

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
 Data File : BG016218.D
 Acq On : 2 Apr 2015 10:03
 Operator : TP/IZ
 Sample : G1647-07 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC6

Quant Time: Apr 03 04:29:36 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	7.70	152	76180	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	330823	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	188456	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	362787	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	382850	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	381789	20.00	ng/ul	0.00

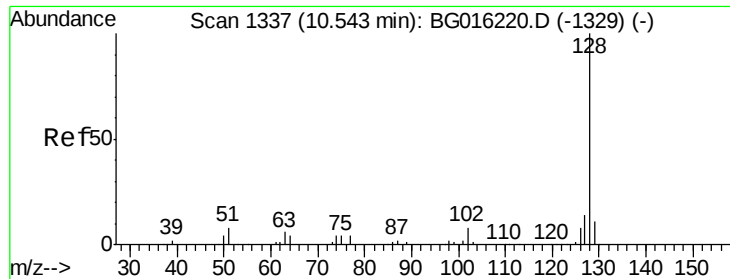
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.87	99	19385	2.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	11499	2.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	15807	2.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	15935	2.93	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	9037	3.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	9125	2.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	13395	2.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	9653	1.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	41983	3.37	ng/ul	0.00
46) Acenaphthylene-d8	14.04	160	54351	3.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	6586	2.10	ng/ul	0.00
57) Fluorene-d10	15.33	176	38596	3.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	3176	1.28	ng/ul	0.00
70) Anthracene-d10	17.18	188	53031	3.18	ng/ul	0.00
76) Pyrene-d10	19.48	212	53206	3.06	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.37	264	51654	3.00	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.54	128	119768	6.73	ng/ul	97
34) 2-Methylnaphthalene	12.15	142	76064	6.04	ng/ul	96
40) 1,1'-Biphenyl	13.17	154	24207	1.61	ng/ul	97
44) Dimethylphthalate	13.80	163	15377	1.10	ng/ul	99
49) Acenaphthene	14.41	153	142019	10.81	ng/ul	97
53) Dibenzofuran	14.74	168	162214	9.50	ng/ul	99
58) Fluorene	15.39	166	172284	11.52	ng/ul	100
69) Phenanthrene	17.13	178	1157655	56.21	ng/ul	97
71) Anthracene	17.22	178	375862	17.85	ng/ul	100
72) Carbazole	17.49	167	129458	6.37	ng/ul	99
74) Fluoranthene	19.15	202	1350632	59.00	ng/ul	97
77) Pyrene	19.51	202	1129678	47.54	ng/ul	97
80) Benzo(a)anthracene	21.25	228	573665	25.89	ng/ul	98
82) Chrysene	21.30	228	476589	23.15	ng/ul	98
85) Benzo(b)fluoranthene	22.84	252	595985	26.14	ng/ul	97
86) Benzo(k)fluoranthene	22.88	252	240339	10.94	ng/ul	98
88) Benzo(a)pyrene	23.42	252	466028	21.44	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.82	276	288735	11.36	ng/ul#	90
90) Dibenzo(a,h)anthracene	25.82	278	73223	3.46	ng/ul#	76
91) Benzo(g,h,i)perylene	26.52	276	228251	10.99	ng/ul	99

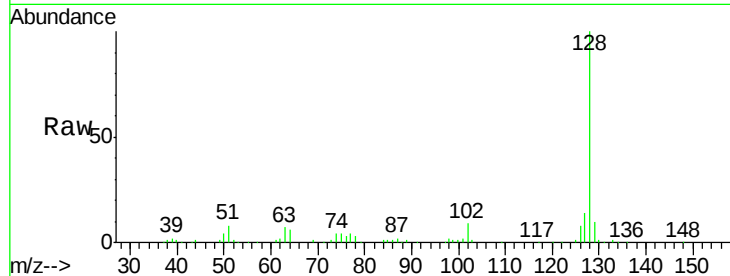
(#) = qualifier out of range (m) = manual integration (+) = signals summed



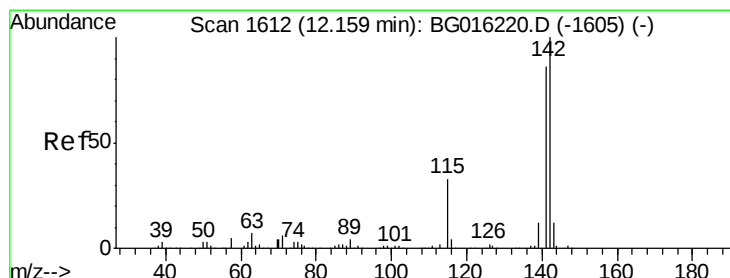
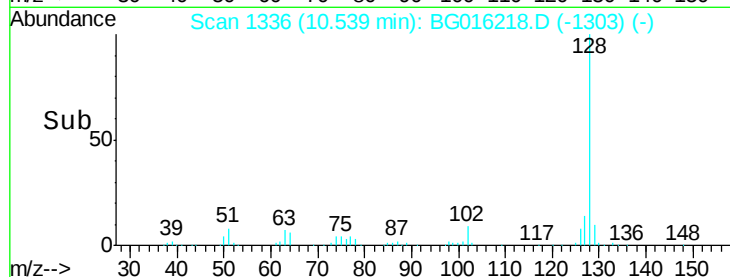
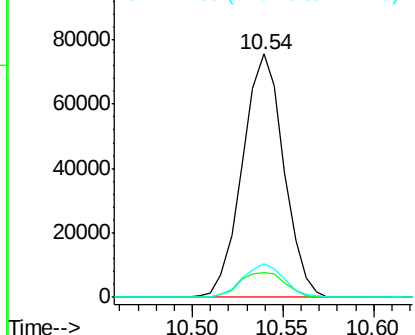
#28
Naphthalene
Concen: 6.73 ng/ul
RT: 10.54 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BG016218.D
Acq: 2 Apr 2015 10:03

Instrument :
BNA_G
ClientSampleId :
C0AC6

Tgt Ion:128 Resp: 119768
Ion Ratio Lower Upper
128 100
129 9.9 9.2 13.8
127 13.6 11.4 17.0

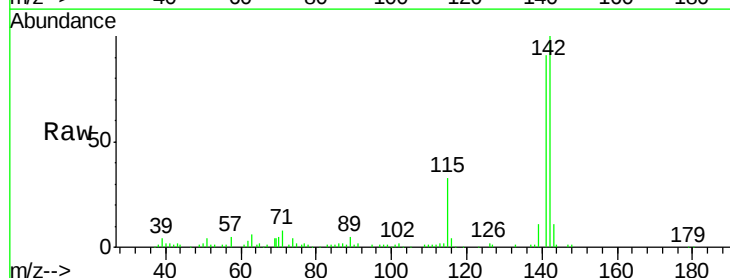


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

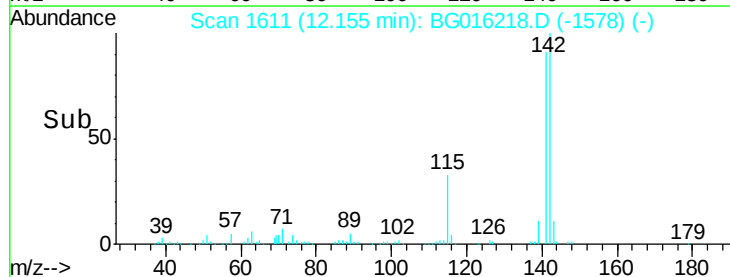
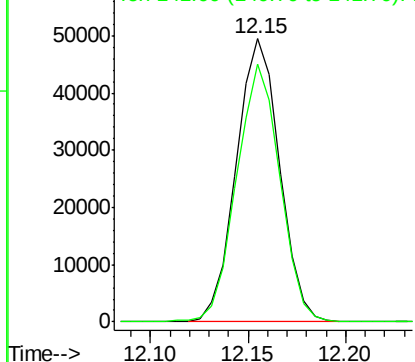


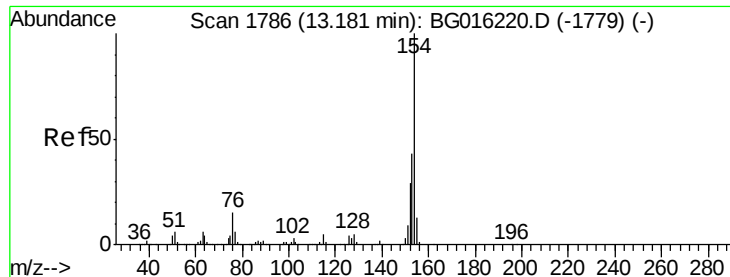
#34
2-Methylnaphthalene
Concen: 6.04 ng/ul
RT: 12.15 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BG016218.D
Acq: 2 Apr 2015 10:03

Tgt Ion:142 Resp: 76064
Ion Ratio Lower Upper
142 100
141 91.0 69.7 104.5



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

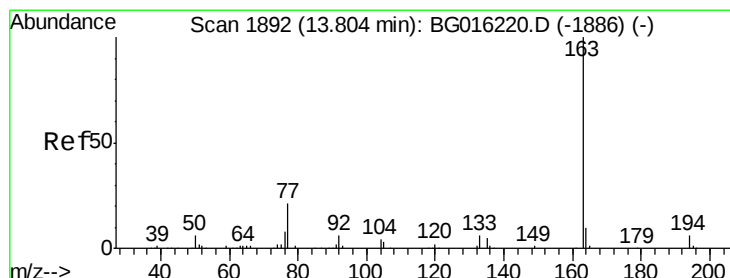
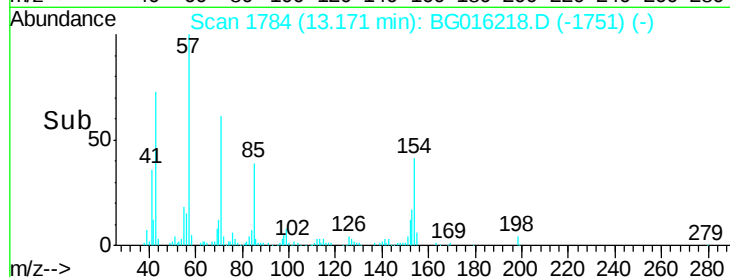
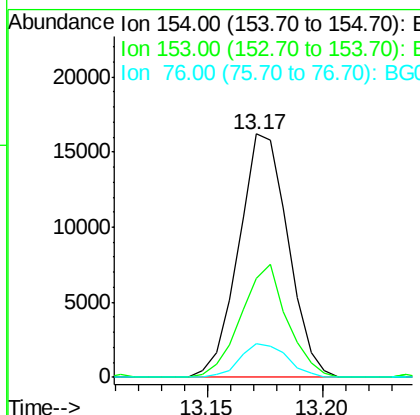
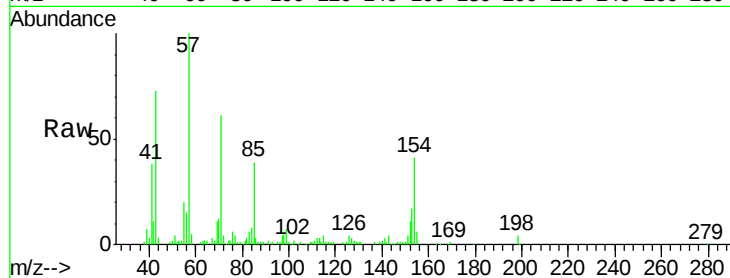




#40
 1,1'-Biphenyl
 Concen: 1.61 ng/ul
 RT: 13.17 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: BG016218.D
 Acq: 2 Apr 2015 10:03

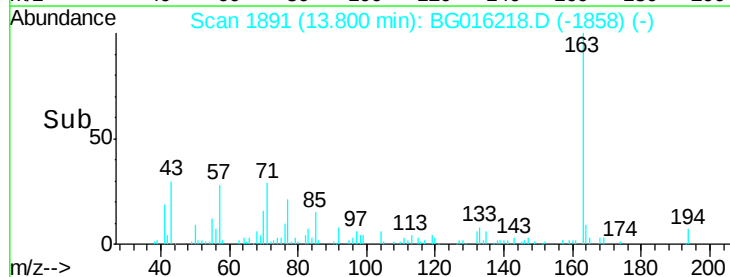
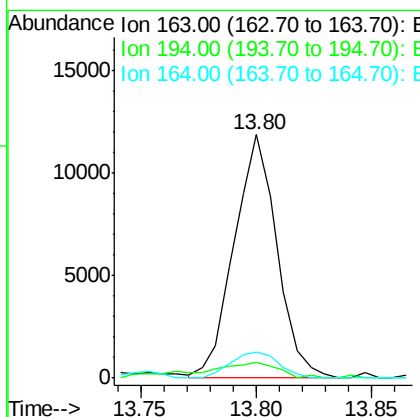
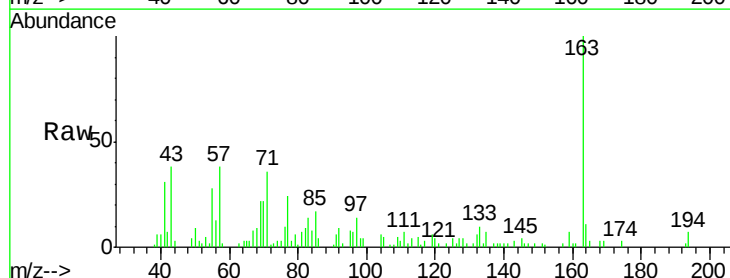
Instrument :
 BNA_G
 ClientSampleId :
 C0AC6

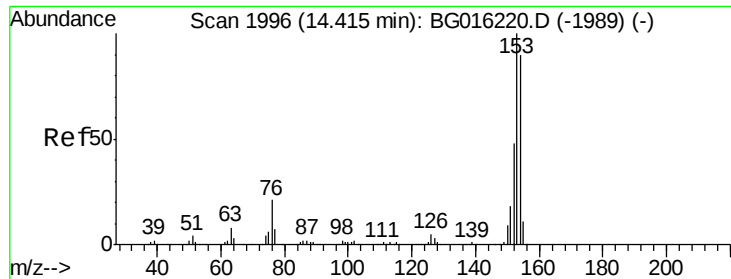
Tgt Ion:154 Resp: 24207
 Ion Ratio Lower Upper
 154 100
 153 40.9 34.5 51.7
 76 13.8 11.8 17.8



#44
 Dimethylphthalate
 Concen: 1.10 ng/ul
 RT: 13.80 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: BG016218.D
 Acq: 2 Apr 2015 10:03

Tgt Ion:163 Resp: 15377
 Ion Ratio Lower Upper
 163 100
 194 6.6 4.8 7.2
 164 10.6 8.2 12.2





#49

Acenaphthene

Concen: 10.81 ng/ul

RT: 14.41 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

Instrument :

BNA_G

ClientSampleId :

C0AC6

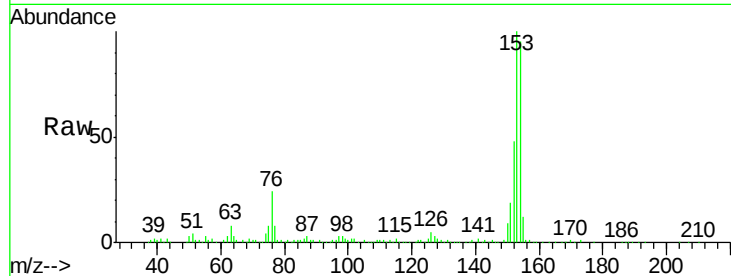
Tgt Ion:153 Resp: 142019

Ion Ratio Lower Upper

153 100

152 48.3 39.0 58.4

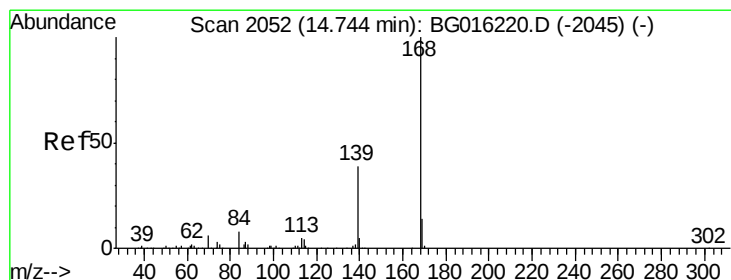
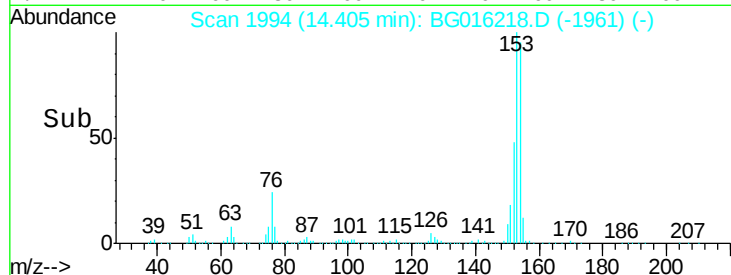
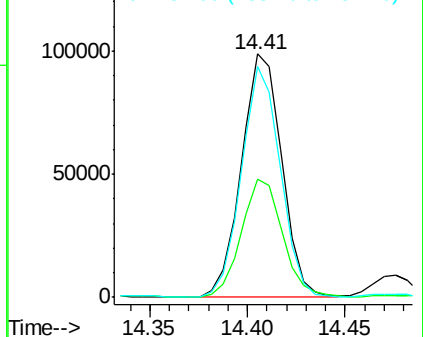
154 94.6 72.5 108.7



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

Dibenzofuran

Concen: 9.50 ng/ul

RT: 14.74 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BG016218.D

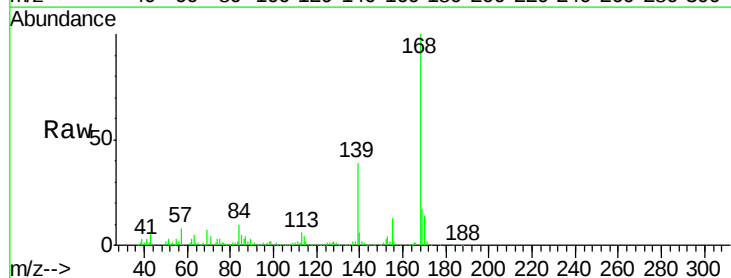
Acq: 2 Apr 2015 10:03

Tgt Ion:168 Resp: 162214

Ion Ratio Lower Upper

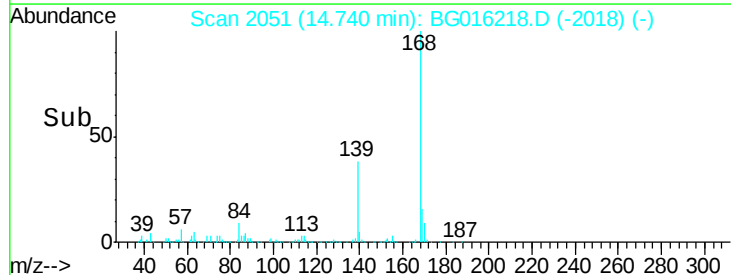
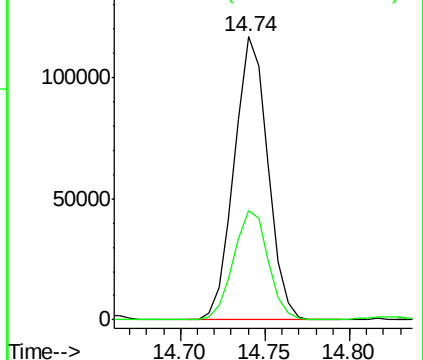
168 100

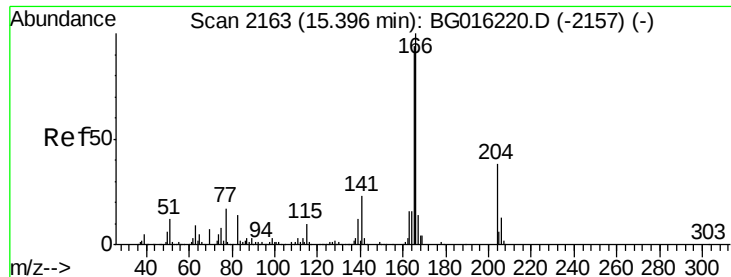
139 38.6 31.4 47.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 11.52 ng/ul

RT: 15.39 min Scan# 2162

Delta R.T. 0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

Instrument :

BNA_G

ClientSampleId :

C0AC6

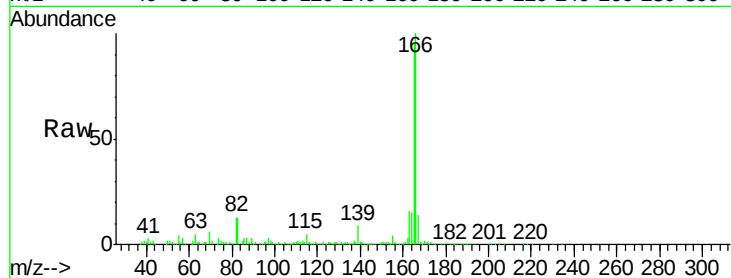
Tgt Ion:166 Resp: 172284

Ion Ratio Lower Upper

166 100

165 94.7 75.6 113.4

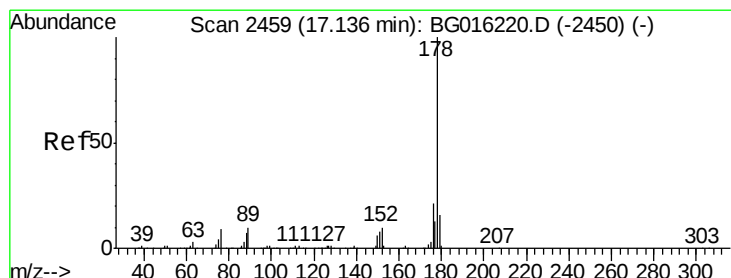
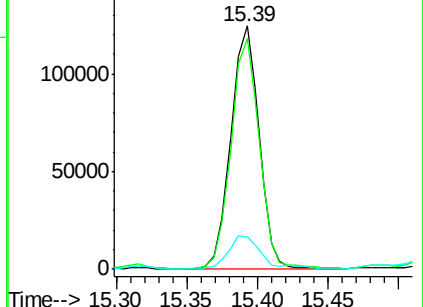
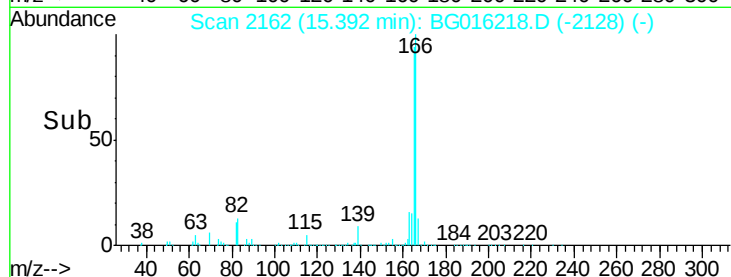
167 13.6 10.7 16.1



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



#69

Phenanthrene

Concen: 56.21 ng/ul

RT: 17.13 min Scan# 2458

Delta R.T. 0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

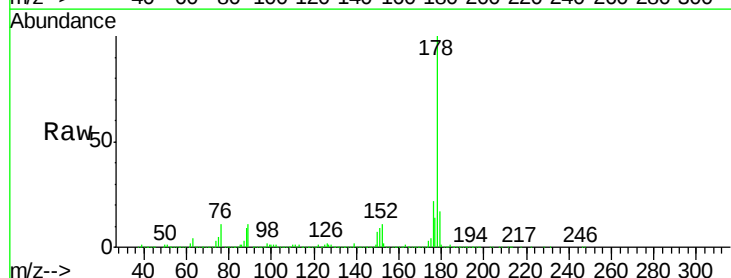
Tgt Ion:178 Resp: 1157655

Ion Ratio Lower Upper

178 100

179 17.3 12.6 19.0

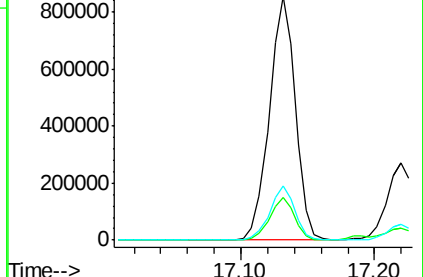
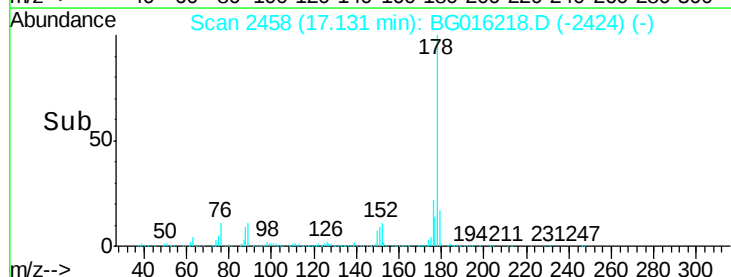
176 22.2 16.6 24.8

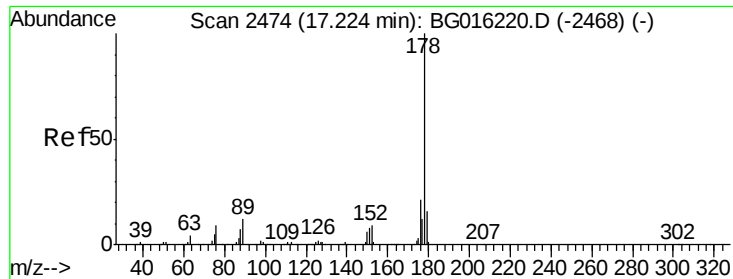


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

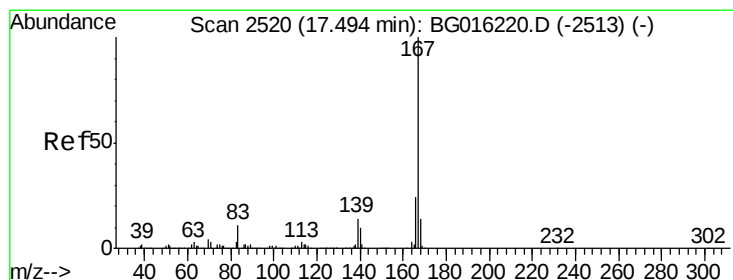
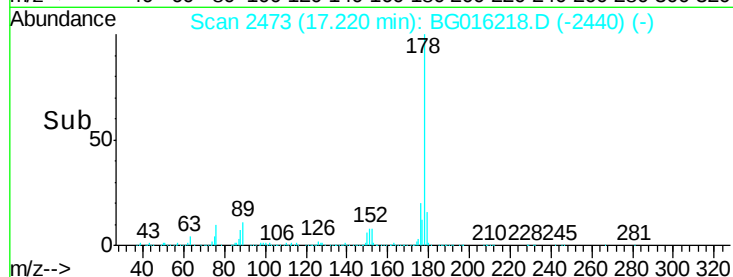
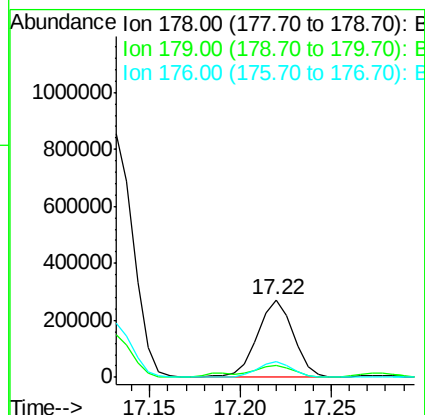
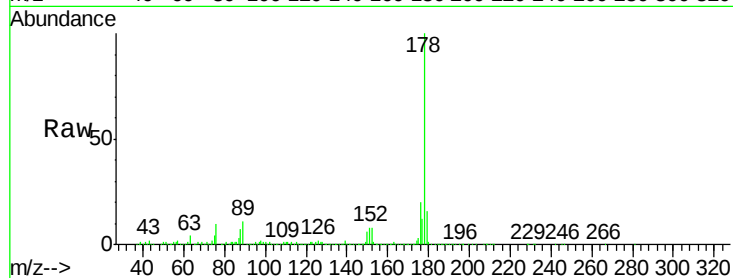




#71
 Anthracene
 Concen: 17.85 ng/ul
 RT: 17.22 min Scan# 2473
 Delta R.T. -0.00 min
 Lab File: BG016218.D
 Acq: 2 Apr 2015 10:03

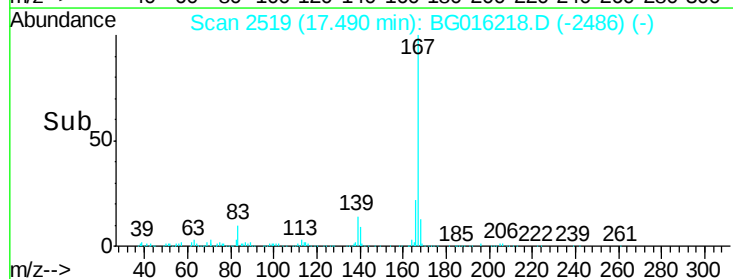
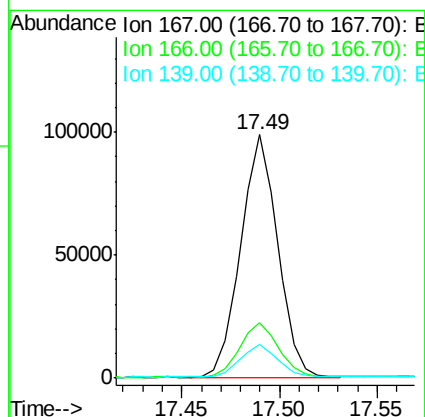
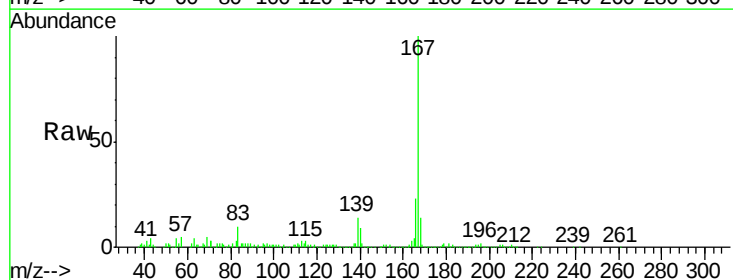
Instrument :
 BNA_G
 ClientSampled :
 C0AC6

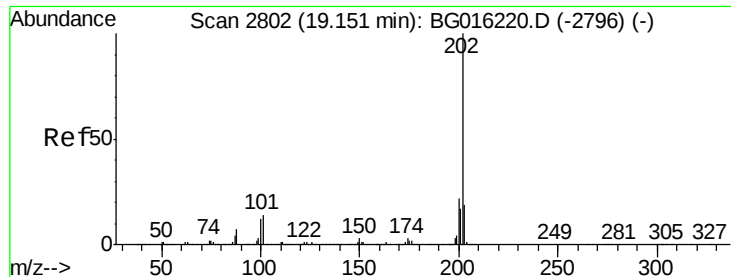
Tgt Ion:178 Resp: 375862
 Ion Ratio Lower Upper
 178 100
 179 15.9 13.0 19.4
 176 19.9 15.9 23.9



#72
 Carbazole
 Concen: 6.37 ng/ul
 RT: 17.49 min Scan# 2519
 Delta R.T. -0.00 min
 Lab File: BG016218.D
 Acq: 2 Apr 2015 10:03

Tgt Ion:167 Resp: 129458
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.4 27.6
 139 13.9 10.7 16.1





#74

Fluoranthene

Concen: 59.00 ng/ul

RT: 19.15 min Scan# 2801

Delta R.T. 0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

Instrument :

BNA_G

ClientSampleId :

C0AC6

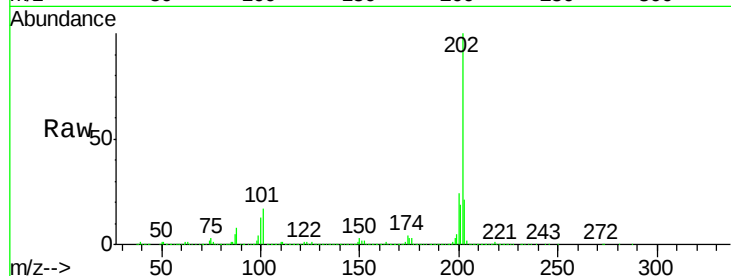
Tgt Ion:202 Resp: 1350632

Ion Ratio Lower Upper

202 100

101 16.5 11.8 17.8

100 12.7 9.4 14.0

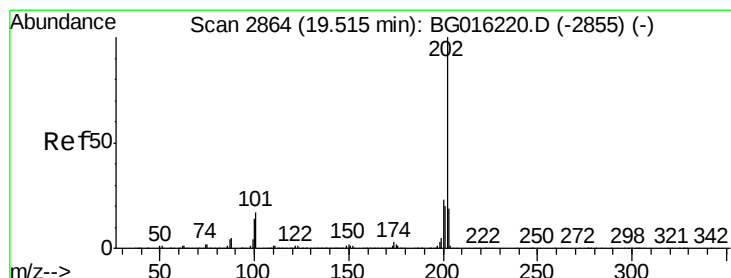
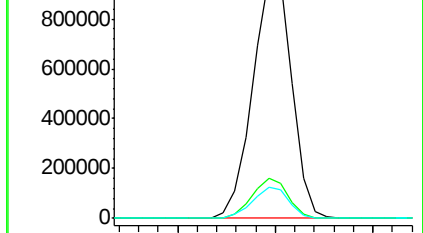
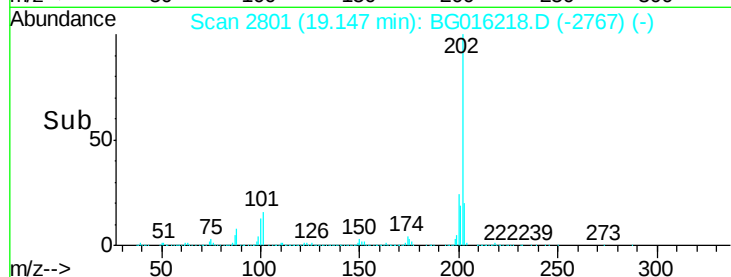


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



#77

Pyrene

Concen: 47.54 ng/ul

RT: 19.51 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

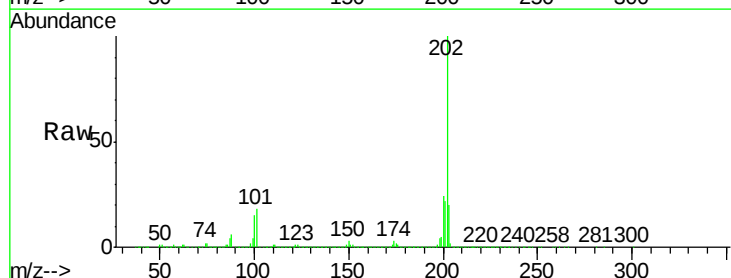
Tgt Ion:202 Resp: 1129678

Ion Ratio Lower Upper

202 100

101 17.9 13.4 20.0

100 15.3 11.1 16.7

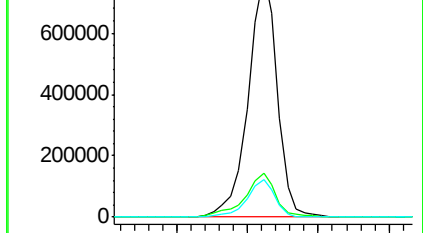
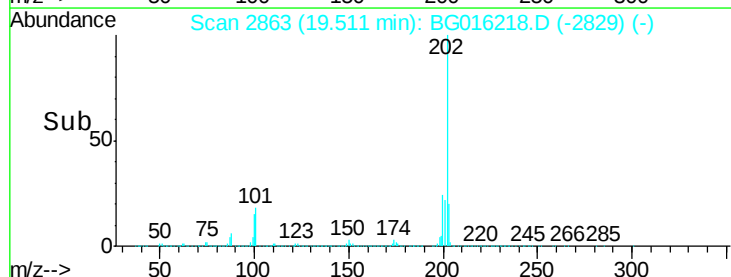


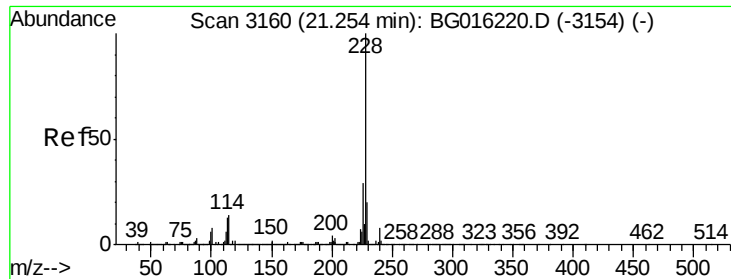
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->





#80

Benzo(a)anthracene

Concen: 25.89 ng/ul

RT: 21.25 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

Instrument :

BNA_G

ClientSampleId :

C0AC6

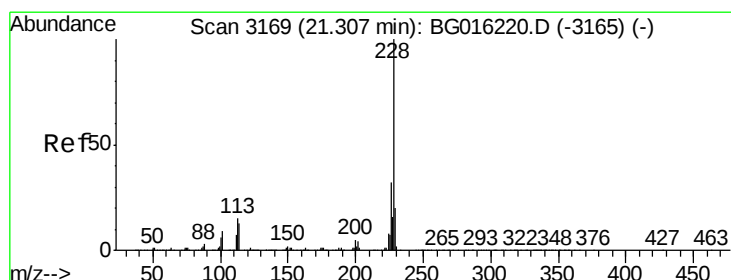
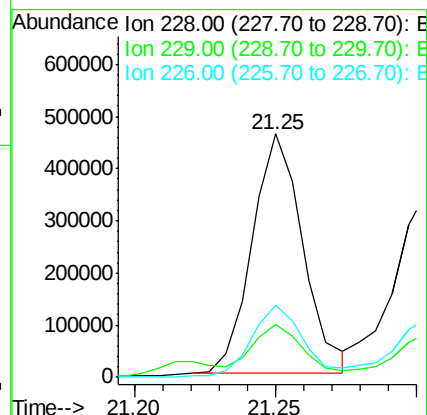
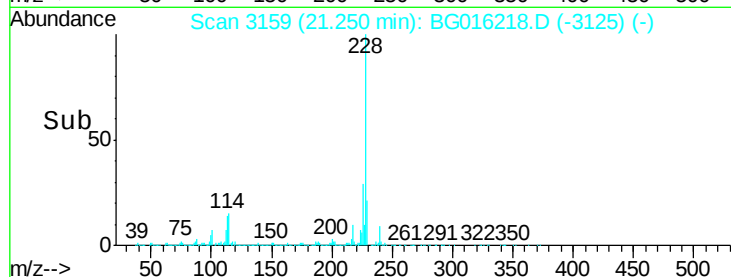
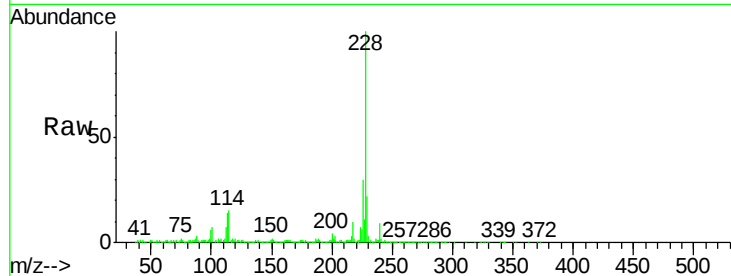
Tgt Ion:228 Resp: 573665

Ion Ratio Lower Upper

228 100

229 21.8 16.5 24.7

226 29.6 23.0 34.4



#82

Chrysene

Concen: 23.15 ng/ul

RT: 21.30 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

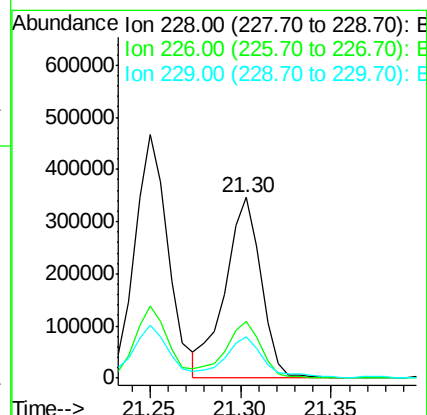
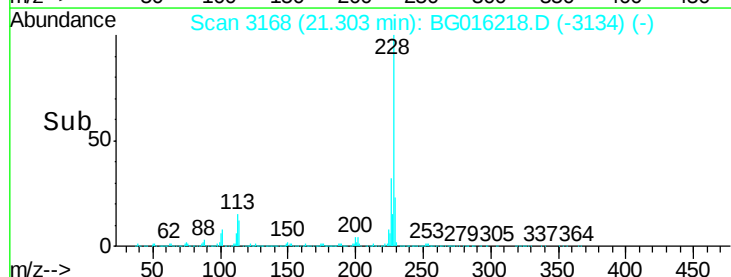
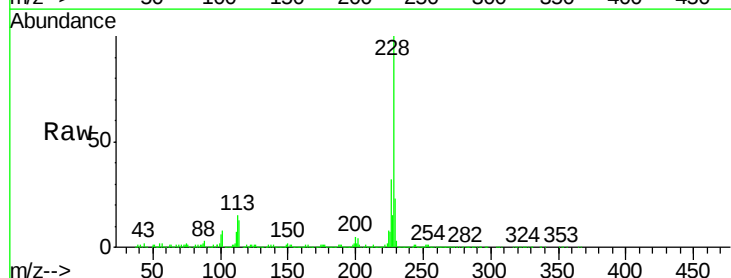
Tgt Ion:228 Resp: 476589

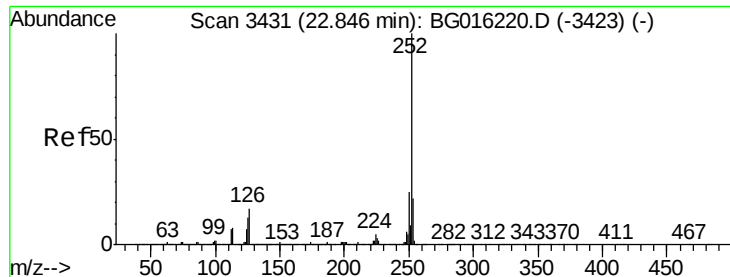
Ion Ratio Lower Upper

228 100

226 31.7 25.4 38.0

229 23.2 16.5 24.7





#85

Benzo(b)fluoranthene

Concen: 26.14 ng/ul

RT: 22.84 min Scan# 3430

Delta R.T. 0.01 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

Instrument :

BNA_G

ClientSampleId :

C0AC6

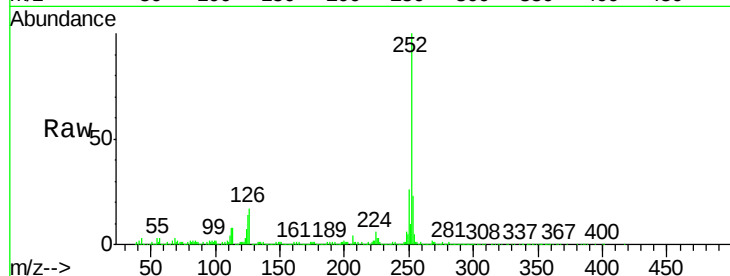
Tgt Ion:252 Resp: 595985

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

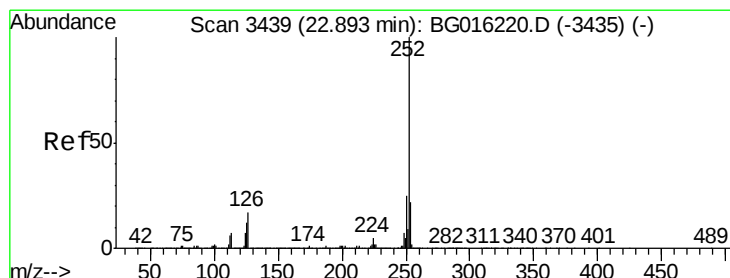
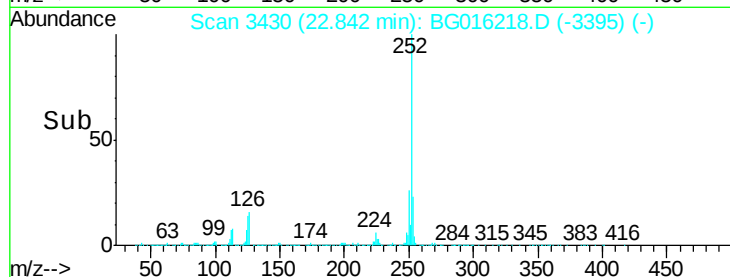
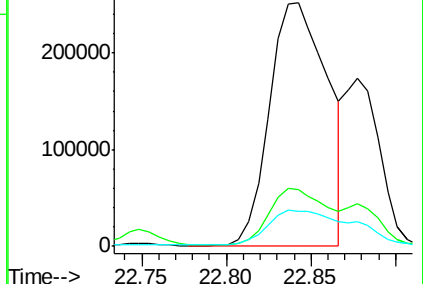
125 14.5 10.6 15.8



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: 10.94 ng/ul

RT: 22.88 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

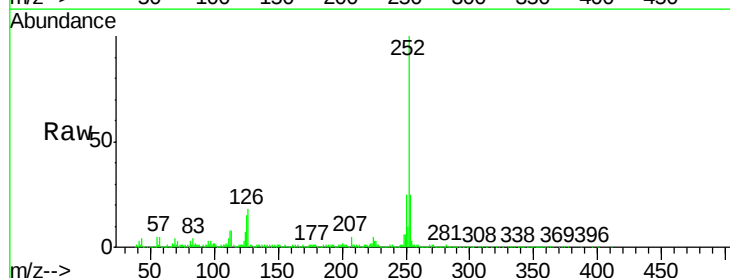
Tgt Ion:252 Resp: 240339

Ion Ratio Lower Upper

252 100

253 25.0 18.6 28.0

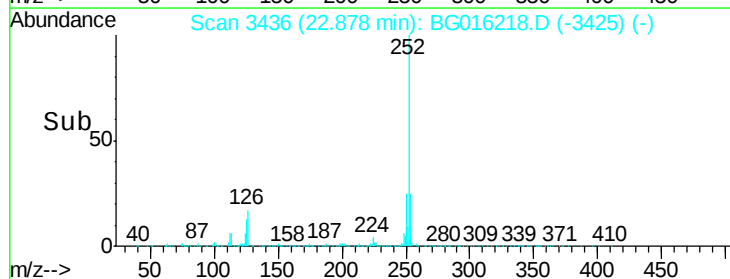
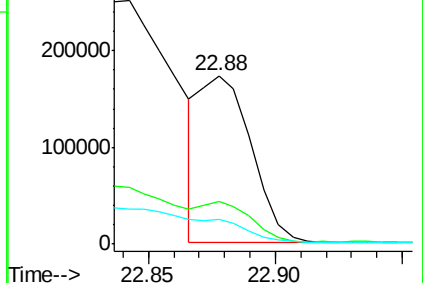
125 14.8 11.8 17.6

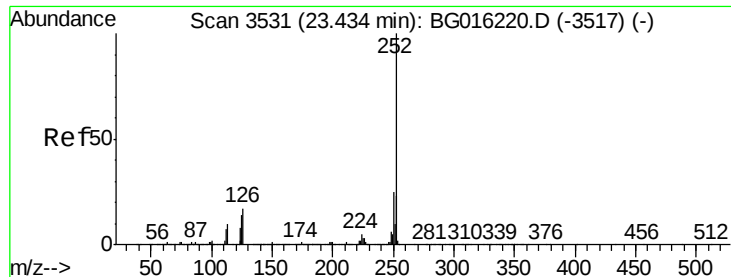


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 21.44 ng/ul

RT: 23.42 min Scan# 3528

Delta R.T. -0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

Instrument :

BNA_G

ClientSampleId :

C0AC6

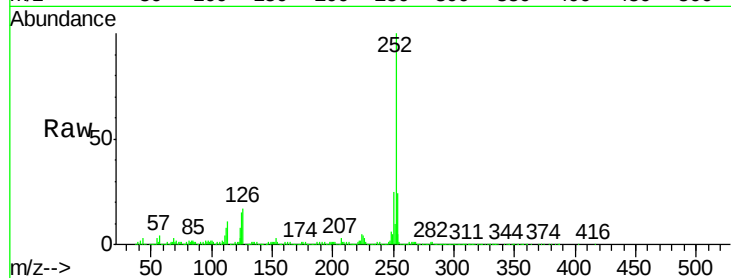
Tgt Ion:252 Resp: 466028

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

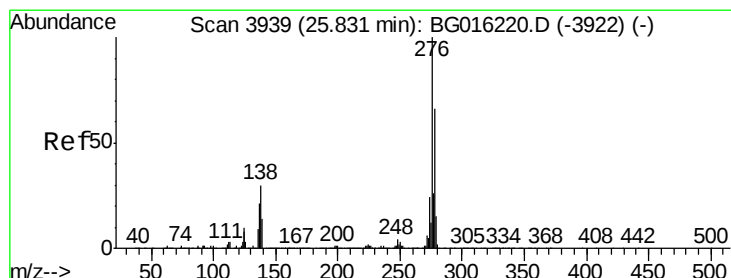
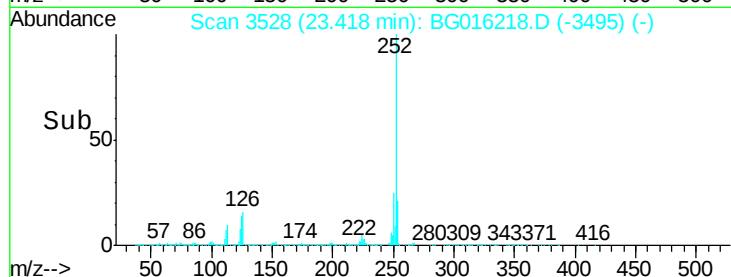
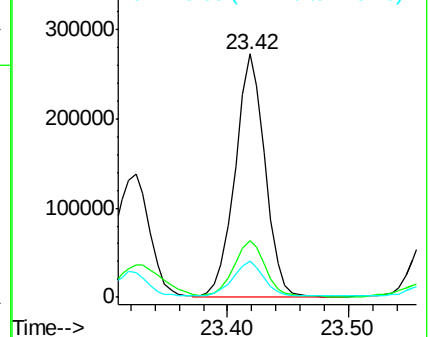
125 14.8 12.1 18.1



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: 11.36 ng/ul

RT: 25.82 min Scan# 3936

Delta R.T. -0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

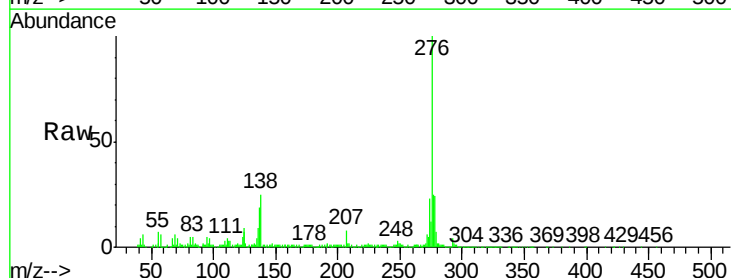
Tgt Ion:276 Resp: 288735

Ion Ratio Lower Upper

276 100

138 25.4 27.0 40.6#

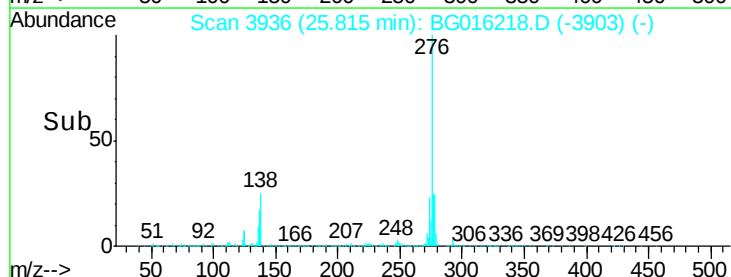
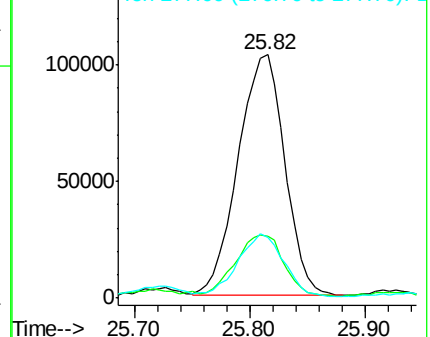
277 25.1 21.8 32.6

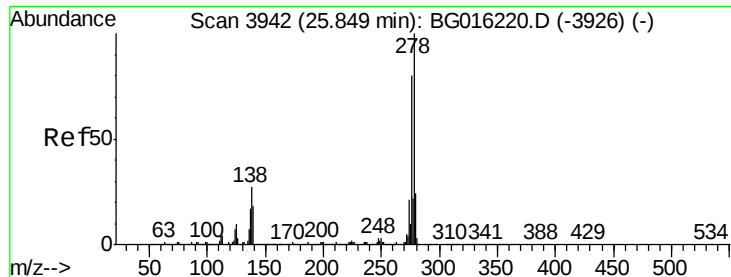


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.46 ng/ul

RT: 25.82 min Scan# 3936

Delta R.T. -0.02 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

Instrument :

BNA_G

ClientSampleId :

C0AC6

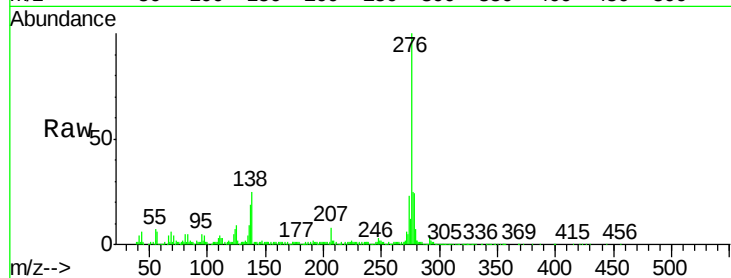
Tgt Ion:278 Resp: 73223

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

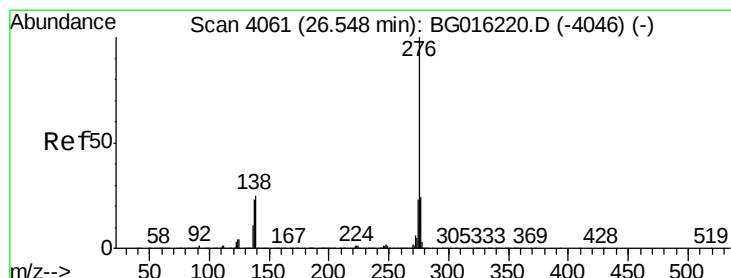
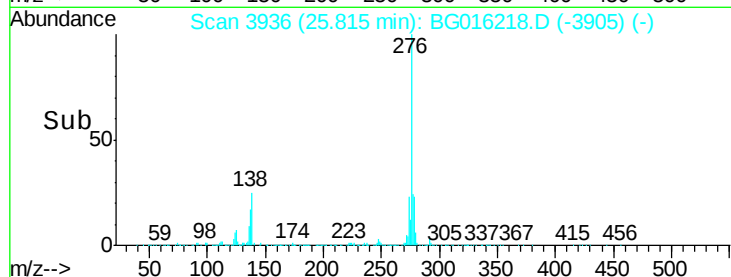
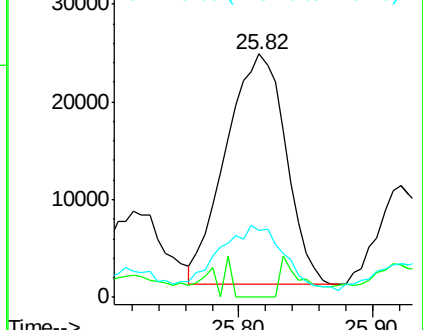
279 27.5 19.3 28.9



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: 10.99 ng/ul

RT: 26.52 min Scan# 4056

Delta R.T. -0.00 min

Lab File: BG016218.D

Acq: 2 Apr 2015 10:03

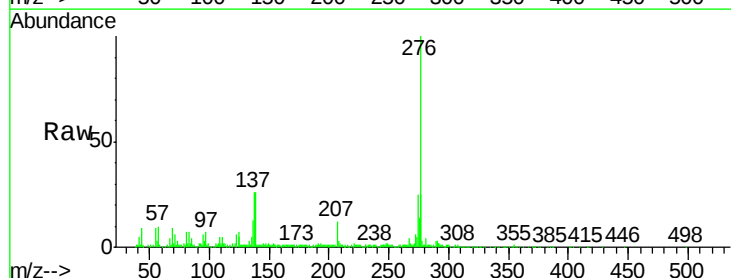
Tgt Ion:276 Resp: 228251

Ion Ratio Lower Upper

276 100

138 25.8 21.0 31.6

277 24.8 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

