

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
 Data File : BG017779.D
 Acq On : 6 Jul 2015 21:19
 Operator : TP/UM
 Sample : G2860-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 07 02:27:11 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 07 01:50:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	117769	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	548663	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	352513	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	714623	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	750088	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	769270	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	5191	1.74	ng/uL	0.00
5) Phenol-d5	6.78	99	127879	12.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	74189	12.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	105031	12.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	104015	12.79	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	52954	12.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	57201	13.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	100277	12.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	112678	10.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	277461	11.89	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	369764	11.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	52861	11.29	ng/ul	0.00
57) Fluorene-d10	15.25	176	277065	11.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	28287	8.54	ng/ul	0.00
70) Anthracene-d10	17.11	188	381748	11.72	ng/ul	0.00
78) Pyrene-d10	19.41	212	408757	11.47	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	373510	11.03	ng/ul	0.00

Target Compounds

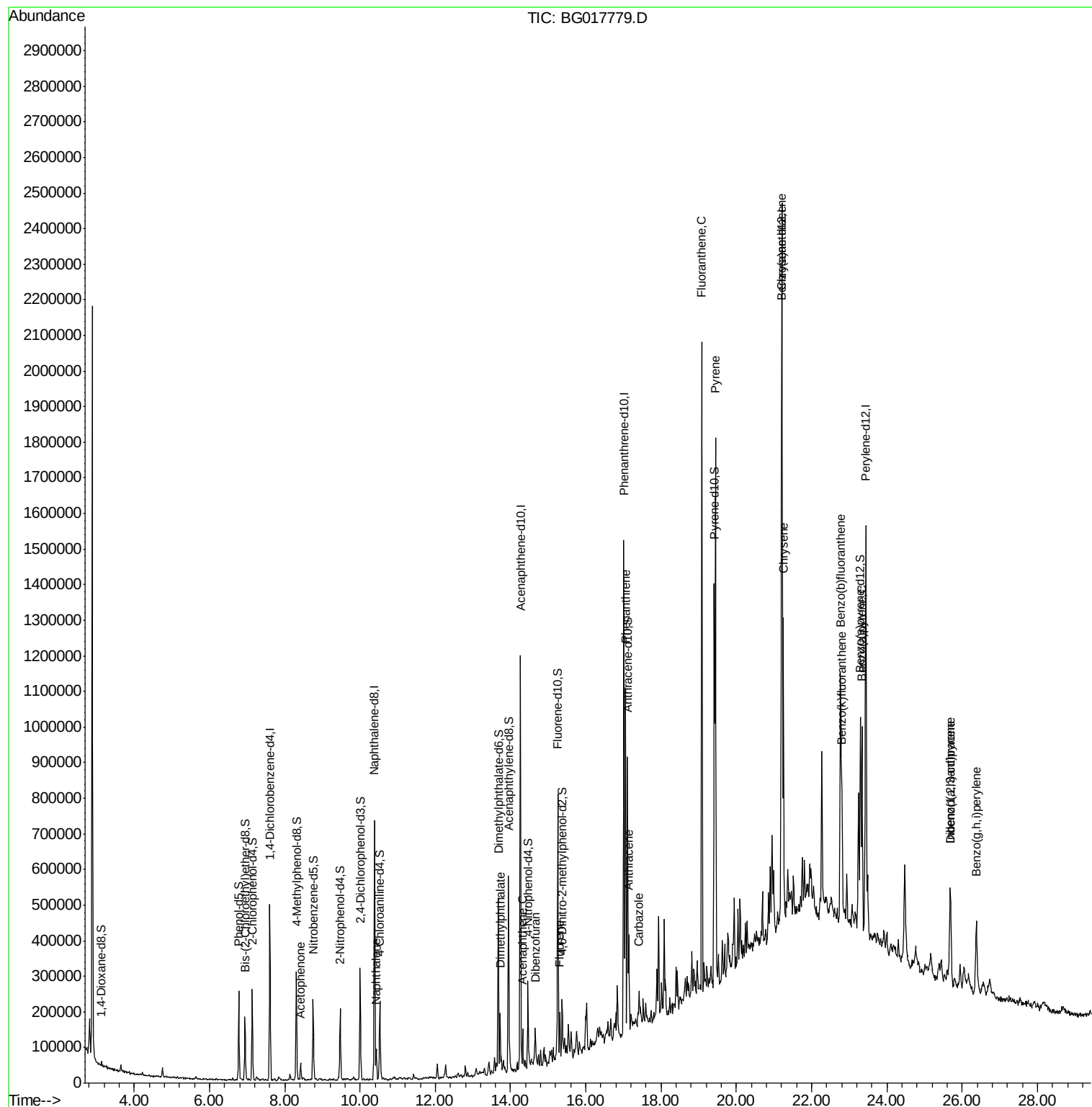
						Qvalue
14) Acetophenone	8.42	105	22466	1.87	ng/ul	98
28) Naphthalene	10.43	128	63404	2.23	ng/ul	96
44) Dimethylphthalate	13.72	163	90285	3.48	ng/ul	98
49) Acenaphthene	14.32	153	40813	1.76	ng/ul	91
53) Dibenzofuran	14.66	168	37669	1.21	ng/ul	99
58) Fluorene	15.31	166	43633	1.57	ng/ul	94
69) Phenanthrene	17.05	178	510589	13.07	ng/ul	97
71) Anthracene	17.14	178	156602	3.90	ng/ul	98
74) Carbazole	17.41	167	43072	1.29	ng/ul	98
76) Fluoranthene	19.08	202	954504	25.36	ng/ul	98
79) Pyrene	19.44	202	851348	18.60	ng/ul	99
82) Benzo(a)anthracene	21.19	228	422920	10.23	ng/ul	98
84) Chrysene	21.25	228	390199	9.97	ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	496767	11.30	ng/ul	95
88) Benzo(k)fluoranthene	22.80	252	199035m	4.80	ng/ul	
90) Benzo(a)pyrene	23.34	252	358208	8.57	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.68	276	237976	5.22	ng/ul	97
92) Dibenzo(a,h)anthracene	25.69	278	64775	1.68	ng/ul#	94
93) Benzo(g,h,i)perylene	26.37	276	224490	5.88	ng/ul	96

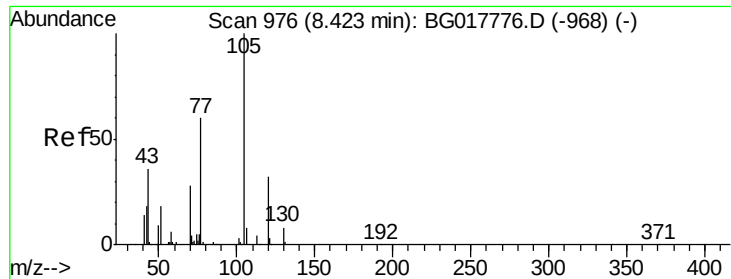
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017779.D
Acq On : 6 Jul 2015 21:19
Operator : TP/UM
Sample : G2860-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jul 07 02:27:11 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 01:50:10 2015
Response via : Initial Calibration

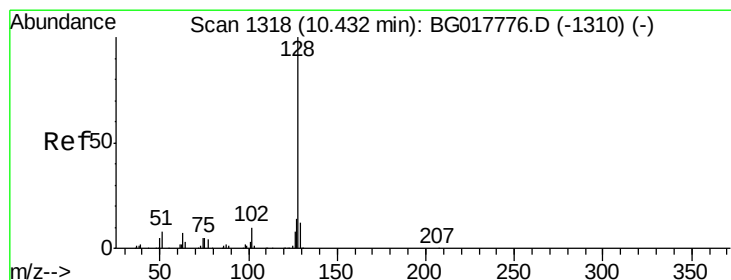
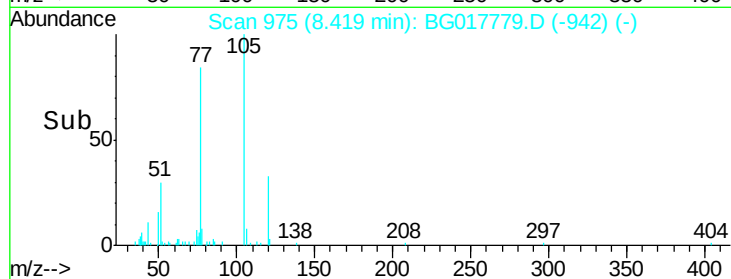
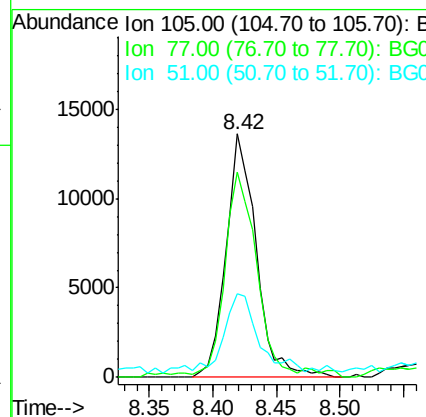
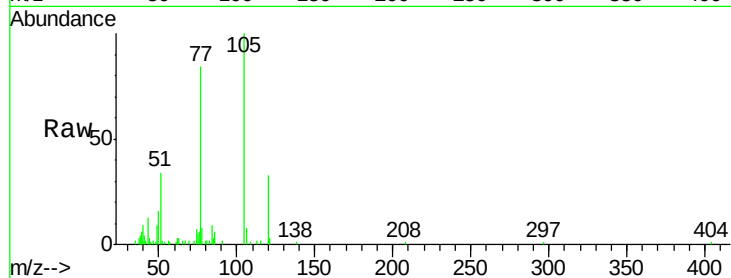




#14
Acetophenone
Concen: 1.87 ng/ul
RT: 8.42 min Scan# 975
Delta R.T. -0.00 min
Lab File: BG017779.D
Acq: 6 Jul 2015 21:19

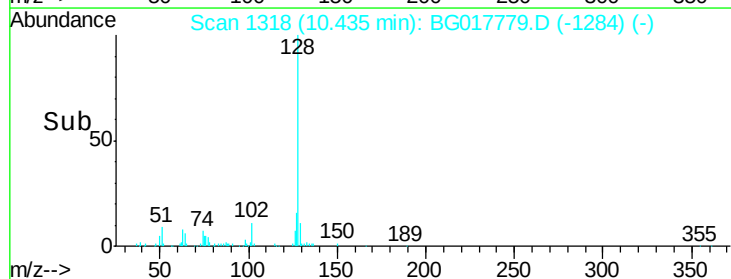
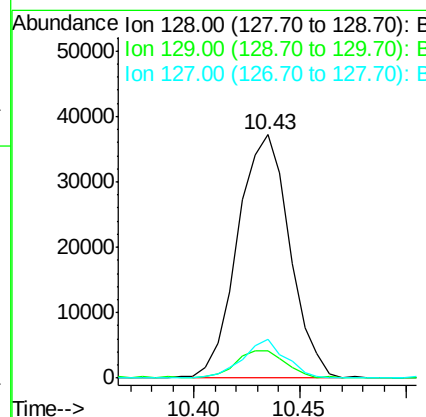
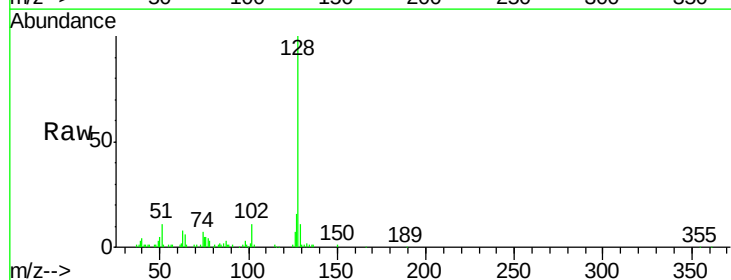
Instrument :
BNA_G
ClientSampleId :

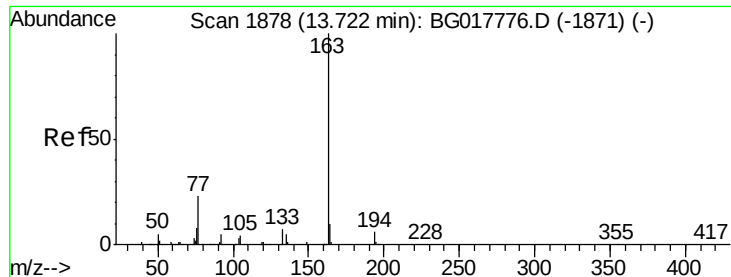
Tgt Ion:105 Resp: 22466
Ion Ratio Lower Upper
105 100
77 84.3 69.5 104.3
51 34.3 26.7 40.1



#28
Naphthalene
Concen: 2.23 ng/ul
RT: 10.43 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG017779.D
Acq: 6 Jul 2015 21:19

Tgt Ion:128 Resp: 63404
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 16.0 11.0 16.6





#44

Dimethylphthalate

Concen: 3.48 ng/ul

RT: 13.72 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

Instrument :

BNA_G

ClientSampleId :

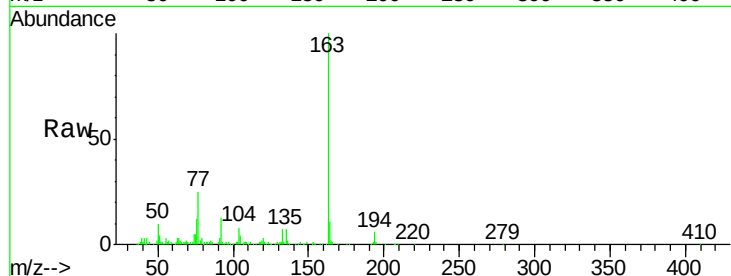
Tgt Ion:163 Resp: 90285

Ion Ratio Lower Upper

163 100

194 6.5 5.4 8.0

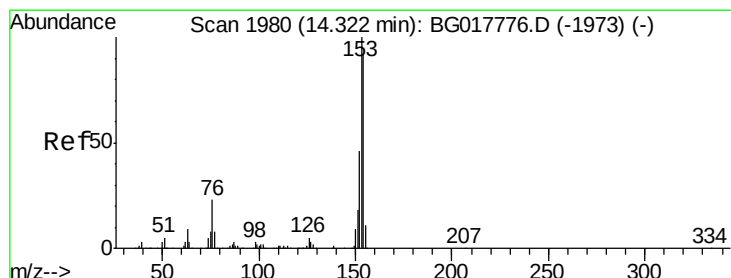
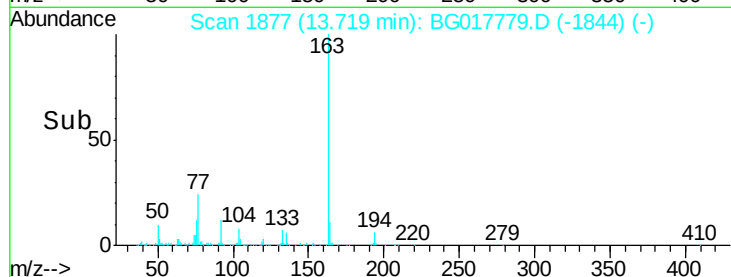
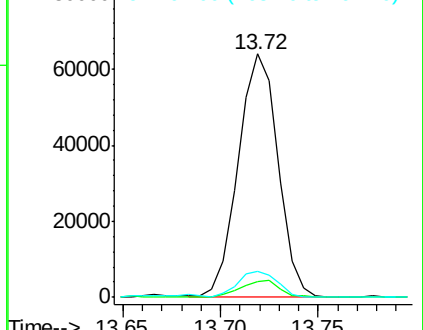
164 10.5 7.7 11.5



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



#49

Acenaphthene

Concen: 1.76 ng/ul

RT: 14.32 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

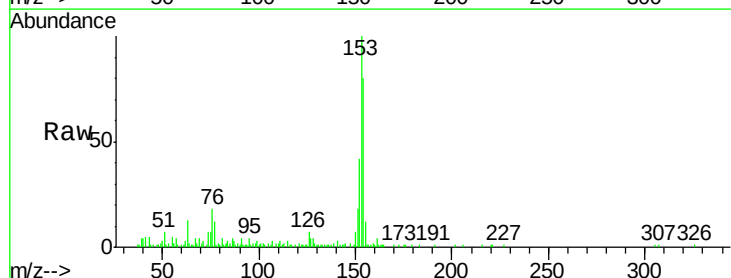
Tgt Ion:153 Resp: 40813

Ion Ratio Lower Upper

153 100

152 42.3 37.8 56.6

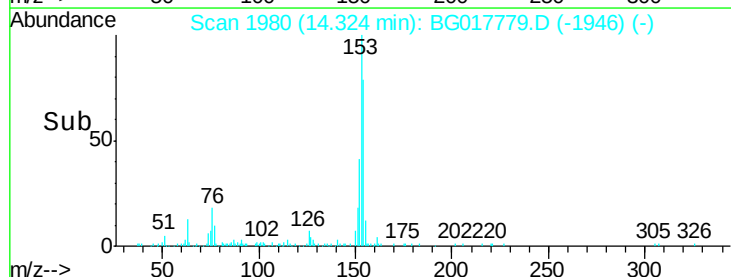
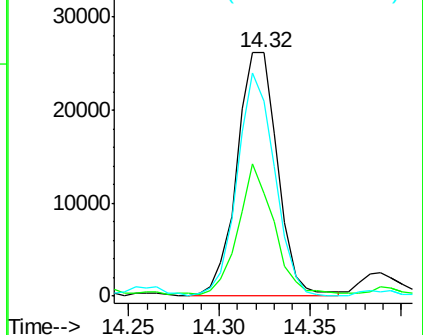
154 79.9 71.2 106.8

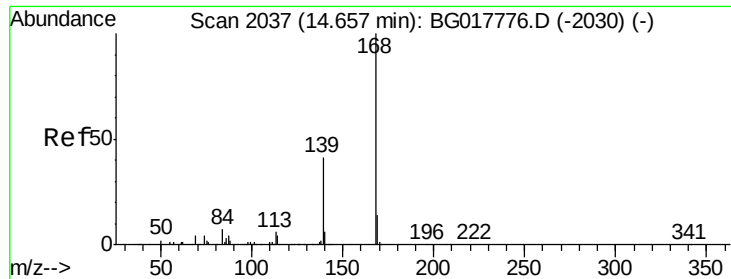


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzo(f,h)quinoxaline

Concen: 1.21 ng/ul

RT: 14.66 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

Instrument :

BNA_G

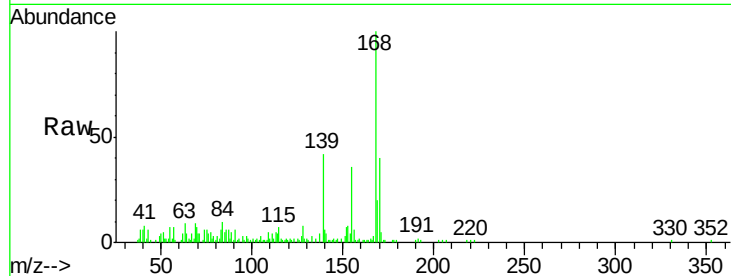
ClientSampleId :

Tgt Ion:168 Resp: 37669

Ion Ratio Lower Upper

168 100

139 41.5 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.66

25000

20000

15000

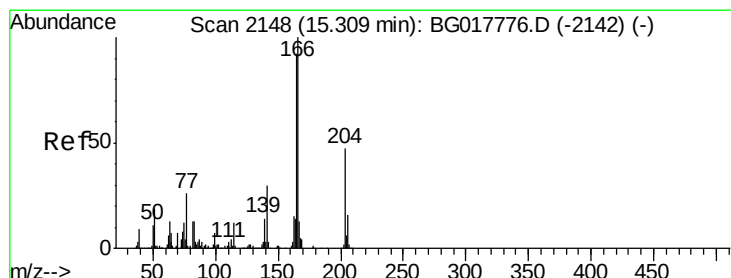
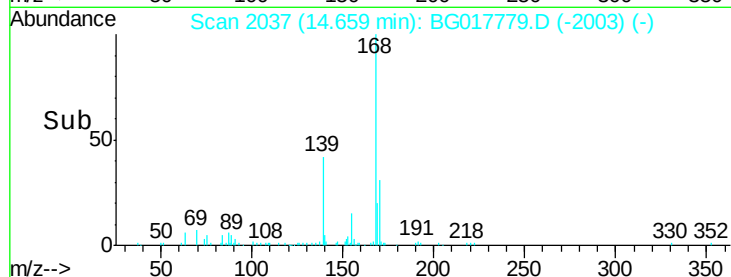
10000

5000

0

14.60 14.65 14.70

Time-->



#58

Fluorene

Concen: 1.57 ng/ul

RT: 15.31 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

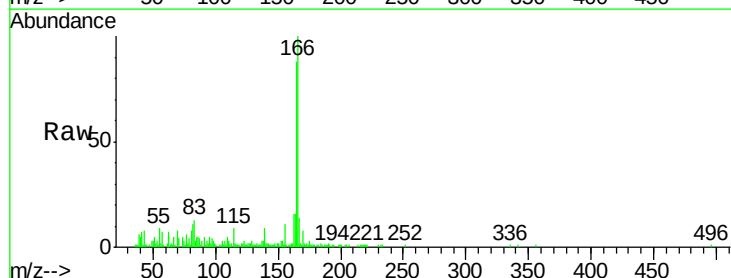
Tgt Ion:166 Resp: 43633

Ion Ratio Lower Upper

166 100

165 88.5 75.7 113.5

167 13.5 10.1 15.1



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

15.31

40000

30000

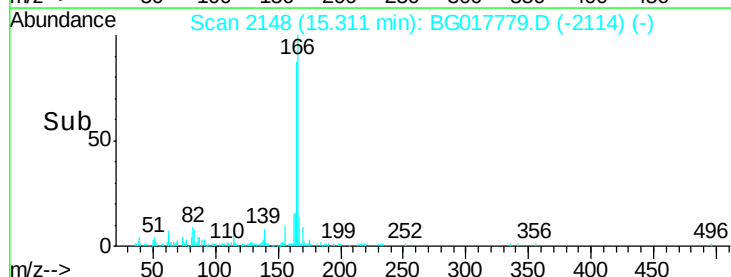
20000

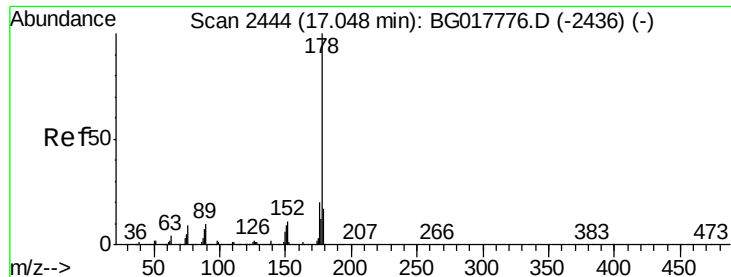
10000

0

15.25 15.30 15.35

Time-->





#69

Phenanthrene

Concen: 13.07 ng/ul

RT: 17.05 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

Instrument :

BNA_G

ClientSampled :

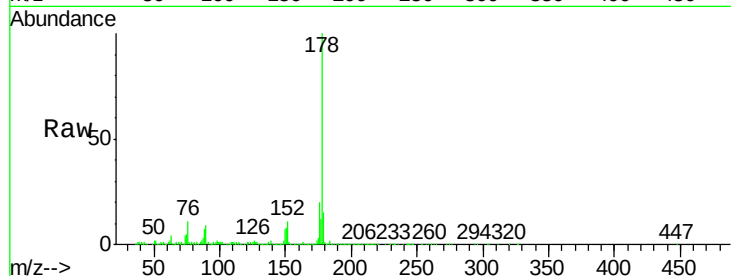
Tgt Ion:178 Resp: 510589

Ion Ratio Lower Upper

178 100

179 15.0 13.0 19.4

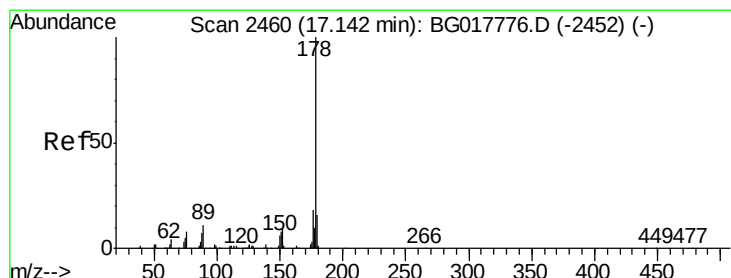
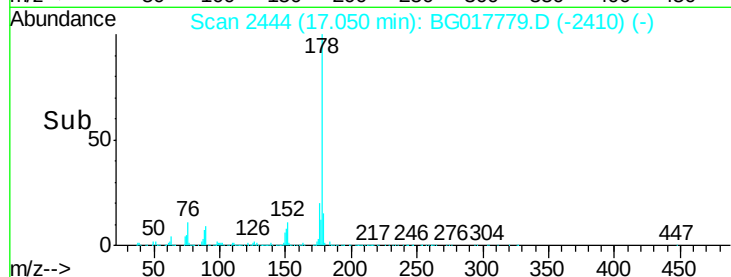
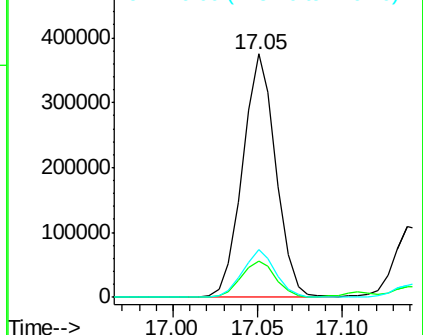
176 19.6 17.0 25.4



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: 3.90 ng/ul

RT: 17.14 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

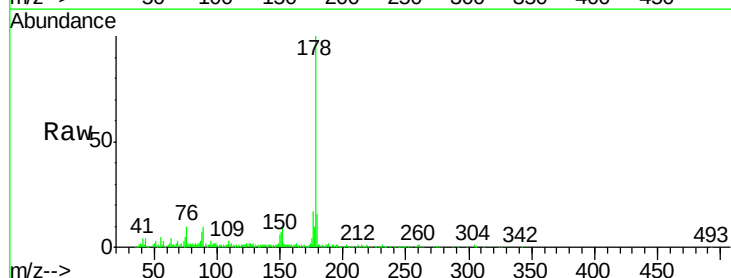
Tgt Ion:178 Resp: 156602

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

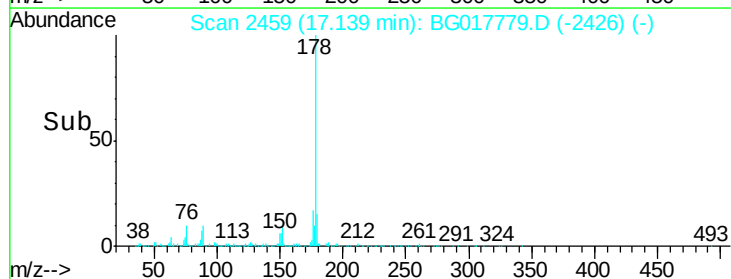
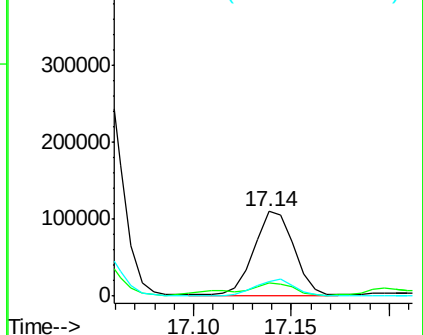
176 17.2 15.3 22.9

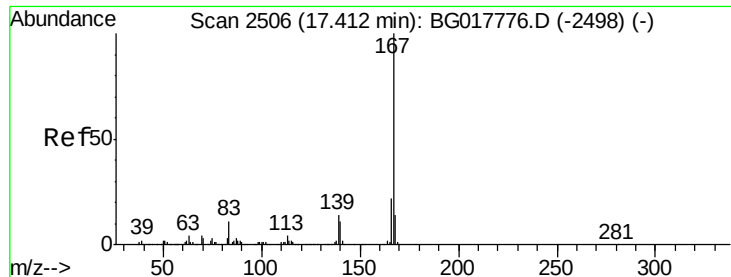


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.29 ng/ul

RT: 17.41 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

Instrument :

BNA_G

ClientSampleId :

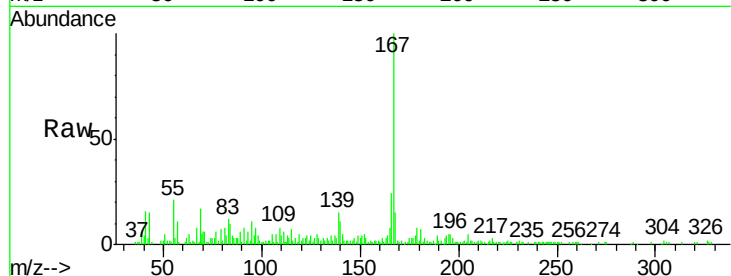
Tgt Ion:167 Resp: 43072

Ion Ratio Lower Upper

167 100

166 24.2 18.0 27.0

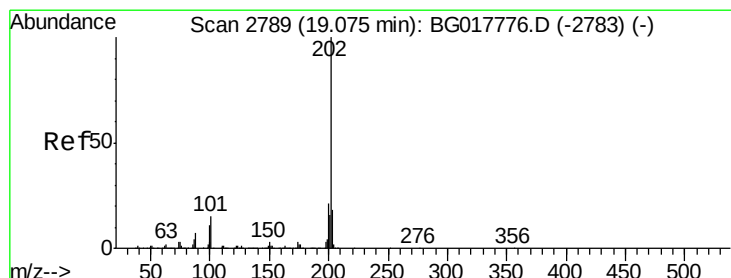
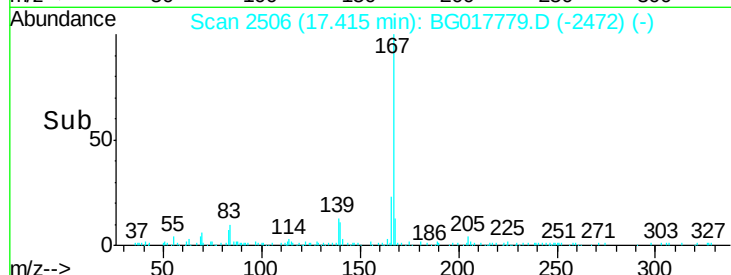
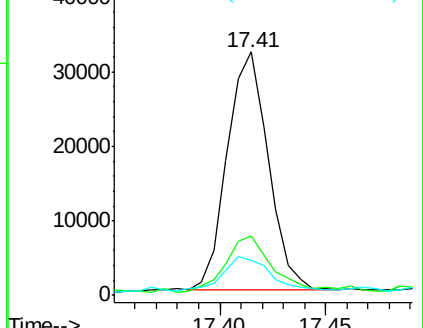
139 14.6 11.4 17.0



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



#76

Fluoranthene

Concen: 25.36 ng/ul

RT: 19.08 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

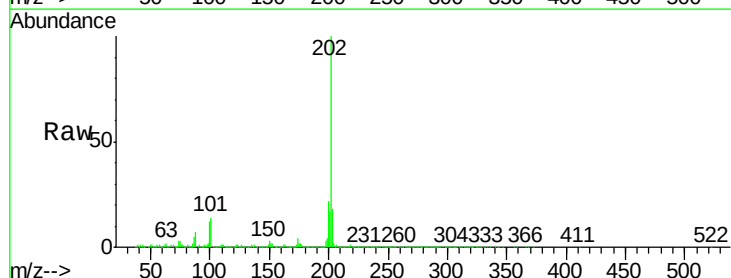
Tgt Ion:202 Resp: 954504

Ion Ratio Lower Upper

202 100

101 14.2 12.6 18.8

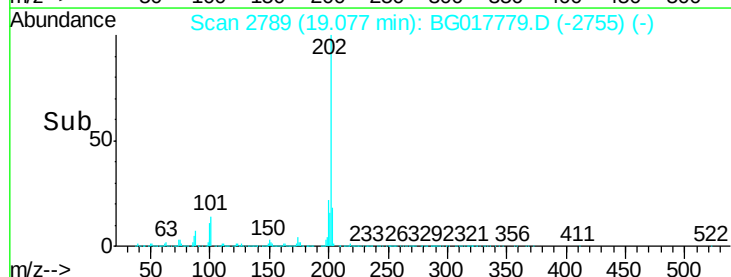
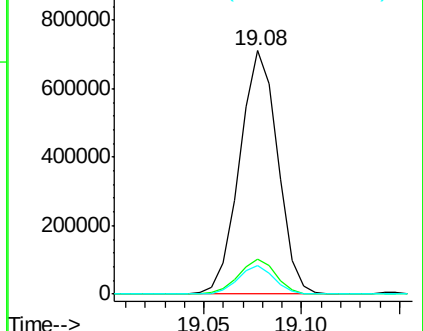
100 11.6 9.1 13.7

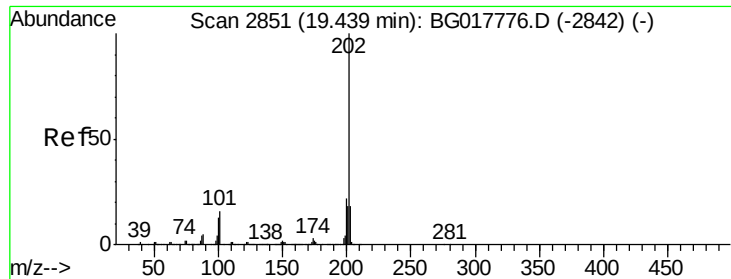


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pyrene

Concen: 18.60 ng/ul

RT: 19.44 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

Instrument :

BNA_G

ClientSampleId :

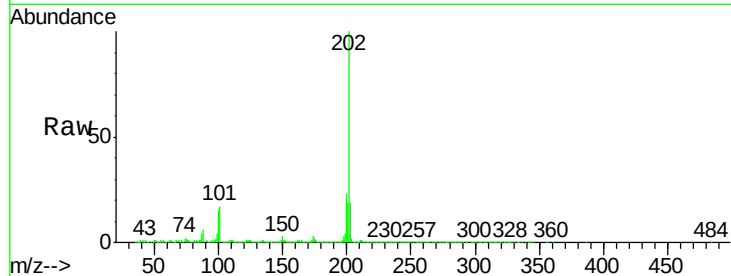
Tgt Ion:202 Resp: 851348

Ion Ratio Lower Upper

202 100

101 16.7 13.1 19.7

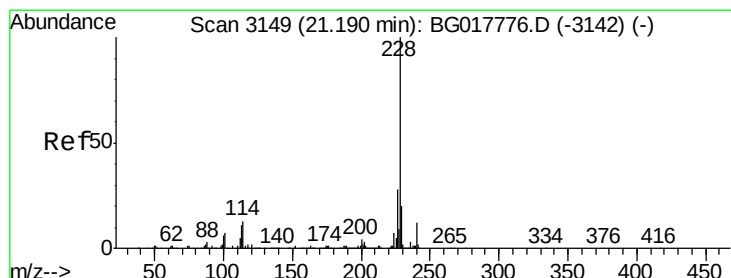
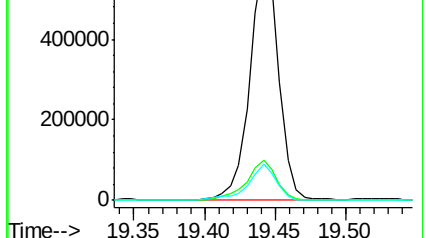
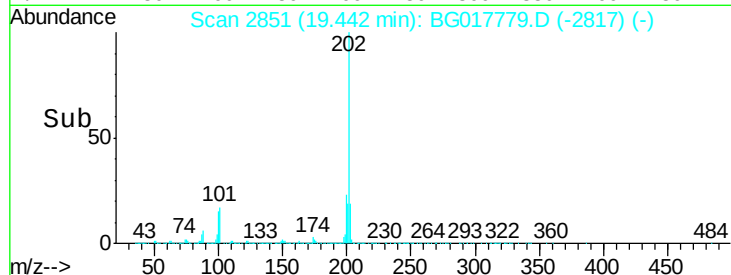
100 14.7 11.3 16.9



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): E



#82

Benzo(a)anthracene

Concen: 10.23 ng/ul

RT: 21.19 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

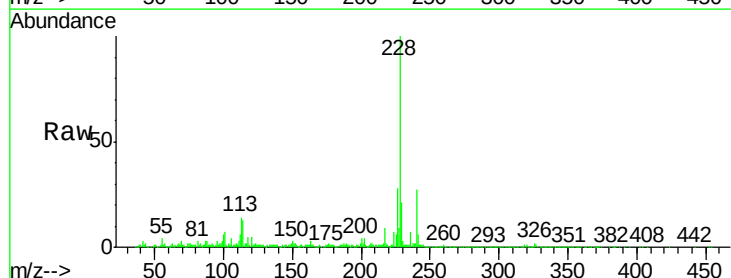
Tgt Ion:228 Resp: 422920

Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.8

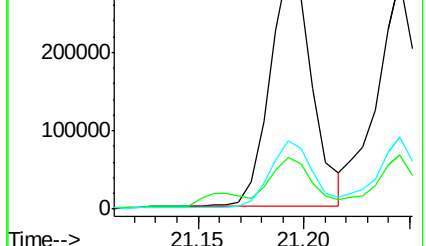
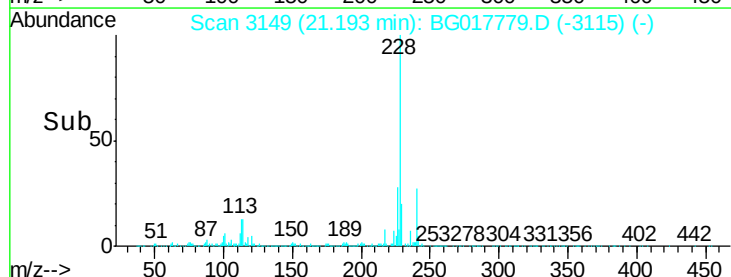
226 28.0 22.2 33.2

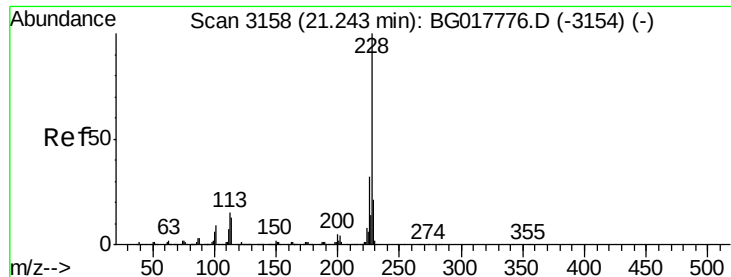


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 9.97 ng/ul

RT: 21.25 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

Instrument :

BNA_G

ClientSampleId :

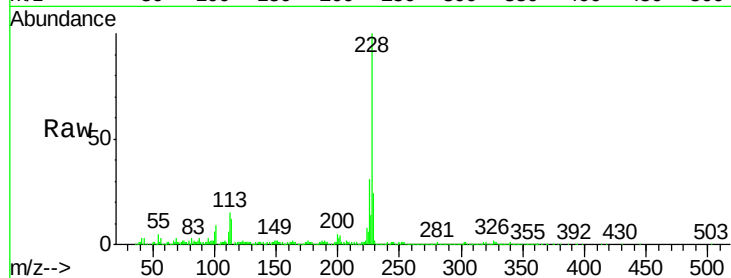
Tgt Ion:228 Resp: 390199

Ion Ratio Lower Upper

228 100

226 31.4 25.6 38.4

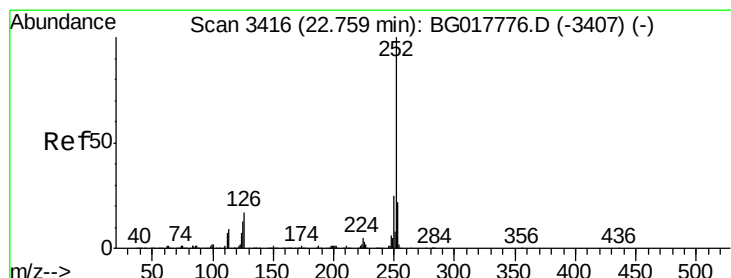
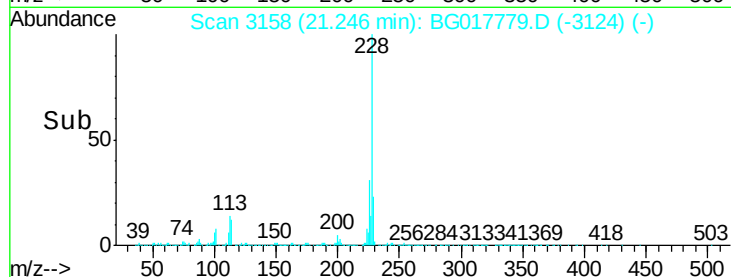
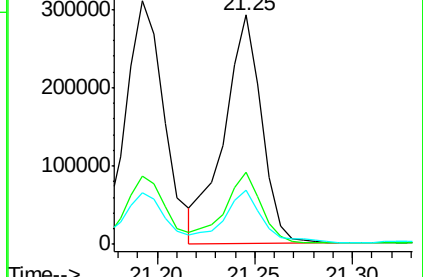
229 23.8 16.4 24.6



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



#87

Benzo(b)fluoranthene

Concen: 11.30 ng/ul

RT: 22.77 min Scan# 3417

Delta R.T. 0.01 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

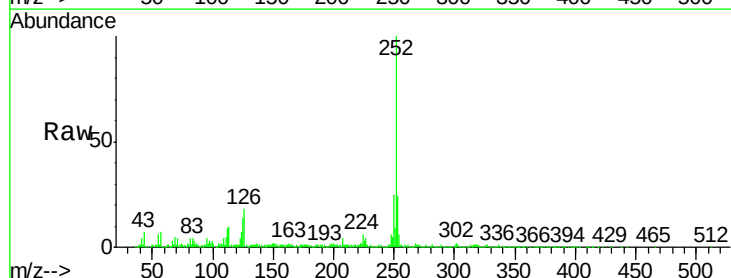
Tgt Ion:252 Resp: 496767

Ion Ratio Lower Upper

252 100

253 23.6 16.8 25.2

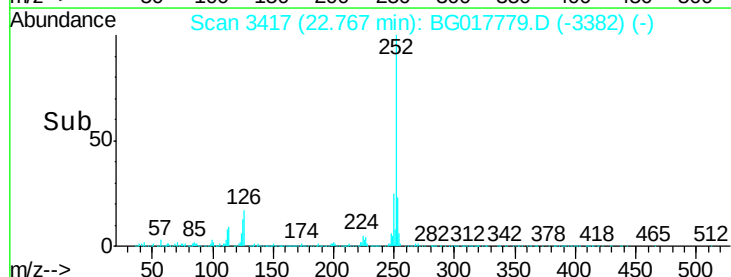
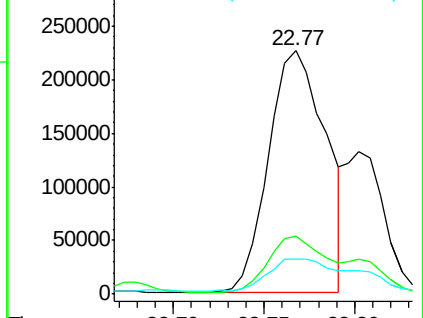
125 14.4 10.4 15.6

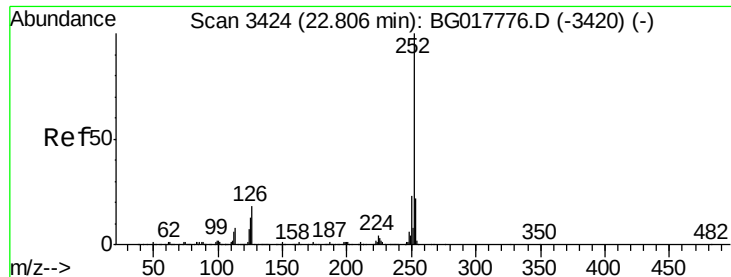


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.80 ng/ul m

RT: 22.80 min Scan# 3423

Delta R.T. -0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

Instrument :

BNA_G

ClientSampleId :

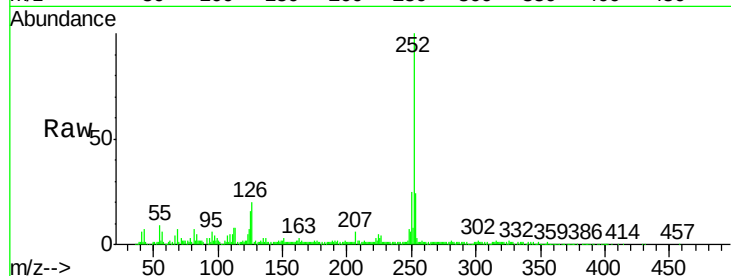
Tgt Ion:252 Resp: 199035

Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

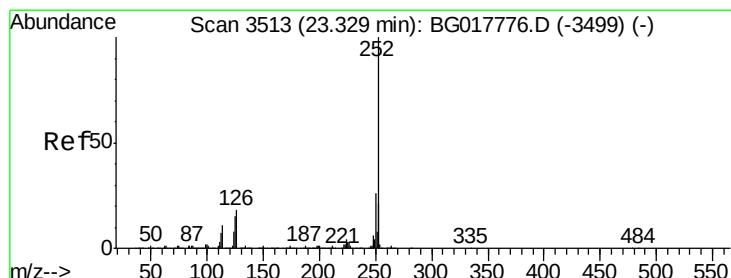
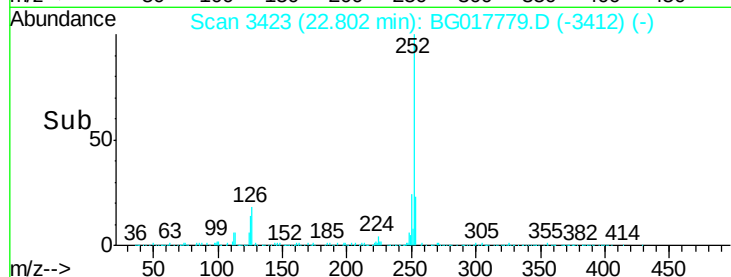
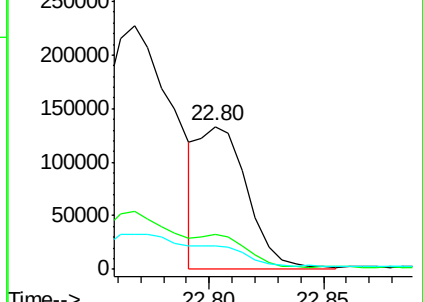
125 16.3 11.6 17.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 8.57 ng/ul

RT: 23.34 min Scan# 3514

Delta R.T. 0.01 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

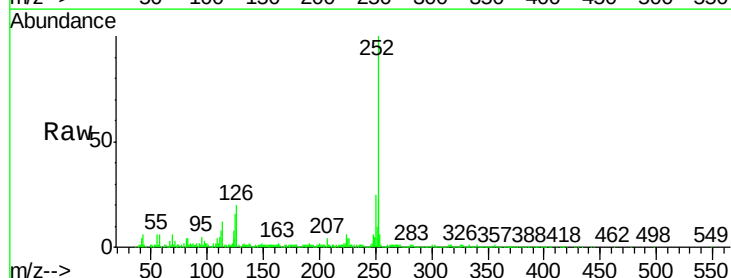
Tgt Ion:252 Resp: 358208

Ion Ratio Lower Upper

252 100

253 22.9 18.3 27.5

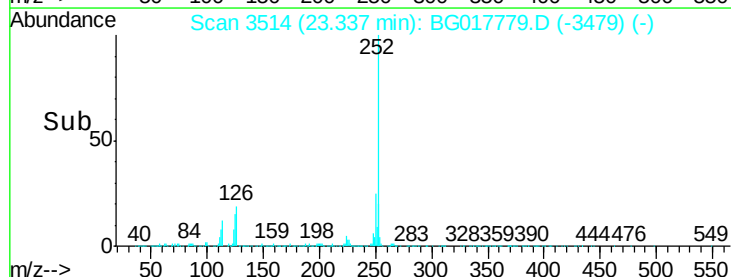
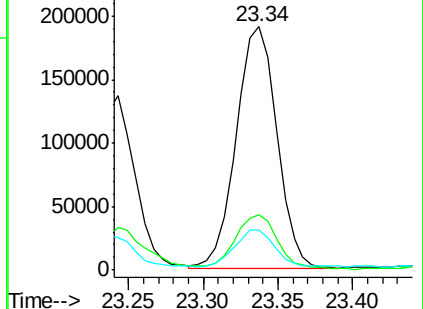
125 16.3 12.1 18.1

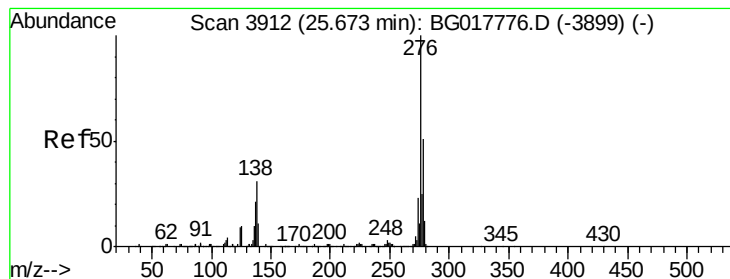


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 5.22 ng/ul

RT: 25.68 min Scan# 3913

Delta R.T. 0.01 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

Instrument :

BNA_G

ClientSampleId :

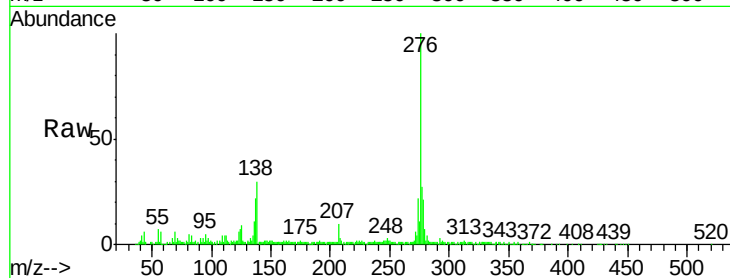
Tgt Ion:276 Resp: 237976

Ion Ratio Lower Upper

276 100

138 30.0 26.1 39.1

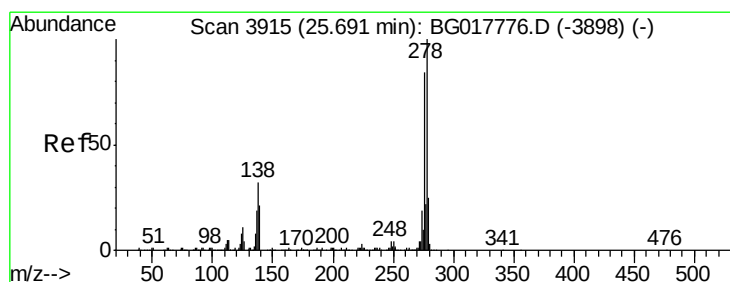
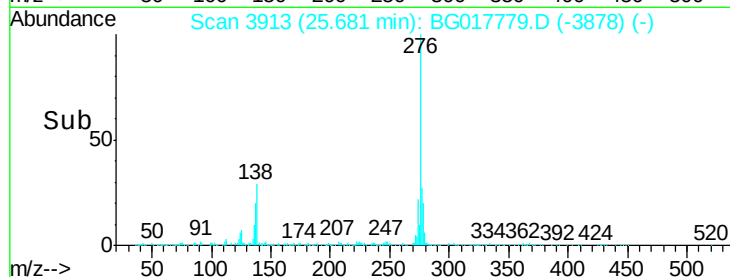
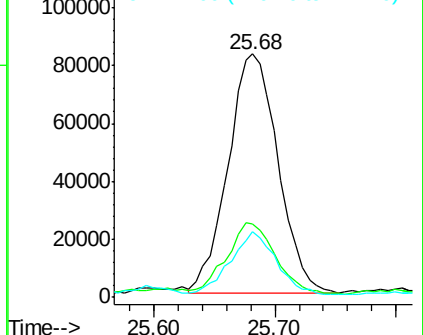
277 26.8 20.9 31.3



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



#92

Dibenzo(a,h)anthracene

Concen: 1.68 ng/ul

RT: 25.69 min Scan# 3914

Delta R.T. -0.00 min

Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

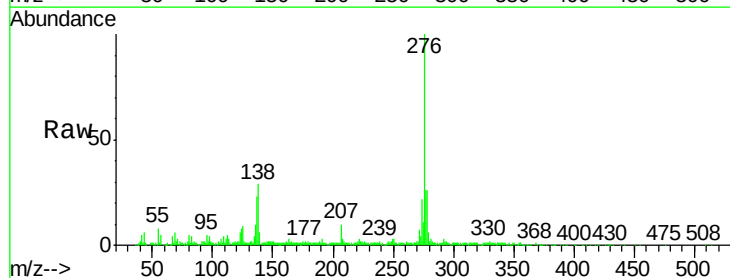
Tgt Ion:278 Resp: 64775

Ion Ratio Lower Upper

278 100

139 24.9 16.3 24.5#

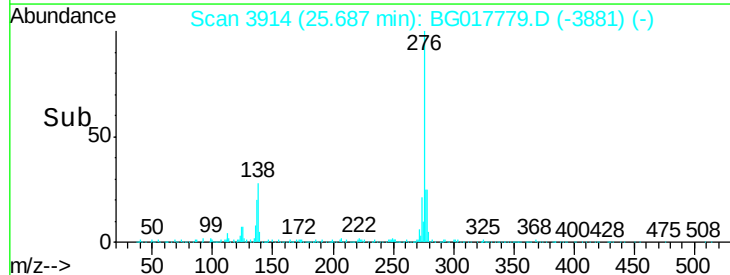
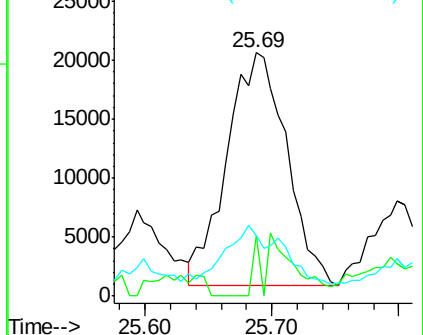
279 25.0 18.7 28.1

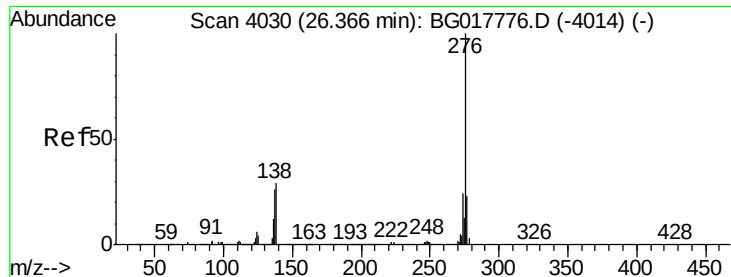


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 5.88 ng/ul

RT: 26.37 min Scan# 4030

Delta R.T. 0.00 min

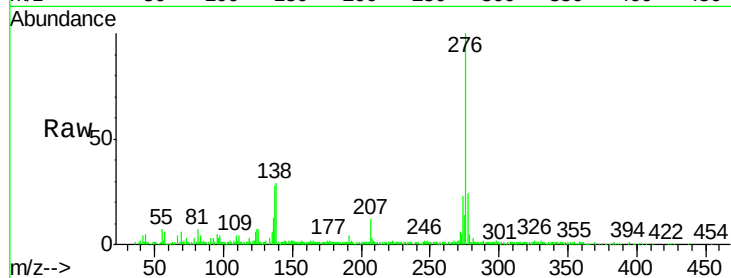
Lab File: BG017779.D

Acq: 6 Jul 2015 21:19

Instrument :

BNA_G

ClientSampleId :



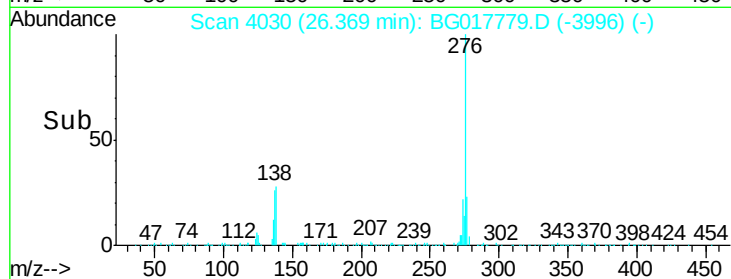
Tgt Ion: 276 Resp: 224490

Ion Ratio Lower Upper

276 100

138 28.6 25.1 37.7

277 24.2 18.7 28.1



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

