

Data Path : Z:\HPCHEM1\BNA_G\Data\BG040215\
 Data File : BG016219.D
 Acq On : 2 Apr 2015 10:38
 Operator : TP/IZ
 Sample : G1647-09 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Quant Time: Apr 03 03:56:59 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 03 04:09:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	76543	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	330764	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	189573	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	367536	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	376867	20.00	ng/ul	0.01
83) Perylene-d12	23.54	264	373514	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	134	0.08	ng/uL	-0.25
5) Phenol-d5	6.88	99	27106	3.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	15965	3.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	20981	3.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	21460	3.93	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	11349	4.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	12465	4.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	19975	3.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	13395	1.97	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	57532	4.59	ng/ul	0.00
46) Acenaphthylene-d8	14.04	160	74905	4.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	10437	3.30	ng/ul	0.00
57) Fluorene-d10	15.34	176	51901	4.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	6746	2.69	ng/ul	0.00
70) Anthracene-d10	17.19	188	73616	4.36	ng/ul	0.00
76) Pyrene-d10	19.49	212	72438	4.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	65313	3.88	ng/ul	0.02

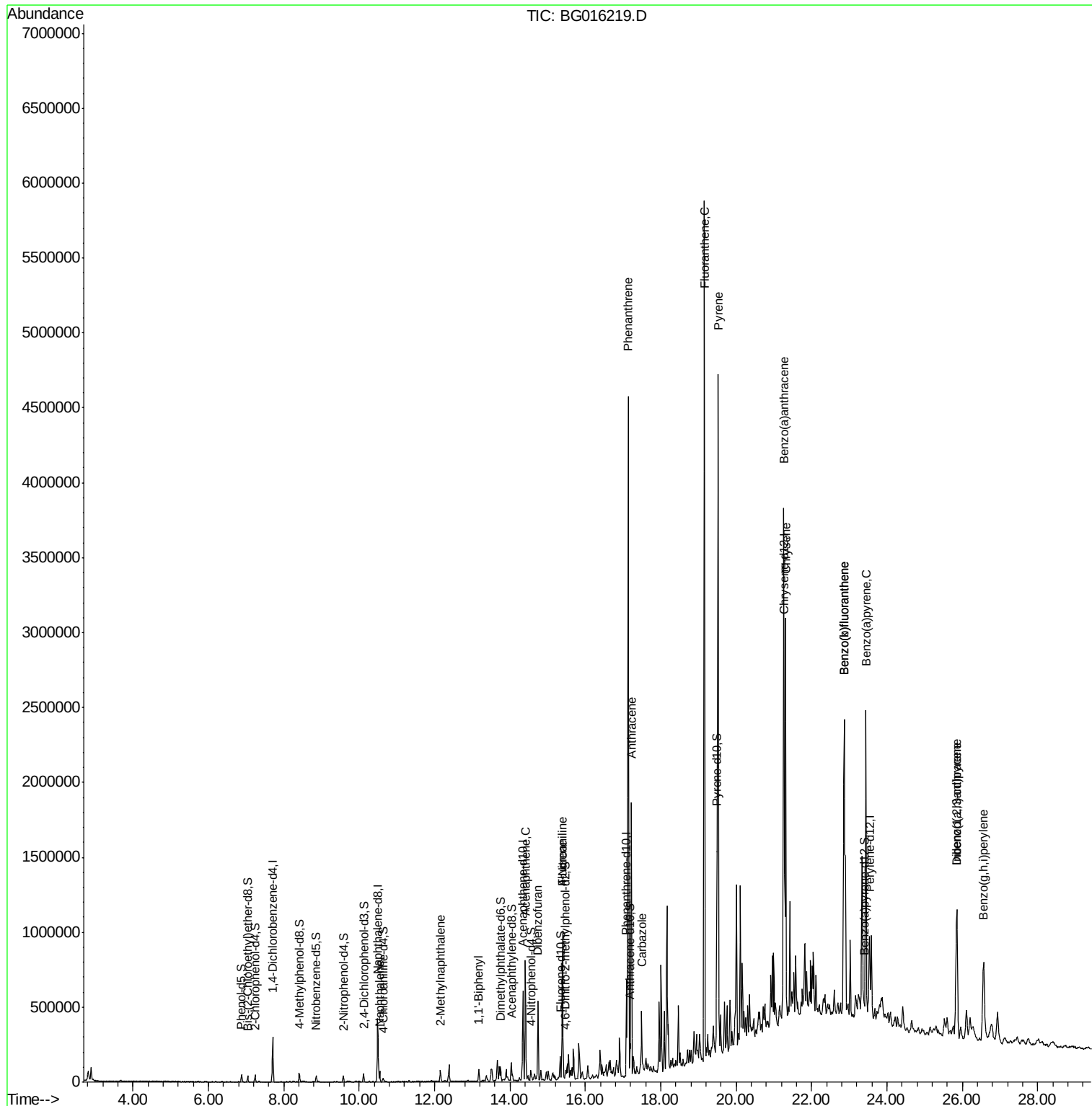
Target Compounds

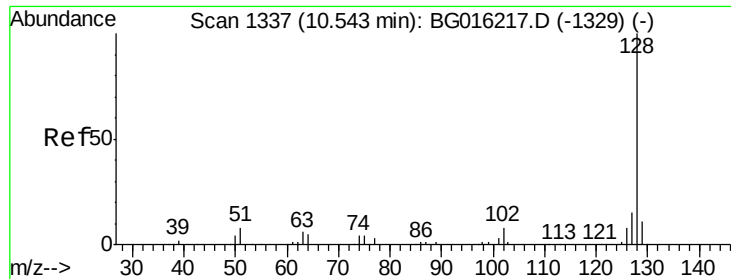
						Qvalue
28) Naphthalene	10.54	128	55276	3.11	ng/ul	98
34) 2-Methylnaphthalene	12.16	142	34649	2.75	ng/ul	97
40) 1,1'-Biphenyl	13.18	154	30508	2.01	ng/ul	96
49) Acenaphthene	14.41	153	295781	22.38	ng/ul	98
53) Dibenzofuran	14.74	168	293487	17.09	ng/ul	99
58) Fluorene	15.40	166	413162	27.45	ng/ul	100
60) 4-Nitroaniline	15.39	138	5700	1.40	ng/ul#	27
69) Phenanthrene	17.14	178	2307480	110.60	ng/ul#	85
71) Anthracene	17.22	178	1009725	47.34	ng/ul	98
72) Carbazole	17.49	167	224742	10.92	ng/ul	97
74) Fluoranthene	19.16	202	2727227	117.60	ng/ul#	81
77) Pyrene	19.52	202	2487428	106.33	ng/ul#	85
80) Benzo(a)anthracene	21.26	228	1394585	63.93	ng/ul#	91
82) Chrysene	21.31	228	1152704	56.89	ng/ul#	94
85) Benzo(b)fluoranthene	22.86	252	1584442	71.03	ng/ul	95
86) Benzo(k)fluoranthene	22.86	252	362996	16.89	ng/ul	98
88) Benzo(a)pyrene	23.45	252	1225865	57.64	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	25.85	276	768400	30.90	ng/ul	93
90) Dibenzo(a,h)anthracene	25.85	278	196438	9.49	ng/ul#	74
91) Benzo(g,h,i)perylene	26.56	276	595389	29.29	ng/ul	99

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

```
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Operator  : TP/IZ  
Sample    : G1647-09 10X  
Misc      :  
ALS Vial  : 4 Sample Multiplier: 1
```

Quant Time: Apr 03 03:56:59 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 03 04:09:54 2015
Response via : Initial Calibration

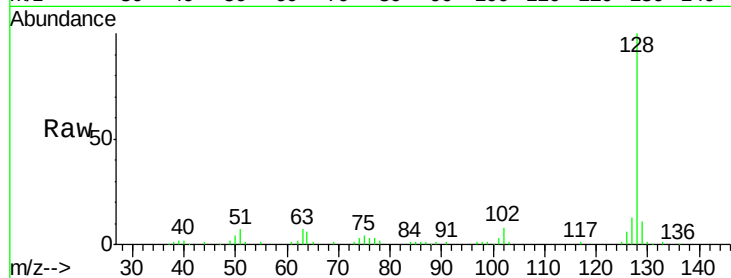




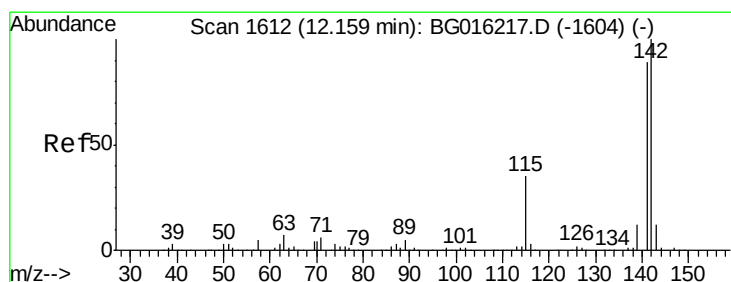
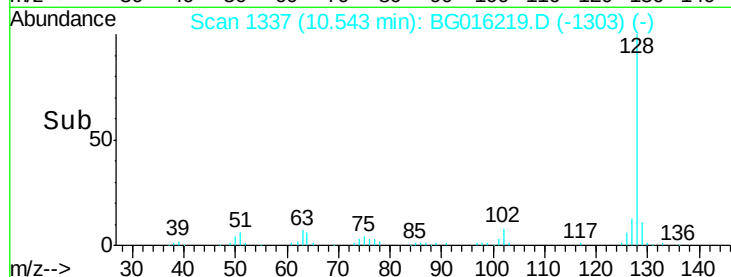
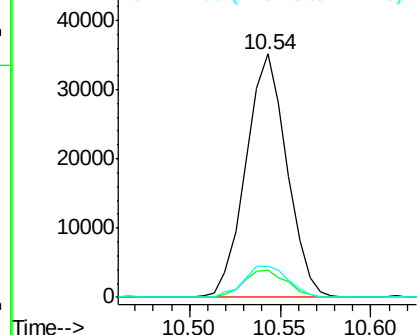
#28
Naphthalene
Concen: 3.11 ng/ul
RT: 10.54 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BG016219.D
Acq: 2 Apr 2015 10:38

Instrument :
BNA_G
ClientSampleId :
C0AC8

Tgt Ion:128 Resp: 55276
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 12.9 11.4 17.0

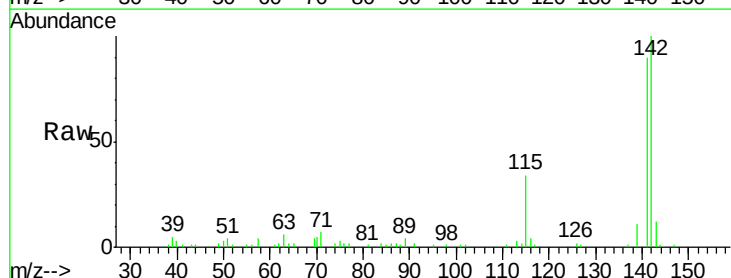


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

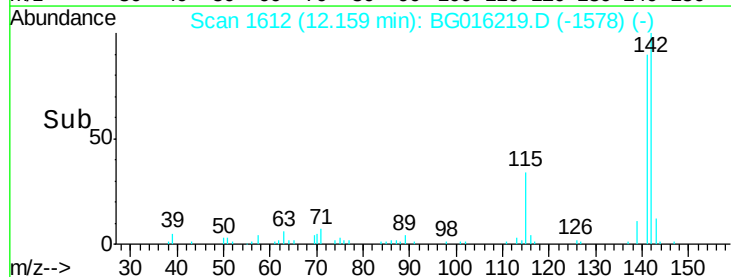
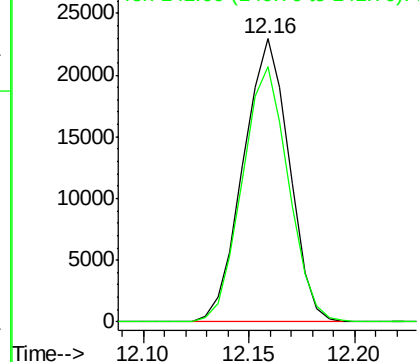


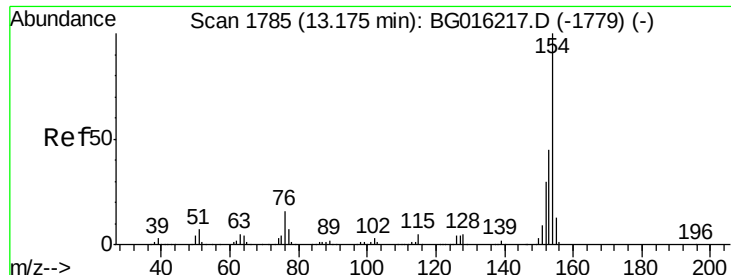
#34
2-Methylnaphthalene
Concen: 2.75 ng/ul
RT: 12.16 min Scan# 1612
Delta R.T. -0.00 min
Lab File: BG016219.D
Acq: 2 Apr 2015 10:38

Tgt Ion:142 Resp: 34649
Ion Ratio Lower Upper
142 100
141 90.1 69.7 104.5



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

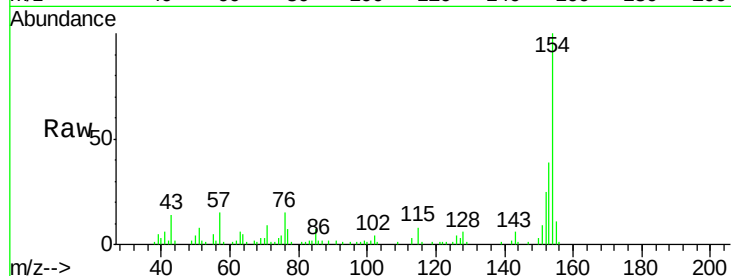




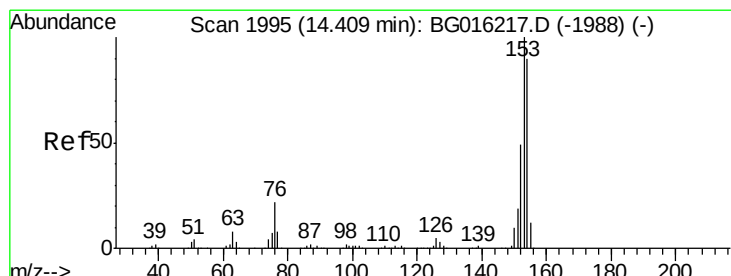
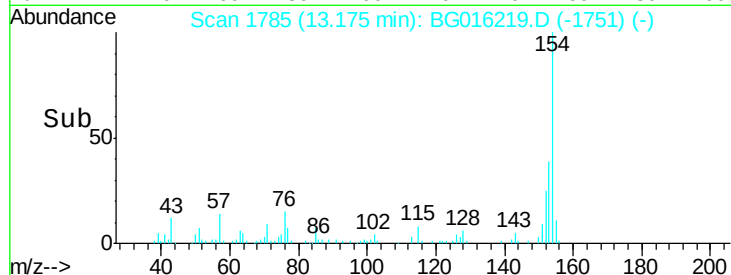
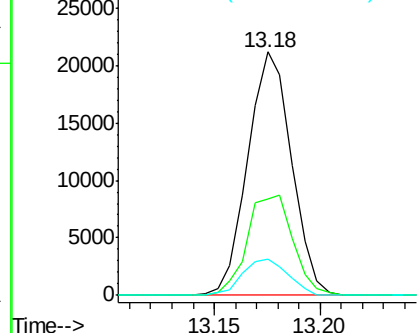
#40
 1,1'-Biphenyl
 Concen: 2.01 ng/ul
 RT: 13.18 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: BG016219.D
 Acq: 2 Apr 2015 10:38

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.4	34.5	51.7
76	14.7	11.8	17.8

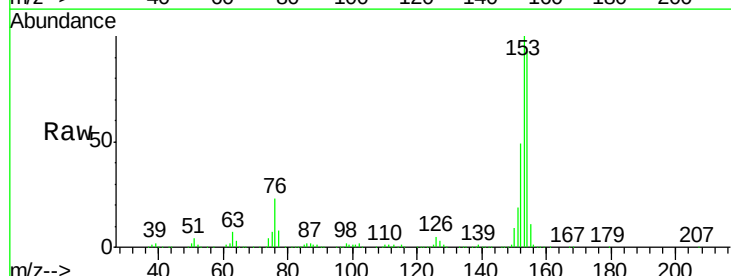


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

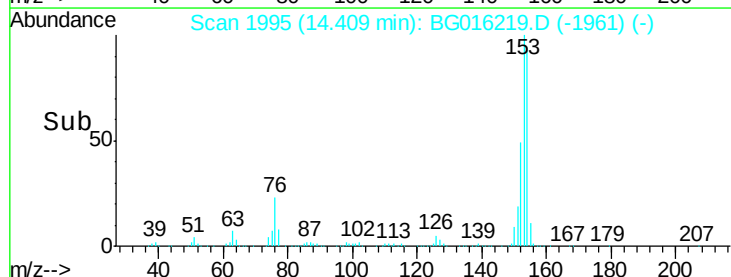
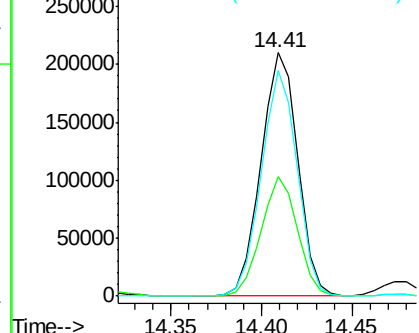


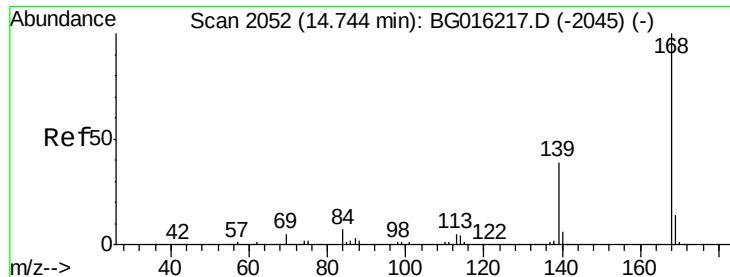
#49
 Acenaphthene
 Concen: 22.38 ng/ul
 RT: 14.41 min Scan# 1995
 Delta R.T. -0.00 min
 Lab File: BG016219.D
 Acq: 2 Apr 2015 10:38

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.2	39.0	58.4
154	92.8	72.5	108.7



Abundance Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E
 Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 17.09 ng/ul

RT: 14.74 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

ClientSampleId :

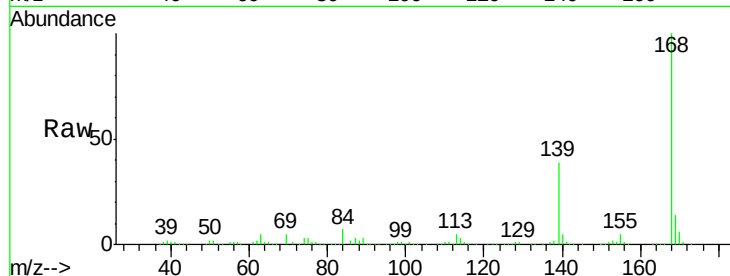
C0AC8

Tgt Ion:168 Resp: 293487

Ion Ratio Lower Upper

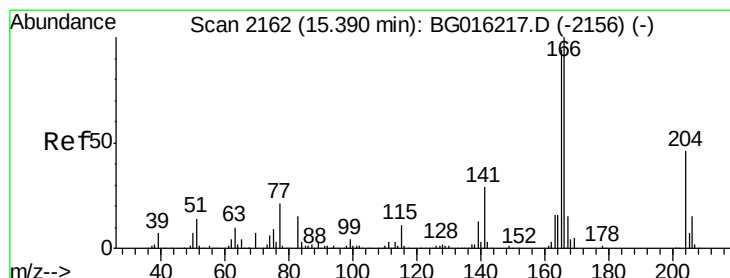
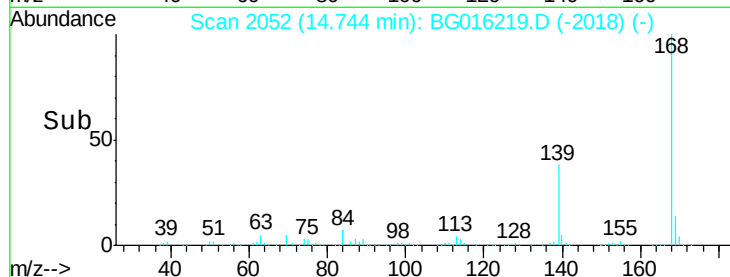
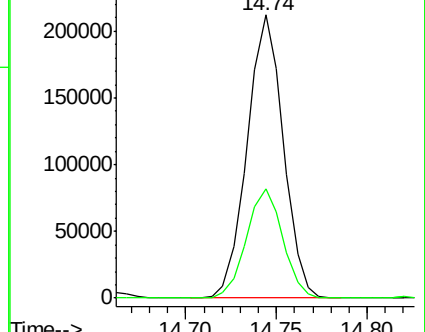
168 100

139 38.6 31.4 47.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 27.45 ng/ul

RT: 15.40 min Scan# 2163

Delta R.T. 0.01 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

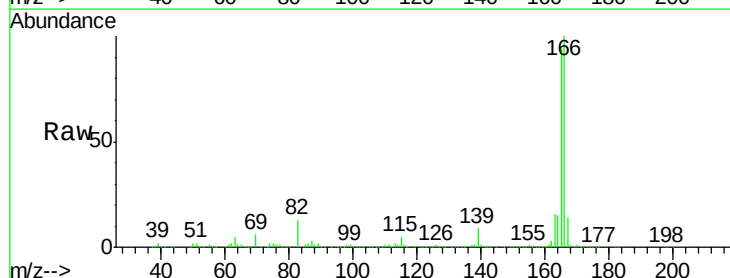
Tgt Ion:166 Resp: 413162

Ion Ratio Lower Upper

166 100

165 94.5 75.6 113.4

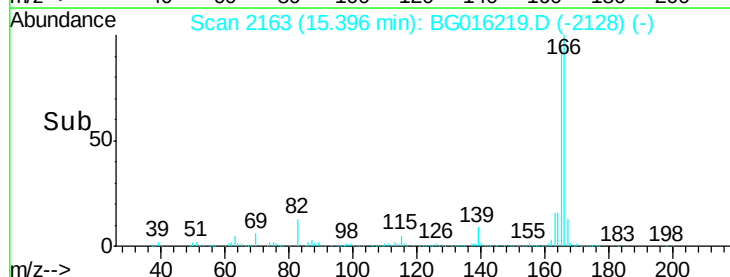
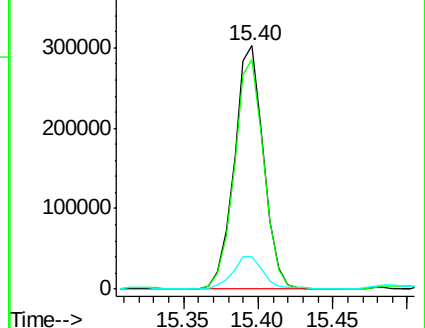
167 13.5 10.7 16.1

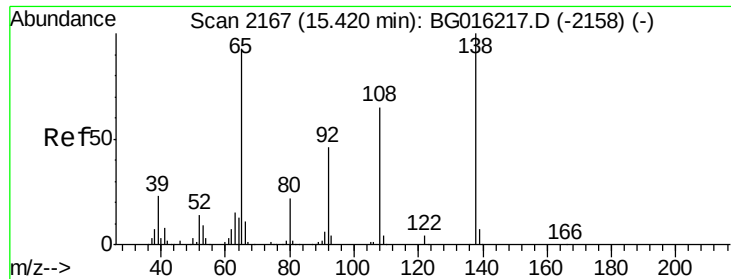


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

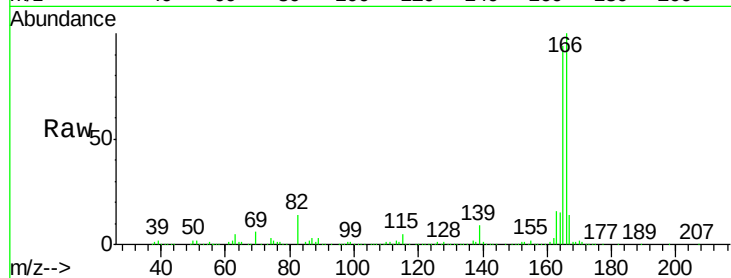




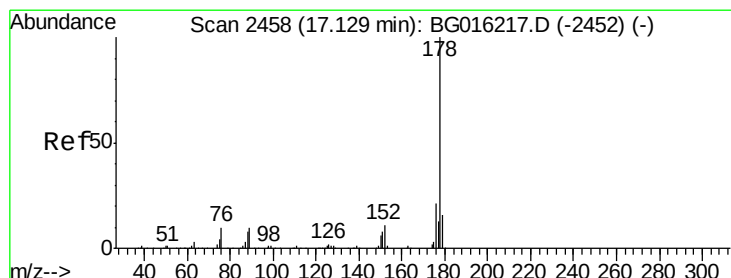
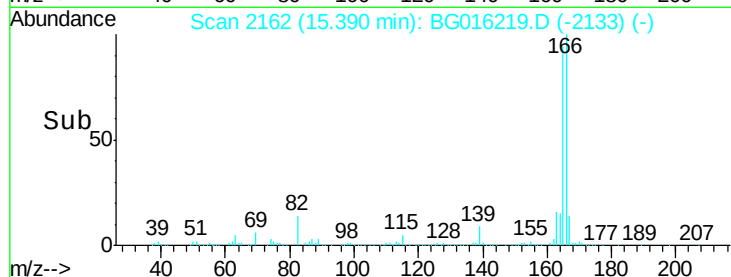
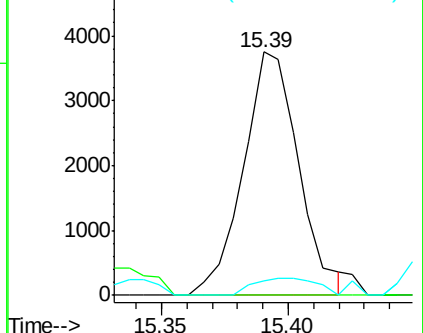
#60
4-Nitroaniline
Concen: 1.40 ng/ul
RT: 15.39 min Scan# 2162
Delta R.T. -0.03 min
Lab File: BG016219.D
Acq: 2 Apr 2015 10:38

Instrument :
BNA_G
ClientSampleId :
C0AC8

Tgt Ion:138 Resp: 5700
Ion Ratio Lower Upper
138 100
92 0.0 38.6 57.8#
108 6.1 51.3 76.9#

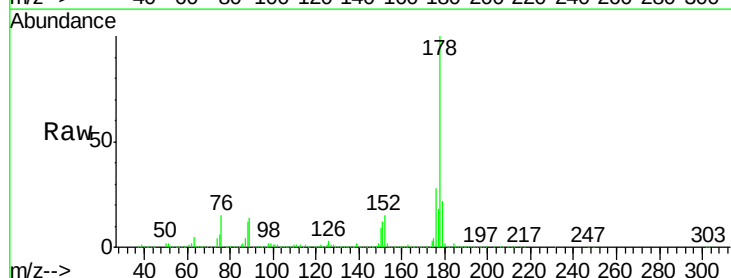


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

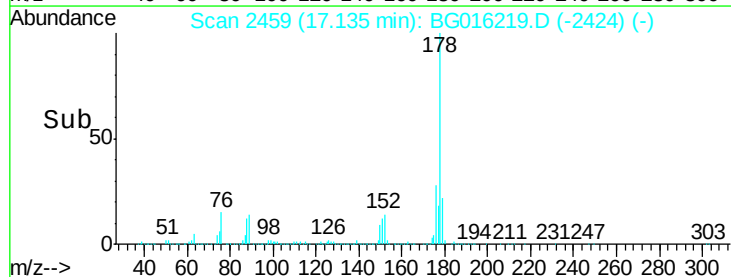
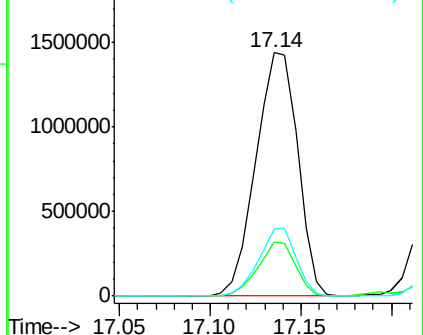


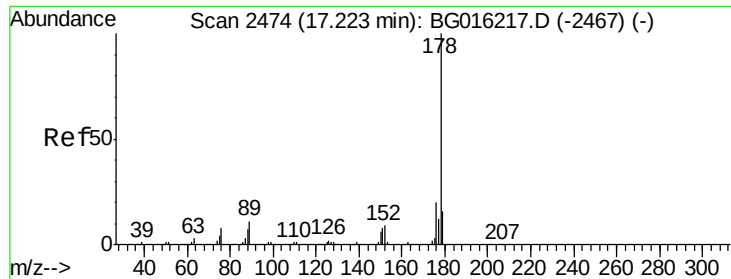
#69
Phenanthrene
Concen: 110.60 ng/ul
RT: 17.14 min Scan# 2459
Delta R.T. 0.01 min
Lab File: BG016219.D
Acq: 2 Apr 2015 10:38

Tgt Ion:178 Resp: 2307480
Ion Ratio Lower Upper
178 100
179 22.3 12.6 19.0#
176 27.7 16.6 24.8#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 47.34 ng/ul

RT: 17.22 min Scan# 2474

Delta R.T. -0.00 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

ClientSampleId :

C0AC8

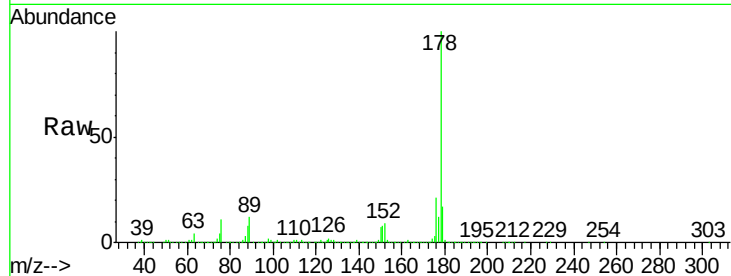
Tgt Ion:178 Resp: 1009725

Ion Ratio Lower Upper

178 100

179 16.9 13.0 19.4

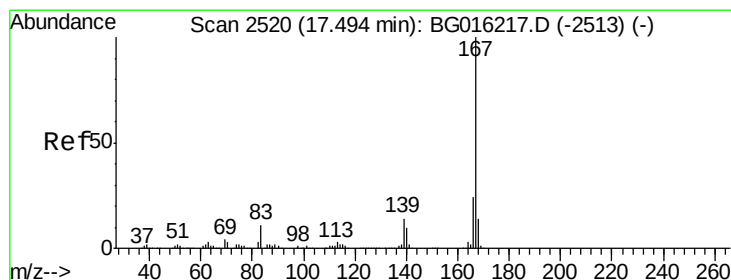
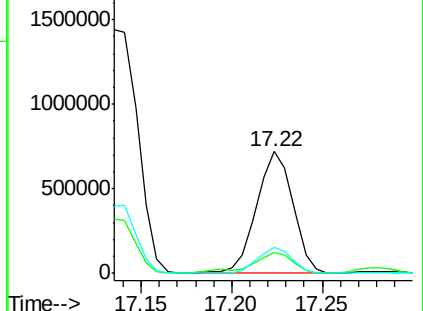
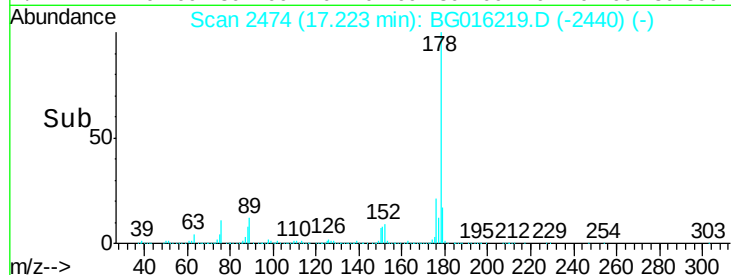
176 21.3 15.9 23.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 10.92 ng/ul

RT: 17.49 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

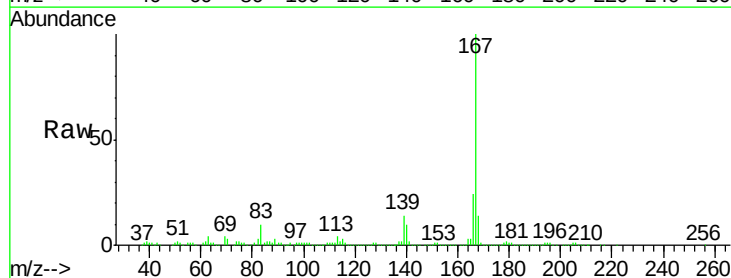
Tgt Ion:167 Resp: 224742

Ion Ratio Lower Upper

167 100

166 24.4 18.4 27.6

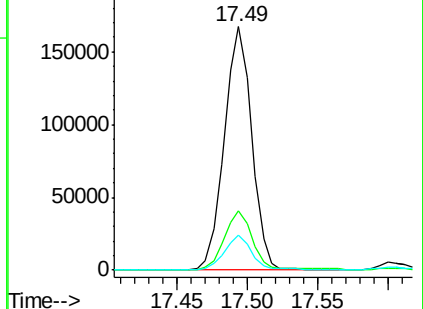
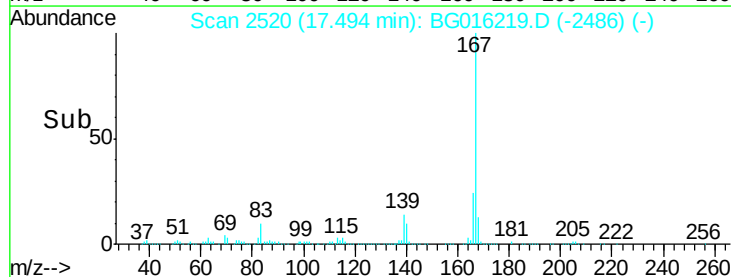
139 14.4 10.7 16.1

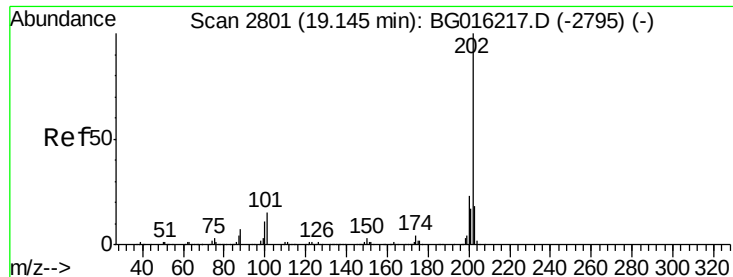


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 117.60 ng/ul

RT: 19.16 min Scan# 2804

Delta R.T. 0.02 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

ClientSampleId :

C0AC8

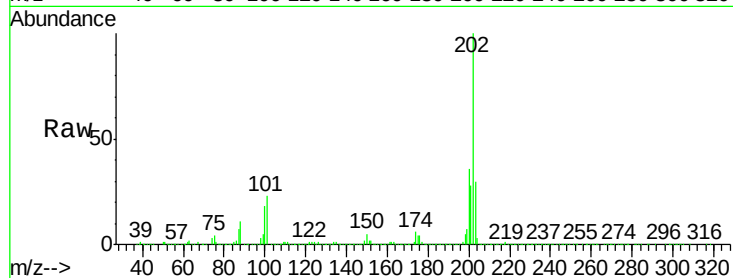
Tgt Ion:202 Resp: 2727227

Ion Ratio Lower Upper

202 100

101 23.2 11.8 17.8#

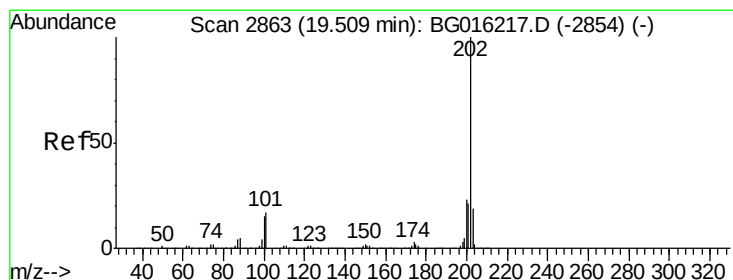
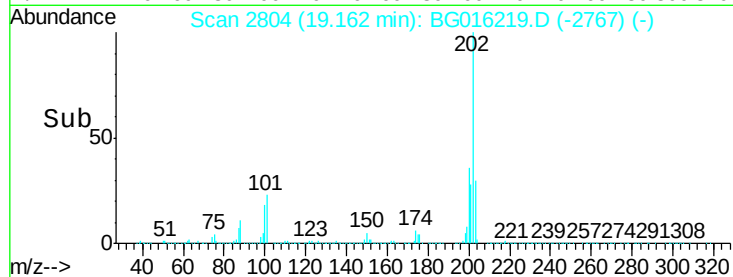
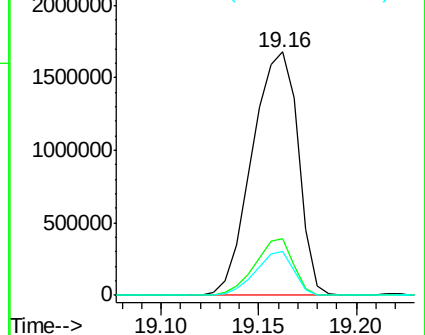
100 18.0 9.4 14.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 106.33 ng/ul

RT: 19.52 min Scan# 2865

Delta R.T. 0.01 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

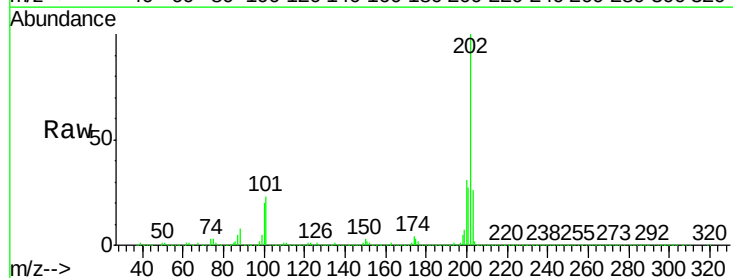
Tgt Ion:202 Resp: 2487428

Ion Ratio Lower Upper

202 100

101 23.5 13.4 20.0#

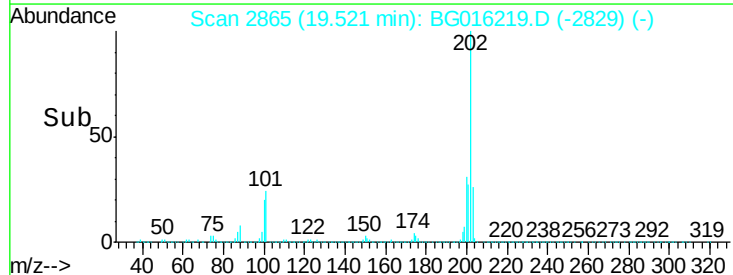
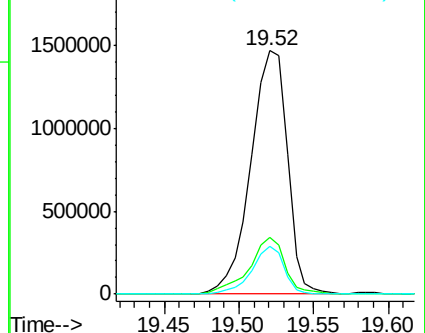
100 19.7 11.1 16.7#

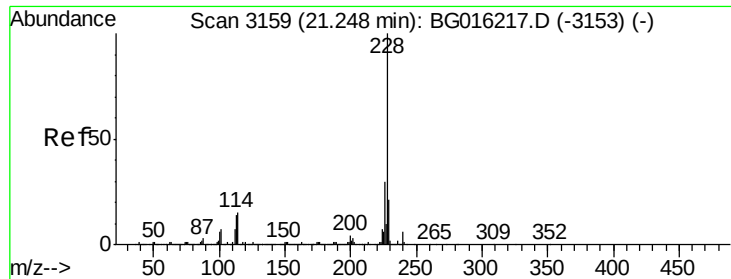


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 63.93 ng/ul

RT: 21.26 min Scan# 3161

Delta R.T. 0.01 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

ClientSampled :

C0AC8

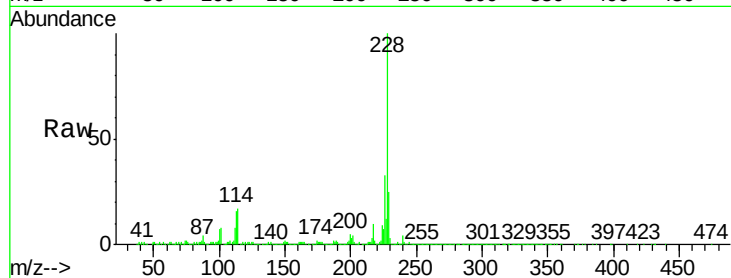
Tgt Ion:228 Resp: 1394585

Ion Ratio Lower Upper

228 100

229 24.8 16.5 24.7#

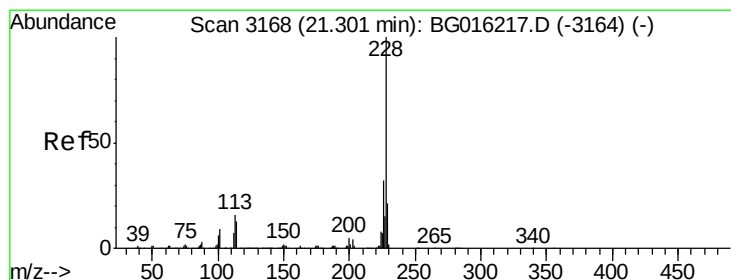
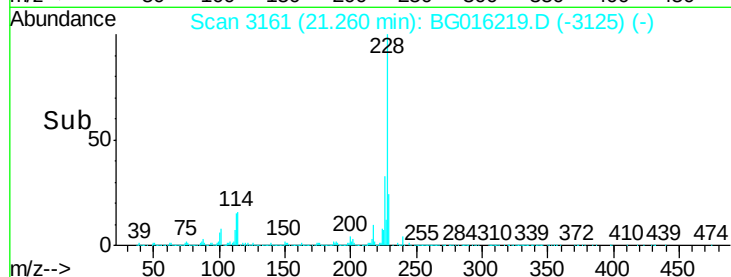
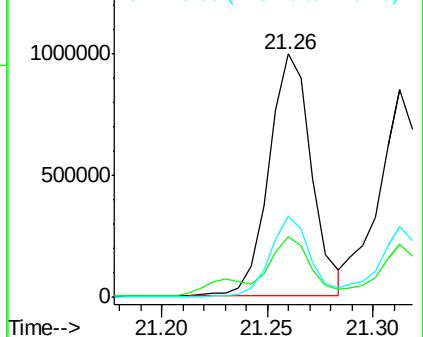
226 33.2 23.0 34.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 56.89 ng/ul

RT: 21.31 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

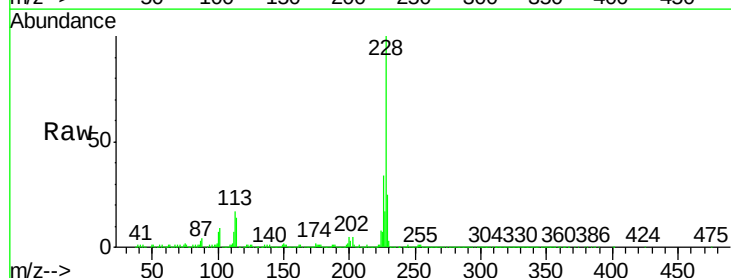
Tgt Ion:228 Resp: 1152704

Ion Ratio Lower Upper

228 100

226 33.7 25.4 38.0

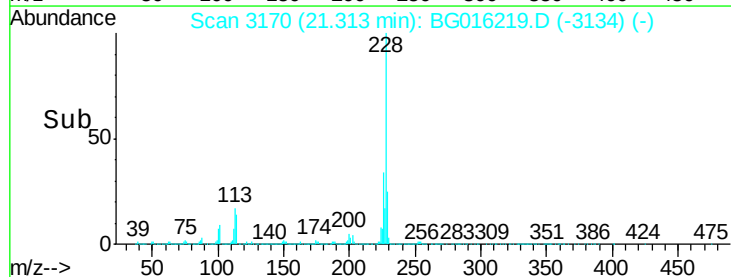
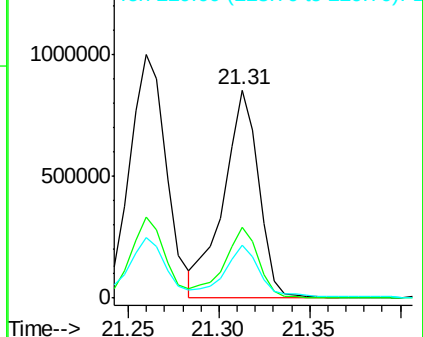
229 25.3 16.5 24.7#

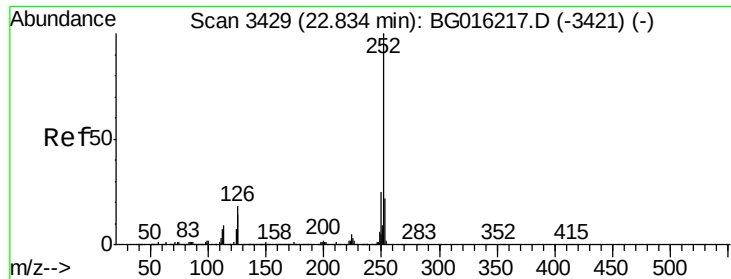


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 71.03 ng/ul

RT: 22.86 min Scan# 3434

Delta R.T. 0.03 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

ClientSampleId :

C0AC8

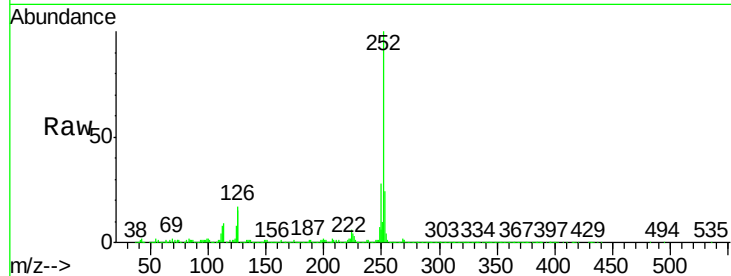
Tgt Ion:252 Resp: 1584442

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.6

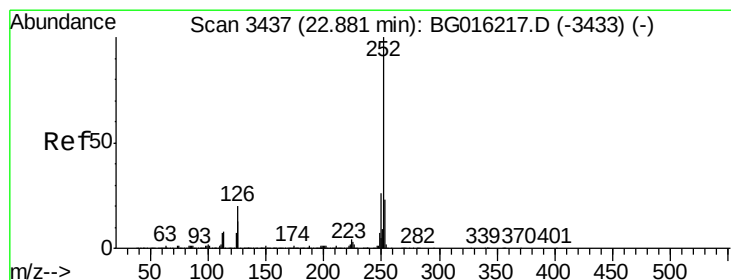
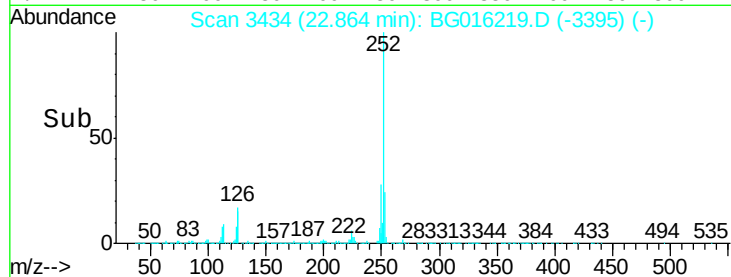
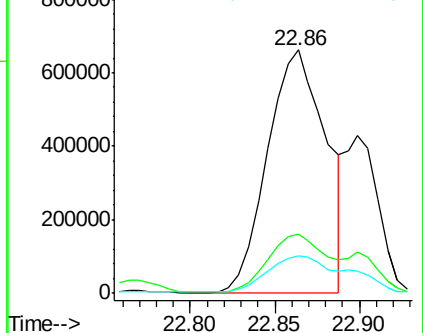
125 15.4 10.6 15.8



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



#86

Benzo(k)fluoranthene

Concen: 16.89 ng/ul

RT: 22.86 min Scan# 3434

Delta R.T. -0.02 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

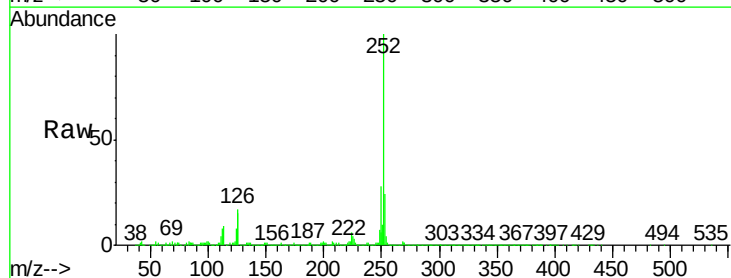
Tgt Ion:252 Resp: 362996

Ion Ratio Lower Upper

252 100

253 24.4 18.6 28.0

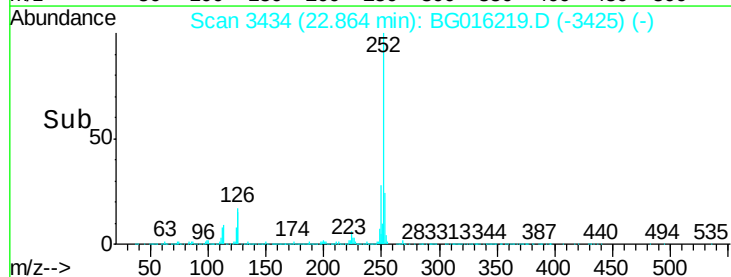
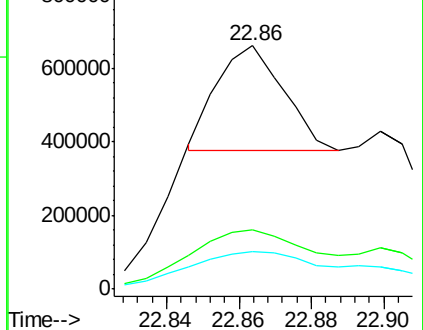
125 15.4 11.8 17.6

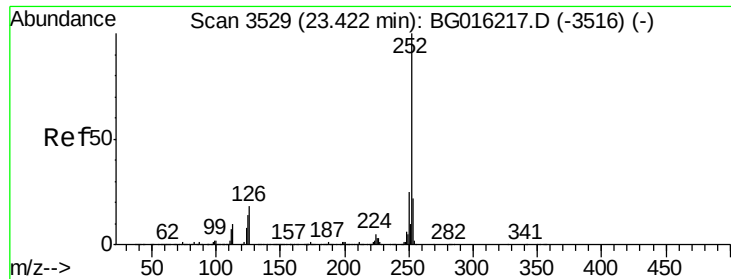


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 57.64 ng/ul

RT: 23.45 min Scan# 3533

Delta R.T. 0.02 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

ClientSampleId :

C0AC8

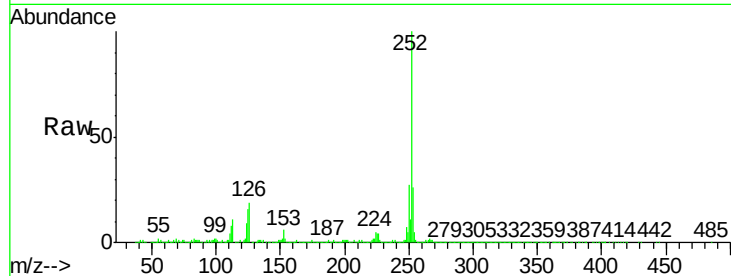
Tgt Ion:252 Resp: 1225865

Ion Ratio Lower Upper

252 100

253 25.6 17.7 26.5

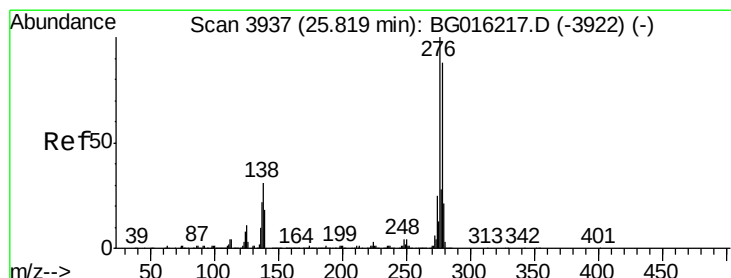
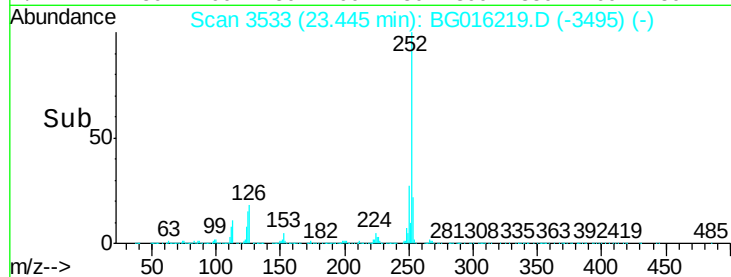
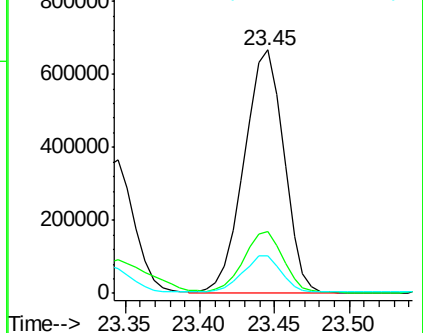
125 15.6 12.1 18.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 30.90 ng/ul

RT: 25.85 min Scan# 3943

Delta R.T. 0.04 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

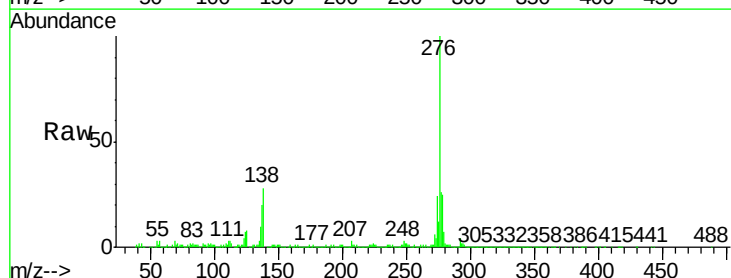
Tgt Ion:276 Resp: 768400

Ion Ratio Lower Upper

276 100

138 27.7 27.0 40.6

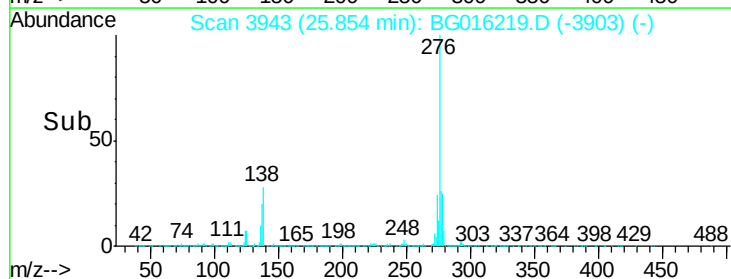
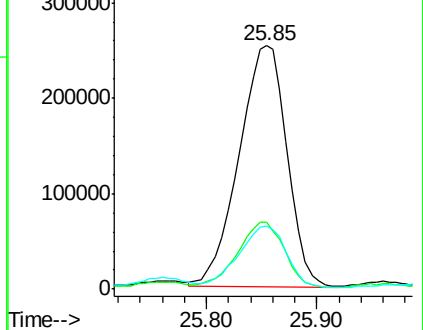
277 25.9 21.8 32.6

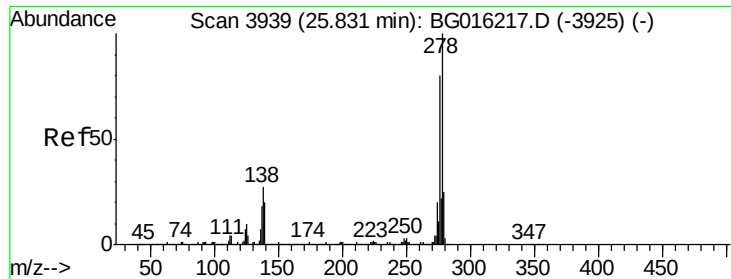


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 9.49 ng/ul

RT: 25.85 min Scan# 3943

Delta R.T. 0.02 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

ClientSampleId :

C0AC8

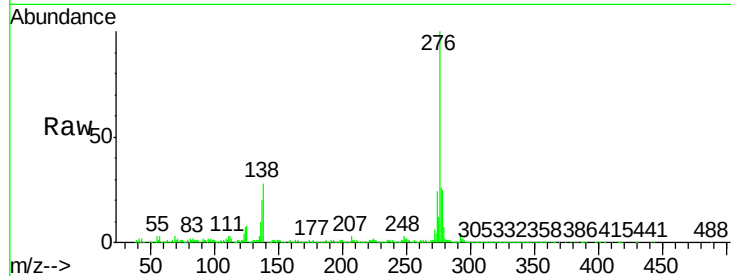
Tgt Ion:278 Resp: 196438

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

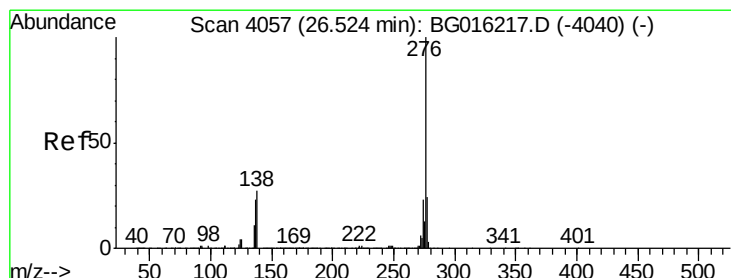
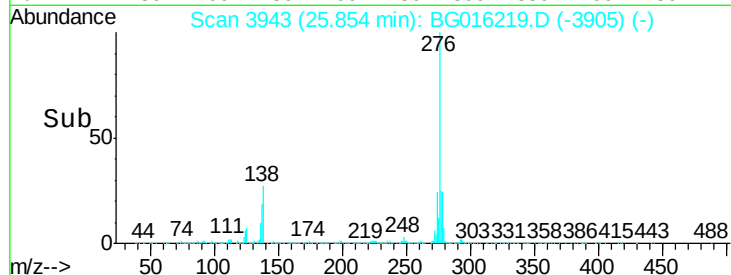
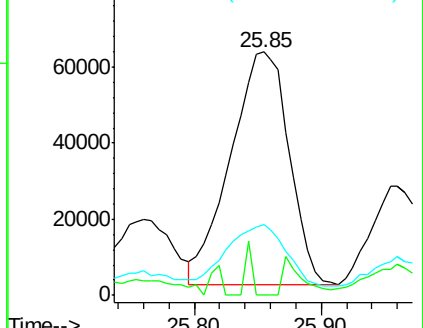
279 28.8 19.3 28.9



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



#91

Benzo(g,h,i)perylene

Concen: 29.29 ng/ul

RT: 26.56 min Scan# 4063

Delta R.T. 0.04 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

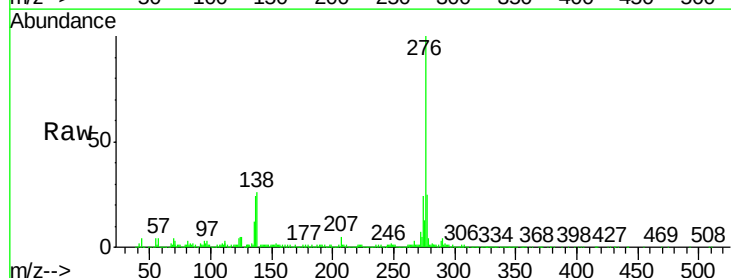
Tgt Ion:276 Resp: 595389

Ion Ratio Lower Upper

276 100

138 26.5 21.0 31.6

277 25.2 19.2 28.8



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

