

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
 Data File : BG016184.D
 Acq On : 27 Mar 2015 20:38
 Operator : TP/IZ
 Sample : G1647-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 06:08:20 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 28 05:59:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	58443	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	267779	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	161590	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	321819	20.00	ng/ul	0.00
75) Chrysene-d12	21.32	240	312321	20.00	ng/ul	0.00
83) Perylene-d12	23.61	264	314338	20.00	ng/ul	0.00

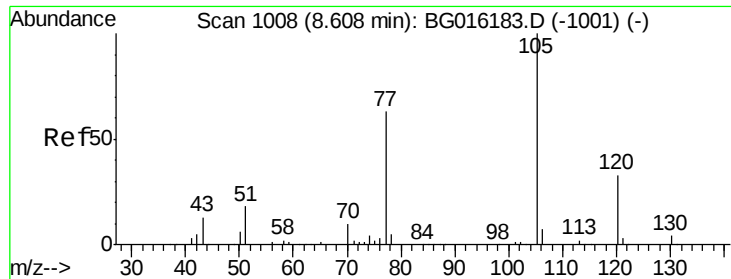
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.96	99	140378	26.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	74061	25.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	111471	27.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	111036	28.13	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	60685	28.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	63755	31.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	104729	27.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	135240	26.03	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	301672	28.64	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	406159	27.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	55567	22.08	ng/ul	0.00
57) Fluorene-d10	15.40	176	279865	26.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	37845	22.50	ng/ul	0.00
70) Anthracene-d10	17.25	188	389120	26.47	ng/ul	0.00
76) Pyrene-d10	19.54	212	379713	27.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	339442	24.76	ng/ul	0.00

Target Compounds

						Ovalue
14) Acetophenone	8.61	105	10550	1.69	ng/ul	94
28) Naphthalene	10.63	128	15151	1.05	ng/ul	99
34) 2-Methylnaphthalene	12.24	142	11226	1.10	ng/ul	96
44) Dimethylphthalate	13.87	163	25055	2.10	ng/ul	98
49) Acenaphthene	14.48	153	37034	3.36	ng/ul	95
53) Dibenzofuran	14.81	168	52535	3.53	ng/ul	97
58) Fluorene	15.46	166	81302	6.26	ng/ul	99
69) Phenanthrene	17.19	178	673243	36.80	ng/ul	98
71) Anthracene	17.29	178	237974	12.81	ng/ul	99
72) Carbazole	17.55	167	36157	2.02	ng/ul	97
74) Fluoranthene	19.21	202	894770	43.26	ng/ul	99
77) Pyrene	19.57	202	723967	37.67	ng/ul	99
80) Benzo(a)anthracene	21.31	228	395915	22.37	ng/ul	99
82) Chrysene	21.36	228	333024	19.78	ng/ul	97
85) Benzo(b)fluoranthene	22.92	252	401247	22.24	ng/ul	96
86) Benzo(k)fluoranthene	22.92	252	178668	10.03	ng/ul	96
88) Benzo(a)pyrene	23.51	252	311961	17.35	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.95	276	170952	8.22	ng/ul	95
90) Dibenzo(a,h)anthracene	25.95	278	46732	2.68	ng/ul#	89
91) Benzo(g,h,i)perylene	26.67	276	133178	7.62	ng/ul	98

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



#14

Acetophenone

Concen: 1.69 ng/ul

RT: 8.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

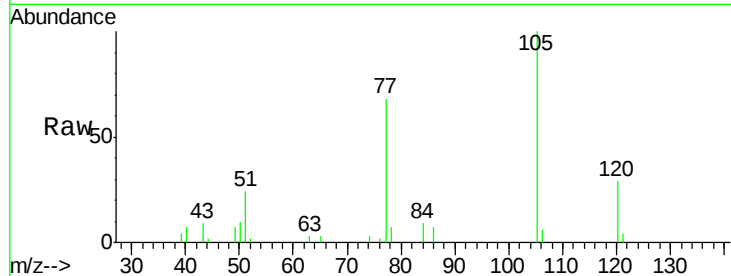
Tot Ion:105 Resp: 10550

Ion Ratio Lower Upper

105 100

77 67.9 57.8 86.8

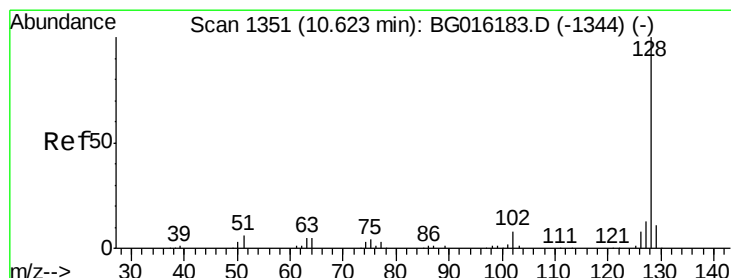
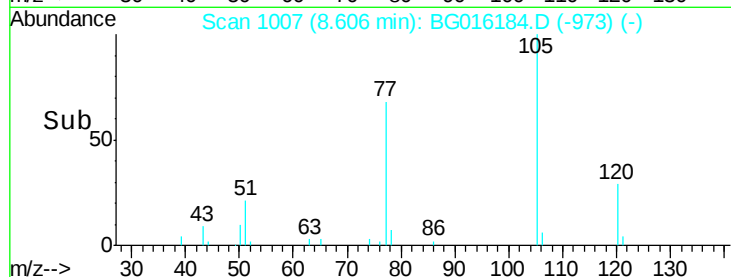
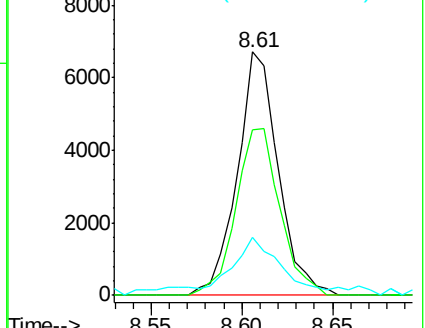
51 23.8 16.5 24.7



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#28

Naphthalene

Concen: 1.05 ng/ul

RT: 10.63 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

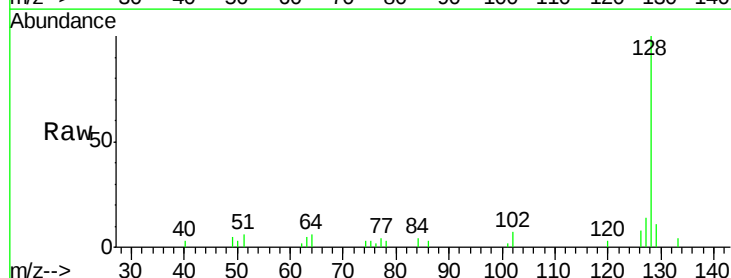
Tgt Ion:128 Resp: 15151

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

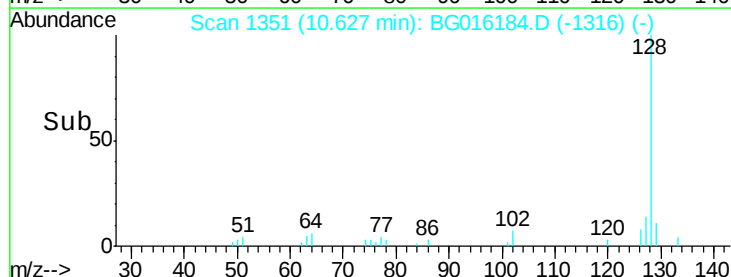
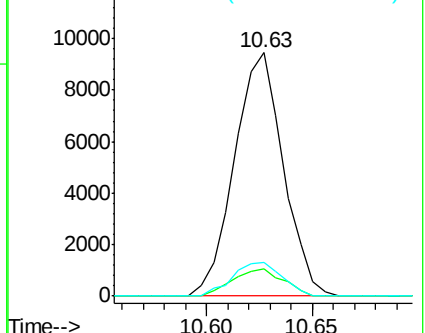
127 13.7 10.4 15.6

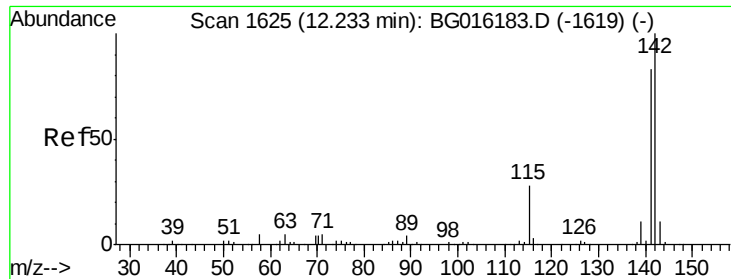


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

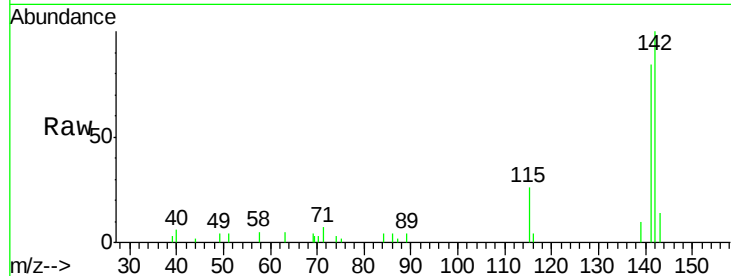




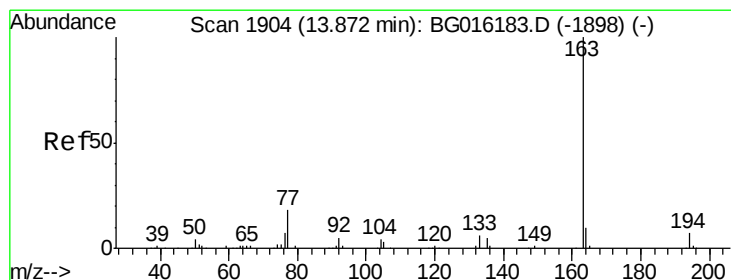
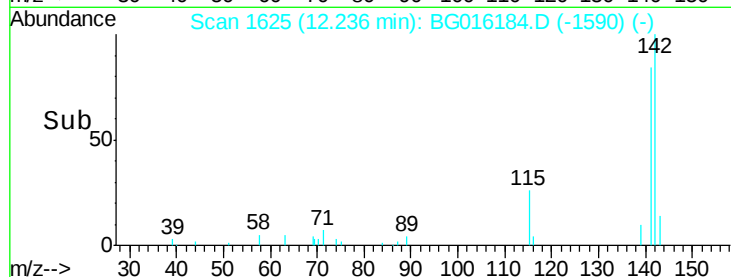
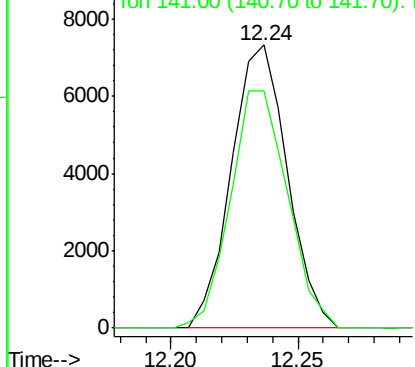
#34
 2-Methylnaphthalene
 Concen: 1.10 ng/ul
 RT: 12.24 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BG016184.D
 Acq: 27 Mar 2015 20:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:142 Resp: 11226
 Ion Ratio Lower Upper
 142 100
 141 83.7 70.2 105.2

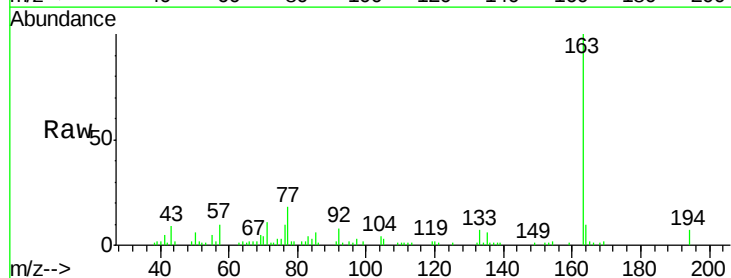


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

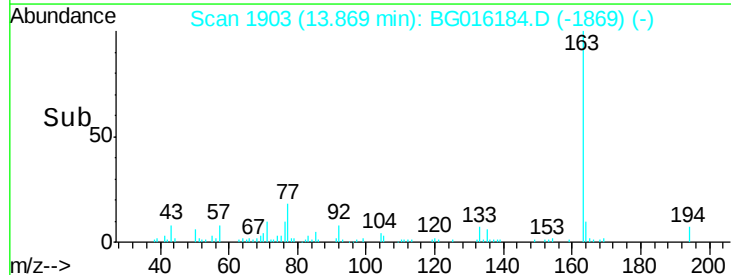
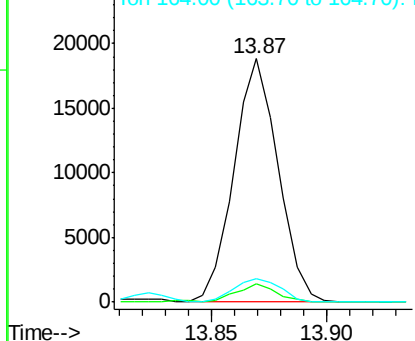


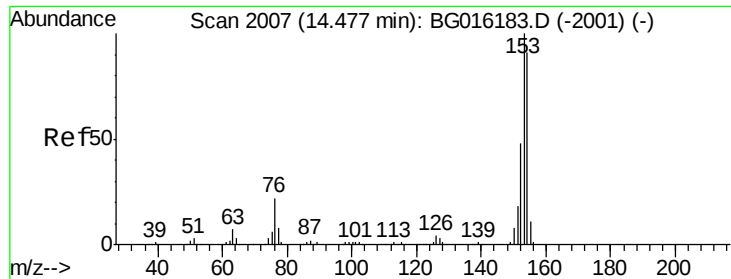
#44
 Dimethylphthalate
 Concen: 2.10 ng/ul
 RT: 13.87 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: BG016184.D
 Acq: 27 Mar 2015 20:38

Tgt Ion:163 Resp: 25055
 Ion Ratio Lower Upper
 163 100
 194 7.5 5.4 8.0
 164 9.8 8.2 12.4



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: 3.36 ng/ul

RT: 14.48 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

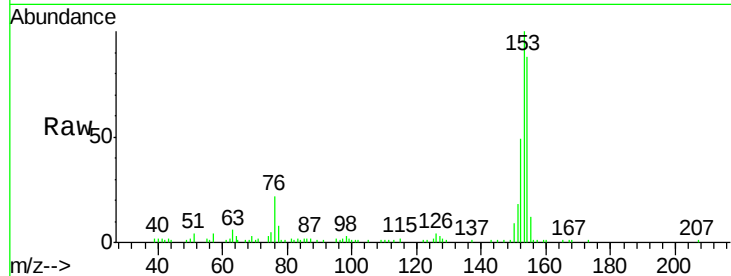
Tot Ion:153 Resp: 37034

Ion Ratio Lower Upper

153 100

152 49.0 37.4 56.2

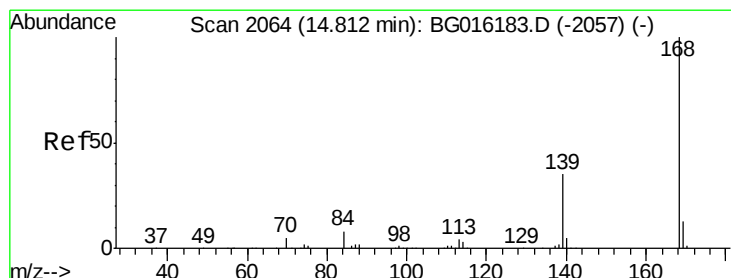
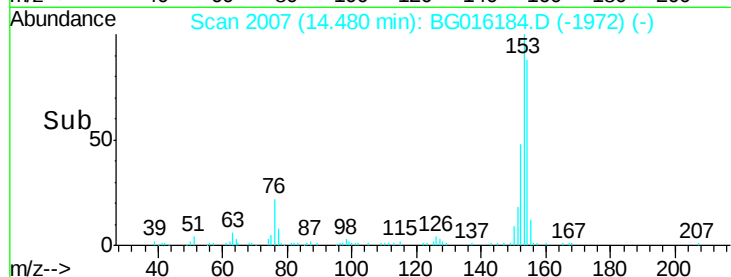
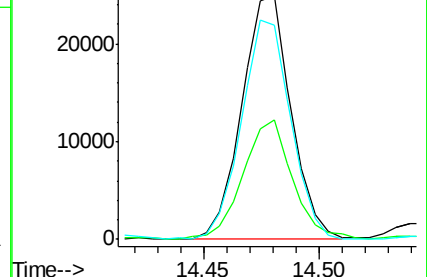
154 87.9 74.4 111.6



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: 3.53 ng/ul

RT: 14.81 min Scan# 2063

Delta R.T. -0.00 min

Lab File: BG016184.D

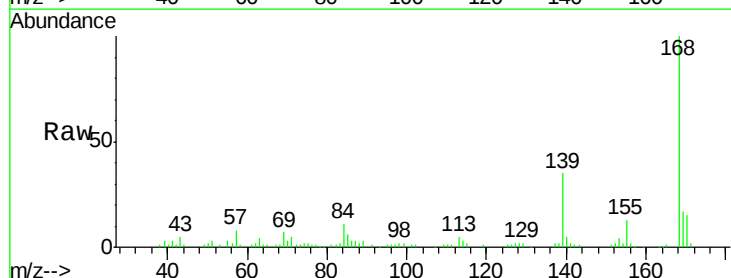
Acq: 27 Mar 2015 20:38

Tgt Ion:168 Resp: 52535

Ion Ratio Lower Upper

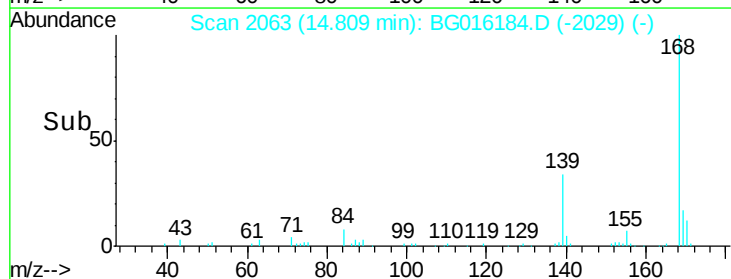
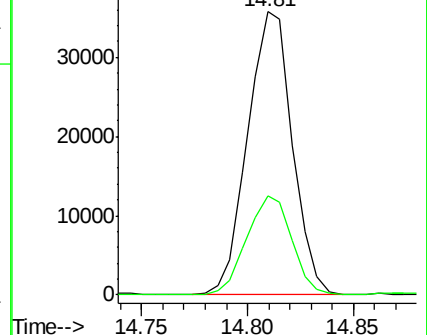
168 100

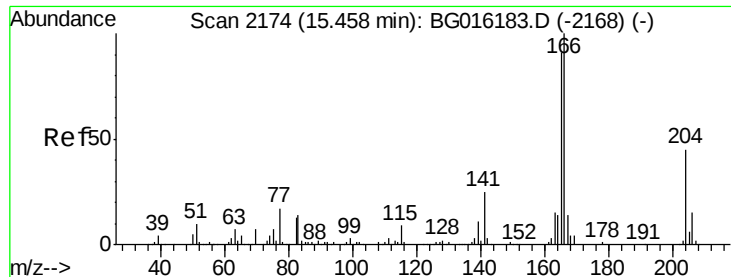
139 34.8 29.1 43.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.26 ng/ul

RT: 15.46 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

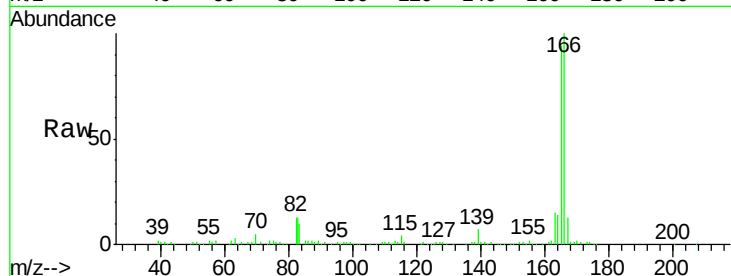
Tot Ion:166 Resp: 81302

Ion Ratio Lower Upper

166 100

165 93.9 76.1 114.1

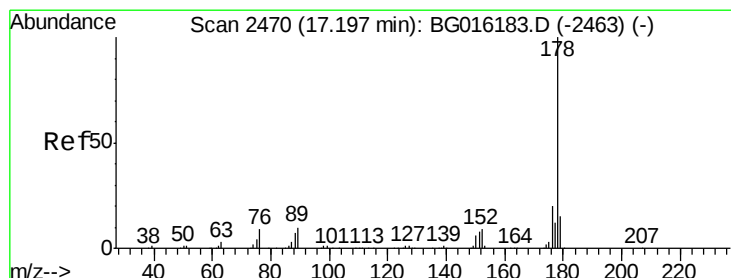
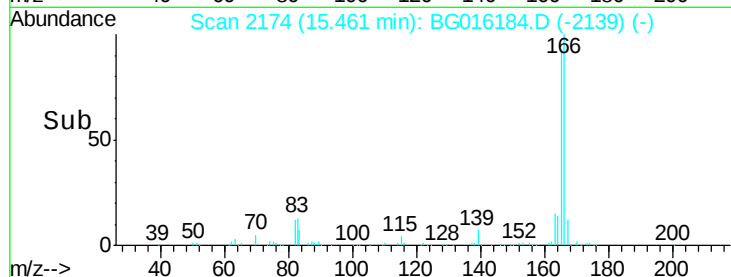
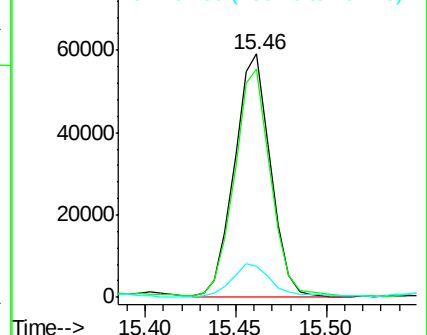
167 12.8 10.5 15.7



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: 36.80 ng/ul

RT: 17.19 min Scan# 2469

Delta R.T. -0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

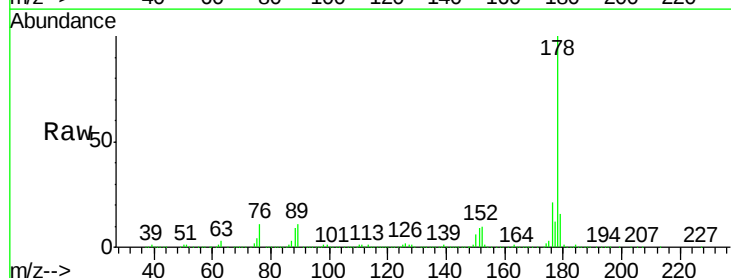
Tgt Ion:178 Resp: 673243

Ion Ratio Lower Upper

178 100

179 16.4 12.8 19.2

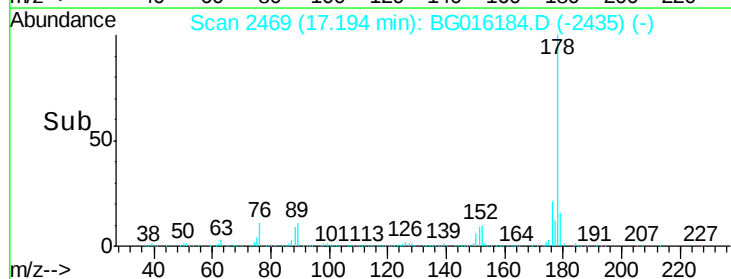
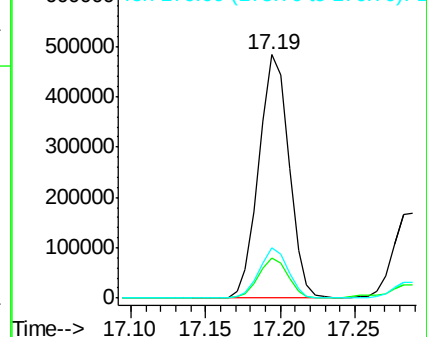
176 20.6 15.6 23.4

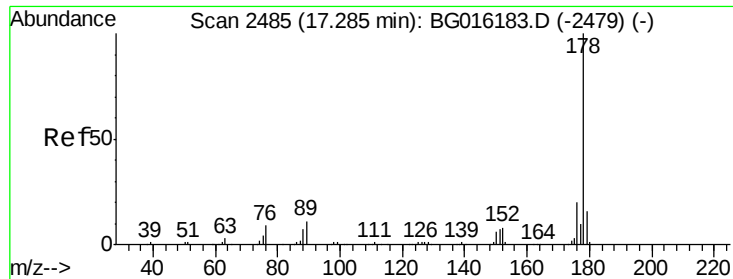


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 12.81 ng/ul

RT: 17.29 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

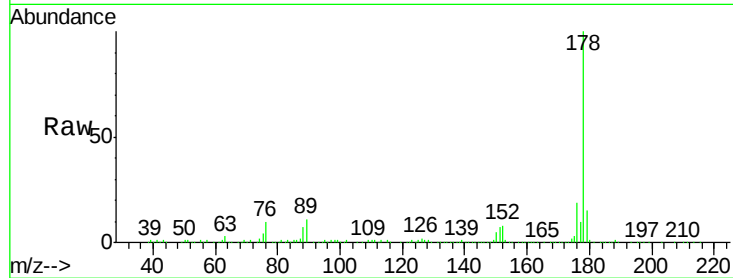
Tot Ion:178 Resp: 237974

Ion Ratio Lower Upper

178 100

179 15.3 12.7 19.1

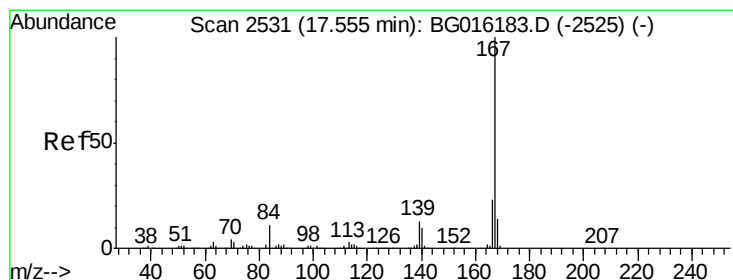
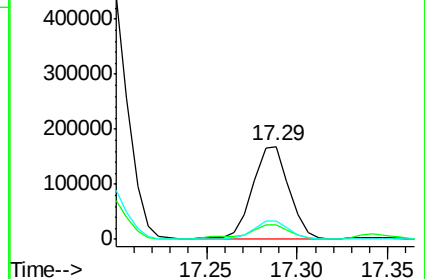
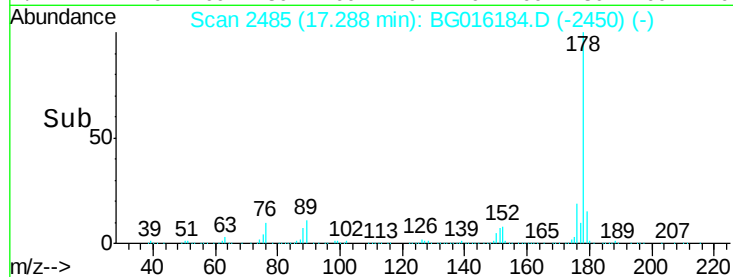
176 19.1 15.3 22.9



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



#72

Carbazole

Concen: 2.02 ng/ul

RT: 17.55 min Scan# 2530

Delta R.T. -0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

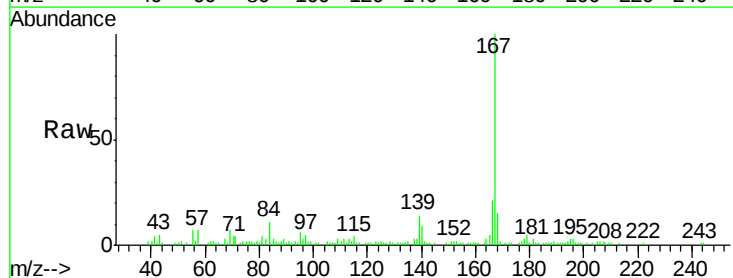
Tgt Ion:167 Resp: 36157

Ion Ratio Lower Upper

167 100

166 21.5 18.2 27.2

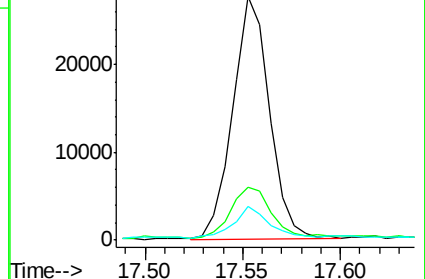
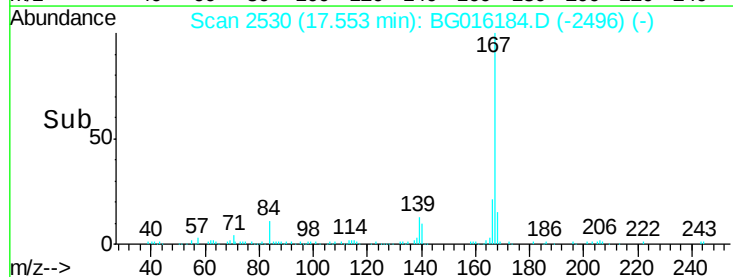
139 13.8 10.0 15.0

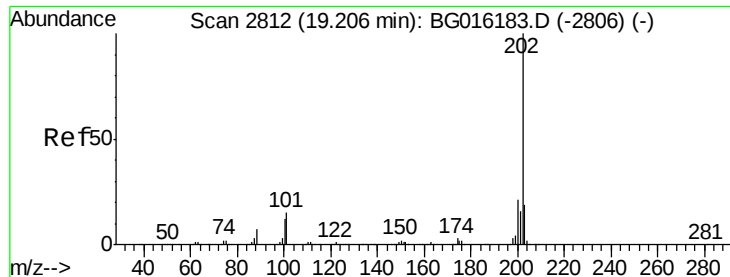


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 43.26 ng/ul

RT: 19.21 min Scan# 2812

Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

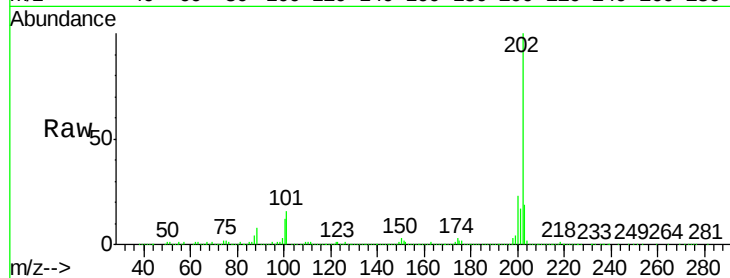
Tot Ion:202 Resp: 894770

Ion Ratio Lower Upper

202 100

101 15.9 12.9 19.3

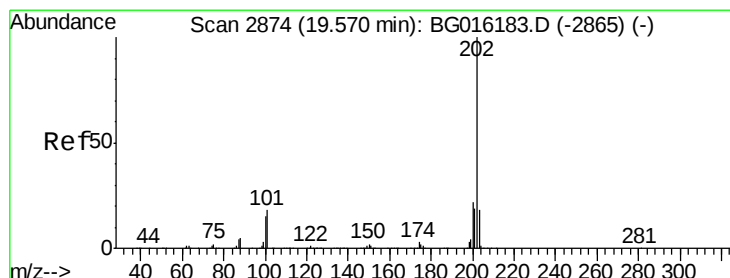
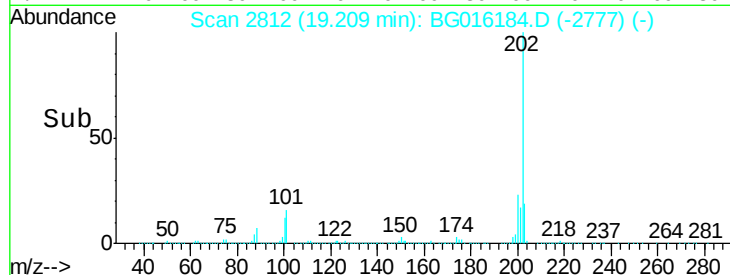
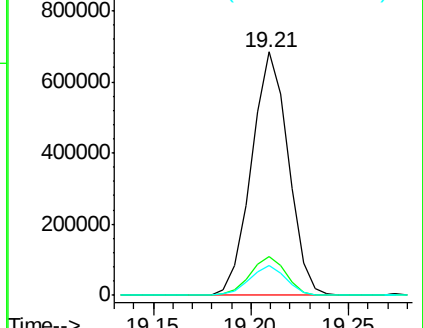
100 12.2 9.4 14.2



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: 37.67 ng/ul

RT: 19.57 min Scan# 2874

Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

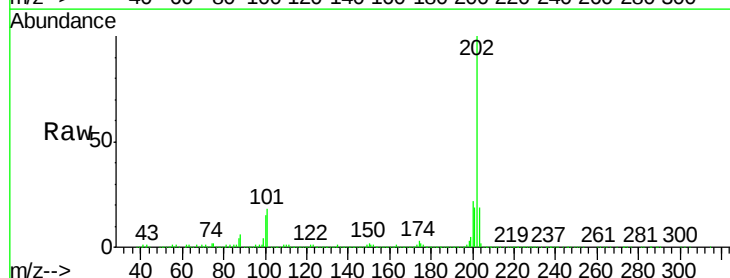
Tgt Ion:202 Resp: 723967

Ion Ratio Lower Upper

202 100

101 18.4 14.6 21.8

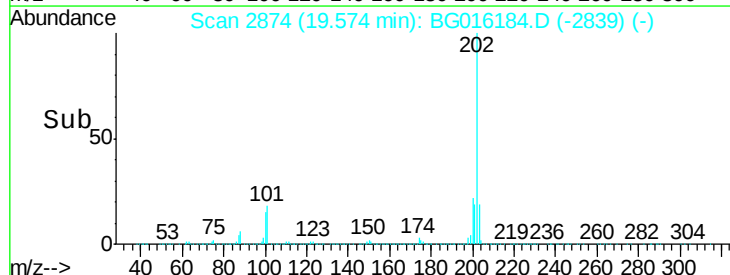
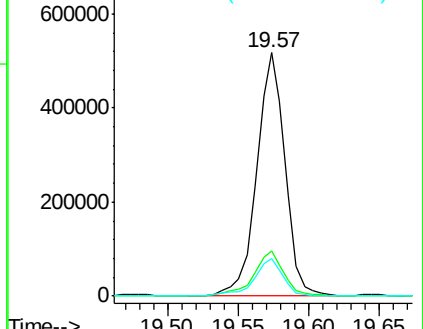
100 15.3 12.1 18.1

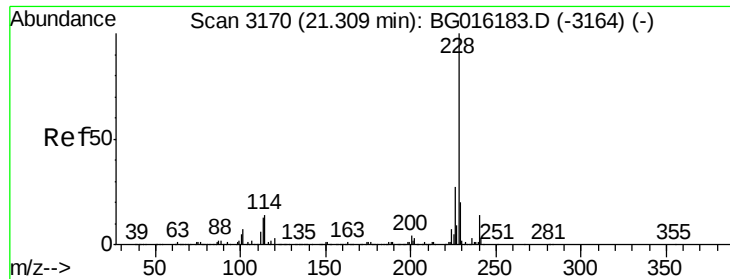


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

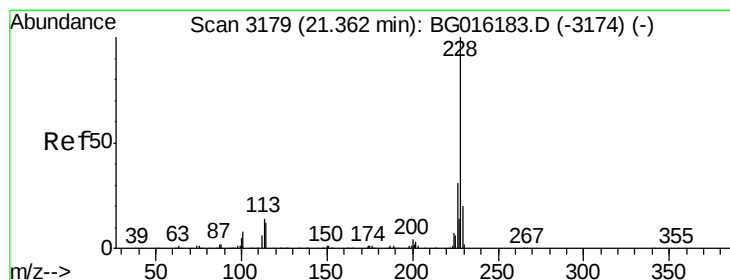
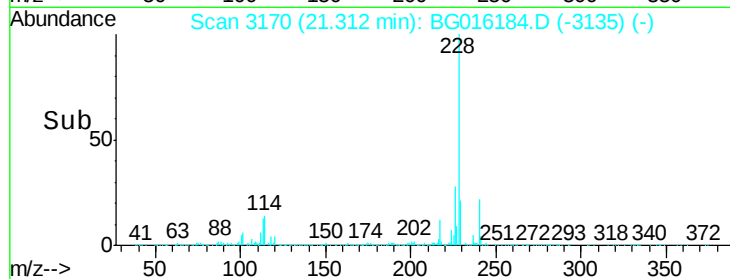
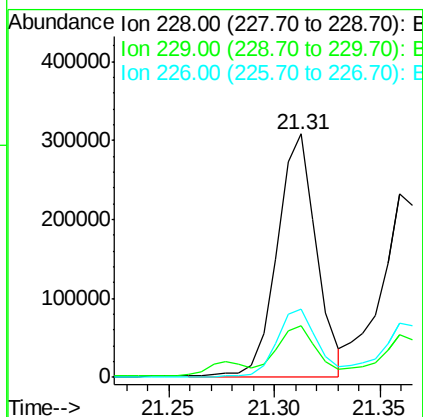
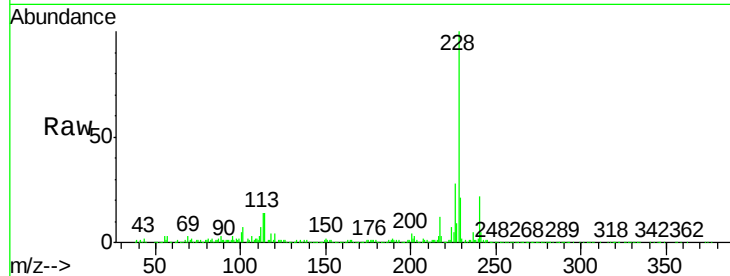




#80
Benzo(a)anthracene
Concen: 22.37 ng/ul
RT: 21.31 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BG016184.D
Acq: 27 Mar 2015 20:38

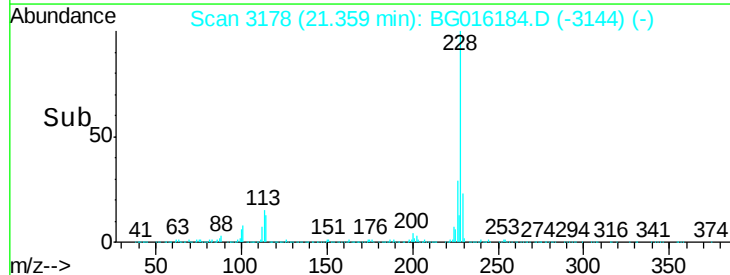
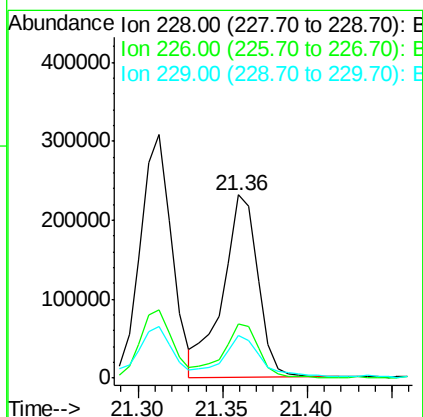
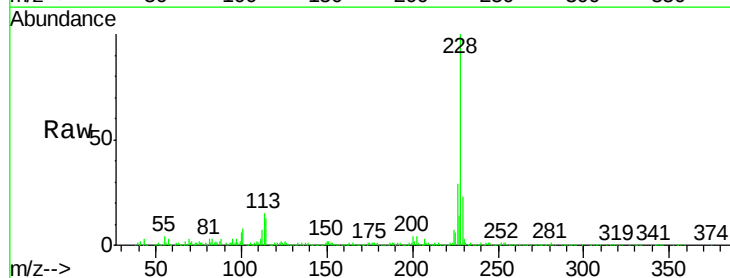
Instrument :
BNA_G
ClientSampleId :

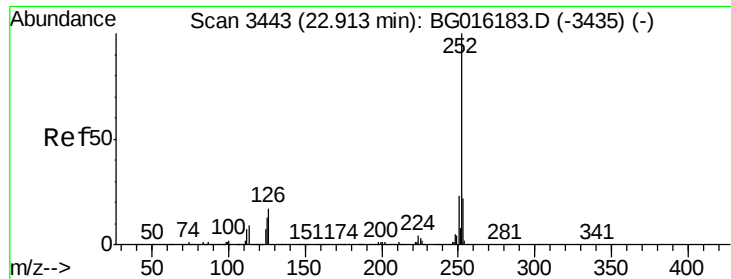
Tot Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.2	24.4
226	28.0	22.4	33.6



#82
Chrysene
Concen: 19.78 ng/ul
RT: 21.36 min Scan# 3178
Delta R.T. -0.00 min
Lab File: BG016184.D
Acq: 27 Mar 2015 20:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.6	36.8
229	23.2	16.6	25.0





#85

Benzo(b)fluoranthene

Concen: 22.24 ng/ul

RT: 22.92 min Scan# 3444

Delta R.T. 0.01 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

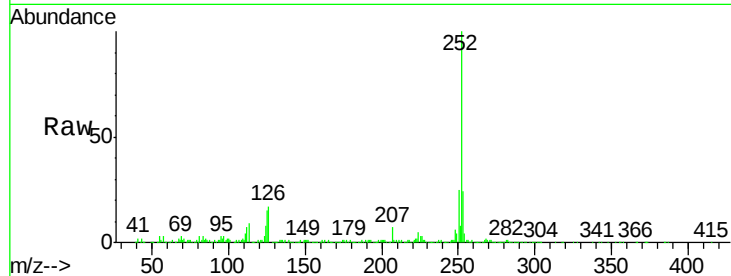
Tot Ion:252 Resp: 401247

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

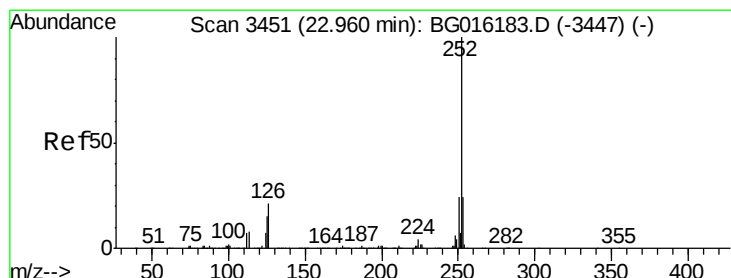
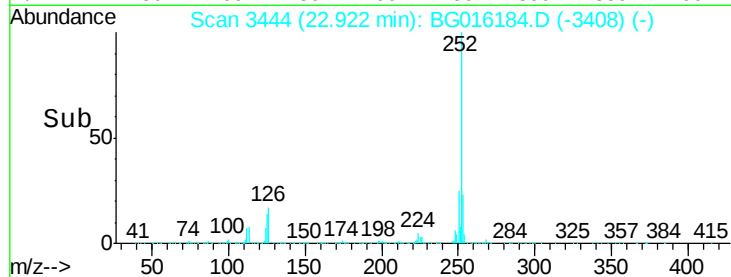
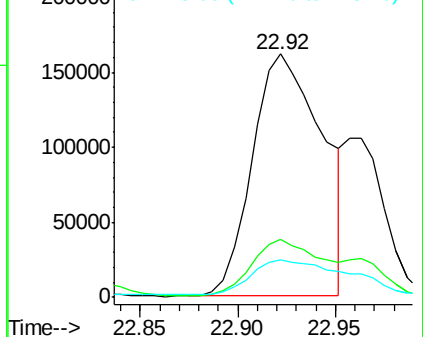
125 15.4 11.0 16.6



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



#86

Benzo(k)fluoranthene

Concen: 10.03 ng/ul

RT: 22.92 min Scan# 3444

Delta R.T. -0.04 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

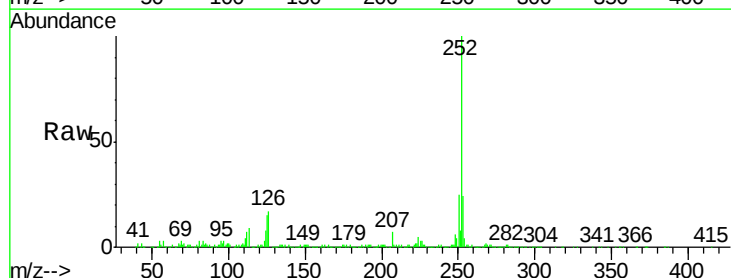
Tgt Ion:252 Resp: 178668

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

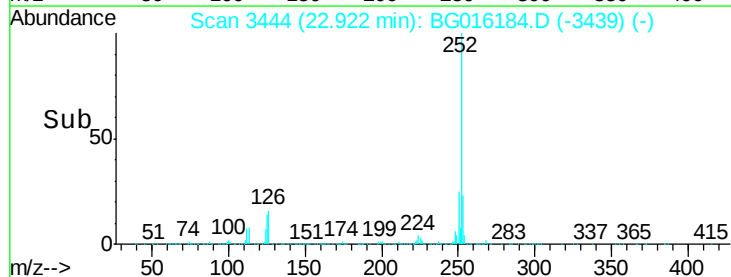
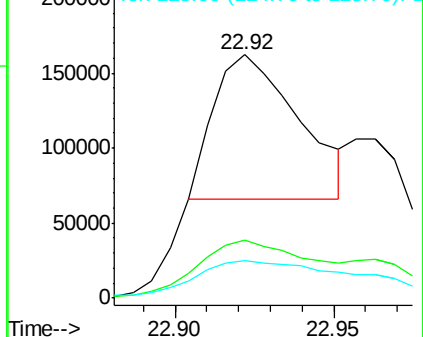
125 15.4 10.7 16.1

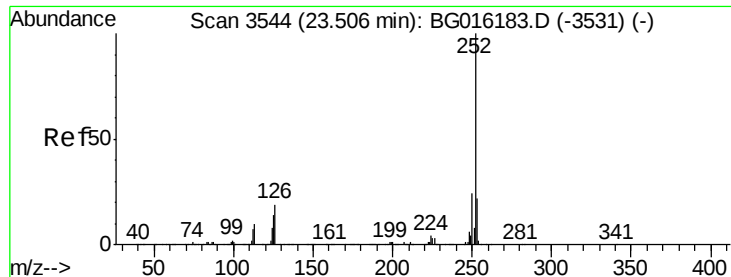


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 17.35 ng/ul

RT: 23.51 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

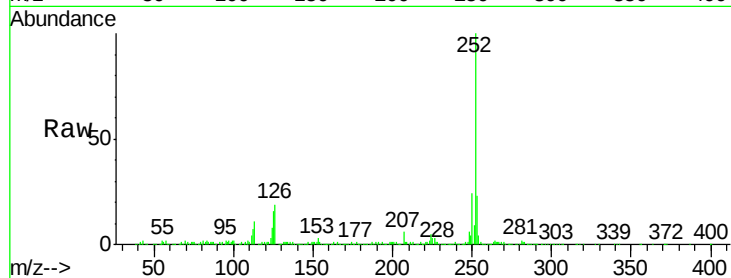
Tot Ion:252 Resp: 311961

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

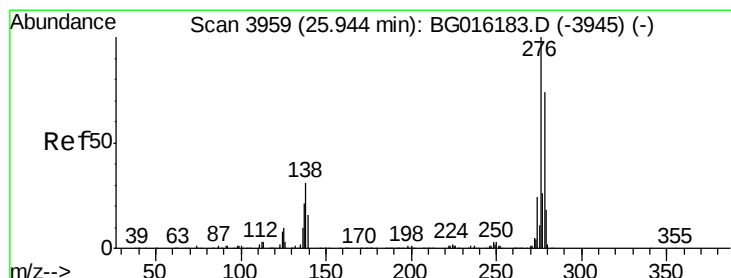
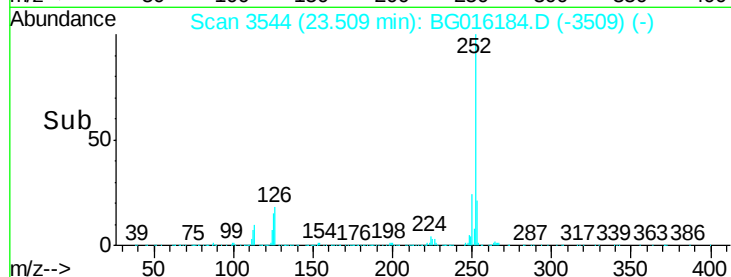
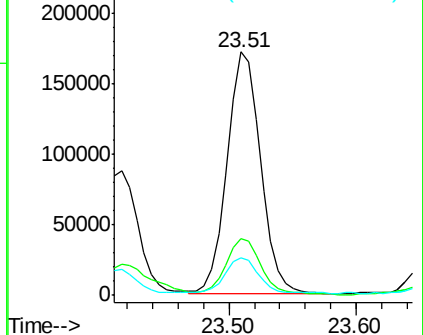
125 15.7 11.5 17.3



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: 8.22 ng/ul

RT: 25.95 min Scan# 3959

Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

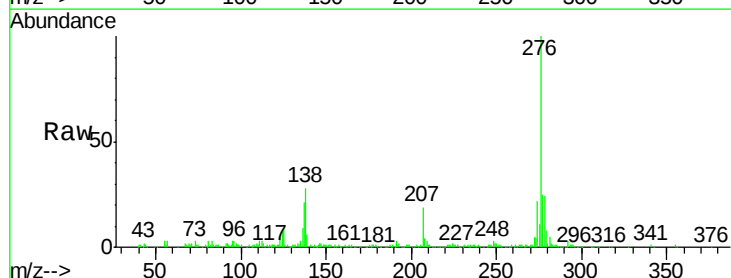
Tgt Ion:276 Resp: 170952

Ion Ratio Lower Upper

276 100

138 28.1 26.1 39.1

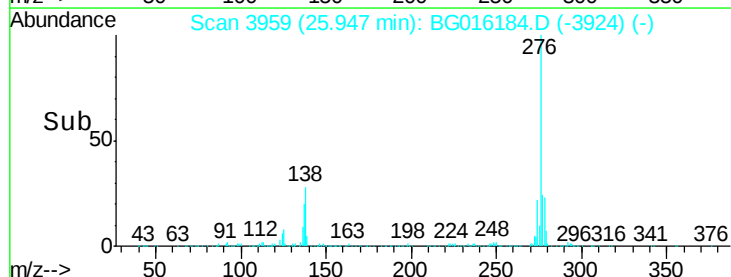
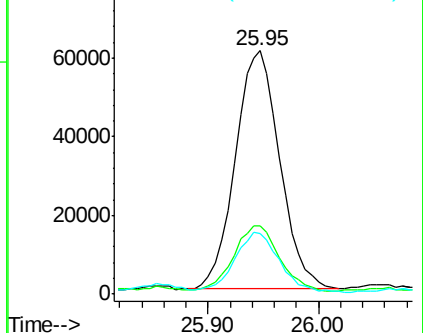
277 25.0 20.0 30.0

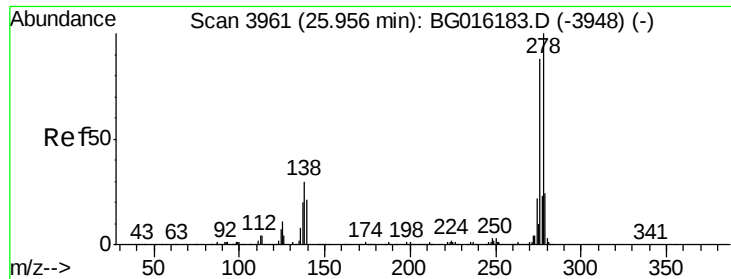


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.68 ng/ul

RT: 25.95 min Scan# 3959

Delta R.T. -0.01 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

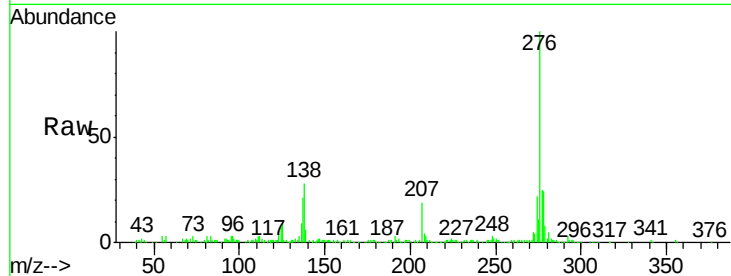
Tot Ion:278 Resp: 46732

Ion Ratio Lower Upper

278 100

139 24.8 17.8 26.6

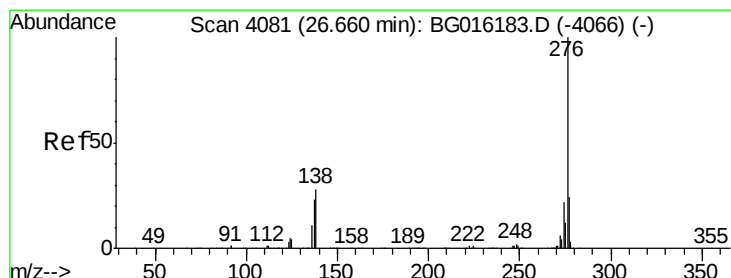
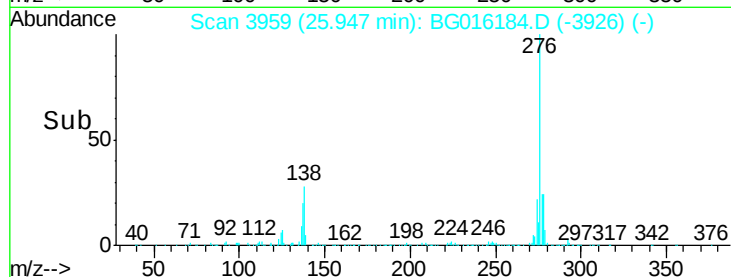
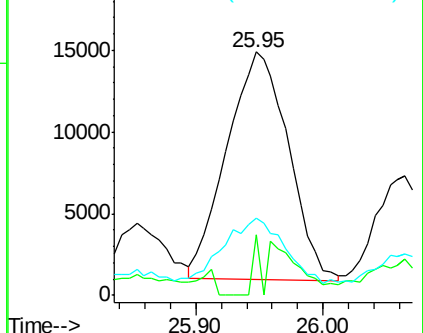
279 31.7 19.3 28.9#



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: 7.62 ng/ul

RT: 26.67 min Scan# 4082

Delta R.T. 0.01 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

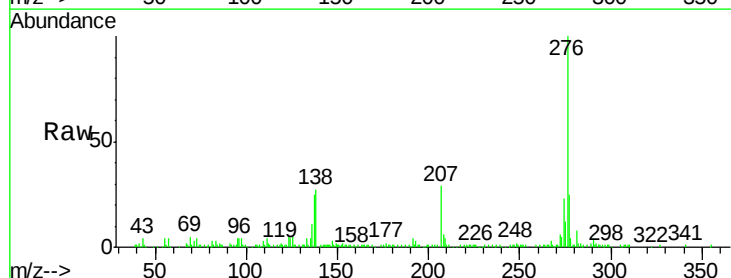
Tgt Ion:276 Resp: 133178

Ion Ratio Lower Upper

276 100

138 26.5 22.0 33.0

277 25.1 19.0 28.4



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

