

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021422\
 Data File : BG052384.D
 Acq On : 14 Feb 2022 15:22
 Operator : CG/JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Quant Time: Feb 14 16:28:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 14 14:37:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	21500	20.000	ng	0.00
21) Naphthalene-d8	11.066	136	91885	20.000	ng	# 0.00
39) Acenaphthene-d10	14.866	164	69938	20.000	ng	0.00
64) Phenanthrene-d10	17.616	188	170103	20.000	ng	0.00
76) Chrysene-d12	21.933	240	185381	20.000	ng	# 0.00
86) Perylene-d12	25.405	264	187351	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.755	112	214589	173.953	ng	0.00
7) Phenol-d6	7.371	99	312265	164.058	ng	0.00
23) Nitrobenzene-d5	9.397	82	189017	89.404	ng	0.00
42) 2,4,6-Tribromophenol	16.359	330	167964	167.166	ng	0.00
45) 2-Fluorobiphenyl	13.492	172	464129	92.213	ng	0.00
79) Terphenyl-d14	20.212	244	963049	91.736	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.588	88	2534	4.461	ng	87
3) Pyridine	4.011	79	6353	3.856	ng	92
4) n-Nitrosodimethylamine	3.905	42	3179	3.737	ng	# 91
6) Aniline	7.535	93	9742	4.405	ng	95
8) 2-Chlorophenol	7.788	128	5516	4.065	ng	89
9) Benzaldehyde	7.347	77	6763	5.788	ng	91
10) Phenol	7.394	94	7694	4.068	ng	# 81
11) bis(2-Chloroethyl)ether	7.629	93	5968	4.129	ng	84
12) 1,3-Dichlorobenzene	8.111	146	6361m	4.114	ng	
13) 1,4-Dichlorobenzene	8.264	146	6556	4.159	ng	94
14) 1,2-Dichlorobenzene	8.587	146	6341m	4.079	ng	
15) Benzyl Alcohol	8.463	79	5820	3.684	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.751	45	8429	4.038	ng	95
17) 2-Methylphenol	8.669	107	4960	3.975	ng	# 82
18) Hexachloroethane	9.321	117	2438	4.448	ng	85
19) n-Nitroso-di-n-propyla...	9.027	70	5702	3.974	ng	# 86
20) 3+4-Methylphenols	8.992	107	7305	4.092	ng	83
22) Acetophenone	9.051	105	9943	4.094	ng	# 93
24) Nitrobenzene	9.433	77	8707	4.342	ng	99
25) Isophorone	9.961	82	15874	4.413	ng	# 92
26) 2-Nitrophenol	10.161	139	3217	3.785	ng	94
27) 2,4-Dimethylphenol	10.214	122	5719	4.544	ng	85
28) bis(2-Chloroethoxy)met...	10.443	93	8217	4.025	ng	98
29) 2,4-Dichlorophenol	10.713	162	5792	3.840	ng	95
30) 1,2,4-Trichlorobenzene	10.919	180	7453	4.231	ng	92
31) Naphthalene	11.113	128	21324	4.427	ng	# 94
32) Benzoic acid	10.367	122	637	0.862	ng	# 32
33) 4-Chloroaniline	11.213	127	8221	4.088	ng	# 88
34) Hexachlorobutadiene	11.401	225	4870	4.094	ng	93
35) Caprolactam	11.947	113	2041	3.713	ng	# 70
36) 4-Chloro-3-methylphenol	12.329	107	6801	3.963	ng	96
37) 2-Methylnaphthalene	12.711	142	15337	4.287	ng	97
38) 1-Methylnaphthalene	12.928	142	14653m	4.227	ng	
40) 1,2,4,5-Tetrachloroben...	13.075	216	9276	4.032	ng	97
41) Hexachlorocyclopentadiene	13.057	237	1726	1.777	ng	74
43) 2,4,6-Trichlorophenol	13.304	196	5007	3.328	ng	93

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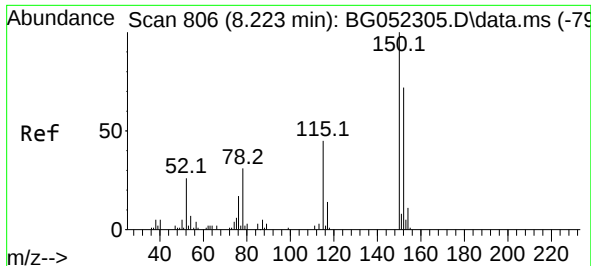
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.392	196	5534	3.394	ng	# 94
46) 1,1'-Biphenyl	13.703	154	22573	4.402	ng	98
47) 2-Chloronaphthalene	13.750	162	16688	4.224	ng	97
48) 2-Nitroaniline	13.944	65	4800	3.412	ng	# 82
49) Acenaphthylene	14.590	152	27426	4.264	ng	# 92
50) Dimethylphthalate	14.303	163	21200	3.957	ng	99
51) 2,6-Dinitrotoluene	14.426	165	4338	3.752	ng	92
52) Acenaphthene	14.931	154	16124	3.828	ng	94
53) 3-Nitroaniline	14.761	138	4309	3.586	ng	# 86
54) 2,4-Dinitrophenol	14.984	184	342	0.546	ng	# 82
55) Dibenzofuran	15.266	168	27541	4.158	ng	97
56) 4-Nitrophenol	15.090	139	2860	3.169	ng	# 72
57) 2,4-Dinitrotoluene	15.213	165	6524	3.965	ng	# 81
58) Fluorene	15.912	166	22154	4.189	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.489	232	5488	3.524	ng	# 89
60) Diethylphthalate	15.665	149	21160	3.910	ng	99
61) 4-Chlorophenyl-phenyle...	15.900	204	11860	3.937	ng	91
62) 4-Nitroaniline	15.918	138	4748	3.753	ng	# 66
63) Azobenzene	16.194	77	22160	4.000	ng	91
65) 4,6-Dinitro-2-methylph...	15.994	198	2035	1.989	ng	90
66) n-Nitrosodiphenylamine	16.112	169	19368	4.132	ng	94
67) 4-Bromophenyl-phenylether	16.799	248	7638	3.692	ng	92
68) Hexachlorobenzene	16.928	284	9248	4.122	ng	# 88
69) Atrazine	17.046	200	7442	3.928	ng	97
70) Pentachlorophenol	17.275	266	1747	1.592	ng	# 90
71) Phenanthrene	17.663	178	37320m	4.256	ng	
72) Anthracene	17.751	178	36650	4.265	ng	97
73) Carbazole	18.021	167	34148	4.075	ng	99
74) Di-n-butylphthalate	18.561	149	37741	4.133	ng	97
75) Fluoranthene	19.666	202	47803	4.281	ng	97
77) Benzidine	19.830	184	20373	5.143	ng	96
78) Pyrene	20.024	202	51331	4.138	ng	97
80) Butylbenzylphthalate	20.894	149	17032	3.953	ng	89
81) Benzo(a)anthracene	21.916	228	51227	4.176	ng	99
82) 3,3'-Dichlorobenzidine	21.816	252	18018	4.207	ng	97
83) Chrysene	21.986	228	47889	4.120	ng	98
84) Bis(2-ethylhexyl)phtha...	21.792	149	23859	3.993	ng	# 93
85) Di-n-octyl phthalate	23.079	149	39573	3.951	ng	100
87) Indeno(1,2,3-cd)pyrene	29.394	276	52377	3.820	ng	# 98
88) Benzo(b)fluoranthene	24.295	252	47423	4.062	ng	95
89) Benzo(k)fluoranthene	24.359	252	50407m	4.371	ng	
90) Benzo(a)pyrene	25.235	252	46478	4.713	ng	97
91) Dibenzo(a,h)anthracene	29.464	278	45405	4.009	ng	98
92) Benzo(g,h,i)perylene	30.651	276	44508	4.004	ng	# 92

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

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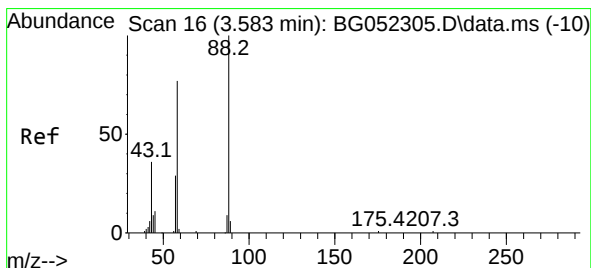
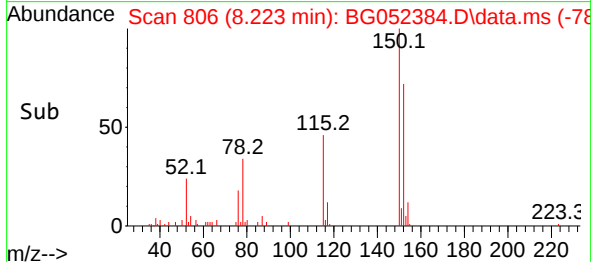
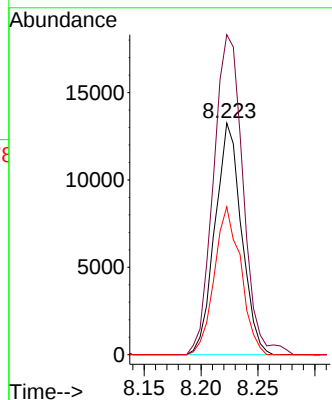
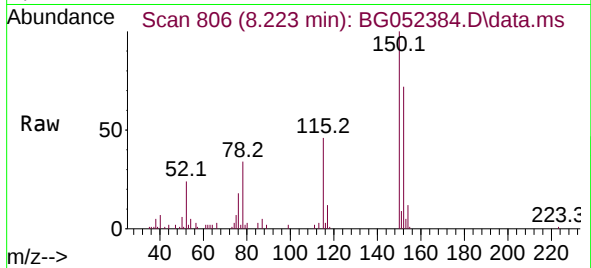




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 80
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

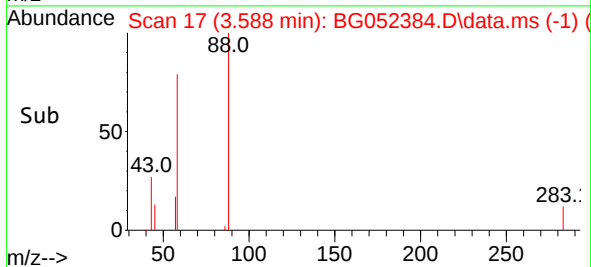
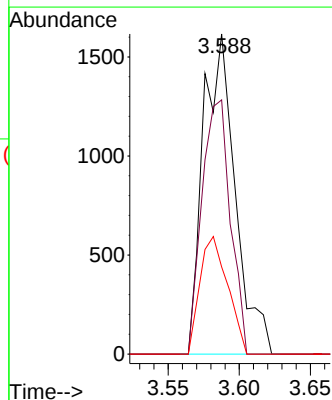
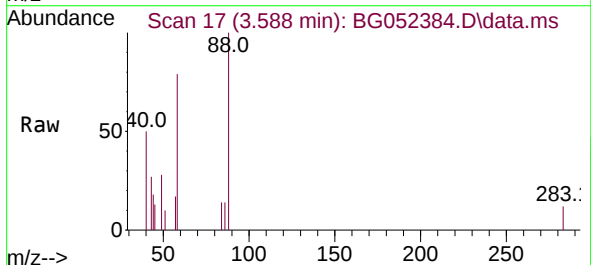
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

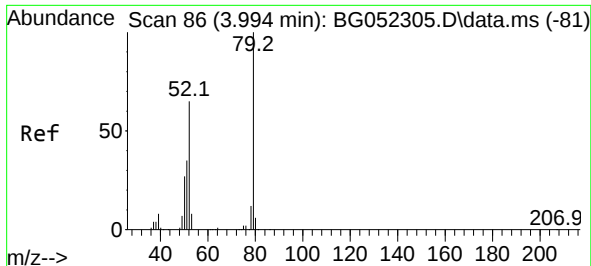
Tgt Ion:152 Resp: 21500
Ion Ratio Lower Upper
152 100
150 138.1 117.8 176.8
115 63.8 50.2 75.2



#2
1,4-Dioxane
Concen: 4.461 ng
RT: 3.588 min Scan# 17
Delta R.T. 0.005 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion: 88 Resp: 2534
Ion Ratio Lower Upper
88 100
58 70.3 65.8 98.8
43 31.8 31.6 47.4





#3

Pyridine

Concen: 3.856 ng

RT: 4.011 min Scan# 89

Delta R.T. 0.017 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

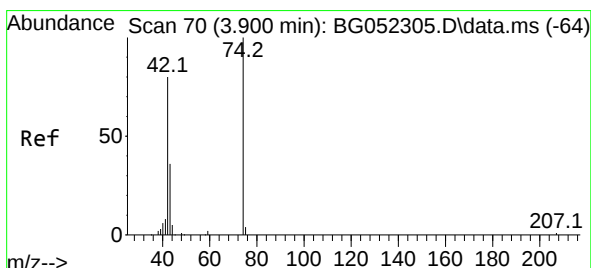
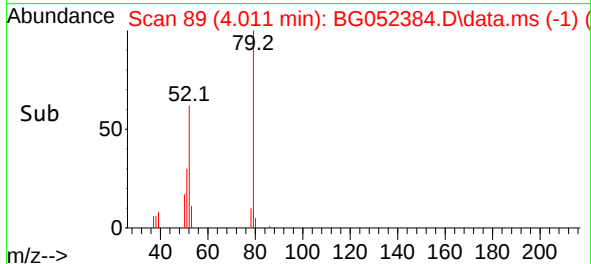
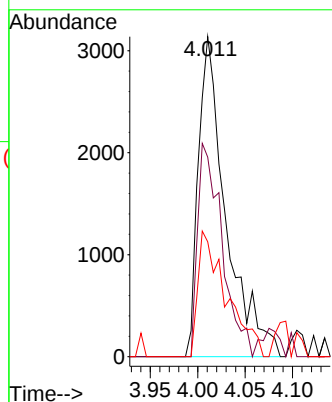
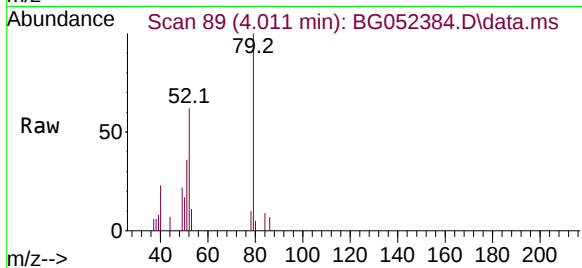
Tgt Ion: 79 Resp: 6353

Ion Ratio Lower Upper

79 100

52 62.3 55.0 82.6

51 35.9 32.5 48.7



#4

n-Nitrosodimethylamine

Concen: 3.737 ng

RT: 3.905 min Scan# 71

Delta R.T. 0.005 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

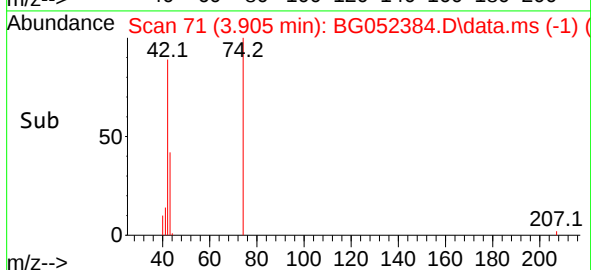
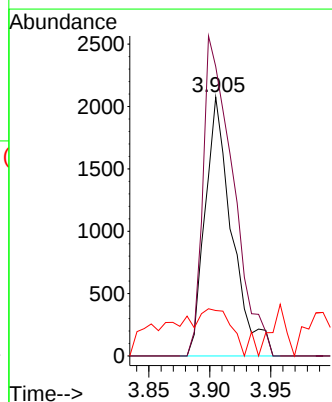
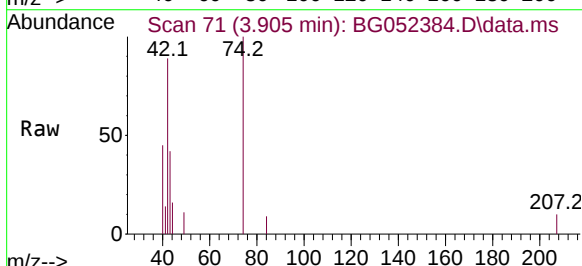
Tgt Ion: 42 Resp: 3179

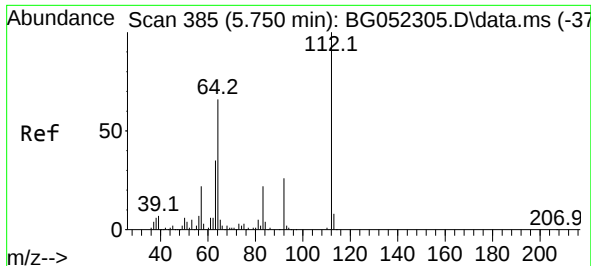
Ion Ratio Lower Upper

42 100

74 111.8 83.0 124.4

44 17.5 5.0 7.6#

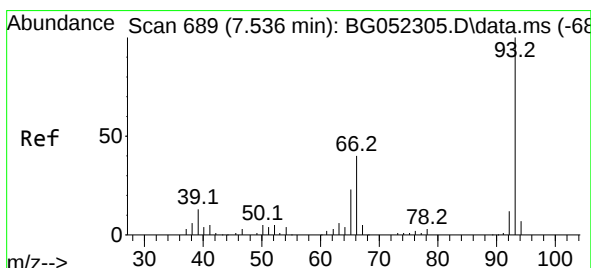
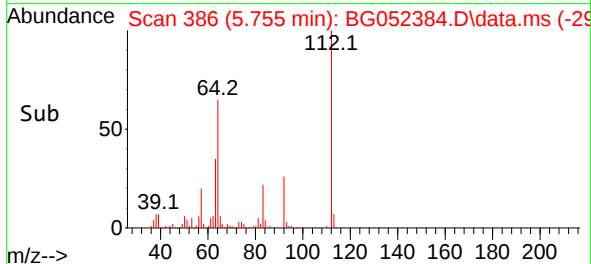
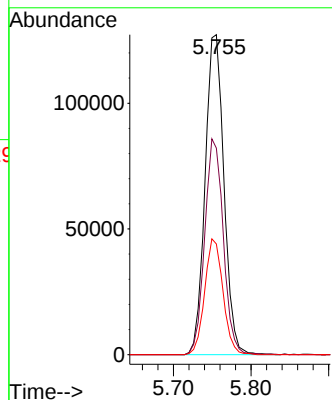
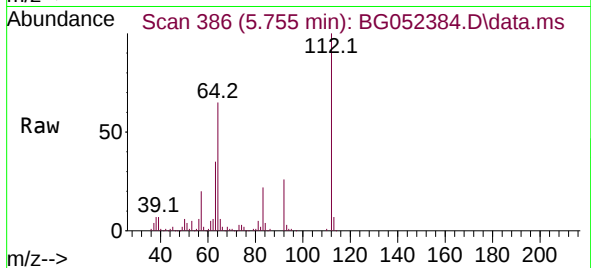




#5
2-Fluorophenol
Concen: 173.953 ng
RT: 5.755 min Scan# 385
Delta R.T. 0.005 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

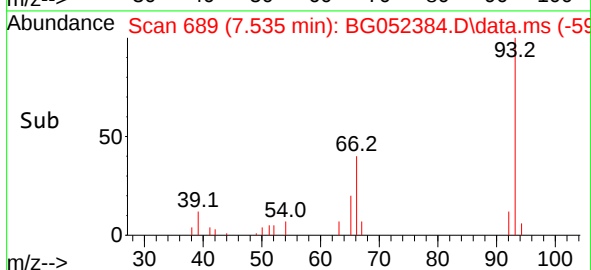
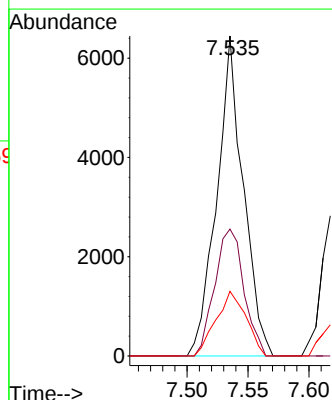
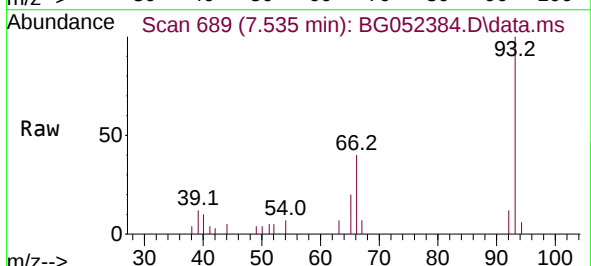
Instrument :
BNA_G
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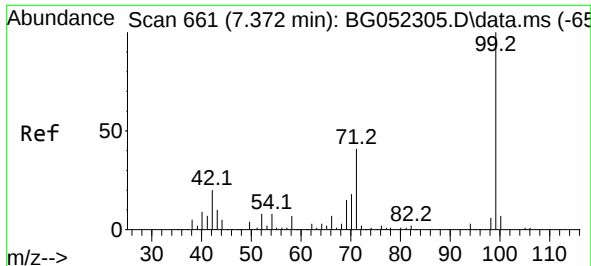
Tgt Ion:112 Resp: 214589
Ion Ratio Lower Upper
112 100
64 64.5 60.4 90.6
63 34.6 33.3 49.9



#6
Aniline
Concen: 4.405 ng
RT: 7.535 min Scan# 689
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion: 93 Resp: 9742
Ion Ratio Lower Upper
93 100
66 39.6 34.3 51.5
65 20.2 17.6 26.4

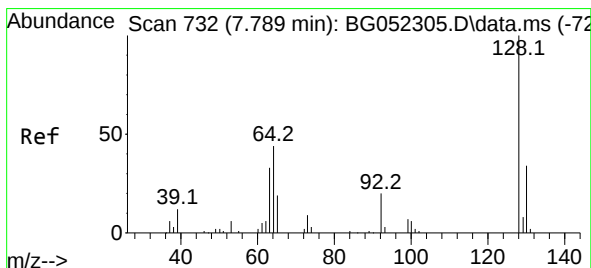
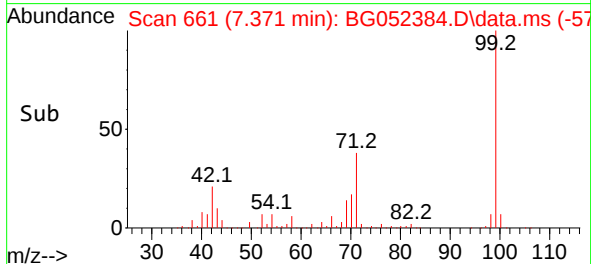
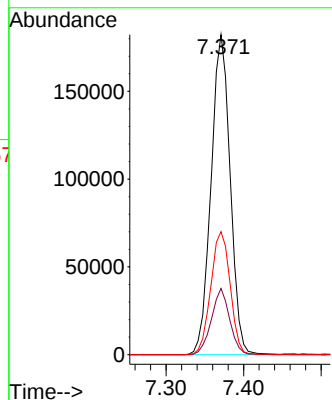
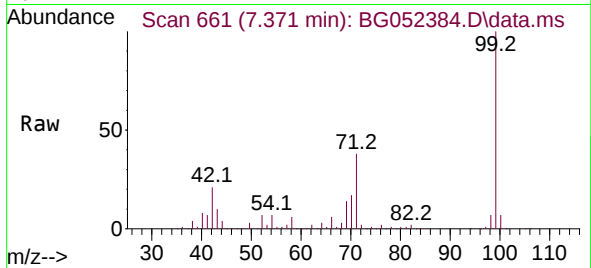




#7
Phenol-d6
Concen: 164.058 ng
RT: 7.371 min Scan# 661
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

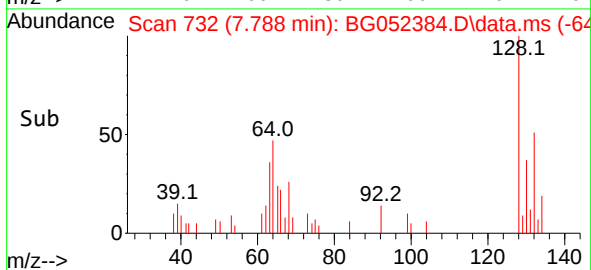
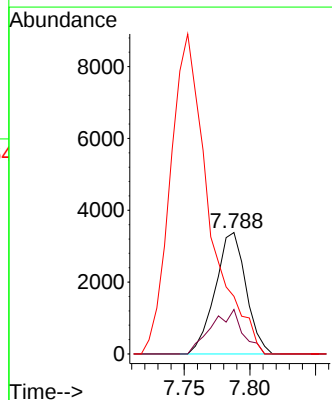
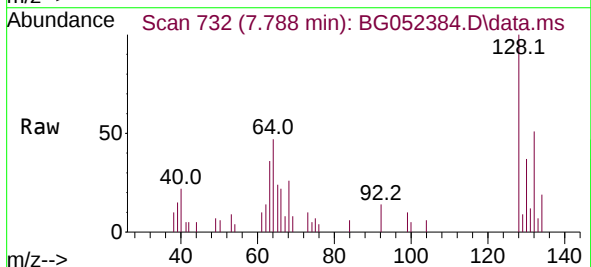
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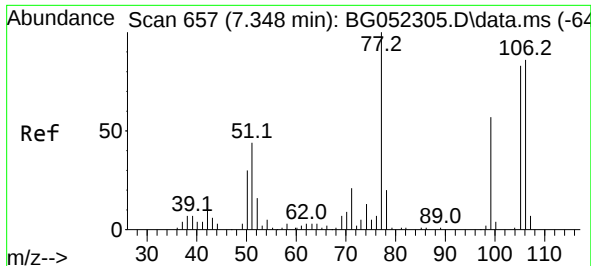
Tgt Ion: 99 Resp: 312265
Ion Ratio Lower Upper
99 100
42 20.7 19.1 28.7
71 38.4 33.4 50.2



#8
2-Chlorophenol
Concen: 4.065 ng
RT: 7.788 min Scan# 732
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion: 128 Resp: 5516
Ion Ratio Lower Upper
128 100
130 36.6 13.6 53.6
64 47.5 37.8 77.8

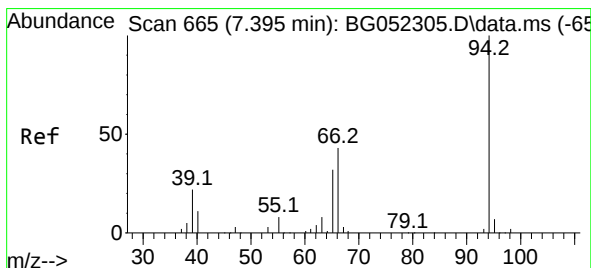
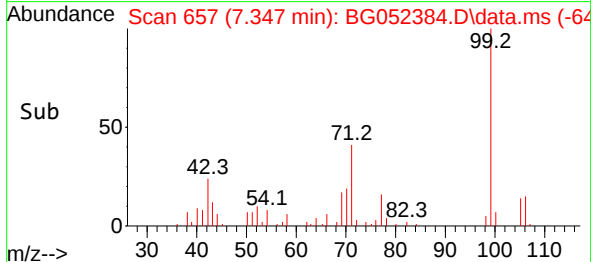
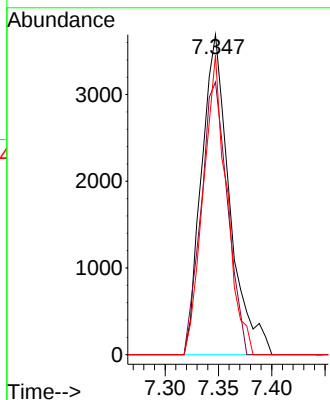
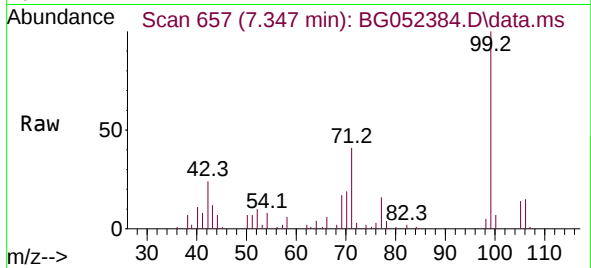




#9
Benzaldehyde
Concen: 5.788 ng
RT: 7.347 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

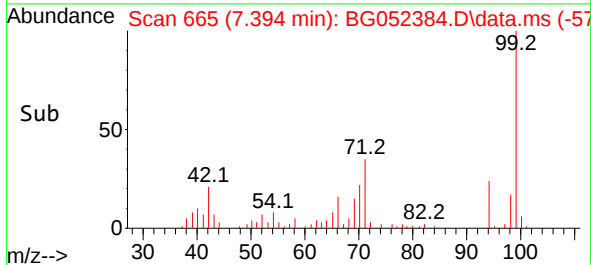
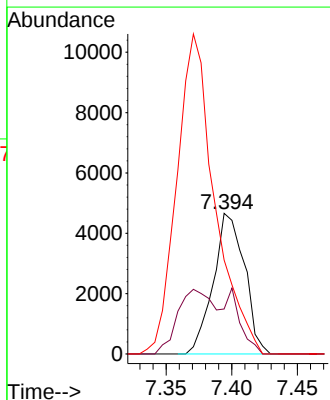
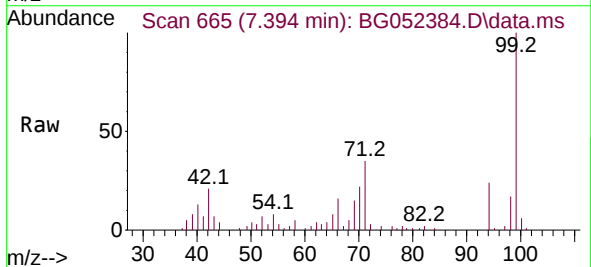
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ClientSampleId :
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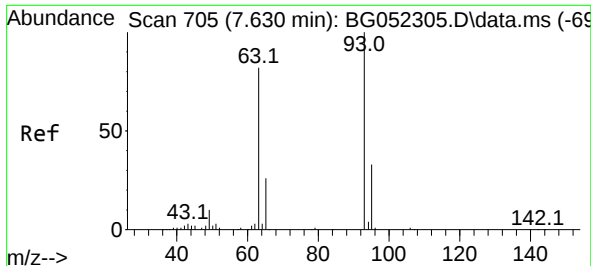
Tgt Ion:	77	Resp:	6763
Ion	Ratio	Lower	Upper
77	100		
105	85.2	66.1	106.1
106	93.7	58.1	98.1



#10
Phenol
Concen: 4.068 ng
RT: 7.394 min Scan# 665
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:	94	Resp:	7694
Ion	Ratio	Lower	Upper
94	100		
65	32.0	14.1	54.1
66	66.8	26.6	66.6#

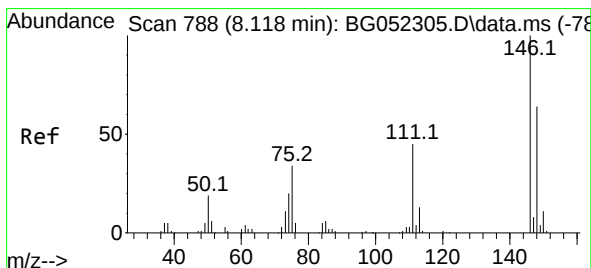
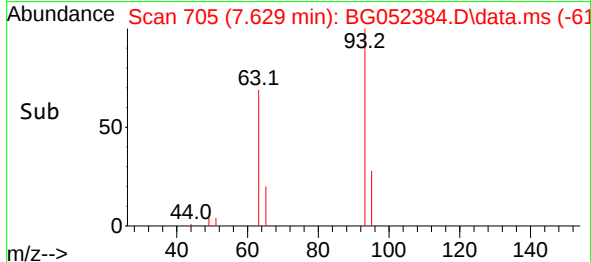
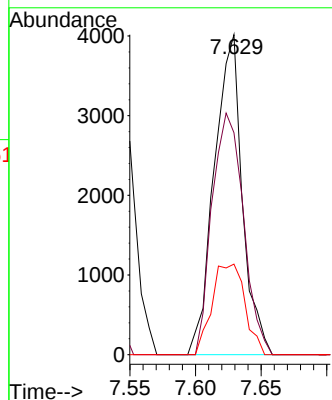
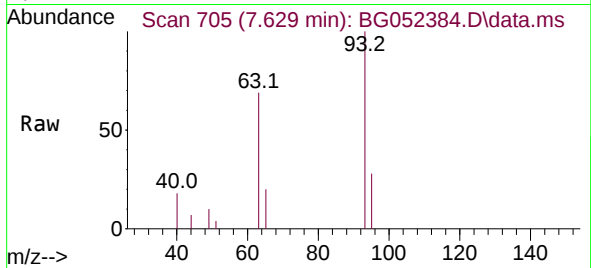




#11
bis(2-Chloroethyl)ether
Concen: 4.129 ng
RT: 7.629 min Scan# 705
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

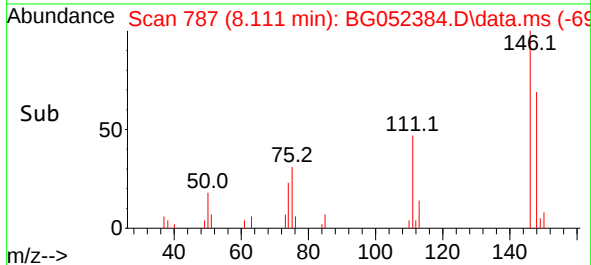
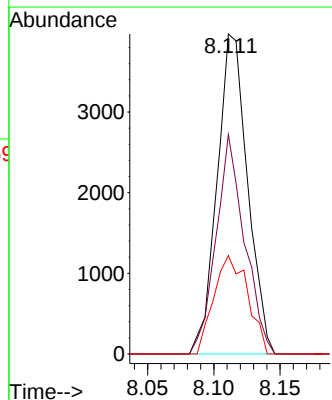
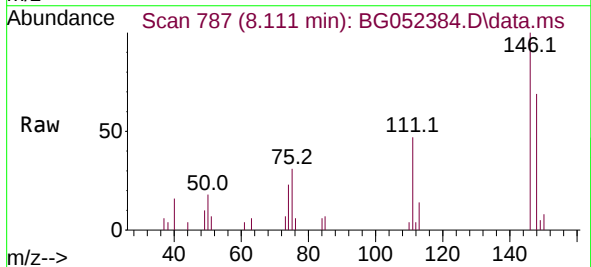
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

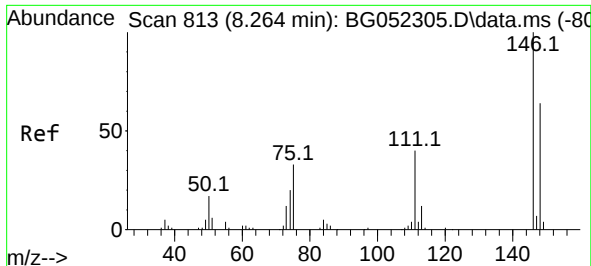
Tgt Ion: 93 Resp: 5968
Ion Ratio Lower Upper
93 100
63 69.3 67.1 107.1
95 28.3 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 4.114 ng m
RT: 8.111 min Scan# 787
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion: 146 Resp: 6361
Ion Ratio Lower Upper
146 100
148 68.6 49.1 73.7
75 30.8 30.9 46.3#

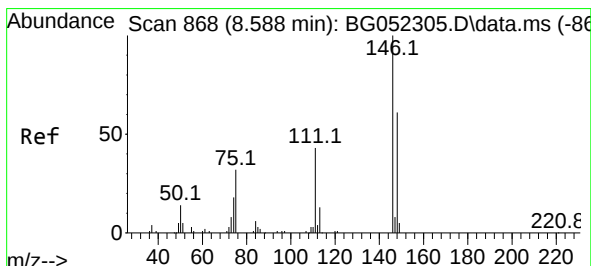
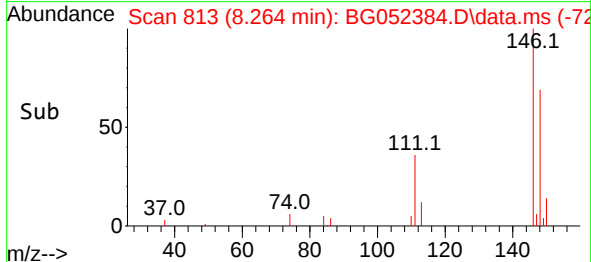
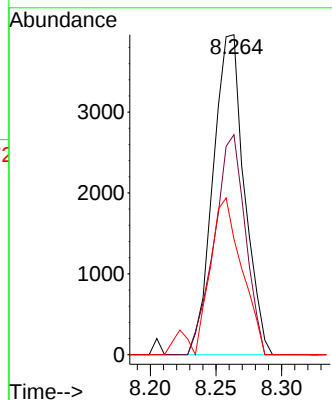
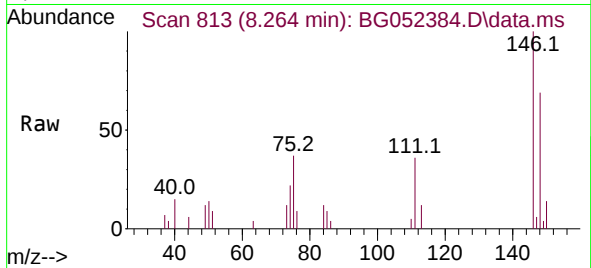




#13
1,4-Dichlorobenzene
Concen: 4.159 ng
RT: 8.264 min Scan# 813
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

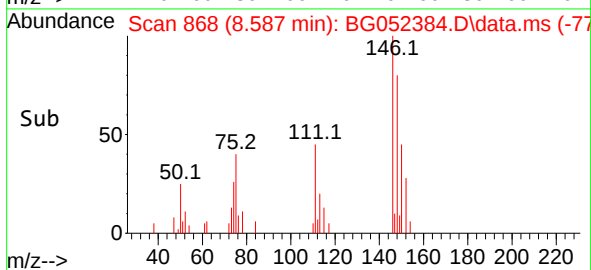
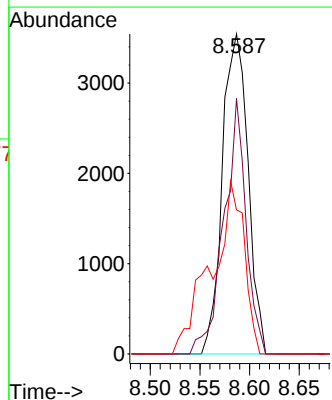
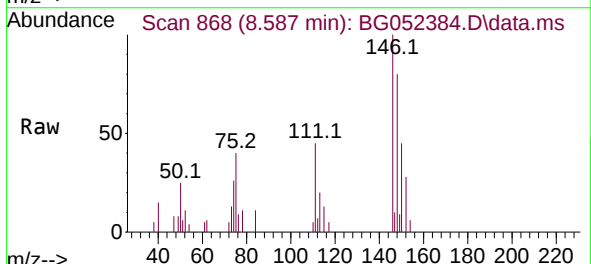
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

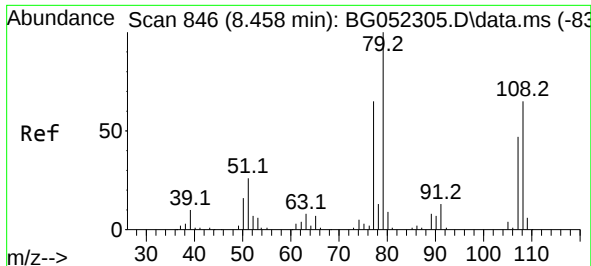
Tgt Ion:146 Resp: 6556
Ion Ratio Lower Upper
146 100
148 68.8 52.6 78.8
111 36.1 33.8 50.8



#14
1,2-Dichlorobenzene
Concen: 4.079 ng m
RT: 8.587 min Scan# 868
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:146 Resp: 6341
Ion Ratio Lower Upper
146 100
148 79.8 46.5 69.7#
111 45.0 37.0 55.4

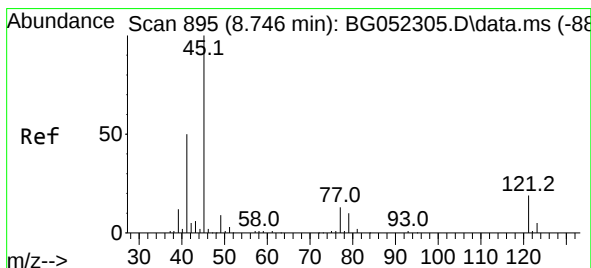
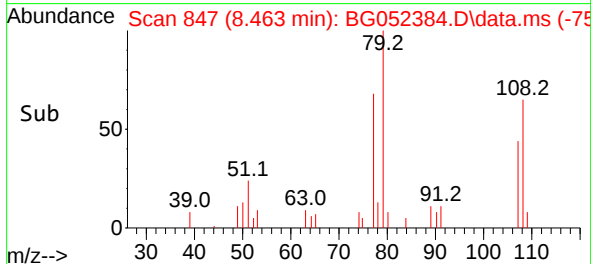
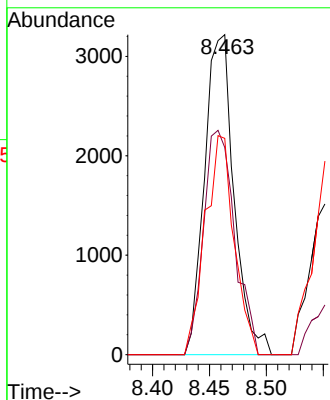
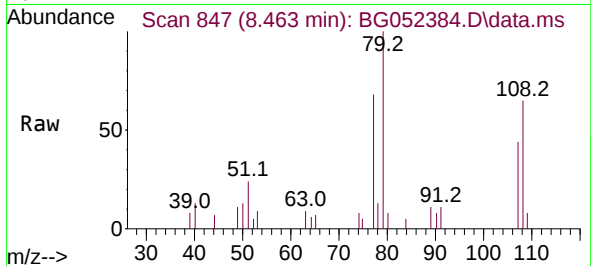




#15
Benzyl Alcohol
Concen: 3.684 ng
RT: 8.463 min Scan# 846
Delta R.T. 0.005 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

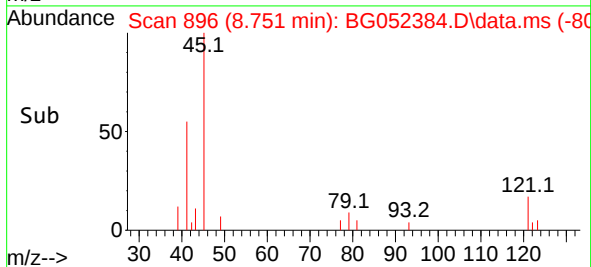
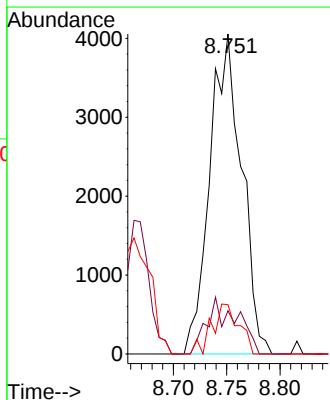
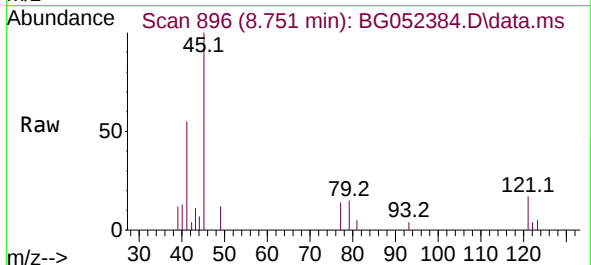
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

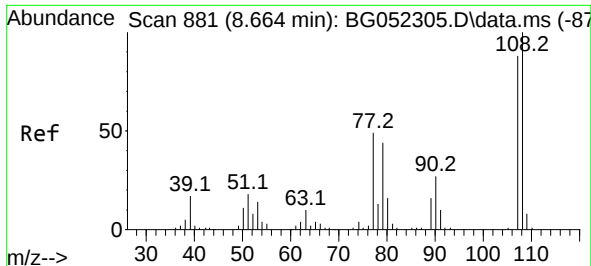
Tgt Ion: 79 Resp: 5820
Ion Ratio Lower Upper
79 100
108 64.8 53.8 80.6
77 67.6 54.4 81.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.038 ng
RT: 8.751 min Scan# 896
Delta R.T. 0.005 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion: 45 Resp: 8429
Ion Ratio Lower Upper
45 100
77 13.5 0.0 33.8
79 15.4 0.0 31.1





#17

2-Methylphenol

Concen: 3.975 ng

RT: 8.669 min Scan# 81

Delta R.T. 0.005 min

Lab File: BG052384.D

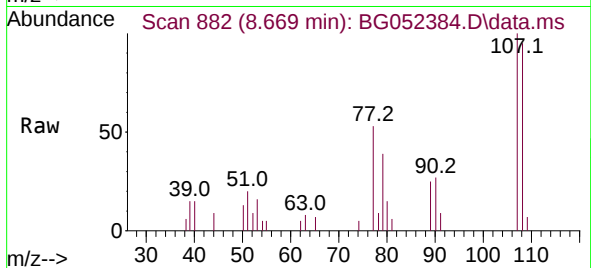
Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021



Tgt Ion:107 Resp: 4960

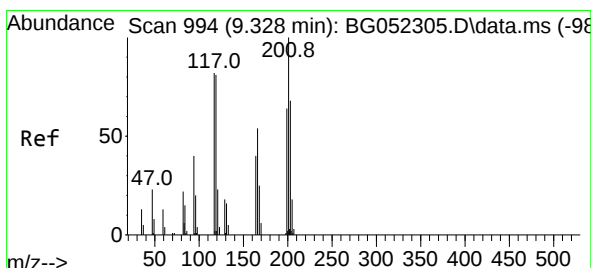
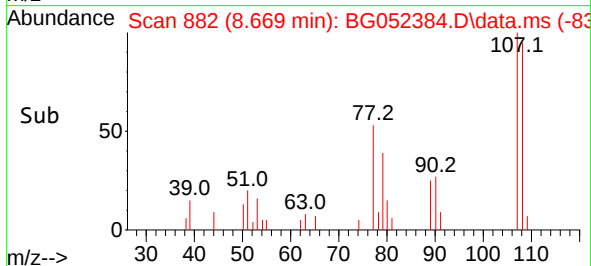
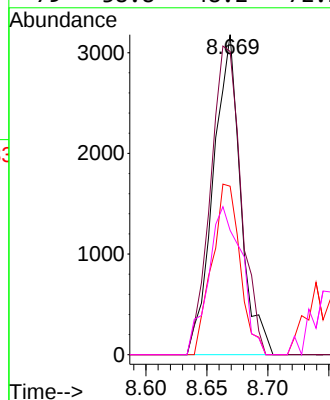
Ion Ratio Lower Upper

107 100

108 94.7 90.3 135.5

77 52.7 49.0 73.6

79 38.8 48.2 72.2#



#18

Hexachloroethane

Concen: 4.448 ng

RT: 9.321 min Scan# 993

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

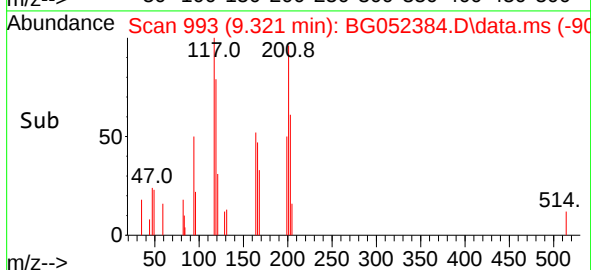
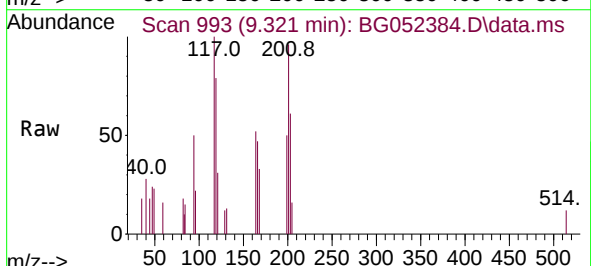
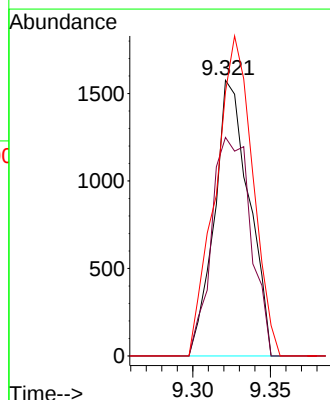
Tgt Ion:117 Resp: 2438

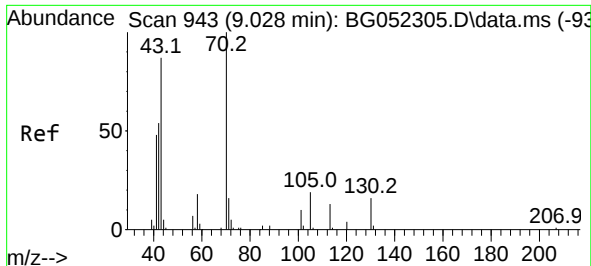
Ion Ratio Lower Upper

117 100

119 79.3 73.5 110.3

201 95.7 91.0 136.6

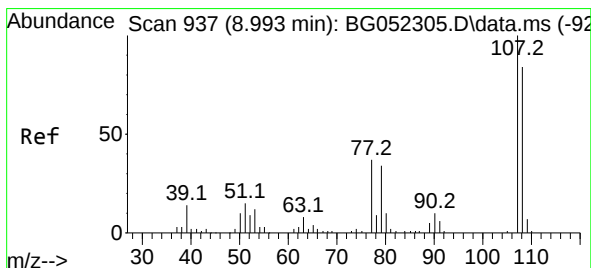
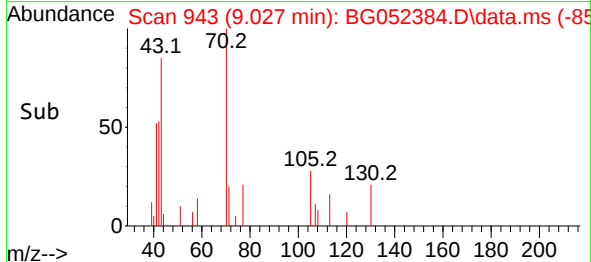
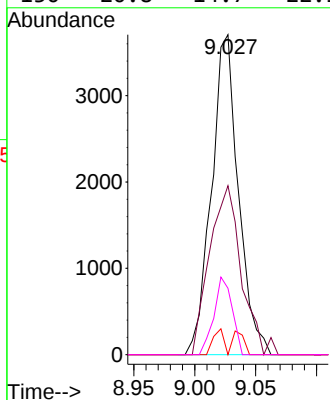
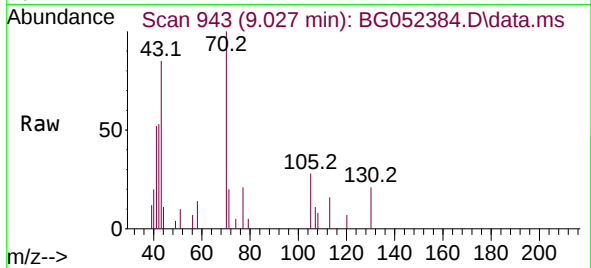




#19
n-Nitroso-di-n-propylamine
Concen: 3.974 ng
RT: 9.027 min Scan# 943
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

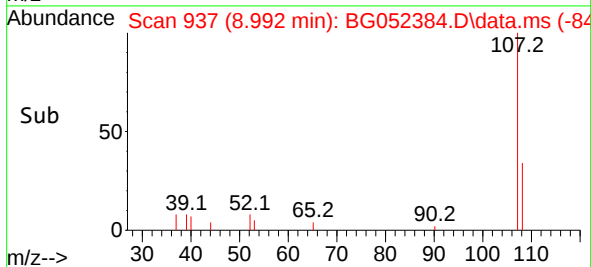
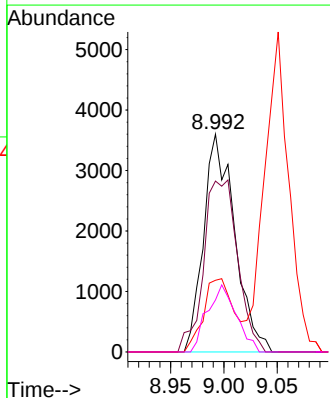
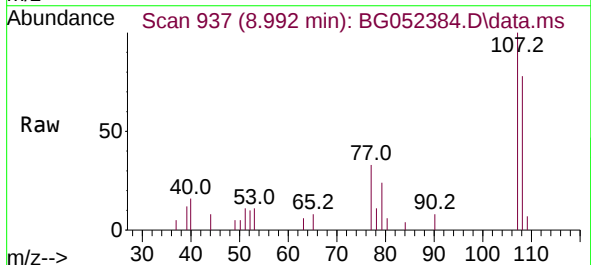
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

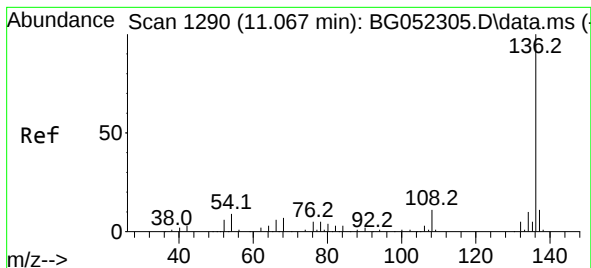
Tgt Ion:	70	Resp:	5702
Ion	Ratio	Lower	Upper
70	100		
42	52.8	51.8	77.6
101	0.0	6.6	10.0#
130	20.8	14.7	22.1



#20
3+4-Methylphenols
Concen: 4.092 ng
RT: 8.992 min Scan# 937
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:	107	Resp:	7305
Ion	Ratio	Lower	Upper
107	100		
108	78.5	71.9	111.9
77	32.9	24.6	64.6
79	23.8	18.2	58.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.066 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG052384.D

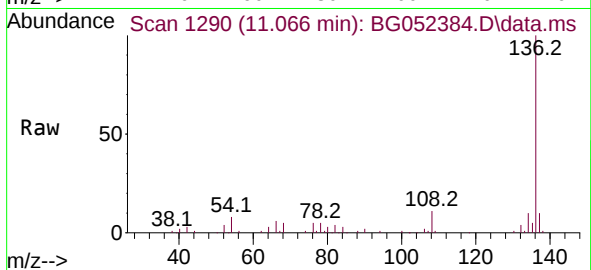
Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021



Tgt Ion:136 Resp: 91885

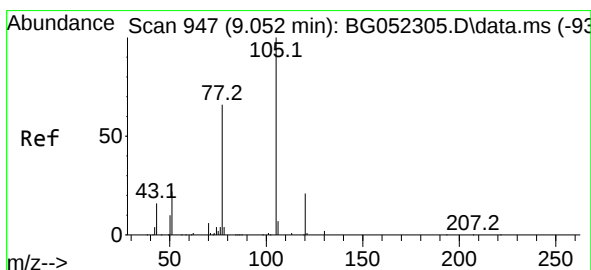
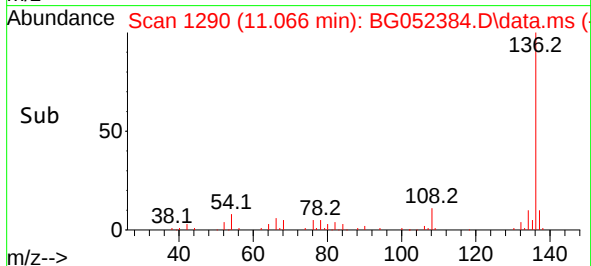
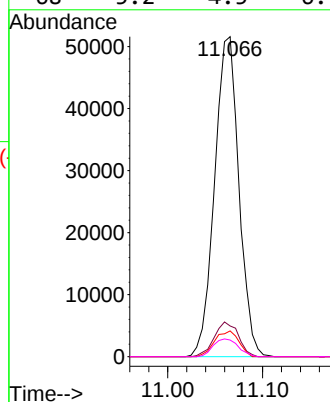
Ion Ratio Lower Upper

136 100

137 9.6 9.1 13.7

54 8.0 8.3 12.5#

68 5.2 4.5 6.7



#22

Acetophenone

Concen: 4.094 ng

RT: 9.051 min Scan# 947

Delta R.T. -0.001 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Tgt Ion:105 Resp: 9943

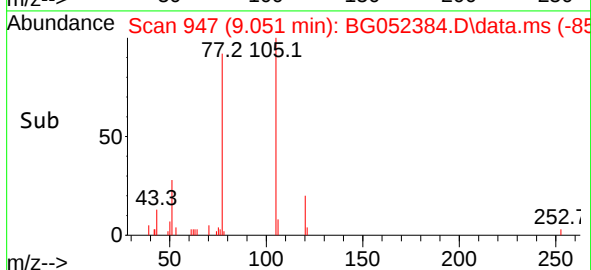
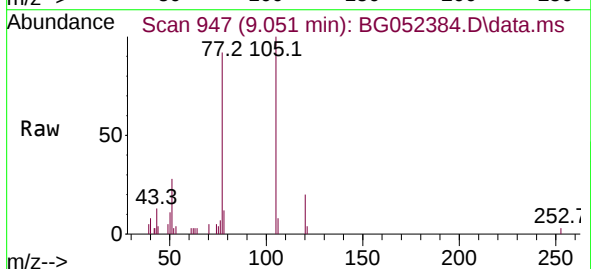
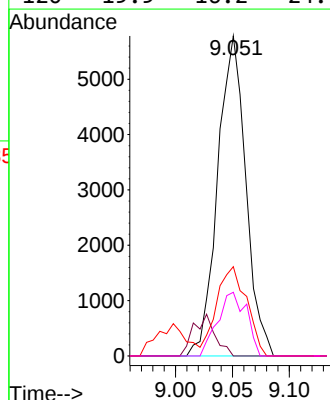
Ion Ratio Lower Upper

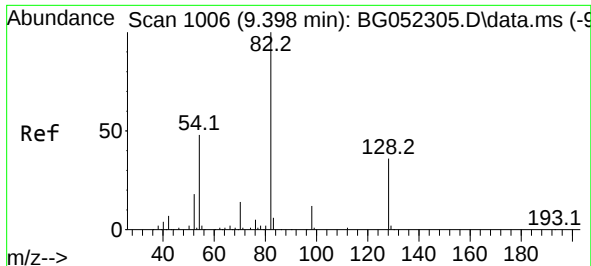
105 100

71 0.0 1.8 2.6#

51 27.9 27.0 40.4

120 19.9 16.2 24.4

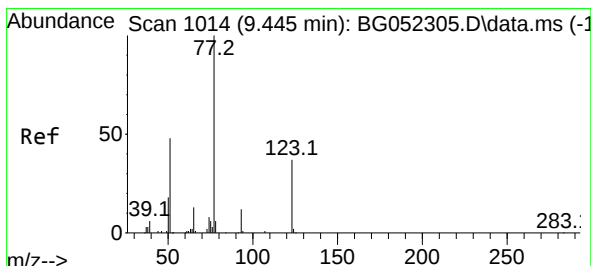
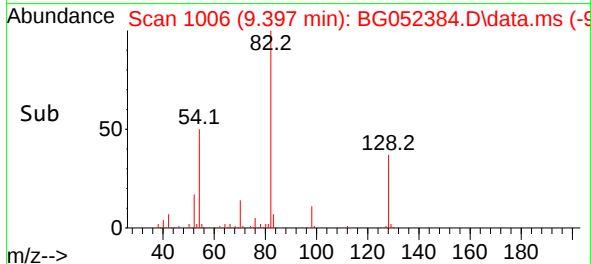
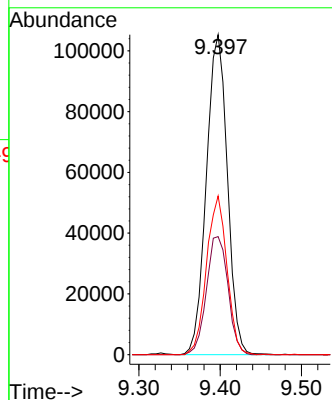
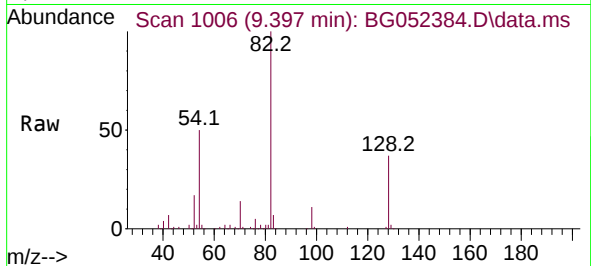




#23
Nitrobenzene-d5
Concen: 89.404 ng
RT: 9.397 min Scan# 1012
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

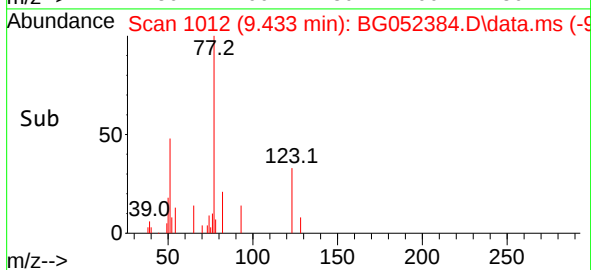
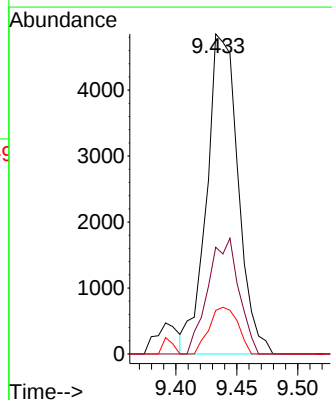
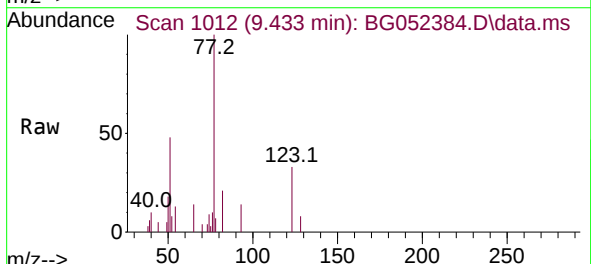
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

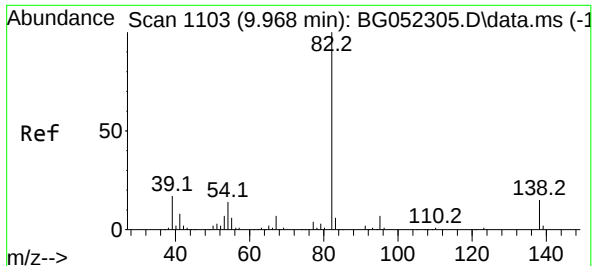
Tgt Ion: 82 Resp: 189017
Ion Ratio Lower Upper
82 100
128 36.9 27.0 40.4
54 49.6 41.0 61.6



#24
Nitrobenzene
Concen: 4.342 ng
RT: 9.433 min Scan# 1012
Delta R.T. -0.013 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion: 77 Resp: 8707
Ion Ratio Lower Upper
77 100
123 33.3 27.1 40.7
65 13.6 11.2 16.8

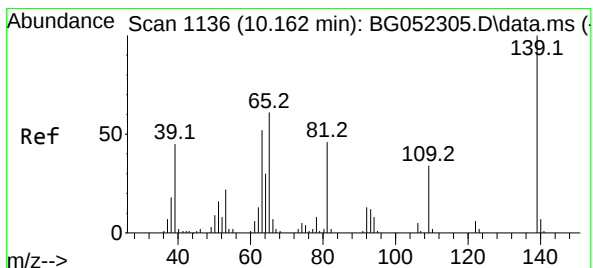
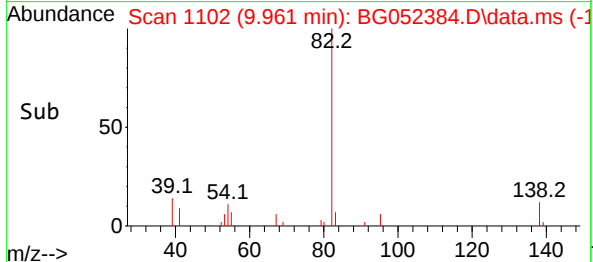
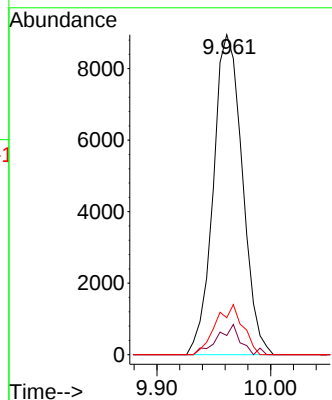
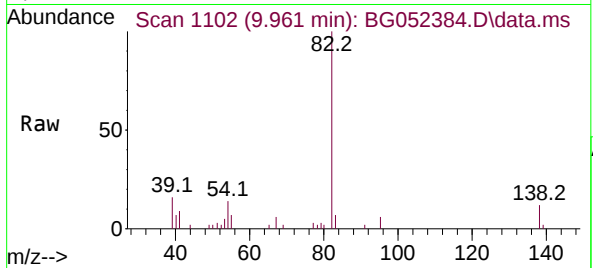




#25
Isophorone
Concen: 4.413 ng
RT: 9.961 min Scan# 1103
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

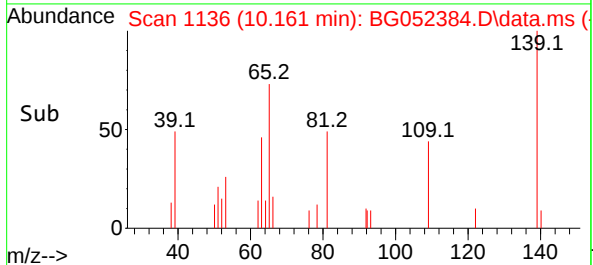
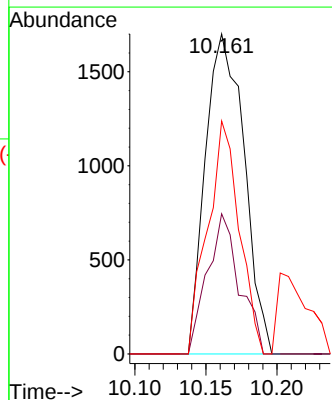
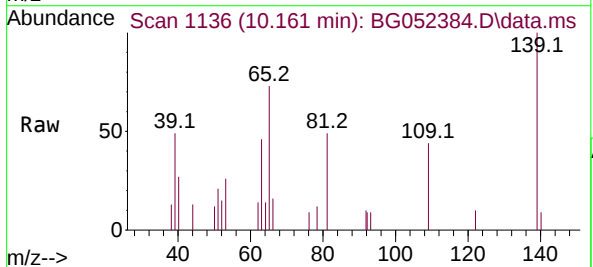
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

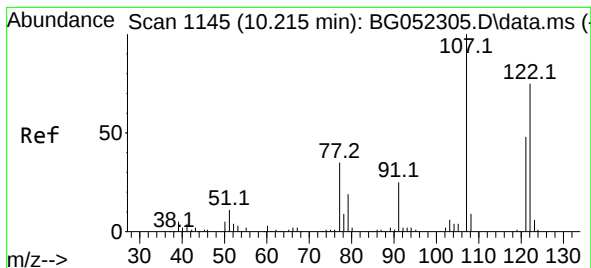
Tgt Ion: 82 Resp: 15874
Ion Ratio Lower Upper
82 100
95 6.0 6.6 9.8#
138 11.5 12.5 18.7#



#26
2-Nitrophenol
Concen: 3.785 ng
RT: 10.161 min Scan# 1136
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:139 Resp: 3217
Ion Ratio Lower Upper
139 100
109 43.8 30.4 45.6
65 72.8 55.7 83.5





#27

2,4-Dimethylphenol

Concen: 4.544 ng

RT: 10.214 min Scan# 1145

Delta R.T. -0.001 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

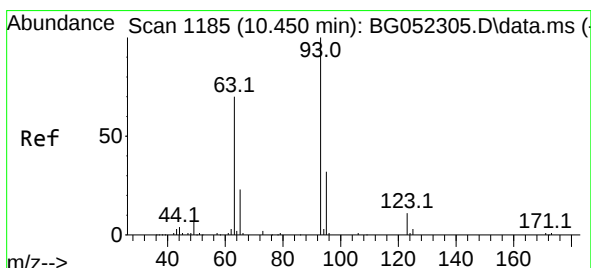
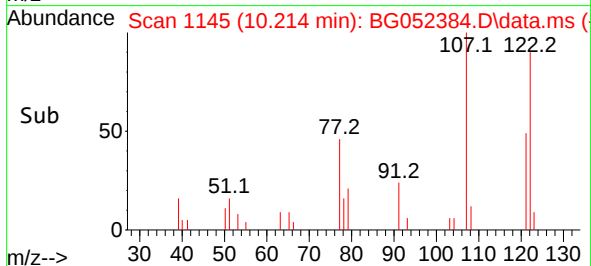
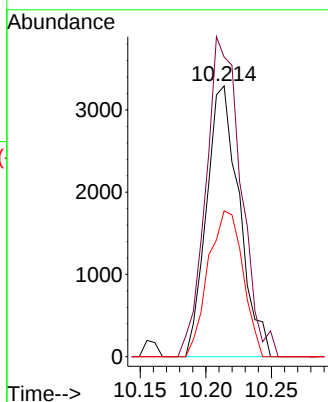
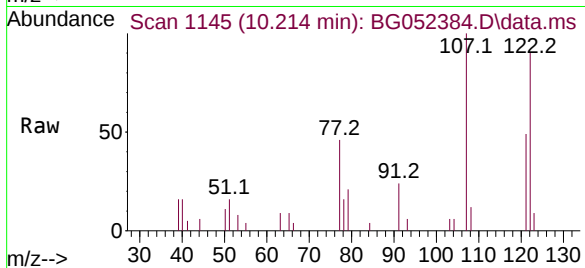
Tgt Ion:122 Resp: 5719

Ion Ratio Lower Upper

122 100

107 110.7 105.8 158.8

121 53.9 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 4.025 ng

RT: 10.443 min Scan# 1184

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

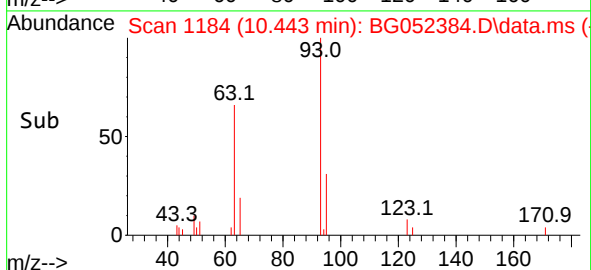
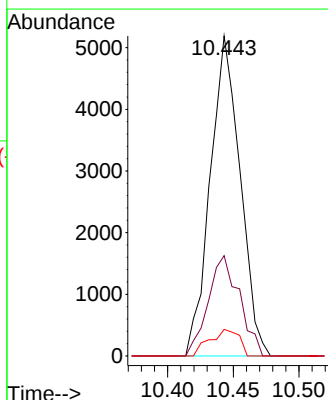
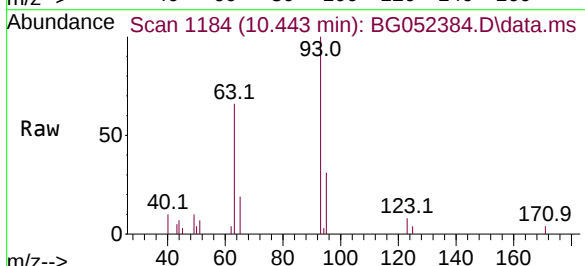
Tgt Ion: 93 Resp: 8217

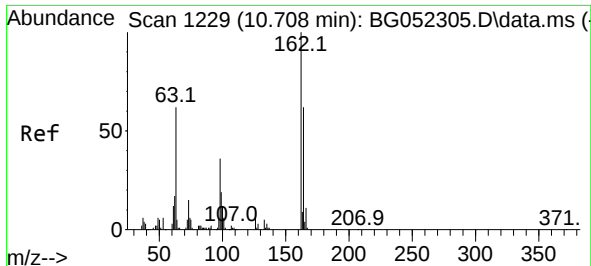
Ion Ratio Lower Upper

93 100

95 31.4 26.1 39.1

123 8.3 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 3.840 ng

RT: 10.713 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

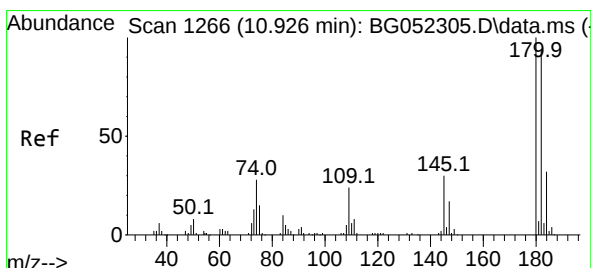
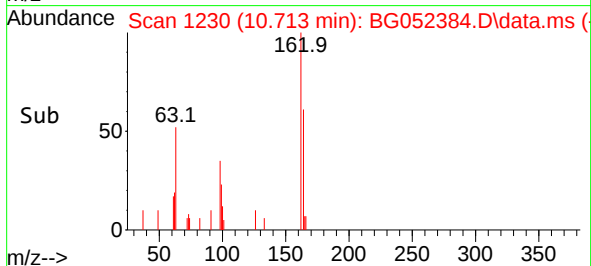
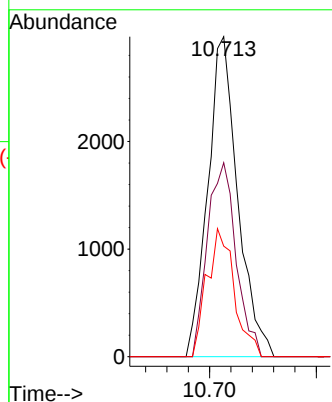
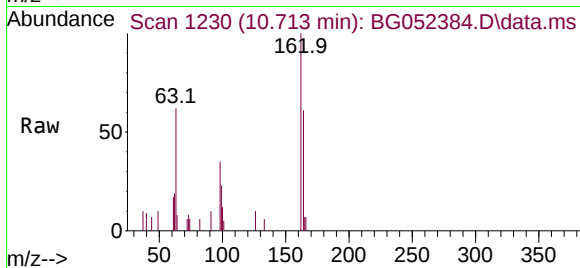
Tgt Ion:162 Resp: 5792

Ion Ratio Lower Upper

162 100

164 60.6 44.3 84.3

98 34.5 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 4.231 ng

RT: 10.919 min Scan# 1265

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

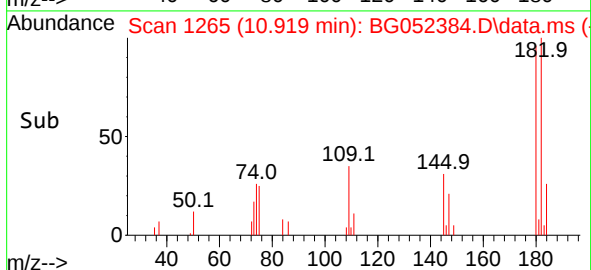
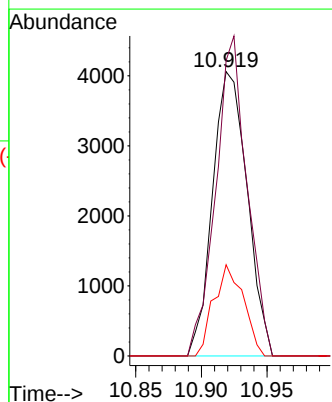
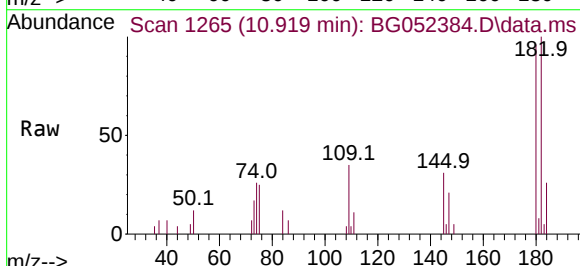
Tgt Ion:180 Resp: 7453

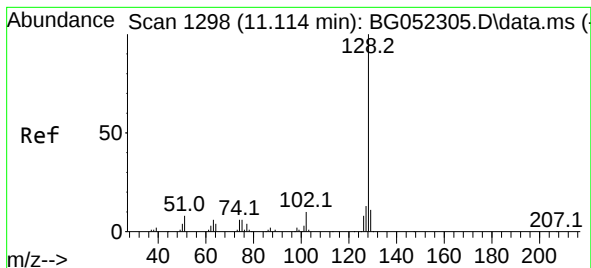
Ion Ratio Lower Upper

180 100

182 103.9 76.1 114.1

145 32.1 24.0 36.0





#31

Naphthalene

Concen: 4.427 ng

RT: 11.113 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

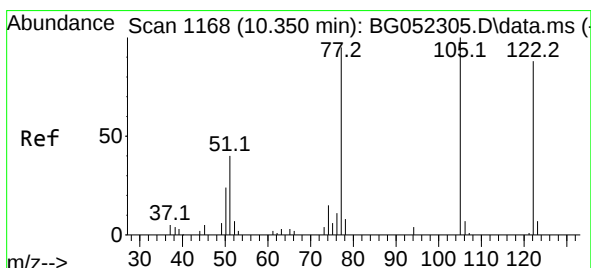
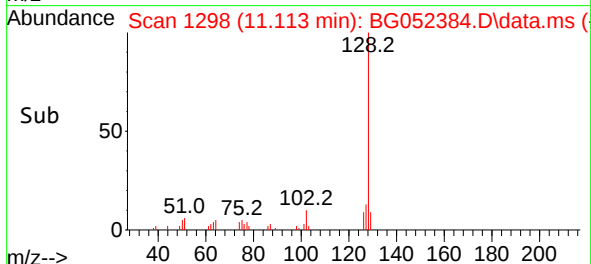
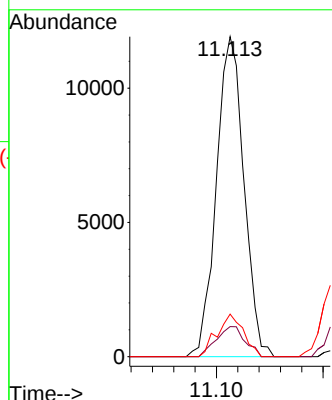
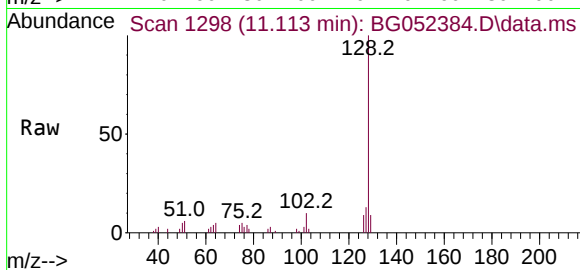
Tgt Ion:128 Resp: 21324

Ion Ratio Lower Upper

128 100

129 9.4 9.8 14.6#

127 13.3 12.0 18.0



#32

Benzoic acid

Concen: 0.862 ng

RT: 10.367 min Scan# 1171

Delta R.T. 0.017 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

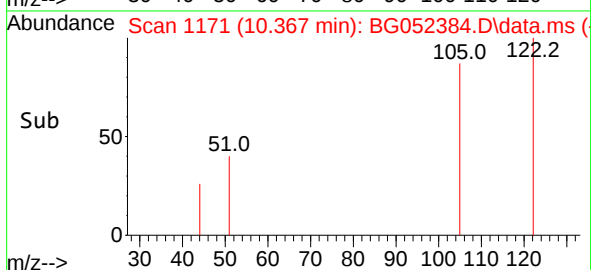
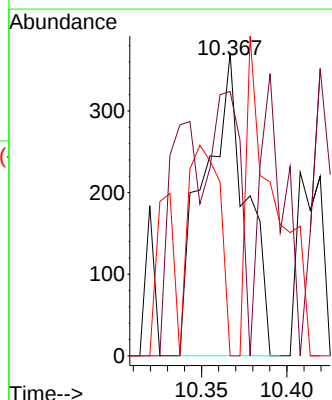
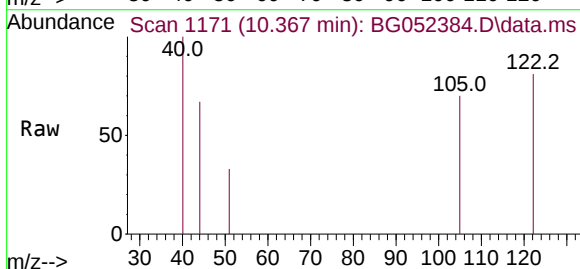
Tgt Ion:122 Resp: 637

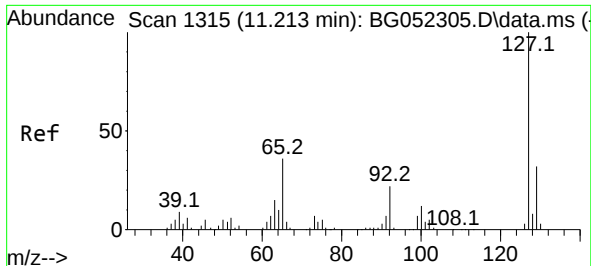
Ion Ratio Lower Upper

122 100

105 87.3 109.2 149.2#

77 0.0 92.8 132.8#

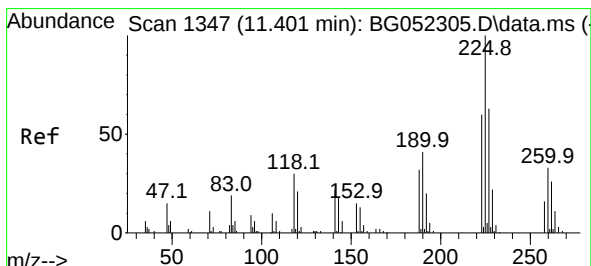
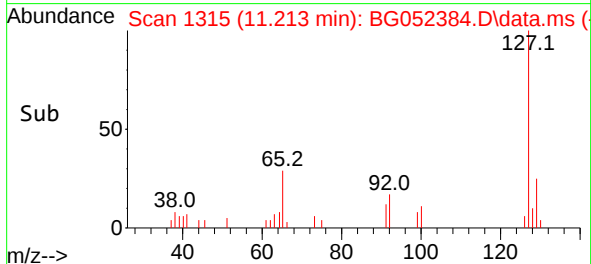
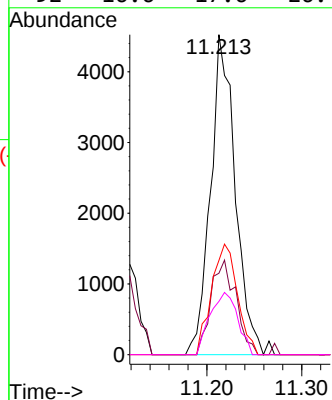
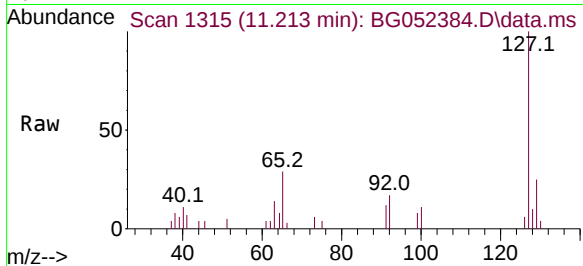




#33
4-Chloroaniline
Concen: 4.088 ng
RT: 11.213 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

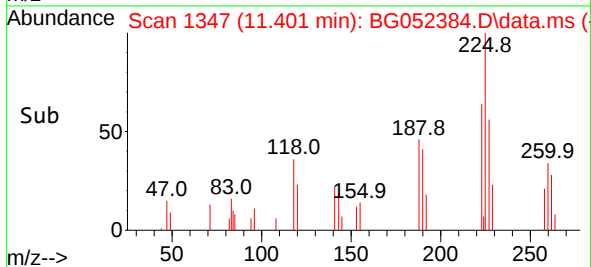
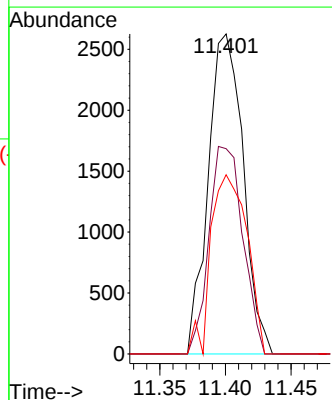
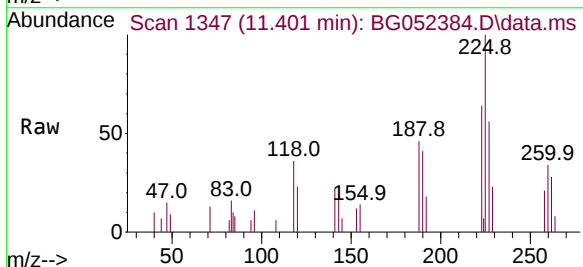
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

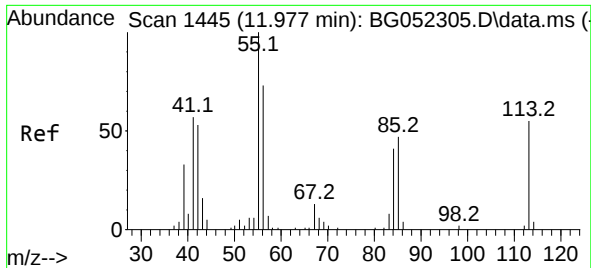
Tgt Ion:127	Resp:	8221
Ion	Ratio	Lower Upper
127	100	
129	25.4	27.0 40.6#
65	29.5	28.7 43.1
92	16.6	17.6 26.4#



#34
Hexachlorobutadiene
Concen: 4.094 ng
RT: 11.401 min Scan# 1347
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:225	Resp:	4870
Ion	Ratio	Lower Upper
225	100	
223	64.2	51.6 77.4
227	56.0	53.9 80.9

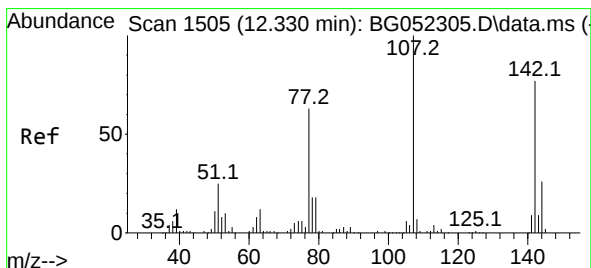
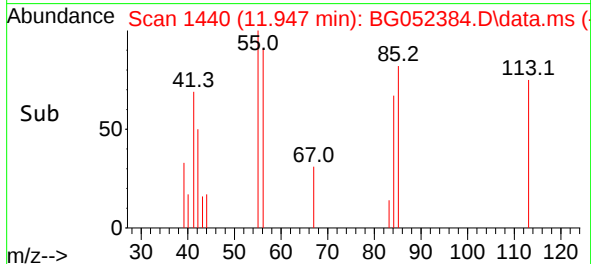
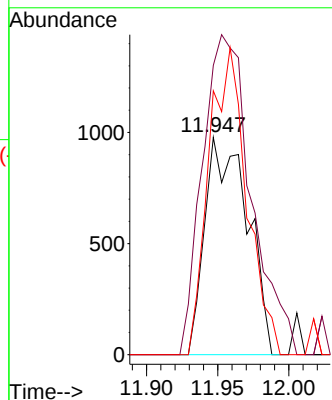
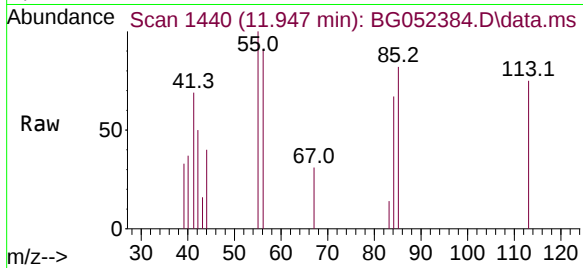




#35
Caprolactam
Concen: 3.713 ng
RT: 11.947 min Scan# 1440
Delta R.T. -0.030 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

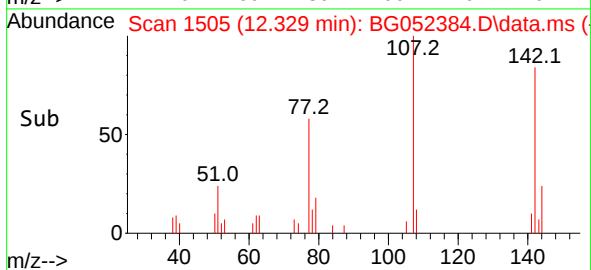
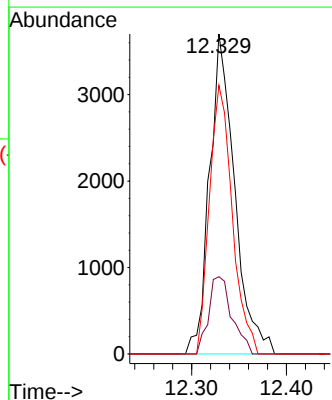
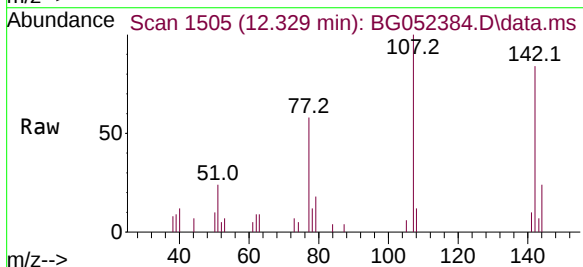
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

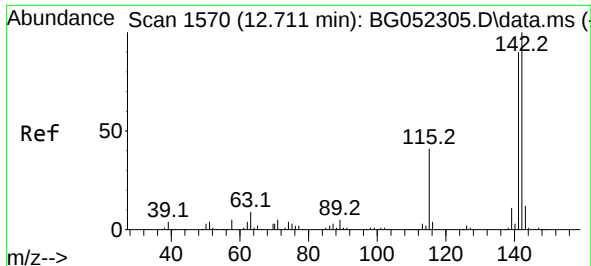
Tgt Ion:113 Resp: 2041
Ion Ratio Lower Upper
113 100
55 133.1 161.4 201.4#
56 121.4 132.6 172.6#



#36
4-Chloro-3-methylphenol
Concen: 3.963 ng
RT: 12.329 min Scan# 1505
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:107 Resp: 6801
Ion Ratio Lower Upper
107 100
144 24.1 19.3 28.9
142 83.9 63.9 95.9

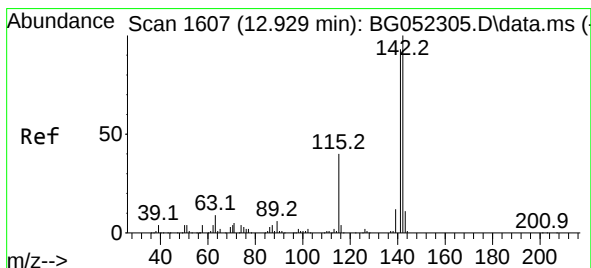
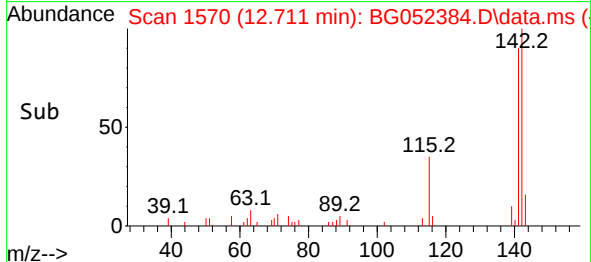
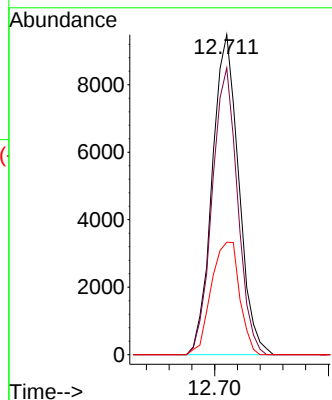
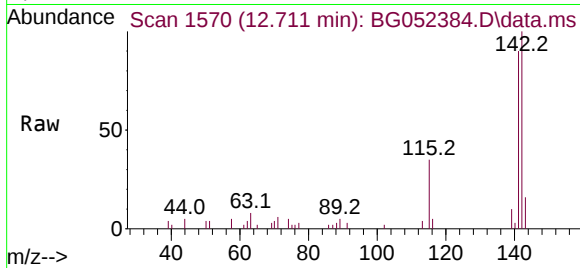




#37
2-Methylnaphthalene
Concen: 4.287 ng
RT: 12.711 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

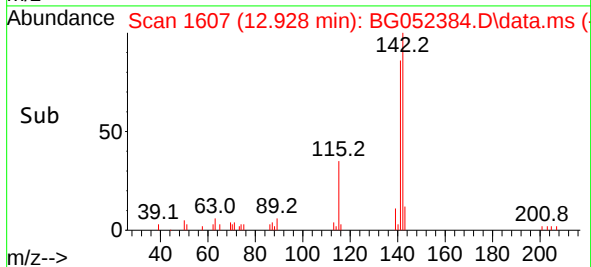
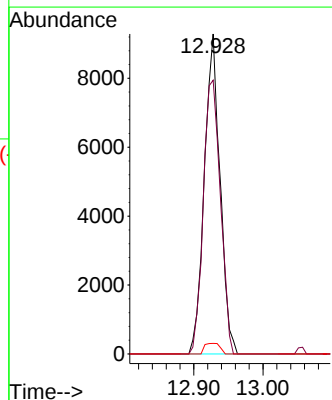
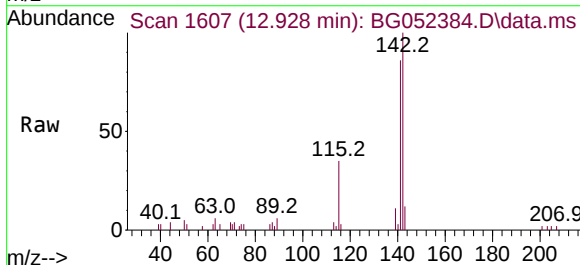
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

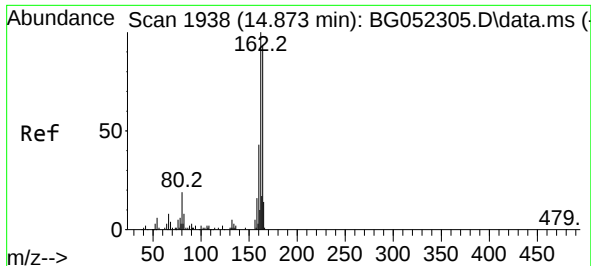
Tgt Ion:142 Resp: 15337
Ion Ratio Lower Upper
142 100
141 89.6 71.7 107.5
115 35.1 32.2 48.4



#38
1-Methylnaphthalene
Concen: 4.227 ng m
RT: 12.928 min Scan# 1607
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:142 Resp: 14653
Ion Ratio Lower Upper
142 100
141 85.5 75.0 112.4
116 3.3 4.2 6.4#

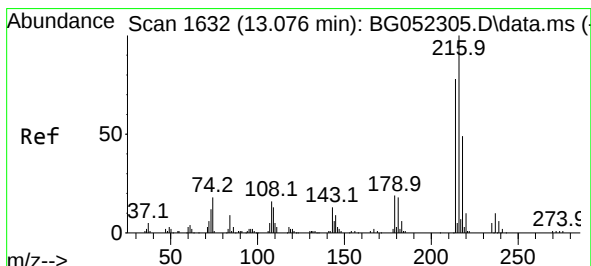
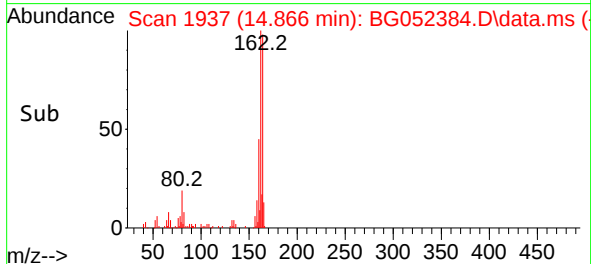
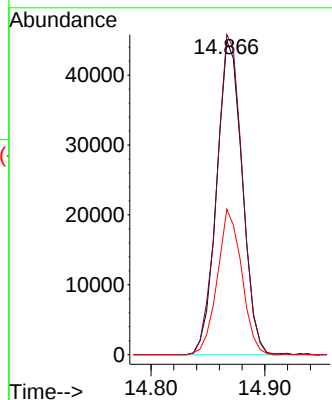
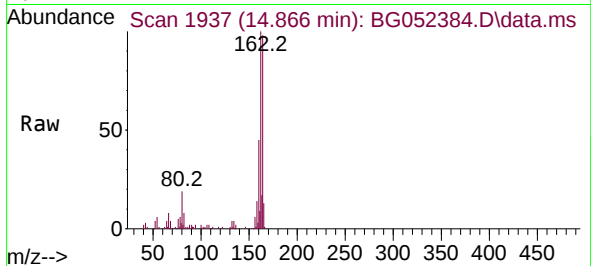




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.866 min Scan# 1937
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

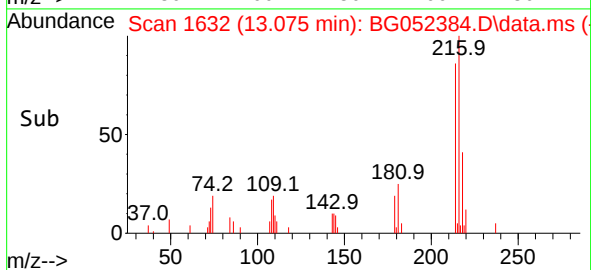
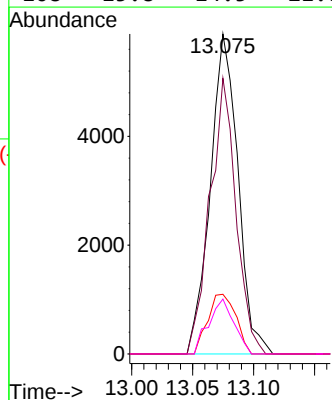
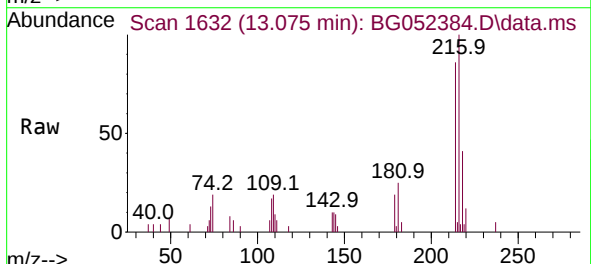
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

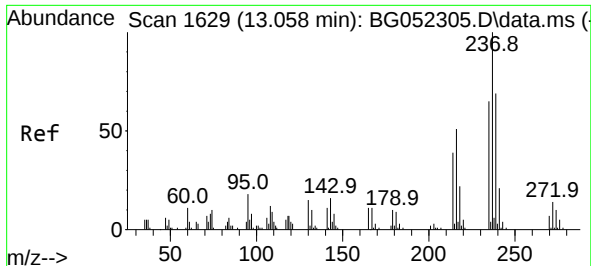
Tgt Ion:164 Resp: 69938
Ion Ratio Lower Upper
164 100
162 101.9 82.2 123.2
160 46.3 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.032 ng
RT: 13.075 min Scan# 1632
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:216 Resp: 9276
Ion Ratio Lower Upper
216 100
214 81.0 63.2 94.8
179 19.0 16.3 24.5
108 15.8 14.5 21.7

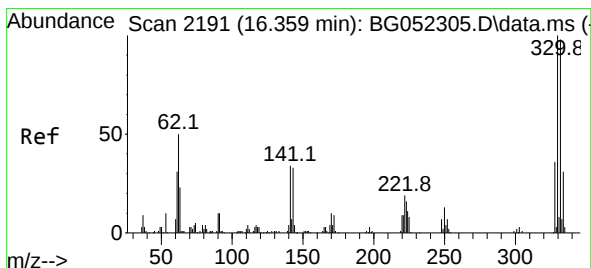
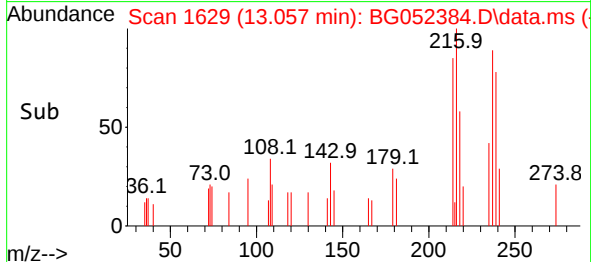
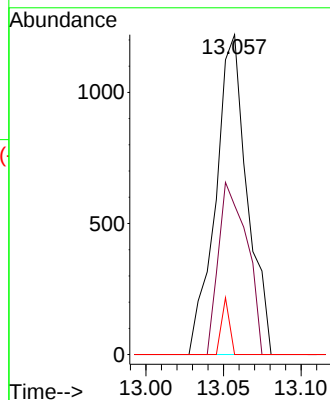
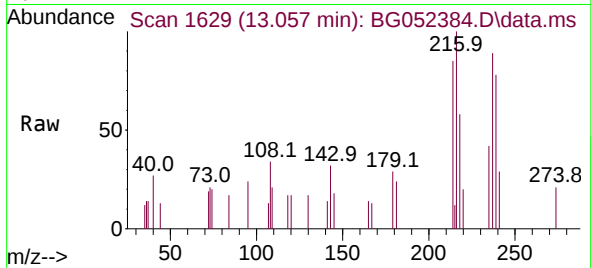




#41
Hexachlorocyclopentadiene
Concen: 1.777 ng
RT: 13.057 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

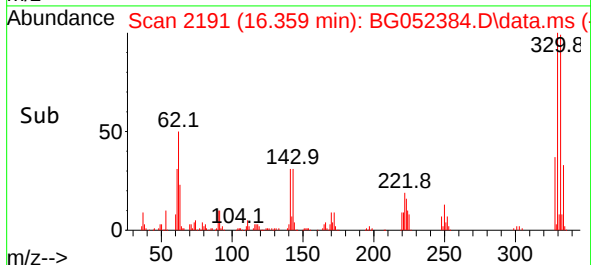
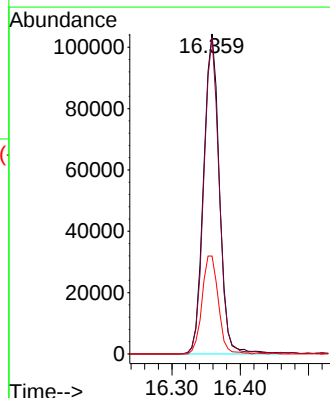
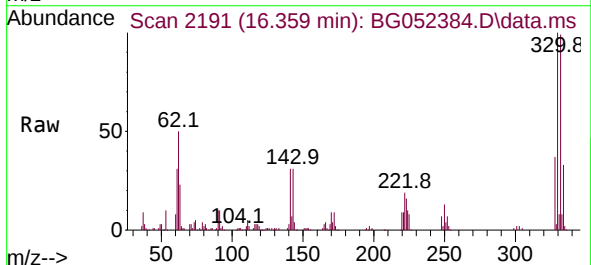
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

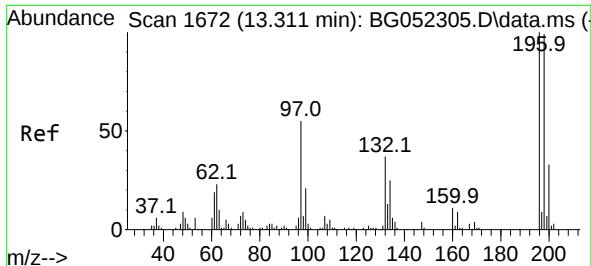
Tgt Ion:237 Resp: 1726
Ion Ratio Lower Upper
237 100
235 46.6 45.9 85.9
272 0.0 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 167.166 ng
RT: 16.359 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:330 Resp: 167964
Ion Ratio Lower Upper
330 100
332 96.5 78.6 117.8
141 31.4 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 3.328 ng

RT: 13.304 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

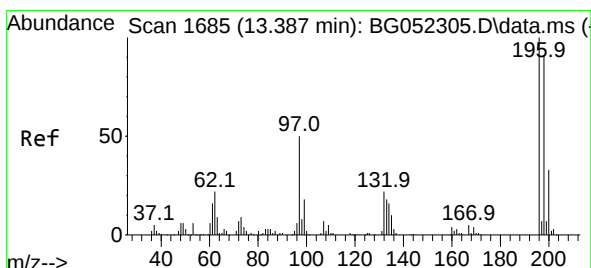
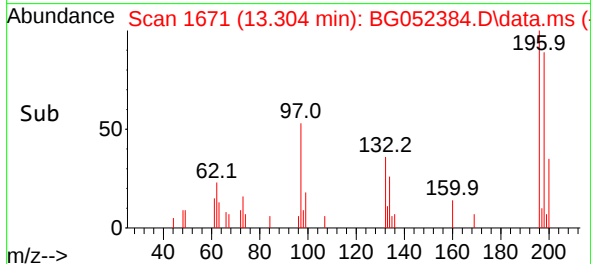
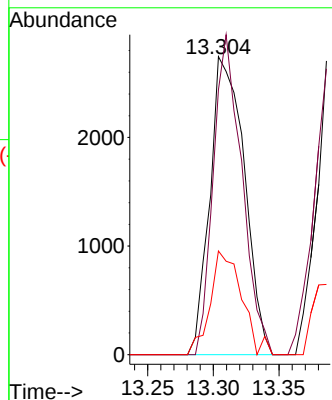
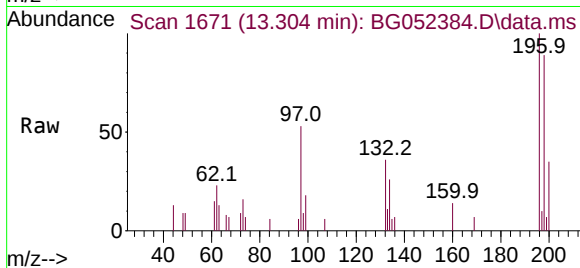
Tgt Ion:196 Resp: 5007

Ion Ratio Lower Upper

196 100

198 88.9 78.4 117.6

200 34.8 28.5 42.7



#44

2,4,5-Trichlorophenol

Concen: 3.394 ng

RT: 13.392 min Scan# 1686

Delta R.T. 0.005 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Tgt Ion:196 Resp: 5534

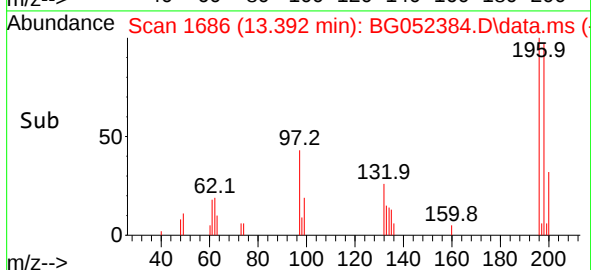
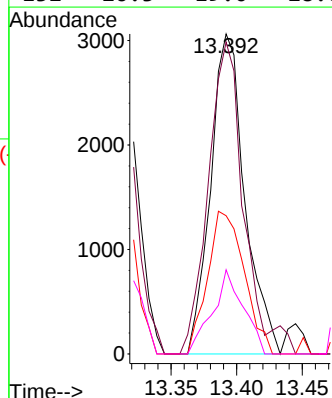
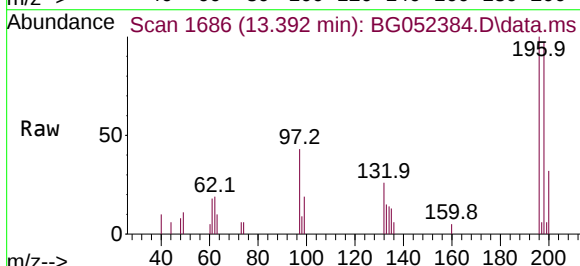
Ion Ratio Lower Upper

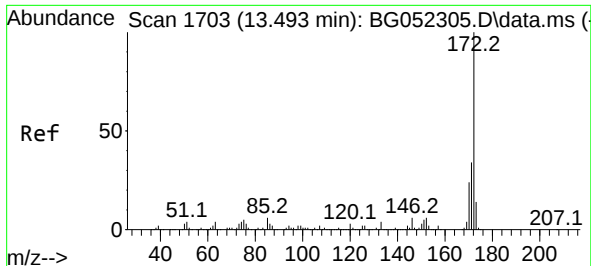
196 100

198 97.5 78.6 118.0

97 43.2 43.8 65.8#

132 26.3 19.0 28.6

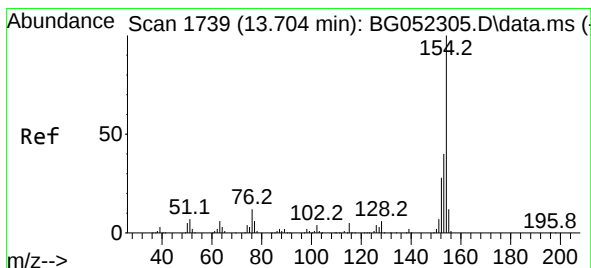
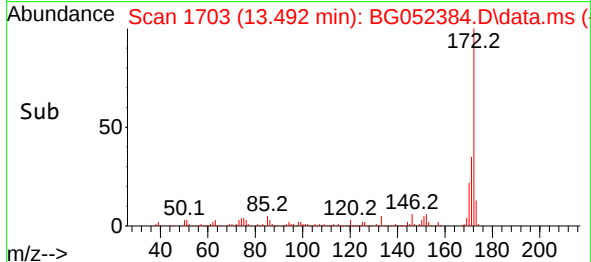
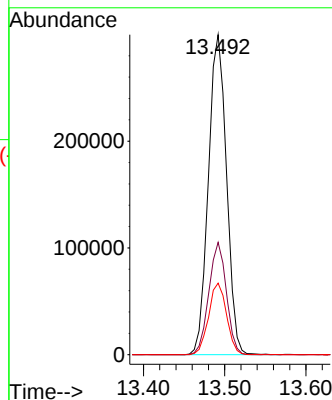
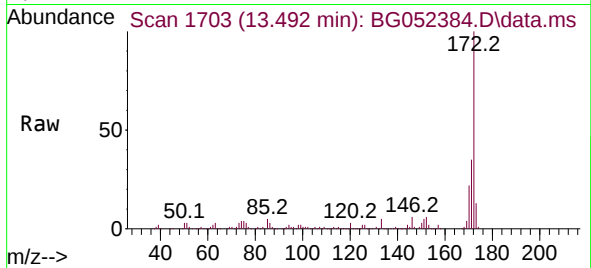




#45
2-Fluorobiphenyl
Concen: 92.213 ng
RT: 13.492 min Scan# 1703
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

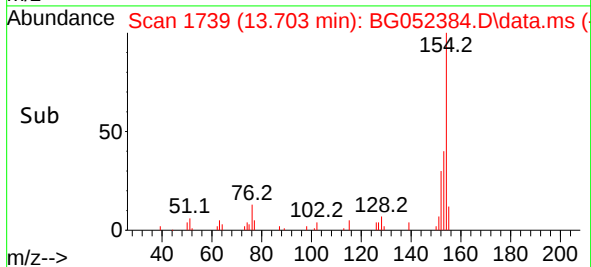
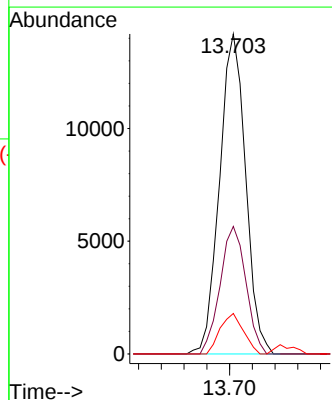
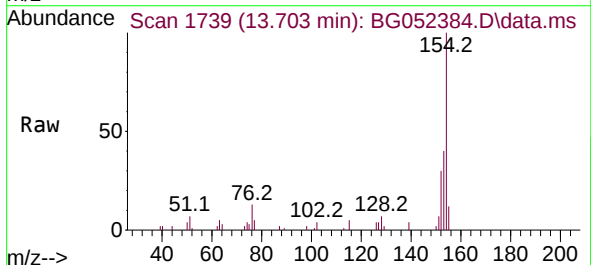
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

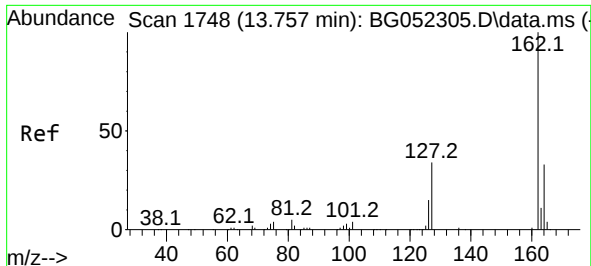
Tgt Ion:172 Resp: 464129
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 22.4 18.3 27.5



#46
1,1'-Biphenyl
Concen: 4.402 ng
RT: 13.703 min Scan# 1739
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:154 Resp: 22573
Ion Ratio Lower Upper
154 100
153 39.8 21.1 61.1
76 12.7 0.0 32.6

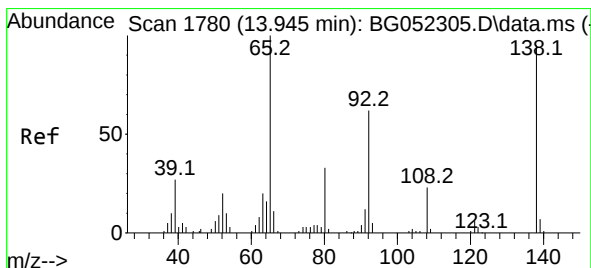
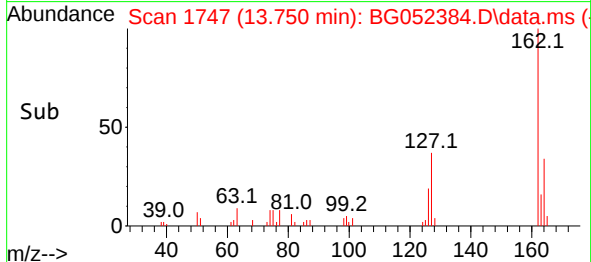
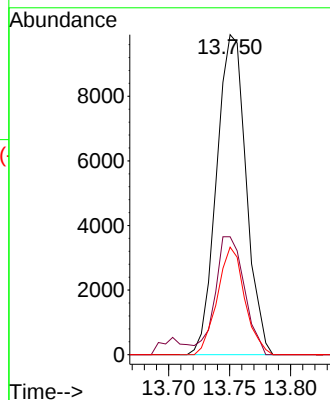
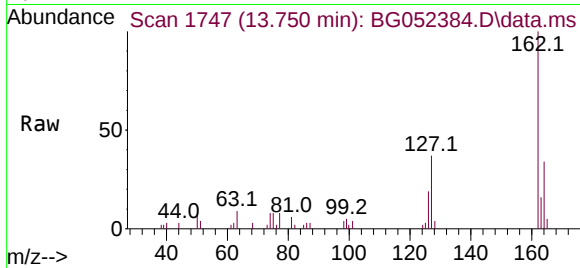




#47
2-Chloronaphthalene
Concen: 4.224 ng
RT: 13.750 min Scan# 1748
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

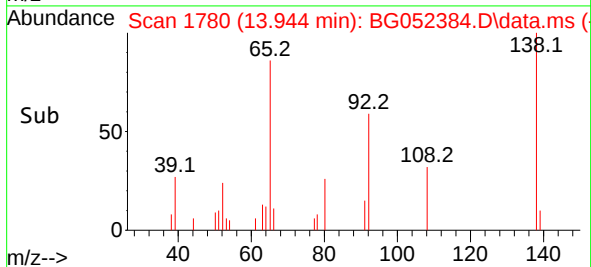
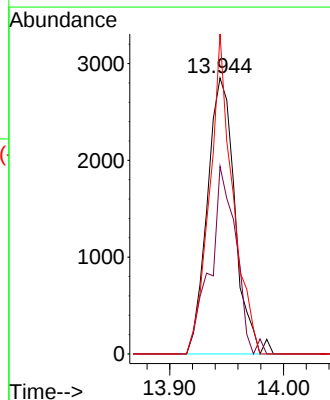
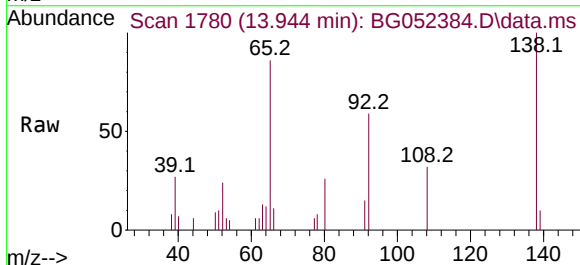
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

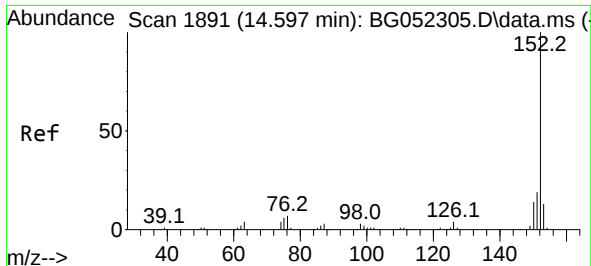
Tgt Ion:	162	Resp:	16688
Ion Ratio	Lower	Upper	
162	100		
127	36.9	30.4	45.6
164	33.6	25.0	37.4



#48
2-Nitroaniline
Concen: 3.412 ng
RT: 13.944 min Scan# 1780
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:	65	Resp:	4800
Ion Ratio	Lower	Upper	
65	100		
92	67.9	51.0	76.6
138	116.0	72.4	108.6#

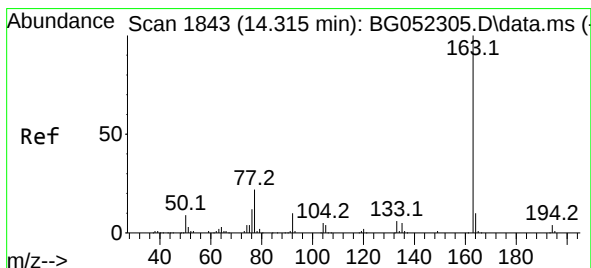
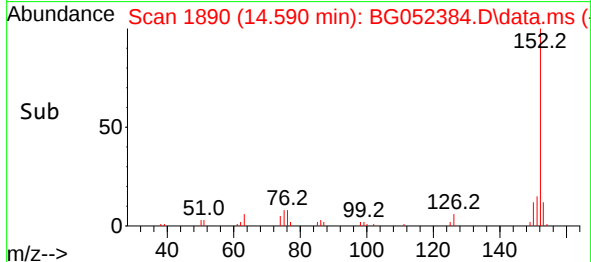
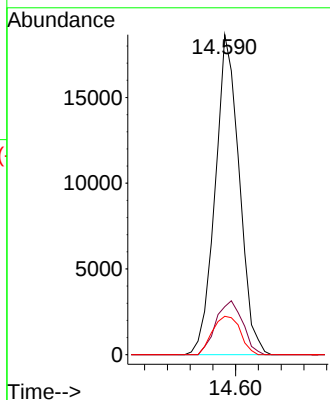
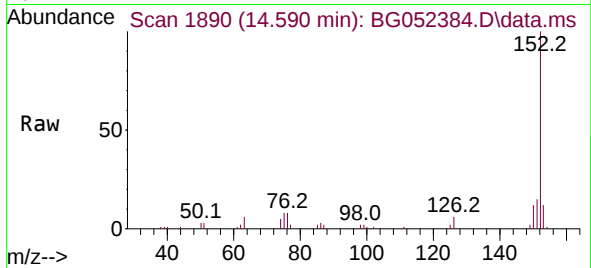




#49
Acenaphthylene
Concen: 4.264 ng
RT: 14.590 min Scan# 1890
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

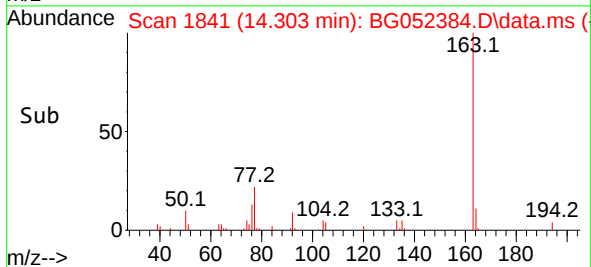
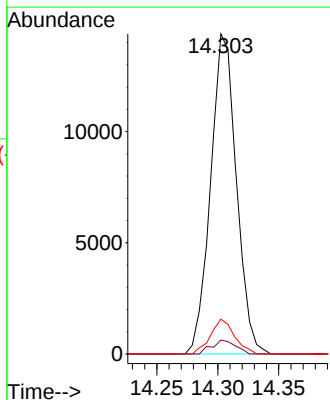
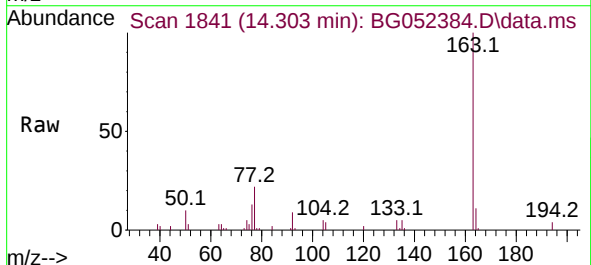
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

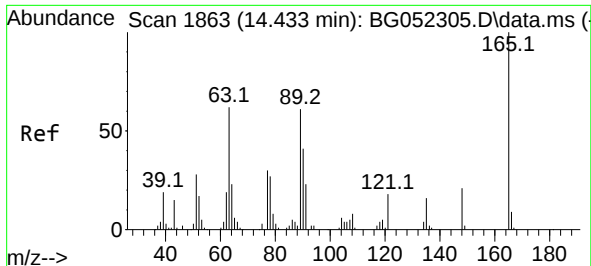
Tgt Ion:152 Resp: 27426
Ion Ratio Lower Upper
152 100
151 15.0 16.1 24.1#
153 12.0 10.8 16.2



#50
Dimethylphthalate
Concen: 3.957 ng
RT: 14.303 min Scan# 1841
Delta R.T. -0.013 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:163 Resp: 21200
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.8 8.4 12.6

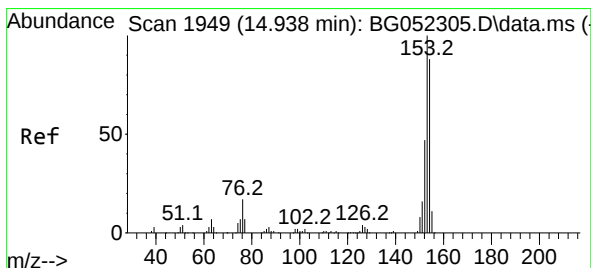
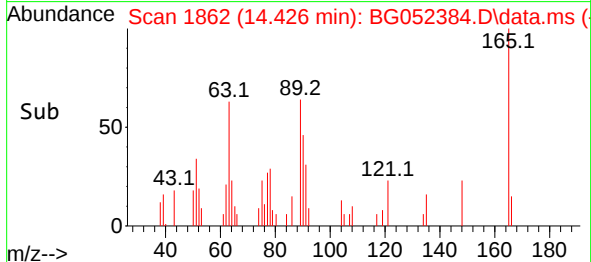
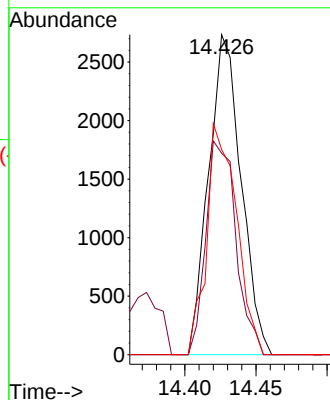
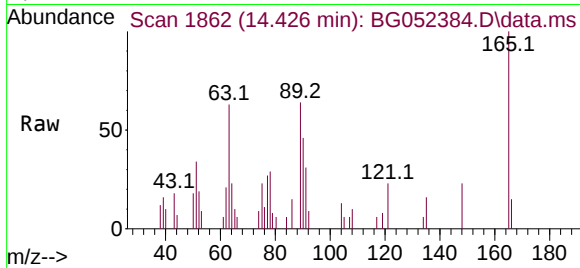




#51
2,6-Dinitrotoluene
Concen: 3.752 ng
RT: 14.426 min Scan# 1862
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

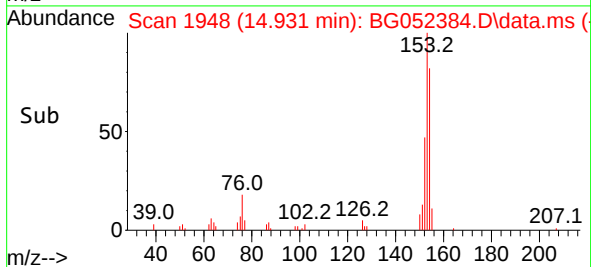
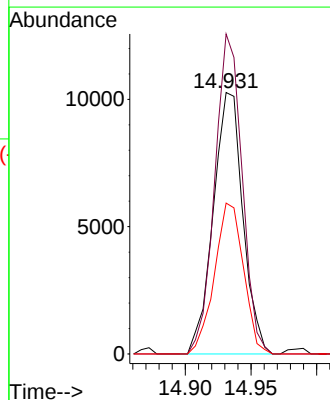
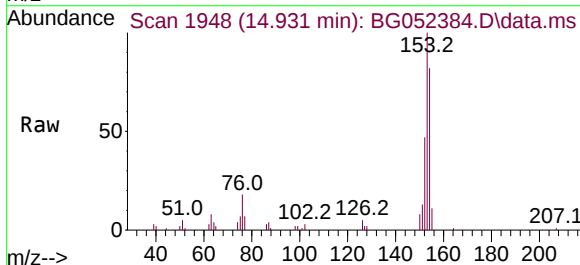
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

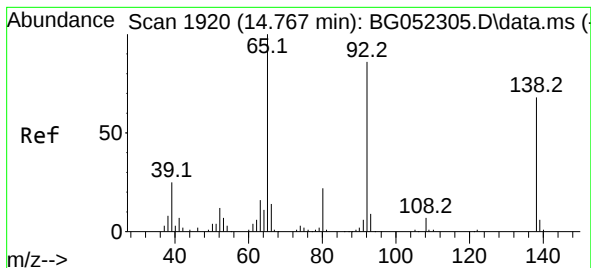
Tgt Ion:165 Resp: 4338
Ion Ratio Lower Upper
165 100
63 62.9 59.0 88.4
89 64.1 49.4 74.0



#52
Acenaphthene
Concen: 3.828 ng
RT: 14.931 min Scan# 1948
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:154 Resp: 16124
Ion Ratio Lower Upper
154 100
153 122.4 91.9 137.9
152 57.7 43.4 65.2





#53

3-Nitroaniline

Concen: 3.586 ng

RT: 14.761 min Scan# 1919

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

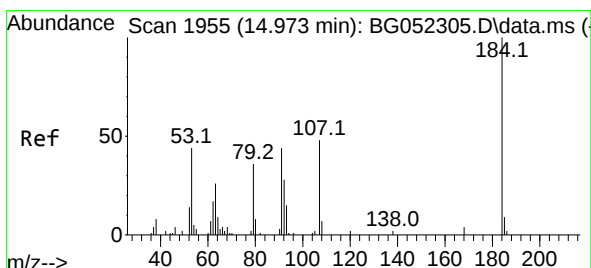
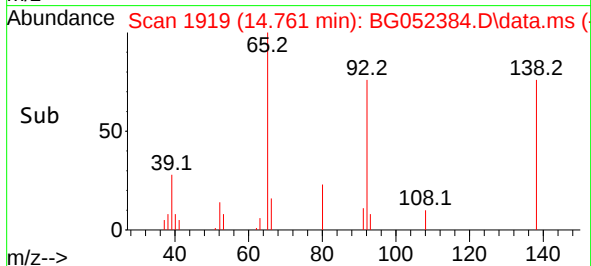
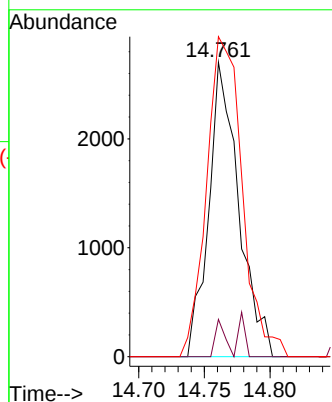
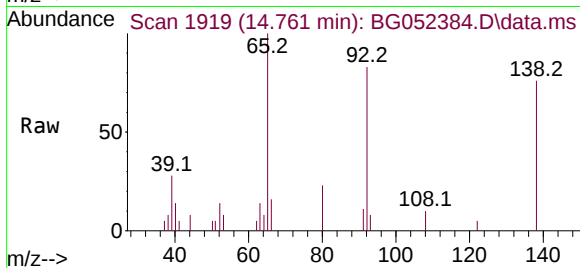
Tgt Ion:138 Resp: 4309

Ion Ratio Lower Upper

138 100

108 12.7 7.8 11.8#

92 108.7 100.4 150.6



#54

2,4-Dinitrophenol

Concen: 0.546 ng

RT: 14.984 min Scan# 1957

Delta R.T. 0.011 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

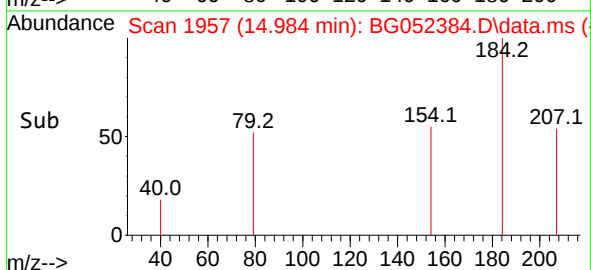
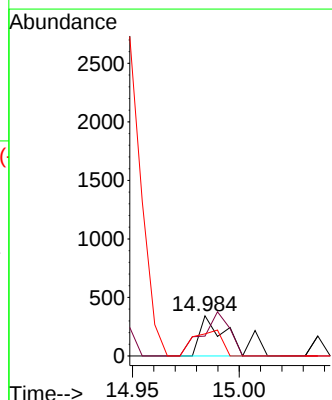
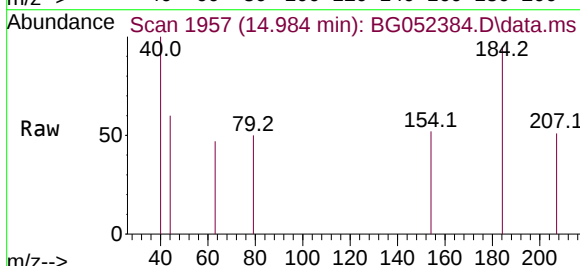
Tgt Ion:184 Resp: 342

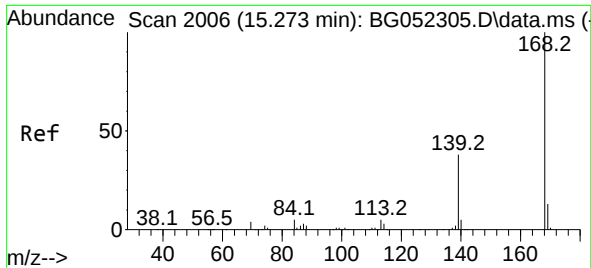
Ion Ratio Lower Upper

184 100

63 49.3 56.0 84.0#

154 55.1 50.2 75.2

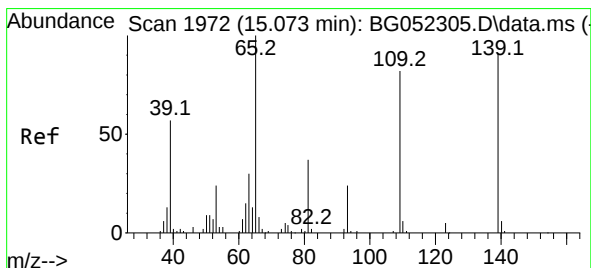
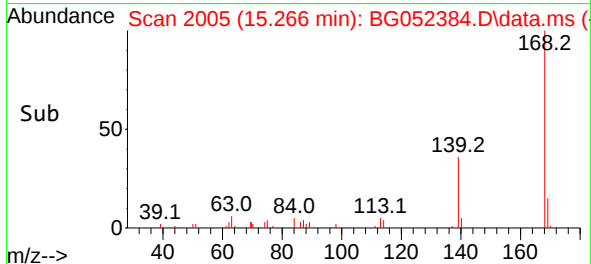
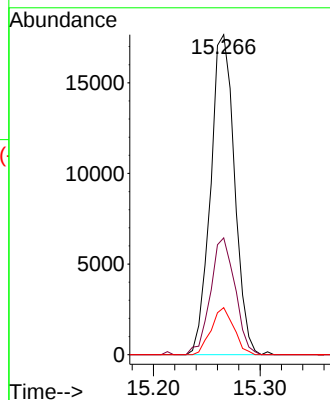
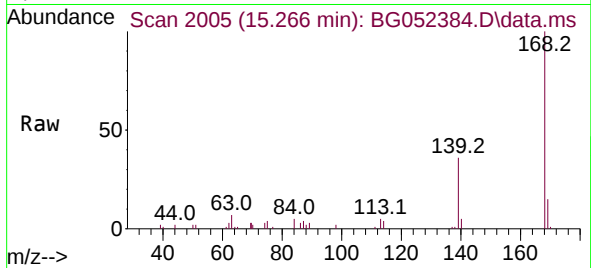




#55
Dibenzofuran
Concen: 4.158 ng
RT: 15.266 min Scan# 2006
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

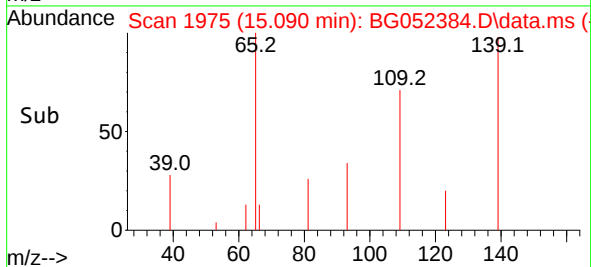
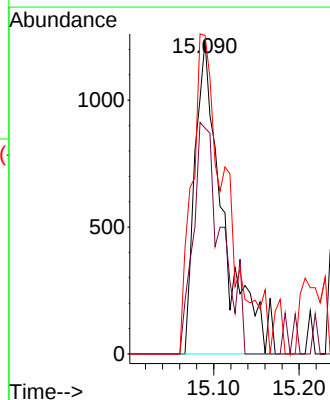
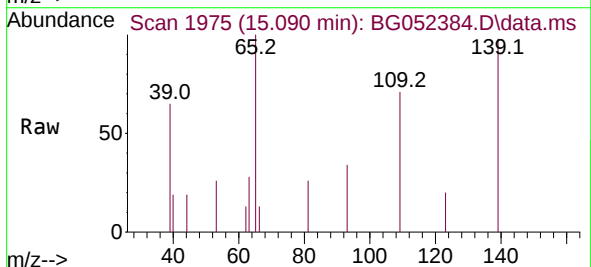
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

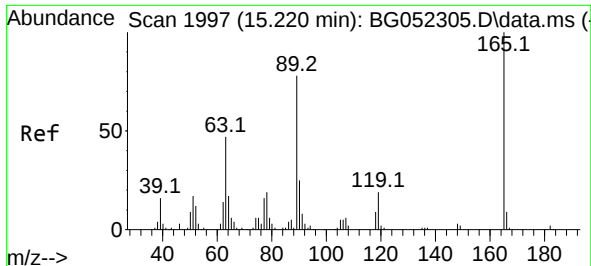
Tgt Ion:168 Resp: 27541
Ion Ratio Lower Upper
168 100
139 36.5 30.7 46.1
169 14.7 10.9 16.3



#56
4-Nitrophenol
Concen: 3.169 ng
RT: 15.090 min Scan# 1975
Delta R.T. 0.017 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:139 Resp: 2860
Ion Ratio Lower Upper
139 100
109 72.0 84.9 124.9#
65 101.6 109.9 149.9#





#57

2,4-Dinitrotoluene

Concen: 3.965 ng

RT: 15.213 min Scan# 1996

Delta R.T. -0.007 min

Lab File: BG052384.D

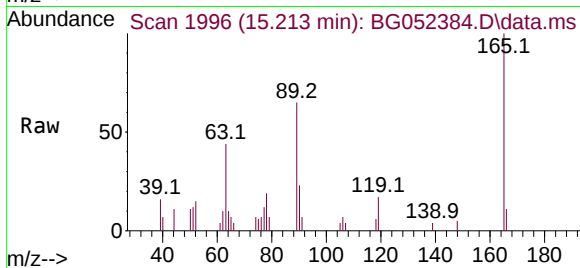
Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021



Tgt Ion:165 Resp: 6524

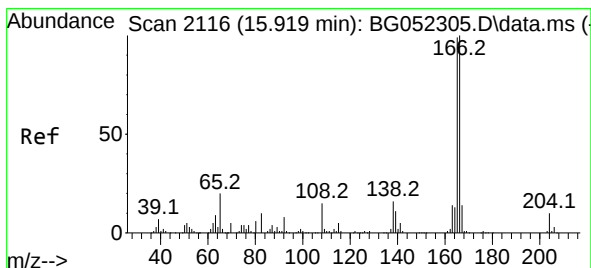
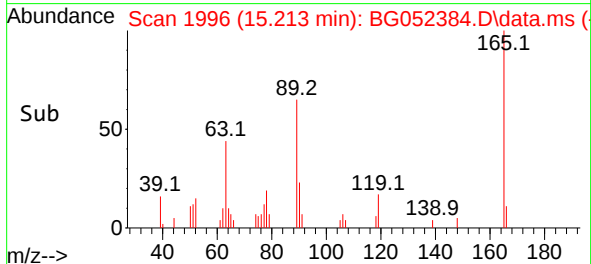
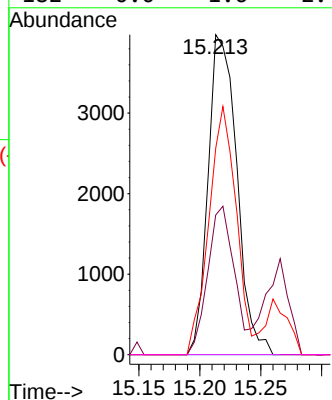
Ion Ratio Lower Upper

165 100

63 43.7 44.6 66.8#

89 64.5 67.4 101.0#

182 0.0 1.6 2.4#



#58

Fluorene

Concen: 4.189 ng

RT: 15.912 min Scan# 2115

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

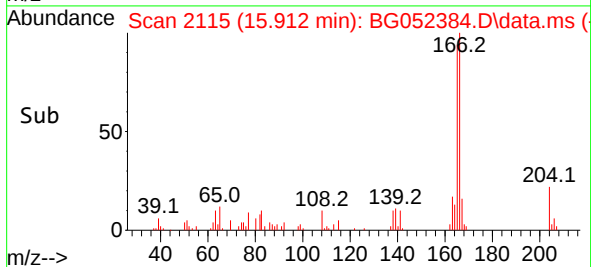
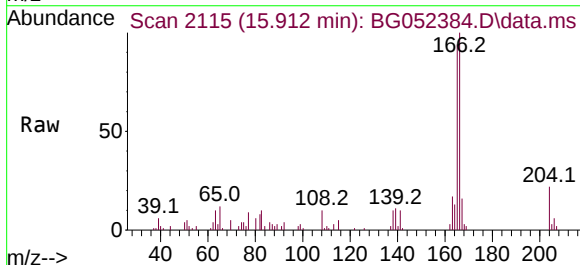
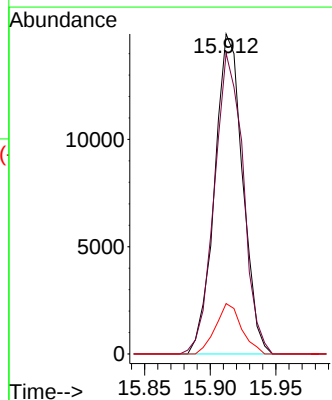
Tgt Ion:166 Resp: 22154

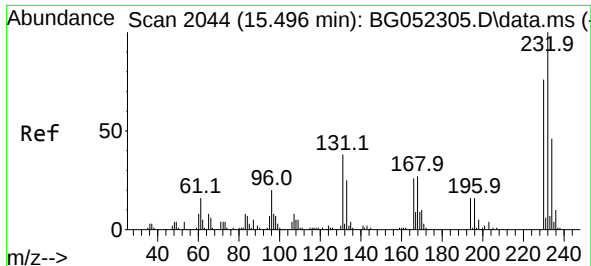
Ion Ratio Lower Upper

166 100

165 93.9 80.0 120.0

167 15.7 11.1 16.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.524 ng

RT: 15.489 min Scan# 2043

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:232 Resp: 5488

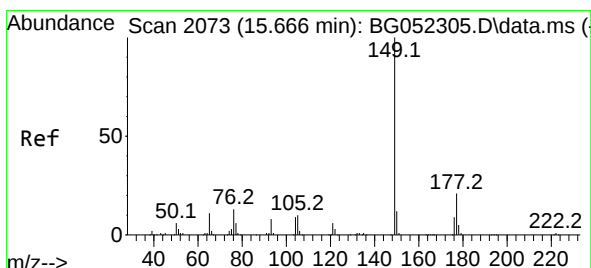
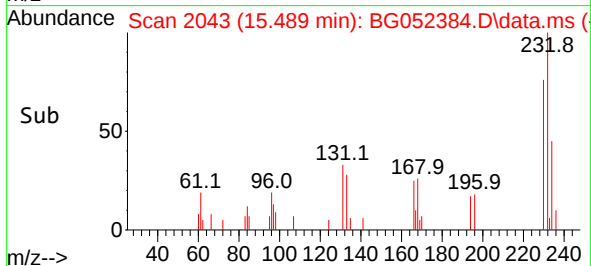
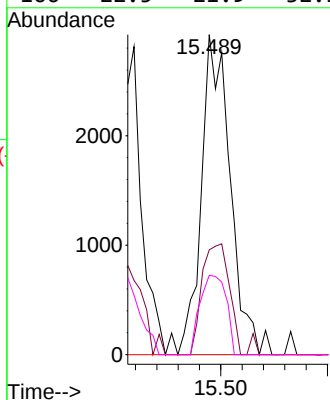
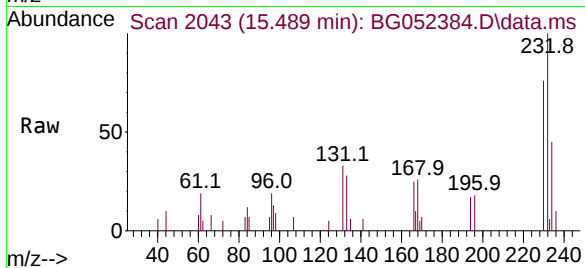
Ion Ratio Lower Upper

232 100

131 32.7 32.2 48.4

130 0.0 2.2 3.4#

166 22.5 21.9 32.9



#60

Diethylphthalate

Concen: 3.910 ng

RT: 15.665 min Scan# 2073

Delta R.T. -0.001 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

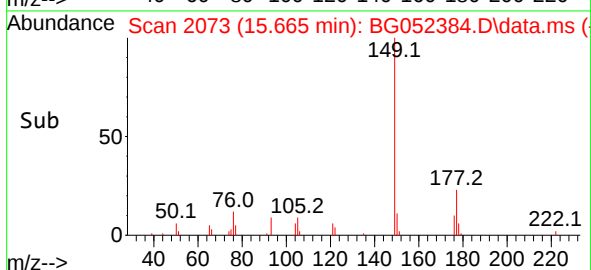
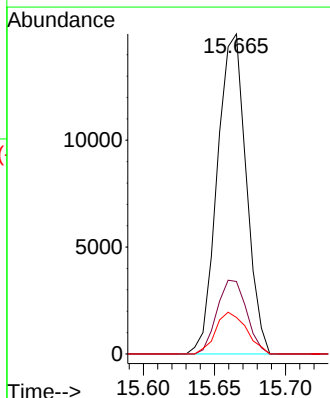
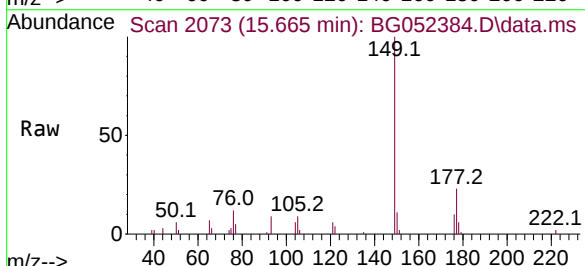
Tgt Ion:149 Resp: 21160

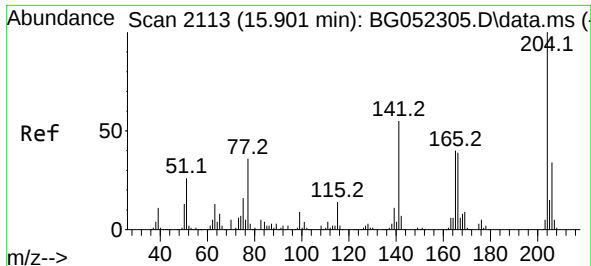
Ion Ratio Lower Upper

149 100

177 22.6 17.8 26.6

150 11.4 9.2 13.8

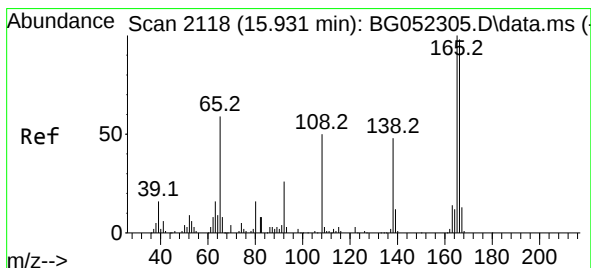
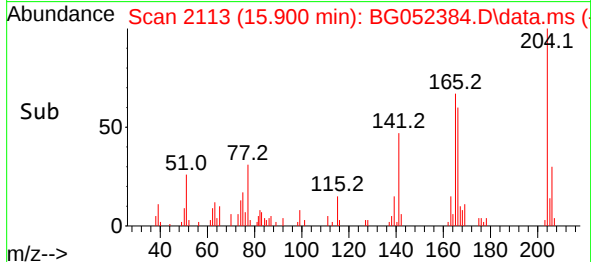
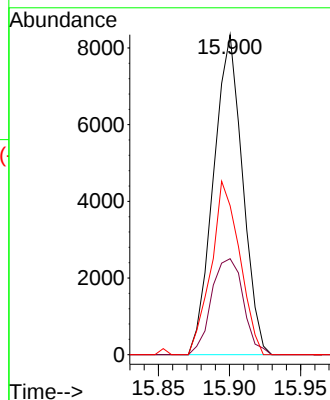
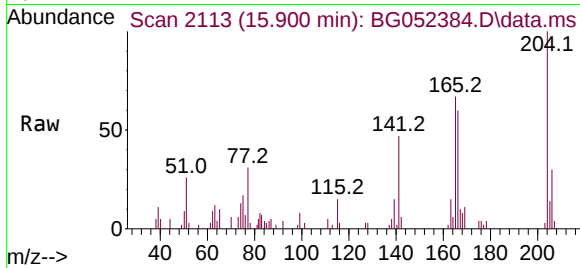




#61
4-Chlorophenyl-phenylether
Concen: 3.937 ng
RT: 15.900 min Scan# 2113
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

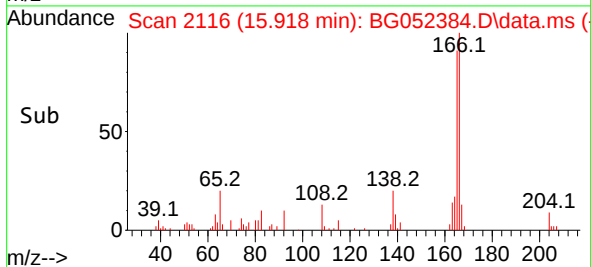
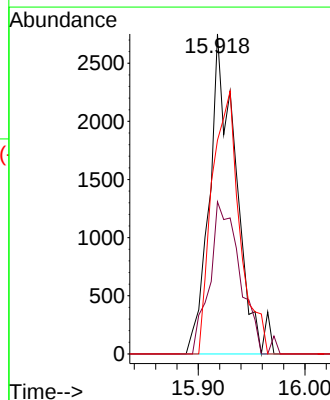
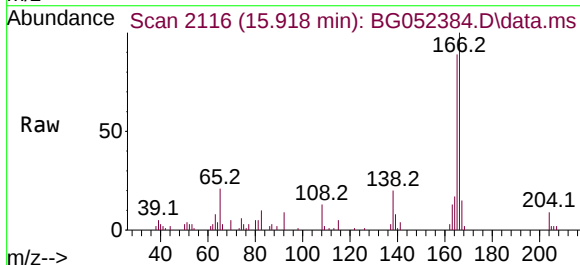
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

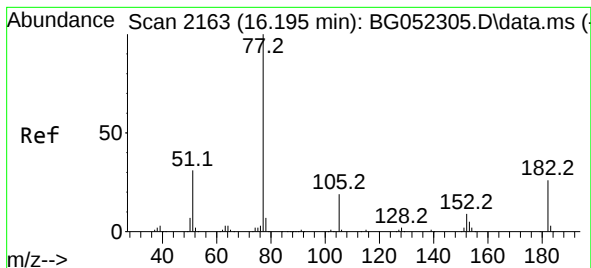
Tgt Ion:	204	Resp:	11860
Ion Ratio	Lower	Upper	
204	100		
206	30.0	28.4	42.6
141	46.5	41.8	62.6



#62
4-Nitroaniline
Concen: 3.753 ng
RT: 15.918 min Scan# 2116
Delta R.T. -0.013 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:	138	Resp:	4748
Ion Ratio	Lower	Upper	
138	100		
92	47.5	35.5	75.5
108	66.8	96.4	136.4#





#63

Azobenzene

Concen: 4.000 ng

RT: 16.194 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG052384.D

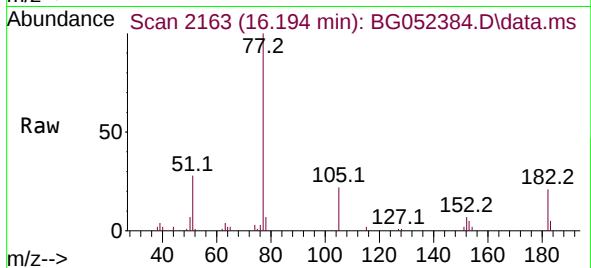
Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021



Tgt Ion: 77 Resp: 22160

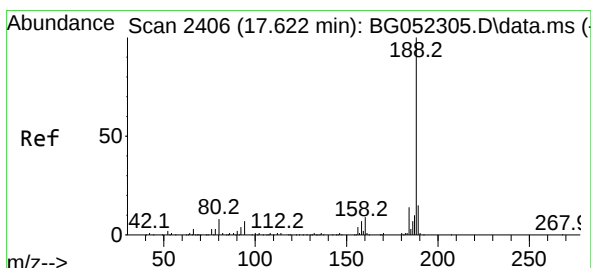
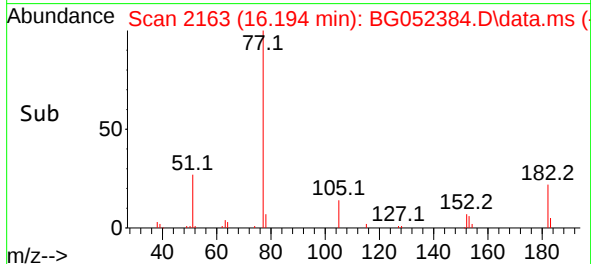
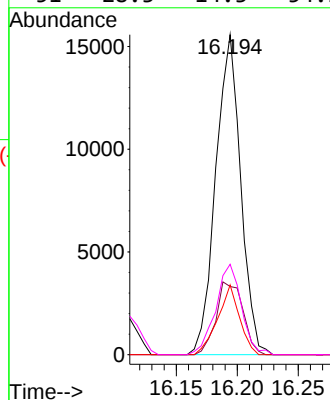
Ion Ratio Lower Upper

77 100

182 21.3 4.1 44.1

105 21.8 0.0 37.5

51 28.3 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.616 min Scan# 2405

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

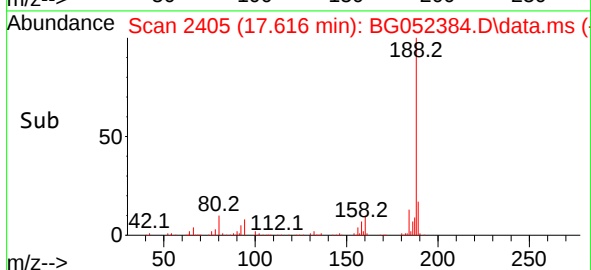
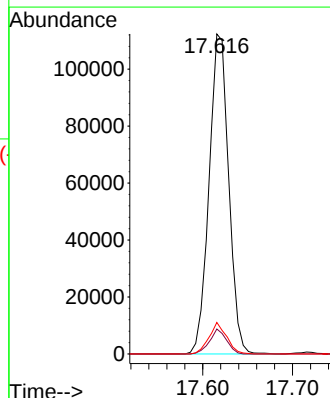
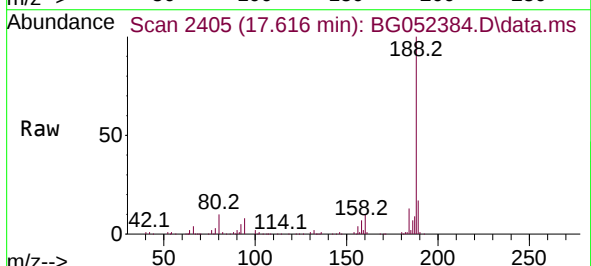
Tgt Ion:188 Resp: 170103

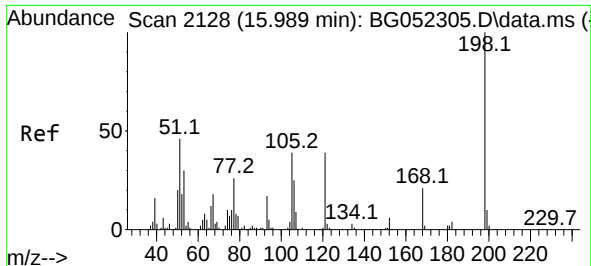
Ion Ratio Lower Upper

188 100

94 7.8 5.9 8.9

80 9.9 6.6 10.0

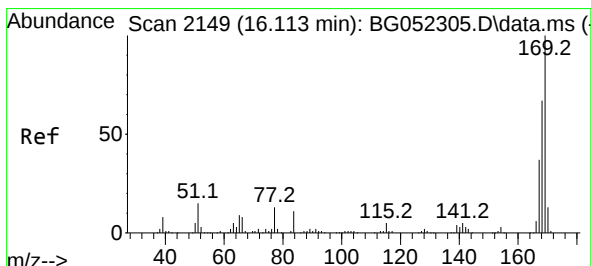
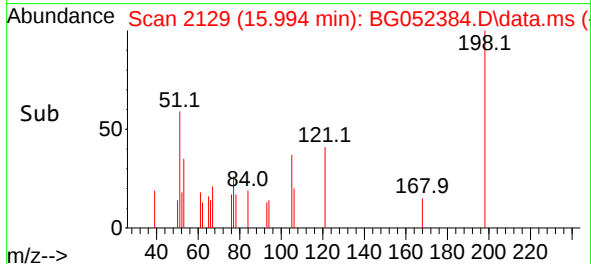
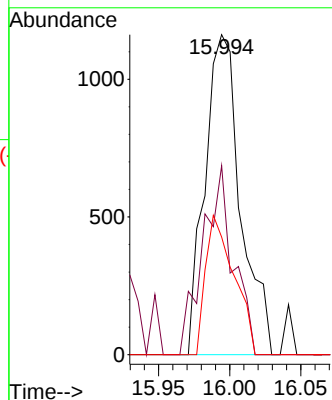
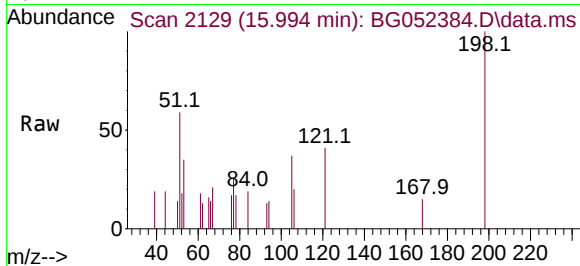




#65
4,6-Dinitro-2-methylphenol
Concen: 1.989 ng
RT: 15.994 min Scan# 2128
Delta R.T. 0.005 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

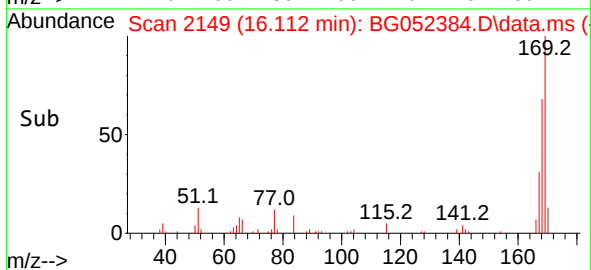
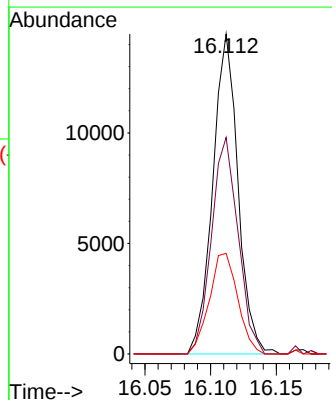
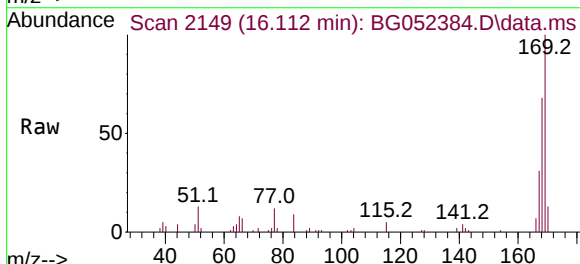
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

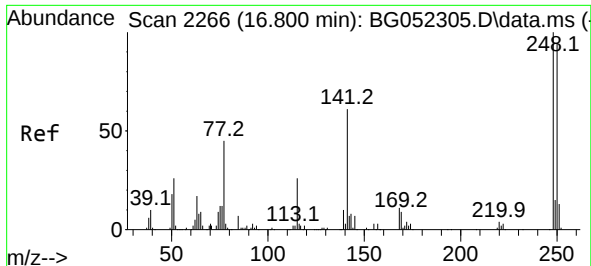
Tgt Ion:198 Resp: 2035
Ion Ratio Lower Upper
198 100
51 59.0 31.6 71.6
105 36.7 22.3 62.3



#66
n-Nitrosodiphenylamine
Concen: 4.132 ng
RT: 16.112 min Scan# 2149
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:169 Resp: 19368
Ion Ratio Lower Upper
169 100
168 67.7 57.4 86.0
167 31.5 29.5 44.3

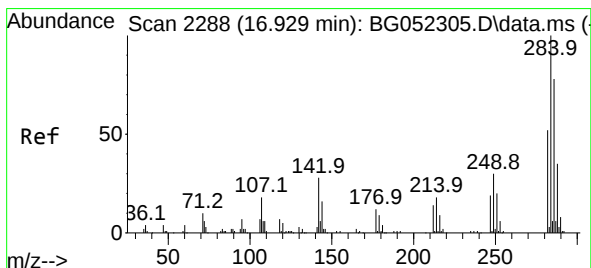
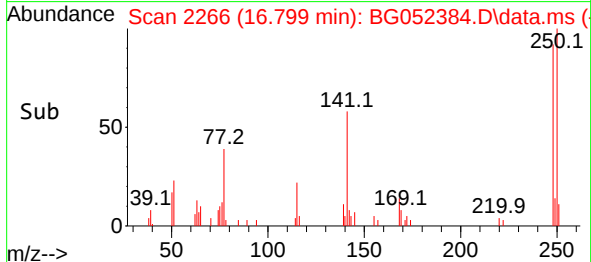
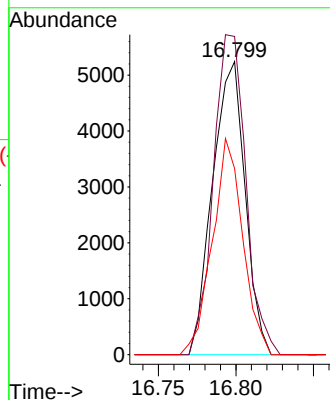
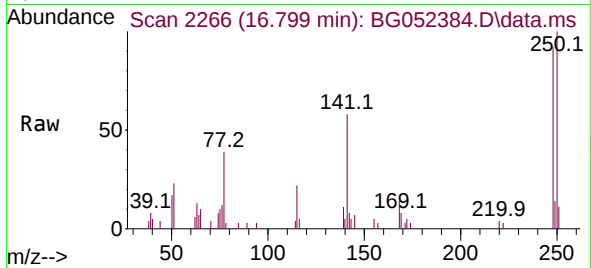




#67
4-Bromophenyl-phenylether
Concen: 3.692 ng
RT: 16.799 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

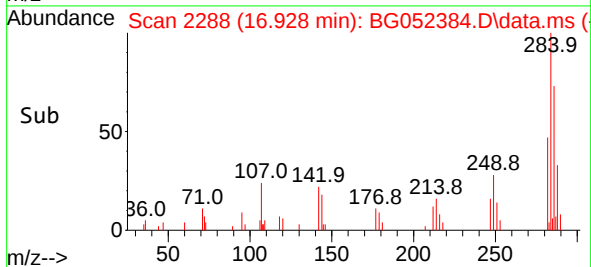
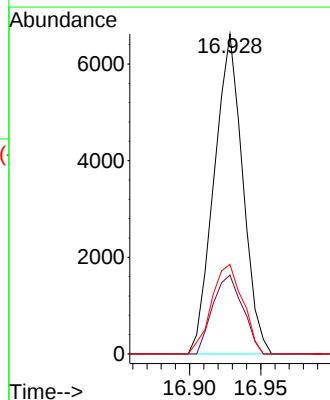
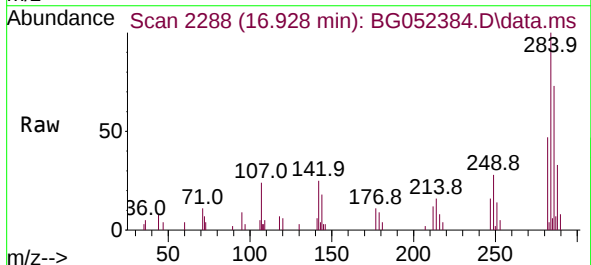
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

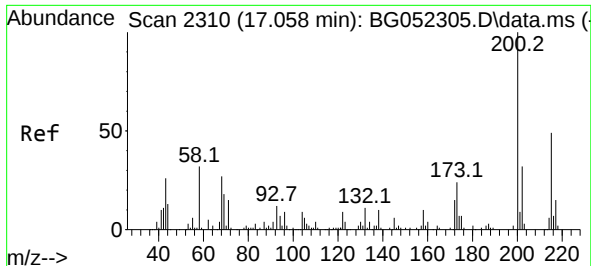
Tgt Ion:248 Resp: 7638
Ion Ratio Lower Upper
248 100
250 108.6 79.6 119.4
141 63.5 54.6 81.8



#68
Hexachlorobenzene
Concen: 4.122 ng
RT: 16.928 min Scan# 2288
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:284 Resp: 9248
Ion Ratio Lower Upper
284 100
142 24.6 26.2 39.2#
249 28.0 26.9 40.3

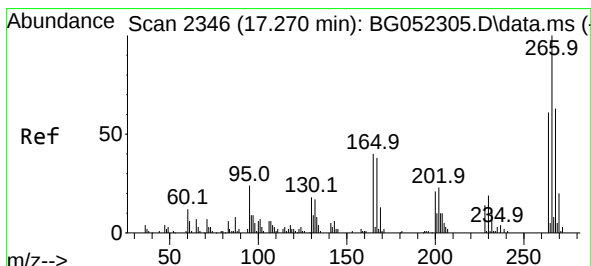
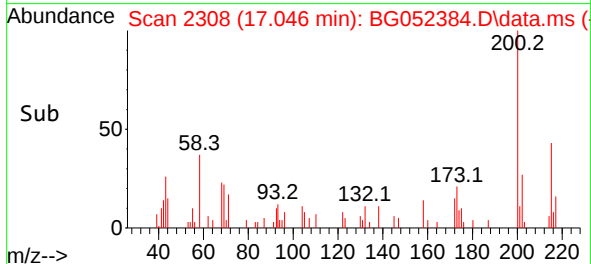
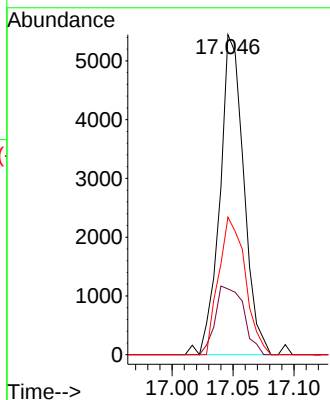
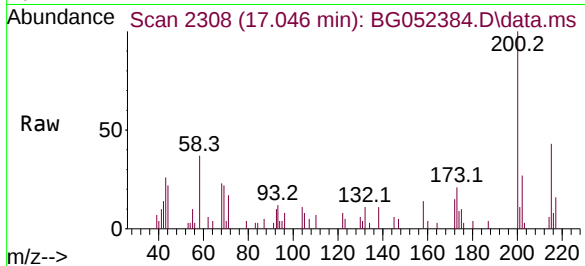




#69
 Atrazine
 Concen: 3.928 ng
 RT: 17.046 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: BG052384.D
 Acq: 14 Feb 2022 15:22

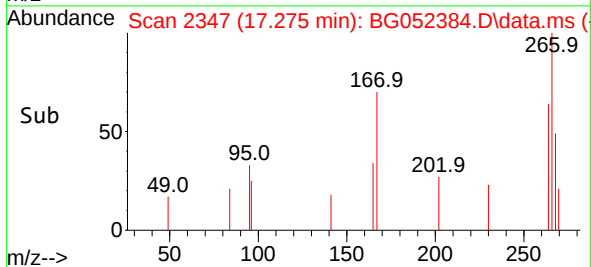
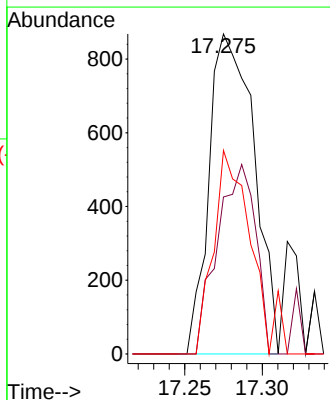
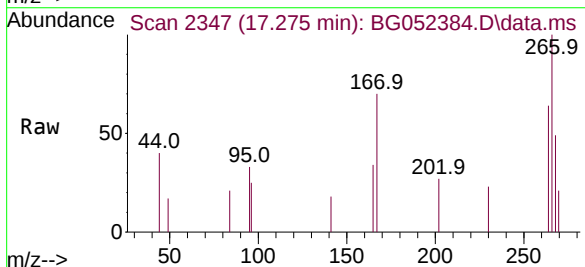
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

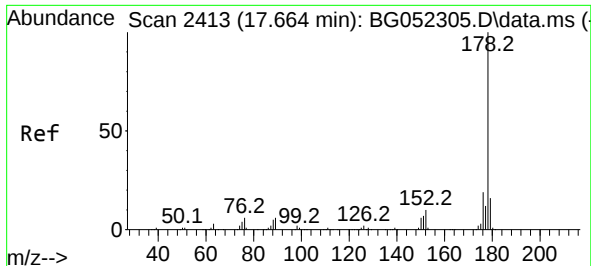
Tgt Ion:200 Resp: 7442
 Ion Ratio Lower Upper
 200 100
 173 20.5 3.3 43.3
 215 42.9 24.4 64.4



#70
 Pentachlorophenol
 Concen: 1.592 ng
 RT: 17.275 min Scan# 2347
 Delta R.T. 0.005 min
 Lab File: BG052384.D
 Acq: 14 Feb 2022 15:22

Tgt Ion:266 Resp: 1747
 Ion Ratio Lower Upper
 266 100
 268 49.1 50.6 75.8#
 264 63.6 52.2 78.2

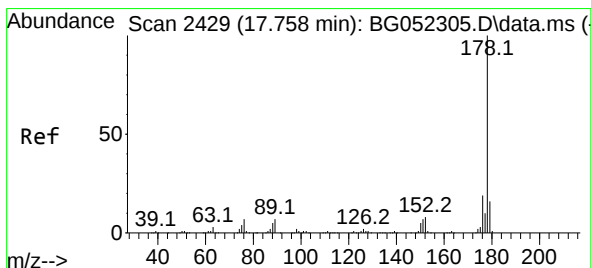
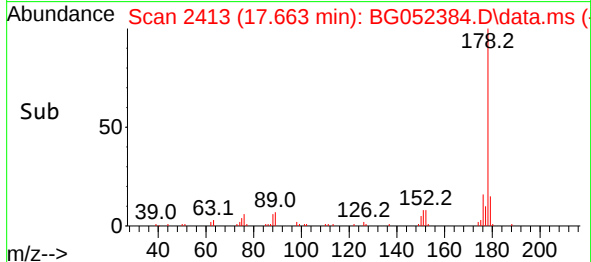
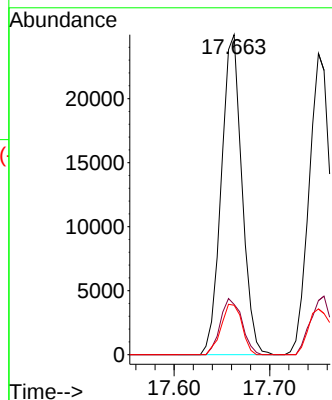
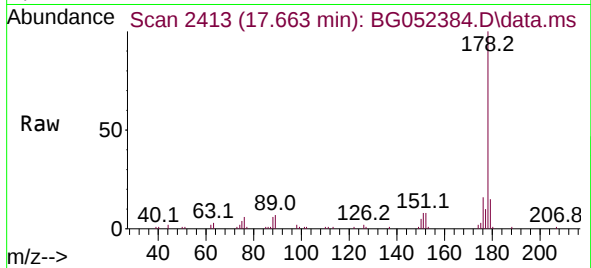




#71
Phenanthrene
Concen: 4.256 ng m
RT: 17.663 min Scan# 2413
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

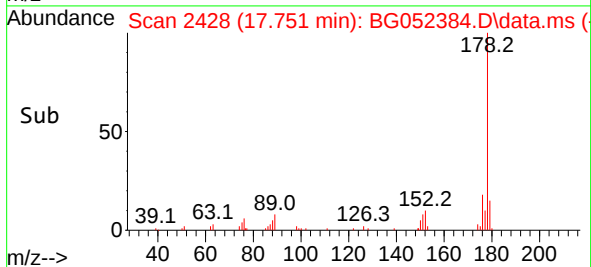
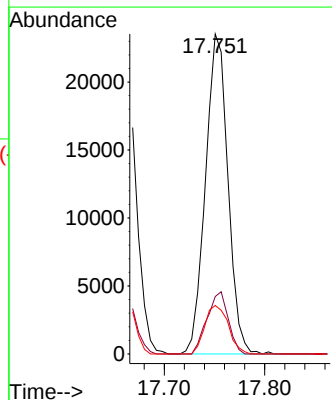
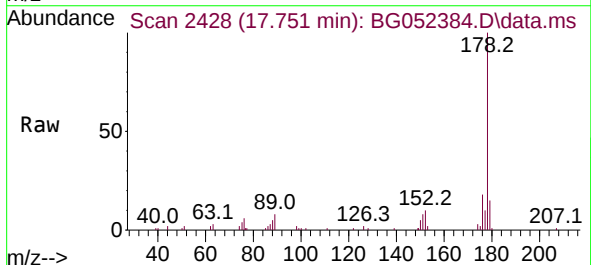
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

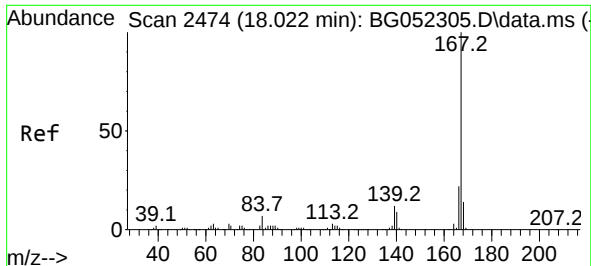
Tgt Ion:178 Resp: 37320
Ion Ratio Lower Upper
178 100
176 15.7 16.6 25.0#
179 15.4 12.6 18.8



#72
Anthracene
Concen: 4.265 ng
RT: 17.751 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:178 Resp: 36650
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 15.2 13.1 19.7

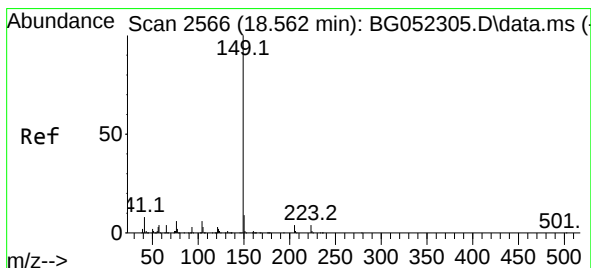
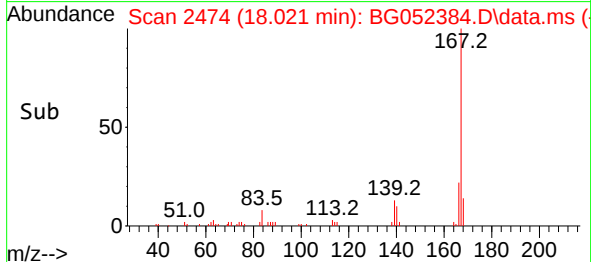
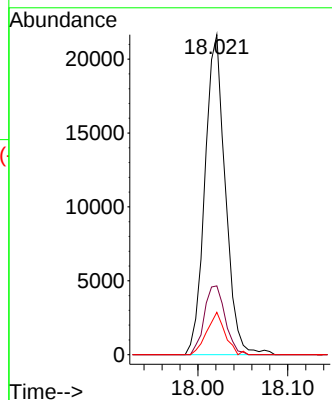
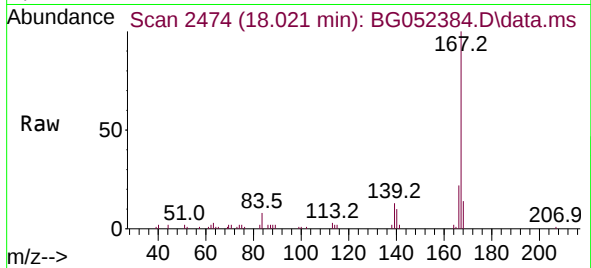




#73
 Carbazole
 Concen: 4.075 ng
 RT: 18.021 min Scan# 2474
 Delta R.T. -0.001 min
 Lab File: BG052384.D
 Acq: 14 Feb 2022 15:22

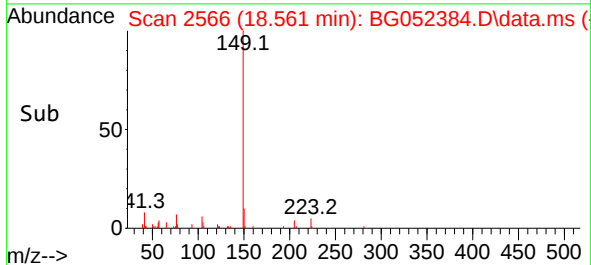
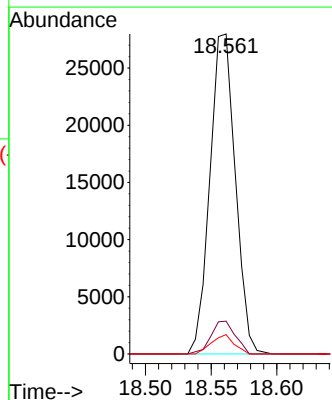
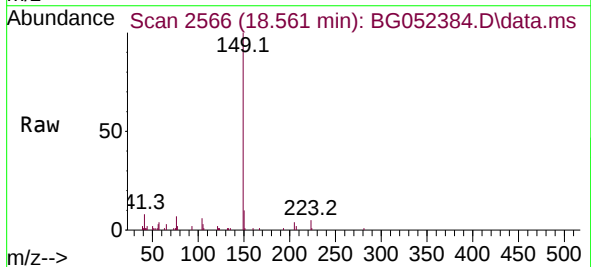
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

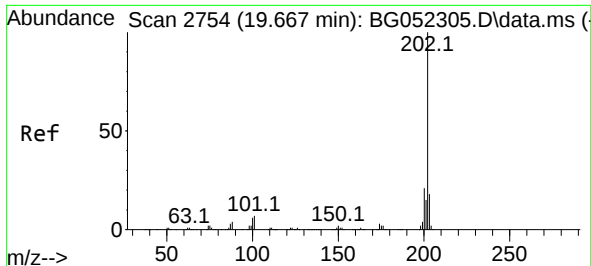
Tgt Ion:167	Resp:	34148
Ion Ratio	Lower	Upper
167	100	
166	21.5	17.8 26.6
139	13.3	10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 4.133 ng
 RT: 18.561 min Scan# 2566
 Delta R.T. -0.001 min
 Lab File: BG052384.D
 Acq: 14 Feb 2022 15:22

Tgt Ion:149	Resp:	37741
Ion Ratio	Lower	Upper
149	100	
150	10.3	7.4 11.0
104	6.1	5.4 8.2

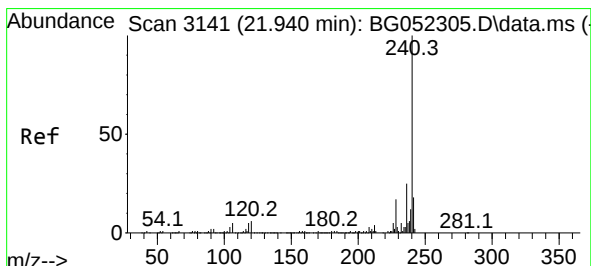
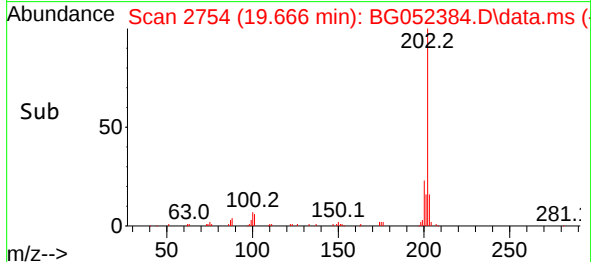
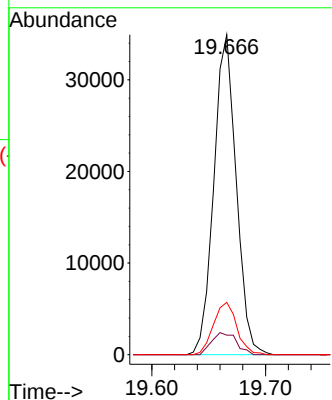
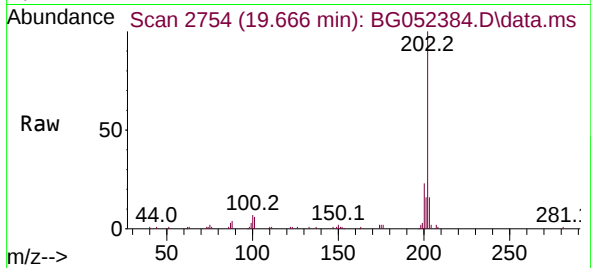




#75
Fluoranthene
Concen: 4.281 ng
RT: 19.666 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

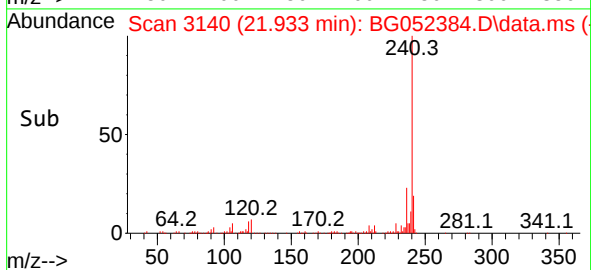
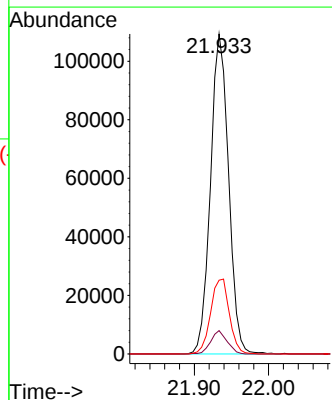
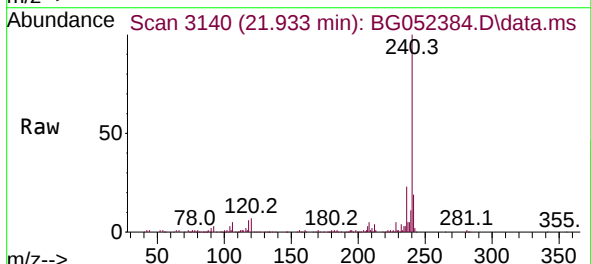
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

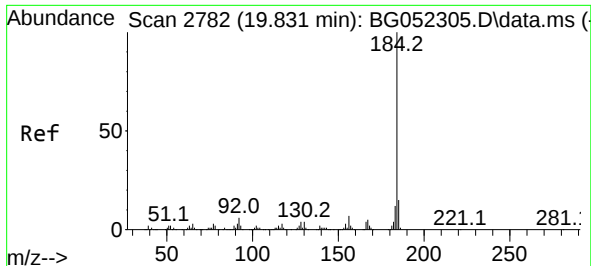
Tgt Ion:202 Resp: 47803
Ion Ratio Lower Upper
202 100
101 6.1 0.0 27.1
203 16.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.933 min Scan# 3140
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:240 Resp: 185381
Ion Ratio Lower Upper
240 100
120 7.3 4.4 6.6#
236 23.1 20.8 31.2

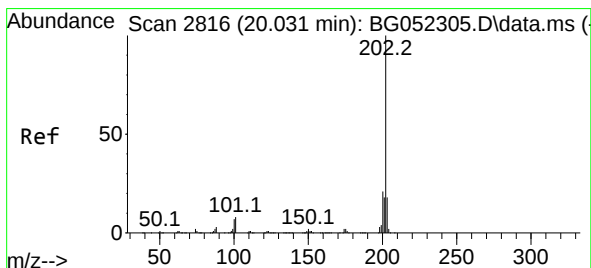
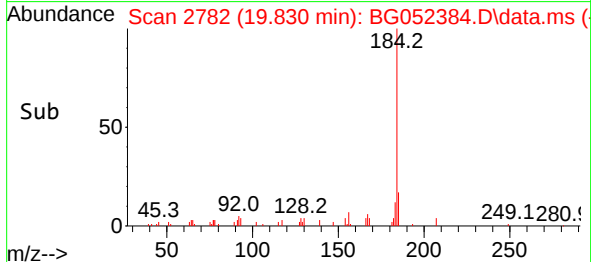
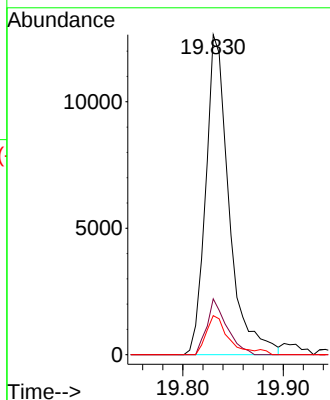
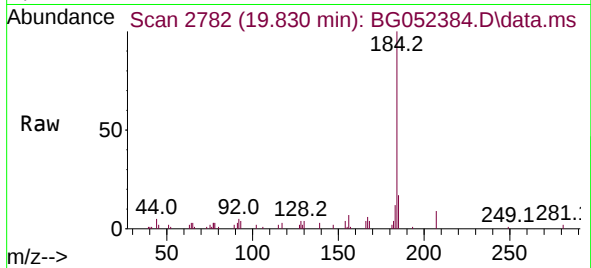




#77
Benzidine
Concen: 5.143 ng
RT: 19.830 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

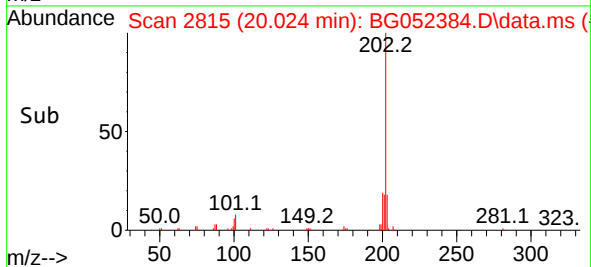
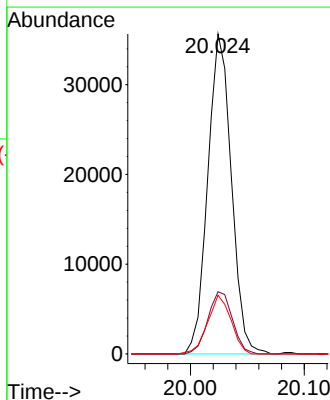
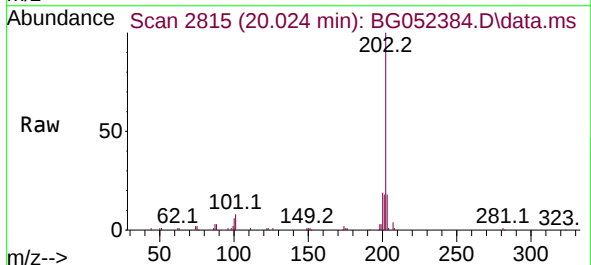
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

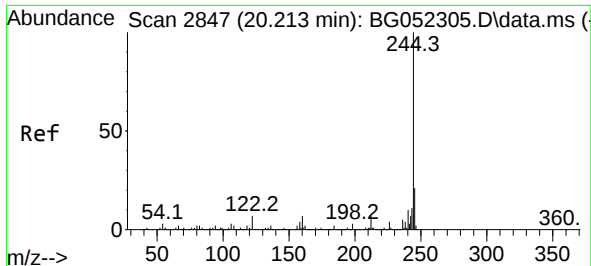
Tgt Ion:184 Resp: 20373
Ion Ratio Lower Upper
184 100
185 17.5 11.8 17.8
183 12.2 9.8 14.6



#78
Pyrene
Concen: 4.138 ng
RT: 20.024 min Scan# 2815
Delta R.T. -0.007 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:202 Resp: 51331
Ion Ratio Lower Upper
202 100
200 19.5 17.4 26.2
203 18.3 14.5 21.7

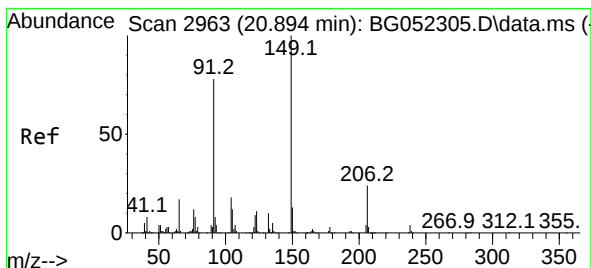
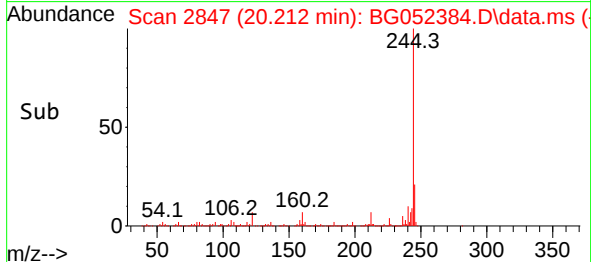
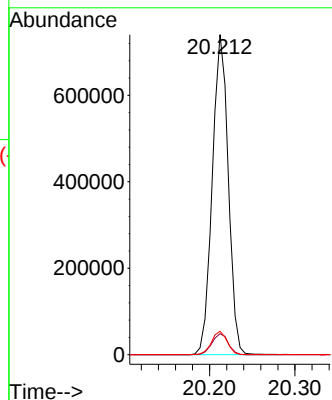
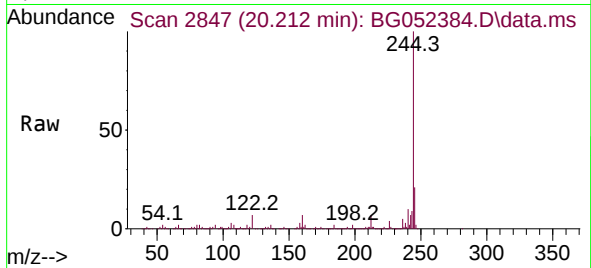




#79
 Terphenyl-d14
 Concen: 91.736 ng
 RT: 20.212 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG052384.D
 Acq: 14 Feb 2022 15:22

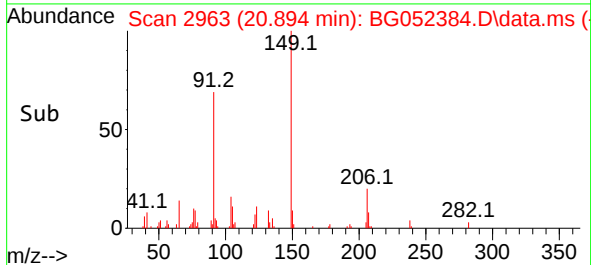
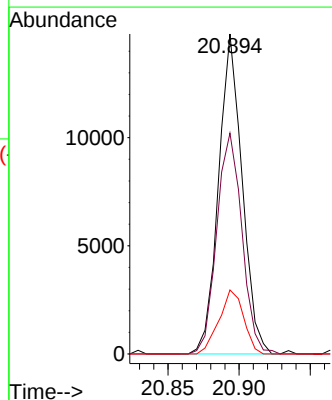
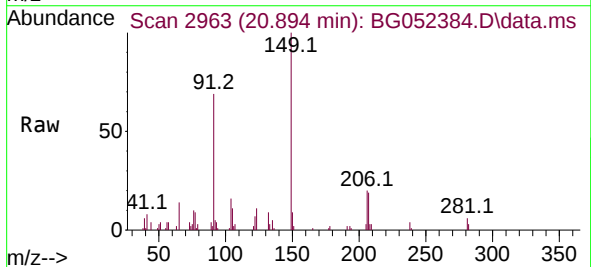
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

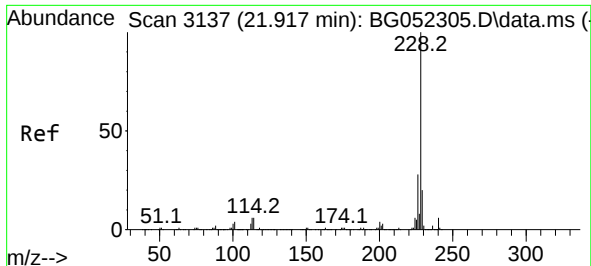
Tgt Ion:244 Resp: 963049
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 7.3 6.2 9.4



#80
 Butylbenzylphthalate
 Concen: 3.953 ng
 RT: 20.894 min Scan# 2963
 Delta R.T. -0.001 min
 Lab File: BG052384.D
 Acq: 14 Feb 2022 15:22

Tgt Ion:149 Resp: 17032
 Ion Ratio Lower Upper
 149 100
 91 69.0 64.0 96.0
 206 20.0 19.3 28.9

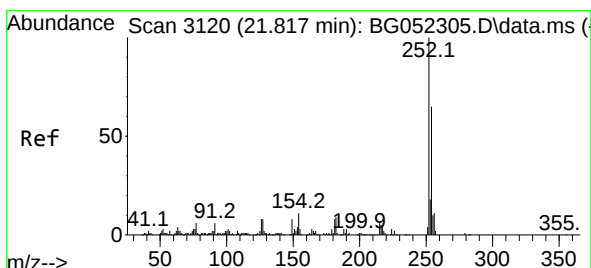
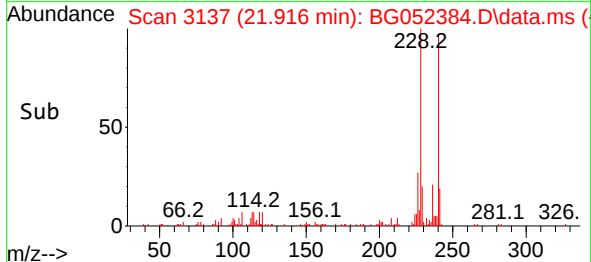
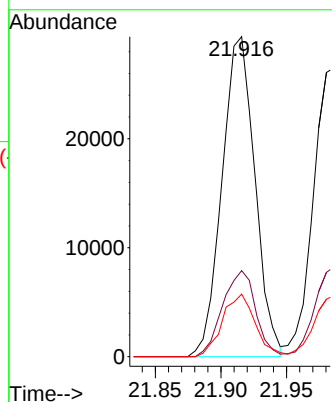
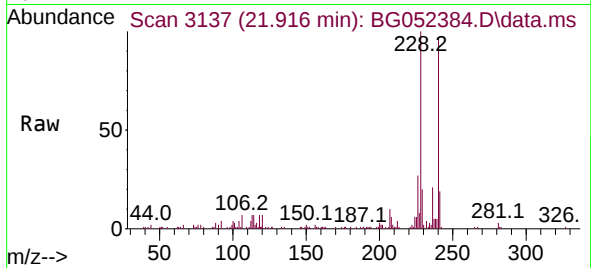




#81
Benzo(a)anthracene
Concen: 4.176 ng
RT: 21.916 min Scan# 3137
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

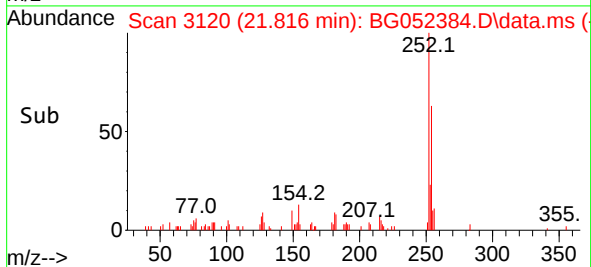
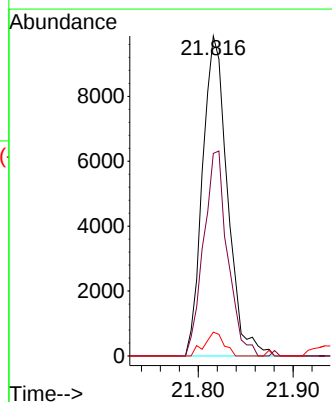
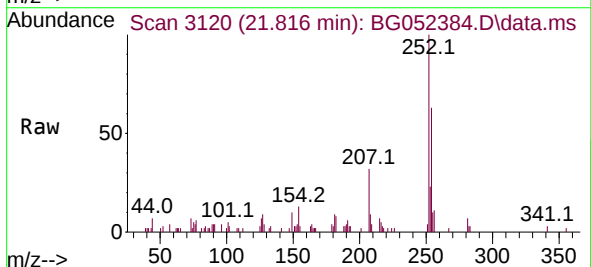
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

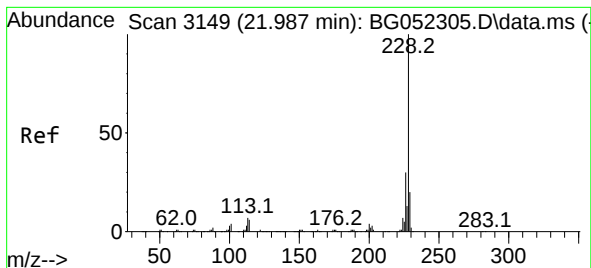
Tgt Ion:228	Resp:	51227
Ion Ratio	Lower	Upper
228	100	
226	26.9	21.6 32.4
229	19.5	16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 4.207 ng
RT: 21.816 min Scan# 3120
Delta R.T. -0.001 min
Lab File: BG052384.D
Acq: 14 Feb 2022 15:22

Tgt Ion:252	Resp:	18018
Ion Ratio	Lower	Upper
252	100	
254	63.3	52.6 79.0
126	7.5	6.4 9.6





#83

Chrysene

Concen: 4.120 ng

RT: 21.986 min Scan# 3149

Delta R.T. -0.001 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

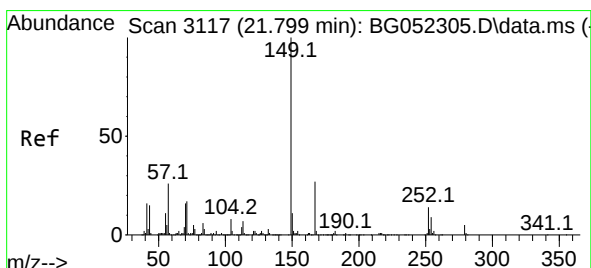
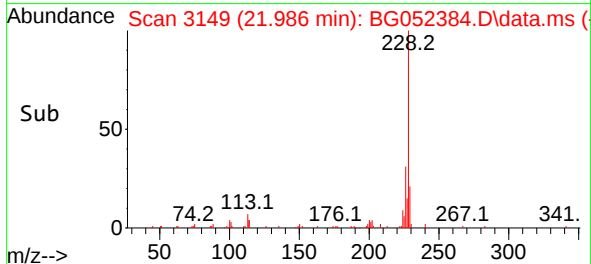
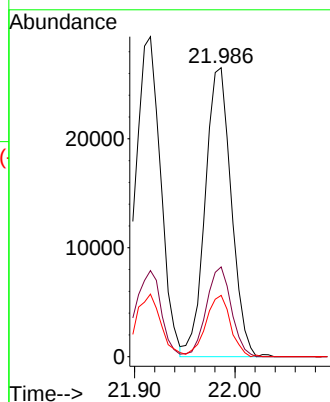
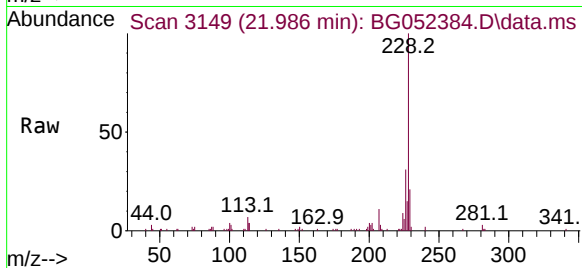
Tgt Ion:228 Resp: 47889

Ion Ratio Lower Upper

228 100

226 31.1 24.1 36.1

229 21.2 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.993 ng

RT: 21.792 min Scan# 3116

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

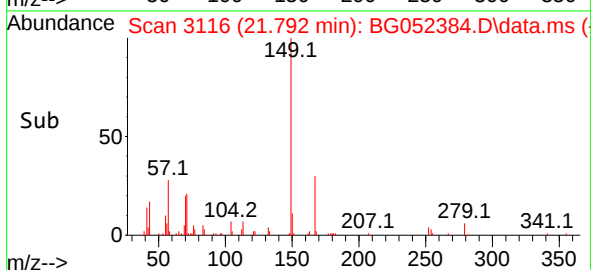
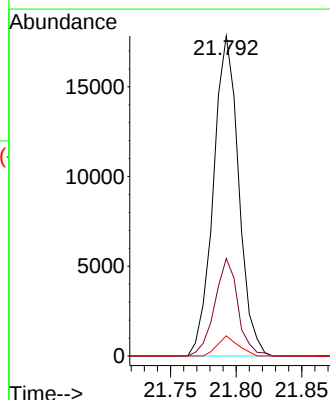
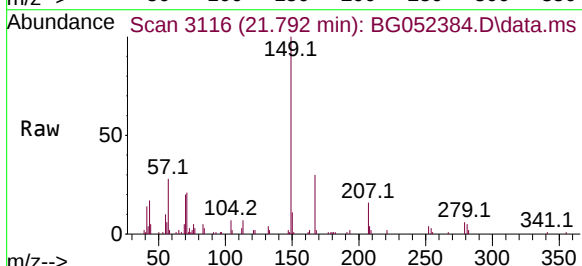
Tgt Ion:149 Resp: 23859

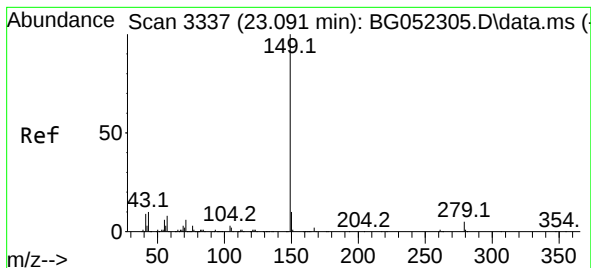
Ion Ratio Lower Upper

149 100

167 30.5 21.4 32.0

279 6.3 4.2 6.2#





#85

Di-n-octyl phthalate

Concen: 3.951 ng

RT: 23.079 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

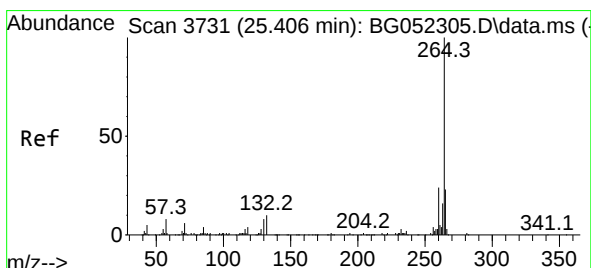
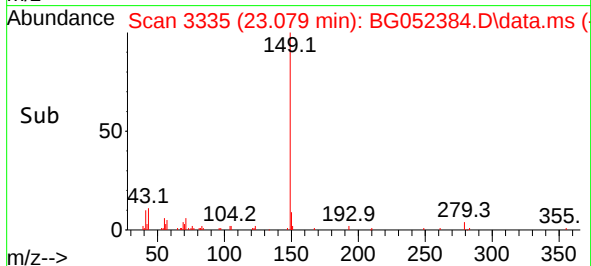
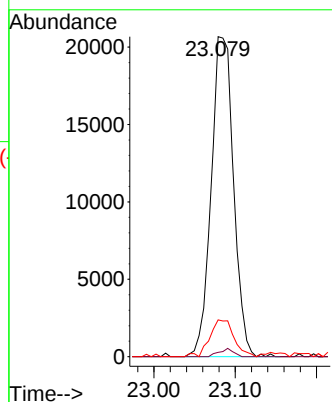
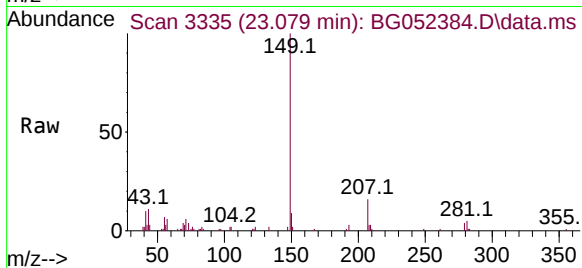
Tgt Ion:149 Resp: 39573

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 12.4 10.0 15.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.405 min Scan# 3731

Delta R.T. -0.001 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

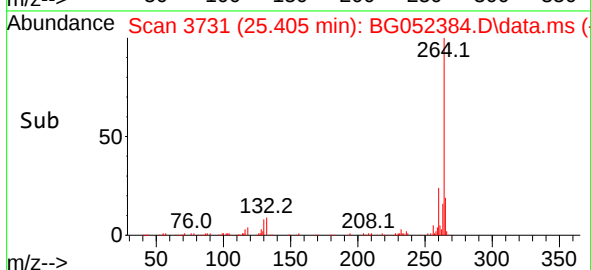
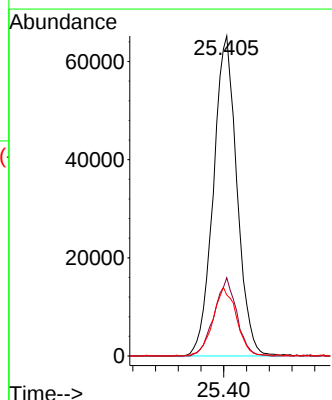
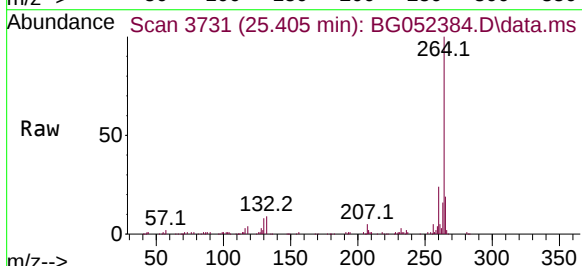
Tgt Ion:264 Resp: 187351

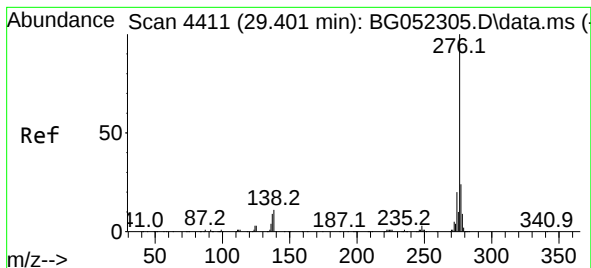
Ion Ratio Lower Upper

264 100

260 24.4 18.5 27.7

265 19.0 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.820 ng

RT: 29.394 min Scan# 4411

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

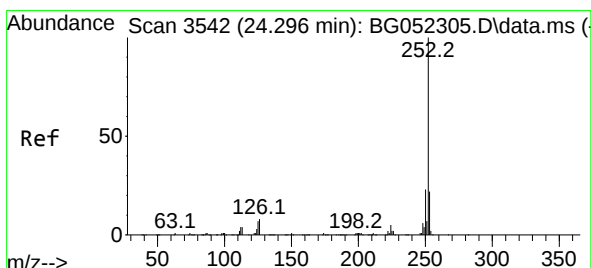
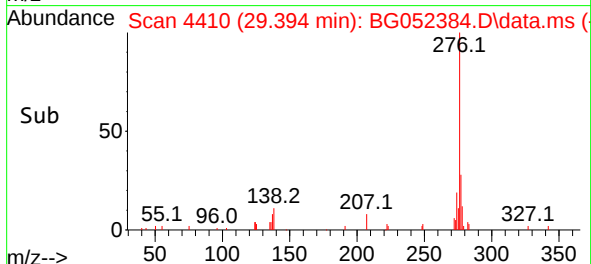
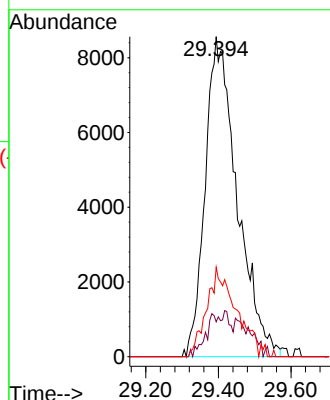
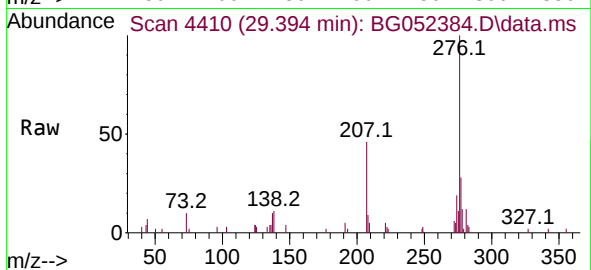
Tgt Ion:276 Resp: 52377

Ion Ratio Lower Upper

276 100

138 4.7 6.1 9.1#

277 25.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 4.062 ng

RT: 24.295 min Scan# 3542

Delta R.T. -0.001 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

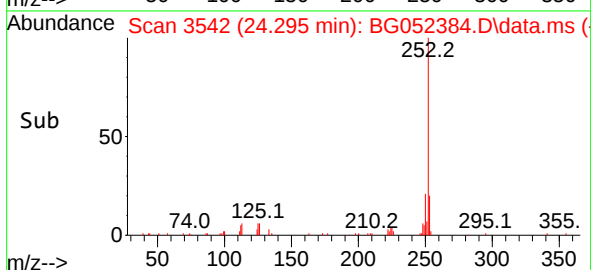
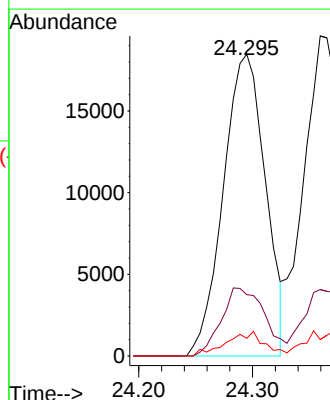
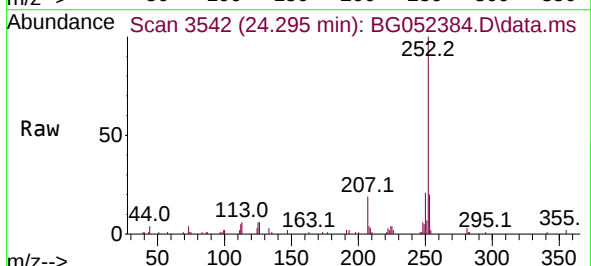
Tgt Ion:252 Resp: 47423

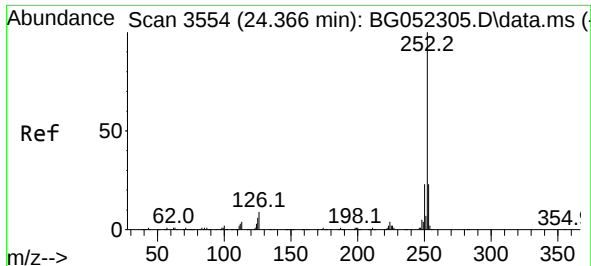
Ion Ratio Lower Upper

252 100

253 20.3 18.3 27.5

125 5.8 5.4 8.2





#89

Benzo(k)fluoranthene

Concen: 4.371 ng m

RT: 24.359 min Scan# 3

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2021

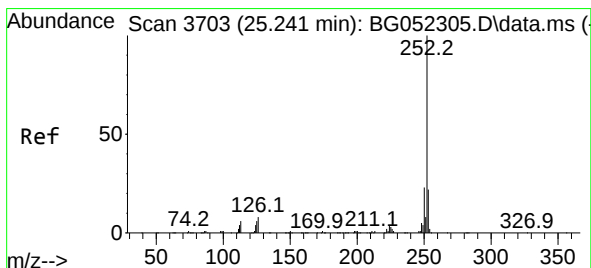
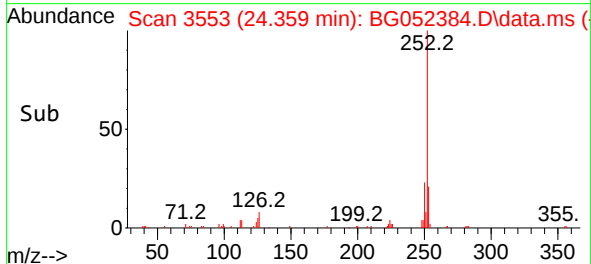
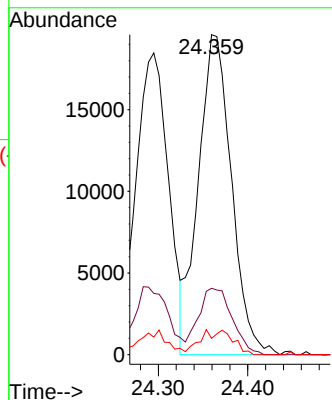
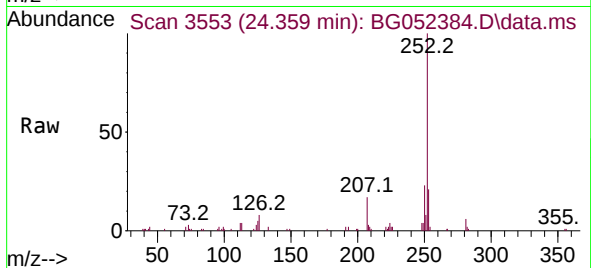
Tgt Ion:252 Resp: 50407

Ion Ratio Lower Upper

252 100

253 20.7 17.3 25.9

125 5.1 4.6 7.0



#90

Benzo(a)pyrene

Concen: 4.713 ng

RT: 25.235 min Scan# 3702

Delta R.T. -0.007 min

Lab File: BG052384.D

Acq: 14 Feb 2022 15:22

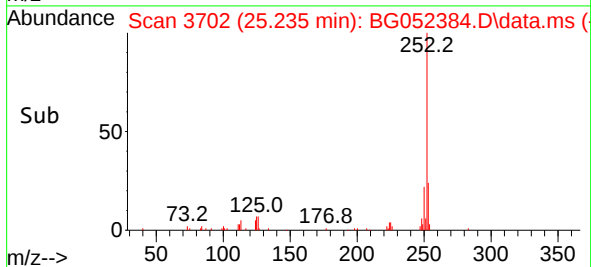
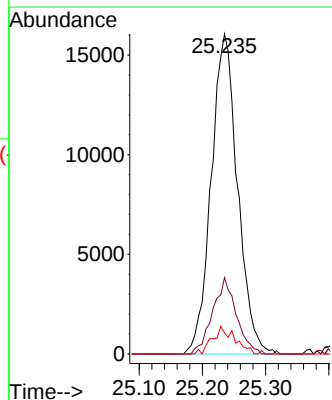
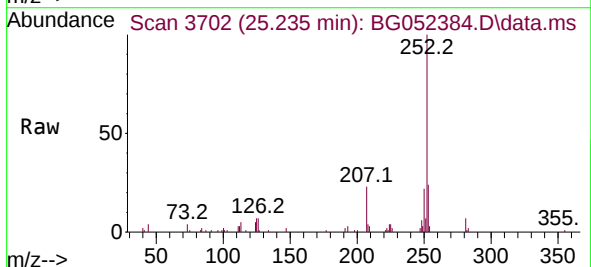
Tgt Ion:252 Resp: 46478

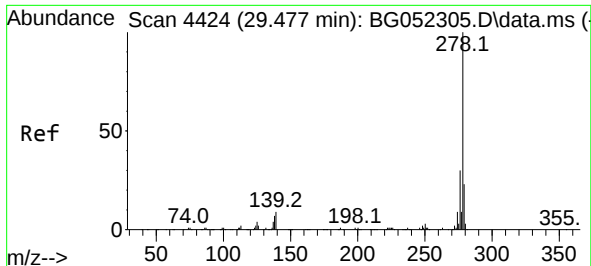
Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 6.6 5.0 7.6

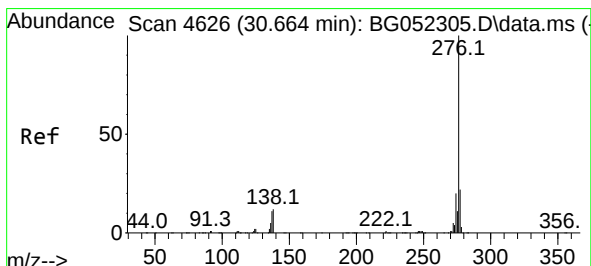
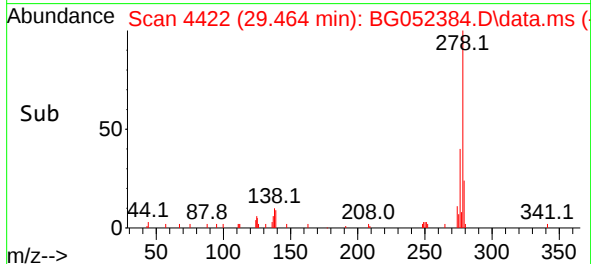
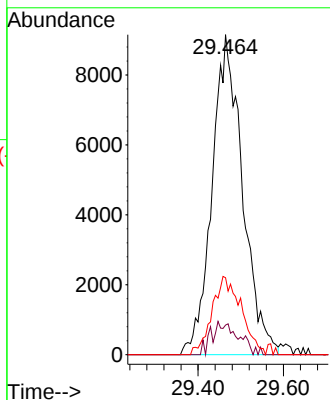
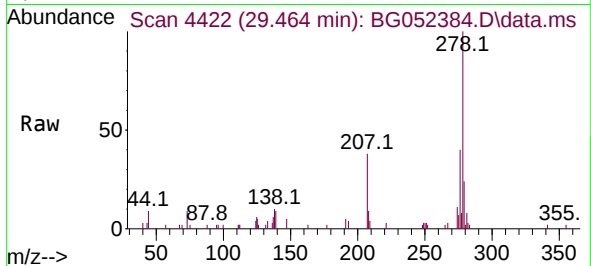




#91
 Dibenzo(a,h)anthracene
 Concen: 4.009 ng
 RT: 29.464 min Scan# 4422
 Delta R.T. -0.013 min
 Lab File: BG052384.D
 Acq: 14 Feb 2022 15:22

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Tgt Ion:278 Resp: 45405
 Ion Ratio Lower Upper
 278 100
 139 9.2 6.4 9.6
 279 24.0 20.1 30.1



#92
 Benzo(g,h,i)perylene
 Concen: 4.004 ng
 RT: 30.651 min Scan# 4624
 Delta R.T. -0.013 min
 Lab File: BG052384.D
 Acq: 14 Feb 2022 15:22

Tgt Ion:276 Resp: 44508
 Ion Ratio Lower Upper
 276 100
 277 26.0 18.2 27.2
 138 7.8 9.1 13.7#

