

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073015\
 Data File : BG018178.D
 Acq On : 30 Jul 2015 17:36
 Operator : TP/UM
 Sample : G3130-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3

Quant Time: Jul 30 18:16:29 2015
 Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 18 01:50:30 2015
 Response via : Initial Calibration

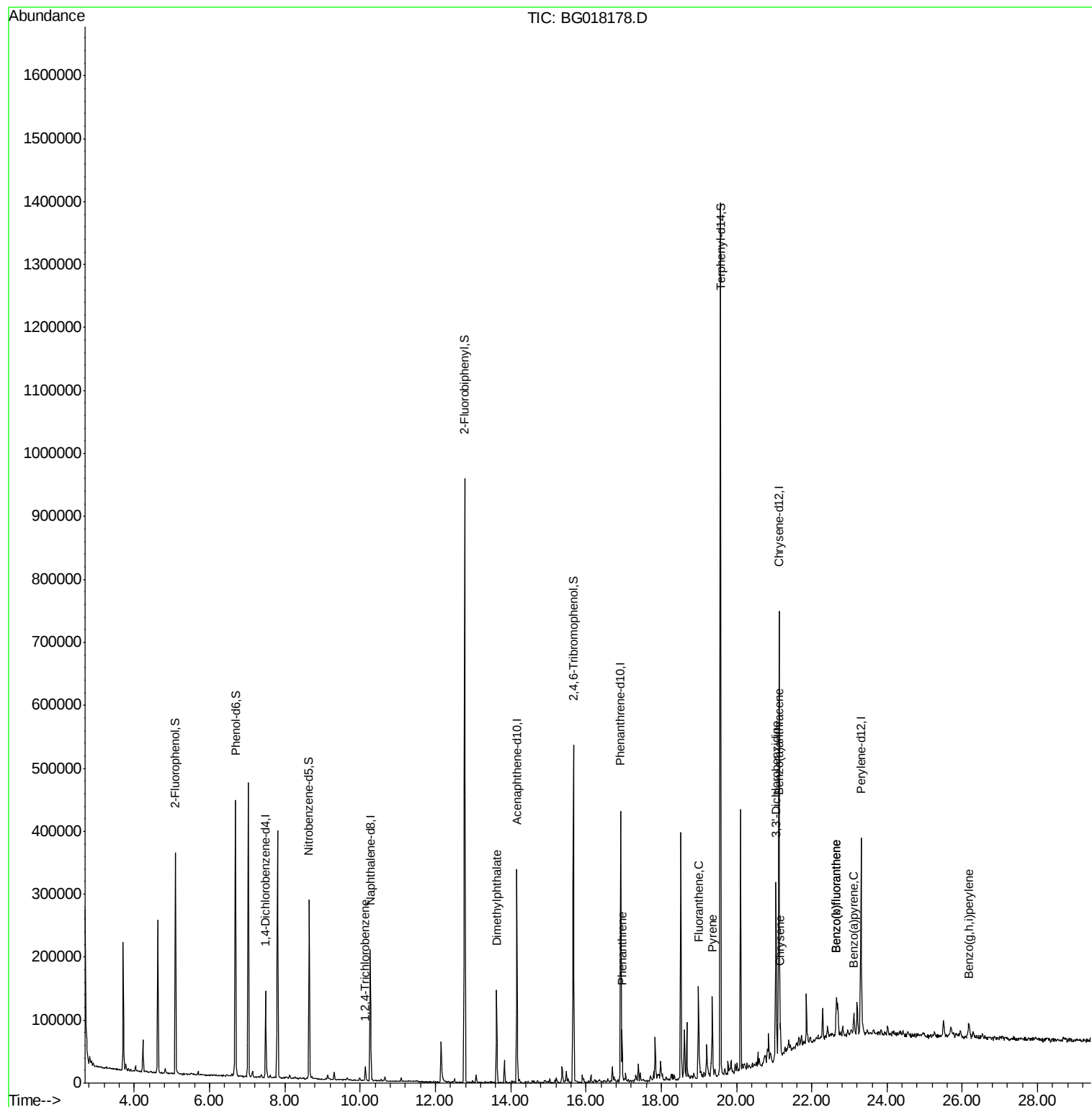
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	40265	20.00	ng	-0.10
21) Naphthalene-d8	10.28	136	185066	20.00	ng	-0.09
38) Acenaphthene-d10	14.17	164	121704	20.00	ng	-0.08
63) Phenanthrene-d10	16.92	188	263424	20.00	ng	-0.08
75) Chrysene-d12	21.13	240	237298	20.00	ng	-0.07
86) Perylene-d12	23.31	264	231328	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	172991	74.95	ng	-0.10
7) Phenol-d6	6.69	99	278085	91.96	ng	-0.07
23) Nitrobenzene-d5	8.65	82	161024	56.35	ng	-0.09
41) 2,4,6-Tribromophenol	15.67	330	115833	93.94	ng	-0.07
44) 2-Fluorobiphenyl	12.78	172	519327	73.95	ng	-0.08
78) Terphenyl-d14	19.58	244	639668	67.90	ng	-0.07
Target Compounds						Qvalue
30) 1,2,4-Trichlorobenzene	10.14	180	8632	3.09	ng	87
49) Dimethylphthalate	13.63	163	102386	12.11	ng	100
70) Phenanthrene	16.96	178	48949	3.60	ng	98
74) Fluoranthene	18.99	202	84545	5.68	ng	94
77) Pyrene	19.36	202	76393	5.77	ng	96
80) Benzo(a)anthracene	21.11	228	37639	3.00	ng	99
81) 3,3'-Dichlorobenzidine	21.05	252	81816	18.00	ng	# 96
82) Chrysene	21.16	228	35570	2.98	ng	96
87) Benzo(b)fluoranthene	22.66	252	65593	5.18	ng	# 93
88) Benzo(k)fluoranthene	22.66	252	65593	5.19	ng	# 95
89) Benzo(a)pyrene	23.12	252	24086	2.04	ng	94
91) Benzo(g,h,i)perylene	26.17	276	23928	2.03	ng	# 90

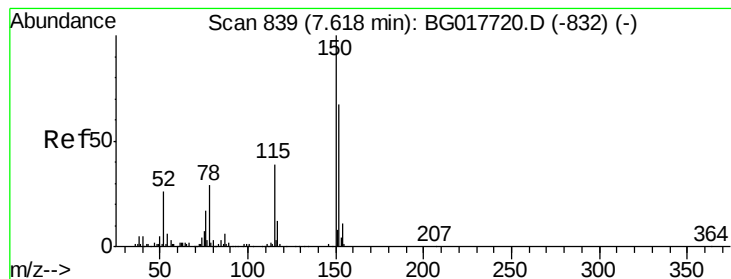
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073015\
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BNA_G
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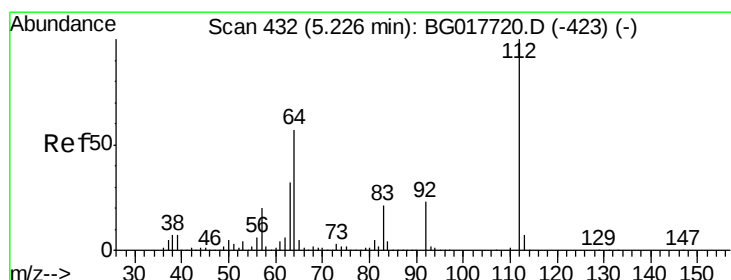
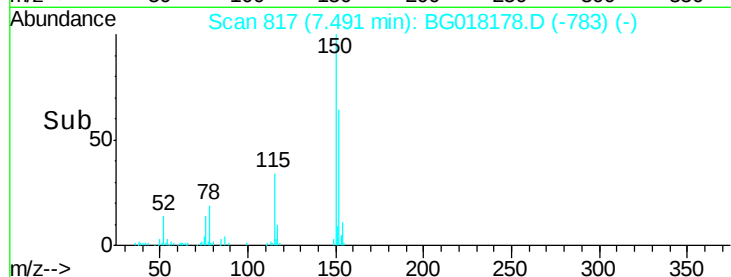
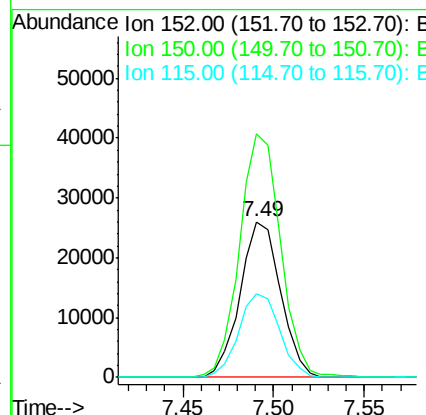
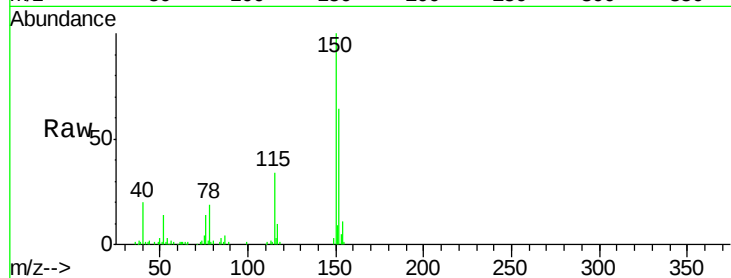


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.49 min Scan# 817
Delta R.T. -0.10 min
Lab File: BG018178.D
Acq: 30 Jul 2015 17:36

Instrument :
BNA_G
ClientSampled :
SOIL-3

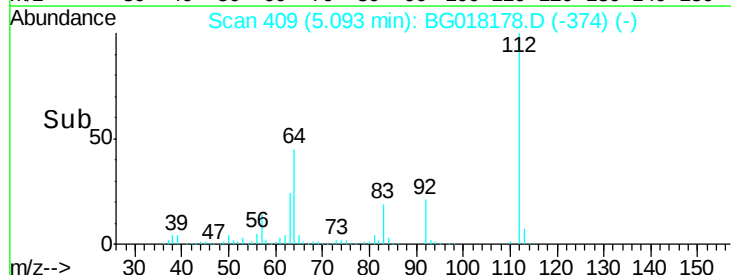
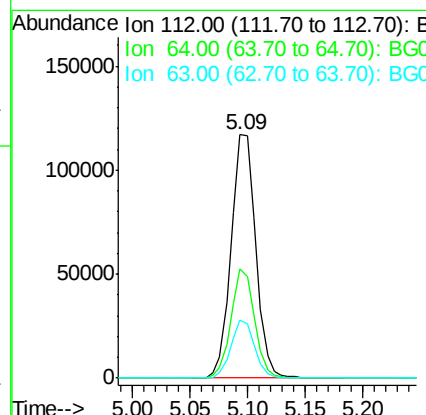
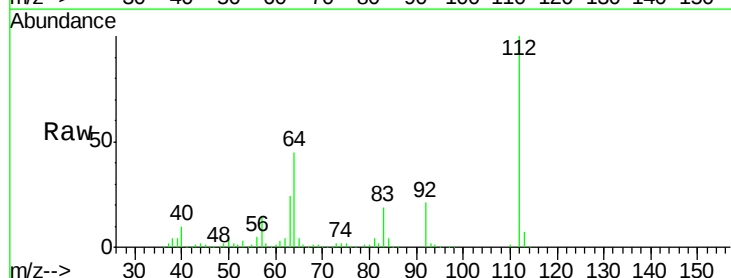
Tgt Ion:152 Resp: 40265
Ion Ratio Lower Upper
152 100
150 156.4 119.1 178.7
115 53.7 47.0 70.4

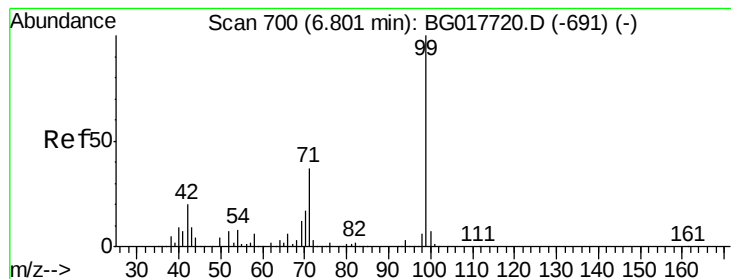


#5

2-Fluorophenol
Concen: 74.95 ng
RT: 5.09 min Scan# 409
Delta R.T. -0.10 min
Lab File: BG018178.D
Acq: 30 Jul 2015 17:36

Tgt Ion:112 Resp: 172991
Ion Ratio Lower Upper
112 100
64 44.8 45.4 68.0#
63 23.8 25.3 37.9#





#7

Phenol-d6

Concen: 91.96 ng

RT: 6.69 min Scan# 681

Delta R.T. -0.07 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

Instrument :

BNA_G

ClientSampleId :

SOIL-3

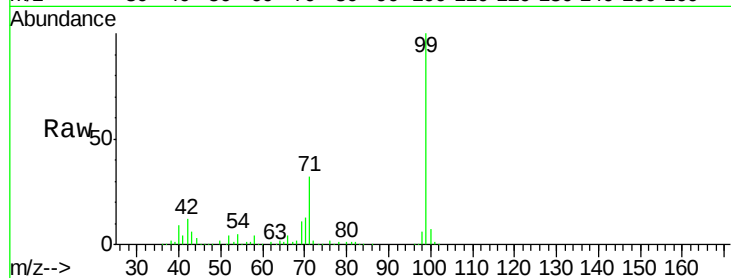
Tgt Ion: 99 Resp: 278085

Ion Ratio Lower Upper

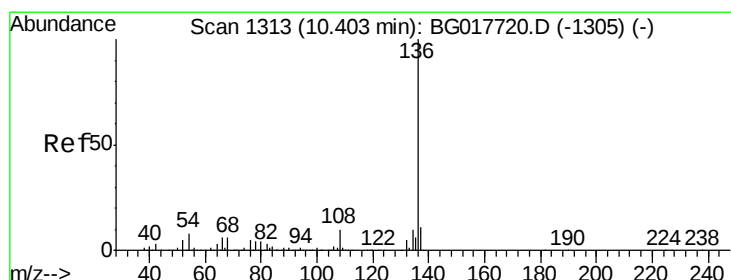
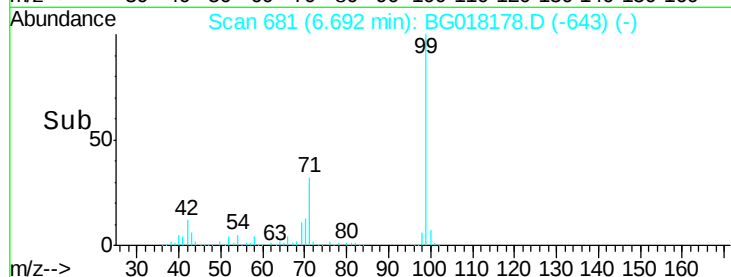
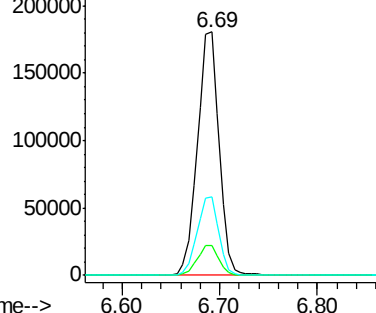
99 100

42 12.1 16.2 24.4#

71 32.0 29.5 44.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.28 min Scan# 1291

Delta R.T. -0.09 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

Tgt Ion: 136 Resp: 185066

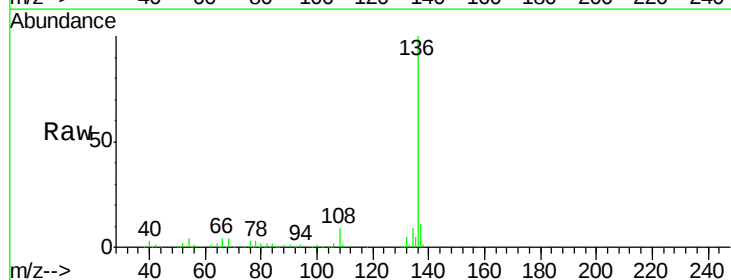
Ion Ratio Lower Upper

136 100

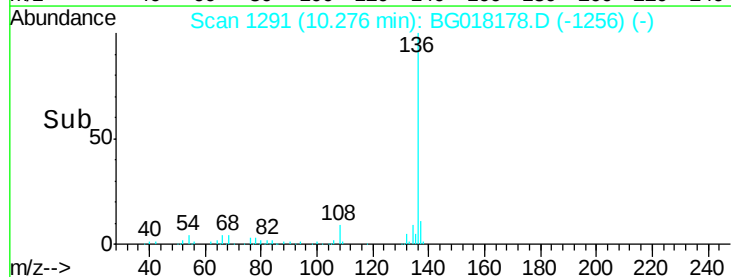
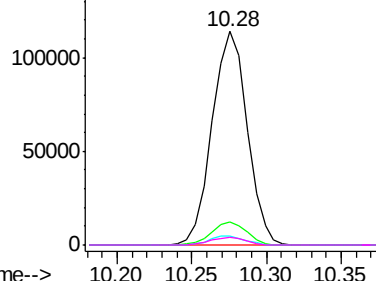
137 10.9 8.8 13.2

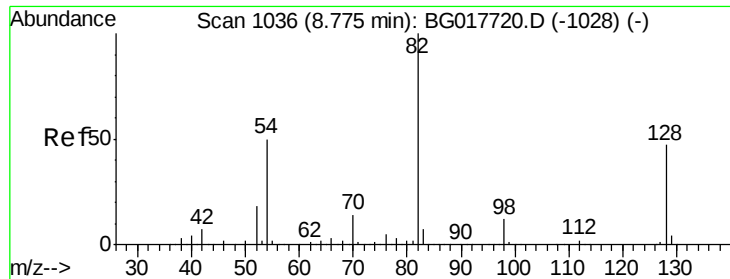
54 4.0 6.6 9.8#

68 3.9 5.1 7.7#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

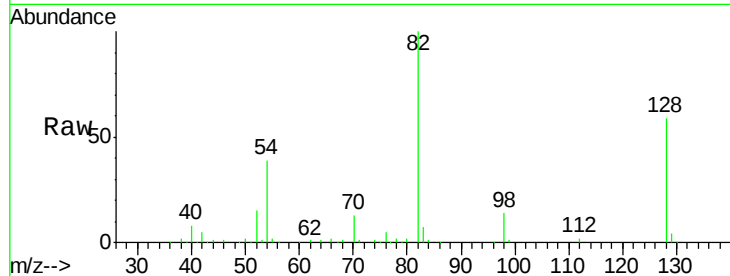




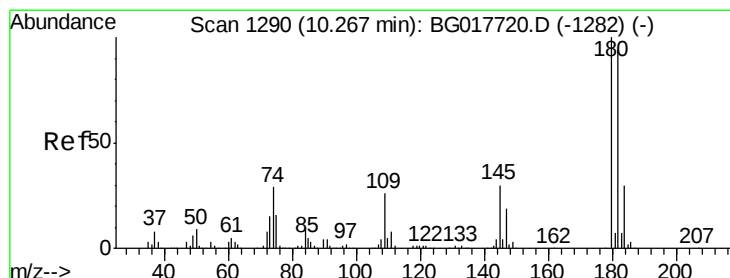
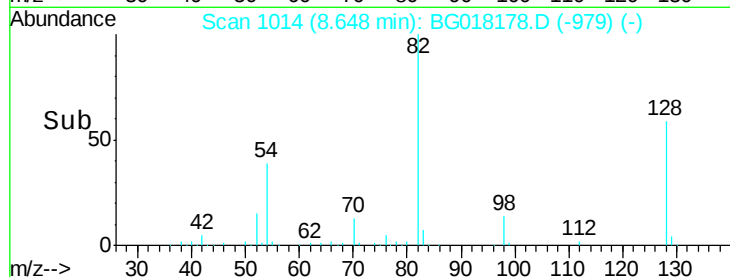
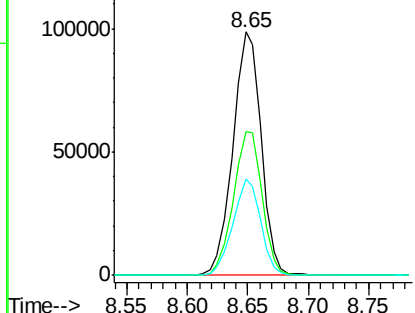
#23
 Nitrobenzene-d5
 Concen: 56.35 ng
 RT: 8.65 min Scan# 1014
 Delta R.T. -0.09 min
 Lab File: BG018178.D
 Acq: 30 Jul 2015 17:36

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3

Tgt Ion: 82 Resp: 161024
 Ion Ratio Lower Upper
 82 100
 128 59.1 37.8 56.6#
 54 39.4 39.9 59.9#

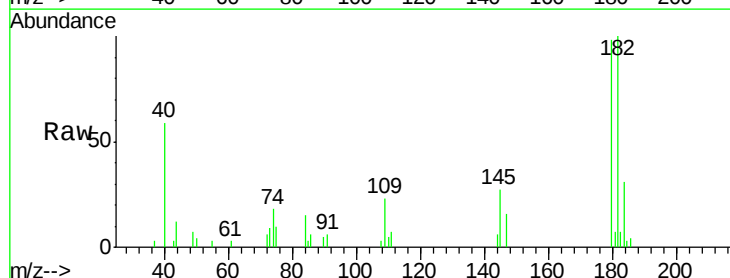


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

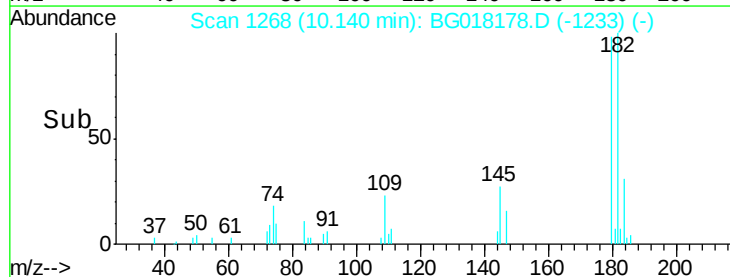
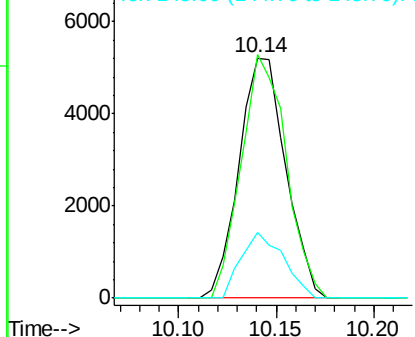


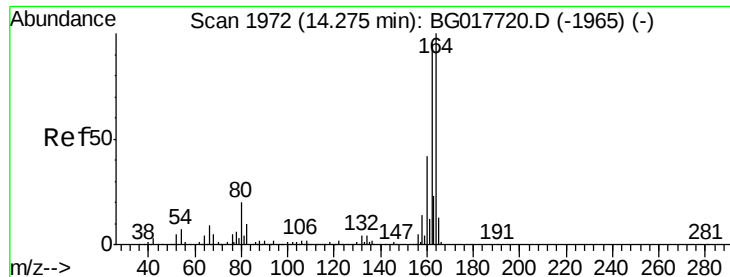
#30
 1,2,4-Trichlorobenzene
 Concen: 3.09 ng
 RT: 10.14 min Scan# 1268
 Delta R.T. -0.09 min
 Lab File: BG018178.D
 Acq: 30 Jul 2015 17:36

Tgt Ion: 180 Resp: 8632
 Ion Ratio Lower Upper
 180 100
 182 109.1 75.2 112.8
 145 27.5 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): BGC
 Ion 182.00 (181.70 to 182.70): BGC
 Ion 145.00 (144.70 to 145.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.17 min Scan# 1953

Delta R.T. -0.08 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

Instrument :

BNA_G

ClientSampleId :

SOIL-3

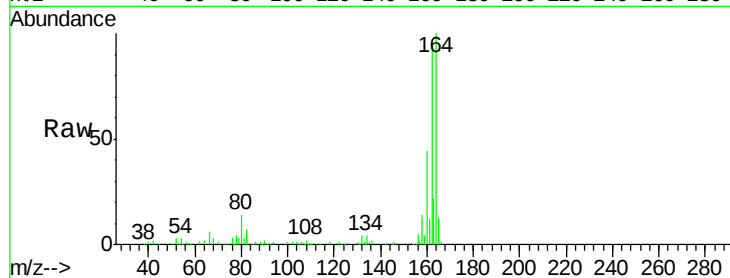
Tgt Ion:164 Resp: 121704

Ion Ratio Lower Upper

164 100

162 97.0 76.3 114.5

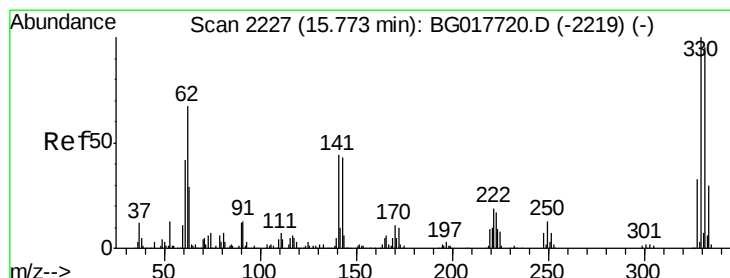
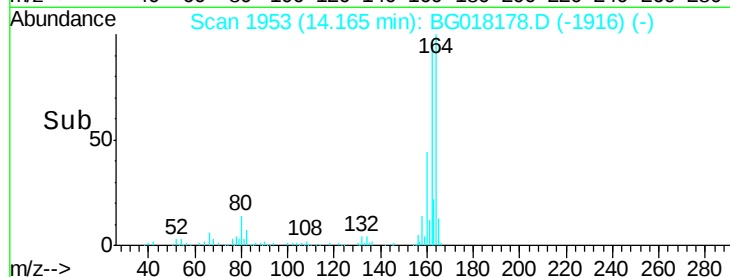
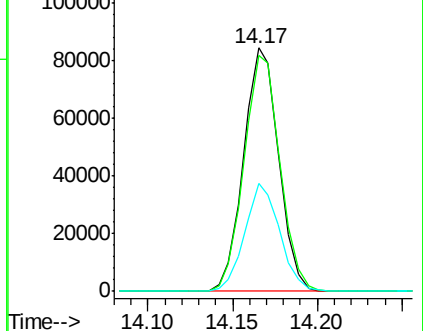
160 44.4 33.7 50.5



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



#41

2,4,6-Tribromophenol

Concen: 93.94 ng

RT: 15.67 min Scan# 2209

Delta R.T. -0.07 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

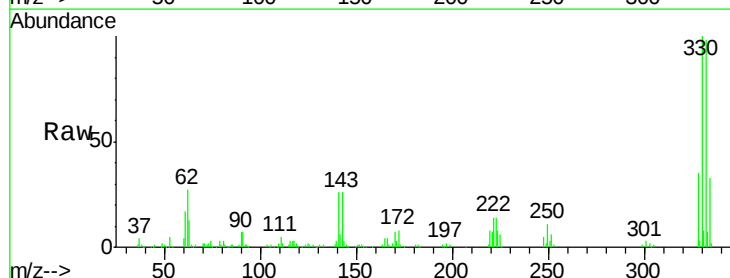
Tgt Ion:330 Resp: 115833

Ion Ratio Lower Upper

330 100

332 97.8 76.8 115.2

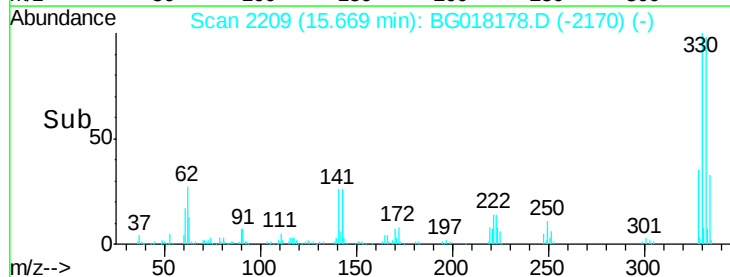
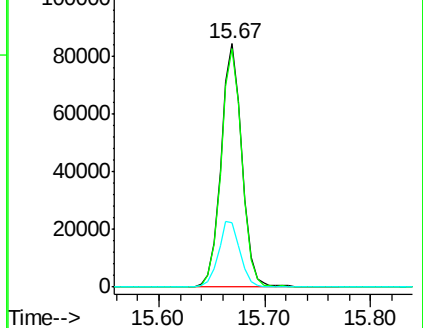
141 28.2 38.0 57.0#

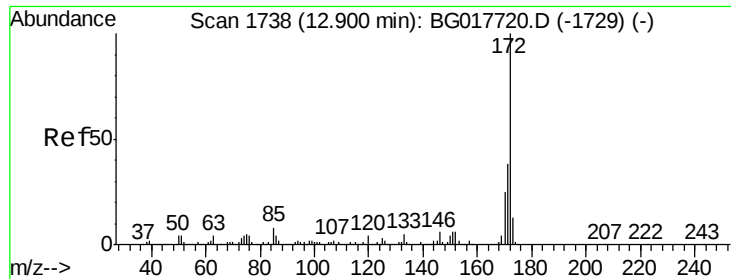


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

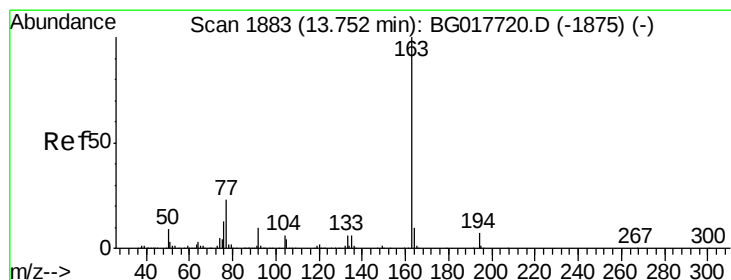
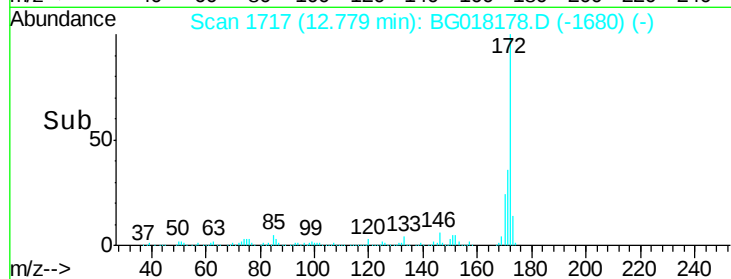
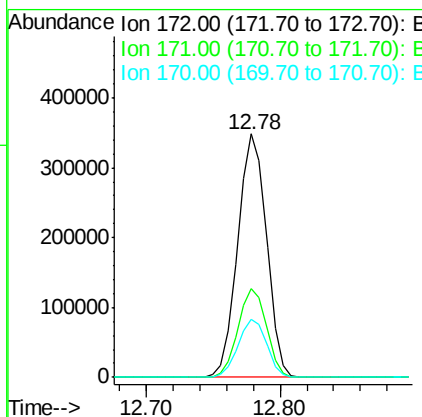
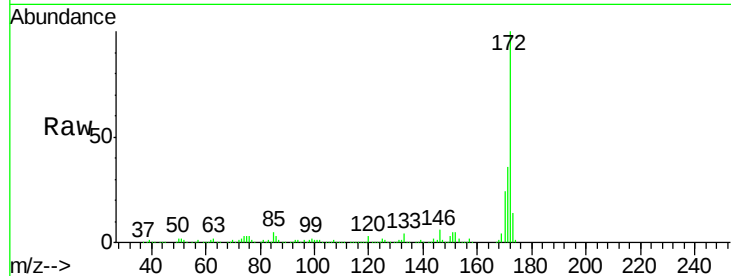




#44
2-Fluorobiphenyl
Concen: 73.95 ng
RT: 12.78 min Scan# 1717
Delta R.T. -0.08 min
Lab File: BG018178.D
Acq: 30 Jul 2015 17:36

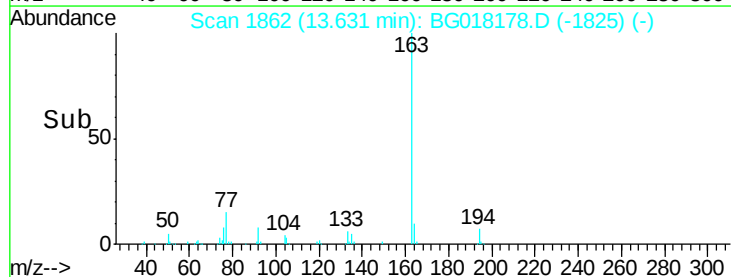
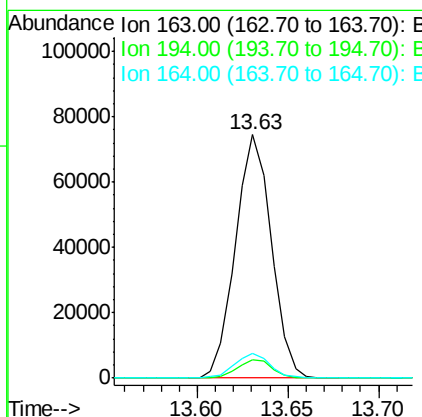
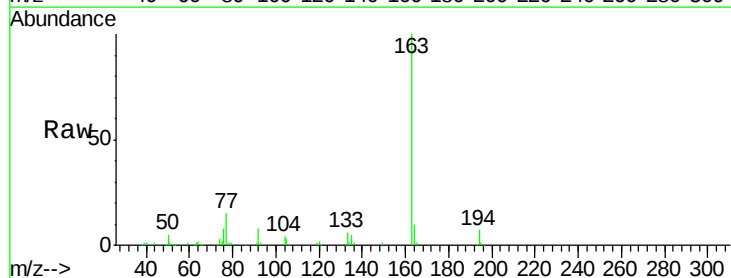
Instrument :
BNA_G
ClientSampleId :
SOIL-3

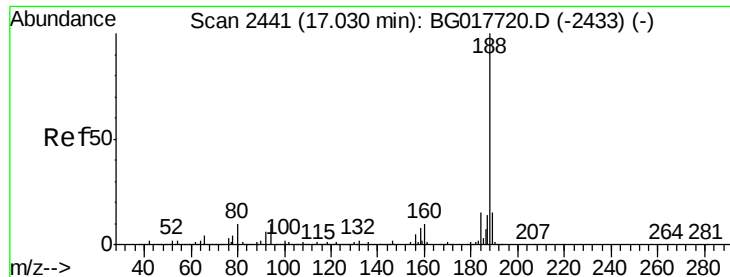
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.7	46.1
170	23.9	19.7	29.5



#49
Dimethylphthalate
Concen: 12.11 ng
RT: 13.63 min Scan# 1862
Delta R.T. -0.08 min
Lab File: BG018178.D
Acq: 30 Jul 2015 17:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.3	5.8	8.6
164	10.4	8.3	12.5

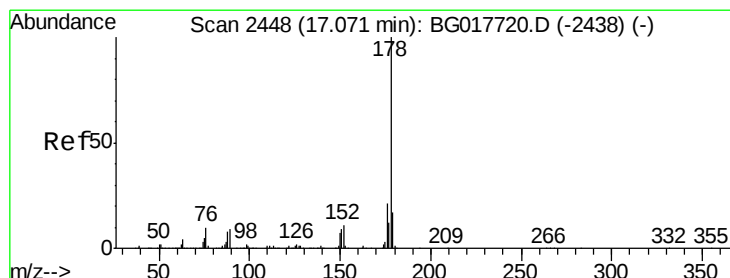
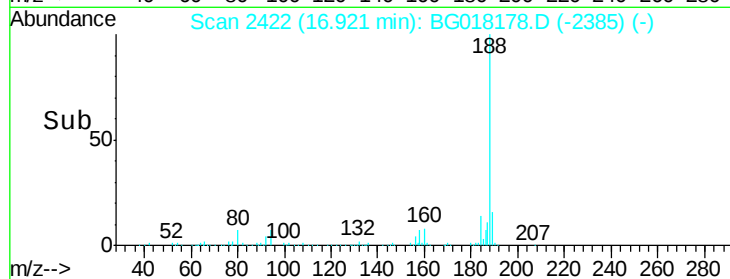
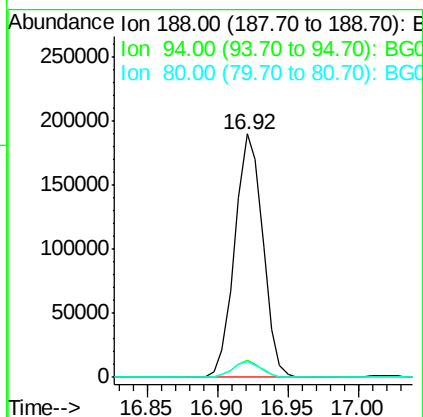
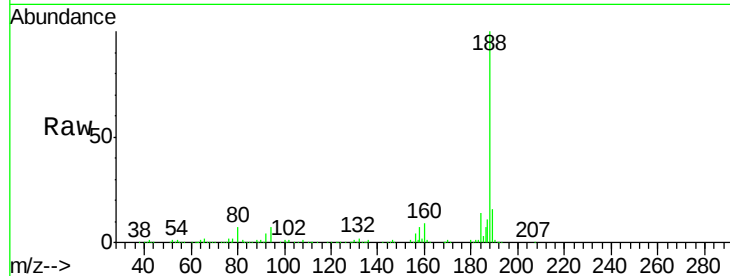




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.92 min Scan# 2422
Delta R.T. -0.08 min
Lab File: BG018178.D
Acq: 30 Jul 2015 17:36

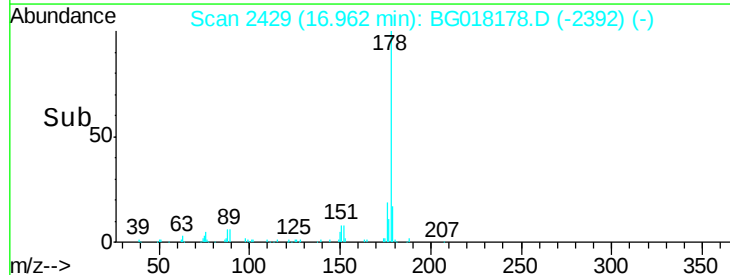
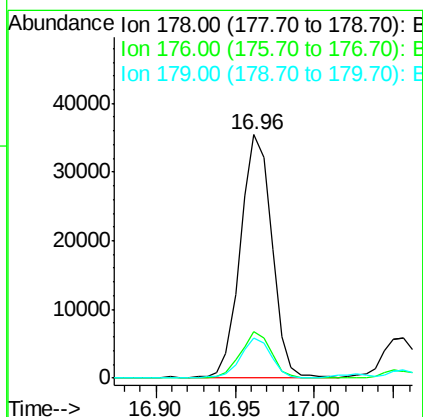
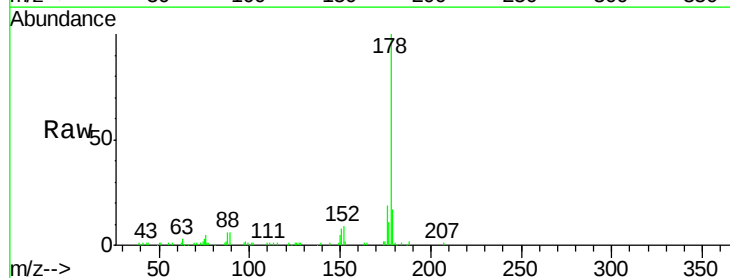
Instrument :
BNA_G
ClientSampled :
SOIL-3

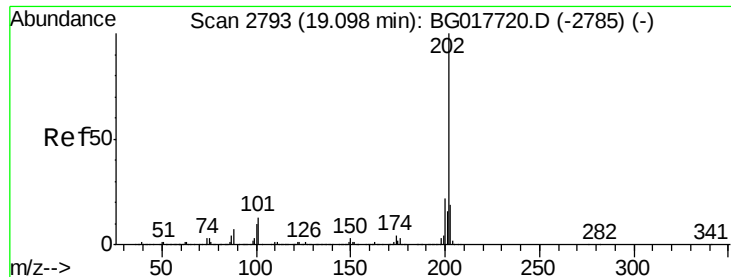
Tgt Ion:188 Resp: 263424
Ion Ratio Lower Upper
188 100
94 6.8 8.2 12.2#
80 6.6 8.2 12.4#



#70
Phenanthrene
Concen: 3.60 ng
RT: 16.96 min Scan# 2429
Delta R.T. -0.08 min
Lab File: BG018178.D
Acq: 30 Jul 2015 17:36

Tgt Ion:178 Resp: 48949
Ion Ratio Lower Upper
178 100
176 19.2 16.5 24.7
179 16.5 13.5 20.3





#74

Fluoranthene

Concen: 5.68 ng

RT: 18.99 min Scan# 2775

Delta R.T. -0.07 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

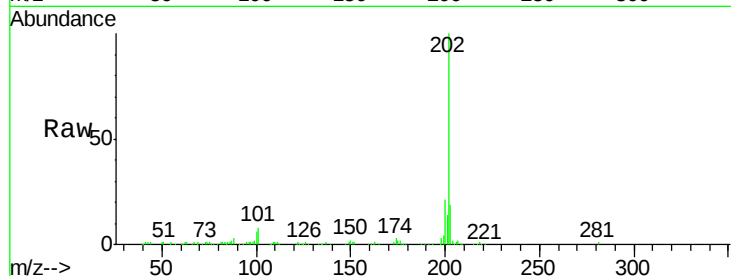
Instrument :

BNA_G

ClientSampleId :

SOIL-3

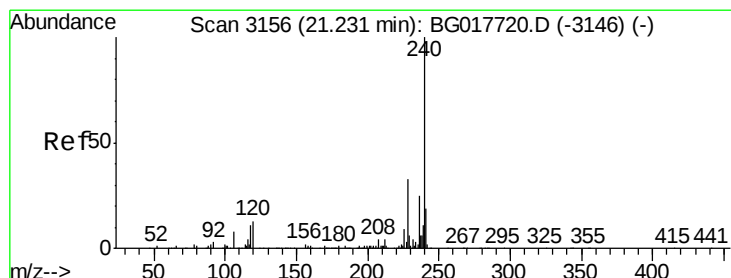
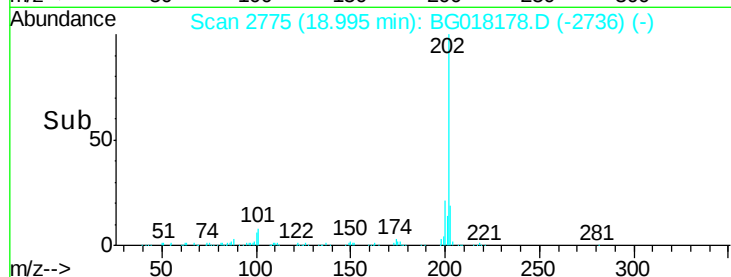
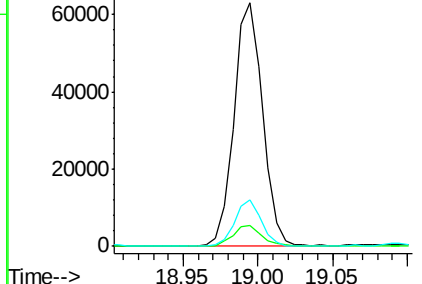
Tgt Ion:	202	Resp:	84545
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	33.3
203	18.9	0.0	39.5



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



#75

Chrysene-d12

Concen: 20.00 ng

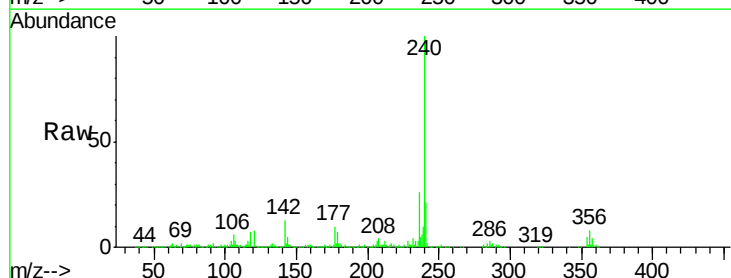
RT: 21.13 min Scan# 3138

Delta R.T. -0.07 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

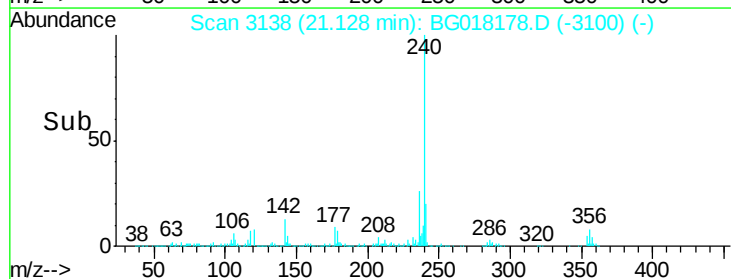
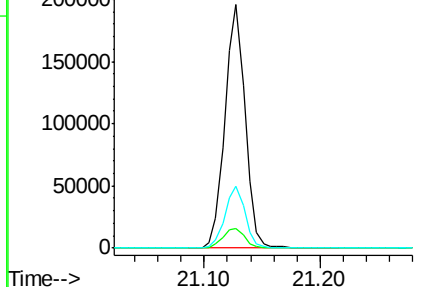
Tgt Ion:	240	Resp:	237298
Ion Ratio	Lower	Upper	
240	100		
120	8.3	10.8	16.2#
236	25.6	20.0	30.0

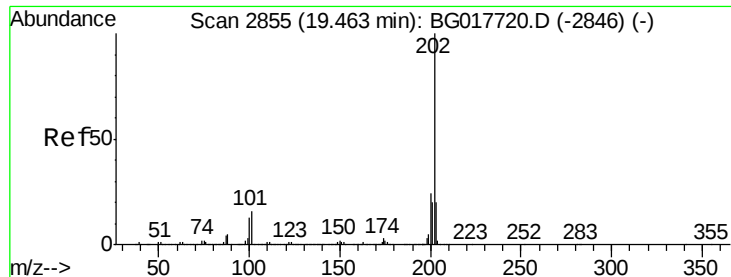


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.77 ng

RT: 19.36 min Scan# 2837

Delta R.T. -0.07 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

Instrument :

BNA_G

ClientSampleId :

SOIL-3

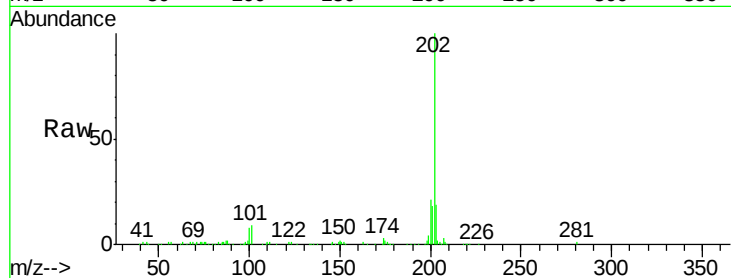
Tgt Ion:202 Resp: 76393

Ion Ratio Lower Upper

202 100

200 20.9 18.8 28.2

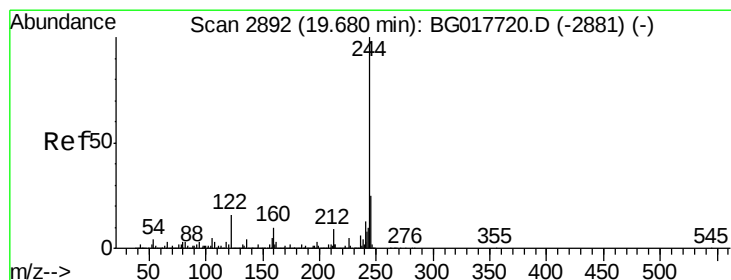
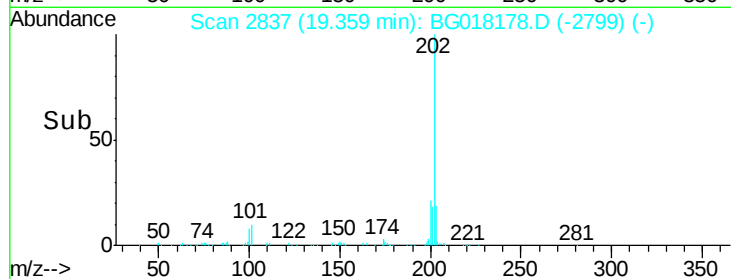
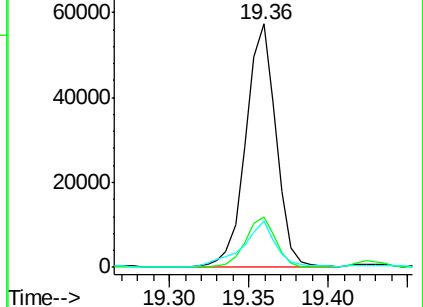
203 19.2 15.9 23.9



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



#78

Terphenyl-d14

Concen: 67.90 ng

RT: 19.58 min Scan# 2874

Delta R.T. -0.07 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

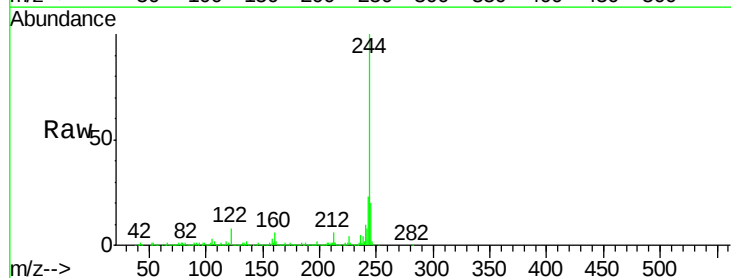
Tgt Ion:244 Resp: 639668

Ion Ratio Lower Upper

244 100

212 6.5 7.2 10.8#

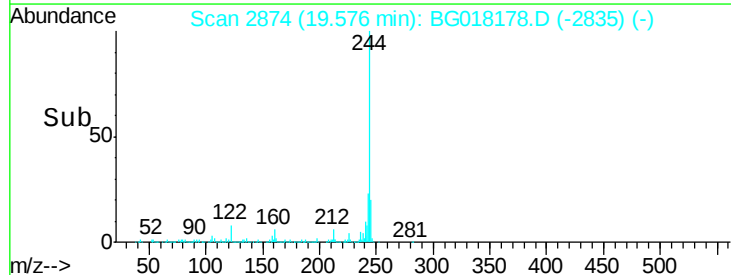
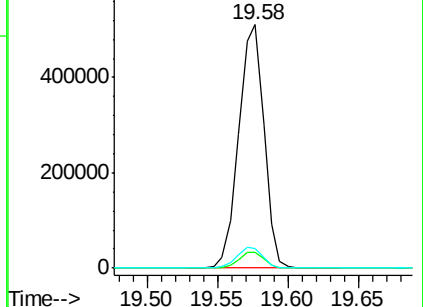
122 8.0 12.8 19.2#

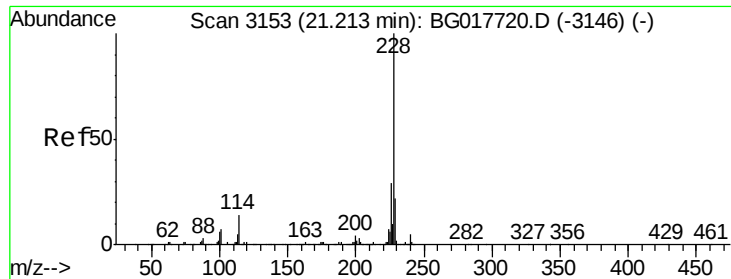


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.00 ng

RT: 21.11 min Scan# 3135

Delta R.T. -0.07 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

Instrument :

BNA_G

ClientSampleId :

SOIL-3

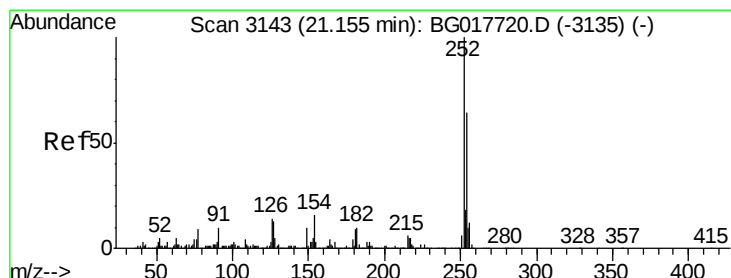
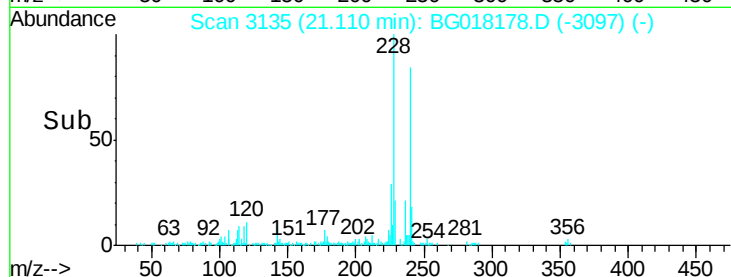
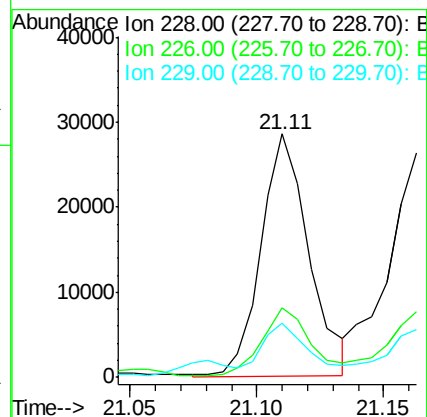
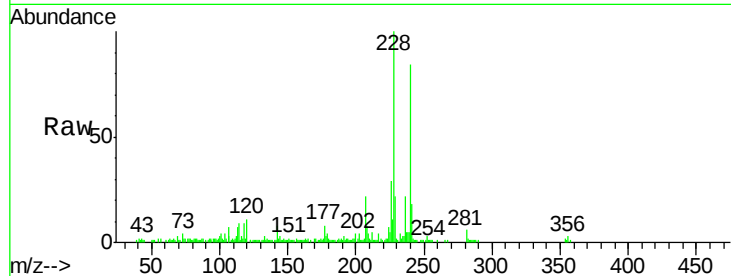
Tgt Ion:228 Resp: 37639

Ion Ratio Lower Upper

228 100

226 28.8 23.1 34.7

229 22.1 17.4 26.0



#81

3,3'-Dichlorobenzidine

Concen: 18.00 ng

RT: 21.05 min Scan# 3125

Delta R.T. -0.07 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

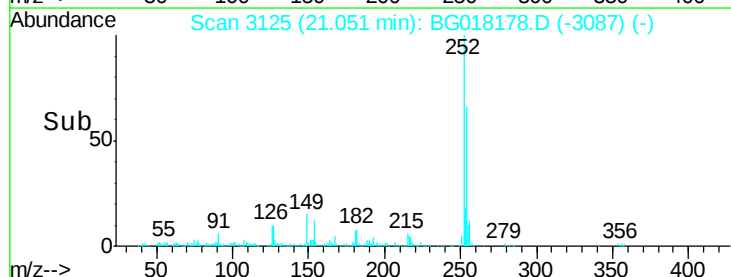
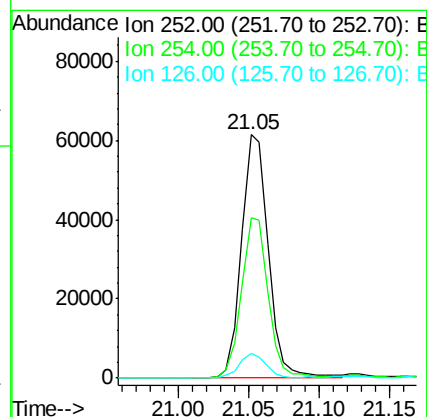
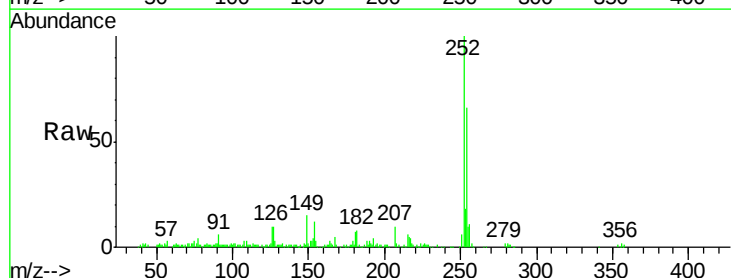
Tgt Ion:252 Resp: 81816

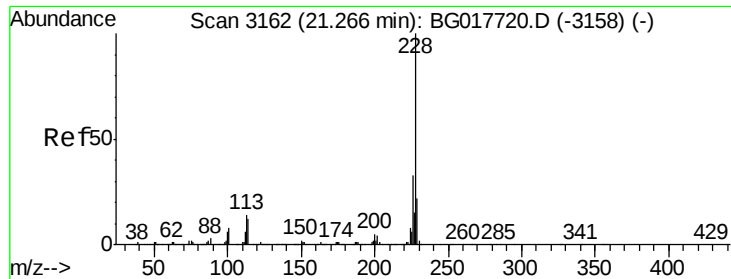
Ion Ratio Lower Upper

252 100

254 65.8 51.2 76.8

126 10.4 11.4 17.0#

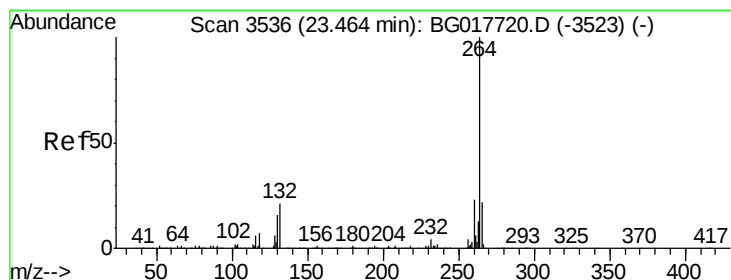
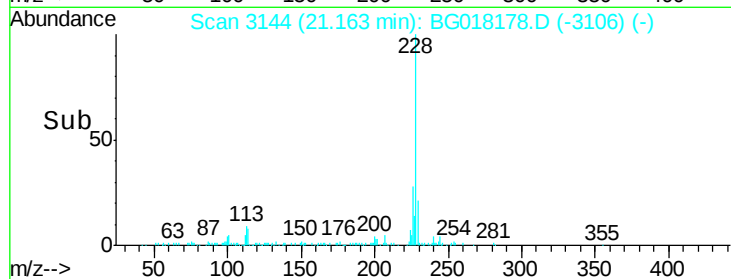
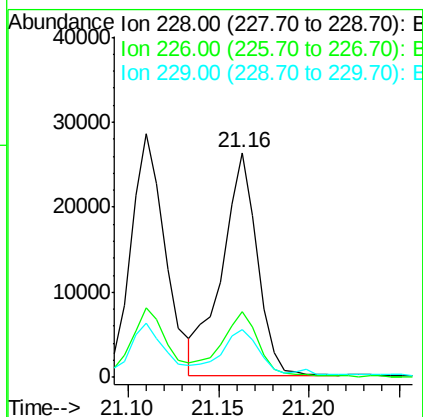
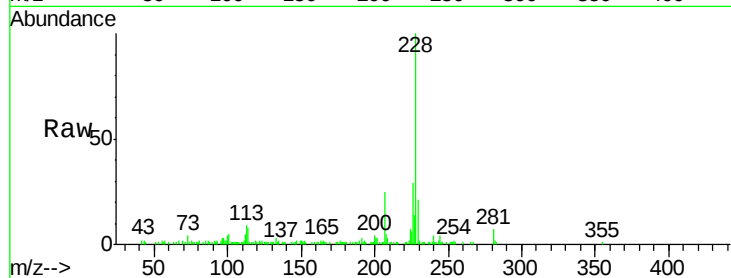




#82
Chrysene
Concen: 2.98 ng
RT: 21.16 min Scan# 3144
Delta R.T. -0.07 min
Lab File: BG018178.D
Acq: 30 Jul 2015 17:36

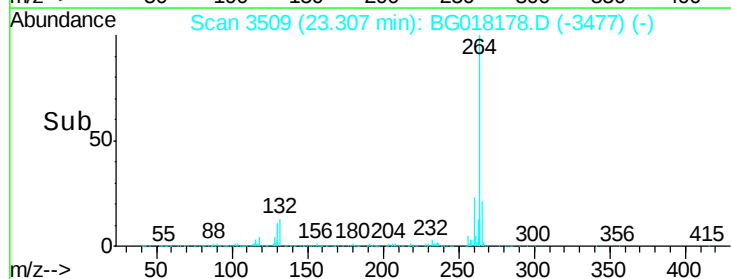
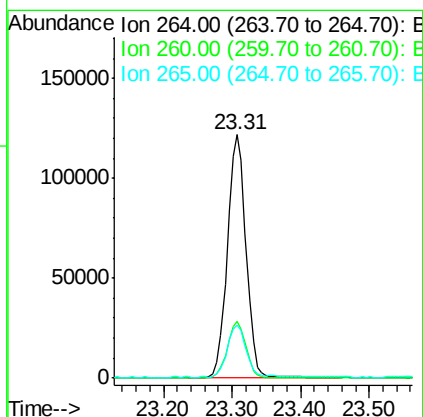
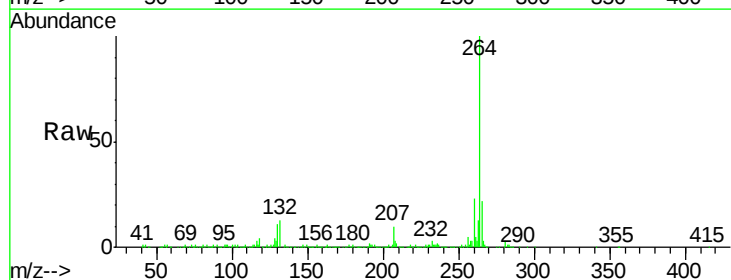
Instrument :
BNA_G
ClientSampleId :
SOIL-3

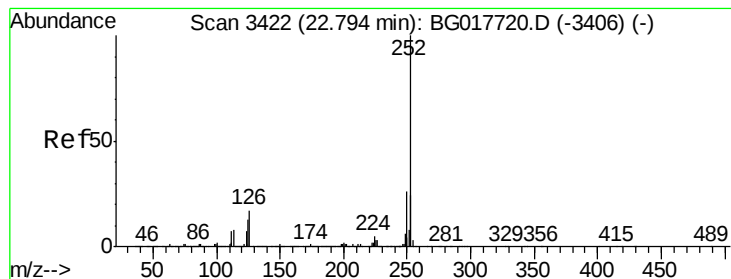
Tgt Ion:228 Resp: 35570
Ion Ratio Lower Upper
228 100
226 29.0 26.1 39.1
229 21.3 17.7 26.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.31 min Scan# 3509
Delta R.T. -0.11 min
Lab File: BG018178.D
Acq: 30 Jul 2015 17:36

Tgt Ion:264 Resp: 231328
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.6 18.2 27.2





#87

Benzo(b)fluoranthene

Concen: 5.18 ng

RT: 22.66 min Scan# 3398

Delta R.T. -0.09 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

Instrument :

BNA_G

ClientSampleId :

SOIL-3

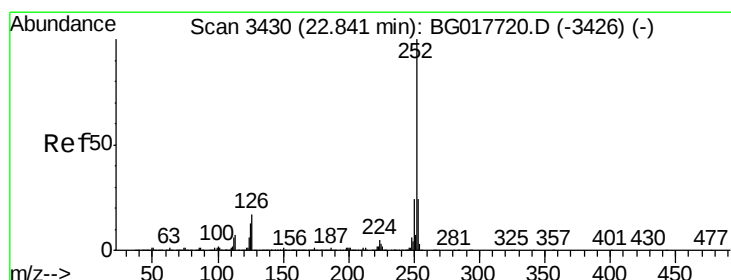
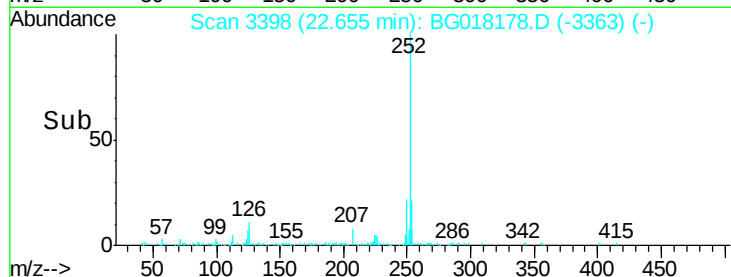
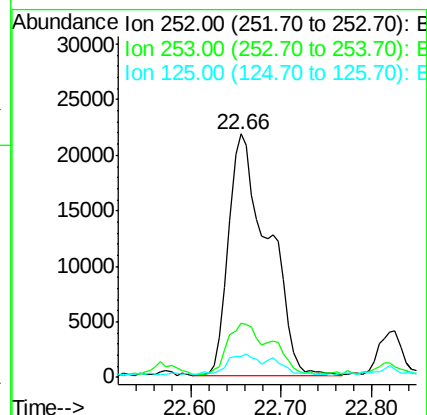
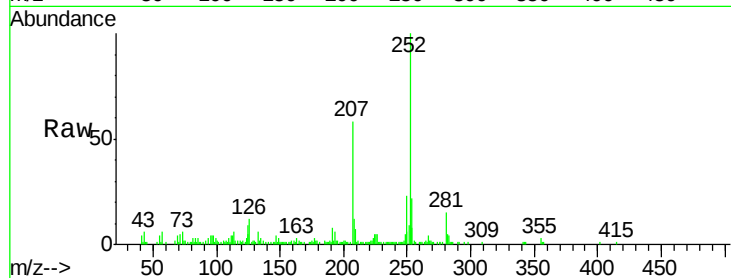
Tgt Ion:252 Resp: 65593

Ion Ratio Lower Upper

252 100

253 22.5 19.7 29.5

125 8.8 10.6 15.8#



#88

Benzo(k)fluoranthene

Concen: 5.19 ng

RT: 22.66 min Scan# 3398

Delta R.T. -0.14 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

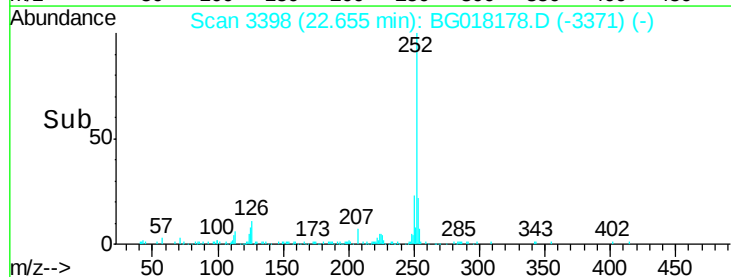
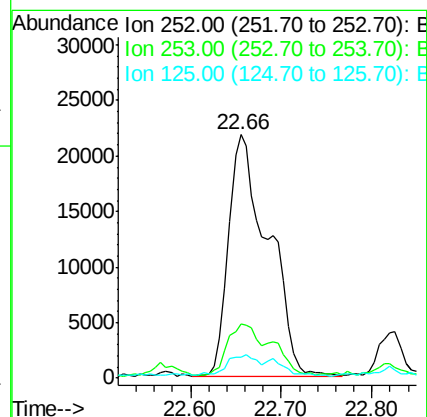
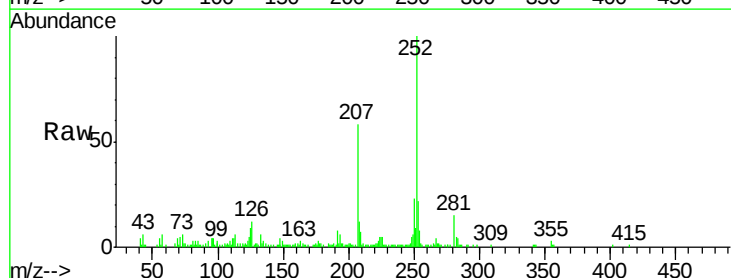
Tgt Ion:252 Resp: 65593

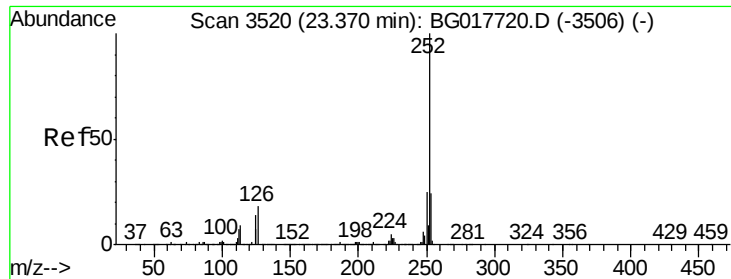
Ion Ratio Lower Upper

252 100

253 22.5 19.0 28.6

125 8.8 10.3 15.5#





#89

Benzo(a)pyrene

Concen: 2.04 ng

RT: 23.12 min Scan# 3477

Delta R.T. -0.20 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

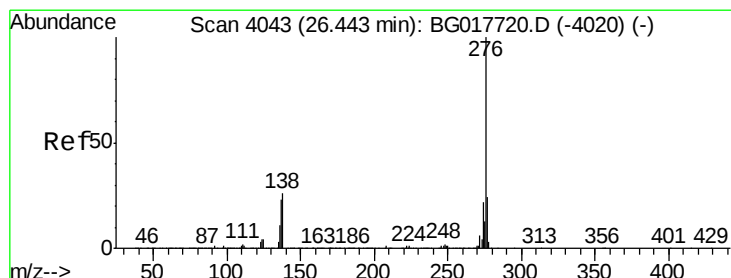
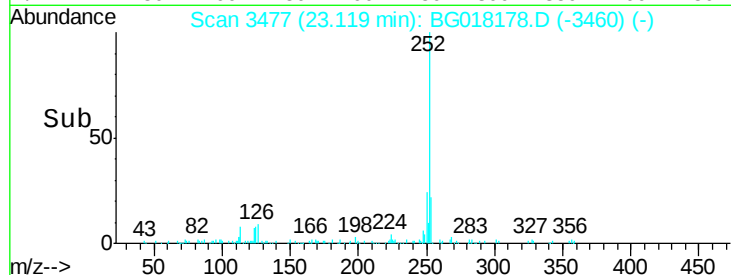
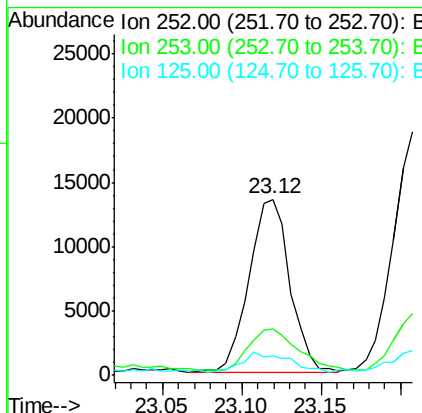
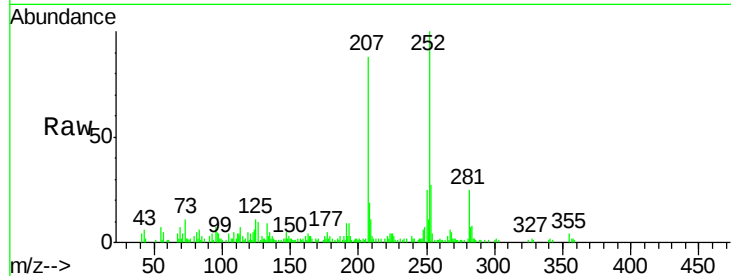
Instrument :

BNA_G

ClientSampleId :

SOIL-3

Tgt Ion:	252	Resp:	24086
Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.0	28.6
125	11.3	11.1	16.7



#91

Benzo(g,h,i)perylene

Concen: 2.03 ng

RT: 26.17 min Scan# 3996

Delta R.T. -0.19 min

Lab File: BG018178.D

Acq: 30 Jul 2015 17:36

Tgt Ion:	276	Resp:	23928
Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.9	28.3
138	17.5	20.8	31.2#

