

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
 Data File : BG041153.D
 Acq On : 9 Jun 2019 4:48
 Operator : HP/JU
 Sample : SOILBS02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOILBS02

Quant Time: Jun 10 05:53:49 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	35241	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	145293	20.00	ng	-0.03
39) Acenaphthene-d10	14.74	164	111113	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	288124	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	290472	20.00	ng	-0.03
87) Perylene-d12	25.08	264	298842	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	274489	140.45	ng	-0.02
7) Phenol-d6	7.25	99	403464	133.67	ng	-0.01
23) Nitrobenzene-d5	9.28	82	275232	84.10	ng	-0.03
42) 2,4,6-Tribromophenol	16.23	330	225154	136.49	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	670364	86.88	ng	-0.03
79) Terphenyl-d14	20.07	244	1218747	89.05	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.49	88	36132	40.742	ng	95
3) Pyridine	3.90	79	96596	36.810	ng	99
4) n-Nitrosodimethylamine	3.83	42	56050	46.022	ng	91
6) Aniline	7.43	93	108655	26.970	ng	100
8) 2-Chlorophenol	7.67	128	112408	48.245	ng	92
9) Benzaldehyde	7.25	77	33234	18.458	ng	86
10) Phenol	7.28	94	152737	47.196	ng	96
11) bis(2-Chloroethyl)ether	7.52	93	98784	42.077	ng	98
12) 1,3-Dichlorobenzene	7.99	146	120136	43.171	ng	95
13) 1,4-Dichlorobenzene	8.14	146	119228	42.327	ng	97
14) 1,2-Dichlorobenzene	8.46	146	115129	42.095	ng	99
15) Benzyl Alcohol	8.35	79	124071	44.438	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.62	45	152977	39.876	ng	98
17) 2-Methylphenol	8.54	107	107749	45.984	ng	96
18) Hexachloroethane	9.19	117	47108	43.392	ng	97
19) n-Nitroso-di-n-propylamine	8.91	70	94106	40.515	ng	99
20) 3+4-Methylphenols	8.87	107	143263	44.139	ng	96
22) Acetophenone	8.93	105	184324	45.225	ng	# 97
24) Nitrobenzene	9.33	77	152258	45.651	ng	99
25) Isophorone	9.84	82	277654	44.578	ng	99
26) 2-Nitrophenol	10.03	139	69524	50.564	ng	92
27) 2,4-Dimethylphenol	10.08	122	118891	52.355	ng	94
28) bis(2-Chloroethoxy)methane	10.32	93	148046	44.040	ng	97
29) 2,4-Dichlorophenol	10.57	162	137700	47.751	ng	96
30) 1,2,4-Trichlorobenzene	10.79	180	148116	45.151	ng	94
31) Naphthalene	10.98	128	367145	47.064	ng	99
32) Benzoic acid	10.22	122	72172	42.080	ng	97
33) 4-Chloroaniline	11.09	127	82481	22.788	ng	95
34) Hexachlorobutadiene	11.24	225	106475	42.419	ng	99
35) Caprolactam	11.88	113	42817m	44.963	ng	
36) 4-Chloro-3-methylphenol	12.20	107	157759	47.902	ng	98
37) 2-Methylnaphthalene	12.58	142	278727	46.392	ng	97
38) 1-Methylnaphthalene	12.79	142	269970	47.684	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	208230	46.496	ng	98

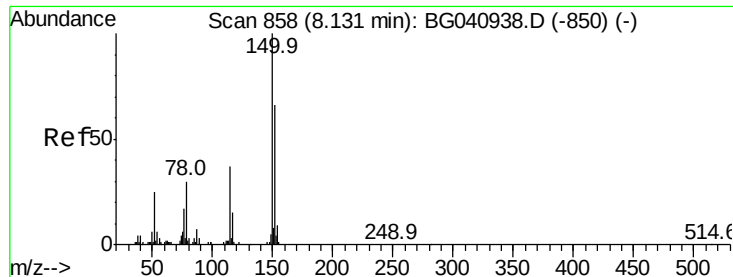
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	229162	93.628	ng	97
43) 2,4,6-Trichlorophenol	13.17	196	134744	46.509	ng	94
44) 2,4,5-Trichlorophenol	13.25	196	143541	46.979	ng	96
46) 1,1'-Biphenyl	13.57	154	385276	46.843	ng	98
47) 2-Chloronaphthalene	13.62	162	321508	45.534	ng	98
48) 2-Nitroaniline	13.83	65	115024	45.409	ng	96
49) Acenaphthylene	14.46	152	503577	47.386	ng	100
50) Dimethylphthalate	14.19	163	418140	44.456	ng	99
51) 2,6-Dinitrotoluene	14.32	165	94921	46.806	ng	96
52) Acenaphthene	14.80	154	293083	45.525	ng	98
53) 3-Nitroaniline	14.65	138	66413	32.750	ng	91
54) 2,4-Dinitrophenol	14.86	184	107131	94.183	ng	98
55) Dibenzofuran	15.13	168	518583	47.873	ng	98
56) 4-Nitrophenol	14.94	139	144266	103.718	ng	92
57) 2,4-Dinitrotoluene	15.10	165	136859	47.775	ng	# 94
58) Fluorene	15.78	166	400229	46.393	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.36	232	148659	49.508	ng	100
60) Diethylphthalate	15.54	149	429398	44.734	ng	100
61) 4-Chlorophenyl-phenylether	15.77	204	256159	45.683	ng	93
62) 4-Nitroaniline	15.81	138	95482	44.475	ng	88
63) Azobenzene	16.06	77	400570	45.914	ng	98
65) 4,6-Dinitro-2-methylphenol	15.86	198	80028	51.148	ng	98
66) n-Nitrosodiphenylamine	15.98	169	368317	45.474	ng	99
67) 4-Bromophenyl-phenylether	16.66	248	166935	42.932	ng	98
68) Hexachlorobenzene	16.77	284	174079	42.043	ng	100
69) Atrazine	16.92	200	157724	50.468	ng	98
70) Pentachlorophenol	17.12	266	204466	91.535	ng	98
71) Phenanthrene	17.52	178	686821	45.764	ng	98
72) Anthracene	17.61	178	705676	47.675	ng	99
73) Carbazole	17.89	167	615811	48.487	ng	99
74) Di-n-butylphthalate	18.42	149	727391	46.080	ng	99
75) Fluoranthene	19.53	202	879893	47.466	ng	99
77) Benzidine	19.71	184	275942	39.822	ng	97
78) Pyrene	19.89	202	887590	47.006	ng	98
80) Butylbenzylphthalate	20.76	149	334883	45.573	ng	96
81) Benzo(a)anthracene	21.74	228	869592	44.974	ng	98
82) 3,3'-Dichlorobenzidine	21.65	252	216123	31.779	ng	98
83) Chrysene	21.81	228	854765	46.195	ng	99
84) Bis(2-ethylhexyl)phthalate	21.60	149	462830	44.742	ng	98
85) Di-n-octyl phthalate	22.84	149	791760	45.958	ng	99
86) Indeno(1,2,3-cd)pyrene	28.91	276	993158	43.817	ng	99
88) Benzo(b)fluoranthene	24.02	252	861233	47.514	ng	98
89) Benzo(k)fluoranthene	24.09	252	852294	47.517	ng	99
90) Benzo(a)pyrene	24.93	252	855489	49.469	ng	97
91) Dibenzo(a,h)anthracene	28.98	278	834186	48.276	ng	98
92) Benzo(g,h,i)perylene	30.12	276	784653	46.740	ng	97

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

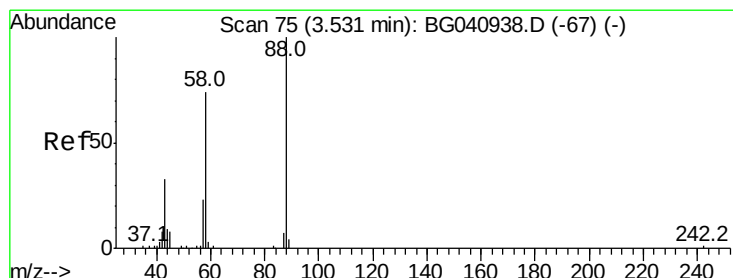
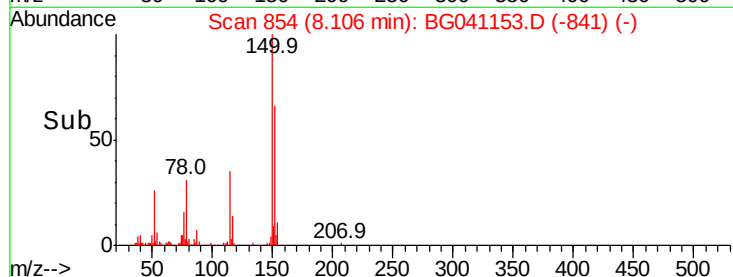
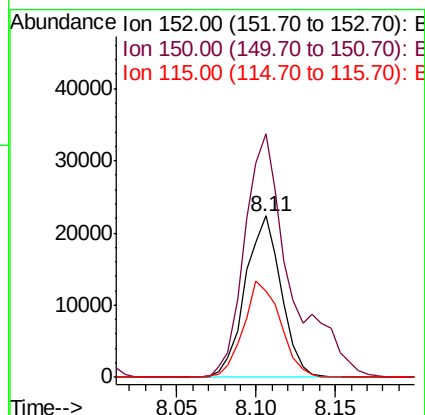
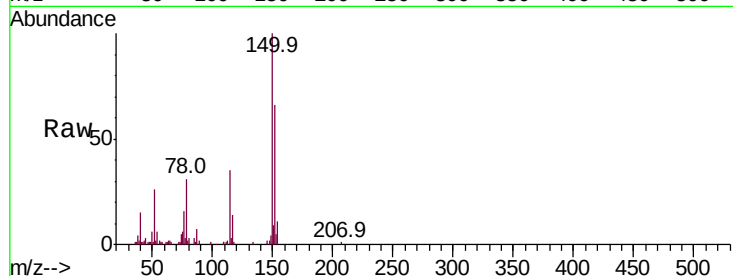


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Instrument :
BNA_G
ClientSampleId :
SOILBS02

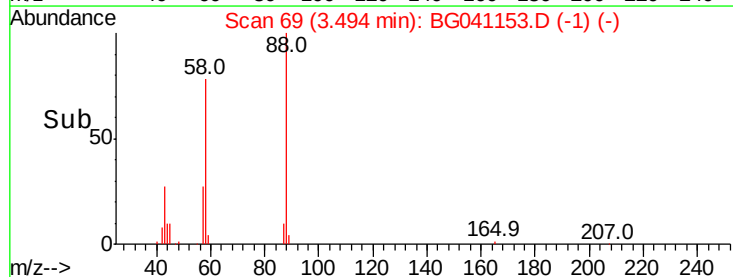
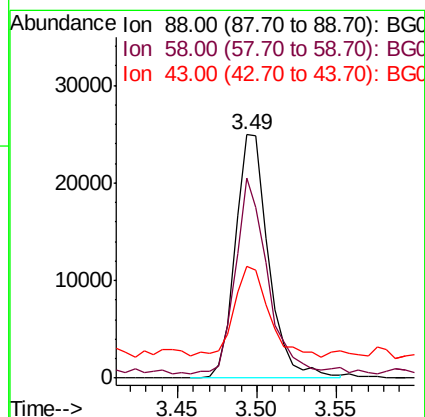
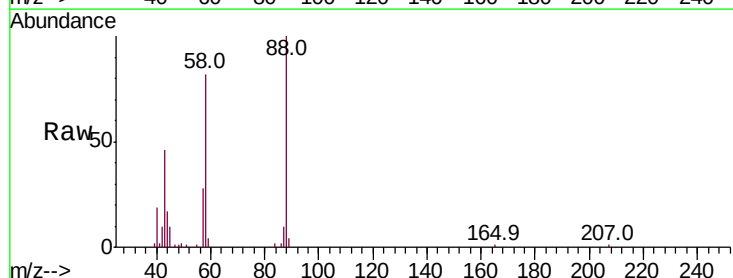
Tot Ion:152 Resp: 35241
Ion Ratio Lower Upper
152 100
150 151.1 120.6 180.8
115 53.2 45.1 67.7

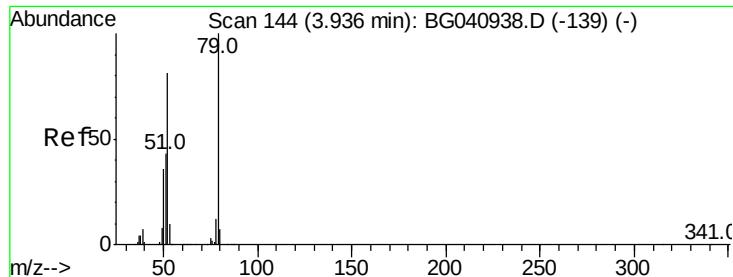


#2

1,4-Dioxane
Concen: 40.742 ng
RT: 3.49 min Scan# 69
Delta R.T. -0.04 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion: 88 Resp: 36132
Ion Ratio Lower Upper
88 100
58 76.8 59.0 88.6
43 38.5 27.2 40.8





#3

Pvridine

Concen: 36.810 ng

RT: 3.90 min Scan# 139

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

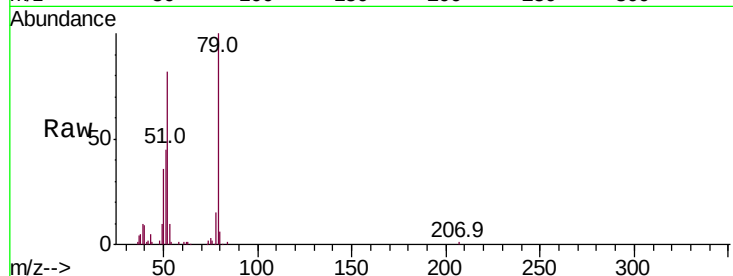
Tot Ion: 79 Resp: 96596

Ion Ratio Lower Upper

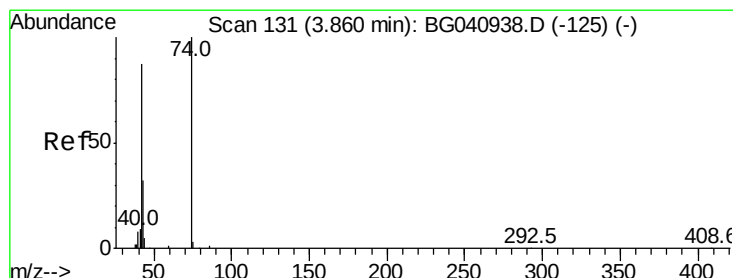
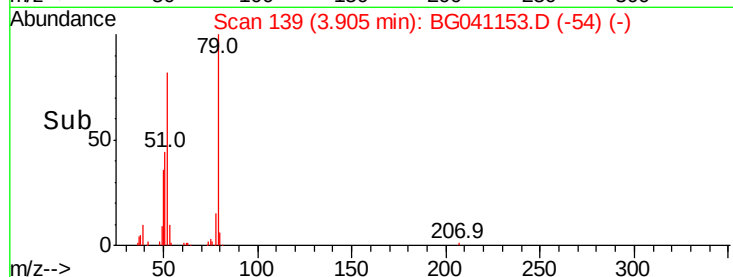
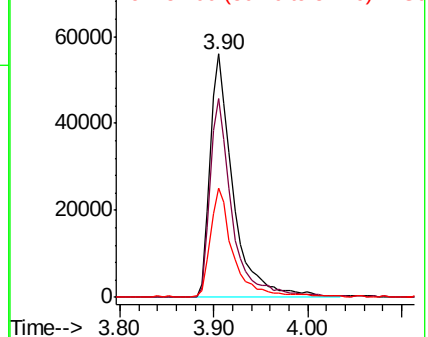
79 100

52 81.6 64.8 97.2

51 44.9 35.3 52.9



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 46.022 ng

RT: 3.83 min Scan# 126

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

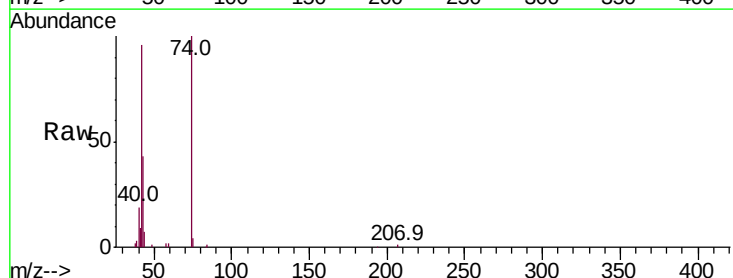
Tgt Ion: 42 Resp: 56050

Ion Ratio Lower Upper

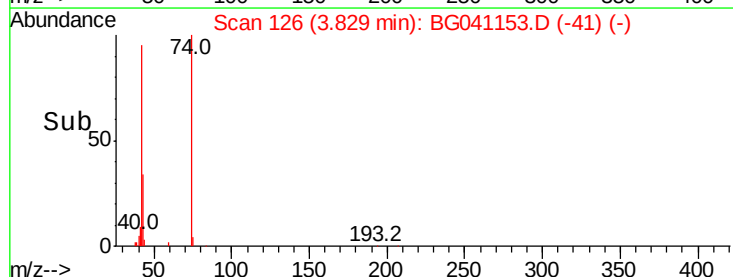
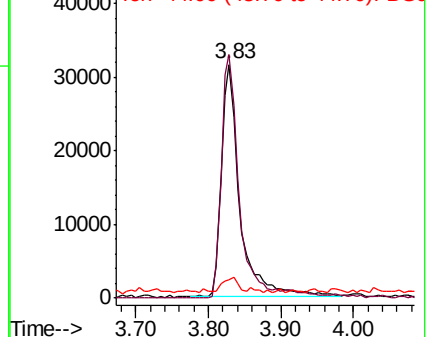
42 100

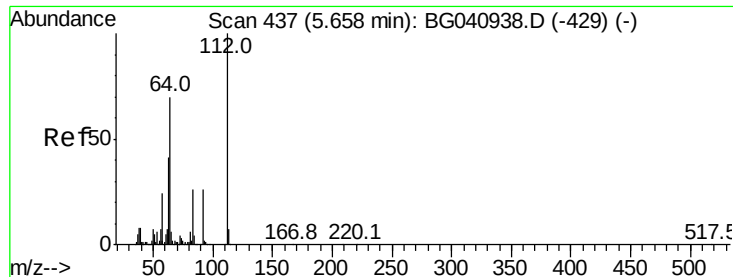
74 104.2 91.8 137.6

44 7.6 6.0 9.0



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 140.451 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

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ClientSampleId :

SOILBS02

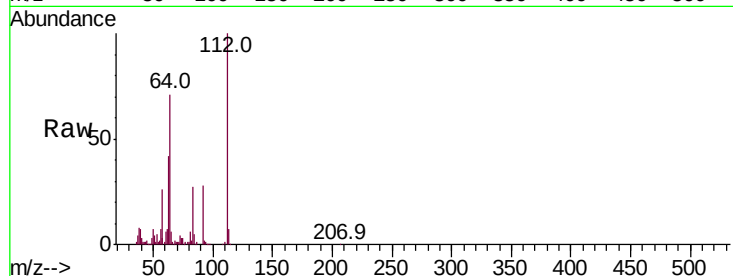
Tot Ion:112 Resp: 274489

Ion Ratio Lower Upper

112 100

64 70.9 56.2 84.2

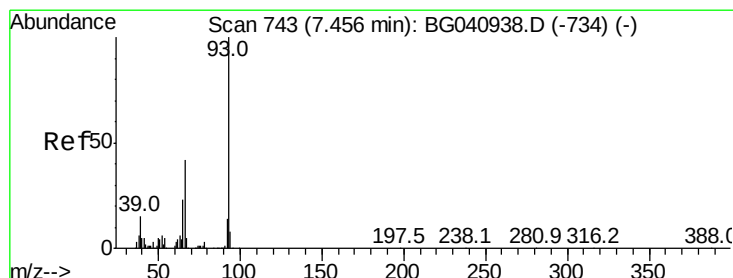
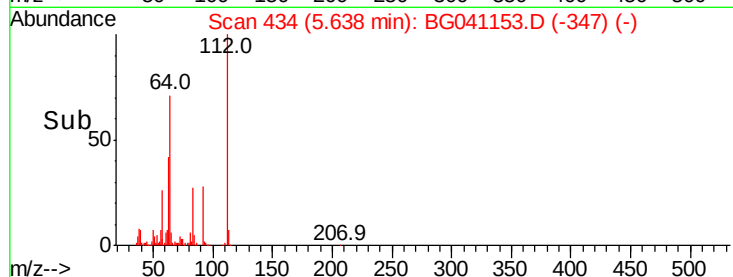
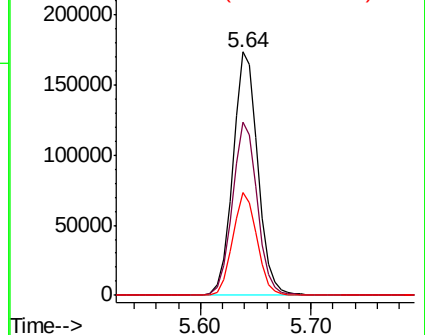
63 42.2 32.8 49.2



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: 26.970 ng

RT: 7.43 min Scan# 739

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

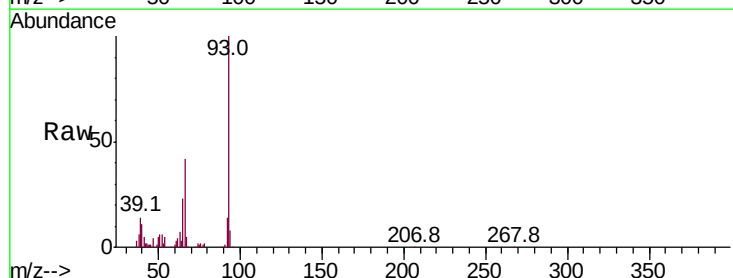
Tgt Ion: 93 Resp: 108655

Ion Ratio Lower Upper

93 100

66 42.0 33.8 50.8

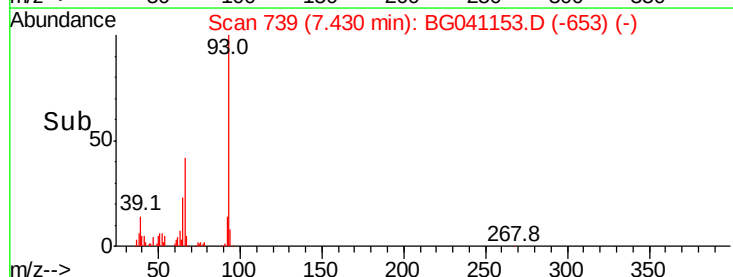
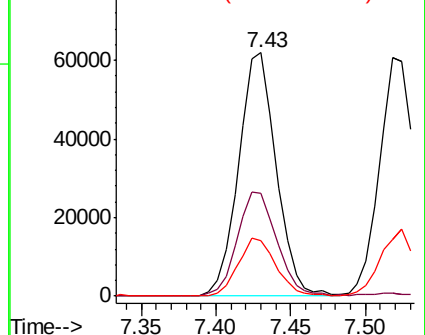
65 22.8 18.3 27.5

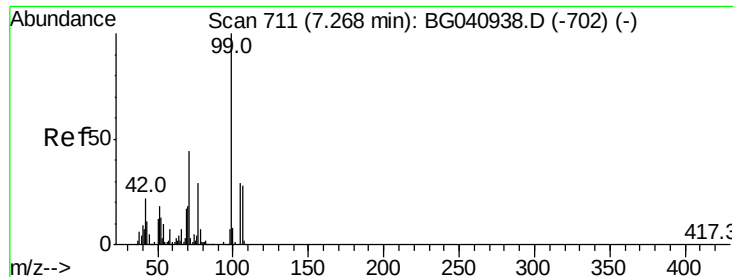


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 133.673 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

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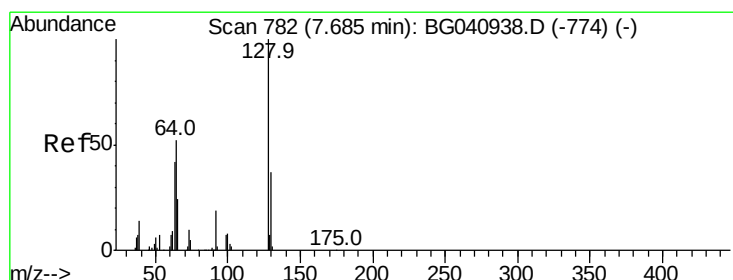
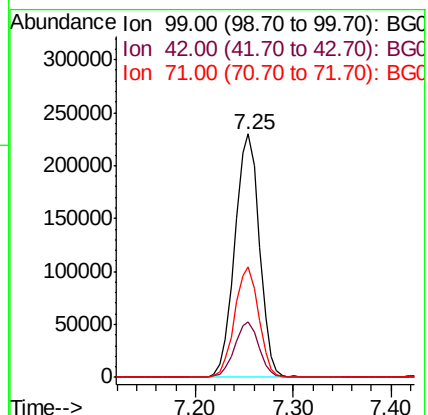
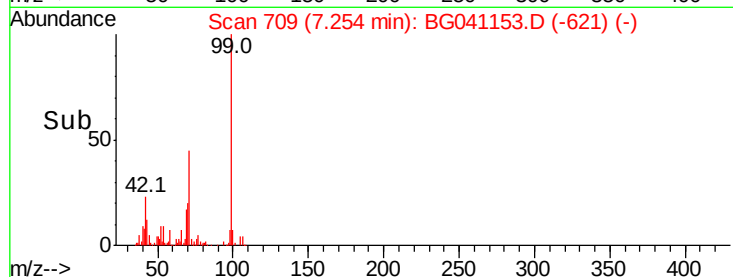
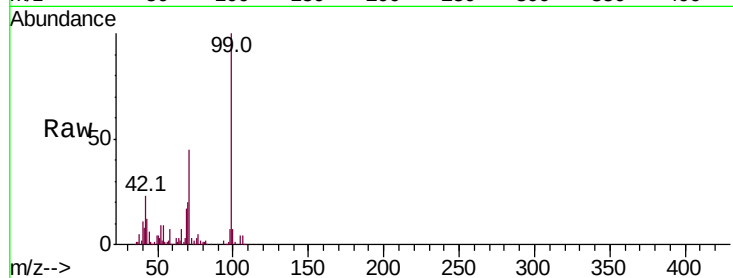
Tot Ion: 99 Resp: 403464

Ion Ratio Lower Upper

99 100

42 22.9 17.9 26.9

71 45.4 35.4 53.0



#8

2-Chlorophenol

Concen: 48.245 ng

RT: 7.67 min Scan# 779

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

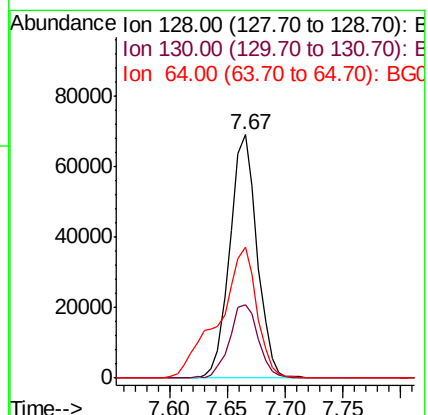
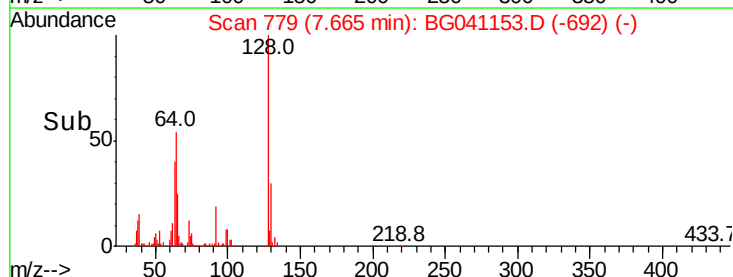
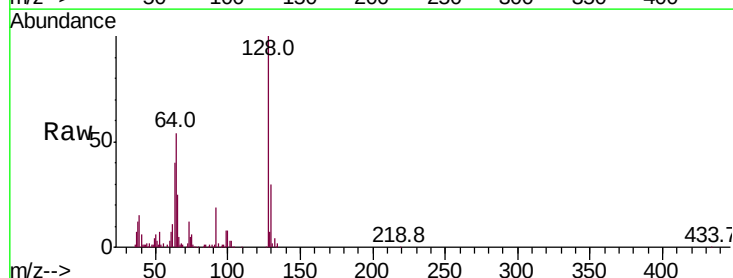
Tgt Ion: 128 Resp: 112408

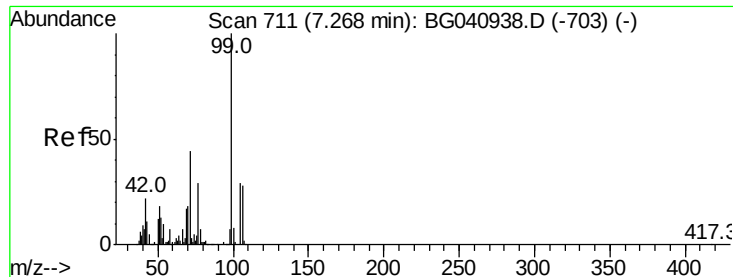
Ion Ratio Lower Upper

128 100

130 30.3 16.6 56.6

64 53.7 37.8 77.8





#9

Benzaldehyde

Concen: 18.458 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

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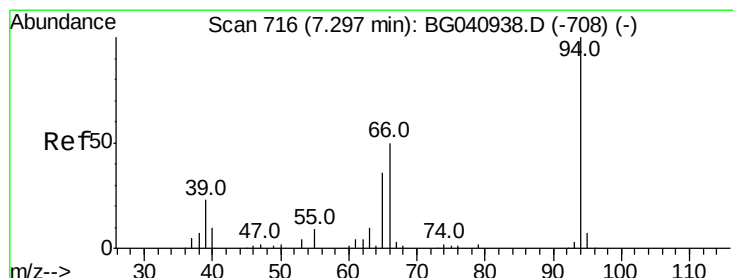
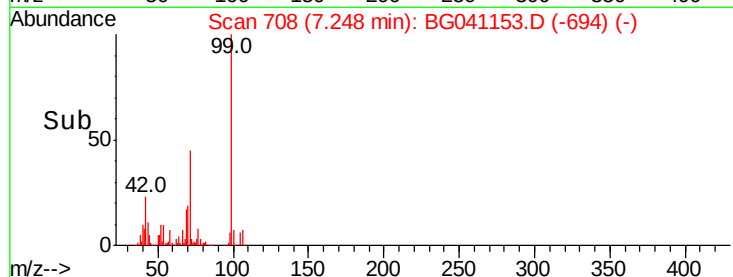
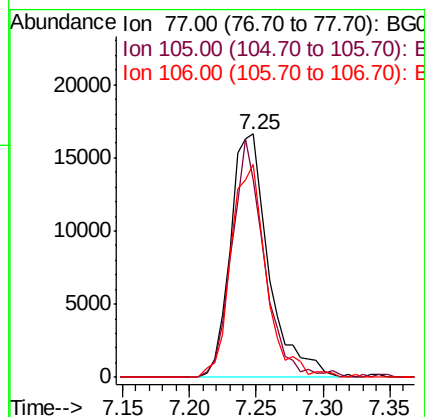
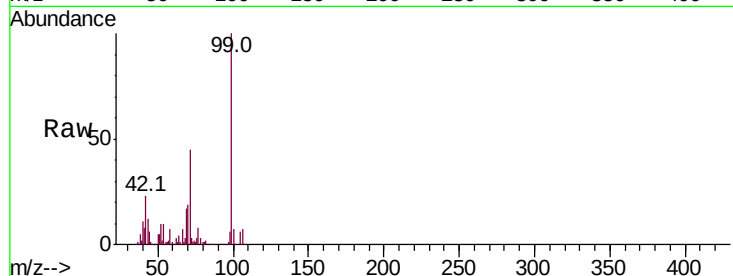
Tot Ion: 77 Resp: 33234

Ion Ratio Lower Upper

77 100

105 81.2 78.9 118.9

106 87.2 76.7 116.7



#10

Phenol

Concen: 47.196 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

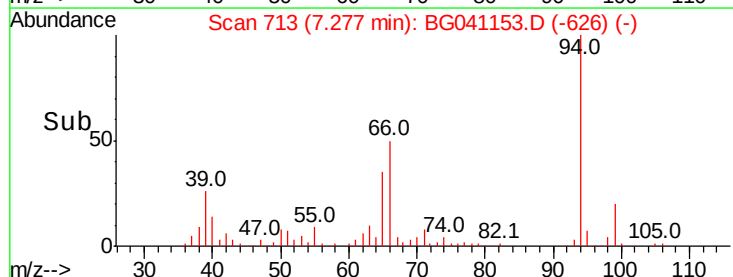
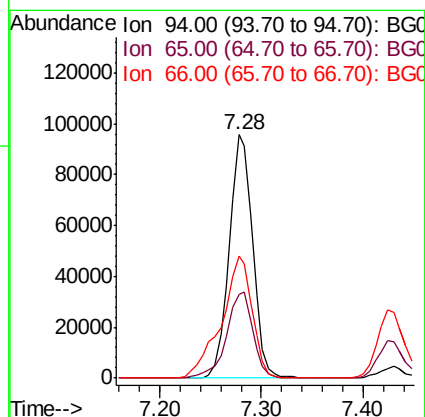
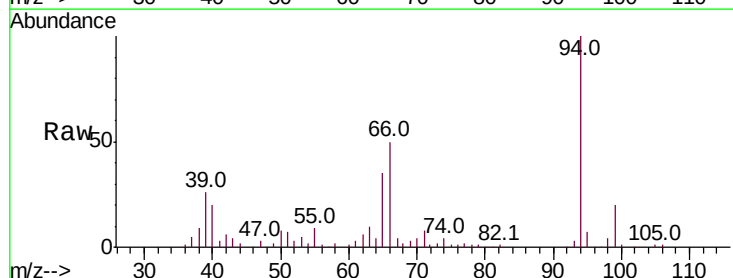
Tgt Ion: 94 Resp: 152737

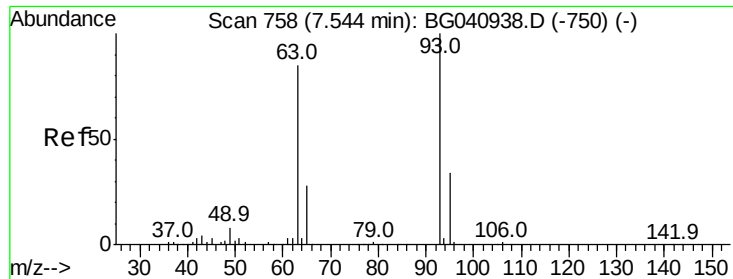
Ion Ratio Lower Upper

94 100

65 34.6 17.0 57.0

66 50.2 32.4 72.4

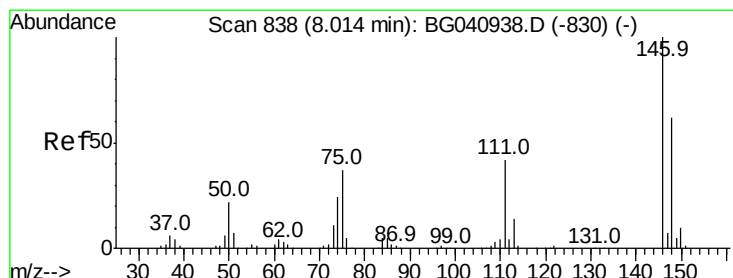
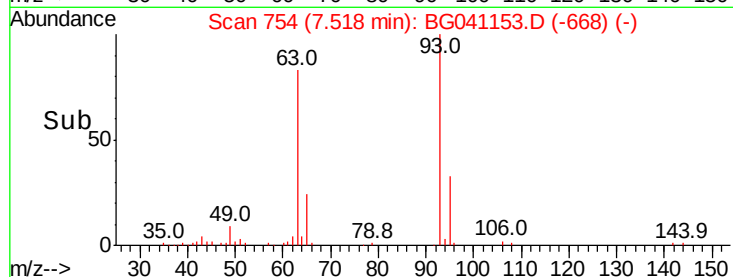
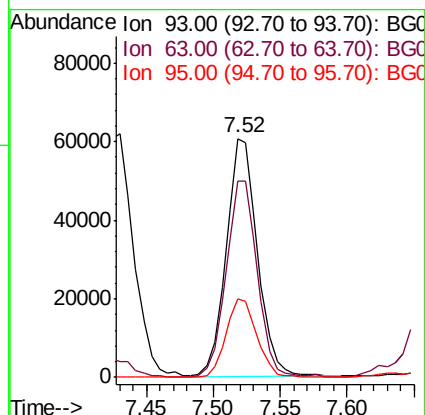
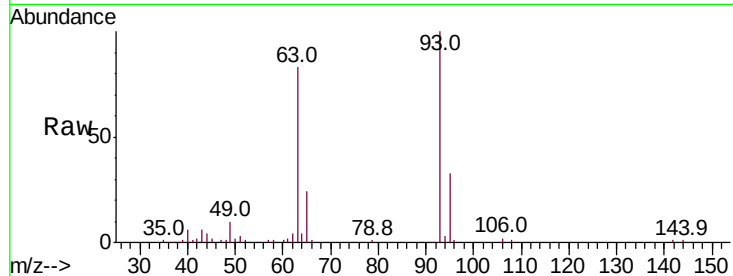




#11
bis(2-Chloroethyl)ether
Concen: 42.077 ng
RT: 7.52 min Scan# 754
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

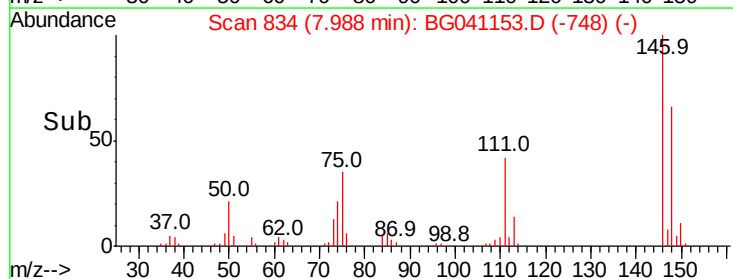
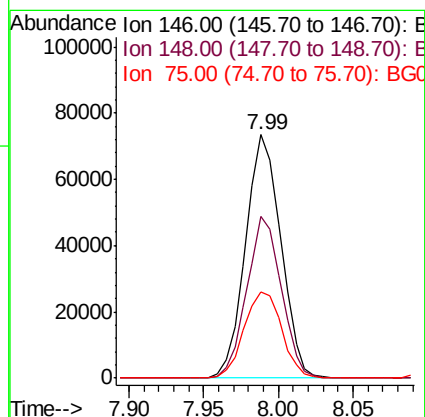
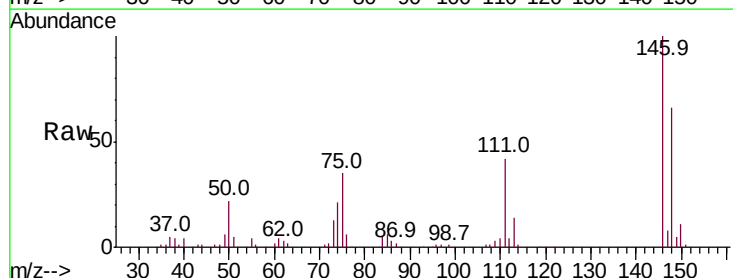
Instrument :
BNA_G
ClientSampleId :
SOILBS02

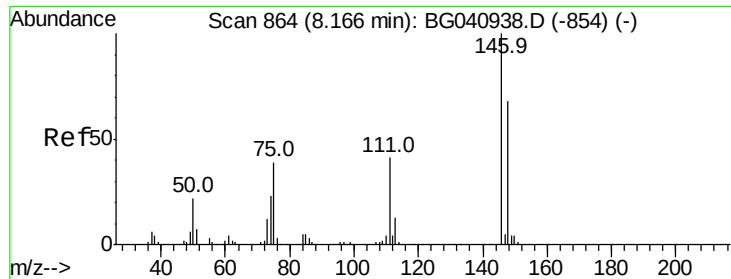
Tot Ion: 93 Resp: 98784
Ion Ratio Lower Upper
93 100
63 82.5 64.5 104.5
95 33.2 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 43.171 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion: 146 Resp: 120136
Ion Ratio Lower Upper
146 100
148 66.2 49.2 73.8
75 35.2 29.4 44.0

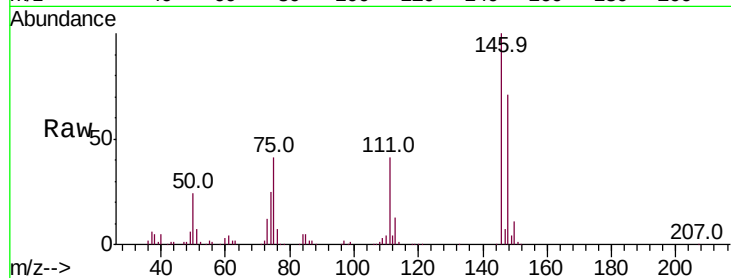




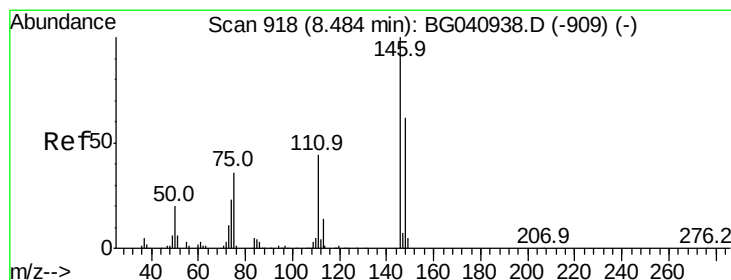
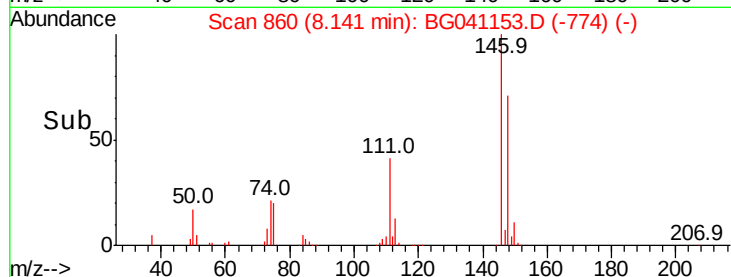
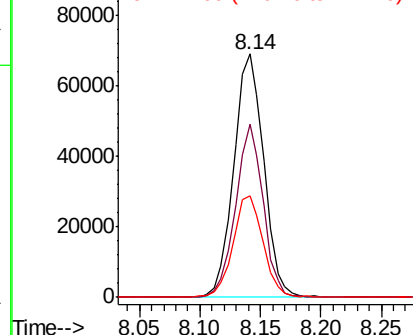
#13
 1,4-Dichlorobenzene
 Concen: 42.327 ng
 RT: 8.14 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: BG041153.D
 Acq: 9 Jun 2019 4:48

Instrument :
 BNA_G
 ClientSampleId :
 SOILBS02

Tot Ion:146 Resp: 119228
 Ion Ratio Lower Upper
 146 100
 148 71.2 54.2 81.4
 111 41.5 32.9 49.3

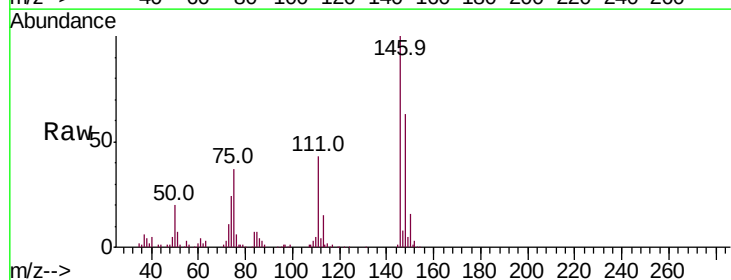


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

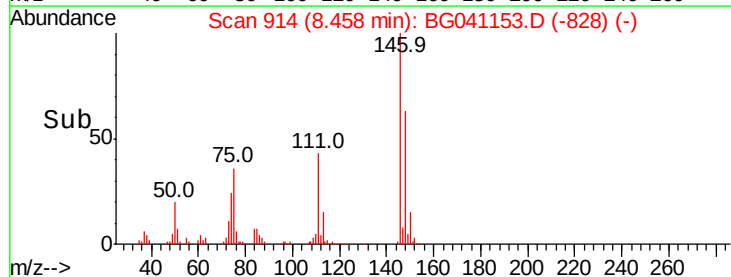
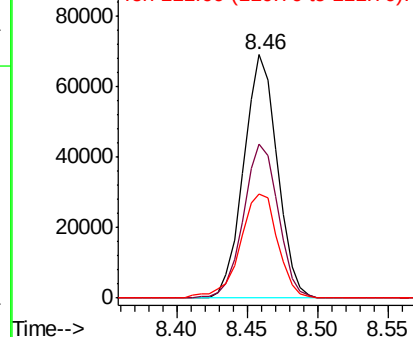


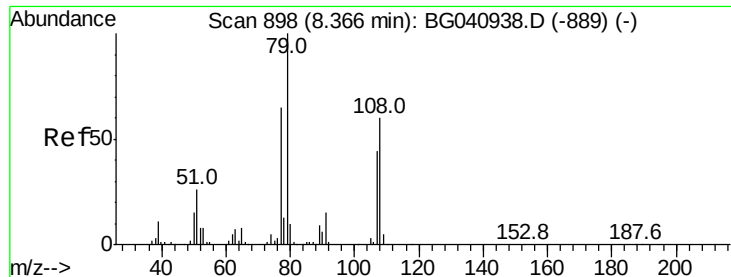
#14
 1,2-Dichlorobenzene
 Concen: 42.095 ng
 RT: 8.46 min Scan# 914
 Delta R.T. -0.03 min
 Lab File: BG041153.D
 Acq: 9 Jun 2019 4:48

Tgt Ion:146 Resp: 115129
 Ion Ratio Lower Upper
 146 100
 148 63.1 49.8 74.6
 111 42.9 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: 44.438 ng

RT: 8.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

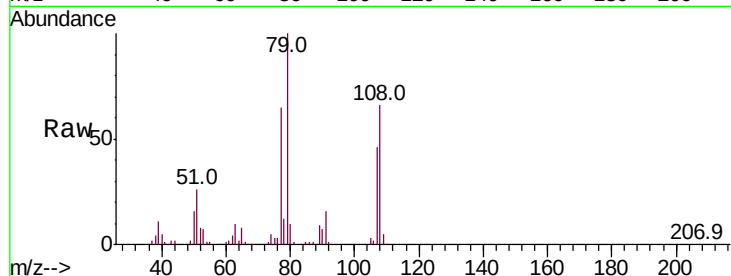
Tot Ion: 79 Resp: 124071

Ion Ratio Lower Upper

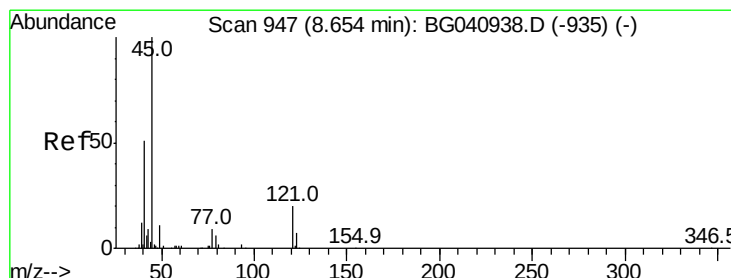
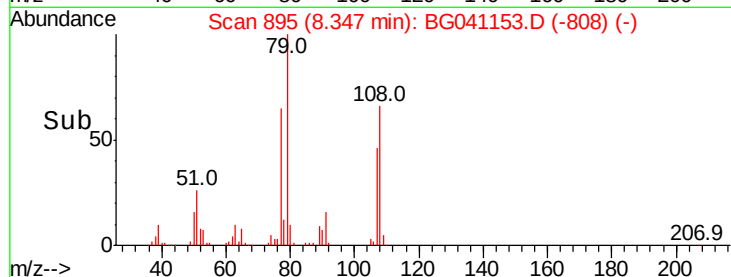
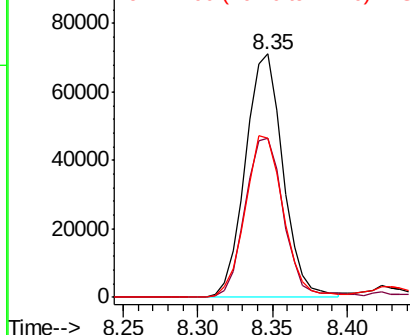
79 100

108 65.6 48.3 72.5

77 65.3 52.3 78.5



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.876 ng

RT: 8.62 min Scan# 942

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

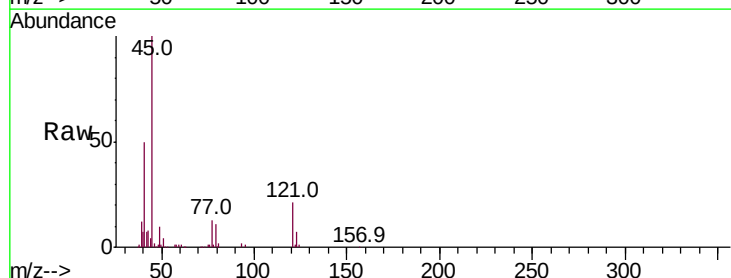
Tgt Ion: 45 Resp: 152977

Ion Ratio Lower Upper

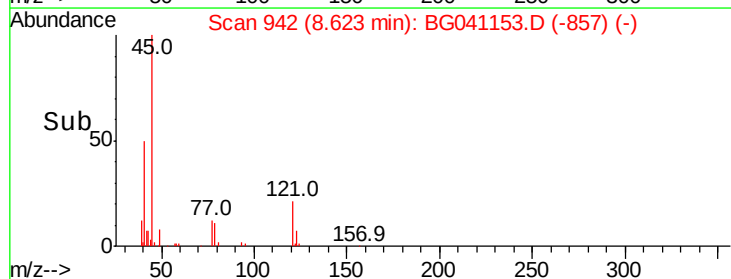
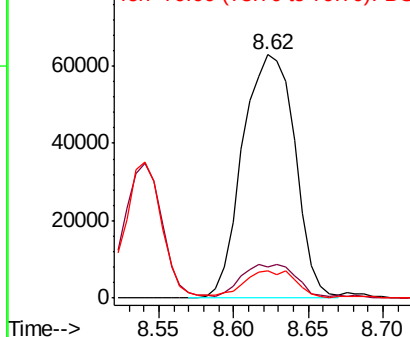
45 100

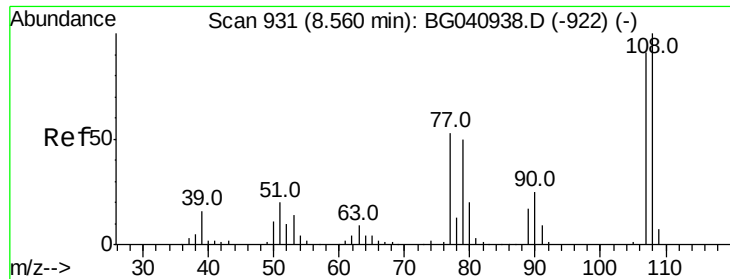
77 12.8 0.0 33.7

79 11.1 0.0 30.2



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

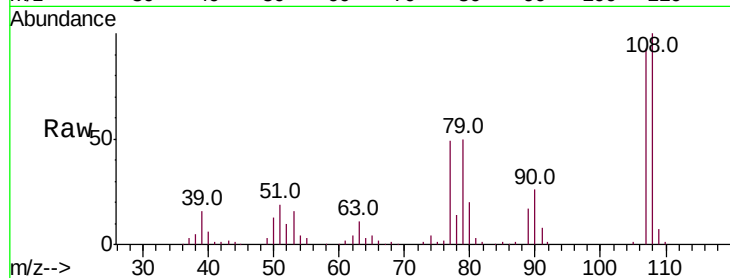




#17
2-Methylphenol
Concen: 45.984 ng
RT: 8.54 min Scan# 928
Delta R.T. -0.02 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Instrument :
BNA_G
ClientSampleId :
SOILBS02

Tot Ion	Ratio	Lower	Upper
107	100		
108	107.4	87.7	131.5
77	53.0	46.6	70.0
79	53.8	44.6	66.8



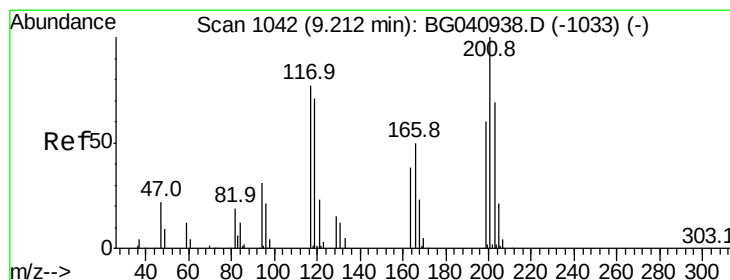
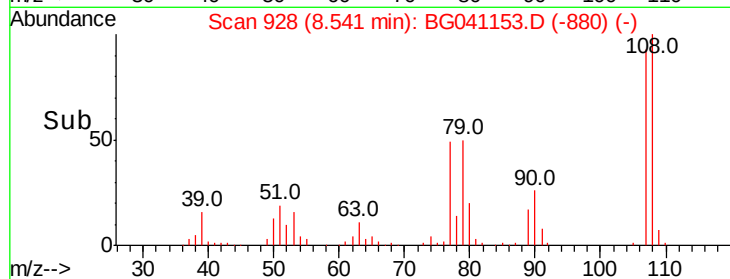
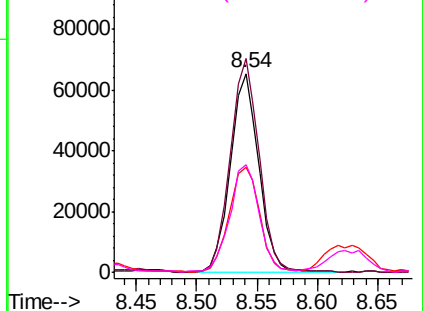
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

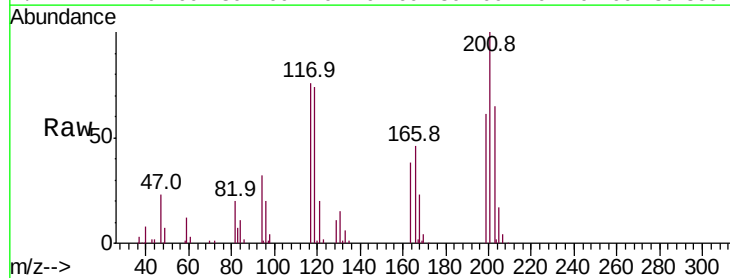
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 43.392 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.0	112.6
201	132.1	103.5	155.3

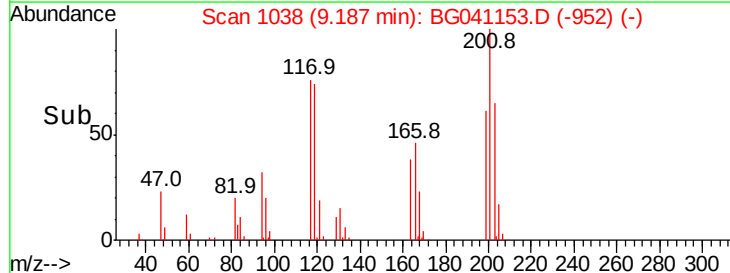
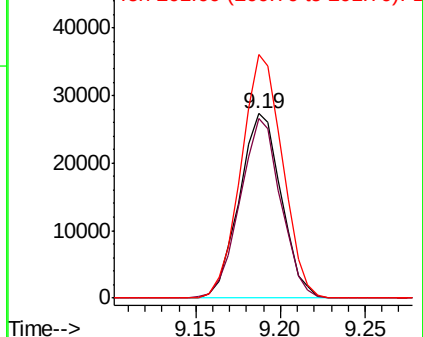


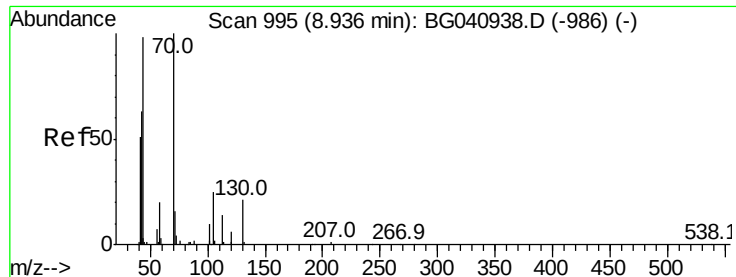
Abundance

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: 40.515 ng

RT: 8.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

Tot Ion: 70 Resp: 94106

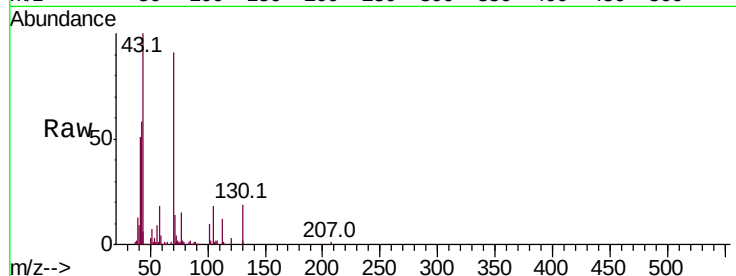
Ion Ratio Lower Upper

70 100

42 63.7 51.5 77.3

101 11.1 8.1 12.1

130 20.7 16.6 24.8

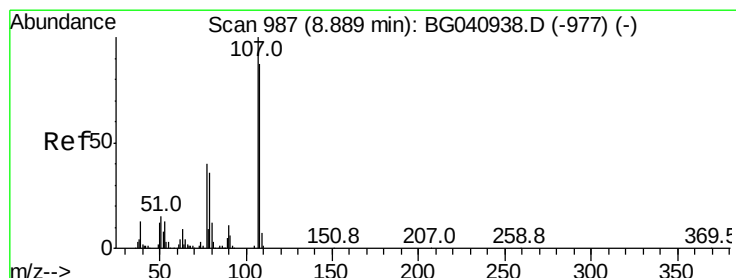
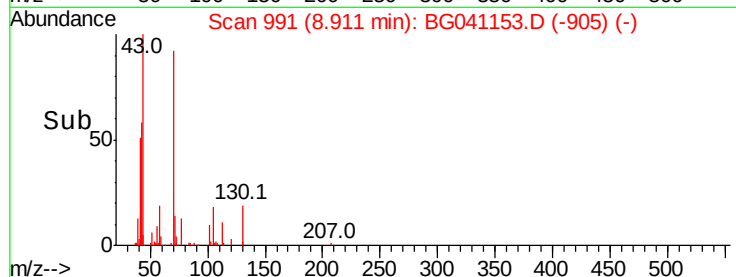
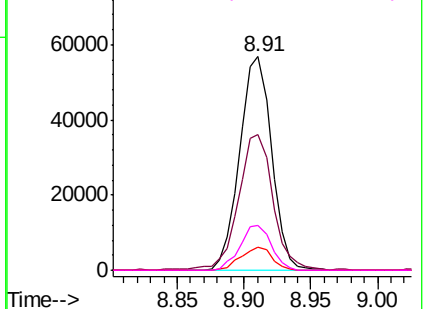


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 44.139 ng

RT: 8.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Tgt Ion:107 Resp: 143263

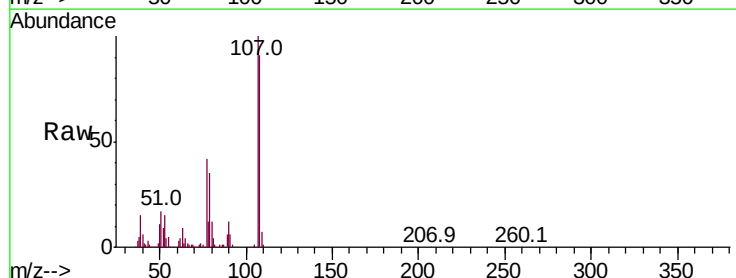
Ion Ratio Lower Upper

107 100

108 91.2 66.8 106.8

77 42.3 20.5 60.5

79 34.8 15.8 55.8

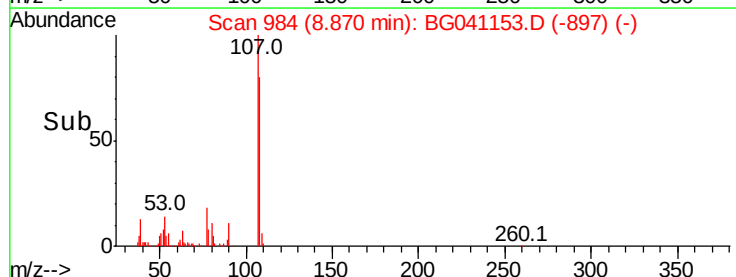
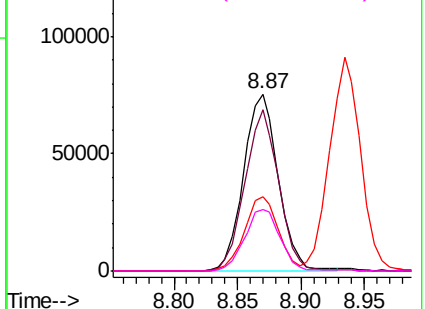


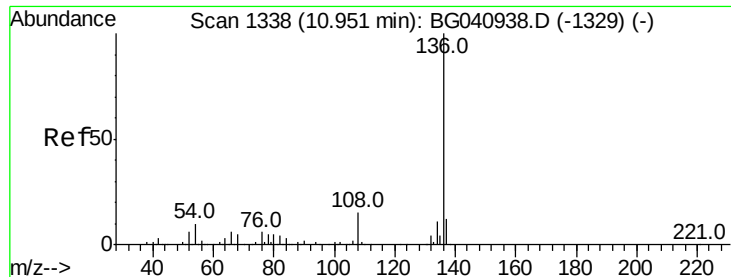
Abundance Ion 107.00 (106.70 to 107.70): BGC

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

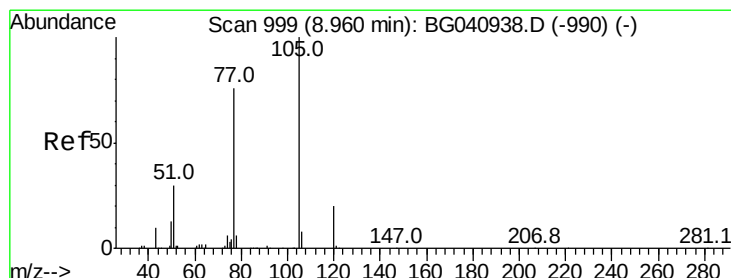
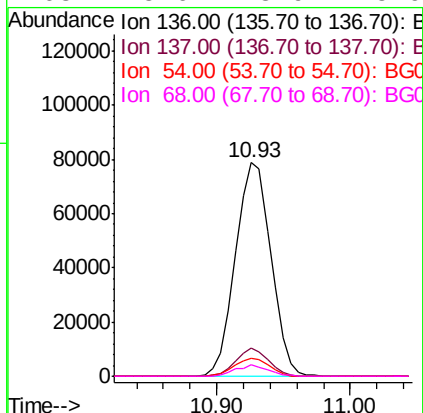
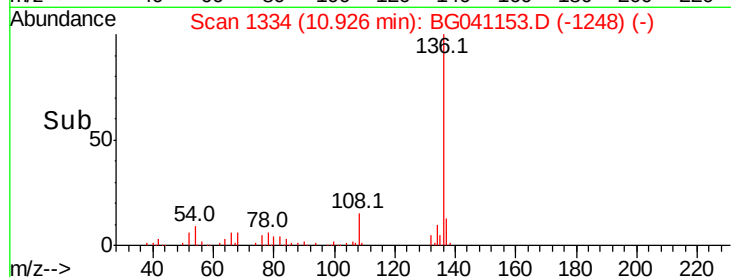
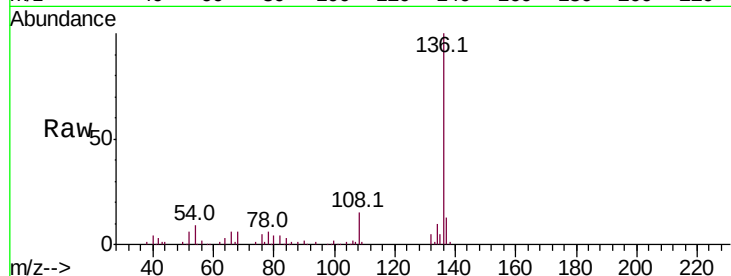




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

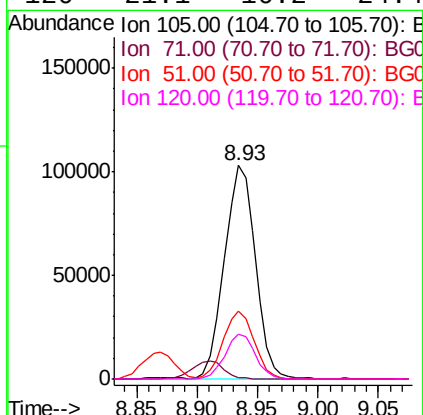
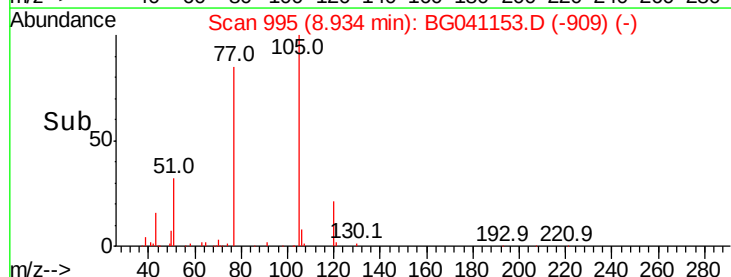
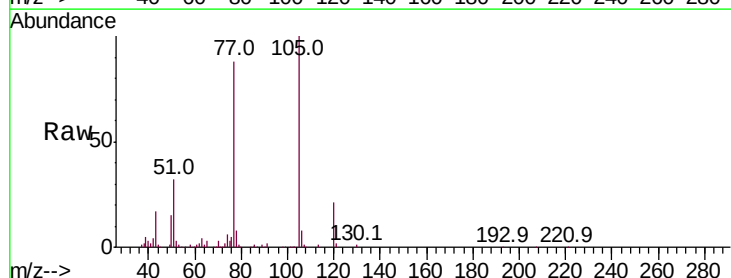
Instrument :
BNA_G
ClientSampleId :
SOILBS02

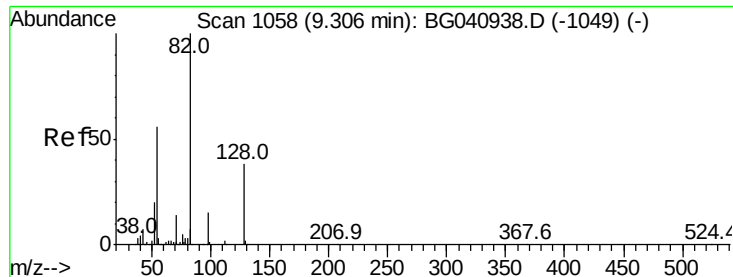
Tot Ion:136	Resp:	145293
Ion Ratio	Lower	Upper
136	100	
137	13.2	9.5 14.3
54	9.0	7.6 11.4
68	5.6	3.9 5.9



#22
Acetophenone
Concen: 45.225 ng
RT: 8.93 min Scan# 995
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion:105	Resp:	184324
Ion Ratio	Lower	Upper
105	100	
71	0.3	0.4 0.6#
51	31.7	27.0 40.6
120	21.1	16.2 24.4





#23

Nitrobenzene-d5

Concen: 84.096 ng

RT: 9.28 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

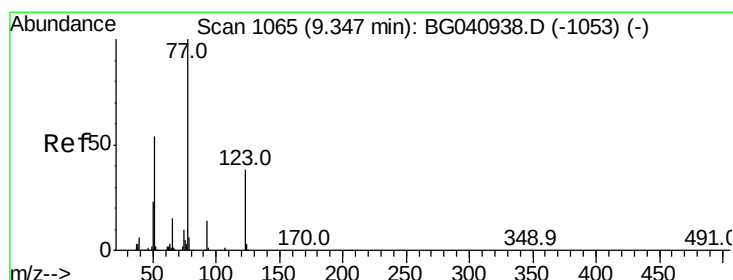
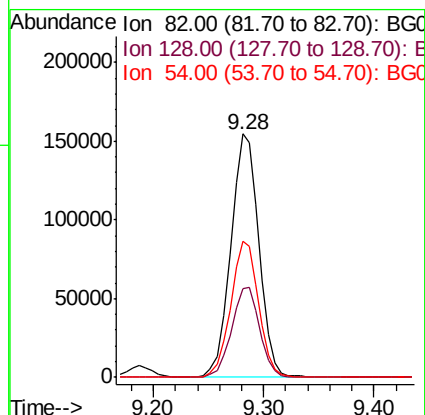
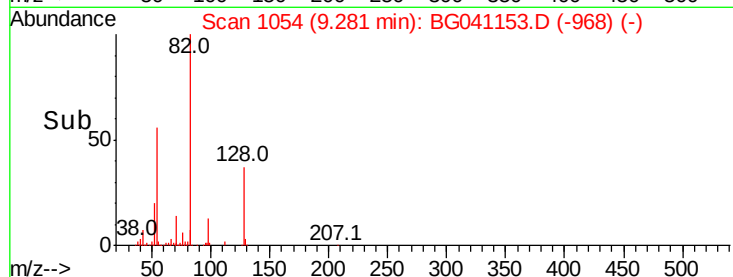
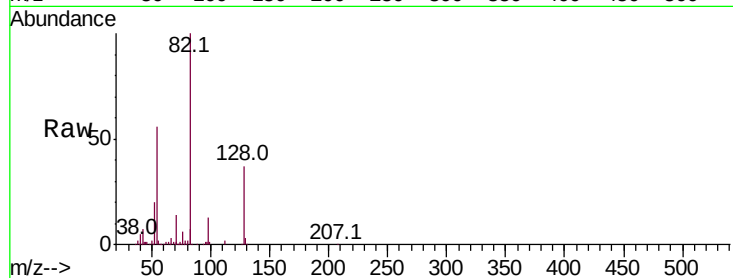
Tot Ion: 82 Resp: 275232

Ion Ratio Lower Upper

82 100

128 36.5 30.5 45.7

54 56.1 44.6 66.8



#24

Nitrobenzene

Concen: 45.651 ng

RT: 9.33 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

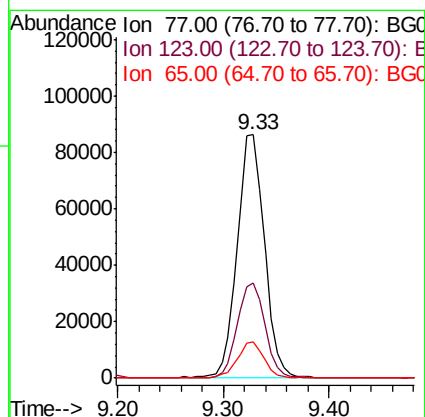
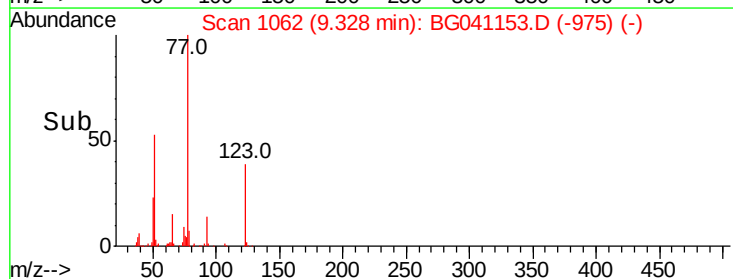
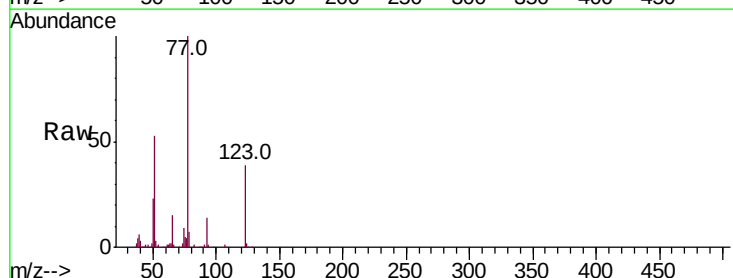
Tgt Ion: 77 Resp: 152258

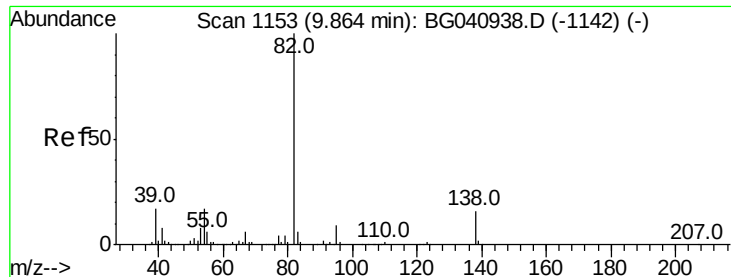
Ion Ratio Lower Upper

77 100

123 38.8 30.6 46.0

65 15.2 12.3 18.5





#25

Isophorone

Concen: 44.578 ng

RT: 9.84 min Scan# 1149

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

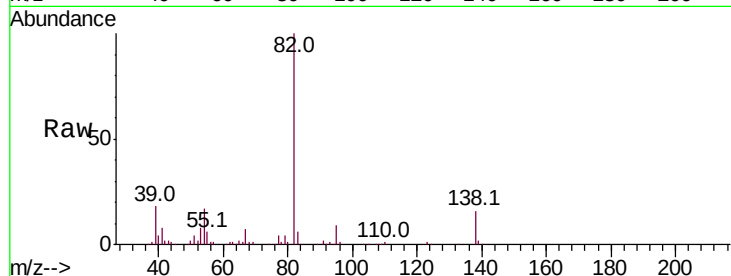
Tot Ion: 82 Resp: 277654

Ion Ratio Lower Upper

82 100

95 8.6 7.0 10.4

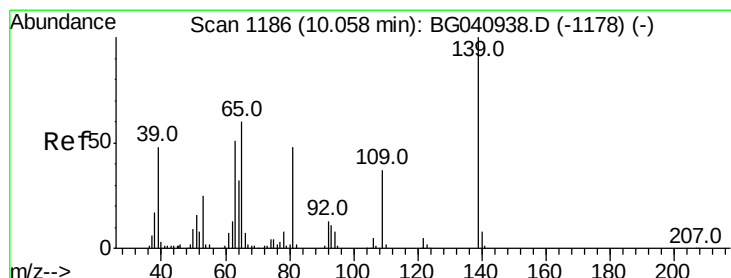
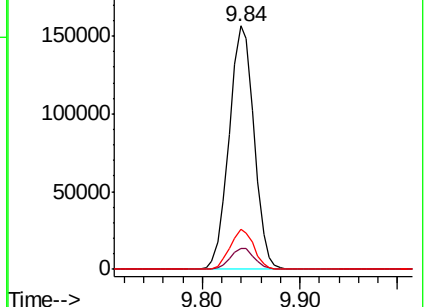
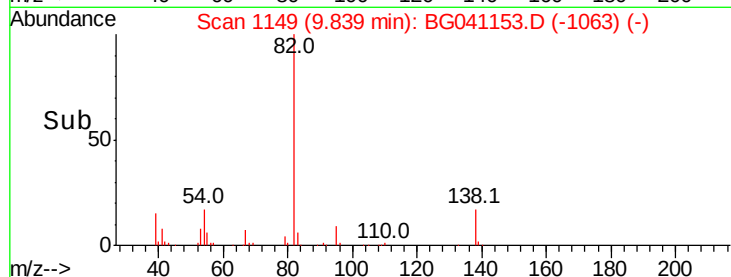
138 16.5 12.6 19.0



Abundance Ion 82.00 (81.70 to 82.70): BG040938.D (-1142) (-)

Ion 95.00 (94.70 to 95.70): BG040938.D (-1142) (-)

Ion 138.00 (137.70 to 138.70): BG040938.D (-1142) (-)



#26

2-Nitrophenol

Concen: 50.564 ng

RT: 10.03 min Scan# 1182

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

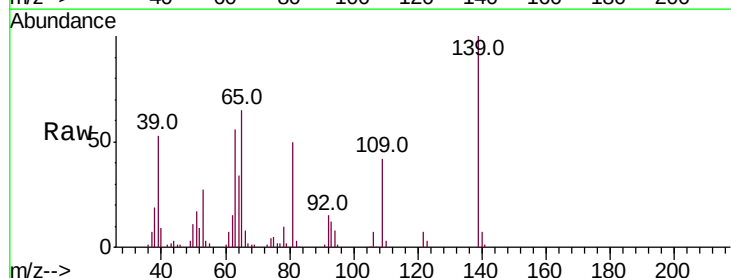
Tgt Ion: 139 Resp: 69524

Ion Ratio Lower Upper

139 100

109 42.3 29.8 44.6

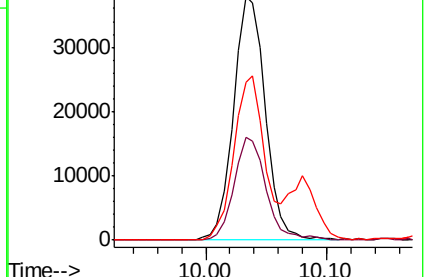
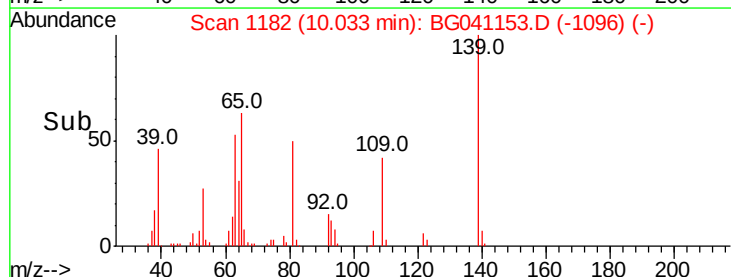
65 65.1 47.8 71.6

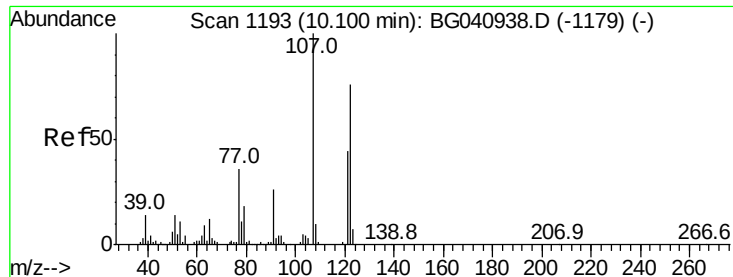


Abundance Ion 139.00 (138.70 to 139.70): BG040938.D (-1178) (-)

Ion 109.00 (108.70 to 109.70): BG040938.D (-1178) (-)

Ion 65.00 (64.70 to 65.70): BG040938.D (-1178) (-)





#27

2,4-Dimethylphenol

Concen: 52.355 ng

RT: 10.08 min Scan# 1190

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

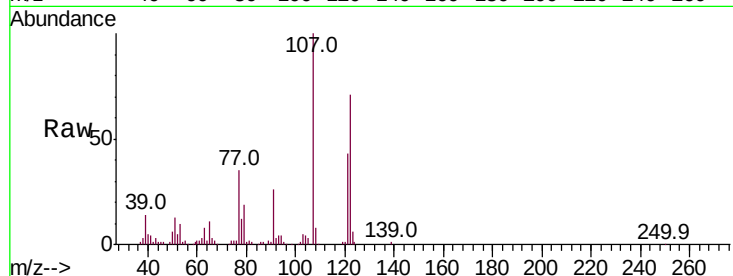
Tot Ion:122 Resp: 118891

Ion Ratio Lower Upper

122 100

107 141.1 105.9 158.9

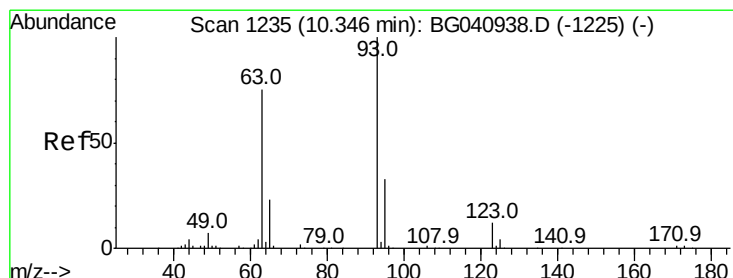
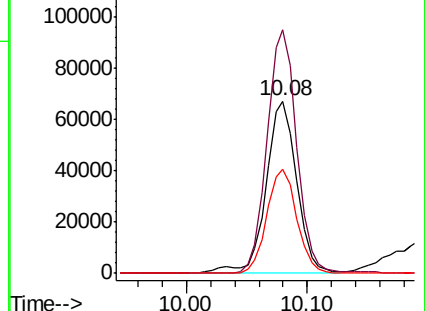
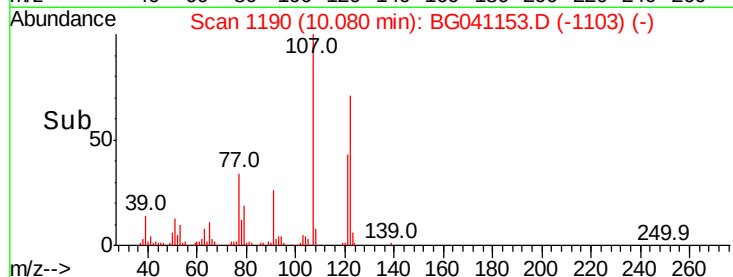
121 60.5 46.2 69.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 44.040 ng

RT: 10.32 min Scan# 1231

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

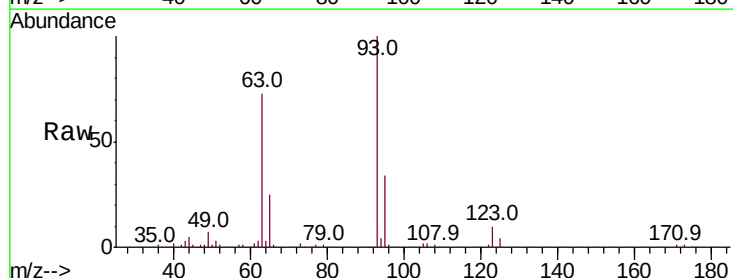
Tgt Ion: 93 Resp: 148046

Ion Ratio Lower Upper

93 100

95 33.9 26.2 39.2

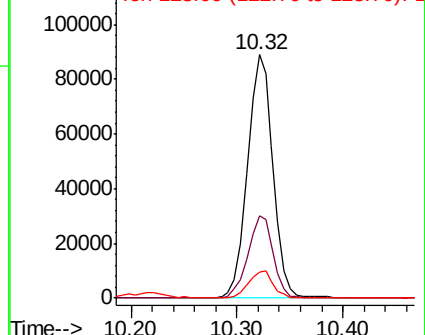
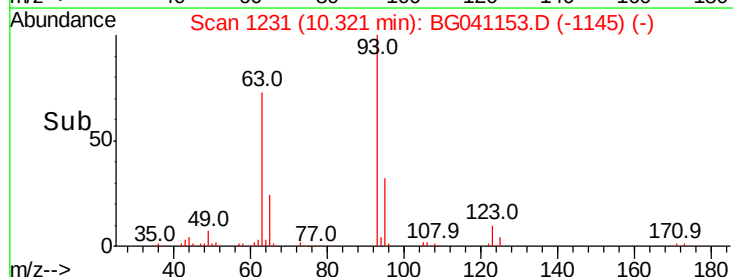
123 10.4 9.5 14.3

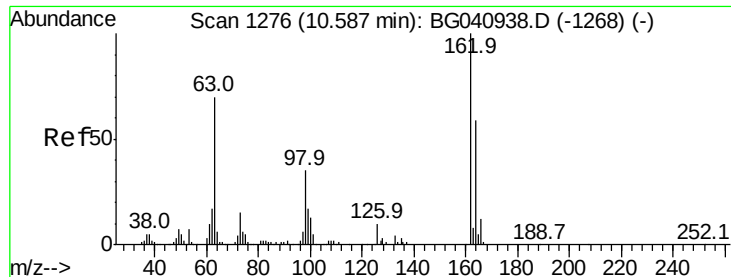


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

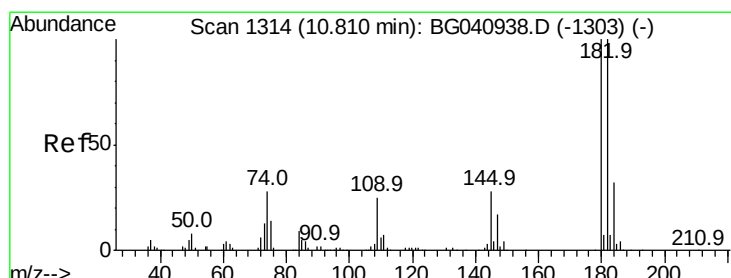
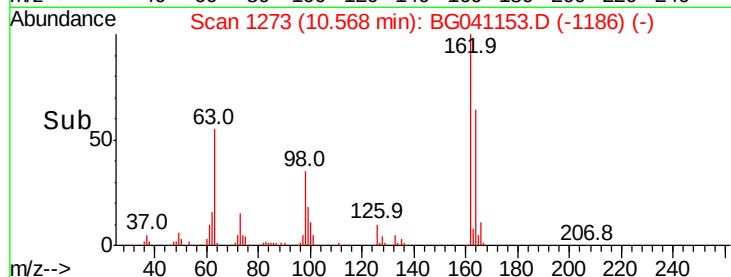
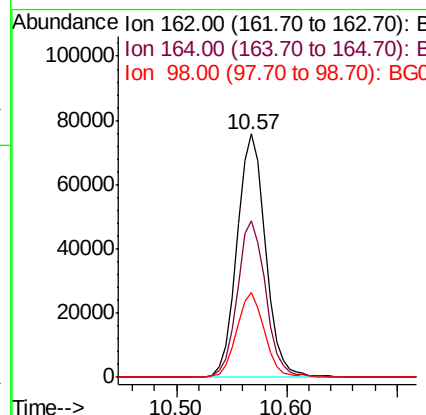
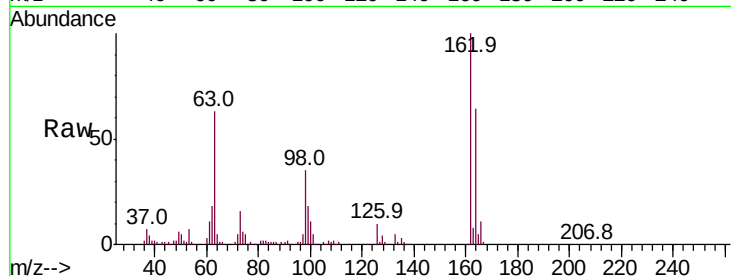




#29
2,4-Dichlorophenol
Concen: 47.751 ng
RT: 10.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

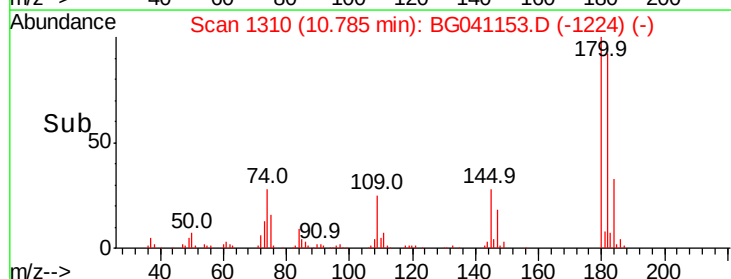
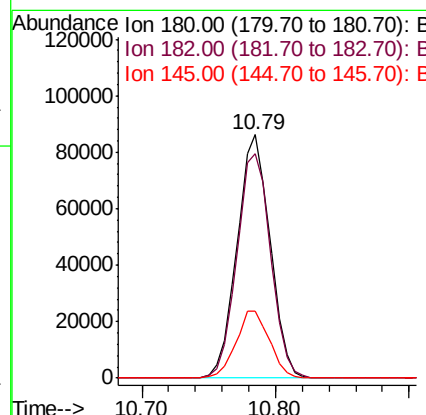
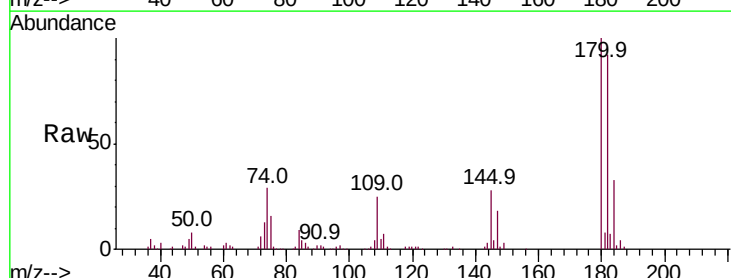
Instrument :
BNA_G
ClientSampleId :
SOILBS02

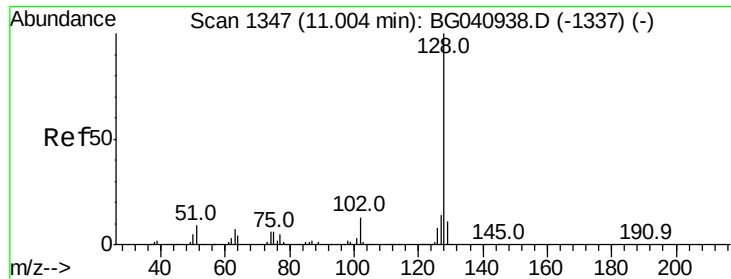
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.1	39.4	79.4
98	35.1	15.3	55.3



#30
1,2,4-Trichlorobenzene
Concen: 45.151 ng
RT: 10.79 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	79.7	119.5
145	27.6	22.6	34.0

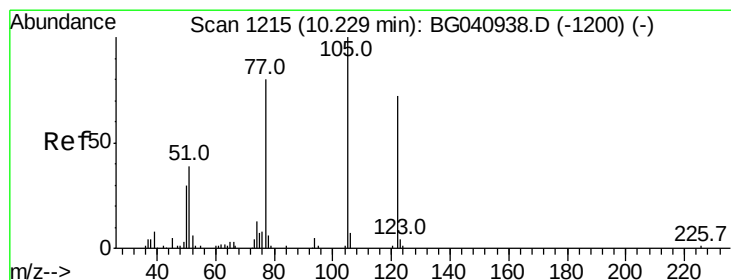
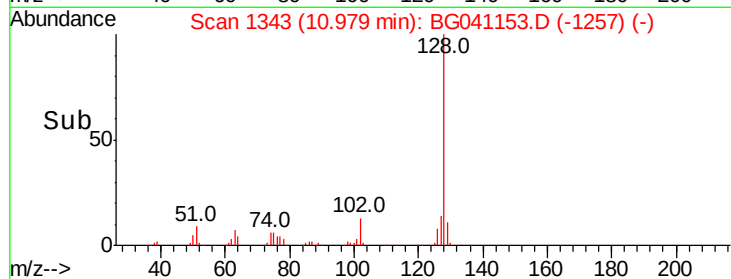
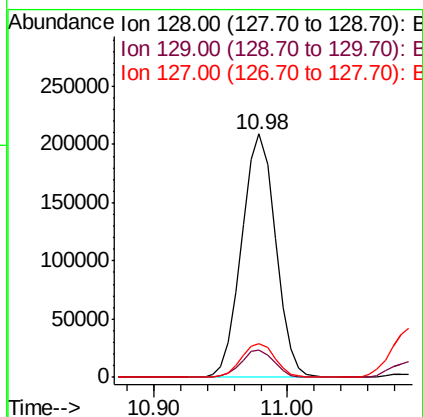
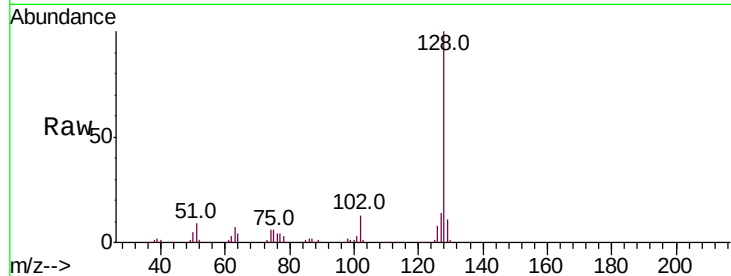




#31
Naphthalene
Concen: 47.064 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

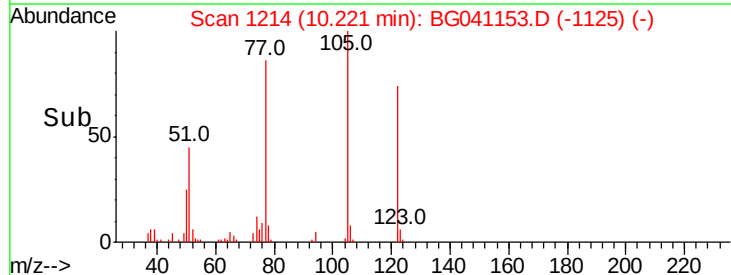
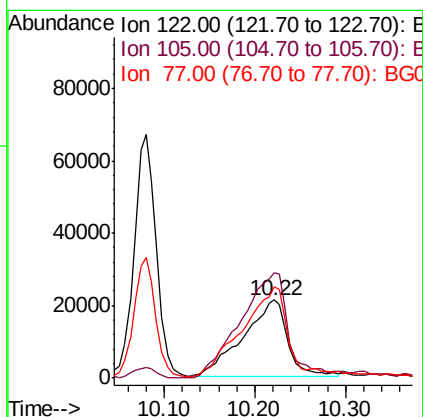
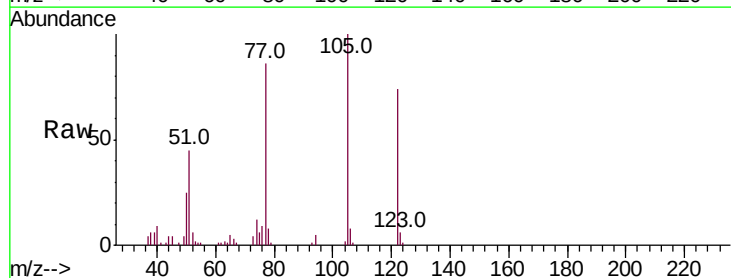
Instrument :
BNA_G
ClientSampleId :
SOILBS02

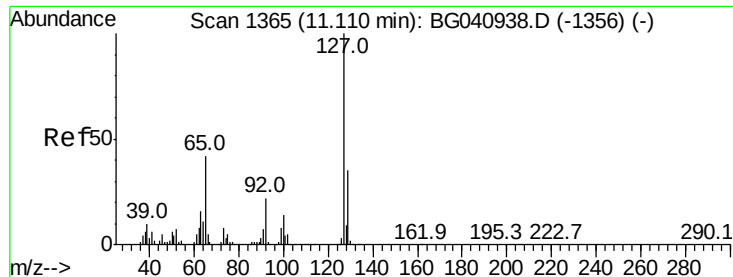
Tot Ion:128 Resp: 367145
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 13.8 11.4 17.2



#32
Benzoic acid
Concen: 42.080 ng
RT: 10.22 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion:122 Resp: 72172
Ion Ratio Lower Upper
122 100
105 135.0 114.8 154.8
77 115.9 89.9 129.9

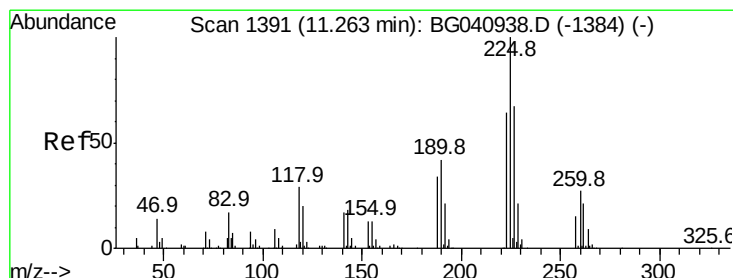
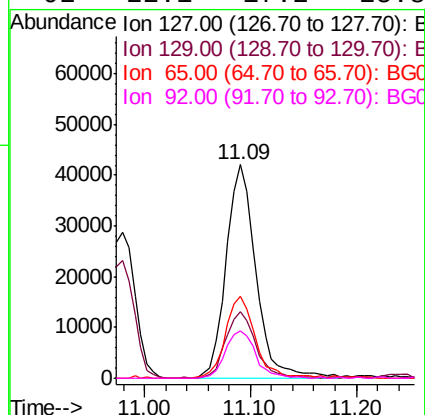
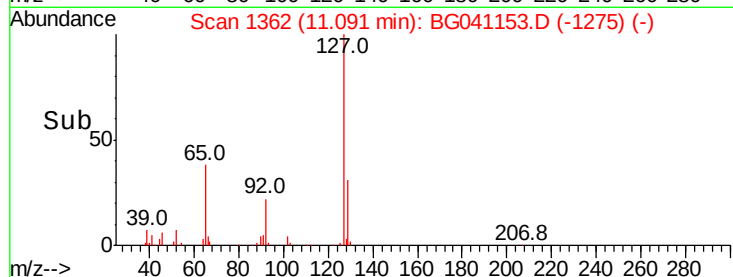
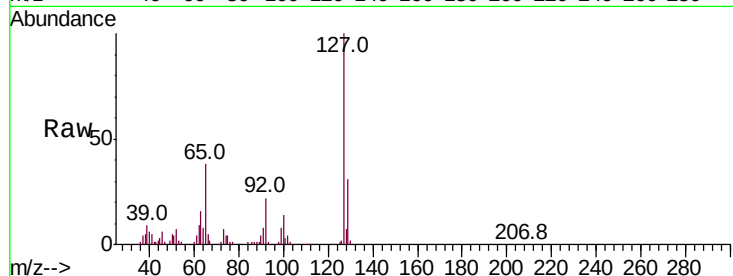




#33
4-Chloroaniline
Concen: 22.788 ng
RT: 11.09 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

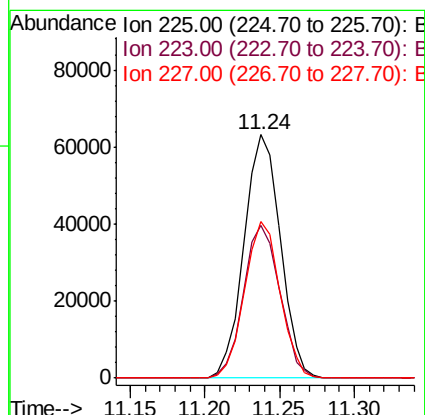
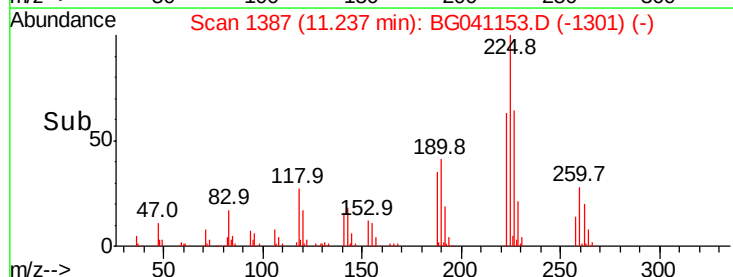
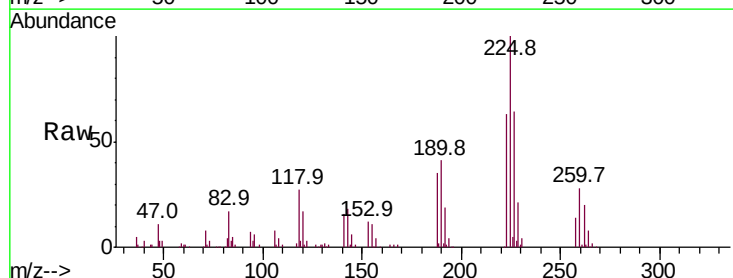
Instrument :
BNA_G
ClientSampleId :
SOILBS02

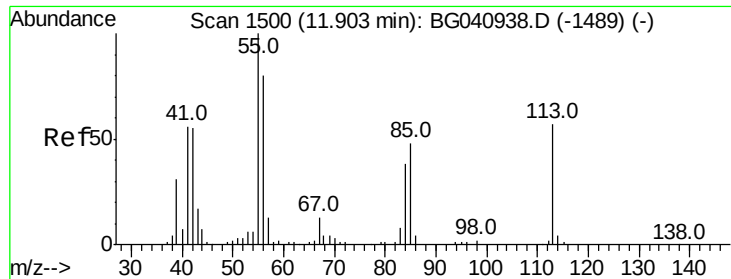
Tot Ion:	127	Resp:	82481
Ion	Ratio	Lower	Upper
127	100		
129	30.9	27.7	41.5
65	38.3	33.2	49.8
92	22.1	17.2	25.8



#34
Hexachlorobutadiene
Concen: 42.419 ng
RT: 11.24 min Scan# 1387
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion:	225	Resp:	106475
Ion	Ratio	Lower	Upper
225	100		
223	62.6	48.8	73.2
227	64.1	51.4	77.0





#35

Caprolactam

Concen: 44.963 ng/mL

RT: 11.88 min Scan# 1496

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleID :

SOILBS02

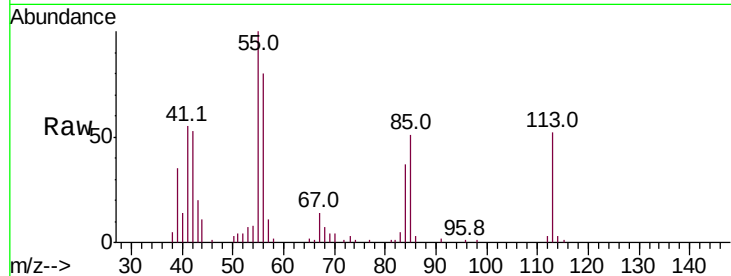
Tot Ion:113 Resp: 42817

Ion Ratio Lower Upper

113 100

55 190.8 155.9 195.9

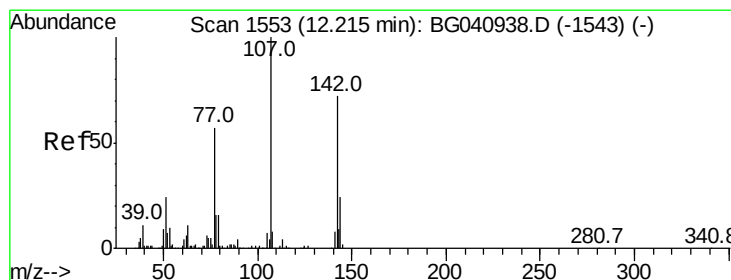
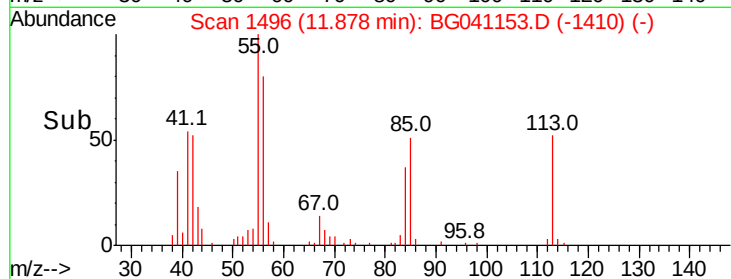
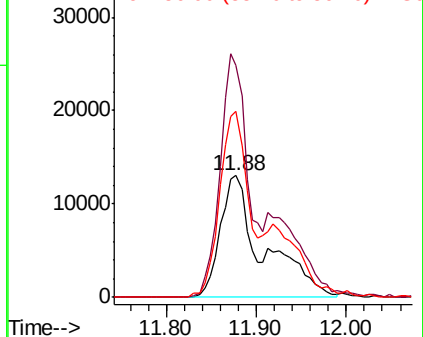
56 152.5 119.9 159.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 47.902 ng/mL

RT: 12.20 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

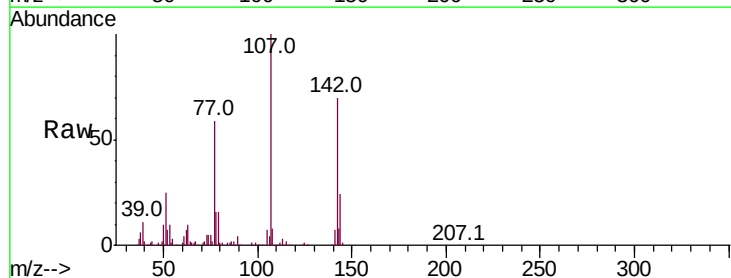
Tgt Ion:107 Resp: 157759

Ion Ratio Lower Upper

107 100

144 23.7 19.4 29.0

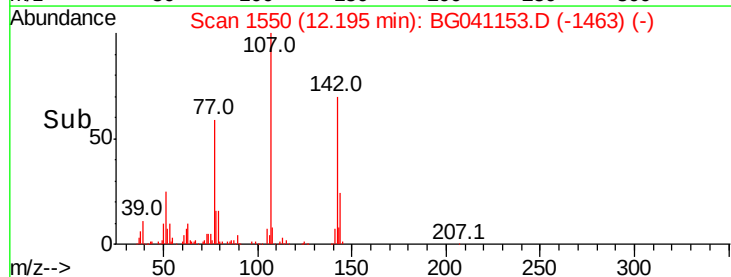
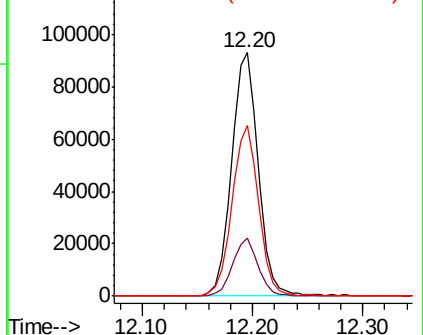
142 70.0 57.3 85.9

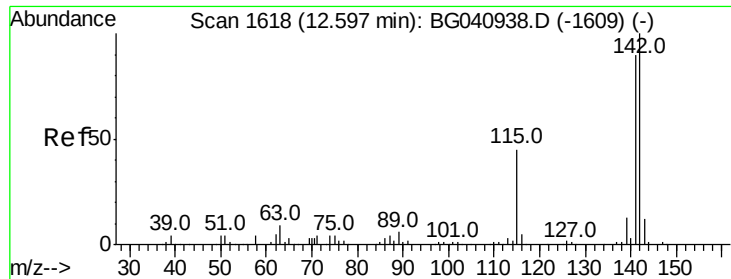


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

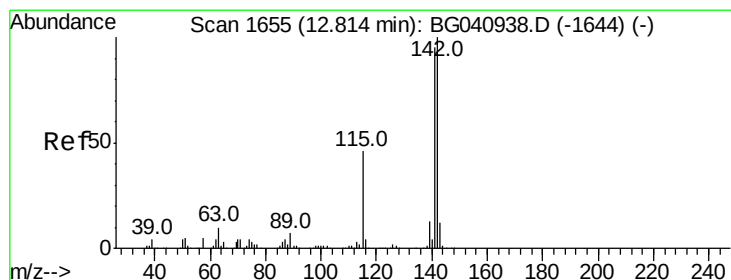
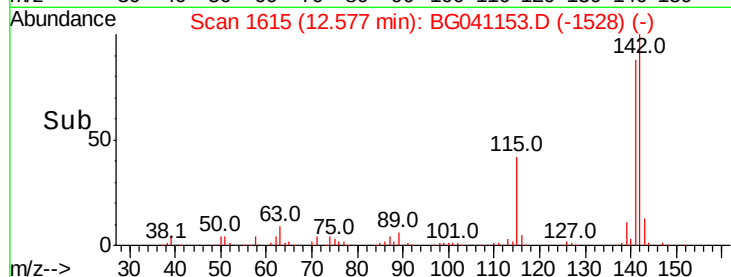
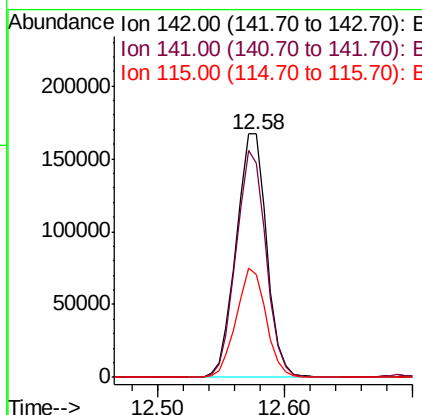
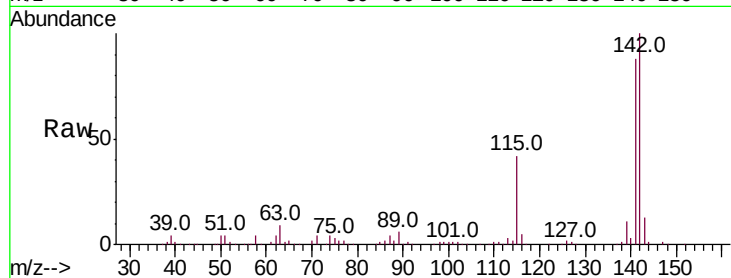




#37
2-Methylnaphthalene
Concen: 46.392 ng
RT: 12.58 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

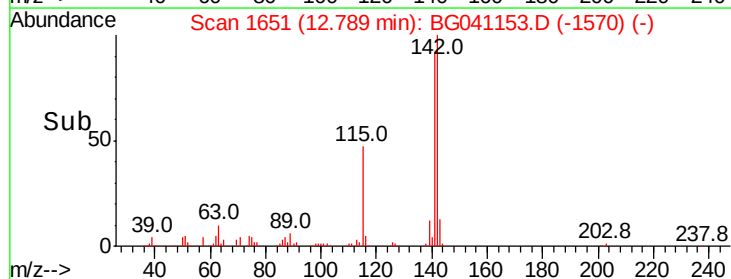
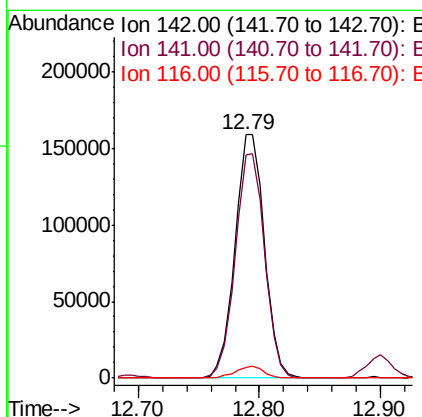
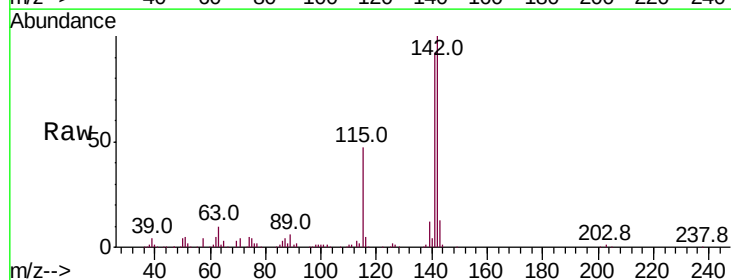
Instrument :
BNA_G
ClientSampleId :
SOILBS02

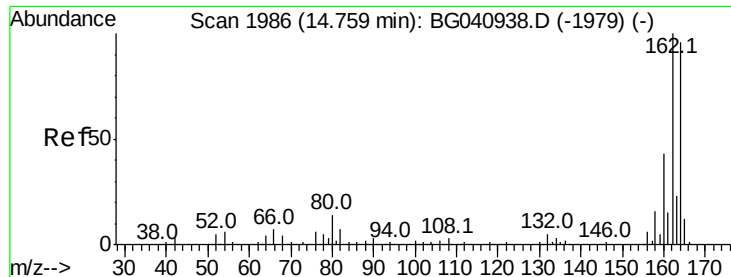
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.2	108.4
115	42.3	36.2	54.4



#38
1-Methylnaphthalene
Concen: 47.684 ng
RT: 12.79 min Scan# 1651
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	75.7	113.5
116	4.6	3.4	5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

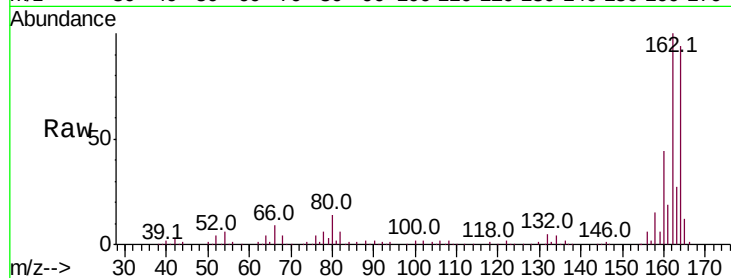
Tot Ion:164 Resp: 111113

Ion Ratio Lower Upper

164 100

162 106.5 83.0 124.4

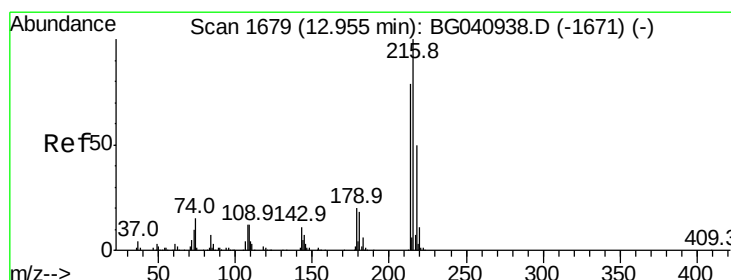
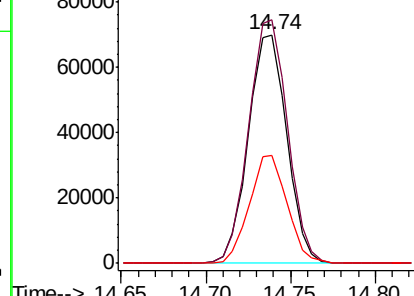
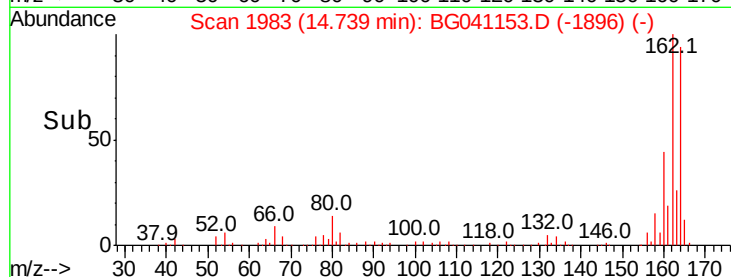
160 47.3 35.6 53.4



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: 46.496 ng

RT: 12.93 min Scan# 1675

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Tgt Ion:216 Resp: 208230

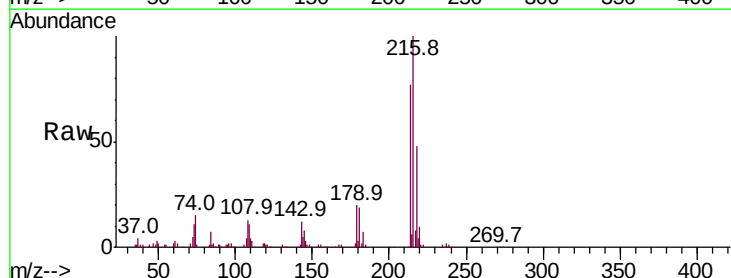
Ion Ratio Lower Upper

216 100

214 78.2 63.4 95.2

179 19.5 15.2 22.8

108 16.4 11.4 17.2

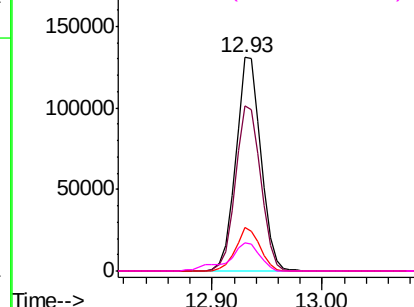
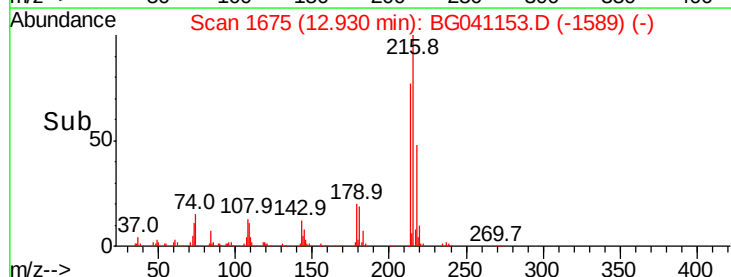


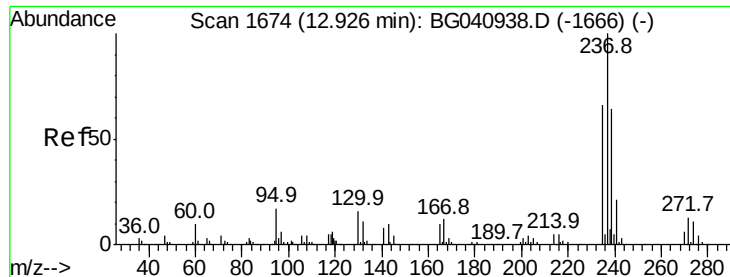
Abundance Ion 216.00 (215.70 to 216.70): E

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: 93.628 ng

RT: 12.90 min Scan# 1670

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

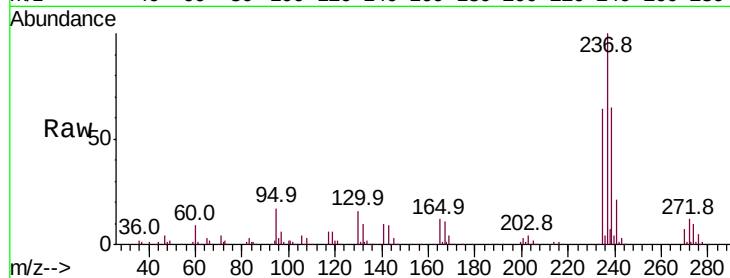
Tot Ion:237 Resp: 229162

Ion Ratio Lower Upper

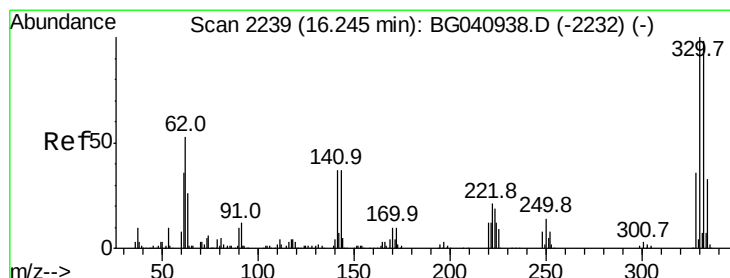
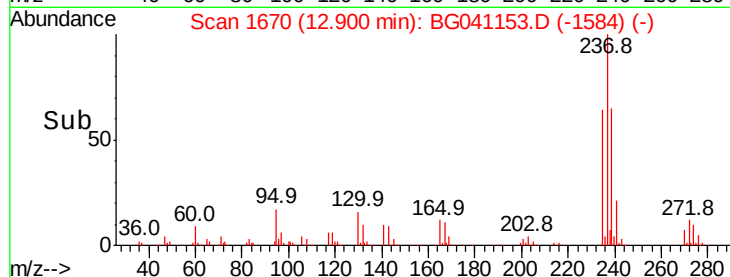
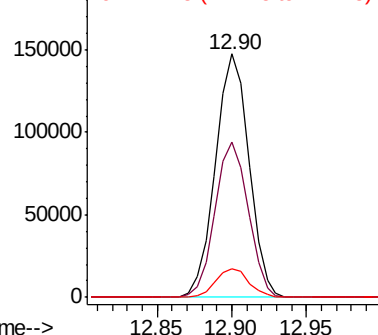
237 100

235 63.6 45.5 85.5

272 11.8 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: 136.494 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

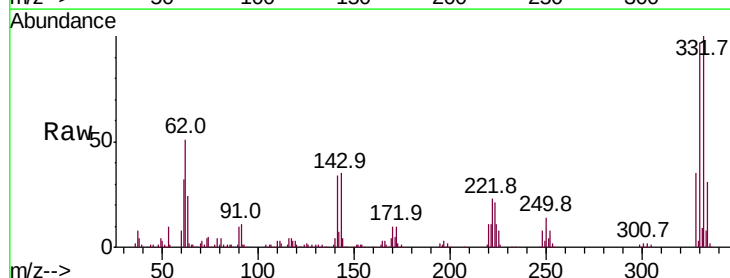
Tgt Ion:330 Resp: 225154

Ion Ratio Lower Upper

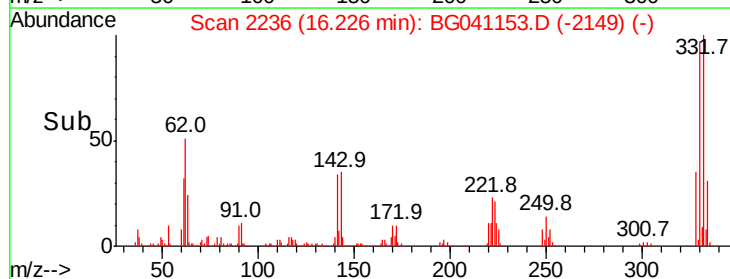
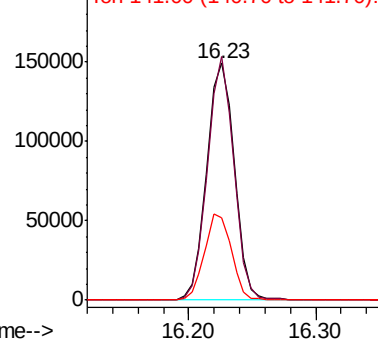
330 100

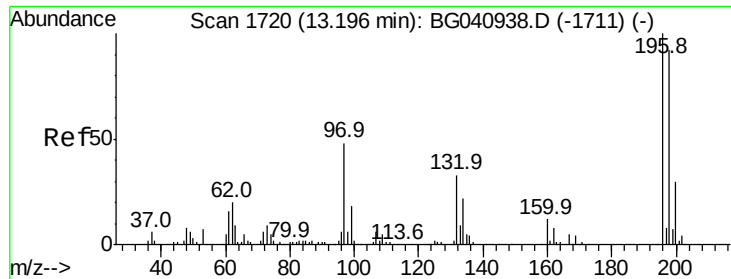
332 97.7 78.5 117.7

141 35.4 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

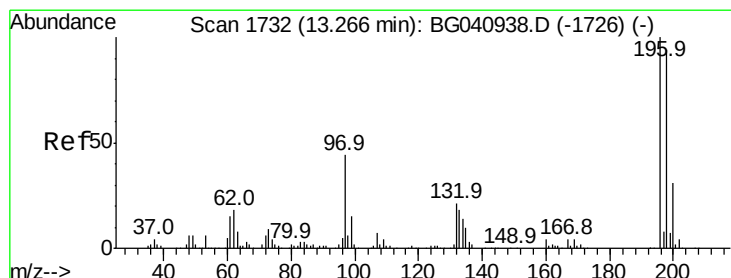
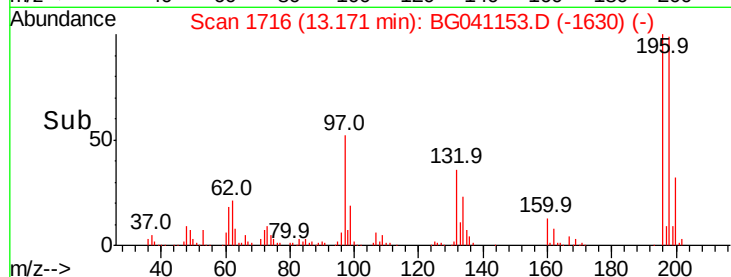
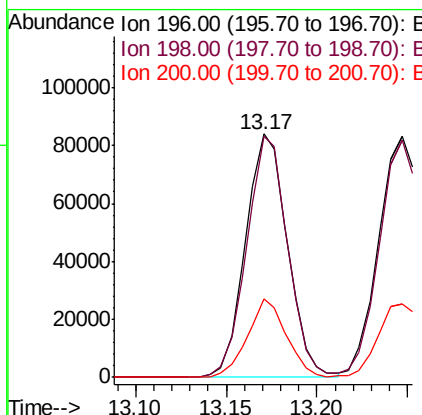
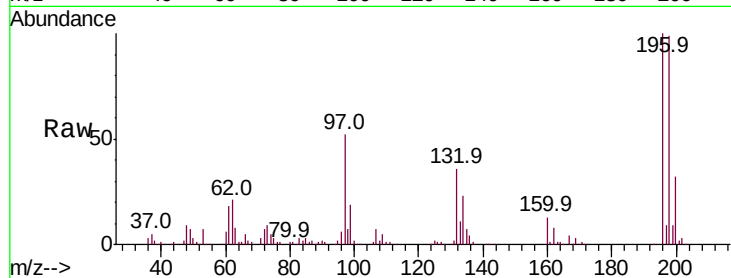




#43
 2,4,6-Trichlorophenol
 Concen: 46.509 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.03 min
 Lab File: BG041153.D
 Acq: 9 Jun 2019 4:48

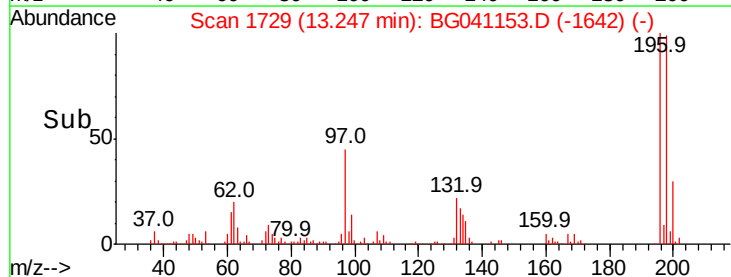
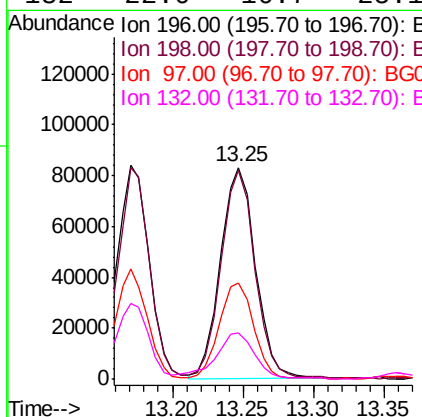
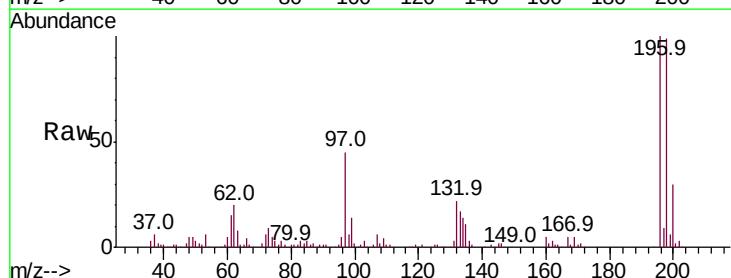
Instrument :
 BNA_G
 ClientSampled :
 SOILBS02

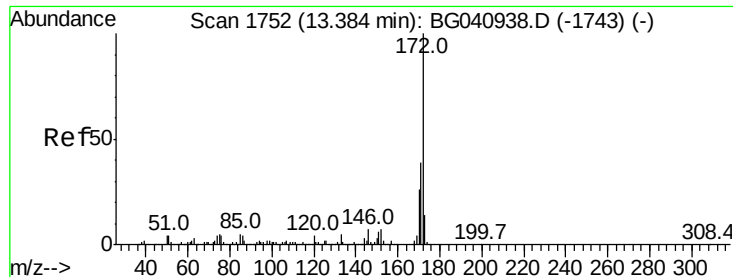
Tot Ion:196 Resp: 134744
 Ion Ratio Lower Upper
 196 100
 198 99.1 73.8 110.6
 200 32.0 24.1 36.1



#44
 2,4,5-Trichlorophenol
 Concen: 46.979 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG041153.D
 Acq: 9 Jun 2019 4:48

Tgt Ion:196 Resp: 143541
 Ion Ratio Lower Upper
 196 100
 198 98.5 75.1 112.7
 97 45.4 35.6 53.4
 132 22.0 16.7 25.1

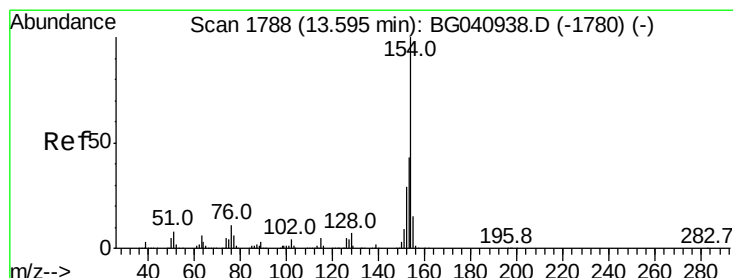
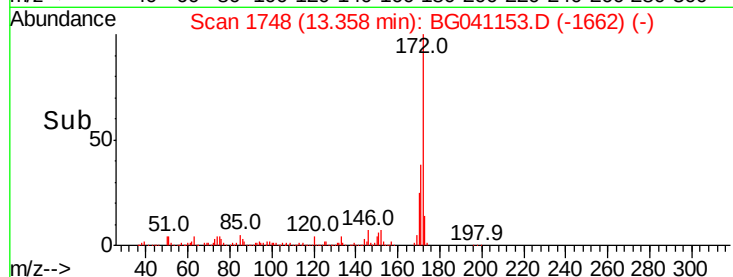
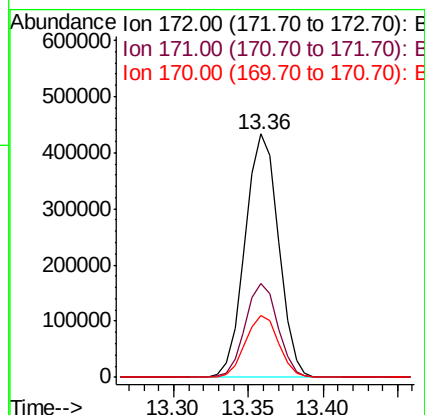
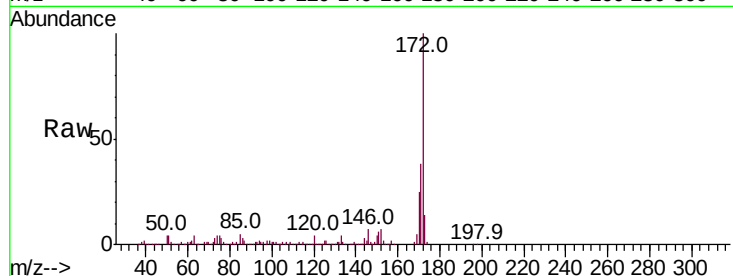




#45
2-Fluorobiphenyl
Concen: 86.884 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

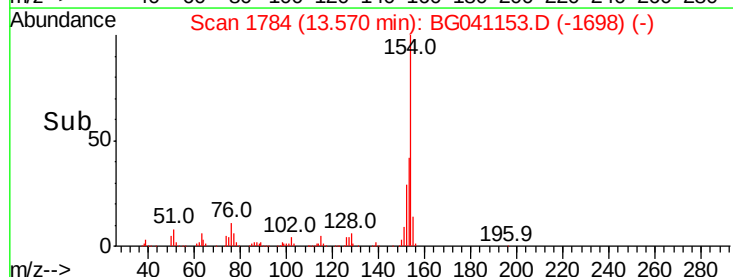
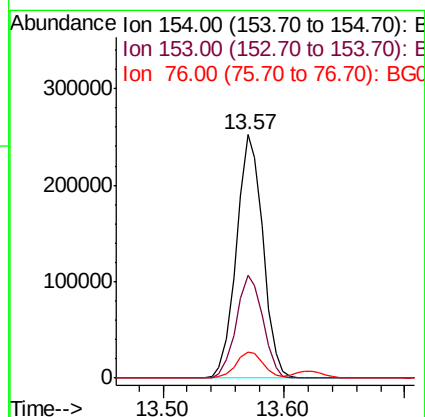
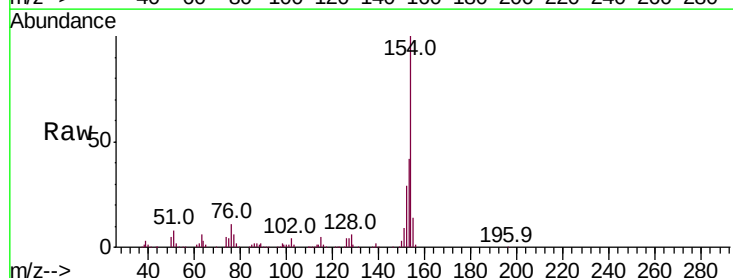
Instrument :
BNA_G
ClientSampleId :
SOILBS02

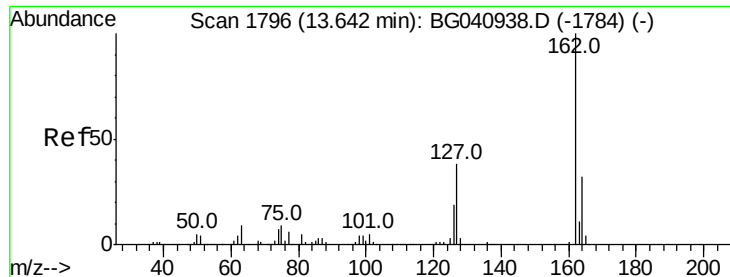
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.1	46.7
170	25.3	20.5	30.7



#46
1,1'-Biphenyl
Concen: 46.843 ng
RT: 13.57 min Scan# 1784
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	23.3	63.3
76	10.6	0.0	31.1

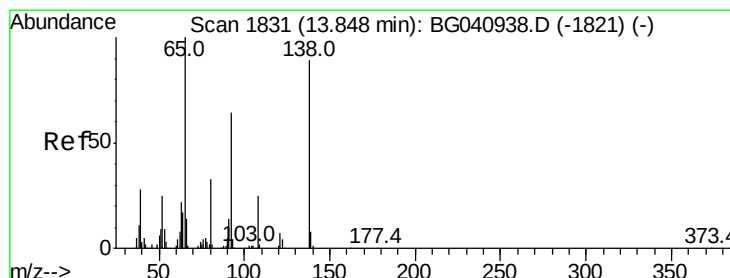
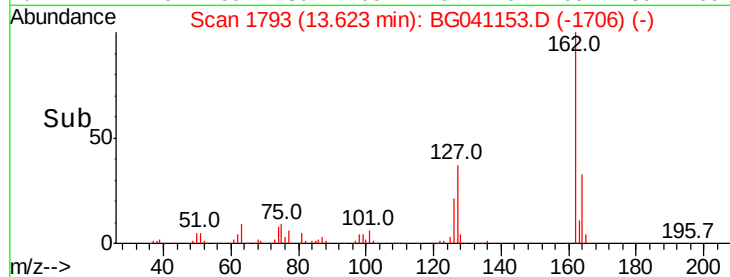
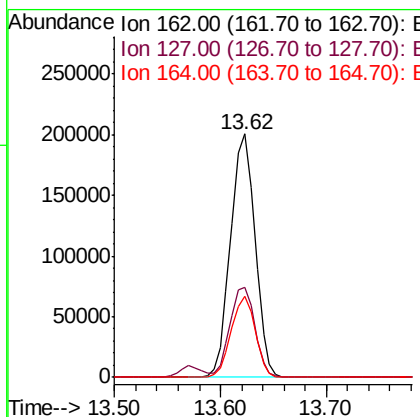
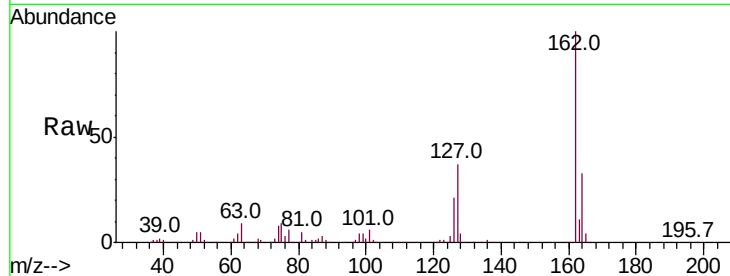




#47
2-Chloronaphthalene
Concen: 45.534 ng
RT: 13.62 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

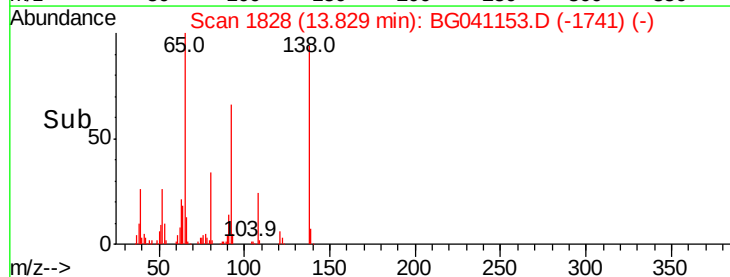
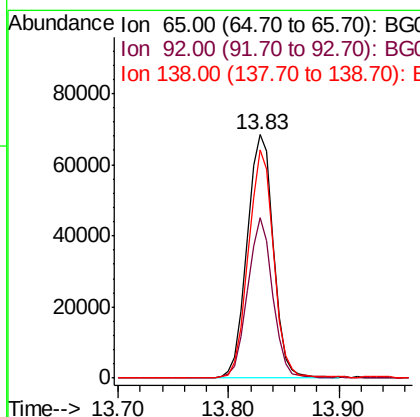
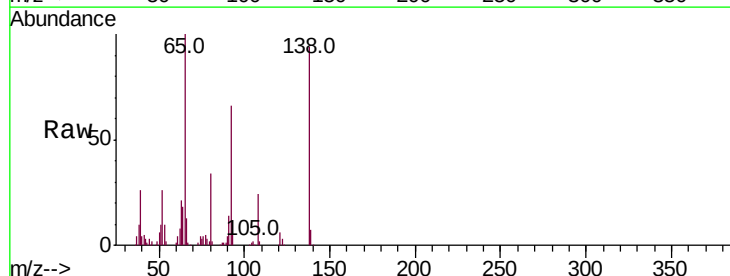
Instrument :
BNA_G
ClientSampleId :
SOILBS02

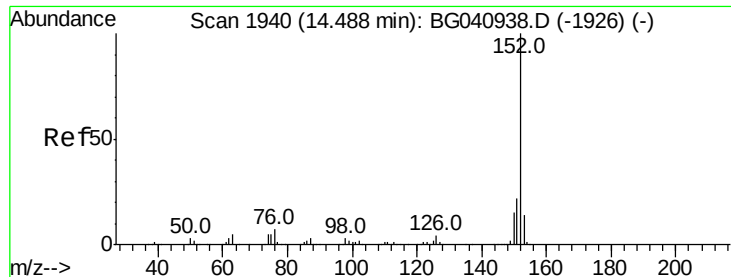
Tot Ion	Ratio	Lower	Upper
162	100		
127	37.2	30.5	45.7
164	33.3	25.8	38.6



#48
2-Nitroaniline
Concen: 45.409 ng
RT: 13.83 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.7	51.0	76.6
138	93.8	71.2	106.8





#49

Acenaphthylene

Concen: 47.386 ng

RT: 14.46 min Scan# 1936

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

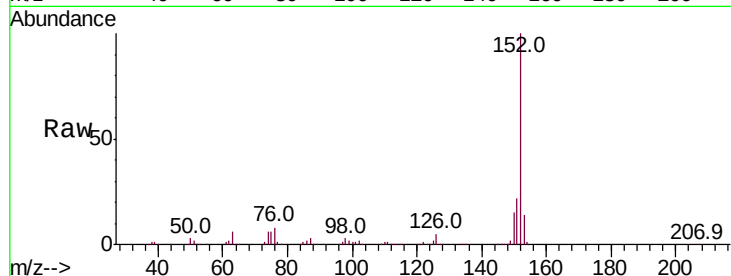
Tot Ion:152 Resp: 503577

Ion Ratio Lower Upper

152 100

151 21.7 17.4 26.0

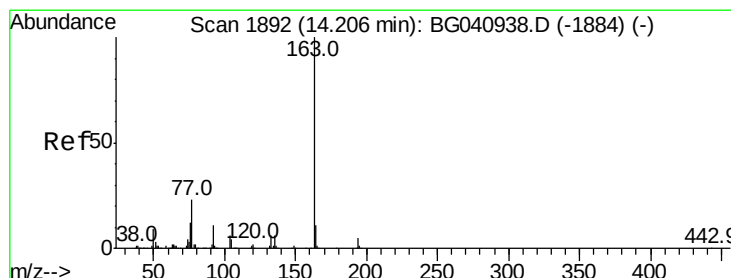
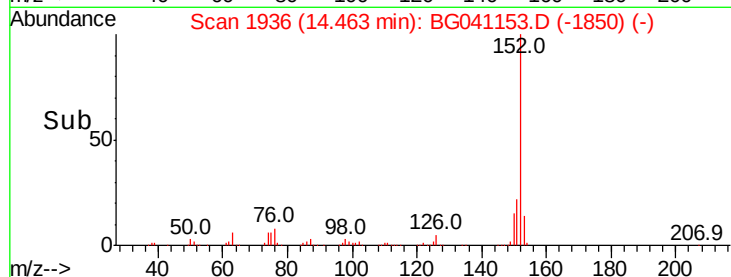
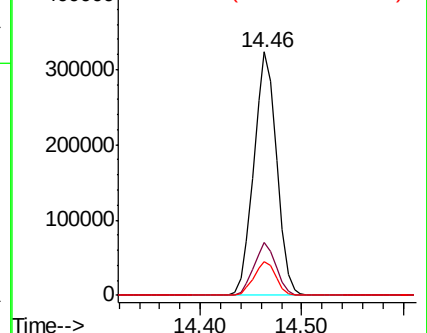
153 14.0 11.0 16.4



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: 44.456 ng

RT: 14.19 min Scan# 1889

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

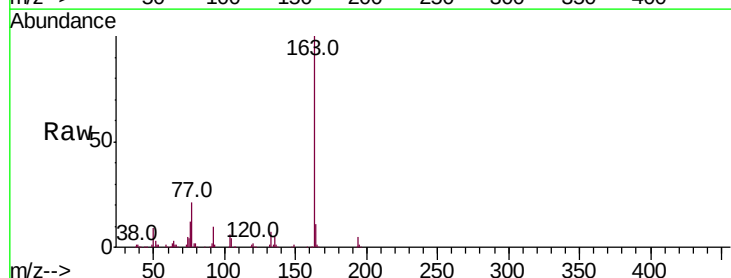
Tgt Ion:163 Resp: 418140

Ion Ratio Lower Upper

163 100

194 5.0 3.8 5.8

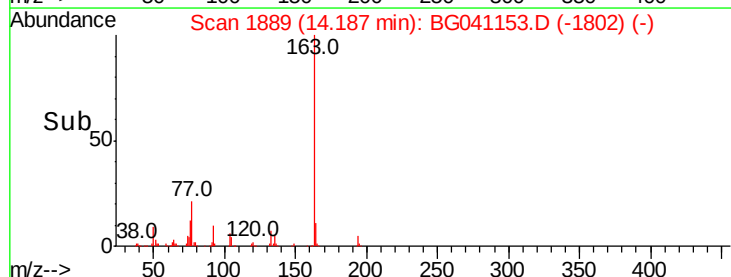
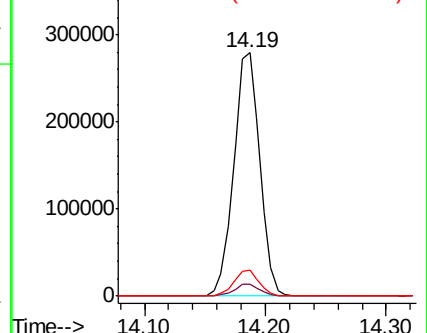
164 10.6 8.7 13.1

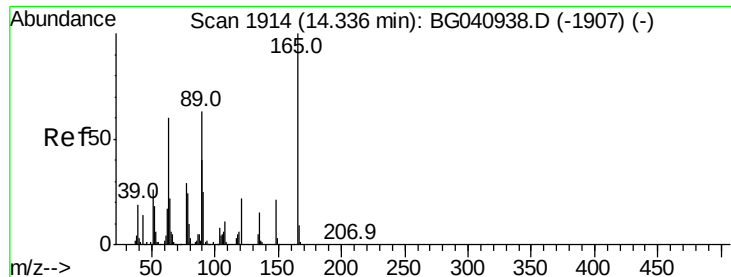


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

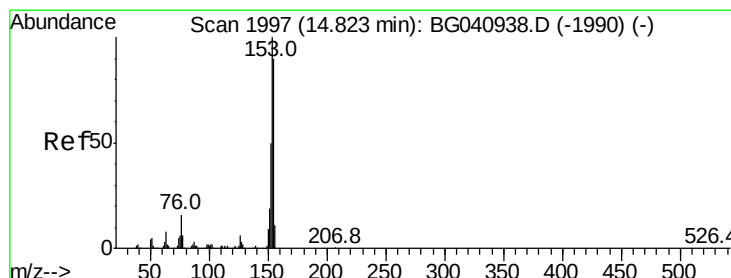
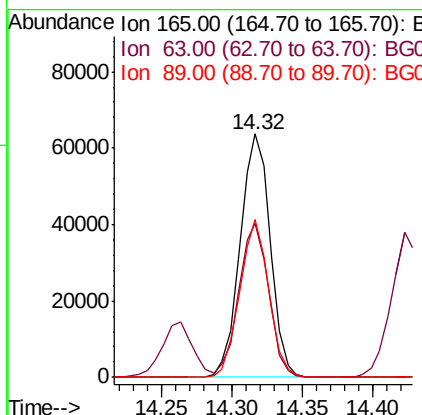
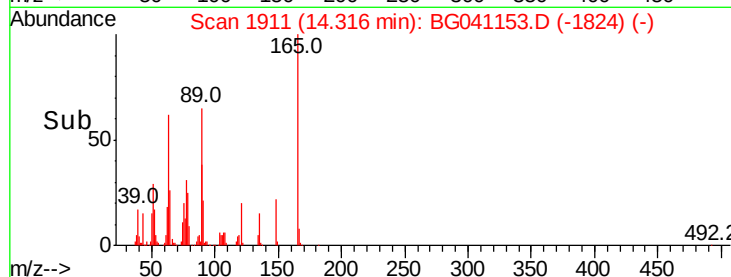
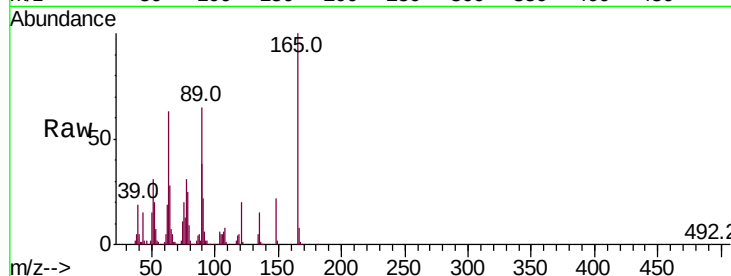




#51
 2,6-Dinitrotoluene
 Concen: 46.806 ng
 RT: 14.32 min Scan# 1911
 Delta R.T. -0.02 min
 Lab File: BG041153.D
 Acq: 9 Jun 2019 4:48

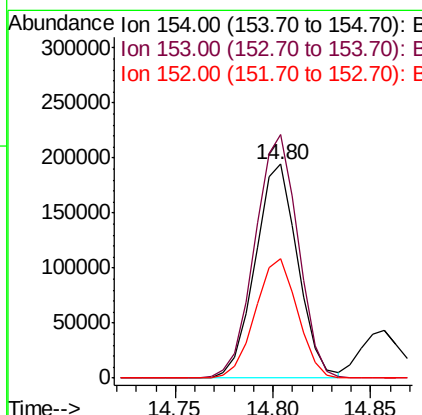
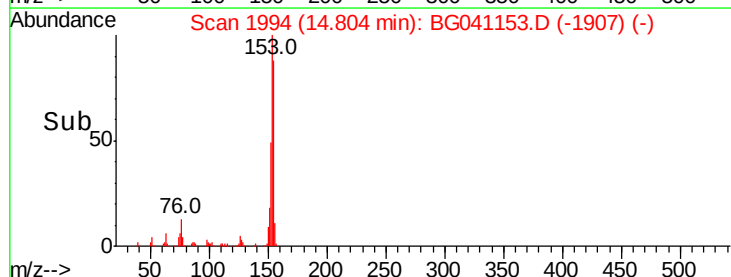
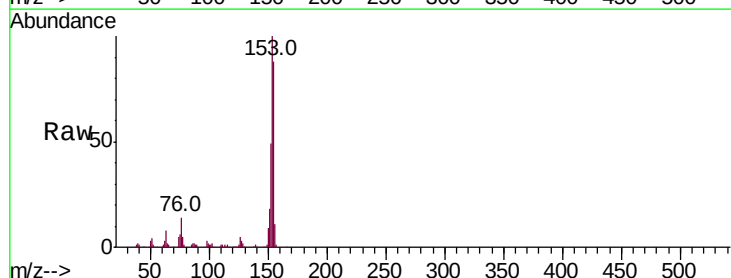
Instrument :
 BNA_G
 ClientSampleId :
 SOILBS02

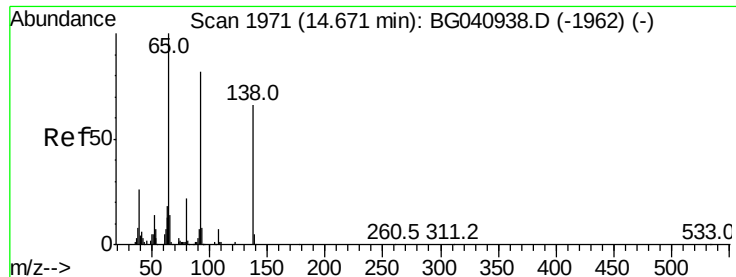
Tot Ion:165 Resp: 94921
 Ion Ratio Lower Upper
 165 100
 63 63.5 53.6 80.4
 89 65.1 50.4 75.6



#52
 Acenaphthene
 Concen: 45.525 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BG041153.D
 Acq: 9 Jun 2019 4:48

Tgt Ion:154 Resp: 293083
 Ion Ratio Lower Upper
 154 100
 153 113.7 88.6 133.0
 152 55.9 44.2 66.4





#53

3-Nitroaniline

Concen: 32.750 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

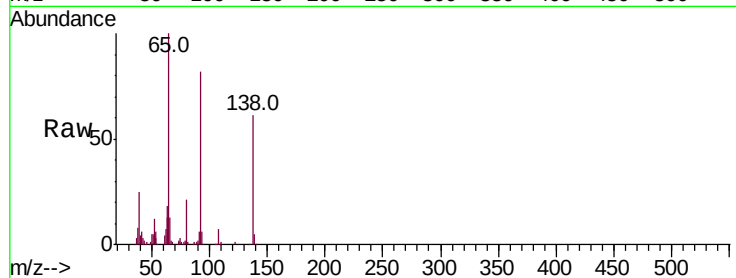
Tot Ion:138 Resp: 66413

Ion Ratio Lower Upper

138 100

108 11.6 8.5 12.7

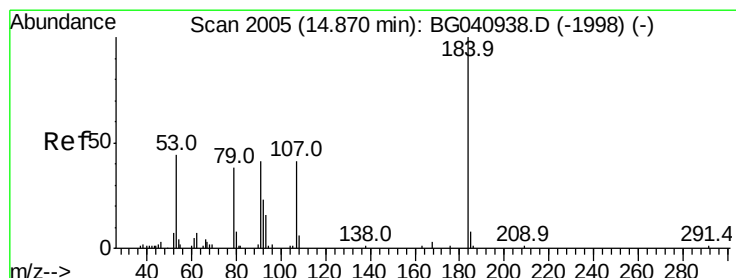
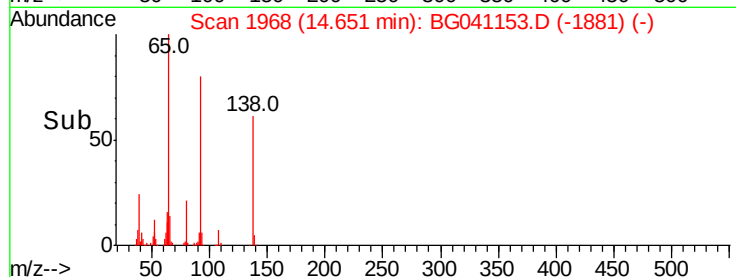
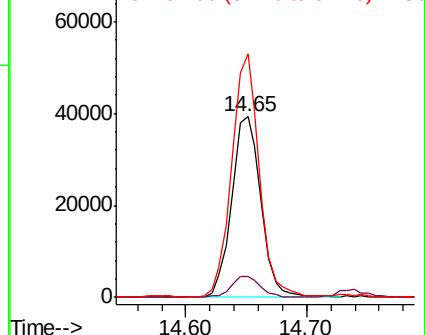
92 134.8 99.0 148.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 94.183 ng

RT: 14.86 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

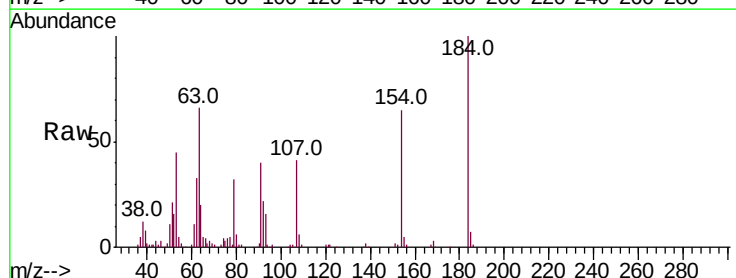
Tgt Ion:184 Resp: 107131

Ion Ratio Lower Upper

184 100

63 65.6 49.8 74.6

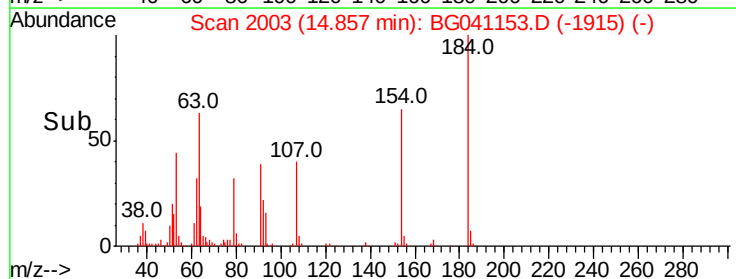
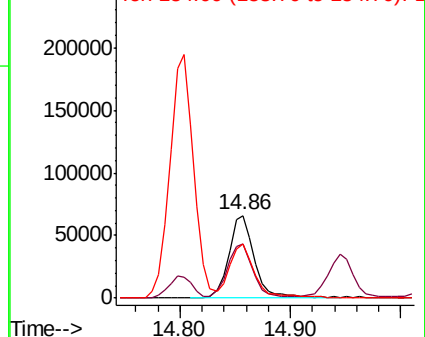
154 65.1 52.2 78.4

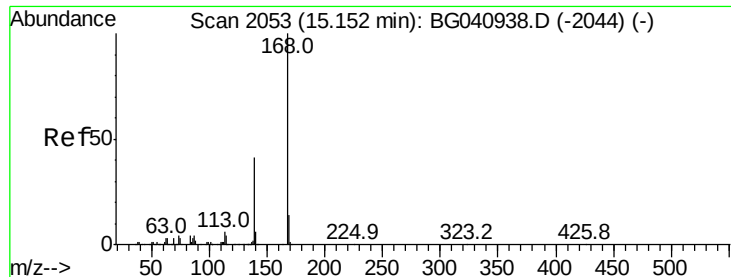


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 47.873 ng

RT: 15.13 min Scan# 2050

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

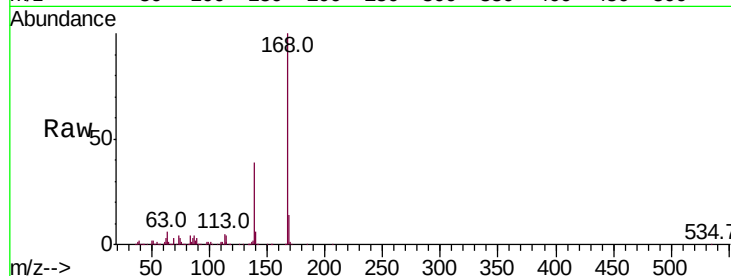
Tot Ion:168 Resp: 518583

Ion Ratio Lower Upper

168 100

139 39.2 32.8 49.2

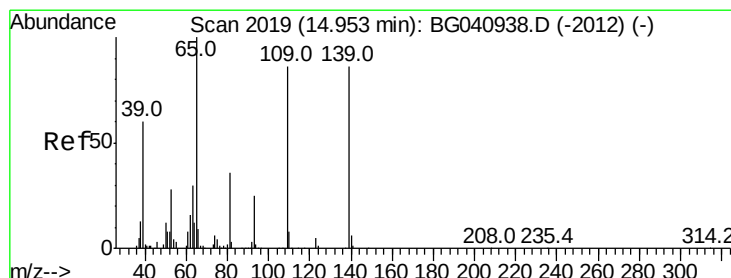
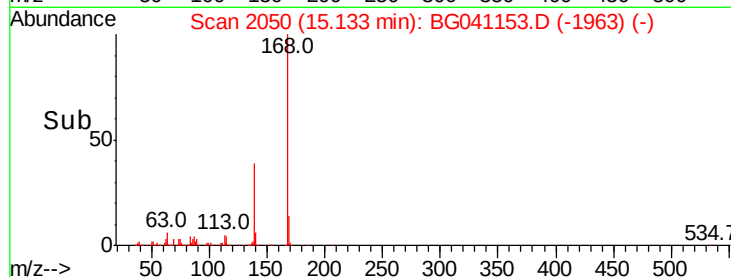
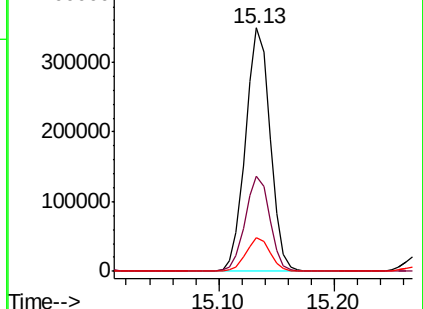
169 13.8 11.3 16.9



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: 103.718 ng

RT: 14.94 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

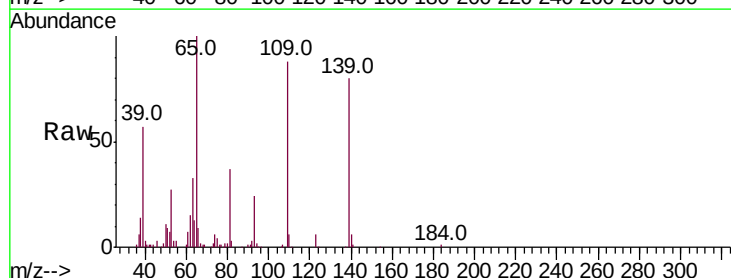
Tgt Ion:139 Resp: 144266

Ion Ratio Lower Upper

139 100

109 109.5 79.6 119.6

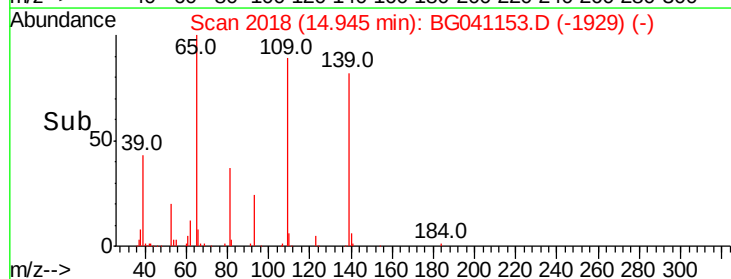
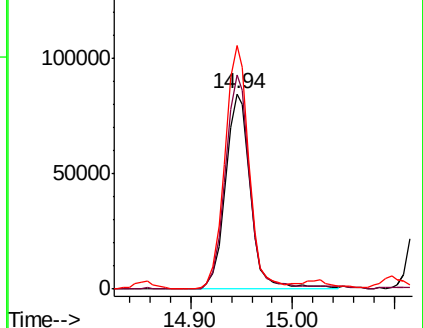
65 124.5 96.9 136.9

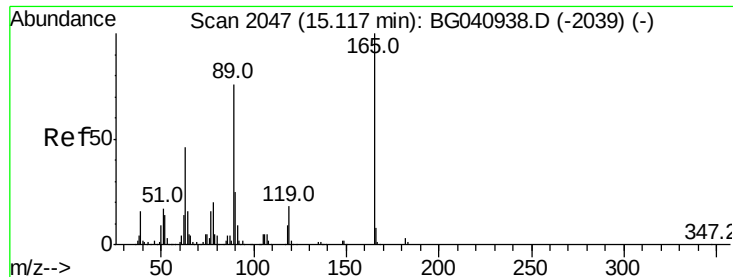


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

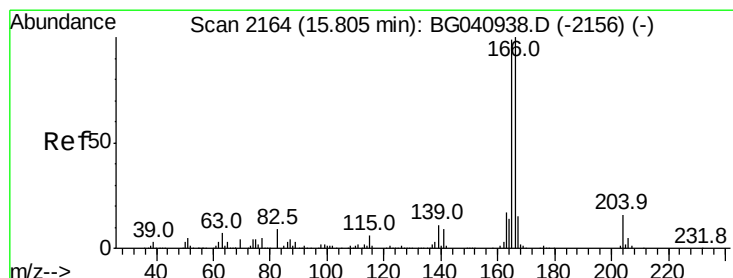
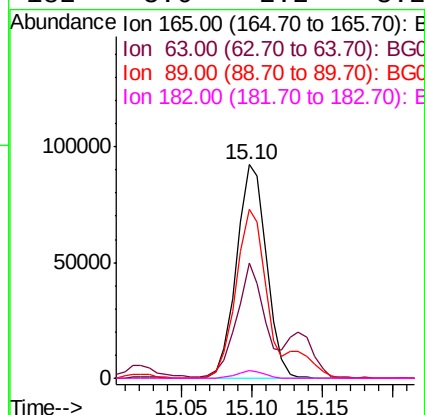
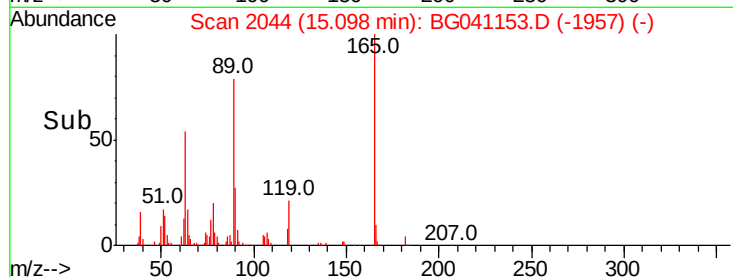
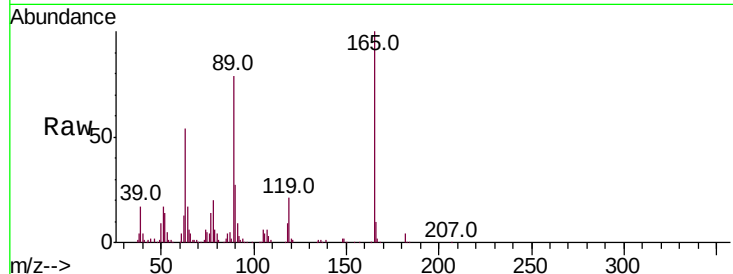




#57
2,4-Dinitrotoluene
Concen: 47.775 ng
RT: 15.10 min Scan# 2044
Delta R.T. -0.02 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

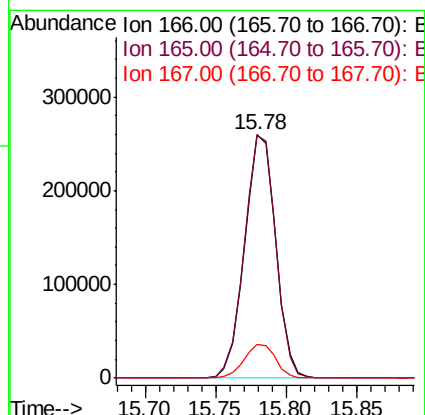
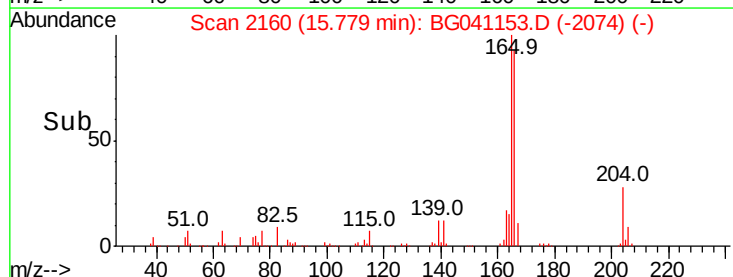
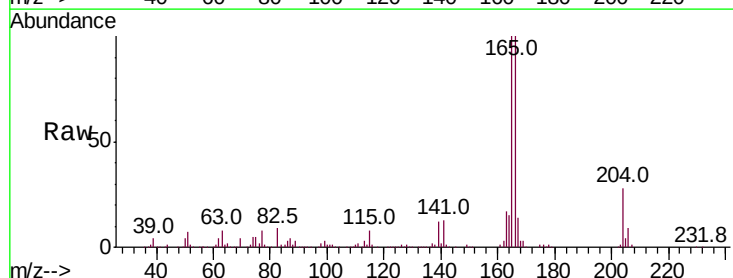
Instrument :
BNA_G
ClientSampleId :
SOILBS02

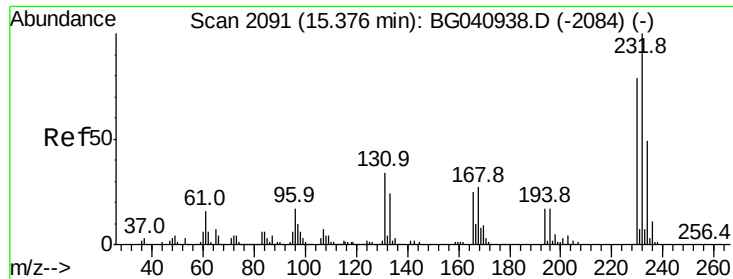
Tot Ion:165 Resp: 136859
Ion Ratio Lower Upper
165 100
63 53.8 37.3 55.9
89 79.1 61.0 91.6
182 3.6 2.2 3.2#



#58
Fluorene
Concen: 46.393 ng
RT: 15.78 min Scan# 2160
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion:166 Resp: 400229
Ion Ratio Lower Upper
166 100
165 99.7 79.2 118.8
167 14.0 11.8 17.6

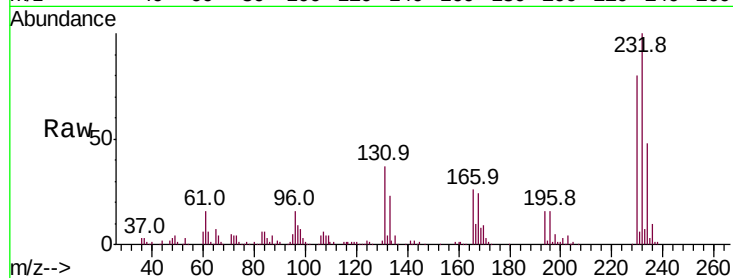




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.508 ng
 RT: 15.36 min Scan# 2088
 Delta R.T. -0.02 min
 Lab File: BG041153.D
 Acq: 9 Jun 2019 4:48

Instrument :
 BNA_G
 ClientSampled :
 SOILBS02

Tot Ion	Ratio	Lower	Upper
232	100		
131	37.8	30.3	45.5
130	2.2	1.8	2.8
166	26.7	21.3	31.9



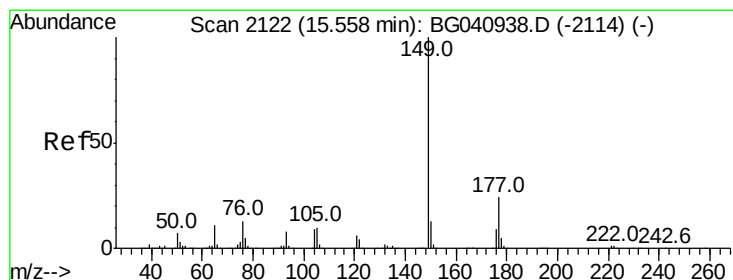
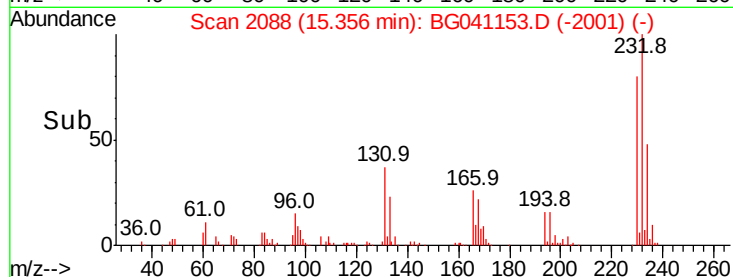
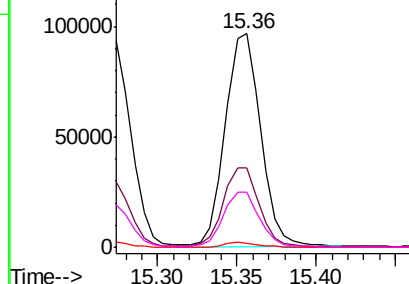
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

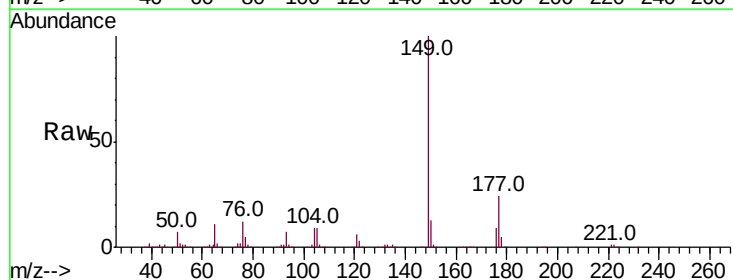
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 44.734 ng
 RT: 15.54 min Scan# 2119
 Delta R.T. -0.02 min
 Lab File: BG041153.D
 Acq: 9 Jun 2019 4:48

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.4	29.0
150	13.0	10.3	15.5

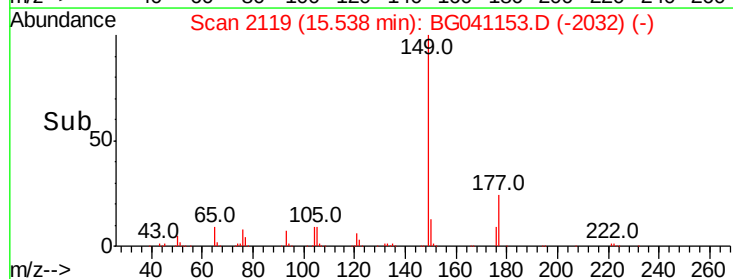
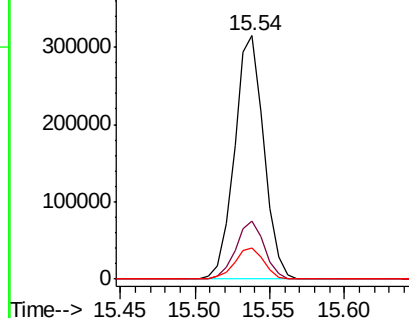


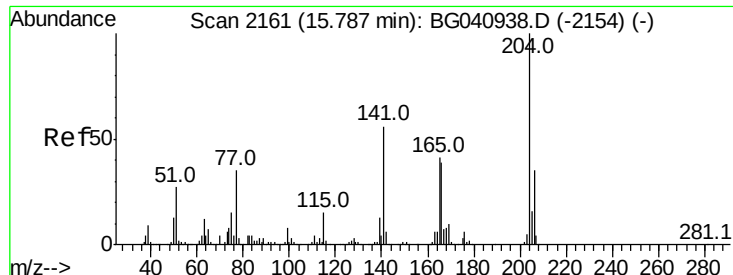
Abundance

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

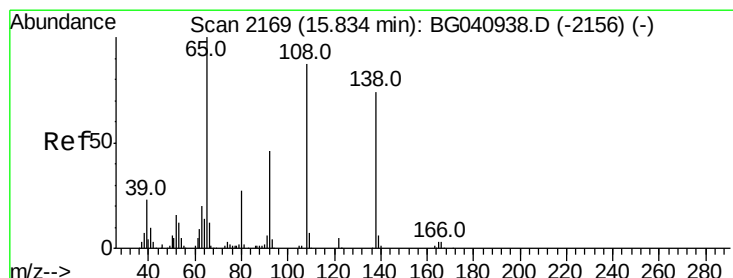
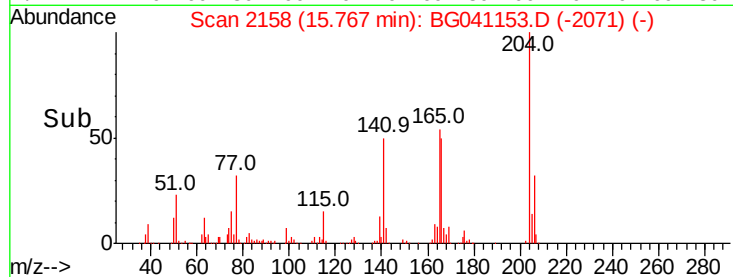
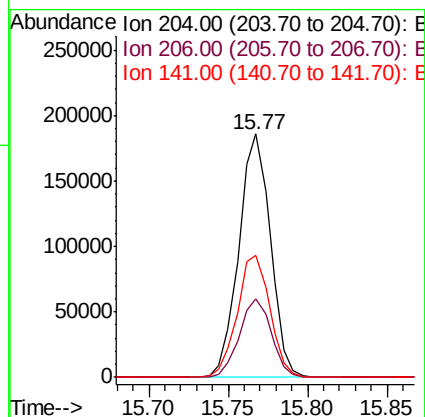
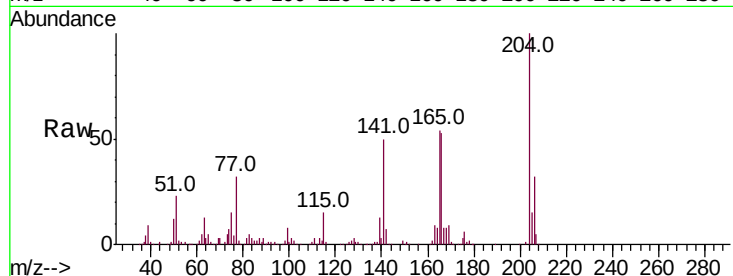




#61
4-Chlorophenyl-phenylether
Concen: 45.683 ng
RT: 15.77 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

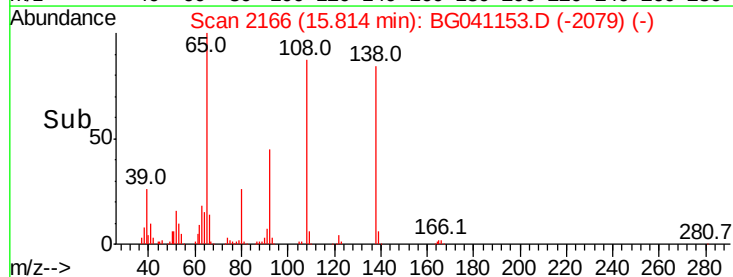
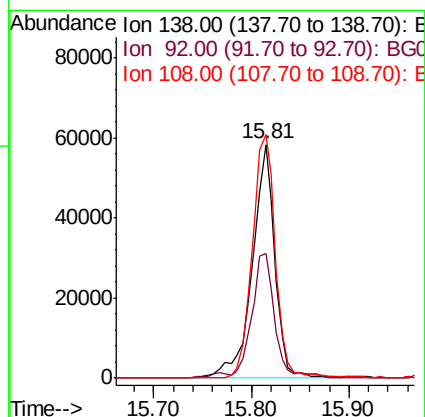
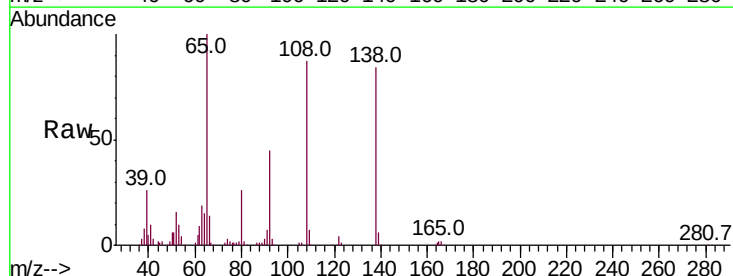
Instrument :
BNA_G
ClientSampled :
SOILBS02

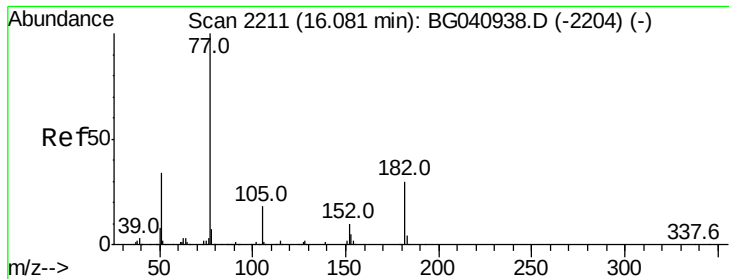
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.2	27.6	41.4
141	50.4	45.1	67.7



#62
4-Nitroaniline
Concen: 44.475 ng
RT: 15.81 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.4	42.4	82.4
108	104.1	96.9	136.9





#63

Azobenzene

Concen: 45.914 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

Tot Ion: 77 Resp: 400570

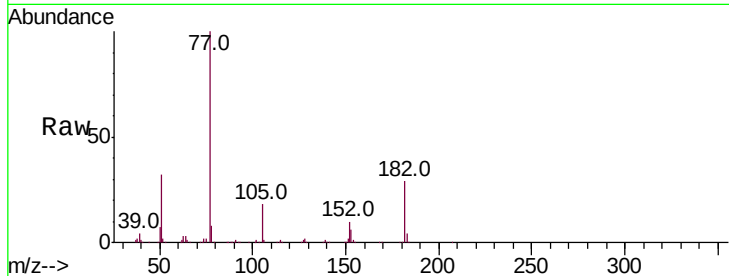
Ion Ratio Lower Upper

77 100

182 29.3 9.6 49.6

105 18.2 0.0 37.5

51 32.3 13.7 53.7

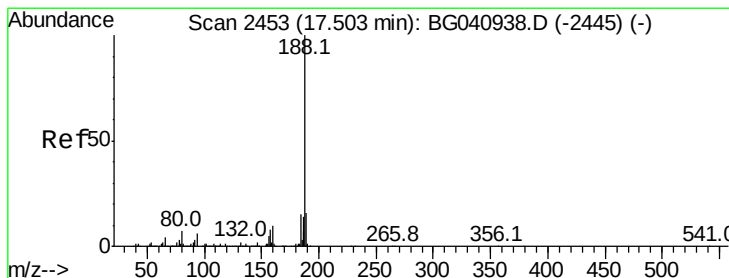
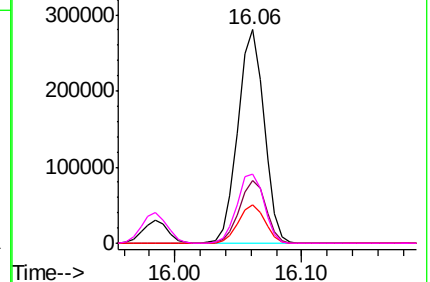
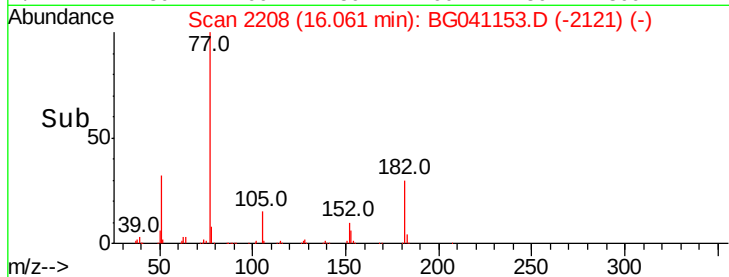


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: BG041153.D

Acq: 9 Jun 2019 4:48

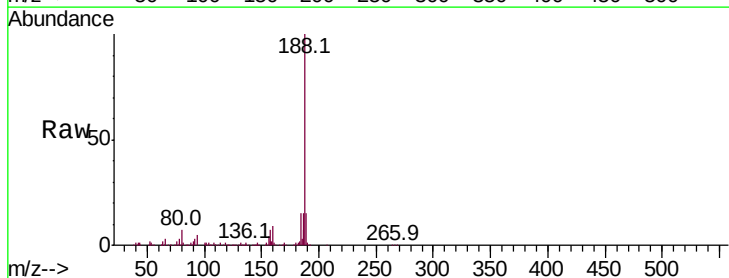
Tgt Ion: 188 Resp: 288124

Ion Ratio Lower Upper

188 100

94 5.4 4.7 7.1

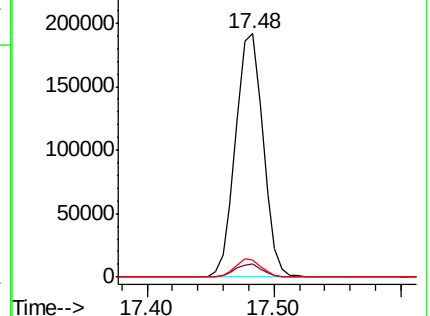
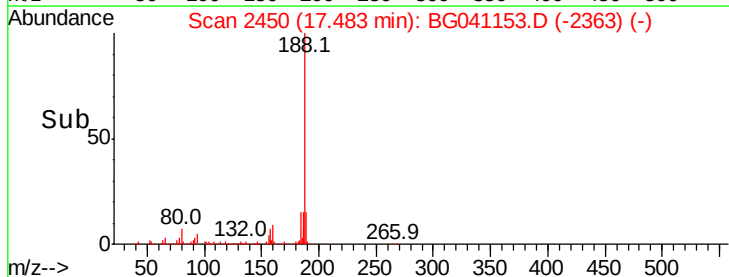
80 7.0 5.8 8.8

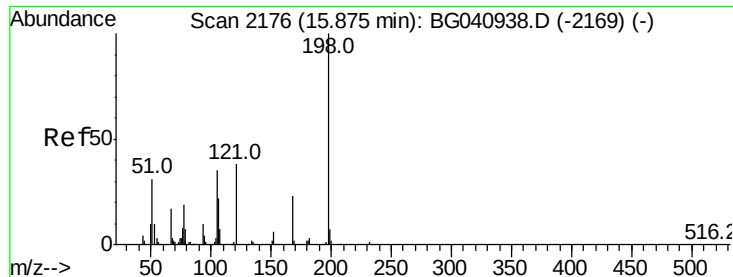


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 51.148 ng

RT: 15.86 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

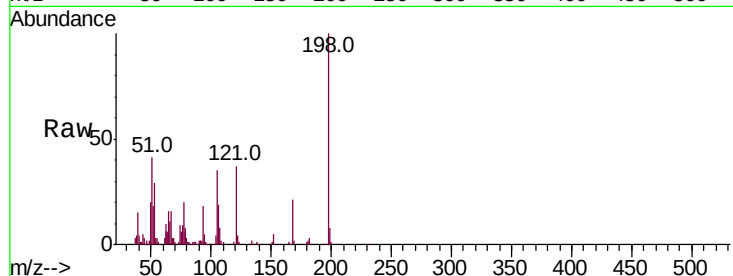
Tot Ion:198 Resp: 80028

Ion Ratio Lower Upper

198 100

51 41.1 21.6 61.6

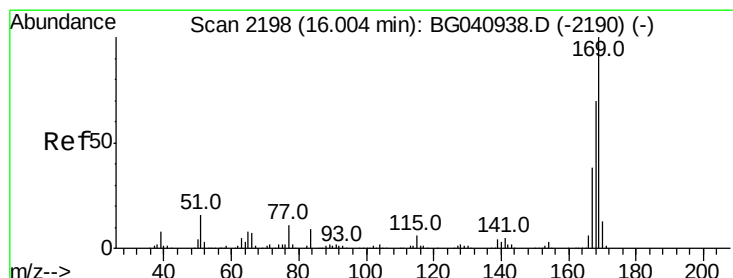
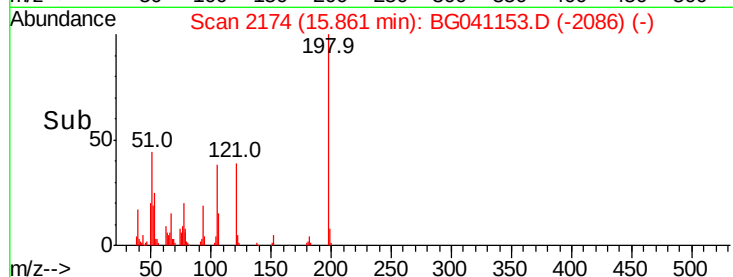
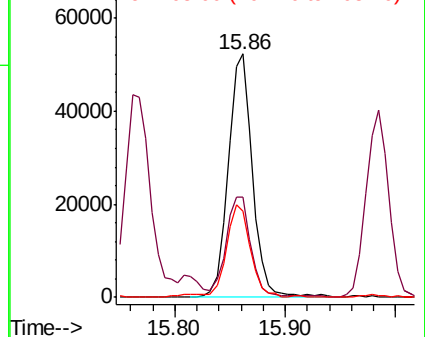
105 35.4 17.5 57.5



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: 45.474 ng

RT: 15.98 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

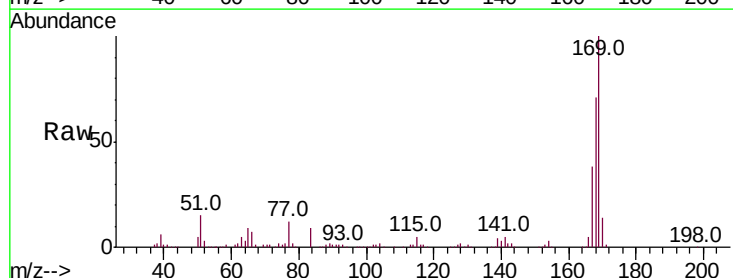
Tgt Ion:169 Resp: 368317

Ion Ratio Lower Upper

169 100

168 70.8 55.7 83.5

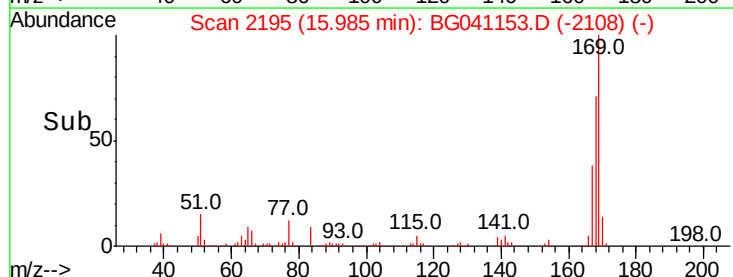
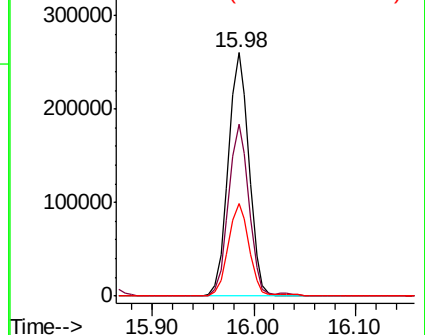
167 37.9 30.2 45.2

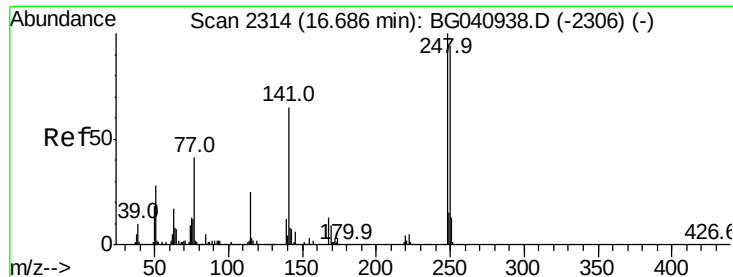


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 42.932 ng

RT: 16.66 min Scan# 2310

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

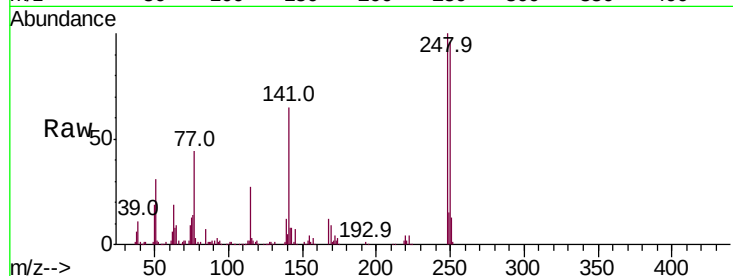
Tot Ion:248 Resp: 166935

Ion Ratio Lower Upper

248 100

250 96.1 75.0 112.4

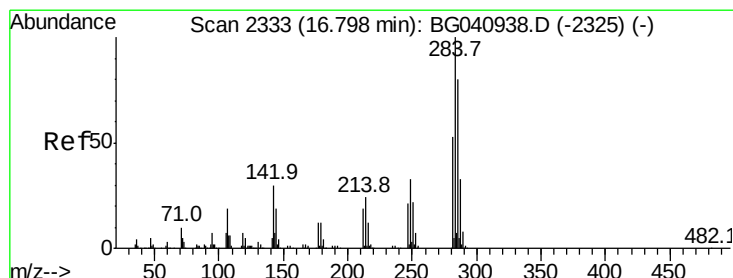
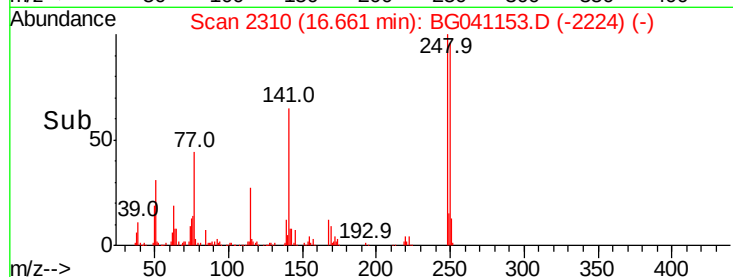
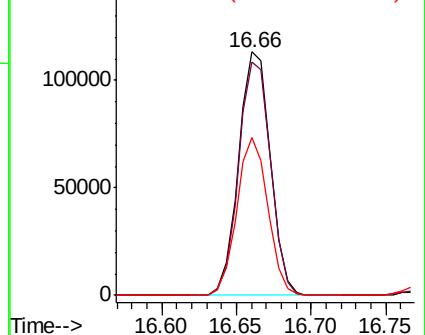
141 64.7 52.4 78.6



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 42.043 ng

RT: 16.77 min Scan# 2329

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

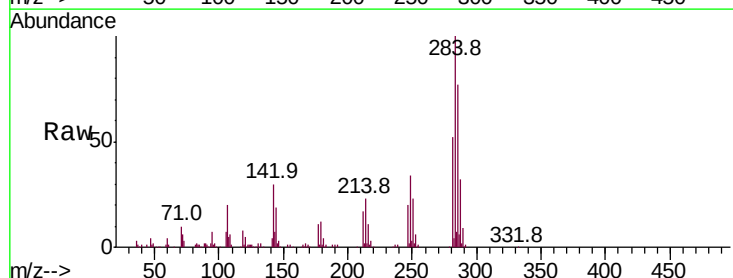
Tgt Ion:284 Resp: 174079

Ion Ratio Lower Upper

284 100

142 29.8 23.9 35.9

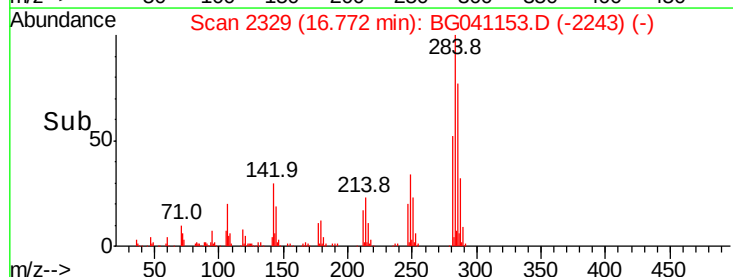
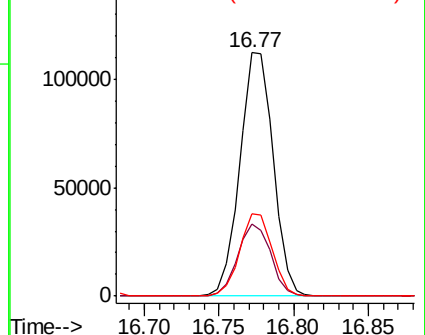
249 33.6 26.8 40.2

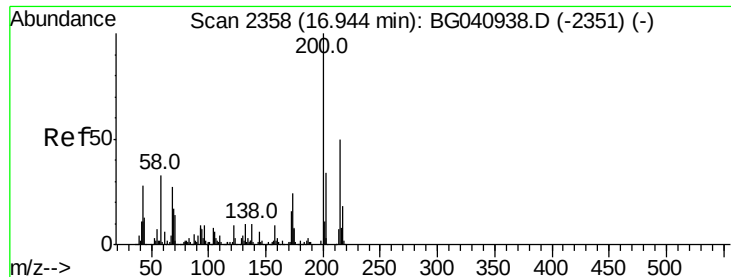


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 50.468 ng

RT: 16.92 min Scan# 2355

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

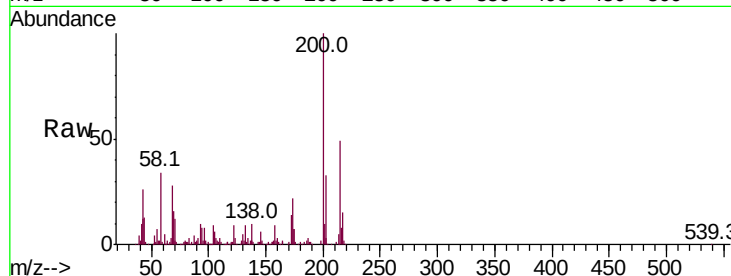
Tot Ion:200 Resp: 157724

Ion Ratio Lower Upper

200 100

173 22.1 3.6 43.6

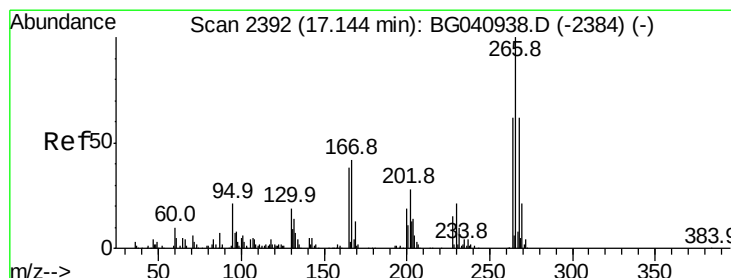
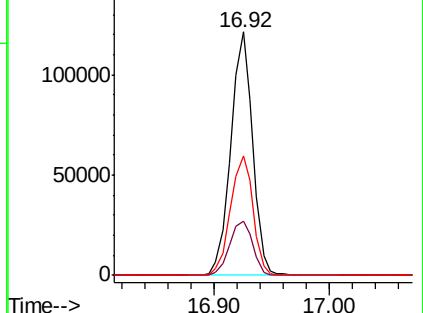
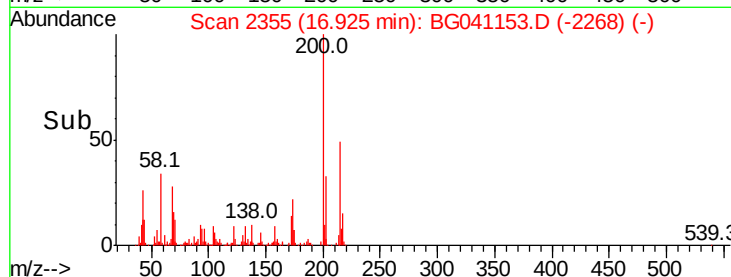
215 49.1 29.6 69.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 91.535 ng

RT: 17.12 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

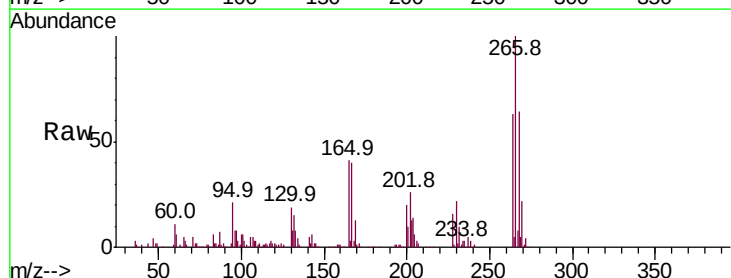
Tgt Ion:266 Resp: 204466

Ion Ratio Lower Upper

266 100

268 63.9 53.1 79.7

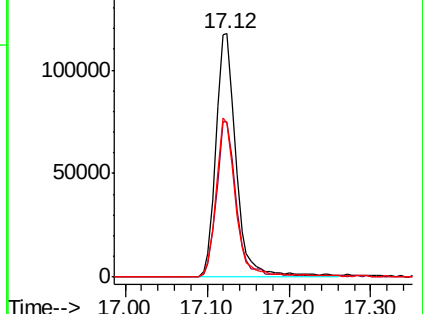
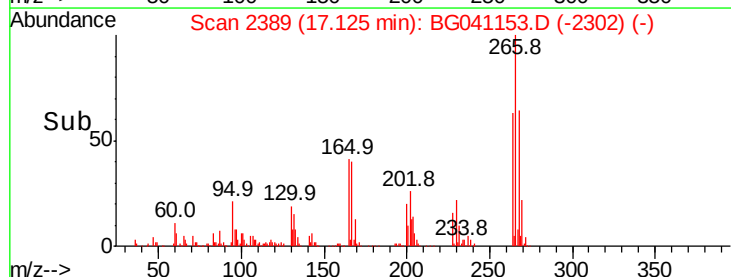
264 63.3 49.9 74.9

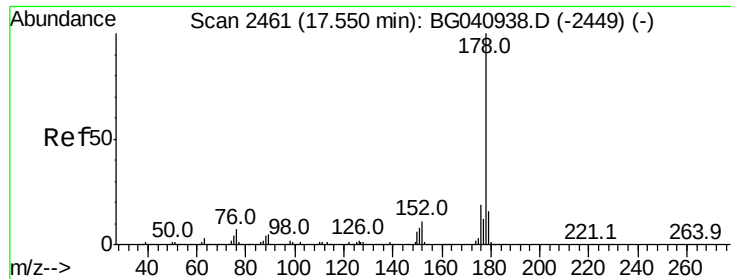


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

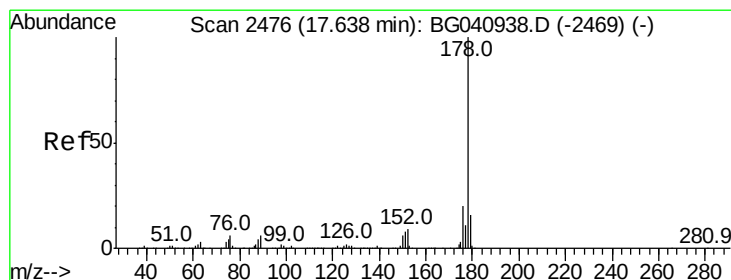
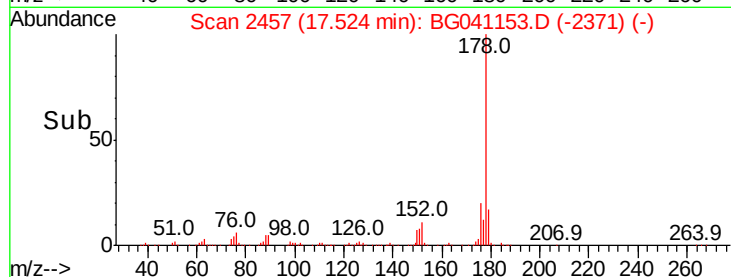
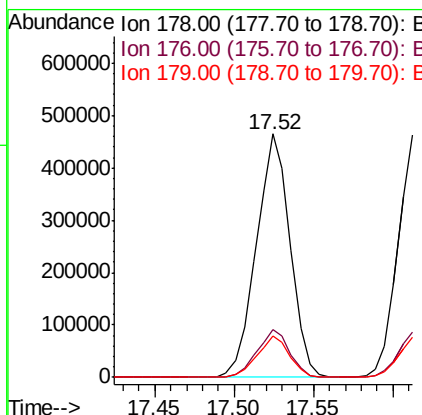
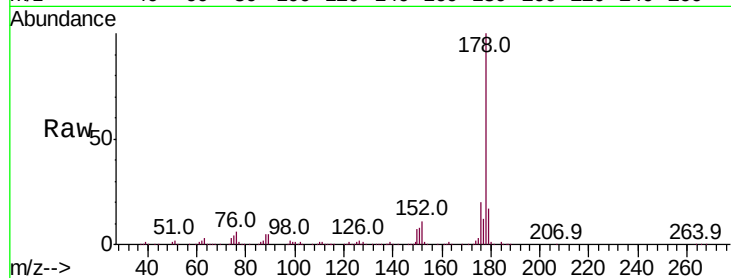




#71
Phenanthrene
Concen: 45.764 ng
RT: 17.52 min Scan# 2457
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

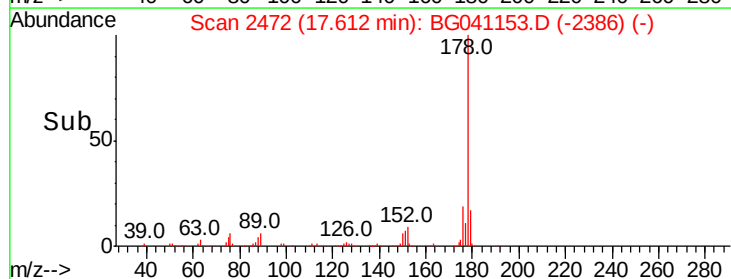
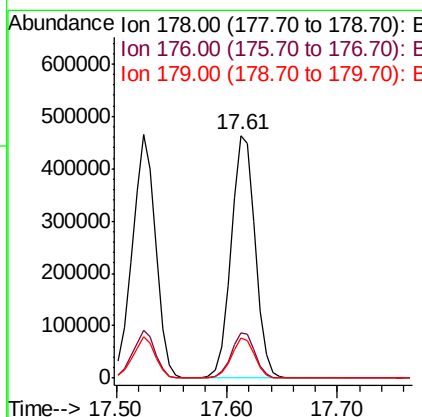
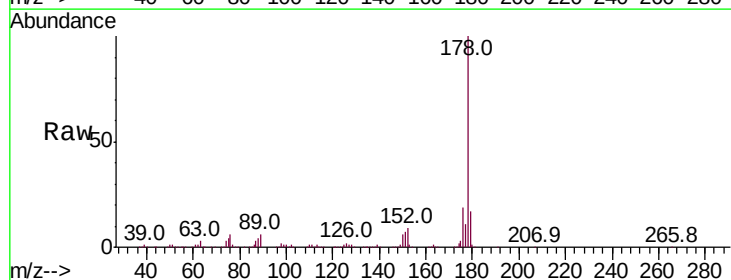
Instrument :
BNA_G
ClientSampleId :
SOILBS02

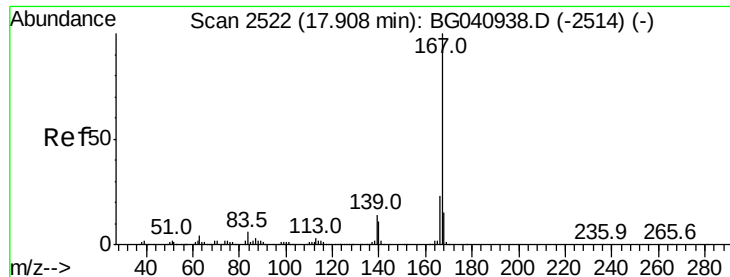
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	17.1	12.7	19.1



#72
Anthracene
Concen: 47.675 ng
RT: 17.61 min Scan# 2472
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	16.8	13.0	19.4

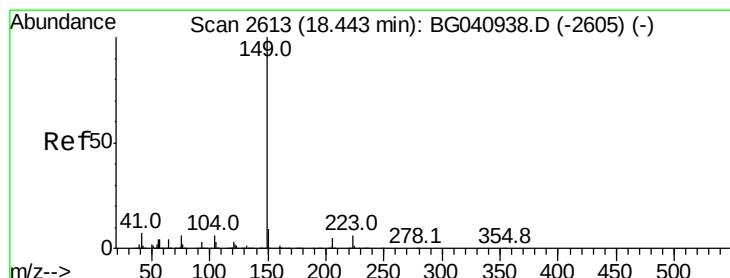
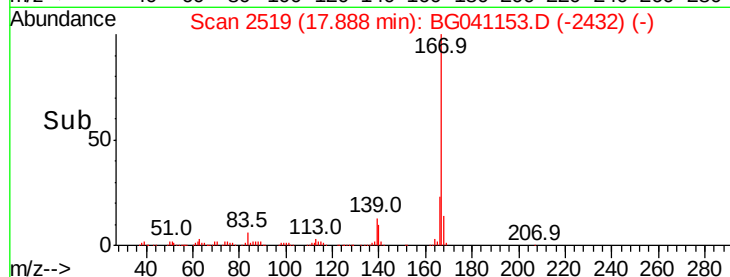
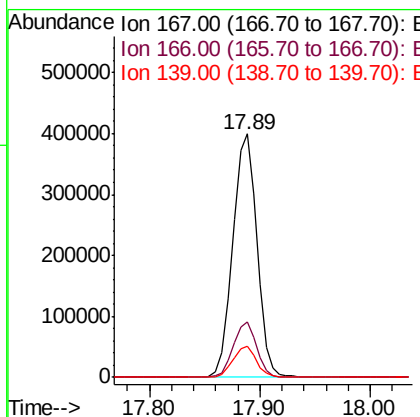
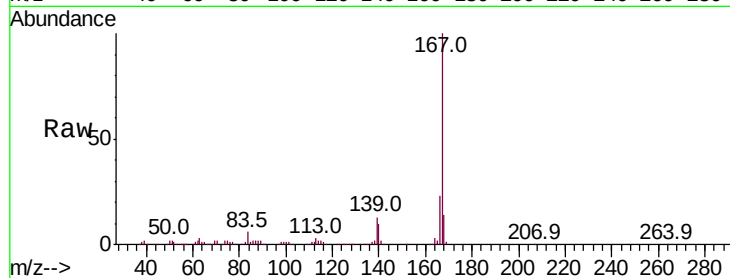




#73
 Carbazole
 Concen: 48.487 ng
 RT: 17.89 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BG041153.D
 Acq: 9 Jun 2019 4:48

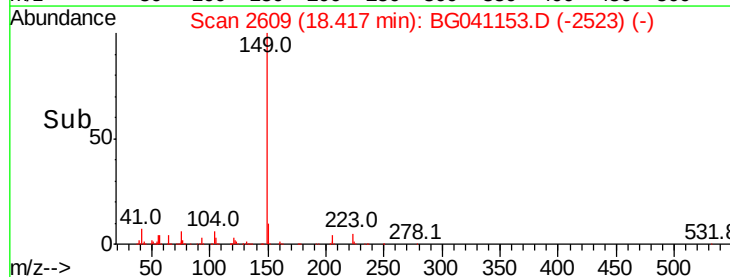
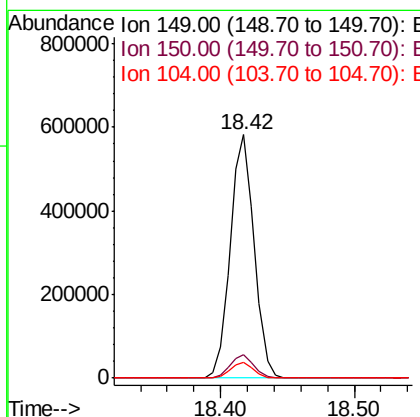
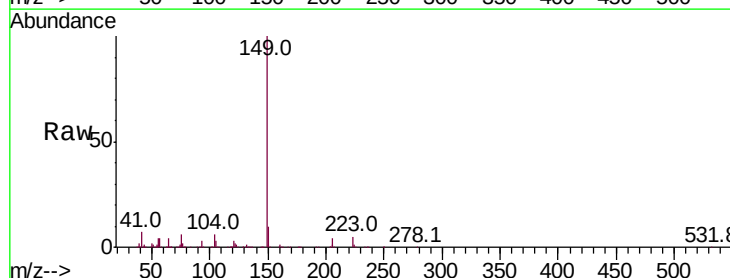
Instrument :
 BNA_G
 ClientSampleId :
 SOILBS02

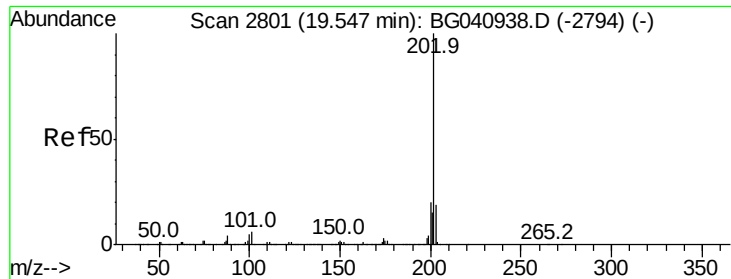
Tot Ion:167 Resp: 615811
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.2 27.4
 139 13.0 10.8 16.2



#74
 Di-n-butylphthalate
 Concen: 46.080 ng
 RT: 18.42 min Scan# 2609
 Delta R.T. -0.03 min
 Lab File: BG041153.D
 Acq: 9 Jun 2019 4:48

Tgt Ion:149 Resp: 727391
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.4 11.2
 104 6.4 5.0 7.4





#75

Fluoranthene

Concen: 47.466 ng

RT: 19.53 min Scan# 2798

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

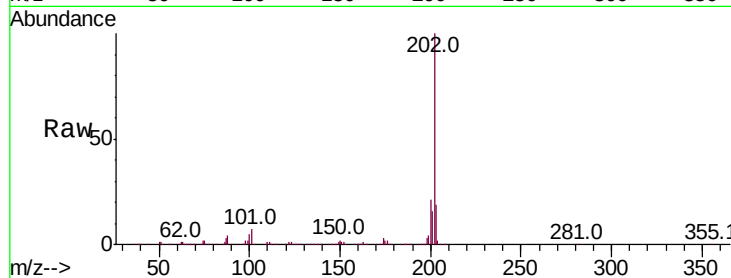
Tot Ion:202 Resp: 879893

Ion Ratio Lower Upper

202 100

101 6.6 0.0 26.2

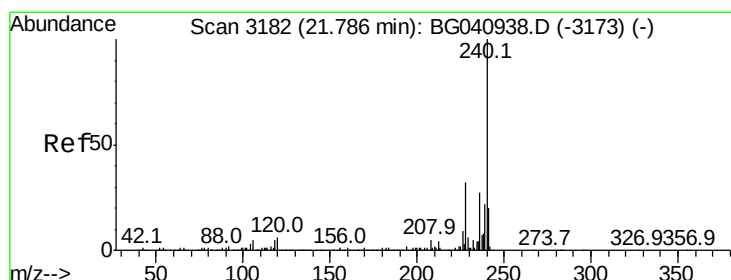
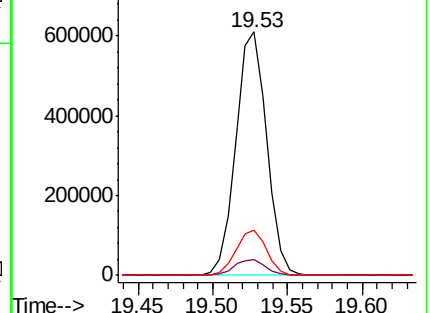
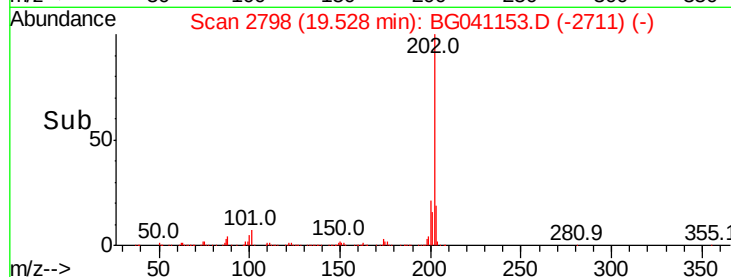
203 18.5 0.0 38.7



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: 21.76 min Scan# 3178

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

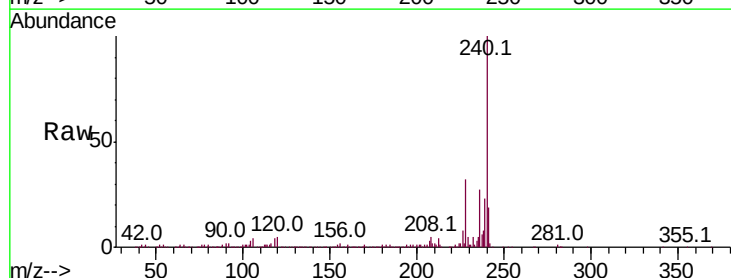
Tgt Ion:240 Resp: 290472

Ion Ratio Lower Upper

240 100

120 5.0 4.5 6.7

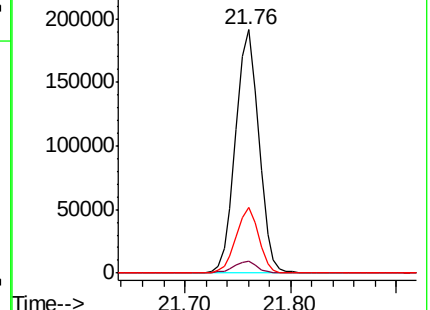
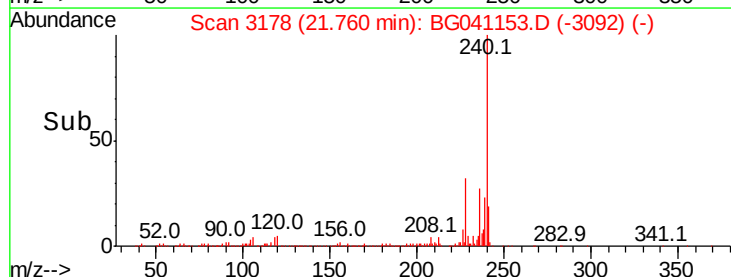
236 27.2 21.3 31.9

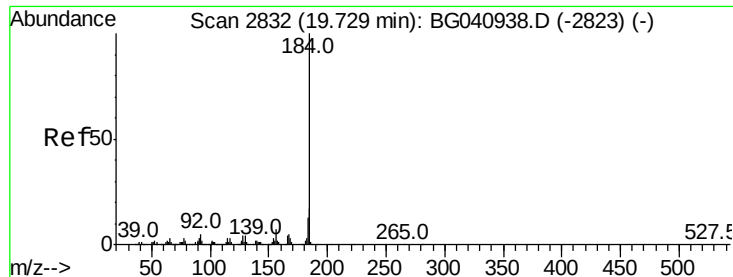


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 39.822 ng

RT: 19.71 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

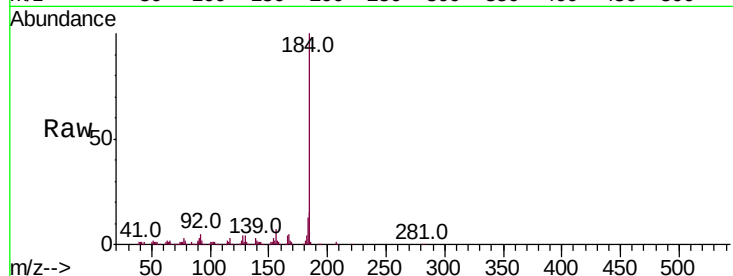
BNA_G

ClientSampleId :

SOILBS02

Tot Ion:184 Resp: 275942

Ion	Ratio	Lower	Upper
184	100		
185	14.7	13.3	19.9
183	12.8	10.7	16.1

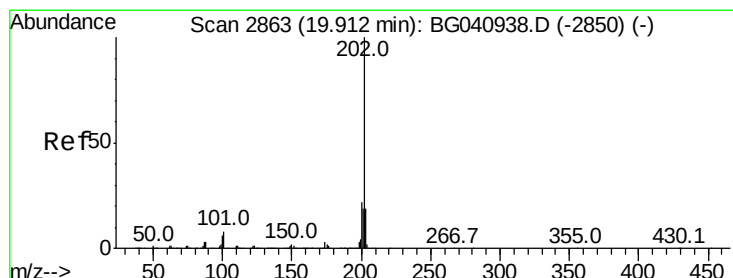
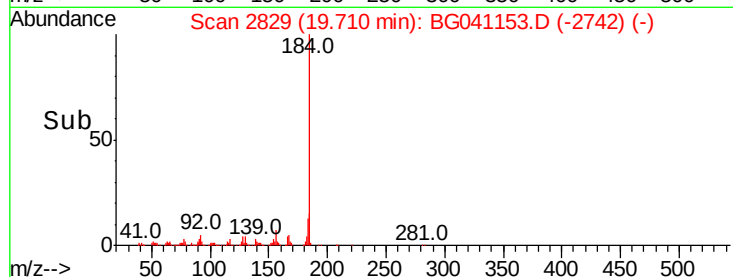
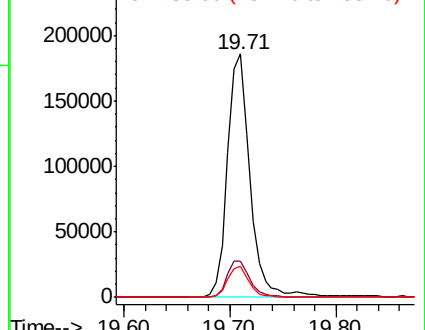


Abundance

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: 47.006 ng

RT: 19.89 min Scan# 2859

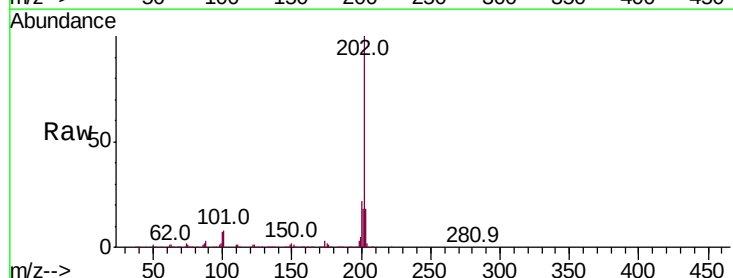
Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Tgt Ion:202 Resp: 887590

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.5	26.3
203	18.1	15.6	23.4

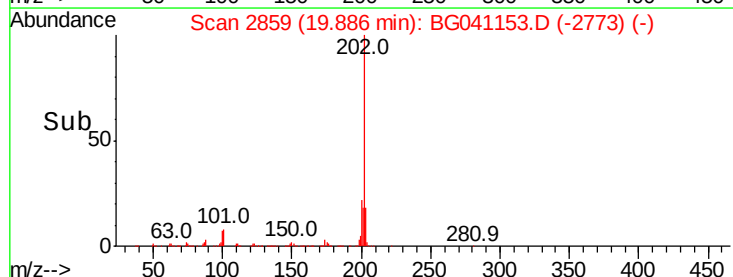
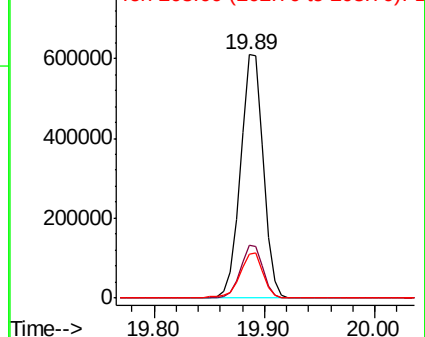


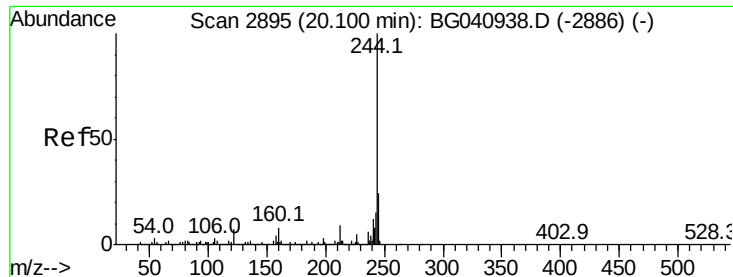
Abundance

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: 89.048 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

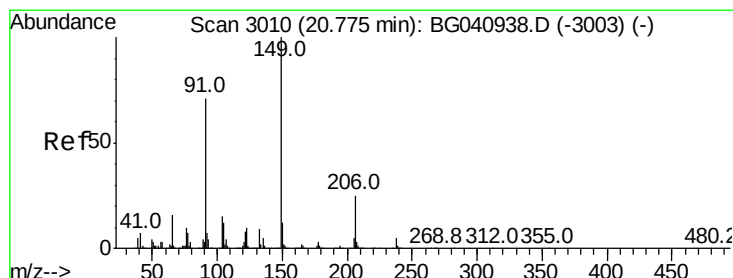
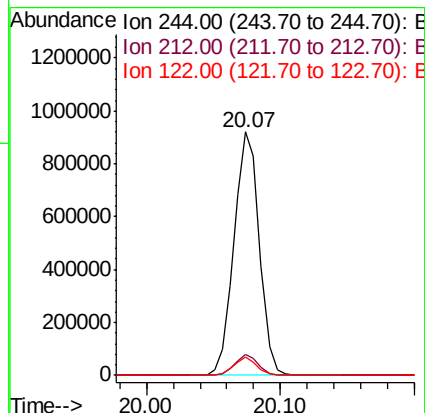
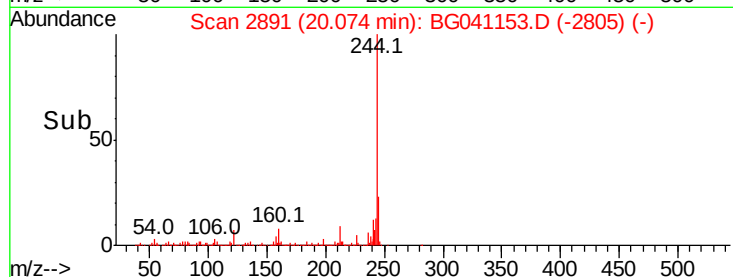
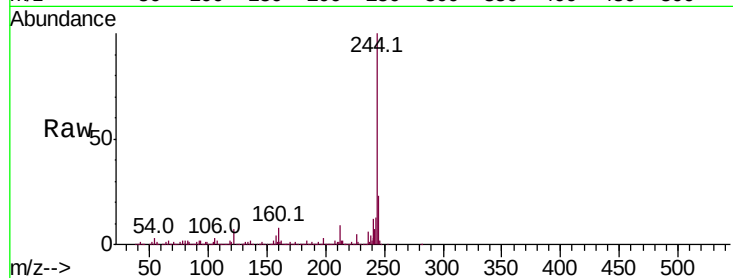
Tot Ion:244 Resp: 1218747

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.4

122 7.4 5.4 8.0



#80

Butylbenzylphthalate

Concen: 45.573 ng

RT: 20.76 min Scan# 3007

Delta R.T. -0.02 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

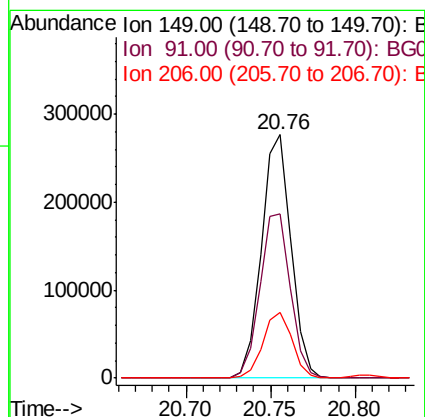
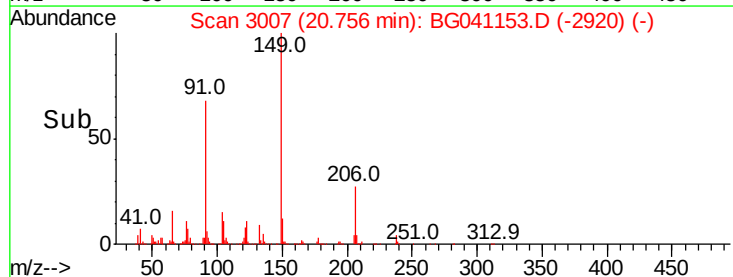
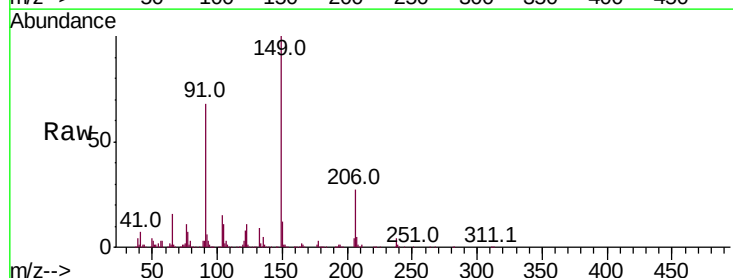
Tgt Ion:149 Resp: 334883

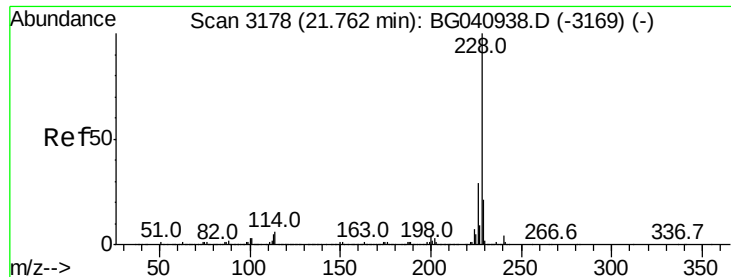
Ion Ratio Lower Upper

149 100

91 67.5 56.5 84.7

206 27.2 20.3 30.5

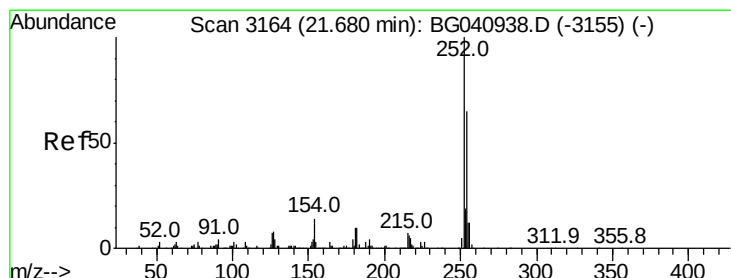
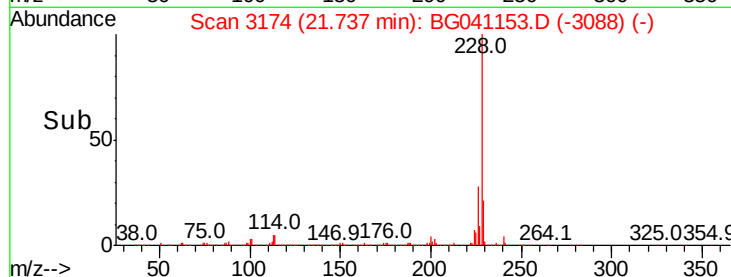
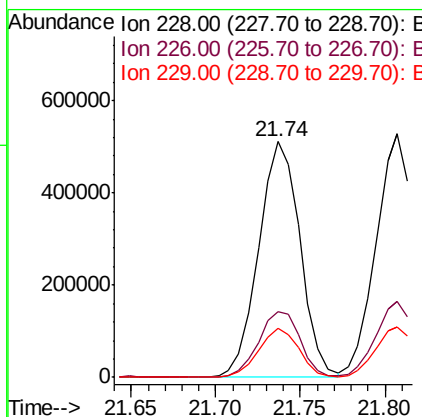
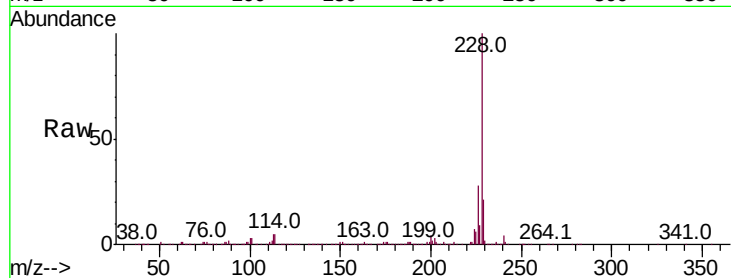




#81
Benzo(a)anthracene
Concen: 44.974 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

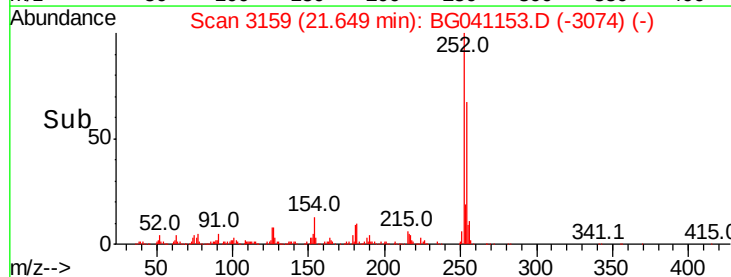
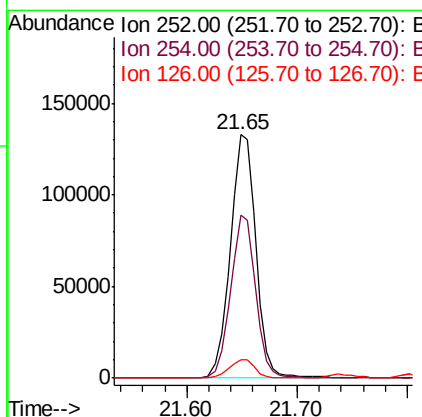
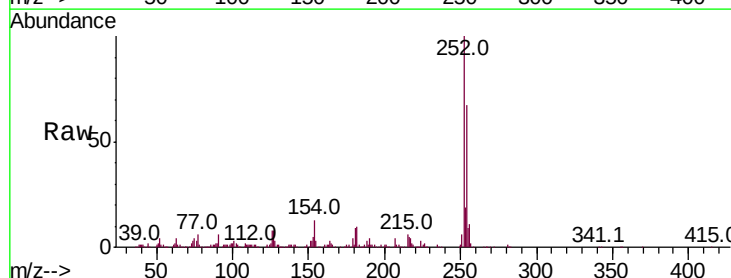
Instrument :
BNA_G
ClientSampleId :
SOILBS02

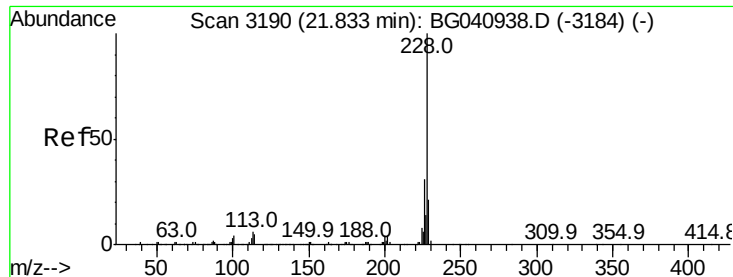
Tot Ion:228 Resp: 869592
Ion Ratio Lower Upper
228 100
226 27.8 23.5 35.3
229 20.7 16.7 25.1



#82
3,3'-Dichlorobenzidine
Concen: 31.779 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.03 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion:252 Resp: 216123
Ion Ratio Lower Upper
252 100
254 66.7 52.1 78.1
126 7.7 5.5 8.3





#83

Chrysene

Concen: 46.195 ng

RT: 21.81 min Scan# 3186

Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

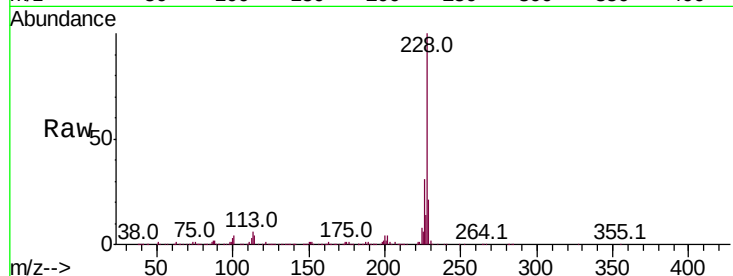
BNA_G

ClientSampleId :

SOILBS02

Tot Ion:228 Resp: 854765

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	20.5	16.6	24.8

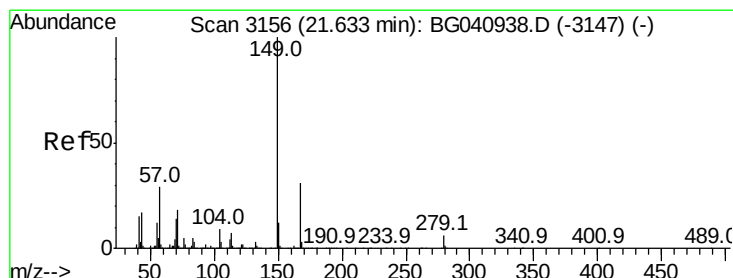
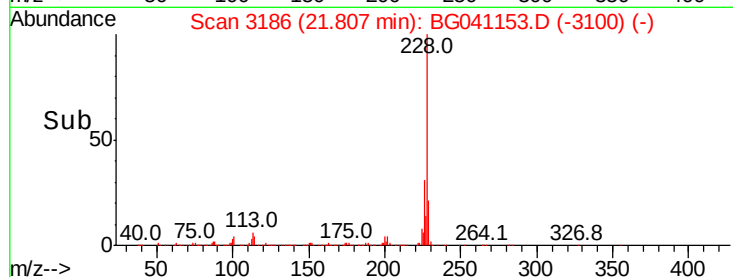
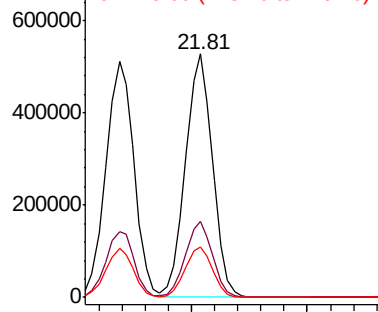


Abundance

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: 44.742 ng

RT: 21.60 min Scan# 3151

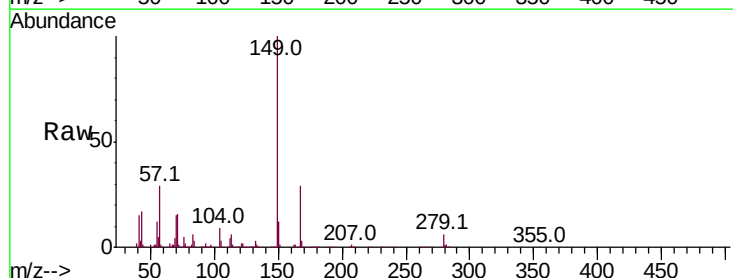
Delta R.T. -0.03 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Tgt Ion:149 Resp: 462830

Ion	Ratio	Lower	Upper
149	100		
167	29.3	24.6	37.0
279	5.9	5.0	7.6

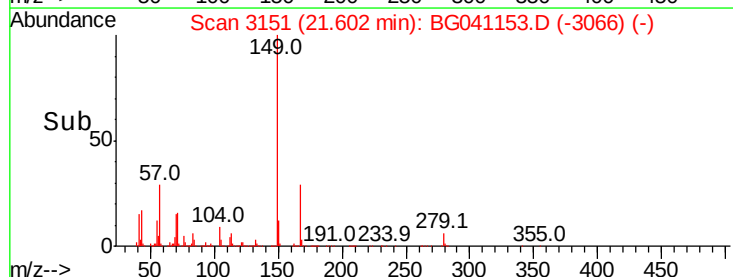
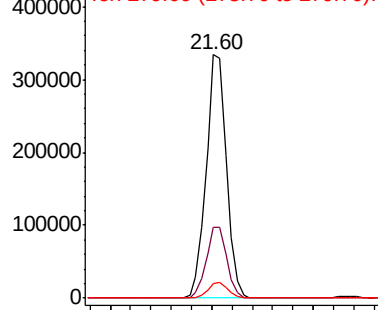


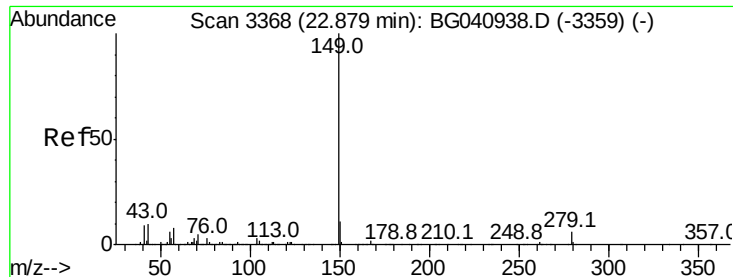
Abundance

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: 45.958 ng

RT: 22.84 min Scan# 3362

Delta R.T. -0.04 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

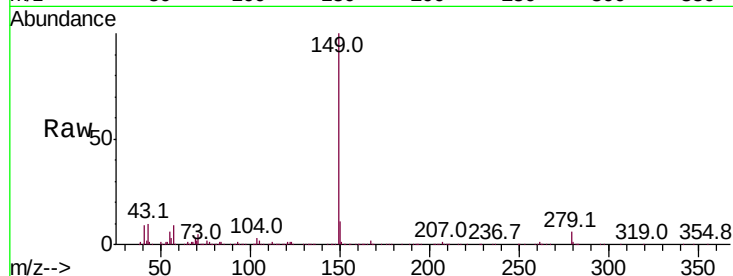
Tot Ion:149 Resp: 791760

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

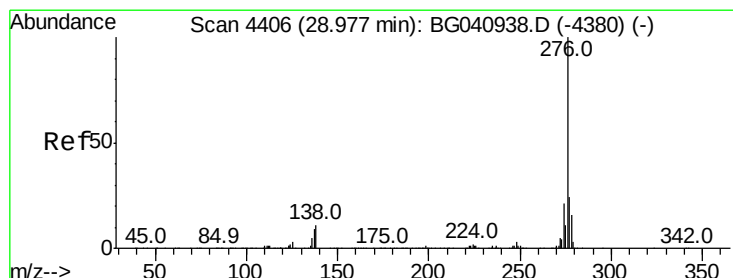
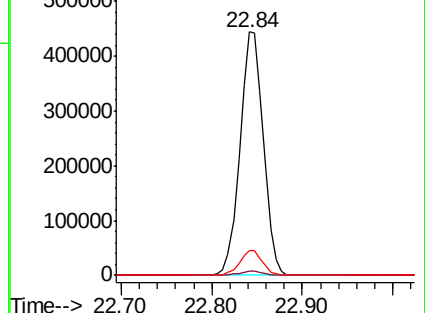
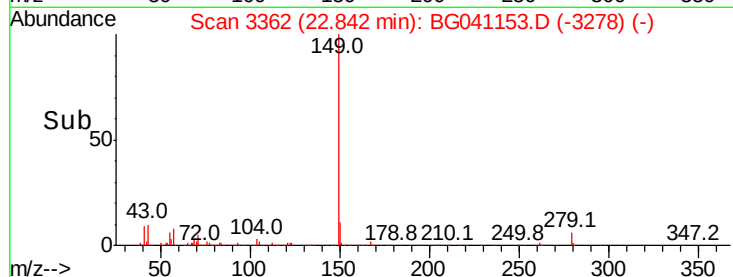
43 9.7 8.1 12.1



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: 43.817 ng

RT: 28.91 min Scan# 4395

Delta R.T. -0.07 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

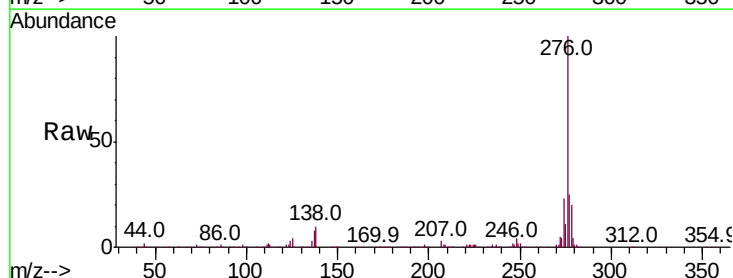
Tgt Ion:276 Resp: 993158

Ion Ratio Lower Upper

276 100

138 5.8 5.7 8.5

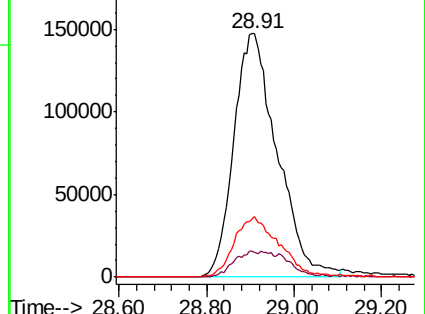
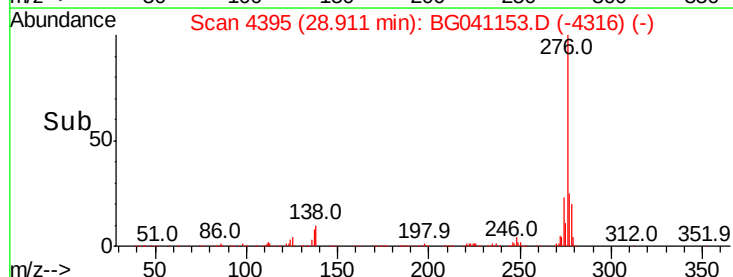
277 25.6 20.8 31.2

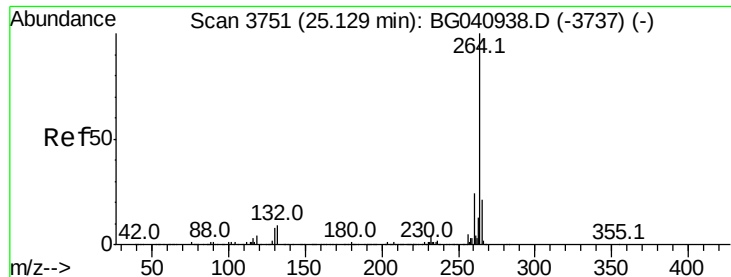


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



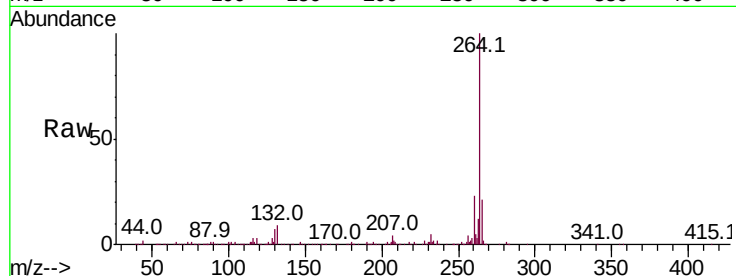


#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3743
Delta R.T. -0.05 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

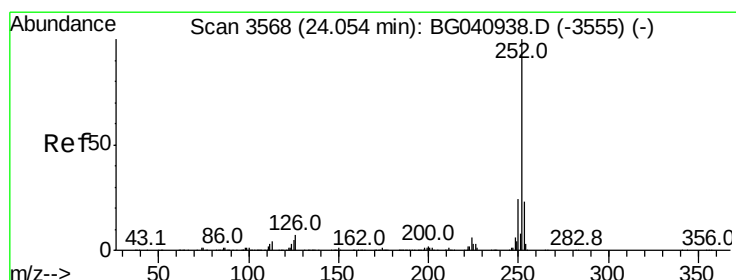
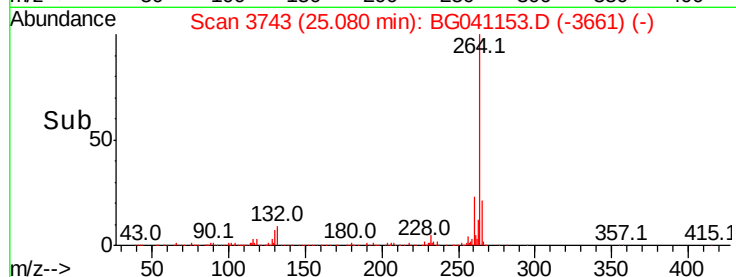
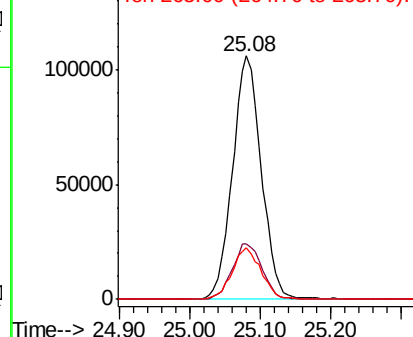
Instrument :
BNA_G
ClientSampled :
SOILBS02

Tot Ion:264 Resp: 298842

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.4
265	21.4	17.0	25.4



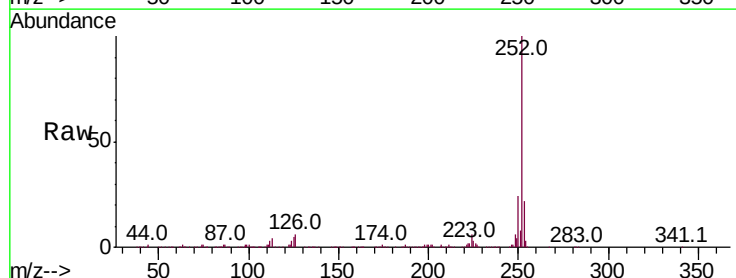
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



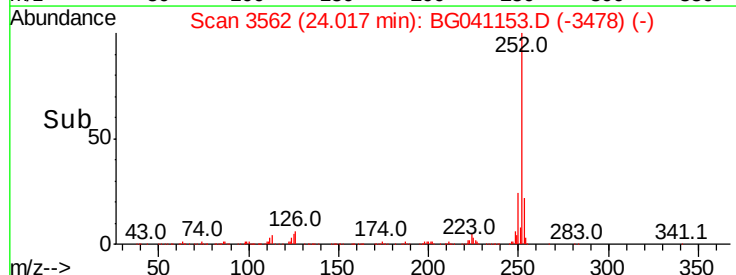
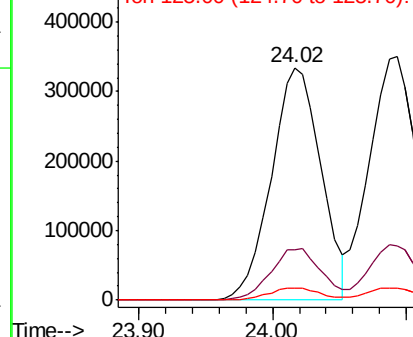
#88
Benzo(b)fluoranthene
Concen: 47.514 ng
RT: 24.02 min Scan# 3562
Delta R.T. -0.04 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

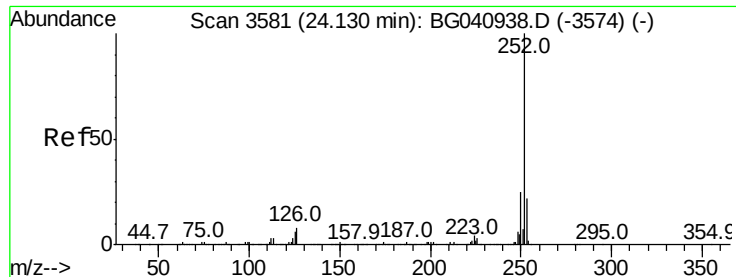
Tgt Ion:252 Resp: 861233

Ion	Ratio	Lower	Upper
252	100		
253	21.8	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: 47.517 ng

RT: 24.09 min Scan# 3575

Delta R.T. -0.04 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SOILBS02

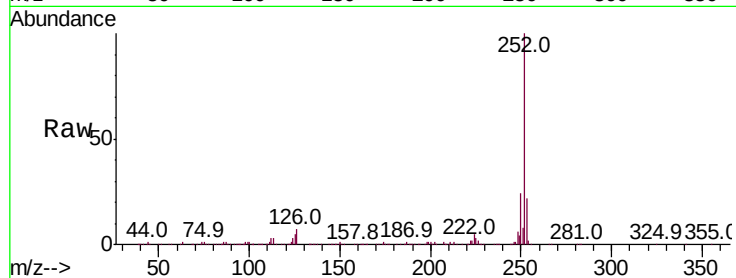
Tot Ion:252 Resp: 852294

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

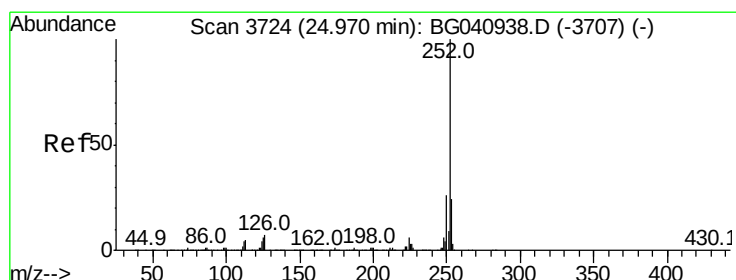
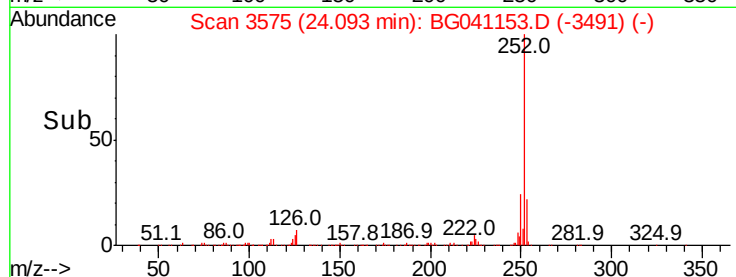
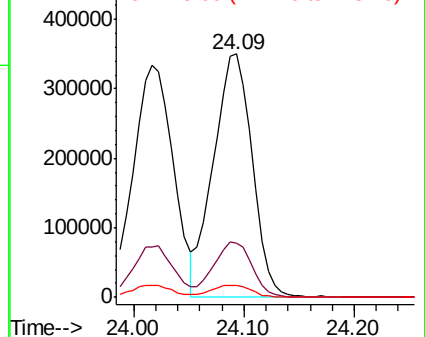
125 5.0 4.7 7.1



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: 49.469 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.04 min

Lab File: BG041153.D

Acq: 9 Jun 2019 4:48

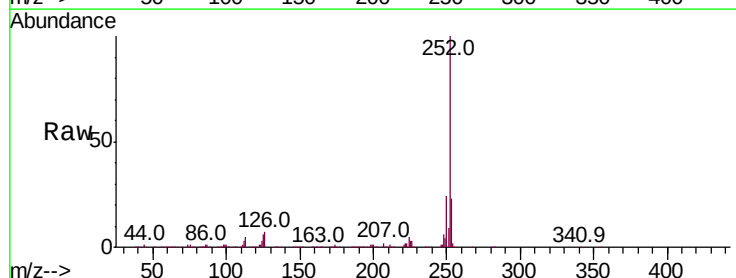
Tgt Ion:252 Resp: 855489

Ion Ratio Lower Upper

252 100

253 22.6 19.5 29.3

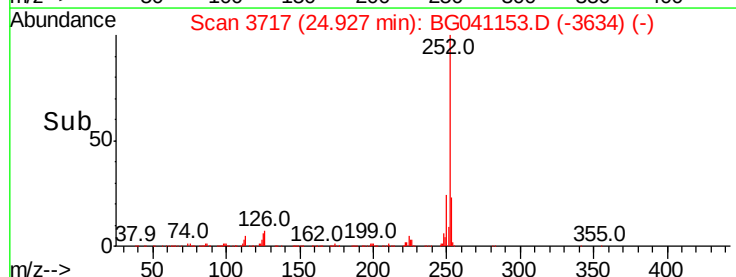
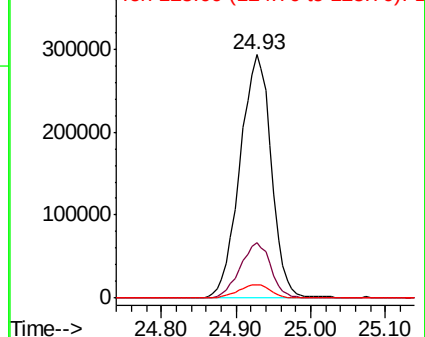
125 5.6 5.1 7.7

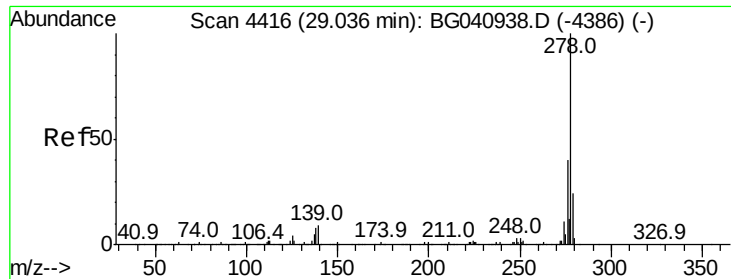


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



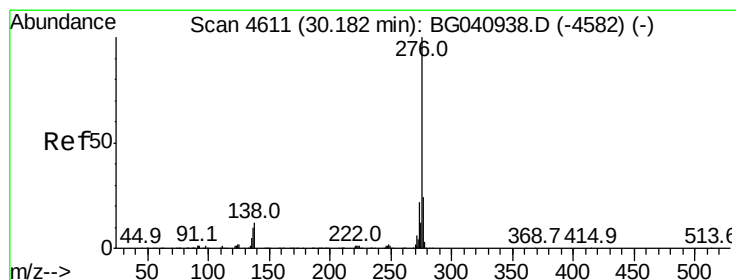
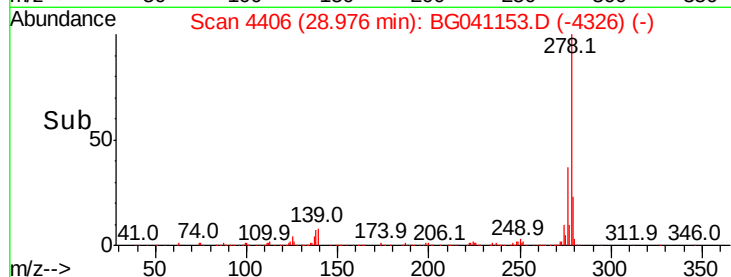
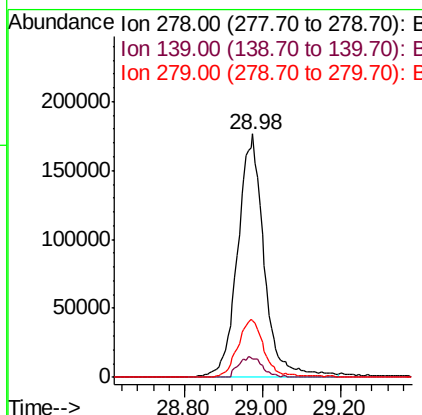
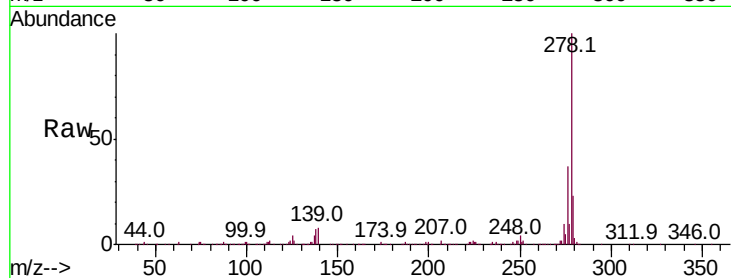


#91
Dibenzo(a,h)anthracene
Concen: 48.276 ng
RT: 28.98 min Scan# 4406
Delta R.T. -0.06 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Instrument :
BNA_G
ClientSampleId :
SOILBS02

Tot Ion:278 Resp: 834186

Ion	Ratio	Lower	Upper
278	100		
139	7.5	7.1	10.7
279	23.3	19.4	29.2



#92
Benzo(g,h,i)perylene
Concen: 46.740 ng
RT: 30.12 min Scan# 4600
Delta R.T. -0.07 min
Lab File: BG041153.D
Acq: 9 Jun 2019 4:48

Tgt Ion:276 Resp: 784653

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.4	29.0
138	10.9	9.7	14.5

