

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
 Data File : BG041152.D
 Acq On : 9 Jun 2019 4:10
 Operator : HP/JU
 Sample : SOILBS01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOILBS01

Quant Time: Jun 10 05:40:57 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	21805	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	92587	20.00	ng	-0.03
39) Acenaphthene-d10	14.74	164	72823	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	181781	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	178780	20.00	ng	-0.03
87) Perylene-d12	25.08	264	183712	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	192069	158.84	ng	-0.02
7) Phenol-d6	7.25	99	278210	148.97	ng	-0.01
23) Nitrobenzene-d5	9.28	82	189716	90.97	ng	-0.03
42) 2,4,6-Tribromophenol	16.23	330	158150	146.29	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	465257	92.01	ng	-0.03
79) Terphenyl-d14	20.07	244	854732	101.47	ng	-0.03

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.49	88	33687	61.392	ng	# 91
3) Pyridine	3.90	79	93551	57.617	ng	98
4) n-Nitrosodimethylamine	3.83	42	50514	67.034	ng	90
6) Aniline	7.42	93	103442	41.497	ng	95
8) 2-Chlorophenol	7.66	128	111021	77.011	ng	96
9) Benzaldehyde	7.24	77	31539	28.310	ng	91
10) Phenol	7.28	94	149924	74.873	ng	98
11) bis(2-Chloroethyl)ether	7.52	93	96332	66.316	ng	98
12) 1,3-Dichlorobenzene	7.99	146	112814	65.520	ng	97
13) 1,4-Dichlorobenzene	8.14	146	115356	66.187	ng	100
14) 1,2-Dichlorobenzene	8.46	146	110516	65.308	ng	98
15) Benzyl Alcohol	8.35	79	122236	70.757	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.63	45	145806	61.426	ng	98
17) 2-Methylphenol	8.54	107	104405	72.013	ng	98
18) Hexachloroethane	9.19	117	43883	65.328	ng	99
19) n-Nitroso-di-n-propylamine	8.91	70	89688	62.406	ng	99
20) 3+4-Methylphenols	8.87	107	144850	72.127	ng	99
22) Acetophenone	8.93	105	177645	68.398	ng	# 98
24) Nitrobenzene	9.33	77	147006	69.166	ng	97
25) Isophorone	9.84	82	267133	67.304	ng	99
26) 2-Nitrophenol	10.04	139	66744	76.175	ng	94
27) 2,4-Dimethylphenol	10.08	122	115739	79.980	ng	92
28) bis(2-Chloroethoxy)methane	10.32	93	142713	66.620	ng	99
29) 2,4-Dichlorophenol	10.57	162	137263	74.696	ng	95
30) 1,2,4-Trichlorobenzene	10.78	180	142439	68.137	ng	96
31) Naphthalene	10.98	128	351871	70.784	ng	100
32) Benzoic acid	10.22	122	73676	62.517	ng	96
33) 4-Chloroaniline	11.09	127	85838	37.215	ng	97
34) Hexachlorobutadiene	11.24	225	103236	64.541	ng	99
35) Caprolactam	11.88	113	43114m	71.048	ng	
36) 4-Chloro-3-methylphenol	12.19	107	157489	75.042	ng	97
37) 2-Methylnaphthalene	12.57	142	277720	72.538	ng	99
38) 1-Methylnaphthalene	12.79	142	265620	73.623	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	202433	68.968	ng	99

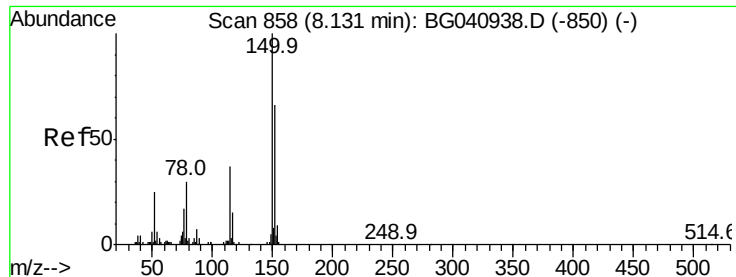
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	219951	133.290	ng	98
43) 2,4,6-Trichlorophenol	13.18	196	134887	71.038	ng	97
44) 2,4,5-Trichlorophenol	13.25	196	147989	73.901	ng	98
46) 1,1'-Biphenyl	13.57	154	382677	70.991	ng	99
47) 2-Chloronaphthalene	13.62	162	320386	69.233	ng	97
48) 2-Nitroaniline	13.83	65	114056	68.702	ng	99
49) Acenaphthylene	14.46	152	507282	72.834	ng	100
50) Dimethylphthalate	14.19	163	417522	67.730	ng	98
51) 2,6-Dinitrotoluene	14.32	165	95912	72.162	ng	95
52) Acenaphthene	14.80	154	295286	69.985	ng	99
53) 3-Nitroaniline	14.65	138	66716	50.197	ng	# 89
54) 2,4-Dinitrophenol	14.86	184	101016	120.463	ng	99
55) Dibenzofuran	15.13	168	513146	72.278	ng	99
56) 4-Nitrophenol	14.95	139	144088	158.057	ng	98
57) 2,4-Dinitrotoluene	15.10	165	140107	74.625	ng	98
58) Fluorene	15.78	166	415267	73.446	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.36	232	157637	80.101	ng	95
60) Diethylphthalate	15.54	149	432480	68.745	ng	97
61) 4-Chlorophenyl-phenylether	15.77	204	257883	70.172	ng	93
62) 4-Nitroaniline	15.81	138	95495	67.869	ng	94
63) Azobenzene	16.06	77	406163	71.034	ng	98
65) 4,6-Dinitro-2-methylphenol	15.86	198	79743	75.804	ng	94
66) n-Nitrosodiphenylamine	15.98	169	370310	72.467	ng	99
67) 4-Bromophenyl-phenylether	16.66	248	166957	68.057	ng	98
68) Hexachlorobenzene	16.78	284	177256	67.855	ng	97
69) Atrazine	16.92	200	160200	81.248	ng	97
70) Pentachlorophenol	17.12	266	196765	137.383	ng	96
71) Phenanthrene	17.52	178	708466	74.822	ng	99
72) Anthracene	17.62	178	715110	76.575	ng	99
73) Carbazole	17.89	167	620400	77.425	ng	100
74) Di-n-butylphthalate	18.42	149	725102	72.808	ng	99
75) Fluoranthene	19.53	202	901357	77.069	ng	99
77) Benzidine	19.71	184	287700	67.458	ng	97
78) Pyrene	19.89	202	909190	78.231	ng	99
80) Butylbenzylphthalate	20.76	149	338789	74.908	ng	97
81) Benzo(a)anthracene	21.74	228	870096	73.113	ng	99
82) 3,3'-Dichlorobenzidine	21.65	252	219566	52.455	ng	97
83) Chrysene	21.81	228	859771	75.495	ng	98
84) Bis(2-ethylhexyl)phthalate	21.60	149	470128	73.841	ng	98
85) Di-n-octyl phthalate	22.85	149	791693	74.664	ng	99
86) Indeno(1,2,3-cd)pyrene	28.90	276	1020585	73.157	ng	# 95
88) Benzo(b)fluoranthene	24.02	252	871222	78.187	ng	100
89) Benzo(k)fluoranthene	24.09	252	872229	79.103	ng	99
90) Benzo(a)pyrene	24.93	252	862709	81.150	ng	97
91) Dibenzo(a,h)anthracene	28.97	278	839664	79.045	ng	98
92) Benzo(g,h,i)perylene	30.10	276	773675	74.967	ng	96

(#) = 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: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

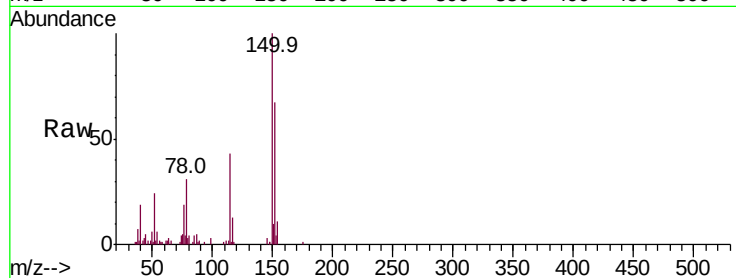
Tot Ion:152 Resp: 21805

Ion Ratio Lower Upper

152 100

150 150.3 120.6 180.8

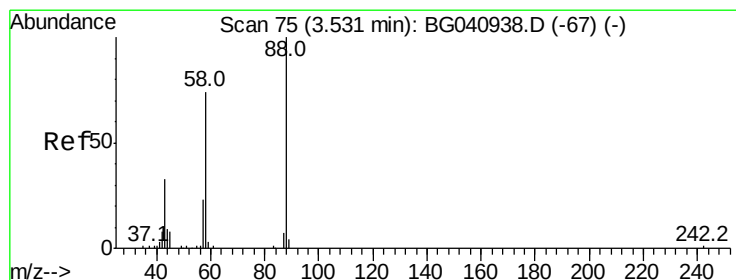
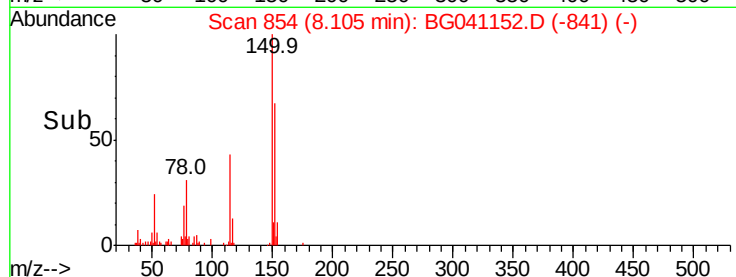
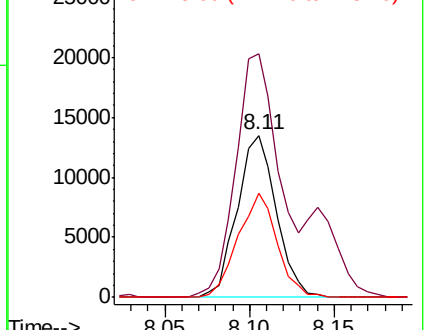
115 64.1 45.1 67.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 61.392 ng

RT: 3.49 min Scan# 69

Delta R.T. -0.04 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

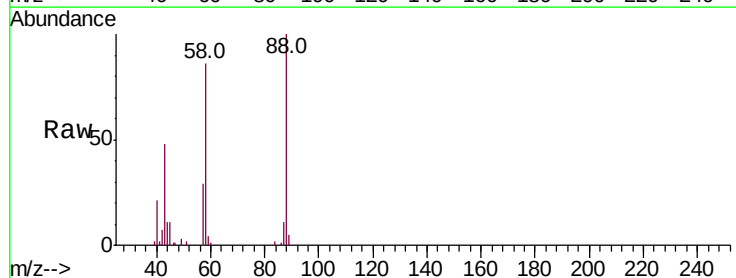
Tgt Ion: 88 Resp: 33687

Ion Ratio Lower Upper

88 100

58 77.6 59.0 88.6

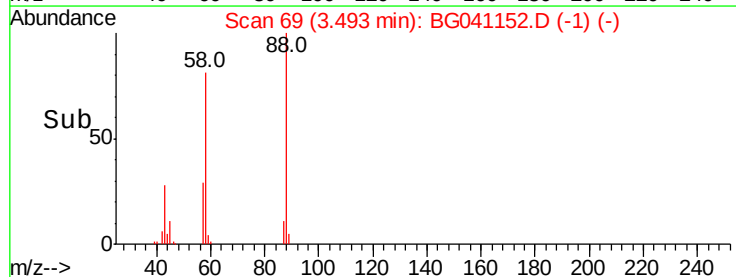
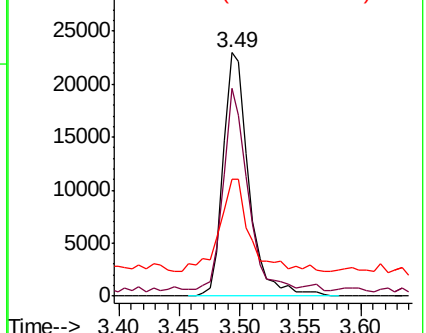
43 44.3 27.2 40.8#

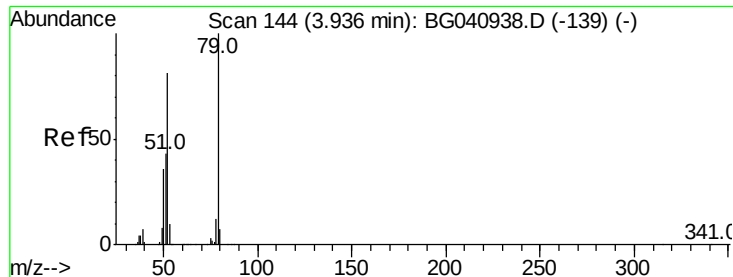


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 57.617 ng

RT: 3.90 min Scan# 139

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

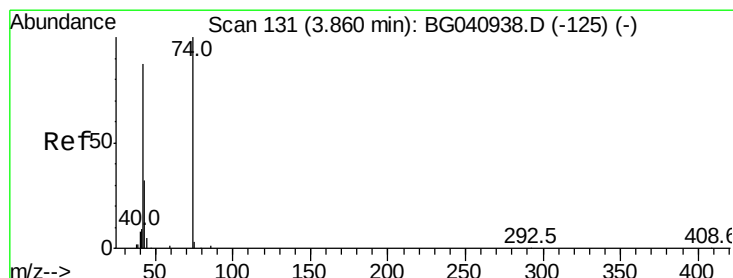
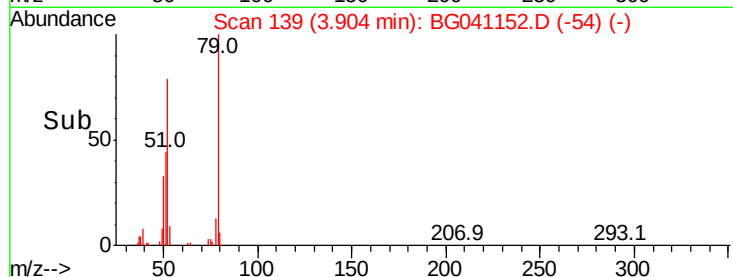
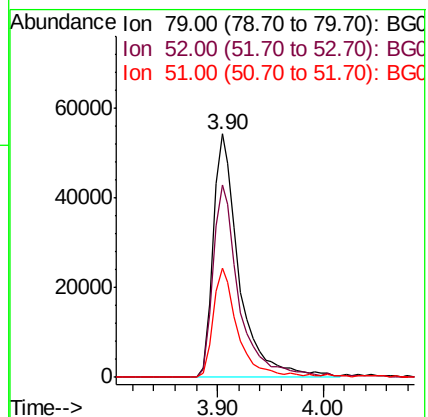
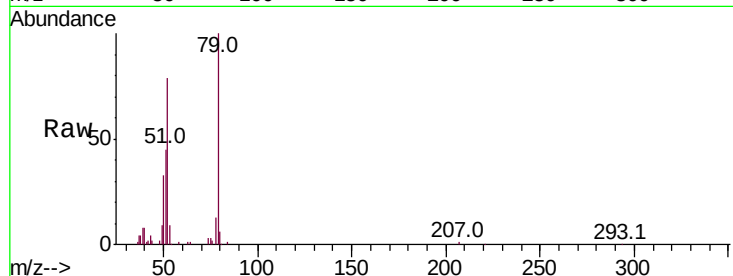
Tot Ion: 79 Resp: 93551

Ion Ratio Lower Upper

79 100

52 79.2 64.8 97.2

51 44.8 35.3 52.9



#4

n-Nitrosodimethylamine

Concen: 67.034 ng

RT: 3.83 min Scan# 126

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

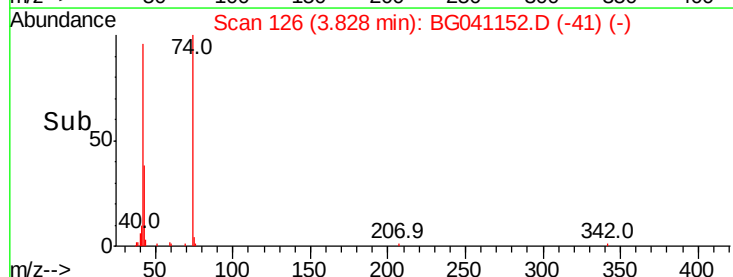
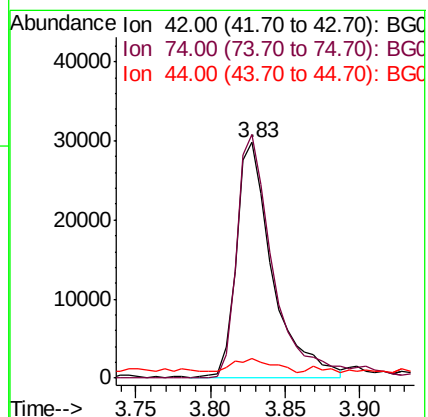
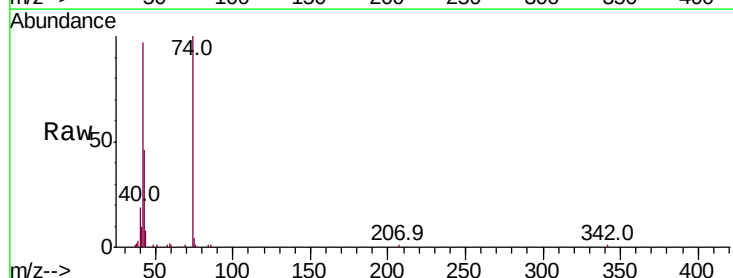
Tgt Ion: 42 Resp: 50514

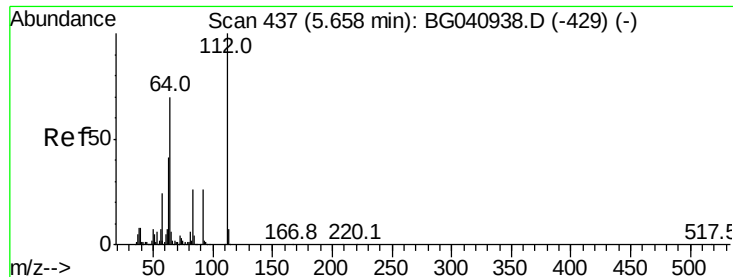
Ion Ratio Lower Upper

42 100

74 103.2 91.8 137.6

44 8.4 6.0 9.0





#5

2-Fluorophenol

Concen: 158.836 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

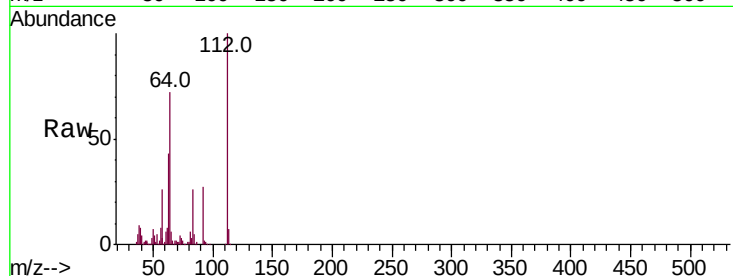
Tot Ion:112 Resp: 192069

Ion Ratio Lower Upper

112 100

64 71.7 56.2 84.2

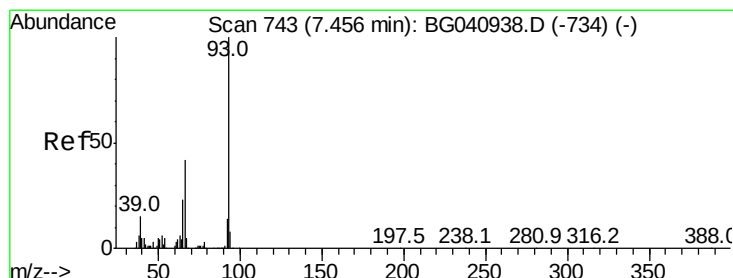
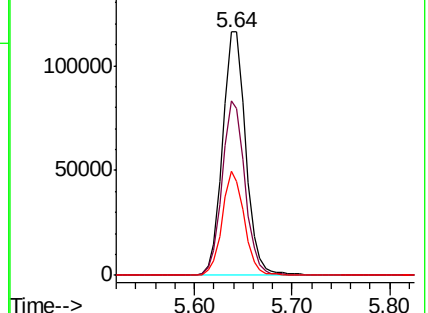
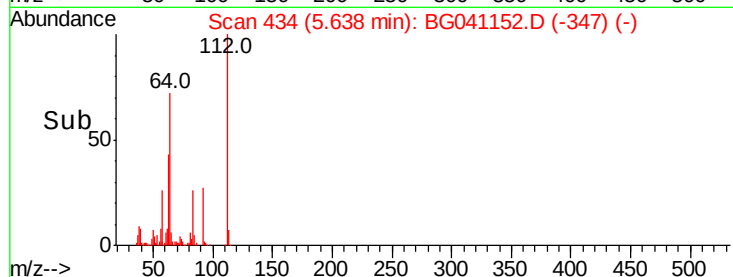
63 42.6 32.8 49.2



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: 41.497 ng

RT: 7.42 min Scan# 738

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

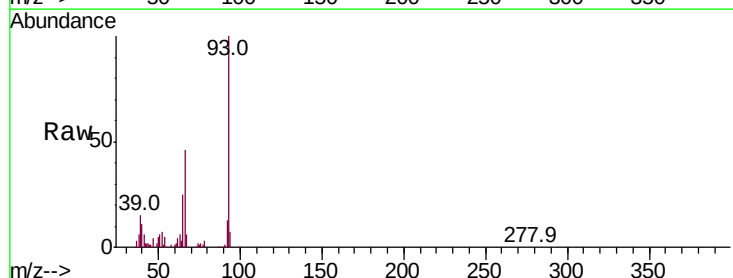
Tgt Ion: 93 Resp: 103442

Ion Ratio Lower Upper

93 100

66 46.3 33.8 50.8

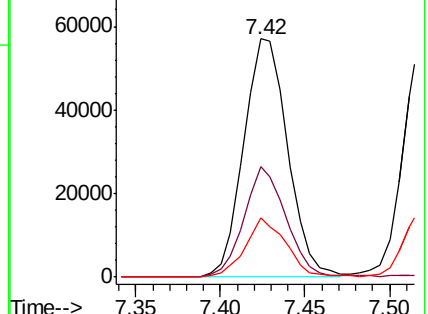
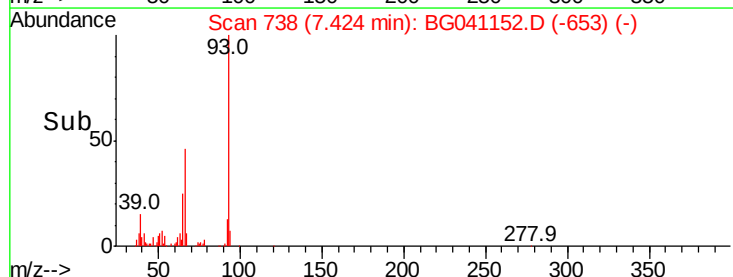
65 24.7 18.3 27.5

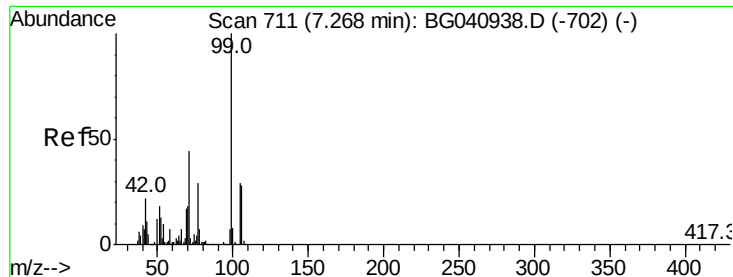


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 148.972 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

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ClientSampleId :

SOILBS01

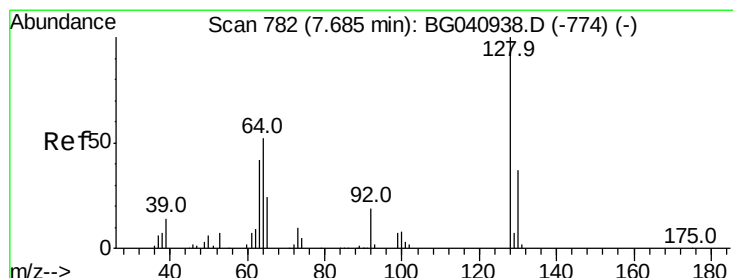
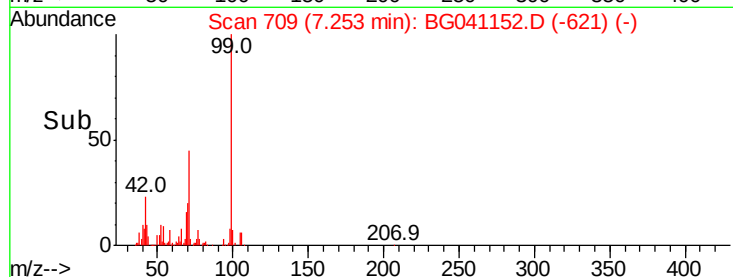
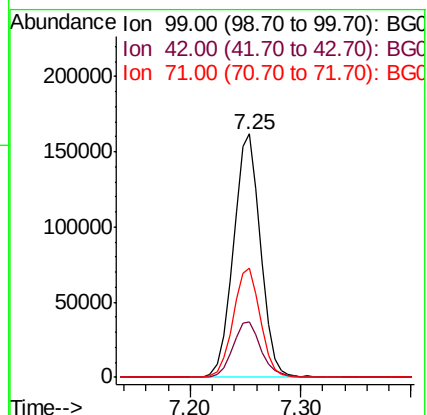
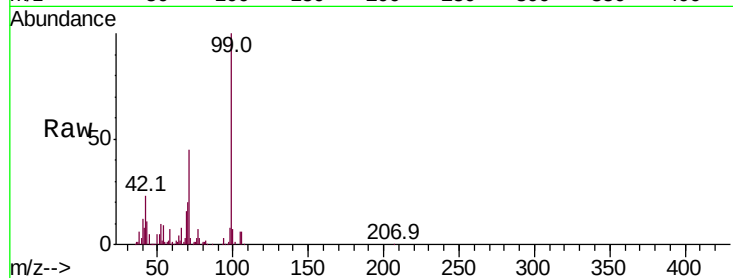
Tot Ion: 99 Resp: 278210

Ion Ratio Lower Upper

99 100

42 22.6 17.9 26.9

71 44.9 35.4 53.0



#8

2-Chlorophenol

Concen: 77.011 ng

RT: 7.66 min Scan# 779

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

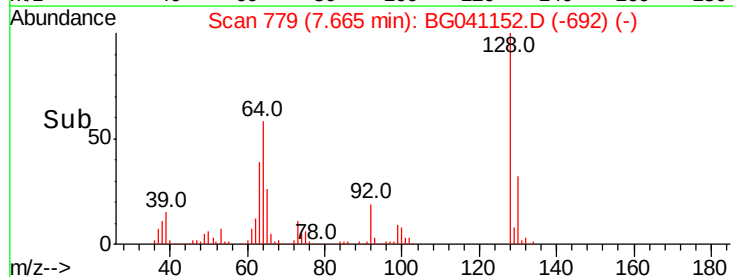
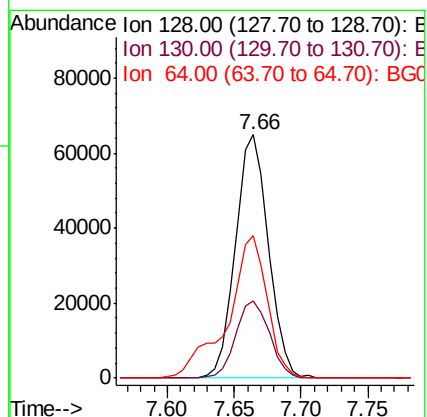
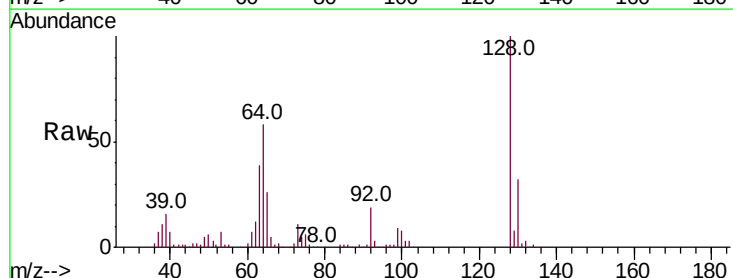
Tgt Ion: 128 Resp: 111021

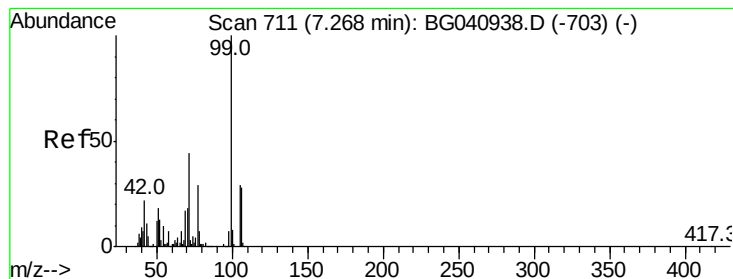
Ion Ratio Lower Upper

128 100

130 31.6 16.6 56.6

64 58.3 37.8 77.8





#9

Benzaldehyde

Concen: 28.310 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.03 min

Lab File: BG041152.D

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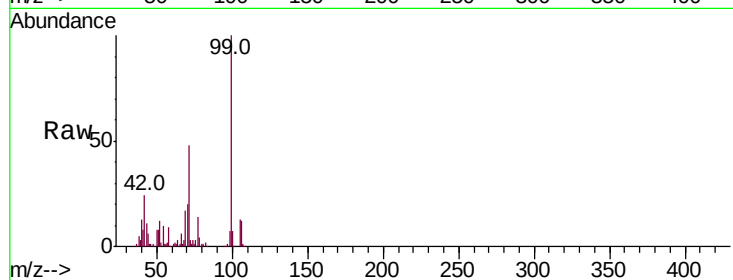
Tot Ion: 77 Resp: 31539

Ion Ratio Lower Upper

77 100

105 93.9 78.9 118.9

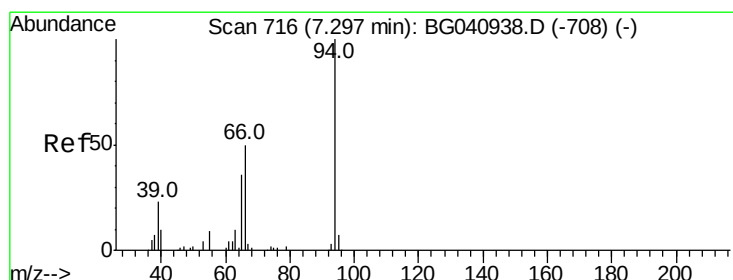
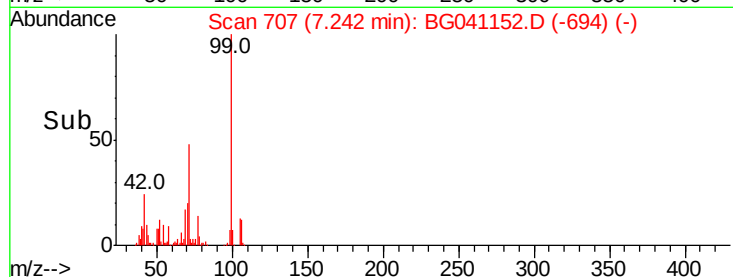
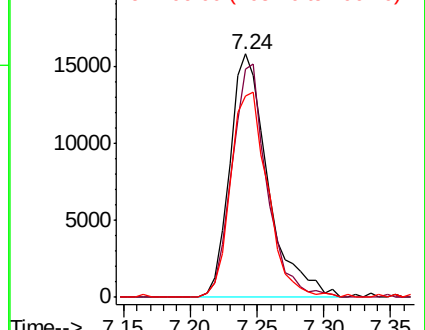
106 82.9 76.7 116.7



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 74.873 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

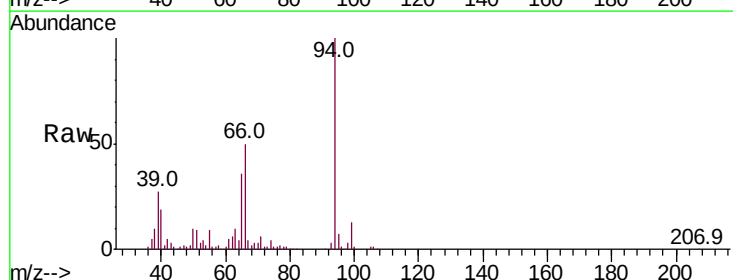
Tgt Ion: 94 Resp: 149924

Ion Ratio Lower Upper

94 100

65 36.1 17.0 57.0

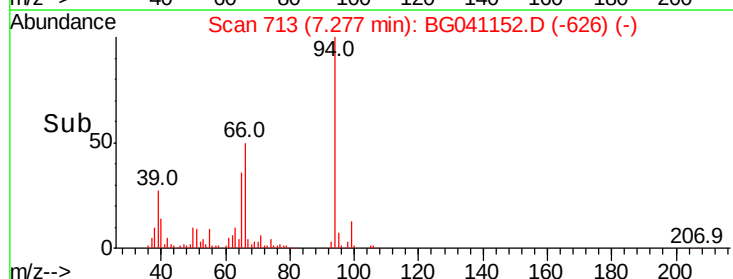
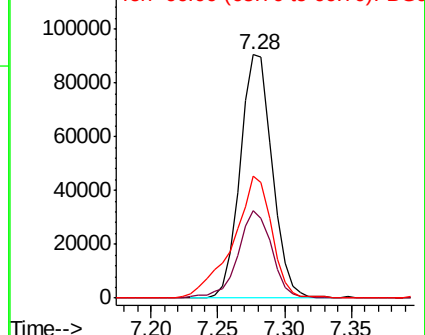
66 50.4 32.4 72.4

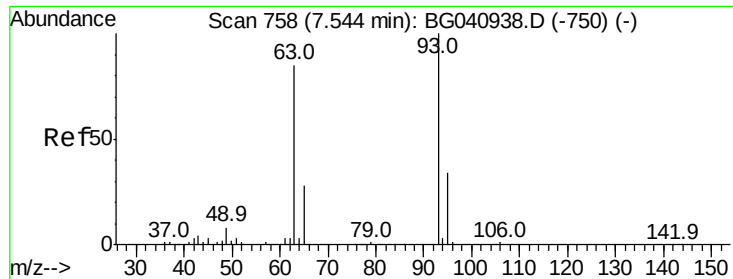


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

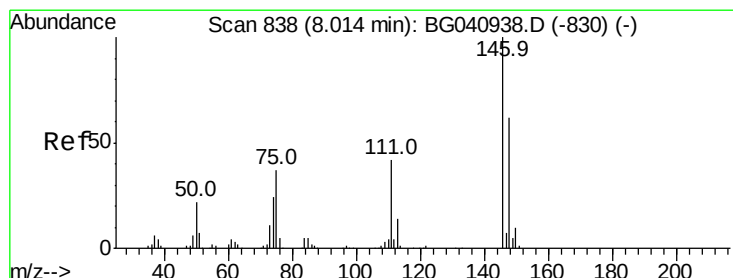
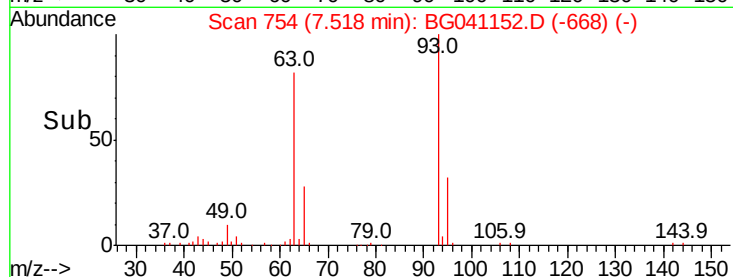
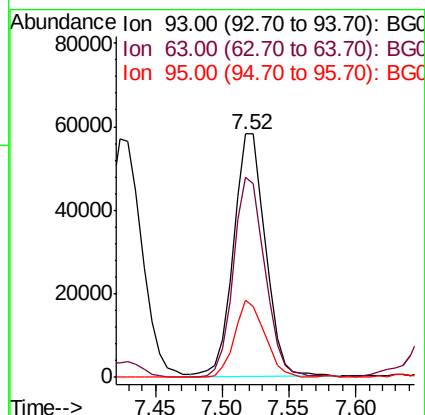
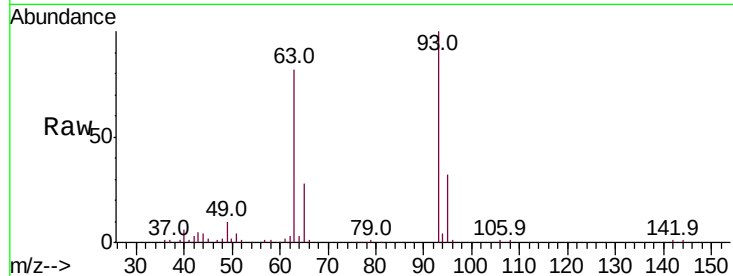




#11
bis(2-Chloroethyl)ether
Concen: 66.316 ng
RT: 7.52 min Scan# 754
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

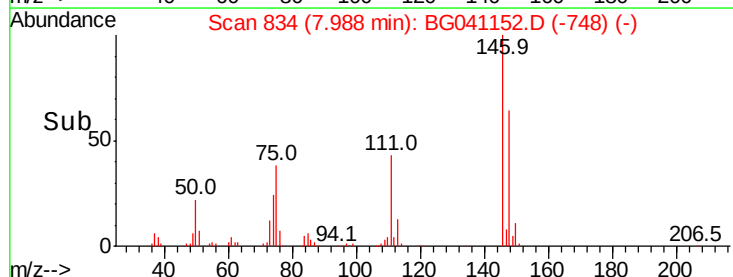
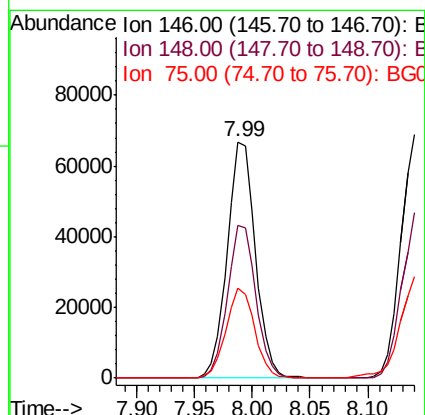
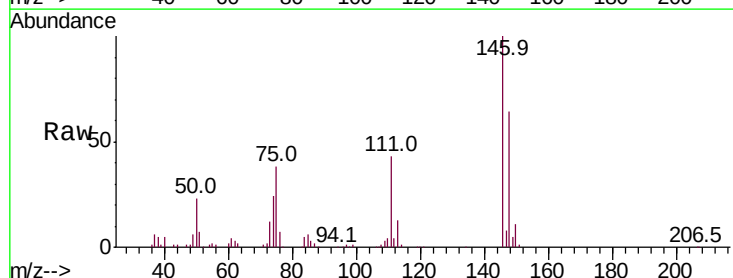
Instrument :
BNA_G
ClientSampleId :
SOILBS01

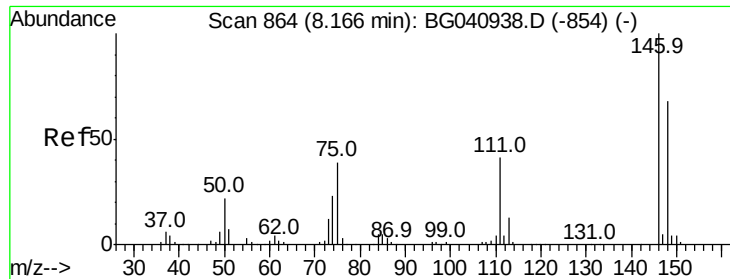
Tot Ion: 93 Resp: 96332
Ion Ratio Lower Upper
93 100
63 82.2 64.5 104.5
95 31.9 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 65.520 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion: 146 Resp: 112814
Ion Ratio Lower Upper
146 100
148 64.5 49.2 73.8
75 38.0 29.4 44.0

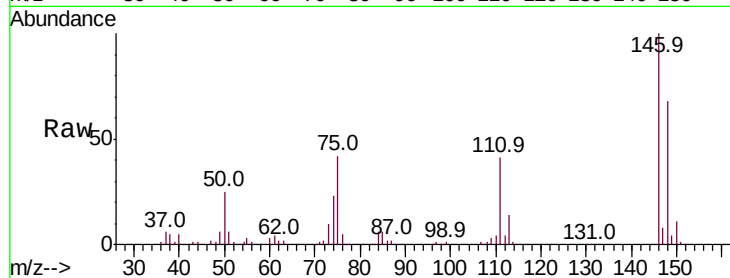




#13
 1,4-Dichlorobenzene
 Concen: 66.187 ng
 RT: 8.14 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

Instrument :
 BNA_G
 ClientSampleId :
 SOILBS01

Tot Ion	Ratio	Lower	Upper
146	100		
148	67.8	54.2	81.4
111	41.1	32.9	49.3

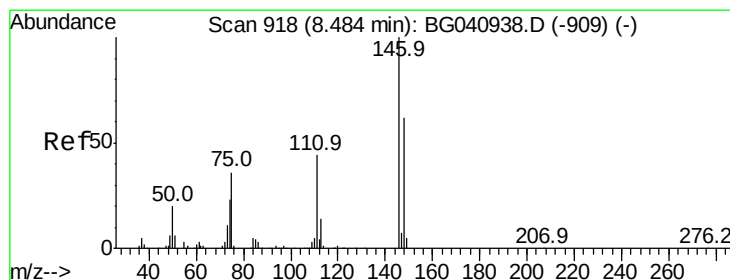
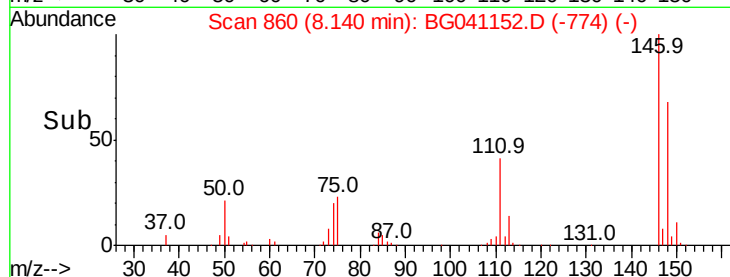
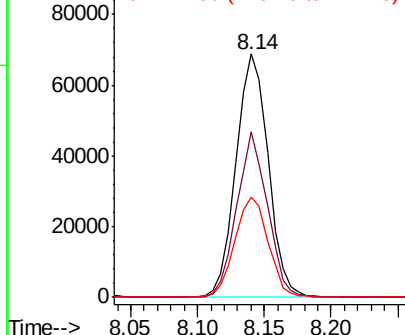


Abundance

Ion 146.00 (145.70 to 146.70): E

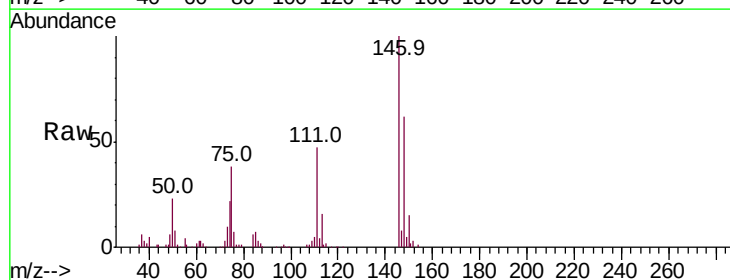
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 65.308 ng
 RT: 8.46 min Scan# 914
 Delta R.T. -0.03 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	49.8	74.6
111	46.9	35.0	52.4

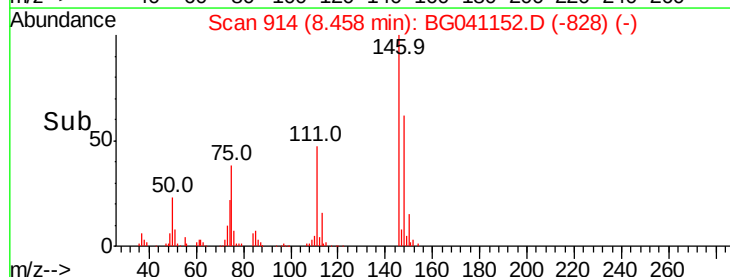
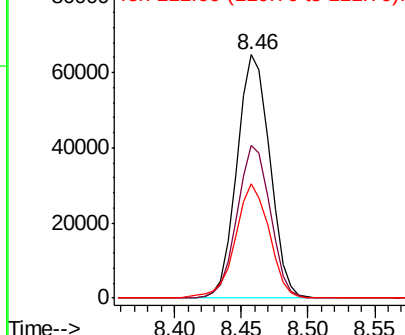


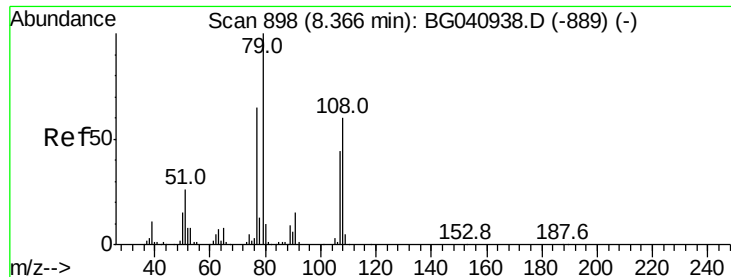
Abundance

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: 70.757 ng

RT: 8.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

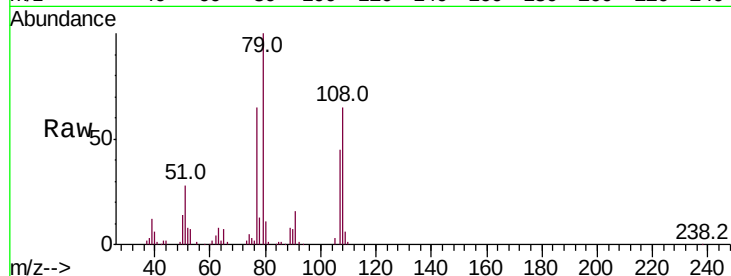
Tot Ion: 79 Resp: 122236

Ion Ratio Lower Upper

79 100

108 65.5 48.3 72.5

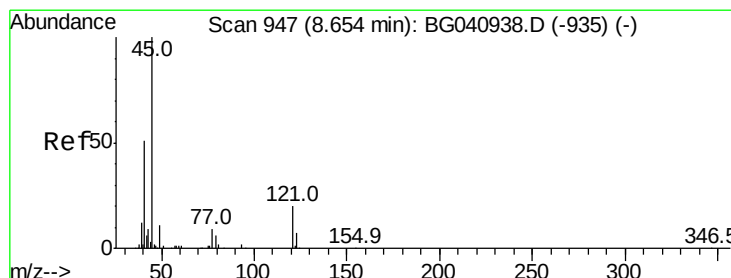
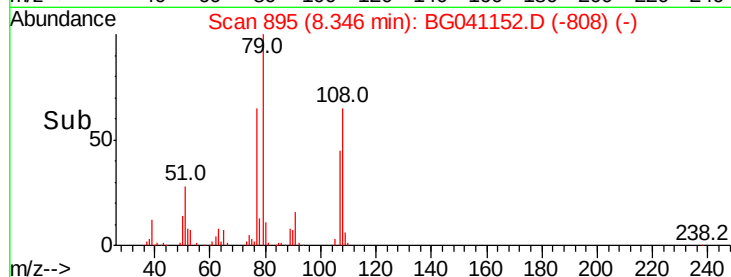
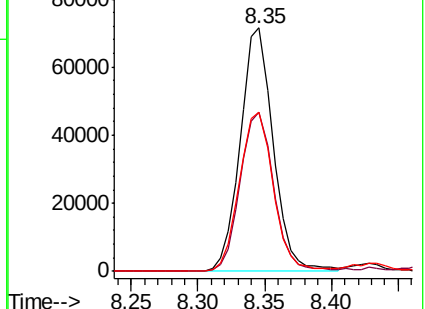
77 65.1 52.3 78.5



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: 61.426 ng

RT: 8.63 min Scan# 943

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

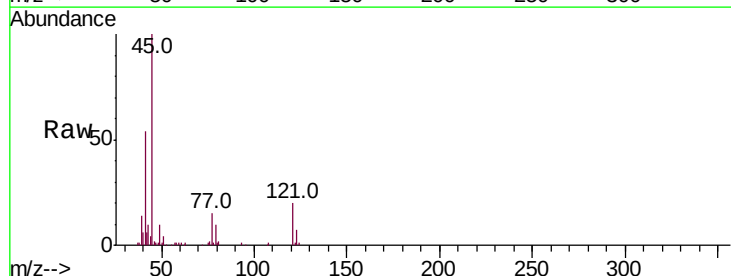
Tgt Ion: 45 Resp: 145806

Ion Ratio Lower Upper

45 100

77 14.6 0.0 33.7

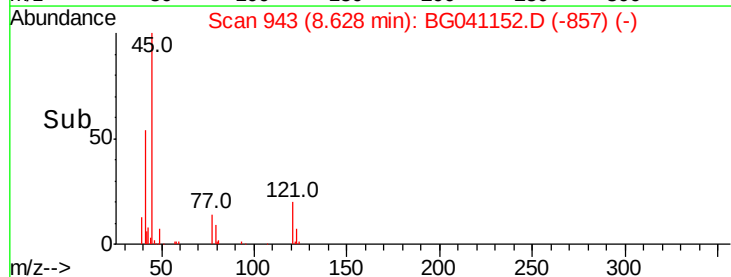
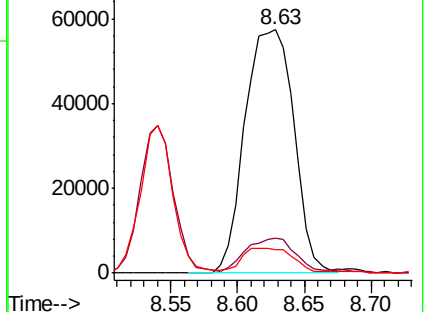
79 9.8 0.0 30.2

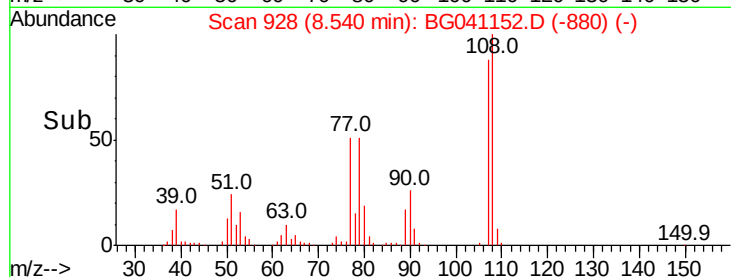
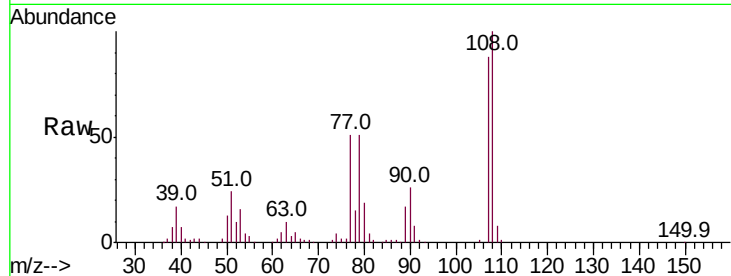
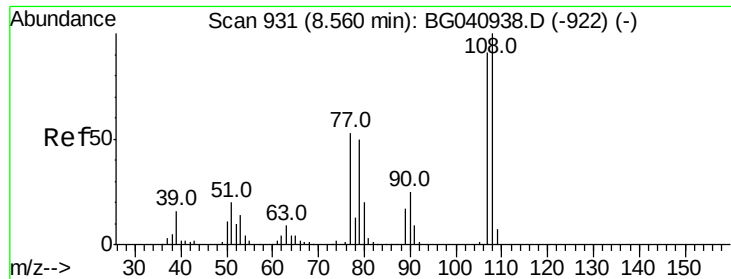


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

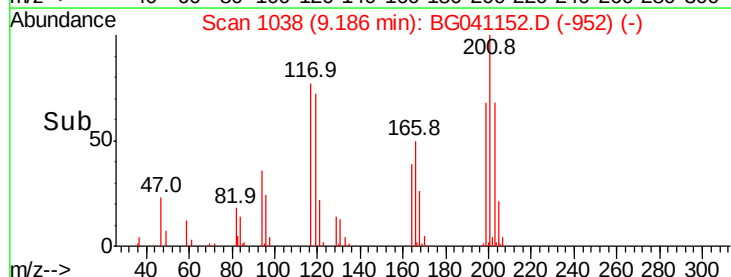
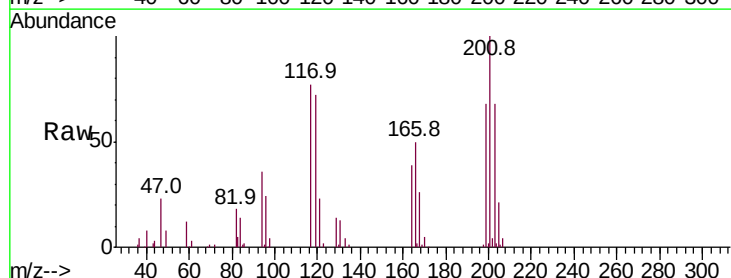
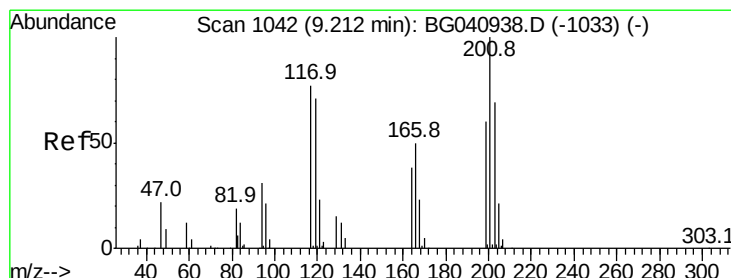
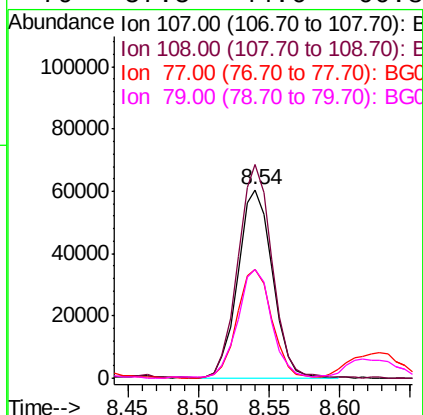




#17
2-Methylphenol
Concen: 72.013 ng
RT: 8.54 min Scan# 928
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

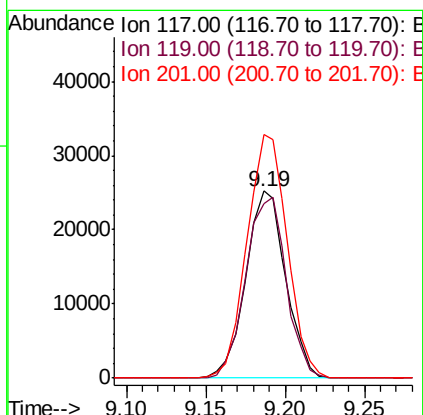
Instrument :
BNA_G
ClientSampleId :
SOILBS01

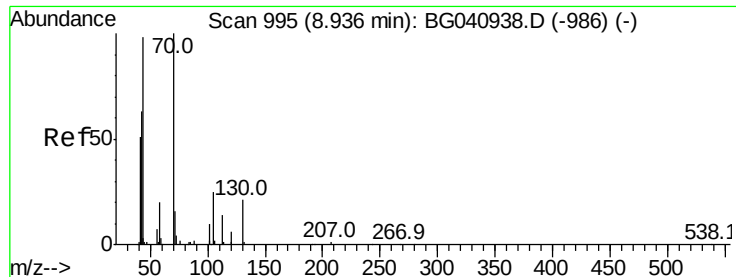
Tot Ion	Ratio	Lower	Upper
107	100		
108	113.2	87.7	131.5
77	57.7	46.6	70.0
79	57.5	44.6	66.8



#18
Hexachloroethane
Concen: 65.328 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.0	112.6
201	130.0	103.5	155.3

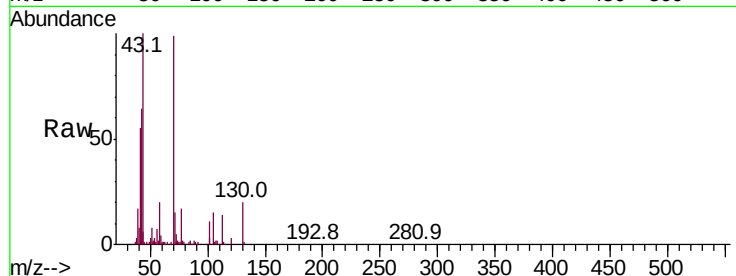




#19
n-Nitroso-di-n-propylamine
Concen: 62.406 ng
RT: 8.91 min Scan# 991
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Instrument :
BNA_G
ClientSampleId :
SOILBS01

Tot Ion:	70	Resp:	89688
Ion	Ratio	Lower	Upper
70	100		
42	64.8	51.5	77.3
101	10.9	8.1	12.1
130	20.5	16.6	24.8



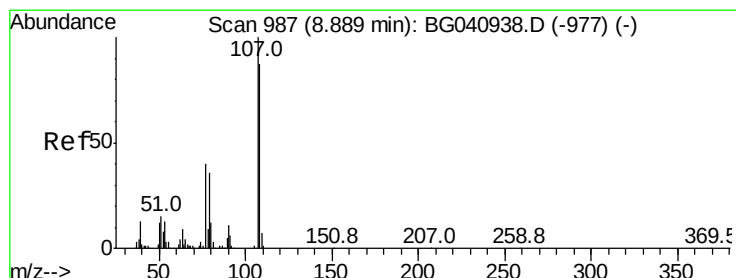
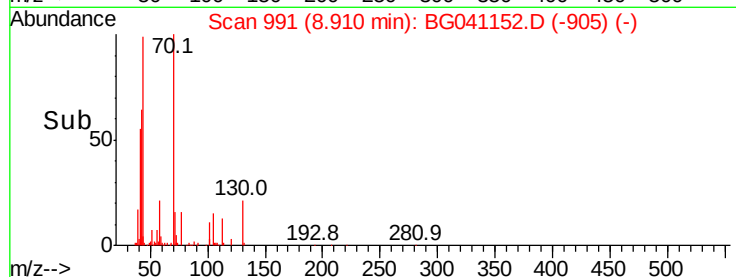
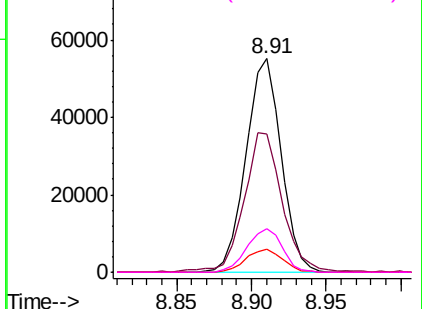
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

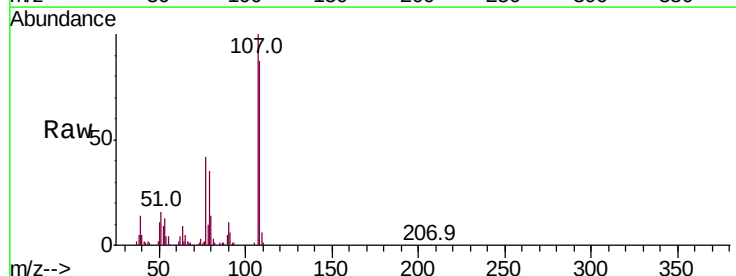
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 72.127 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion:	107	Resp:	144850
Ion	Ratio	Lower	Upper
107	100		
108	86.7	66.8	106.8
77	42.4	20.5	60.5
79	35.0	15.8	55.8



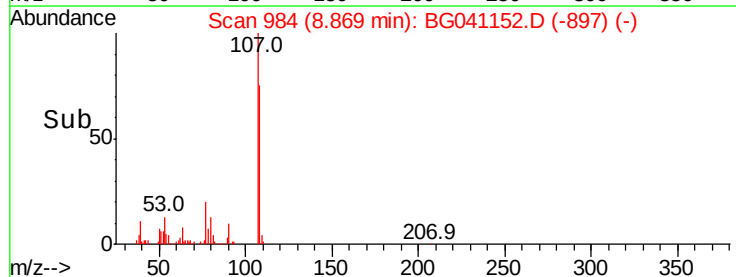
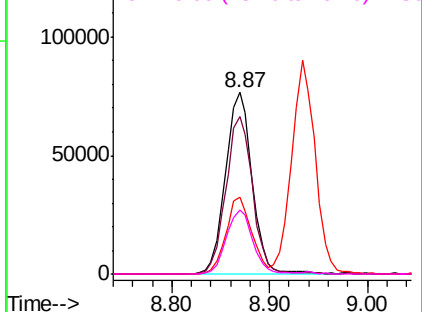
Abundance

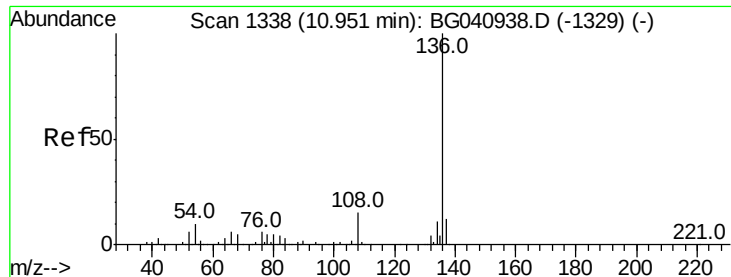
Ion 107.00 (106.70 to 107.70): BGC

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

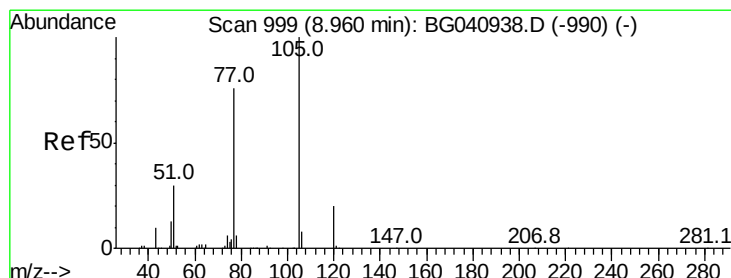
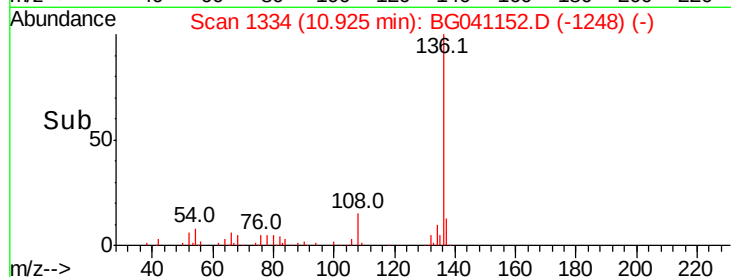
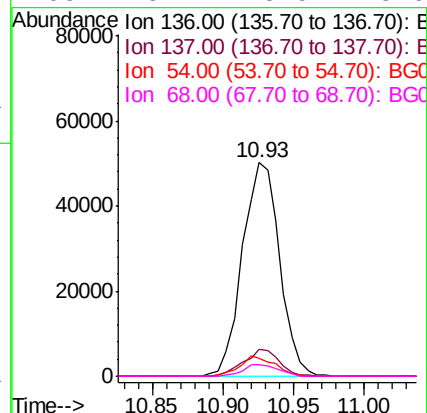
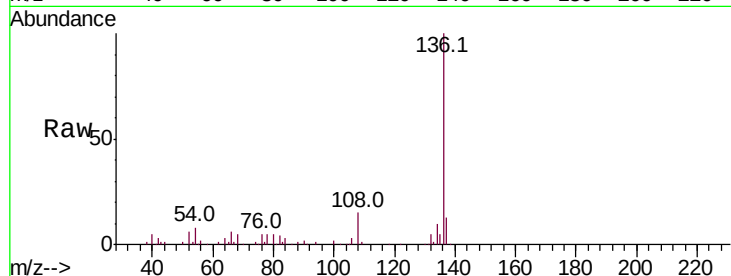




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

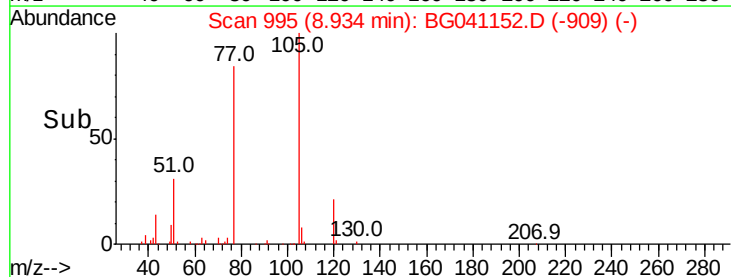
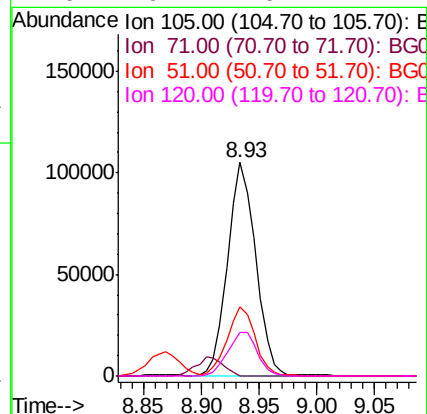
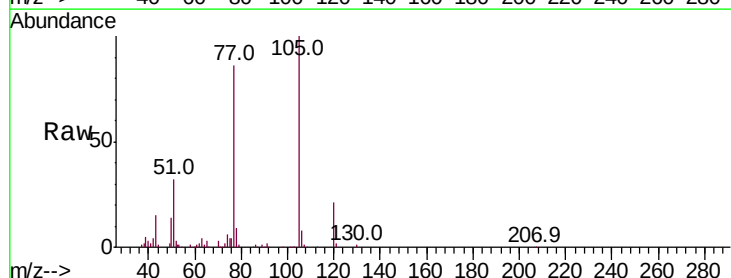
Instrument :
BNA_G
ClientSampleId :
SOILBS01

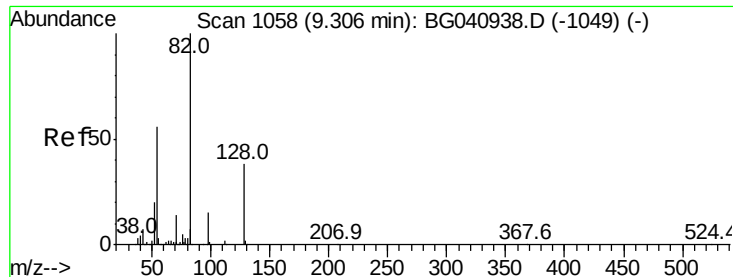
Tot Ion:136	Resp:	92587	
Ion Ratio	Lower	Upper	
136 100			
137 12.8	9.5	14.3	
54 8.1	7.6	11.4	
68 5.2	3.9	5.9	



#22
Acetophenone
Concen: 68.398 ng
RT: 8.93 min Scan# 995
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt	Ion:105	Resp:	177645
Ion	Ratio	Lower	Upper
105	100		
71	0.3	0.4	0.6#
51	32.4	27.0	40.6
120	20.7	16.2	24.4

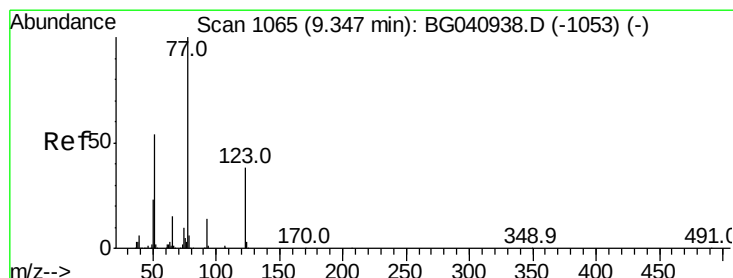
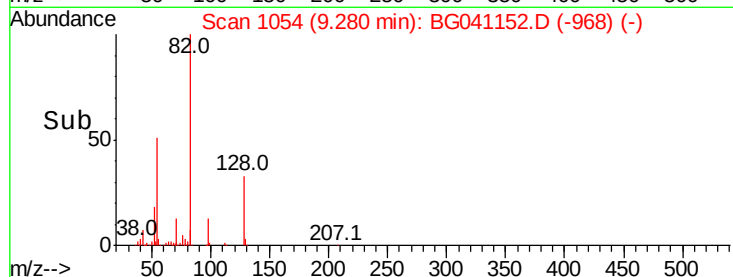
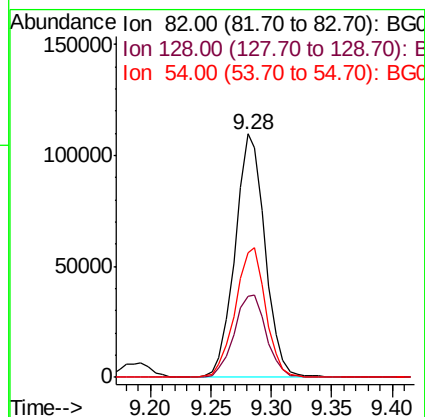
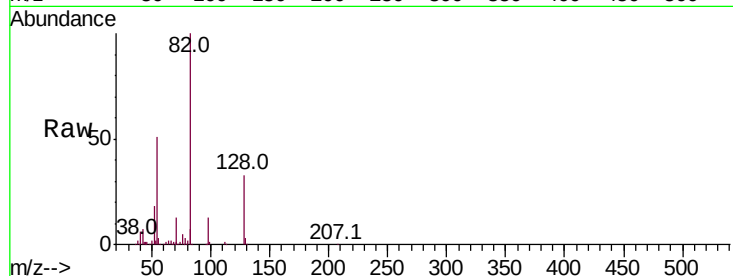




#23
 Nitrobenzene-d5
 Concen: 90.965 ng
 RT: 9.28 min Scan# 1054
 Delta R.T. -0.03 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

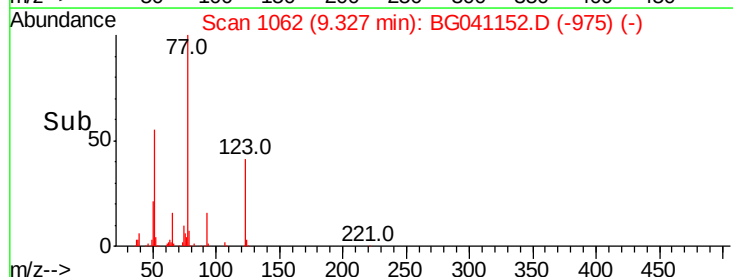
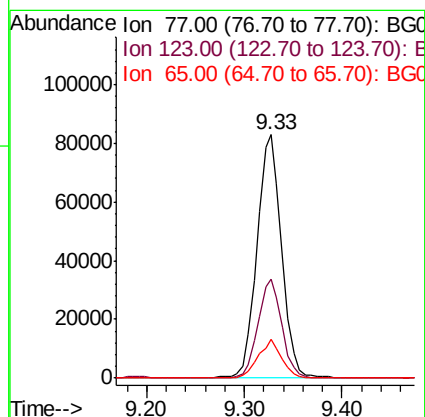
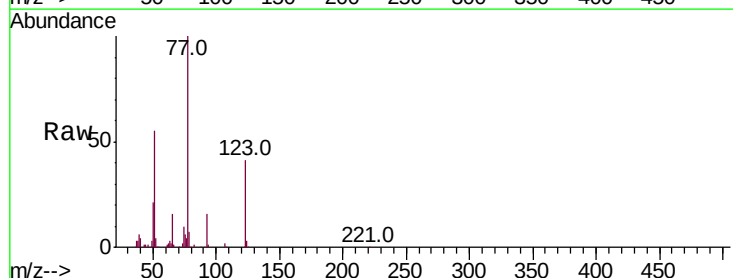
Instrument :
 BNA_G
 ClientSampleId :
 SOILBS01

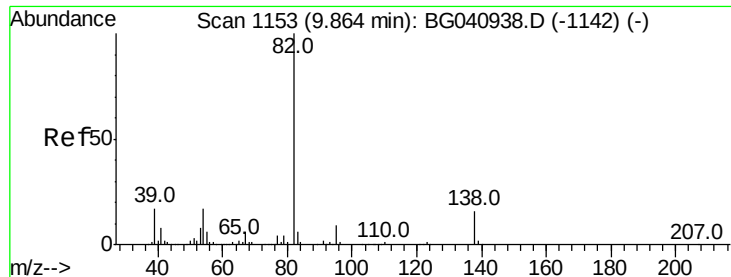
Tot Ion	82	Resp	189716
Ion Ratio	100	Lower	Upper
128	33.4	30.5	45.7
54	51.3	44.6	66.8



#24
 Nitrobenzene
 Concen: 69.166 ng
 RT: 9.33 min Scan# 1062
 Delta R.T. -0.02 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

Tgt Ion	77	Resp	147006
Ion Ratio	100	Lower	Upper
123	40.7	30.6	46.0
65	15.8	12.3	18.5





#25

Isophorone

Concen: 67.304 ng

RT: 9.84 min Scan# 1149

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

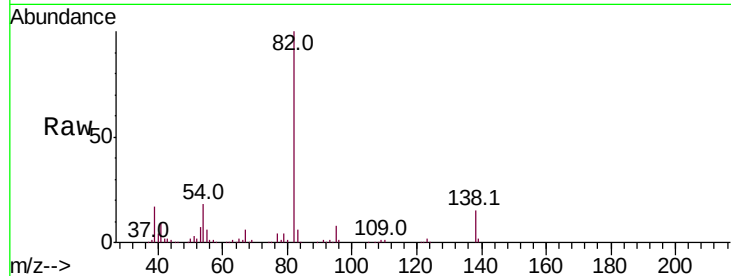
Tot Ion: 82 Resp: 267133

Ion Ratio Lower Upper

82 100

95 8.0 7.0 10.4

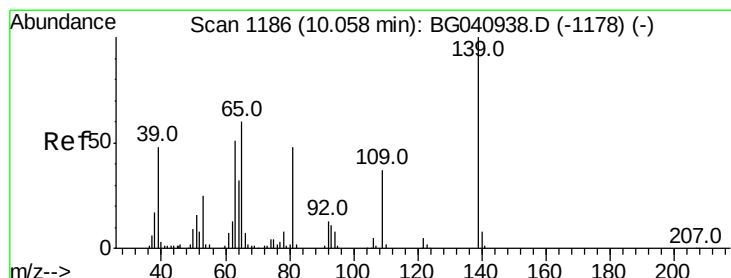
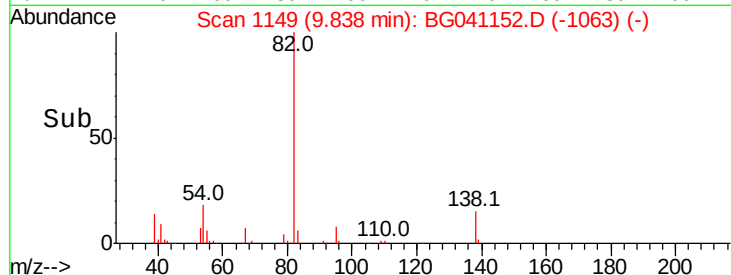
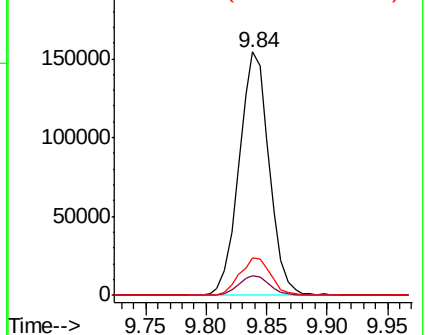
138 15.4 12.6 19.0



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: 76.175 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

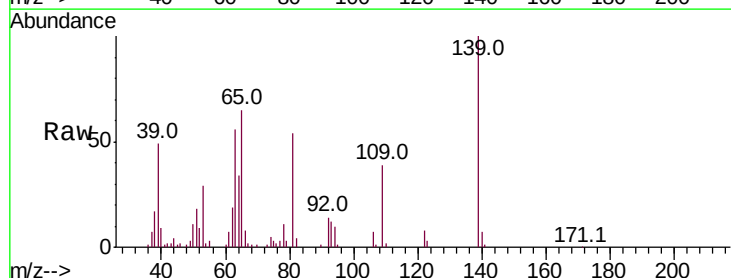
Tgt Ion: 139 Resp: 66744

Ion Ratio Lower Upper

139 100

109 39.4 29.8 44.6

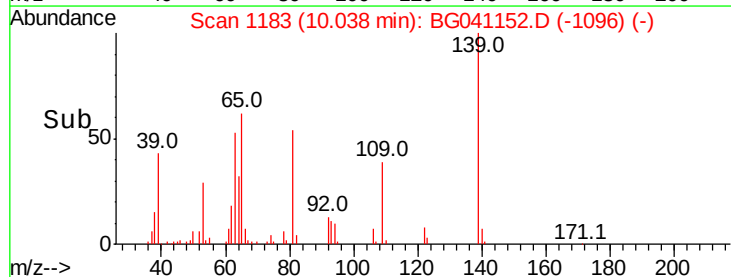
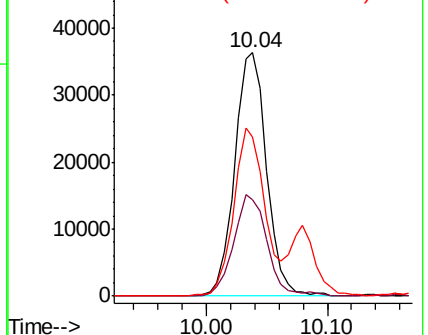
65 65.2 47.8 71.6

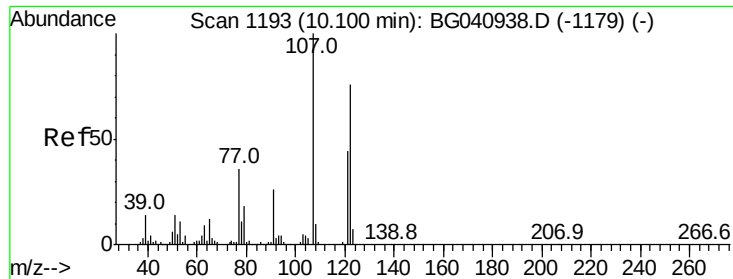


Abundance Ion 139.00 (138.70 to 139.70): BG040938.D (-1178) (-)

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

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

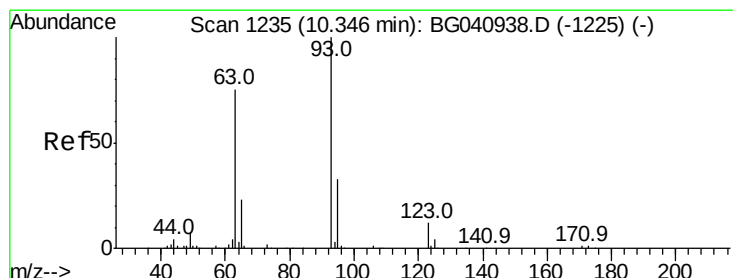
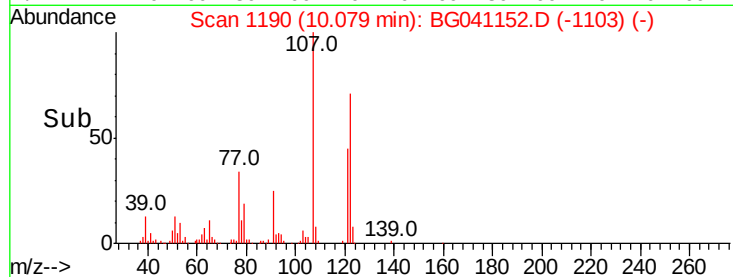
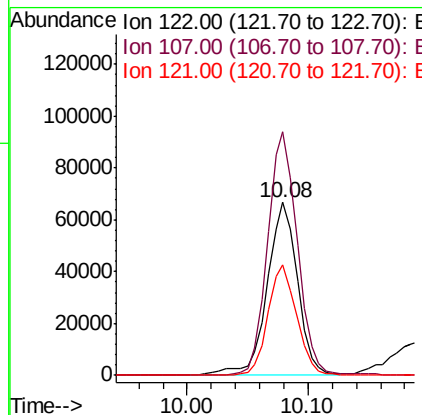
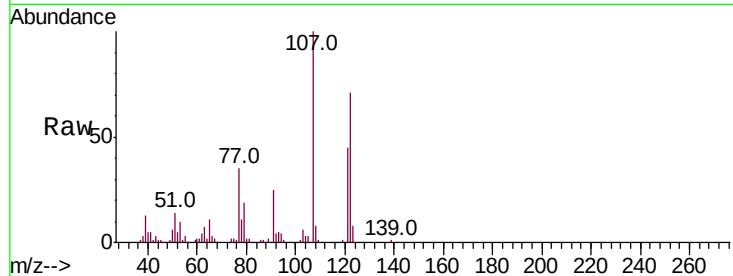




#27
 2,4-Dimethylphenol
 Concen: 79.980 ng
 RT: 10.08 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

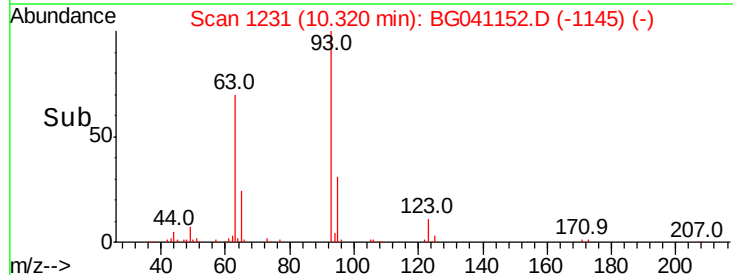
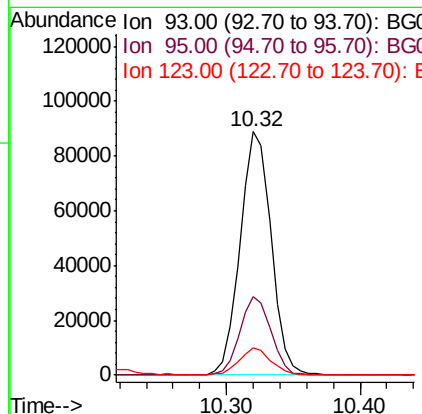
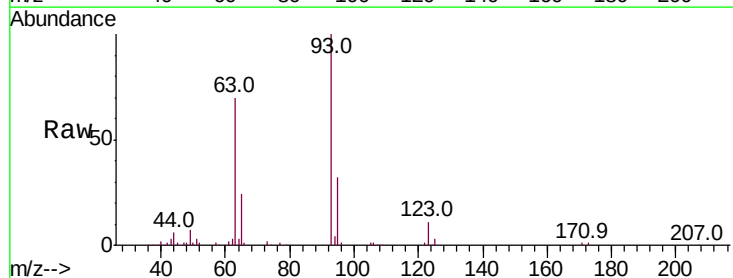
Instrument :
 BNA_G
 ClientSampleId :
 SOILBS01

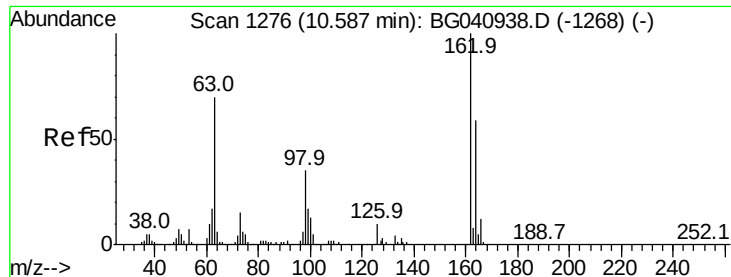
Tot Ion	Ratio	Lower	Upper
122	100		
107	140.8	105.9	158.9
121	64.0	46.2	69.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 66.620 ng
 RT: 10.32 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.2
123	11.4	9.5	14.3





#29

2,4-Dichlorophenol

Concen: 74.696 ng

RT: 10.57 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

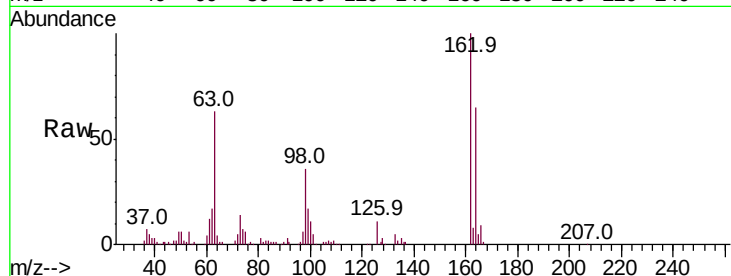
Tot Ion:162 Resp: 137263

Ion Ratio Lower Upper

162 100

164 65.2 39.4 79.4

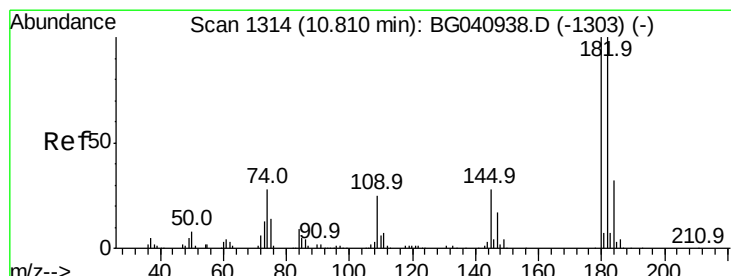
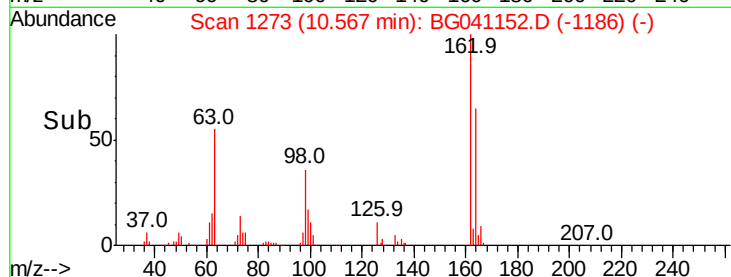
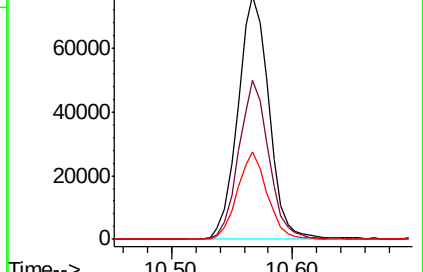
98 36.0 15.3 55.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 68.137 ng

RT: 10.78 min Scan# 1310

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

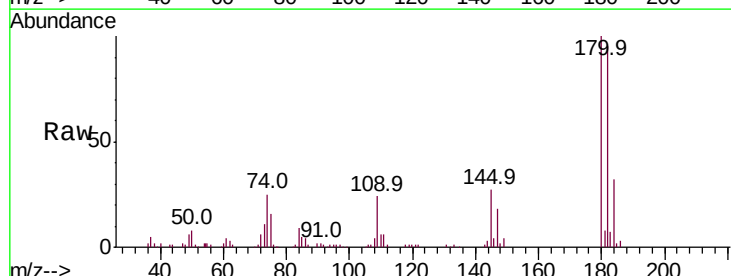
Tgt Ion:180 Resp: 142439

Ion Ratio Lower Upper

180 100

182 94.5 79.7 119.5

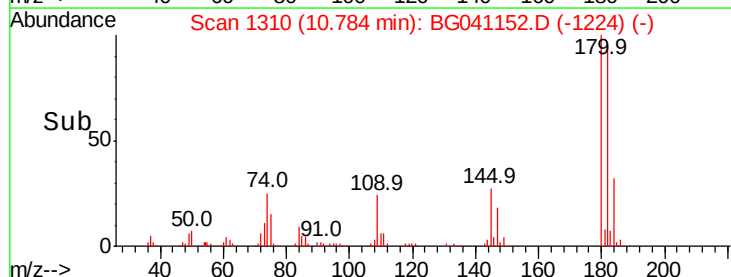
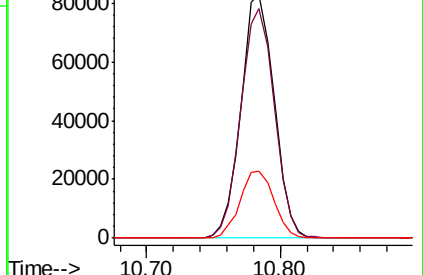
145 27.4 22.6 34.0

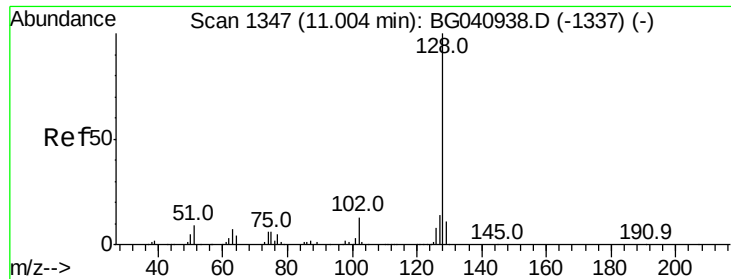


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

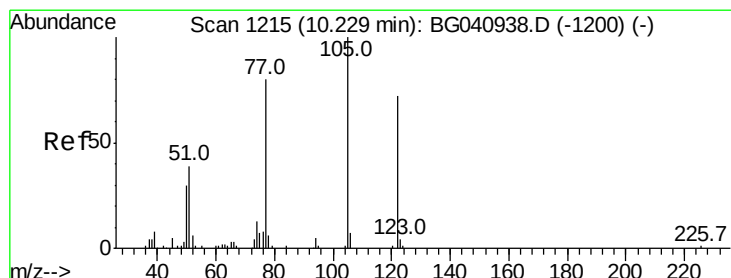
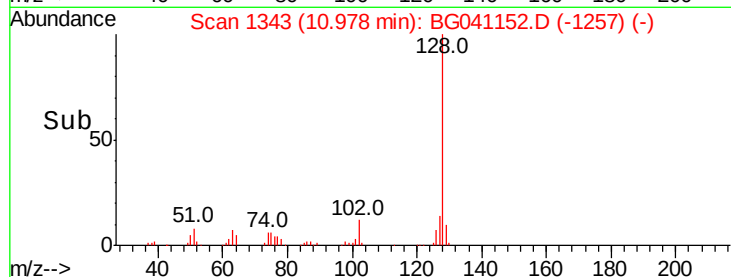
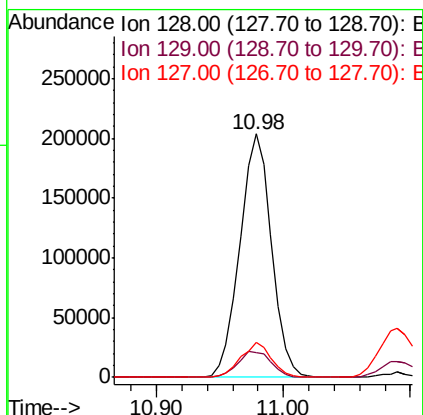
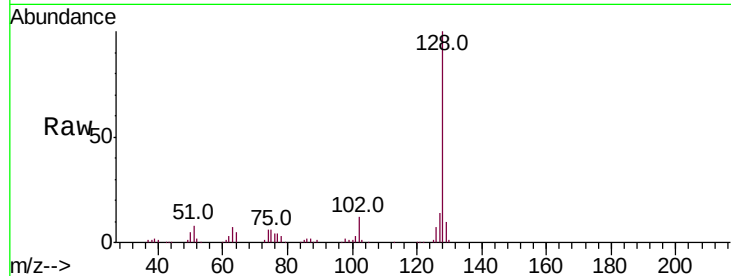




#31
Naphthalene
Concen: 70.784 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

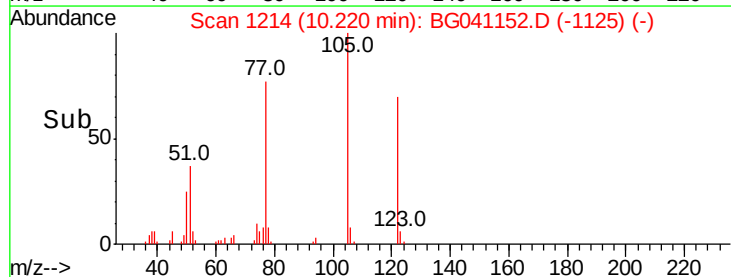
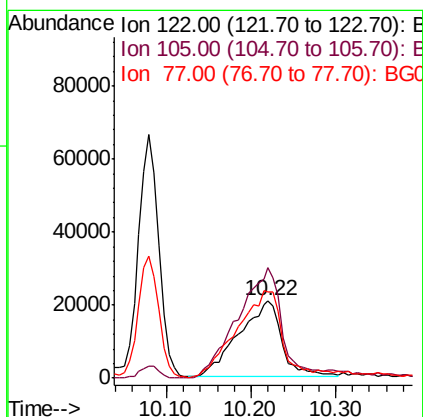
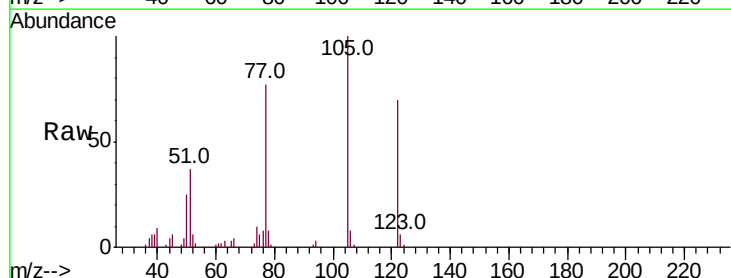
Instrument :
BNA_G
ClientSampleId :
SOILBS01

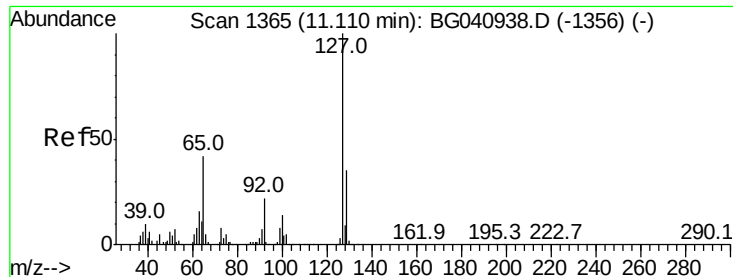
Tot Ion:128 Resp: 351871
Ion Ratio Lower Upper
128 100
129 10.4 8.5 12.7
127 14.2 11.4 17.2



#32
Benzoic acid
Concen: 62.517 ng
RT: 10.22 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion:122 Resp: 73676
Ion Ratio Lower Upper
122 100
105 143.6 114.8 154.8
77 110.8 89.9 129.9

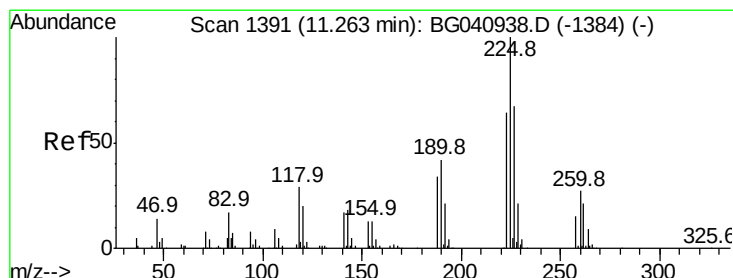
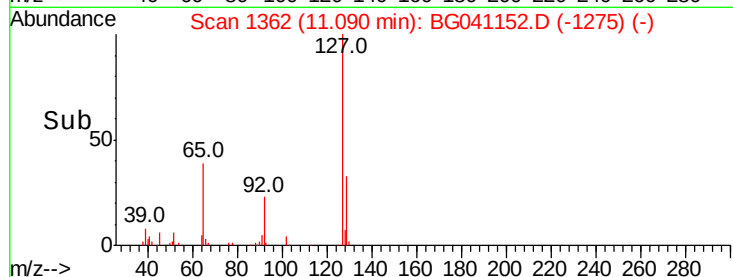
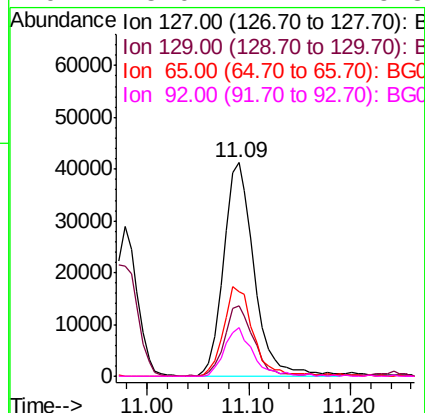
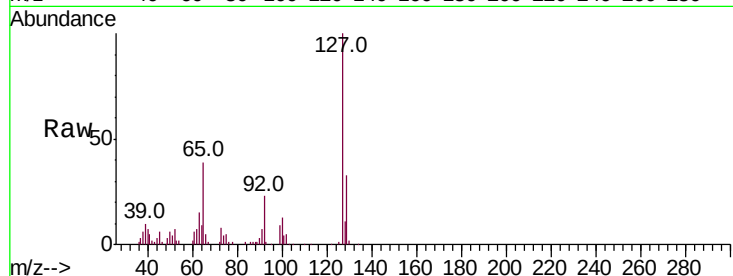




#33
4-Chloroaniline
Concen: 37.215 ng
RT: 11.09 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

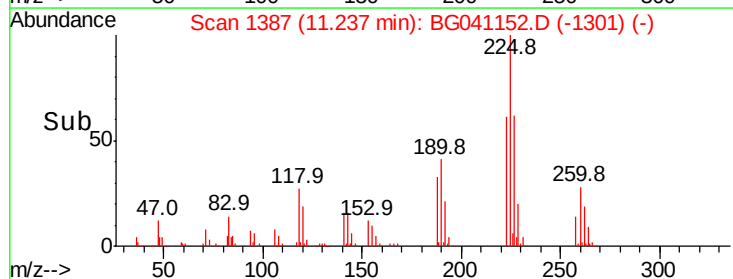
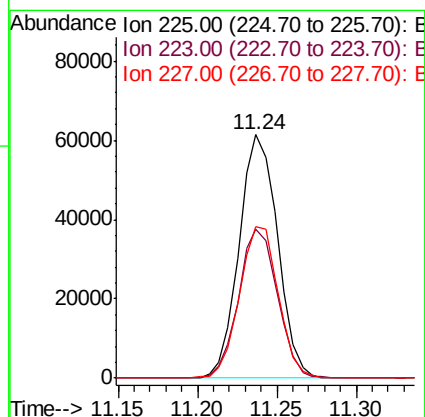
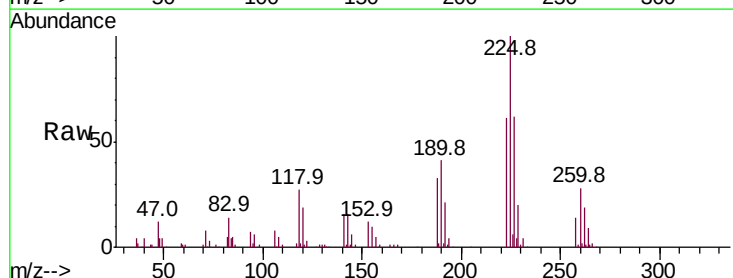
Instrument :
BNA_G
ClientSampleId :
SOILBS01

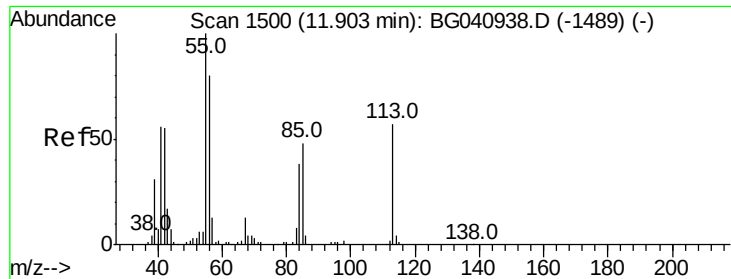
Tot Ion:127	Resp:	85838
Ion Ratio	Lower	Upper
127	100	
129	33.0	27.7 41.5
65	39.5	33.2 49.8
92	23.0	17.2 25.8



#34
Hexachlorobutadiene
Concen: 64.541 ng
RT: 11.24 min Scan# 1387
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion:225	Resp:	103236
Ion Ratio	Lower	Upper
225	100	
223	60.9	48.8 73.2
227	62.1	51.4 77.0

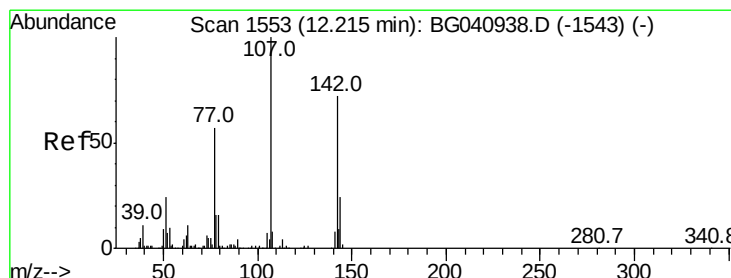
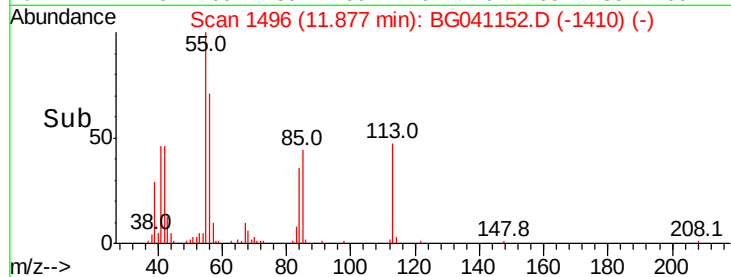
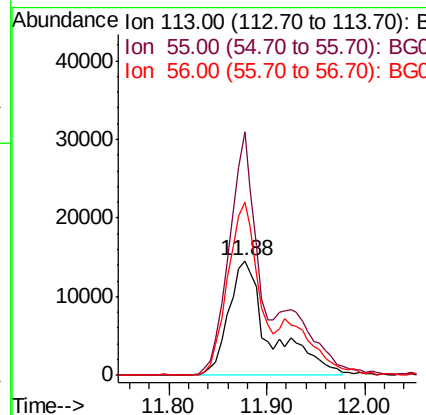
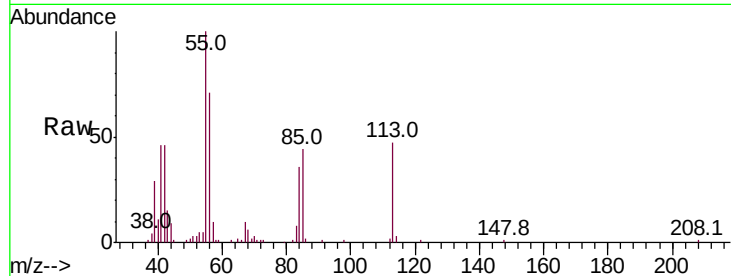




#35
 Caprolactam
 Concen: 71.048 ng/ml
 RT: 11.88 min Scan# 1496
 Delta R.T. -0.03 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

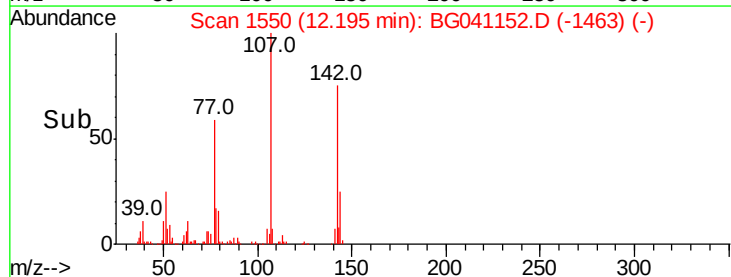
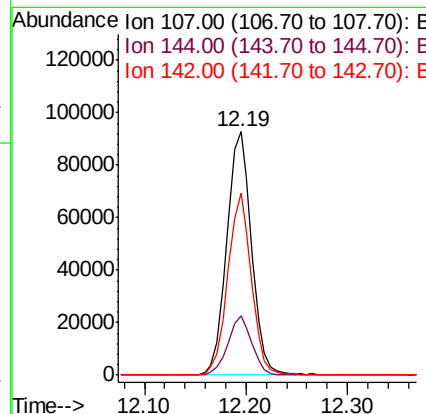
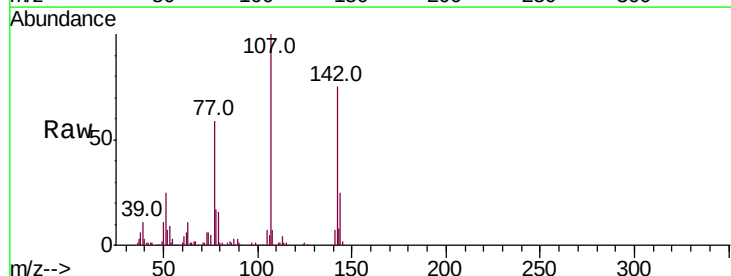
Instrument :
 BNA_G
 ClientSampleID :
 SOILBS01

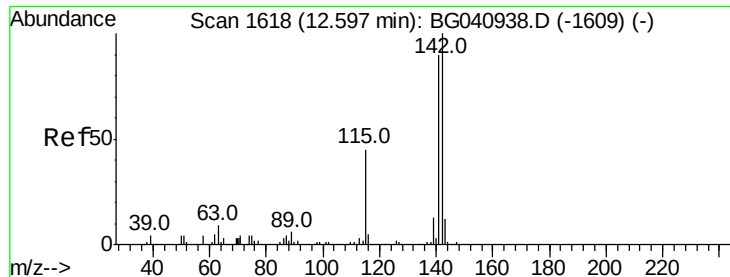
Tot Ion:113 Resp: 43114
 Ion Ratio Lower Upper
 113 100
 55 212.0 155.9 195.9#
 56 150.4 119.9 159.9



#36
 4-Chloro-3-methylphenol
 Concen: 75.042 ng/ml
 RT: 12.19 min Scan# 1550
 Delta R.T. -0.02 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

Tgt Ion:107 Resp: 157489
 Ion Ratio Lower Upper
 107 100
 144 24.5 19.4 29.0
 142 75.1 57.3 85.9

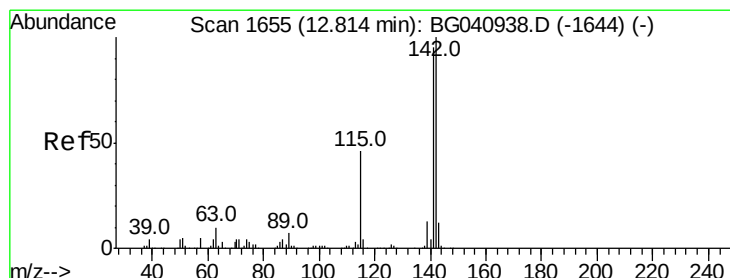
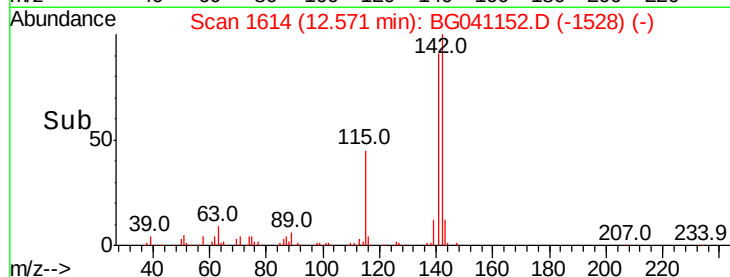
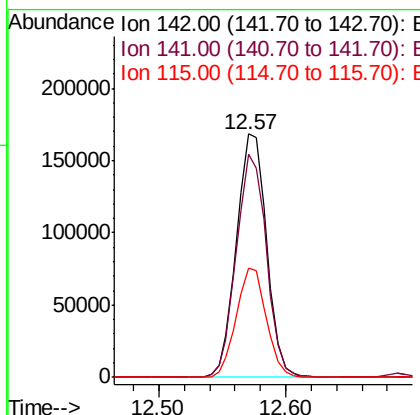
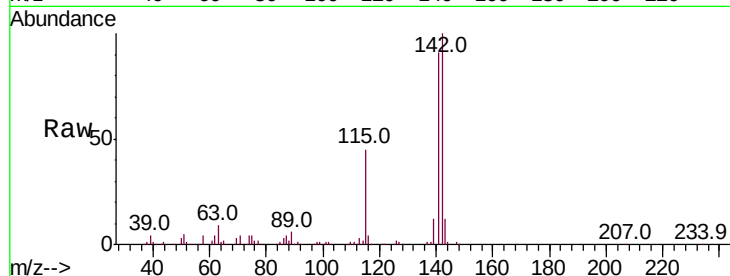




#37
2-Methylnaphthalene
Concen: 72.538 ng
RT: 12.57 min Scan# 1614
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

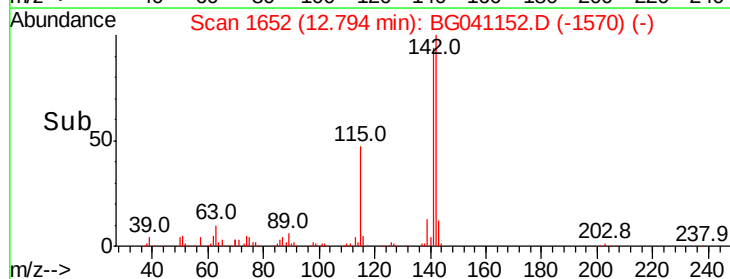
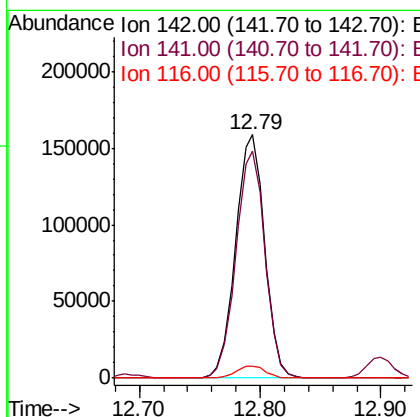
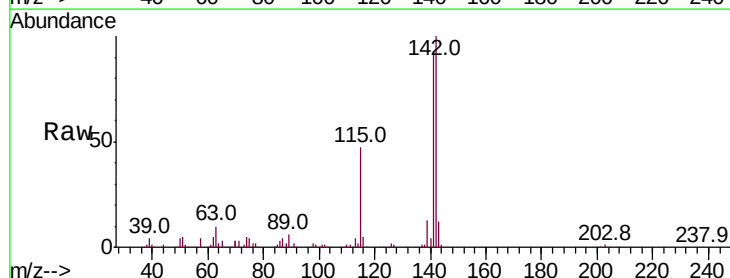
Instrument :
BNA_G
ClientSampleId :
SOILBS01

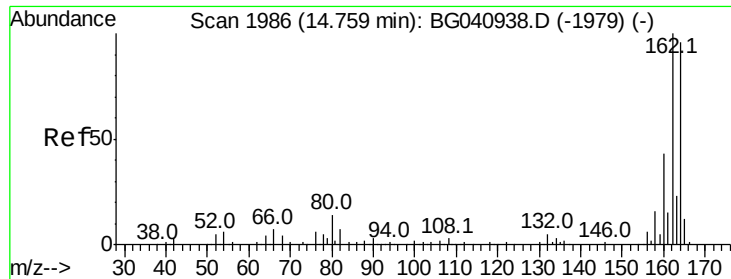
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.2	108.4
115	44.7	36.2	54.4



#38
1-Methylnaphthalene
Concen: 73.623 ng
RT: 12.79 min Scan# 1652
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.4	75.7	113.5
116	5.1	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: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

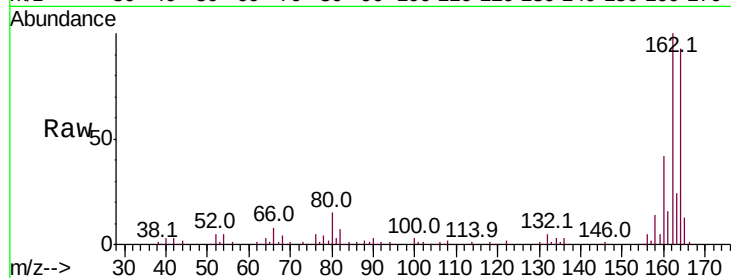
Tot Ion:164 Resp: 72823

Ion Ratio Lower Upper

164 100

162 107.1 83.0 124.4

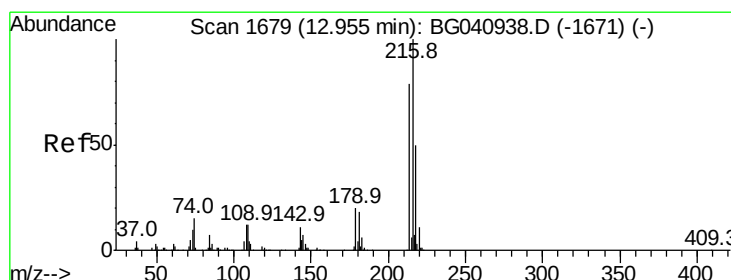
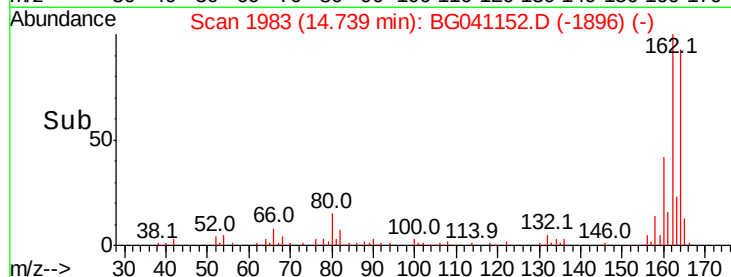
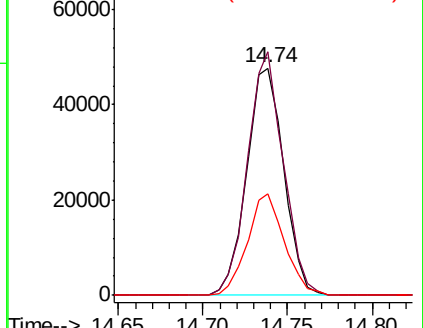
160 44.9 35.6 53.4



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: 68.968 ng

RT: 12.93 min Scan# 1676

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Tgt Ion:216 Resp: 202433

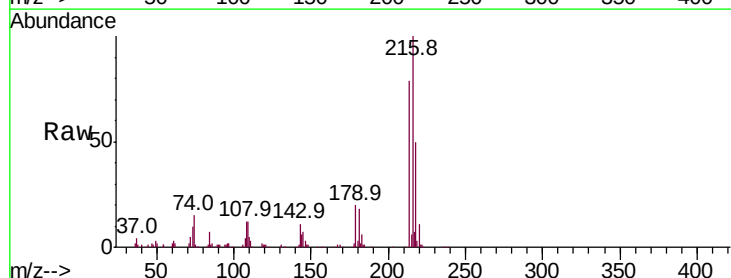
Ion Ratio Lower Upper

216 100

214 79.4 63.4 95.2

179 19.1 15.2 22.8

108 16.2 11.4 17.2

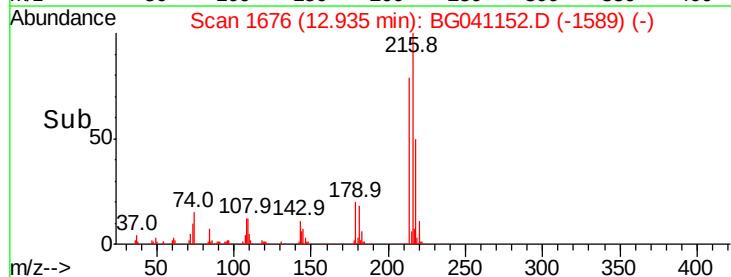
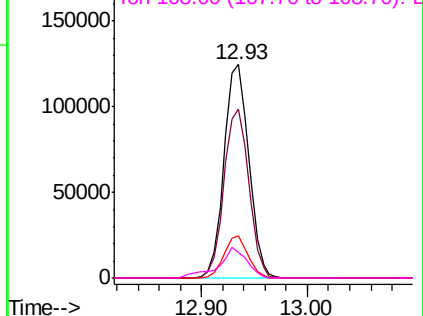


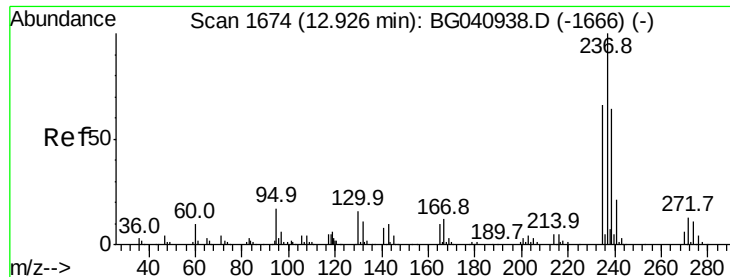
Abundance Ion 216.00 (215.70 to 216.70): E

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: 133.290 ng

RT: 12.90 min Scan# 1670

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

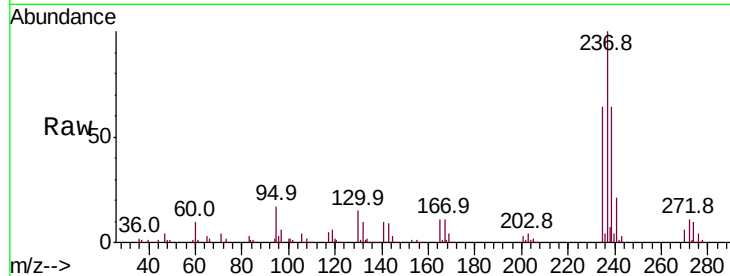
Tot Ion:237 Resp: 219951

Ion Ratio Lower Upper

237 100

235 63.9 45.5 85.5

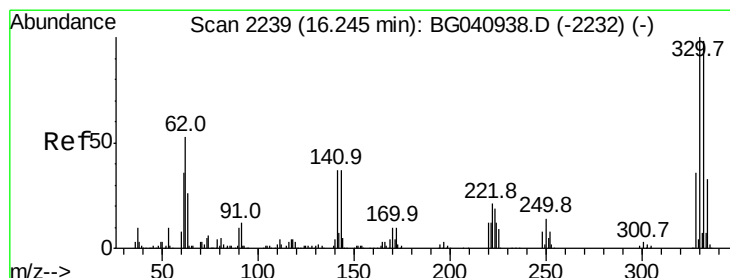
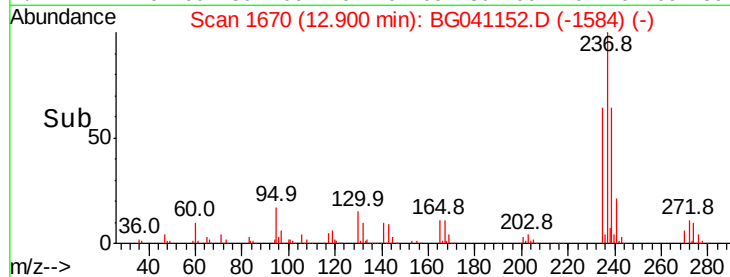
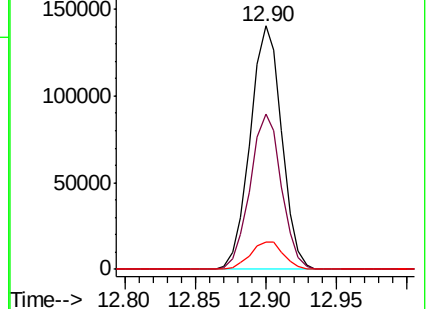
272 11.4 0.0 32.9



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: 146.285 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

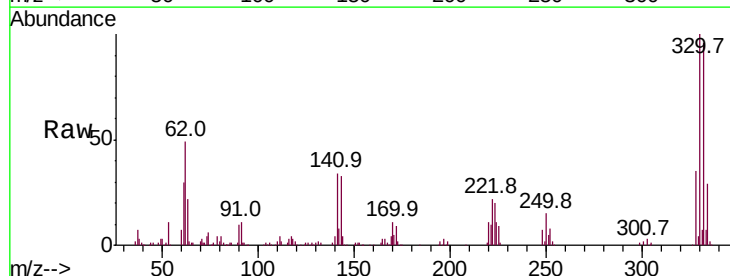
Tgt Ion:330 Resp: 158150

Ion Ratio Lower Upper

330 100

332 96.6 78.5 117.7

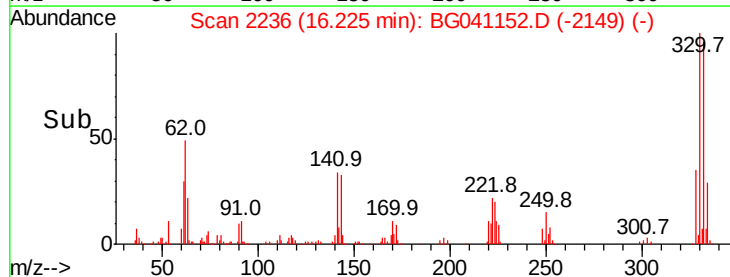
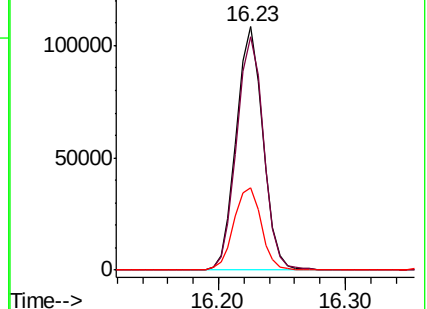
141 34.6 28.7 43.1

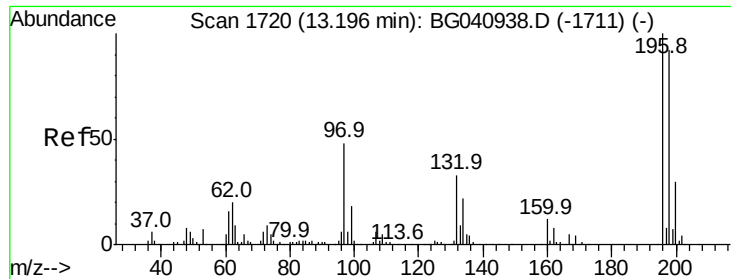


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

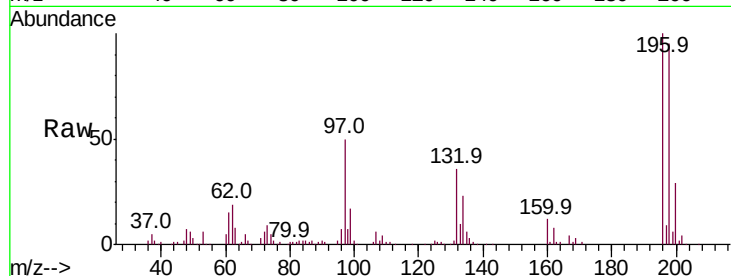




#43
 2,4,6-Trichlorophenol
 Concen: 71.038 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.02 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

Instrument :
 BNA_G
 ClientSampleId :
 SOILBS01

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.1	73.8	110.6
200	29.1	24.1	36.1

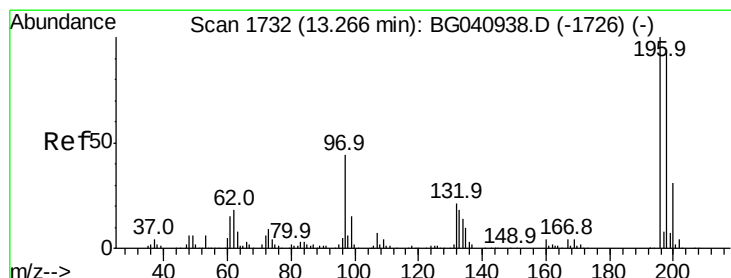
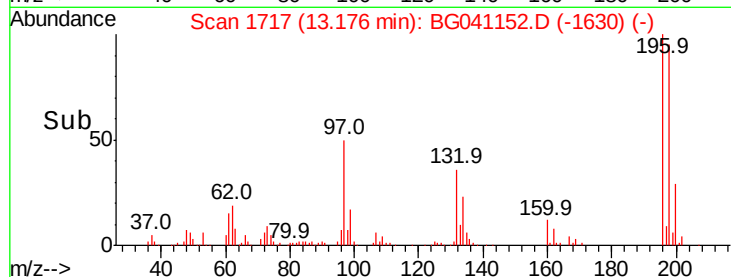
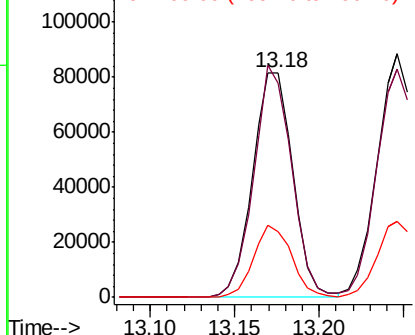


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 73.901 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.8	75.1	112.7
97	47.2	35.6	53.4
132	23.1	16.7	25.1

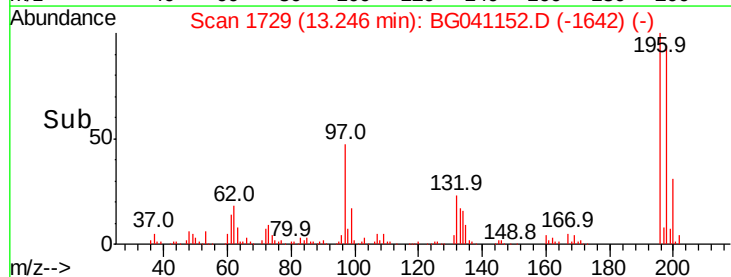
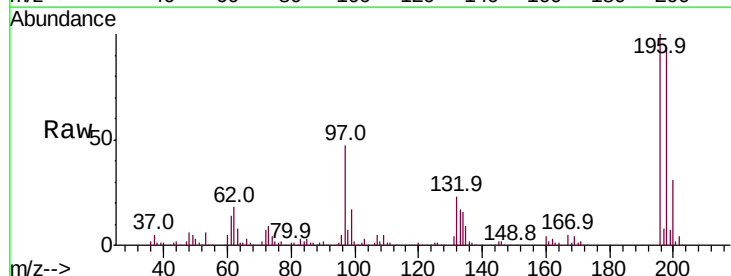
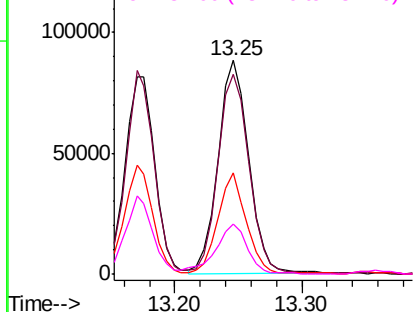
Abundance

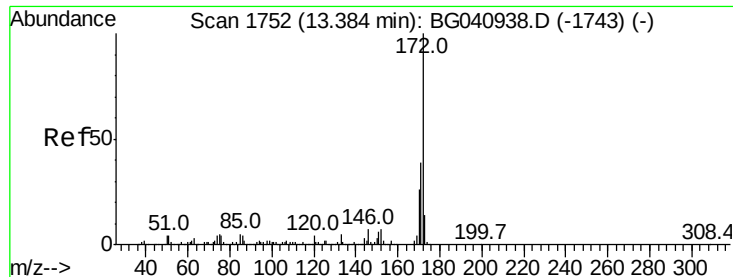
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

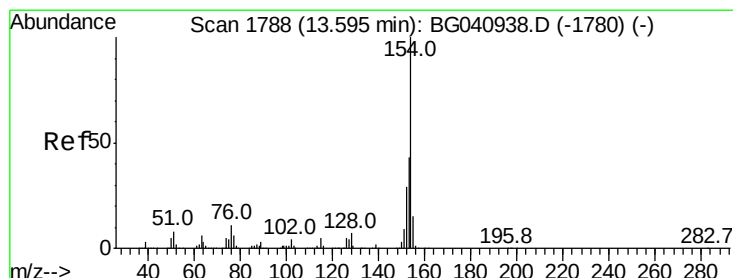
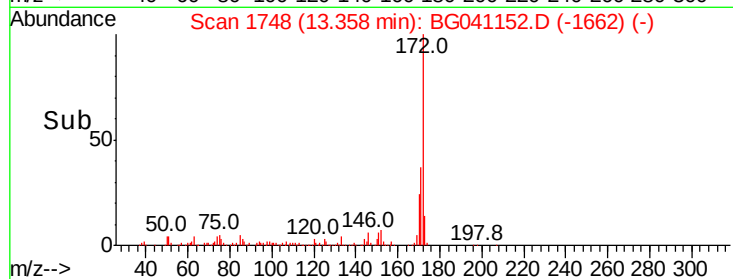
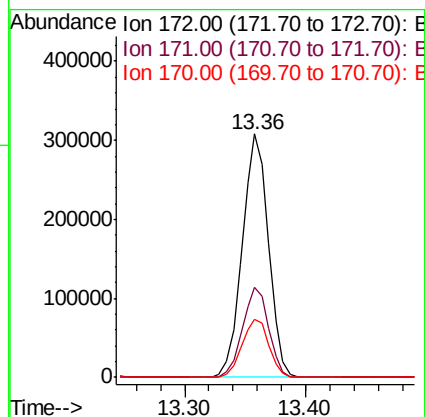
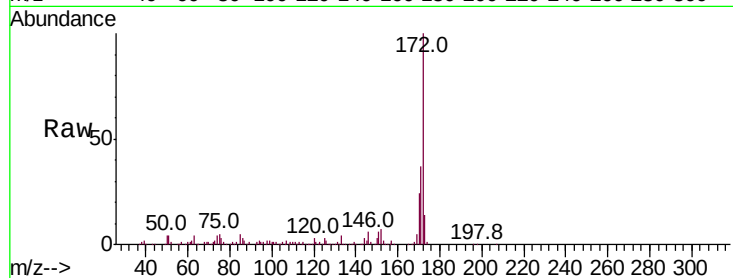




#45
2-Fluorobiphenyl
Concen: 92.007 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

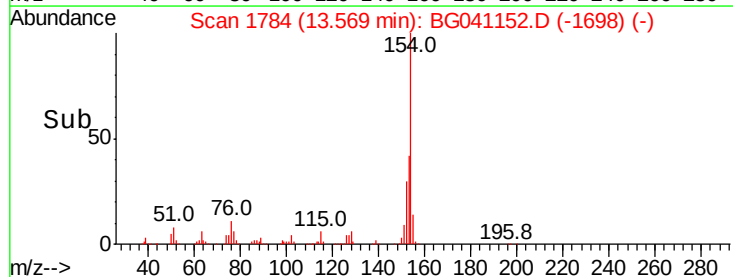
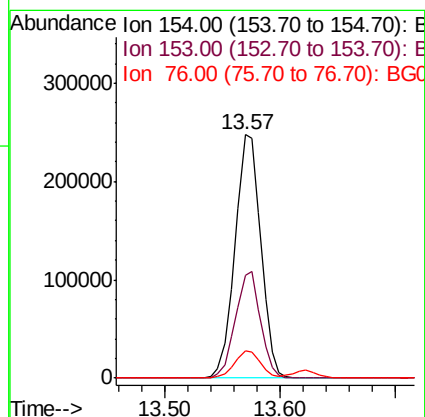
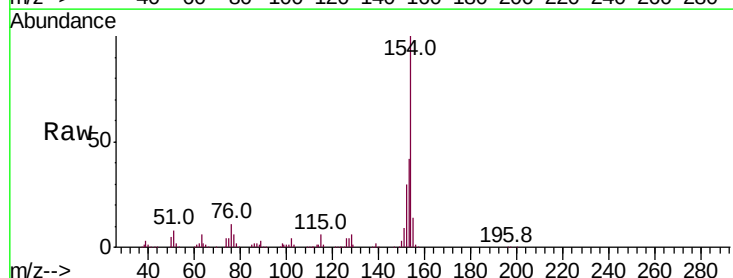
Instrument :
BNA_G
ClientSampleId :
SOILBS01

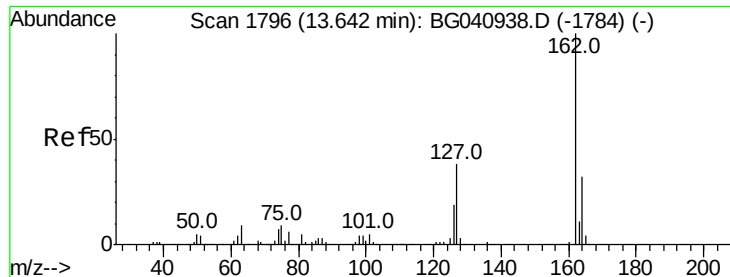
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	31.1	46.7
170	23.8	20.5	30.7



#46
1,1'-Biphenyl
Concen: 70.991 ng
RT: 13.57 min Scan# 1784
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	23.3	63.3
76	11.0	0.0	31.1

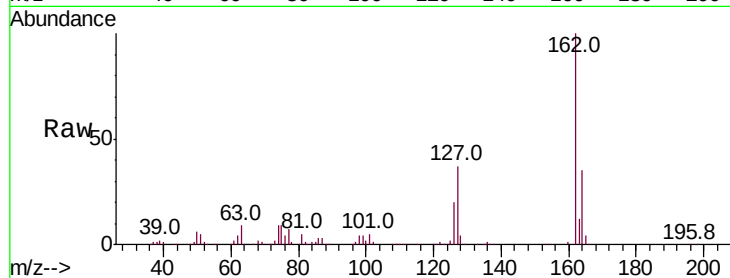




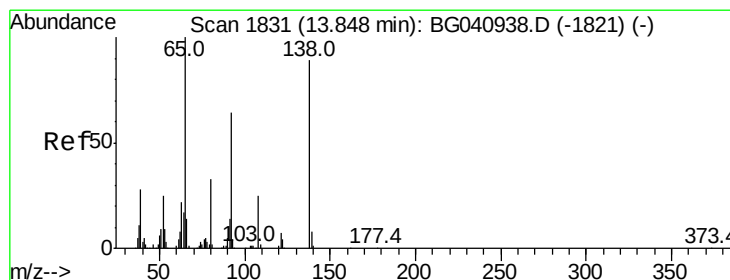
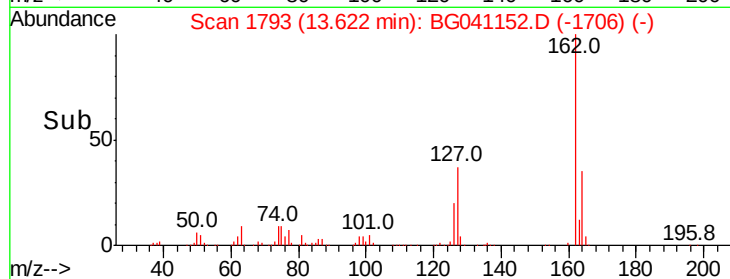
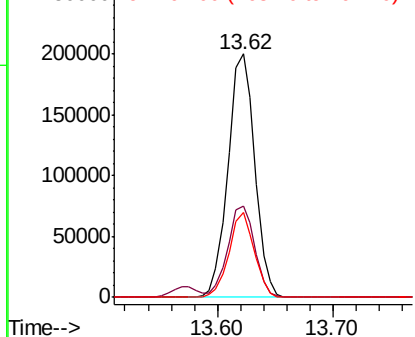
#47
2-Chloronaphthalene
Concen: 69.233 ng
RT: 13.62 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Instrument :
BNA_G
ClientSampleId :
SOILBS01

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.5	30.5	45.7
164	34.7	25.8	38.6

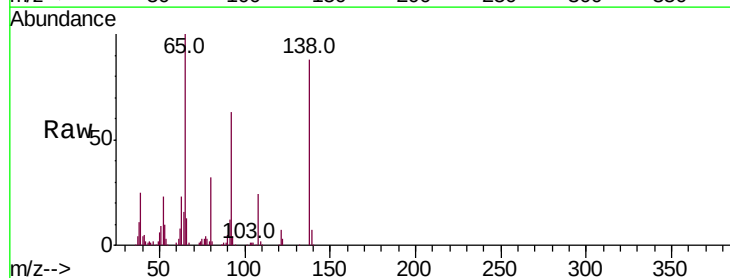


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

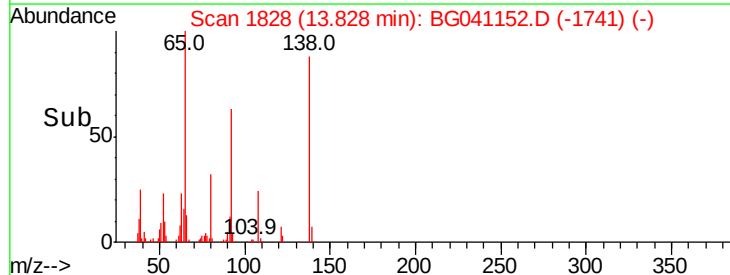
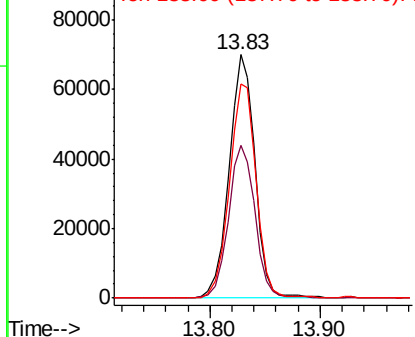


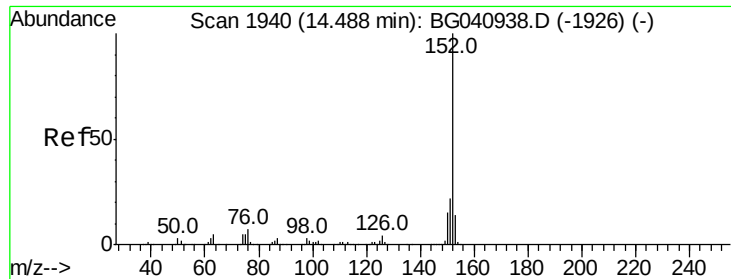
#48
2-Nitroaniline
Concen: 68.702 ng
RT: 13.83 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.0	51.0	76.6
138	88.2	71.2	106.8



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





#49

Acenaphthylene

Concen: 72.834 ng

RT: 14.46 min Scan# 1936

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

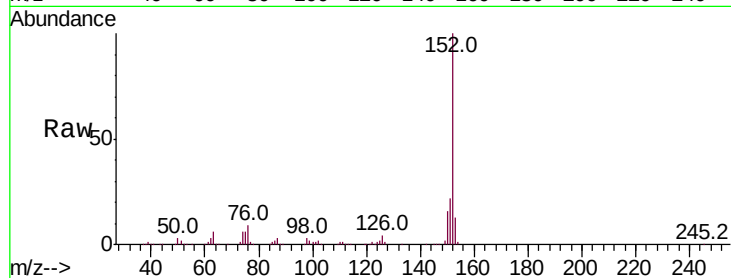
Tot Ion:152 Resp: 507282

Ion Ratio Lower Upper

152 100

151 21.6 17.4 26.0

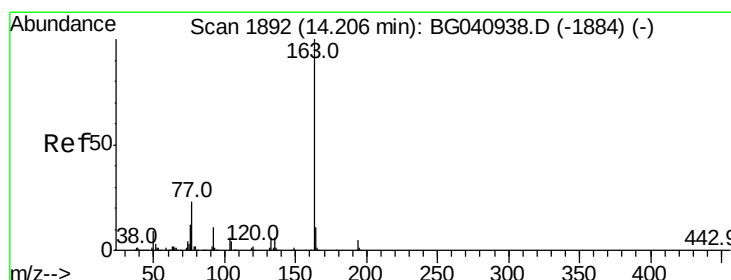
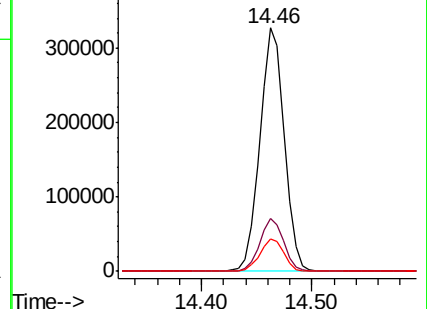
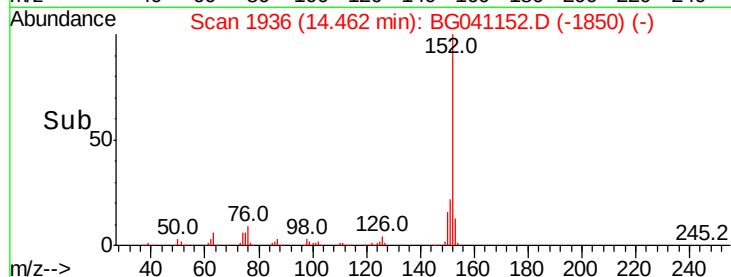
153 13.4 11.0 16.4



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: 67.730 ng

RT: 14.19 min Scan# 1889

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

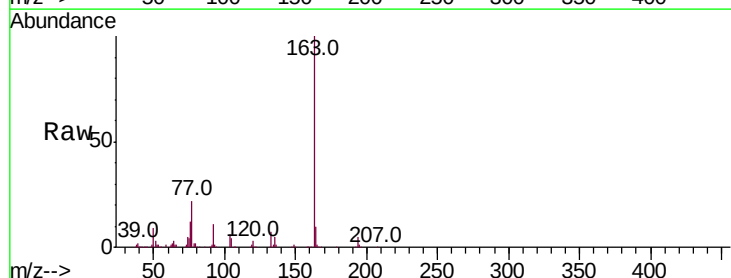
Tgt Ion:163 Resp: 417522

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.8

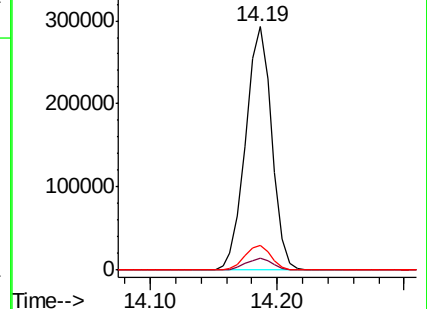
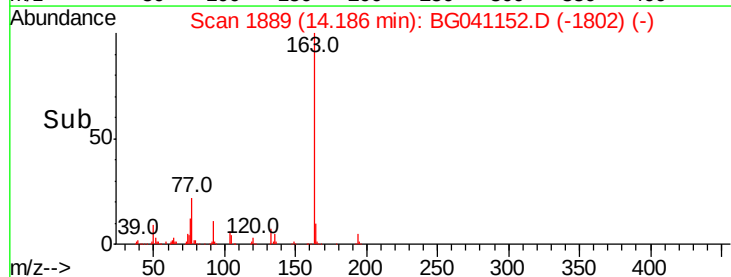
164 10.1 8.7 13.1

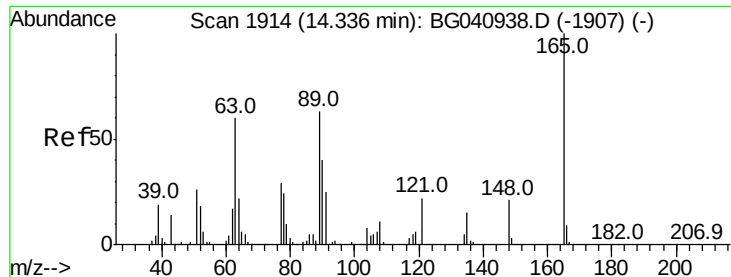


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 72.162 ng

RT: 14.32 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

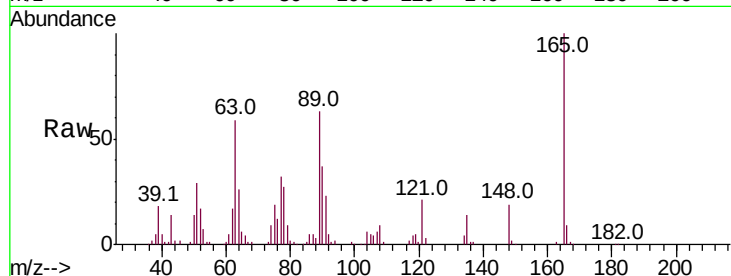
Tot Ion:165 Resp: 95912

Ion Ratio Lower Upper

165 100

63 59.3 53.6 80.4

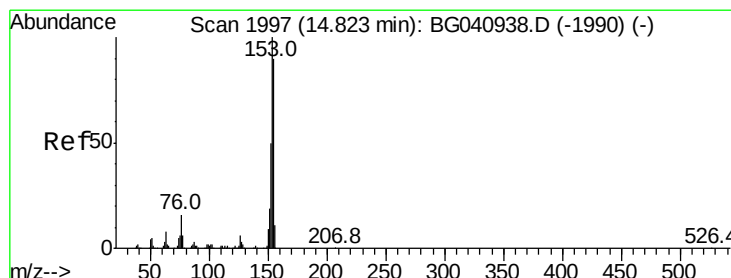
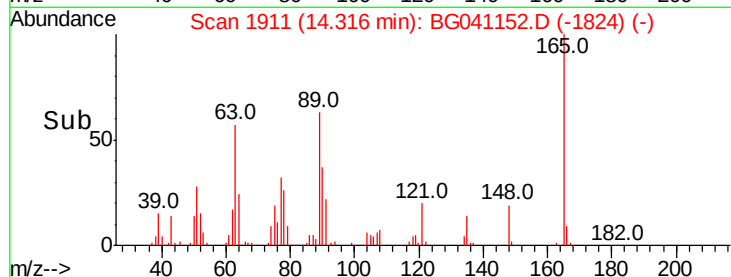
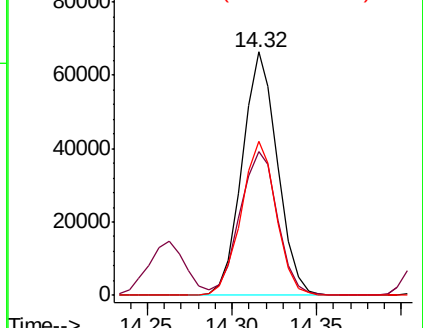
89 63.3 50.4 75.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 69.985 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

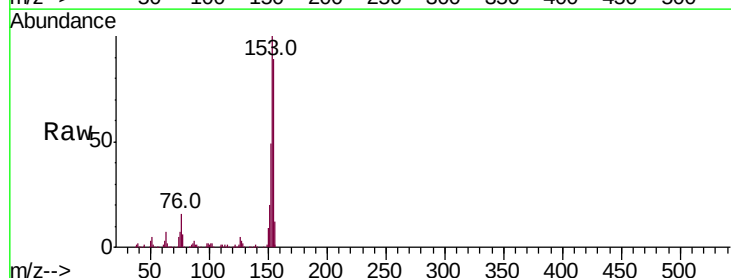
Tgt Ion:154 Resp: 295286

Ion Ratio Lower Upper

154 100

153 112.4 88.6 133.0

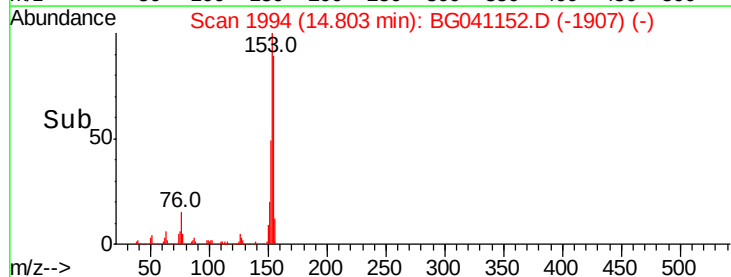
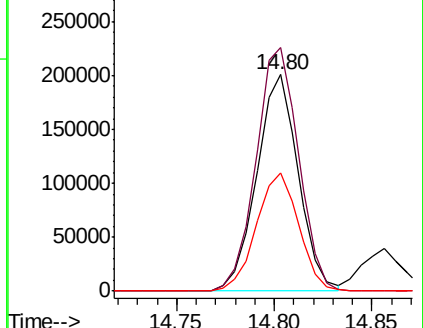
152 54.6 44.2 66.4

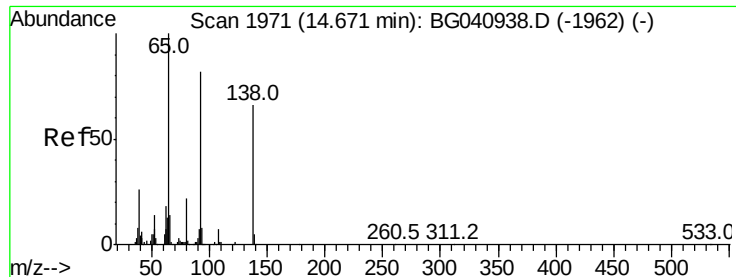


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 50.197 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

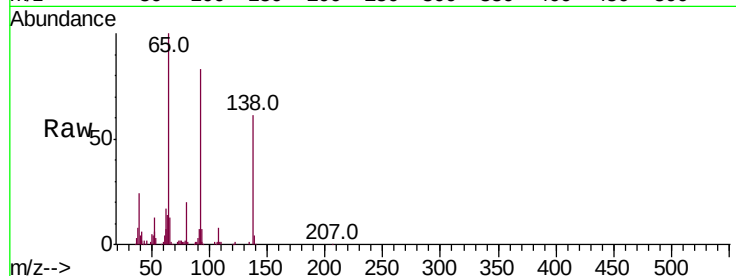
Tot Ion:138 Resp: 66716

Ion Ratio Lower Upper

138 100

108 12.8 8.5 12.7#

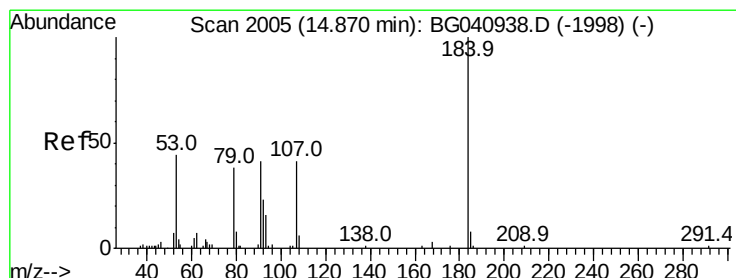
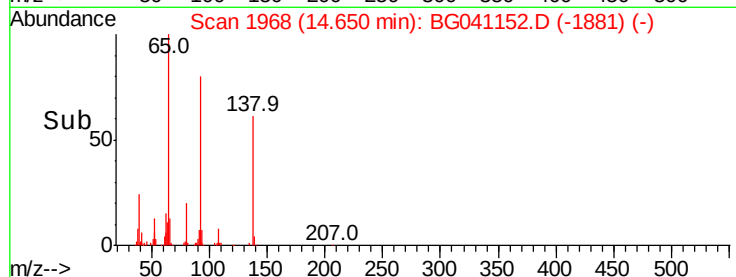
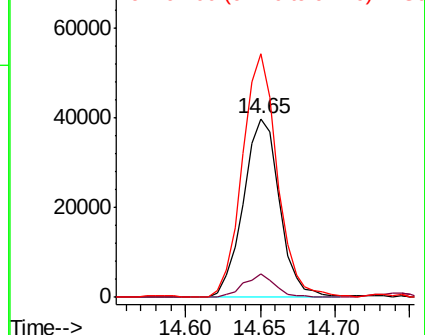
92 136.5 99.0 148.6



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: 120.463 ng

RT: 14.86 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

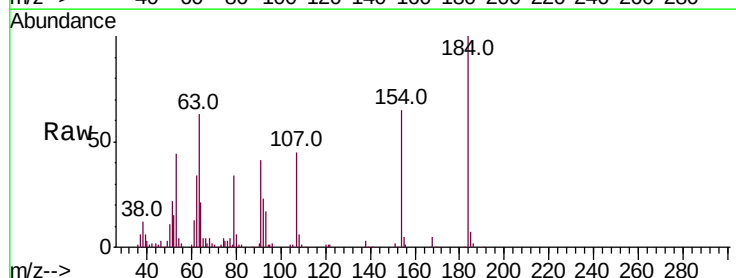
Tgt Ion:184 Resp: 101016

Ion Ratio Lower Upper

184 100

63 63.0 49.8 74.6

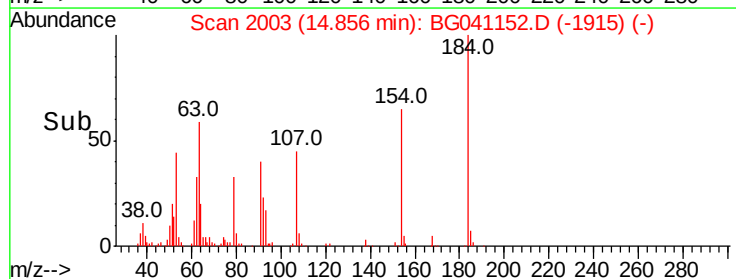
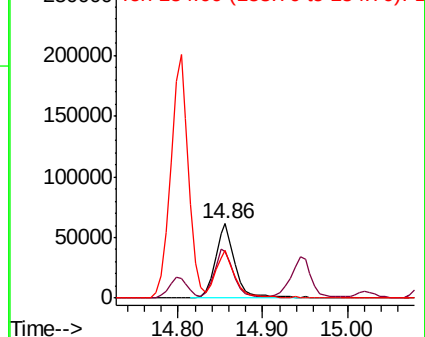
154 65.2 52.2 78.4

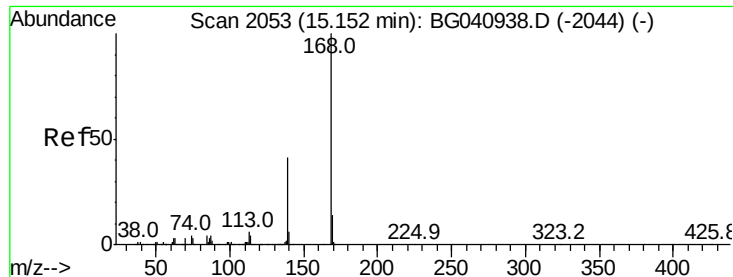


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 72.278 ng

RT: 15.13 min Scan# 2050

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

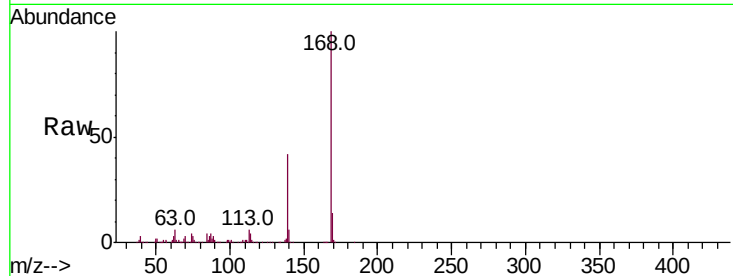
Tot Ion:168 Resp: 513146

Ion Ratio Lower Upper

168 100

139 41.7 32.8 49.2

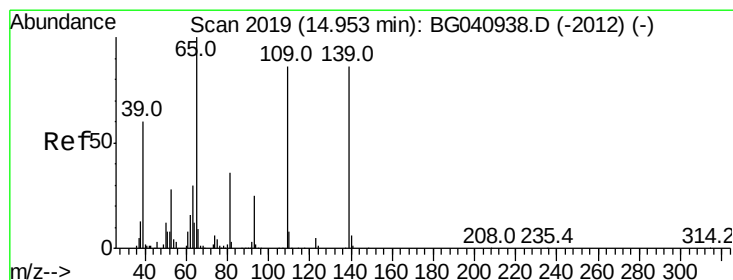
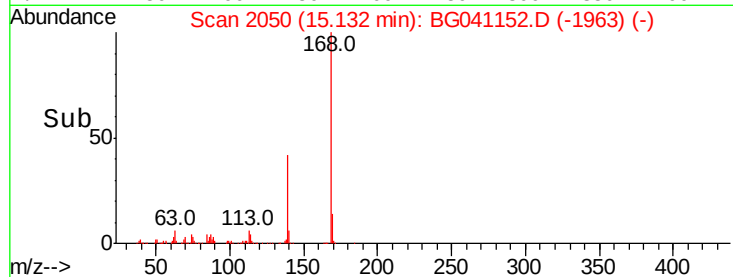
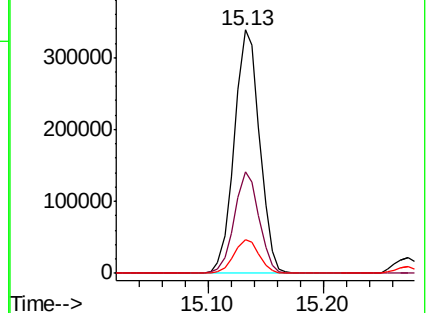
169 13.9 11.3 16.9



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: 158.057 ng

RT: 14.95 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

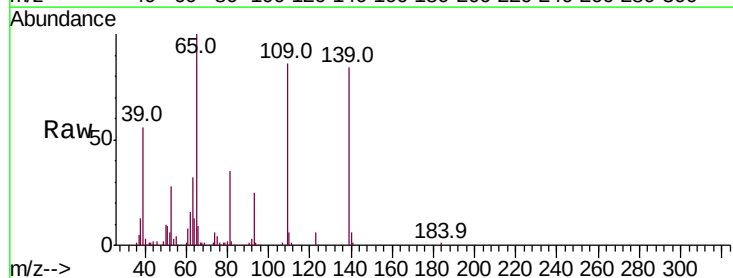
Tgt Ion:139 Resp: 144088

Ion Ratio Lower Upper

139 100

109 101.8 79.6 119.6

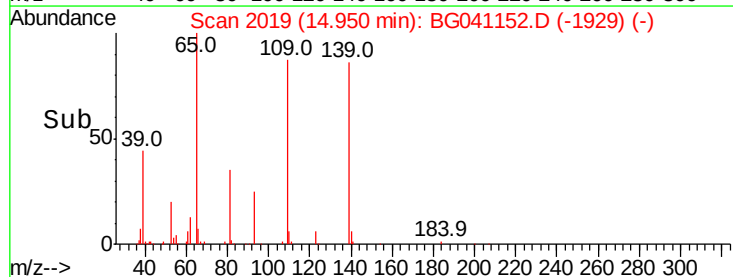
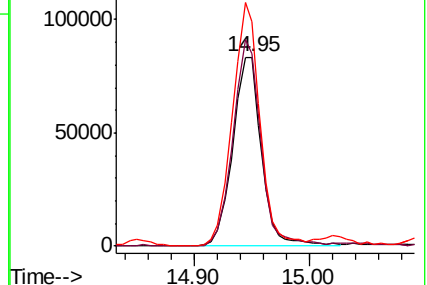
65 119.0 96.9 136.9

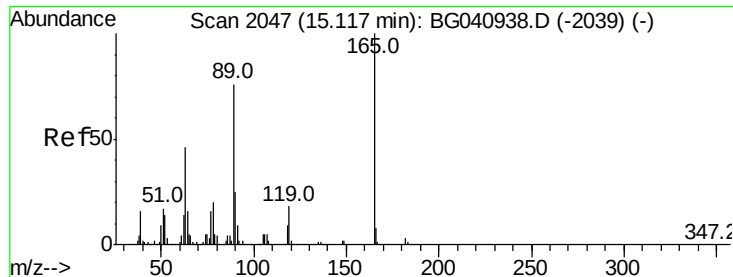


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E





#57

2,4-Dinitrotoluene

Concen: 74.625 ng

RT: 15.10 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

Tot Ion:165 Resp: 140107

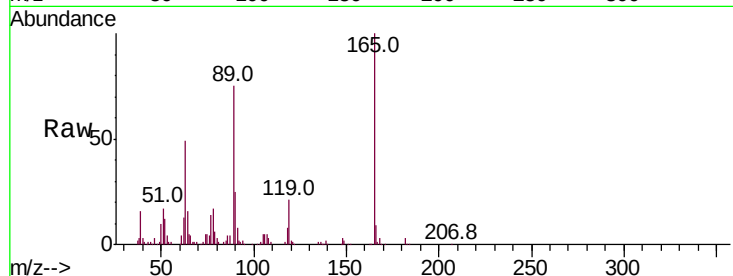
Ion Ratio Lower Upper

165 100

63 48.7 37.3 55.9

89 74.5 61.0 91.6

182 3.0 2.2 3.2

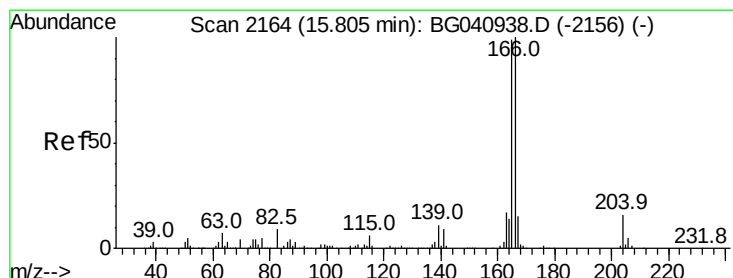
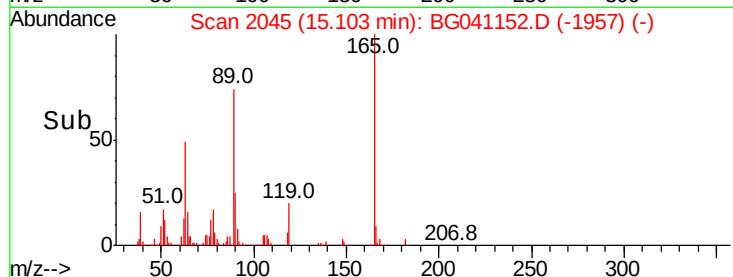
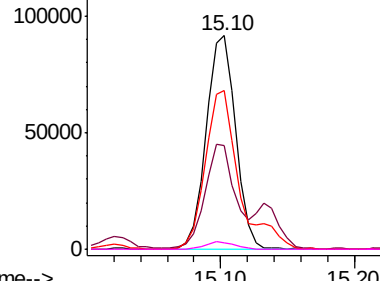


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 73.446 ng

RT: 15.78 min Scan# 2161

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

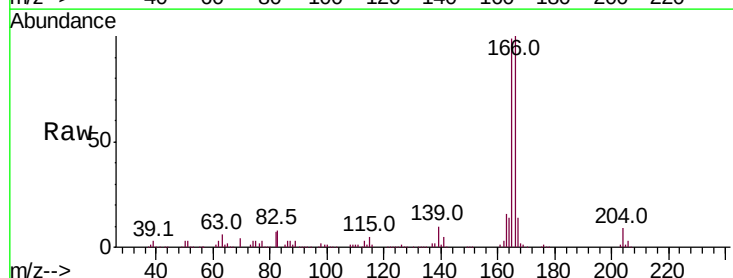
Tgt Ion:166 Resp: 415267

Ion Ratio Lower Upper

166 100

165 98.8 79.2 118.8

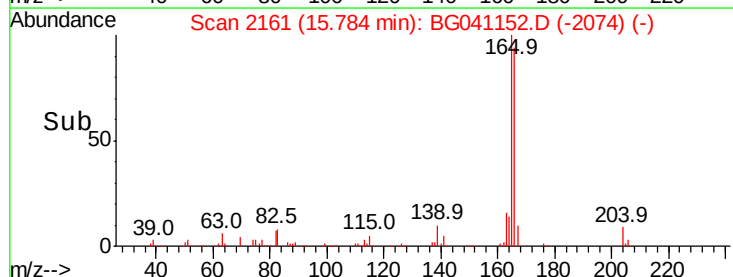
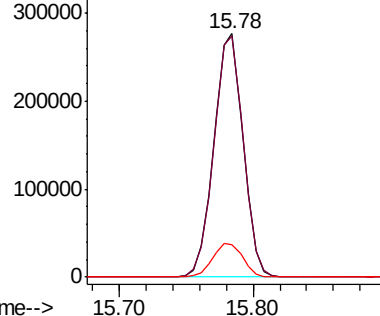
167 13.5 11.8 17.6

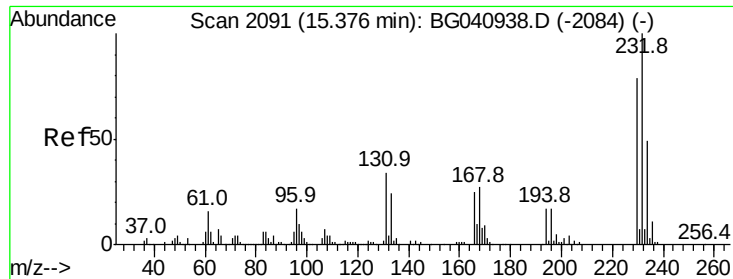


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

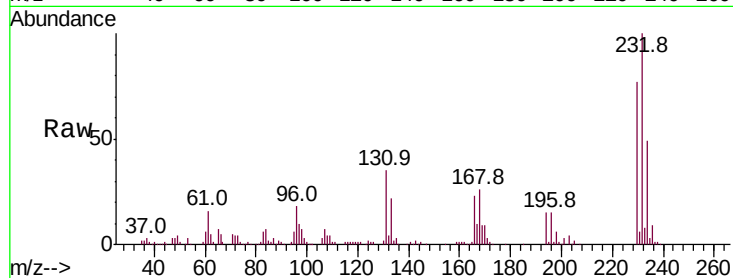




#59
2,3,4,6-Tetrachlorophenol
Concen: 80.101 ng
RT: 15.36 min Scan# 2088
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Instrument :
BNA_G
ClientSampleId :
SOILBS01

Tot Ion	Ratio	Lower	Upper
232	100		
131	34.8	30.3	45.5
130	2.2	1.8	2.8
166	24.5	21.3	31.9



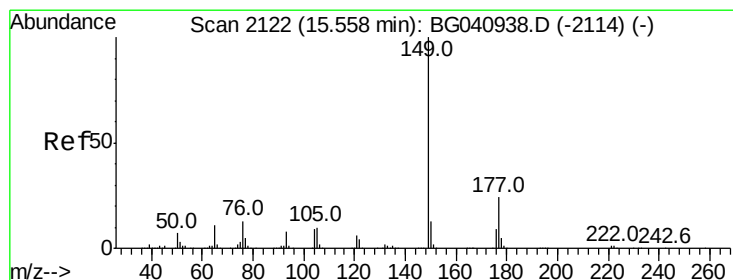
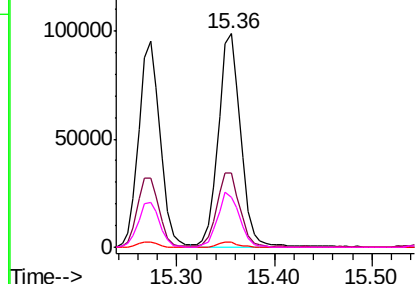
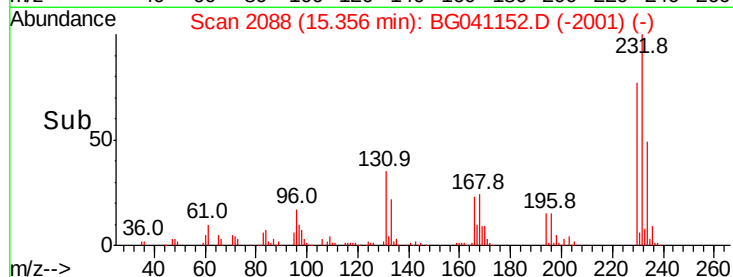
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

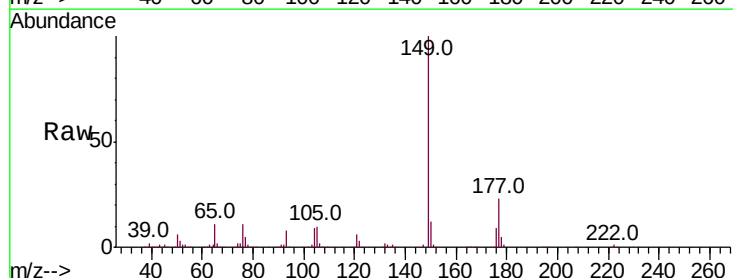
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 68.745 ng
RT: 15.54 min Scan# 2119
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	19.4	29.0
150	12.1	10.3	15.5

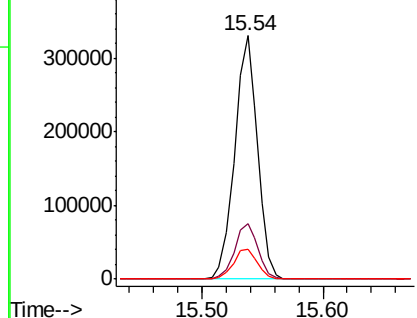
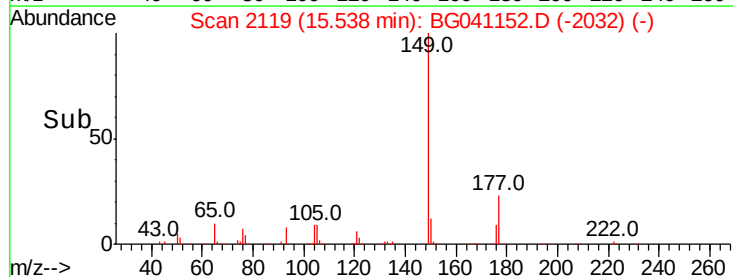


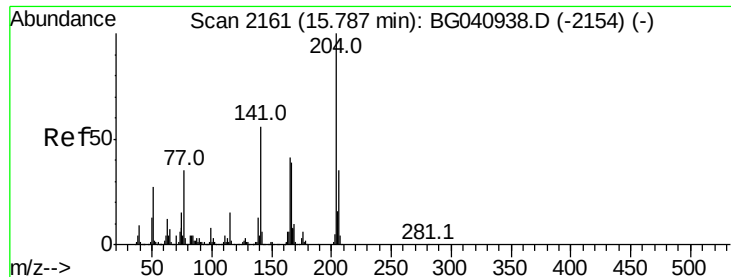
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

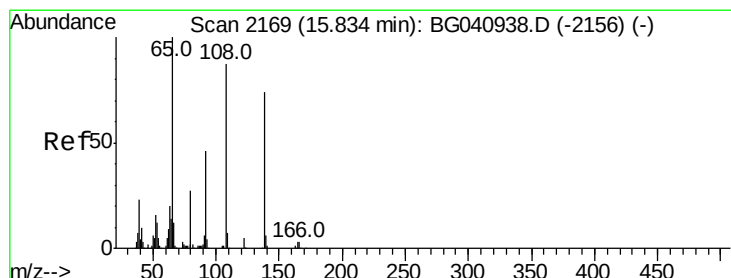
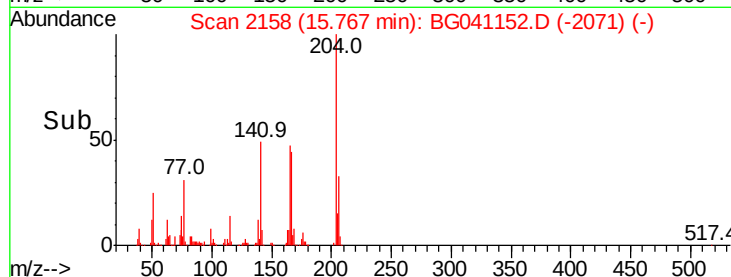
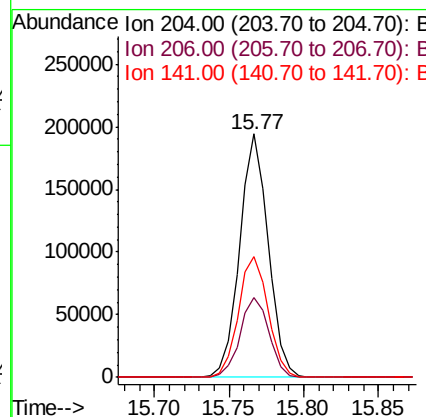
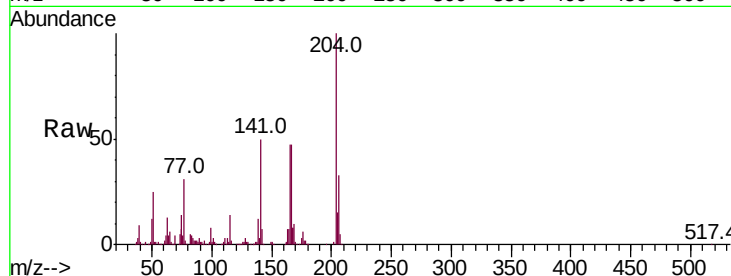




#61
4-Chlorophenyl-phenylether
Concen: 70.172 ng
RT: 15.77 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

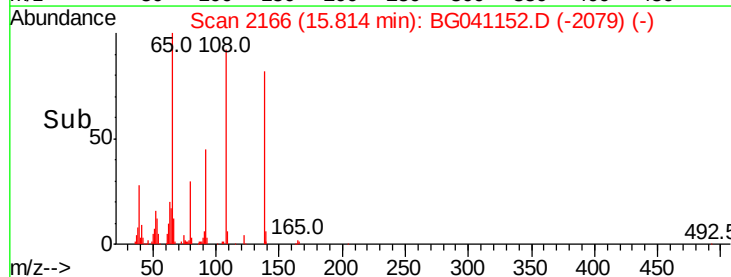
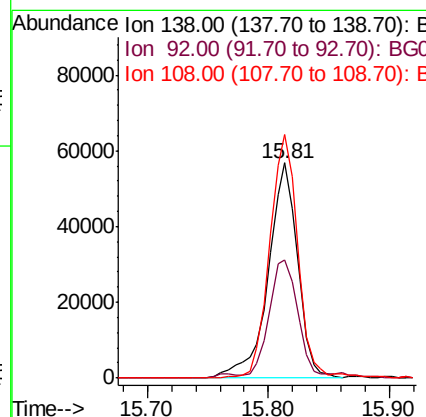
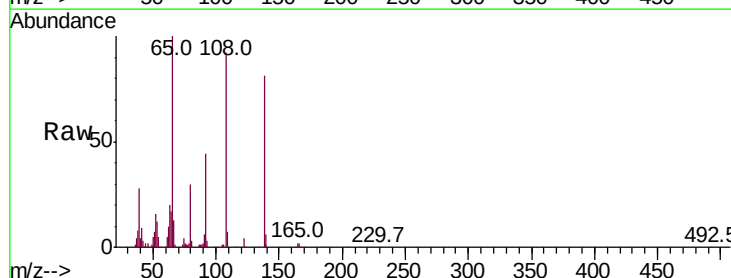
Instrument :
BNA_G
ClientSampleId :
SOILBS01

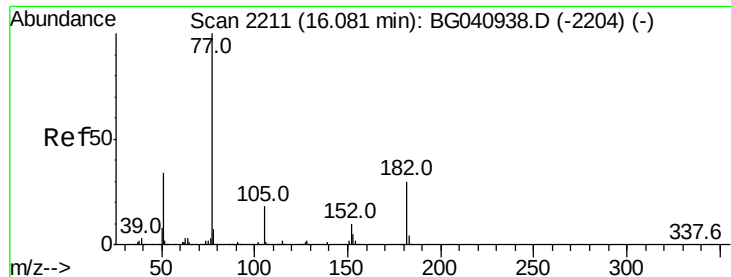
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.5	27.6	41.4
141	49.6	45.1	67.7



#62
4-Nitroaniline
Concen: 67.869 ng
RT: 15.81 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.7	42.4	82.4
108	113.1	96.9	136.9

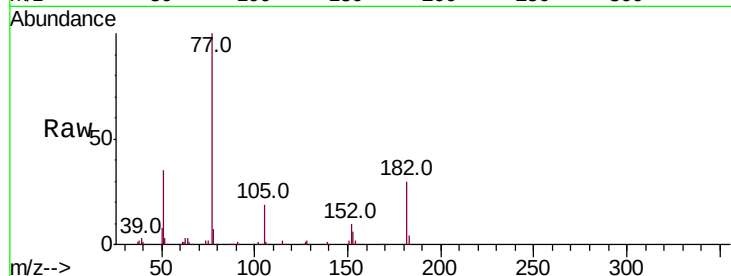




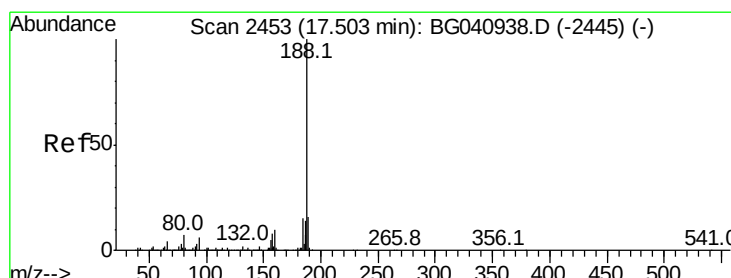
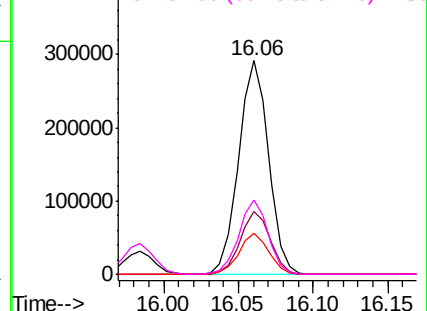
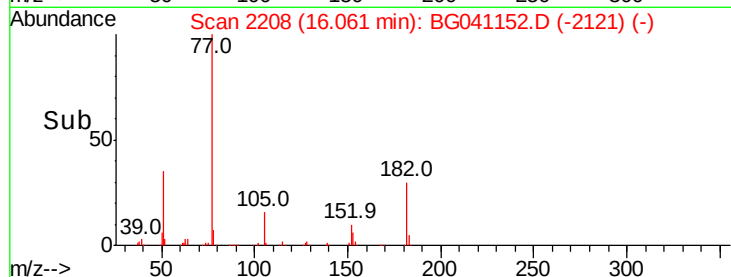
#63
Azobenzene
Concen: 71.034 ng
RT: 16.06 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Instrument :
BNA_G
ClientSampleId :
SOILBS01

Tot Ion	Ratio	Lower	Upper
77	100		
182	29.7	9.6	49.6
105	19.2	0.0	37.5
51	34.7	13.7	53.7

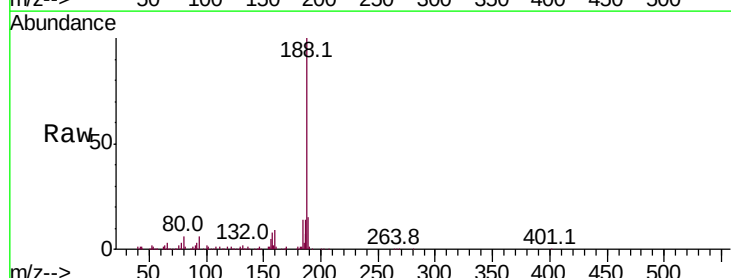


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

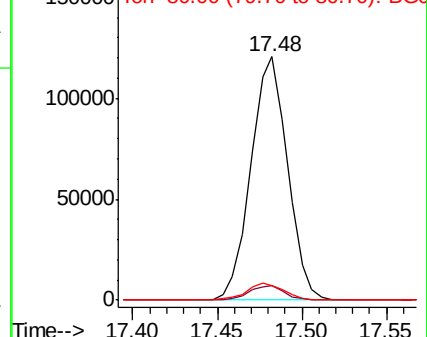
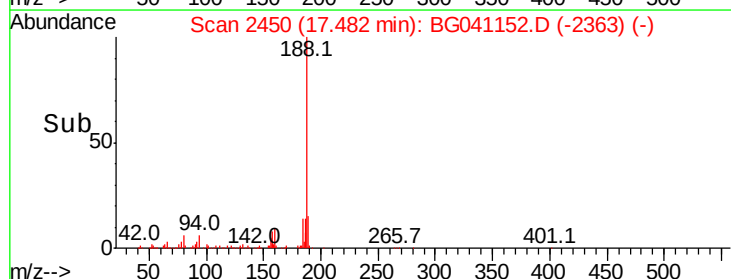


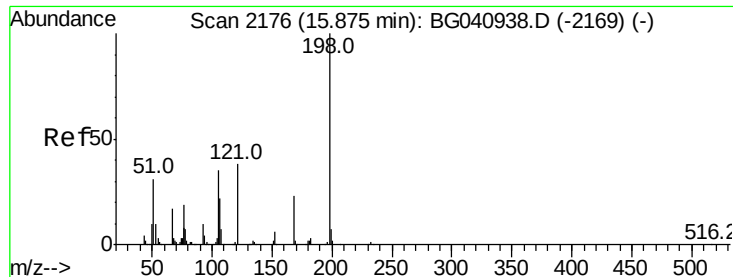
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2450
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.7	7.1
80	6.1	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: 75.804 ng

RT: 15.86 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

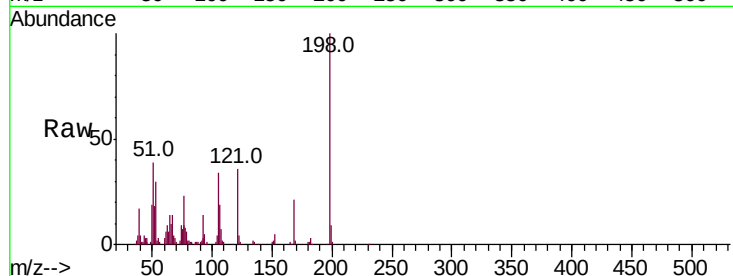
Tot Ion:198 Resp: 79743

Ion Ratio Lower Upper

198 100

51 38.8 21.6 61.6

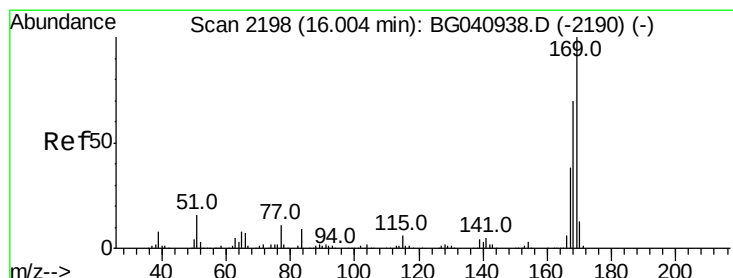
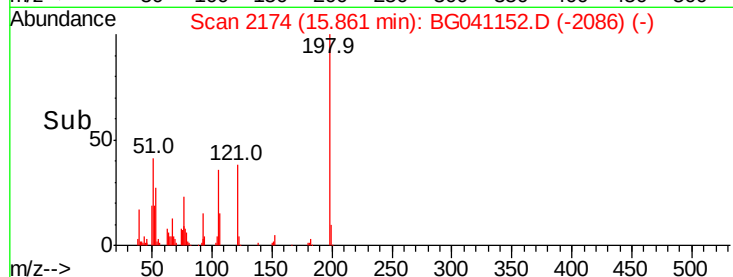
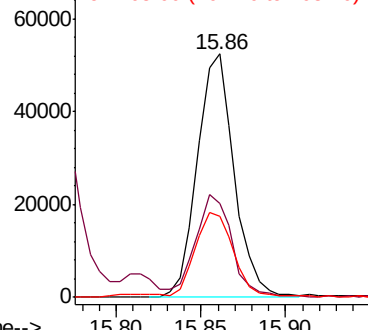
105 33.5 17.5 57.5



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: 72.467 ng

RT: 15.98 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

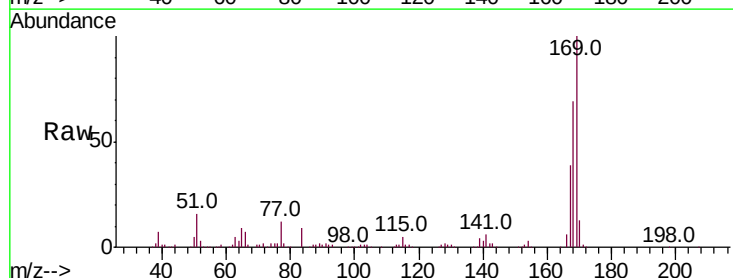
Tgt Ion:169 Resp: 370310

Ion Ratio Lower Upper

169 100

168 69.3 55.7 83.5

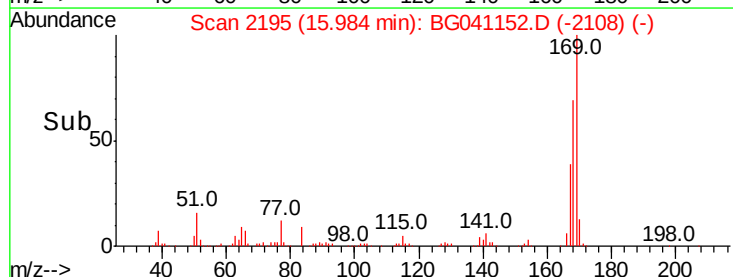
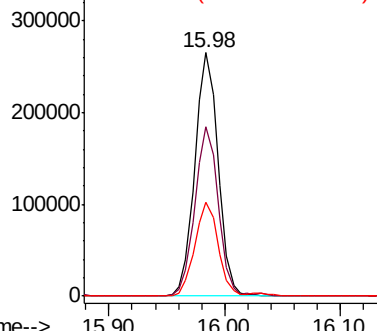
167 38.5 30.2 45.2

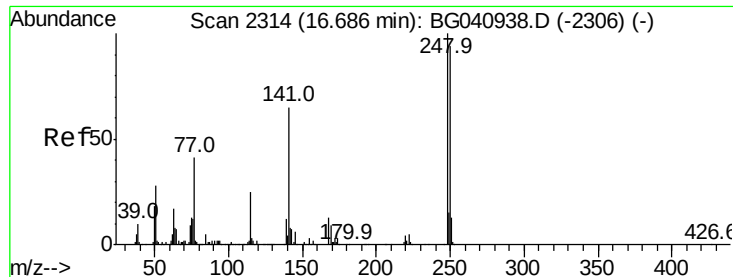


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 68.057 ng

RT: 16.66 min Scan# 2310

Delta R.T. -0.03 min

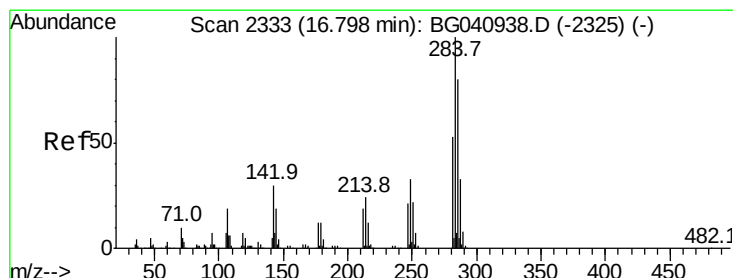
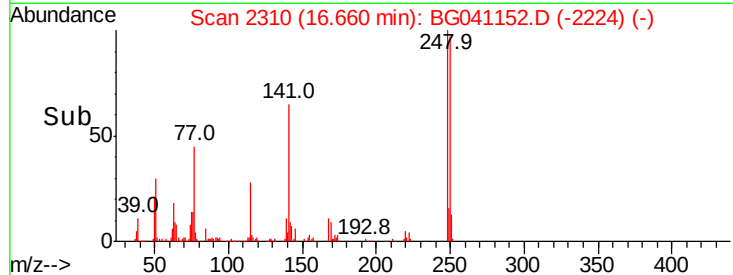
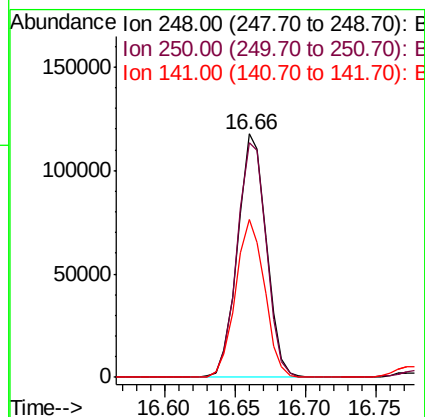
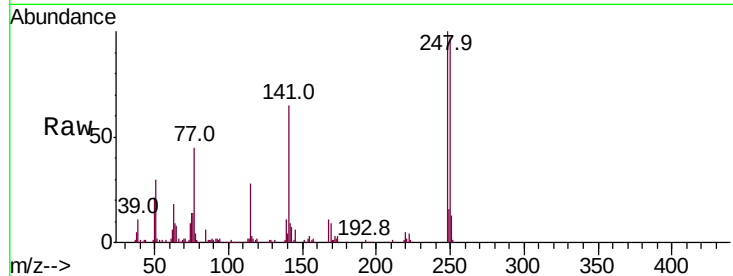
Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :
BNA_G
ClientSampleId :
SOILBS01

Tot Ion:248 Resp: 166957

Ion	Ratio	Lower	Upper
248	100		
250	96.5	75.0	112.4
141	64.7	52.4	78.6



#68

Hexachlorobenzene

Concen: 67.855 ng

RT: 16.78 min Scan# 2330

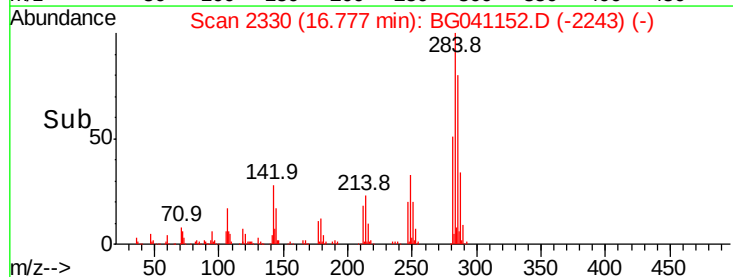
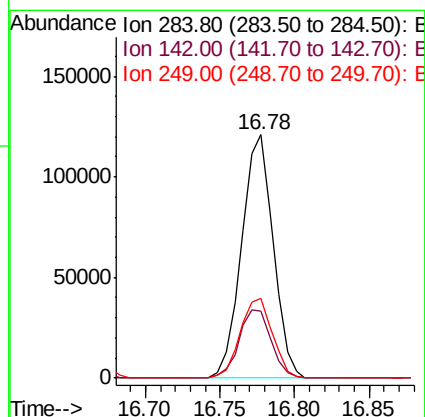
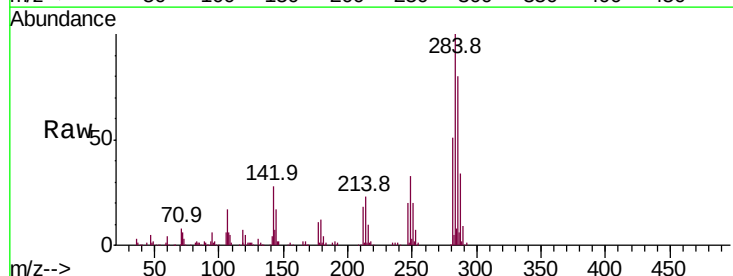
Delta R.T. -0.02 min

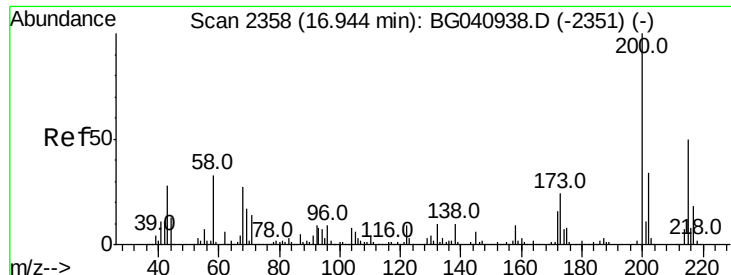
Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Tgt Ion:284 Resp: 177256

Ion	Ratio	Lower	Upper
284	100		
142	27.6	23.9	35.9
249	32.8	26.8	40.2

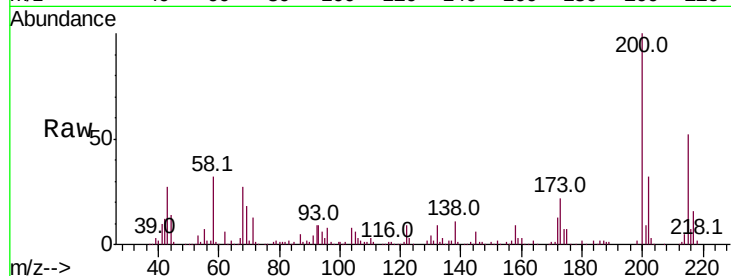




#69
 Atrazine
 Concen: 81.248 ng
 RT: 16.92 min Scan# 2355
 Delta R.T. -0.02 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

Instrument :
 BNA_G
 ClientSampleId :
 SOILBS01

Tot Ion	Ratio	Lower	Upper
200	100		
173	22.0	3.6	43.6
215	52.0	29.6	69.6

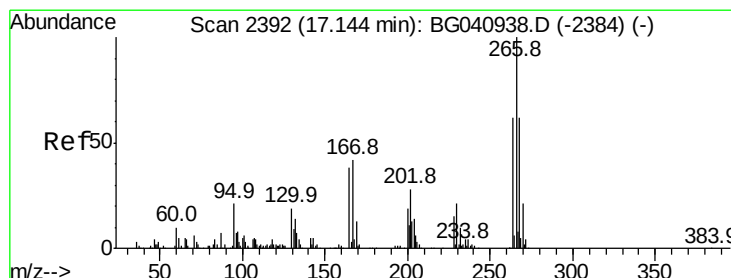
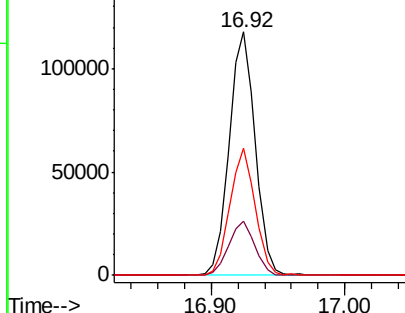
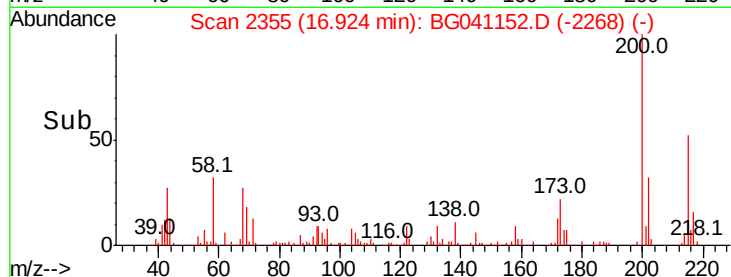


Abundance

Ion 200.00 (199.70 to 200.70): E

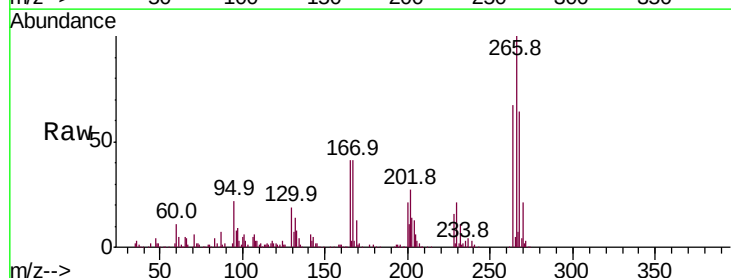
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
 Pentachlorophenol
 Concen: 137.383 ng
 RT: 17.12 min Scan# 2389
 Delta R.T. -0.02 min
 Lab File: BG041152.D
 Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.2	53.1	79.7
264	66.7	49.9	74.9

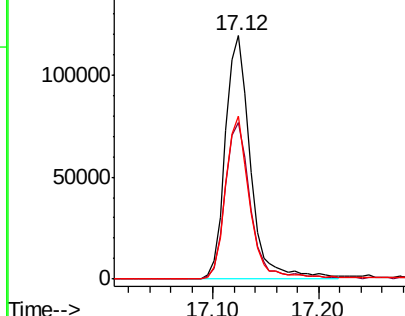
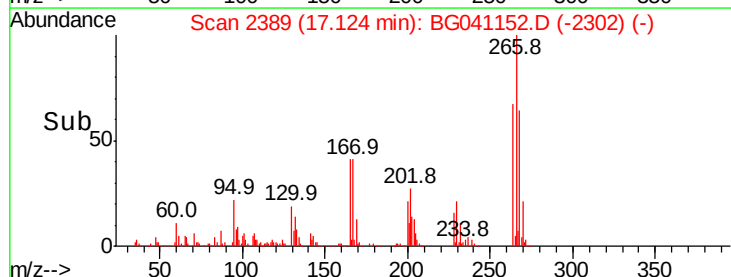


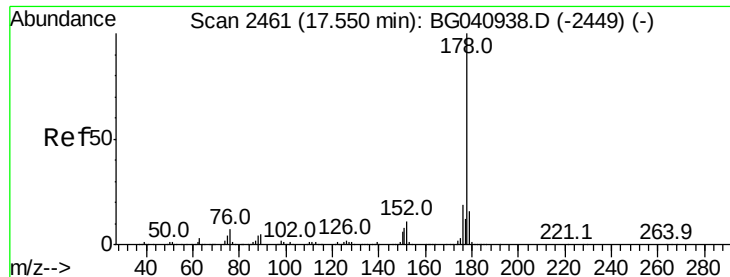
Abundance

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

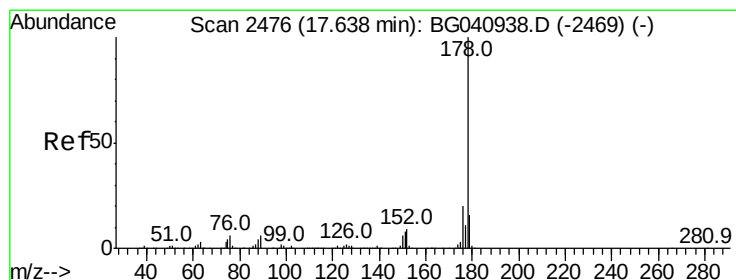
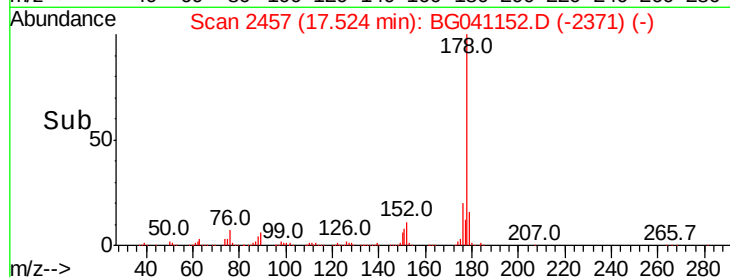
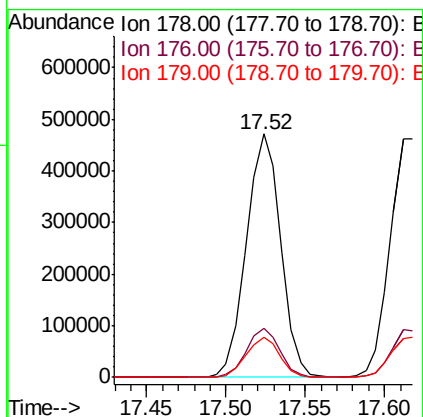
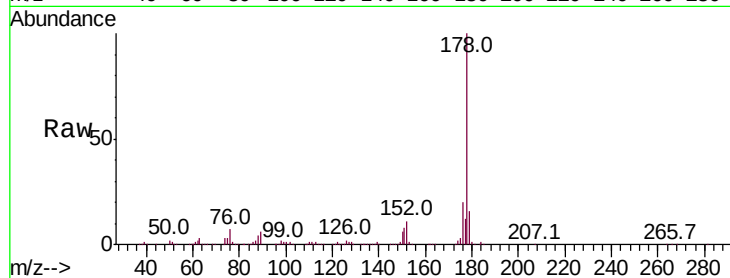




#71
Phenanthrene
Concen: 74.822 ng
RT: 17.52 min Scan# 2457
Delta R.T. -0.03 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

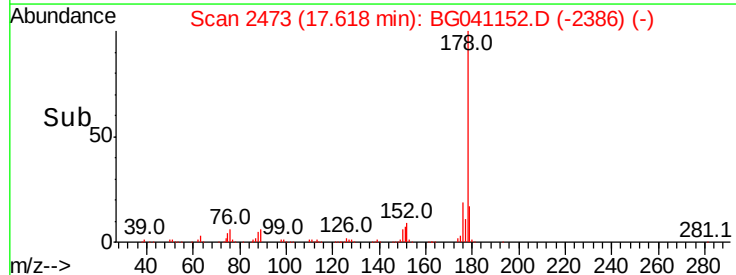
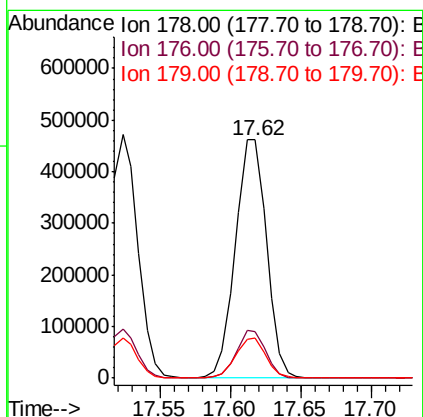
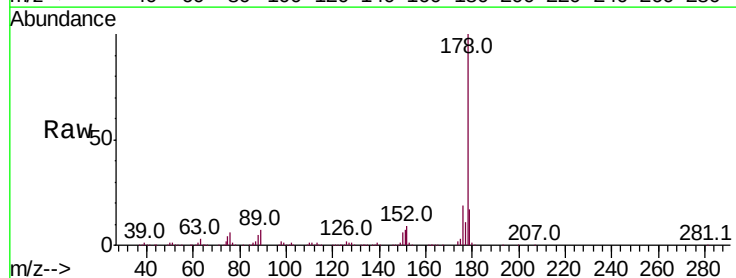
Instrument :
BNA_G
ClientSampleId :
SOILBS01

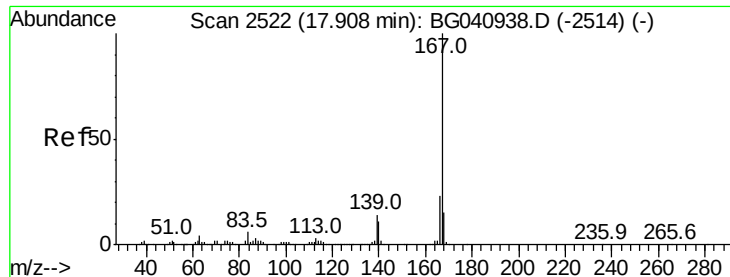
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.5	23.3
179	16.4	12.7	19.1



#72
Anthracene
Concen: 76.575 ng
RT: 17.62 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	16.7	13.0	19.4





#73

Carbazole

Concen: 77.425 ng

RT: 17.89 min Scan# 2519

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

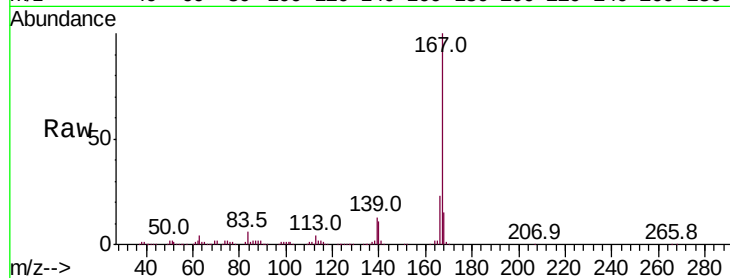
Tot Ion:167 Resp: 620400

Ion Ratio Lower Upper

167 100

166 22.7 18.2 27.4

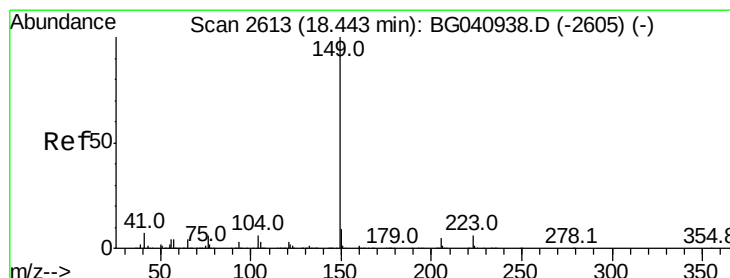
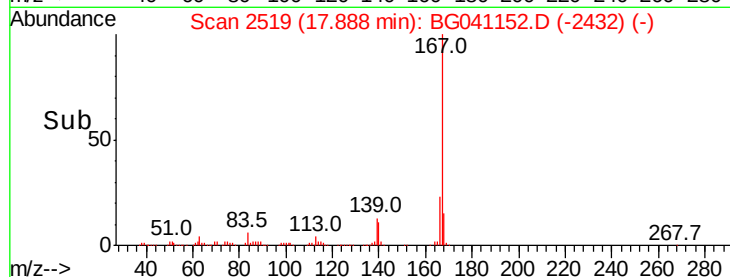
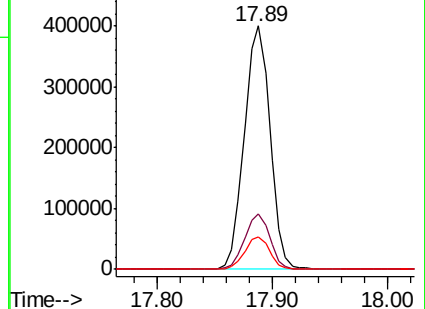
139 13.4 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 72.808 ng

RT: 18.42 min Scan# 2609

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

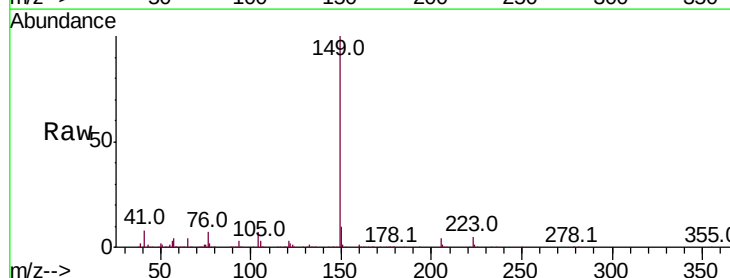
Tgt Ion:149 Resp: 725102

Ion Ratio Lower Upper

149 100

150 9.8 7.4 11.2

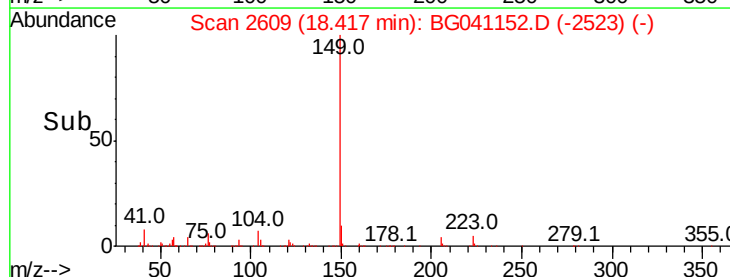
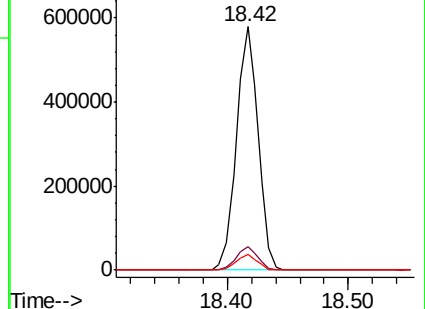
104 6.6 5.0 7.4

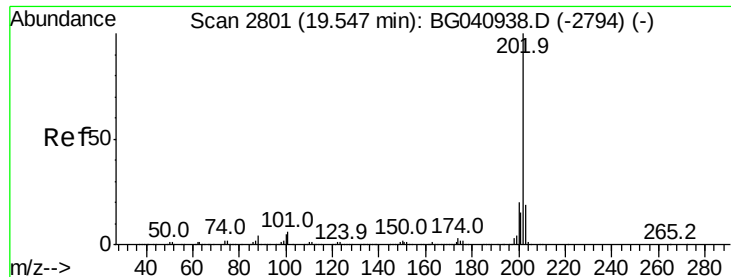


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 77.069 ng

RT: 19.53 min Scan# 2798

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

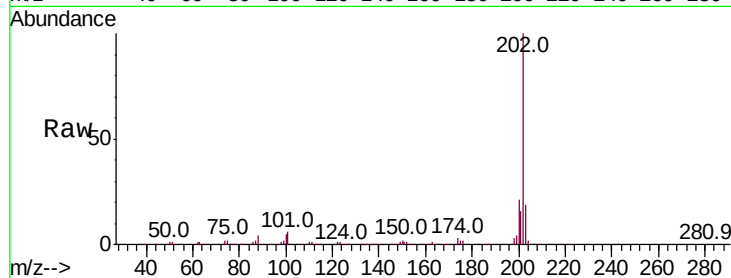
Tot Ion:202 Resp: 901357

Ion Ratio Lower Upper

202 100

101 6.1 0.0 26.2

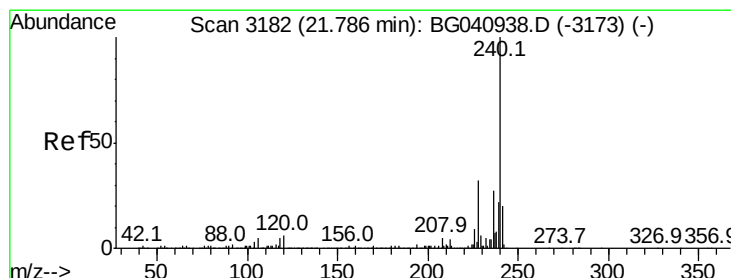
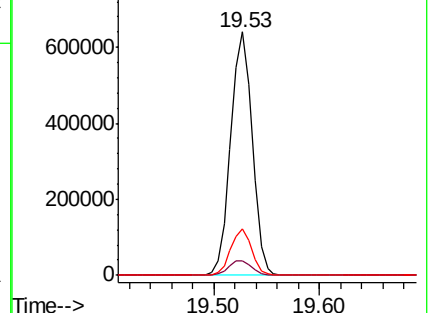
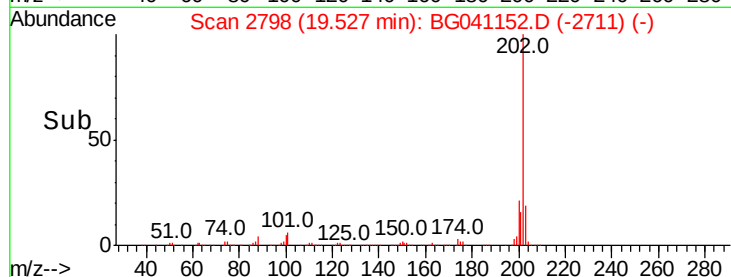
203 19.2 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

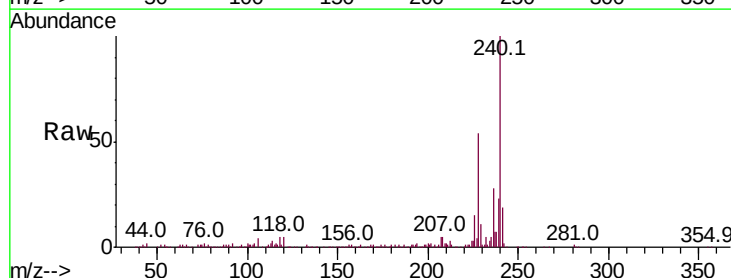
Tgt Ion:240 Resp: 178780

Ion Ratio Lower Upper

240 100

120 4.5 4.5 6.7

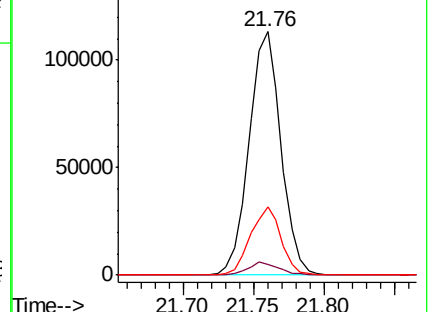
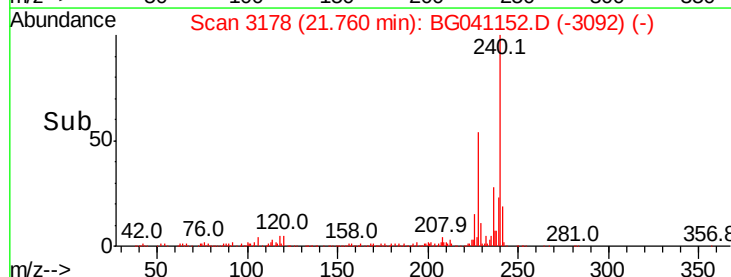
236 27.9 21.3 31.9

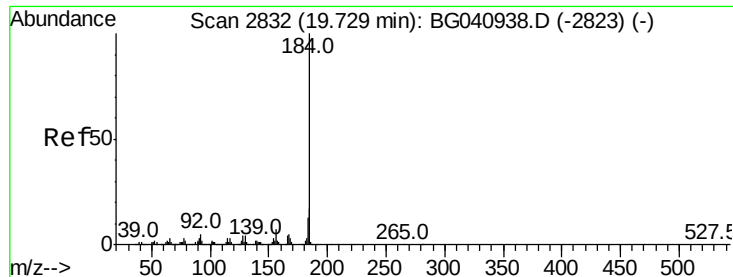


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 67.458 ng

RT: 19.71 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

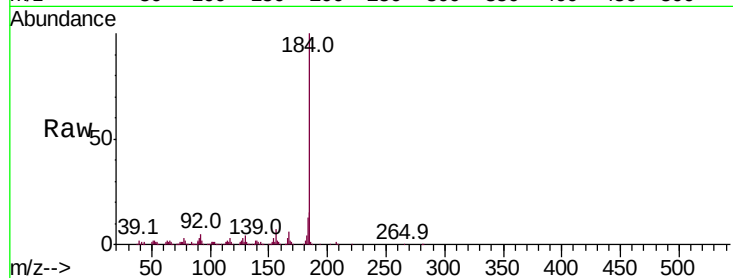
BNA_G

ClientSampleId :

SOILBS01

Tot Ion:184 Resp: 287700

Ion	Ratio	Lower	Upper
184	100		
185	15.1	13.3	19.9
183	12.8	10.7	16.1

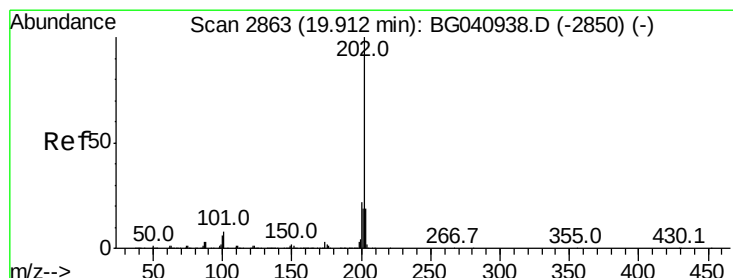
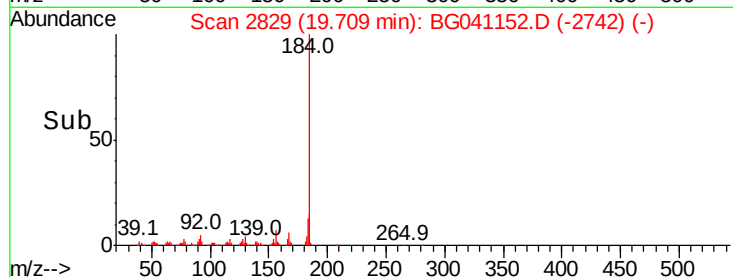
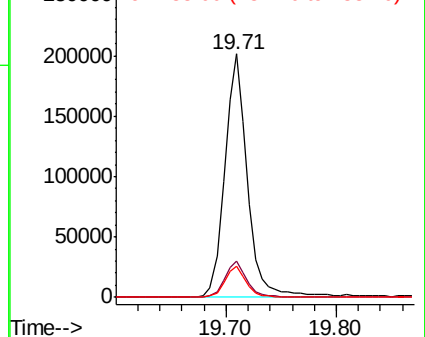


Abundance

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: 78.231 ng

RT: 19.89 min Scan# 2860

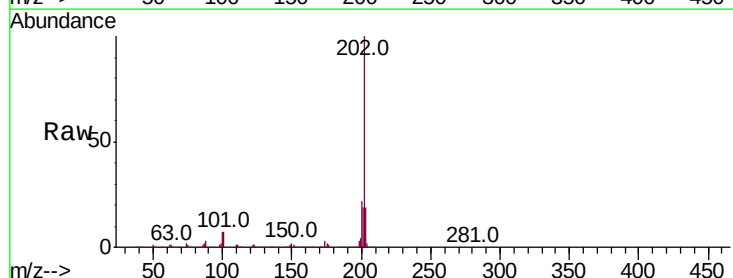
Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Tgt Ion:202 Resp: 909190

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.5	26.3
203	18.9	15.6	23.4

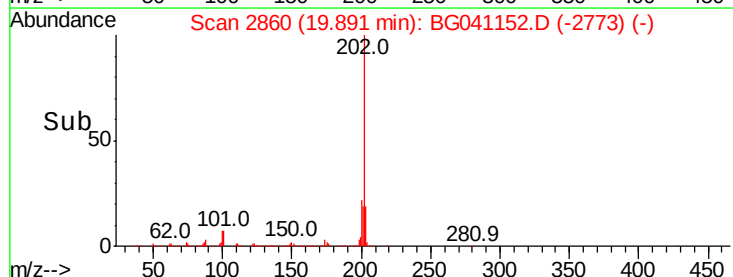
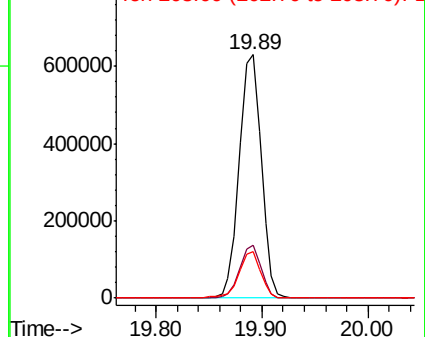


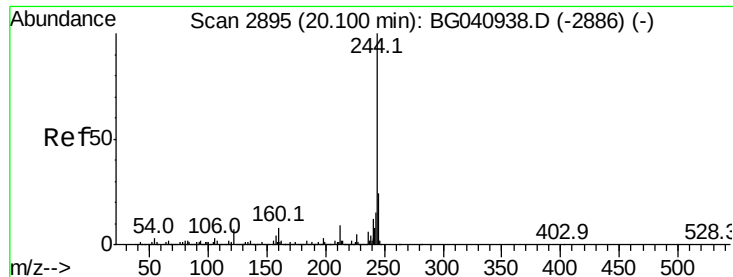
Abundance

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: 101.467 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

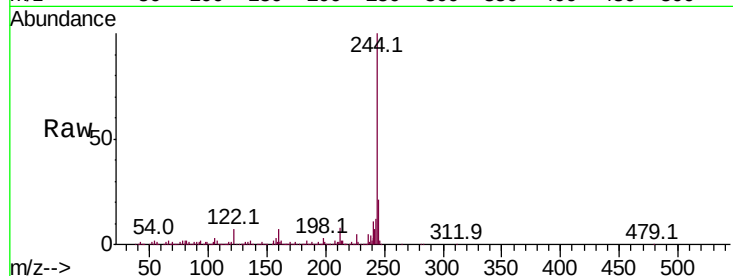
Tot Ion:244 Resp: 854732

Ion Ratio Lower Upper

244 100

212 7.9 7.0 10.4

122 6.7 5.4 8.0

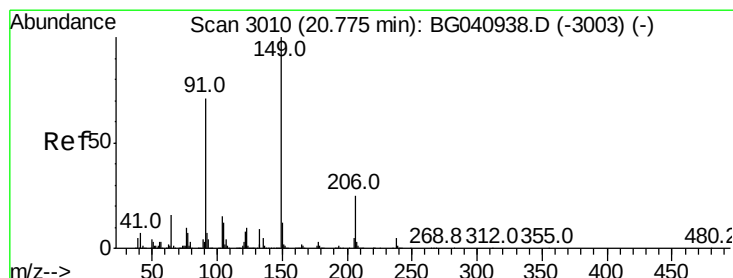
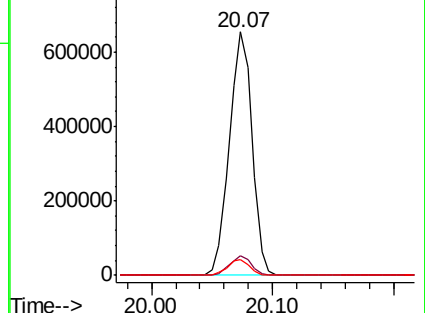
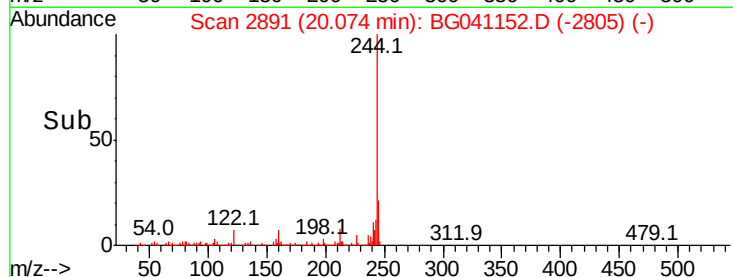


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.07



#80

Butylbenzylphthalate

Concen: 74.908 ng

RT: 20.76 min Scan# 3007

Delta R.T. -0.02 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

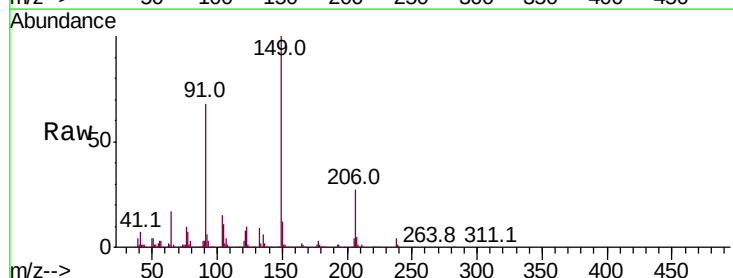
Tgt Ion:149 Resp: 338789

Ion Ratio Lower Upper

149 100

91 68.2 56.5 84.7

206 26.9 20.3 30.5

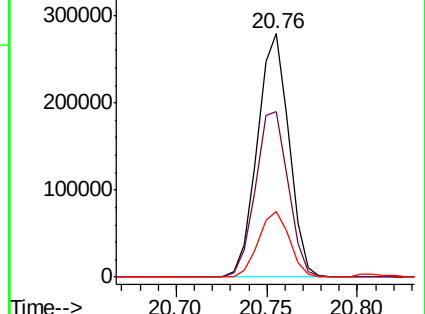
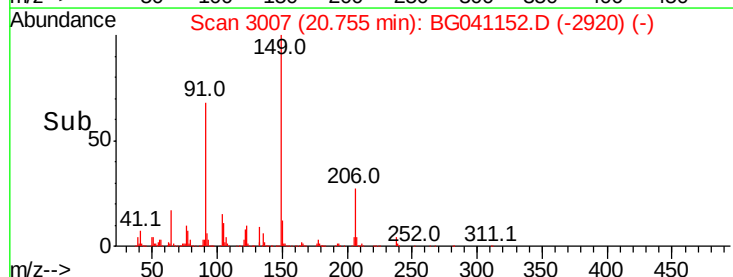


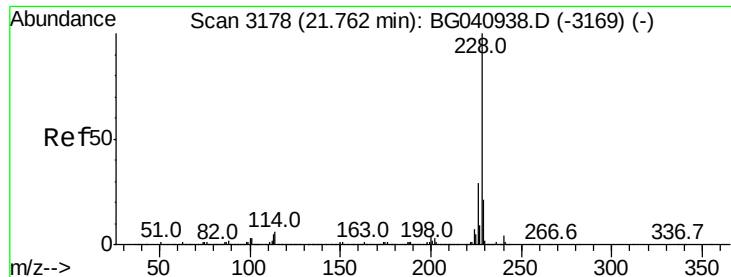
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

20.76





#81

Benzo(a)anthracene

Concen: 73.113 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

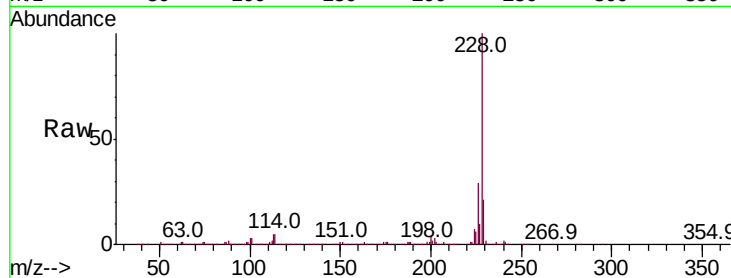
Tot Ion:228 Resp: 870096

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.5	35.3
229	20.8	16.7	25.1

228 100

226 28.7 23.5 35.3

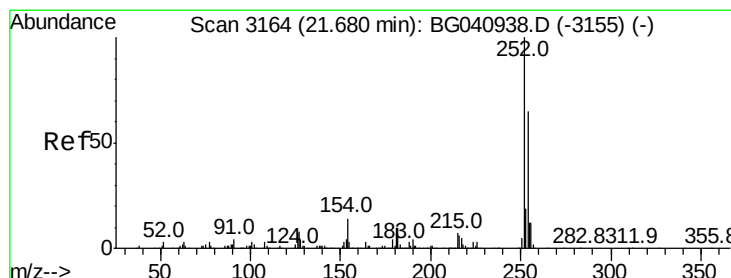
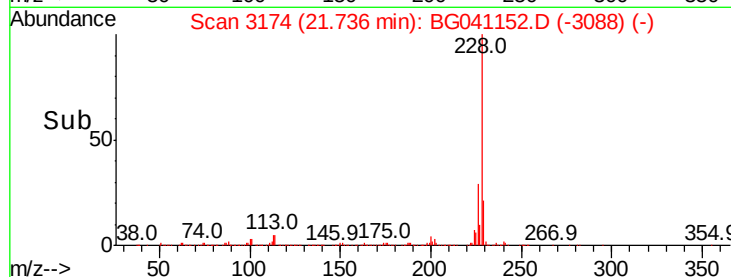
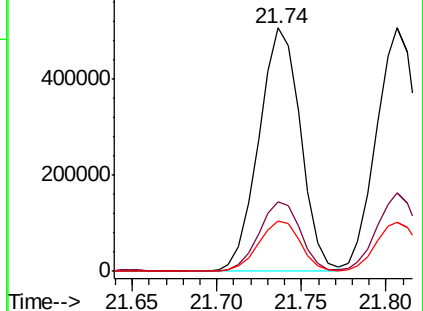
229 20.8 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 52.455 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

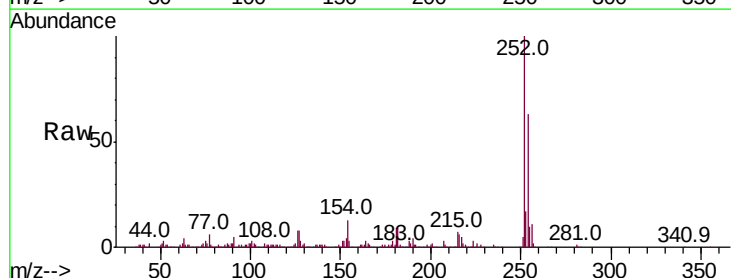
Tgt Ion:252 Resp: 219566

Ion	Ratio	Lower	Upper
252	100		
254	62.9	52.1	78.1
126	7.6	5.5	8.3

252 100

254 62.9 52.1 78.1

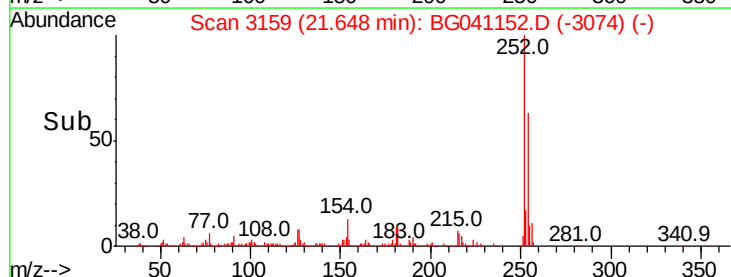
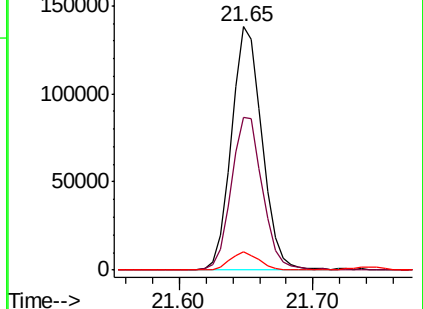
126 7.6 5.5 8.3

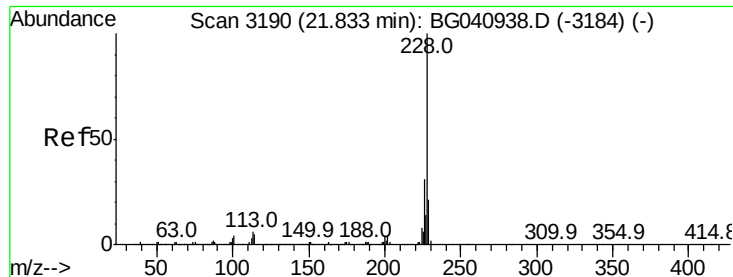


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 75.495 ng

RT: 21.81 min Scan# 3186

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

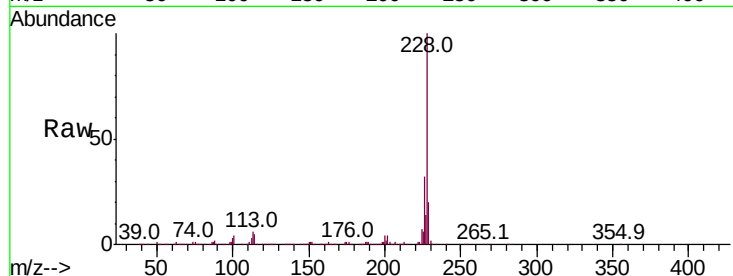
BNA_G

ClientSampleId :

SOILBS01

Tot Ion:228 Resp: 859771

Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.6	37.0
229	20.4	16.6	24.8

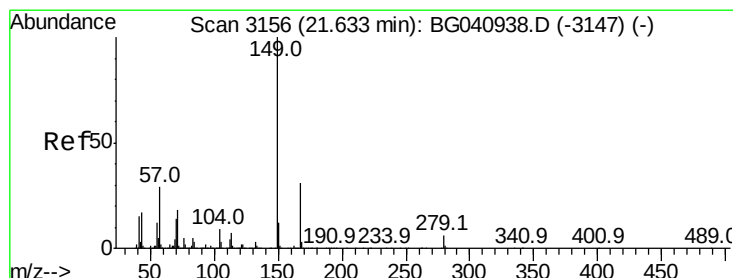
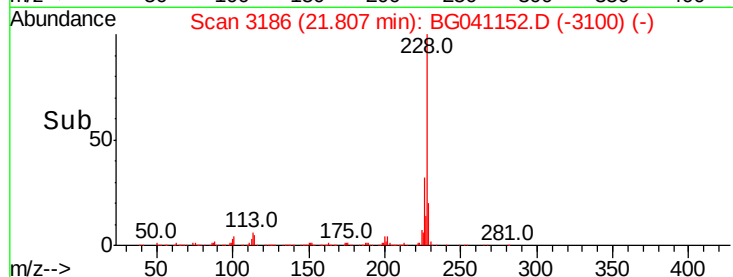
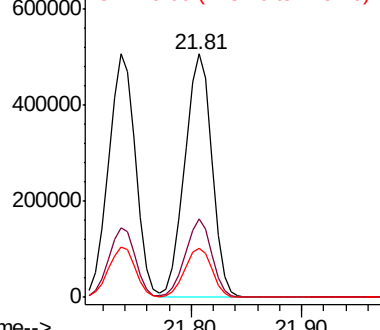


Abundance

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: 73.841 ng

RT: 21.60 min Scan# 3151

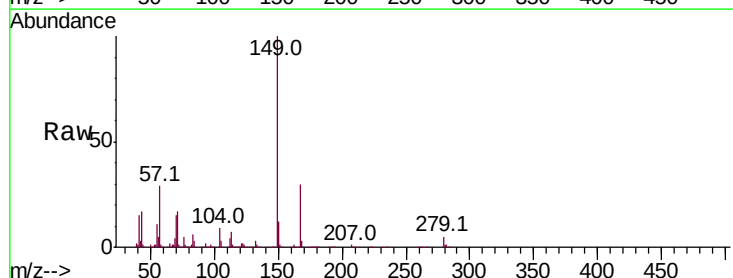
Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Tgt Ion:149 Resp: 470128

Ion	Ratio	Lower	Upper
149	100		
167	29.6	24.6	37.0
279	5.5	5.0	7.6

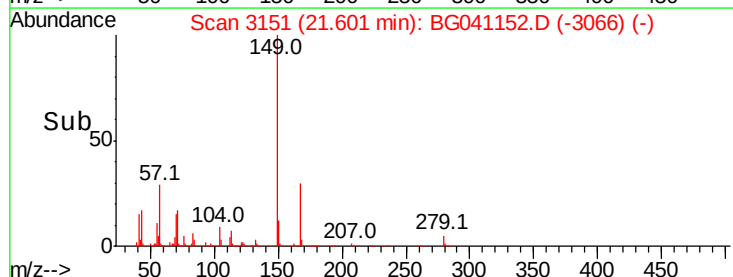
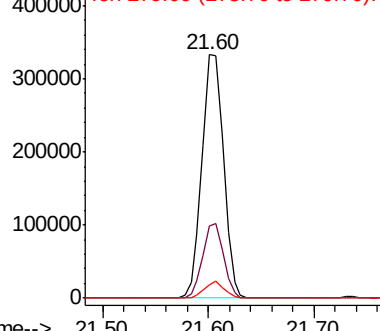


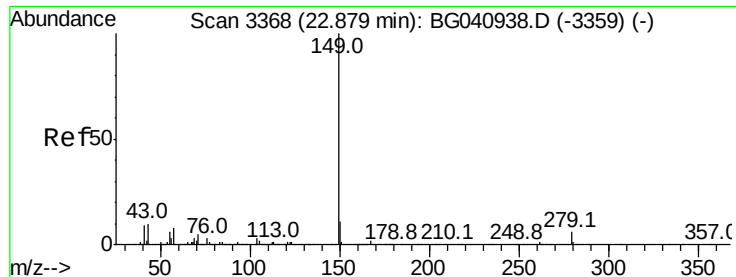
Abundance

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: 74.664 ng

RT: 22.85 min Scan# 3363

Delta R.T. -0.03 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

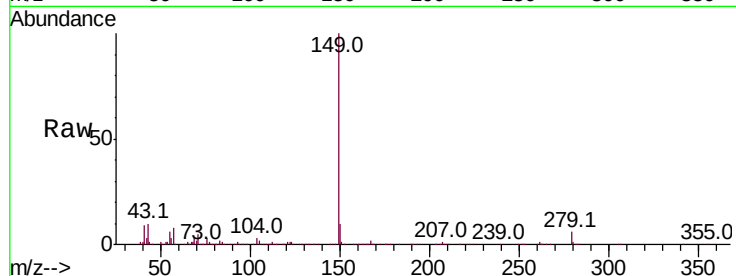
Tot Ion:149 Resp: 791693

Ion Ratio Lower Upper

149 100

167 1.9 1.4 2.0

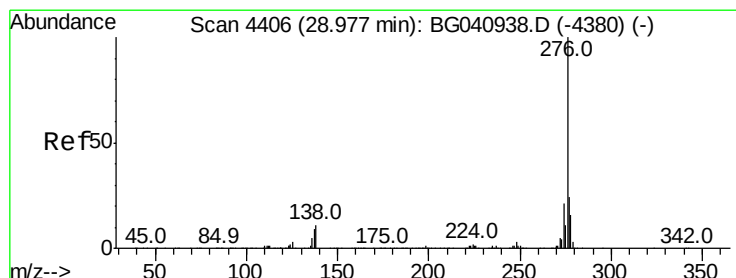
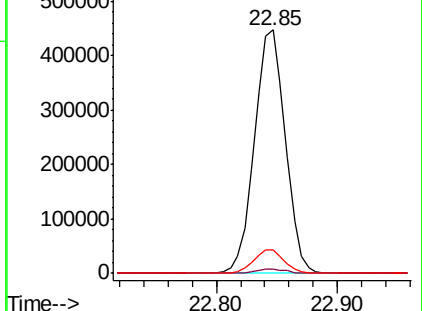
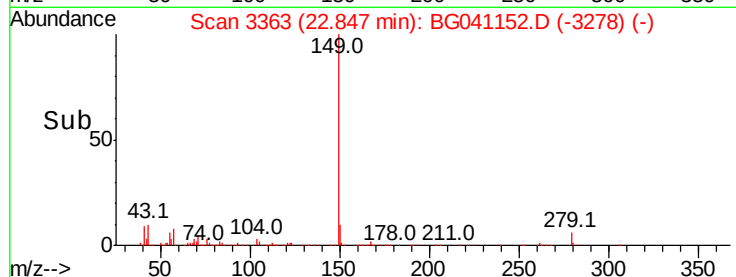
43 9.7 8.1 12.1



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: 73.157 ng

RT: 28.90 min Scan# 4393

Delta R.T. -0.08 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

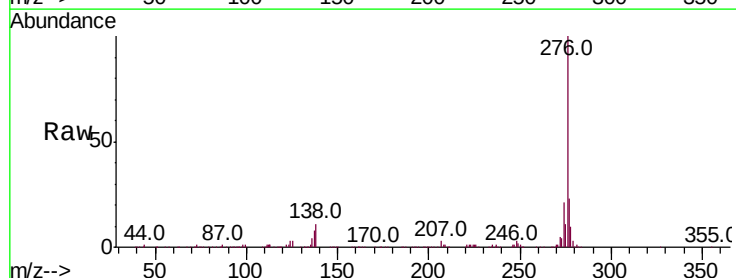
Tgt Ion:276 Resp: 1020585

Ion Ratio Lower Upper

276 100

138 12.7 5.7 8.5#

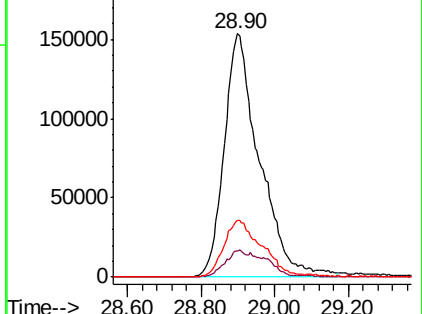
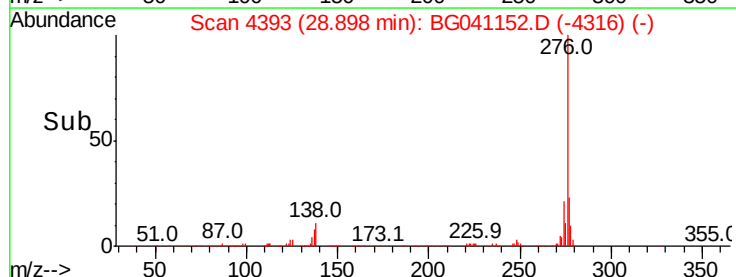
277 25.0 20.8 31.2

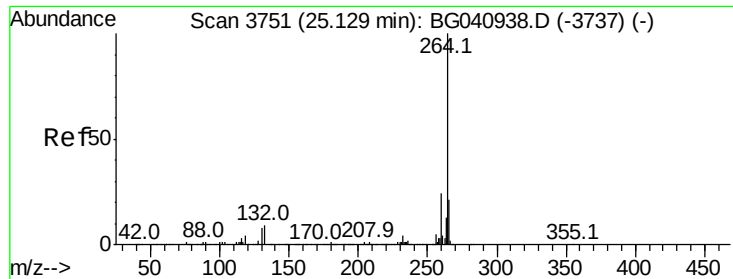


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3743

Delta R.T. -0.05 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

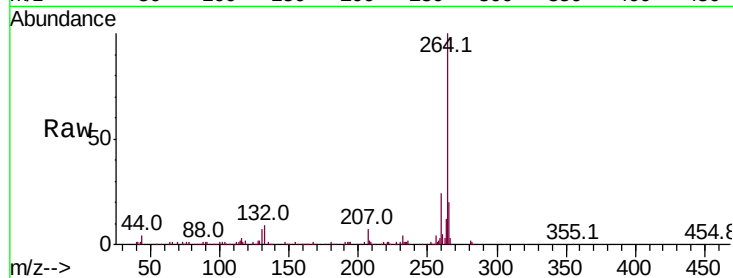
Tot Ion:264 Resp: 183712

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

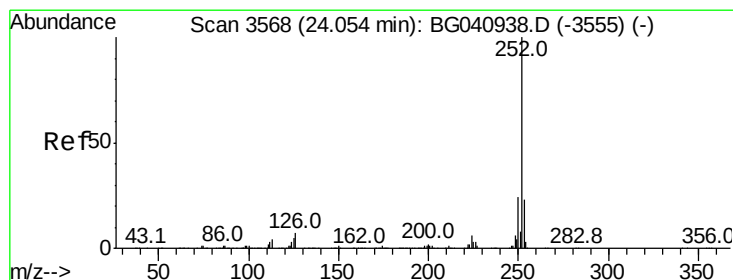
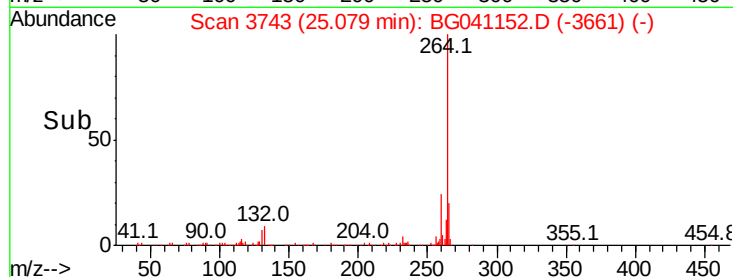
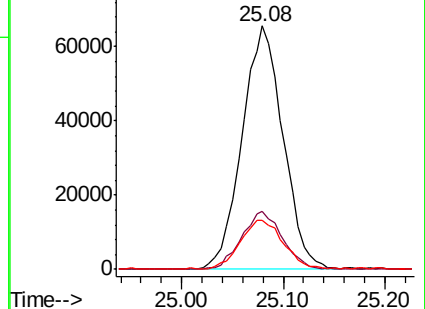
265 20.3 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 78.187 ng

RT: 24.02 min Scan# 3562

Delta R.T. -0.04 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

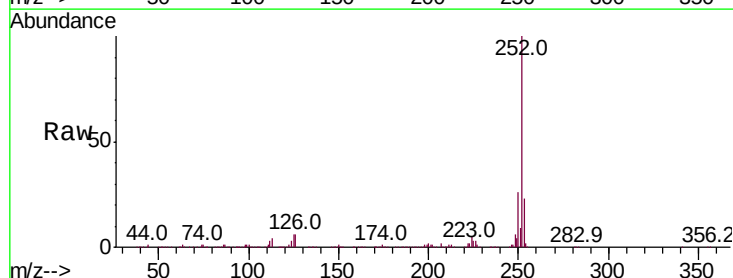
Tgt Ion:252 Resp: 871222

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

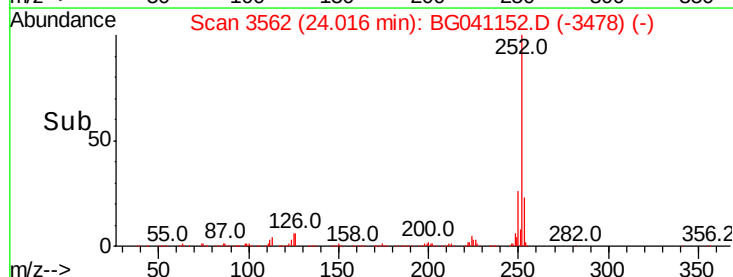
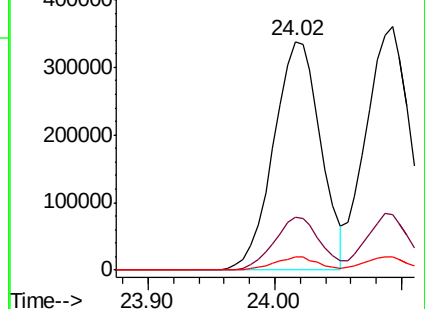
125 5.6 4.3 6.5

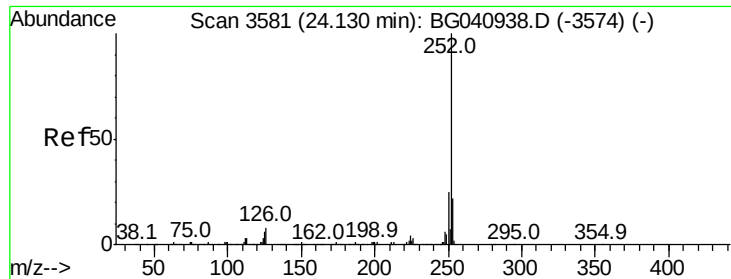


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

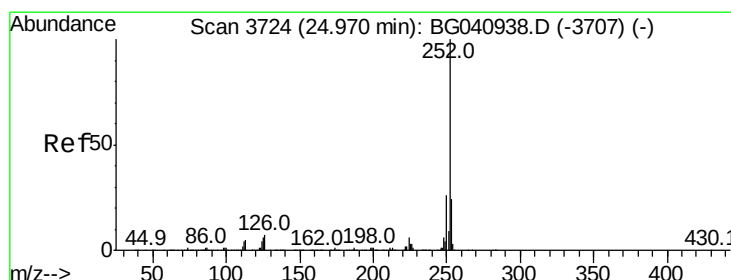
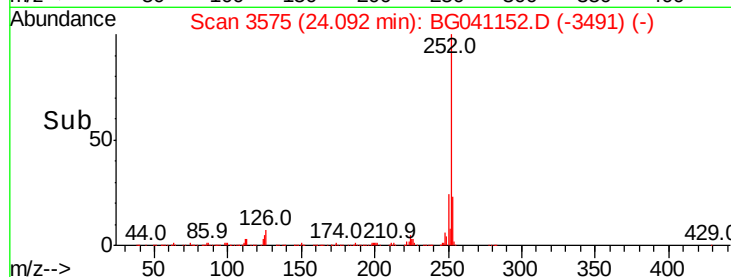
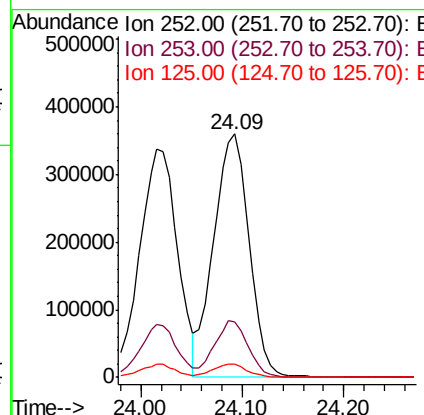
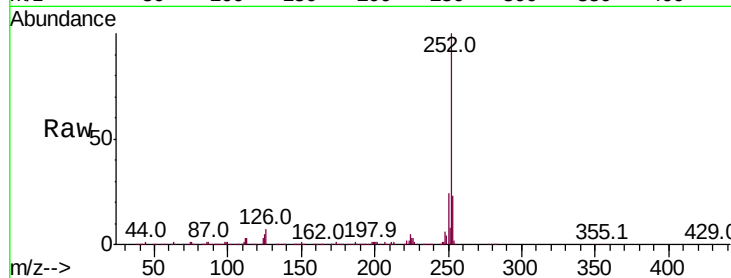




#89
Benzo(k)fluoranthene
Concen: 79.103 ng
RT: 24.09 min Scan# 3575
Delta R.T. -0.04 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

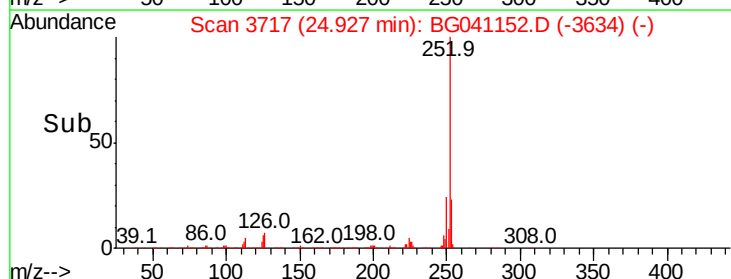
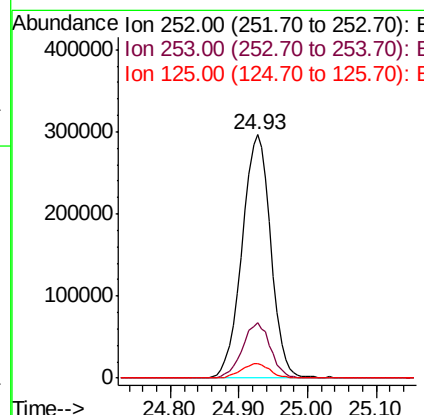
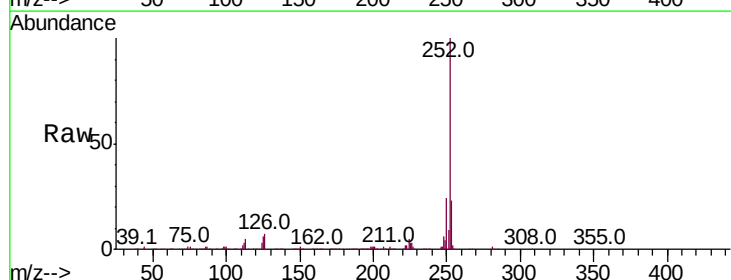
Instrument :
BNA_G
ClientSampleId :
SOILBS01

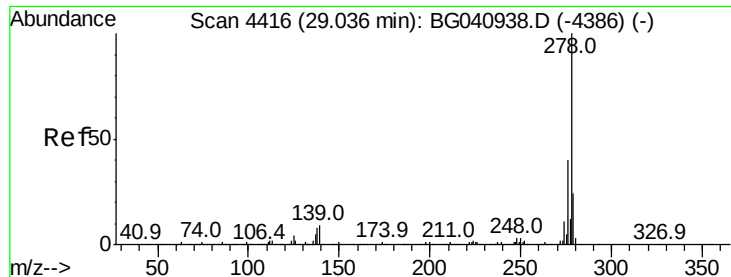
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	5.4	4.7	7.1



#90
Benzo(a)pyrene
Concen: 81.150 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.04 min
Lab File: BG041152.D
Acq: 9 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.5	29.3
125	5.9	5.1	7.7





#91

Dibenzo(a,h)anthracene

Concen: 79.045 ng

RT: 28.97 min Scan# 4406

Delta R.T. -0.06 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

Instrument :

BNA_G

ClientSampleId :

SOILBS01

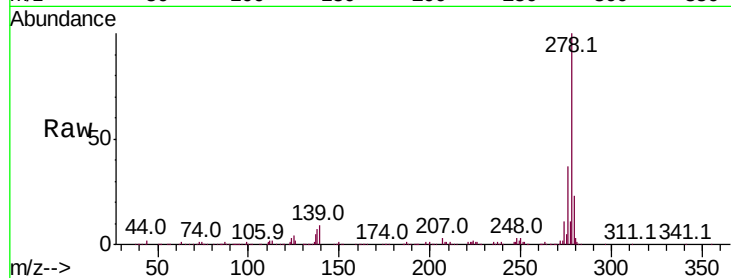
Tot Ion:278 Resp: 839664

Ion Ratio Lower Upper

278 100

139 8.9 7.1 10.7

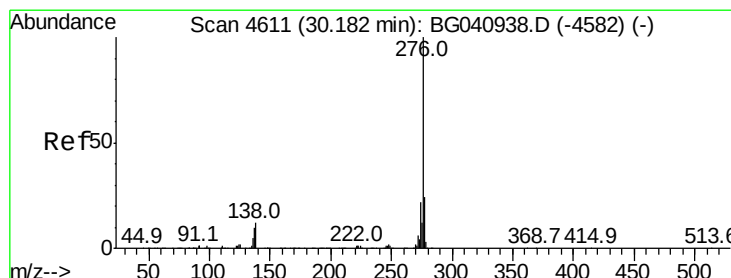
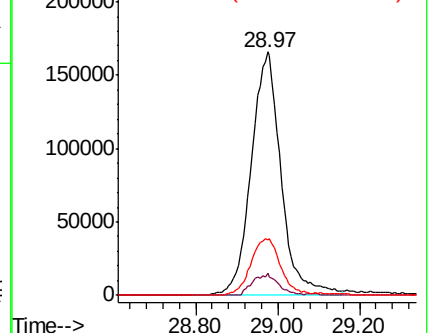
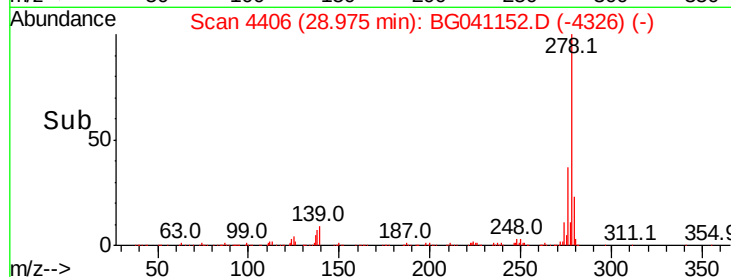
279 22.8 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 74.967 ng

RT: 30.10 min Scan# 4598

Delta R.T. -0.08 min

Lab File: BG041152.D

Acq: 9 Jun 2019 4:10

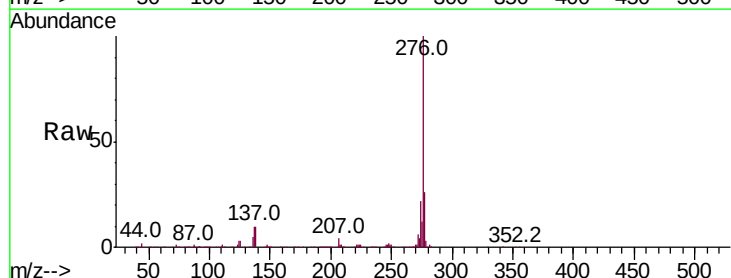
Tgt Ion:276 Resp: 773675

Ion Ratio Lower Upper

276 100

277 26.2 19.4 29.0

138 10.4 9.7 14.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

