylphenol

Concen: 2.662 ng

RT: 15.664 min Scan# 2106

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

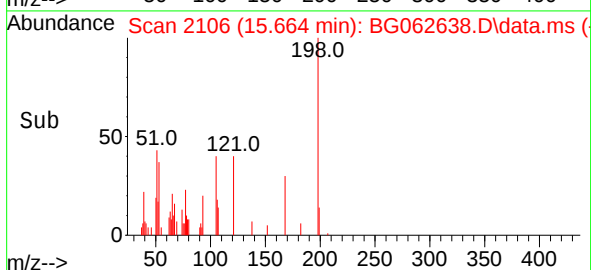
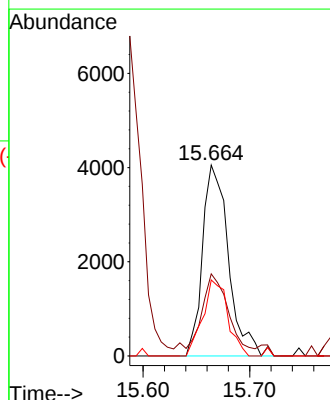
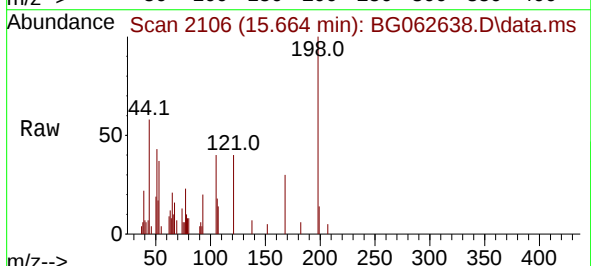
Tgt Ion:198 Resp: 6890

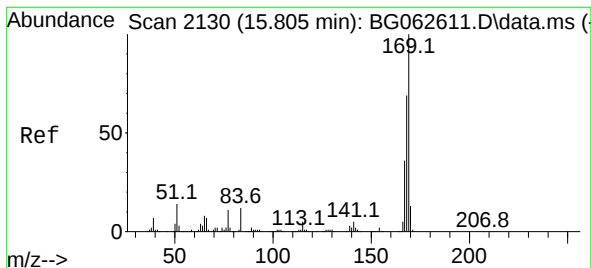
Ion Ratio Lower Upper

198 100

51 43.0 25.1 65.1

105 39.8 18.3 58.3





#66

n-Nitrosodiphenylamine

Concen: 3.747 ng

RT: 15.799 min Scan# 2130

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

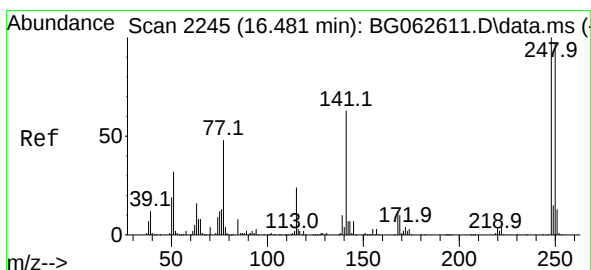
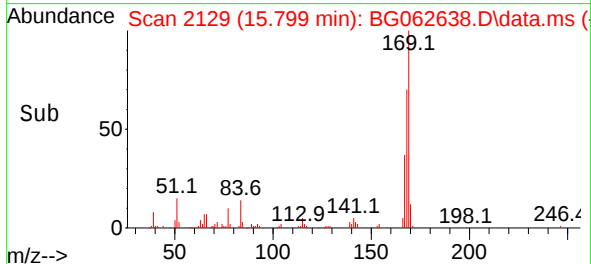
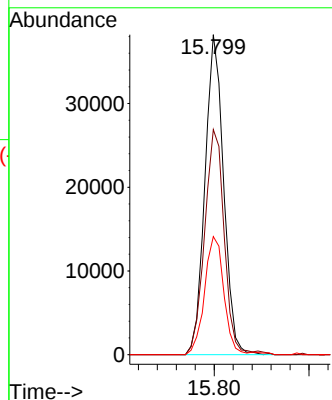
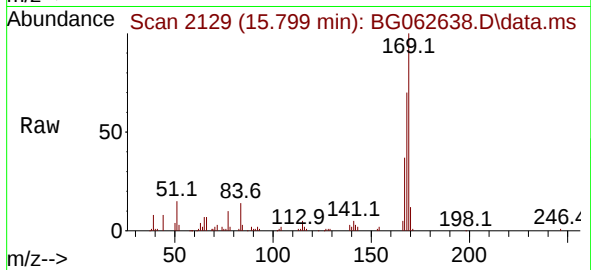
Tgt Ion:169 Resp: 52236

Ion Ratio Lower Upper

169 100

168 70.4 55.4 83.2

167 36.9 29.0 43.6



#67

4-Bromophenyl-phenylether

Concen: 3.860 ng

RT: 16.481 min Scan# 2245

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

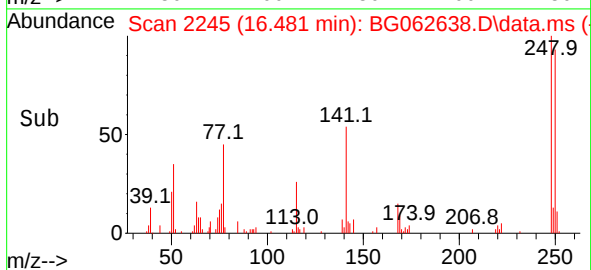
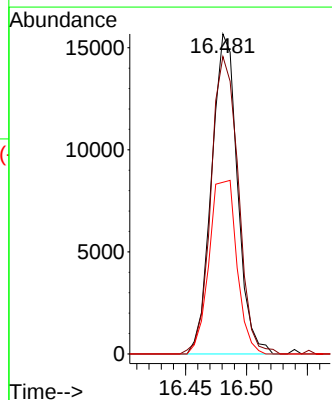
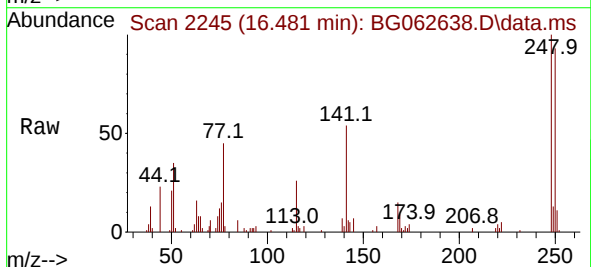
Tgt Ion:248 Resp: 23105

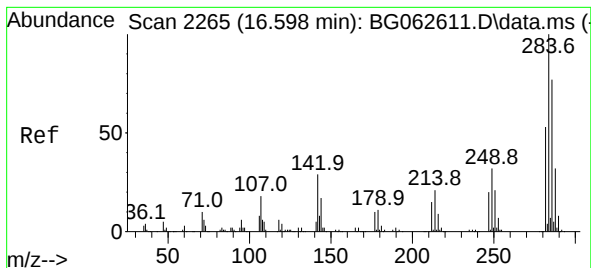
Ion Ratio Lower Upper

248 100

250 93.0 77.9 116.9

141 53.7 50.2 75.2





#68

Hexachlorobenzene

Concen: 4.105 ng

RT: 16.598 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG062638.D

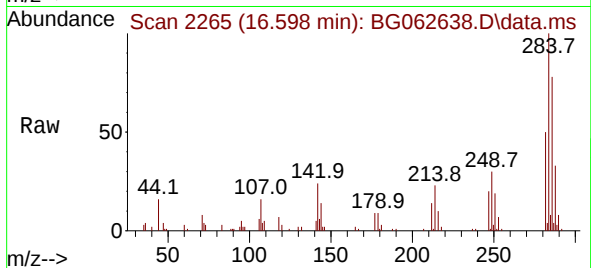
Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



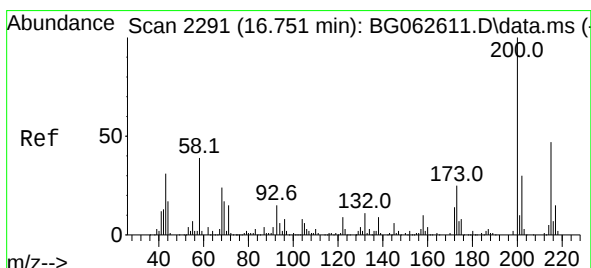
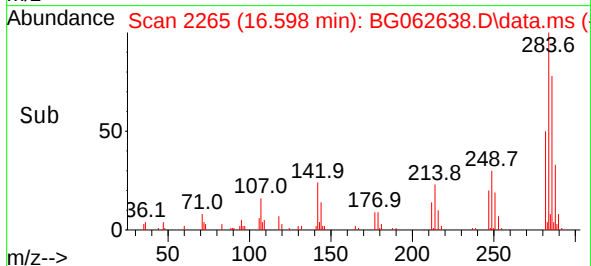
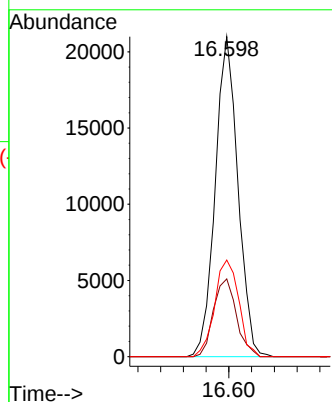
Tgt Ion:284 Resp: 29096

Ion Ratio Lower Upper

284 100

142 24.3 23.5 35.3

249 33.5 25.4 38.0



#69

Atrazine

Concen: 5.035 ng

RT: 16.745 min Scan# 2290

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

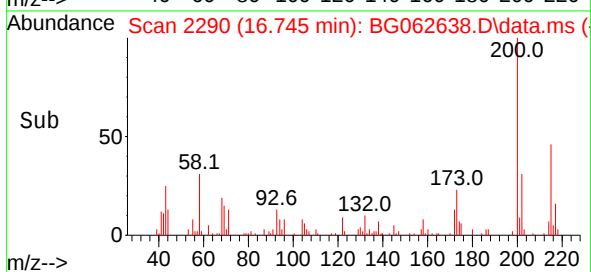
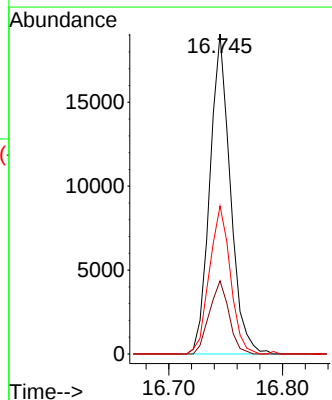
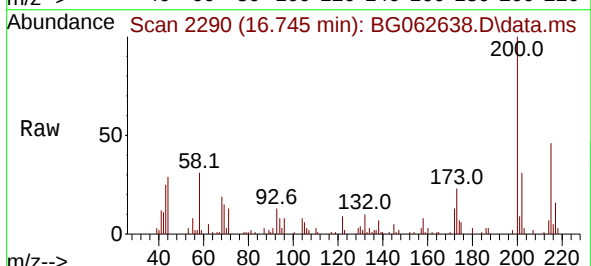
Tgt Ion:200 Resp: 23845

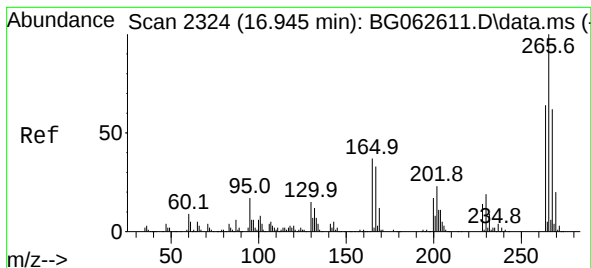
Ion Ratio Lower Upper

200 100

173 22.9 5.2 45.2

215 46.2 27.3 67.3





#70

Pentachlorophenol

Concen: 2.467 ng

RT: 16.939 min Scan# 2323

Delta R.T. -0.006 min

Lab File: BG062638.D

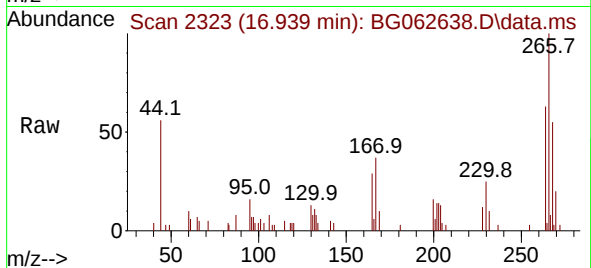
Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



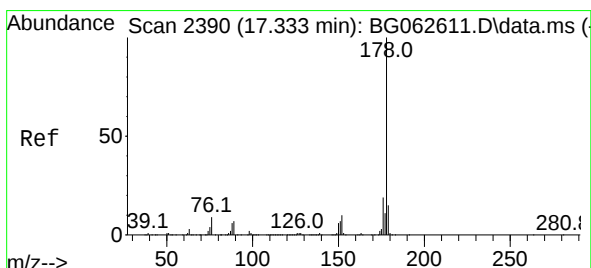
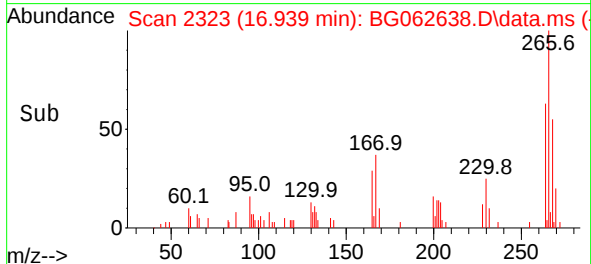
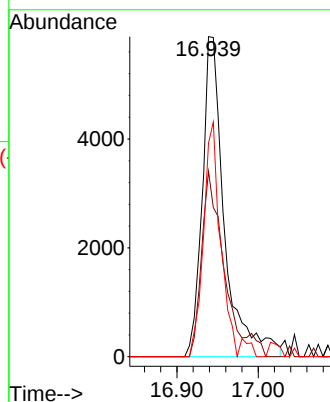
Tgt Ion:266 Resp: 11199

Ion Ratio Lower Upper

266 100

268 58.0 52.6 79.0

264 66.8 51.6 77.4



#71

Phenanthrene

Concen: 4.339 ng

RT: 17.333 min Scan# 2390

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

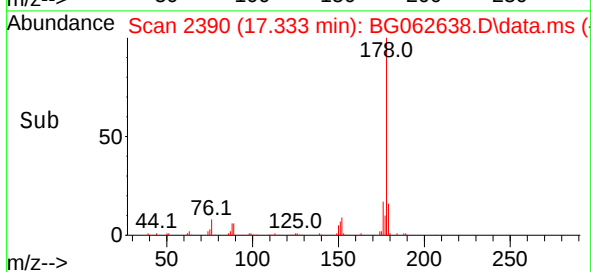
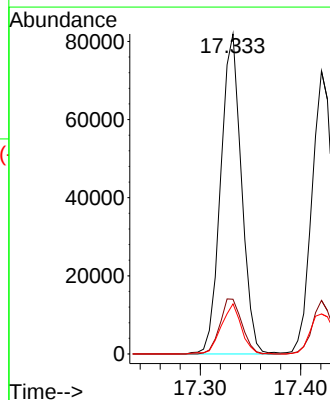
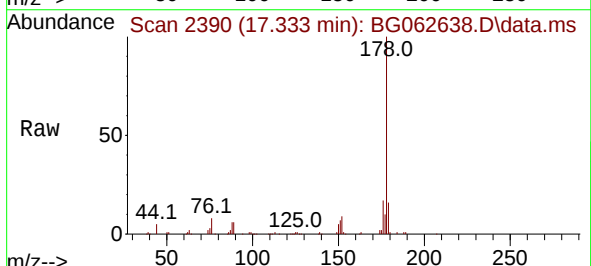
Tgt Ion:178 Resp: 117436

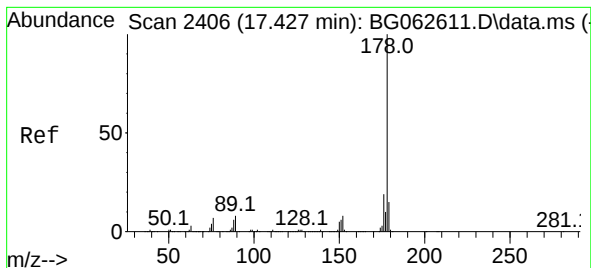
Ion Ratio Lower Upper

178 100

176 17.1 15.4 23.0

179 15.6 12.2 18.4





#72

Anthracene

Concen: 4.004 ng

RT: 17.421 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

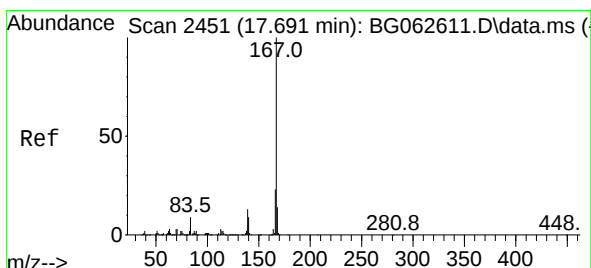
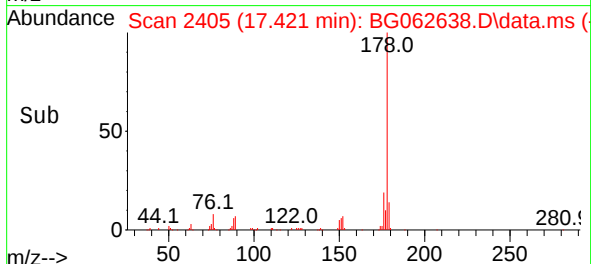
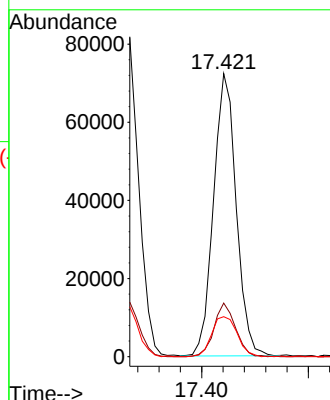
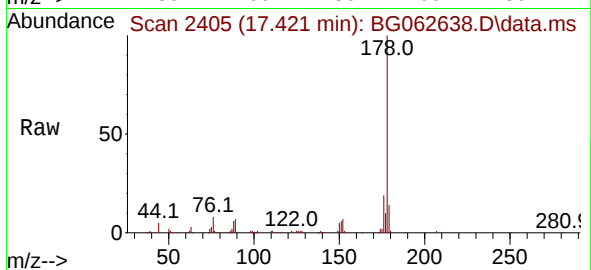
Tgt Ion:178 Resp: 106564

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 14.2 12.0 18.0



#73

Carbazole

Concen: 3.921 ng

RT: 17.691 min Scan# 2451

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

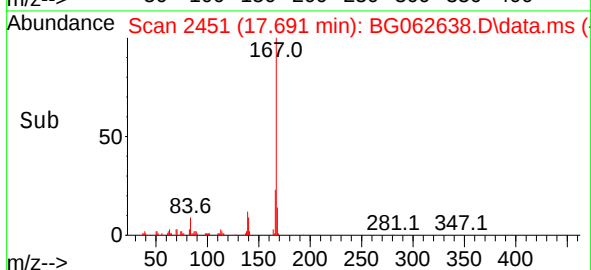
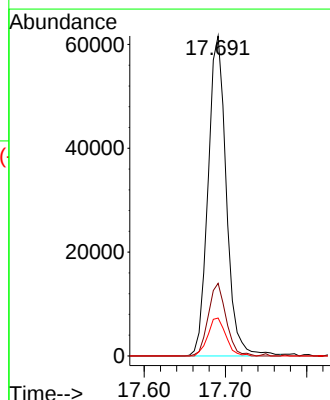
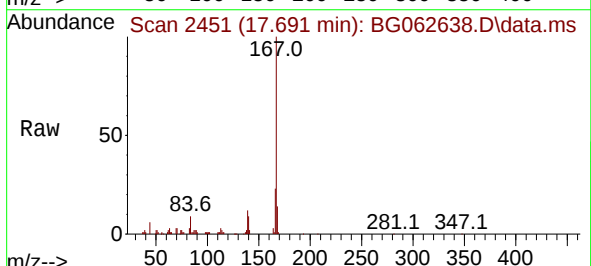
Tgt Ion:167 Resp: 95923

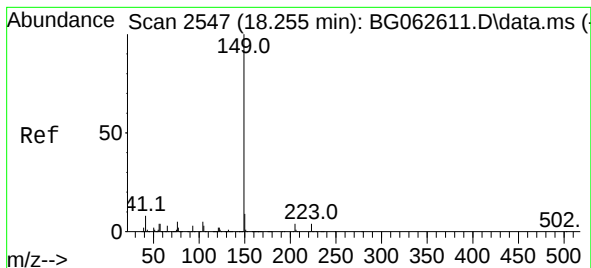
Ion Ratio Lower Upper

167 100

166 22.7 18.2 27.2

139 11.8 10.1 15.1





#74

Di-n-butylphthalate

Concen: 3.689 ng

RT: 18.255 min Scan# 2547

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

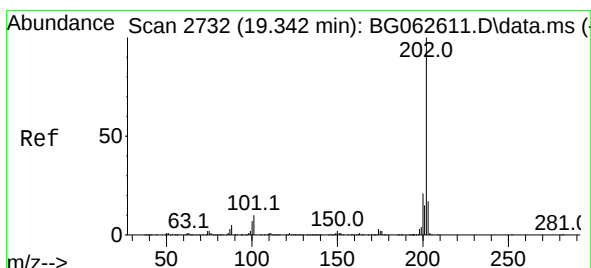
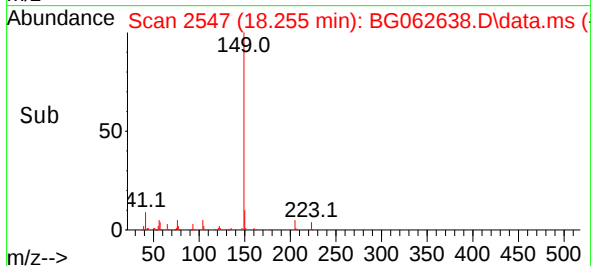
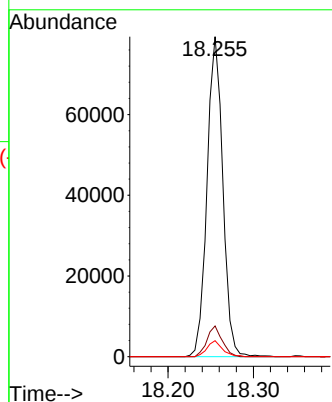
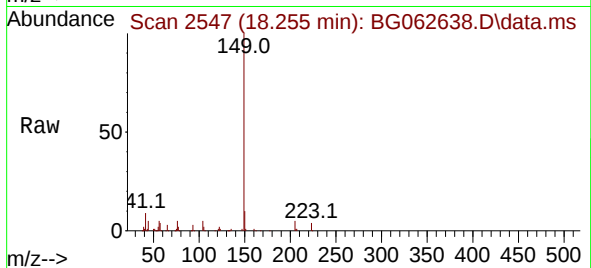
Tgt Ion:149 Resp: 101792

Ion Ratio Lower Upper

149 100

150 9.6 7.3 10.9

104 5.0 4.2 6.2



#75

Fluoranthene

Concen: 4.086 ng

RT: 19.342 min Scan# 2732

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

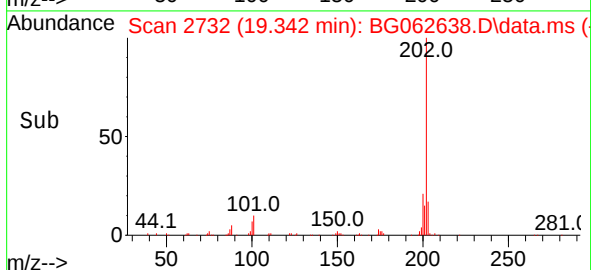
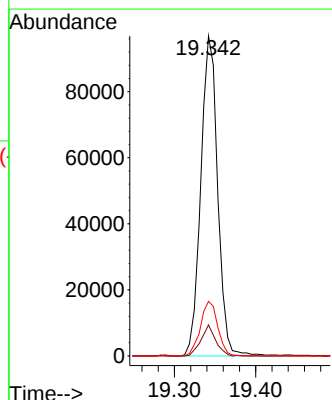
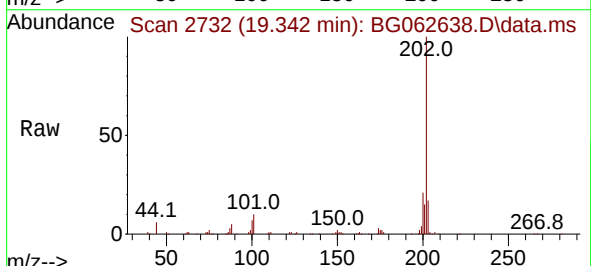
Tgt Ion:202 Resp: 139866

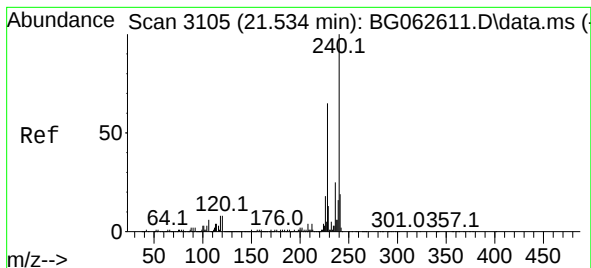
Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.6

203 17.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 3105

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

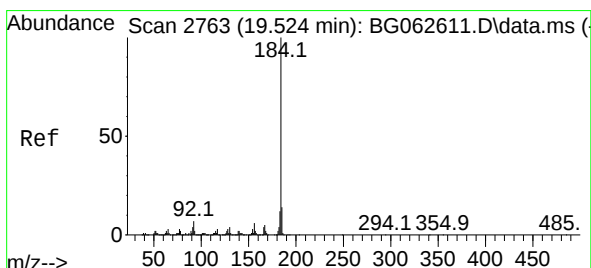
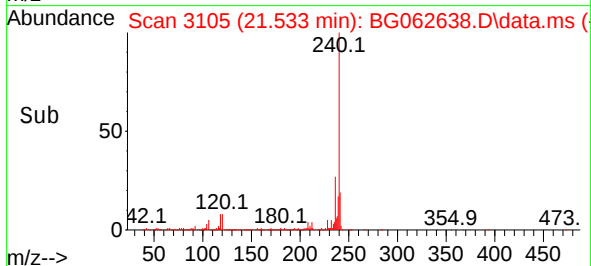
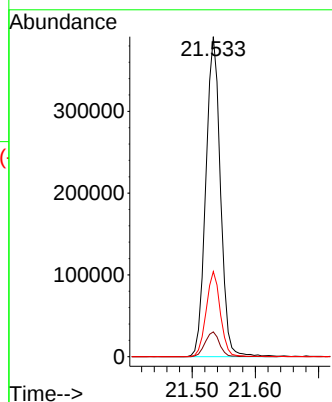
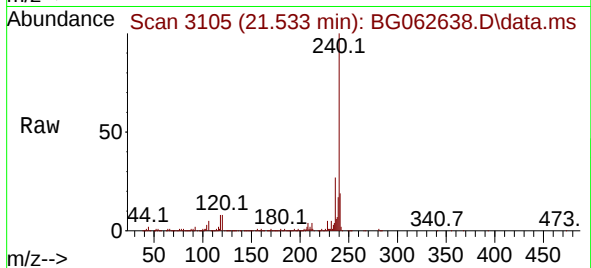
Tgt Ion:240 Resp: 628132

Ion Ratio Lower Upper

240 100

120 7.7 6.6 9.8

236 26.6 20.2 30.4



#77

Benzidine

Concen: 3.682 ng

RT: 19.524 min Scan# 2763

Delta R.T. 0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

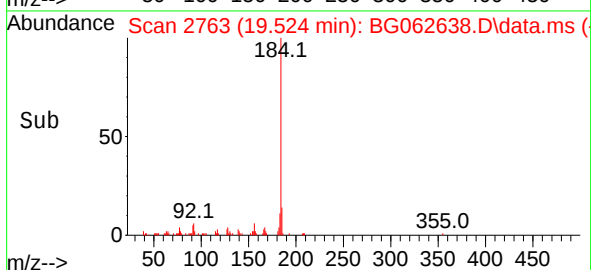
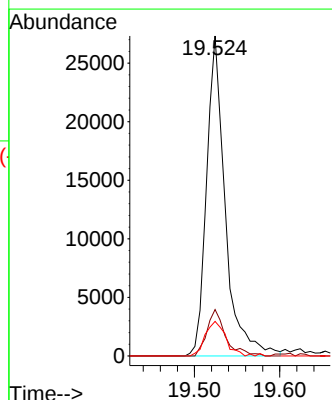
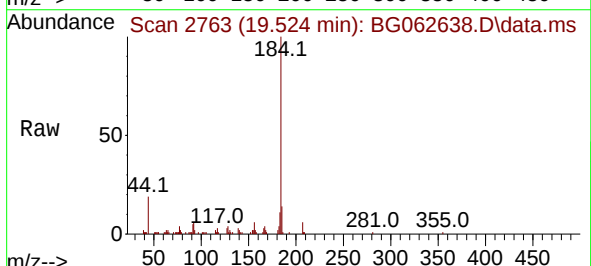
Tgt Ion:184 Resp: 41686

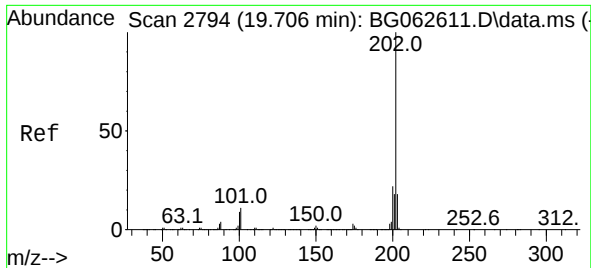
Ion Ratio Lower Upper

184 100

185 14.5 11.0 16.6

183 10.8 9.7 14.5

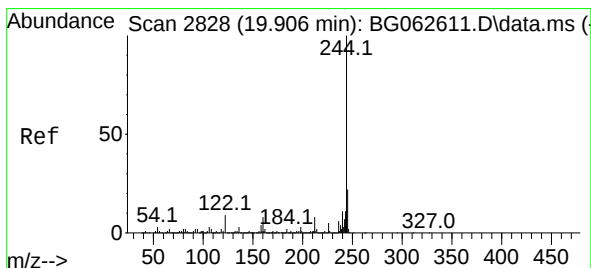
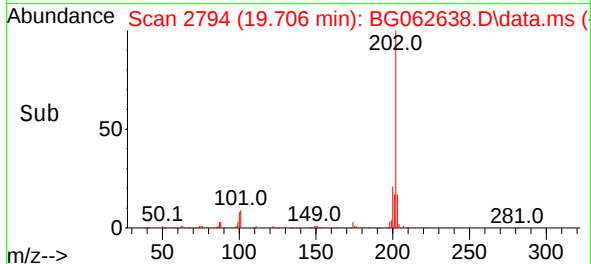
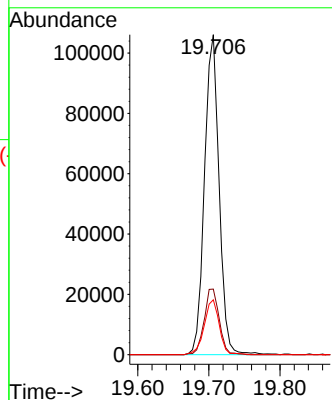
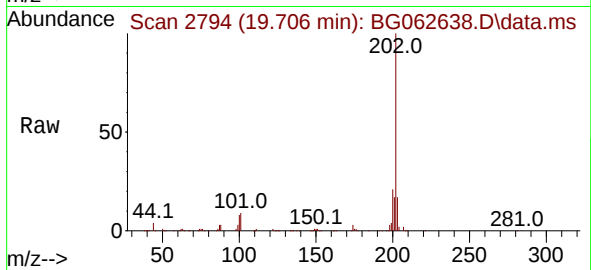




#78
Pyrene
Concen: 3.798 ng
RT: 19.706 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

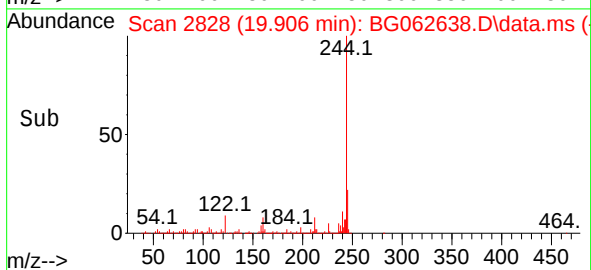
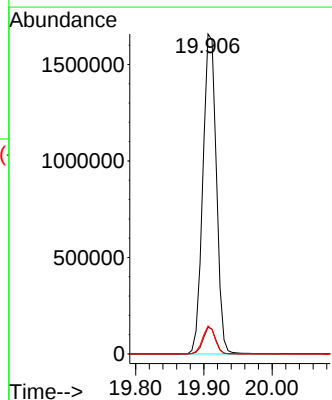
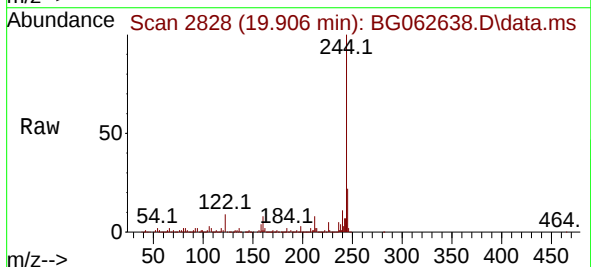
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

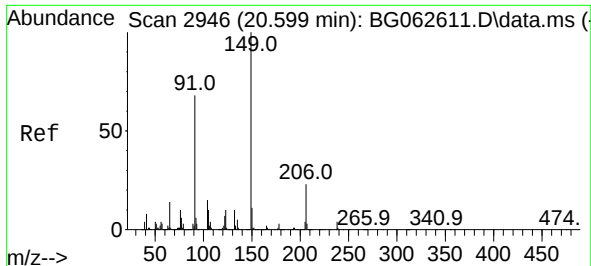
Tgt Ion:202 Resp: 151648
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.2 14.1 21.1



#79
Terphenyl-d14
Concen: 72.193 ng
RT: 19.906 min Scan# 2828
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:244 Resp: 2286952
Ion Ratio Lower Upper
244 100
212 8.4 6.6 10.0
122 8.7 7.2 10.8

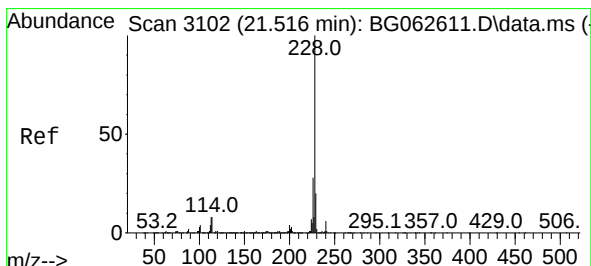
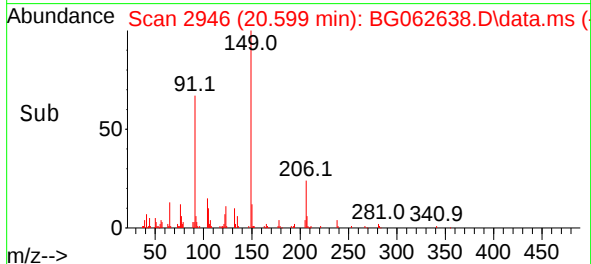
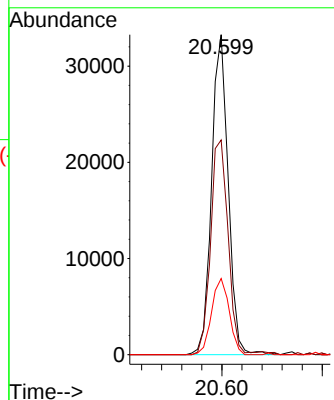
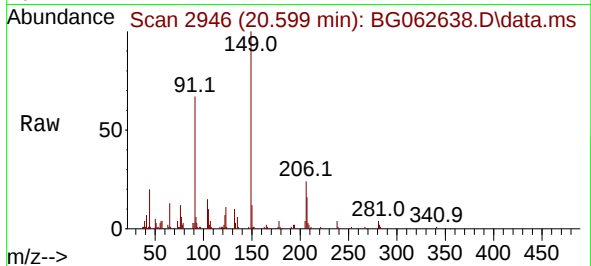




#80
Butylbenzylphthalate
Concen: 3.253 ng
RT: 20.599 min Scan# 2946
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

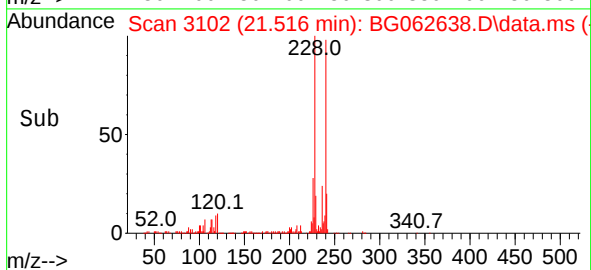
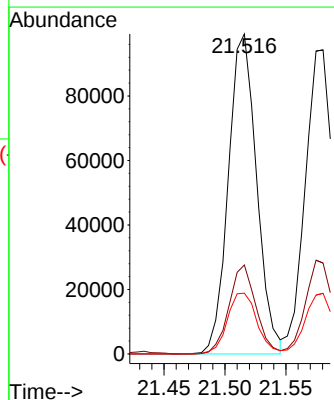
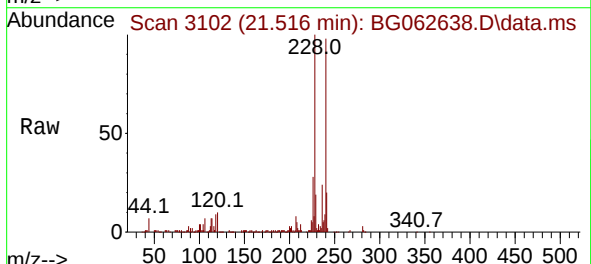
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

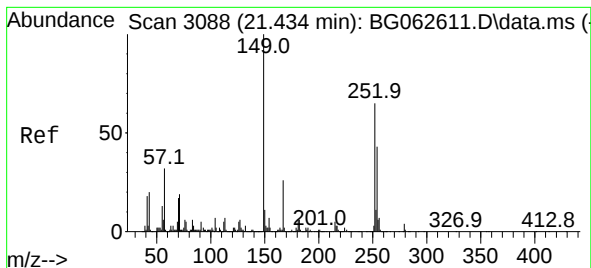
Tgt Ion:	149	Resp:	38150
Ion Ratio	Lower	Upper	
149	100		
91	67.1	54.6	81.8
206	23.8	18.4	27.6



#81
Benzo(a)anthracene
Concen: 4.048 ng
RT: 21.516 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BG062638.D
Acq: 4 Sep 2024 11:05

Tgt Ion:	228	Resp:	160380
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.3	33.5
229	19.0	16.2	24.2





#82

3,3'-Dichlorobenzidine

Concen: 3.878 ng

RT: 21.434 min Scan# 3088

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

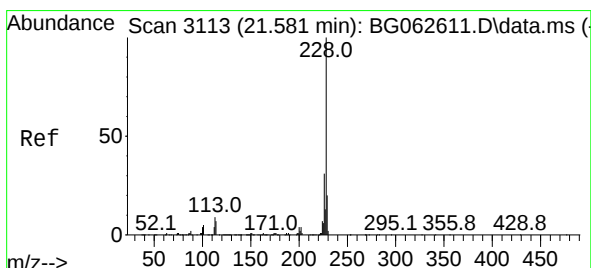
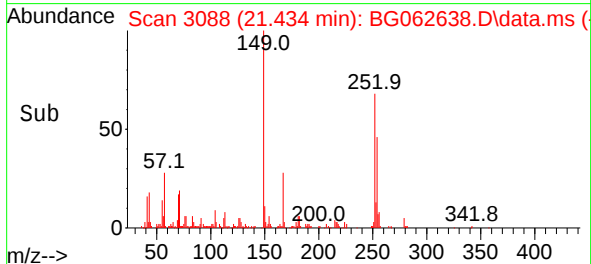
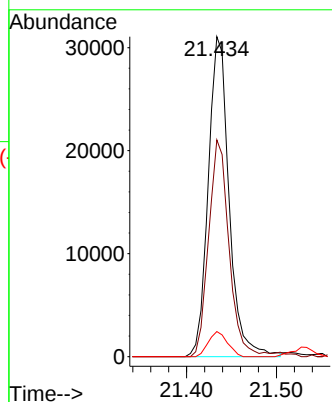
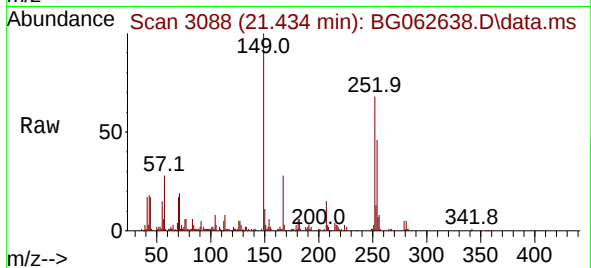
Tgt Ion:252 Resp: 50047

Ion Ratio Lower Upper

252 100

254 67.7 52.2 78.2

126 7.9 6.7 10.1



#83

Chrysene

Concen: 4.035 ng

RT: 21.581 min Scan# 3113

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

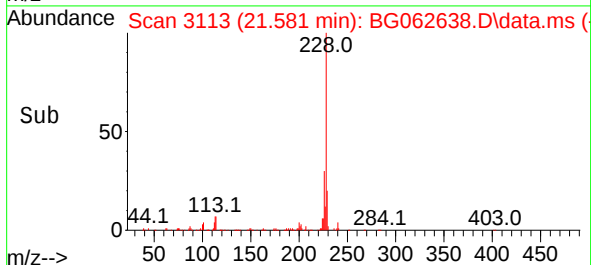
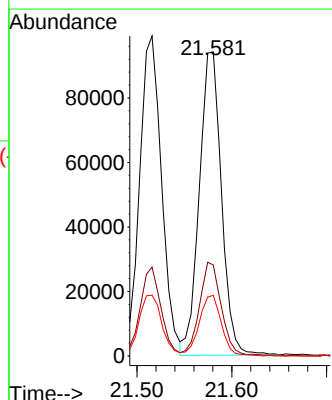
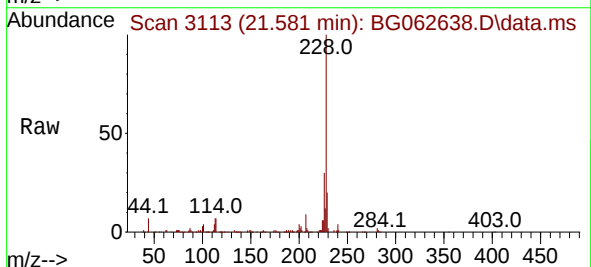
Tgt Ion:228 Resp: 153123

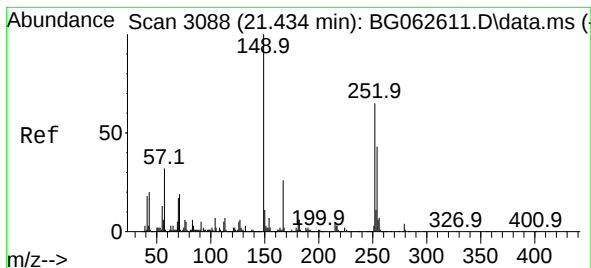
Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

229 20.0 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.395 ng

RT: 21.434 min Scan# 3088

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

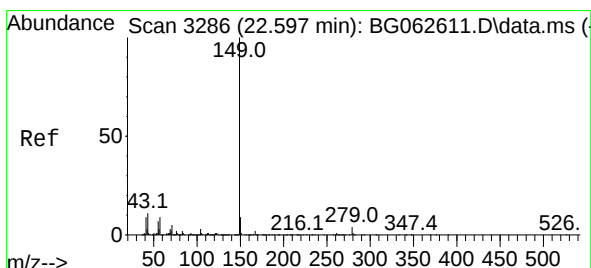
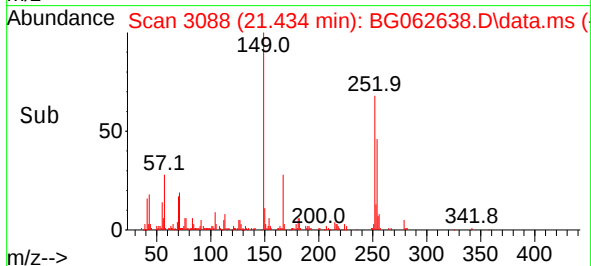
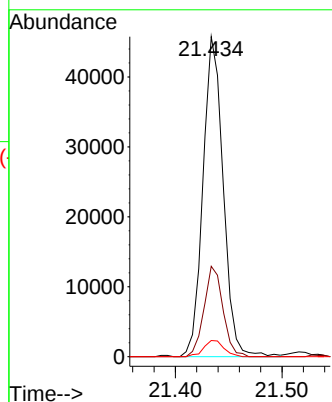
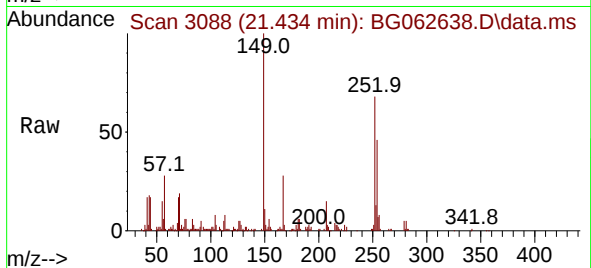
Tgt Ion:149 Resp: 60490

Ion Ratio Lower Upper

149 100

167 28.2 20.5 30.7

279 5.1 3.1 4.7#



#85

Di-n-octyl phthalate

Concen: 3.251 ng

RT: 22.597 min Scan# 3286

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

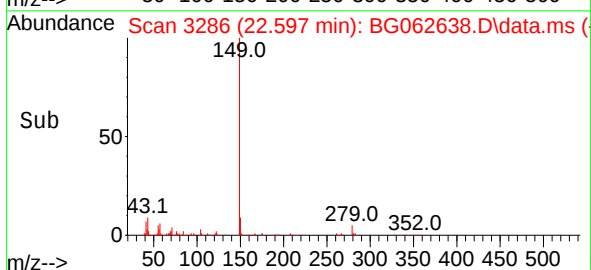
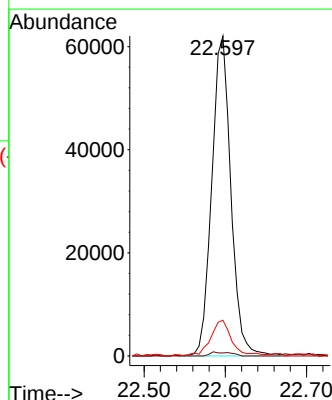
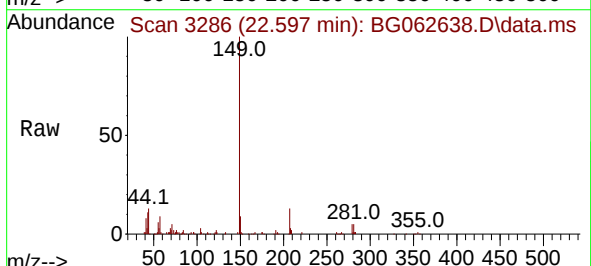
Tgt Ion:149 Resp: 101429

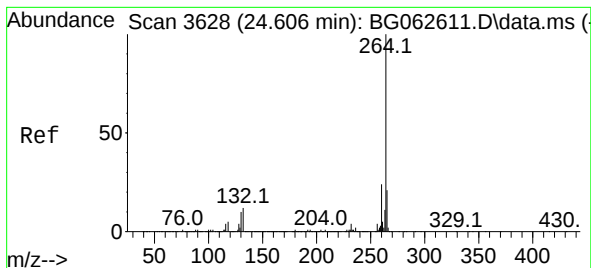
Ion Ratio Lower Upper

149 100

167 1.3 1.4 2.0#

43 12.5 8.8 13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.606 min Scan# 3

Delta R.T. -0.000 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

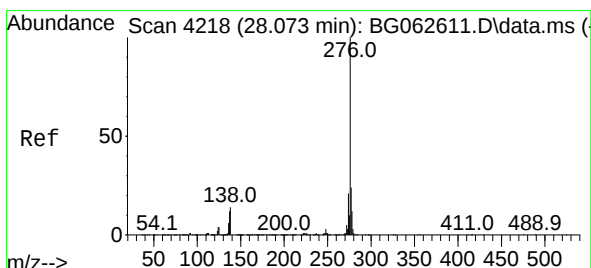
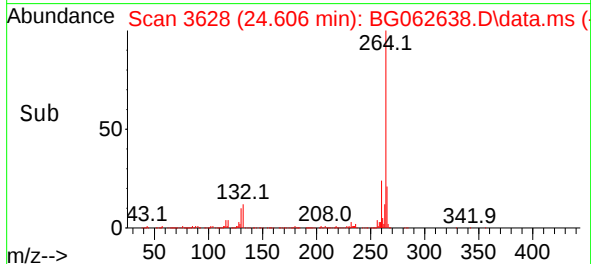
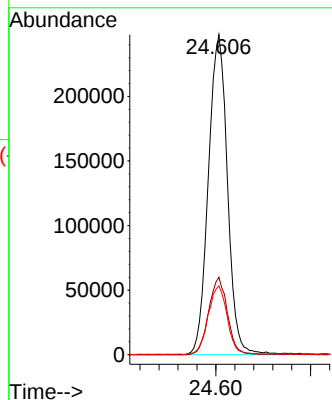
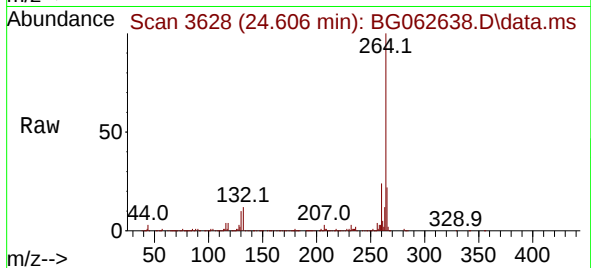
Tgt Ion:264 Resp: 693377

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.4

265 21.5 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.947 ng

RT: 28.055 min Scan# 4215

Delta R.T. -0.018 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

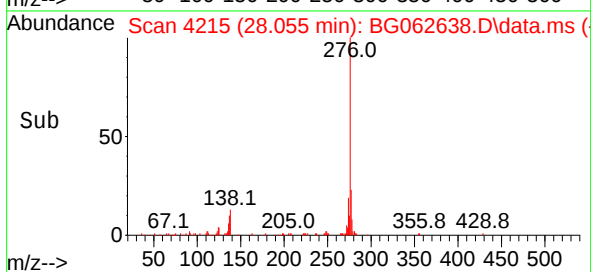
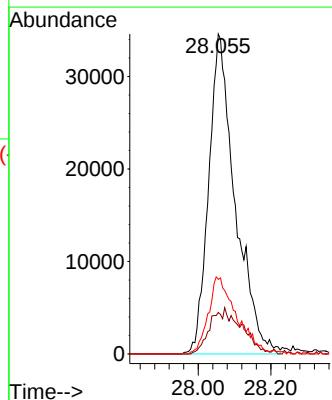
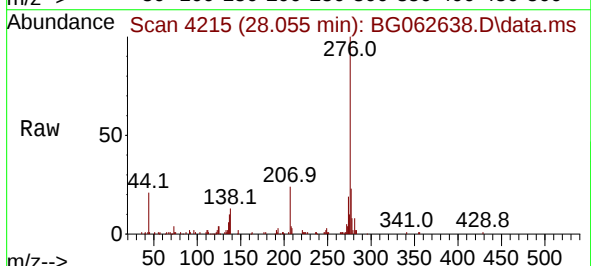
Tgt Ion:276 Resp: 175504

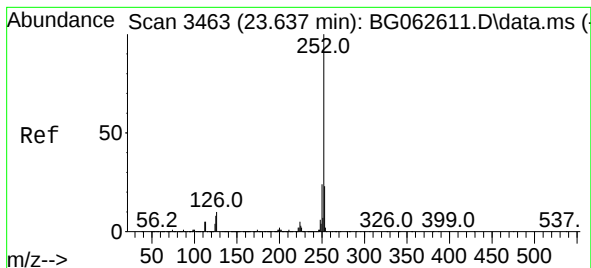
Ion Ratio Lower Upper

276 100

138 7.2 14.9 22.3#

277 25.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 3.911 ng

RT: 23.631 min Scan# 3462

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

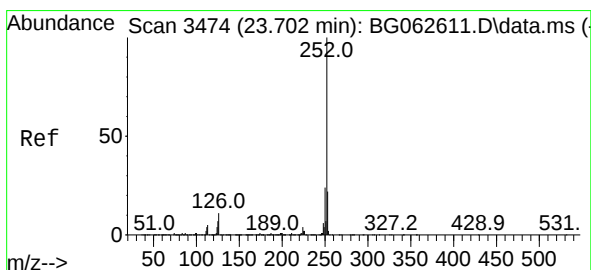
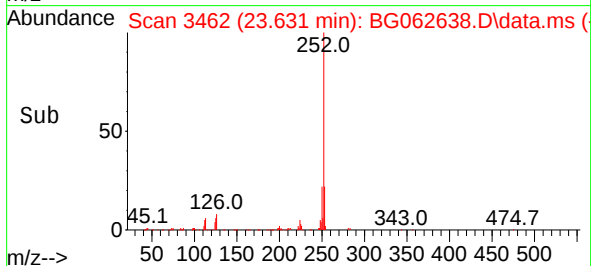
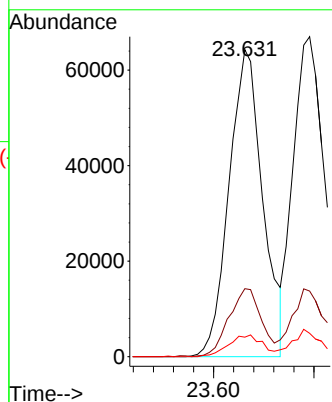
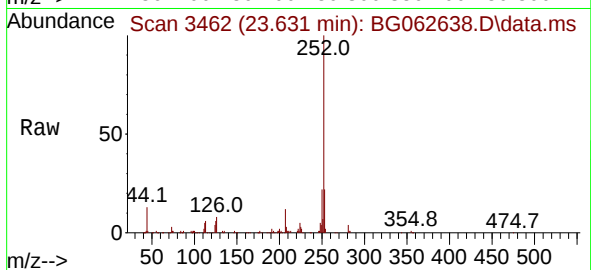
Tgt Ion:252 Resp: 149797

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

125 6.4 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 3.971 ng

RT: 23.696 min Scan# 3473

Delta R.T. -0.006 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

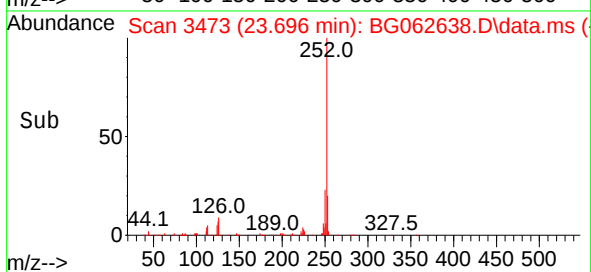
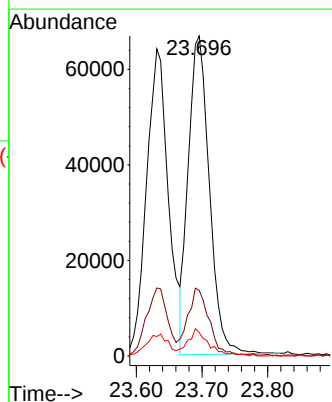
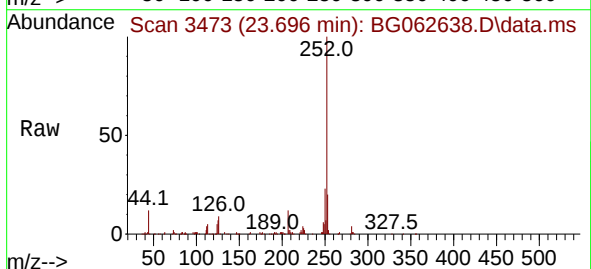
Tgt Ion:252 Resp: 148782

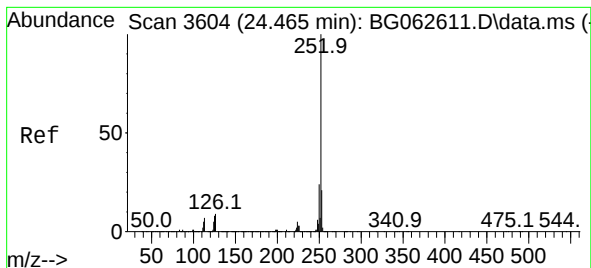
Ion Ratio Lower Upper

252 100

253 20.5 17.8 26.8

125 7.3 6.1 9.1





#90

Benzo(a)pyrene

Concen: 3.955 ng

RT: 24.454 min Scan# 3

Delta R.T. -0.012 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

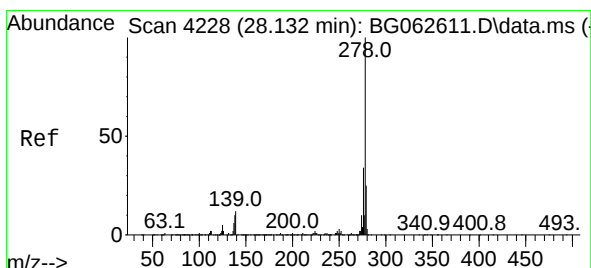
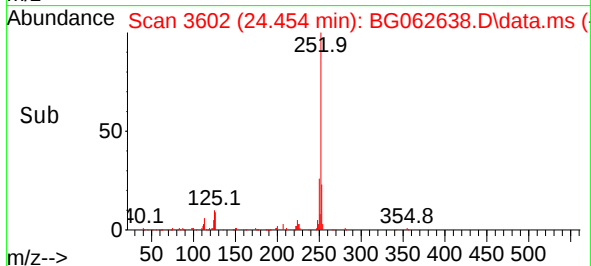
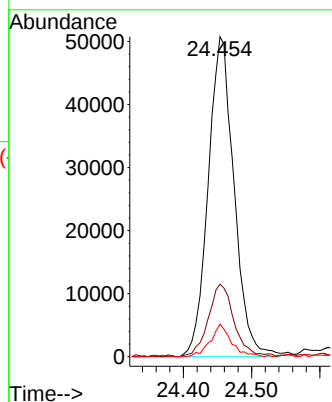
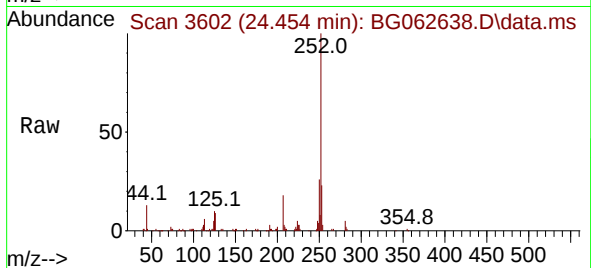
Tgt Ion:252 Resp: 133822

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 10.1 6.6 10.0#



#91

Dibenzo(a,h)anthracene

Concen: 3.853 ng

RT: 28.120 min Scan# 4226

Delta R.T. -0.012 min

Lab File: BG062638.D

Acq: 4 Sep 2024 11:05

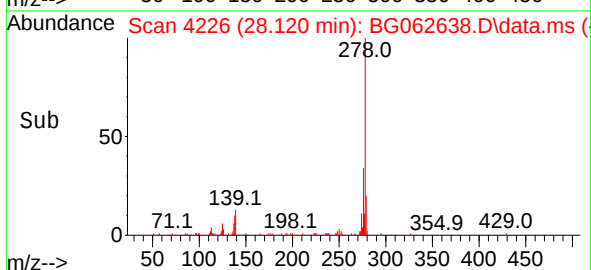
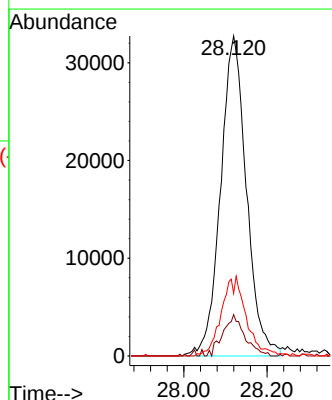
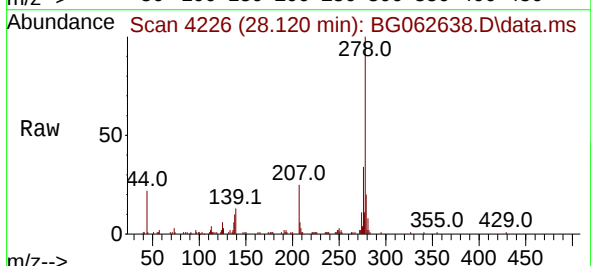
Tgt Ion:278 Resp: 141119

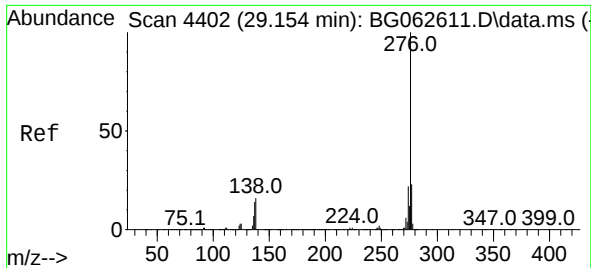
Ion Ratio Lower Upper

278 100

139 12.9 9.2 13.8

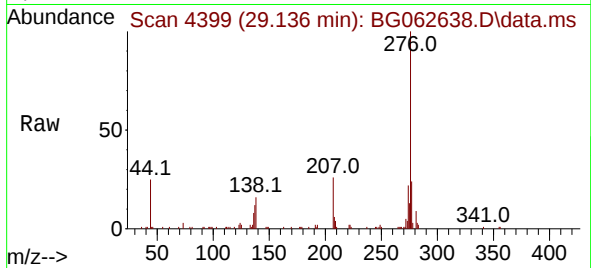
279 19.6 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 3.685 ng
 RT: 29.136 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: BG062638.D
 Acq: 4 Sep 2024 11:05

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



Tgt Ion:276 Resp: 136091

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	15.6	12.7	19.1

