

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021122\
 Data File : BG052369.D
 Acq On : 11 Feb 2022 12:34
 Operator : CG/JU
 Sample : M4068-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 11 14:00:57 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	8.232	152	21705	20.000	ng	0.00
21) Naphthalene-d8	11.069	136	92318	20.000	ng	0.00
39) Acenaphthene-d10	14.876	164	68774	20.000	ng	0.00
64) Phenanthrene-d10	17.625	188	170121	20.000	ng	0.00
76) Chrysene-d12	21.943	240	188051	20.000	ng	0.00
86) Perylene-d12	25.415	264	188957	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.759	112	198781	159.617	ng	0.00
7) Phenol-d6	7.380	99	288376	150.076	ng	0.00
23) Nitrobenzene-d5	9.401	82	171963	80.956	ng	0.00
42) 2,4,6-Tribromophenol	16.362	330	157516	159.421	ng	0.00
45) 2-Fluorobiphenyl	13.495	172	415779	84.005	ng	0.00
79) Terphenyl-d14	20.216	244	881734	82.798	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.585	88	4138	7.216	ng	94
3) Pyridine	4.002	79	11584	6.965	ng	88
4) n-Nitrosodimethylamine	3.908	42	6820	7.942	ng	# 89
6) Aniline	7.545	93	18337	8.214	ng	96
8) 2-Chlorophenol	7.791	128	10419	7.605	ng	95
9) Benzaldehyde	7.345	77	12201	10.344	ng	98
10) Phenol	7.404	94	15253	7.989	ng	97
11) bis(2-Chloroethyl)ether	7.633	93	11037	7.563	ng	94
12) 1,3-Dichlorobenzene	8.120	146	12101	7.752	ng	96
13) 1,4-Dichlorobenzene	8.120	146	12101	7.605	ng	96
14) 1,2-Dichlorobenzene	8.590	146	12205	7.777	ng	93
15) Benzyl Alcohol	8.467	79	10973	6.881	ng	# 89
16) 2,2'-oxybis(1-Chloropr...	8.761	45	15855	7.524	ng	95
17) 2-Methylphenol	8.672	107	9095	7.219	ng	94
18) Hexachloroethane	9.336	117	4572	8.263	ng	98
19) n-Nitroso-di-n-propyla...	9.031	70	11214	7.741	ng	94
20) 3+4-Methylphenols	8.996	107	13097	7.266	ng	81
22) Acetophenone	9.060	105	18579	7.615	ng	# 90
24) Nitrobenzene	9.448	77	15590	7.737	ng	# 96
25) Isophorone	9.971	82	29510	8.165	ng	98
26) 2-Nitrophenol	10.170	139	5950	6.967	ng	# 84
27) 2,4-Dimethylphenol	10.223	122	10964	8.671	ng	97
28) bis(2-Chloroethoxy)met...	10.452	93	15388	7.502	ng	98
29) 2,4-Dichlorophenol	10.717	162	11012	7.266	ng	94
30) 1,2,4-Trichlorobenzene	10.928	180	13612	7.691	ng	97
31) Naphthalene	11.122	128	36953	7.635	ng	96
32) Benzoic acid	10.311	122	3913	5.269	ng	94
33) 4-Chloroaniline	11.222	127	15824	7.831	ng	94
34) Hexachlorobutadiene	11.404	225	8985	7.517	ng	90
35) Caprolactam	11.962	113	4094	7.412	ng	# 78
36) 4-Chloro-3-methylphenol	12.332	107	12773	7.408	ng	92
37) 2-Methylnaphthalene	12.714	142	28619	7.961	ng	99
38) 1-Methylnaphthalene	12.931	142	27338	7.848	ng	100
40) 1,2,4,5-Tetrachloroben...	13.078	216	17539	7.753	ng	98
41) Hexachlorocyclopentadiene	13.061	237	4434	4.643	ng	91
43) 2,4,6-Trichlorophenol	13.390	196	11268	7.616	ng	93

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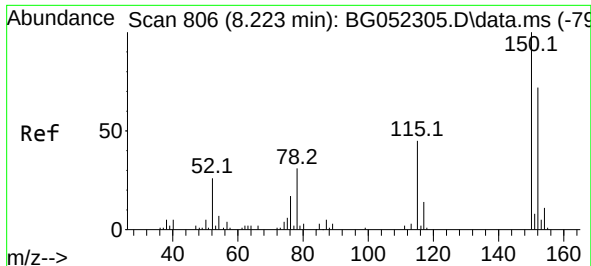
Quant Time: Feb 11 14:00:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 11 13:59:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.390	196	11268	7.028	ng	92
46) 1,1'-Biphenyl	13.707	154	39500	7.833	ng	99
47) 2-Chloronaphthalene	13.754	162	30338	7.808	ng	97
48) 2-Nitroaniline	13.948	65	9896	7.154	ng	89
49) Acenaphthylene	14.600	152	50924	8.052	ng	98
50) Dimethylphthalate	14.312	163	40170	7.625	ng	# 98
51) 2,6-Dinitrotoluene	14.435	165	9208	8.099	ng	# 77
52) Acenaphthene	14.940	154	28843	6.963	ng	91
53) 3-Nitroaniline	14.770	138	9185	7.773	ng	91
54) 2,4-Dinitrophenol	14.982	184	2159	3.502	ng	# 70
55) Dibenzofuran	15.269	168	49611	7.616	ng	97
56) 4-Nitrophenol	15.087	139	6456	7.275	ng	# 76
57) 2,4-Dinitrotoluene	15.222	165	12896	7.970	ng	# 74
58) Fluorene	15.921	166	42184	8.112	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.499	232	10659	6.959	ng	# 96
60) Diethylphthalate	15.669	149	42436	7.974	ng	99
61) 4-Chlorophenyl-phenyle...	15.904	204	22064	7.448	ng	96
62) 4-Nitroaniline	15.927	138	9288	7.466	ng	88
63) Azobenzene	16.198	77	40324	7.401	ng	94
65) 4,6-Dinitro-2-methylph...	15.992	198	5251	5.131	ng	94
66) n-Nitrosodiphenylamine	16.115	169	36192	7.721	ng	98
67) 4-Bromophenyl-phenylether	16.797	248	14565	7.040	ng	96
68) Hexachlorobenzene	16.932	284	16844	7.507	ng	92
69) Atrazine	17.055	200	15273	8.060	ng	98
70) Pentachlorophenol	17.278	266	4778	4.352	ng	96
71) Phenanthrene	17.666	178	69346	7.907	ng	95
72) Anthracene	17.754	178	69421	8.078	ng	99
73) Carbazole	18.025	167	65899	7.862	ng	98
74) Di-n-butylphthalate	18.565	149	73963	8.099	ng	98
75) Fluoranthene	19.669	202	91729	8.214	ng	99
77) Benzidine	19.834	184	43703	10.876	ng	99
78) Pyrene	20.028	202	94730	7.528	ng	96
80) Butylbenzylphthalate	20.897	149	32960	7.541	ng	95
81) Benzo(a)anthracene	21.919	228	96148	7.726	ng	99
82) 3,3'-Dichlorobenzidine	21.819	252	37350	8.598	ng	99
83) Chrysene	21.990	228	89287	7.572	ng	94
84) Bis(2-ethylhexyl)phtha...	21.796	149	46549	7.680	ng	97
85) Di-n-octyl phthalate	23.094	149	79215	7.796	ng	97
87) Indeno(1,2,3-cd)pyrene	29.409	276	99209	7.175	ng	# 84
88) Benzo(b)fluoranthene	24.298	252	93331	7.926	ng	93
89) Benzo(k)fluoranthene	24.369	252	93221	8.014	ng	98
90) Benzo(a)pyrene	25.244	252	90152	9.064	ng	97
91) Dibenzo(a,h)anthracene	29.485	278	87279	7.641	ng	98
92) Benzo(g,h,i)perylene	30.654	276	84659	7.552	ng	98

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

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LOD-MDL-SOIL-01-QT4-2021

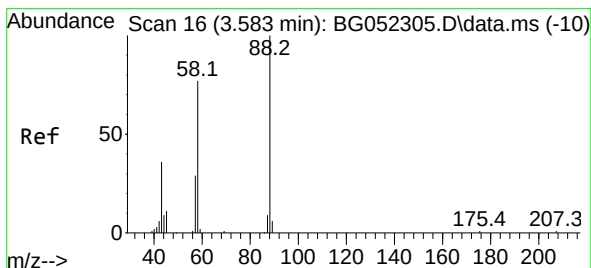
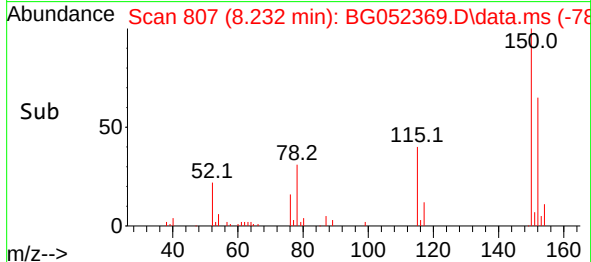
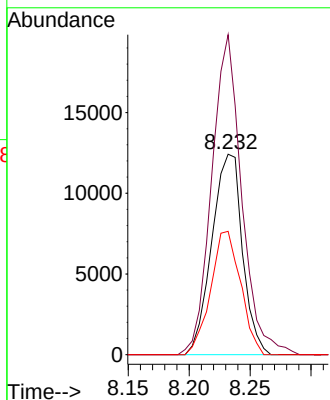
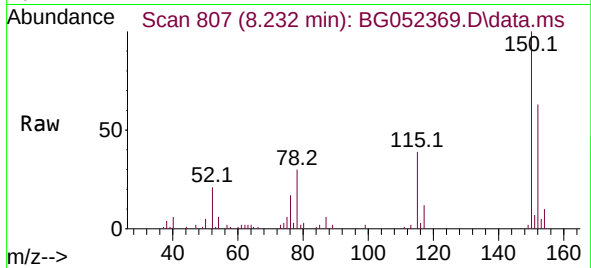
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.232 min Scan# 806
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

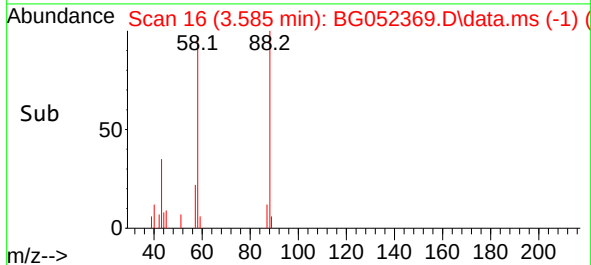
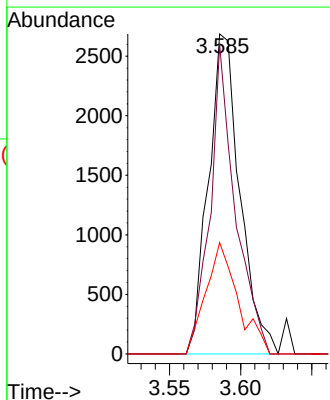
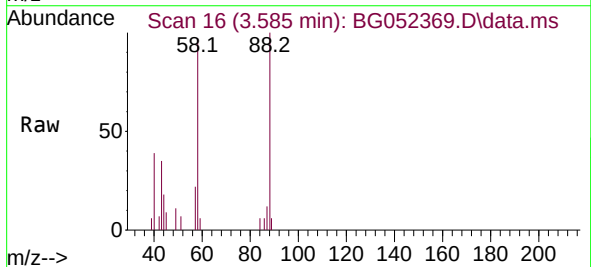
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

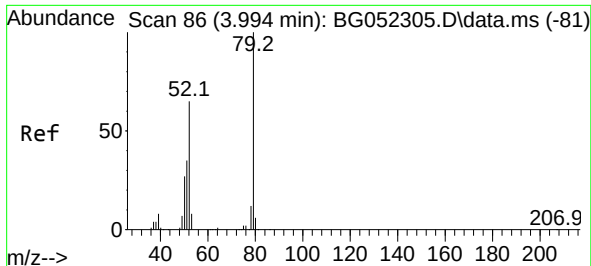
Tgt Ion:152 Resp: 21705
Ion Ratio Lower Upper
152 100
150 159.7 117.8 176.8
115 61.6 50.2 75.2



#2
1,4-Dioxane
Concen: 7.216 ng
RT: 3.585 min Scan# 16
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 88 Resp: 4138
Ion Ratio Lower Upper
88 100
58 77.5 65.8 98.8
43 35.4 31.6 47.4





#3

Pyridine

Concen: 6.965 ng

RT: 4.002 min Scan# 81

Delta R.T. 0.009 min

Lab File: BG052369.D

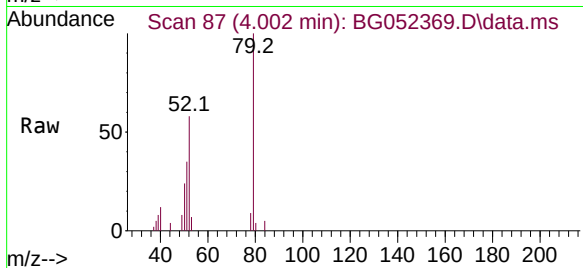
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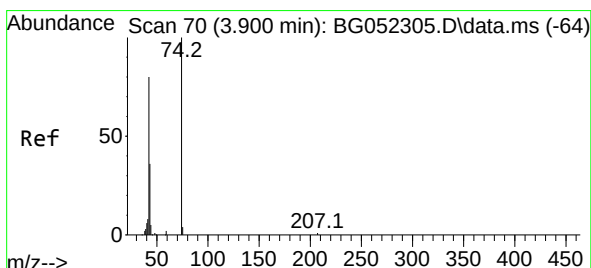
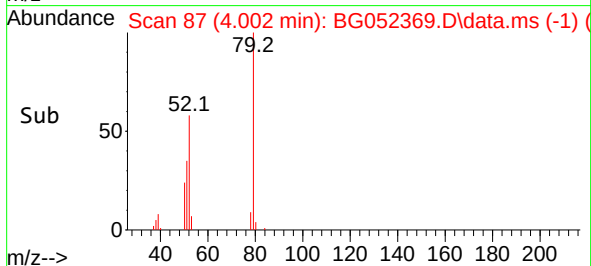
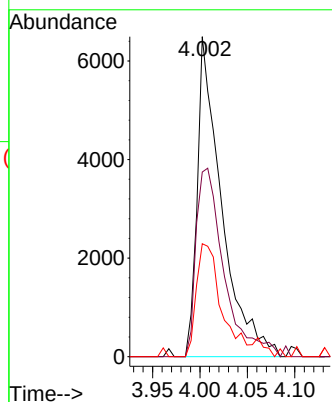
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 79	Resp: 11584
Ion Ratio	Lower Upper
79	100
52	57.7 55.0 82.6
51	35.3 32.5 48.7



#4

n-Nitrosodimethylamine

Concen: 7.942 ng

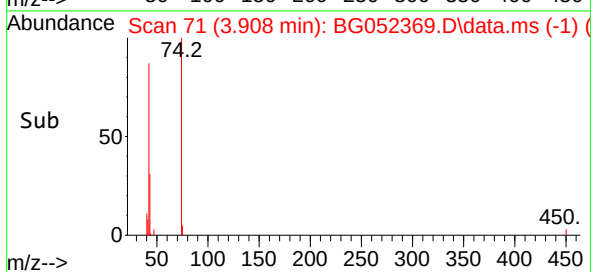
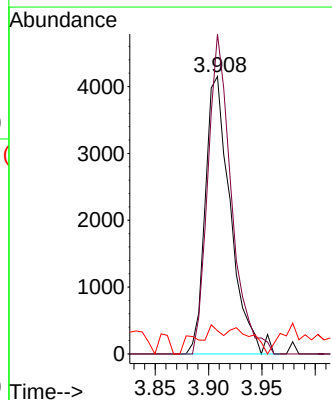
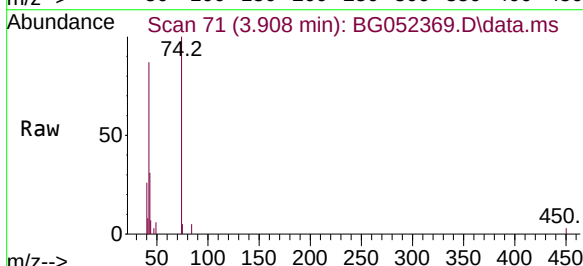
RT: 3.908 min Scan# 71

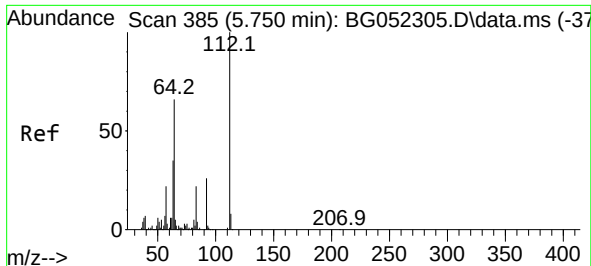
Delta R.T. 0.009 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Tgt Ion: 42	Resp: 6820
Ion Ratio	Lower Upper
42	100
74	115.3 83.0 124.4
44	8.3 5.0 7.6

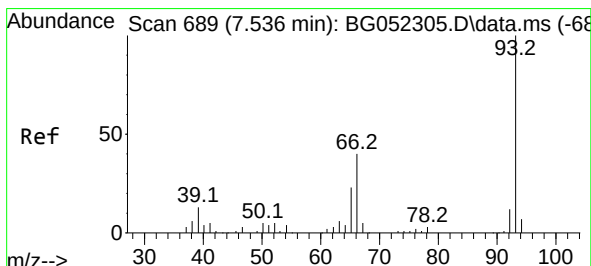
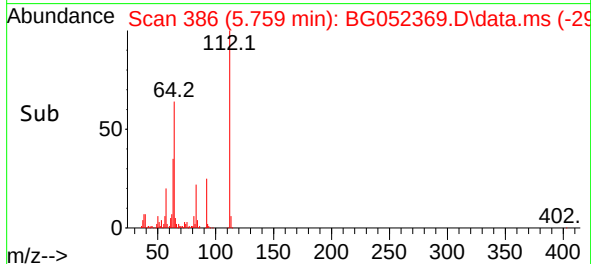
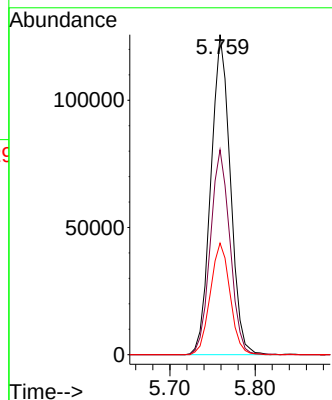
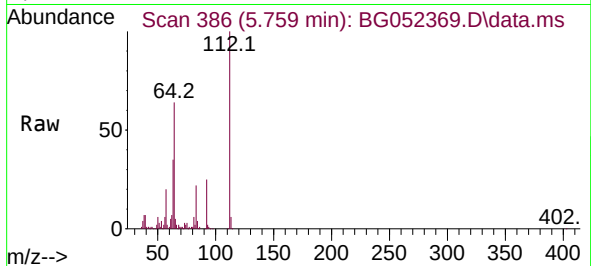




#5
2-Fluorophenol
Concen: 159.617 ng
RT: 5.759 min Scan# 385
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

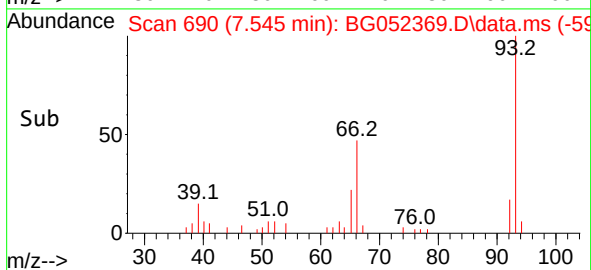
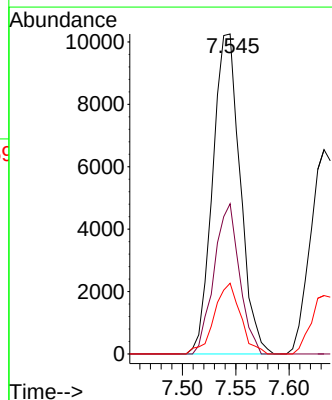
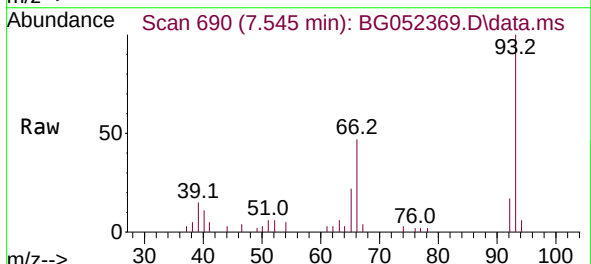
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ClientSampleId :
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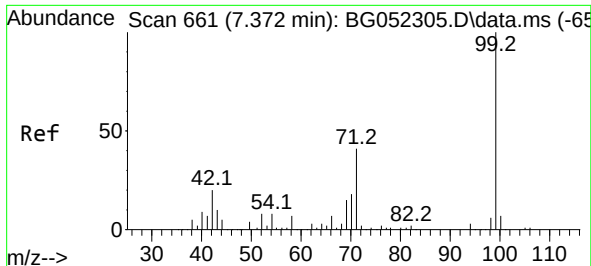
Tgt Ion:112 Resp: 198781
Ion Ratio Lower Upper
112 100
64 64.0 60.4 90.6
63 34.8 33.3 49.9



#6
Aniline
Concen: 8.214 ng
RT: 7.545 min Scan# 690
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 93 Resp: 18337
Ion Ratio Lower Upper
93 100
66 47.0 34.3 51.5
65 22.1 17.6 26.4





#7

Phenol-d6

Concen: 150.076 ng

RT: 7.380 min Scan# 661

Delta R.T. 0.009 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

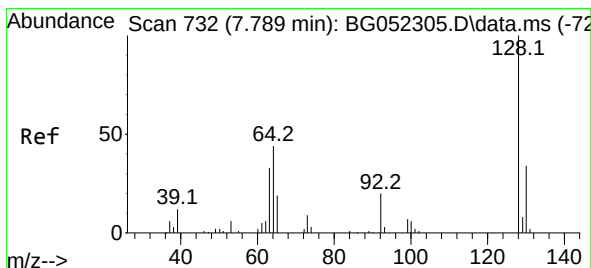
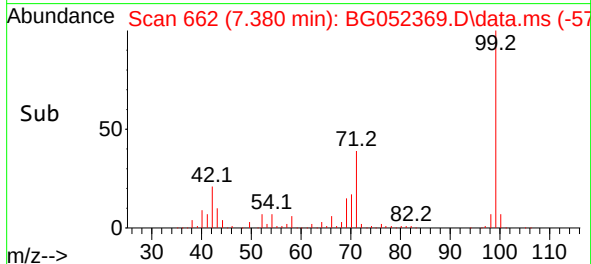
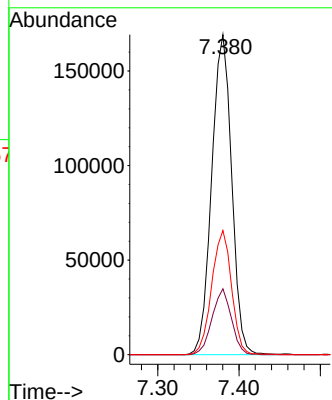
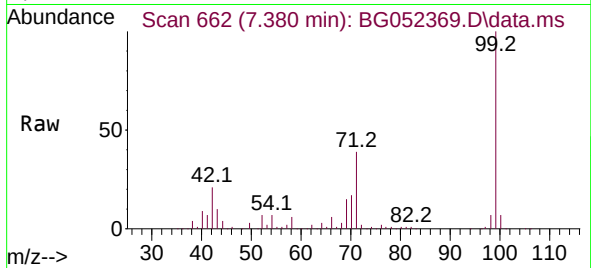
Tgt Ion: 99 Resp: 288376

Ion Ratio Lower Upper

99 100

42 20.6 19.1 28.7

71 38.8 33.4 50.2



#8

2-Chlorophenol

Concen: 7.605 ng

RT: 7.791 min Scan# 732

Delta R.T. 0.002 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

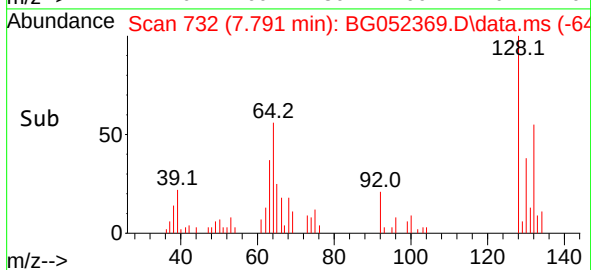
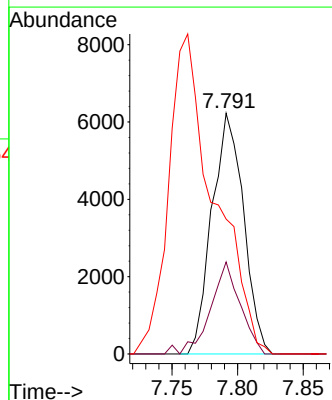
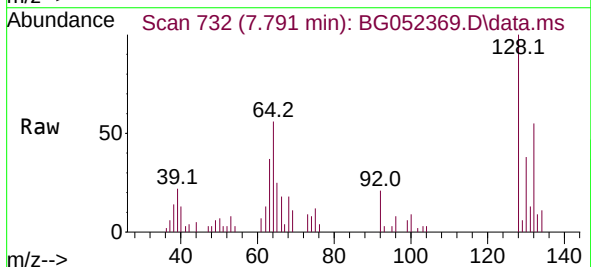
Tgt Ion:128 Resp: 10419

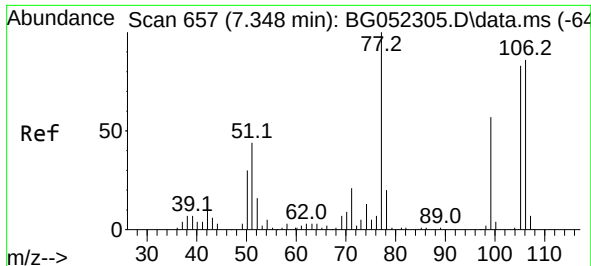
Ion Ratio Lower Upper

128 100

130 38.3 13.6 53.6

64 56.0 37.8 77.8

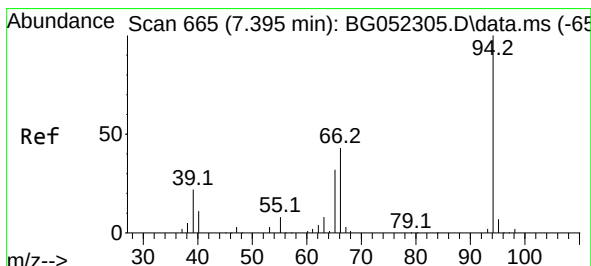
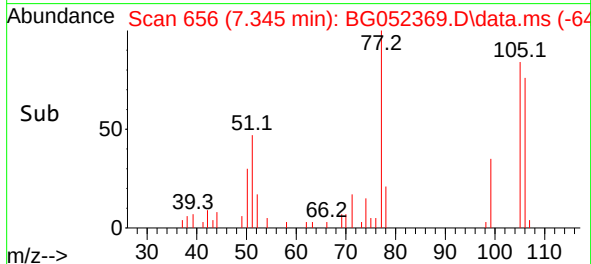
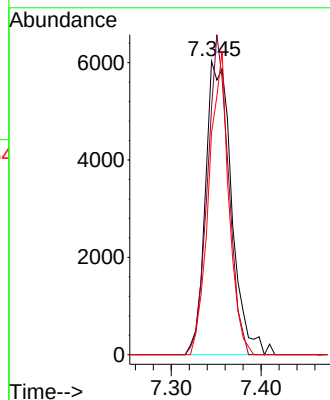
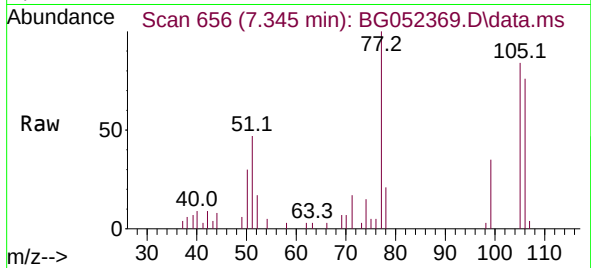




#9
Benzaldehyde
Concen: 10.344 ng
RT: 7.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

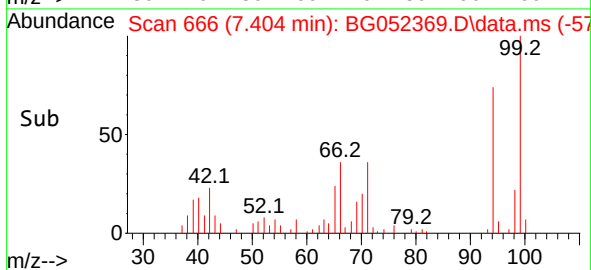
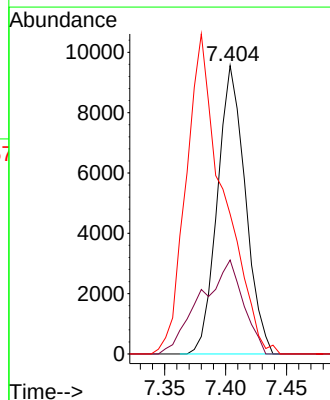
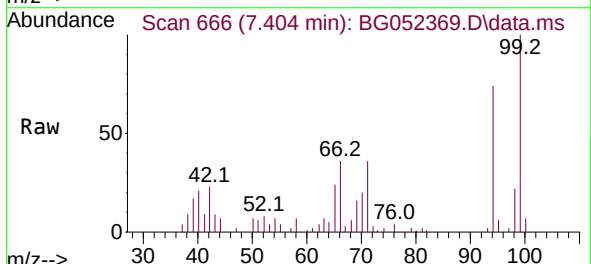
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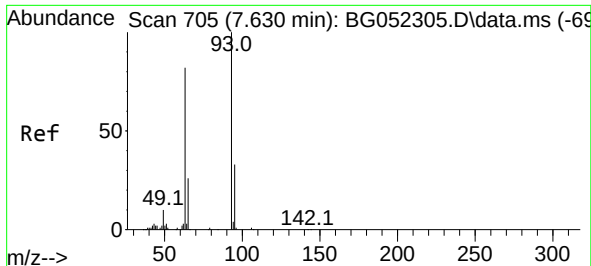
Tgt Ion: 77 Resp: 12201
Ion Ratio Lower Upper
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105 84.2 66.1 106.1
106 75.6 58.1 98.1



#10
Phenol
Concen: 7.989 ng
RT: 7.404 min Scan# 666
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 94 Resp: 15253
Ion Ratio Lower Upper
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65 32.6 14.1 54.1
66 48.5 26.6 66.6

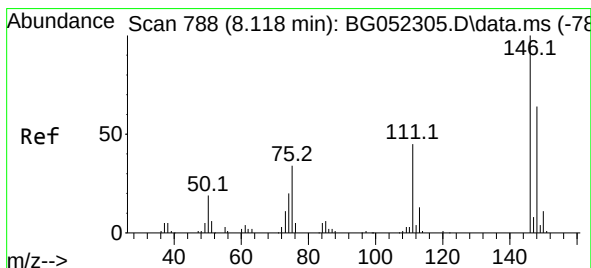
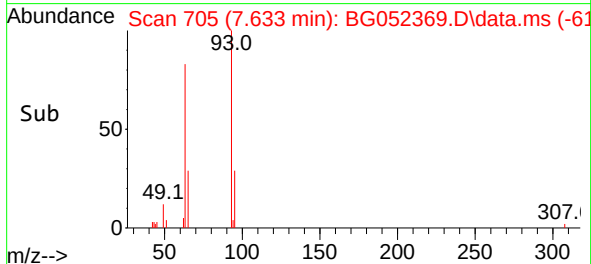
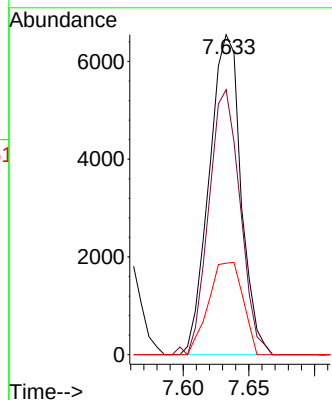
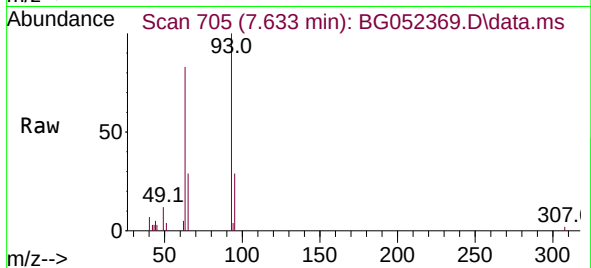




#11
bis(2-Chloroethyl)ether
Concen: 7.563 ng
RT: 7.633 min Scan# 705
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

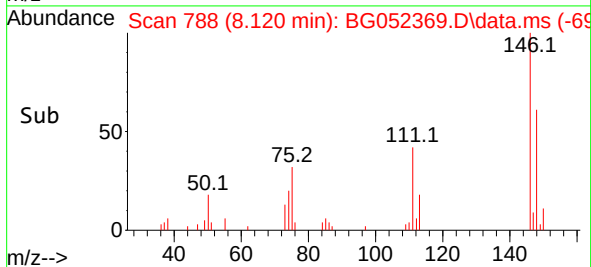
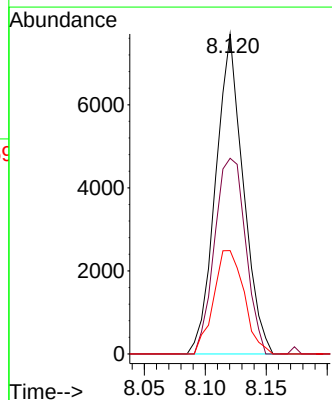
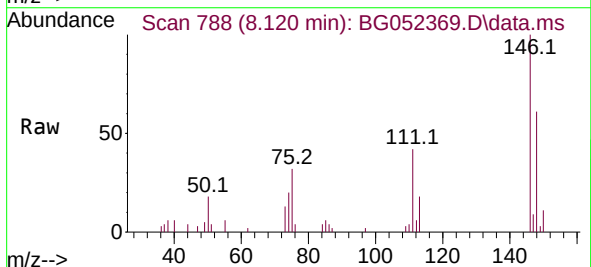
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

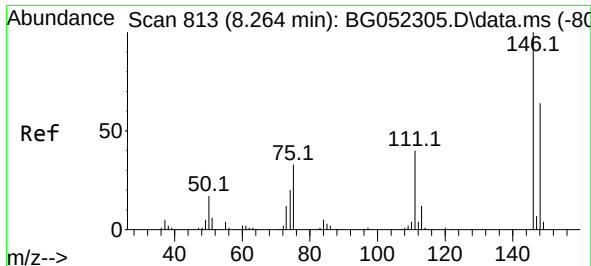
Tgt Ion: 93	Resp: 11037
Ion Ratio	Lower Upper
93 100	
63 82.8	67.1 107.1
95 28.6	13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 7.752 ng
RT: 8.120 min Scan# 788
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:146	Resp:	12101	
Ion	Ratio	Lower	Upper
146	100		
148	61.2	49.1	73.7
75	32.3	30.9	46.3

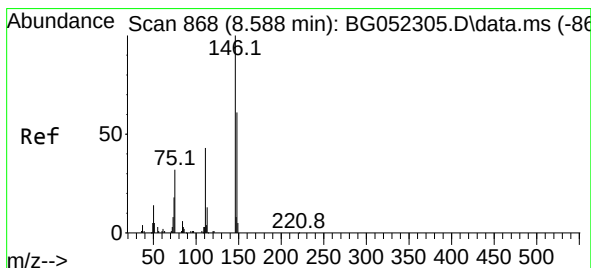
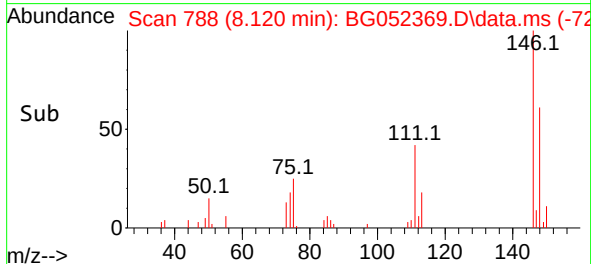
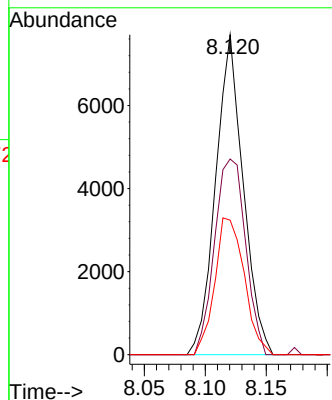
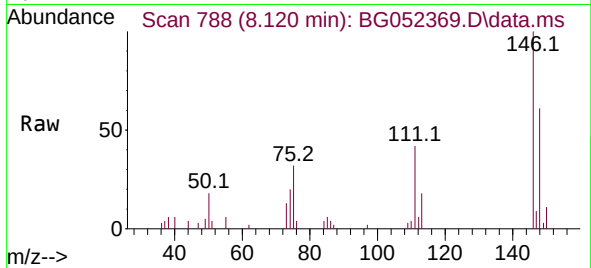




#13
1,4-Dichlorobenzene
Concen: 7.605 ng
RT: 8.120 min Scan# 713
Delta R.T. -0.144 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

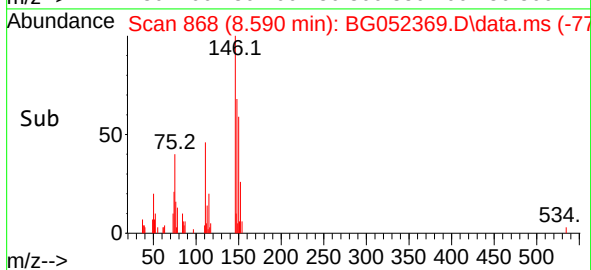
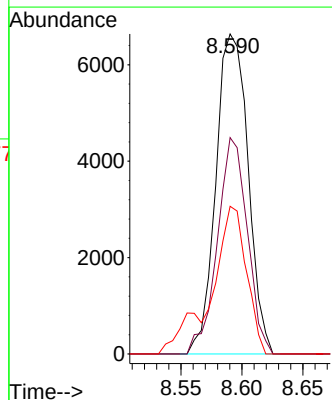
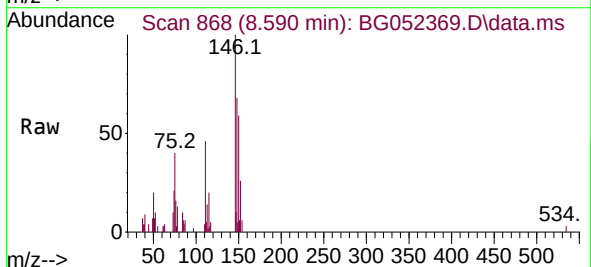
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

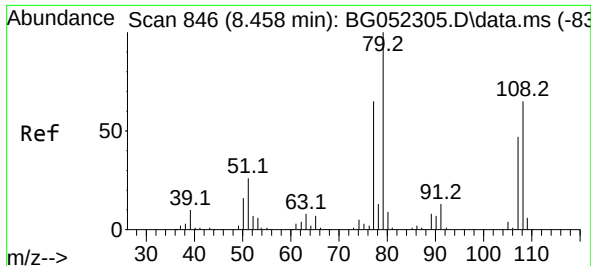
Tgt Ion:146 Resp: 12101
Ion Ratio Lower Upper
146 100
148 61.2 52.6 78.8
111 42.0 33.8 50.8



#14
1,2-Dichlorobenzene
Concen: 7.777 ng
RT: 8.590 min Scan# 868
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:146 Resp: 12205
Ion Ratio Lower Upper
146 100
148 67.6 46.5 69.7
111 46.2 37.0 55.4

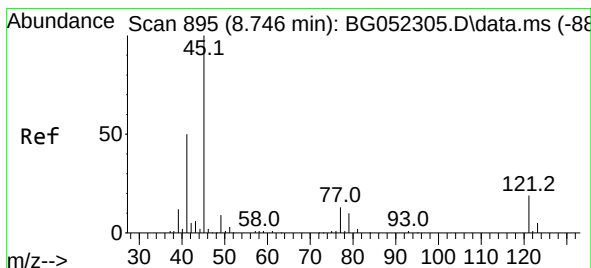
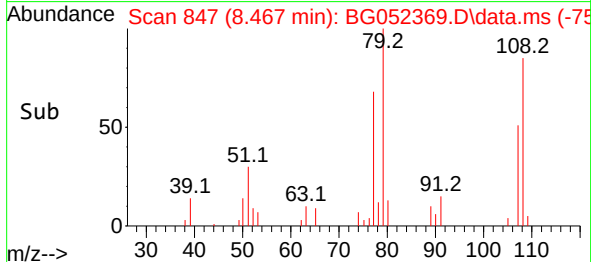
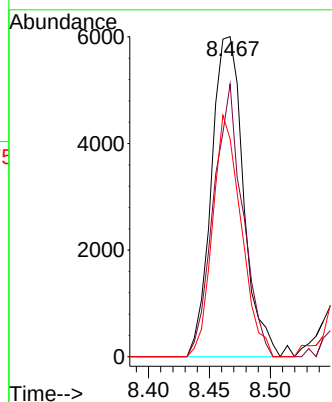
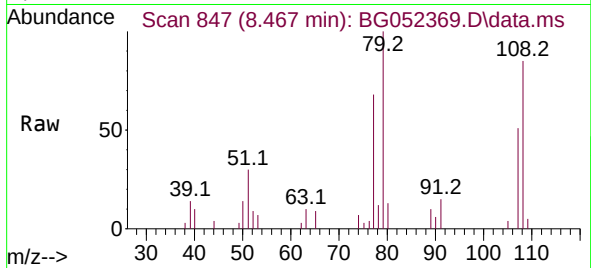




#15
Benzyl Alcohol
Concen: 6.881 ng
RT: 8.467 min Scan# 846
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

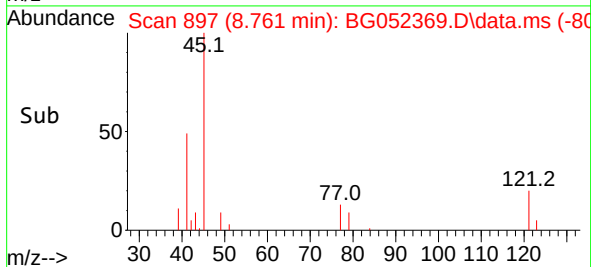
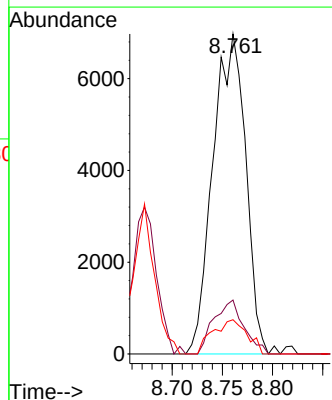
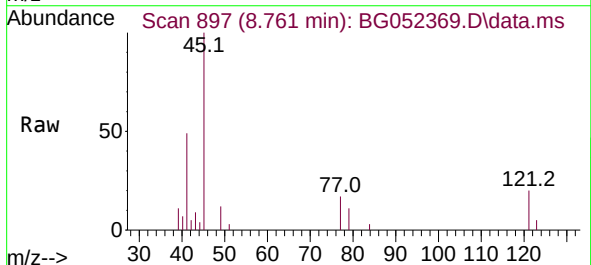
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

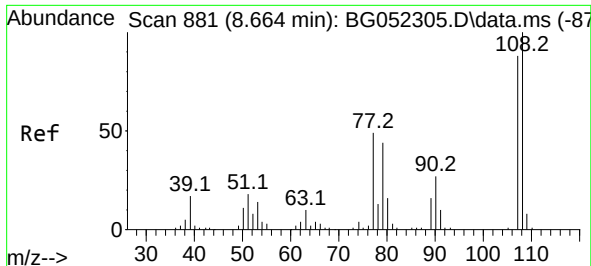
Tgt Ion: 79 Resp: 10973
Ion Ratio Lower Upper
79 100
108 85.2 53.8 80.6#
77 68.1 54.4 81.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.524 ng
RT: 8.761 min Scan# 897
Delta R.T. 0.014 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 45 Resp: 15855
Ion Ratio Lower Upper
45 100
77 16.9 0.0 33.8
79 10.7 0.0 31.1





#17

2-Methylphenol

Concen: 7.219 ng

RT: 8.672 min Scan# 881

Delta R.T. 0.009 min

Lab File: BG052369.D

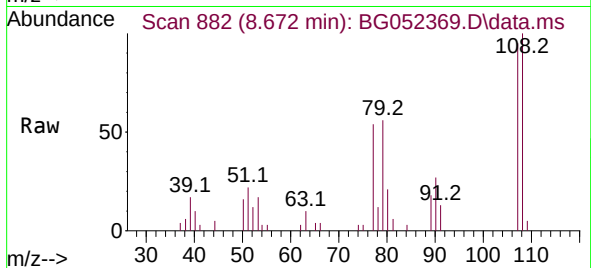
Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:107 Resp: 9095

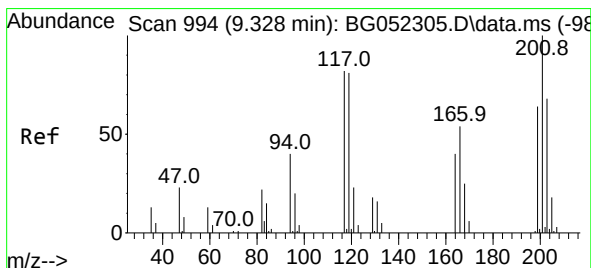
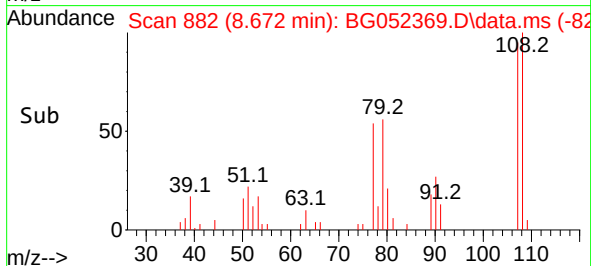
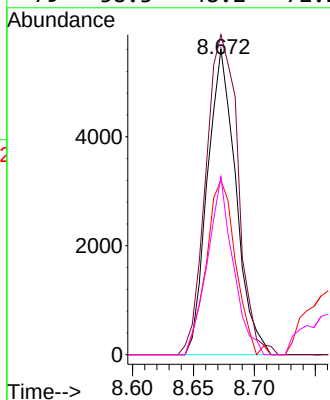
Ion Ratio Lower Upper

107 100

108 104.7 90.3 135.5

77 57.1 49.0 73.6

79 58.3 48.2 72.2



#18

Hexachloroethane

Concen: 8.263 ng

RT: 9.336 min Scan# 995

Delta R.T. 0.009 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

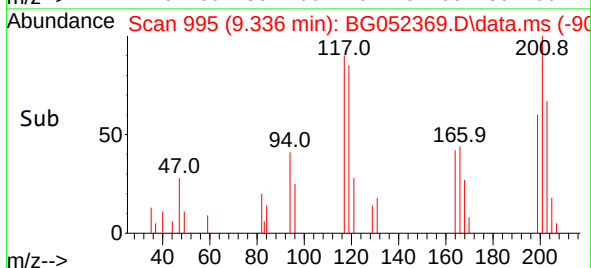
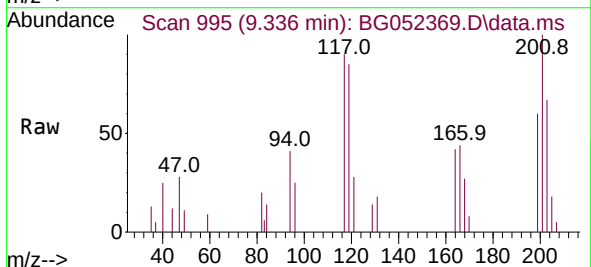
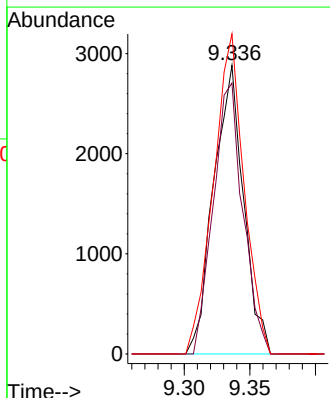
Tgt Ion:117 Resp: 4572

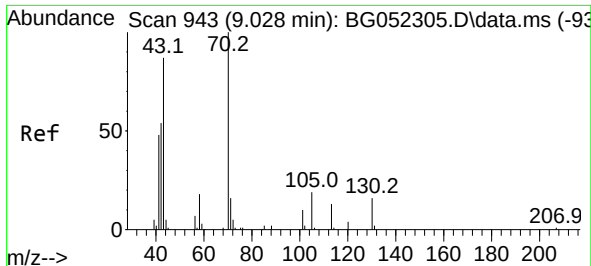
Ion Ratio Lower Upper

117 100

119 93.9 73.5 110.3

201 110.9 91.0 136.6

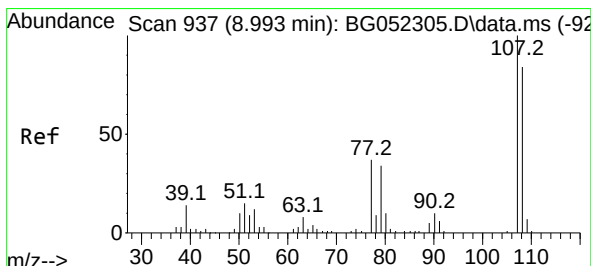
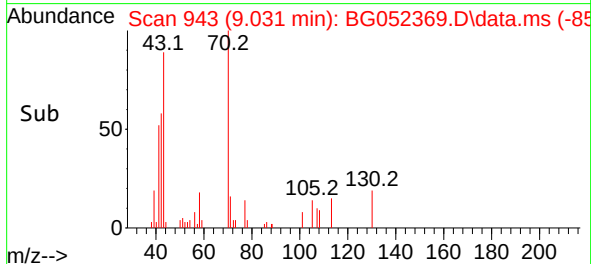
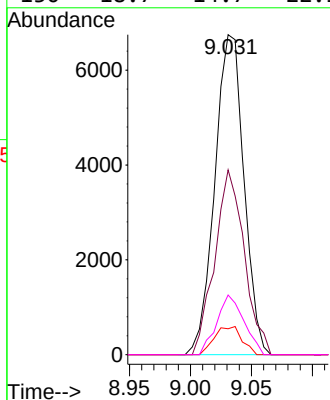
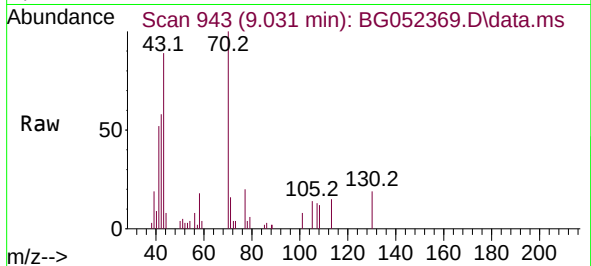




#19
n-Nitroso-di-n-propylamine
Concen: 7.741 ng
RT: 9.031 min Scan# 943
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

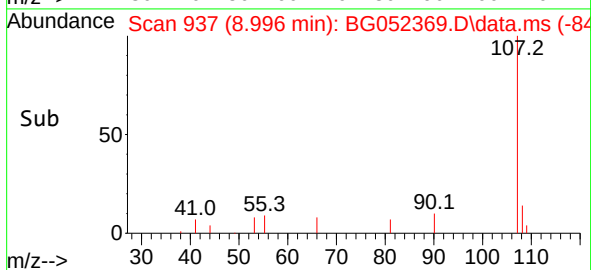
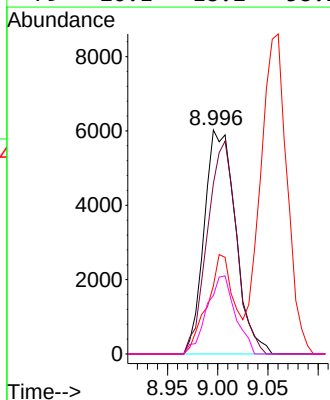
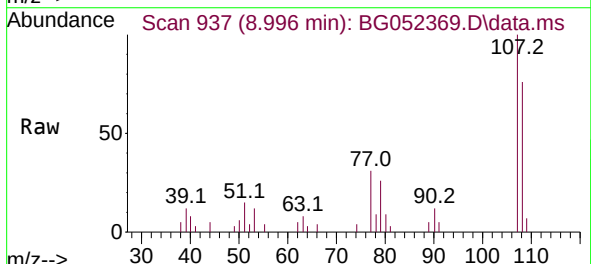
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

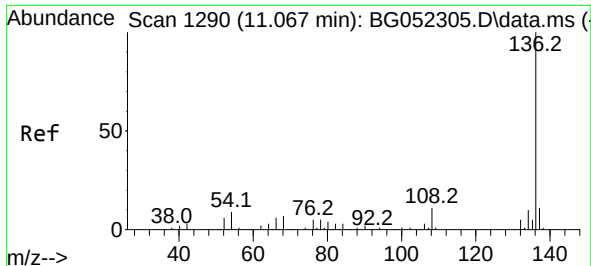
Tgt Ion:	70	Resp:	11214
Ion	Ratio	Lower	Upper
70	100		
42	57.7	51.8	77.6
101	8.1	6.6	10.0
130	18.7	14.7	22.1



#20
3+4-Methylphenols
Concen: 7.266 ng
RT: 8.996 min Scan# 937
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

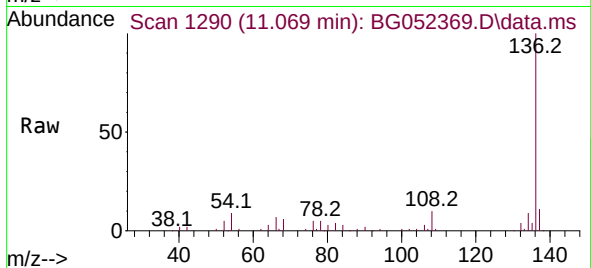
Tgt Ion:	107	Resp:	13097
Ion	Ratio	Lower	Upper
107	100		
108	76.2	71.9	111.9
77	30.5	24.6	64.6
79	26.1	18.2	58.2



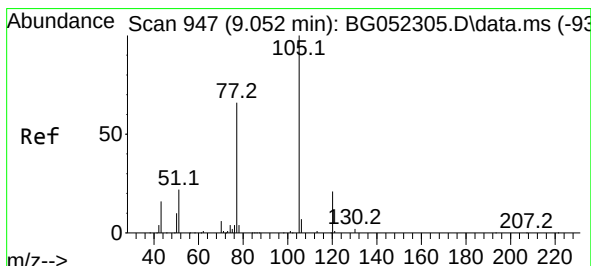
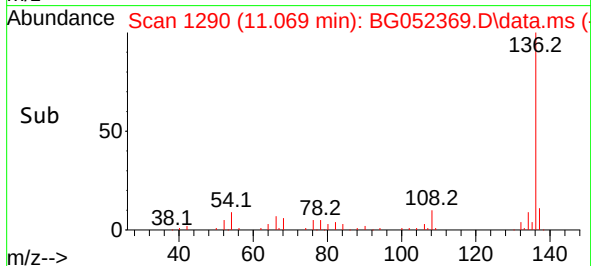
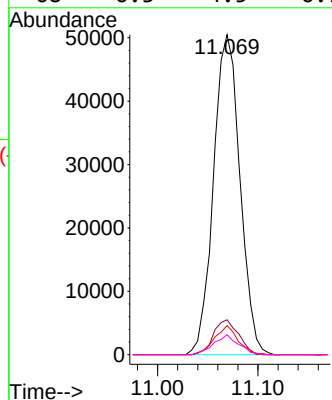


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.069 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

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

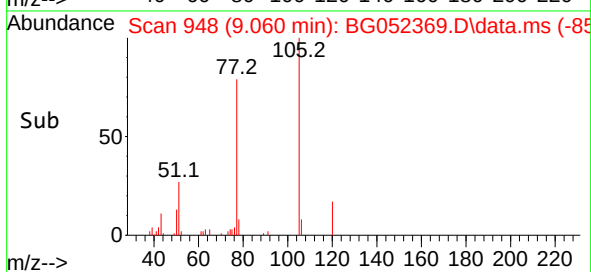
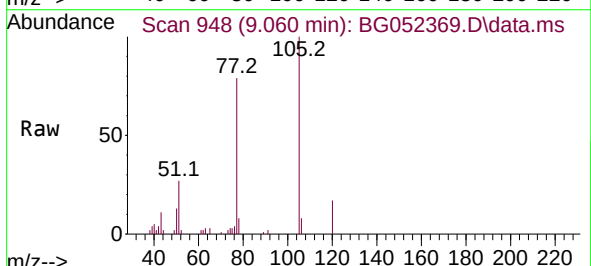
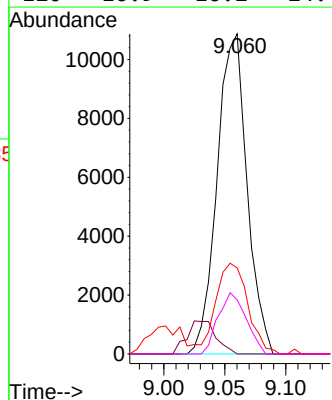


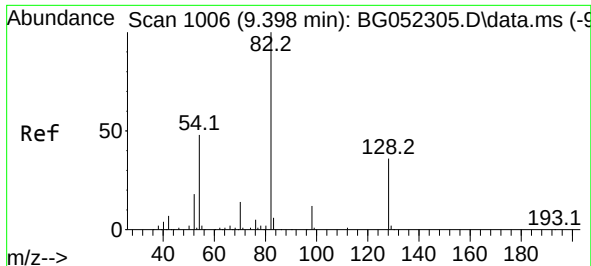
Tgt Ion:	136	Resp:	92318
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	9.1	8.3	12.5
68	6.3	4.5	6.7



#22
Acetophenone
Concen: 7.615 ng
RT: 9.060 min Scan# 948
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:	105	Resp:	18579
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.8	2.6#
51	26.9	27.0	40.4#
120	16.9	16.2	24.4

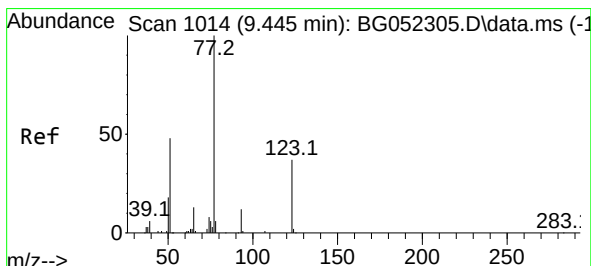
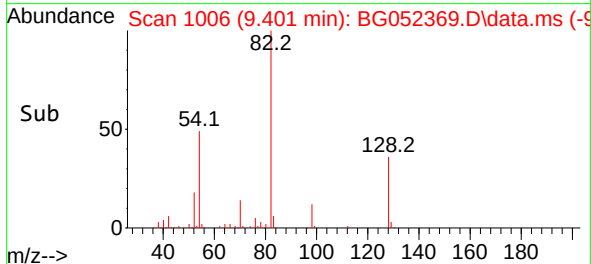
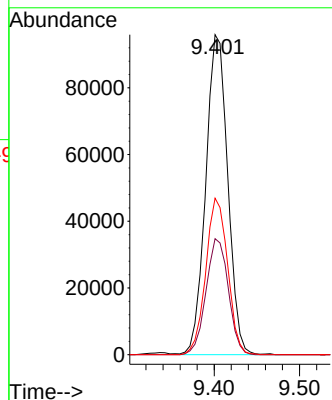
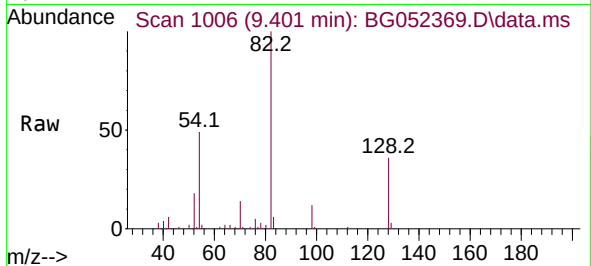




#23
Nitrobenzene-d5
Concen: 80.956 ng
RT: 9.401 min Scan# 1006
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

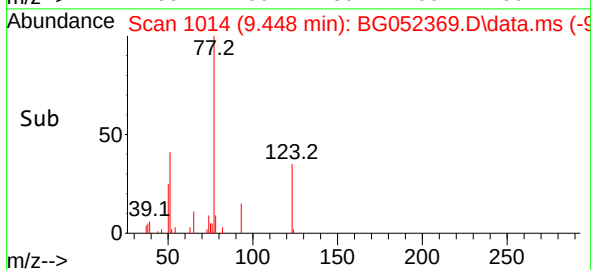
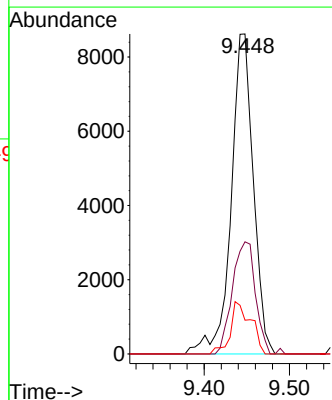
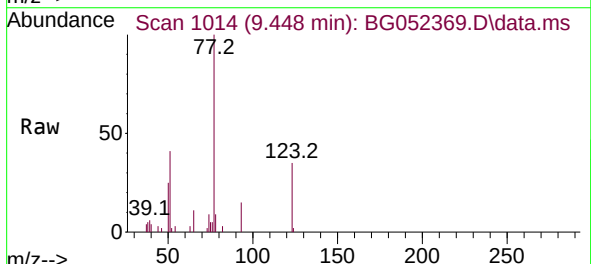
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

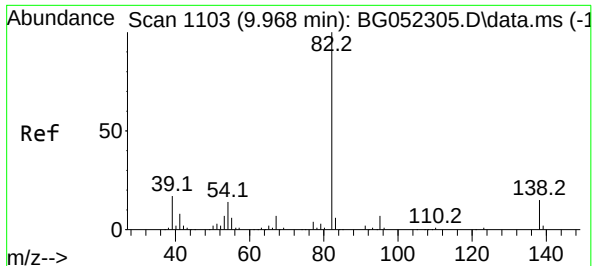
Tgt Ion: 82 Resp: 171963
Ion Ratio Lower Upper
82 100
128 36.3 27.0 40.4
54 48.9 41.0 61.6



#24
Nitrobenzene
Concen: 7.737 ng
RT: 9.448 min Scan# 1014
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 77 Resp: 15590
Ion Ratio Lower Upper
77 100
123 35.1 27.1 40.7
65 10.6 11.2 16.8#

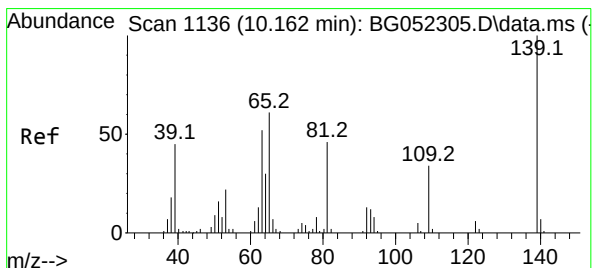
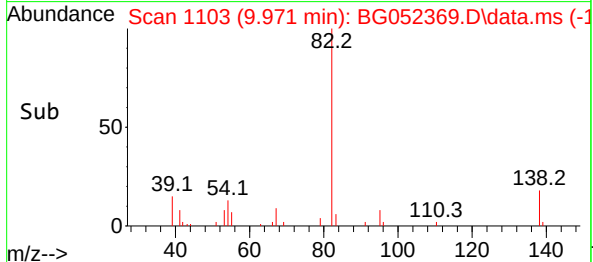
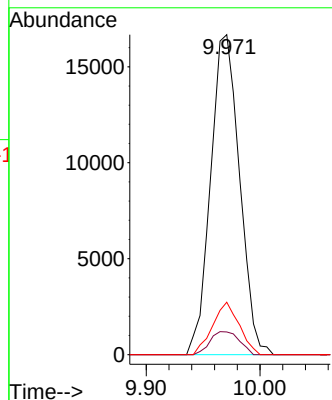
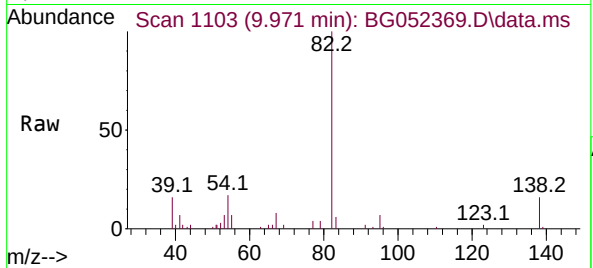




#25
Isophorone
Concen: 8.165 ng
RT: 9.971 min Scan# 1103
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

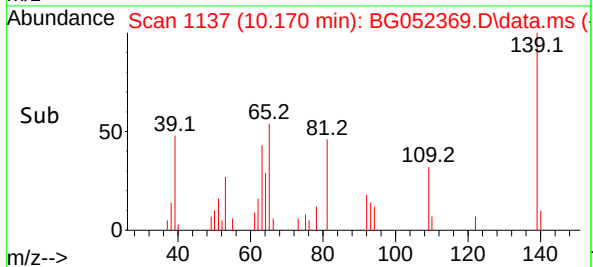
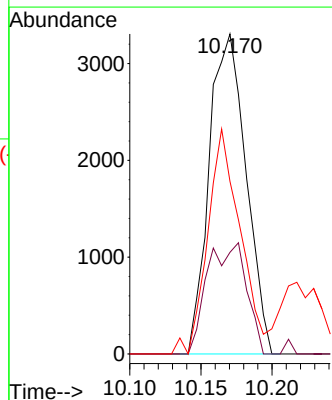
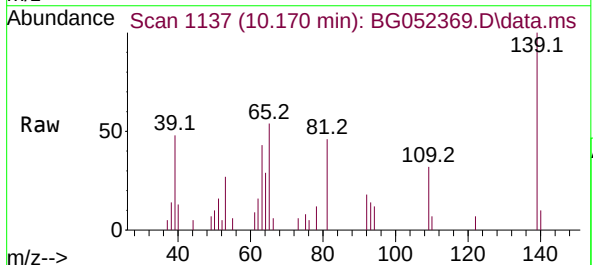
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

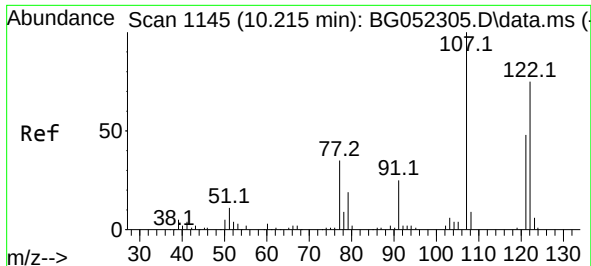
Tgt Ion: 82 Resp: 29510
Ion Ratio Lower Upper
82 100
95 7.1 6.6 9.8
138 16.4 12.5 18.7



#26
2-Nitrophenol
Concen: 6.967 ng
RT: 10.170 min Scan# 1137
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 139 Resp: 5950
Ion Ratio Lower Upper
139 100
109 31.7 30.4 45.6
65 53.9 55.7 83.5#





#27

2,4-Dimethylphenol

Concen: 8.671 ng

RT: 10.223 min Scan# 1145

Delta R.T. 0.009 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

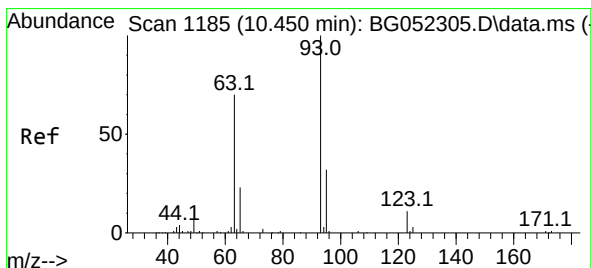
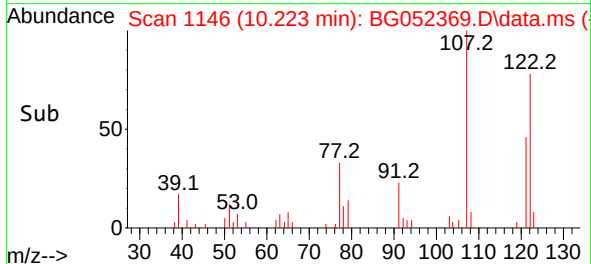
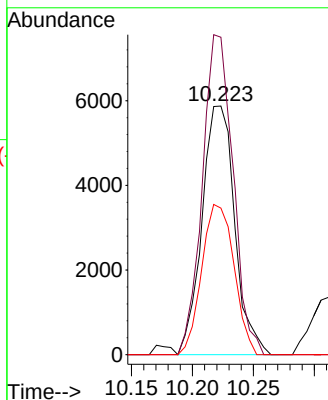
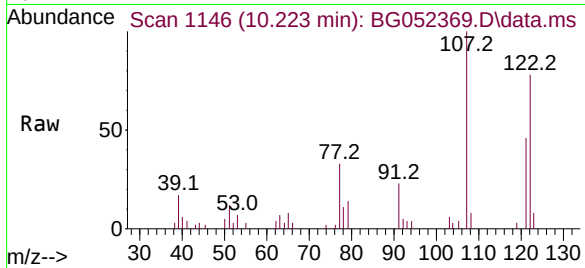
Tgt Ion:122 Resp: 10964

Ion Ratio Lower Upper

122 100

107 127.7 105.8 158.8

121 58.9 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 7.502 ng

RT: 10.452 min Scan# 1185

Delta R.T. 0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

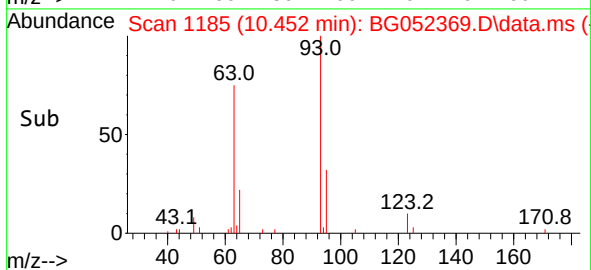
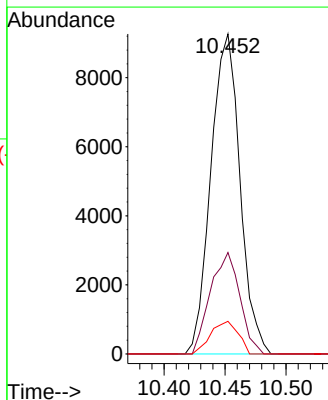
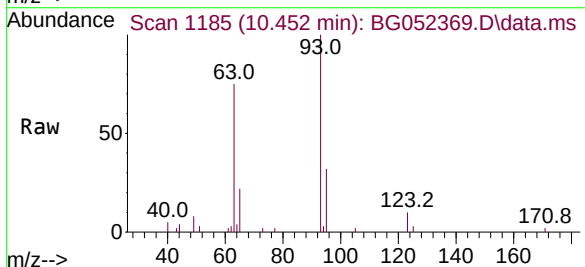
Tgt Ion: 93 Resp: 15388

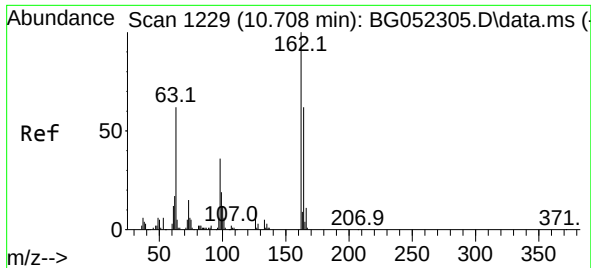
Ion Ratio Lower Upper

93 100

95 31.7 26.1 39.1

123 10.2 7.6 11.4

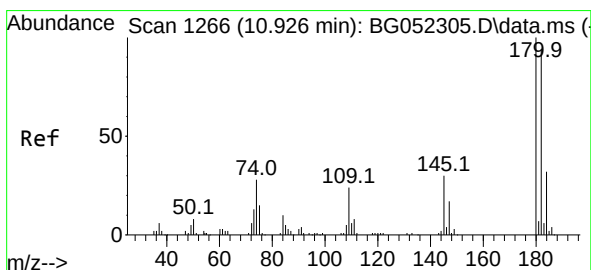
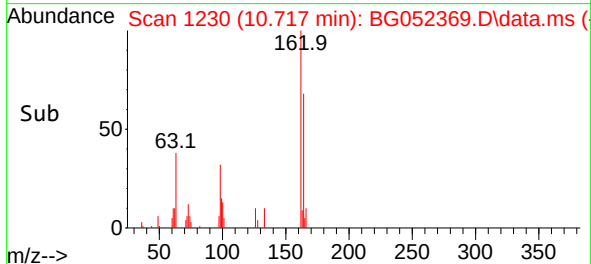
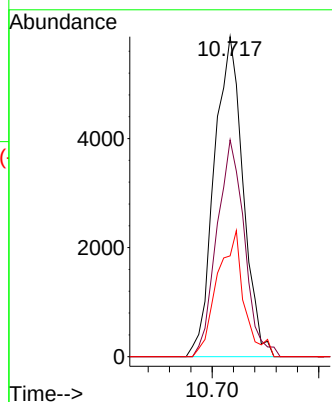
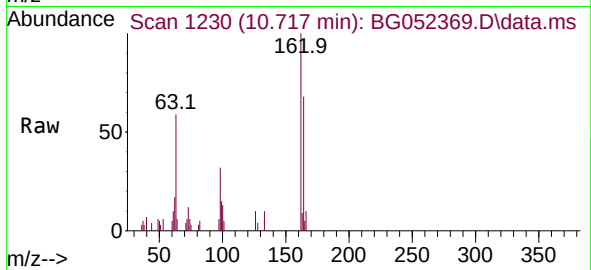




#29
2,4-Dichlorophenol
Concen: 7.266 ng
RT: 10.717 min Scan# 11
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

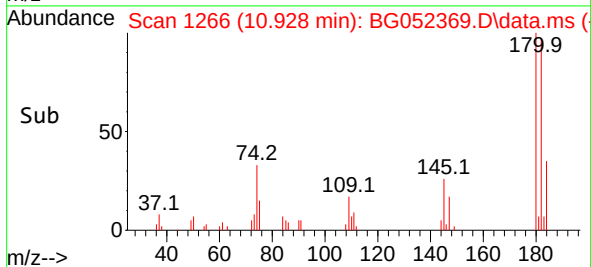
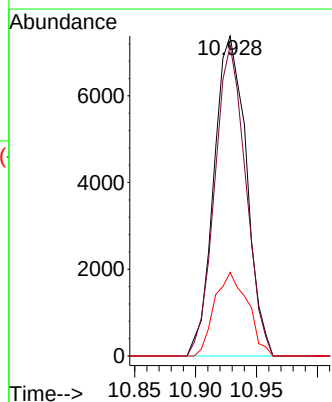
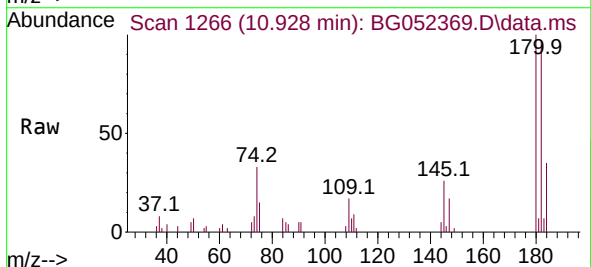
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

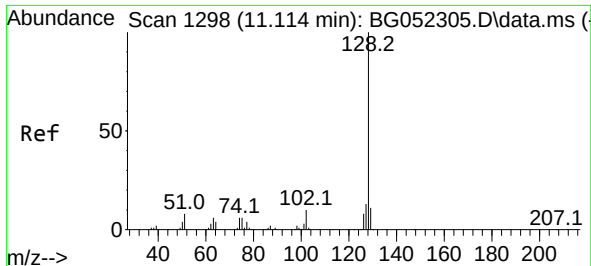
Tgt Ion:162 Resp: 11012
Ion Ratio Lower Upper
162 100
164 67.7 44.3 84.3
98 31.5 17.2 57.2



#30
1,2,4-Trichlorobenzene
Concen: 7.691 ng
RT: 10.928 min Scan# 1266
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:180 Resp: 13612
Ion Ratio Lower Upper
180 100
182 97.1 76.1 114.1
145 26.1 24.0 36.0

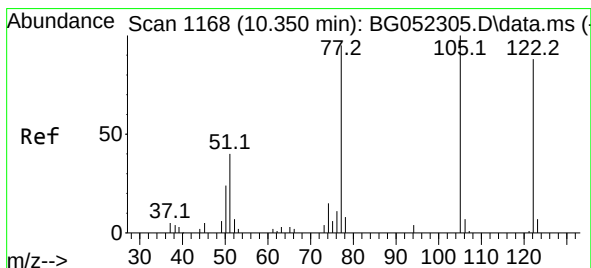
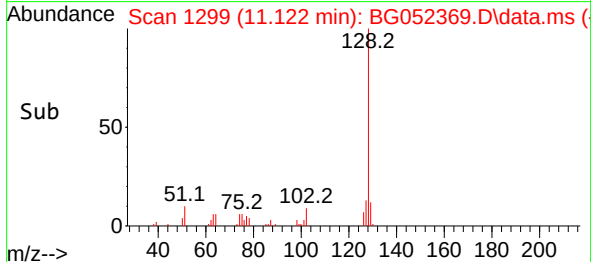
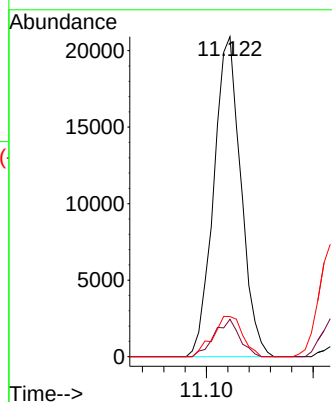
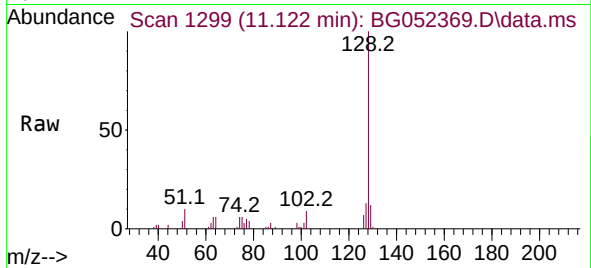




#31
Naphthalene
Concen: 7.635 ng
RT: 11.122 min Scan# 1112
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

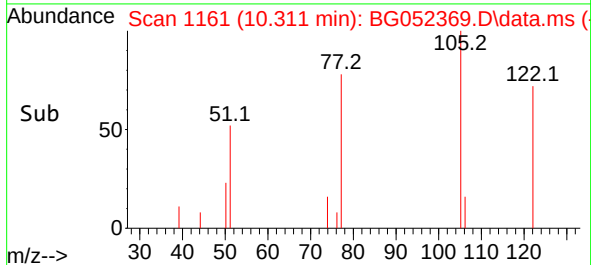
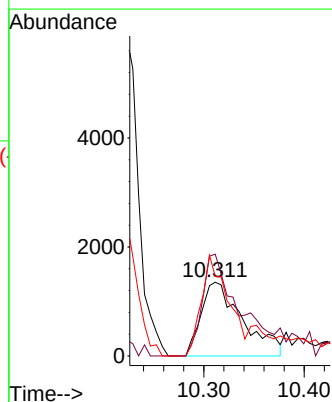
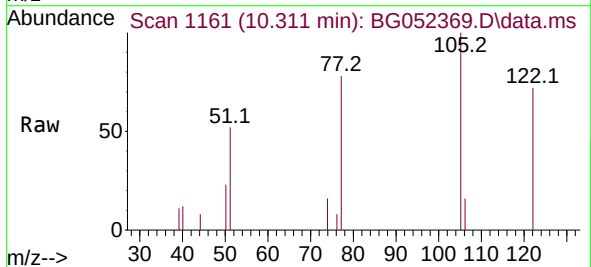
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

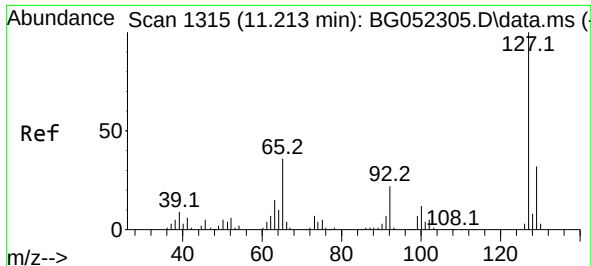
Tgt Ion:128 Resp: 36953
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.6
127 12.6 12.0 18.0



#32
Benzoic acid
Concen: 5.269 ng
RT: 10.311 min Scan# 1161
Delta R.T. -0.039 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:122 Resp: 3913
Ion Ratio Lower Upper
122 100
105 138.0 109.2 149.2
77 107.8 92.8 132.8

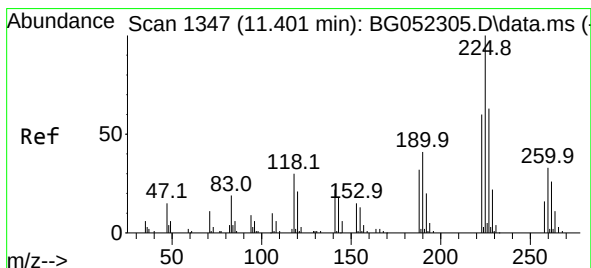
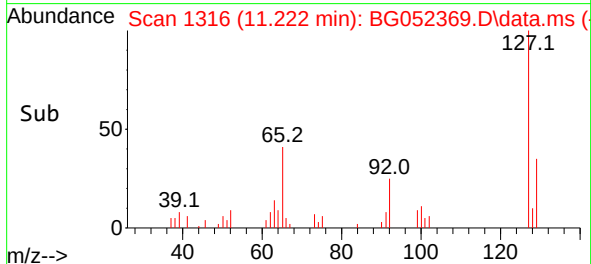
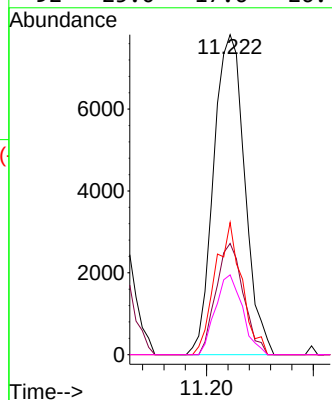
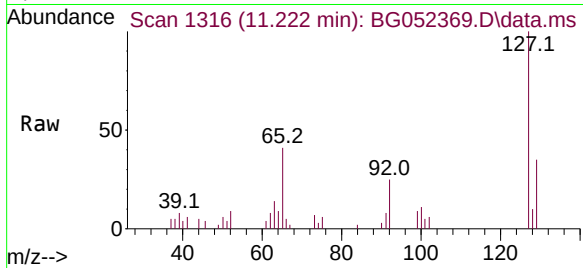




#33
4-Chloroaniline
Concen: 7.831 ng
RT: 11.222 min Scan# 11
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

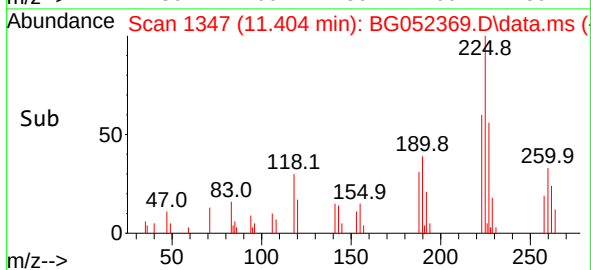
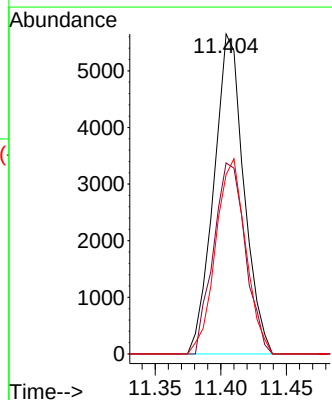
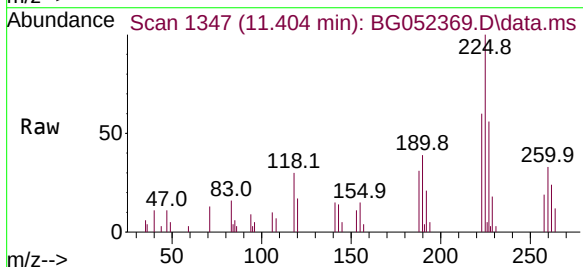
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

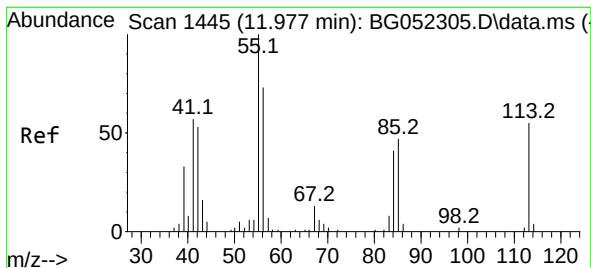
Tgt Ion:	127	Resp:	15824
Ion	Ratio	Lower	Upper
127	100		
129	34.7	27.0	40.6
65	41.3	28.7	43.1
92	25.0	17.6	26.4



#34
Hexachlorobutadiene
Concen: 7.517 ng
RT: 11.404 min Scan# 1347
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:	225	Resp:	8985
Ion	Ratio	Lower	Upper
225	100		
223	59.7	51.6	77.4
227	56.1	53.9	80.9





#35

Caprolactam

Concen: 7.412 ng

RT: 11.962 min Scan# 1442

Delta R.T. -0.015 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

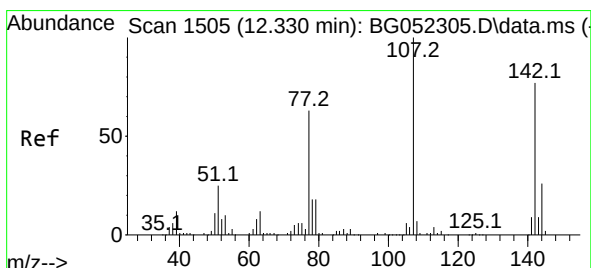
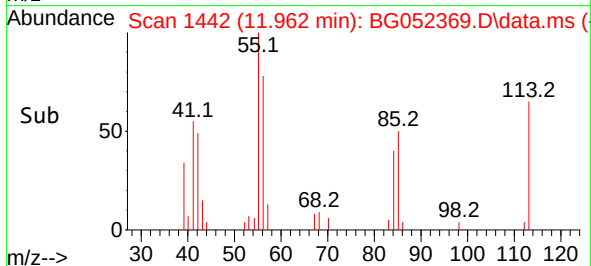
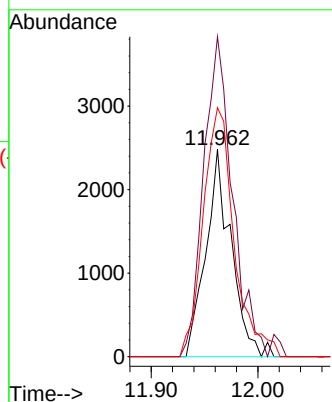
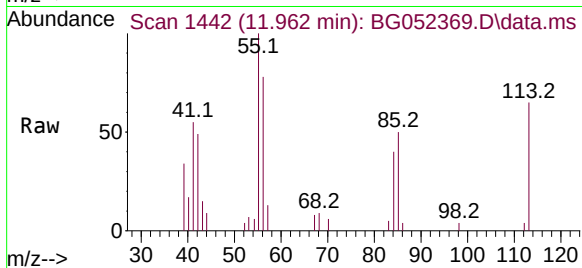
Tgt Ion:113 Resp: 4094

Ion Ratio Lower Upper

113 100

55 154.4 161.4 201.4#

56 120.1 132.6 172.6#



#36

4-Chloro-3-methylphenol

Concen: 7.408 ng

RT: 12.332 min Scan# 1505

Delta R.T. 0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

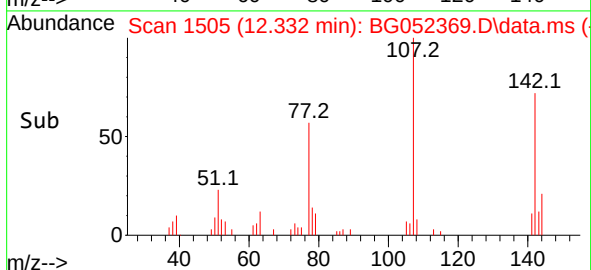
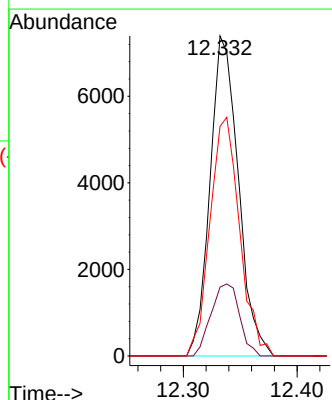
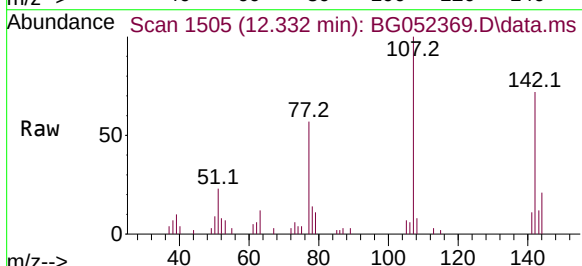
Tgt Ion:107 Resp: 12773

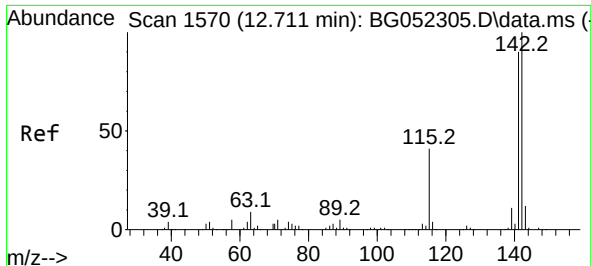
Ion Ratio Lower Upper

107 100

144 21.5 19.3 28.9

142 71.8 63.9 95.9

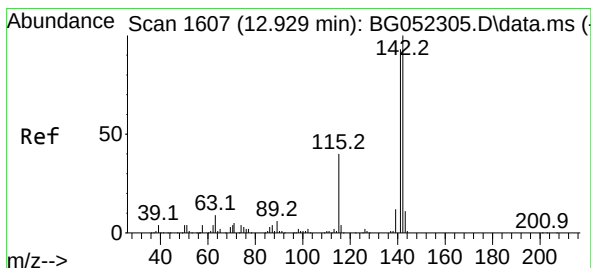
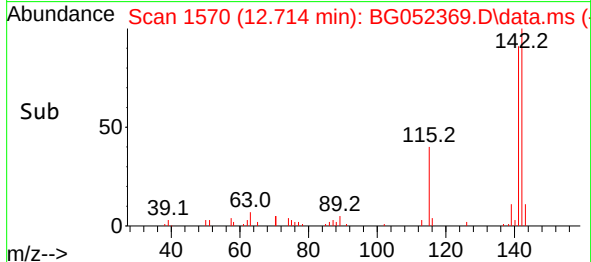
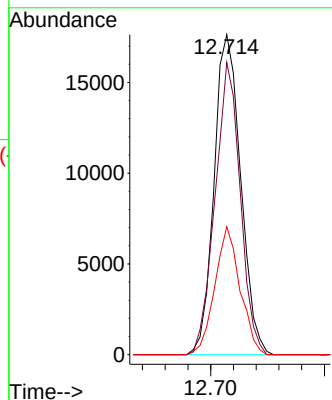
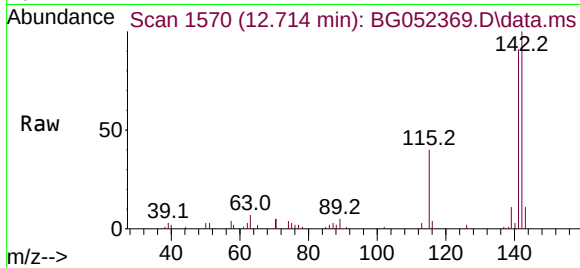




#37
2-Methylnaphthalene
Concen: 7.961 ng
RT: 12.714 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

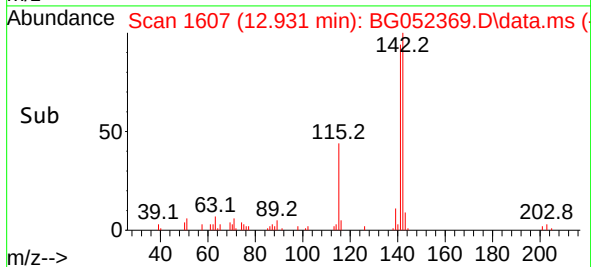
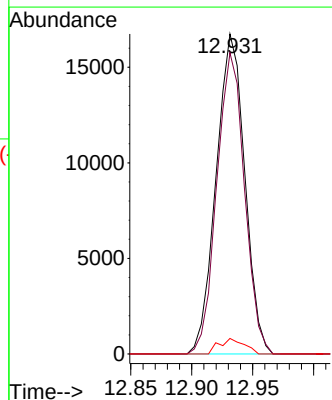
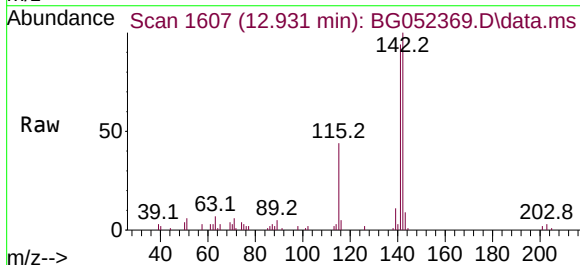
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

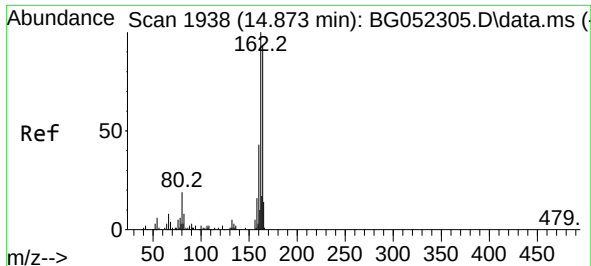
Tgt Ion:142 Resp: 28619
Ion Ratio Lower Upper
142 100
141 91.4 71.7 107.5
115 40.0 32.2 48.4



#38
1-Methylnaphthalene
Concen: 7.848 ng
RT: 12.931 min Scan# 1607
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:142 Resp: 27338
Ion Ratio Lower Upper
142 100
141 94.1 75.0 112.4
116 4.8 4.2 6.4

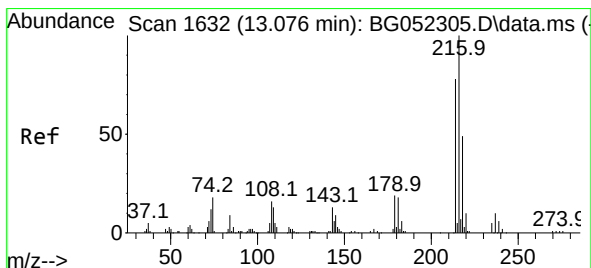
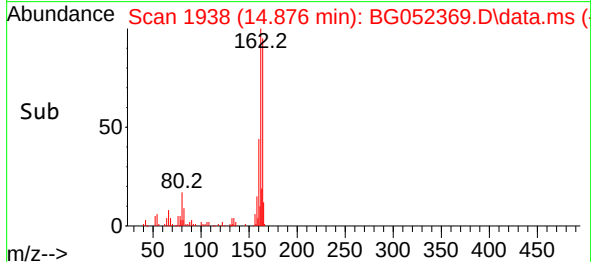
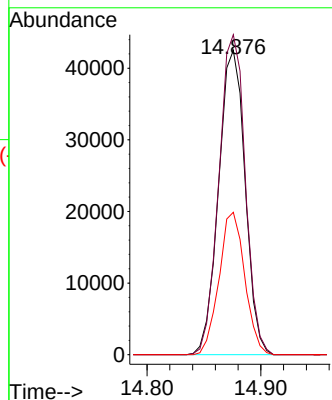
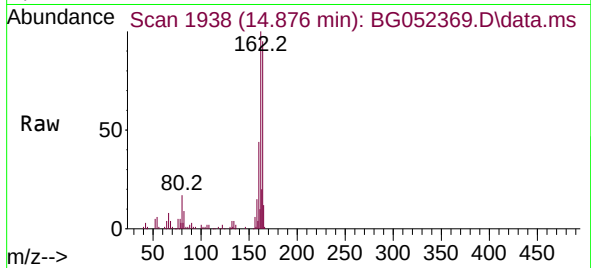




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.876 min Scan# 1938
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

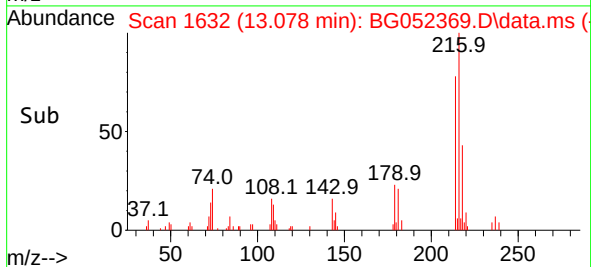
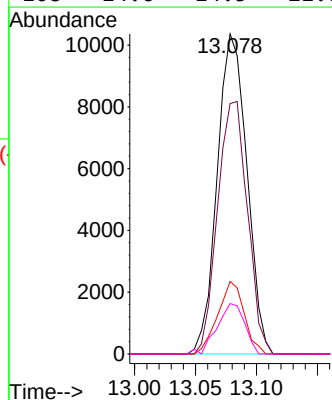
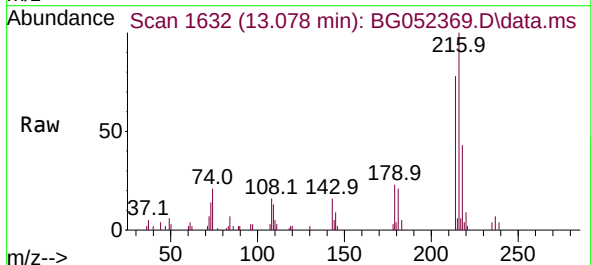
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

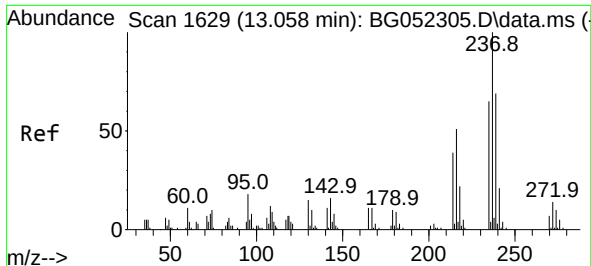
Tgt Ion:164 Resp: 68774
Ion Ratio Lower Upper
164 100
162 105.2 82.2 123.2
160 46.8 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.753 ng
RT: 13.078 min Scan# 1632
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:216 Resp: 17539
Ion Ratio Lower Upper
216 100
214 79.3 63.2 94.8
179 20.1 16.3 24.5
108 14.6 14.5 21.7

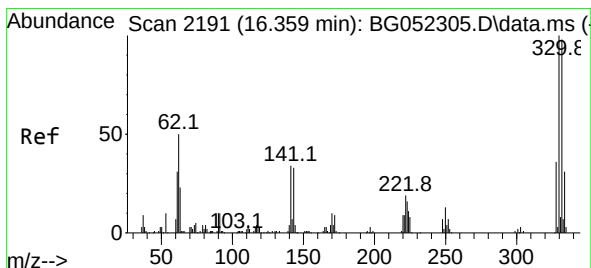
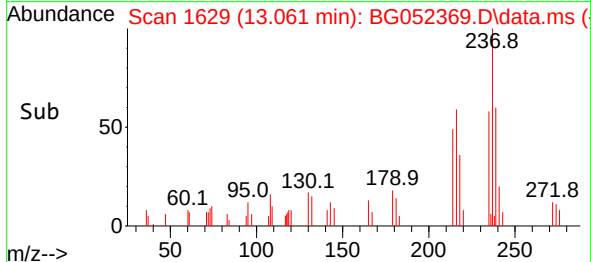
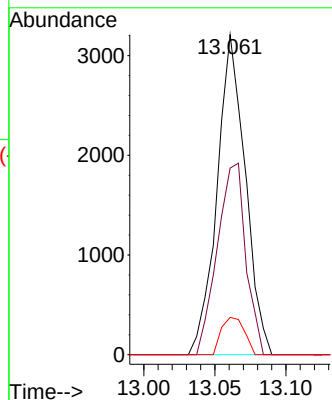
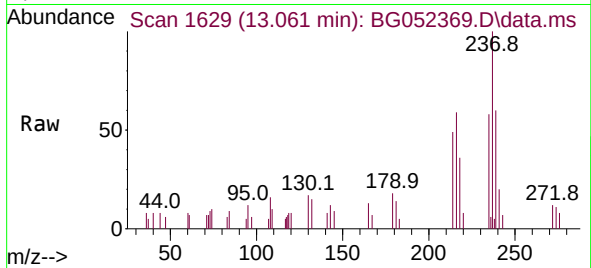




#41
Hexachlorocyclopentadiene
Concen: 4.643 ng
RT: 13.061 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

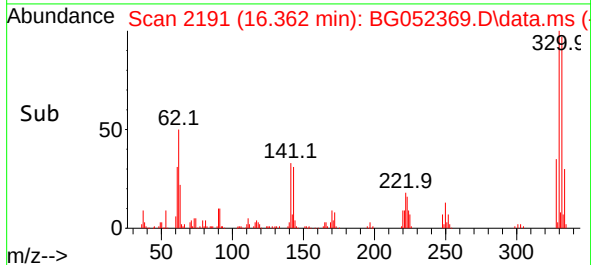
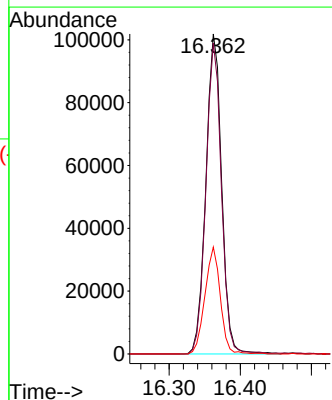
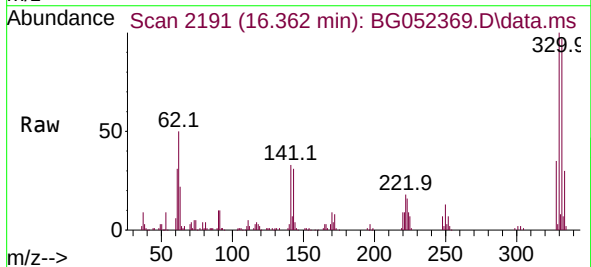
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

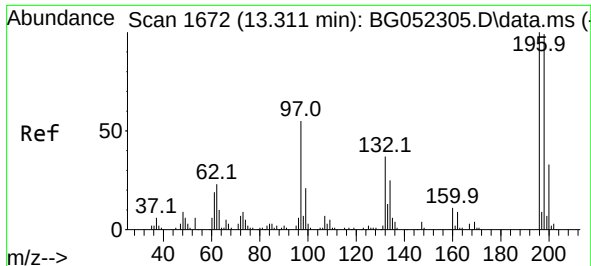
Tgt Ion:237 Resp: 4434
Ion Ratio Lower Upper
237 100
235 58.3 45.9 85.9
272 11.7 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 159.421 ng
RT: 16.362 min Scan# 2191
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:330 Resp: 157516
Ion Ratio Lower Upper
330 100
332 95.5 78.6 117.8
141 32.6 28.8 43.2

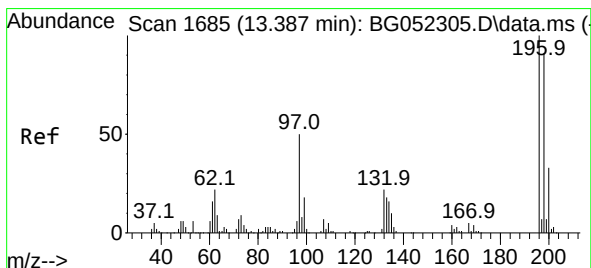
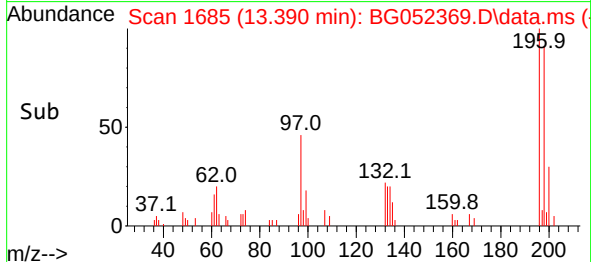
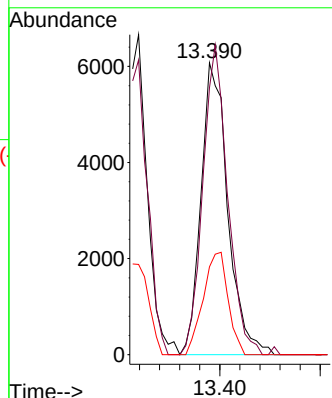
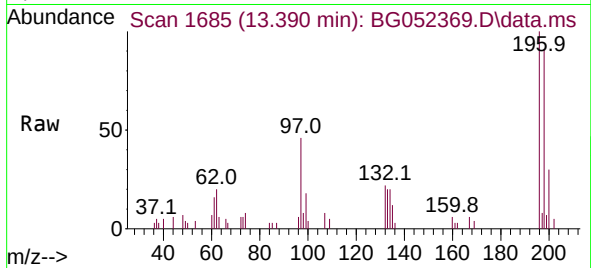




#43
2,4,6-Trichlorophenol
Concen: 7.616 ng
RT: 13.390 min Scan# 1
Delta R.T. 0.079 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

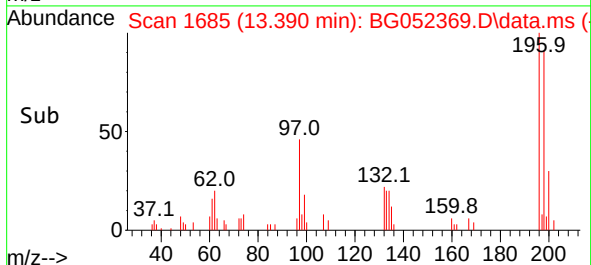
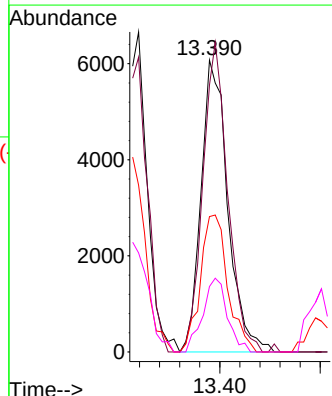
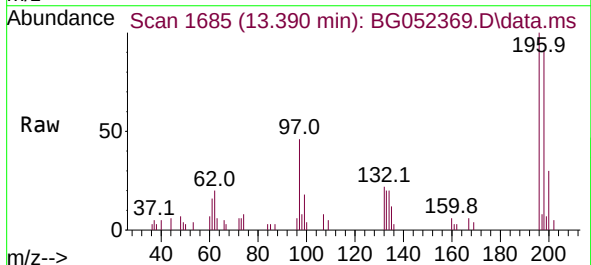
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

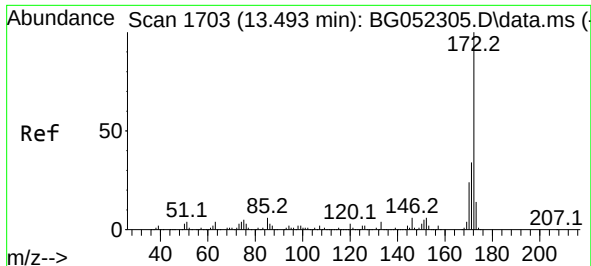
Tgt Ion:196 Resp: 11268
Ion Ratio Lower Upper
196 100
198 91.4 78.4 117.6
200 30.1 28.5 42.7



#44
2,4,5-Trichlorophenol
Concen: 7.028 ng
RT: 13.390 min Scan# 1685
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:196 Resp: 11268
Ion Ratio Lower Upper
196 100
198 91.4 78.6 118.0
97 46.4 43.8 65.8
132 22.4 19.0 28.6

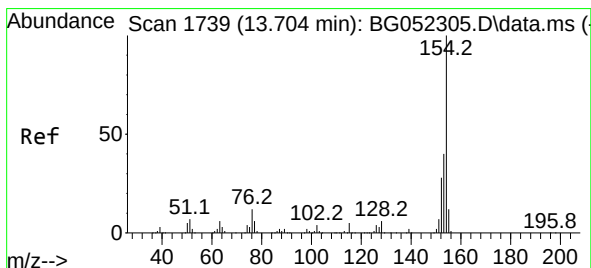
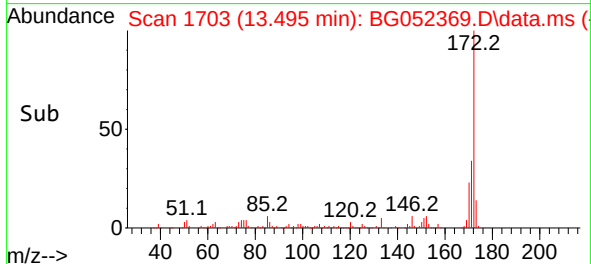
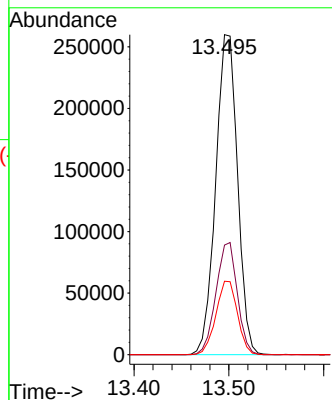
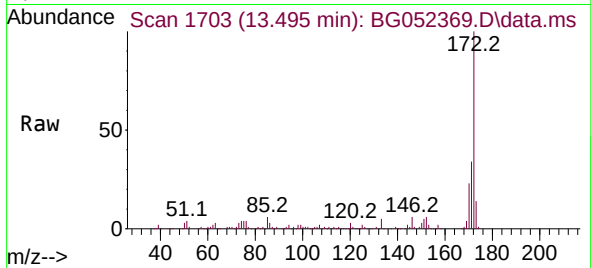




#45
2-Fluorobiphenyl
Concen: 84.005 ng
RT: 13.495 min Scan# 1703
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

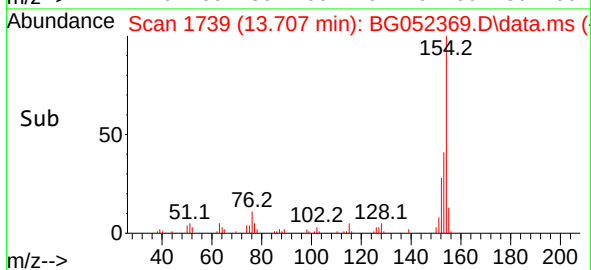
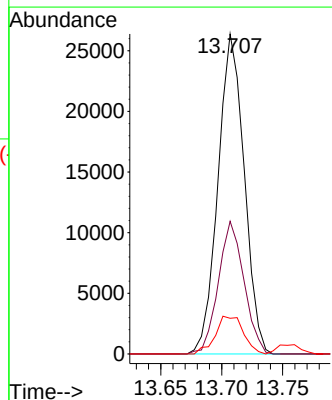
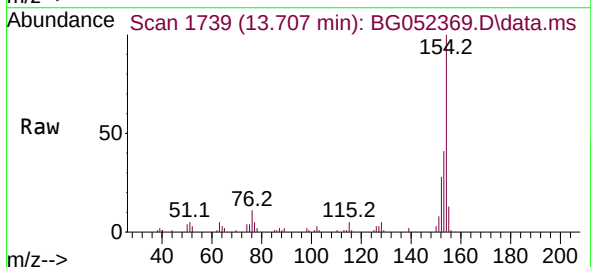
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

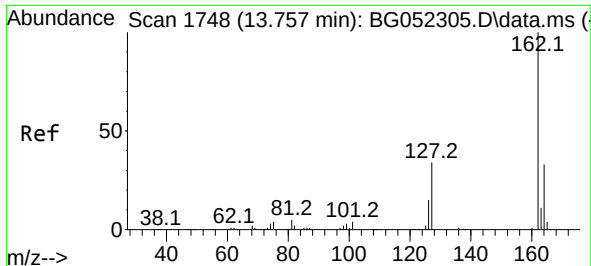
Tgt Ion:172 Resp: 415779
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 23.0 18.3 27.5



#46
1,1'-Biphenyl
Concen: 7.833 ng
RT: 13.707 min Scan# 1739
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:154 Resp: 39500
Ion Ratio Lower Upper
154 100
153 41.4 21.1 61.1
76 11.1 0.0 32.6





#47

2-Chloronaphthalene

Concen: 7.808 ng

RT: 13.754 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

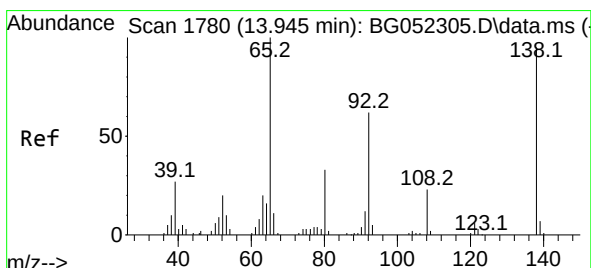
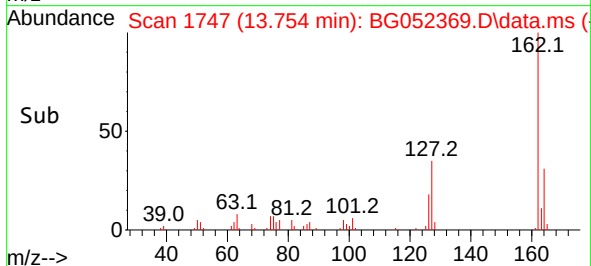
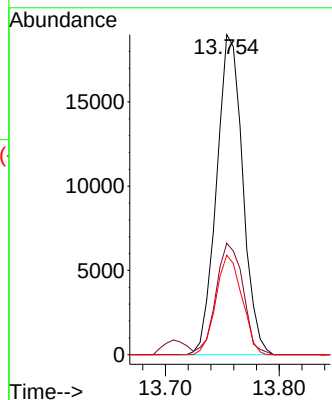
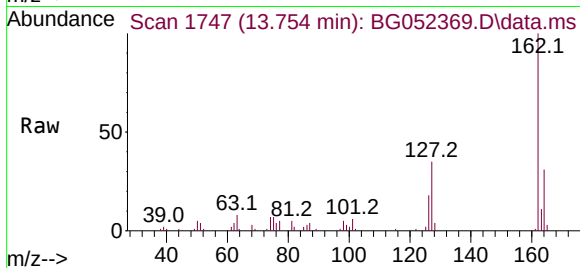
Tgt Ion:162 Resp: 30338

Ion Ratio Lower Upper

162 100

127 34.8 30.4 45.6

164 31.1 25.0 37.4



#48

2-Nitroaniline

Concen: 7.154 ng

RT: 13.948 min Scan# 1780

Delta R.T. 0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

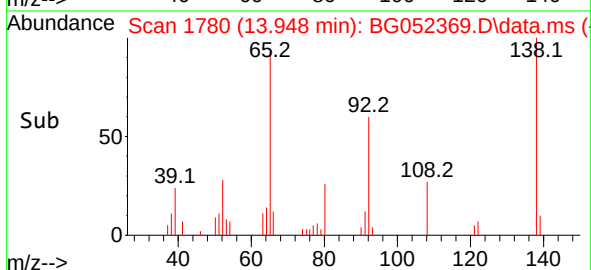
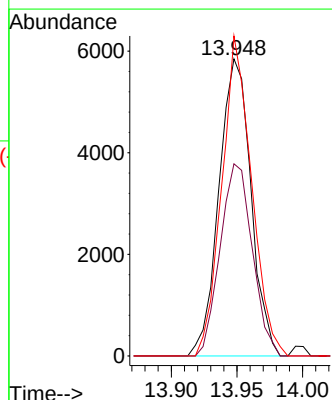
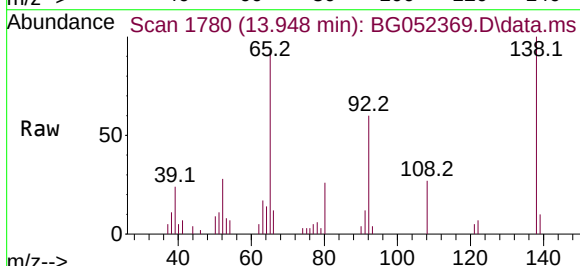
Tgt Ion: 65 Resp: 9896

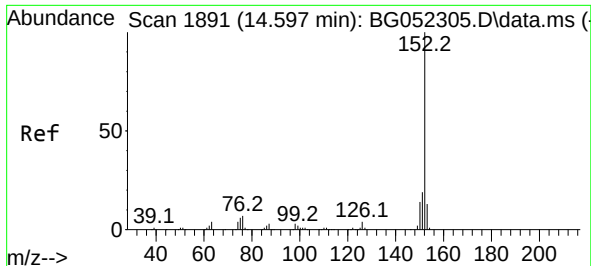
Ion Ratio Lower Upper

65 100

92 64.7 51.0 76.6

138 107.7 72.4 108.6

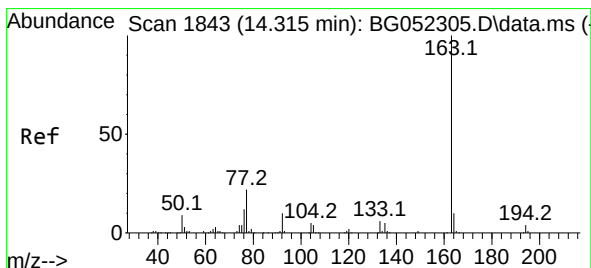
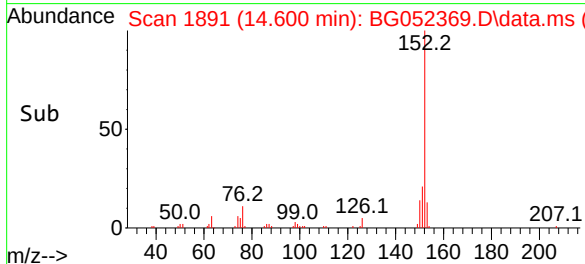
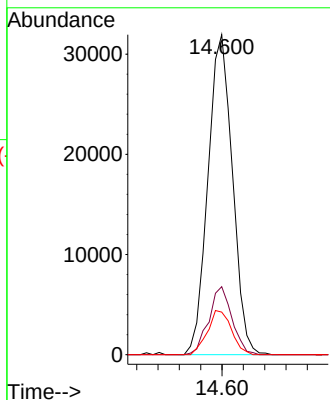
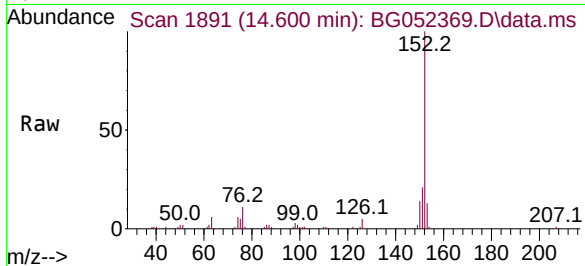




#49
Acenaphthylene
Concen: 8.052 ng
RT: 14.600 min Scan# 1891
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

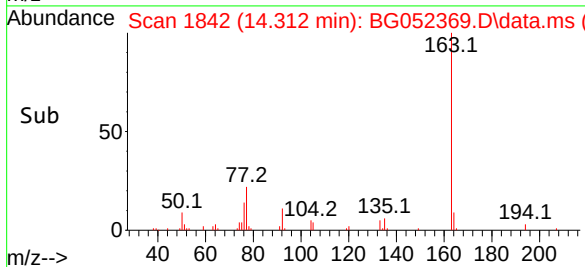
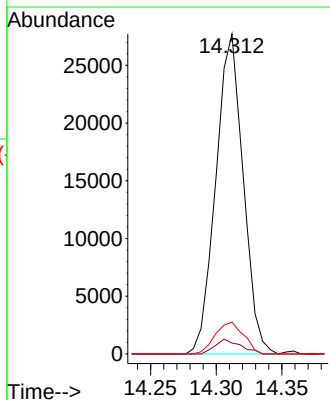
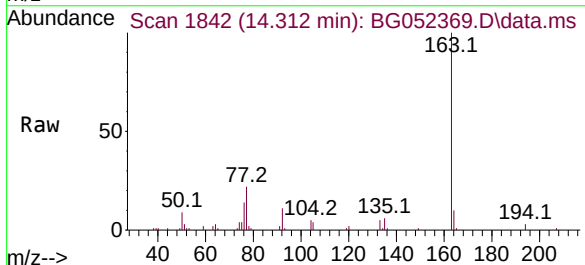
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

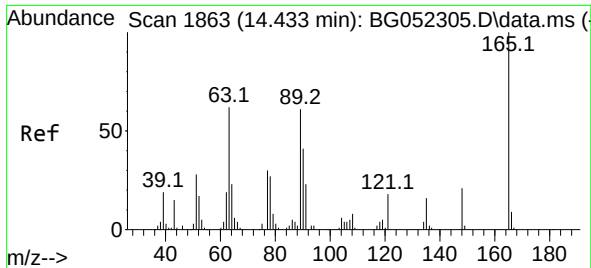
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.1	24.1
153	13.3	10.8	16.2



#50
Dimethylphthalate
Concen: 7.625 ng
RT: 14.312 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.4	5.2#
164	9.9	8.4	12.6

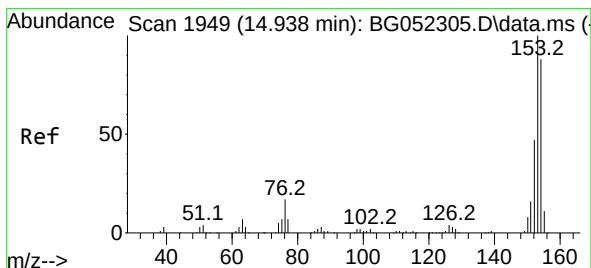
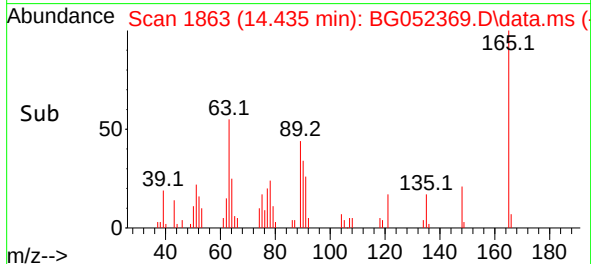
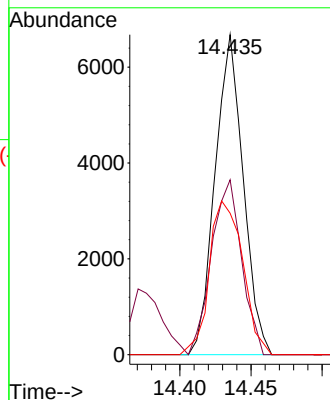
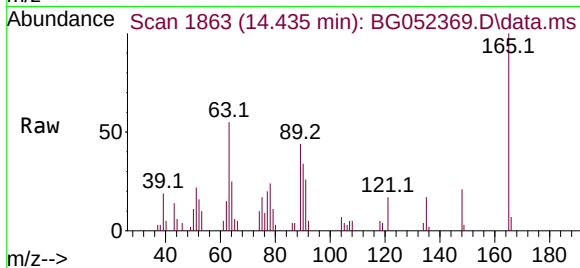




#51
2,6-Dinitrotoluene
Concen: 8.099 ng
RT: 14.435 min Scan# 1863
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

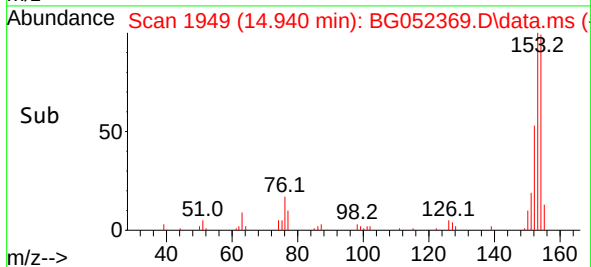
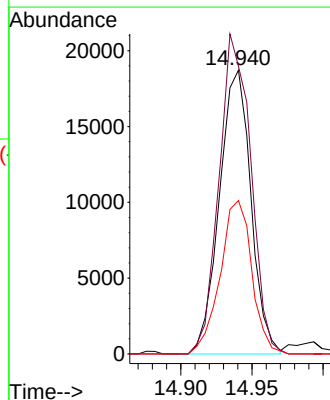
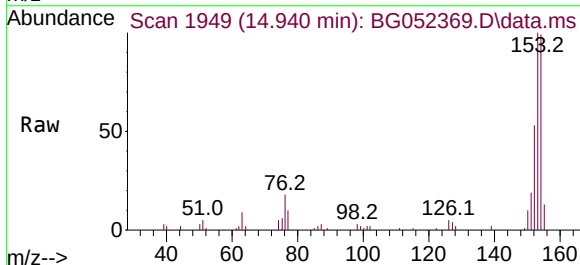
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

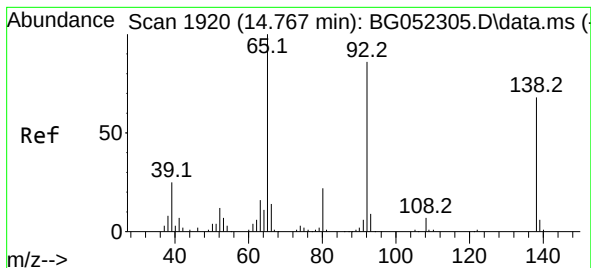
Tgt Ion:165 Resp: 9208
Ion Ratio Lower Upper
165 100
63 54.7 59.0 88.4#
89 44.2 49.4 74.0#



#52
Acenaphthene
Concen: 6.963 ng
RT: 14.940 min Scan# 1949
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:154 Resp: 28843
Ion Ratio Lower Upper
154 100
153 101.4 91.9 137.9
152 54.0 43.4 65.2

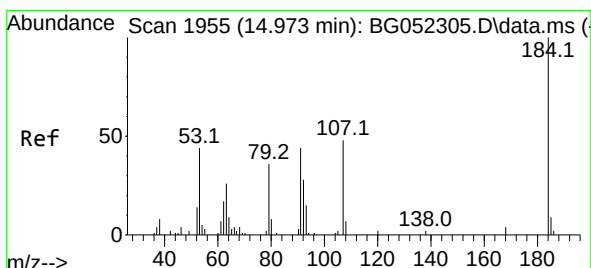
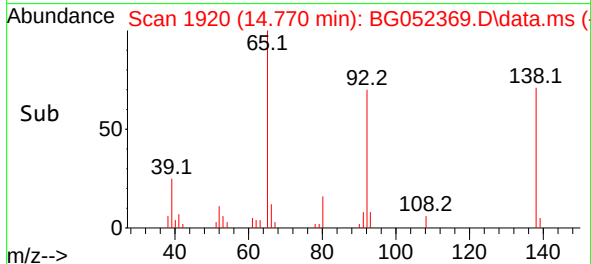
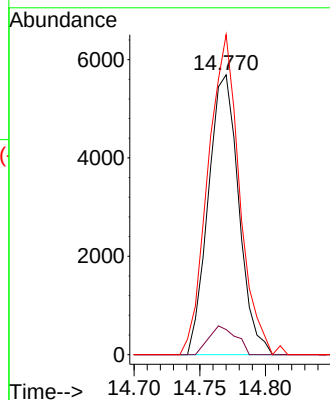
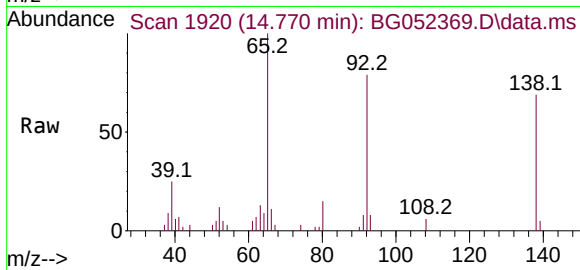




#53
3-Nitroaniline
Concen: 7.773 ng
RT: 14.770 min Scan# 1920
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

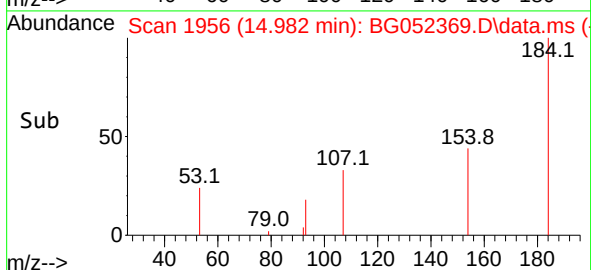
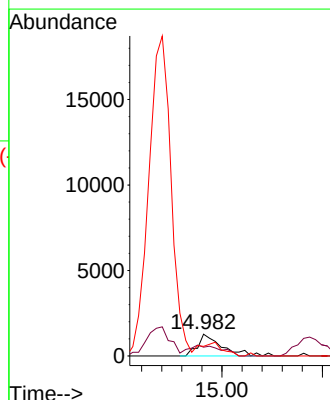
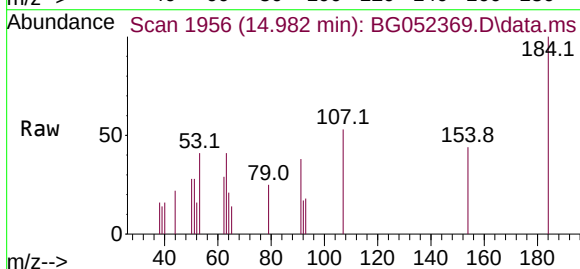
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

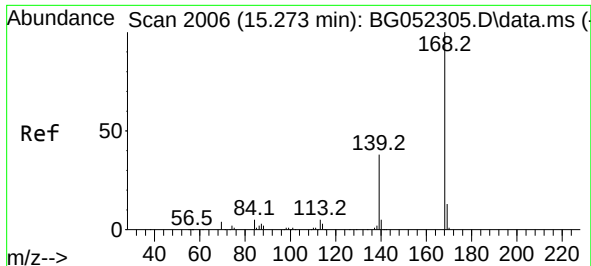
Tgt Ion:138 Resp: 9185
Ion Ratio Lower Upper
138 100
108 9.0 7.8 11.8
92 114.3 100.4 150.6



#54
2,4-Dinitrophenol
Concen: 3.502 ng
RT: 14.982 min Scan# 1956
Delta R.T. 0.009 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:184 Resp: 2159
Ion Ratio Lower Upper
184 100
63 40.7 56.0 84.0#
154 44.0 50.2 75.2#

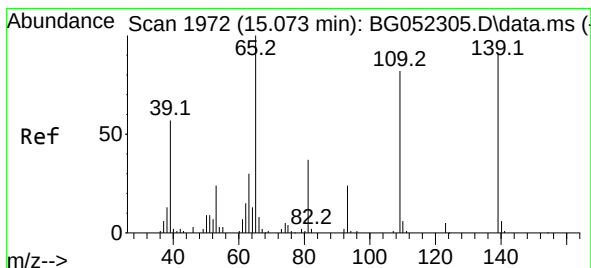
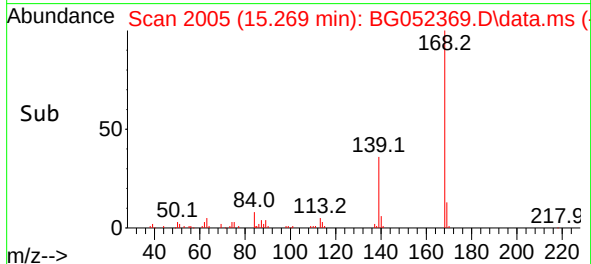
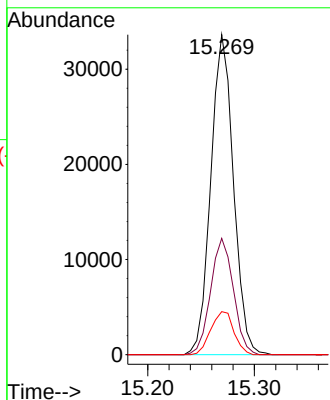
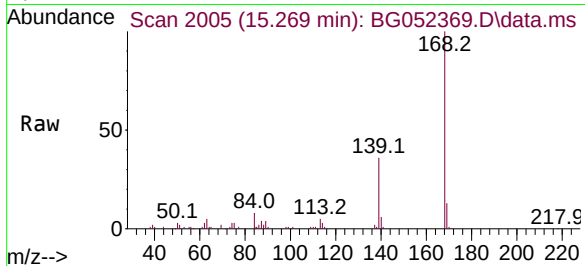




#55
Dibenzenofuran
Concen: 7.616 ng
RT: 15.269 min Scan# 2006
Delta R.T. -0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

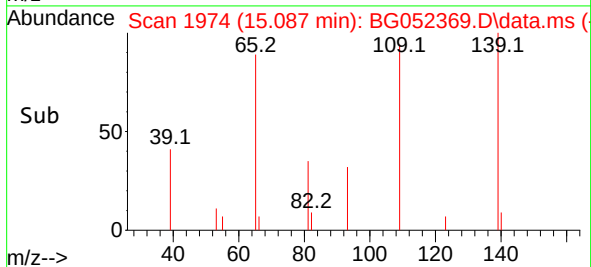
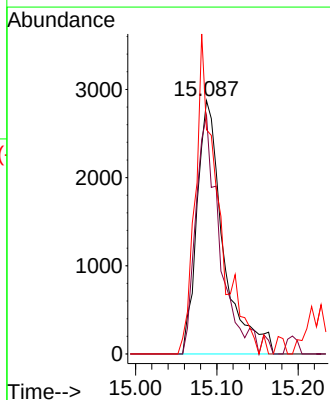
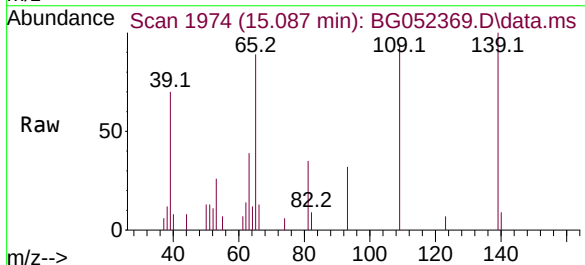
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

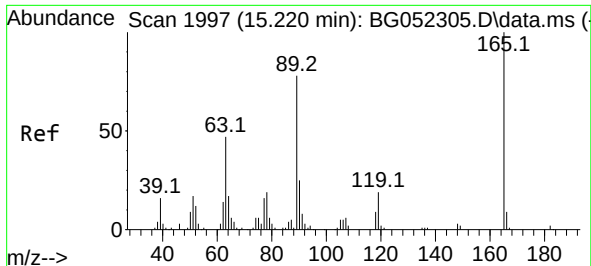
Tgt Ion:168 Resp: 49611
Ion Ratio Lower Upper
168 100
139 36.3 30.7 46.1
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 7.275 ng
RT: 15.087 min Scan# 1974
Delta R.T. 0.014 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:139 Resp: 6456
Ion Ratio Lower Upper
139 100
109 94.3 84.9 124.9
65 88.5 109.9 149.9#





#57

2,4-Dinitrotoluene

Concen: 7.970 ng

RT: 15.222 min Scan# 1997

Delta R.T. 0.003 min

Lab File: BG052369.D

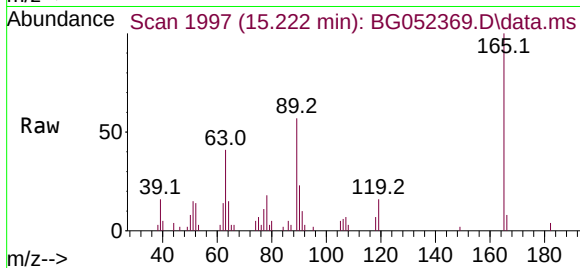
Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:165 Resp: 12896

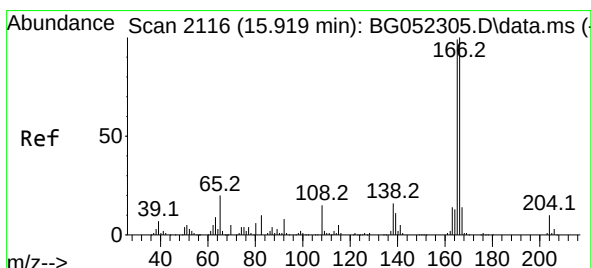
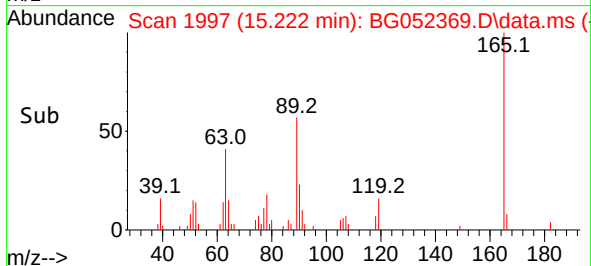
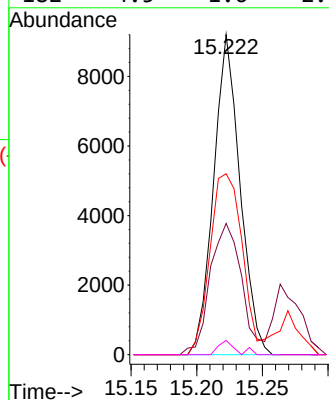
Ion Ratio Lower Upper

165 100

63 41.0 44.6 66.8#

89 56.5 67.4 101.0#

182 4.5 1.6 2.4#



#58

Fluorene

Concen: 8.112 ng

RT: 15.921 min Scan# 2116

Delta R.T. 0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

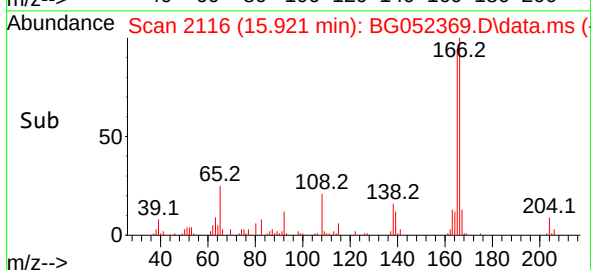
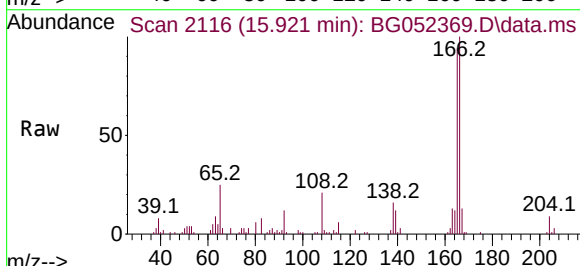
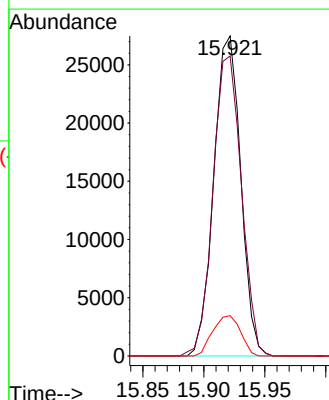
Tgt Ion:166 Resp: 42184

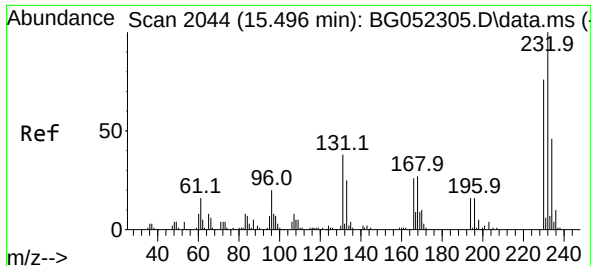
Ion Ratio Lower Upper

166 100

165 93.8 80.0 120.0

167 12.6 11.1 16.7

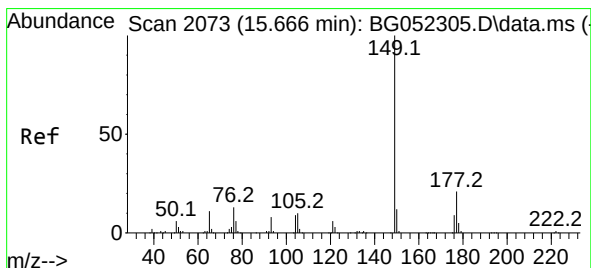
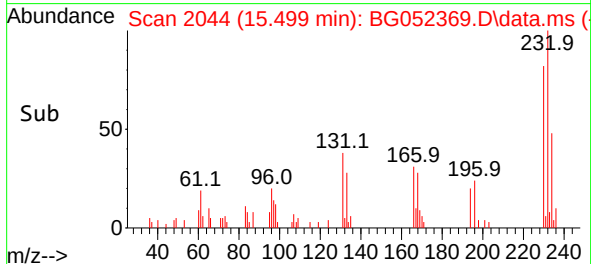
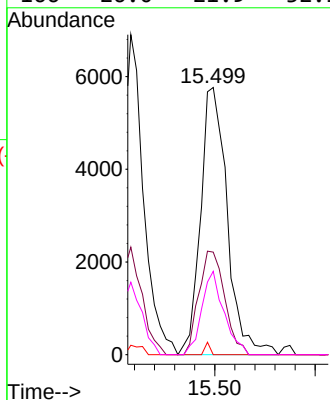
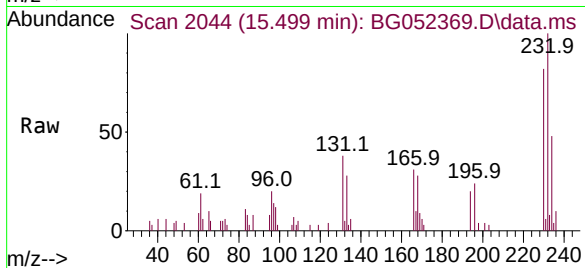




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.959 ng
RT: 15.499 min Scan# 2044
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

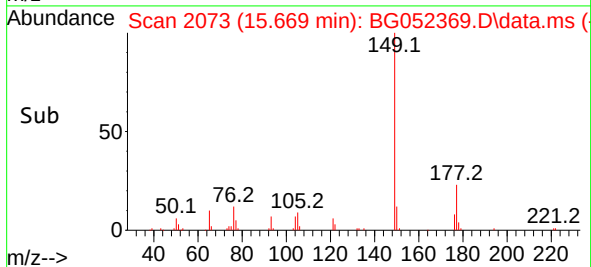
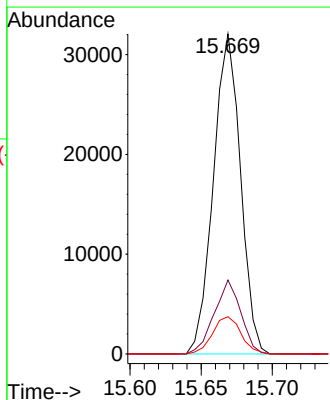
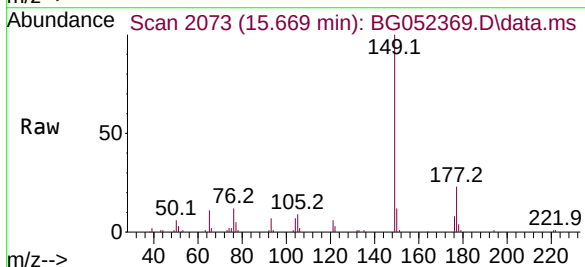
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

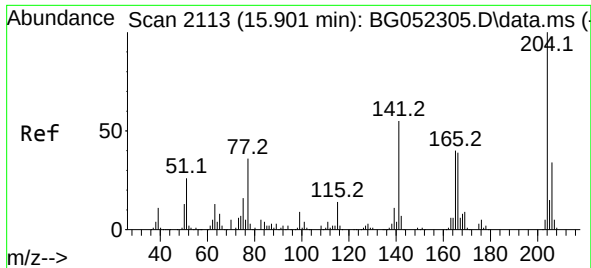
Tgt Ion:	232	Resp:	10659
Ion Ratio	Lower	Upper	
232	100		
131	37.6	32.2	48.4
130	0.9	2.2	3.4#
166	26.0	21.9	32.9



#60
Diethylphthalate
Concen: 7.974 ng
RT: 15.669 min Scan# 2073
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:	149	Resp:	42436
Ion Ratio	Lower	Upper	
149	100		
177	23.1	17.8	26.6
150	11.7	9.2	13.8

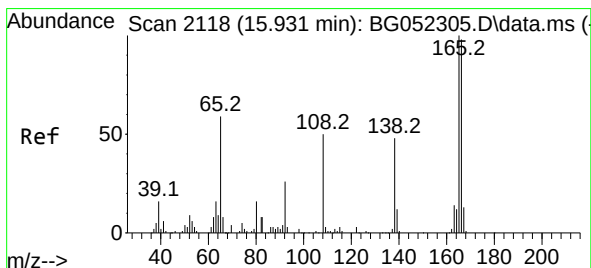
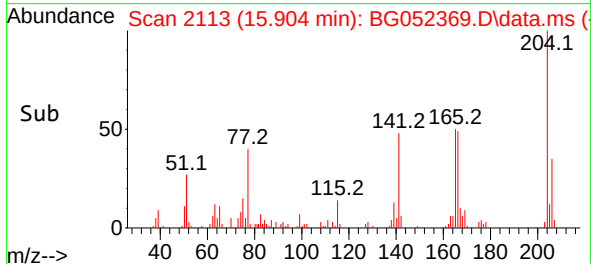
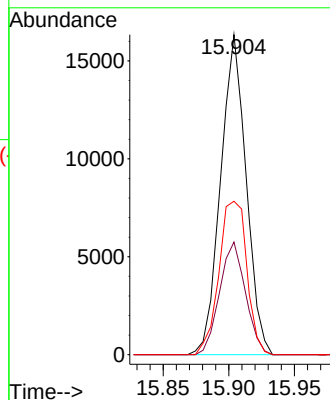
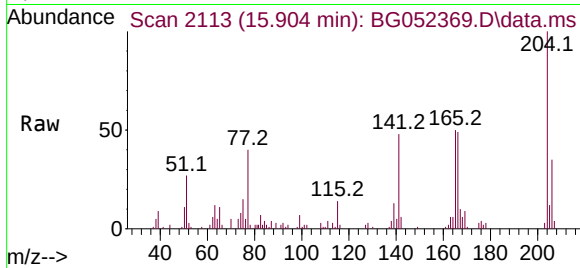




#61
4-Chlorophenyl-phenylether
Concen: 7.448 ng
RT: 15.904 min Scan# 2113
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

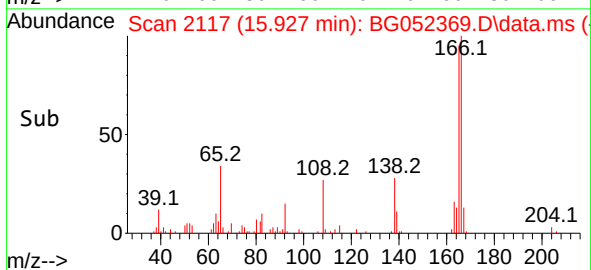
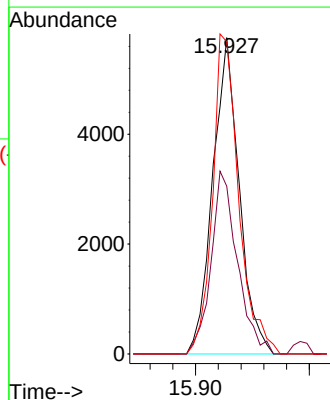
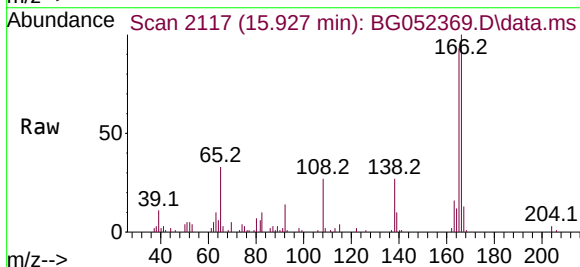
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

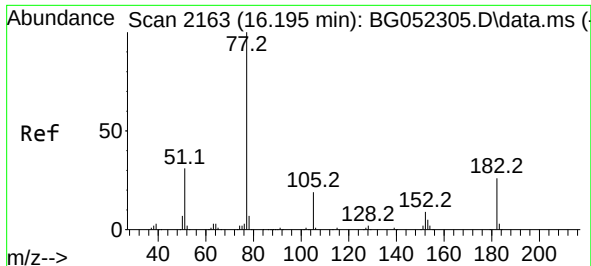
Tgt Ion:204 Resp: 22064
Ion Ratio Lower Upper
204 100
206 35.2 28.4 42.6
141 47.9 41.8 62.6



#62
4-Nitroaniline
Concen: 7.466 ng
RT: 15.927 min Scan# 2117
Delta R.T. -0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:138 Resp: 9288
Ion Ratio Lower Upper
138 100
92 53.0 35.5 75.5
108 98.7 96.4 136.4

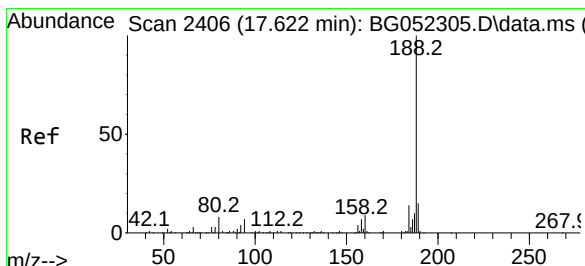
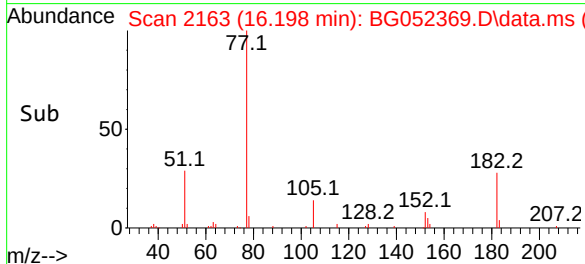
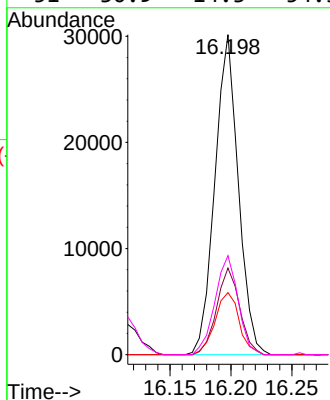
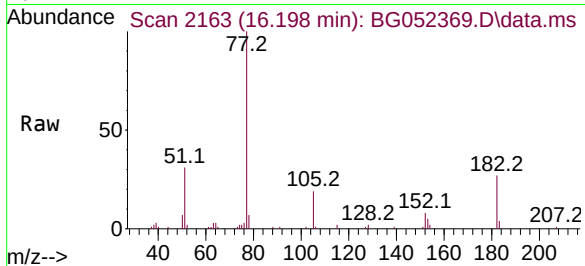




#63
Azobenzene
Concen: 7.401 ng
RT: 16.198 min Scan# 2163
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

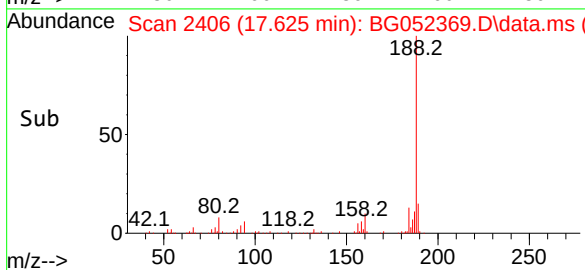
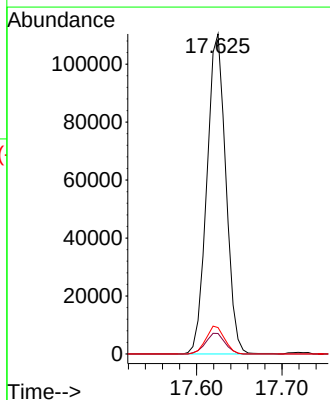
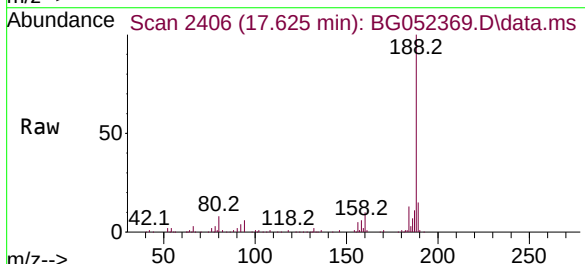
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

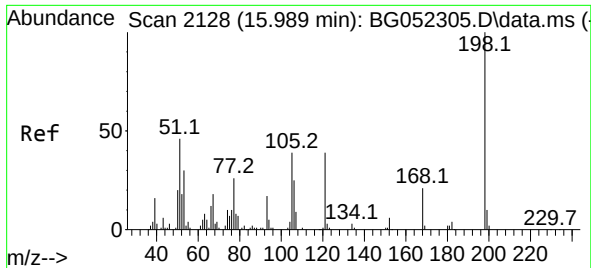
Tgt Ion: 77	Resp: 40324
Ion Ratio	Lower Upper
77 100	
182 27.0	4.1 44.1
105 19.4	0.0 37.5
51 30.9	14.3 54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.625 min Scan# 2406
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 188	Resp: 170121
Ion Ratio	Lower Upper
188 100	
94 6.4	5.9 8.9
80 8.3	6.6 10.0

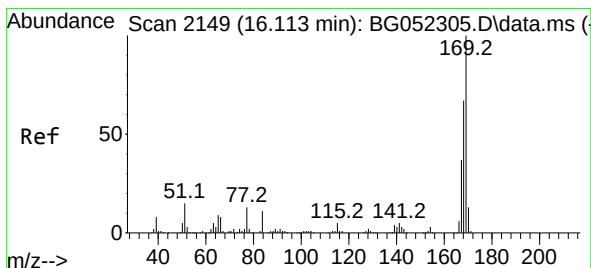
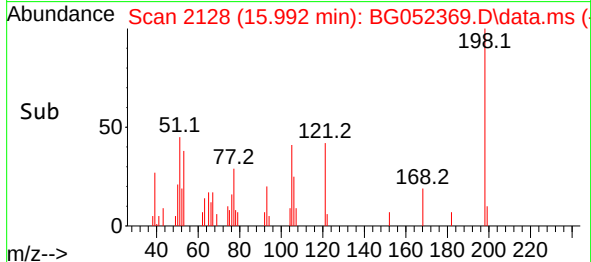
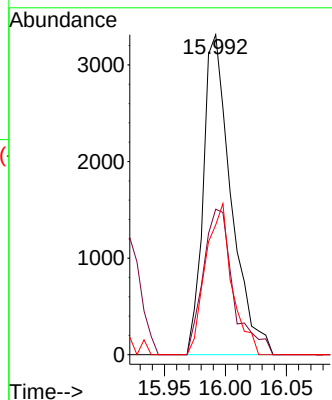
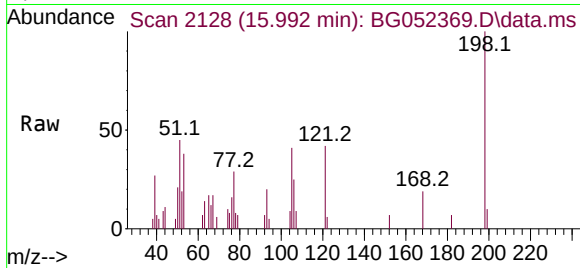




#65
4,6-Dinitro-2-methylphenol
Concen: 5.131 ng
RT: 15.992 min Scan# 2128
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

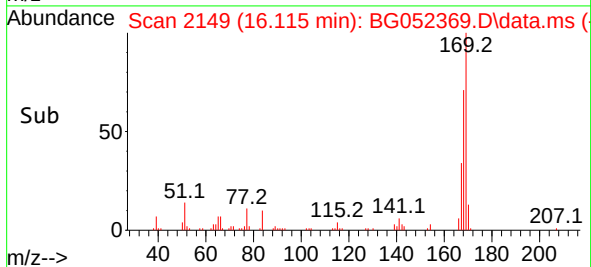
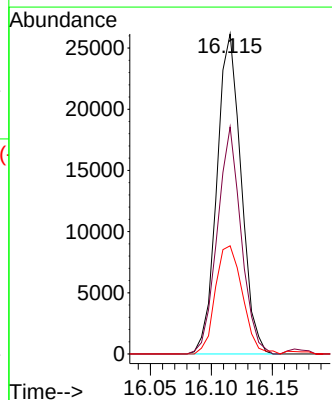
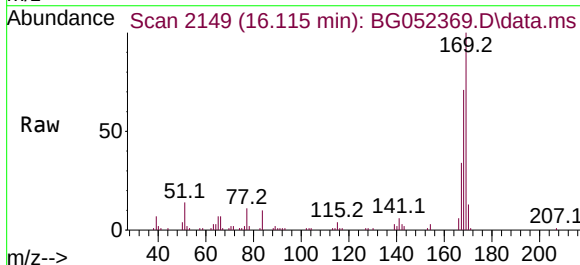
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

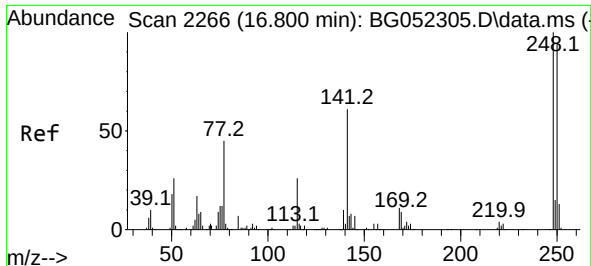
Tgt Ion:198 Resp: 5251
Ion Ratio Lower Upper
198 100
51 45.5 31.6 71.6
105 40.6 22.3 62.3



#66
n-Nitrosodiphenylamine
Concen: 7.721 ng
RT: 16.115 min Scan# 2149
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:169 Resp: 36192
Ion Ratio Lower Upper
169 100
168 70.9 57.4 86.0
167 33.8 29.5 44.3

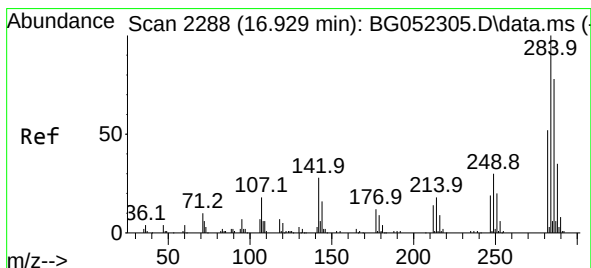
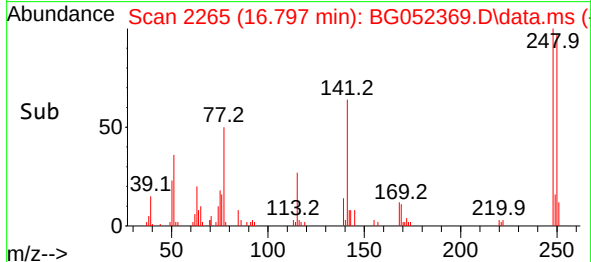
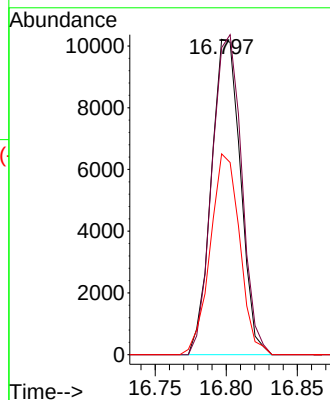
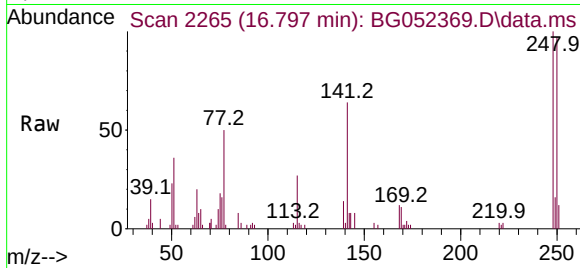




#67
4-Bromophenyl-phenylether
Concen: 7.040 ng
RT: 16.797 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

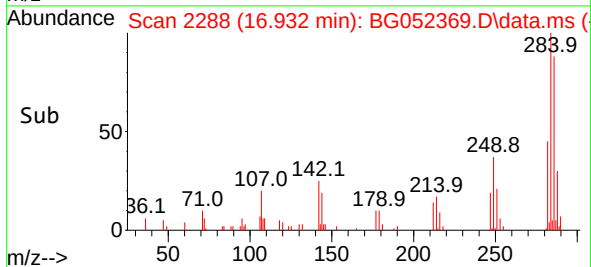
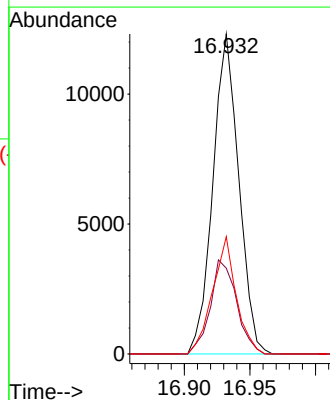
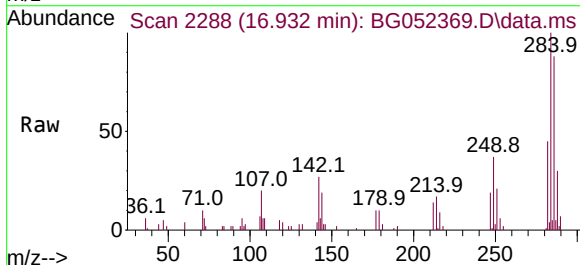
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

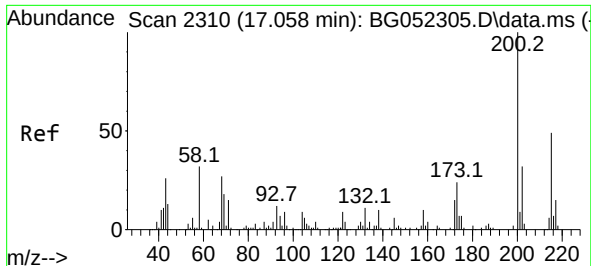
Tgt Ion:248	Resp:	14565
Ion Ratio	Lower	Upper
248	100	
250	97.4	79.6 119.4
141	63.7	54.6 81.8



#68
Hexachlorobenzene
Concen: 7.507 ng
RT: 16.932 min Scan# 2288
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:284	Resp:	16844
Ion Ratio	Lower	Upper
284	100	
142	26.8	26.2 39.2
249	36.6	26.9 40.3

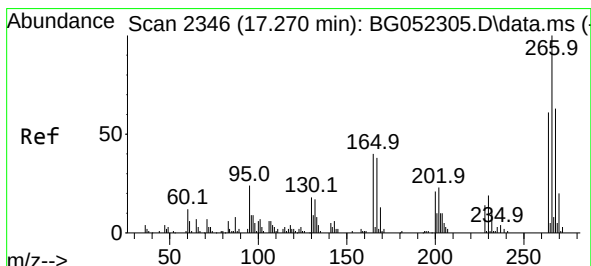
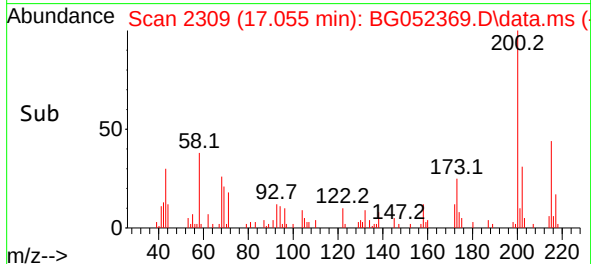
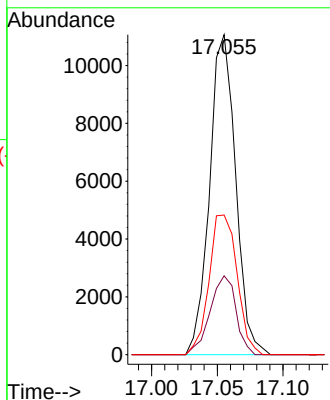
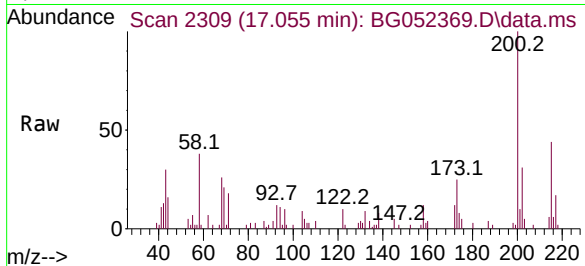




#69
 Atrazine
 Concen: 8.060 ng
 RT: 17.055 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG052369.D
 Acq: 11 Feb 2022 12:34

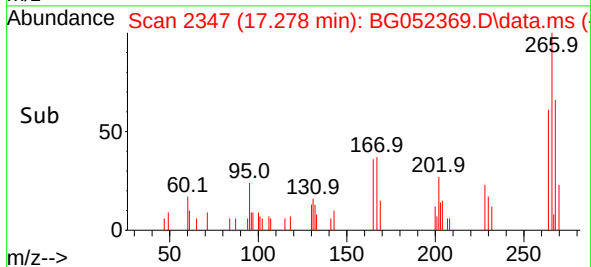
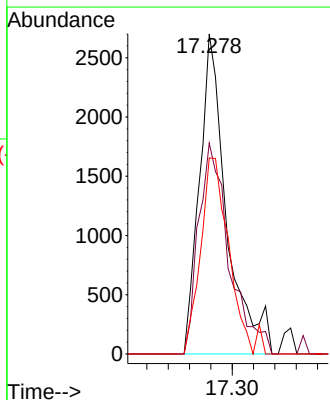
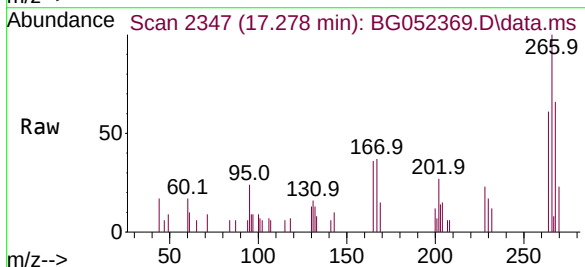
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

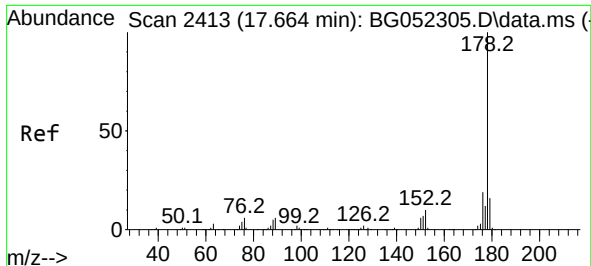
Tgt Ion:200 Resp: 15273
 Ion Ratio Lower Upper
 200 100
 173 24.6 3.3 43.3
 215 43.6 24.4 64.4



#70
 Pentachlorophenol
 Concen: 4.352 ng
 RT: 17.278 min Scan# 2347
 Delta R.T. 0.009 min
 Lab File: BG052369.D
 Acq: 11 Feb 2022 12:34

Tgt Ion:266 Resp: 4778
 Ion Ratio Lower Upper
 266 100
 268 65.9 50.6 75.8
 264 61.3 52.2 78.2

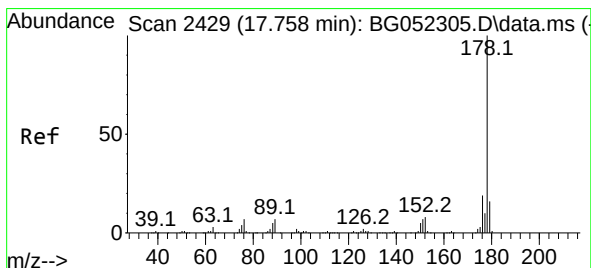
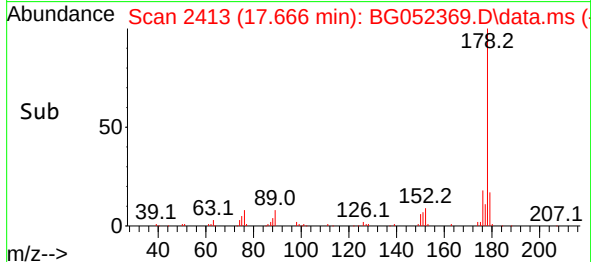
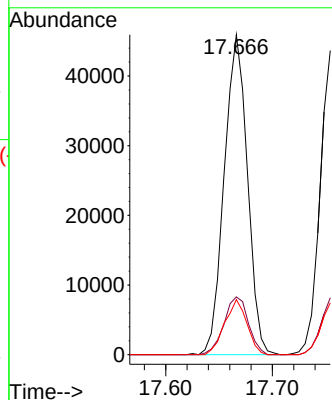
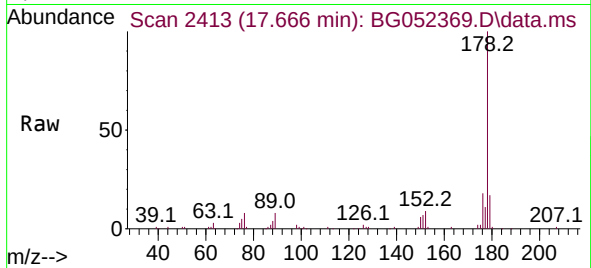




#71
Phenanthrene
Concen: 7.907 ng
RT: 17.666 min Scan# 2413
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

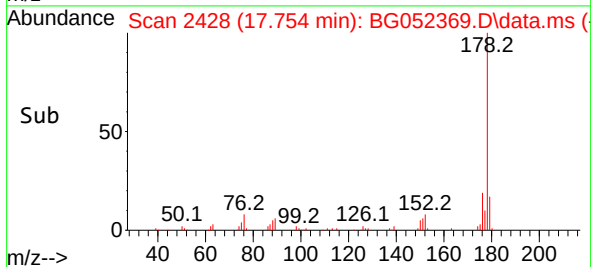
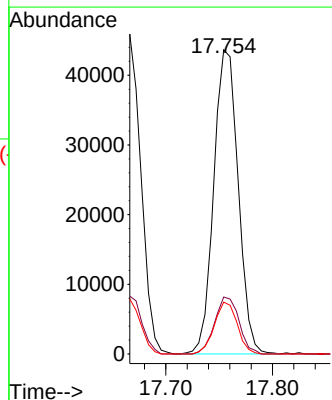
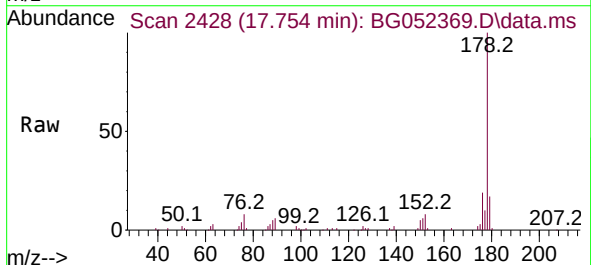
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

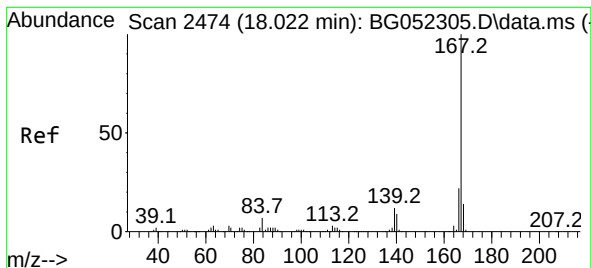
Tgt Ion:178 Resp: 69346
Ion Ratio Lower Upper
178 100
176 18.1 16.6 25.0
179 17.2 12.6 18.8



#72
Anthracene
Concen: 8.078 ng
RT: 17.754 min Scan# 2428
Delta R.T. -0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:178 Resp: 69421
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 17.1 13.1 19.7





#73

Carbazole

Concen: 7.862 ng

RT: 18.025 min Scan# 2474

Delta R.T. 0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

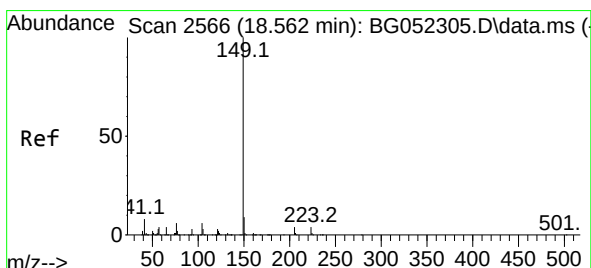
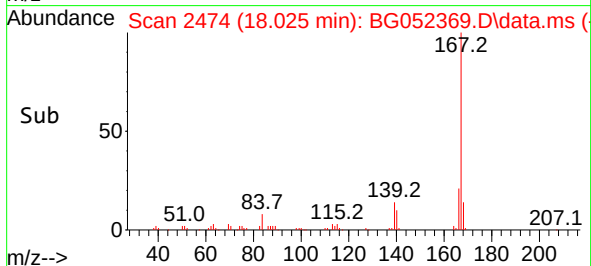
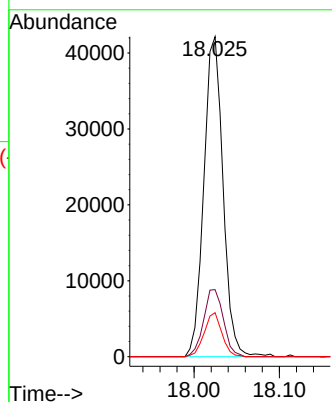
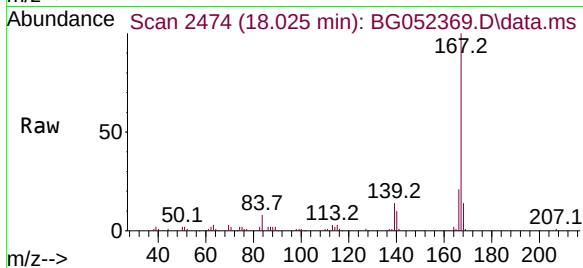
Tgt Ion:167 Resp: 65899

Ion Ratio Lower Upper

167 100

166 21.0 17.8 26.6

139 13.8 10.6 16.0



#74

Di-n-butylphthalate

Concen: 8.099 ng

RT: 18.565 min Scan# 2566

Delta R.T. 0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

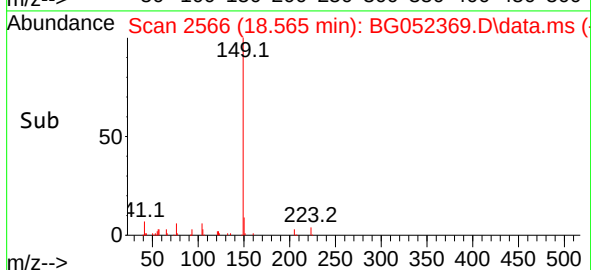
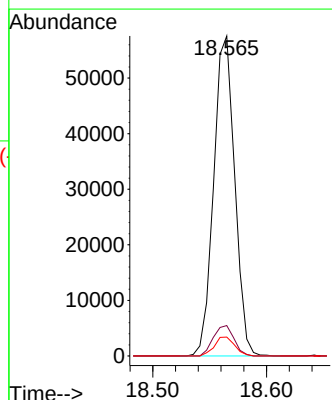
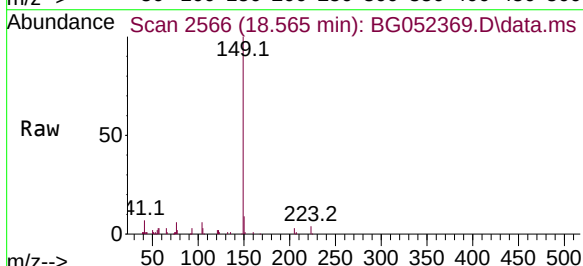
Tgt Ion:149 Resp: 73963

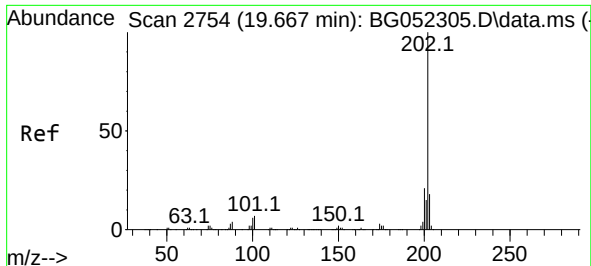
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

104 5.9 5.4 8.2

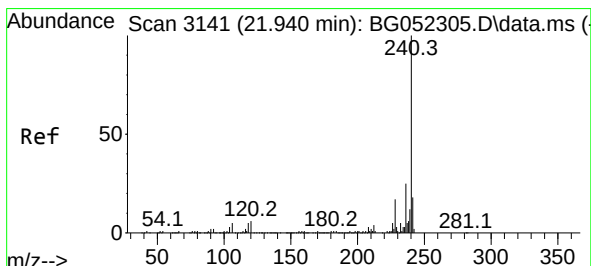
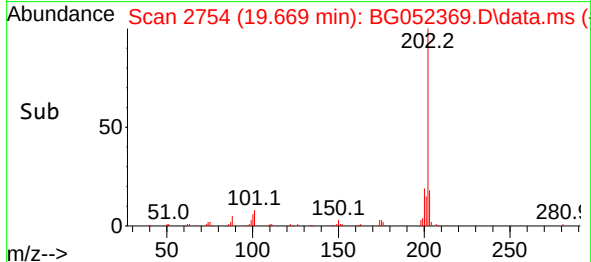
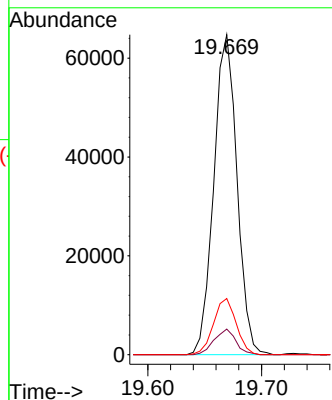
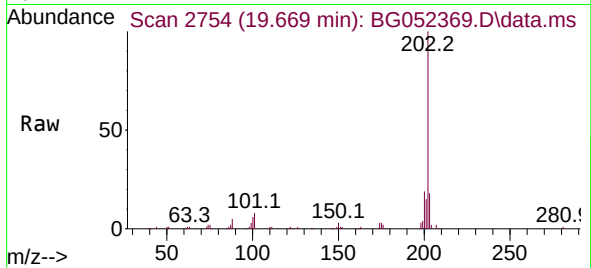




#75
Fluoranthene
Concen: 8.214 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

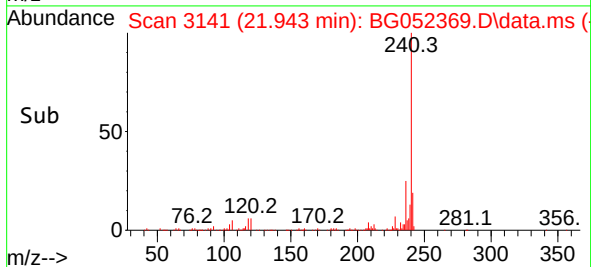
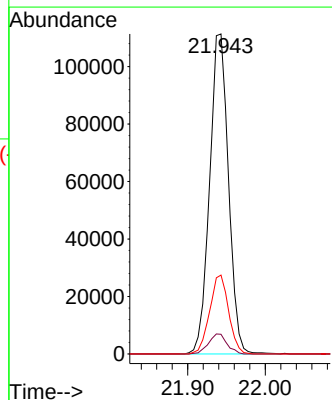
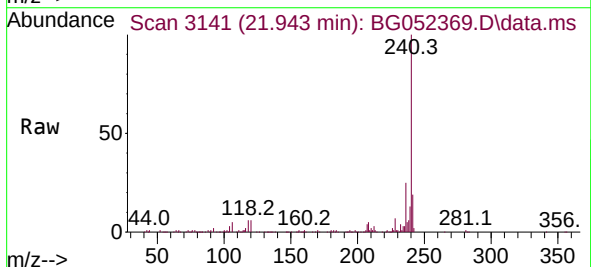
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

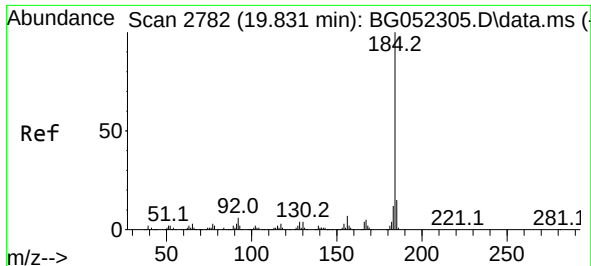
Tgt Ion:202 Resp: 91729
Ion Ratio Lower Upper
202 100
101 8.0 0.0 27.1
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.943 min Scan# 3141
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:240 Resp: 188051
Ion Ratio Lower Upper
240 100
120 6.1 4.4 6.6
236 24.7 20.8 31.2

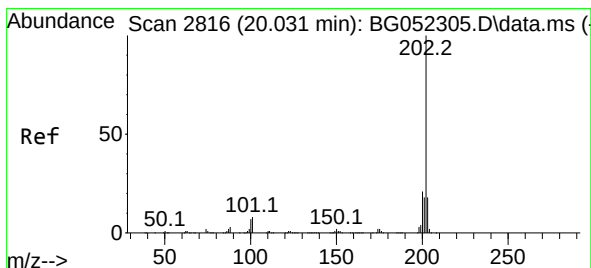
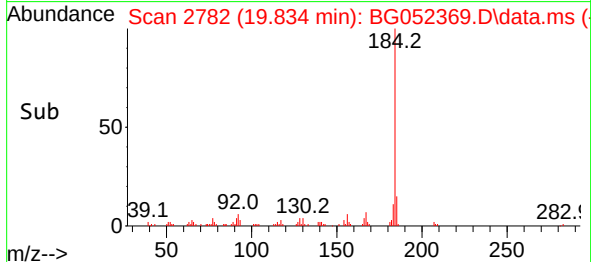
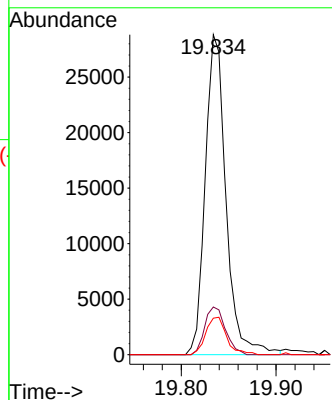
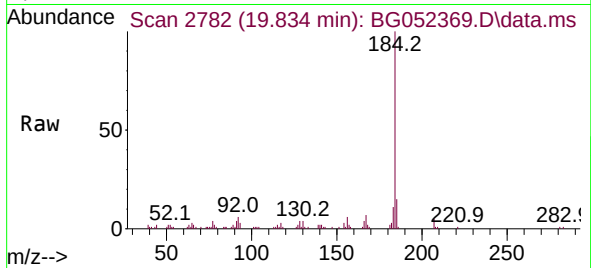




#77
Benzidine
Concen: 10.876 ng
RT: 19.834 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

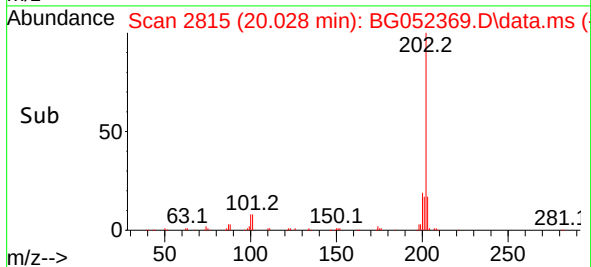
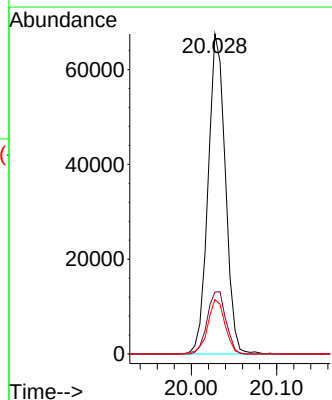
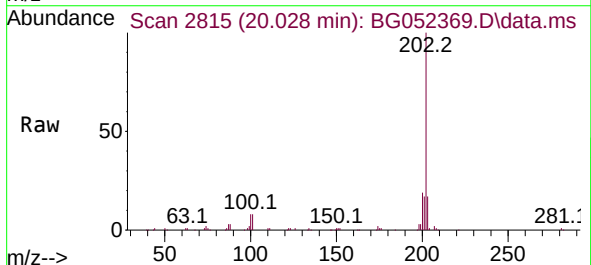
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

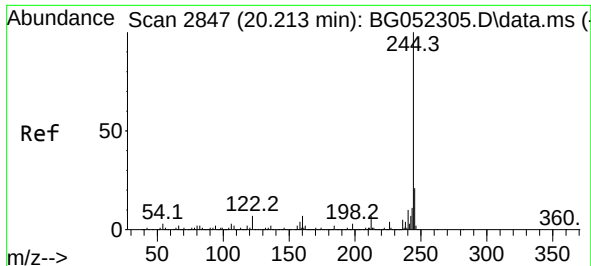
Tgt Ion:184 Resp: 43703
Ion Ratio Lower Upper
184 100
185 14.9 11.8 17.8
183 11.4 9.8 14.6



#78
Pyrene
Concen: 7.528 ng
RT: 20.028 min Scan# 2815
Delta R.T. -0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:202 Resp: 94730
Ion Ratio Lower Upper
202 100
200 19.3 17.4 26.2
203 17.0 14.5 21.7

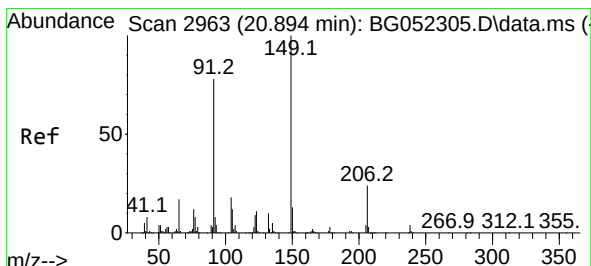
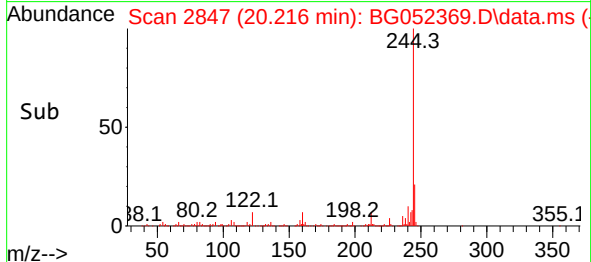
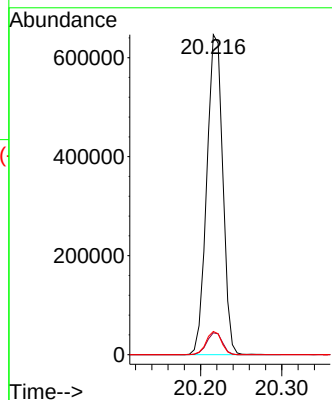
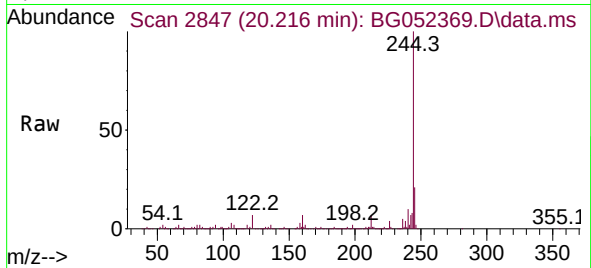




#79
 Terphenyl-d14
 Concen: 82.798 ng
 RT: 20.216 min Scan# 2847
 Delta R.T. 0.003 min
 Lab File: BG052369.D
 Acq: 11 Feb 2022 12:34

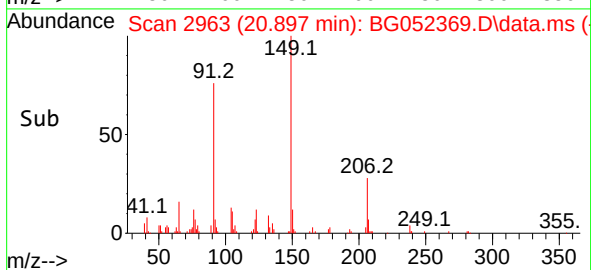
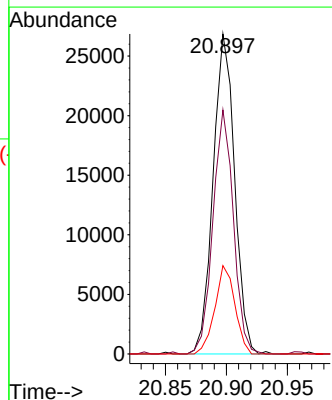
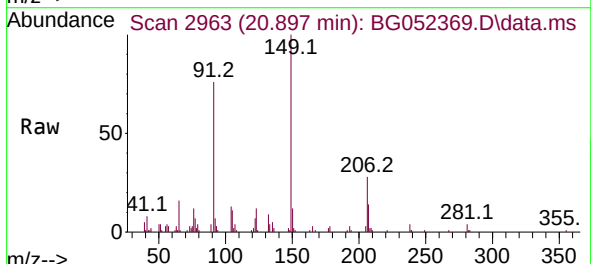
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

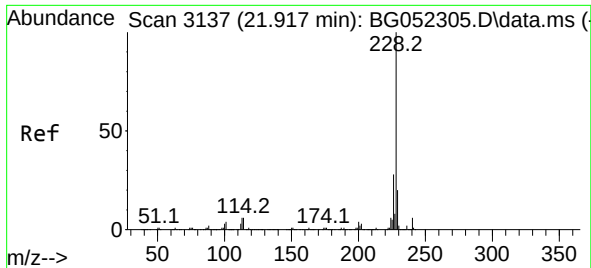
Tgt Ion:244 Resp: 881734
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 7.3 6.2 9.4



#80
 Butylbenzylphthalate
 Concen: 7.541 ng
 RT: 20.897 min Scan# 2963
 Delta R.T. 0.003 min
 Lab File: BG052369.D
 Acq: 11 Feb 2022 12:34

Tgt Ion:149 Resp: 32960
 Ion Ratio Lower Upper
 149 100
 91 76.3 64.0 96.0
 206 27.6 19.3 28.9

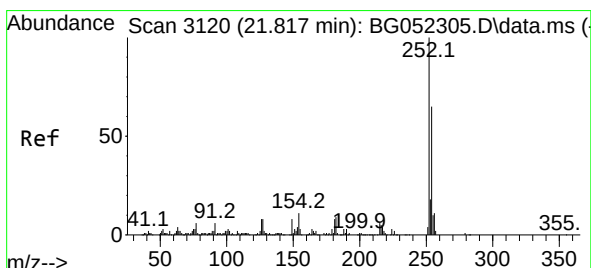
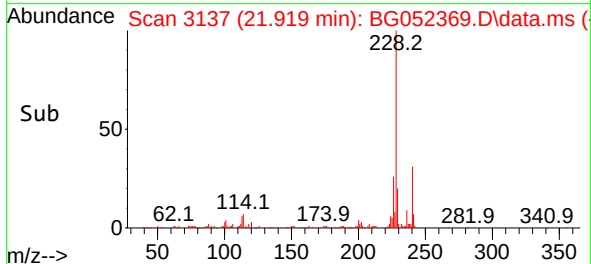
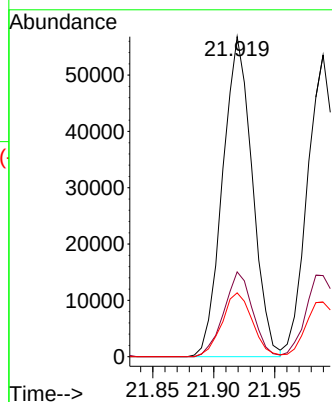
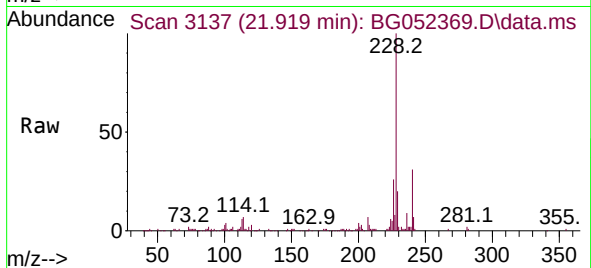




#81
Benzo(a)anthracene
Concen: 7.726 ng
RT: 21.919 min Scan# 3137
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

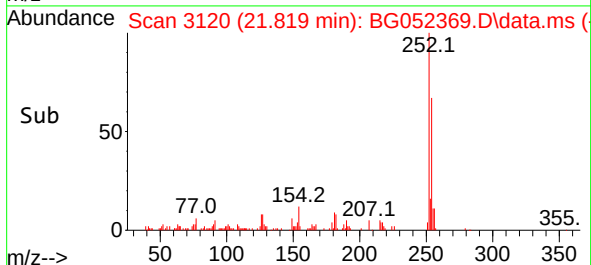
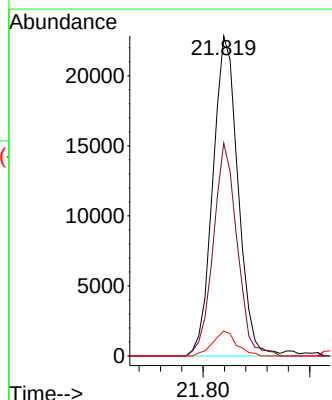
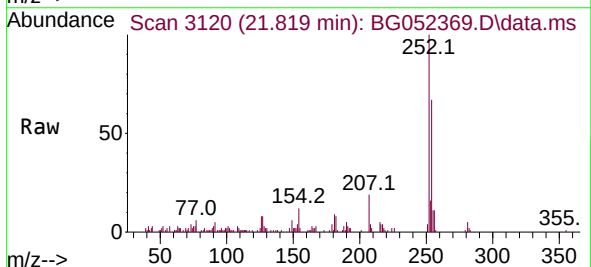
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

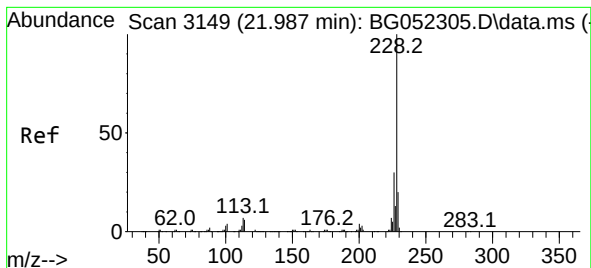
Tgt Ion:228 Resp: 96148
Ion Ratio Lower Upper
228 100
226 26.5 21.6 32.4
229 20.0 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 8.598 ng
RT: 21.819 min Scan# 3120
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:252 Resp: 37350
Ion Ratio Lower Upper
252 100
254 66.6 52.6 79.0
126 7.8 6.4 9.6





#83

Chrysene

Concen: 7.572 ng

RT: 21.990 min Scan# 3149

Delta R.T. 0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

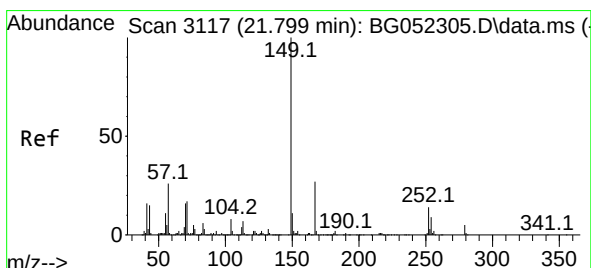
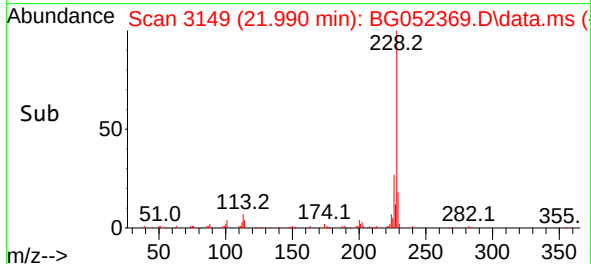
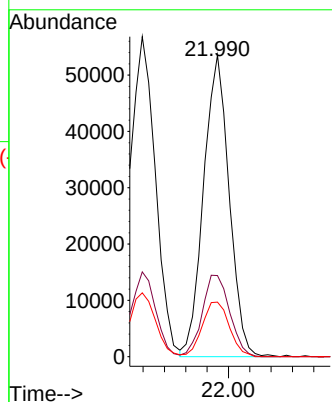
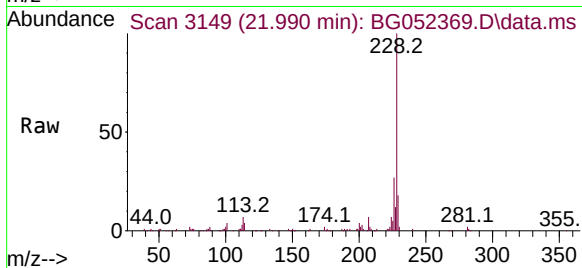
Tgt Ion:228 Resp: 89287

Ion Ratio Lower Upper

228 100

226 26.9 24.1 36.1

229 18.1 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.680 ng

RT: 21.796 min Scan# 3116

Delta R.T. -0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

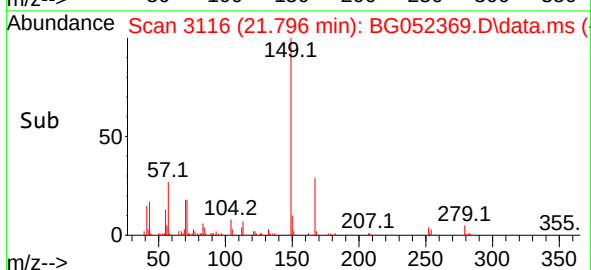
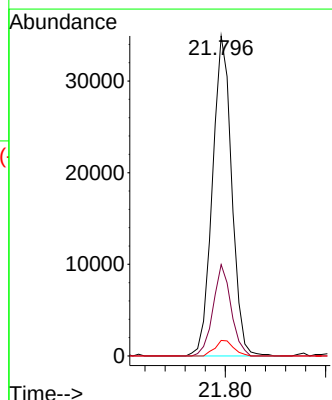
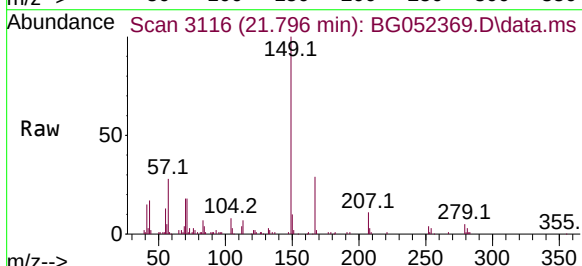
Tgt Ion:149 Resp: 46549

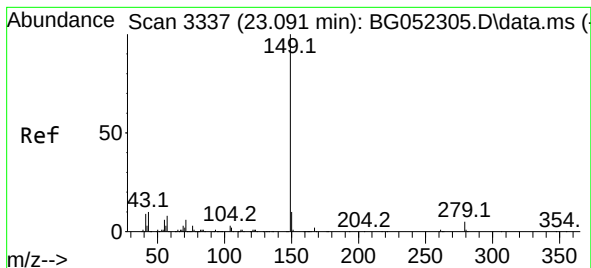
Ion Ratio Lower Upper

149 100

167 28.5 21.4 32.0

279 4.9 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 7.796 ng

RT: 23.094 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

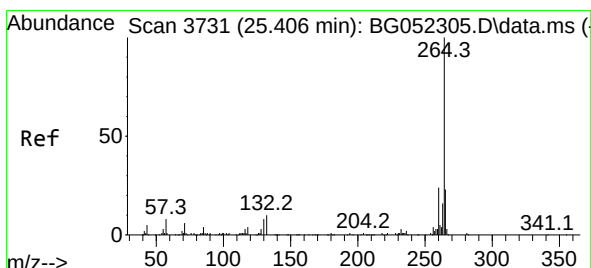
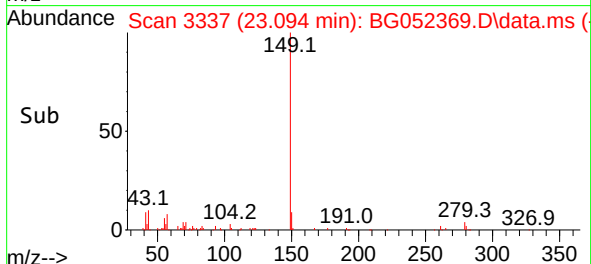
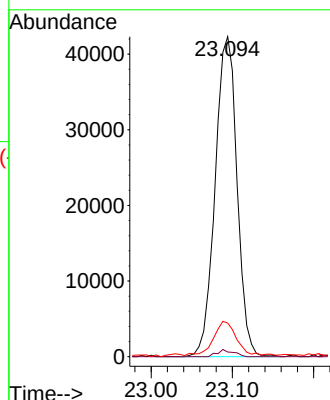
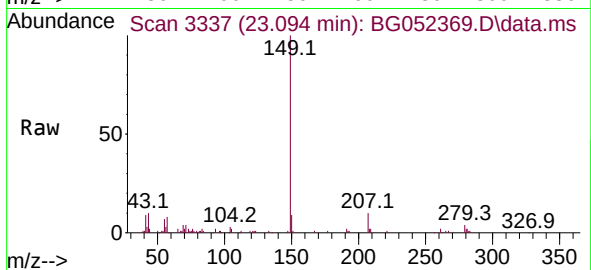
Tgt Ion:149 Resp: 79215

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 11.1 10.0 15.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.415 min Scan# 3732

Delta R.T. 0.009 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

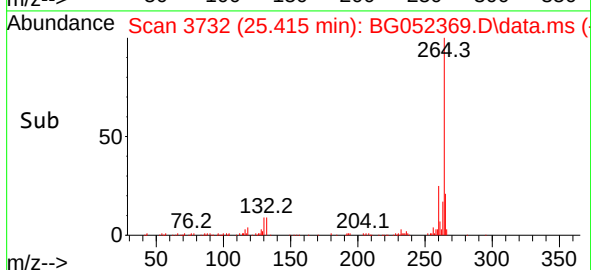
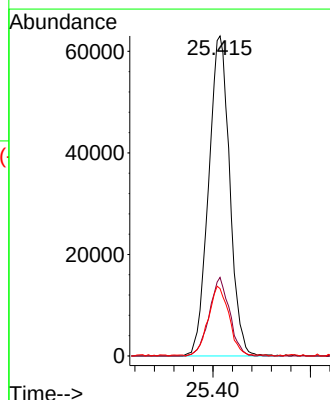
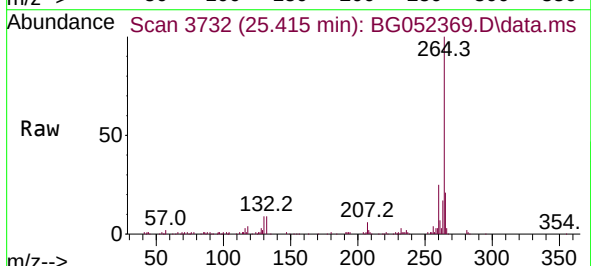
Tgt Ion:264 Resp: 188957

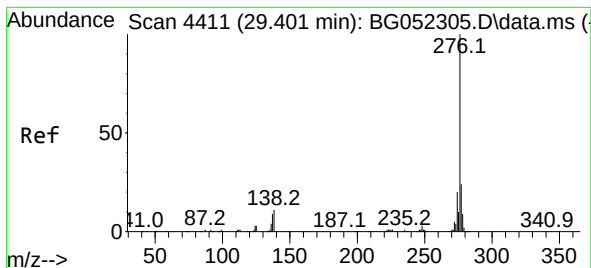
Ion Ratio Lower Upper

264 100

260 24.5 18.5 27.7

265 21.1 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.175 ng

RT: 29.409 min Scan# 4411

Delta R.T. 0.009 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

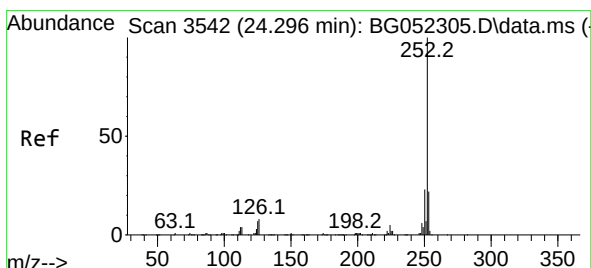
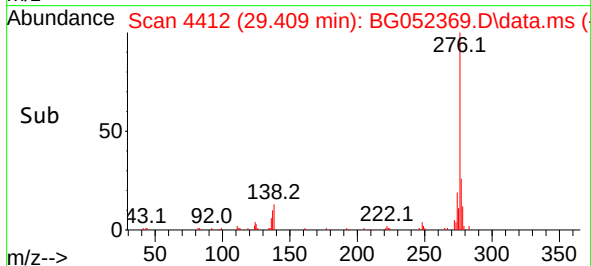
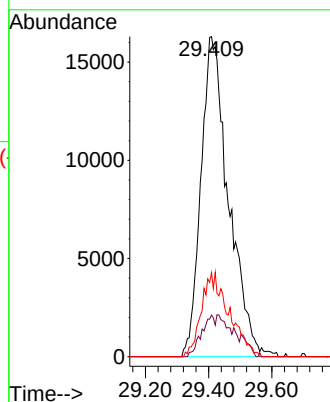
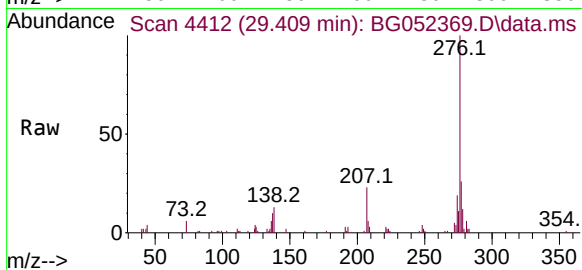
Tgt Ion:276 Resp: 99209

Ion Ratio Lower Upper

276 100

138 6.3 6.1 9.1

277 15.4 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 7.926 ng

RT: 24.298 min Scan# 3542

Delta R.T. 0.003 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

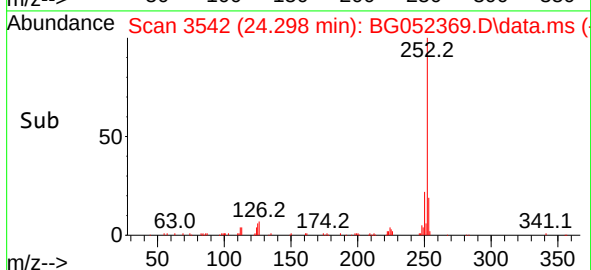
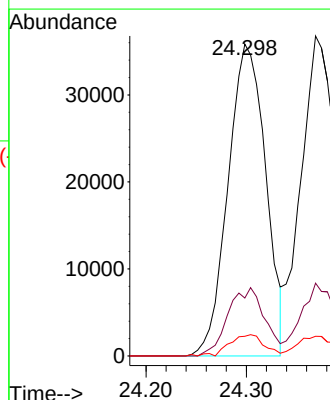
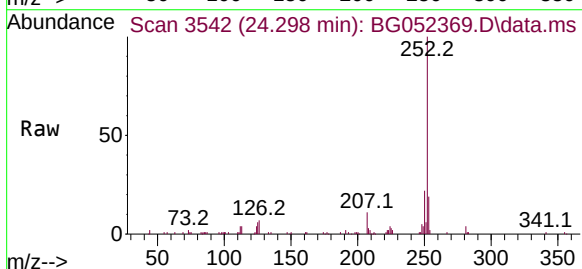
Tgt Ion:252 Resp: 93331

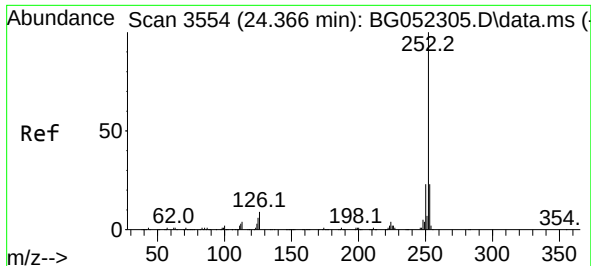
Ion Ratio Lower Upper

252 100

253 18.6 18.3 27.5

125 6.3 5.4 8.2

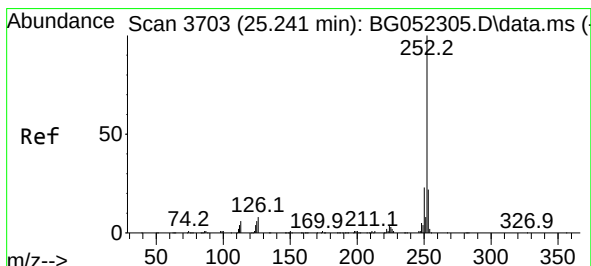
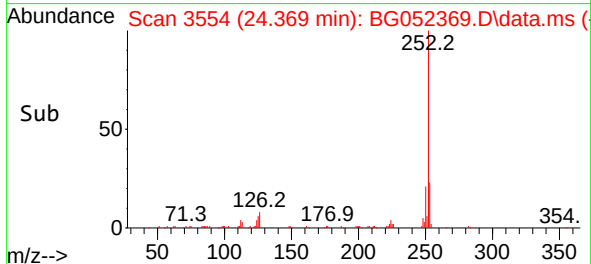
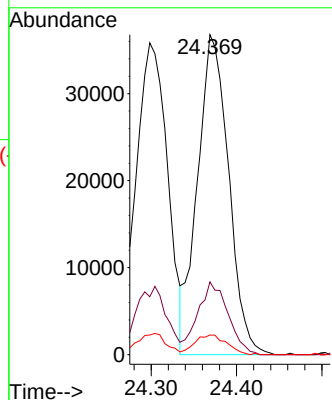
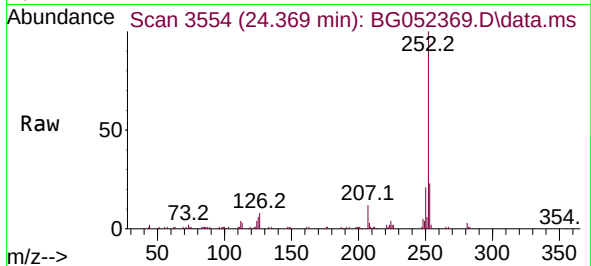




#89
Benzo(k)fluoranthene
Concen: 8.014 ng
RT: 24.369 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

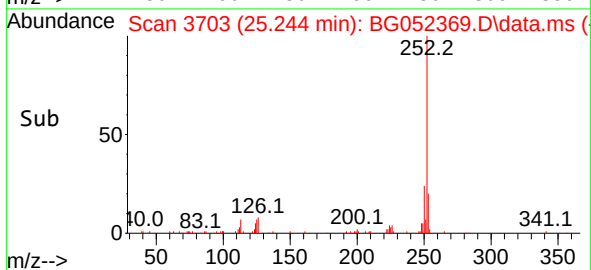
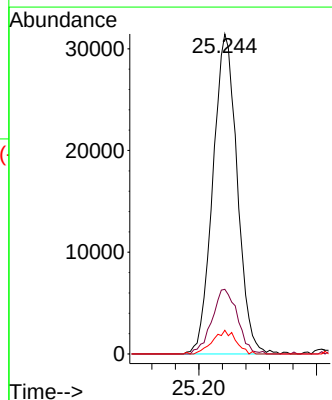
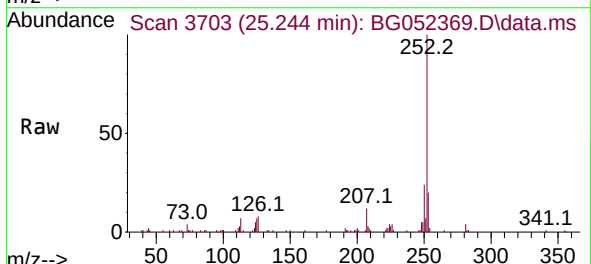
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

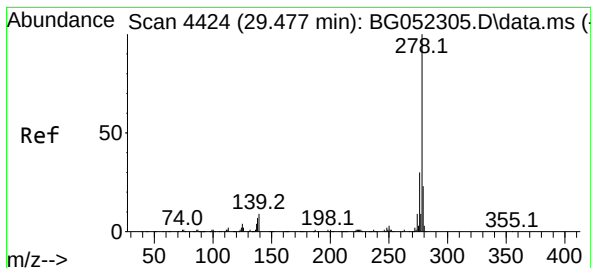
Tgt Ion:252 Resp: 93221
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 6.2 4.6 7.0



#90
Benzo(a)pyrene
Concen: 9.064 ng
RT: 25.244 min Scan# 3703
Delta R.T. 0.003 min
Lab File: BG052369.D
Acq: 11 Feb 2022 12:34

Tgt Ion:252 Resp: 90152
Ion Ratio Lower Upper
252 100
253 20.2 17.5 26.3
125 7.4 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 7.641 ng

RT: 29.485 min Scan# 4425

Delta R.T. 0.009 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

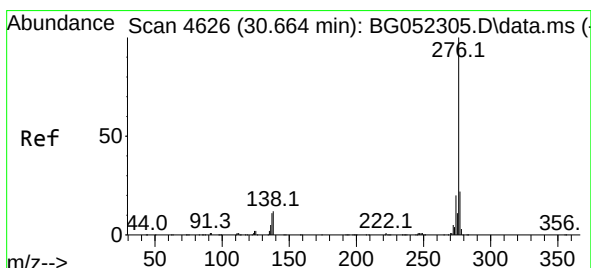
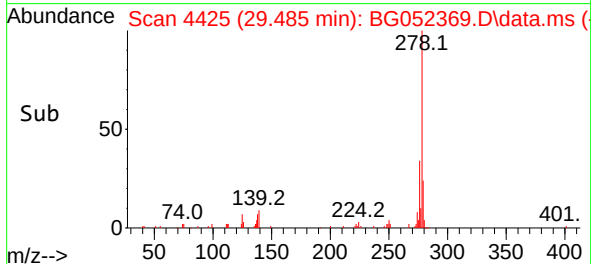
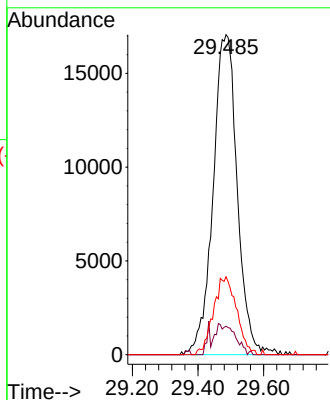
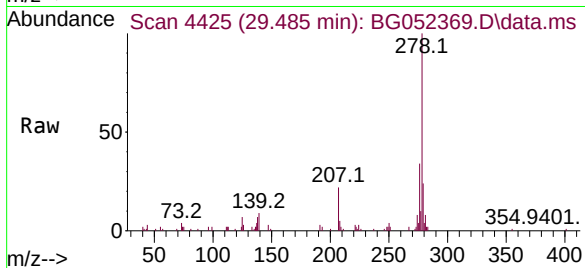
Tgt Ion:278 Resp: 87279

Ion Ratio Lower Upper

278 100

139 8.9 6.4 9.6

279 24.3 20.1 30.1



#92

Benzo(g,h,i)perylene

Concen: 7.552 ng

RT: 30.654 min Scan# 4624

Delta R.T. -0.009 min

Lab File: BG052369.D

Acq: 11 Feb 2022 12:34

Tgt Ion:276 Resp: 84659

Ion Ratio Lower Upper

276 100

277 22.5 18.2 27.2

138 9.1 9.1 13.7

