

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021122\
 Data File : BG052368.D
 Acq On : 11 Feb 2022 11:54
 Operator : CG/JU
 Sample : M4068-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Feb 11 14:00:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 11 13:59:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.228	152	21073	20.000	ng	0.00
21) Naphthalene-d8	11.065	136	86021	20.000	ng	0.00
39) Acenaphthene-d10	14.872	164	63999	20.000	ng	0.00
64) Phenanthrene-d10	17.621	188	160687	20.000	ng	0.00
76) Chrysene-d12	21.939	240	183271	20.000	ng	0.00
86) Perylene-d12	25.410	264	180964	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.755	112	198979	164.567	ng	0.00
7) Phenol-d6	7.376	99	286082	153.348	ng	0.00
23) Nitrobenzene-d5	9.397	82	168815	85.292	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	153744	167.213	ng	0.00
45) 2-Fluorobiphenyl	13.491	172	413101	89.692	ng	0.00
79) Terphenyl-d14	20.217	244	883951	85.171	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.587	88	2299	4.129	ng	# 82
3) Pyridine	4.010	79	5672	3.513	ng	# 85
4) n-Nitrosodimethylamine	3.910	42	2974	3.567	ng	# 91
6) Aniline	7.535	93	8710	4.019	ng	95
8) 2-Chlorophenol	7.787	128	5221	3.925	ng	95
9) Benzaldehyde	7.352	77	6142	5.363	ng	90
10) Phenol	7.405	94	7360	3.971	ng	84
11) bis(2-Chloroethyl)ether	7.629	93	5516	3.893	ng	# 79
12) 1,3-Dichlorobenzene	8.263	146	6097	4.023	ng	94
13) 1,4-Dichlorobenzene	8.263	146	6097	3.946	ng	93
14) 1,2-Dichlorobenzene	8.263	146	6097	4.002	ng	98
15) Benzyl Alcohol	8.463	79	5418	3.499	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.756	45	7225	3.531	ng	93
17) 2-Methylphenol	8.674	107	4442	3.632	ng	# 85
18) Hexachloroethane	9.320	117	2242	4.174	ng	95
19) n-Nitroso-di-n-propyla...	9.027	70	5045	3.587	ng	# 87
20) 3+4-Methylphenols	8.997	107	6163	3.522	ng	82
22) Acetophenone	9.050	105	9357	4.116	ng	# 94
24) Nitrobenzene	9.444	77	7265	3.870	ng	# 79
25) Isophorone	9.967	82	13905	4.129	ng	98
26) 2-Nitrophenol	10.166	139	3199	4.020	ng	# 84
27) 2,4-Dimethylphenol	10.213	122	5417	4.598	ng	82
28) bis(2-Chloroethoxy)met...	10.442	93	7837	4.100	ng	92
29) 2,4-Dichlorophenol	10.713	162	5260	3.725	ng	87
30) 1,2,4-Trichlorobenzene	10.924	180	6604	4.005	ng	89
31) Naphthalene	11.118	128	17612	3.905	ng	98
32) Benzoic acid	10.337	122	492	0.711	ng	# 68
33) 4-Chloroaniline	11.212	127	7373	3.916	ng	# 88
34) Hexachlorobutadiene	11.400	225	4780	4.292	ng	92
35) Caprolactam	11.958	113	1678	3.260	ng	94
36) 4-Chloro-3-methylphenol	12.340	107	6144	3.824	ng	# 82
37) 2-Methylnaphthalene	12.710	142	13404	4.002	ng	94
38) 1-Methylnaphthalene	12.933	142	12891	3.972	ng	# 96
40) 1,2,4,5-Tetrachloroben...	13.080	216	8547	4.060	ng	98
41) Hexachlorocyclopentadiene	13.062	237	1156	1.301	ng	93
43) 2,4,6-Trichlorophenol	13.315	196	4652	3.379	ng	89

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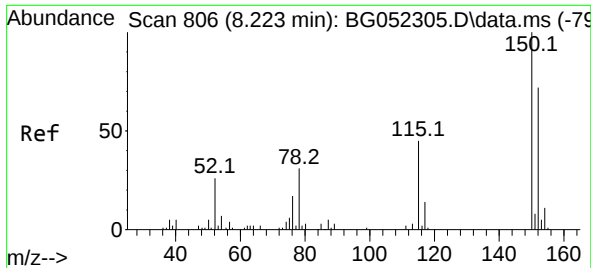
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 11 13:59:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.391	196	5045	3.381	ng	96
46) 1,1'-Biphenyl	13.703	154	19205	4.092	ng	93
47) 2-Chloronaphthalene	13.756	162	14011	3.875	ng	98
48) 2-Nitroaniline	13.944	65	4811	3.738	ng	86
49) Acenaphthylene	14.596	152	25231	4.287	ng	94
50) Dimethylphthalate	14.308	163	18690	3.812	ng	97
51) 2,6-Dinitrotoluene	14.431	165	4053	3.831	ng	# 78
52) Acenaphthene	14.936	154	14161	3.674	ng	84
53) 3-Nitroaniline	14.766	138	4161	3.784	ng	# 98
54) 2,4-Dinitrophenol	14.977	184	333	0.581	ng	# 44
55) Dibenzofuran	15.265	168	24304	4.009	ng	93
56) 4-Nitrophenol	15.089	139	2543	3.079	ng	# 81
57) 2,4-Dinitrotoluene	15.224	165	5642	3.747	ng	# 80
58) Fluorene	15.917	166	19835	4.099	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.494	232	4422	3.103	ng	# 99
60) Diethylphthalate	15.665	149	20414	4.122	ng	100
61) 4-Chlorophenyl-phenyle...	15.900	204	10695	3.880	ng	97
62) 4-Nitroaniline	15.923	138	4621	3.992	ng	# 70
63) Azobenzene	16.193	77	19763	3.898	ng	96
65) 4,6-Dinitro-2-methylph...	16.000	198	2135	2.209	ng	72
66) n-Nitrosodiphenylamine	16.117	169	17254	3.897	ng	95
67) 4-Bromophenyl-phenylether	16.798	248	7436	3.805	ng	86
68) Hexachlorobenzene	16.934	284	8170	3.855	ng	# 86
69) Atrazine	17.051	200	7463	4.169	ng	94
70) Pentachlorophenol	17.280	266	2294	2.212	ng	# 82
71) Phenanthrene	17.662	178	34923	4.216	ng	96
72) Anthracene	17.756	178	34591	4.261	ng	95
73) Carbazole	18.020	167	31206	3.942	ng	96
74) Di-n-butylphthalate	18.561	149	35009	4.059	ng	99
75) Fluoranthene	19.665	202	45010	4.267	ng	99
77) Benzidine	19.836	184	20043	5.118	ng	98
78) Pyrene	20.029	202	47237	3.852	ng	95
80) Butylbenzylphthalate	20.899	149	16228	3.810	ng	93
81) Benzo(a)anthracene	21.915	228	48055	3.962	ng	# 96
82) 3,3'-Dichlorobenzidine	21.821	252	17678	4.175	ng	97
83) Chrysene	21.986	228	44057	3.834	ng	96
84) Bis(2-ethylhexyl)phtha...	21.798	149	23551	3.987	ng	99
85) Di-n-octyl phthalate	23.090	149	38081	3.845	ng	# 92
87) Indeno(1,2,3-cd)pyrene	29.405	276	48240	3.643	ng	# 97
88) Benzo(b)fluoranthene	24.294	252	44558	3.951	ng	98
89) Benzo(k)fluoranthene	24.371	252	47031	4.222	ng	99
90) Benzo(a)pyrene	25.246	252	45020	4.726	ng	# 93
91) Dibenzo(a,h)anthracene	29.475	278	42368	3.873	ng	96
92) Benzo(g,h,i)perylene	30.650	276	42335	3.943	ng	96

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

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BNA_G
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LOD-MDL-SOIL-01-QT4-2021

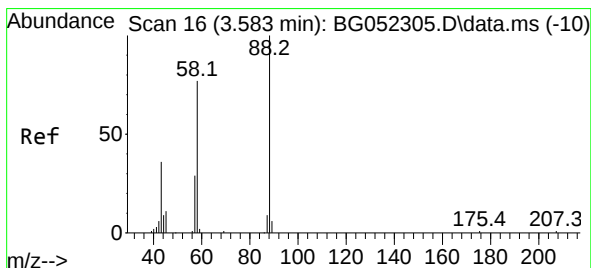
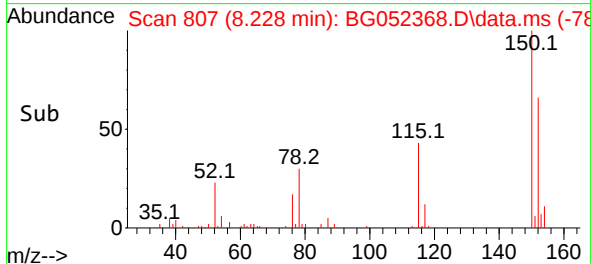
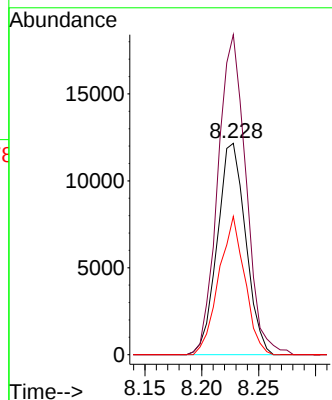
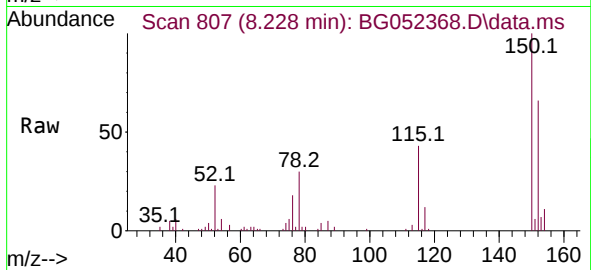
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.228 min Scan# 80
Delta R.T. 0.005 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

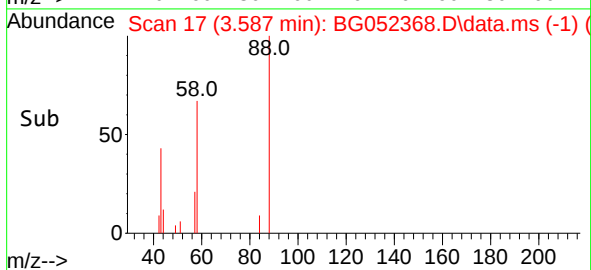
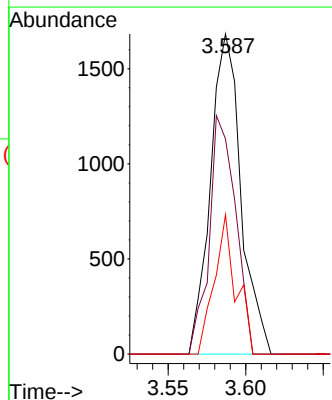
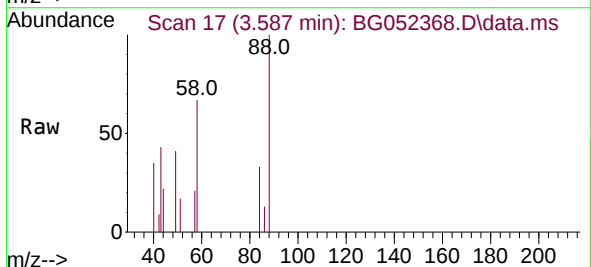
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:152 Resp: 21073
Ion Ratio Lower Upper
152 100
150 151.4 117.8 176.8
115 65.4 50.2 75.2



#2
1,4-Dioxane
Concen: 4.129 ng
RT: 3.587 min Scan# 17
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion: 88 Resp: 2299
Ion Ratio Lower Upper
88 100
58 64.3 65.8 98.8#
43 31.1 31.6 47.4#

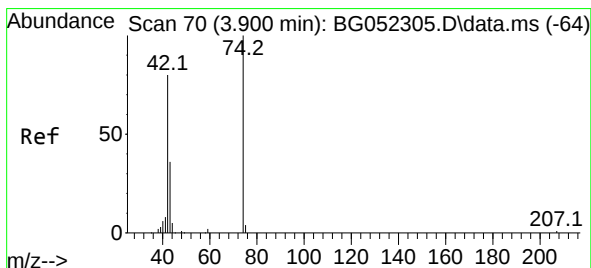
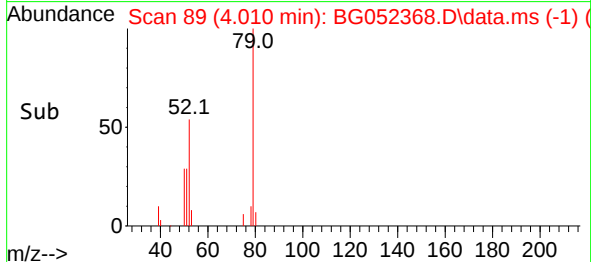
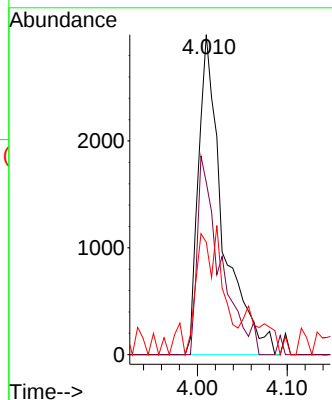
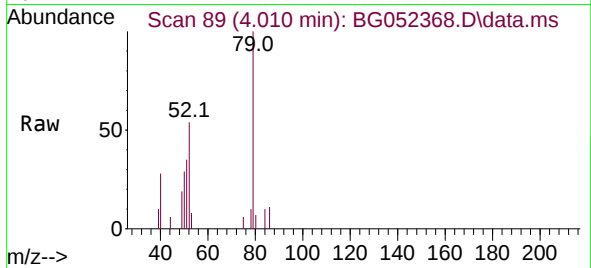




#3
 Pyridine
 Concen: 3.513 ng
 RT: 4.010 min Scan# 81
 Delta R.T. 0.016 min
 Lab File: BG052368.D
 Acq: 11 Feb 2022 11:54

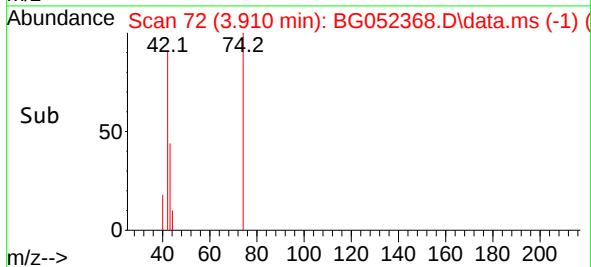
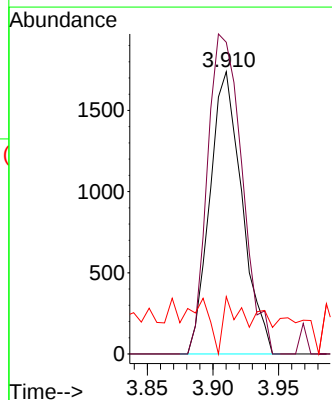
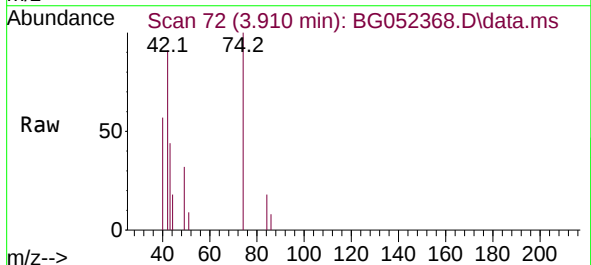
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 79 Resp: 5672
 Ion Ratio Lower Upper
 79 100
 52 53.8 55.0 82.6#
 51 35.2 32.5 48.7



#4
 n-Nitrosodimethylamine
 Concen: 3.567 ng
 RT: 3.910 min Scan# 72
 Delta R.T. 0.010 min
 Lab File: BG052368.D
 Acq: 11 Feb 2022 11:54

Tgt Ion: 42 Resp: 2974
 Ion Ratio Lower Upper
 42 100
 74 110.5 83.0 124.4
 44 20.3 5.0 7.6#

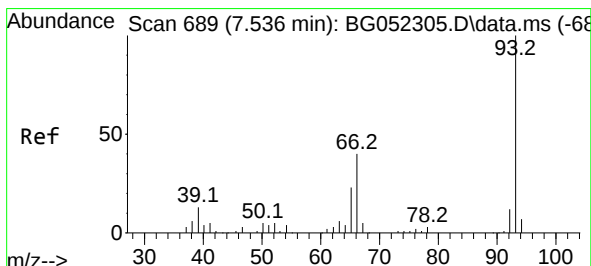
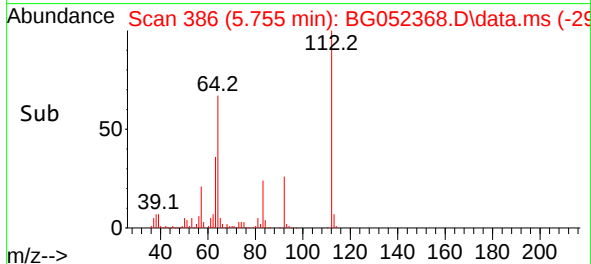
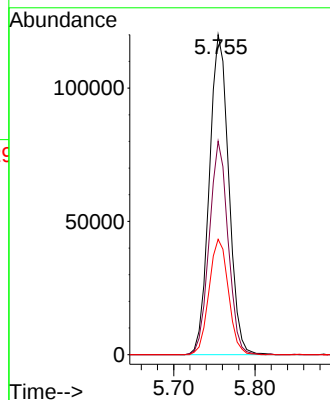
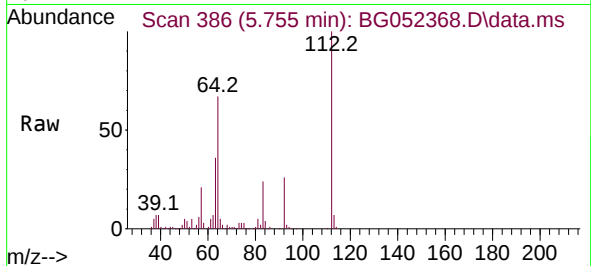




#5
2-Fluorophenol
Concen: 164.567 ng
RT: 5.755 min Scan# 385
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

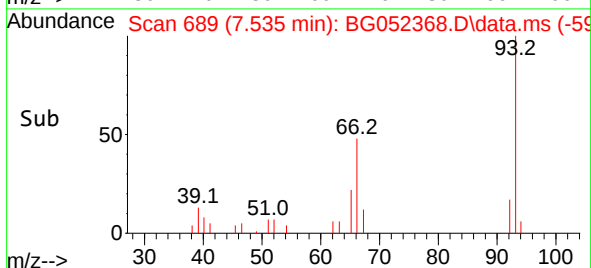
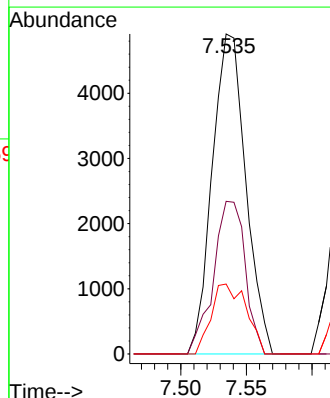
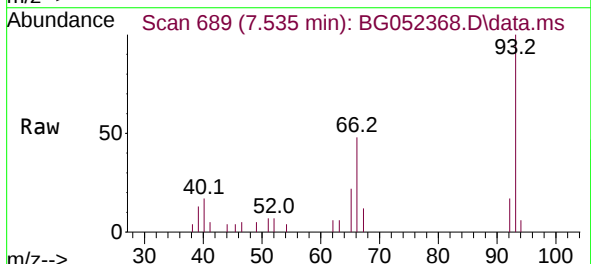
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ClientSampleId :
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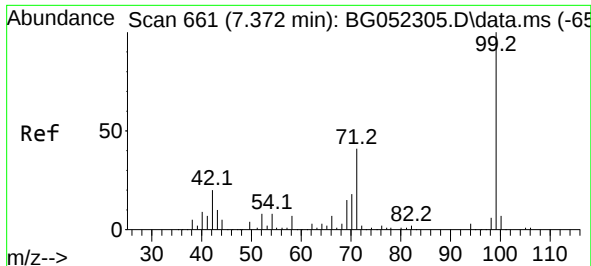
Tgt Ion:112 Resp: 198979
Ion Ratio Lower Upper
112 100
64 66.7 60.4 90.6
63 36.1 33.3 49.9



#6
Aniline
Concen: 4.019 ng
RT: 7.535 min Scan# 689
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion: 93 Resp: 8710
Ion Ratio Lower Upper
93 100
66 47.7 34.3 51.5
65 21.9 17.6 26.4

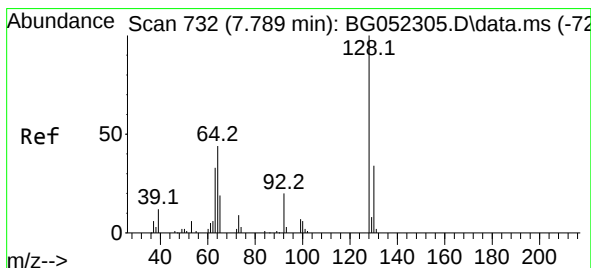
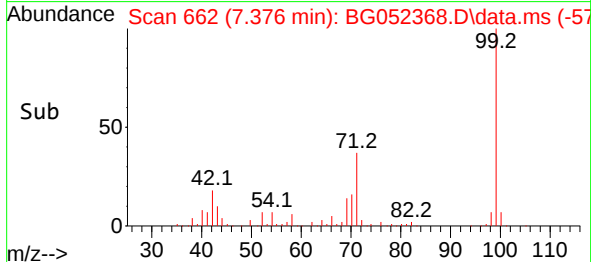
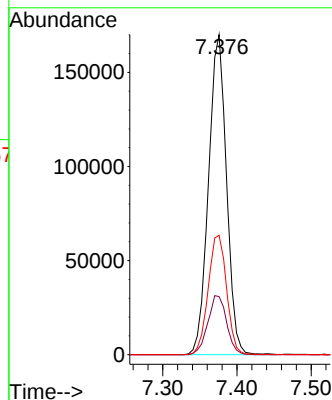
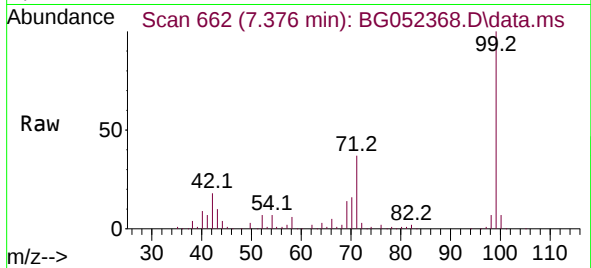




#7
Phenol-d6
Concen: 153.348 ng
RT: 7.376 min Scan# 661
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

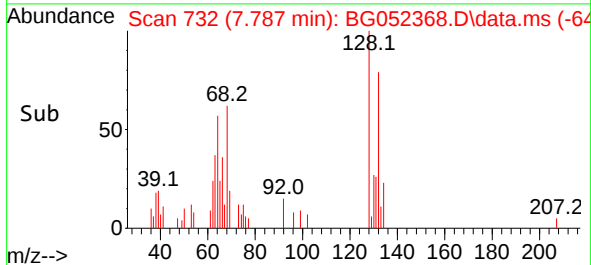
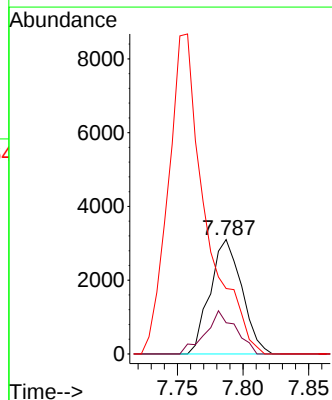
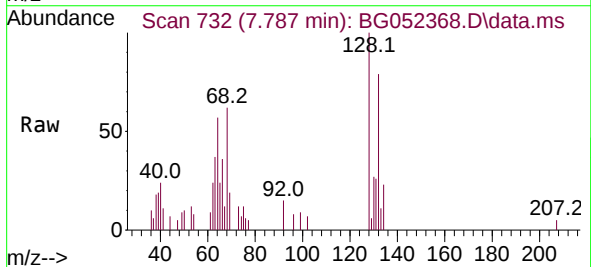
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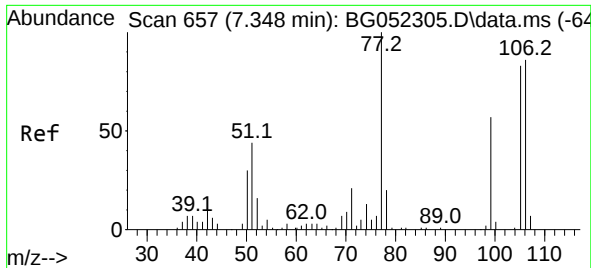
Tgt Ion: 99 Resp: 286082
Ion Ratio Lower Upper
99 100
42 18.1 19.1 28.7#
71 37.3 33.4 50.2



#8
2-Chlorophenol
Concen: 3.925 ng
RT: 7.787 min Scan# 732
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:128 Resp: 5221
Ion Ratio Lower Upper
128 100
130 27.3 13.6 53.6
64 57.2 37.8 77.8

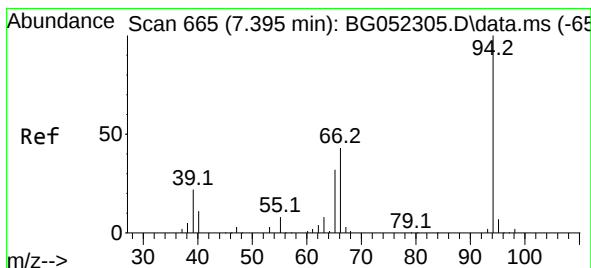
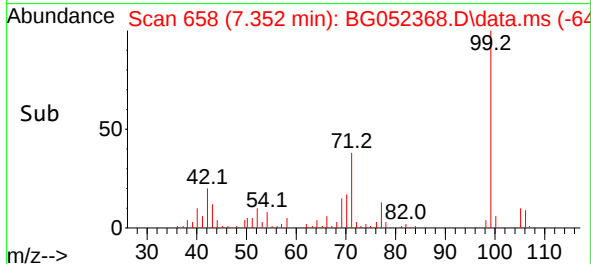
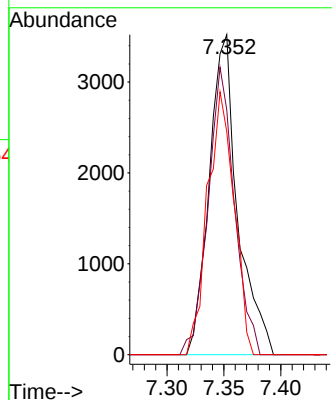
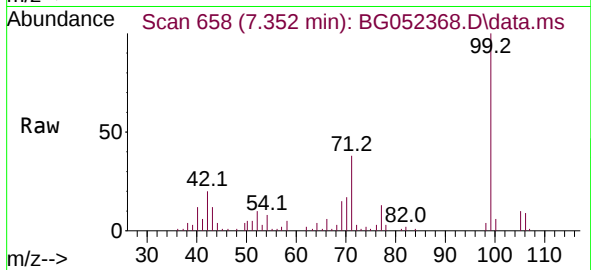




#9
Benzaldehyde
Concen: 5.363 ng
RT: 7.352 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

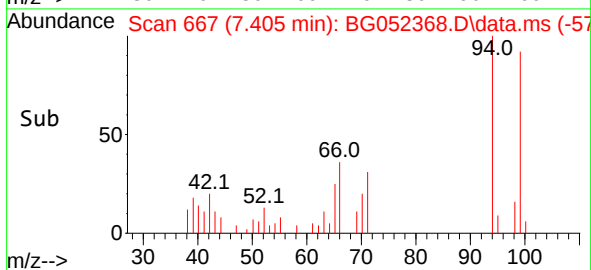
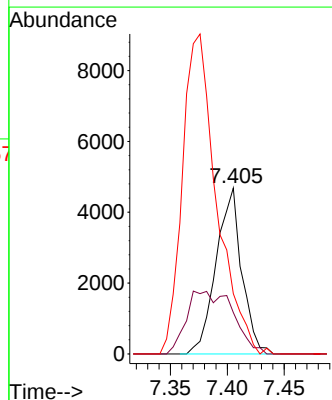
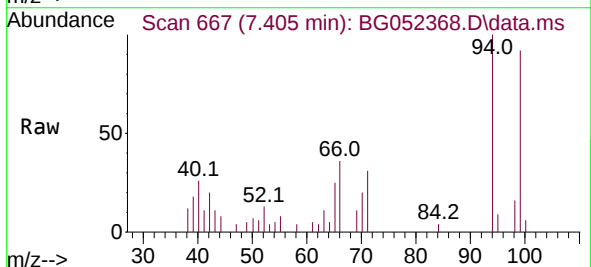
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 77 Resp: 6142
Ion Ratio Lower Upper
77 100
105 76.5 66.1 106.1
106 69.7 58.1 98.1



#10
Phenol
Concen: 3.971 ng
RT: 7.405 min Scan# 667
Delta R.T. 0.010 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion: 94 Resp: 7360
Ion Ratio Lower Upper
94 100
65 25.0 14.1 54.1
66 36.4 26.6 66.6

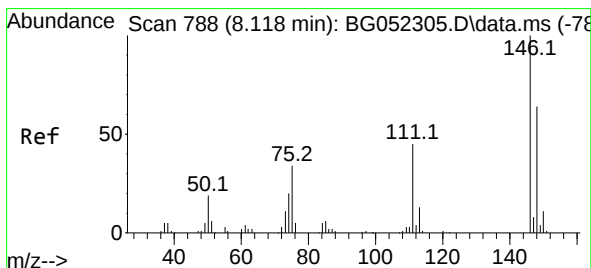
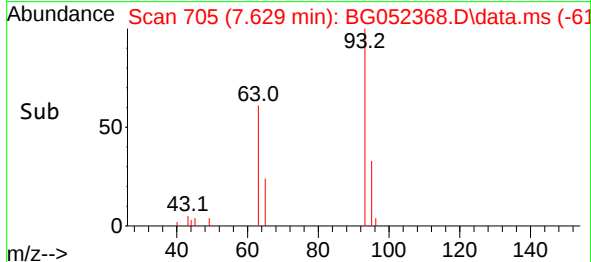
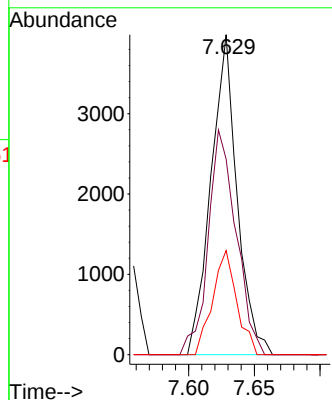
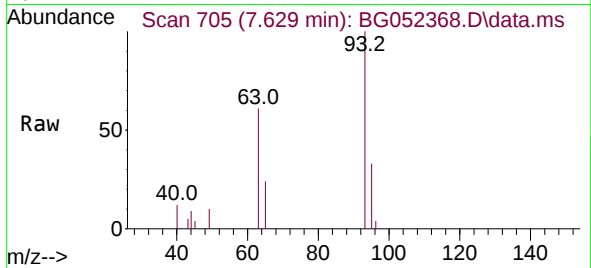




#11
bis(2-Chloroethyl)ether
Concen: 3.893 ng
RT: 7.629 min Scan# 705
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

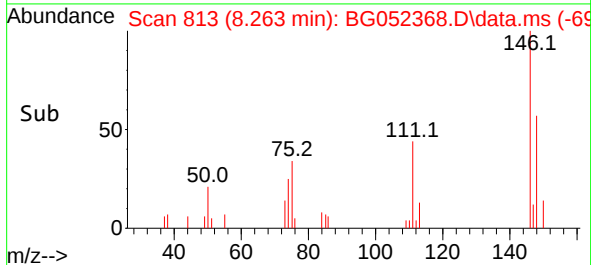
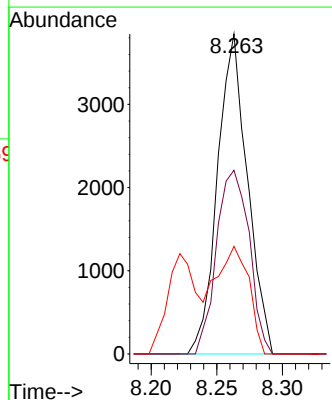
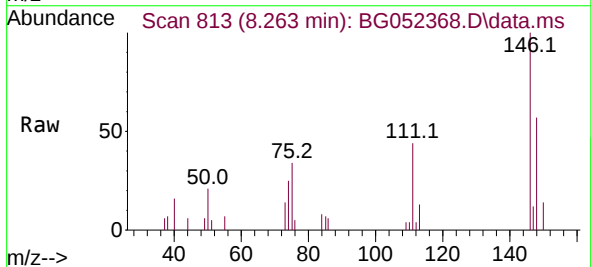
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

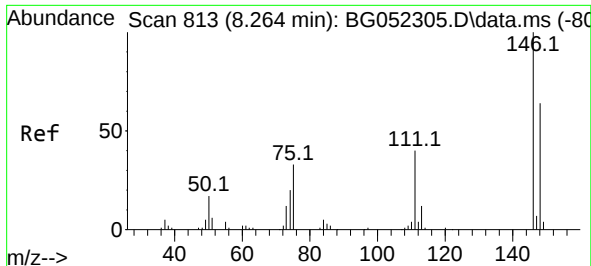
Tgt Ion: 93 Resp: 5516
Ion Ratio Lower Upper
93 100
63 61.1 67.1 107.1#
95 32.6 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 4.023 ng
RT: 8.263 min Scan# 813
Delta R.T. 0.145 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:146 Resp: 6097
Ion Ratio Lower Upper
146 100
148 57.4 49.1 73.7
75 33.6 30.9 46.3





#13

1,4-Dichlorobenzene

Concen: 3.946 ng

RT: 8.263 min Scan# 813

Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

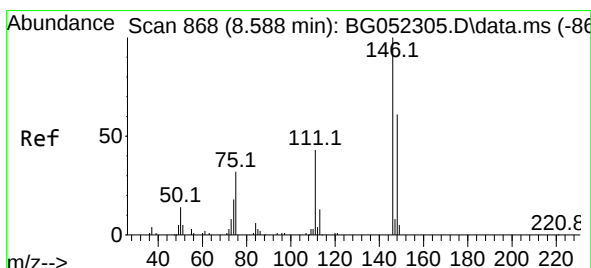
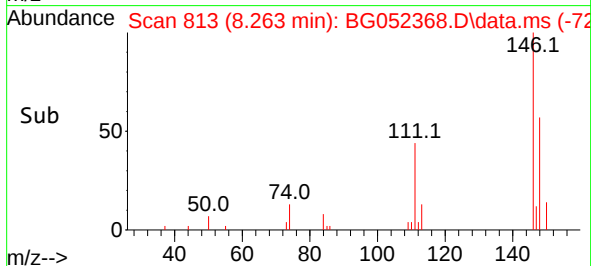
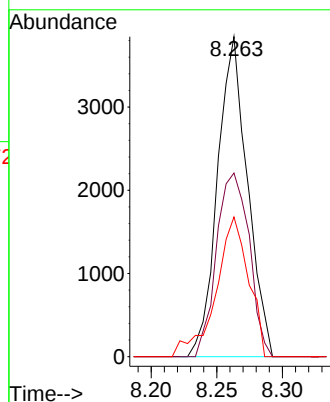
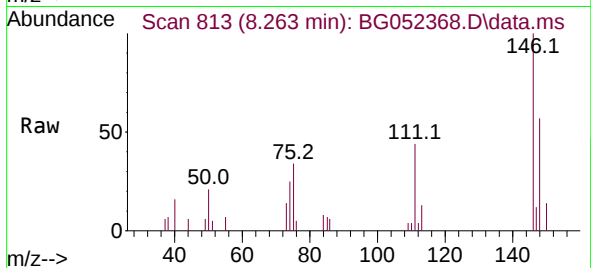
Tgt Ion:146 Resp: 6097

Ion Ratio Lower Upper

146 100

148 57.4 52.6 78.8

111 43.7 33.8 50.8



#14

1,2-Dichlorobenzene

Concen: 4.002 ng

RT: 8.263 min Scan# 813

Delta R.T. -0.325 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

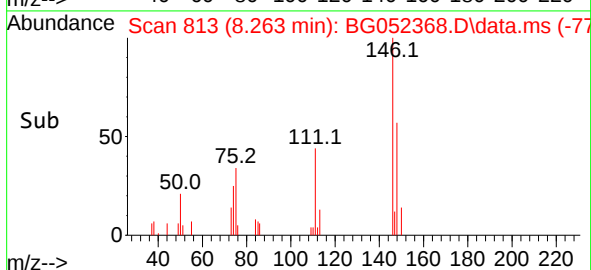
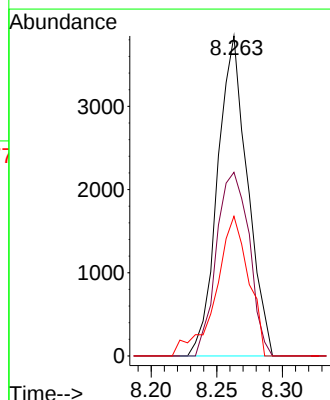
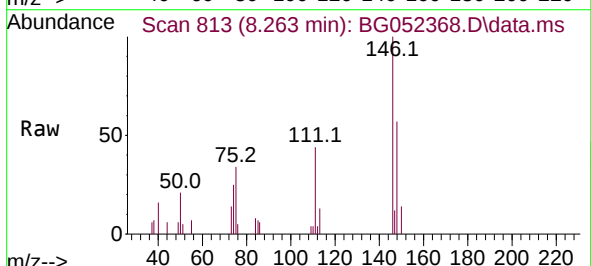
Tgt Ion:146 Resp: 6097

Ion Ratio Lower Upper

146 100

148 57.4 46.5 69.7

111 43.7 37.0 55.4

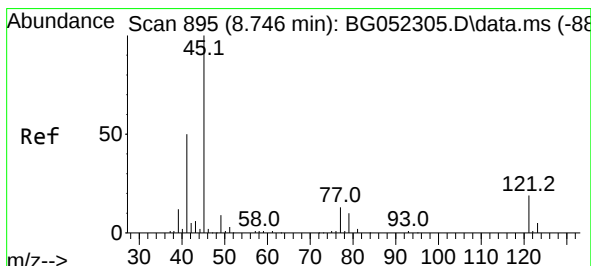
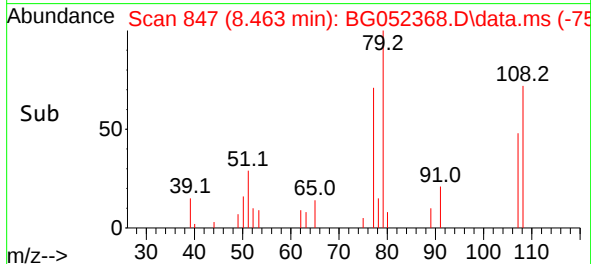
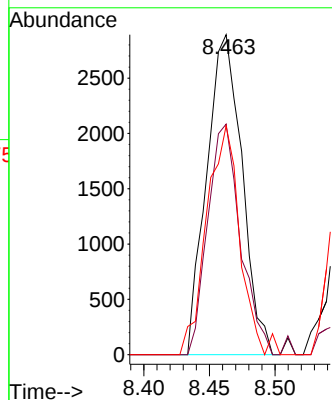
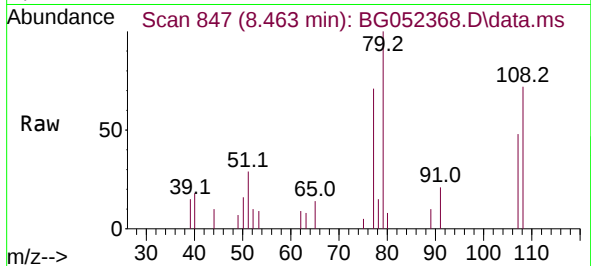




#15
Benzyl Alcohol
Concen: 3.499 ng
RT: 8.463 min Scan# 846
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

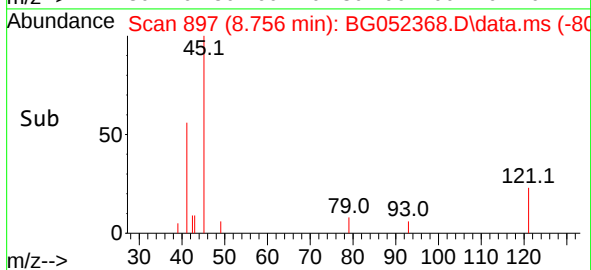
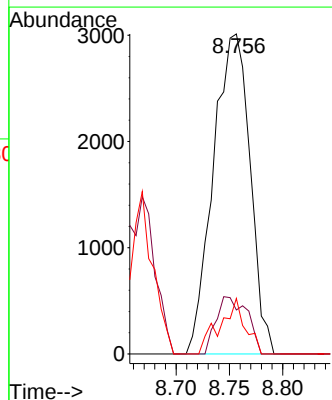
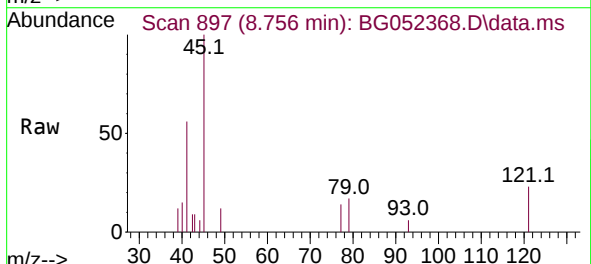
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

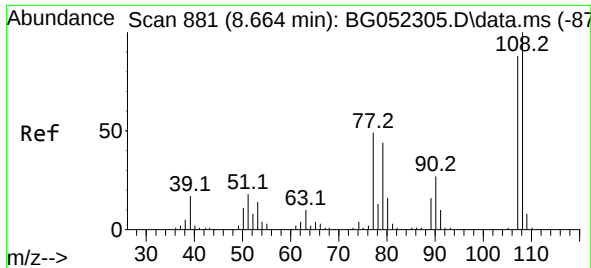
Tgt Ion: 79	Resp: 5418
Ion Ratio	Lower Upper
79 100	
108 72.0	53.8 80.6
77 71.5	54.4 81.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.531 ng
RT: 8.756 min Scan# 897
Delta R.T. 0.010 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion: 45	Resp: 7225
Ion Ratio	Lower Upper
45 100	
77 13.8	0.0 33.8
79 17.4	0.0 31.1

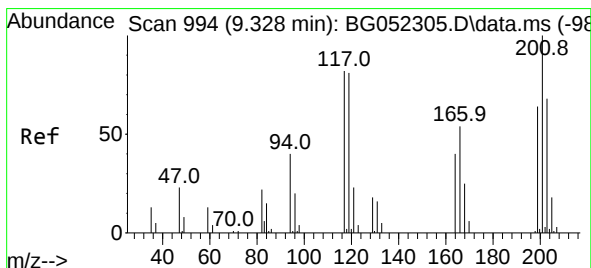
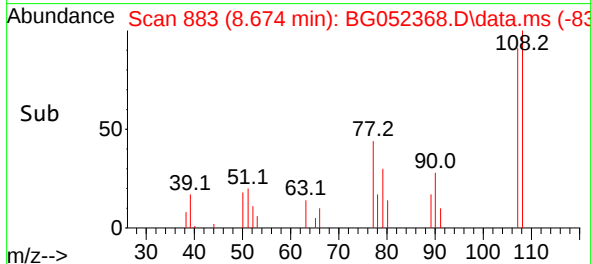
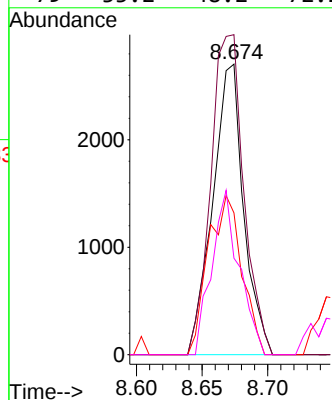
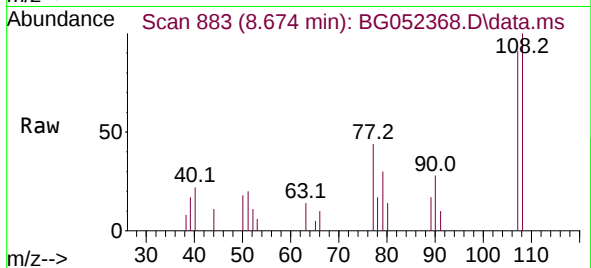




#17
2-Methylphenol
Concen: 3.632 ng
RT: 8.674 min Scan# 81
Delta R.T. 0.010 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

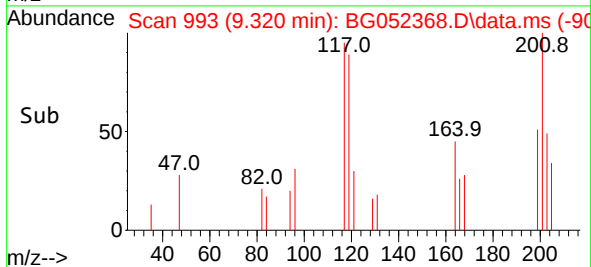
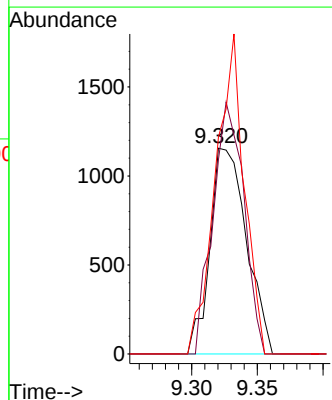
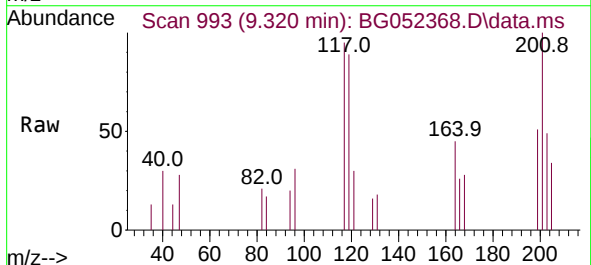
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

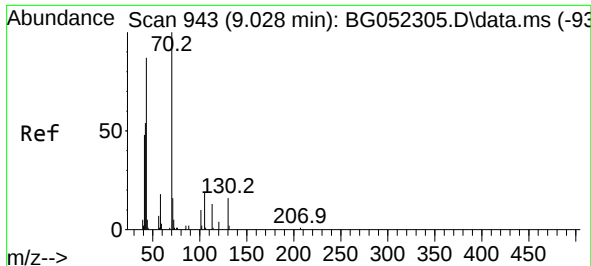
Tgt Ion:107 Resp: 4442
Ion Ratio Lower Upper
107 100
108 110.1 90.3 135.5
77 48.8 49.0 73.6#
79 33.2 48.2 72.2#



#18
Hexachloroethane
Concen: 4.174 ng
RT: 9.320 min Scan# 993
Delta R.T. -0.007 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:117 Resp: 2242
Ion Ratio Lower Upper
117 100
119 94.4 73.5 110.3
201 105.4 91.0 136.6

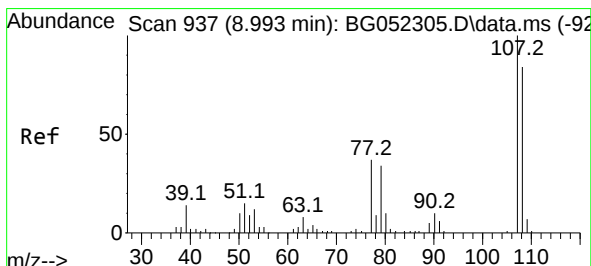
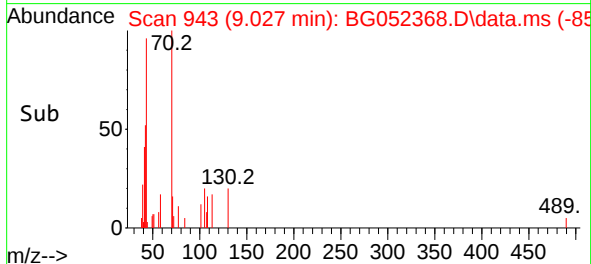
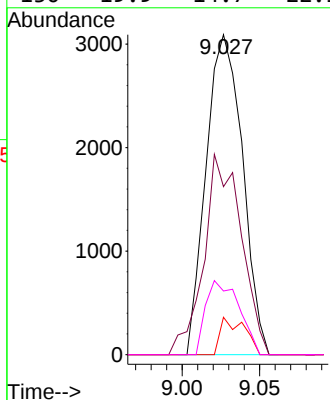
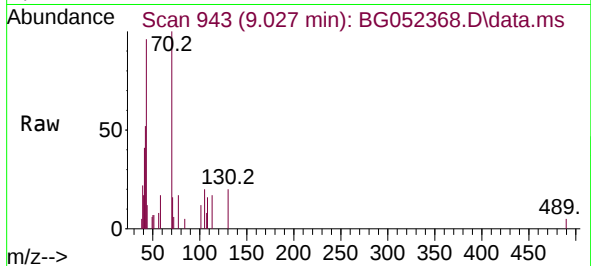




#19
n-Nitroso-di-n-propylamine
Concen: 3.587 ng
RT: 9.027 min Scan# 943
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

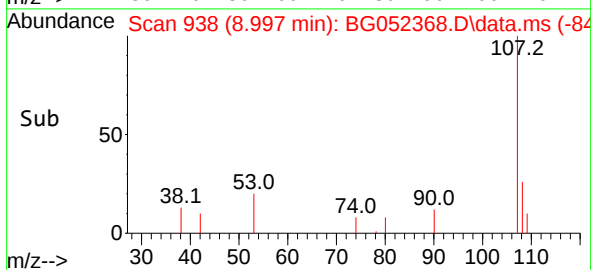
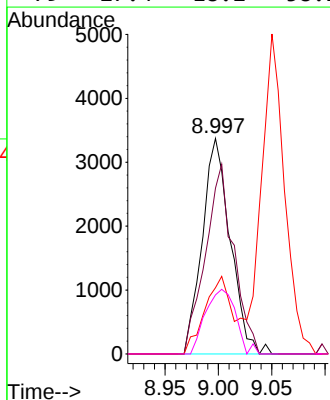
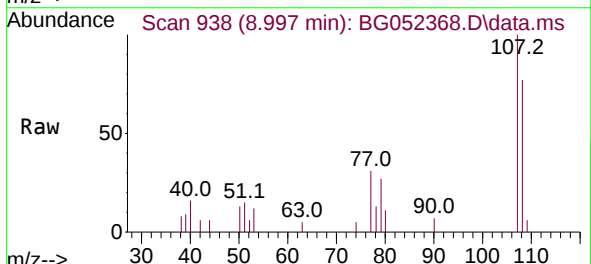
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

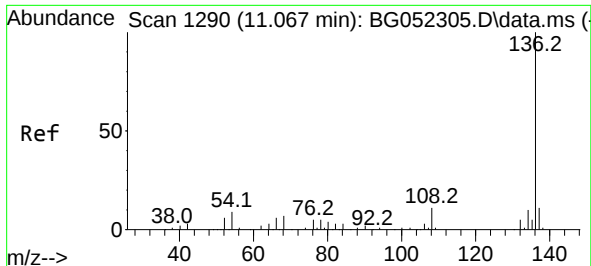
Tgt Ion:	70	Resp:	5045
Ion	Ratio	Lower	Upper
70	100		
42	52.5	51.8	77.6
101	11.7	6.6	10.0#
130	19.9	14.7	22.1



#20
3+4-Methylphenols
Concen: 3.522 ng
RT: 8.997 min Scan# 938
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:	107	Resp:	6163
Ion	Ratio	Lower	Upper
107	100		
108	76.9	71.9	111.9
77	30.8	24.6	64.6
79	27.4	18.2	58.2

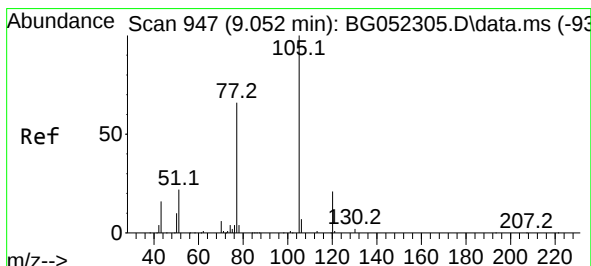
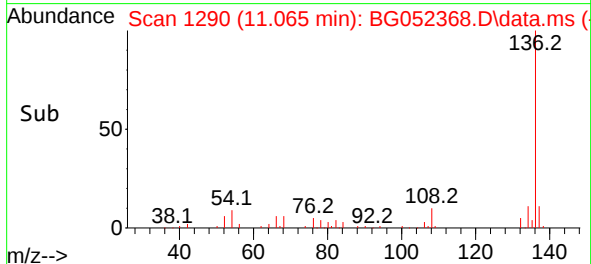
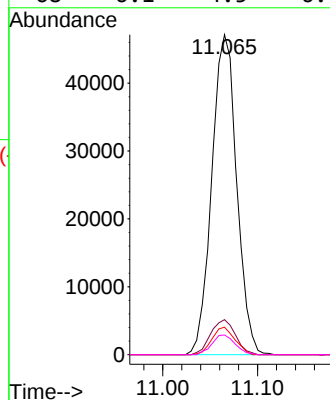
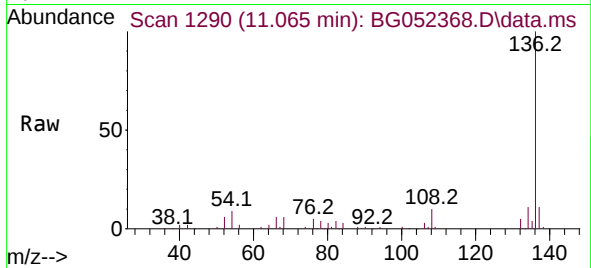




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.065 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

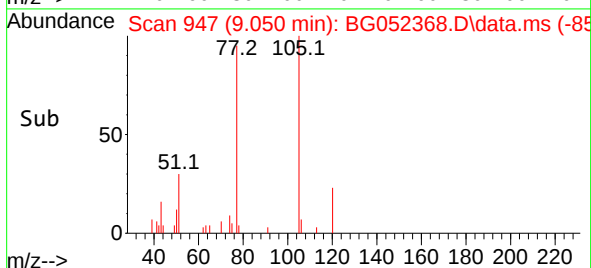
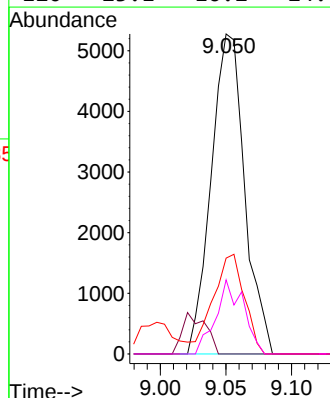
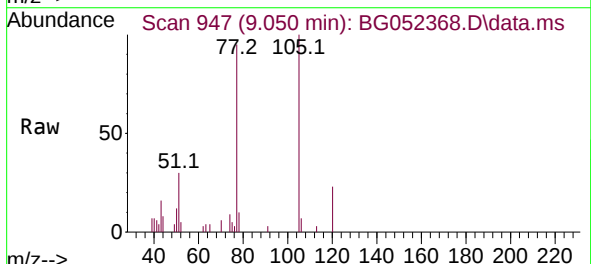
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

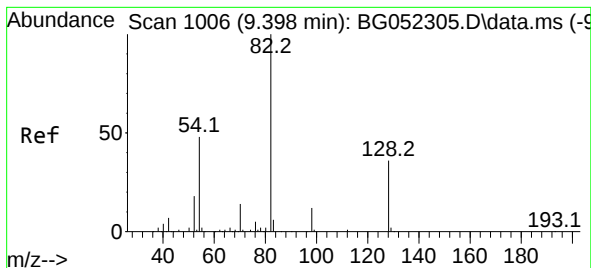
Tgt Ion:	136	Resp:	86021
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	8.6	8.3	12.5
68	6.1	4.5	6.7



#22
Acetophenone
Concen: 4.116 ng
RT: 9.050 min Scan# 947
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:	105	Resp:	9357
Ion Ratio	Lower	Upper	
105	100		
71	0.0	1.8	2.6#
51	29.9	27.0	40.4
120	23.1	16.2	24.4





#23

Nitrobenzene-d5

Concen: 85.292 ng

RT: 9.397 min Scan# 1006

Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

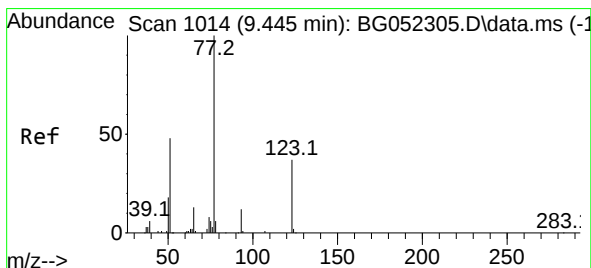
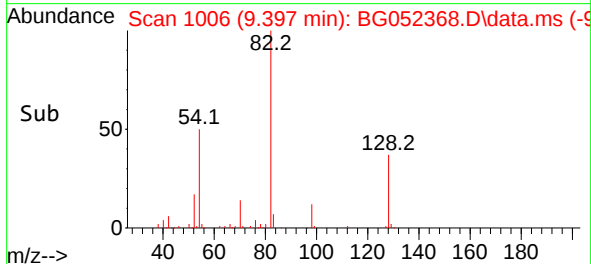
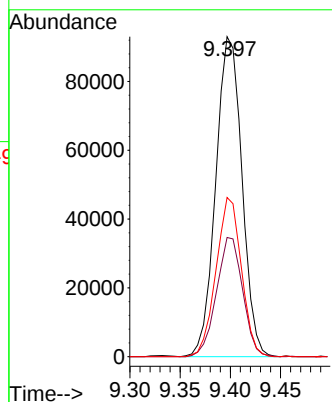
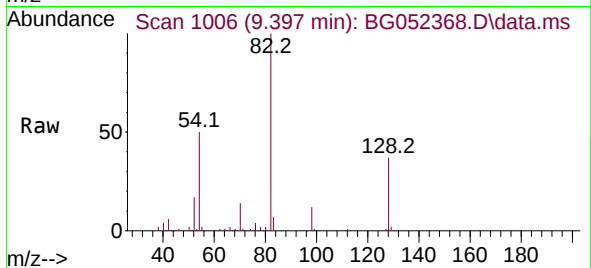
Tgt Ion: 82 Resp: 168815

Ion Ratio Lower Upper

82 100

128 37.3 27.0 40.4

54 49.8 41.0 61.6



#24

Nitrobenzene

Concen: 3.870 ng

RT: 9.444 min Scan# 1014

Delta R.T. -0.001 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

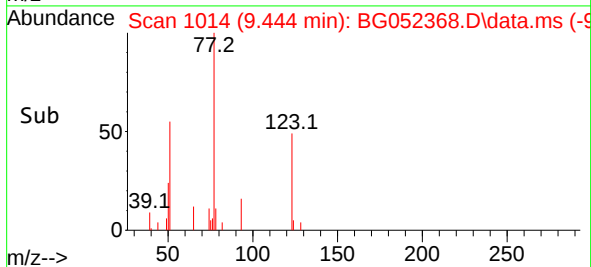
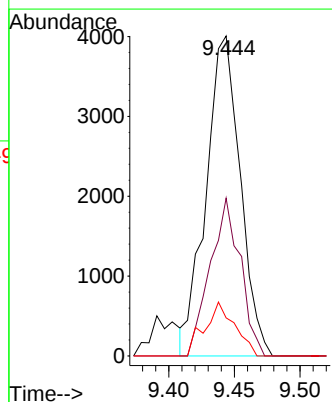
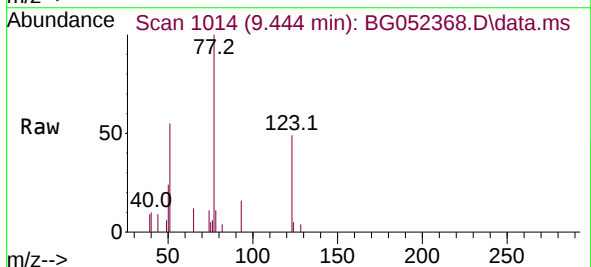
Tgt Ion: 77 Resp: 7265

Ion Ratio Lower Upper

77 100

123 49.3 27.1 40.7#

65 11.9 11.2 16.8

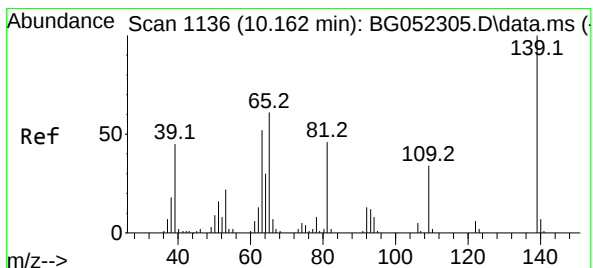
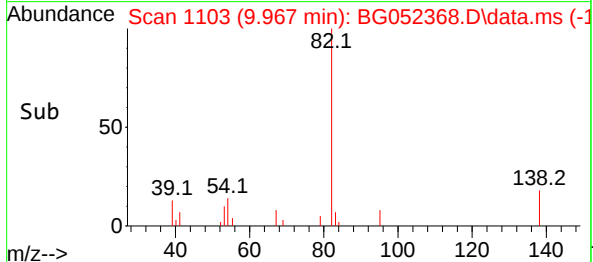
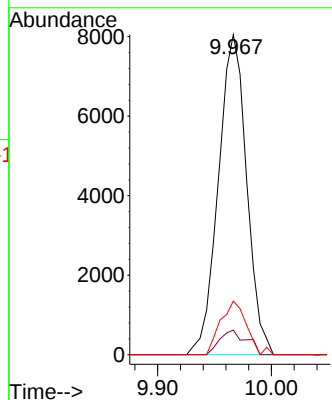
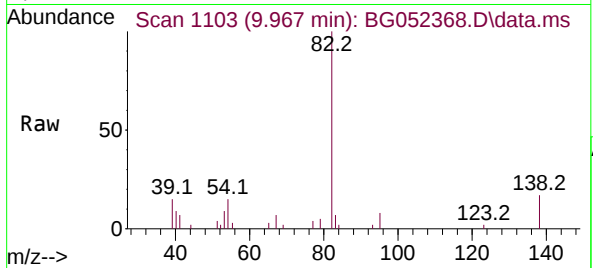




#25
Isophorone
Concen: 4.129 ng
RT: 9.967 min Scan# 1103
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

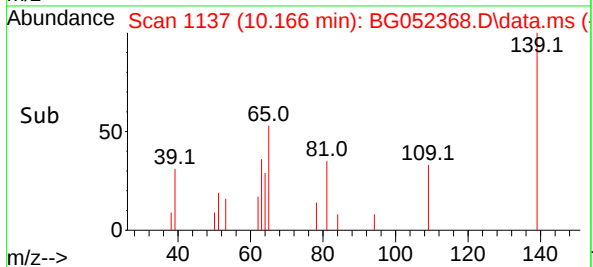
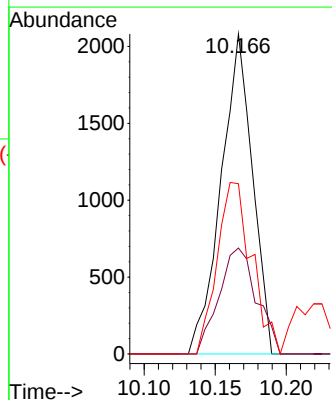
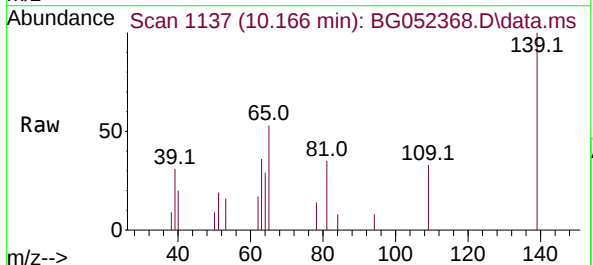
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

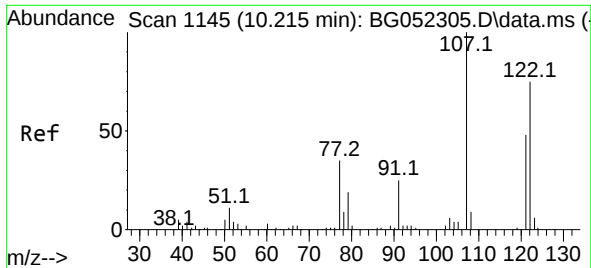
Tgt Ion: 82 Resp: 13905
Ion Ratio Lower Upper
82 100
95 7.7 6.6 9.8
138 16.8 12.5 18.7



#26
2-Nitrophenol
Concen: 4.020 ng
RT: 10.166 min Scan# 1137
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:139 Resp: 3199
Ion Ratio Lower Upper
139 100
109 33.1 30.4 45.6
65 53.2 55.7 83.5#





#27

2,4-Dimethylphenol

Concen: 4.598 ng

RT: 10.213 min Scan# 1145

Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

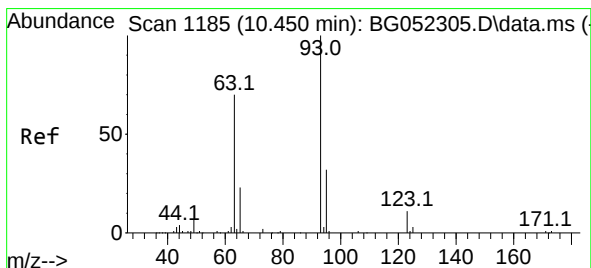
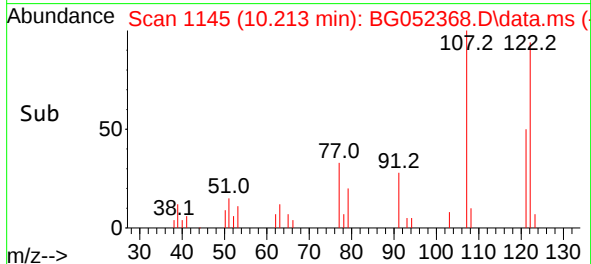
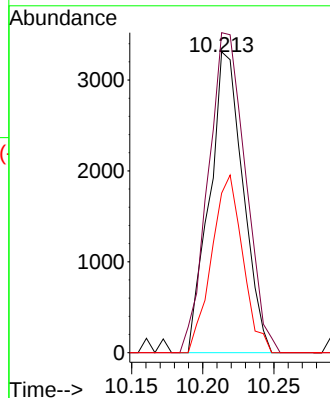
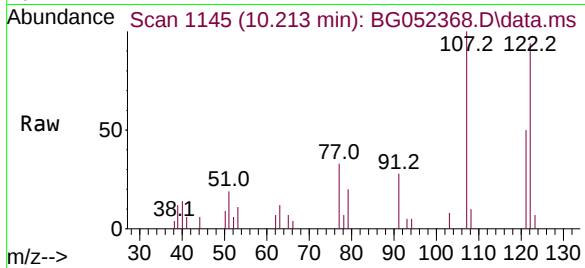
Tgt Ion:122 Resp: 5417

Ion Ratio Lower Upper

122 100

107 106.4 105.8 158.8

121 53.0 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 4.100 ng

RT: 10.442 min Scan# 1184

Delta R.T. -0.007 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

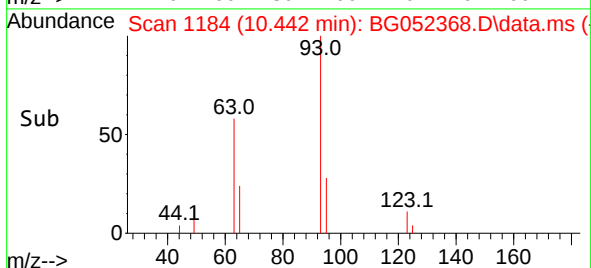
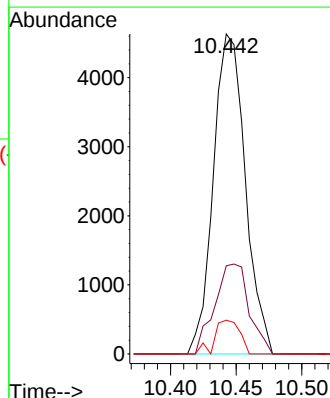
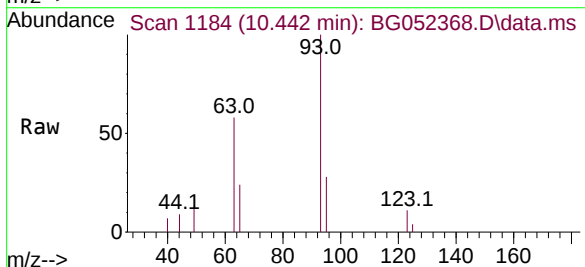
Tgt Ion: 93 Resp: 7837

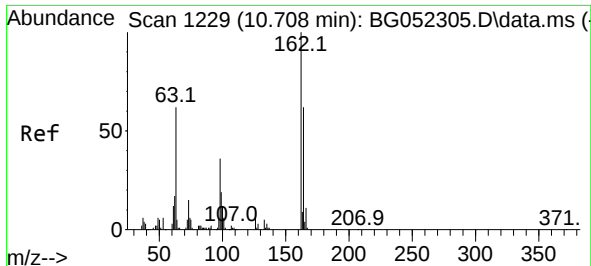
Ion Ratio Lower Upper

93 100

95 27.5 26.1 39.1

123 10.6 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 3.725 ng

RT: 10.713 min Scan# 1230

Delta R.T. 0.004 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

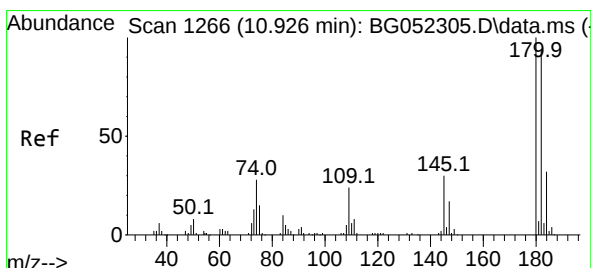
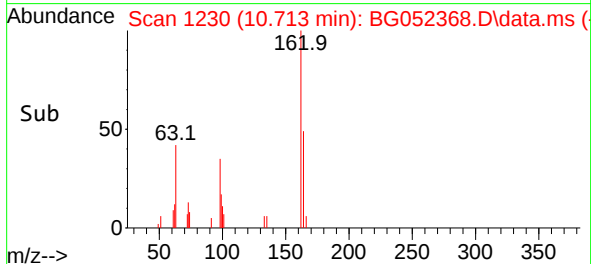
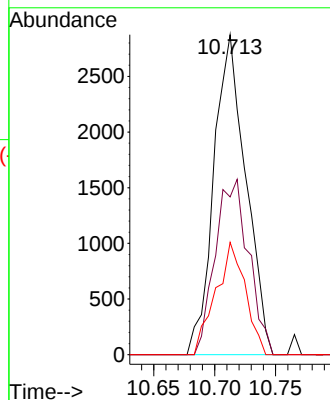
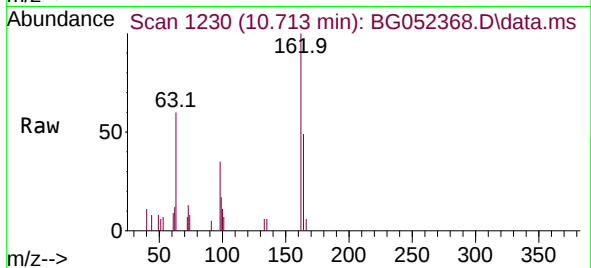
Tgt Ion:162 Resp: 5260

Ion Ratio Lower Upper

162 100

164 49.3 44.3 84.3

98 35.1 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 4.005 ng

RT: 10.924 min Scan# 1266

Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

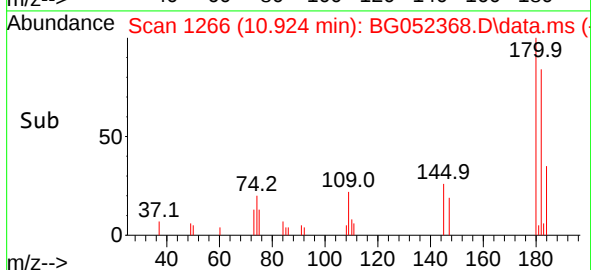
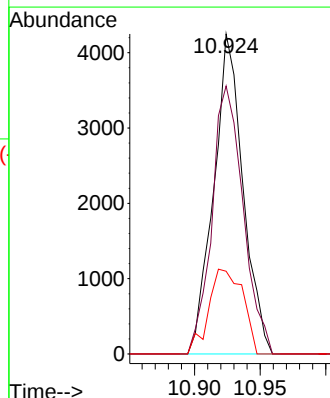
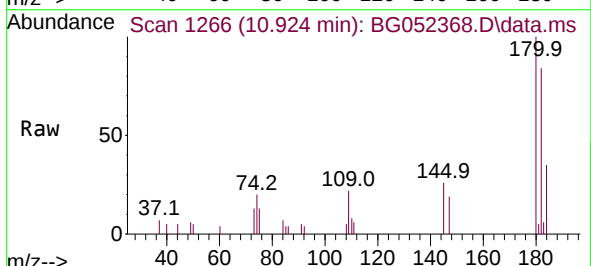
Tgt Ion:180 Resp: 6604

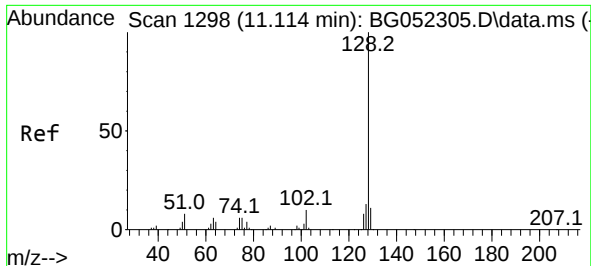
Ion Ratio Lower Upper

180 100

182 83.7 76.1 114.1

145 25.8 24.0 36.0

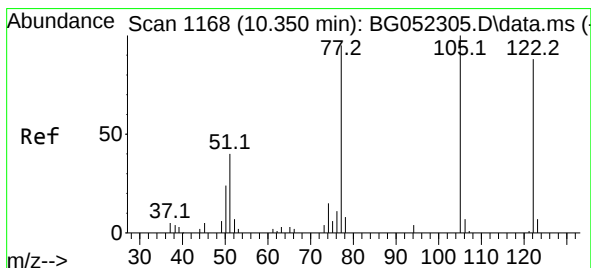
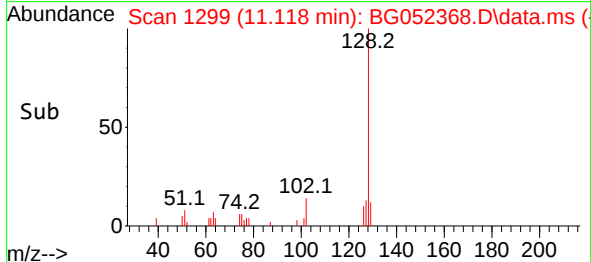
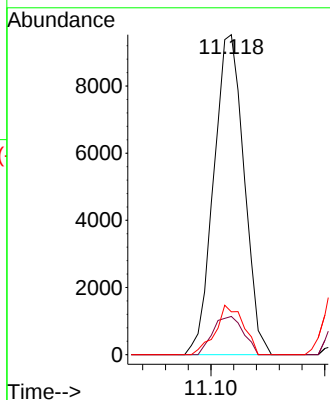
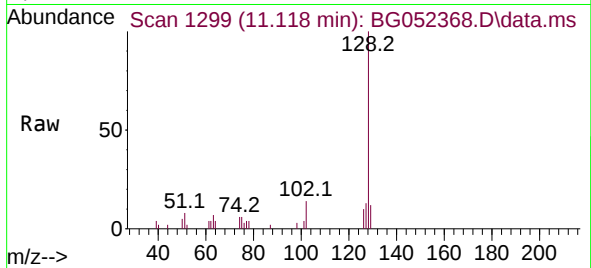




#31
Naphthalene
Concen: 3.905 ng
RT: 11.118 min Scan# 1118
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

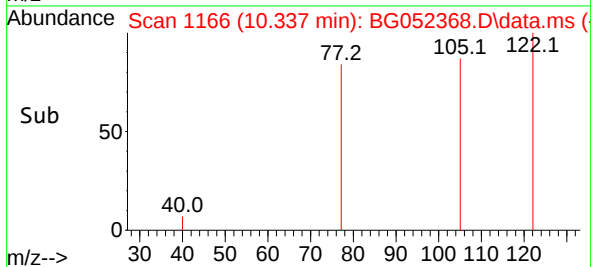
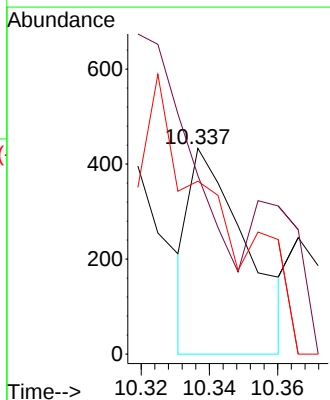
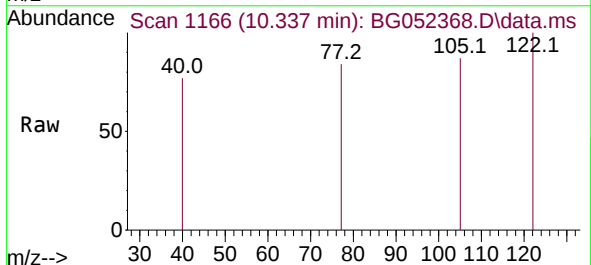
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

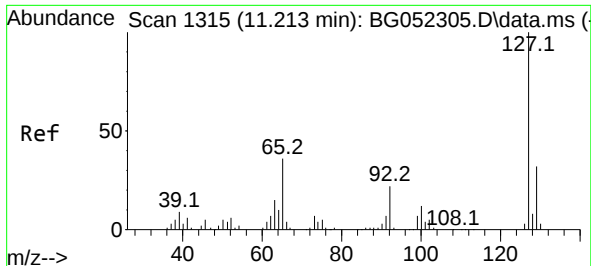
Tgt Ion:128 Resp: 17612
Ion Ratio Lower Upper
128 100
129 11.9 9.8 14.6
127 13.4 12.0 18.0



#32
Benzoic acid
Concen: 0.711 ng
RT: 10.337 min Scan# 1166
Delta R.T. -0.013 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:122 Resp: 492
Ion Ratio Lower Upper
122 100
105 86.8 109.2 149.2#
77 84.1 92.8 132.8#

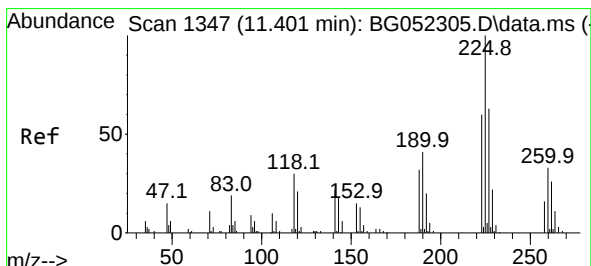
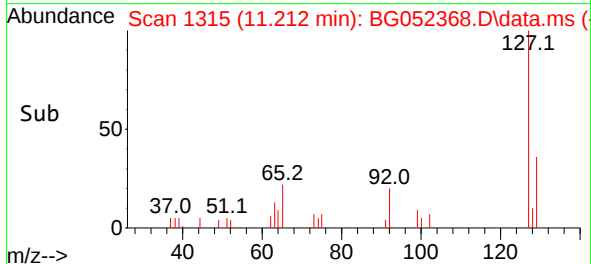
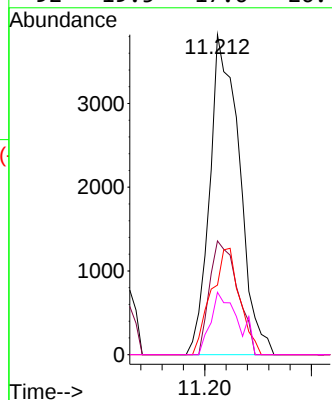
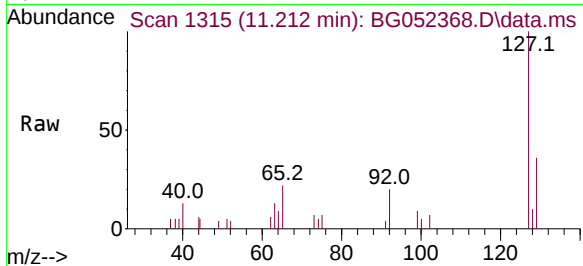




#33
4-Chloroaniline
Concen: 3.916 ng
RT: 11.212 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

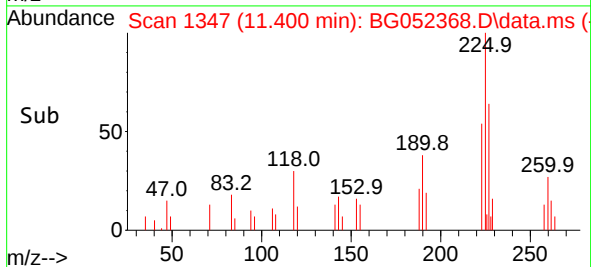
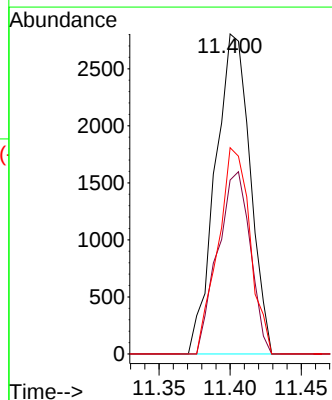
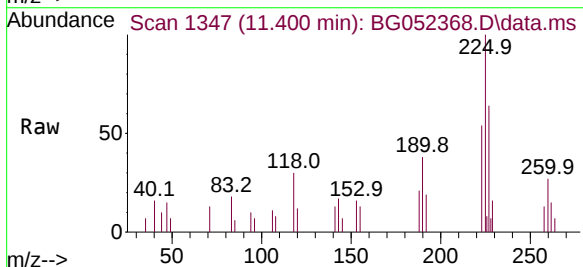
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:	127	Resp:	7373
Ion	Ratio	Lower	Upper
127	100		
129	35.5	27.0	40.6
65	21.7	28.7	43.1#
92	19.5	17.6	26.4



#34
Hexachlorobutadiene
Concen: 4.292 ng
RT: 11.400 min Scan# 1347
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:	225	Resp:	4780
Ion	Ratio	Lower	Upper
225	100		
223	54.3	51.6	77.4
227	64.5	53.9	80.9

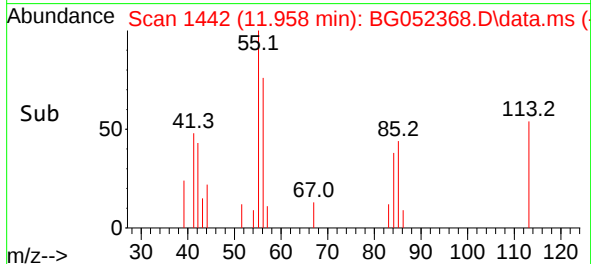
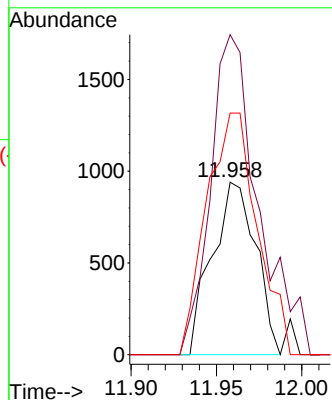
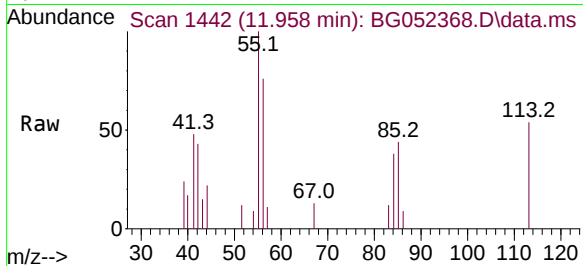




#35
 Caprolactam
 Concen: 3.260 ng
 RT: 11.958 min Scan# 1445
 Delta R.T. -0.019 min
 Lab File: BG052368.D
 Acq: 11 Feb 2022 11:54

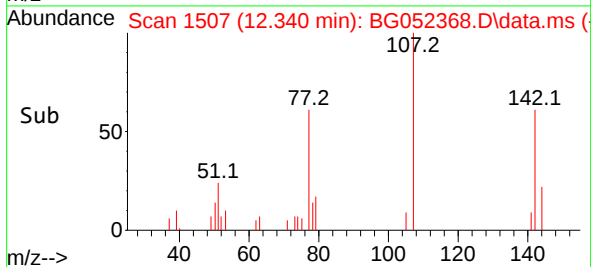
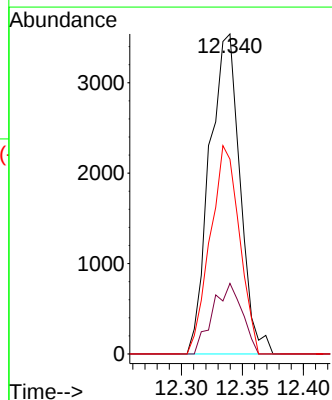
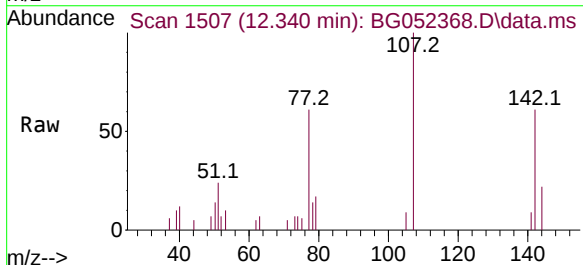
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

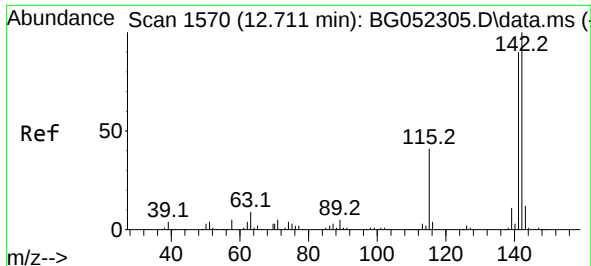
Tgt Ion:113 Resp: 1678
 Ion Ratio Lower Upper
 113 100
 55 185.5 161.4 201.4
 56 140.1 132.6 172.6



#36
 4-Chloro-3-methylphenol
 Concen: 3.824 ng
 RT: 12.340 min Scan# 1507
 Delta R.T. 0.010 min
 Lab File: BG052368.D
 Acq: 11 Feb 2022 11:54

Tgt Ion:107 Resp: 6144
 Ion Ratio Lower Upper
 107 100
 144 22.1 19.3 28.9
 142 60.9 63.9 95.9#





#37

2-Methylnaphthalene

Concen: 4.002 ng

RT: 12.710 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

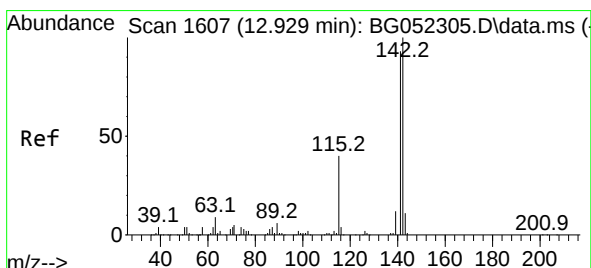
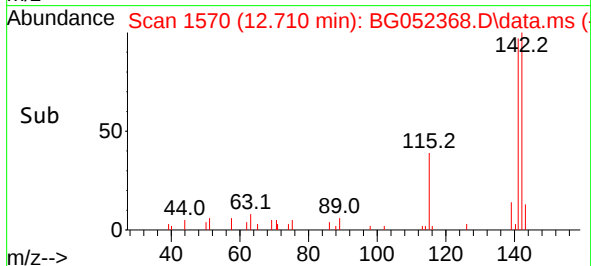
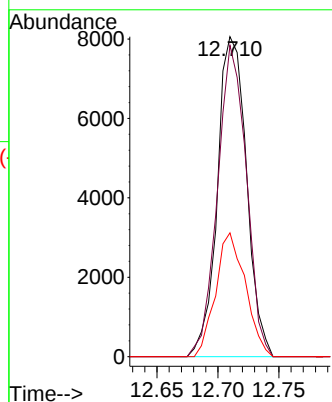
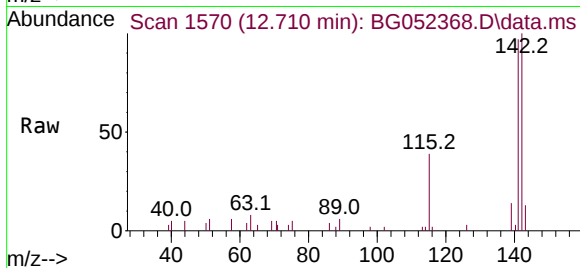
Tgt Ion:142 Resp: 13404

Ion Ratio Lower Upper

142 100

141 97.3 71.7 107.5

115 38.7 32.2 48.4



#38

1-Methylnaphthalene

Concen: 3.972 ng

RT: 12.933 min Scan# 1608

Delta R.T. 0.004 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

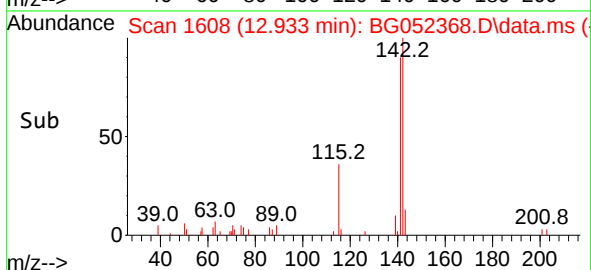
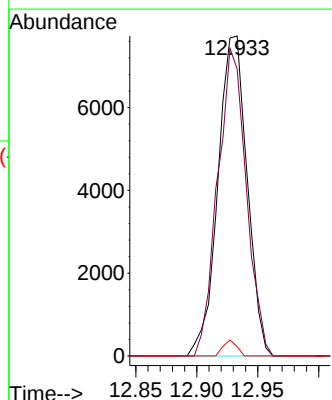
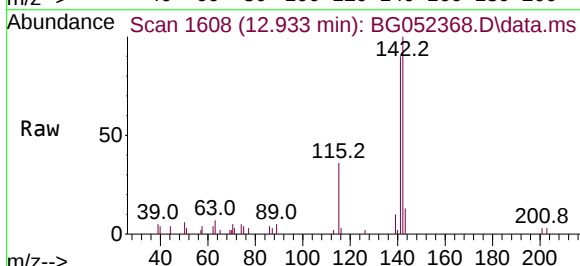
Tgt Ion:142 Resp: 12891

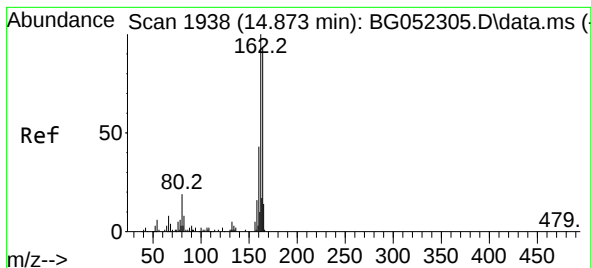
Ion Ratio Lower Upper

142 100

141 89.7 75.0 112.4

116 2.9 4.2 6.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.872 min Scan# 1938

Delta R.T. -0.001 min

Lab File: BG052368.D

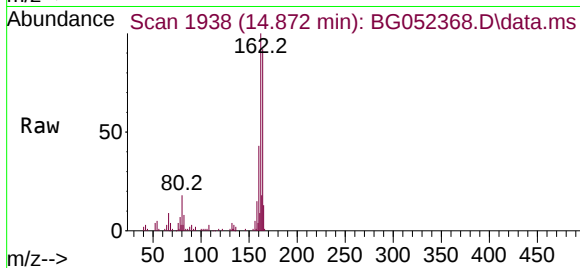
Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



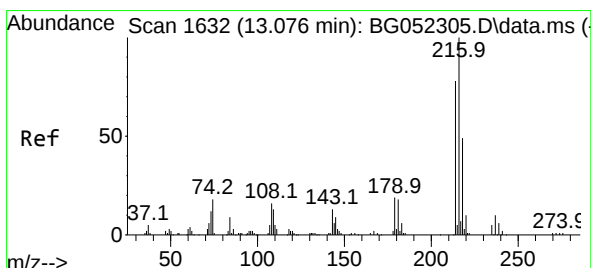
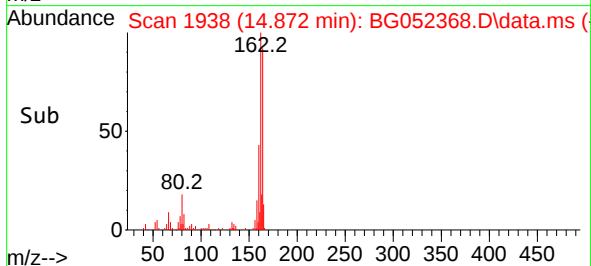
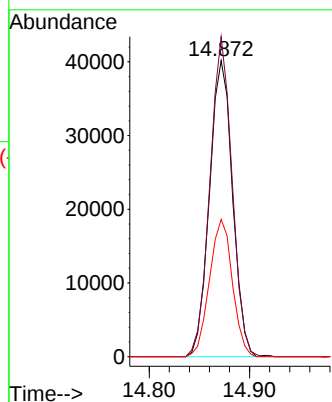
Tgt Ion:164 Resp: 63999

Ion Ratio Lower Upper

164 100

162 108.1 82.2 123.2

160 46.4 36.2 54.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.060 ng

RT: 13.080 min Scan# 1633

Delta R.T. 0.004 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Tgt Ion:216 Resp: 8547

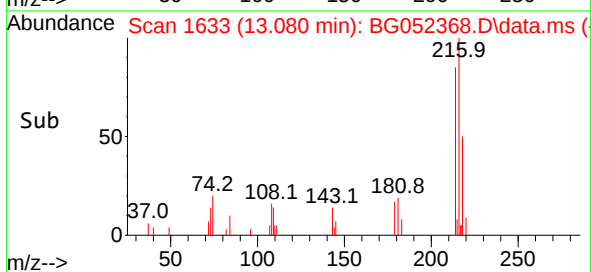
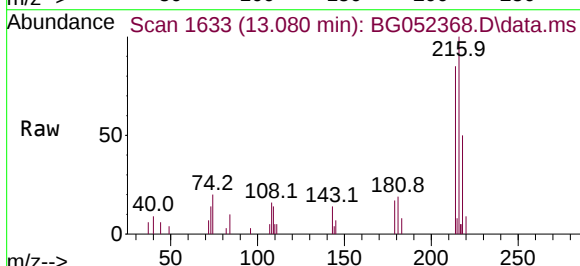
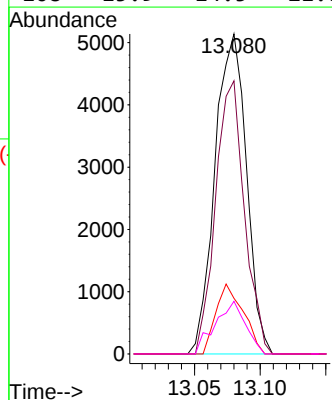
Ion Ratio Lower Upper

216 100

214 78.3 63.2 94.8

179 19.1 16.3 24.5

108 15.9 14.5 21.7

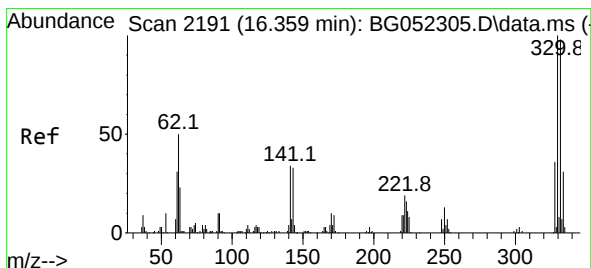
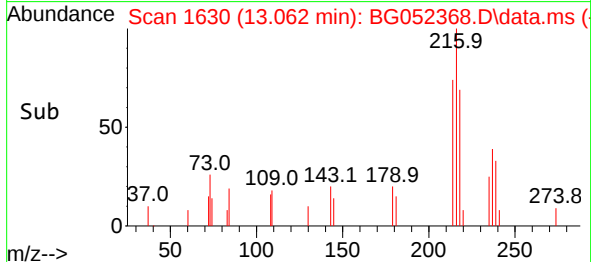
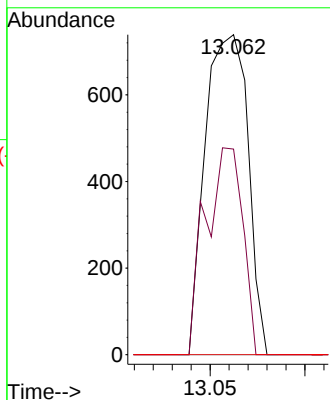
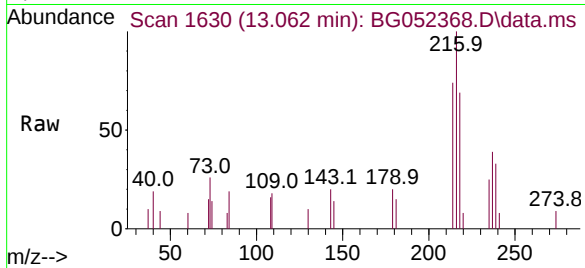




#41
Hexachlorocyclopentadiene
Concen: 1.301 ng
RT: 13.062 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

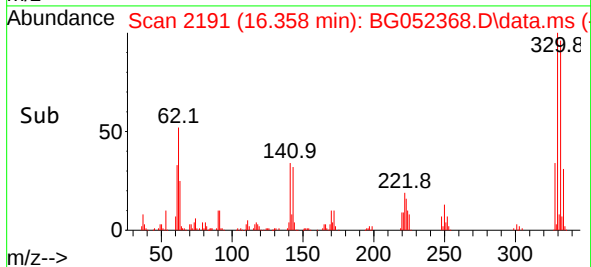
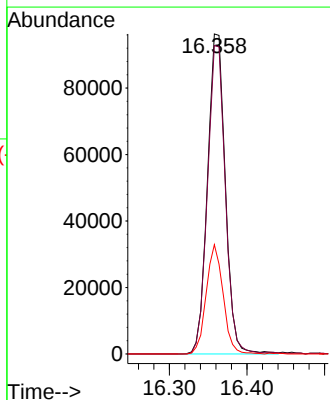
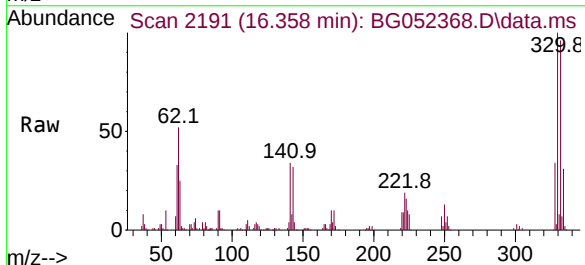
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:237 Resp: 1156
Ion Ratio Lower Upper
237 100
235 64.3 45.9 85.9
272 0.0 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 167.213 ng
RT: 16.358 min Scan# 2191
Delta R.T. -0.001 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:330 Resp: 153744
Ion Ratio Lower Upper
330 100
332 96.1 78.6 117.8
141 32.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 3.379 ng

RT: 13.315 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG052368.D

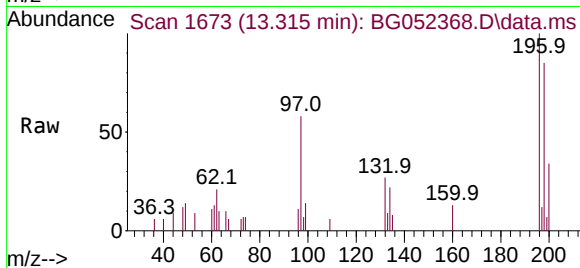
Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



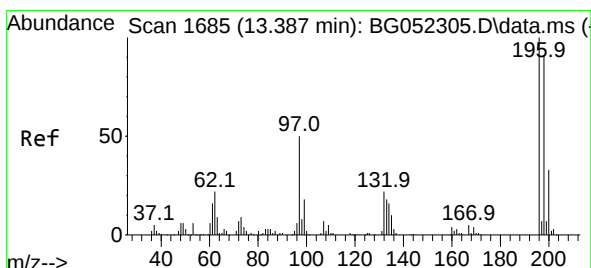
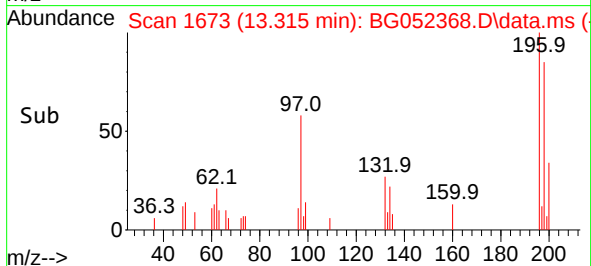
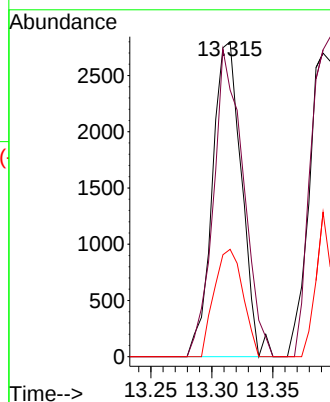
Tgt Ion:196 Resp: 4652

Ion Ratio Lower Upper

196 100

198 84.7 78.4 117.6

200 34.1 28.5 42.7



#44

2,4,5-Trichlorophenol

Concen: 3.381 ng

RT: 13.391 min Scan# 1686

Delta R.T. 0.004 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Tgt Ion:196 Resp: 5045

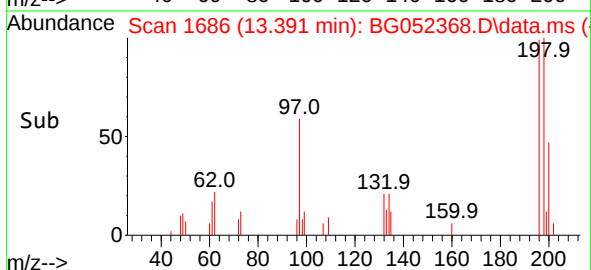
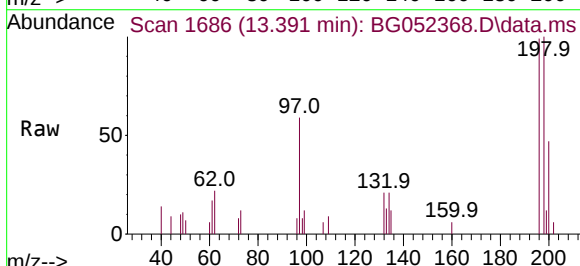
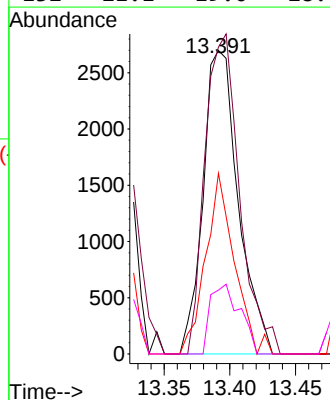
Ion Ratio Lower Upper

196 100

198 101.1 78.6 118.0

97 59.5 43.8 65.8

132 21.1 19.0 28.6

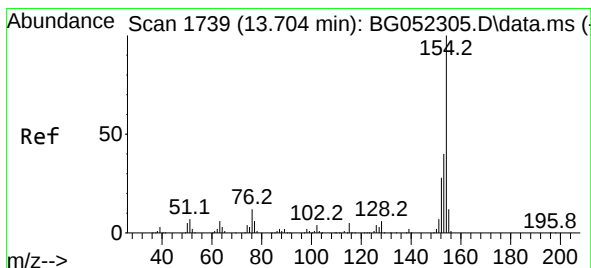
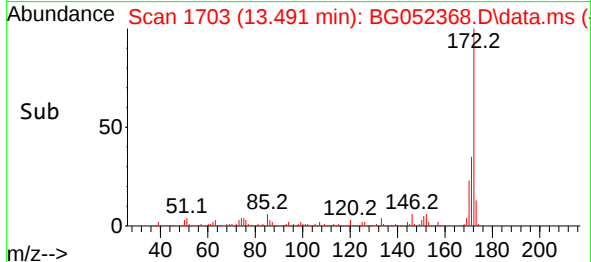
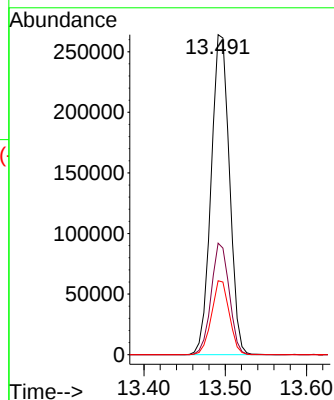
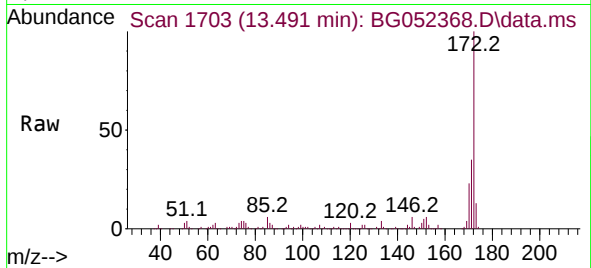




#45
2-Fluorobiphenyl
Concen: 89.692 ng
RT: 13.491 min Scan# 1703
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

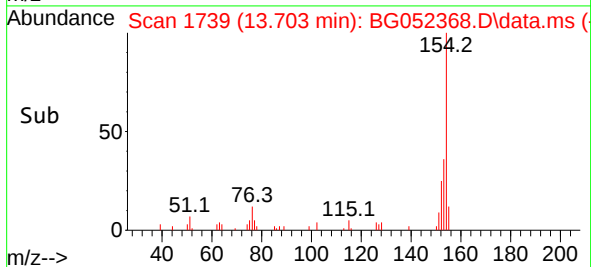
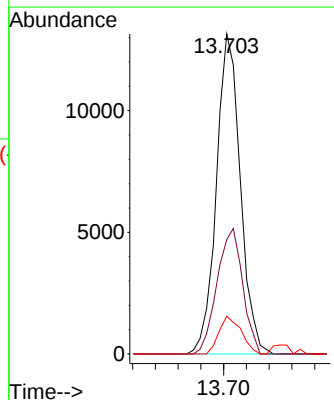
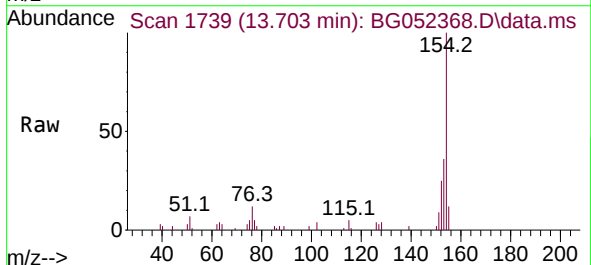
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

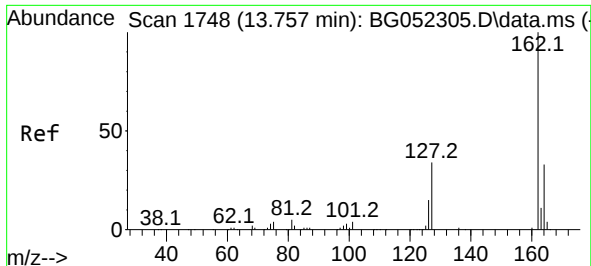
Tgt Ion:172 Resp: 413101
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.1 18.3 27.5



#46
1,1'-Biphenyl
Concen: 4.092 ng
RT: 13.703 min Scan# 1739
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:154 Resp: 19205
Ion Ratio Lower Upper
154 100
153 35.8 21.1 61.1
76 11.8 0.0 32.6

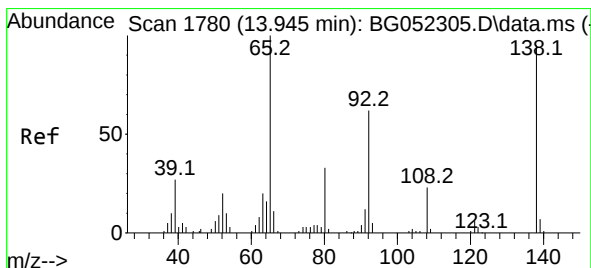
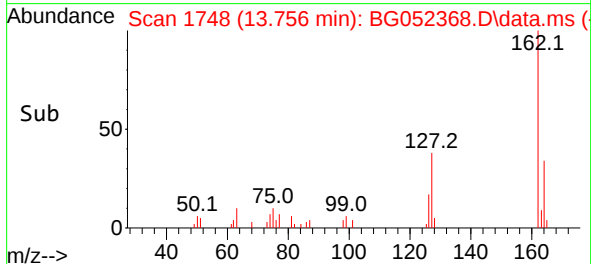
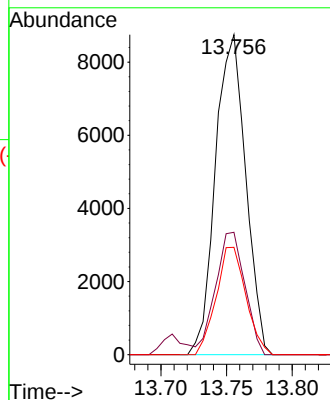
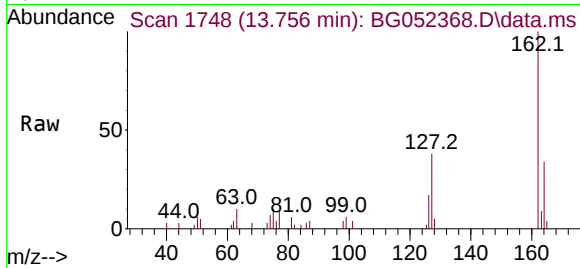




#47
2-Chloronaphthalene
Concen: 3.875 ng
RT: 13.756 min Scan# 1748
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

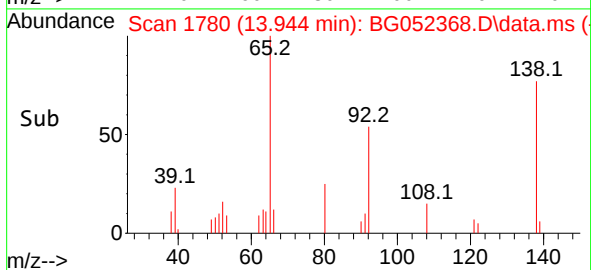
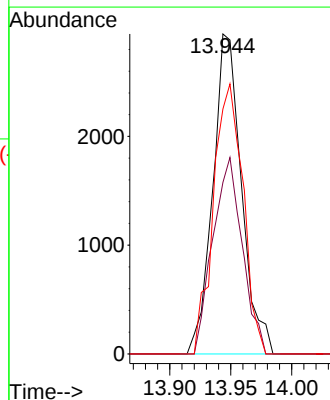
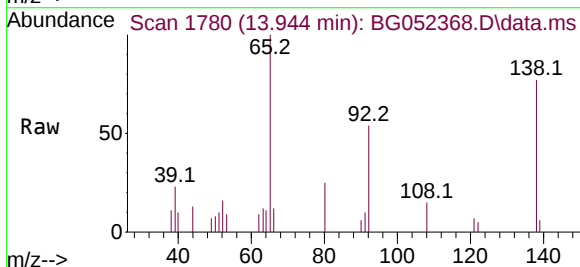
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

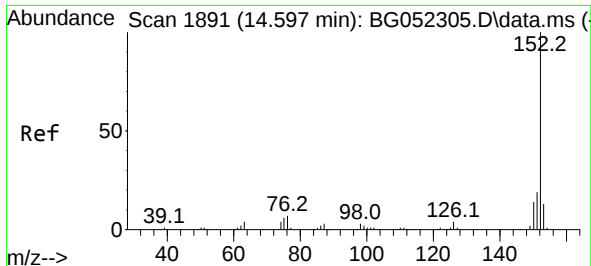
Tgt Ion:	162	Resp:	14011
Ion	Ratio	Lower	Upper
162	100		
127	38.3	30.4	45.6
164	33.6	25.0	37.4



#48
2-Nitroaniline
Concen: 3.738 ng
RT: 13.944 min Scan# 1780
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:	65	Resp:	4811
Ion	Ratio	Lower	Upper
65	100		
92	53.6	51.0	76.6
138	76.5	72.4	108.6

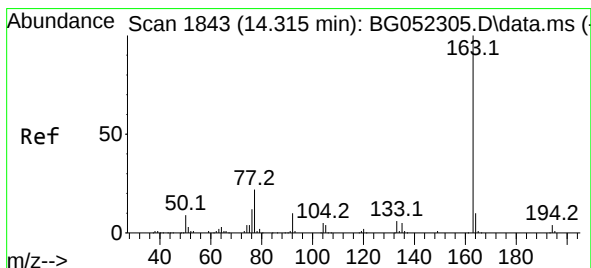
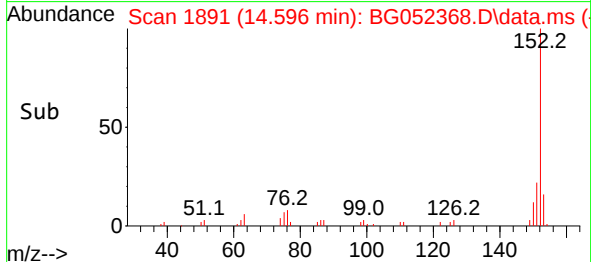
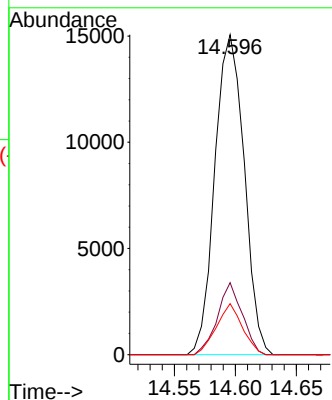
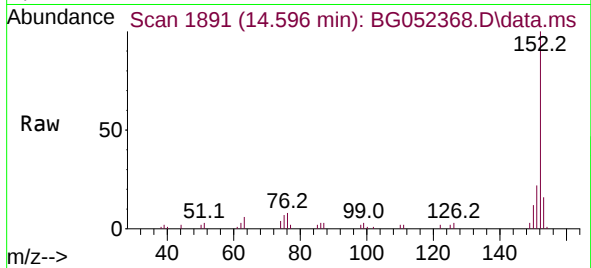




#49
Acenaphthylene
Concen: 4.287 ng
RT: 14.596 min Scan# 1891
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

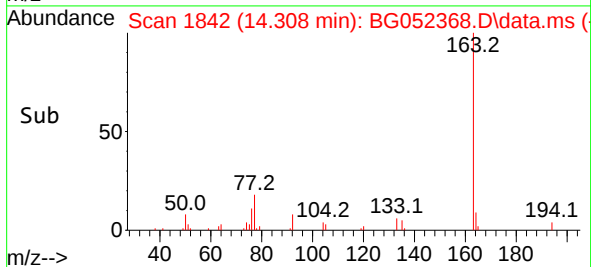
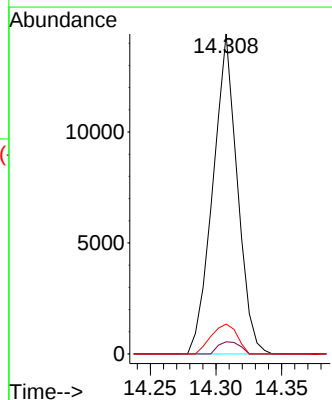
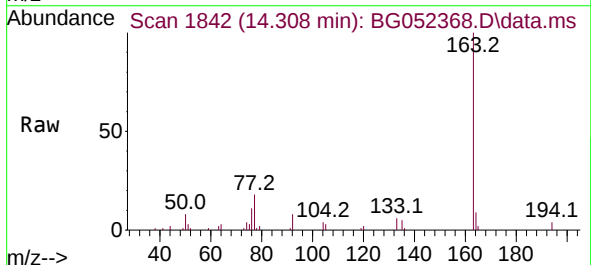
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:152 Resp: 25231
Ion Ratio Lower Upper
152 100
151 22.5 16.1 24.1
153 15.9 10.8 16.2



#50
Dimethylphthalate
Concen: 3.812 ng
RT: 14.308 min Scan# 1842
Delta R.T. -0.007 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:163 Resp: 18690
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 9.4 8.4 12.6

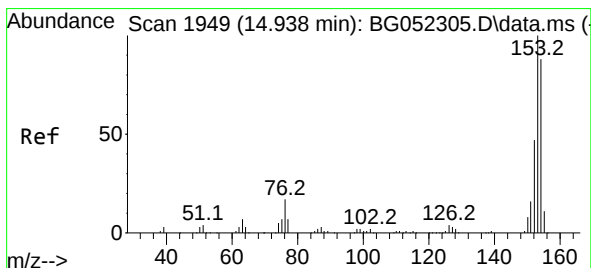
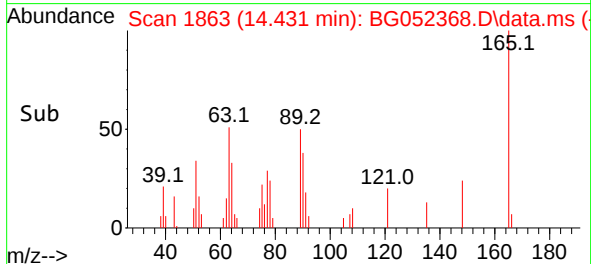
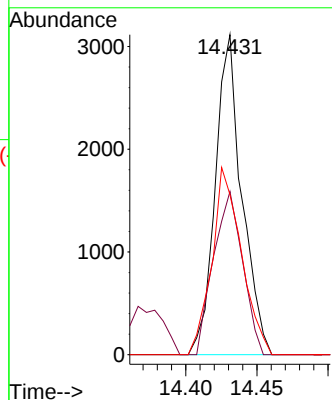
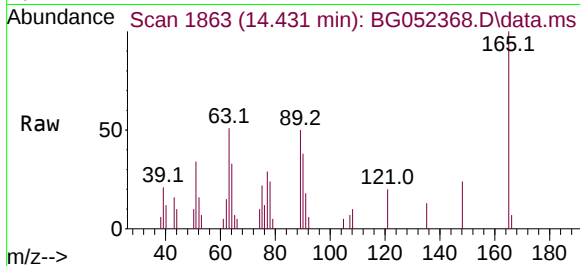




#51
2,6-Dinitrotoluene
Concen: 3.831 ng
RT: 14.431 min Scan# 1863
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

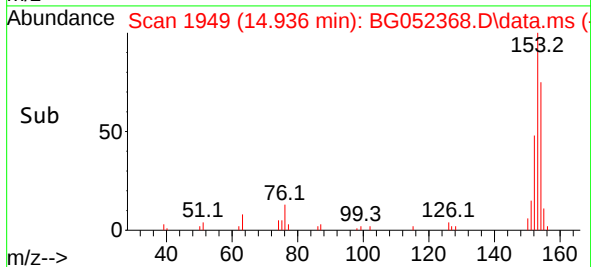
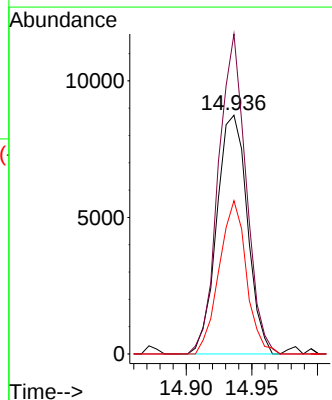
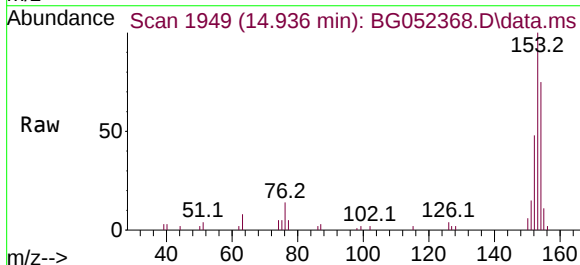
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

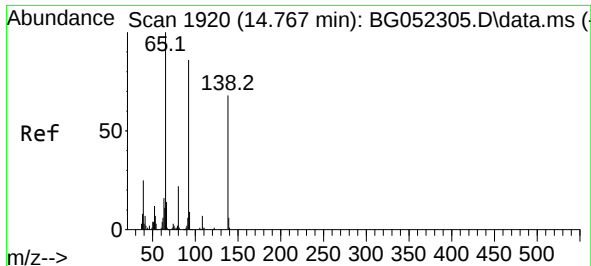
Tgt Ion:165 Resp: 4053
Ion Ratio Lower Upper
165 100
63 51.0 59.0 88.4#
89 50.0 49.4 74.0



#52
Acenaphthene
Concen: 3.674 ng
RT: 14.936 min Scan# 1949
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:154 Resp: 14161
Ion Ratio Lower Upper
154 100
153 134.1 91.9 137.9
152 64.2 43.4 65.2

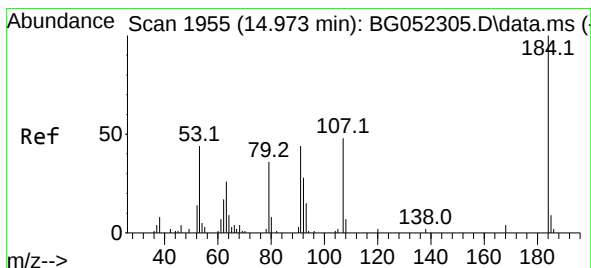
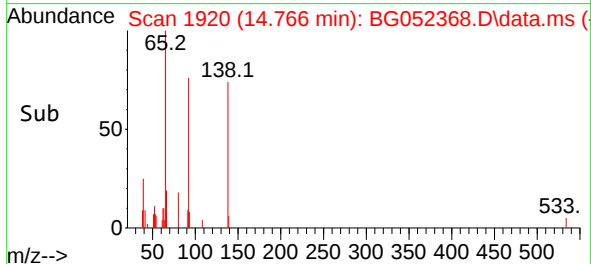
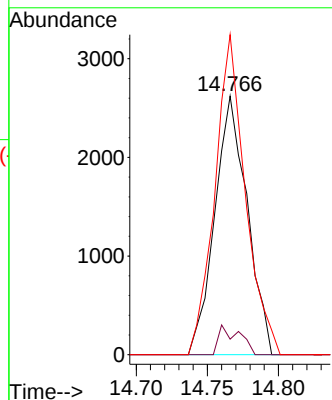
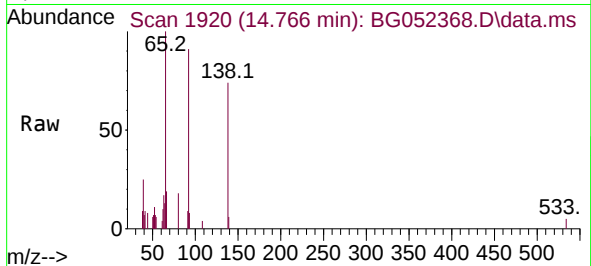




#53
3-Nitroaniline
Concen: 3.784 ng
RT: 14.766 min Scan# 1920
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

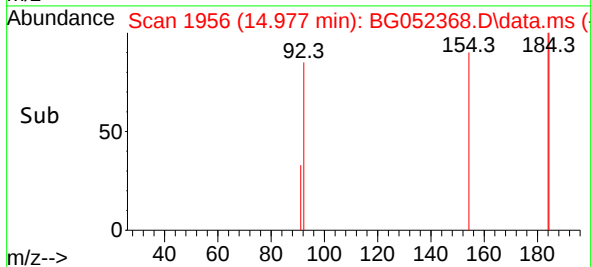
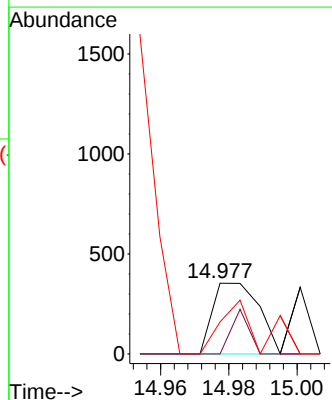
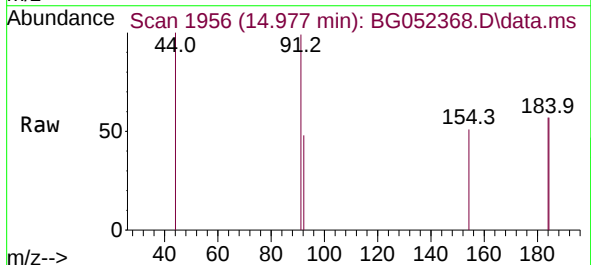
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

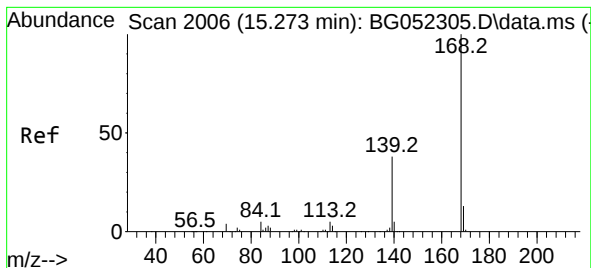
Tgt Ion:138 Resp: 4161
Ion Ratio Lower Upper
138 100
108 6.0 7.8 11.8#
92 123.8 100.4 150.6



#54
2,4-Dinitrophenol
Concen: 0.581 ng
RT: 14.977 min Scan# 1956
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:184 Resp: 333
Ion Ratio Lower Upper
184 100
63 0.0 56.0 84.0#
154 45.2 50.2 75.2#





#55

Dibenzenofuran

Concen: 4.009 ng

RT: 15.265 min Scan# 20

Delta R.T. -0.007 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

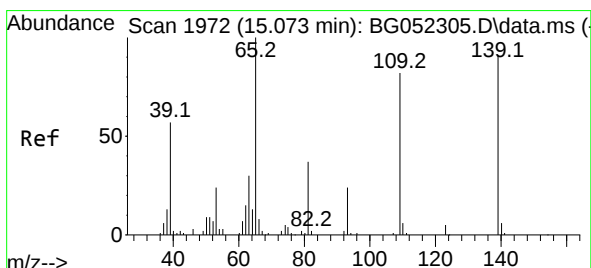
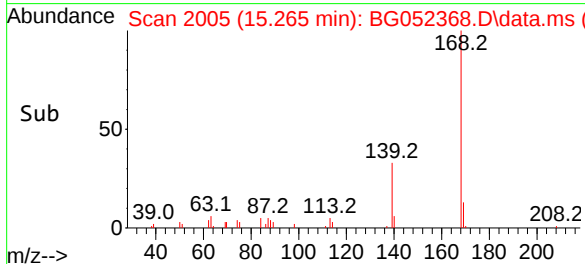
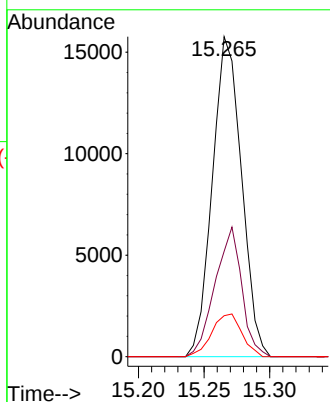
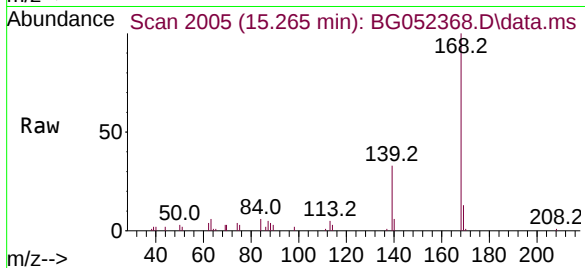
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:168	Resp:	24304
Ion	Ratio	Lower Upper
168	100	
139	32.9	30.7 46.1
169	12.8	10.9 16.3



#56

4-Nitrophenol

Concen: 3.079 ng

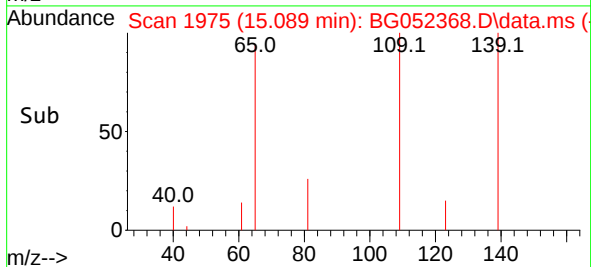
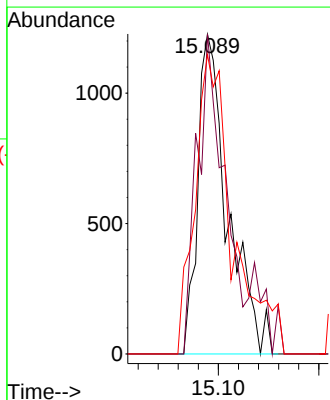
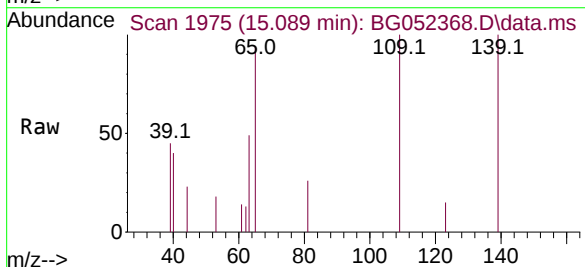
RT: 15.089 min Scan# 1975

Delta R.T. 0.016 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Tgt Ion:139	Resp:	2543
Ion	Ratio	Lower Upper
139	100	
109	100.1	84.9 124.9
65	93.6	109.9 149.9#





#57

2,4-Dinitrotoluene

Concen: 3.747 ng

RT: 15.224 min Scan# 1997

Delta R.T. 0.004 min

Lab File: BG052368.D

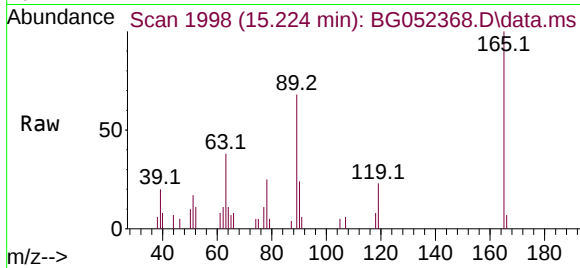
Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:165 Resp: 5642

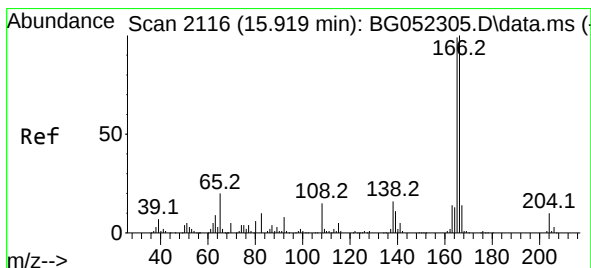
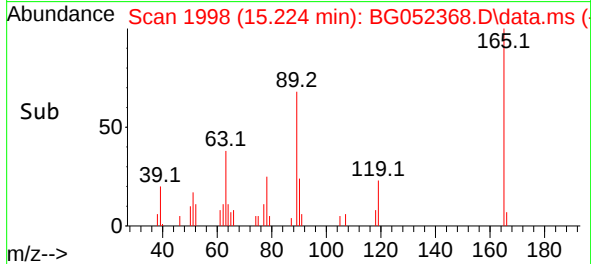
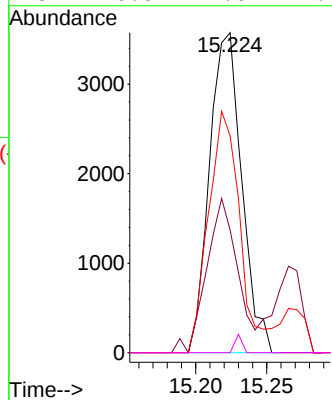
Ion Ratio Lower Upper

165 100

63 38.3 44.6 66.8#

89 67.8 67.4 101.0

182 0.0 1.6 2.4#



#58

Fluorene

Concen: 4.099 ng

RT: 15.917 min Scan# 2116

Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

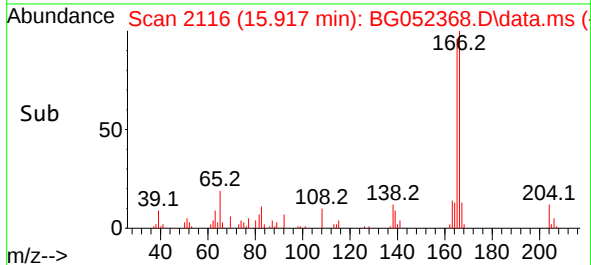
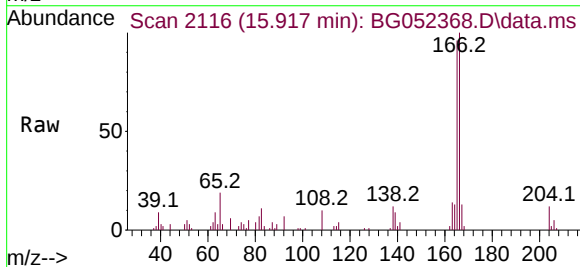
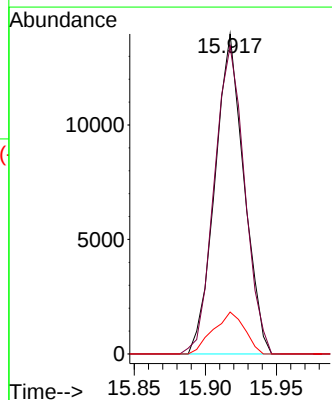
Tgt Ion:166 Resp: 19835

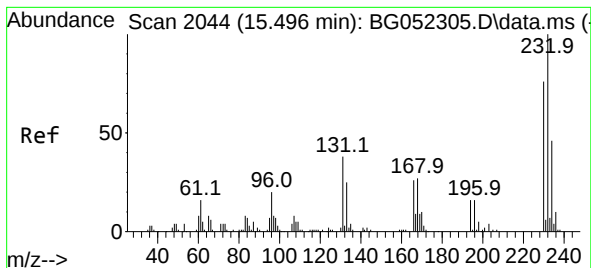
Ion Ratio Lower Upper

166 100

165 96.1 80.0 120.0

167 13.1 11.1 16.7

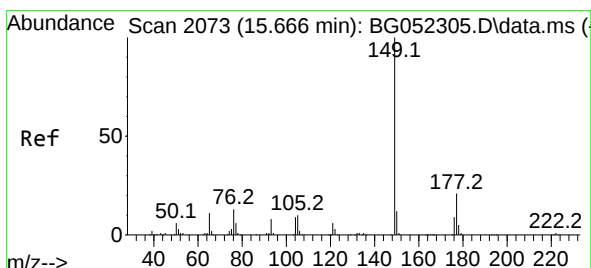
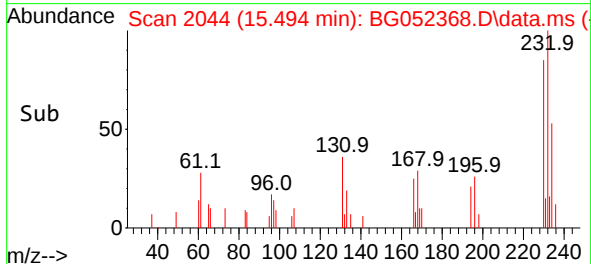
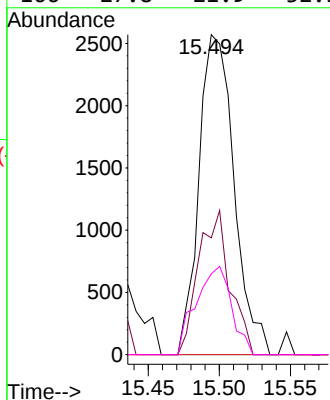
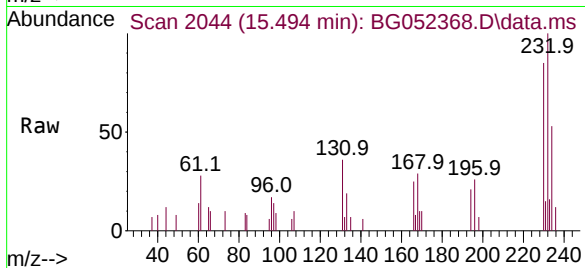




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.103 ng
RT: 15.494 min Scan# 2044
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

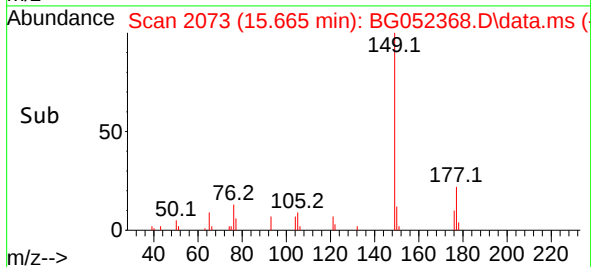
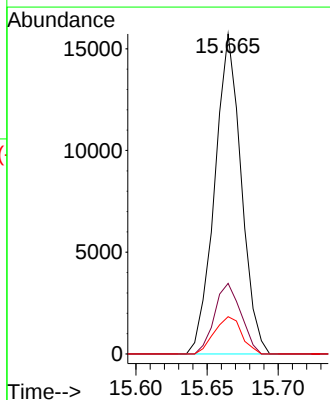
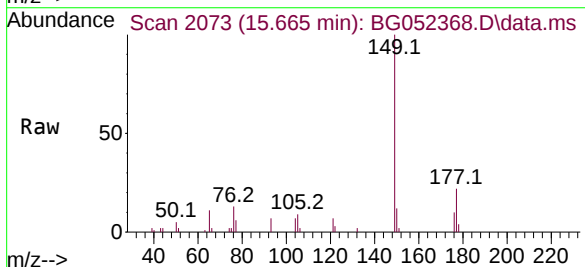
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:	232	Resp:	4422
Ion Ratio	Lower	Upper	
232	100		
131	40.2	32.2	48.4
130	0.0	2.2	3.4#
166	27.8	21.9	32.9



#60
Diethylphthalate
Concen: 4.122 ng
RT: 15.665 min Scan# 2073
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:	149	Resp:	20414
Ion Ratio	Lower	Upper	
149	100		
177	22.0	17.8	26.6
150	11.7	9.2	13.8

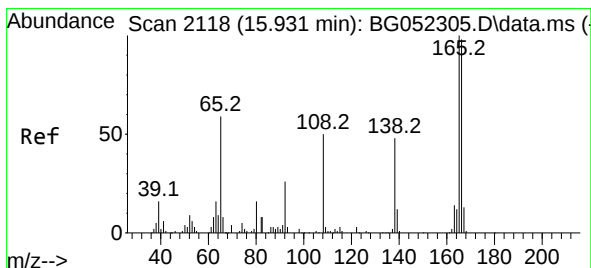
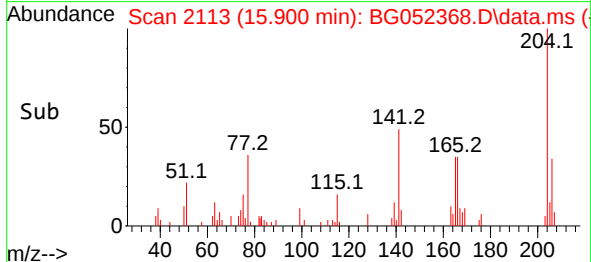
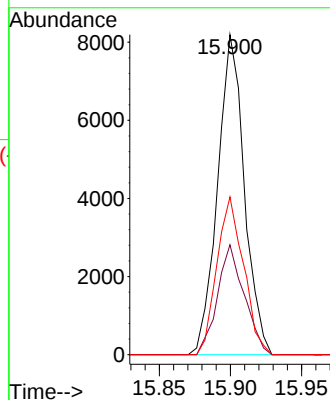
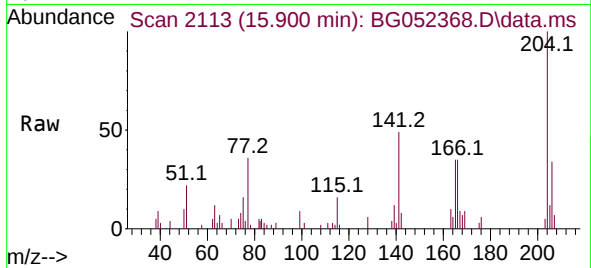




#61
4-Chlorophenyl-phenylether
Concen: 3.880 ng
RT: 15.900 min Scan# 2113
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

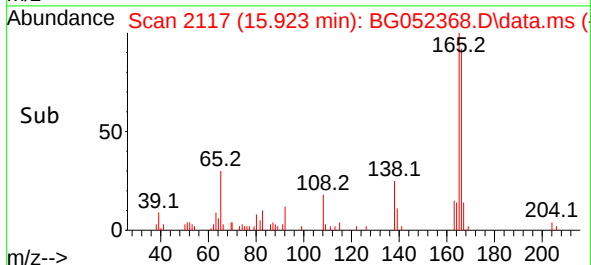
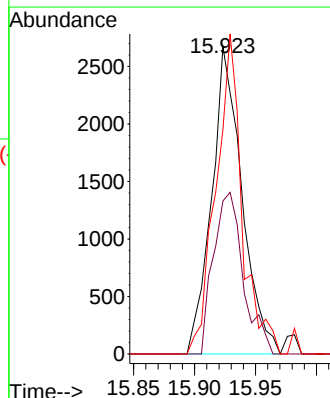
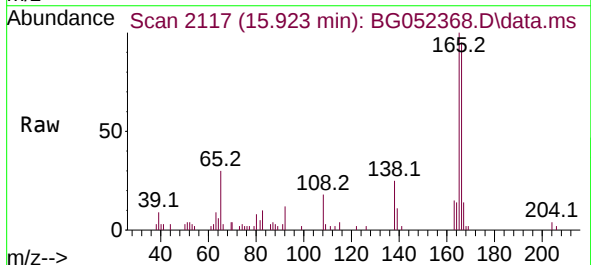
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

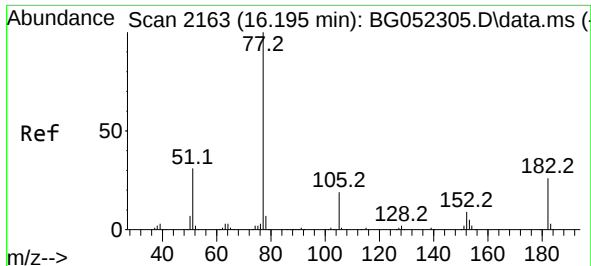
Tgt Ion:204 Resp: 10695
Ion Ratio Lower Upper
204 100
206 34.4 28.4 42.6
141 49.3 41.8 62.6



#62
4-Nitroaniline
Concen: 3.992 ng
RT: 15.923 min Scan# 2117
Delta R.T. -0.007 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:138 Resp: 4621
Ion Ratio Lower Upper
138 100
92 49.8 35.5 75.5
108 72.9 96.4 136.4#

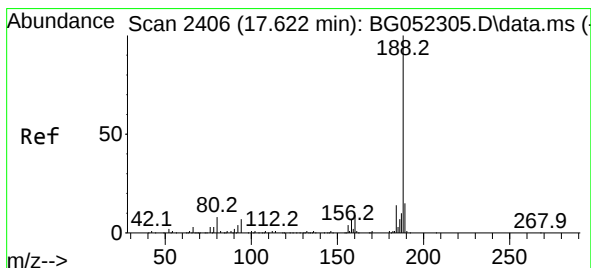
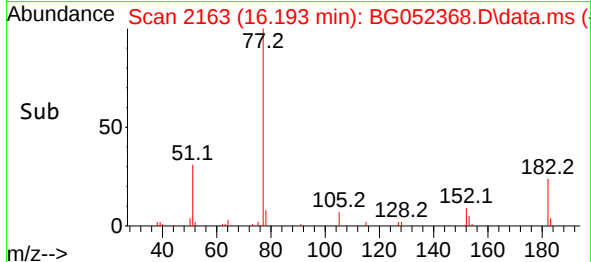
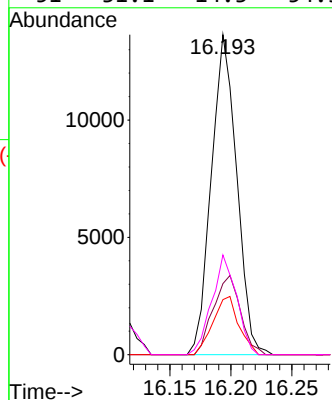
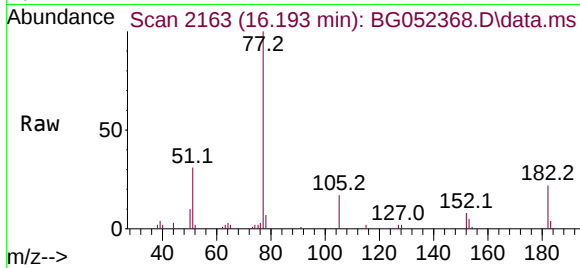




#63
Azobenzene
Concen: 3.898 ng
RT: 16.193 min Scan# 2163
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

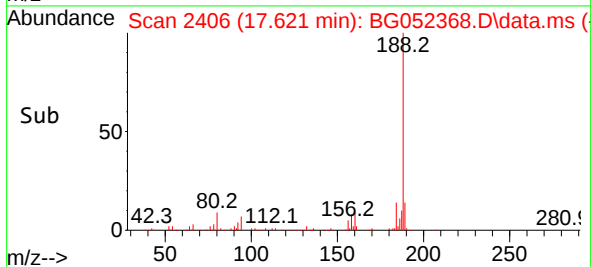
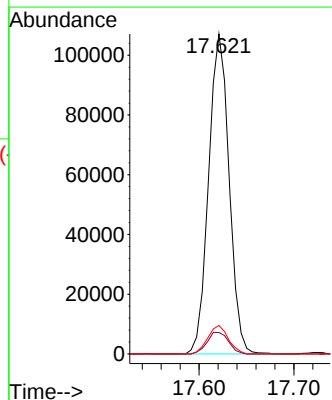
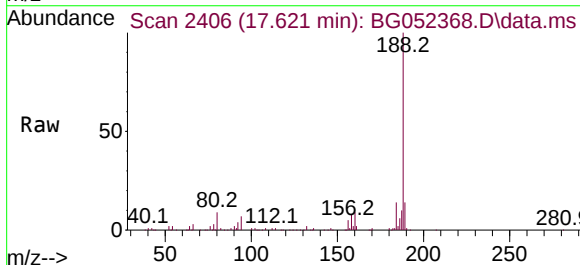
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:	77	Resp:	19763
Ion	Ratio	Lower	Upper
77	100		
182	22.2	4.1	44.1
105	17.2	0.0	37.5
51	31.1	14.3	54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.621 min Scan# 2406
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:	188	Resp:	160687
Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.9	8.9
80	8.9	6.6	10.0

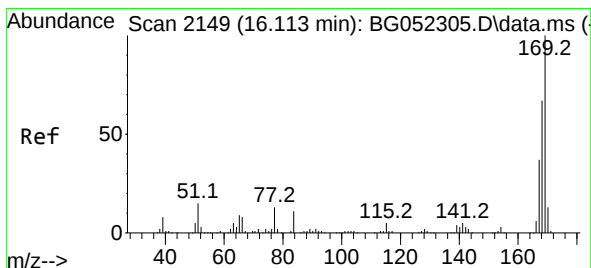
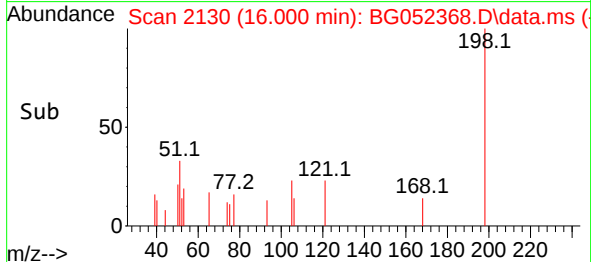
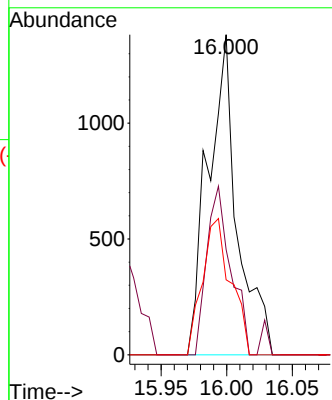
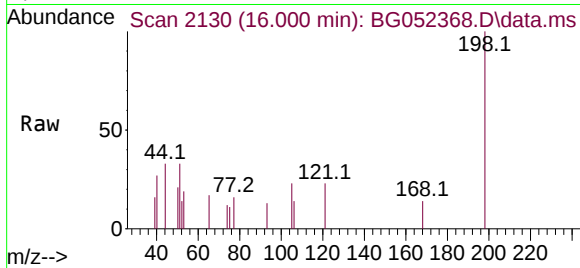




#65
4,6-Dinitro-2-methylphenol
Concen: 2.209 ng
RT: 16.000 min Scan# 21
Delta R.T. 0.010 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

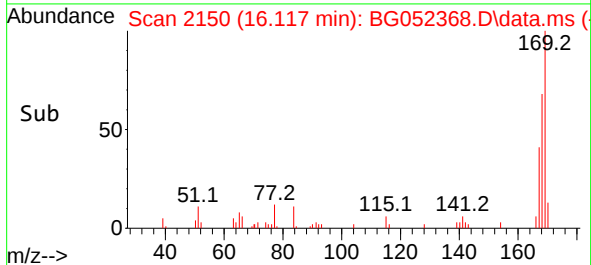
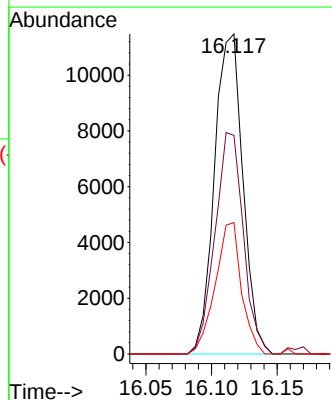
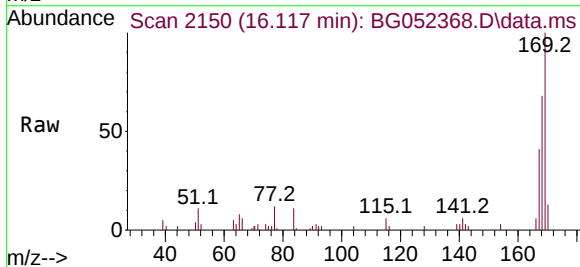
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:198 Resp: 2135
Ion Ratio Lower Upper
198 100
51 32.9 31.6 71.6
105 23.4 22.3 62.3



#66
n-Nitrosodiphenylamine
Concen: 3.897 ng
RT: 16.117 min Scan# 2150
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:169 Resp: 17254
Ion Ratio Lower Upper
169 100
168 68.3 57.4 86.0
167 41.0 29.5 44.3

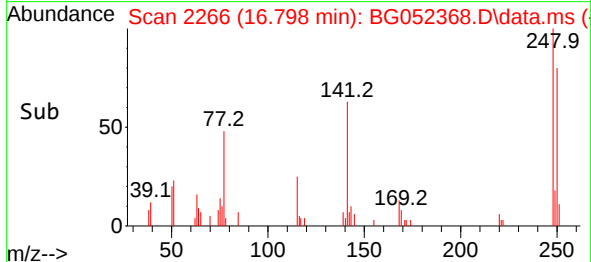
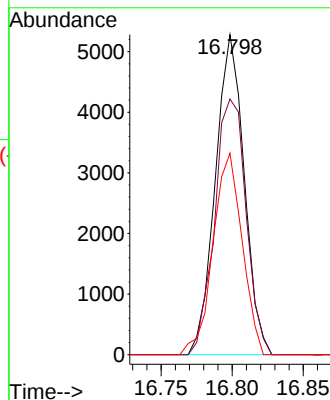
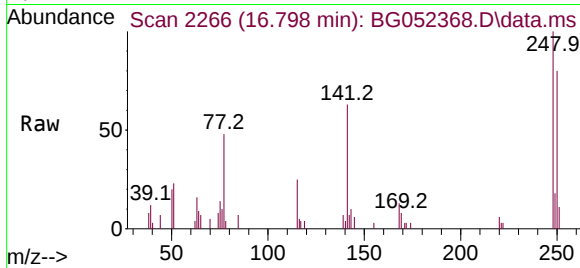




#67
4-Bromophenyl-phenylether
Concen: 3.805 ng
RT: 16.798 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

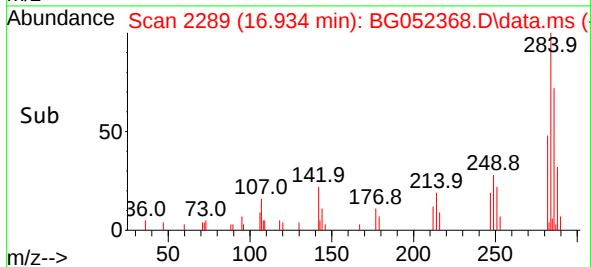
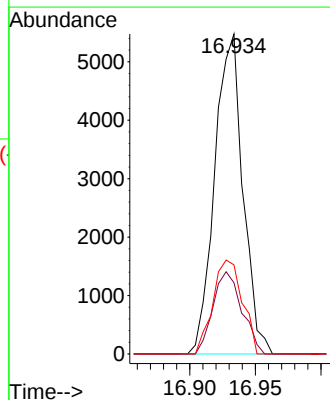
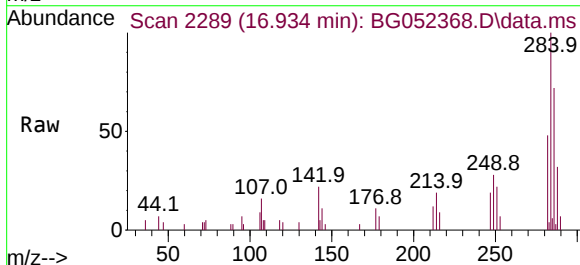
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

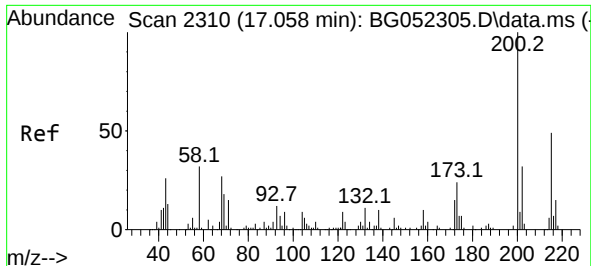
Tgt Ion:248 Resp: 7436
Ion Ratio Lower Upper
248 100
250 79.9 79.6 119.4
141 62.9 54.6 81.8



#68
Hexachlorobenzene
Concen: 3.855 ng
RT: 16.934 min Scan# 2289
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:284 Resp: 8170
Ion Ratio Lower Upper
284 100
142 22.2 26.2 39.2#
249 27.8 26.9 40.3

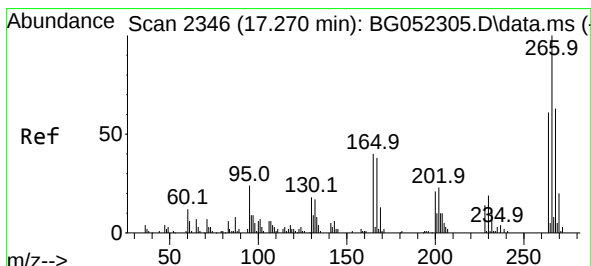
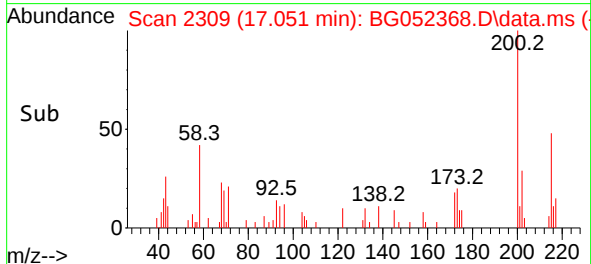
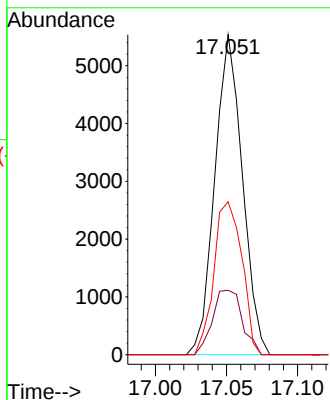
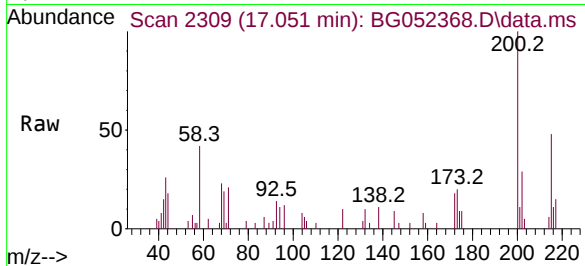




#69
 Atrazine
 Concen: 4.169 ng
 RT: 17.051 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG052368.D
 Acq: 11 Feb 2022 11:54

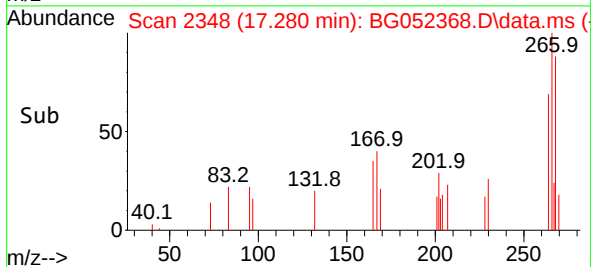
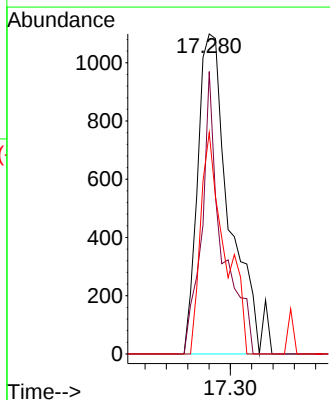
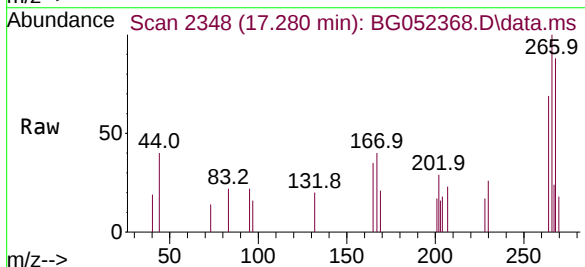
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

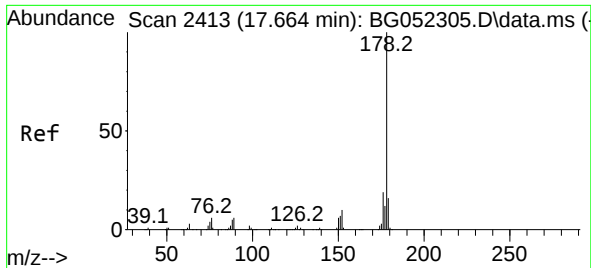
Tgt Ion:200 Resp: 7463
 Ion Ratio Lower Upper
 200 100
 173 20.2 3.3 43.3
 215 47.8 24.4 64.4



#70
 Pentachlorophenol
 Concen: 2.212 ng
 RT: 17.280 min Scan# 2348
 Delta R.T. 0.010 min
 Lab File: BG052368.D
 Acq: 11 Feb 2022 11:54

Tgt Ion:266 Resp: 2294
 Ion Ratio Lower Upper
 266 100
 268 88.3 50.6 75.8#
 264 69.2 52.2 78.2

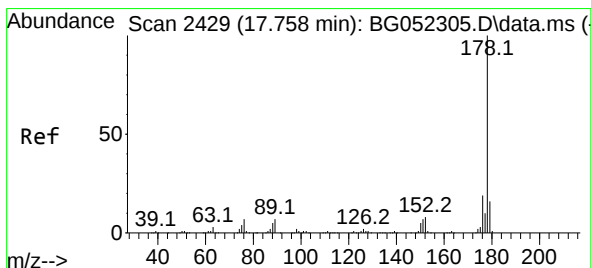
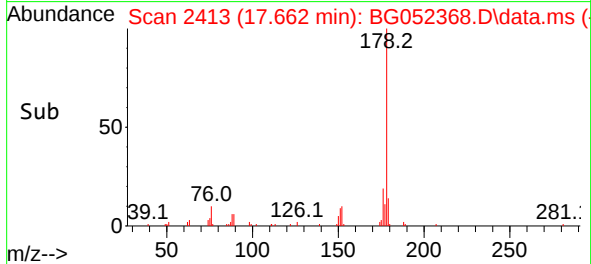
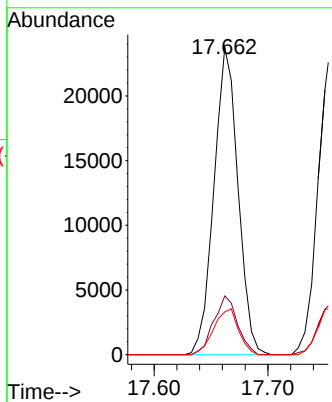
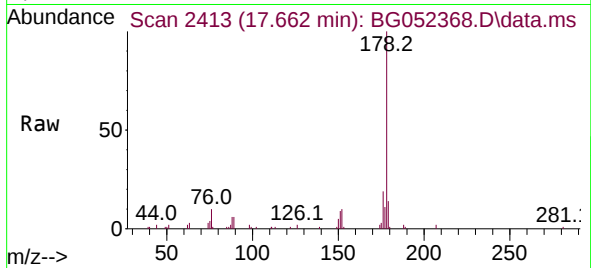




#71
Phenanthrene
Concen: 4.216 ng
RT: 17.662 min Scan# 2413
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

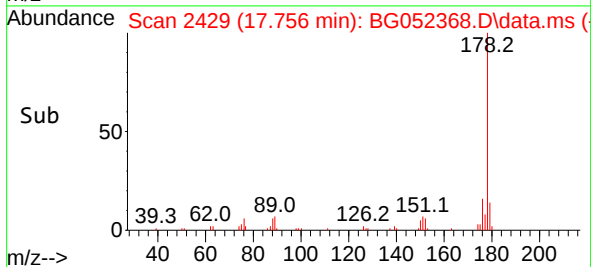
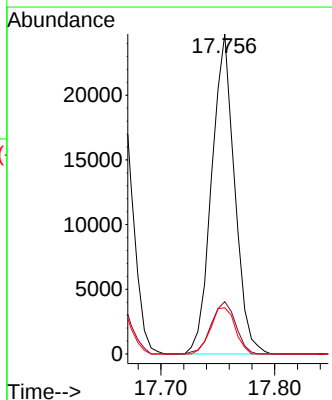
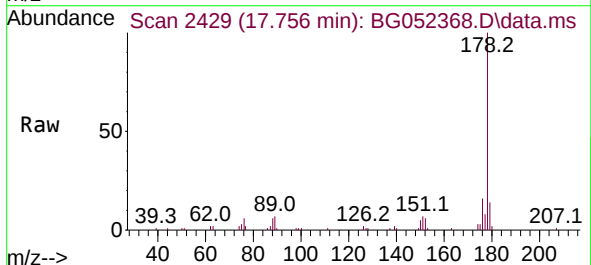
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

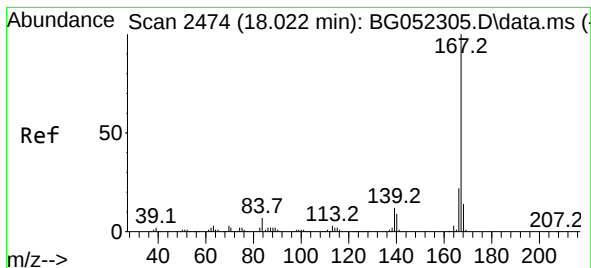
Tgt Ion:178 Resp: 34923
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 13.9 12.6 18.8



#72
Anthracene
Concen: 4.261 ng
RT: 17.756 min Scan# 2429
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:178 Resp: 34591
Ion Ratio Lower Upper
178 100
176 16.4 15.3 22.9
179 14.5 13.1 19.7





#73

Carbazole

Concen: 3.942 ng

RT: 18.020 min Scan# 2474

Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

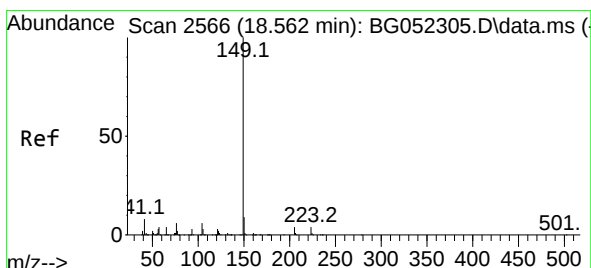
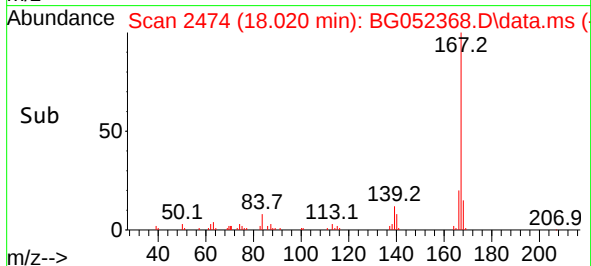
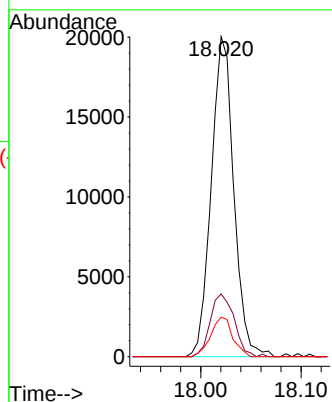
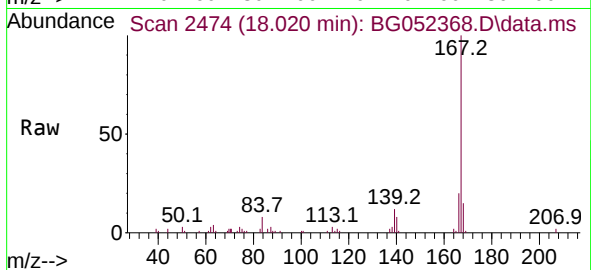
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:167	Resp:	31206
Ion Ratio	Lower	Upper
167	100	
166	19.6	17.8 26.6
139	12.3	10.6 16.0



#74

Di-n-butylphthalate

Concen: 4.059 ng

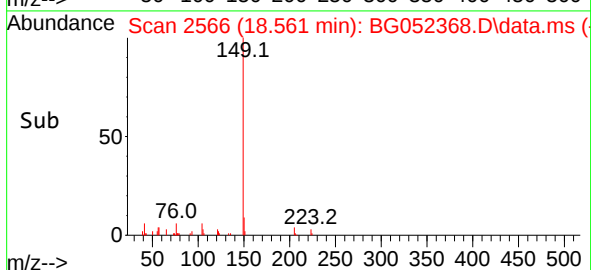
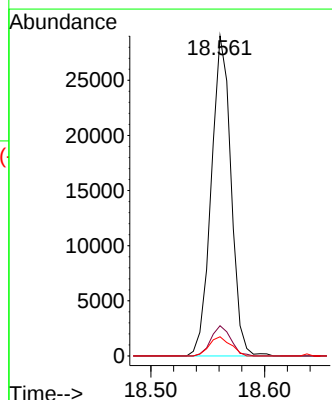
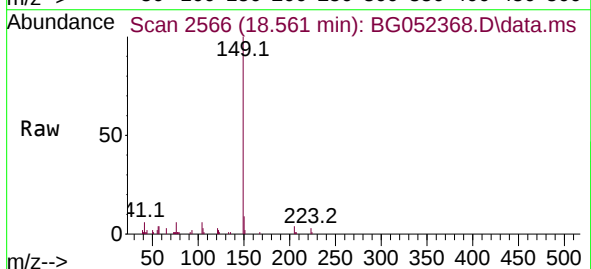
RT: 18.561 min Scan# 2566

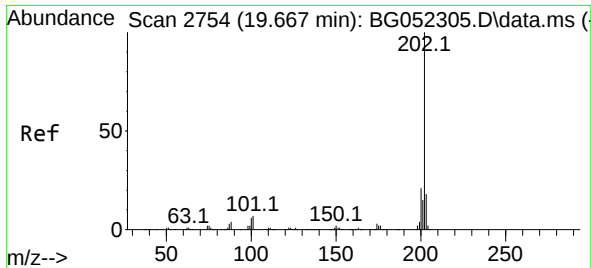
Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Tgt Ion:149	Resp:	35009
Ion Ratio	Lower	Upper
149	100	
150	9.4	7.4 11.0
104	6.0	5.4 8.2

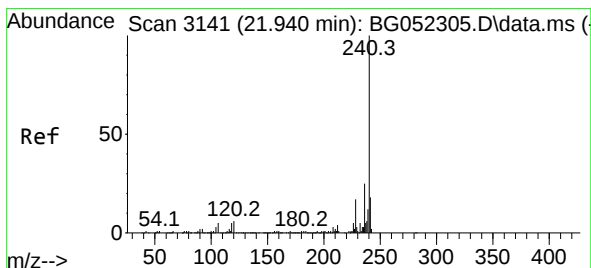
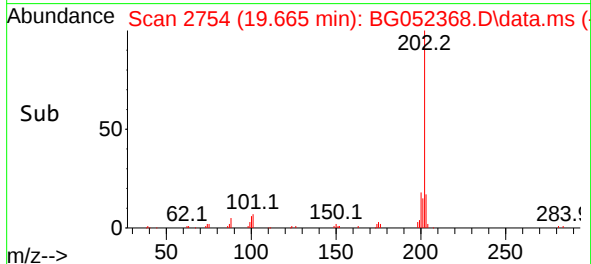
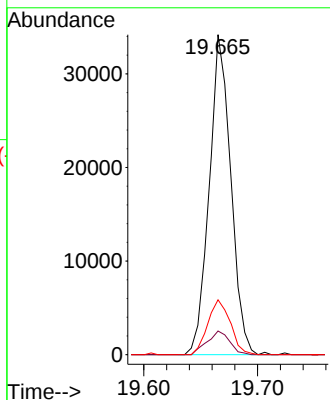
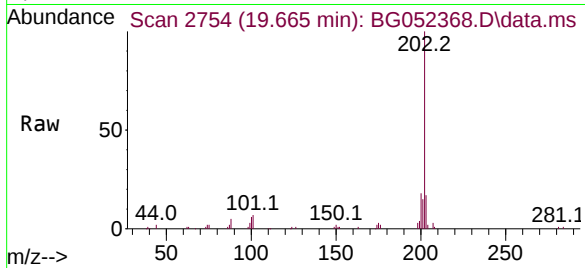




#75
Fluoranthene
Concen: 4.267 ng
RT: 19.665 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

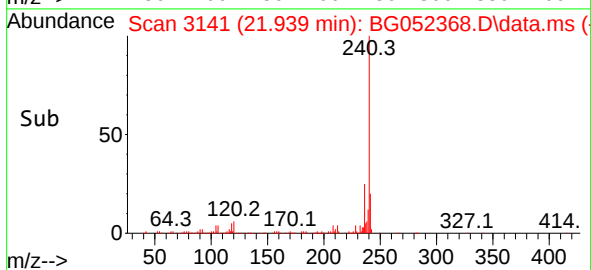
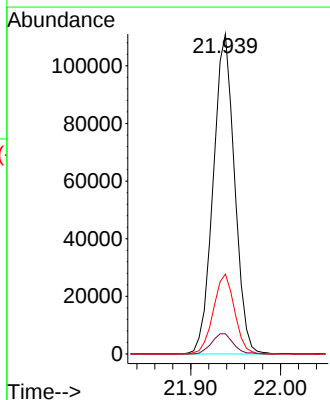
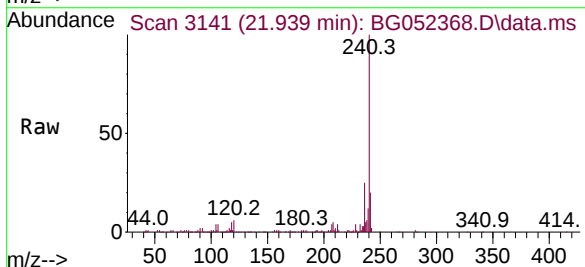
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:202 Resp: 45010
Ion Ratio Lower Upper
202 100
101 7.4 0.0 27.1
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.939 min Scan# 3141
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:240 Resp: 183271
Ion Ratio Lower Upper
240 100
120 6.3 4.4 6.6
236 24.9 20.8 31.2

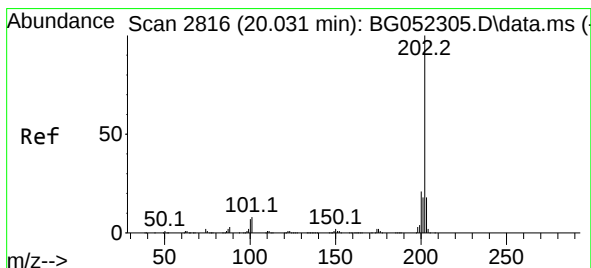
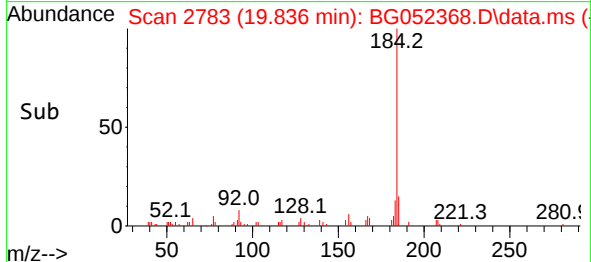
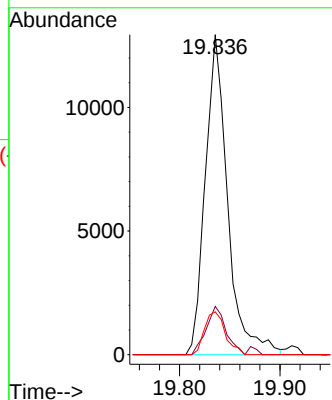
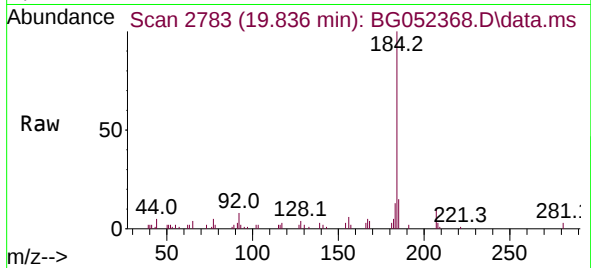




#77
Benzidine
Concen: 5.118 ng
RT: 19.836 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

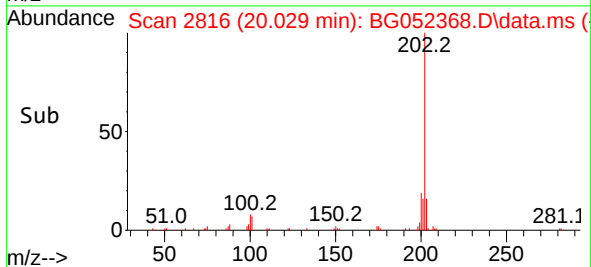
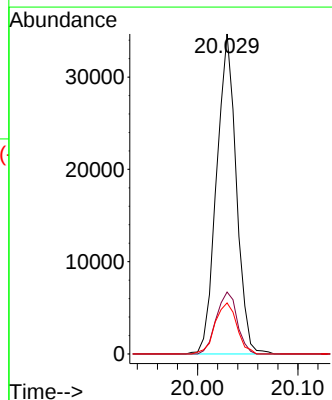
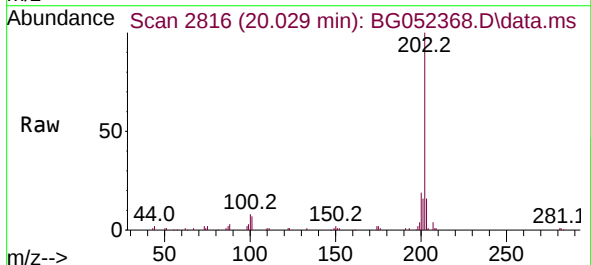
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

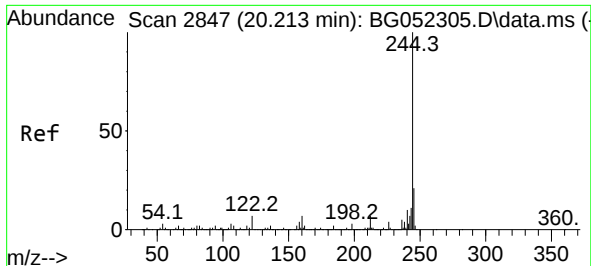
Tgt Ion:184 Resp: 20043
Ion Ratio Lower Upper
184 100
185 15.1 11.8 17.8
183 13.4 9.8 14.6



#78
Pyrene
Concen: 3.852 ng
RT: 20.029 min Scan# 2816
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:202 Resp: 47237
Ion Ratio Lower Upper
202 100
200 19.4 17.4 26.2
203 15.9 14.5 21.7

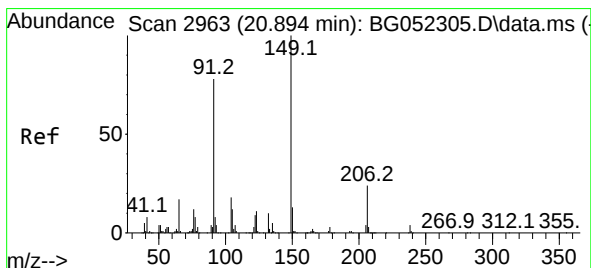
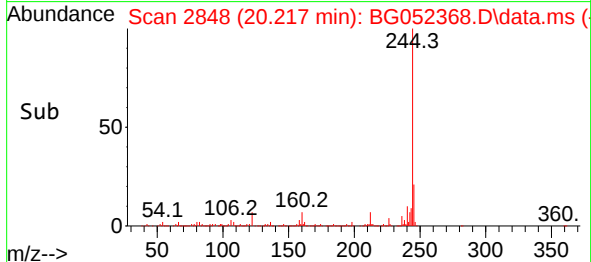
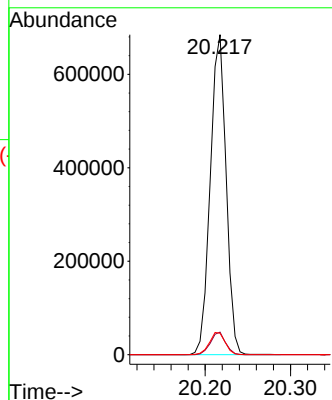
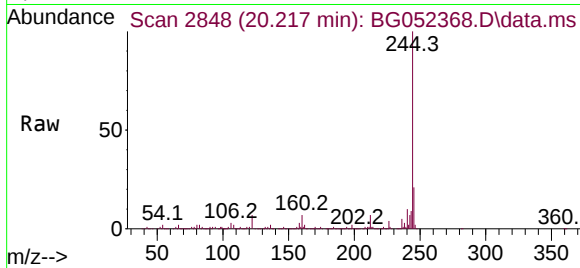




#79
 Terphenyl-d14
 Concen: 85.171 ng
 RT: 20.217 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG052368.D
 Acq: 11 Feb 2022 11:54

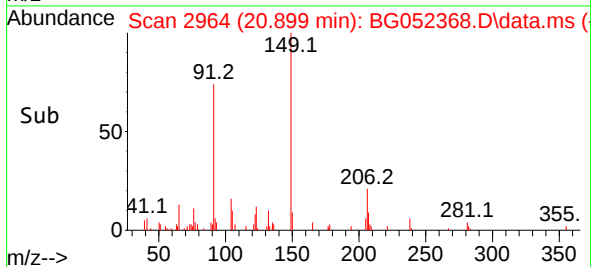
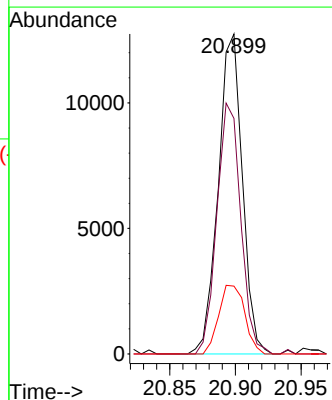
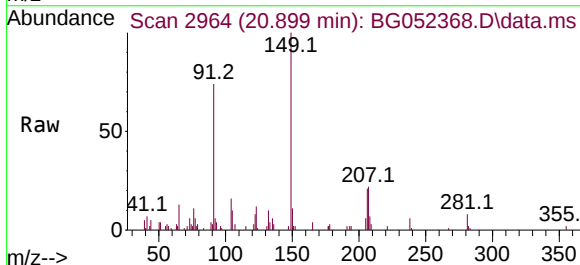
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

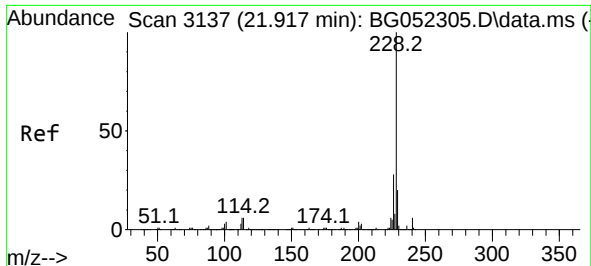
Tgt Ion:244 Resp: 883951
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 6.7 6.2 9.4



#80
 Butylbenzylphthalate
 Concen: 3.810 ng
 RT: 20.899 min Scan# 2964
 Delta R.T. 0.004 min
 Lab File: BG052368.D
 Acq: 11 Feb 2022 11:54

Tgt Ion:149 Resp: 16228
 Ion Ratio Lower Upper
 149 100
 91 73.6 64.0 96.0
 206 21.2 19.3 28.9

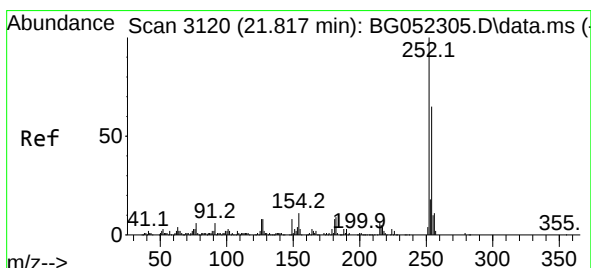
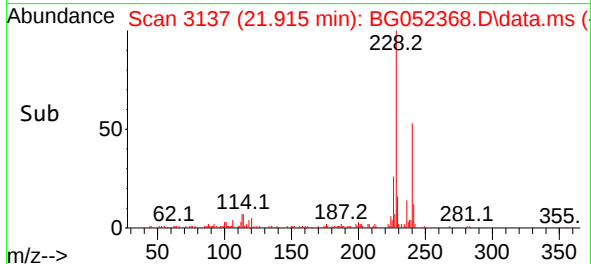
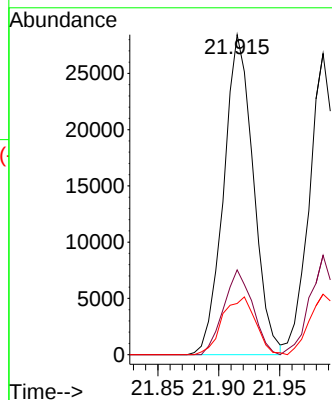
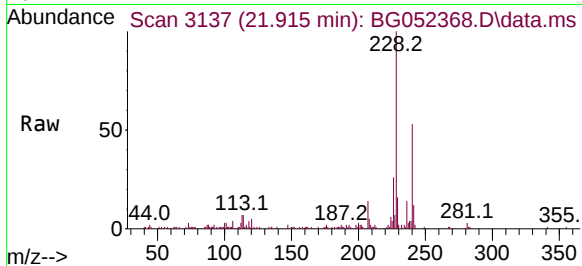




#81
Benzo(a)anthracene
Concen: 3.962 ng
RT: 21.915 min Scan# 3137
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

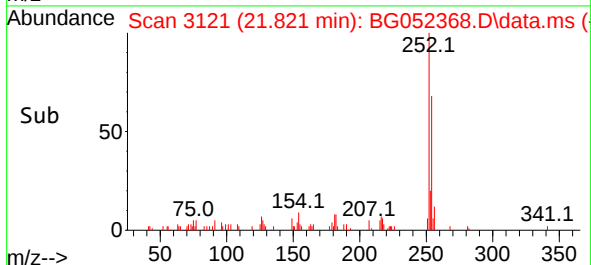
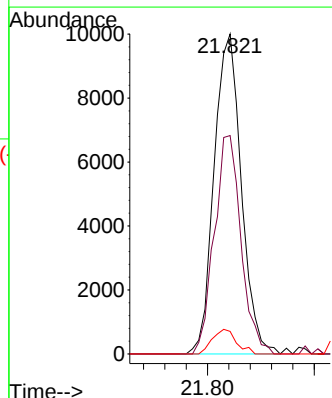
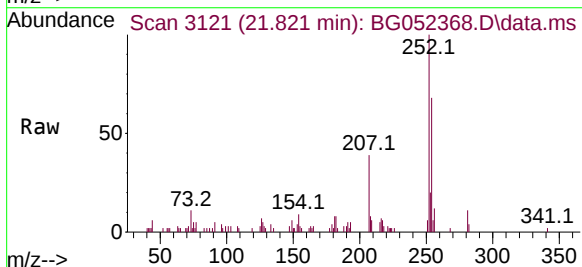
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

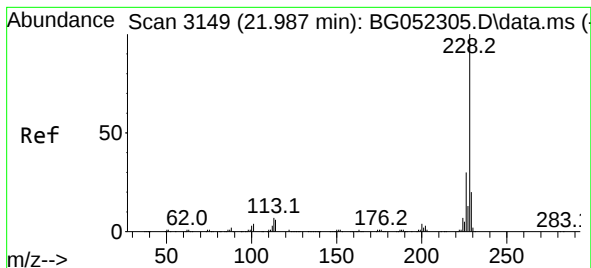
Tgt Ion:228 Resp: 48055
Ion Ratio Lower Upper
228 100
226 26.5 21.6 32.4
229 16.0 16.0 24.0#



#82
3,3'-Dichlorobenzidine
Concen: 4.175 ng
RT: 21.821 min Scan# 3121
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:252 Resp: 17678
Ion Ratio Lower Upper
252 100
254 68.2 52.6 79.0
126 7.1 6.4 9.6





#83

Chrysene

Concen: 3.834 ng

RT: 21.986 min Scan# 3149

Delta R.T. -0.002 min

Lab File: BG052368.D

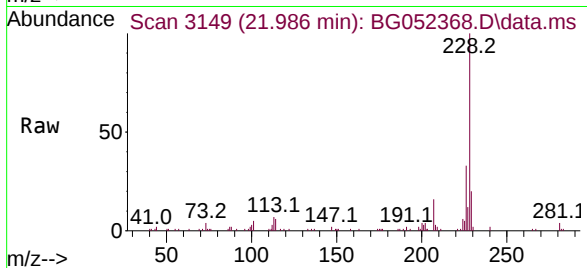
Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



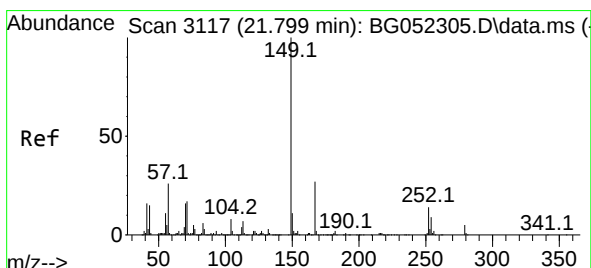
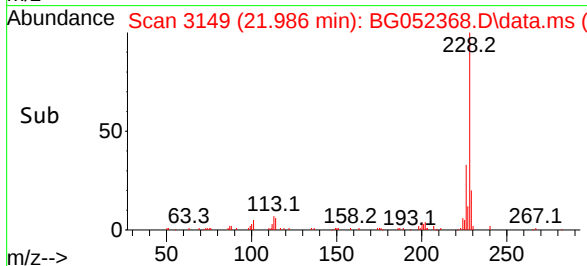
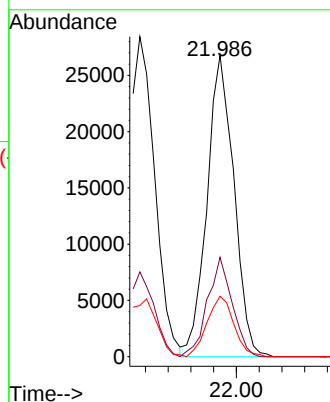
Tgt Ion:228 Resp: 44057

Ion Ratio Lower Upper

228 100

226 33.0 24.1 36.1

229 20.1 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.987 ng

RT: 21.798 min Scan# 3117

Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

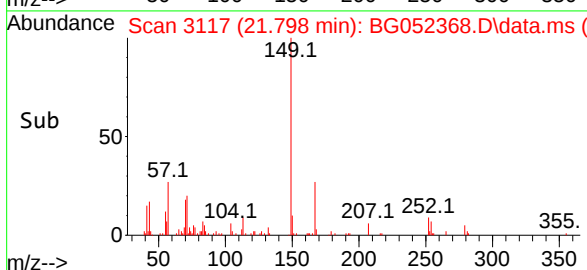
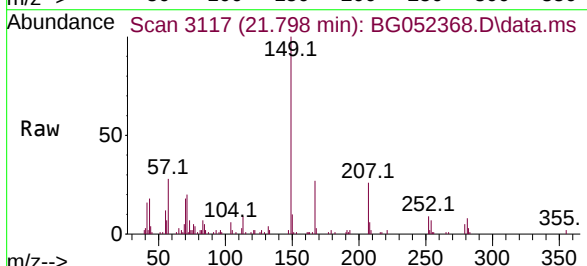
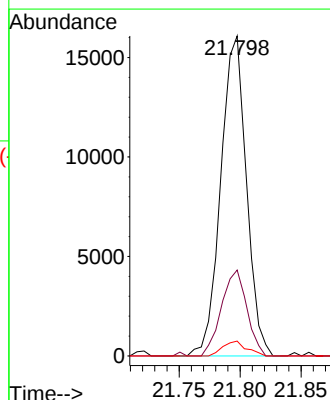
Tgt Ion:149 Resp: 23551

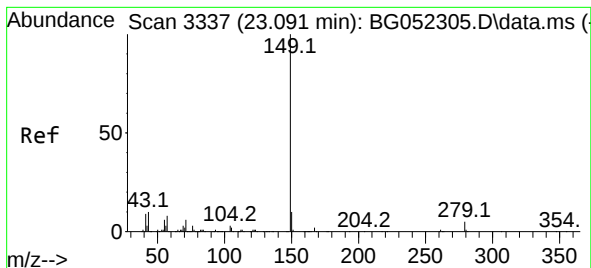
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 4.6 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 3.845 ng

RT: 23.090 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

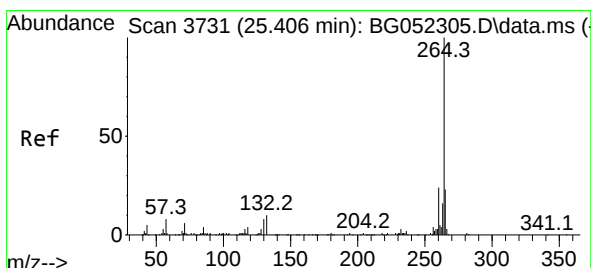
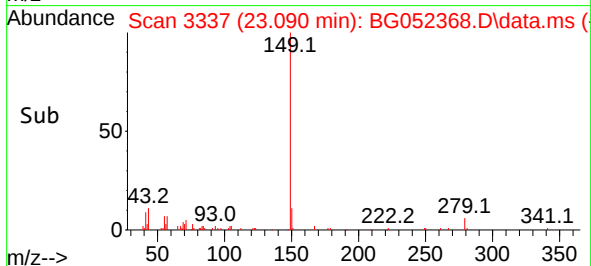
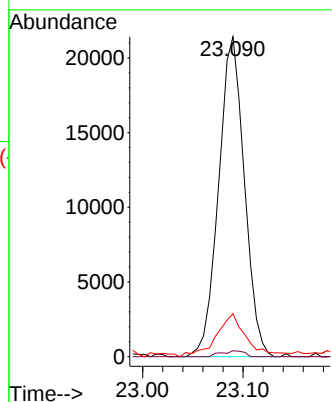
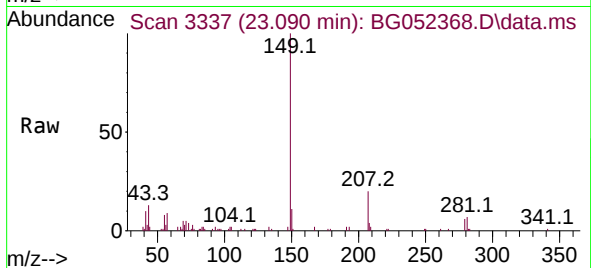
Tgt Ion:149 Resp: 38081

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 15.9 10.0 15.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.410 min Scan# 3732

Delta R.T. 0.004 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

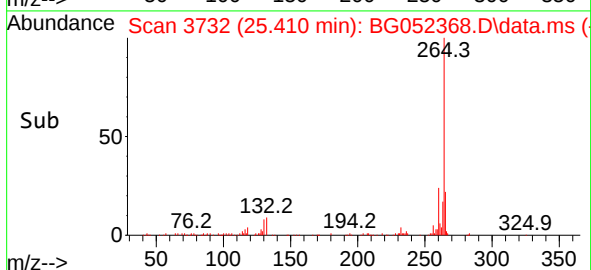
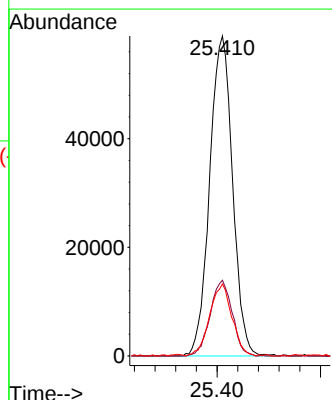
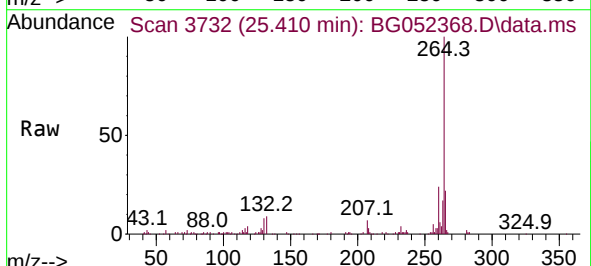
Tgt Ion:264 Resp: 180964

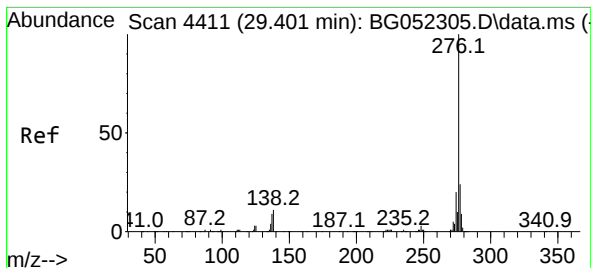
Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 22.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.643 ng

RT: 29.405 min Scan# 4411

Delta R.T. 0.004 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

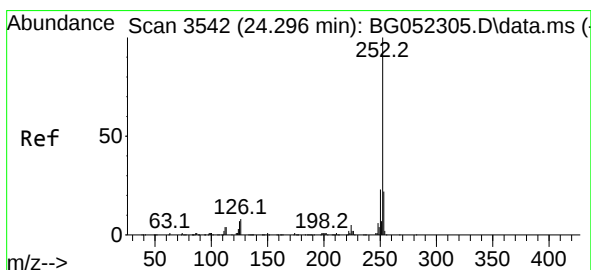
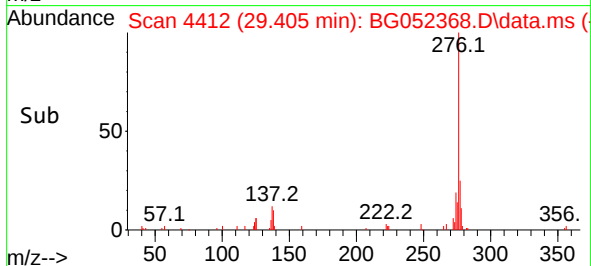
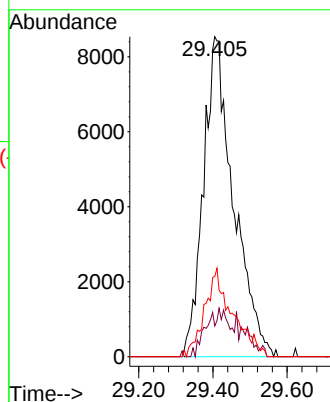
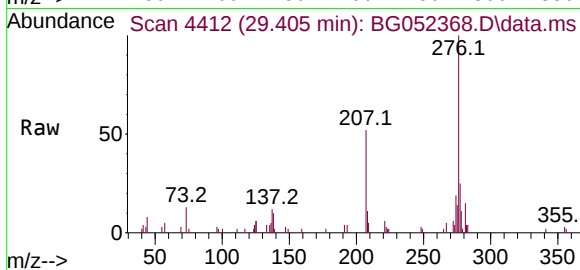
Tgt Ion:276 Resp: 48240

Ion Ratio Lower Upper

276 100

138 5.1 6.1 9.1#

277 24.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 3.951 ng

RT: 24.294 min Scan# 3542

Delta R.T. -0.002 min

Lab File: BG052368.D

Acq: 11 Feb 2022 11:54

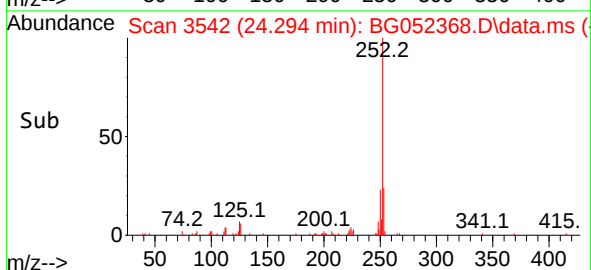
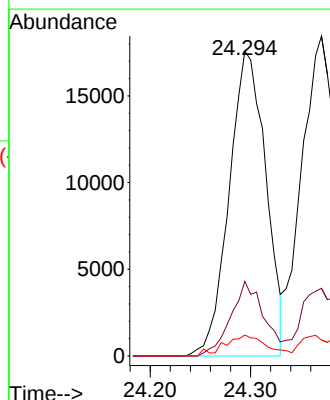
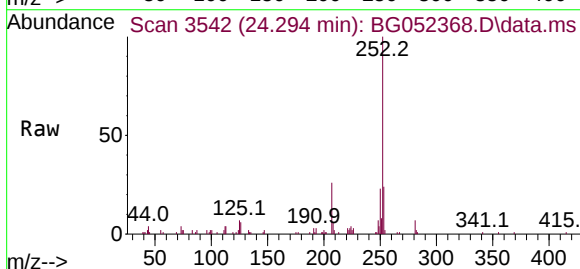
Tgt Ion:252 Resp: 44558

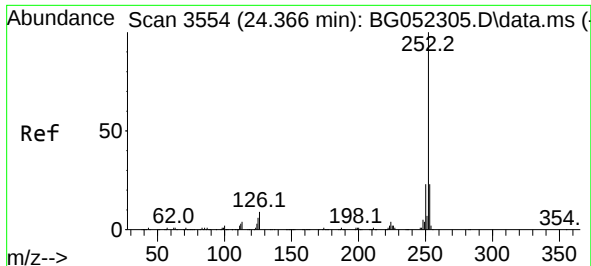
Ion Ratio Lower Upper

252 100

253 24.4 18.3 27.5

125 6.9 5.4 8.2

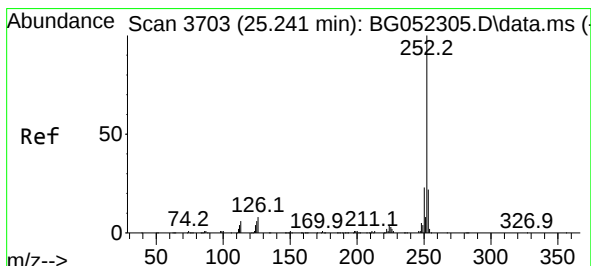
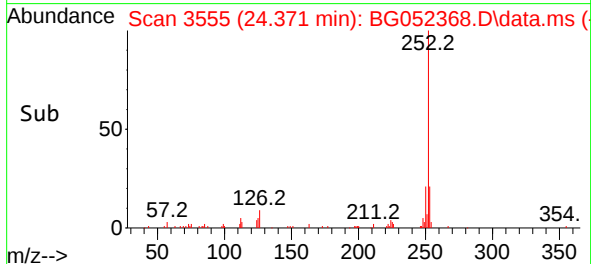
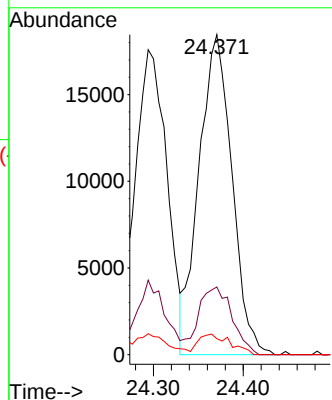
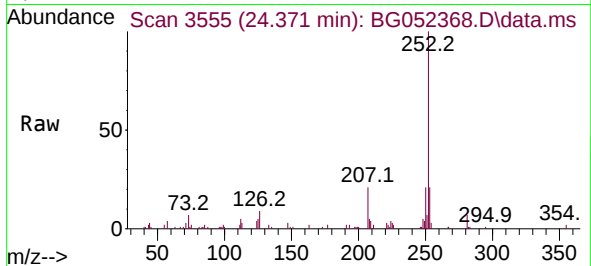




#89
Benzo(k)fluoranthene
Concen: 4.222 ng
RT: 24.371 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

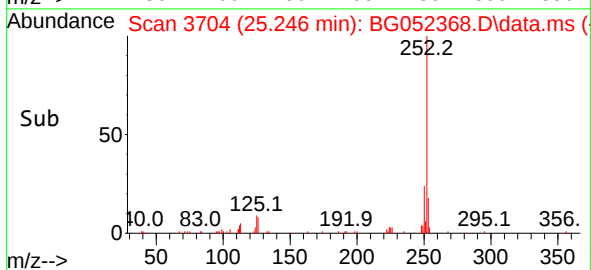
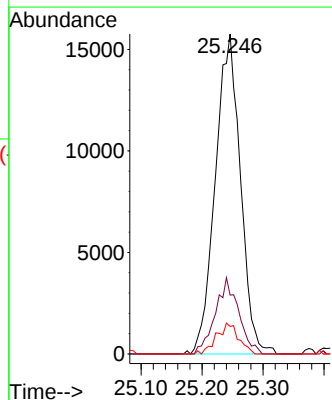
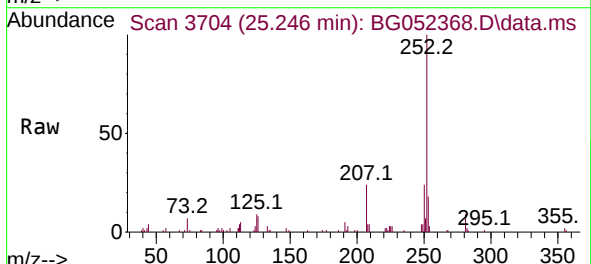
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

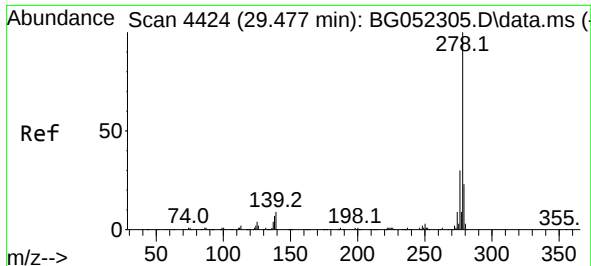
Tgt Ion:252 Resp: 47031
Ion Ratio Lower Upper
252 100
253 21.1 17.3 25.9
125 5.0 4.6 7.0



#90
Benzo(a)pyrene
Concen: 4.726 ng
RT: 25.246 min Scan# 3704
Delta R.T. 0.004 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:252 Resp: 45020
Ion Ratio Lower Upper
252 100
253 18.4 17.5 26.3
125 8.6 5.0 7.6#

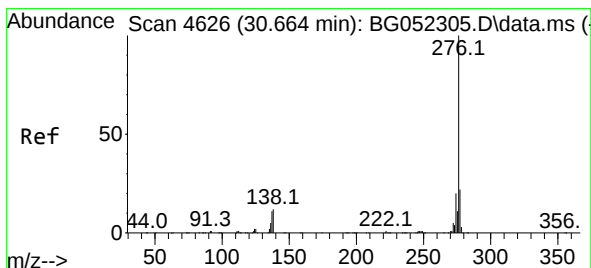
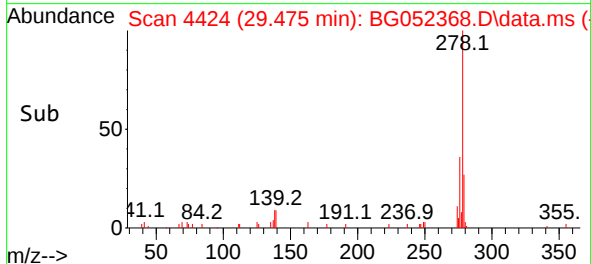
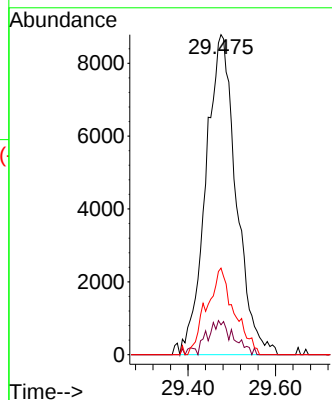
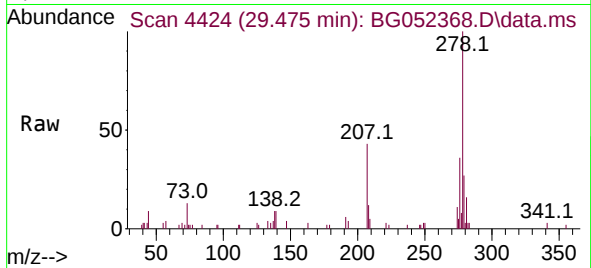




#91
Dibenzo(a,h)anthracene
Concen: 3.873 ng
RT: 29.475 min Scan# 4424
Delta R.T. -0.002 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:278 Resp: 42368
Ion Ratio Lower Upper
278 100
139 9.3 6.4 9.6
279 27.1 20.1 30.1



#92
Benzo(g,h,i)perylene
Concen: 3.943 ng
RT: 30.650 min Scan# 4624
Delta R.T. -0.013 min
Lab File: BG052368.D
Acq: 11 Feb 2022 11:54

Tgt Ion:276 Resp: 42335
Ion Ratio Lower Upper
276 100
277 24.7 18.2 27.2
138 12.6 9.1 13.7

