

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\
 Data File : BG041073.D
 Acq On : 5 Jun 2019 15:42
 Operator : HP/JU
 Sample : K2241-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Quant Time: Jun 06 04:22:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	37526	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	133093	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	91365	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	242284	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	281558	20.00	ng	-0.02
87) Perylene-d12	25.09	264	306242	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	240053	115.35	ng	-0.01
7) Phenol-d6	7.25	99	330385	102.80	ng	-0.01
23) Nitrobenzene-d5	9.29	82	230439	76.86	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	174412	128.59	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	508193	80.10	ng	-0.02
79) Terphenyl-d14	20.08	244	1015904	76.58	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.51	88	8519	9.021	ng	90
3) Pyridine	3.93	79	17228	6.165	ng	99
4) n-Nitrosodimethylamine	3.85	42	8609	6.638	ng	# 79
6) Aniline	7.43	93	26853	6.259	ng	98
8) 2-Chlorophenol	7.67	128	17263	6.958	ng	93
9) Benzaldehyde	7.25	77	18939	9.878	ng	83
10) Phenol	7.28	94	21240	6.164	ng	96
11) bis(2-Chloroethyl)ether	7.53	93	15485	6.194	ng	96
12) 1,3-Dichlorobenzene	8.15	146	20405	6.886	ng	98
13) 1,4-Dichlorobenzene	8.15	146	20405	6.803	ng	95
14) 1,2-Dichlorobenzene	8.46	146	19426	6.670	ng	97
15) Benzyl Alcohol	8.35	79	17127	5.761	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.63	45	25739	6.301	ng	95
17) 2-Methylphenol	8.54	107	14441	5.788	ng	94
18) Hexachloroethane	9.19	117	7526	6.510	ng	96
19) n-Nitroso-di-n-propylamine	8.91	70	15451	6.247	ng	98
20) 3+4-Methylphenols	8.87	107	19474	5.635	ng	95
22) Acetophenone	8.93	105	29553	7.916	ng	# 94
24) Nitrobenzene	9.33	77	24894	8.148	ng	# 93
25) Isophorone	9.84	82	39372	6.901	ng	99
26) 2-Nitrophenol	10.04	139	9595	7.618	ng	92
27) 2,4-Dimethylphenol	10.09	122	15044	7.232	ng	95
28) bis(2-Chloroethoxy)methane	10.33	93	21290	6.914	ng	96
29) 2,4-Dichlorophenol	10.57	162	18139	6.867	ng	99
30) 1,2,4-Trichlorobenzene	10.79	180	22293	7.419	ng	# 80
31) Naphthalene	10.99	128	54708	7.656	ng	97
32) Benzoic acid	10.26	122	589	8.433	ng	97
33) 4-Chloroaniline	11.10	127	23190	6.994	ng	# 87
34) Hexachlorobutadiene	11.24	225	16415	7.139	ng	94
35) Caprolactam	11.84	113	5591	6.409	ng	97
36) 4-Chloro-3-methylphenol	12.20	107	20701	6.862	ng	94
37) 2-Methylnaphthalene	12.58	142	39430	7.164	ng	99
38) 1-Methylnaphthalene	12.79	142	38072	7.341	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	28531	7.748	ng	98

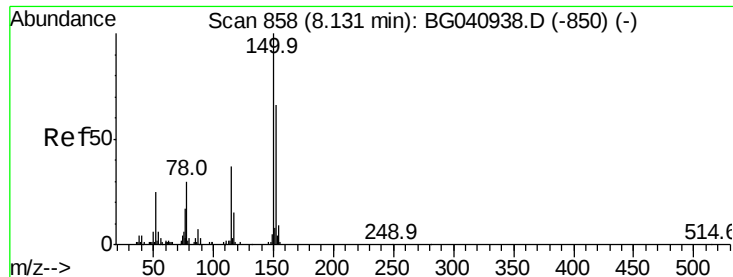
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	9962	12.750	ng	94
43) 2,4,6-Trichlorophenol	13.18	196	16759	7.035	ng	95
44) 2,4,5-Trichlorophenol	13.25	196	18446	7.342	ng	# 89
46) 1,1'-Biphenyl	13.58	154	52235	7.724	ng	98
47) 2-Chloronaphthalene	13.62	162	42521	7.324	ng	97
48) 2-Nitroaniline	13.83	65	14604	7.011	ng	92
49) Acenaphthylene	14.47	152	68586	7.849	ng	95
50) Dimethylphthalate	14.18	163	55769	7.211	ng	99
51) 2,6-Dinitrotoluene	14.32	165	12422	7.449	ng	88
52) Acenaphthene	14.80	154	40327	7.618	ng	99
53) 3-Nitroaniline	14.65	138	11542	6.922	ng	# 96
54) 2,4-Dinitrophenol	14.87	184	1515	10.437	ng	# 83
55) Dibenzofuran	15.14	168	70598	7.926	ng	99
56) 4-Nitrophenol	14.95	139	7325	6.404	ng	85
57) 2,4-Dinitrotoluene	15.10	165	17048	7.237	ng	# 97
58) Fluorene	15.79	166	52955	7.465	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.36	232	19650	7.958	ng	96
60) Diethylphthalate	15.54	149	57181	7.245	ng	99
61) 4-Chlorophenyl-phenylether	15.77	204	32492	7.047	ng	95
62) 4-Nitroaniline	15.81	138	13477	7.634	ng	81
63) Azobenzene	16.07	77	53241	7.422	ng	99
65) 4,6-Dinitro-2-methylphenol	15.86	198	6121	12.460	ng	98
66) n-Nitrosodiphenylamine	15.99	169	49654	7.290	ng	96
67) 4-Bromophenyl-phenylether	16.67	248	21626	6.614	ng	96
68) Hexachlorobenzene	16.78	284	23144	6.647	ng	97
69) Atrazine	16.93	200	21235	8.080	ng	96
70) Pentachlorophenol	17.13	266	7360	7.992	ng	# 81
71) Phenanthrene	17.62	178	98281	7.788	ng	98
72) Anthracene	17.62	178	98281	7.896	ng	97
73) Carbazole	17.89	167	88026	8.242	ng	# 97
74) Di-n-butylphthalate	18.42	149	96318	7.256	ng	99
75) Fluoranthene	19.53	202	132784	8.518	ng	98
77) Benzidine	19.72	184	59911	8.920	ng	95
78) Pyrene	19.53	202	132784	7.255	ng	97
80) Butylbenzylphthalate	20.76	149	49403	6.936	ng	96
81) Benzo(a)anthracene	21.74	228	151600	8.089	ng	97
82) 3,3'-Dichlorobenzidine	21.66	252	53282	8.083	ng	100
83) Chrysene	21.81	228	142012	7.918	ng	99
84) Bis(2-ethylhexyl)phthalate	21.61	149	70884	7.069	ng	93
85) Di-n-octyl phthalate	22.85	149	128049	7.668	ng	98
86) Indeno(1,2,3-cd)pyrene	28.90	276	160644	7.312	ng	# 60
88) Benzo(b)fluoranthene	24.02	252	140755	7.578	ng	99
89) Benzo(k)fluoranthene	24.09	252	136872	7.446	ng	99
90) Benzo(a)pyrene	24.93	252	134205	7.573	ng	# 92
91) Dibenzo(a,h)anthracene	28.97	278	134490	7.595	ng	95
92) Benzo(g,h,i)perylene	30.11	276	134124	7.796	ng	98

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

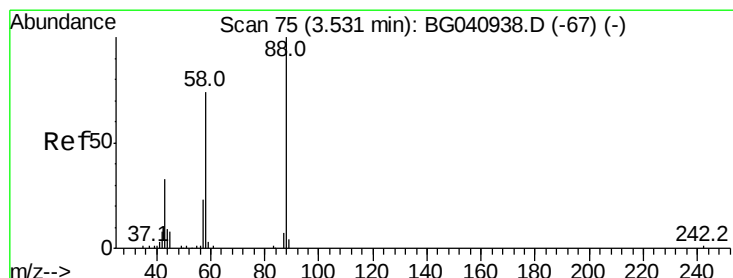
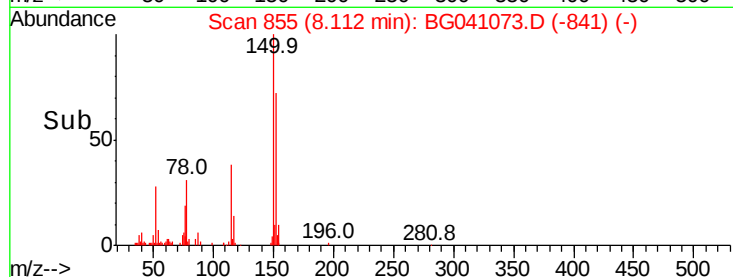
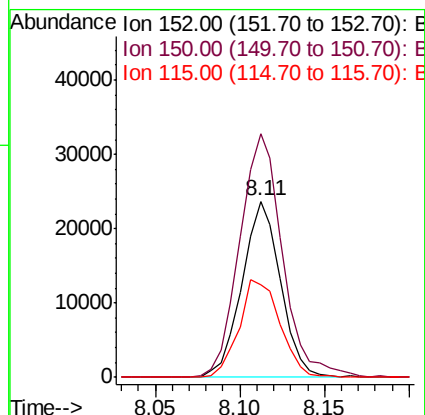
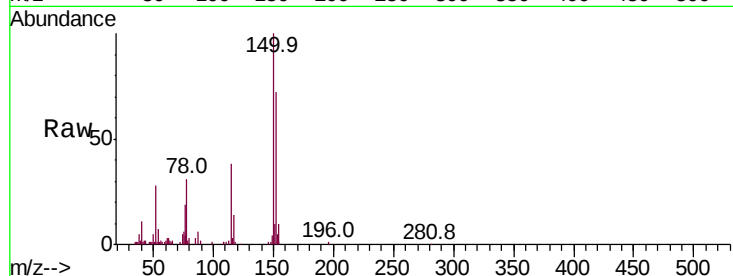


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 855
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

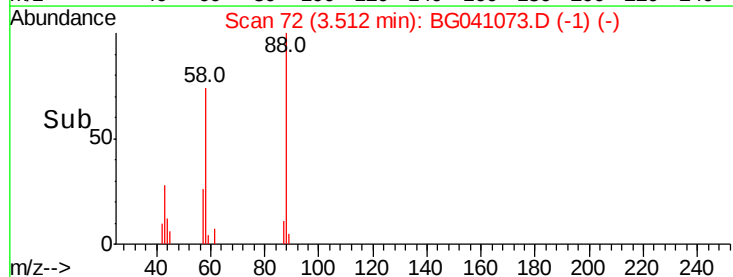
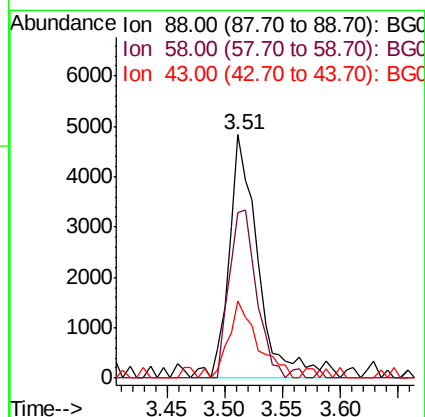
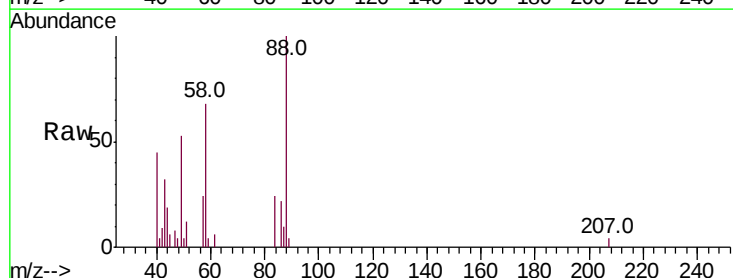
Tot Ion:152 Resp: 37526
Ion Ratio Lower Upper
152 100
150 138.5 120.6 180.8
115 52.8 45.1 67.7

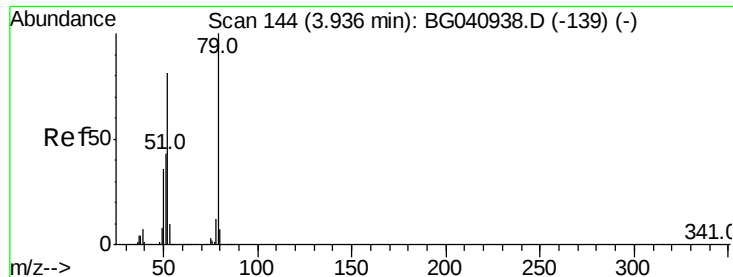


#2

1,4-Dioxane
Concen: 9.021 ng
RT: 3.51 min Scan# 72
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion: 88 Resp: 8519
Ion Ratio Lower Upper
88 100
58 63.9 59.0 88.6
43 30.8 27.2 40.8





#3

Pvridine

Concen: 6.165 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

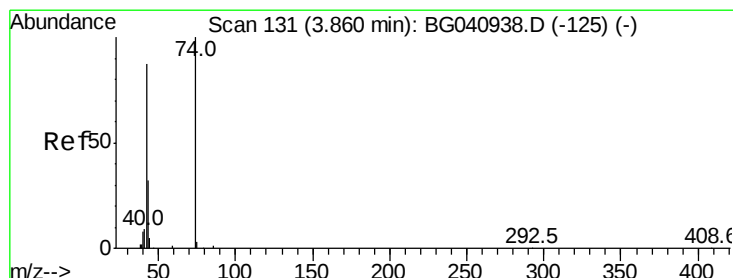
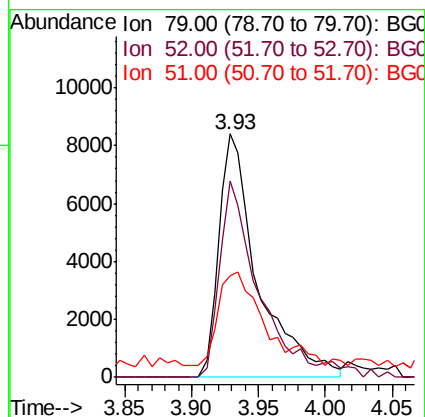
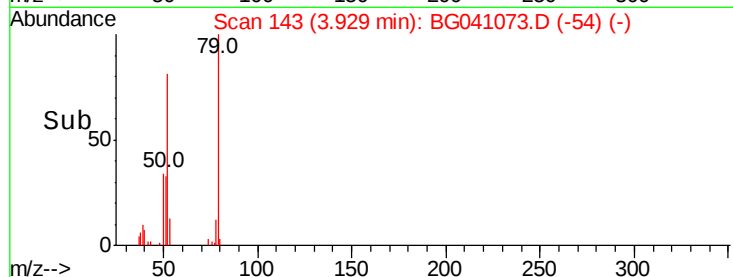
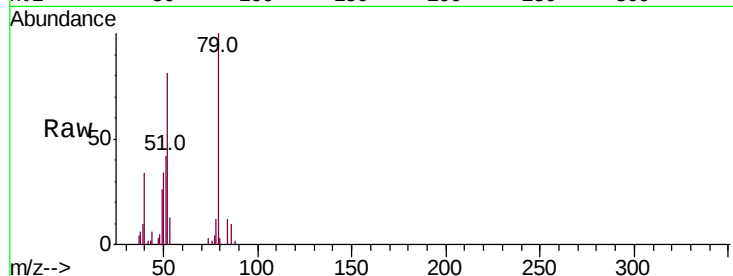
Tot Ion: 79 Resp: 17228

Ion Ratio Lower Upper

79 100

52 80.7 64.8 97.2

51 41.9 35.3 52.9



#4

n-Nitrosodimethylamine

Concen: 6.638 ng

RT: 3.85 min Scan# 129

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

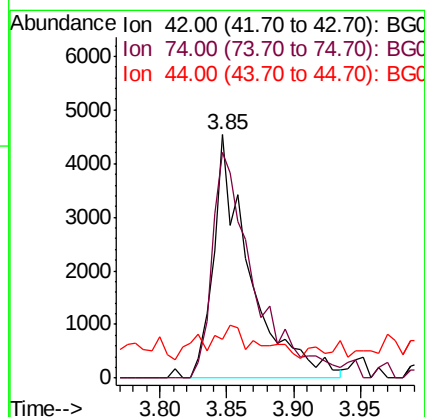
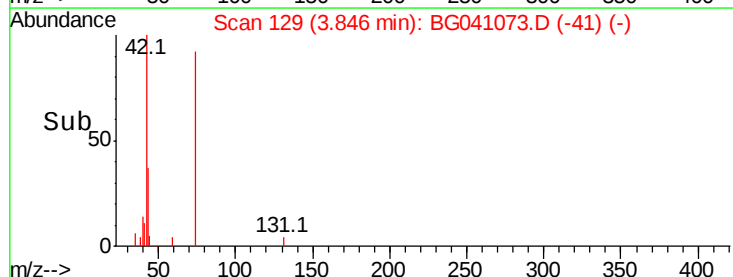
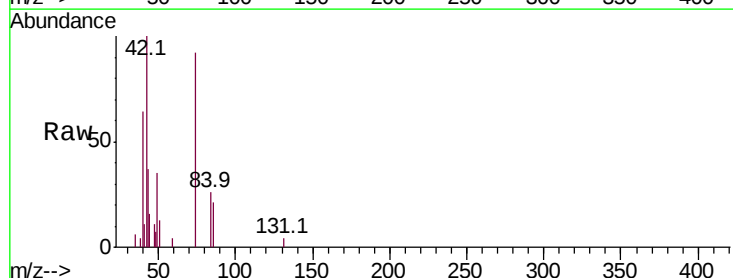
Tgt Ion: 42 Resp: 8609

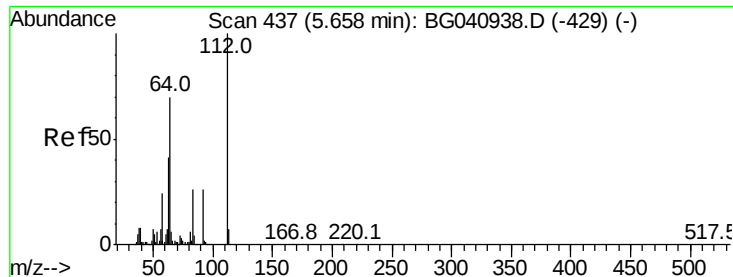
Ion Ratio Lower Upper

42 100

74 92.5 91.8 137.6

44 15.8 6.0 9.0#





#5

2-Fluorophenol

Concen: 115.351 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

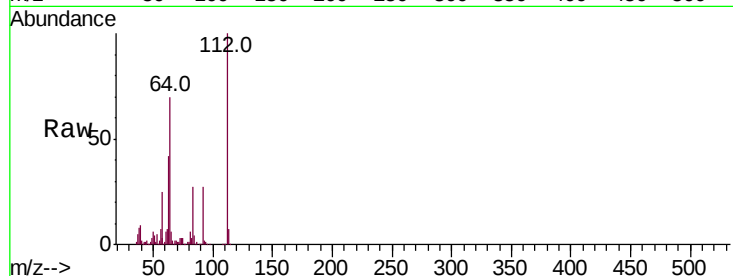
Tot Ion:112 Resp: 240053

Ion Ratio Lower Upper

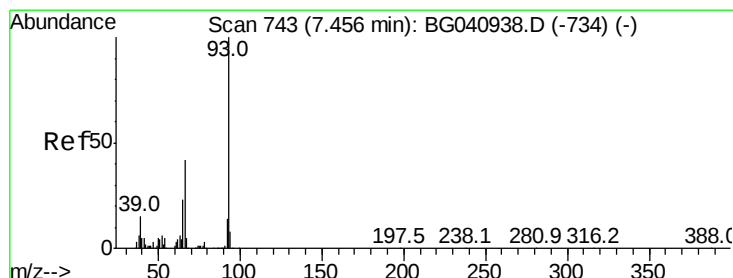
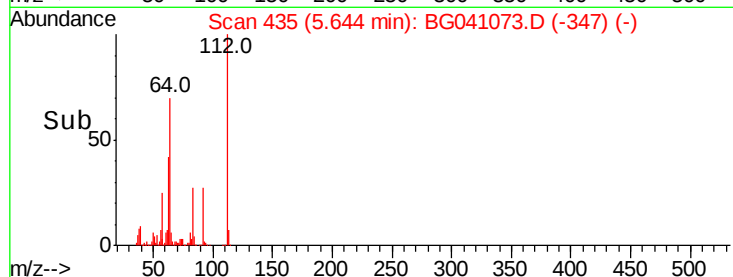
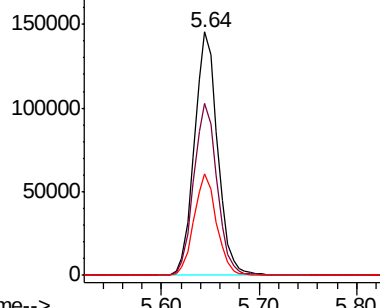
112 100

64 70.5 56.2 84.2

63 41.9 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 6.259 ng

RT: 7.43 min Scan# 739

Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

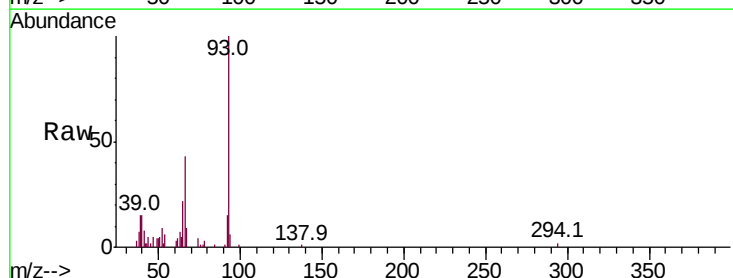
Tgt Ion: 93 Resp: 26853

Ion Ratio Lower Upper

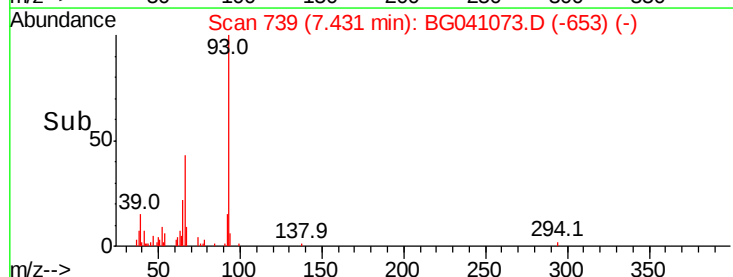
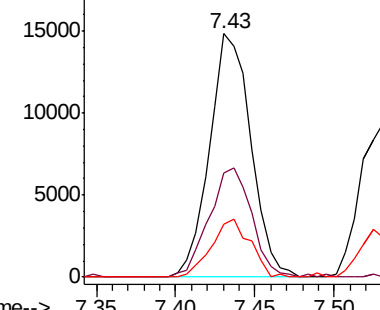
93 100

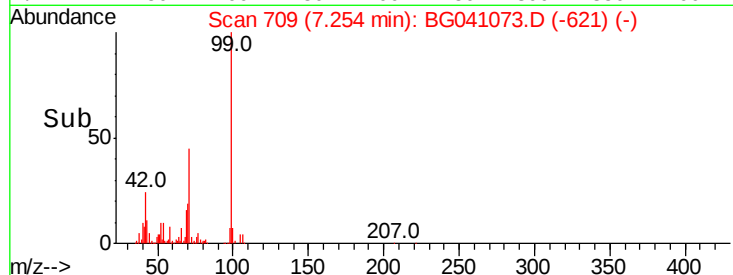
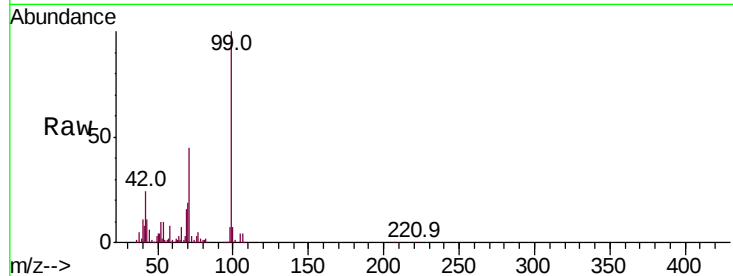
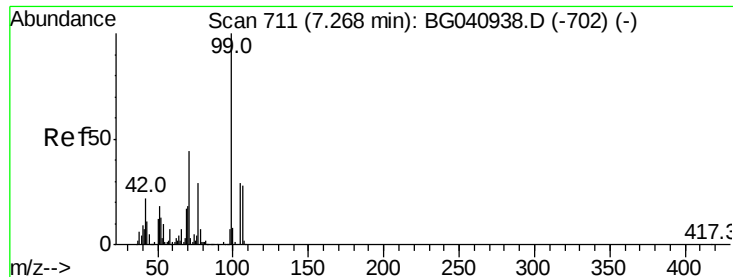
66 42.9 33.8 50.8

65 21.6 18.3 27.5



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 102.796 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

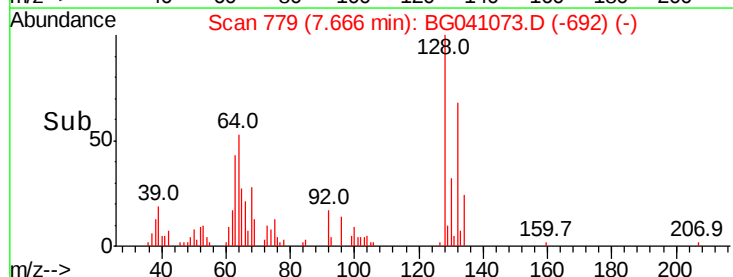
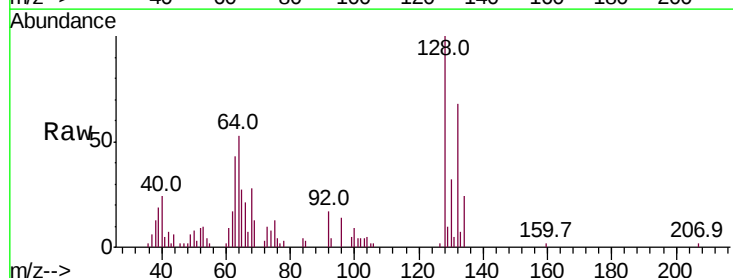
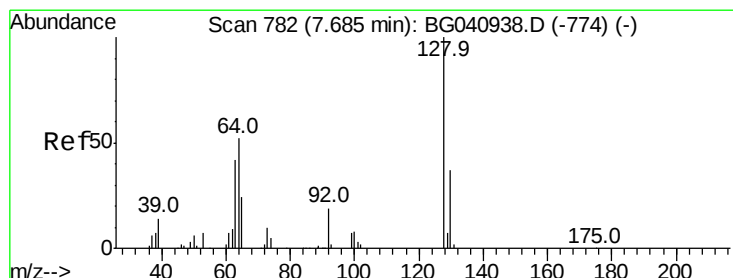
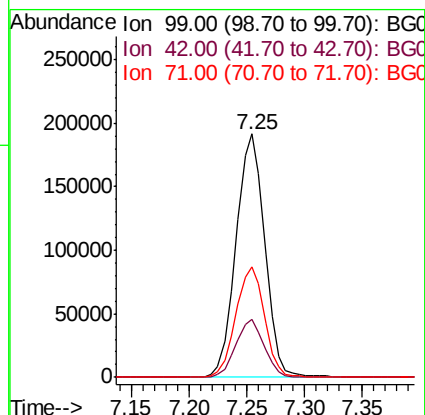
Tot Ion: 99 Resp: 330385

Ion Ratio Lower Upper

99 100

42 23.7 17.9 26.9

71 45.5 35.4 53.0



#8

2-Chlorophenol

Concen: 6.958 ng

RT: 7.67 min Scan# 779

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

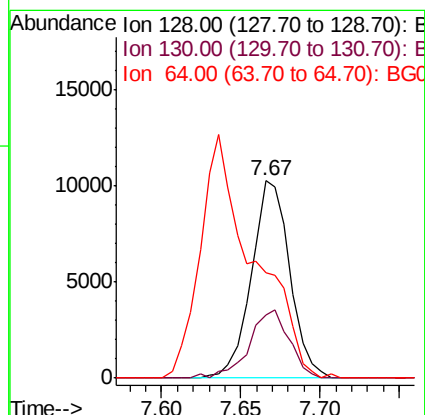
Tgt Ion:128 Resp: 17263

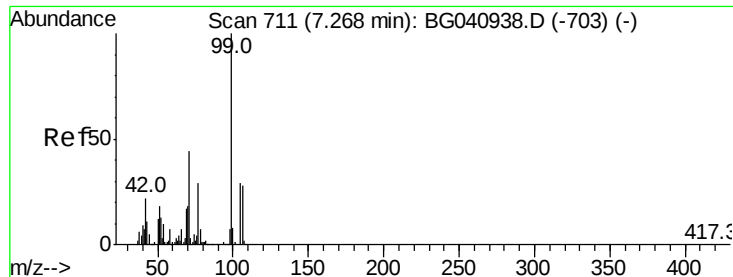
Ion Ratio Lower Upper

128 100

130 31.8 16.6 56.6

64 53.3 37.8 77.8





#9

Benzaldehyde

Concen: 9.878 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

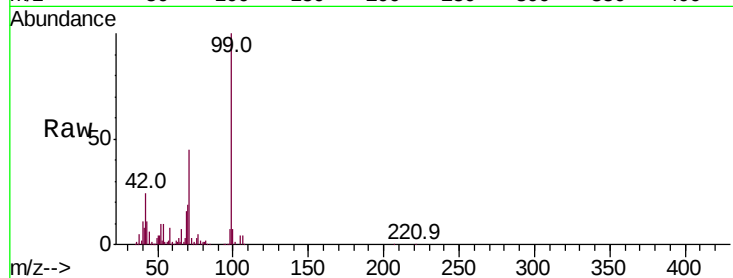
Tot Ion: 77 Resp: 18939

Ion Ratio Lower Upper

77 100

105 80.8 78.9 118.9

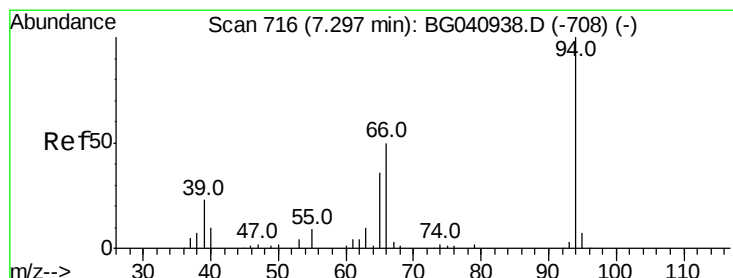
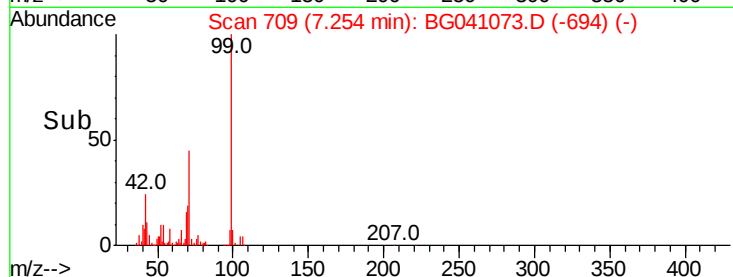
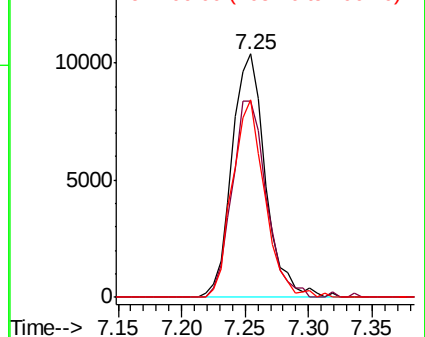
106 81.0 76.7 116.7



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 6.164 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

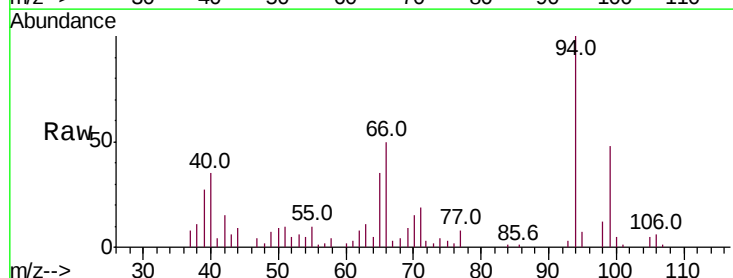
Tgt Ion: 94 Resp: 21240

Ion Ratio Lower Upper

94 100

65 34.5 17.0 57.0

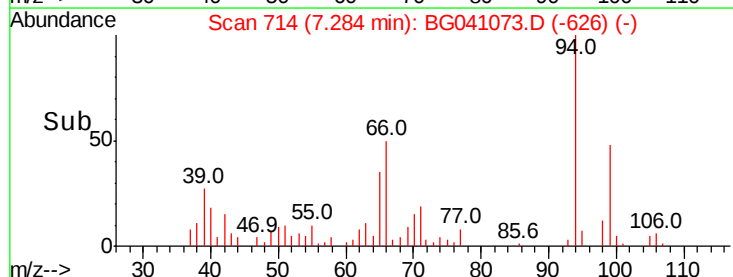
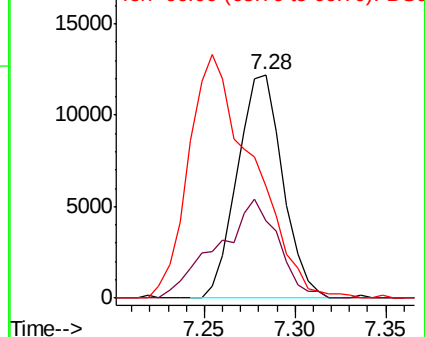
66 50.0 32.4 72.4

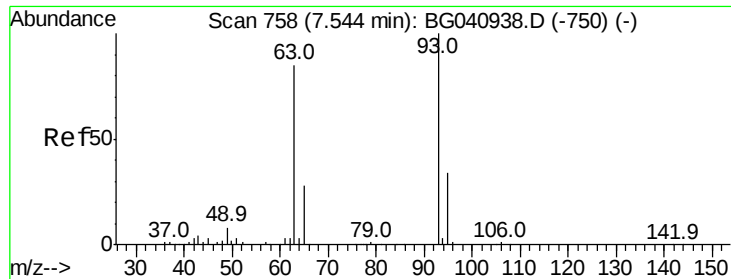


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

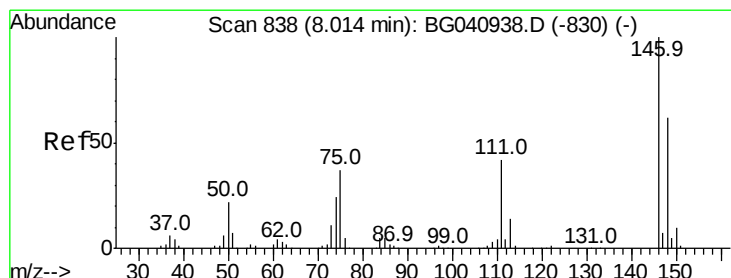
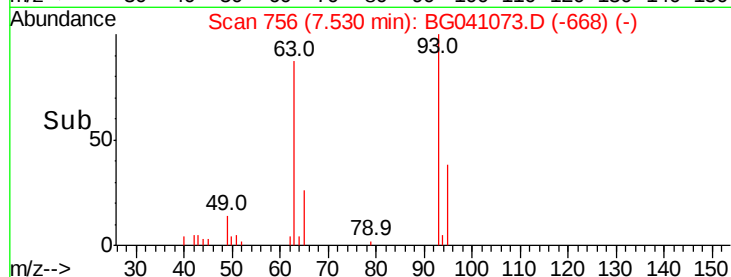
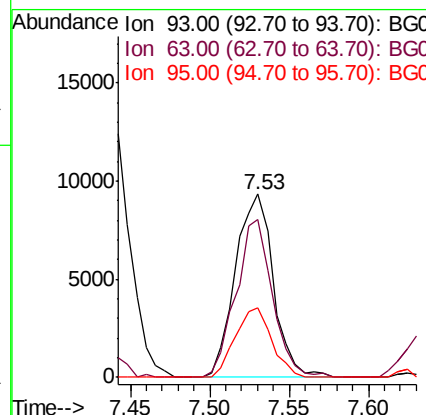
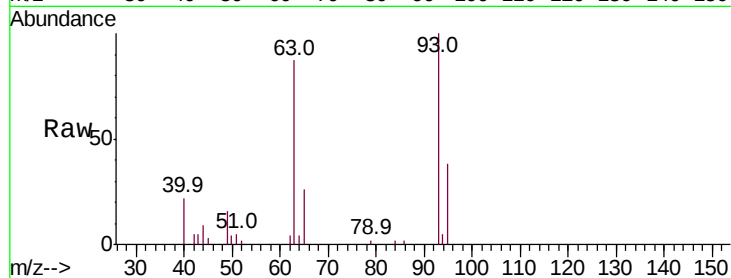




#11
bis(2-Chloroethyl)ether
Concen: 6.194 ng
RT: 7.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

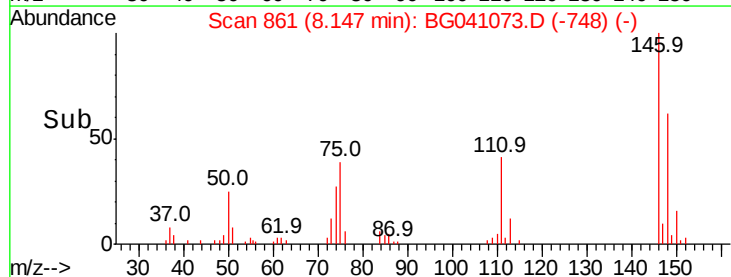
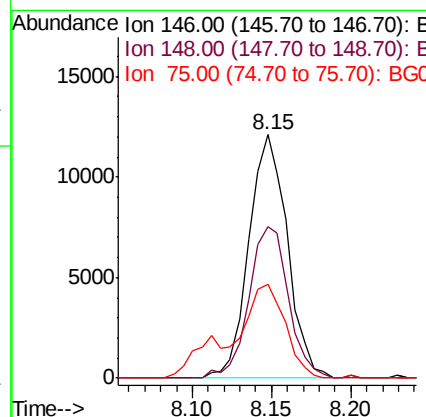
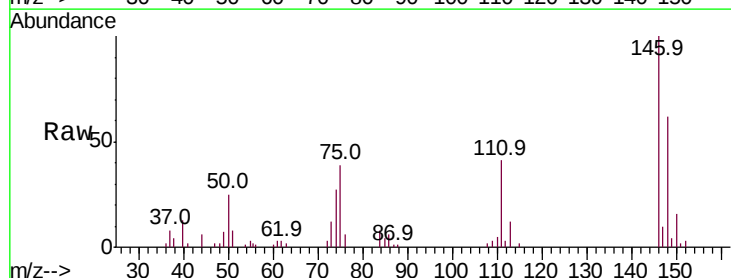
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

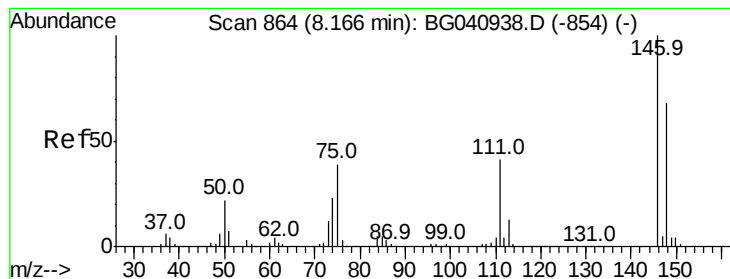
Tot Ion: 93 Resp: 15485
Ion Ratio Lower Upper
93 100
63 86.7 64.5 104.5
95 38.3 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 6.886 ng
RT: 8.15 min Scan# 861
Delta R.T. 0.13 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion: 146 Resp: 20405
Ion Ratio Lower Upper
146 100
148 62.3 49.2 73.8
75 38.6 29.4 44.0





#13

1,4-Dichlorobenzene

Concen: 6.803 ng

RT: 8.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

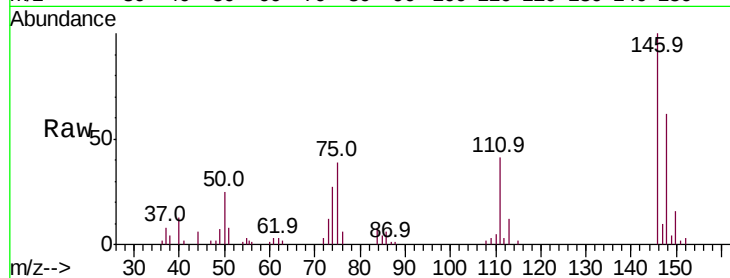
Tot Ion:146 Resp: 20405

Ion Ratio Lower Upper

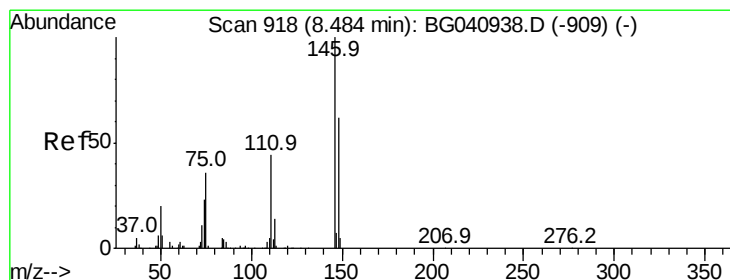
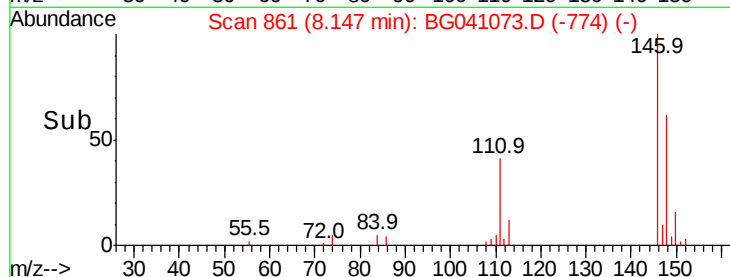
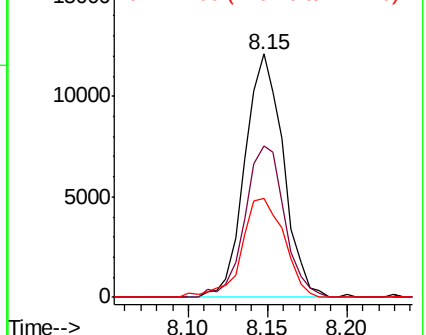
146 100

148 62.3 54.2 81.4

111 40.7 32.9 49.3



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 6.670 ng

RT: 8.46 min Scan# 915

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

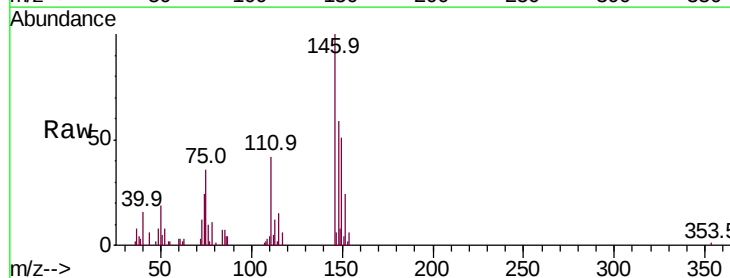
Tgt Ion:146 Resp: 19426

Ion Ratio Lower Upper

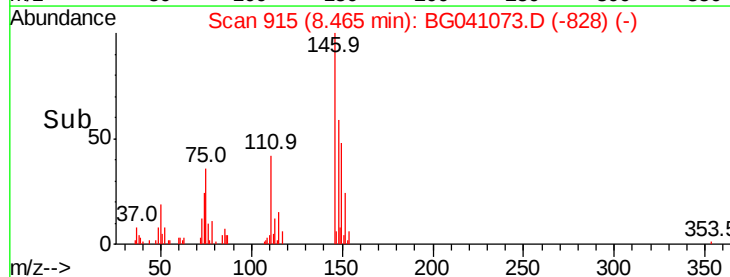
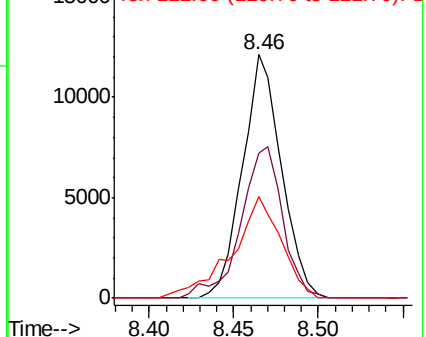
146 100

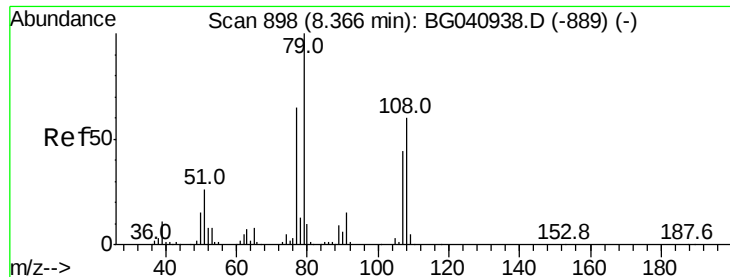
148 59.4 49.8 74.6

111 41.7 35.0 52.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 5.761 ng

RT: 8.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

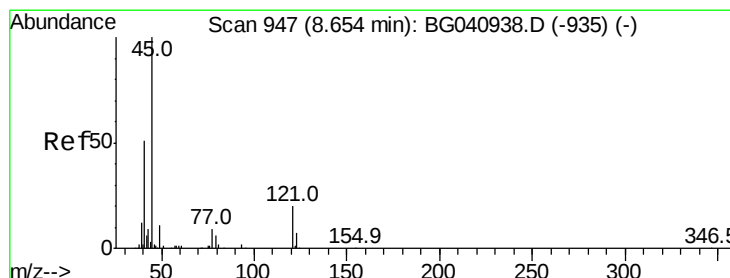
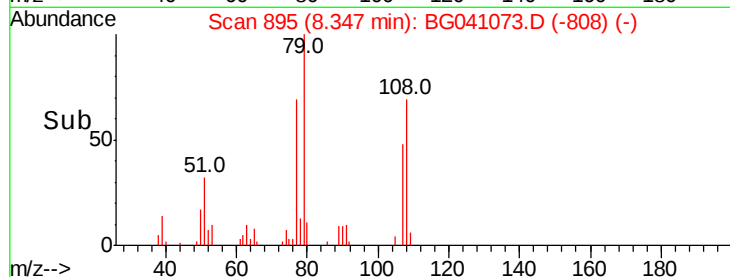
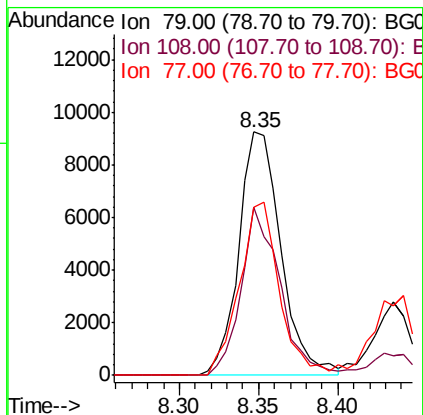
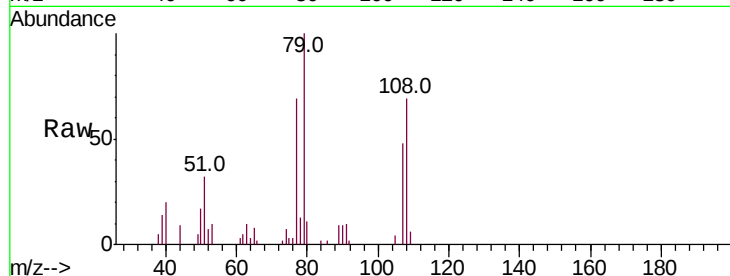
Tot Ion: 79 Resp: 17127

Ion Ratio Lower Upper

79 100

108 68.9 48.3 72.5

77 69.1 52.3 78.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 6.301 ng

RT: 8.63 min Scan# 943

Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

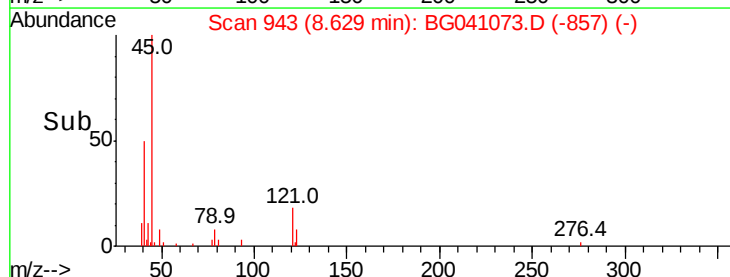
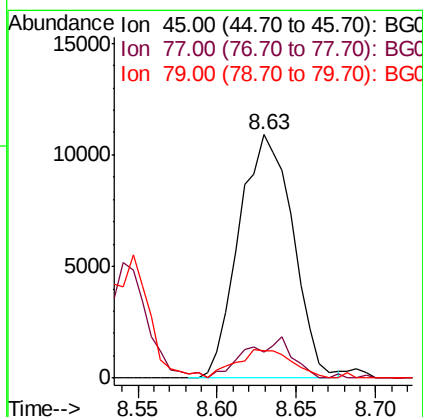
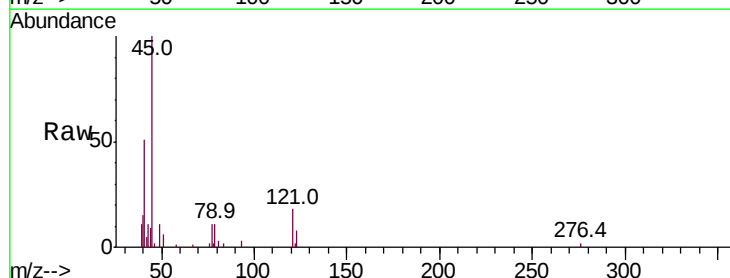
Tgt Ion: 45 Resp: 25739

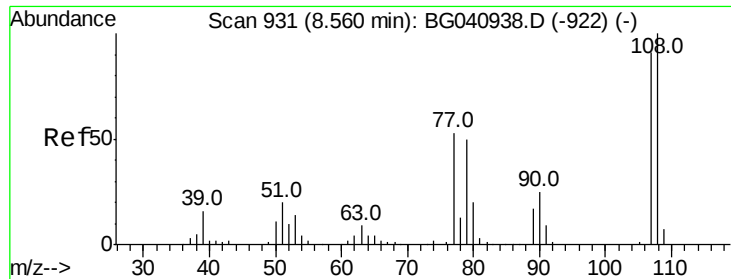
Ion Ratio Lower Upper

45 100

77 10.9 0.0 33.7

79 11.4 0.0 30.2

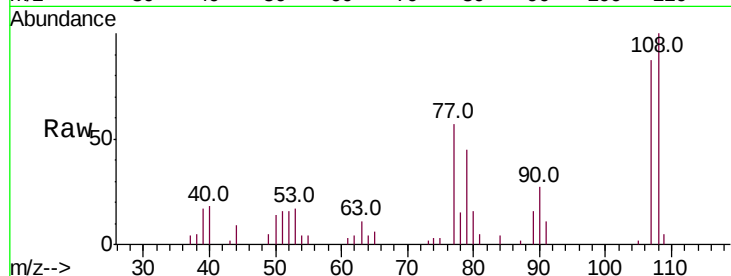




#17
2-Methylphenol
Concen: 5.788 ng
RT: 8.54 min Scan# 928
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	107	Resp:	14441
Ion	Ratio	Lower	Upper
107	100		
108	114.5	87.7	131.5
77	65.1	46.6	70.0
79	51.6	44.6	66.8



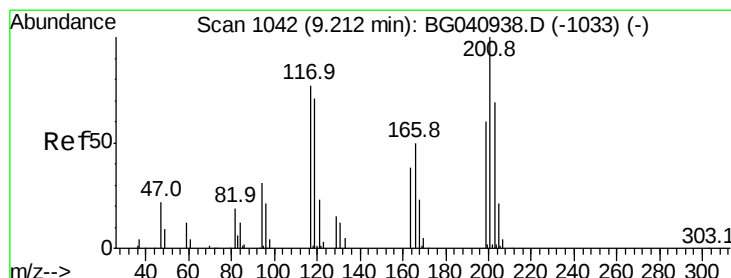
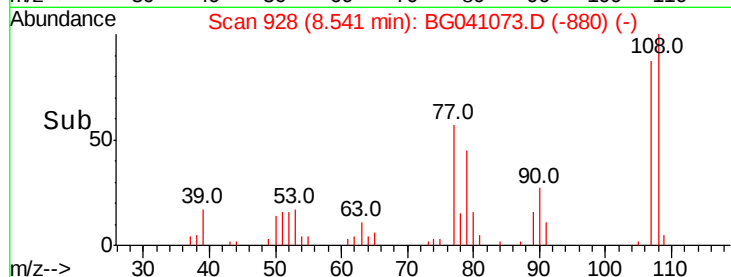
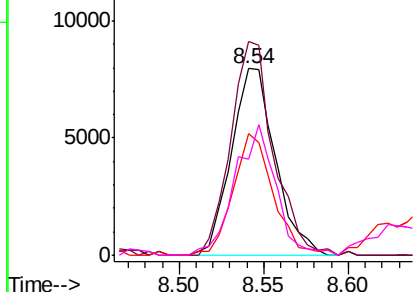
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

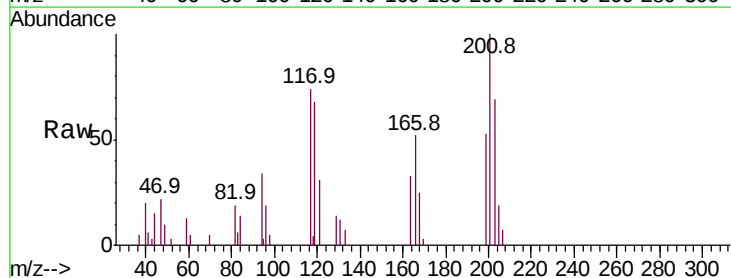
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 6.510 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:	117	Resp:	7526
Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.0	112.6
201	135.5	103.5	155.3

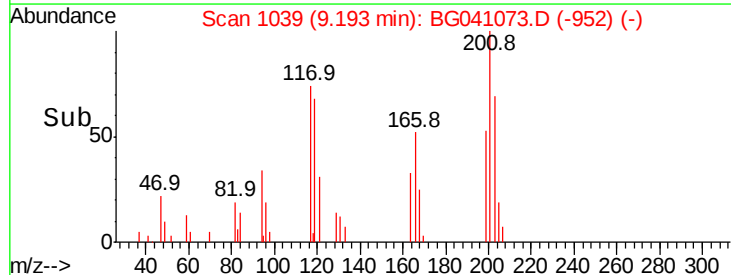
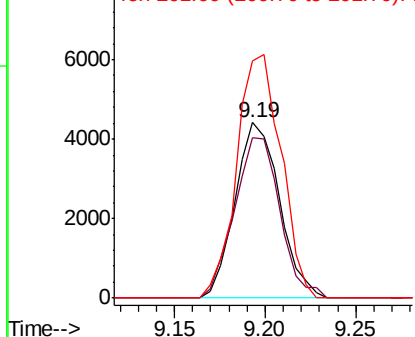


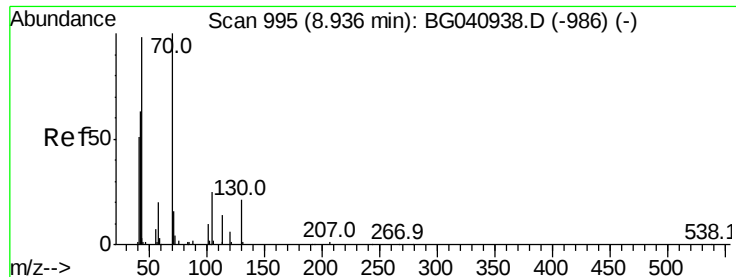
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 6.247 ng

RT: 8.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion: 70 Resp: 15451

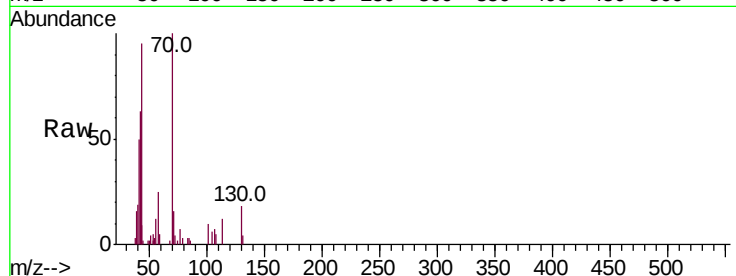
Ion Ratio Lower Upper

70 100

42 63.4 51.5 77.3

101 9.6 8.1 12.1

130 17.5 16.6 24.8

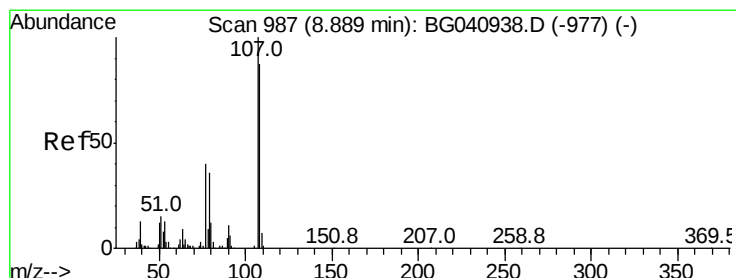
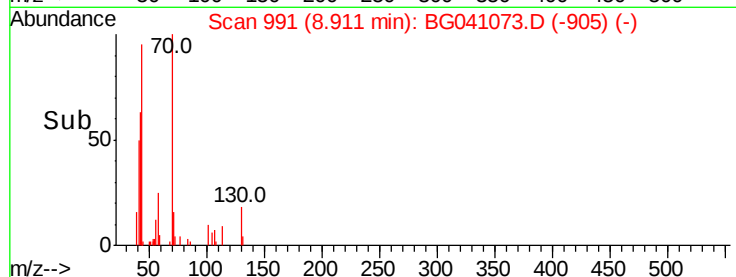
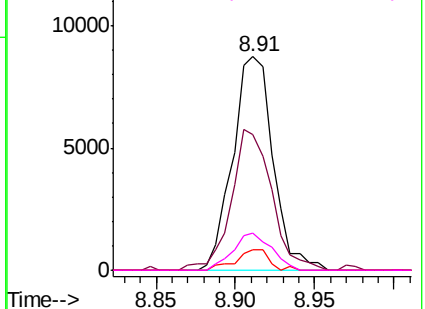


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 5.635 ng

RT: 8.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion: 107 Resp: 19474

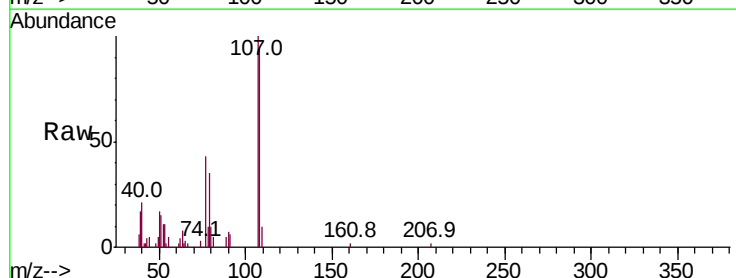
Ion Ratio Lower Upper

107 100

108 93.6 66.8 106.8

77 43.1 20.5 60.5

79 34.9 15.8 55.8

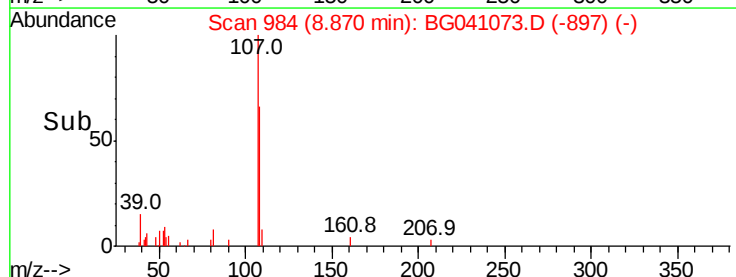
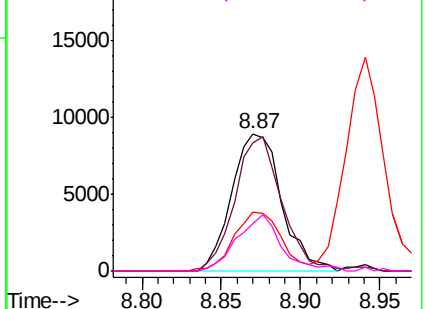


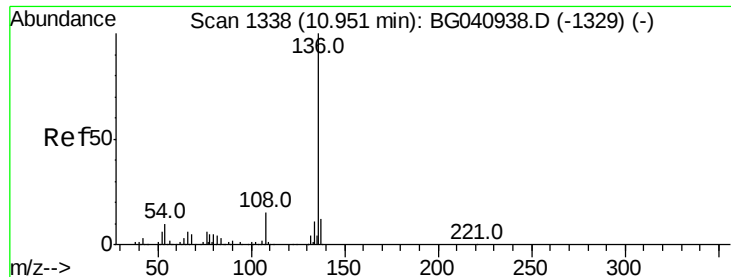
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

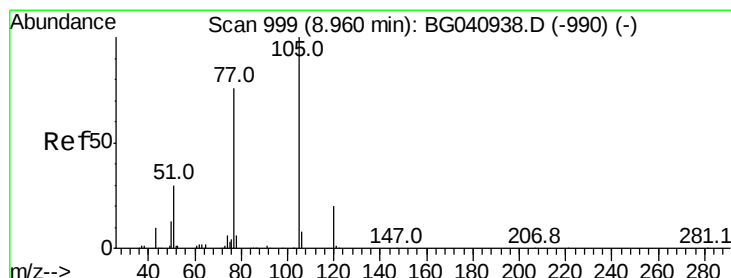
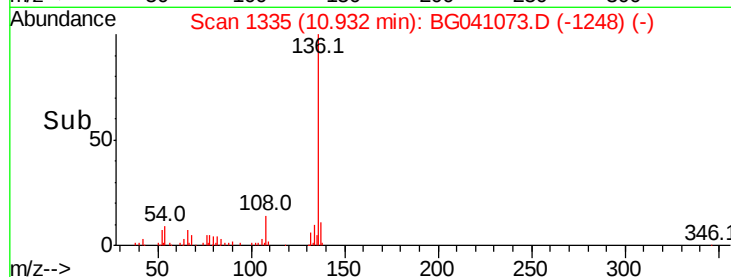
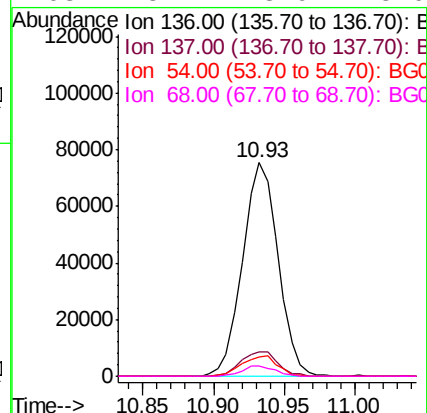
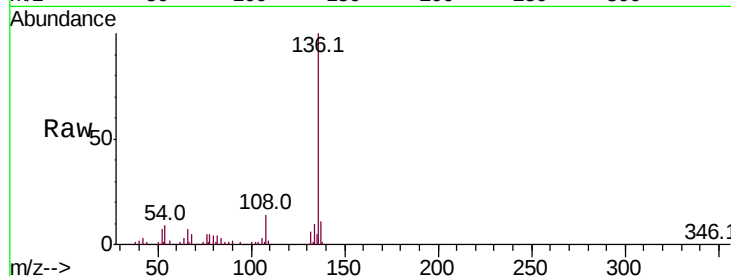




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

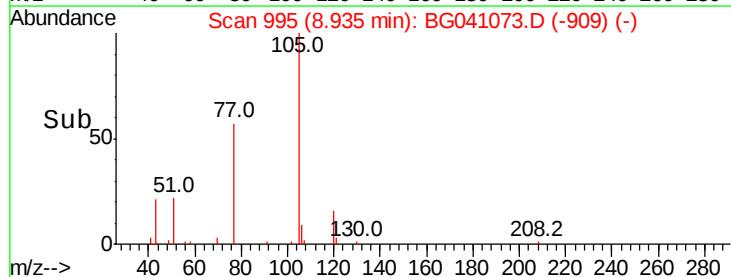
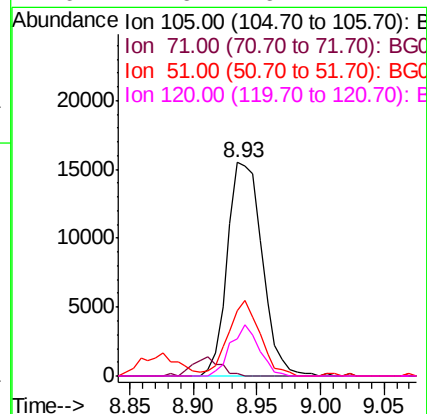
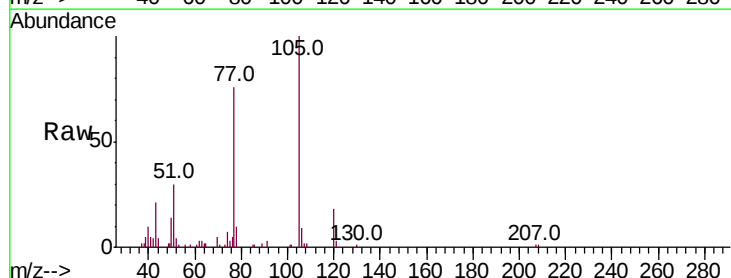
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

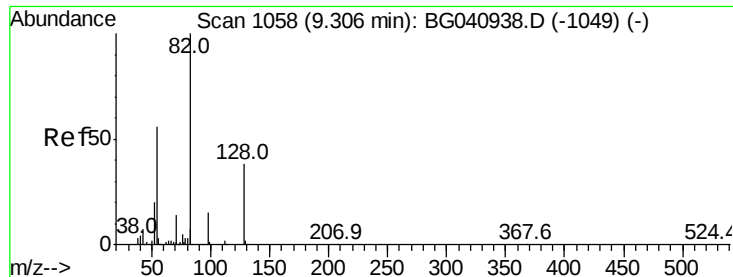
Tot Ion:136	Resp:	133093
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.5 14.3
54	8.9	7.6 11.4
68	5.1	3.9 5.9



#22
Acetophenone
Concen: 7.916 ng
RT: 8.93 min Scan# 995
Delta R.T. -0.03 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:105	Resp:	29553
Ion Ratio	Lower	Upper
105	100	
71	1.0	0.4 0.6#
51	30.4	27.0 40.6
120	17.6	16.2 24.4





#23

Nitrobenzene-d5

Concen: 76.864 ng

RT: 9.29 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

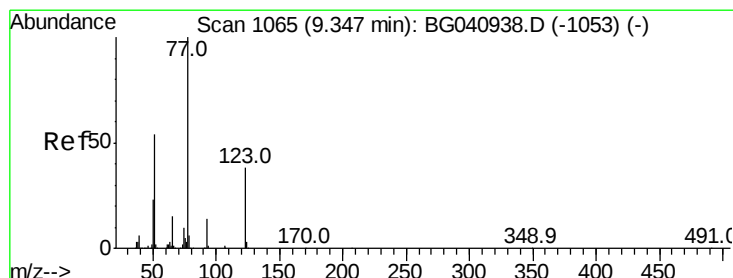
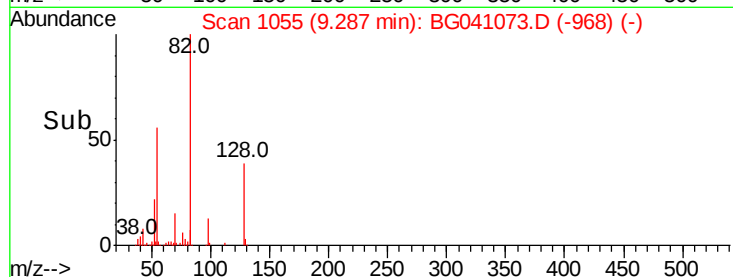
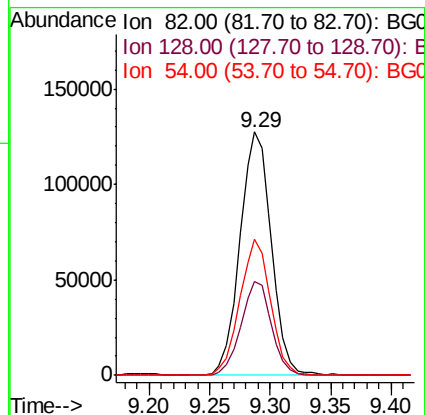
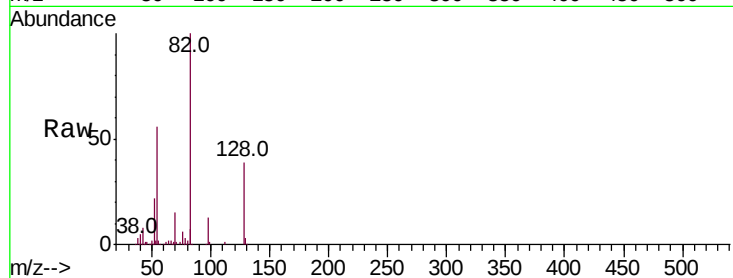
Tot Ion: 82 Resp: 230439

Ion Ratio Lower Upper

82 100

128 38.6 30.5 45.7

54 55.8 44.6 66.8



#24

Nitrobenzene

Concen: 8.148 ng

RT: 9.33 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

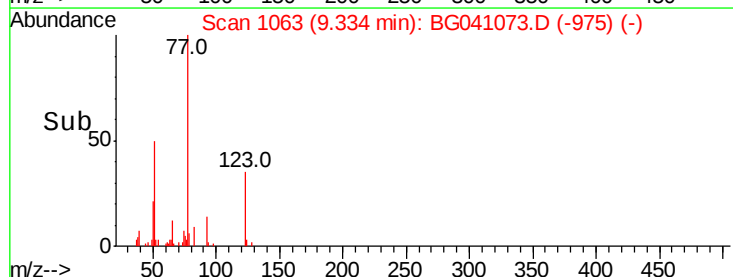
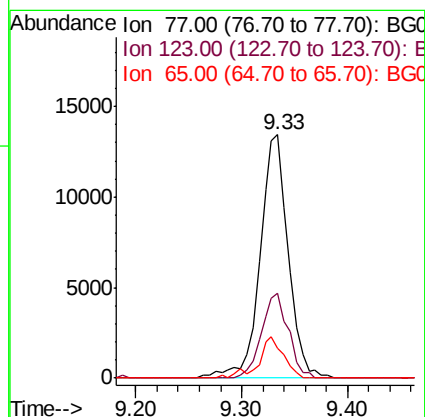
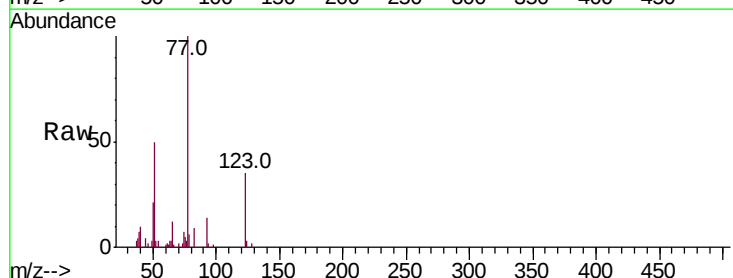
Tgt Ion: 77 Resp: 24894

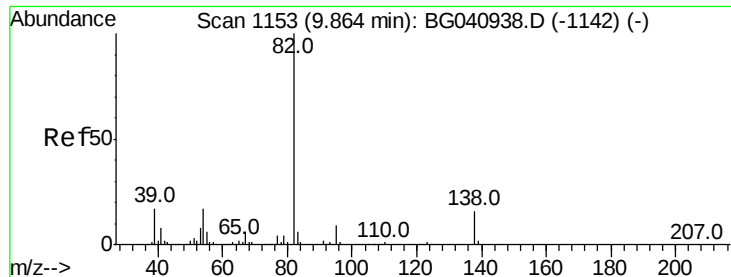
Ion Ratio Lower Upper

77 100

123 34.7 30.6 46.0

65 12.1 12.3 18.5#

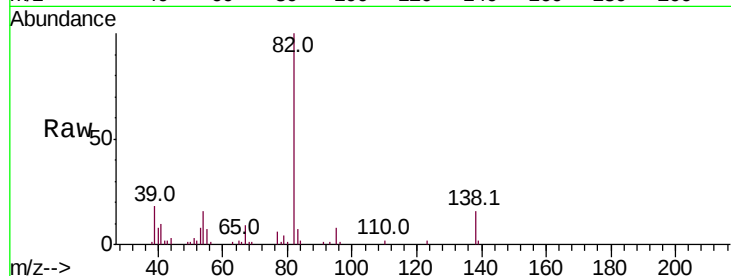




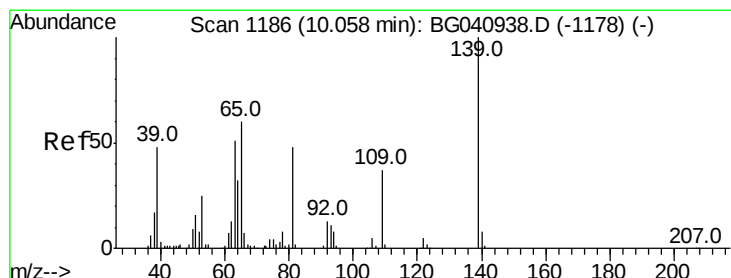
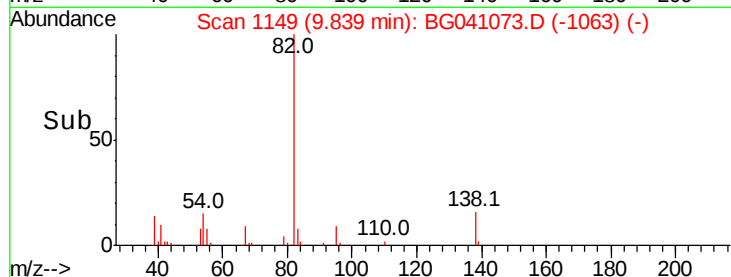
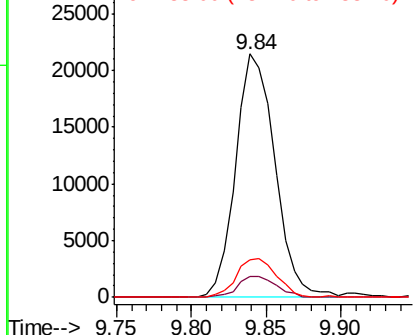
#25
Isophorone
Concen: 6.901 ng
RT: 9.84 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion: 82 Resp: 39372
Ion Ratio Lower Upper
82 100
95 8.3 7.0 10.4
138 15.5 12.6 19.0

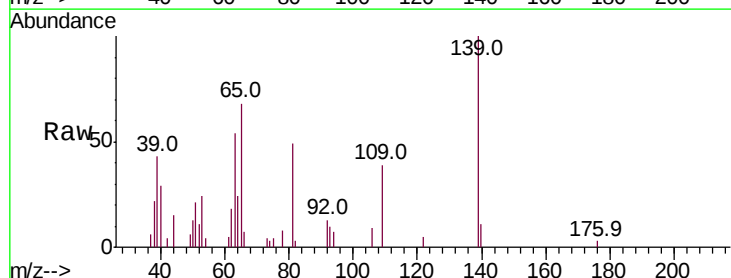


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

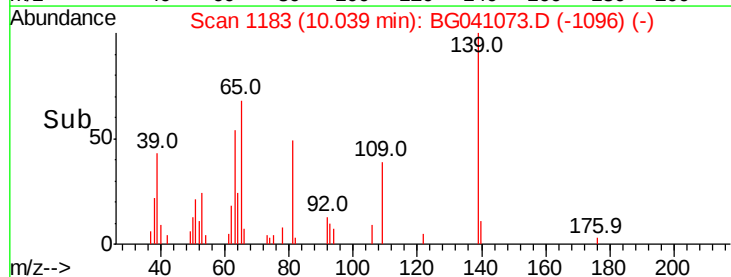
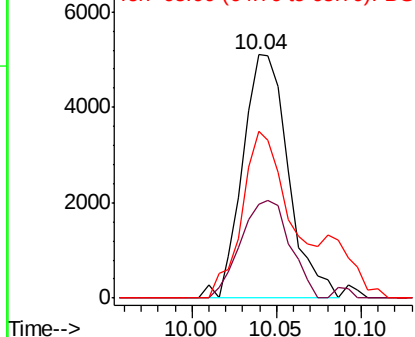


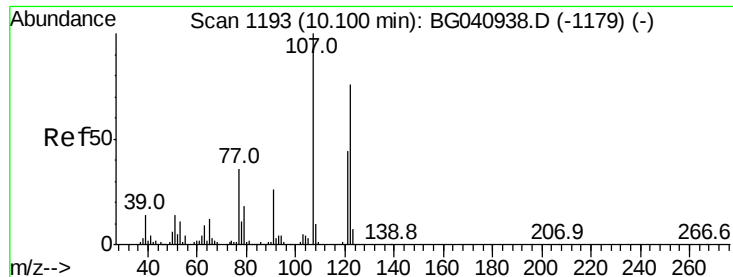
#26
2-Nitrophenol
Concen: 7.618 ng
RT: 10.04 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion: 139 Resp: 9595
Ion Ratio Lower Upper
139 100
109 38.6 29.8 44.6
65 68.3 47.8 71.6



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

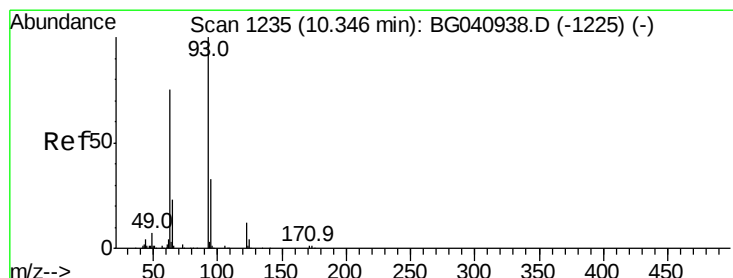
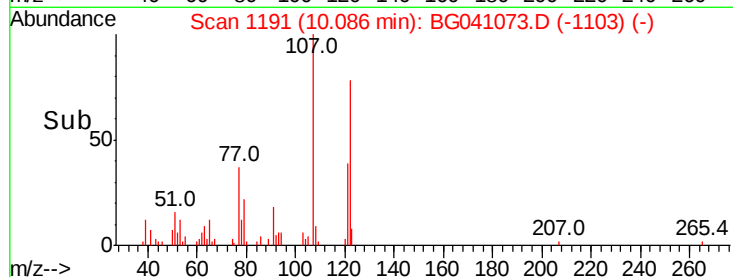
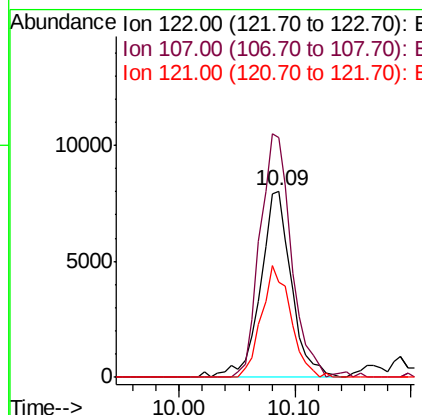
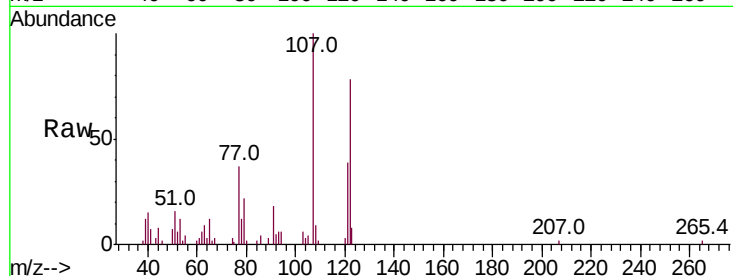




#27
 2,4-Dimethylphenol
 Concen: 7.232 ng
 RT: 10.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

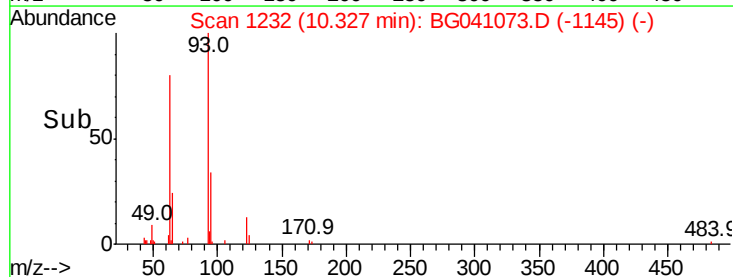
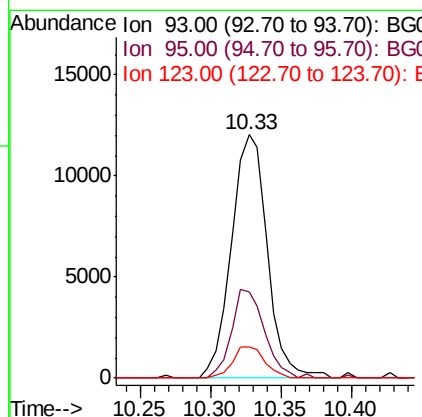
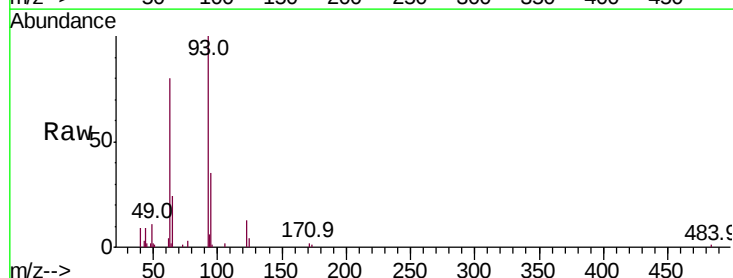
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

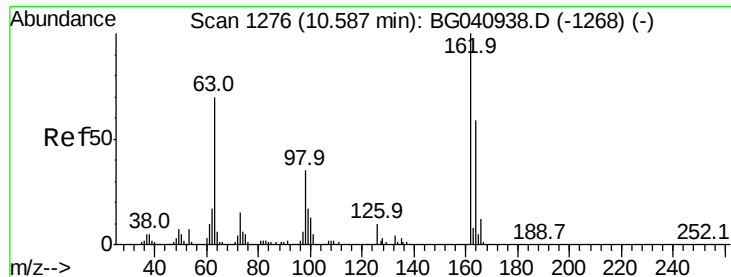
Tot Ion	Ratio	Lower	Upper
122	100		
107	128.6	105.9	158.9
121	50.8	46.2	69.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 6.914 ng
 RT: 10.33 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	35.3	26.2	39.2
123	12.7	9.5	14.3

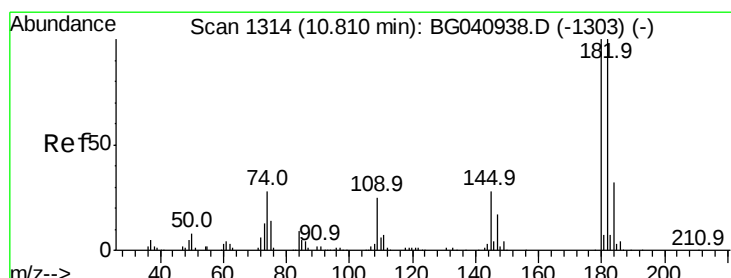
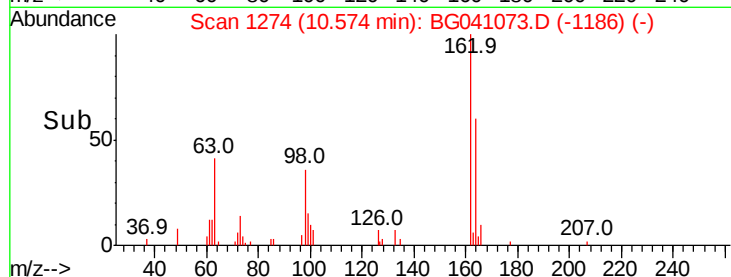
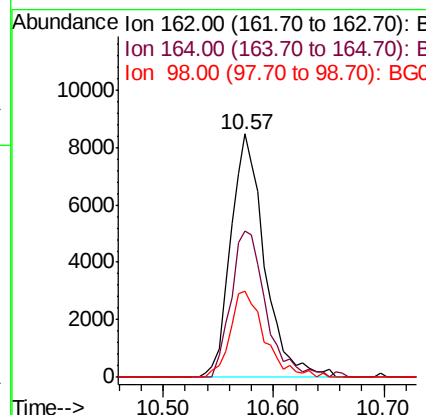
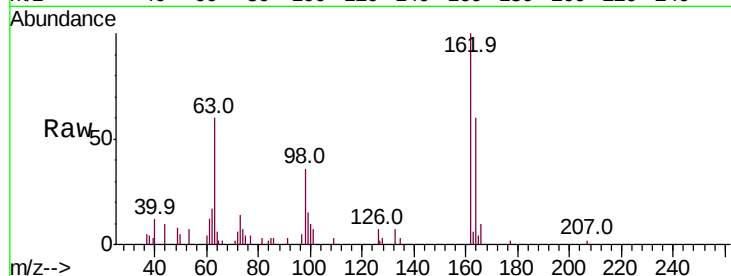




#29
2,4-Dichlorophenol
Concen: 6.867 ng
RT: 10.57 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

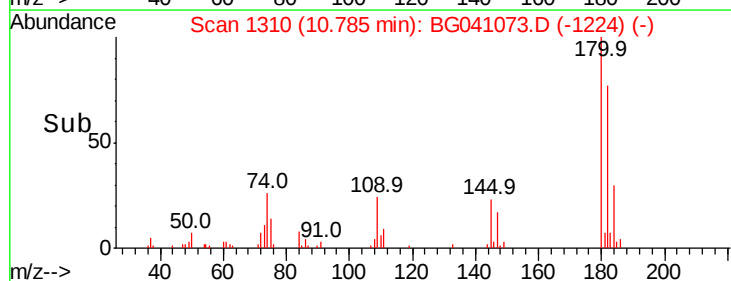
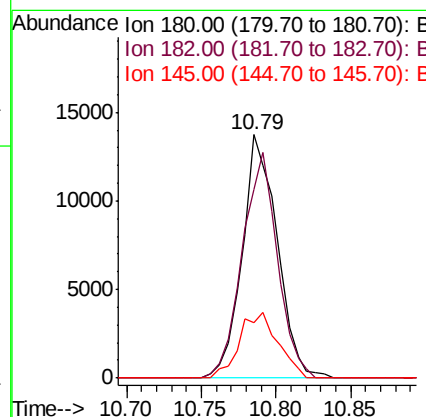
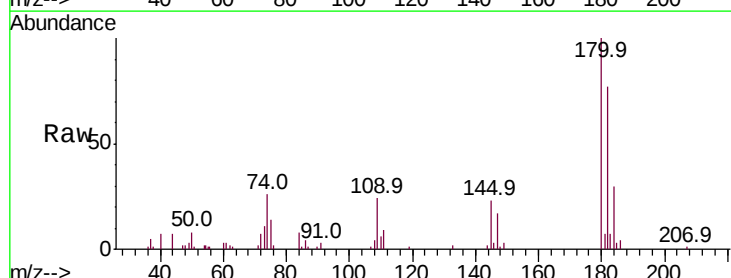
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

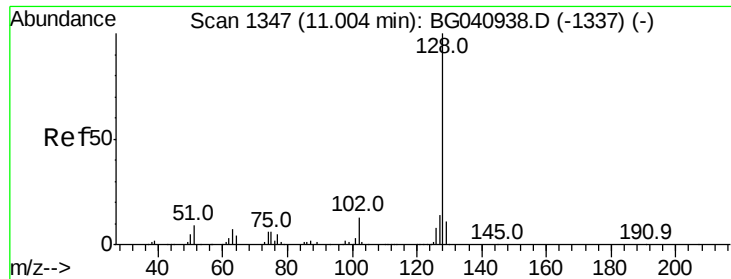
Tot Ion	Ratio	Lower	Upper
162	100		
164	60.4	39.4	79.4
98	35.5	15.3	55.3



#30
1,2,4-Trichlorobenzene
Concen: 7.419 ng
RT: 10.79 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	77.3	79.7	119.5#
145	22.9	22.6	34.0

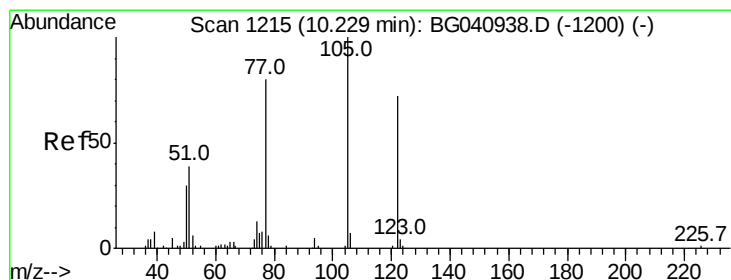
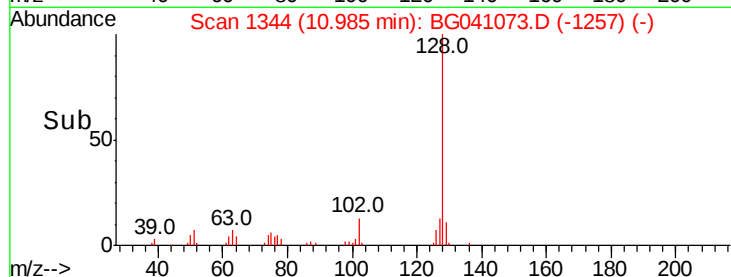
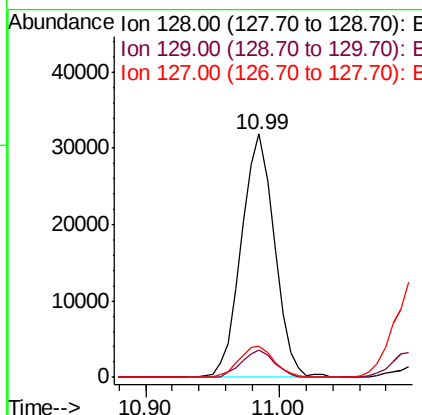
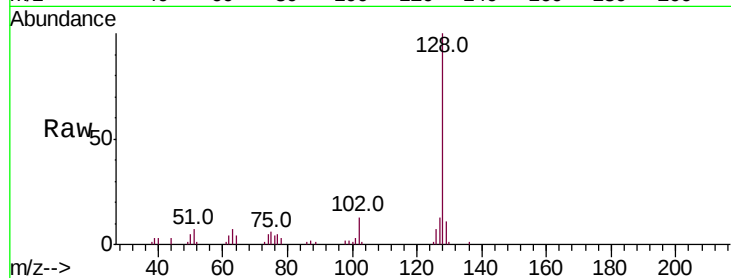




#31
Naphthalene
Concen: 7.656 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

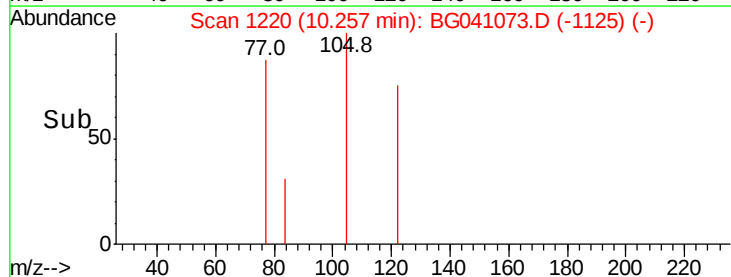
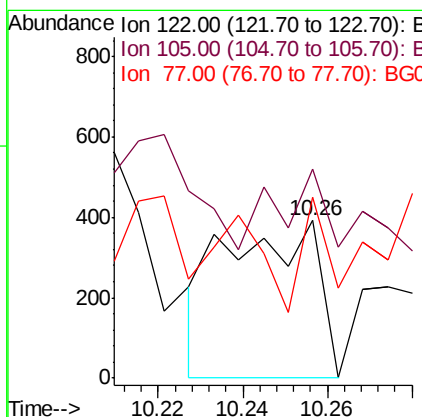
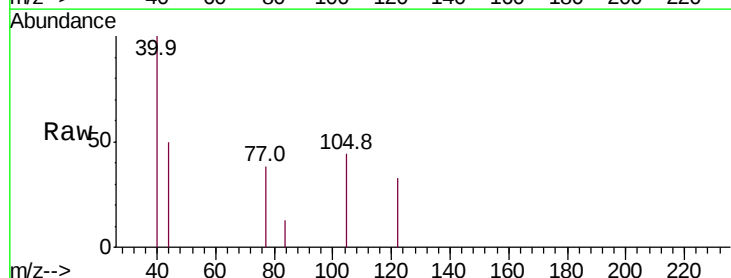
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

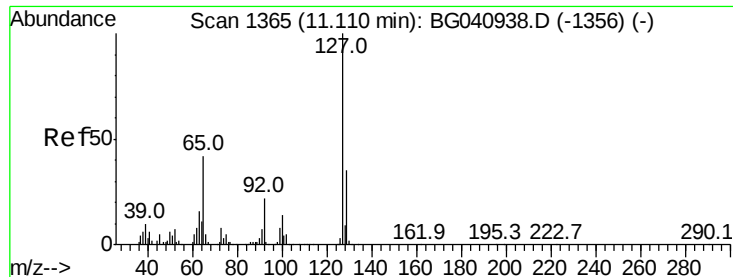
Tot Ion:128 Resp: 54708
Ion Ratio Lower Upper
128 100
129 11.2 8.5 12.7
127 12.9 11.4 17.2



#32
Benzoic acid
Concen: 8.433 ng
RT: 10.26 min Scan# 1220
Delta R.T. 0.03 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:122 Resp: 589
Ion Ratio Lower Upper
122 100
105 132.7 114.8 154.8
77 114.8 89.9 129.9

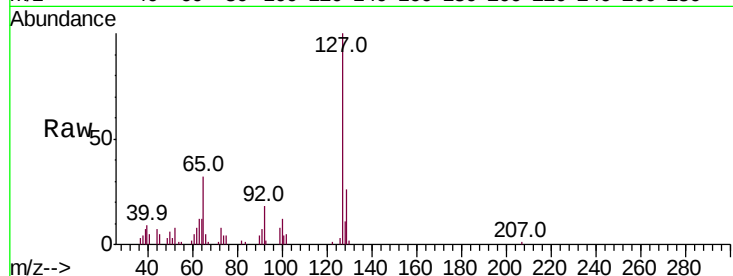




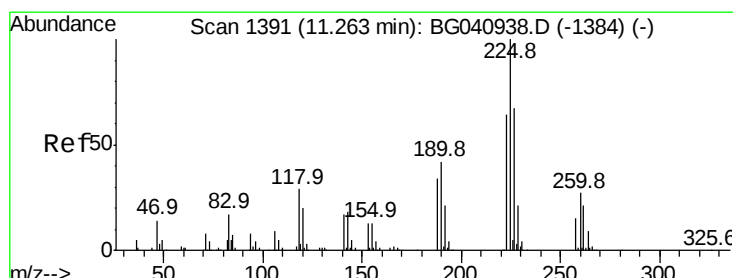
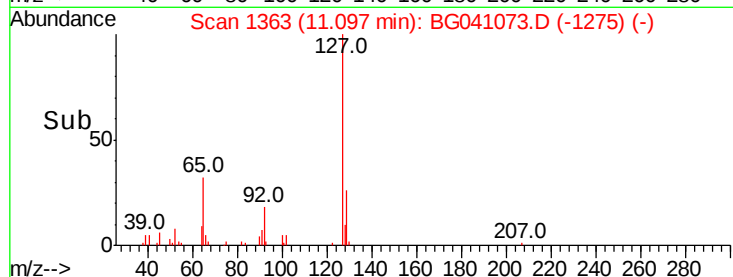
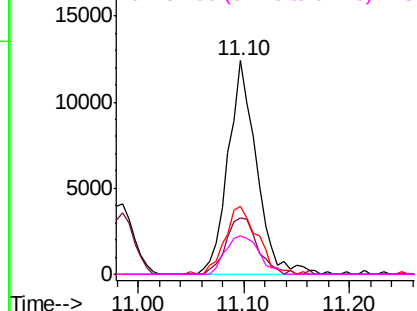
#33
4-Chloroaniline
Concen: 6.994 ng
RT: 11.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	127	Resp:	23190
Ion	Ratio	Lower	Upper
127	100		
129	26.1	27.7	41.5#
65	31.8	33.2	49.8#
92	17.9	17.2	25.8

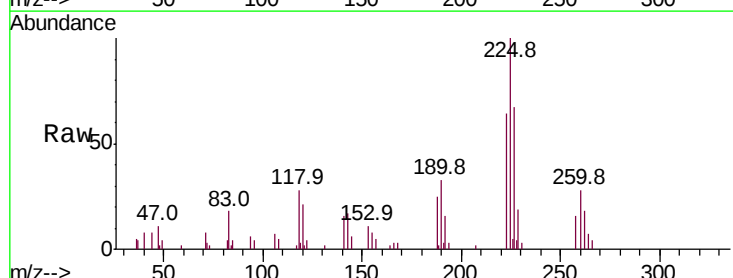


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

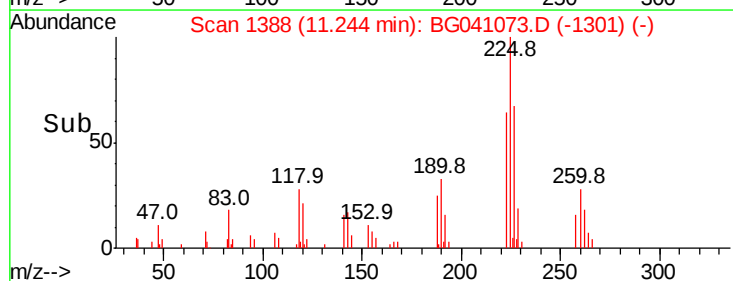
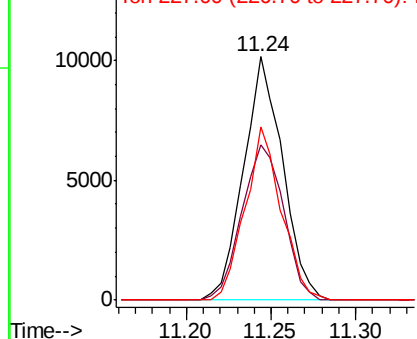


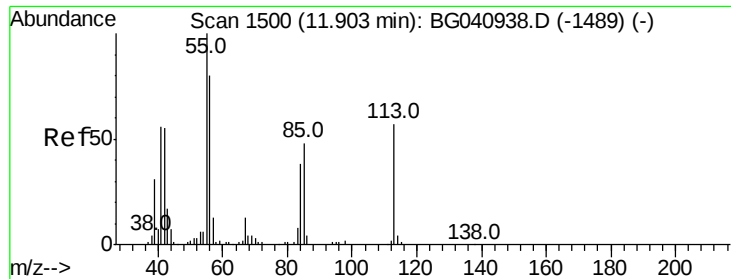
#34
Hexachlorobutadiene
Concen: 7.139 ng
RT: 11.24 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:	225	Resp:	16415
Ion	Ratio	Lower	Upper
225	100		
223	63.5	48.8	73.2
227	71.1	51.4	77.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 6.409 ng

RT: 11.84 min Scan# 1490

Delta R.T. -0.06 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

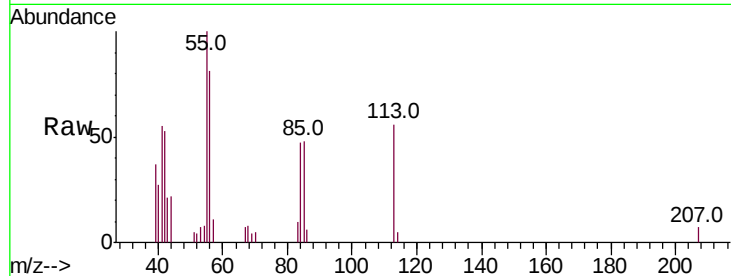
Tot Ion:113 Resp: 5591

Ion Ratio Lower Upper

113 100

55 179.0 155.9 195.9

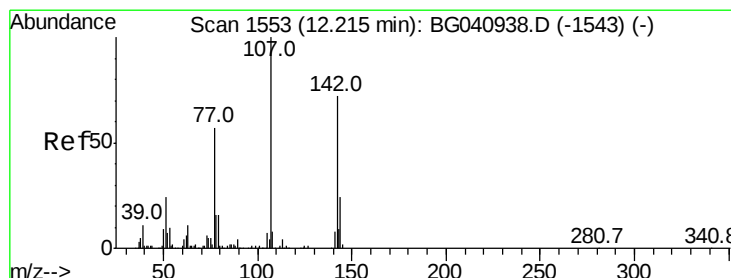
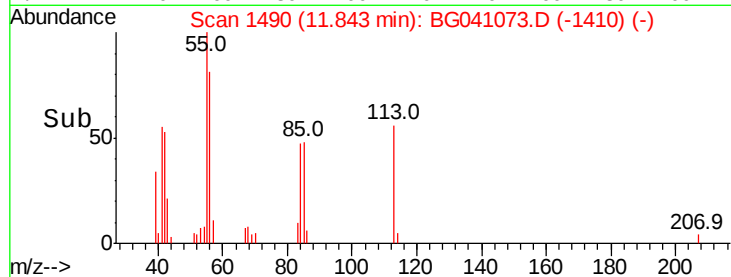
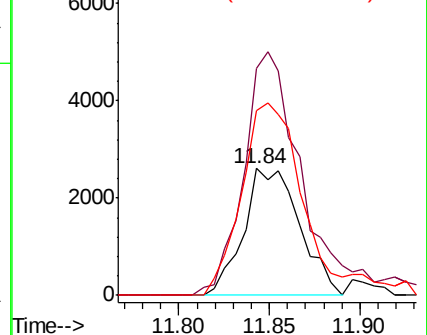
56 145.2 119.9 159.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 6.862 ng

RT: 12.20 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

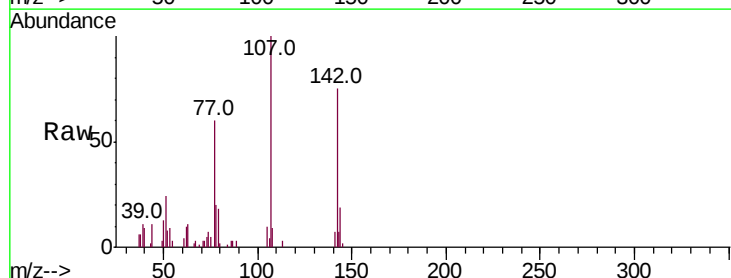
Tgt Ion:107 Resp: 20701

Ion Ratio Lower Upper

107 100

144 19.4 19.4 29.0

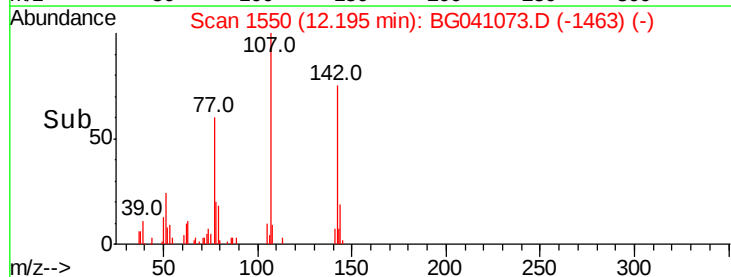
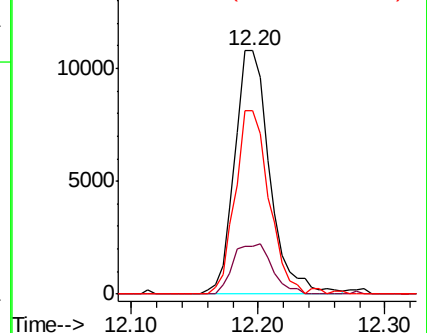
142 75.1 57.3 85.9

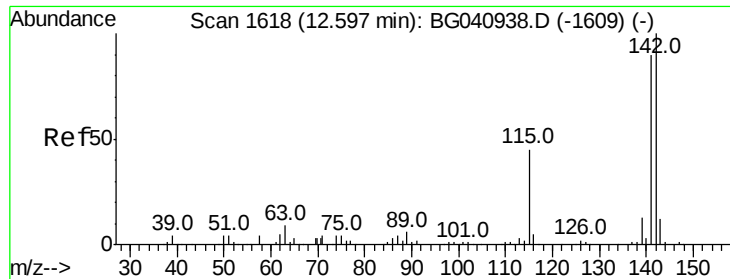


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

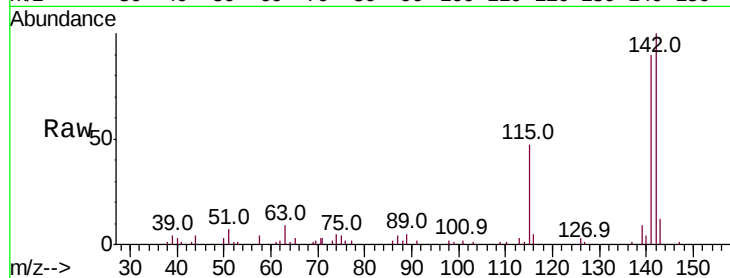




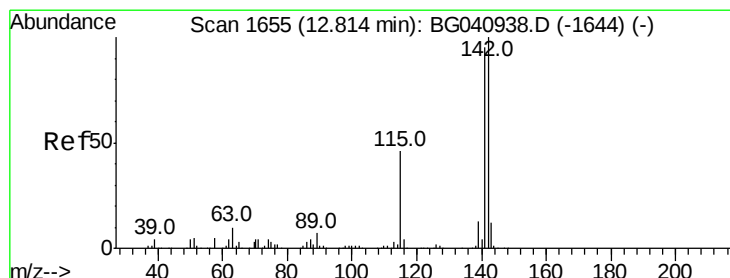
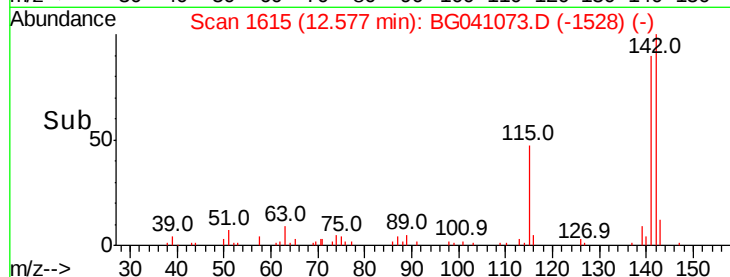
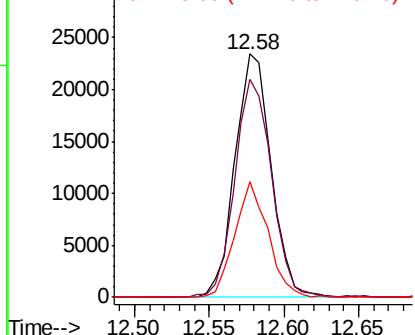
#37
2-Methylnaphthalene
Concen: 7.164 ng
RT: 12.58 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:142 Resp: 39430
Ion Ratio Lower Upper
142 100
141 89.6 72.2 108.4
115 47.3 36.2 54.4

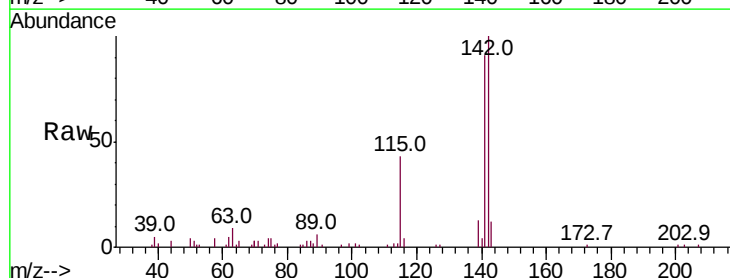


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

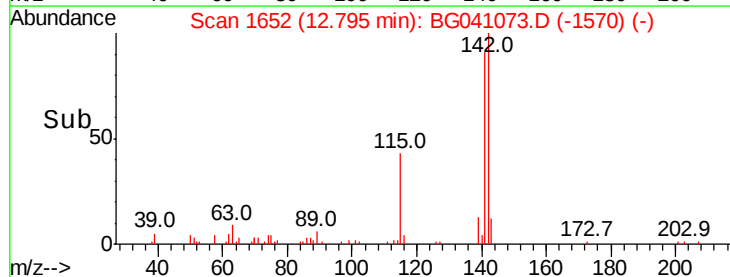
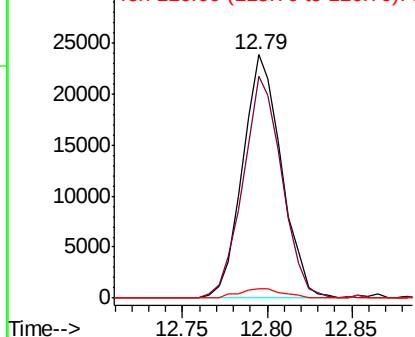


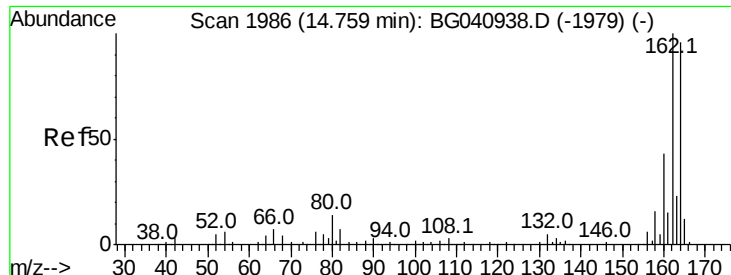
#38
1-Methylnaphthalene
Concen: 7.341 ng
RT: 12.79 min Scan# 1652
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:142 Resp: 38072
Ion Ratio Lower Upper
142 100
141 91.2 75.7 113.5
116 4.0 3.4 5.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

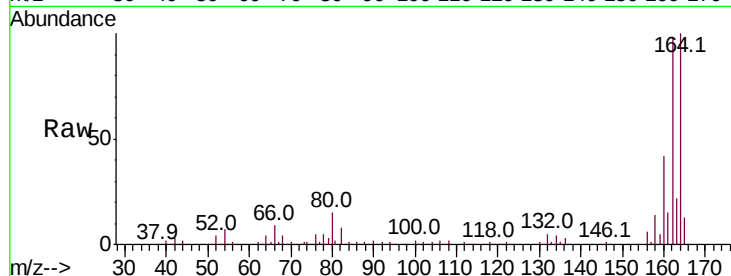
Tot Ion:164 Resp: 91365

Ion Ratio Lower Upper

164 100

162 97.7 83.0 124.4

160 42.1 35.6 53.4

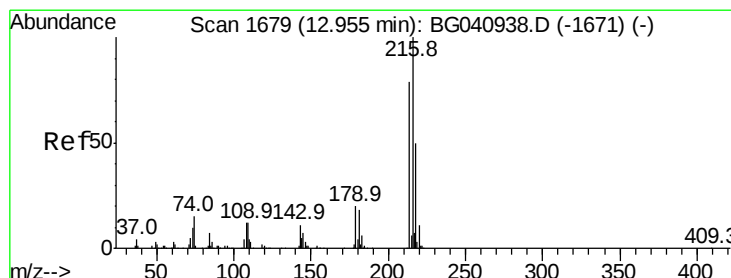
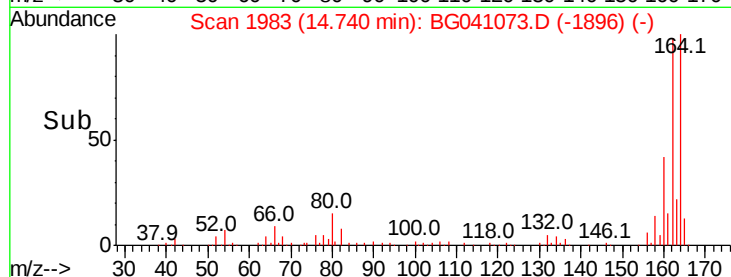
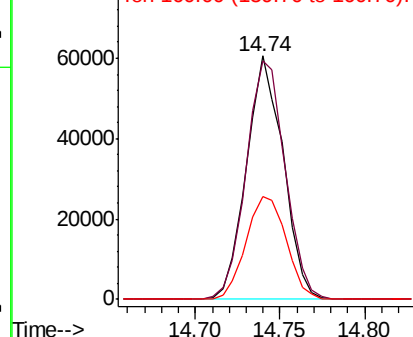


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.748 ng

RT: 12.94 min Scan# 1676

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:216 Resp: 28531

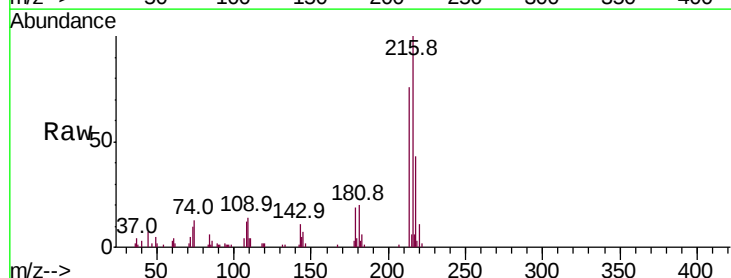
Ion Ratio Lower Upper

216 100

214 82.0 63.4 95.2

179 19.0 15.2 22.8

108 14.9 11.4 17.2



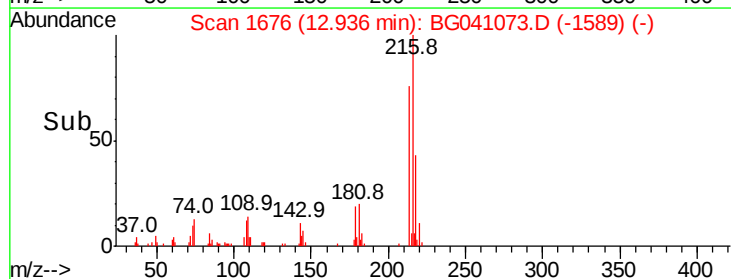
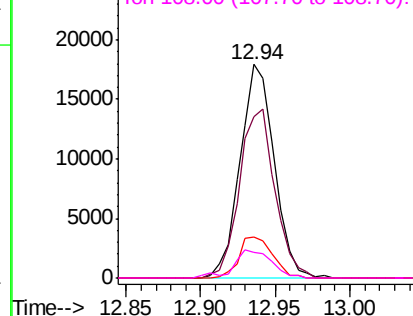
Abundance

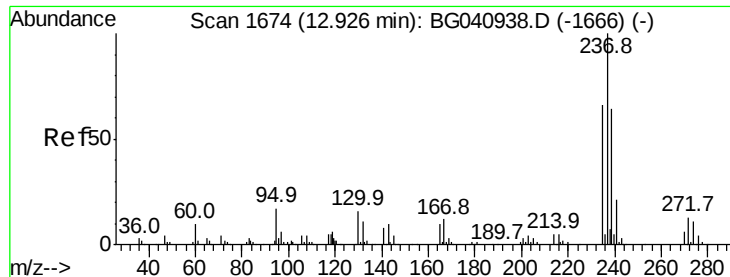
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

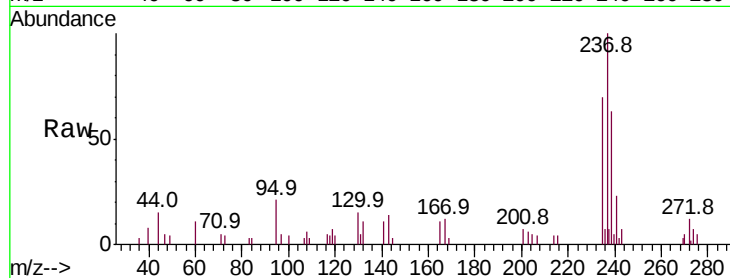




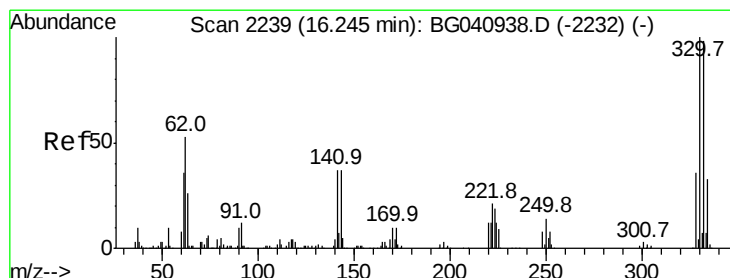
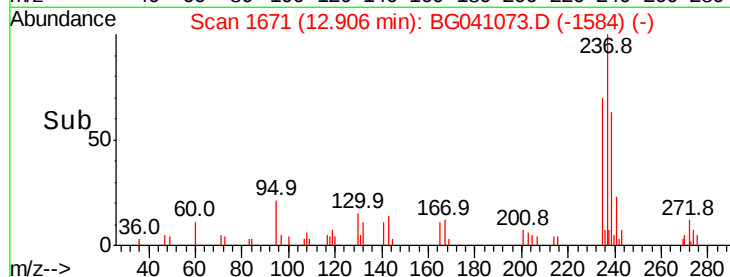
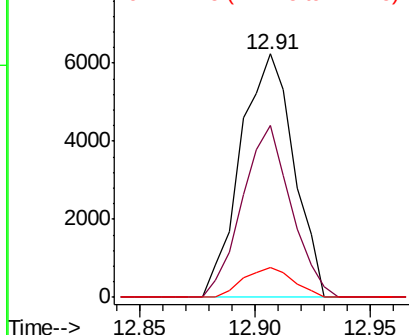
#41
Hexachlorocyclopentadiene
Concen: 12.750 ng
RT: 12.91 min Scan# 1671
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:237 Resp: 9962
Ion Ratio Lower Upper
237 100
235 70.5 45.5 85.5
272 12.1 0.0 32.9

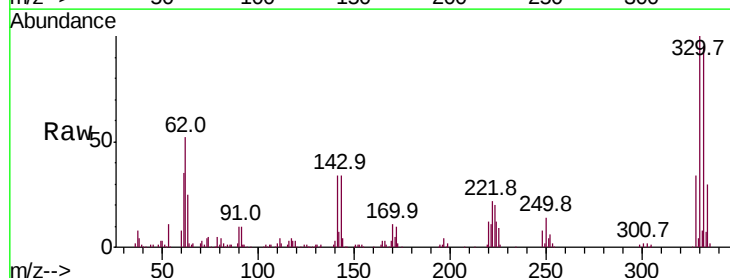


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

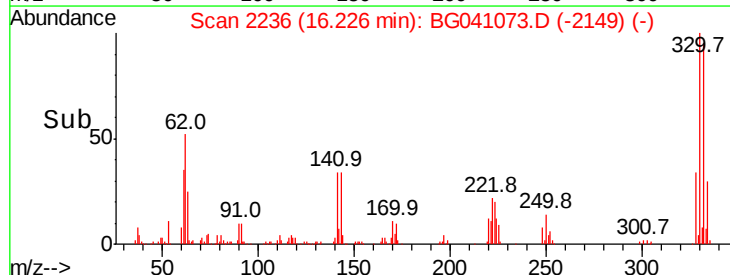
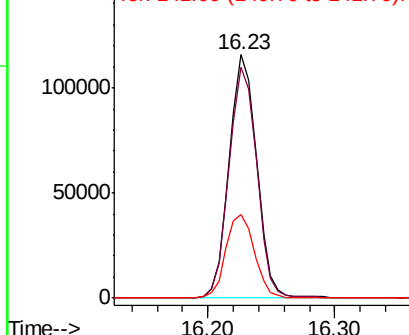


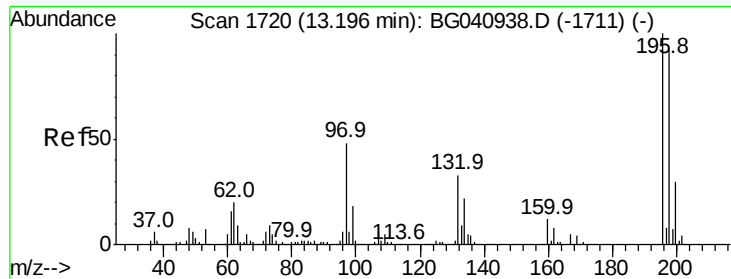
#42
2,4,6-Tribromophenol
Concen: 128.587 ng
RT: 16.23 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:330 Resp: 174412
Ion Ratio Lower Upper
330 100
332 95.9 78.5 117.7
141 35.5 28.7 43.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

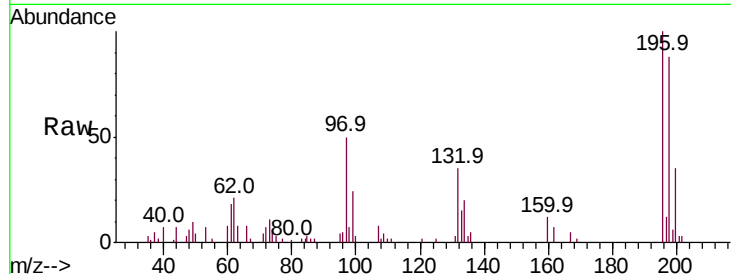




#43
 2,4,6-Trichlorophenol
 Concen: 7.035 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion:196	Resp:	16759	
Ion Ratio	Lower	Upper	
196	100		
198	87.9	73.8	110.6
200	34.6	24.1	36.1

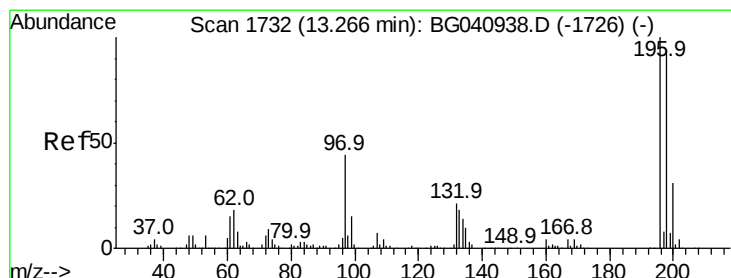
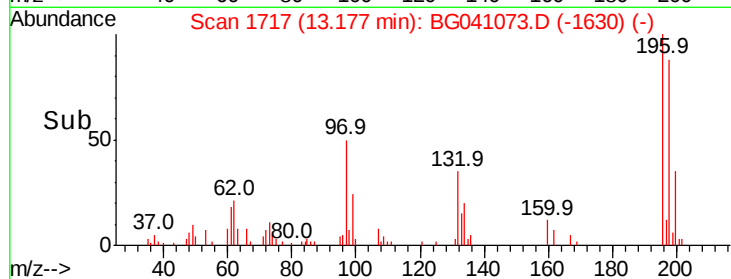
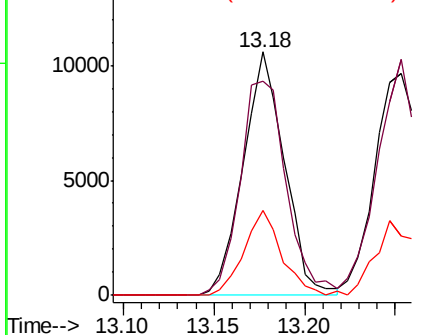


Abundance

Ion 196.00 (195.70 to 196.70): E

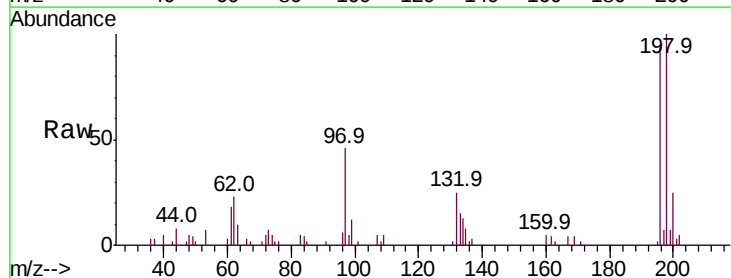
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 7.342 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt	Ion:196	Resp:	18446
Ion	Ratio	Lower	Upper
196	100		
198	106.4	75.1	112.7
97	48.5	35.6	53.4
132	26.7	16.7	25.1#



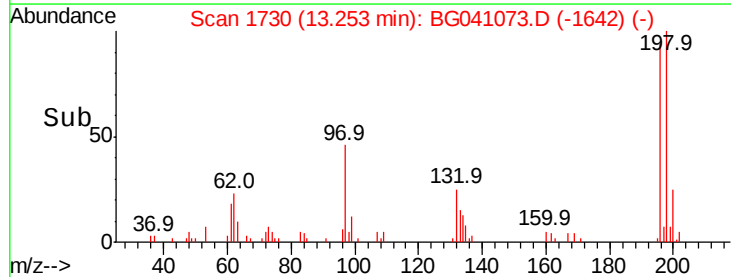
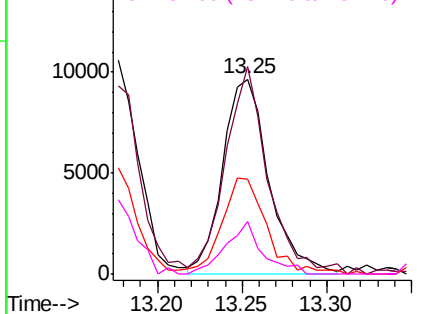
Abundance

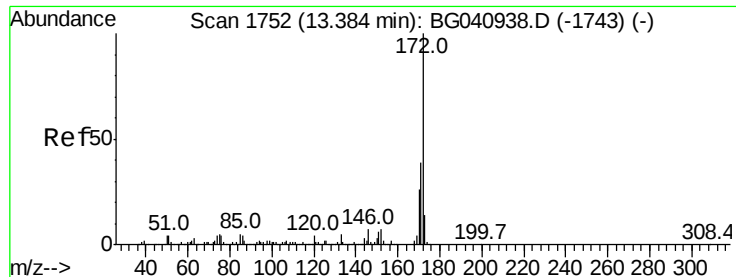
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

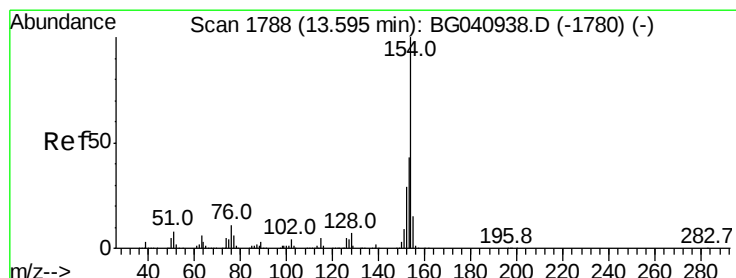
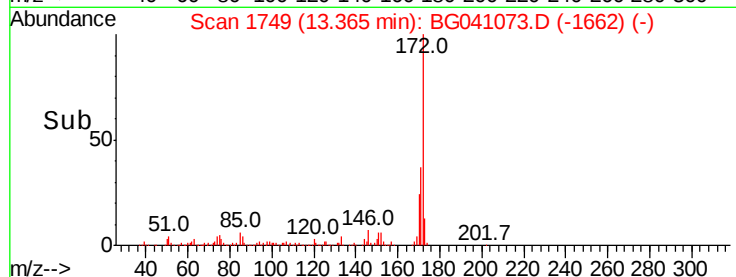
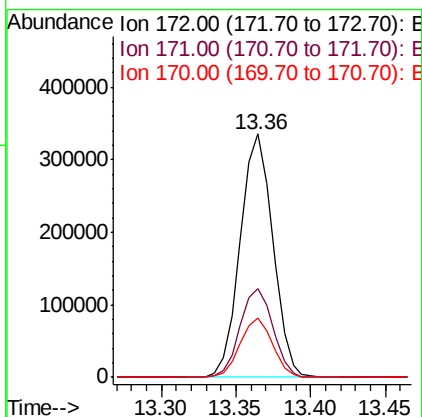
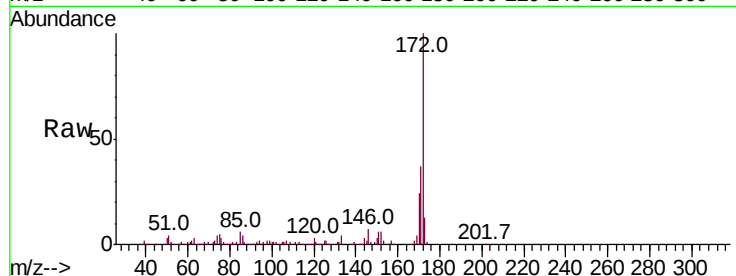




#45
2-Fluorobiphenyl
Concen: 80.102 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

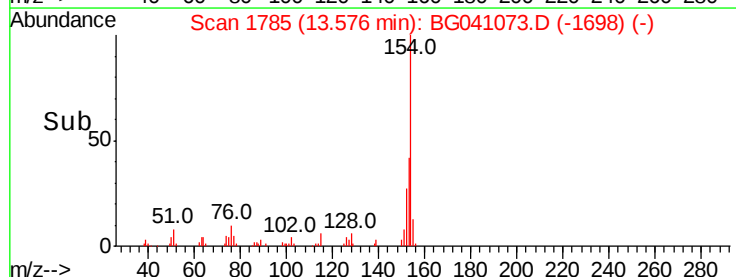
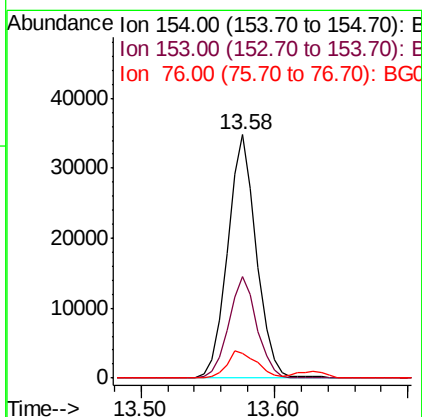
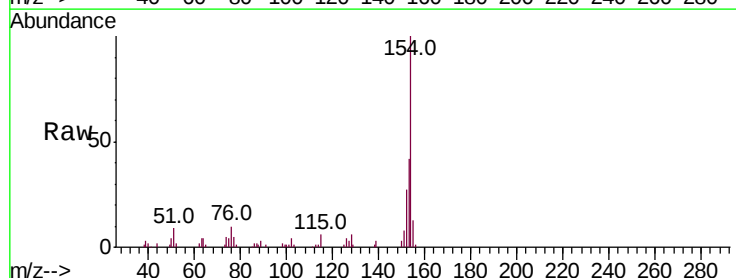
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

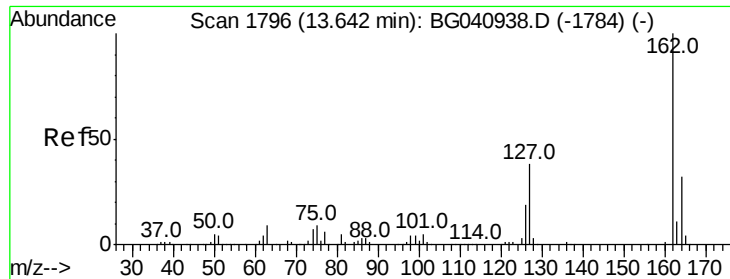
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	31.1	46.7
170	24.4	20.5	30.7



#46
1,1'-Biphenyl
Concen: 7.724 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.7	23.3	63.3
76	10.4	0.0	31.1

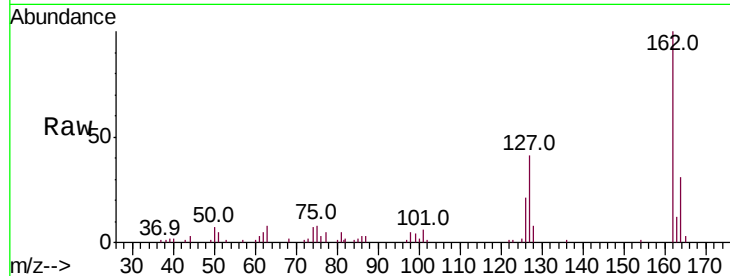




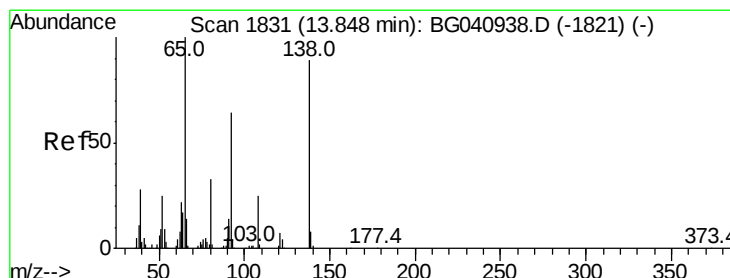
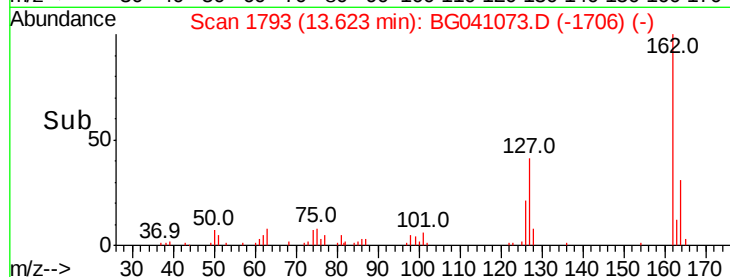
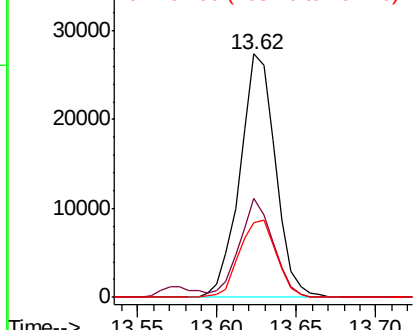
#47
 2-Chloronaphthalene
 Concen: 7.324 ng
 RT: 13.62 min Scan# 1793
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.6	30.5	45.7
164	30.7	25.8	38.6

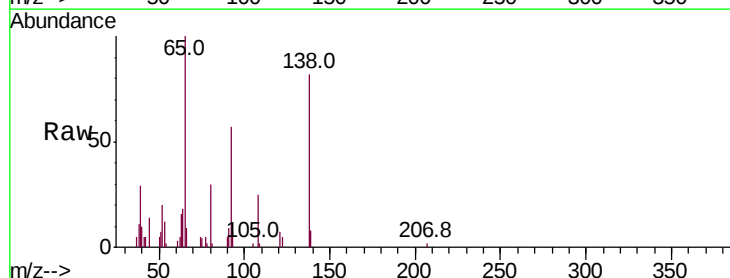


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

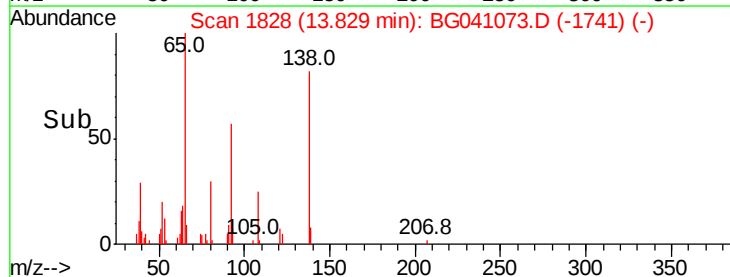
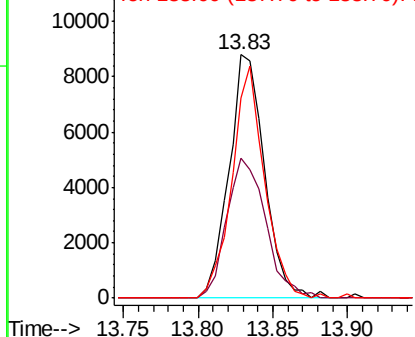


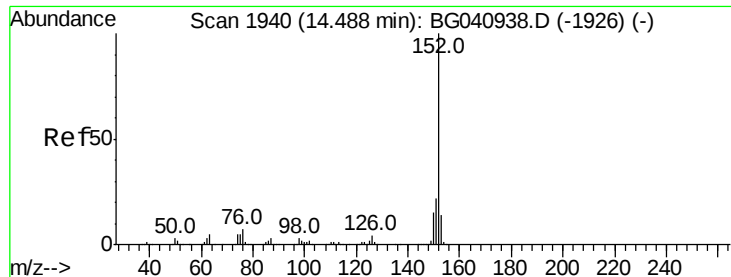
#48
 2-Nitroaniline
 Concen: 7.011 ng
 RT: 13.83 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
65	100		
92	57.4	51.0	76.6
138	82.2	71.2	106.8



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 7.849 ng

RT: 14.47 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

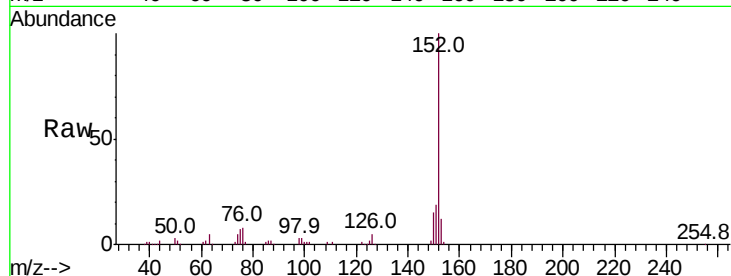
Tot Ion:152 Resp: 68586

Ion Ratio Lower Upper

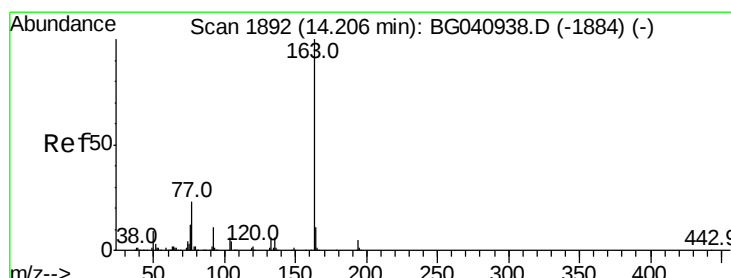
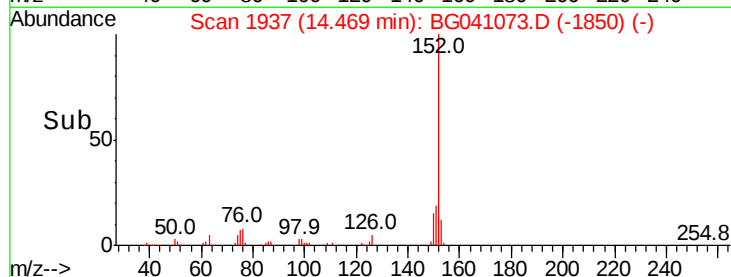
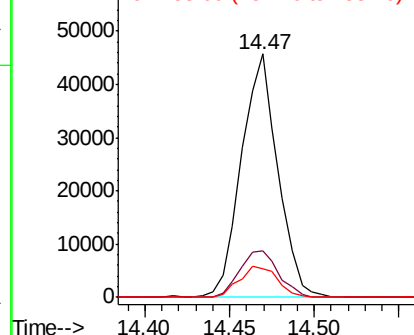
152 100

151 19.3 17.4 26.0

153 11.7 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.211 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

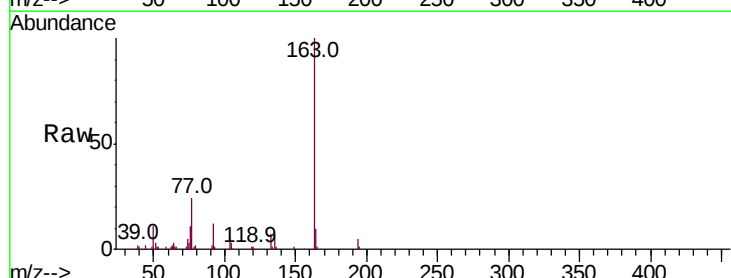
Tgt Ion:163 Resp: 55769

Ion Ratio Lower Upper

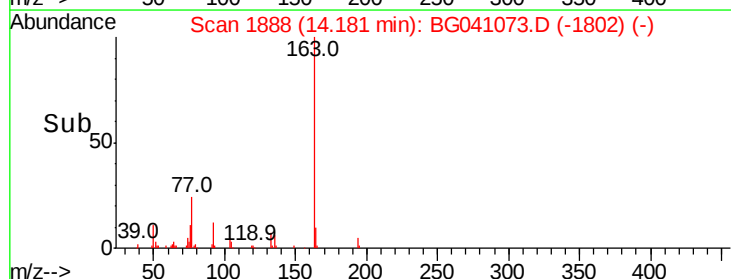
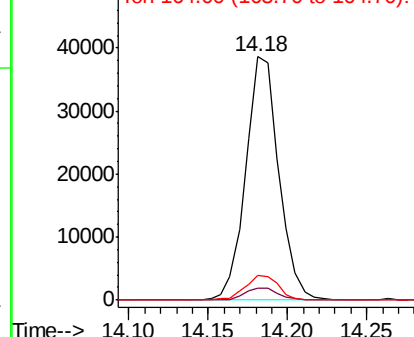
163 100

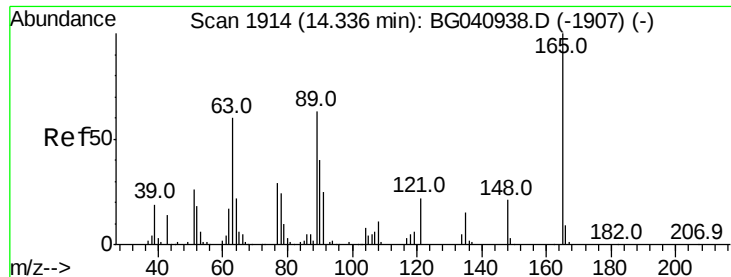
194 4.7 3.8 5.8

164 10.2 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.449 ng

RT: 14.32 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

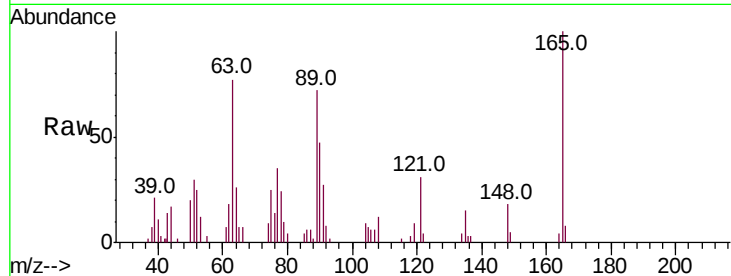
Tot Ion:165 Resp: 12422

Ion Ratio Lower Upper

165 100

63 77.3 53.6 80.4

89 72.0 50.4 75.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

10000

8000

6000

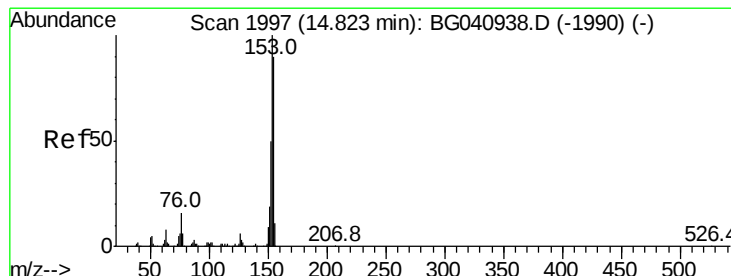
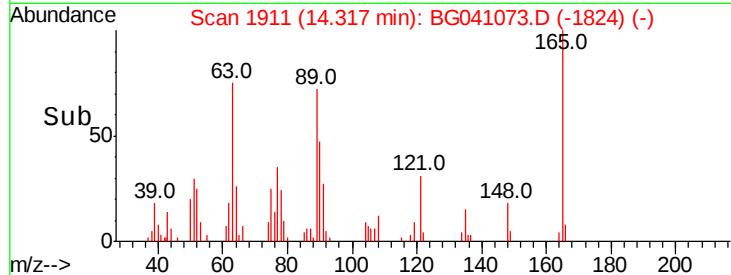
4000

2000

0

14.25 14.30 14.35

Time-->



#52

Acenaphthene

Concen: 7.618 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

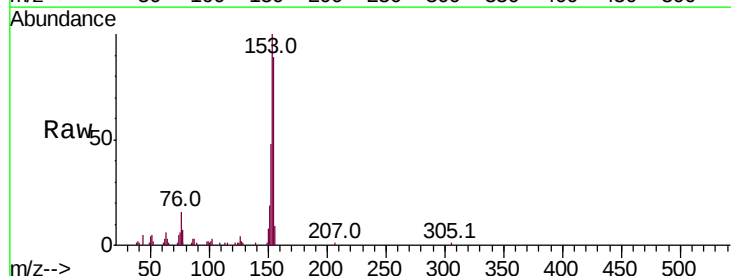
Tgt Ion:154 Resp: 40327

Ion Ratio Lower Upper

154 100

153 112.0 88.6 133.0

152 54.2 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

40000

30000

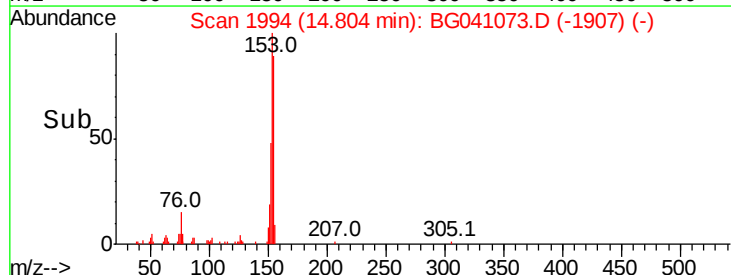
20000

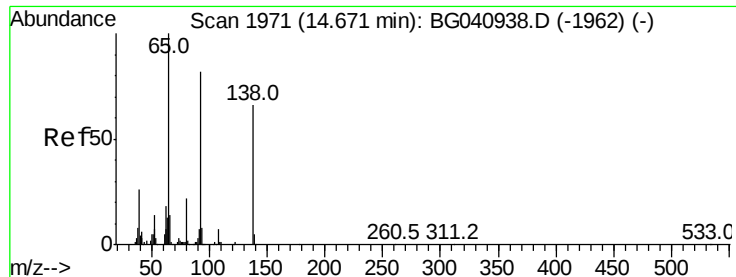
10000

0

14.75 14.80 14.85

Time-->





#53

3-Nitroaniline

Concen: 6.922 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

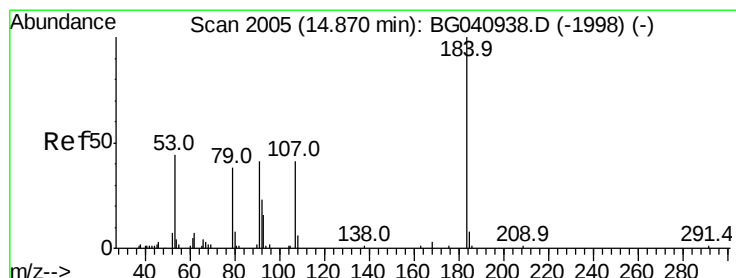
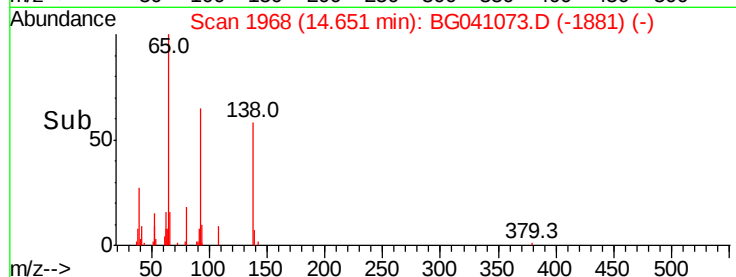
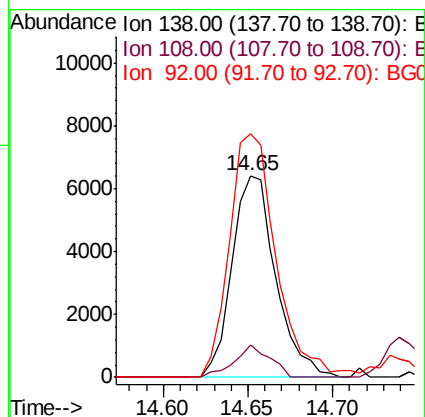
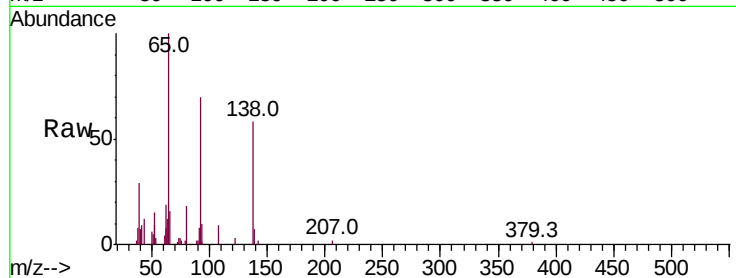
Tot Ion:138 Resp: 11542

Ion Ratio Lower Upper

138 100

108 16.4 8.5 12.7#

92 120.9 99.0 148.6



#54

2,4-Dinitrophenol

Concen: 10.437 ng

RT: 14.87 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

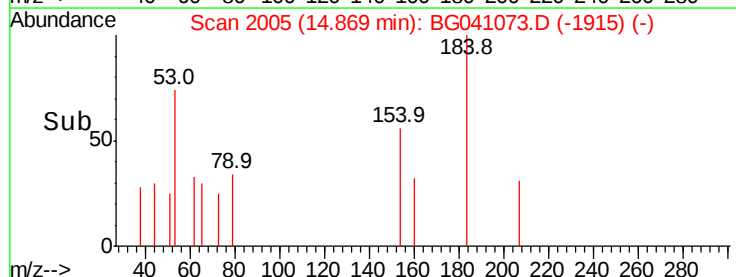
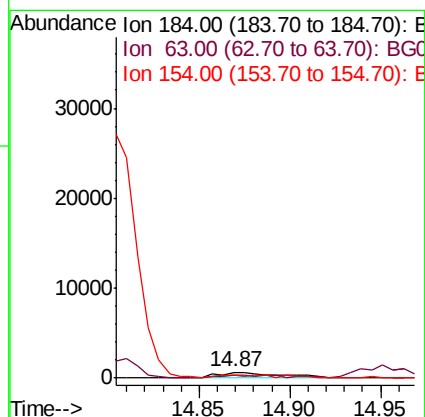
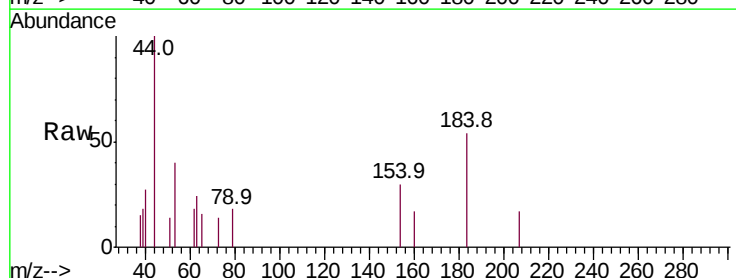
Tgt Ion:184 Resp: 1515

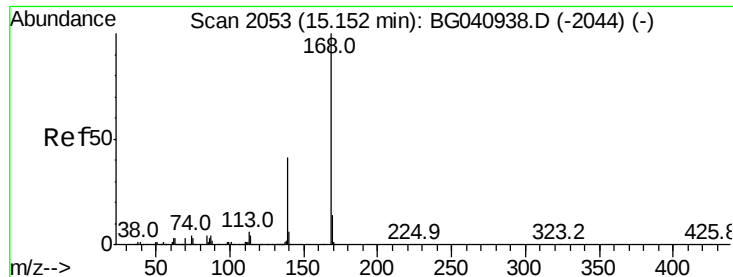
Ion Ratio Lower Upper

184 100

63 44.8 49.8 74.6#

154 55.7 52.2 78.4





#55

Dibenzofuran

Concen: 7.926 ng

RT: 15.14 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

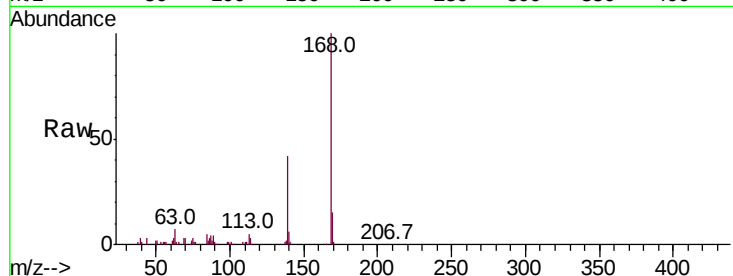
Tot Ion:168 Resp: 70598

Ion Ratio Lower Upper

168 100

139 41.9 32.8 49.2

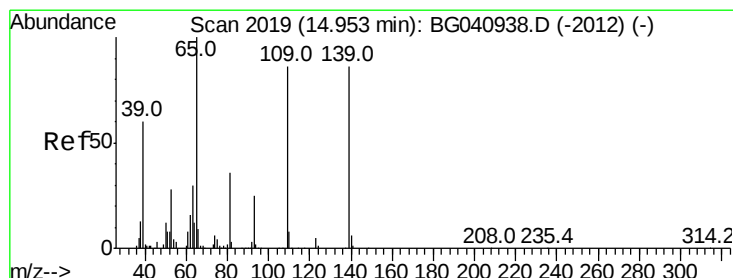
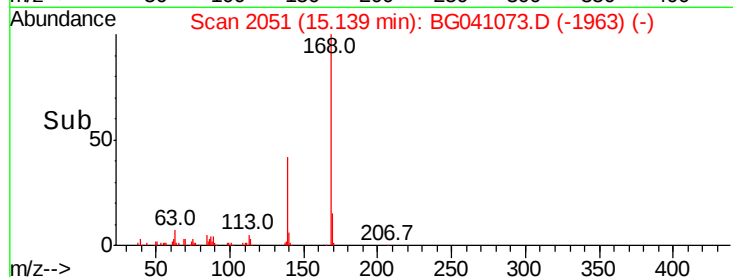
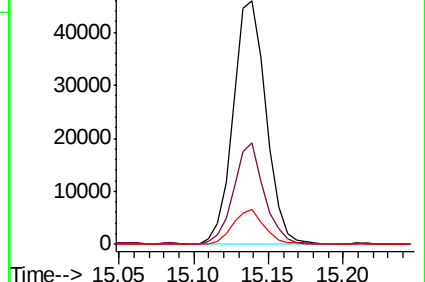
169 14.6 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 6.404 ng

RT: 14.95 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

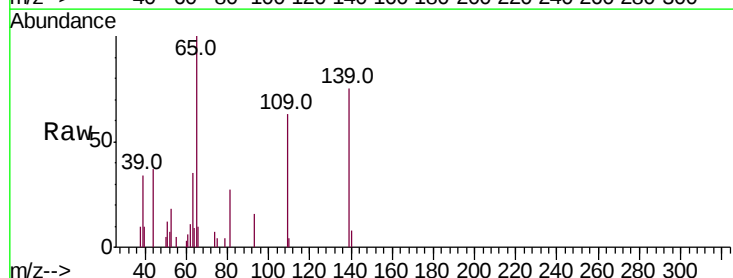
Tgt Ion:139 Resp: 7325

Ion Ratio Lower Upper

139 100

109 84.0 79.6 119.6

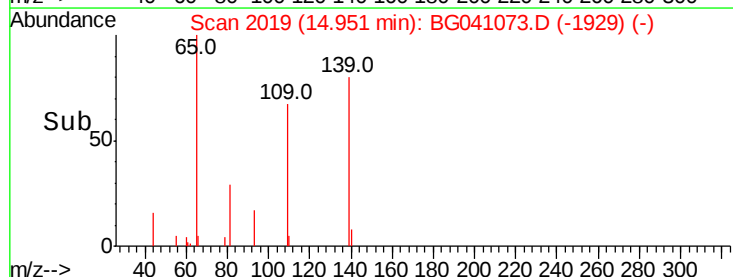
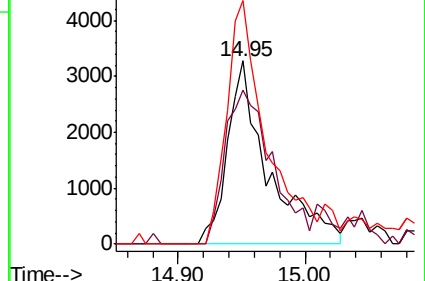
65 133.0 96.9 136.9

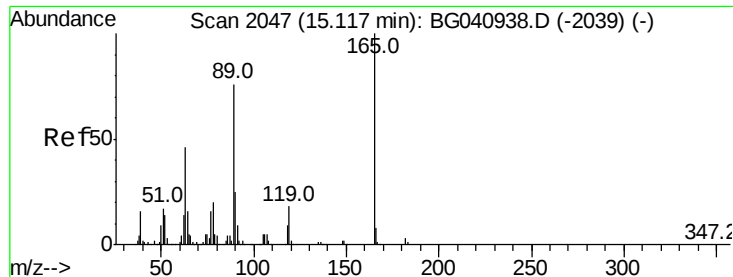


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

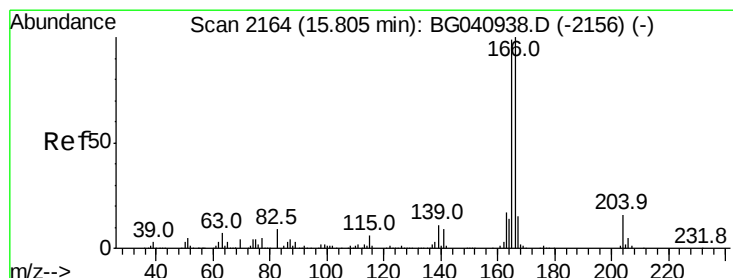
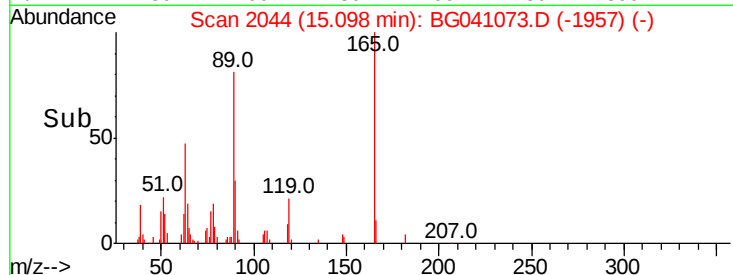
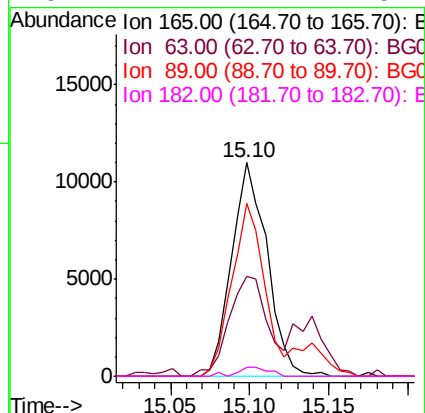
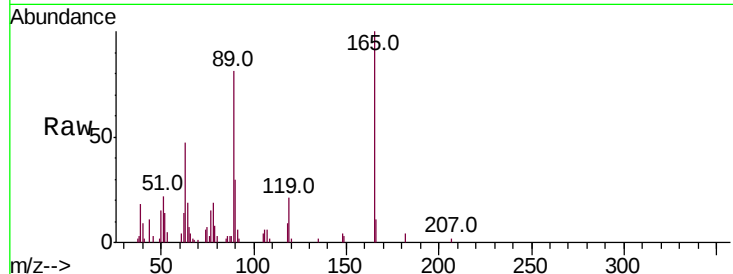




#57
2,4-Dinitrotoluene
Concen: 7.237 ng
RT: 15.10 min Scan# 2044
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

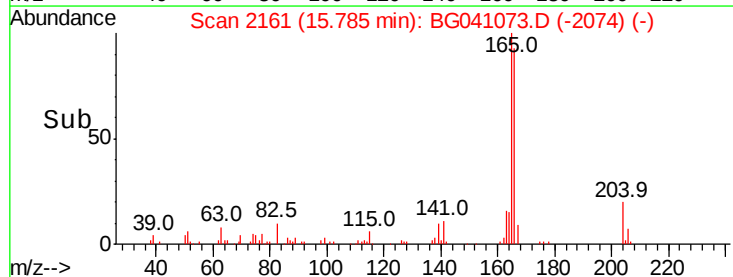
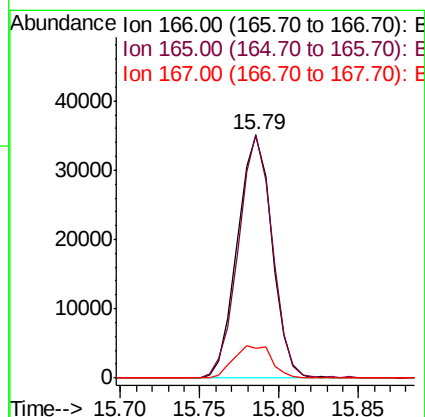
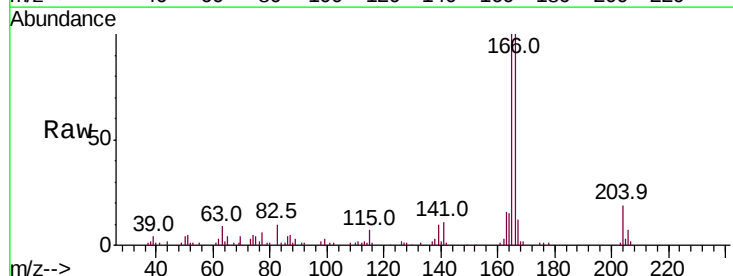
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

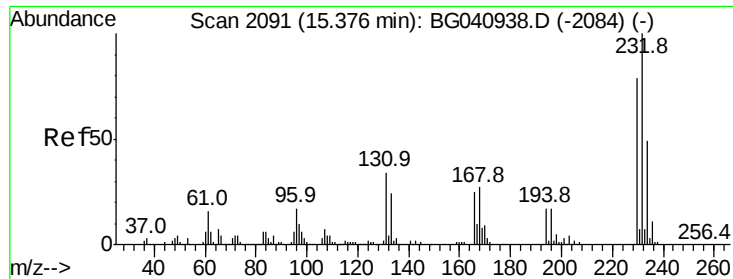
Tot Ion:165 Resp: 17048
Ion Ratio Lower Upper
165 100
63 46.6 37.3 55.9
89 80.7 61.0 91.6
182 4.1 2.2 3.2#



#58
Fluorene
Concen: 7.465 ng
RT: 15.79 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:166 Resp: 52955
Ion Ratio Lower Upper
166 100
165 100.5 79.2 118.8
167 12.5 11.8 17.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.958 ng

RT: 15.36 min Scan# 2088

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:232 Resp: 19650

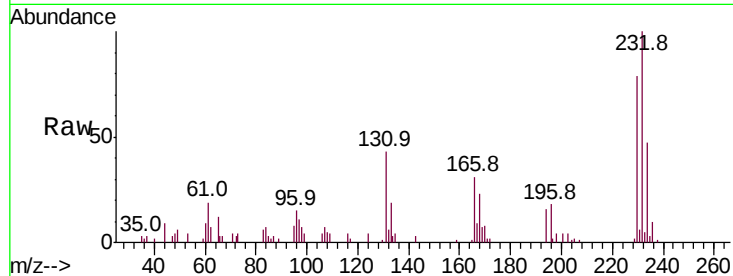
Ion Ratio Lower Upper

232 100

131 35.0 30.3 45.5

130 2.0 1.8 2.8

166 25.5 21.3 31.9

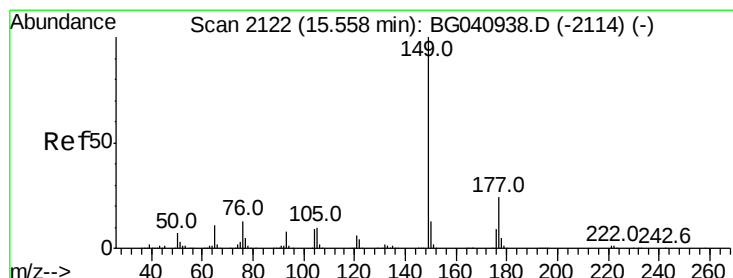
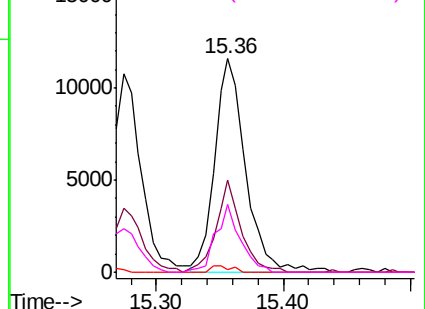
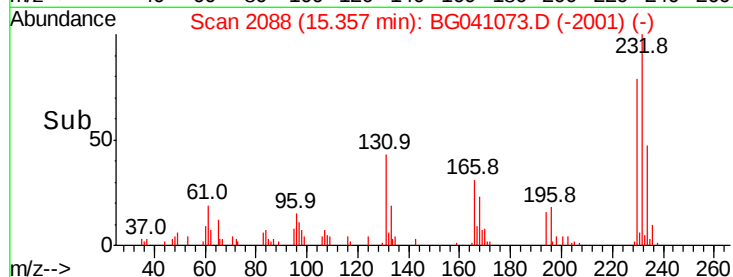


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 7.245 ng

RT: 15.54 min Scan# 2119

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

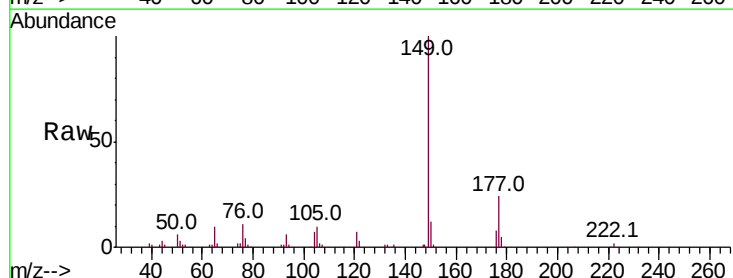
Tgt Ion:149 Resp: 57181

Ion Ratio Lower Upper

149 100

177 24.3 19.4 29.0

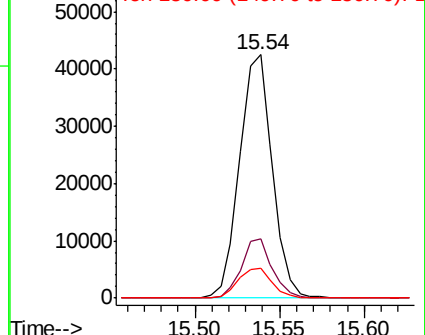
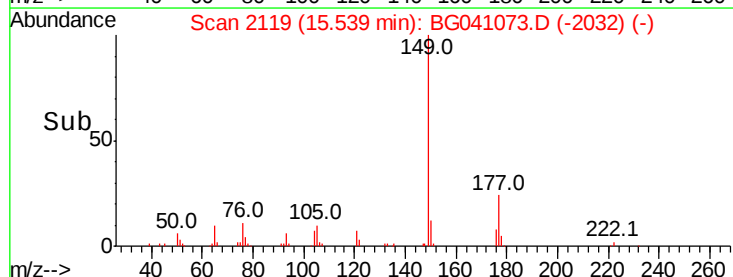
150 12.1 10.3 15.5

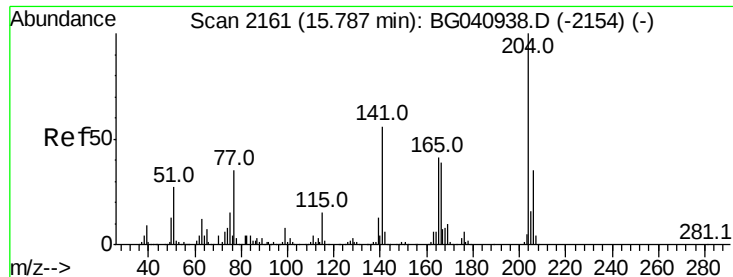


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 7.047 ng

RT: 15.77 min Scan# 2158

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

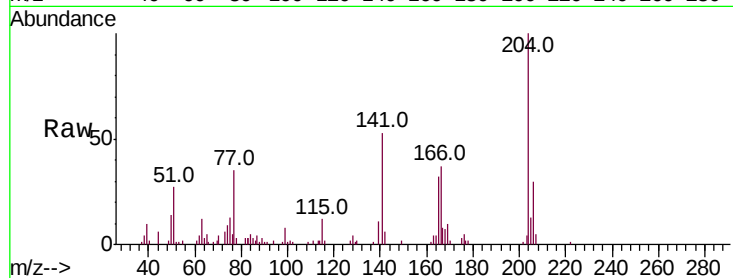
Tot Ion:204 Resp: 32492

Ion Ratio Lower Upper

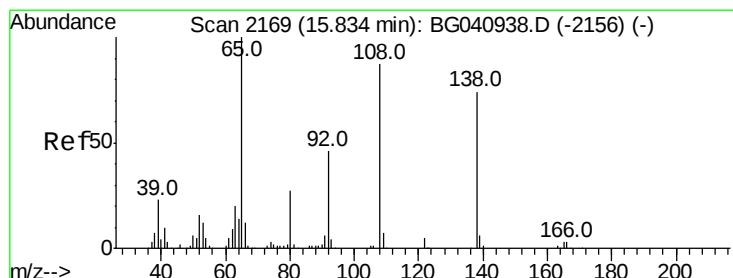
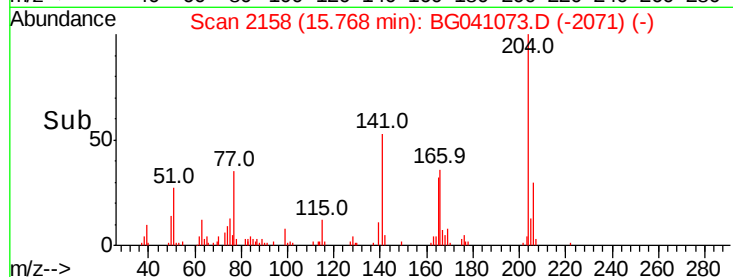
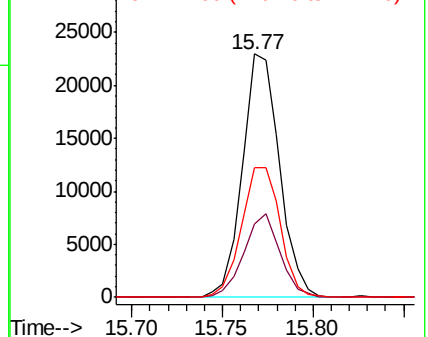
204 100

206 30.3 27.6 41.4

141 53.4 45.1 67.7



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 7.634 ng

RT: 15.81 min Scan# 2166

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

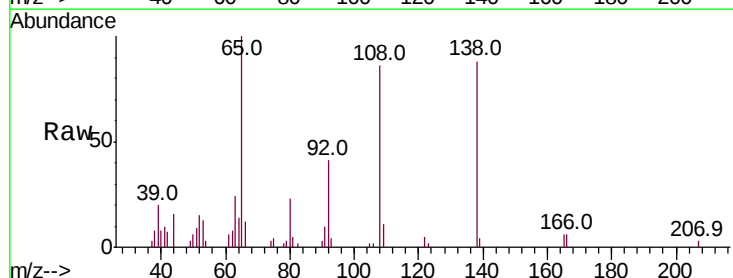
Tgt Ion:138 Resp: 13477

Ion Ratio Lower Upper

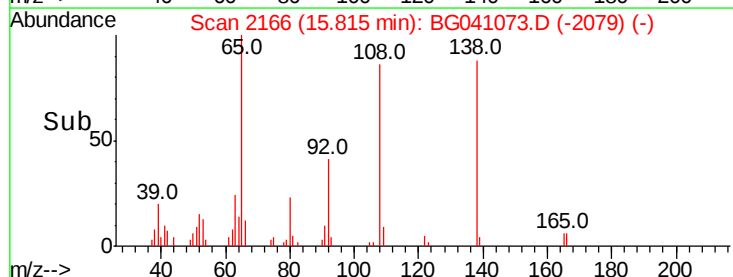
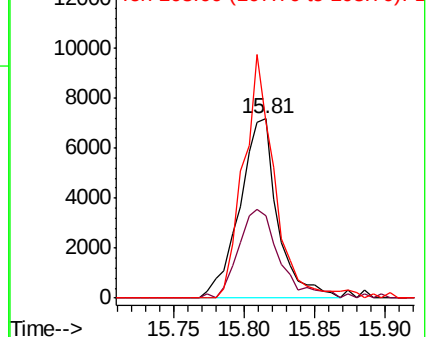
138 100

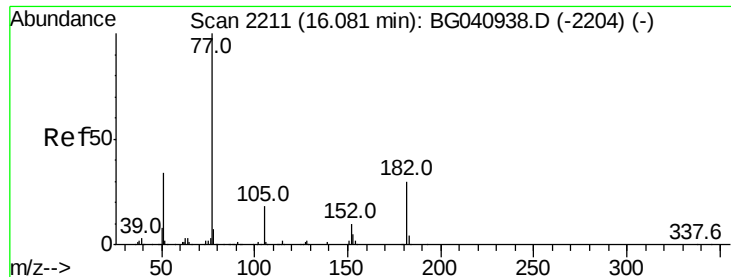
92 46.2 42.4 82.4

108 97.6 96.9 136.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 7.422 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion: 77 Resp: 53241

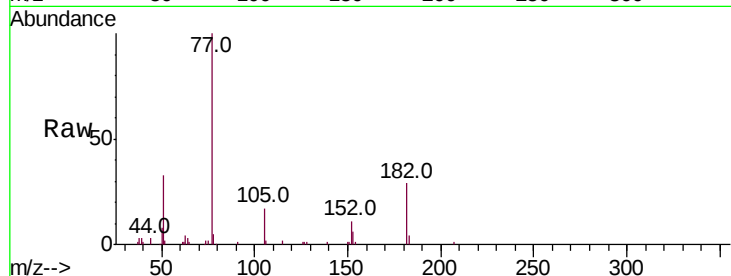
Ion Ratio Lower Upper

77 100

182 28.8 9.6 49.6

105 17.2 0.0 37.5

51 32.9 13.7 53.7

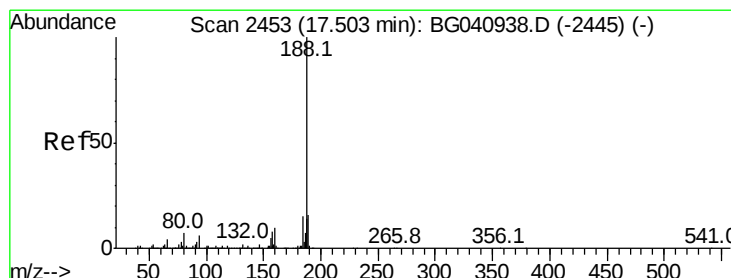
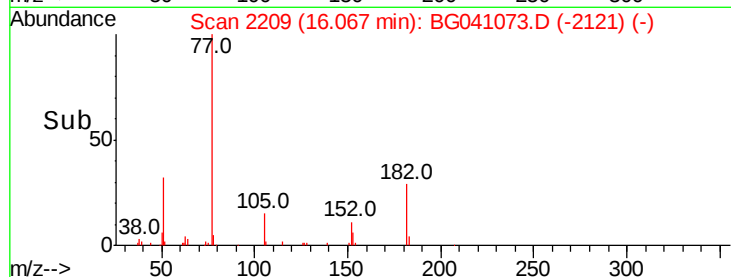
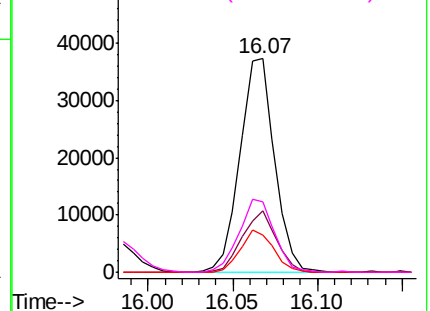


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

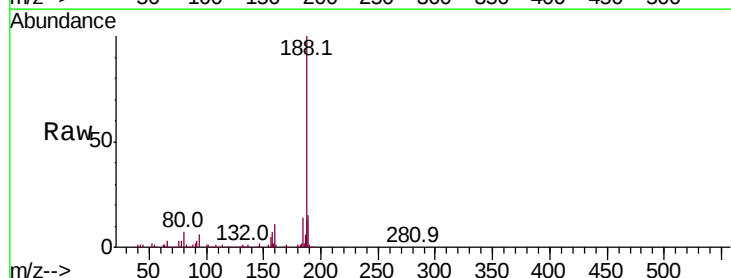
Tgt Ion: 188 Resp: 242284

Ion Ratio Lower Upper

188 100

94 5.9 4.7 7.1

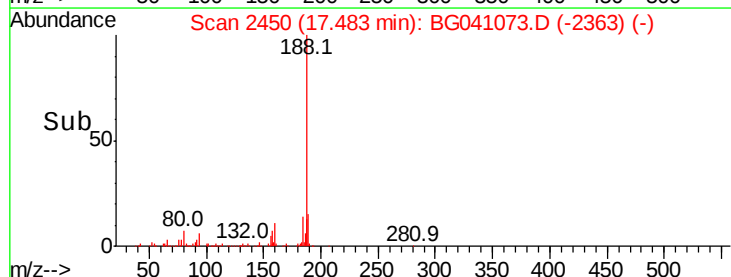
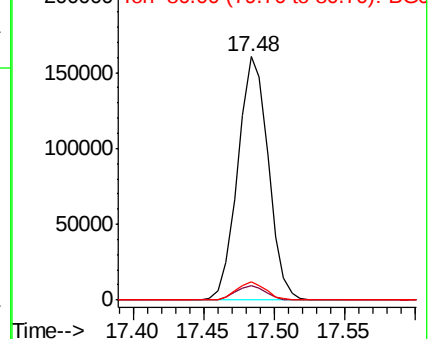
80 7.3 5.8 8.8

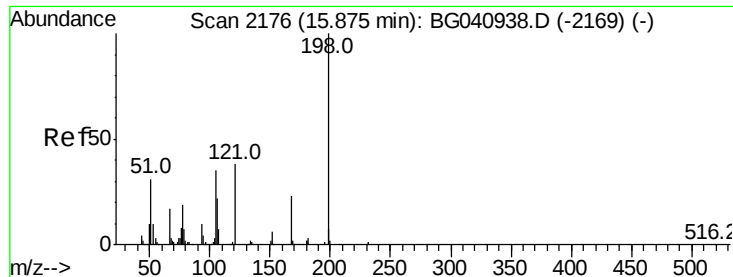


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 12.460 ng

RT: 15.86 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

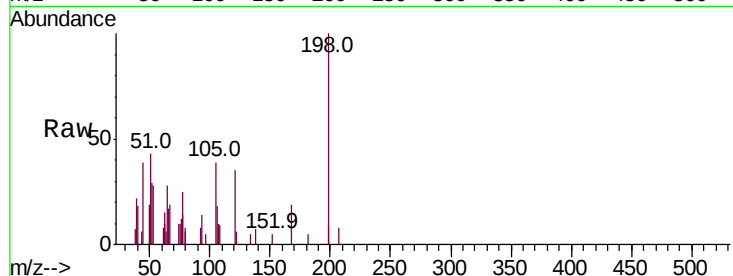
Tot Ion:198 Resp: 6121

Ion Ratio Lower Upper

198 100

51 42.5 21.6 61.6

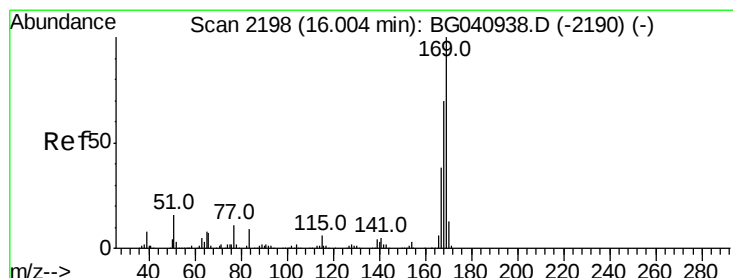
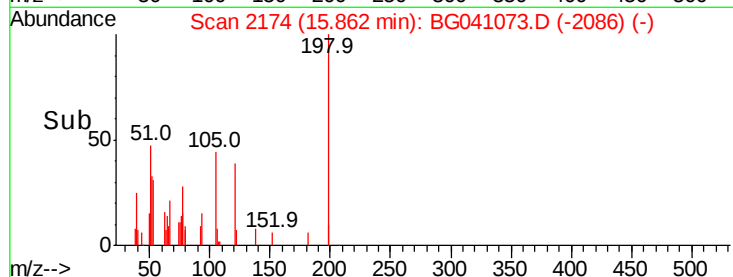
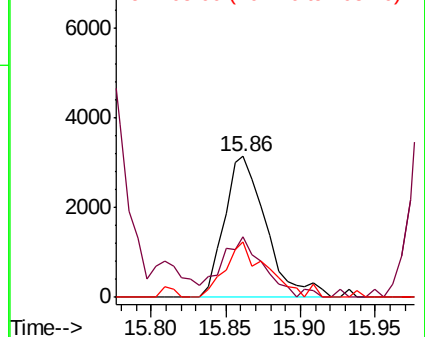
105 39.4 17.5 57.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 7.290 ng

RT: 15.99 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

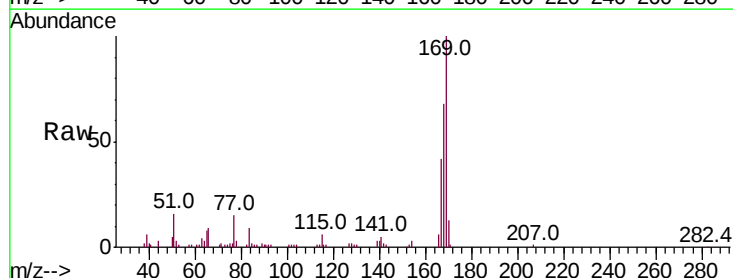
Tgt Ion:169 Resp: 49654

Ion Ratio Lower Upper

169 100

168 67.6 55.7 83.5

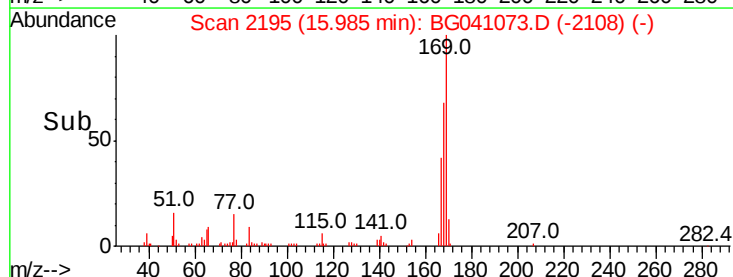
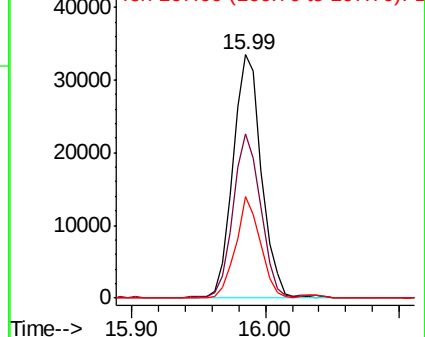
167 41.6 30.2 45.2

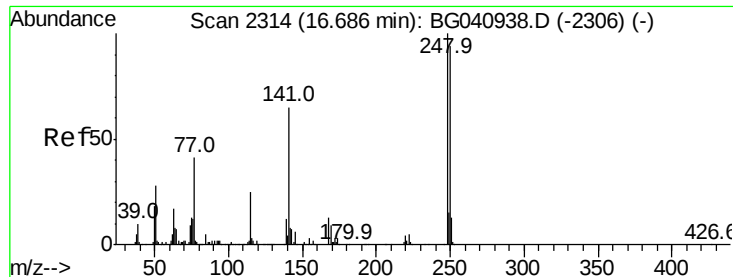


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

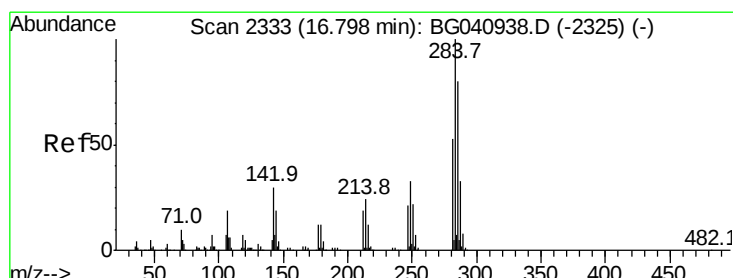
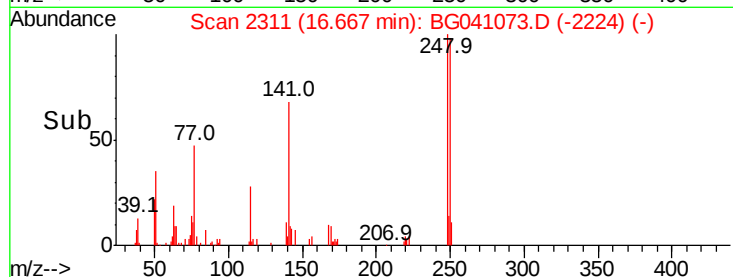
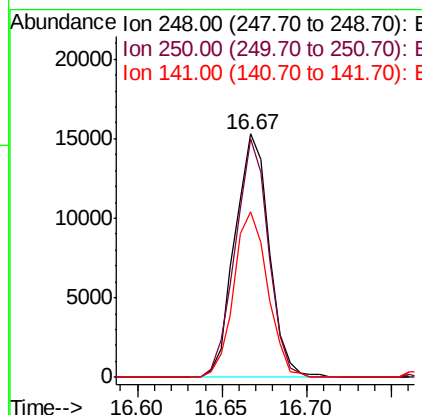
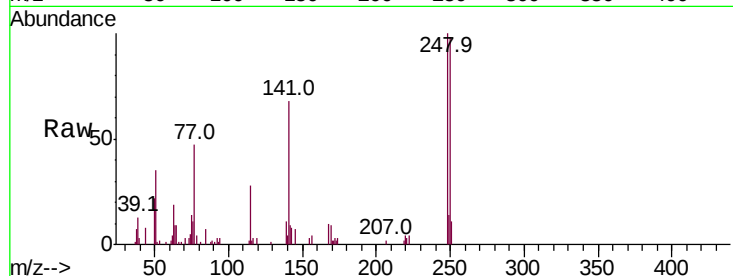




#67
4-Bromophenyl-phenylether
Concen: 6.614 ng
RT: 16.67 min Scan# 2311
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

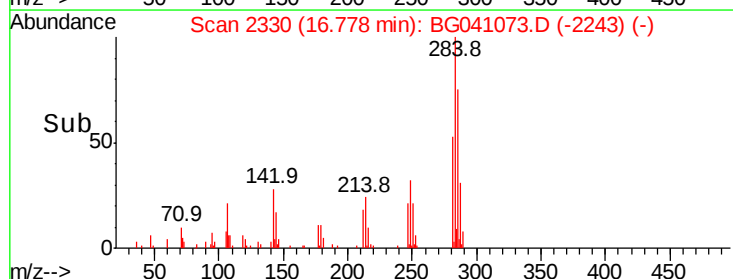
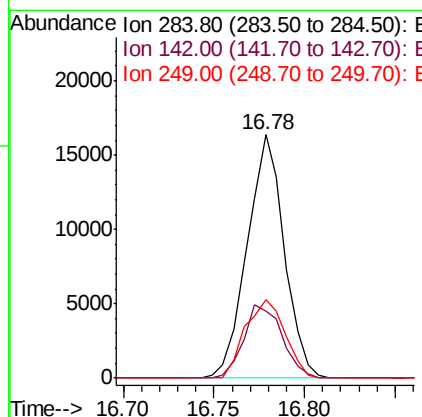
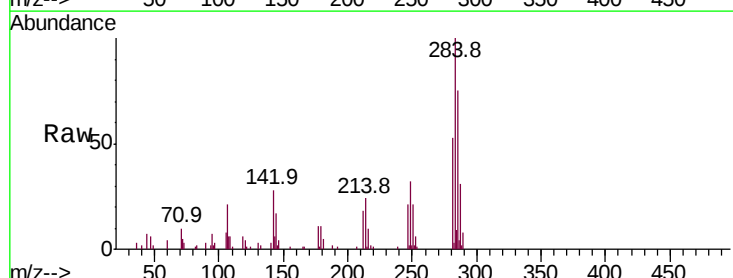
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

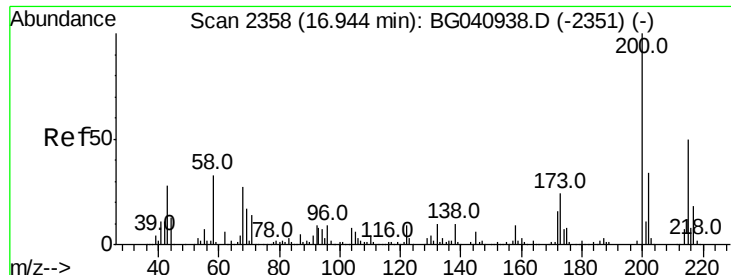
Tot Ion	Ratio	Lower	Upper
248	100		
250	97.9	75.0	112.4
141	68.2	52.4	78.6



#68
Hexachlorobenzene
Concen: 6.647 ng
RT: 16.78 min Scan# 2330
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.6	23.9	35.9
249	32.2	26.8	40.2

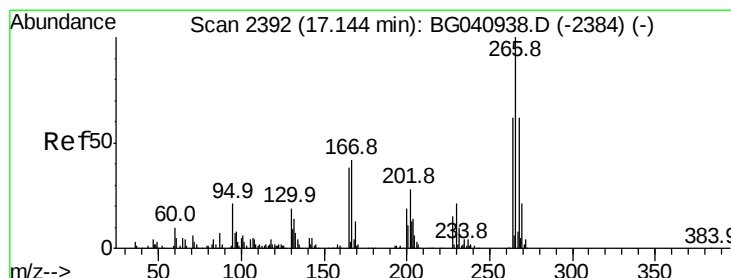
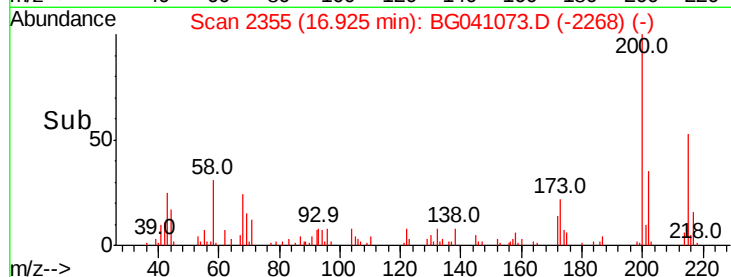
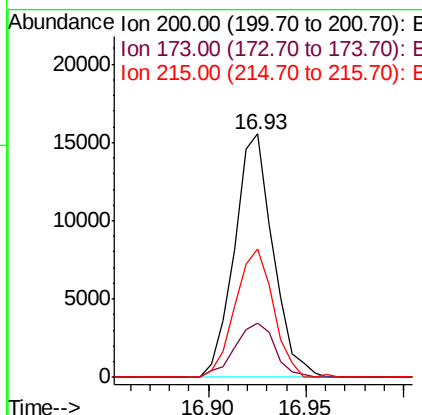
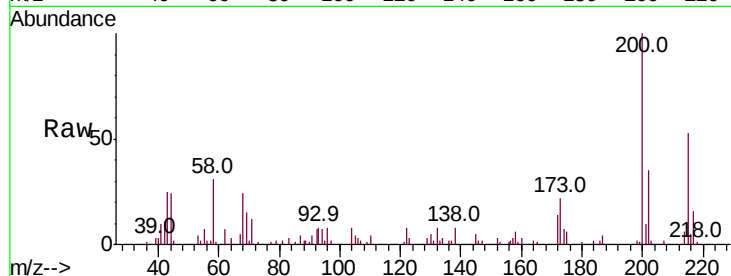




#69
Atrazine
Concen: 8.080 ng
RT: 16.93 min Scan# 2355
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

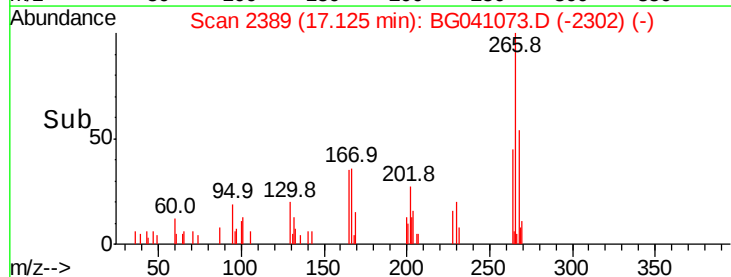
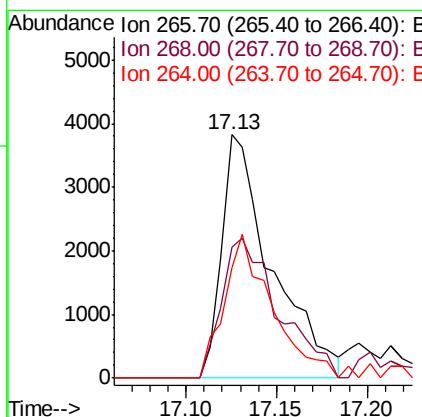
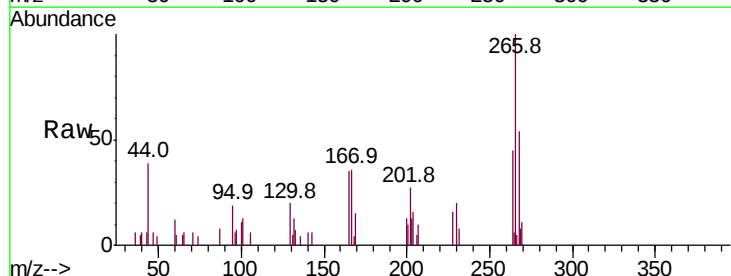
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

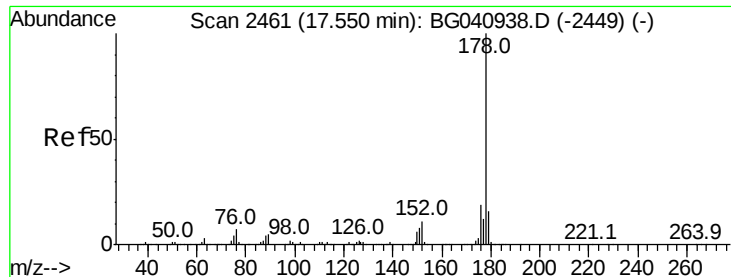
Tot Ion	Ratio	Lower	Upper
200	100		
173	22.2	3.6	43.6
215	52.6	29.6	69.6



#70
Pentachlorophenol
Concen: 7.992 ng
RT: 17.13 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
266	100		
268	53.6	53.1	79.7
264	45.3	49.9	74.9

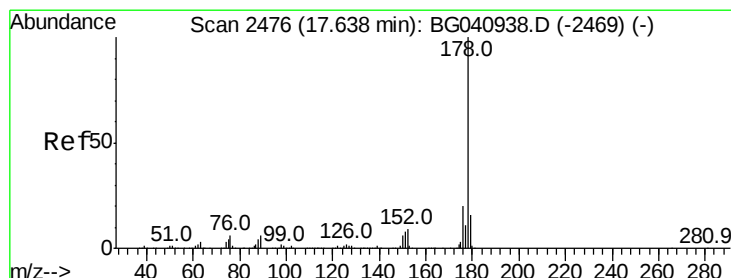
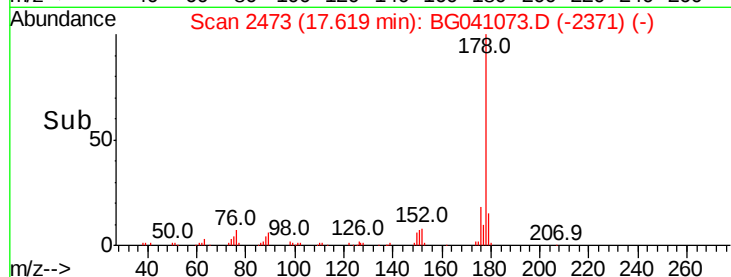
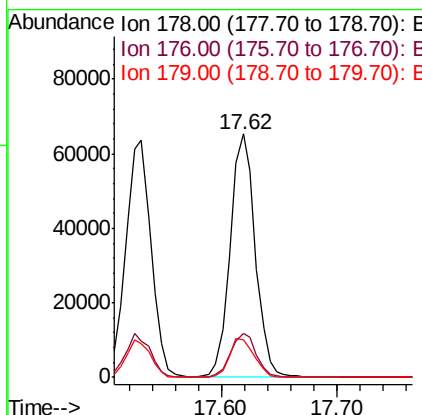
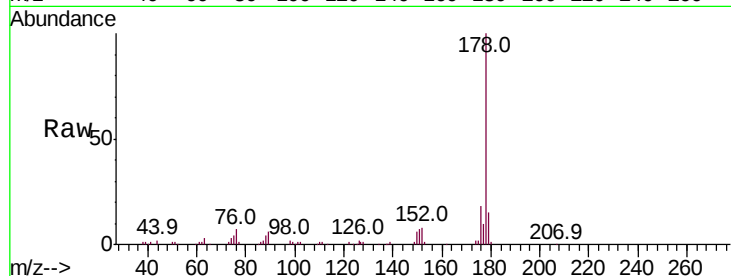




#71
Phenanthrene
Concen: 7.788 ng
RT: 17.62 min Scan# 2473
Delta R.T. 0.07 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

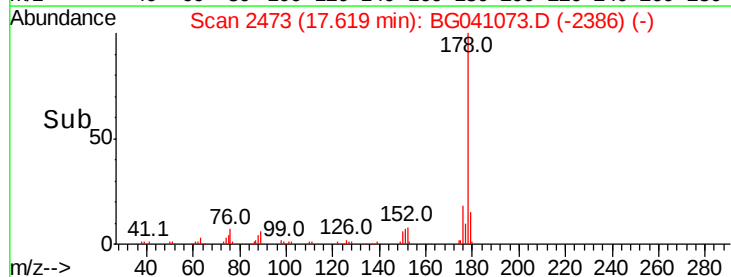
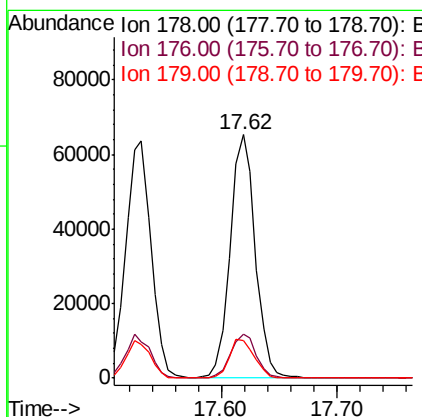
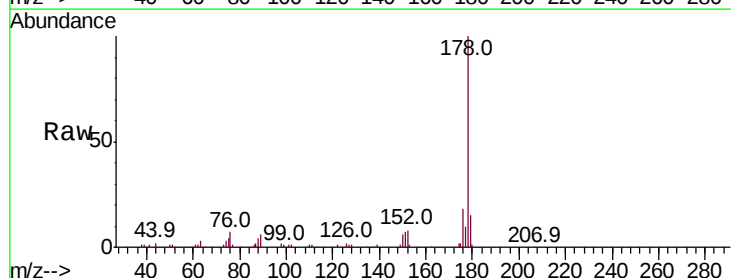
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

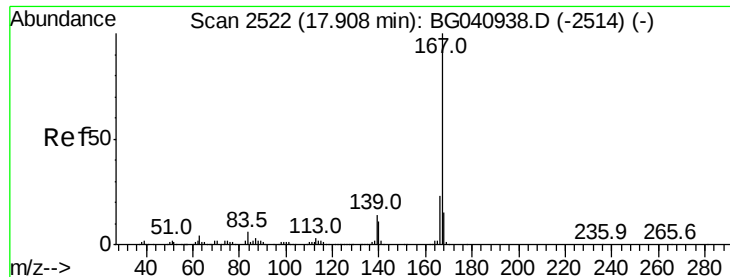
Tot Ion:178 Resp: 98281
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 15.4 12.7 19.1



#72
Anthracene
Concen: 7.896 ng
RT: 17.62 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:178 Resp: 98281
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 15.4 13.0 19.4

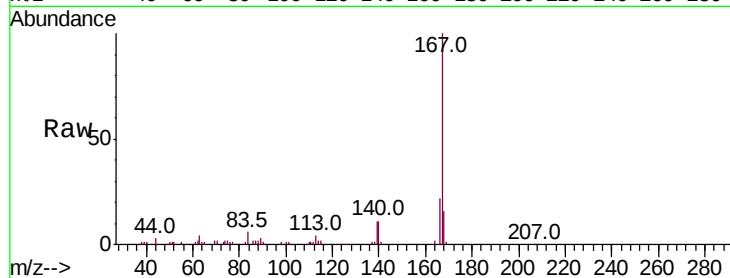




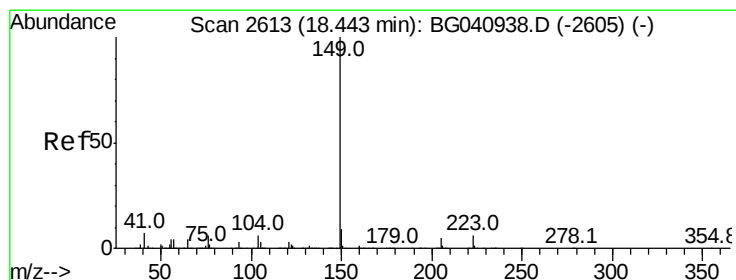
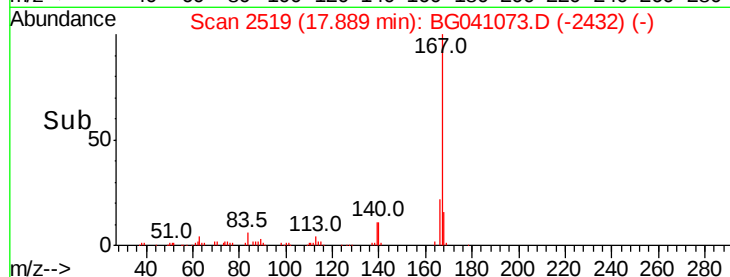
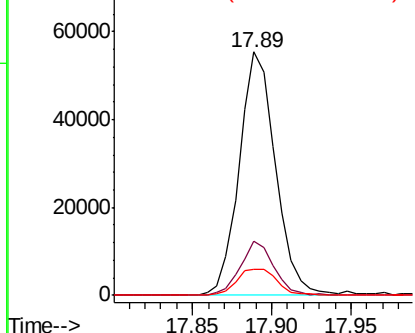
#73
 Carbazole
 Concen: 8.242 ng
 RT: 17.89 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion:167 Resp: 88026
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.2 27.4
 139 10.7 10.8 16.2#

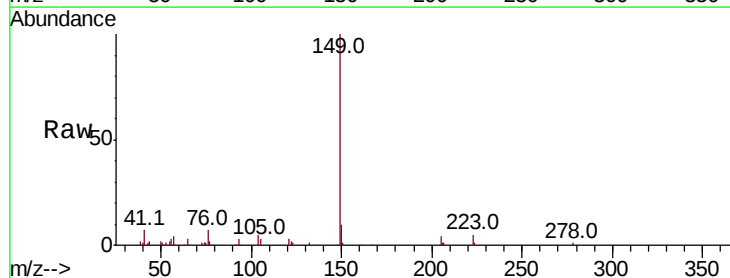


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

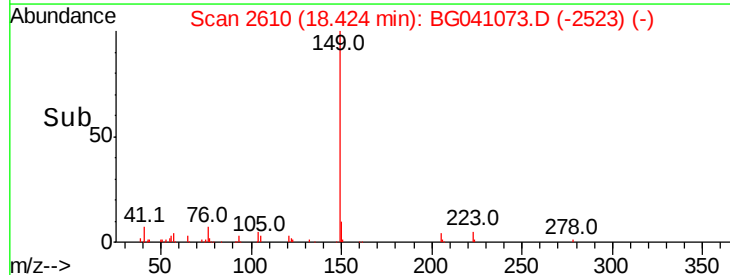
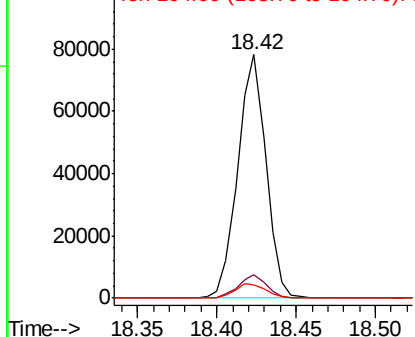


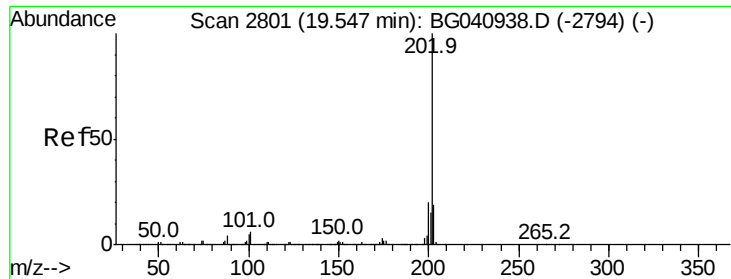
#74
 Di-n-butylphthalate
 Concen: 7.256 ng
 RT: 18.42 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt Ion:149 Resp: 96318
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.4 11.2
 104 5.4 5.0 7.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.518 ng

RT: 19.53 min Scan# 2798

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

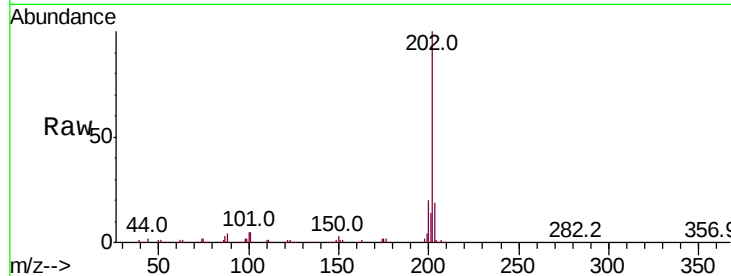
Tot Ion:202 Resp: 132784

Ion Ratio Lower Upper

202 100

101 5.2 0.0 26.2

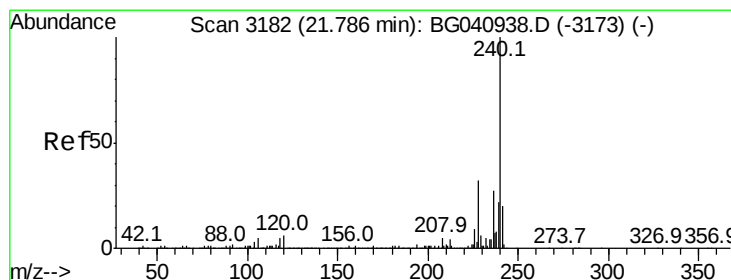
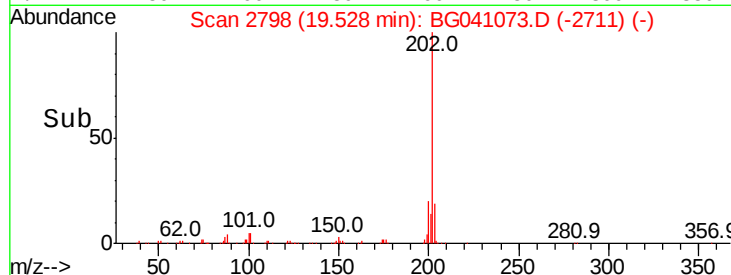
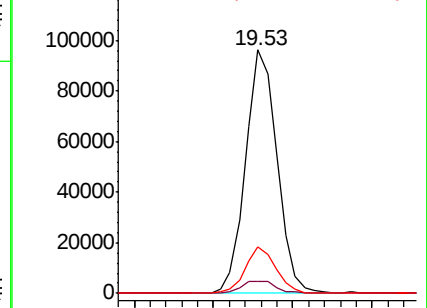
203 19.2 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3179

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

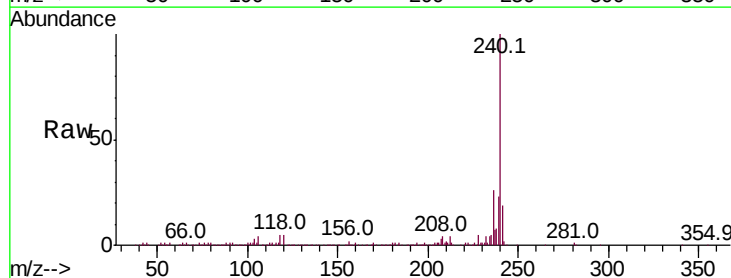
Tgt Ion:240 Resp: 281558

Ion Ratio Lower Upper

240 100

120 5.4 4.5 6.7

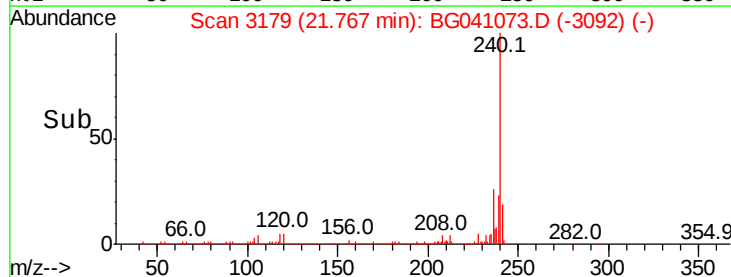
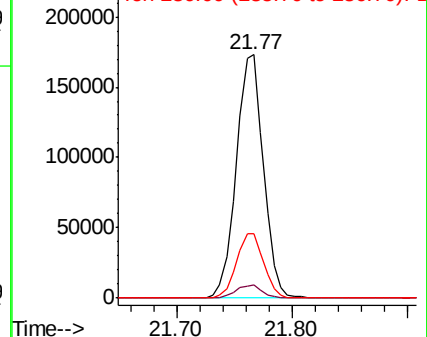
236 26.4 21.3 31.9

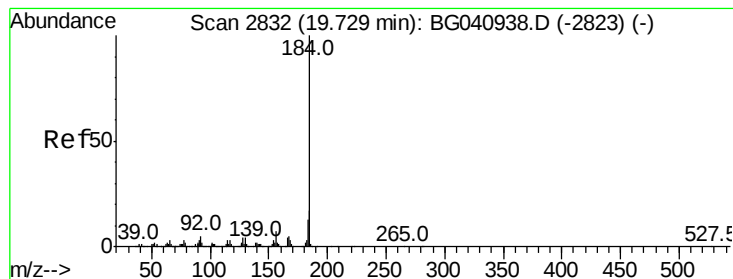


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 8.920 ng

RT: 19.72 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

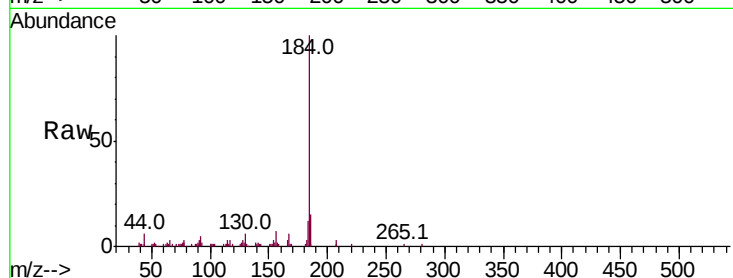
BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:184 Resp: 59911

Ion	Ratio	Lower	Upper
184	100		
185	14.6	13.3	19.9
183	11.6	10.7	16.1

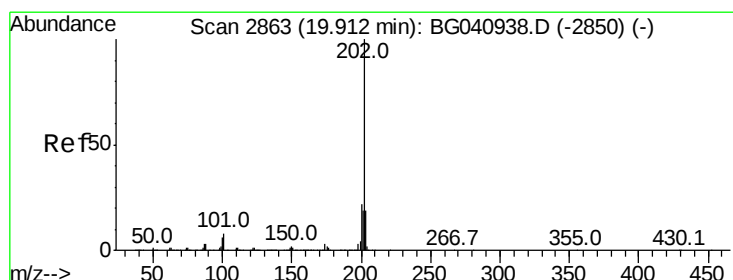
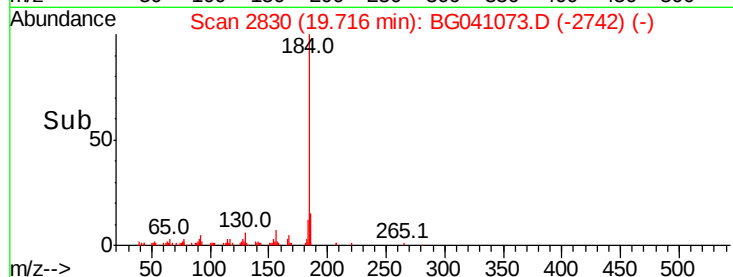
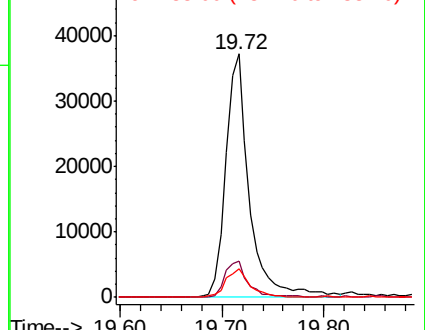


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 7.255 ng

RT: 19.53 min Scan# 2798

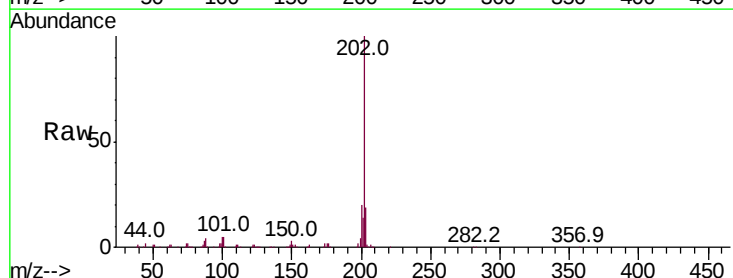
Delta R.T. -0.38 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:202 Resp: 132784

Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.5	26.3
203	19.2	15.6	23.4

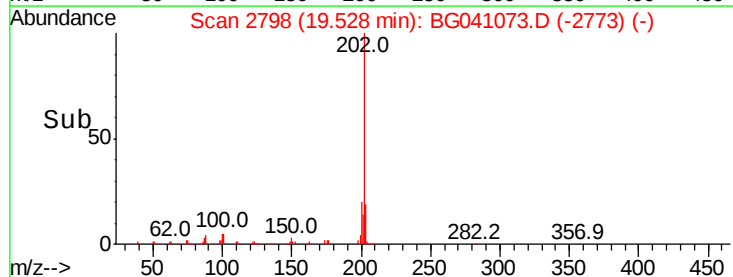
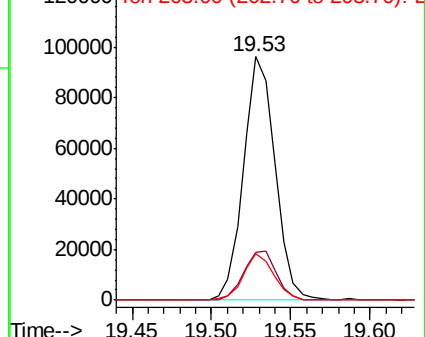


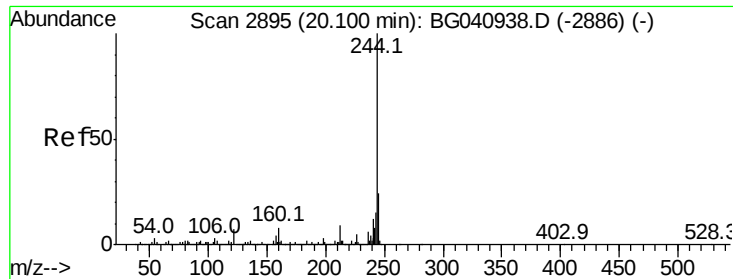
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 76.577 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

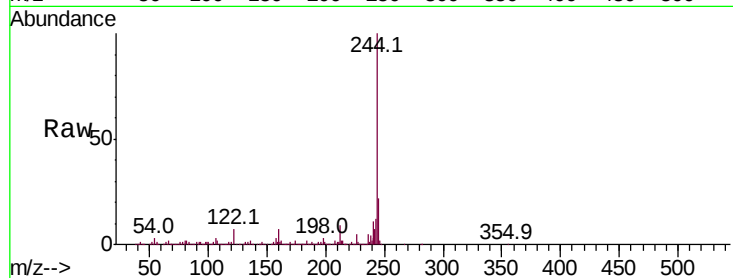
Tot Ion:244 Resp: 1015904

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.4

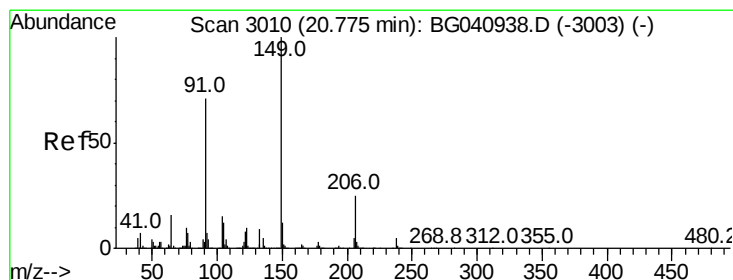
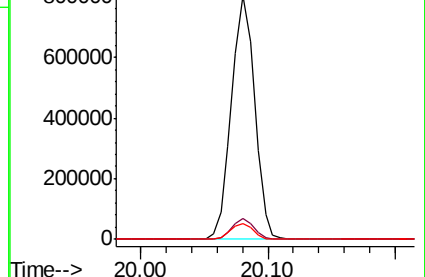
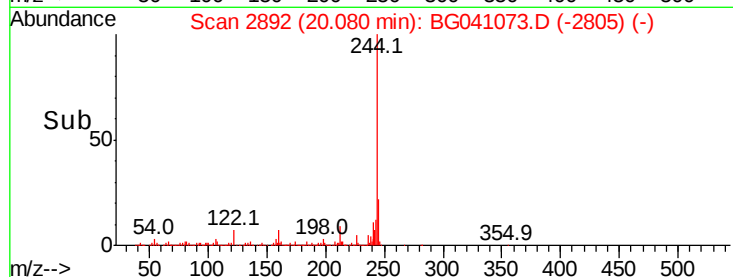
122 6.5 5.4 8.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.936 ng

RT: 20.76 min Scan# 3007

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

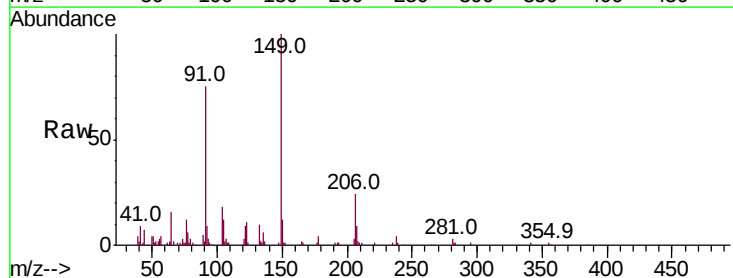
Tgt Ion:149 Resp: 49403

Ion Ratio Lower Upper

149 100

91 74.6 56.5 84.7

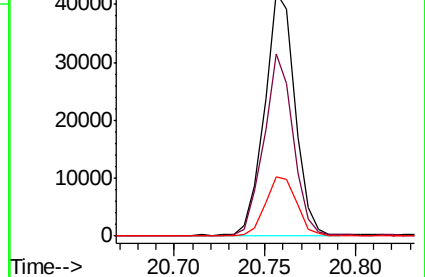
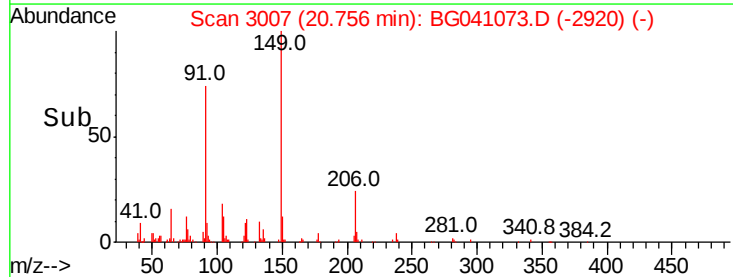
206 24.2 20.3 30.5

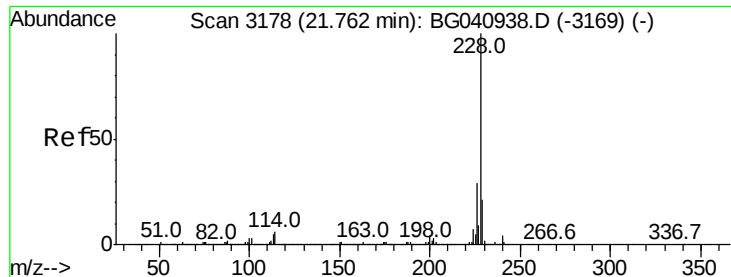


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.089 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

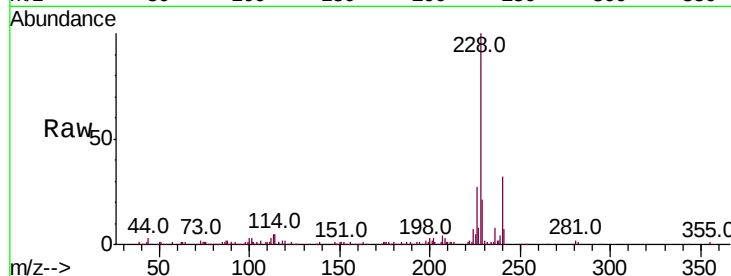
Tot Ion:228 Resp: 151600

Ion	Ratio	Lower	Upper
228	100		
226	26.6	23.5	35.3
229	21.2	16.7	25.1

228 100

226 26.6 23.5 35.3

229 21.2 16.7 25.1

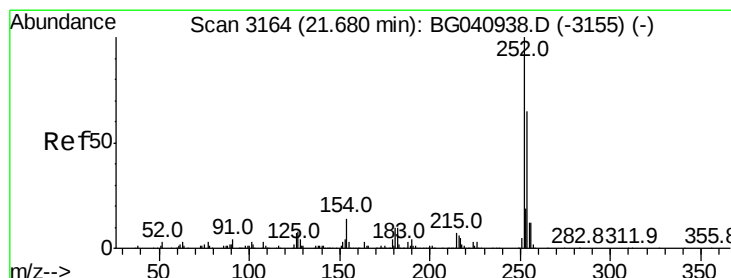
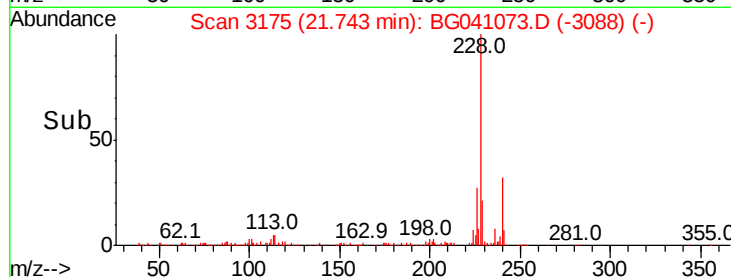
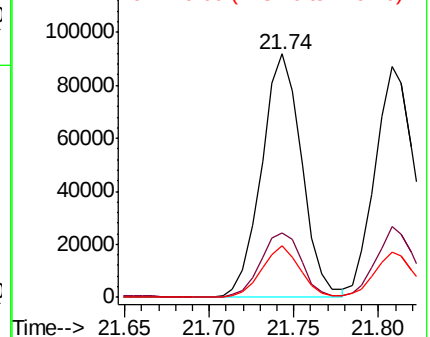


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 8.083 ng

RT: 21.66 min Scan# 3160

Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

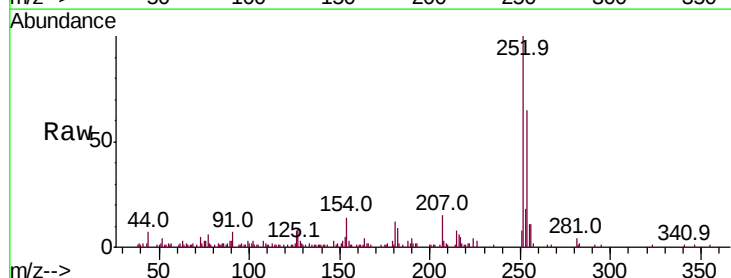
Tgt Ion:252 Resp: 53282

Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.1	78.1
126	8.1	5.5	8.3

252 100

254 65.1 52.1 78.1

126 8.1 5.5 8.3

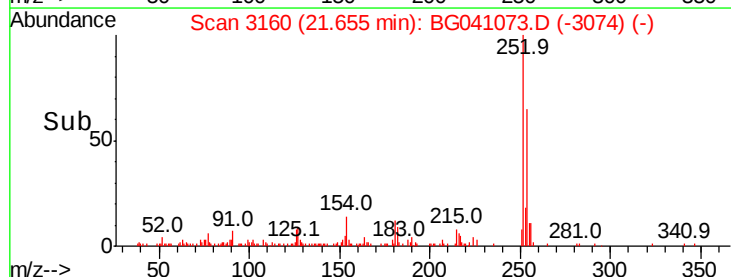
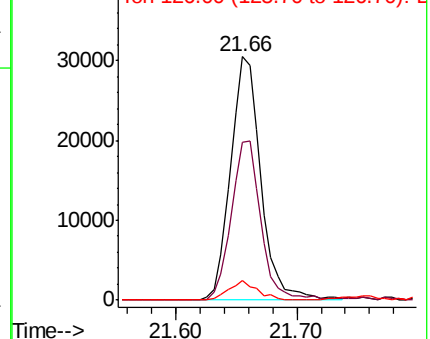


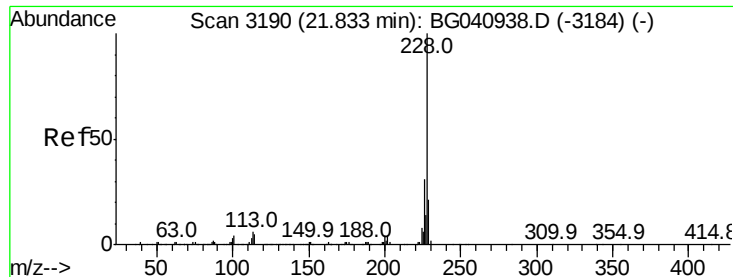
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 7.918 ng

RT: 21.81 min Scan# 3186

Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

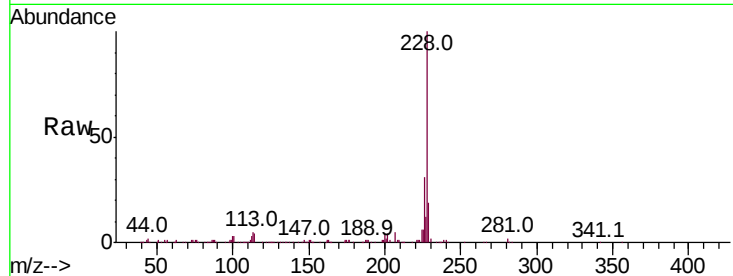
BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:228 Resp: 142012

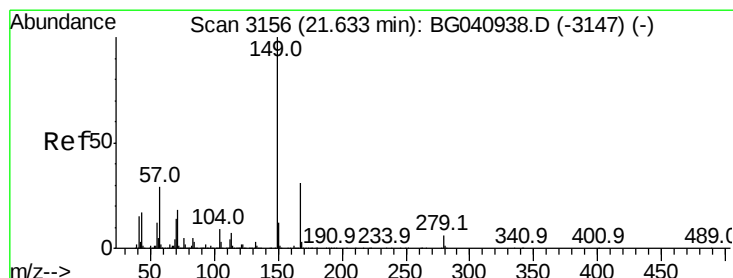
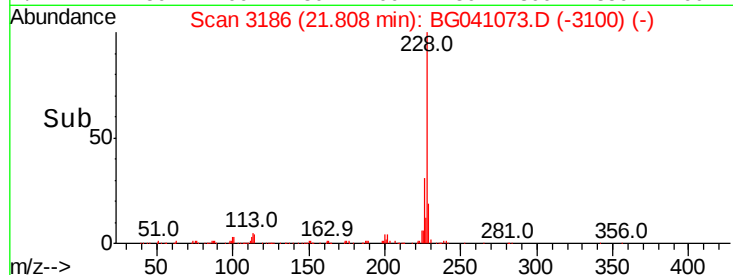
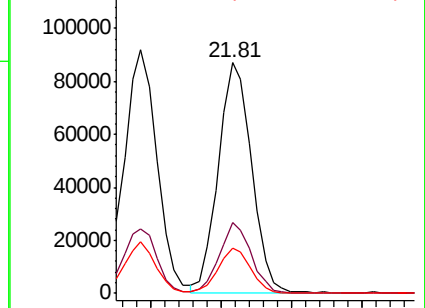
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	19.5	16.6	24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.069 ng

RT: 21.61 min Scan# 3153

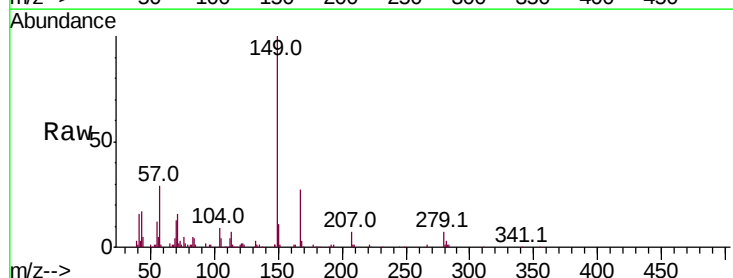
Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:149 Resp: 70884

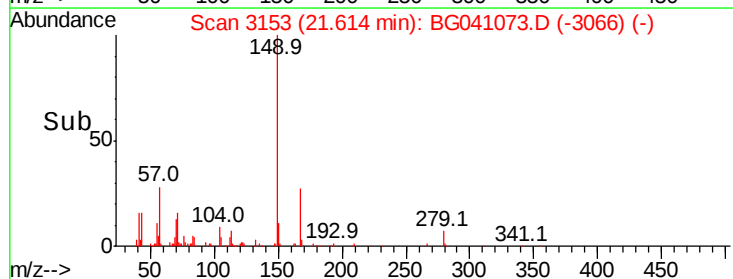
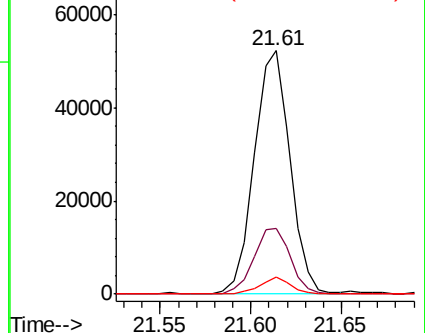
Ion	Ratio	Lower	Upper
149	100		
167	26.7	24.6	37.0
279	7.1	5.0	7.6

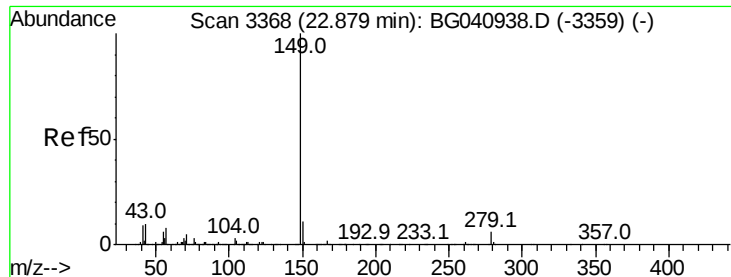


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 7.668 ng

RT: 22.85 min Scan# 3364

Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

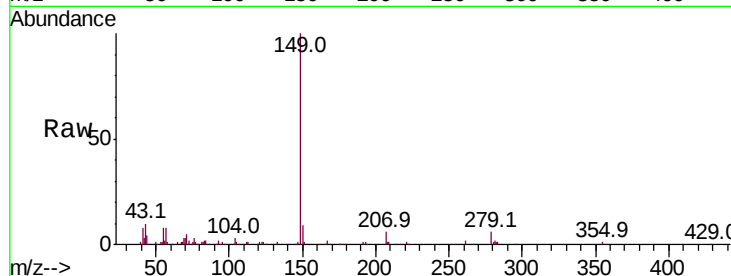
Tot Ion:149 Resp: 128049

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

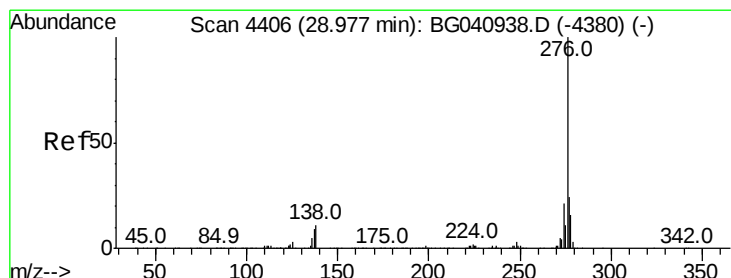
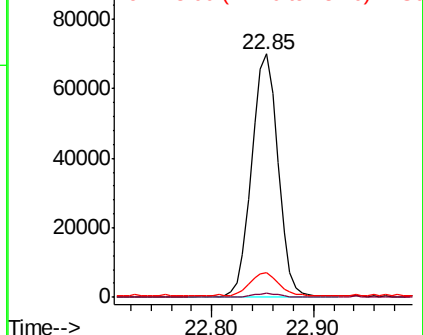
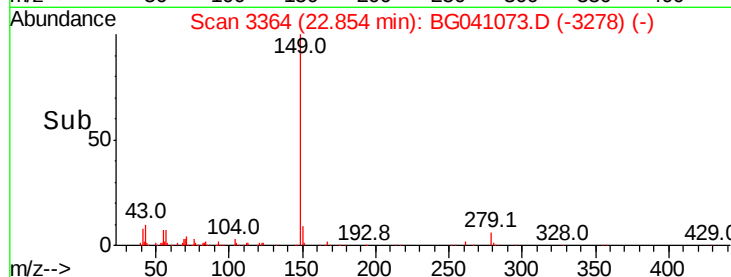
43 11.0 8.1 12.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.312 ng

RT: 28.90 min Scan# 4393

Delta R.T. -0.08 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

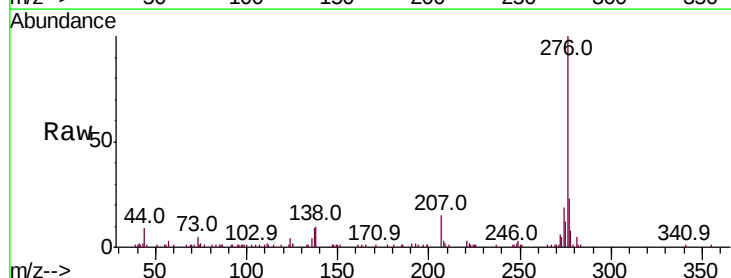
Tgt Ion:276 Resp: 160644

Ion Ratio Lower Upper

276 100

138 6.6 5.7 8.5

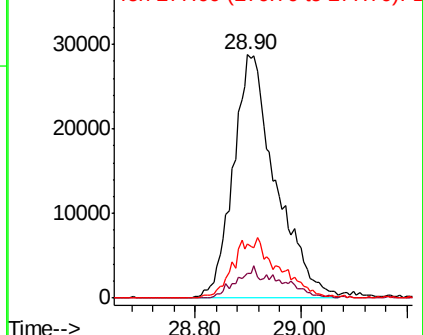
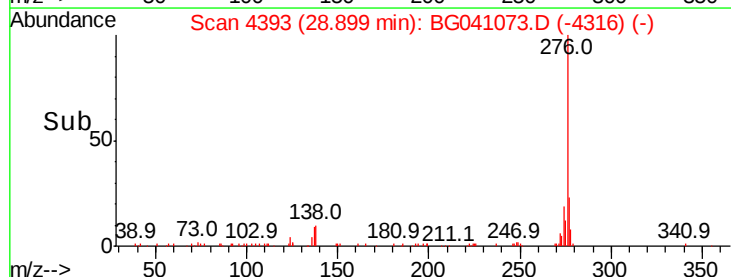
277 0.0 20.8 31.2#

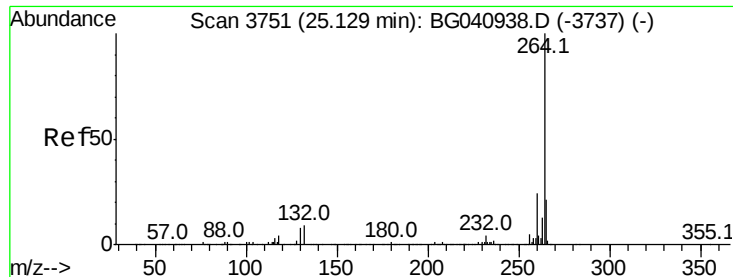


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3745

Delta R.T. -0.04 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

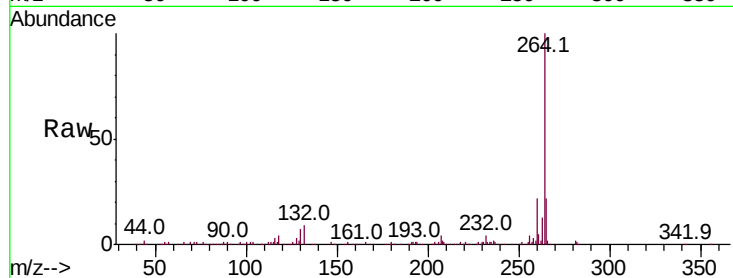
Tot Ion:264 Resp: 306242

Ion Ratio Lower Upper

264 100

260 22.4 19.0 28.4

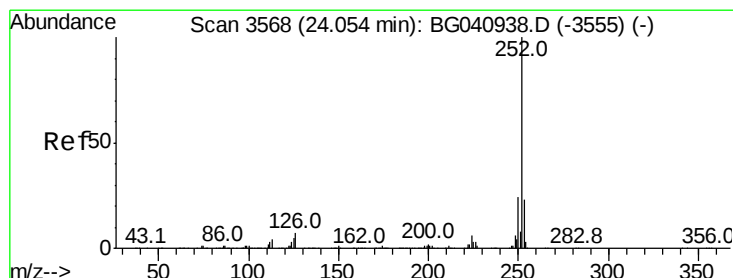
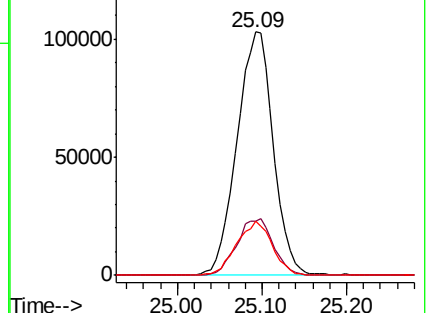
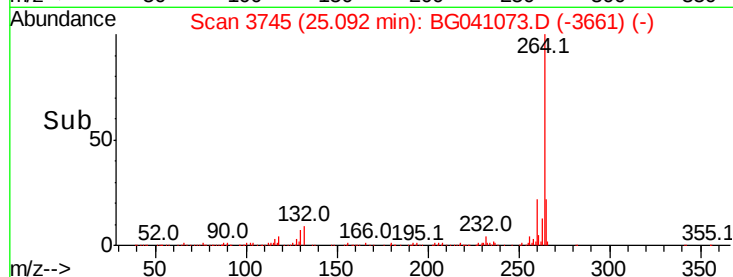
265 22.3 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.578 ng

RT: 24.02 min Scan# 3563

Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

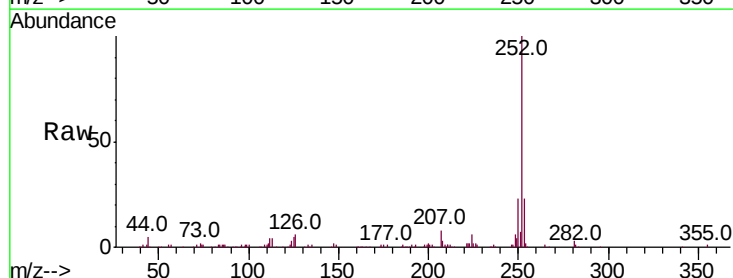
Tgt Ion:252 Resp: 140755

Ion Ratio Lower Upper

252 100

253 23.5 18.4 27.6

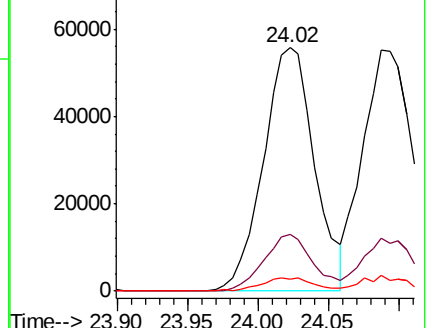
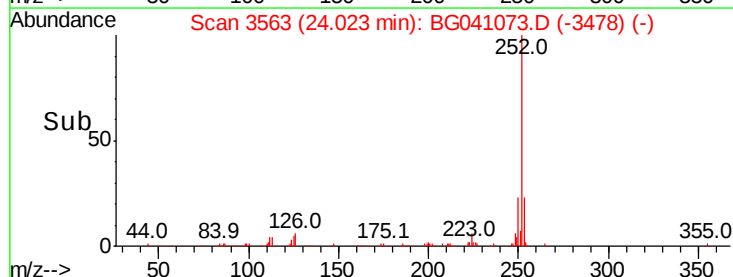
125 5.0 4.3 6.5

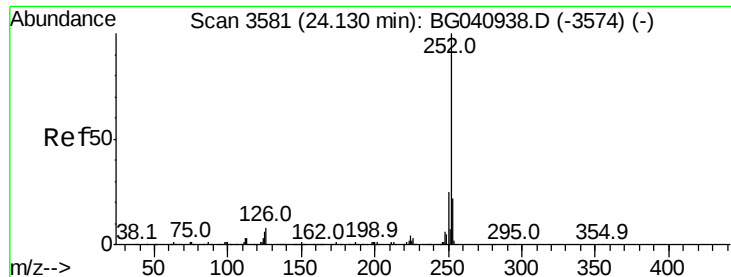


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.446 ng

RT: 24.09 min Scan# 3574

Delta R.T. -0.04 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

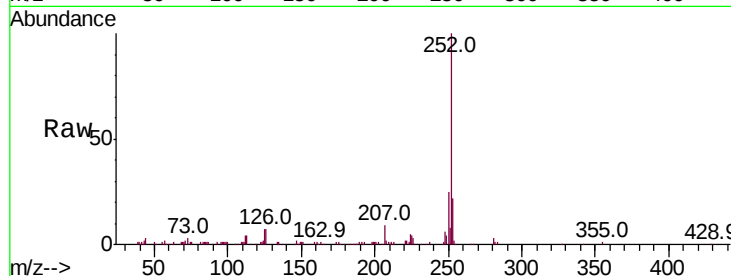
Tot Ion:252 Resp: 136872

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

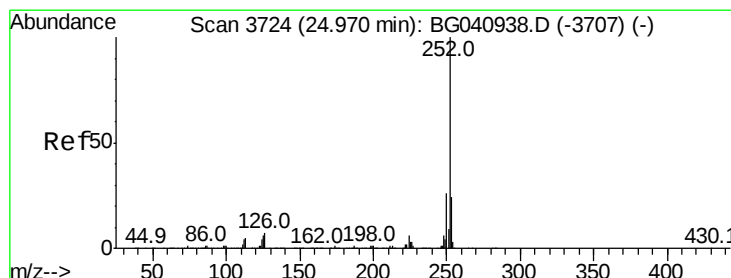
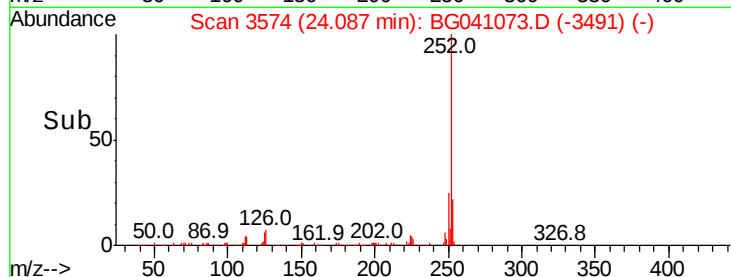
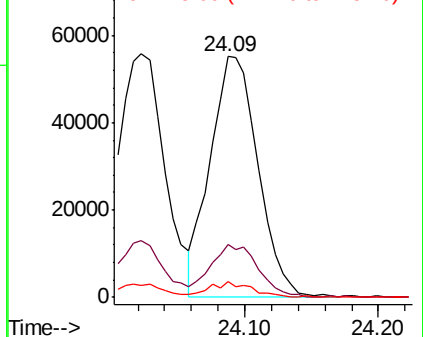
125 6.8 4.7 7.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 7.573 ng

RT: 24.93 min Scan# 3718

Delta R.T. -0.04 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

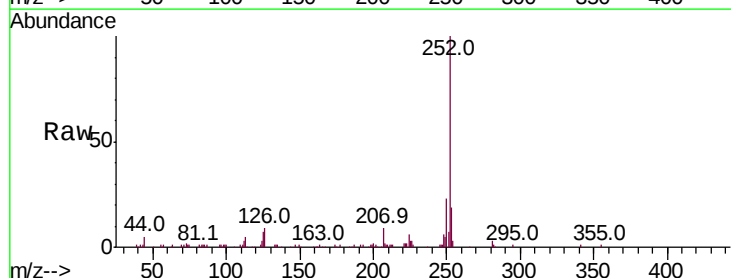
Tgt Ion:252 Resp: 134205

Ion Ratio Lower Upper

252 100

253 19.4 19.5 29.3#

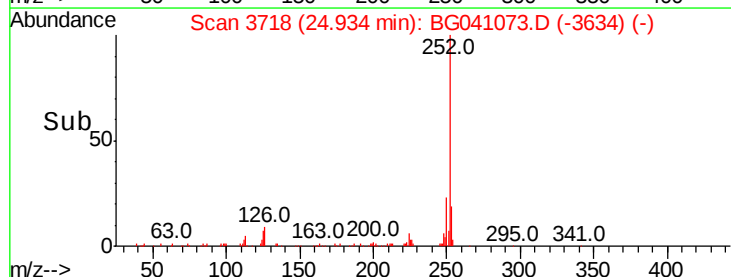
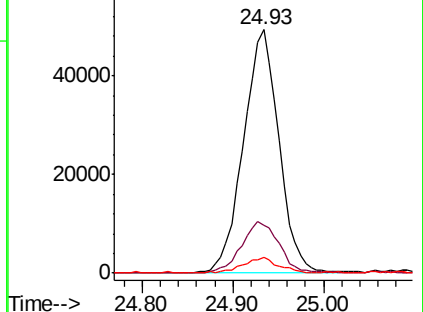
125 6.6 5.1 7.7

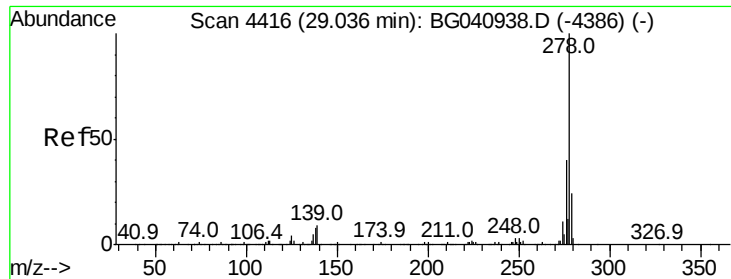


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

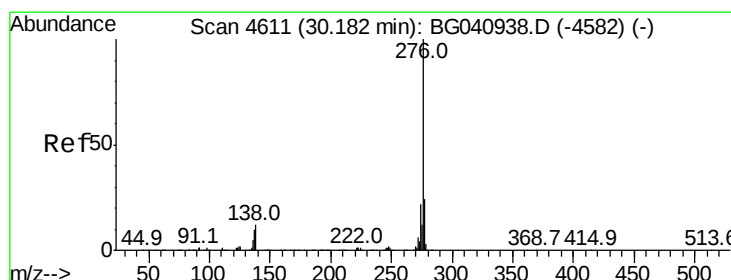
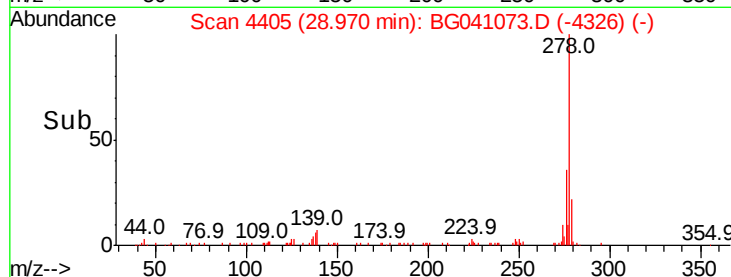
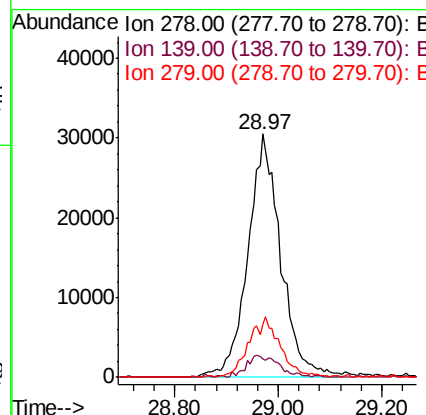
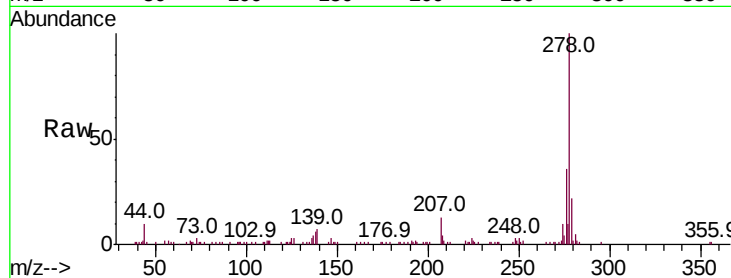




#91
Dibenzo(a,h)anthracene
Concen: 7.595 ng
RT: 28.97 min Scan# 4405
Delta R.T. -0.07 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	7.4	7.1	10.7
279	21.6	19.4	29.2



#92
Benzo(g,h,i)perylene
Concen: 7.796 ng
RT: 30.11 min Scan# 4599
Delta R.T. -0.07 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	9.8	9.7	14.5

