

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
 Data File : BG016185.D
 Acq On : 27 Mar 2015 21:13
 Operator : TP/IZ
 Sample : G1647-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 06:08:36 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	52682	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	235984	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	140563	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	286236	20.00	ng/ul	0.00
75) Chrysene-d12	21.33	240	290121	20.00	ng/ul	0.00
83) Perylene-d12	23.61	264	294422	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	116006	24.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	59422	22.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	90345	24.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	90715	25.49	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	48141	25.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	51532	28.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	83584	25.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	112263	24.52	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	251556	27.45	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	327447	25.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	53215	24.31	ng/ul	0.00
57) Fluorene-d10	15.41	176	236950	25.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	30138	20.15	ng/ul	0.00
70) Anthracene-d10	17.25	188	348846	26.68	ng/ul	0.00
76) Pyrene-d10	19.54	212	343155	26.45	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	303901	23.67	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.62	128	15230	1.20	ng/ul	98
34) 2-Methylnaphthalene	12.24	142	9421	1.04	ng/ul	92
44) Dimethylphthalate	13.87	163	17793	1.71	ng/ul	97
47) Acenaphthylene	14.14	152	19936	1.39	ng/ul	98
49) Acenaphthene	14.48	153	51277	5.36	ng/ul	98
53) Dibenzofuran	14.81	168	81499	6.30	ng/ul	99
58) Fluorene	15.46	166	96274	8.53	ng/ul	94
69) Phenanthrene	17.20	178	723563	44.47	ng/ul	98
71) Anthracene	17.29	178	183813	11.13	ng/ul	98
72) Carbazole	17.56	167	30460	1.92	ng/ul	99
74) Fluoranthene	19.21	202	999642	54.34	ng/ul	99
77) Pyrene	19.57	202	820768	45.98	ng/ul	98
80) Benzo(a)anthracene	21.31	228	452427	27.52	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.23	149	9970	1.01	ng/ul	96
82) Chrysene	21.36	228	376474	24.07	ng/ul	98
85) Benzo(b)fluoranthene	22.92	252	447917	26.50	ng/ul	99
86) Benzo(k)fluoranthene	22.92	252	123209	7.38	ng/ul	98
88) Benzo(a)pyrene	23.51	252	346820	20.60	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.94	276	197774	10.15	ng/ul	95
90) Dibenzo(a,h)anthracene	25.95	278	55922	3.42	ng/ul#	73
91) Benzo(a,h,i)perylene	26.67	276	147567	9.01	ng/ul	97

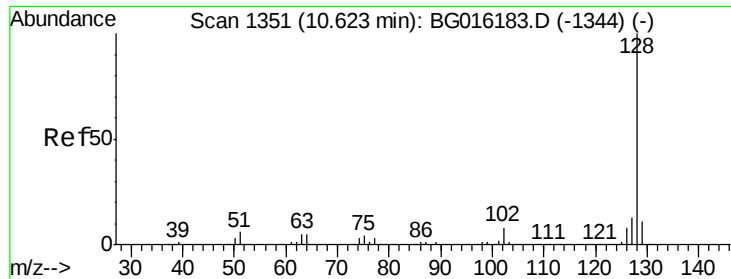
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#28

Naphthalene

Concen: 1.20 ng/ul

RT: 10.62 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

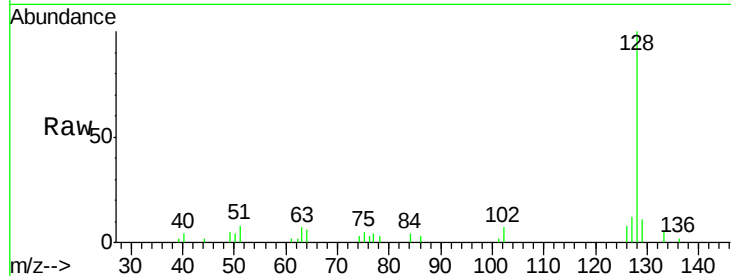
Tot Ion:128 Resp: 15230

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

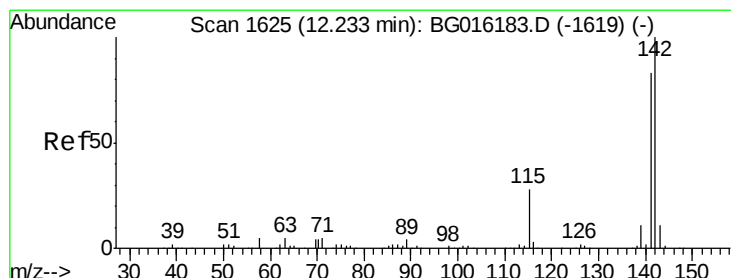
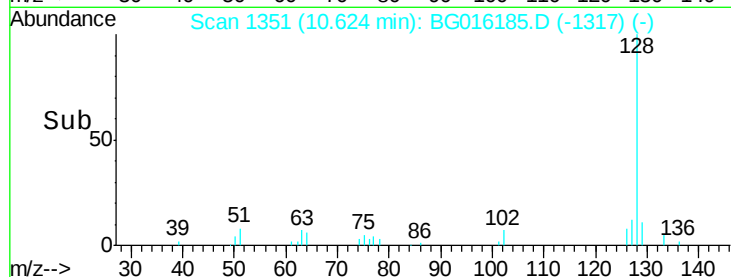
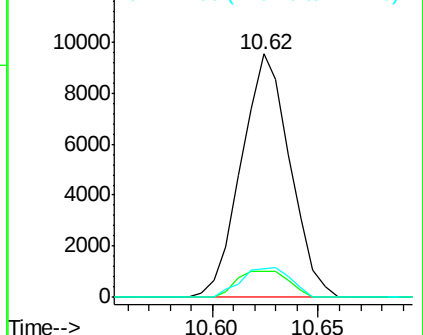
127 11.8 10.4 15.6



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: 1.04 ng/ul

RT: 12.24 min Scan# 1626

Delta R.T. 0.01 min

Lab File: BG016185.D

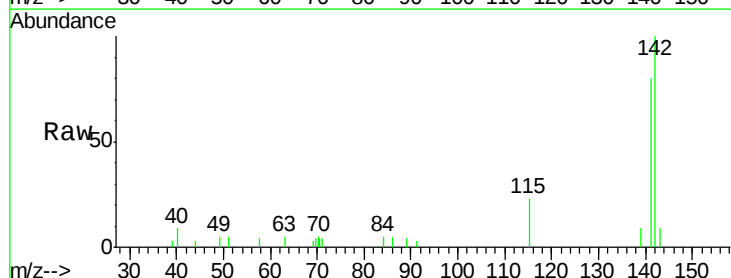
Acq: 27 Mar 2015 21:13

Tgt Ion:142 Resp: 9421

Ion Ratio Lower Upper

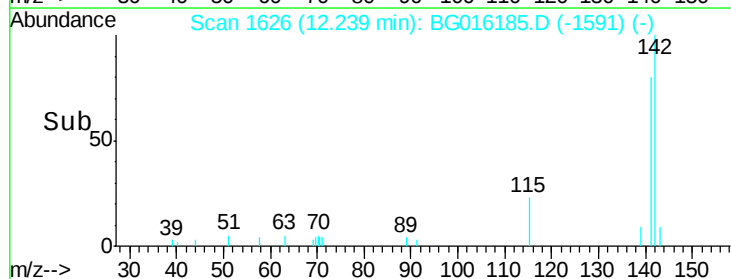
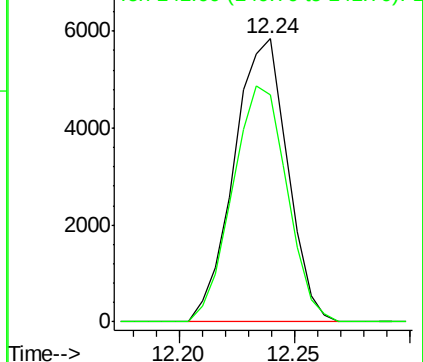
142 100

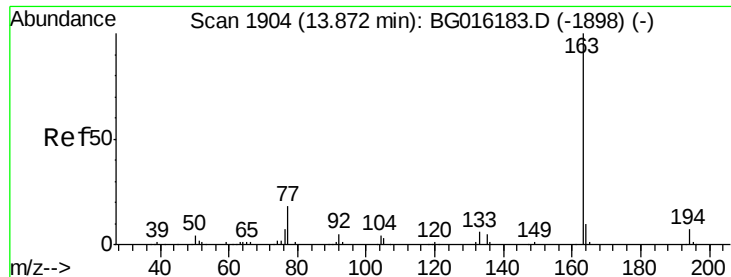
141 80.0 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 1.71 ng/ul

RT: 13.87 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

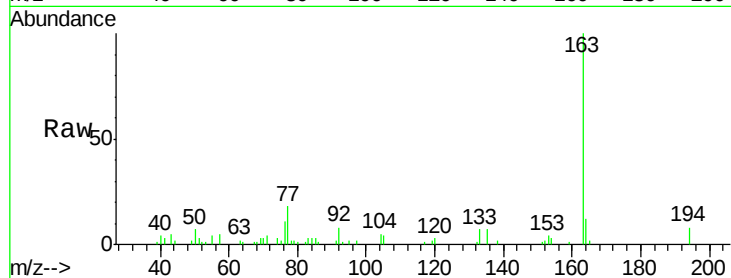
Tot Ion:163 Resp: 17793

Ion Ratio Lower Upper

163 100

194 7.5 5.4 8.0

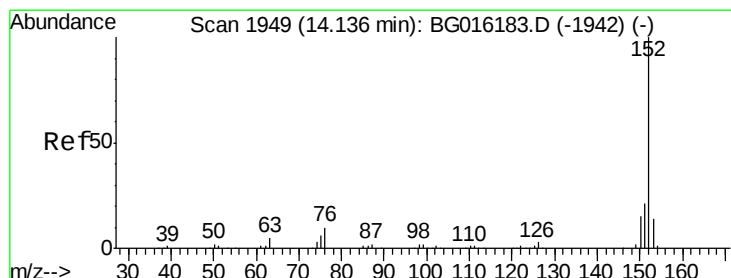
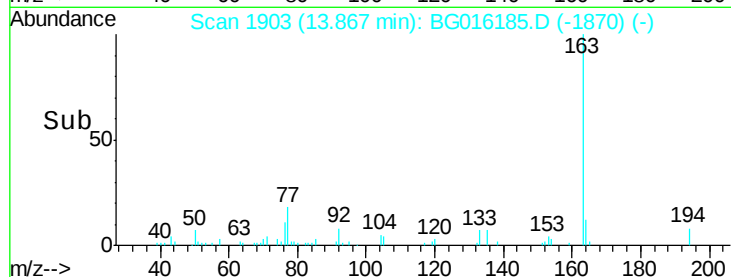
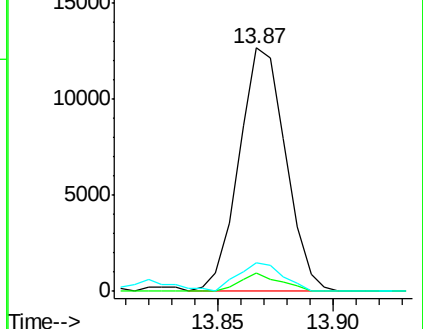
164 11.8 8.2 12.4



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



#47

Acenaphthylene

Concen: 1.39 ng/ul

RT: 14.14 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

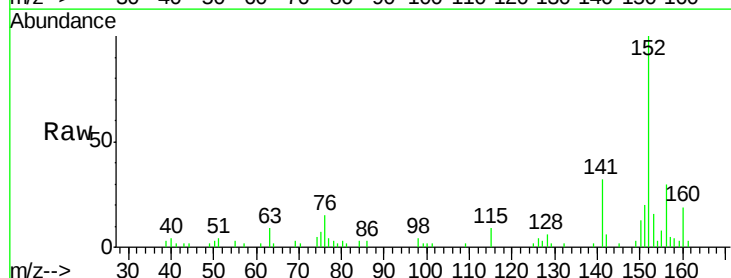
Tgt Ion:152 Resp: 19936

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

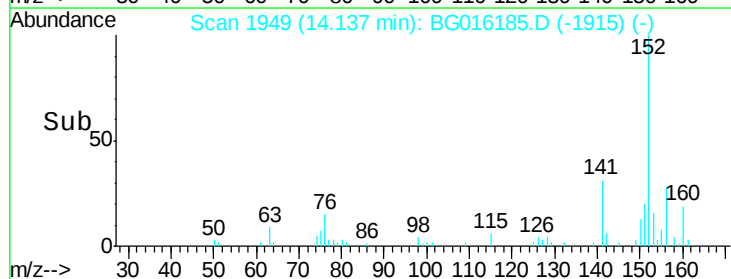
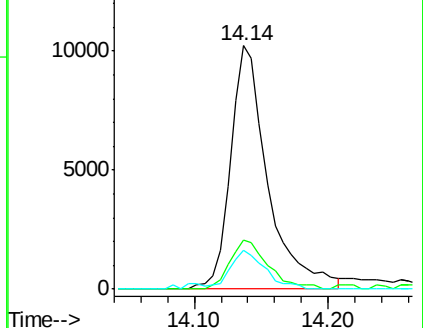
153 16.1 11.0 16.6

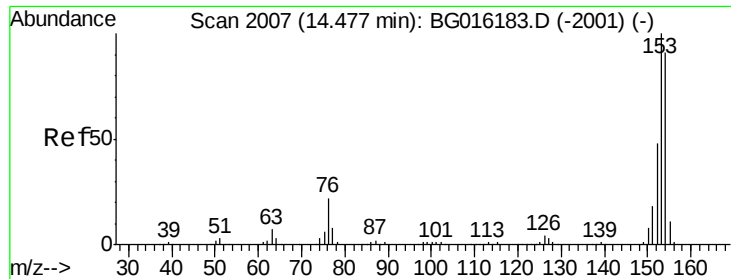


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 5.36 ng/ul

RT: 14.48 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

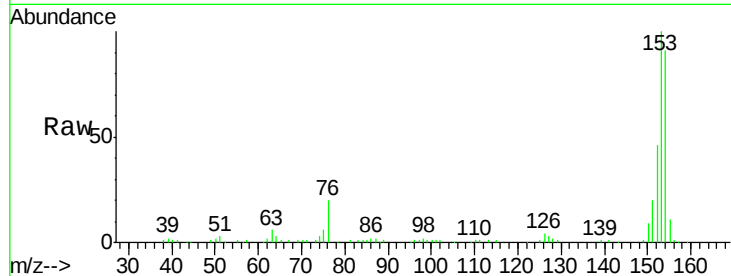
Tot Ion:153 Resp: 51277

Ion Ratio Lower Upper

153 100

152 45.9 37.4 56.2

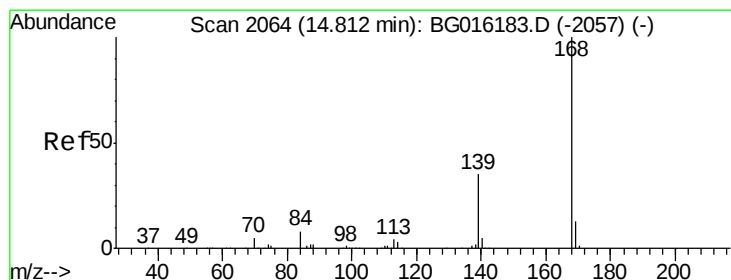
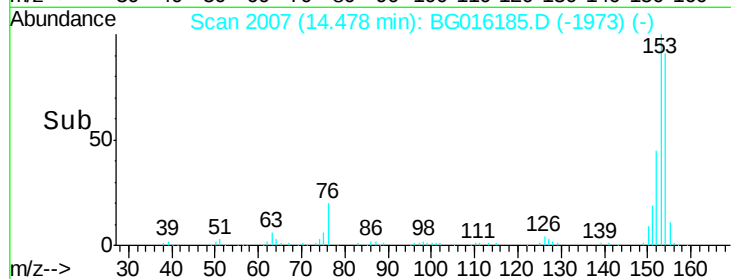
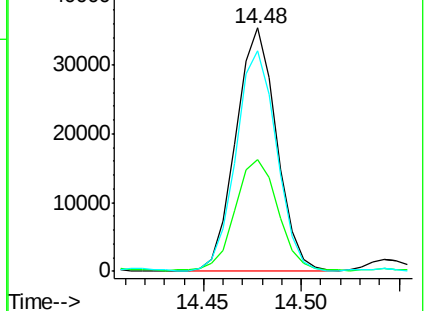
154 90.7 74.4 111.6



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: 6.30 ng/ul

RT: 14.81 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BG016185.D

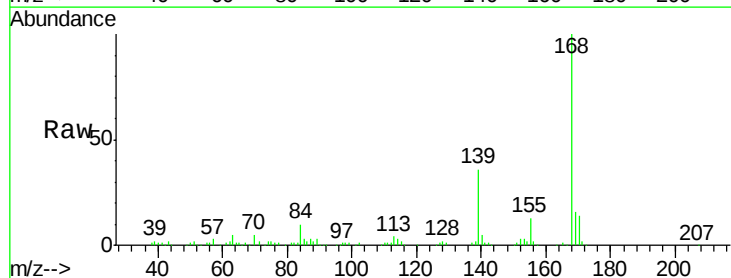
Acq: 27 Mar 2015 21:13

Tgt Ion:168 Resp: 81499

Ion Ratio Lower Upper

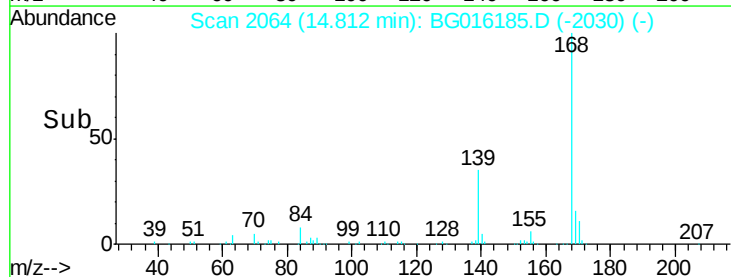
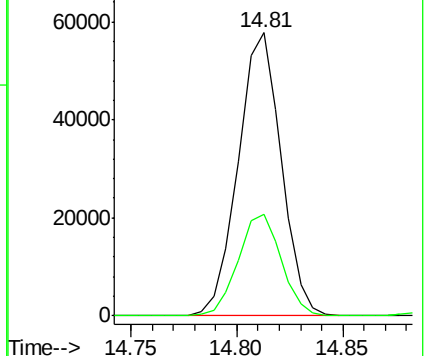
168 100

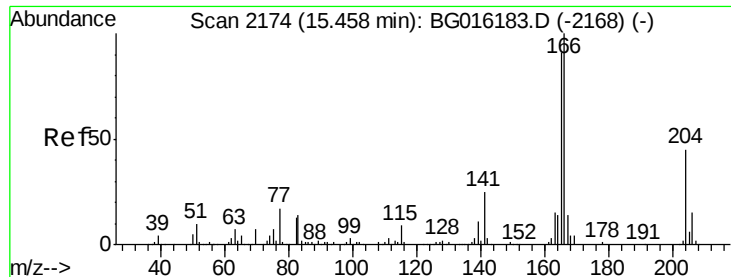
139 35.9 29.1 43.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 8.53 ng/ul

RT: 15.46 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

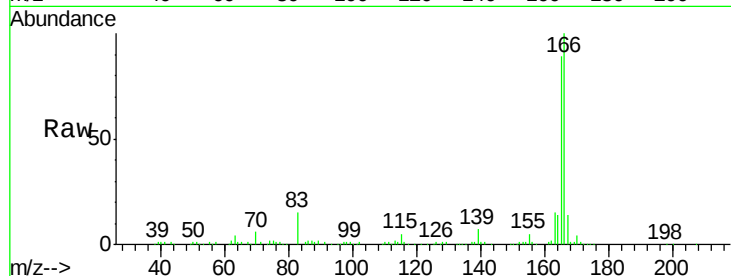
Tot Ion:166 Resp: 96274

Ion Ratio Lower Upper

166 100

165 89.1 76.1 114.1

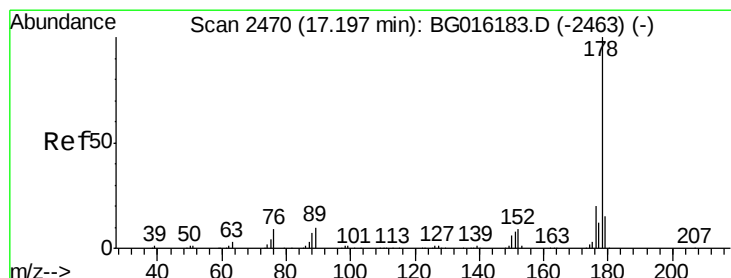
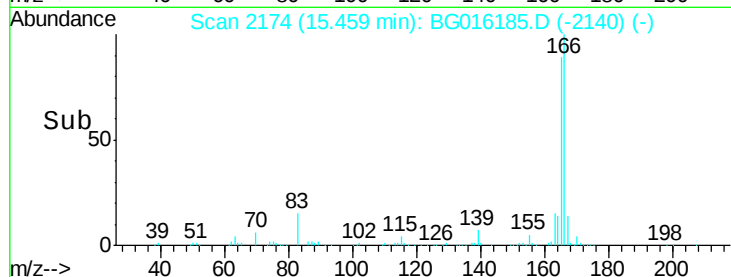
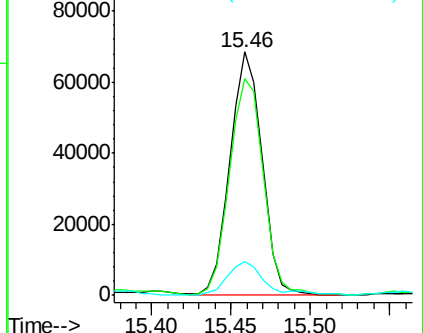
167 13.8 10.5 15.7



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: 44.47 ng/ul

RT: 17.20 min Scan# 2470

Delta R.T. 0.00 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

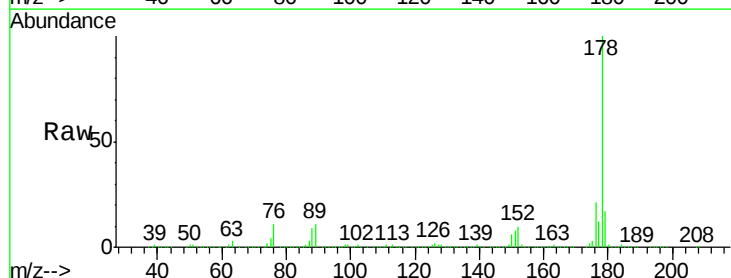
Tgt Ion:178 Resp: 723563

Ion Ratio Lower Upper

178 100

179 16.7 12.8 19.2

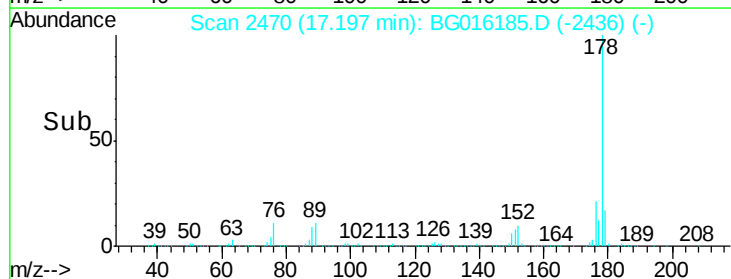
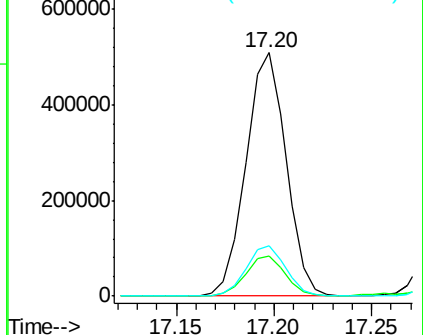
176 20.6 15.6 23.4

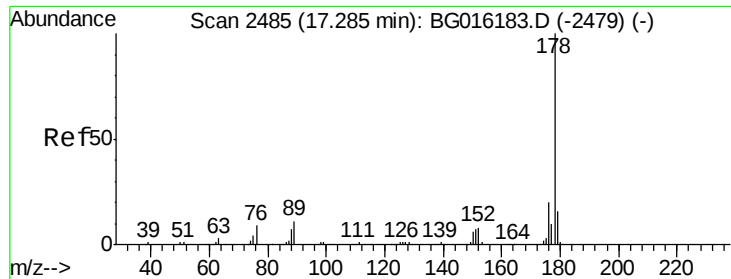


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

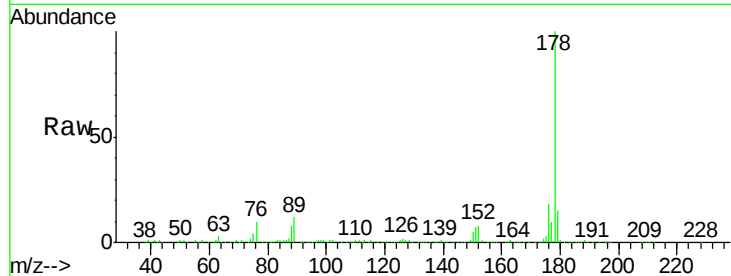




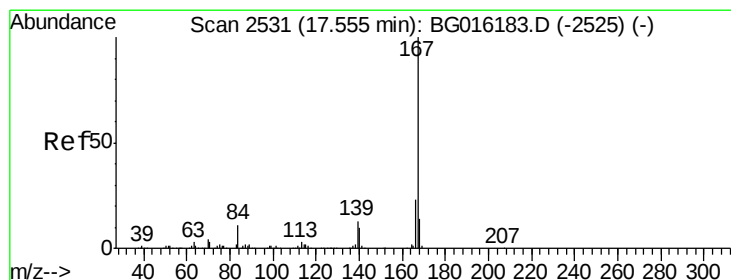
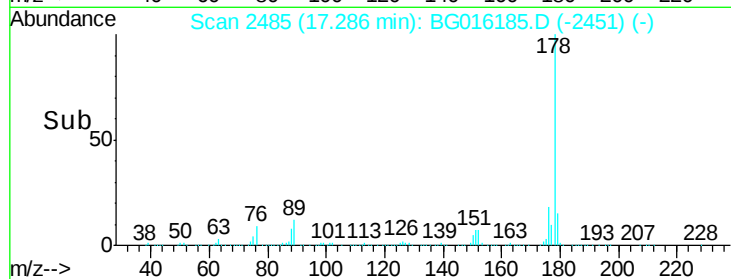
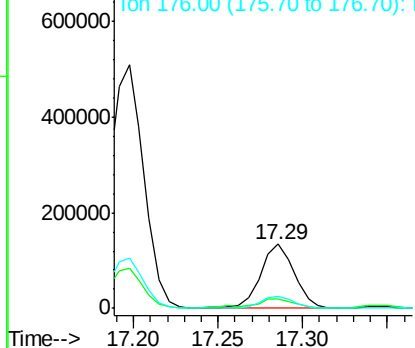
#71
 Anthracene
 Concen: 11.13 ng/ul
 RT: 17.29 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BG016185.D
 Acq: 27 Mar 2015 21:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:178 Resp: 183813
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.7 19.1
 176 18.2 15.3 22.9

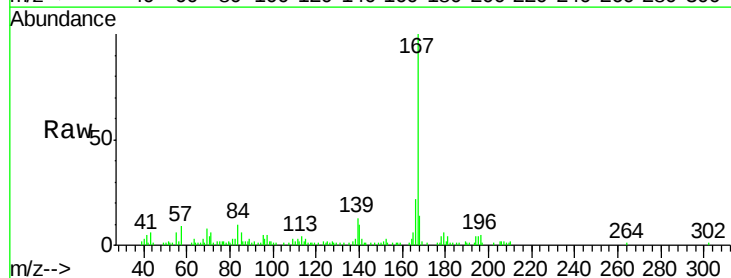


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

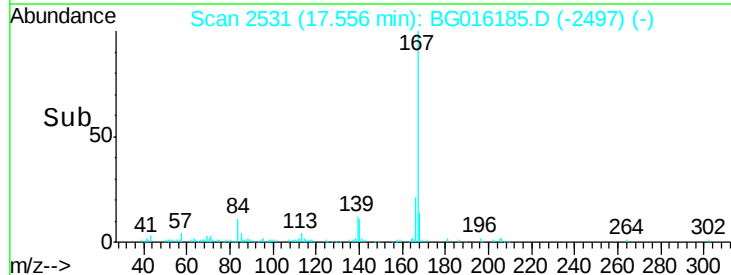
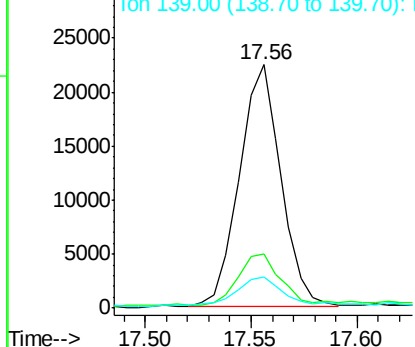


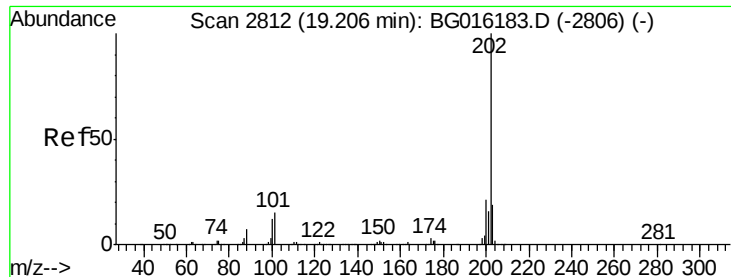
#72
 Carbazole
 Concen: 1.92 ng/ul
 RT: 17.56 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: BG016185.D
 Acq: 27 Mar 2015 21:13

Tgt Ion:167 Resp: 30460
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.2 27.2
 139 12.6 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: 54.34 ng/ul

RT: 19.21 min Scan# 2813

Delta R.T. 0.01 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

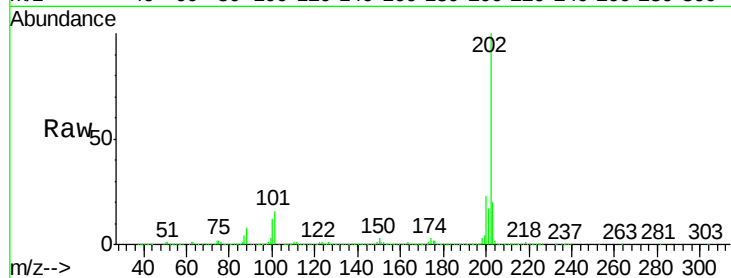
Tot Ion:202 Resp: 999642

Ion Ratio Lower Upper

202 100

101 16.2 12.9 19.3

100 12.4 9.4 14.2

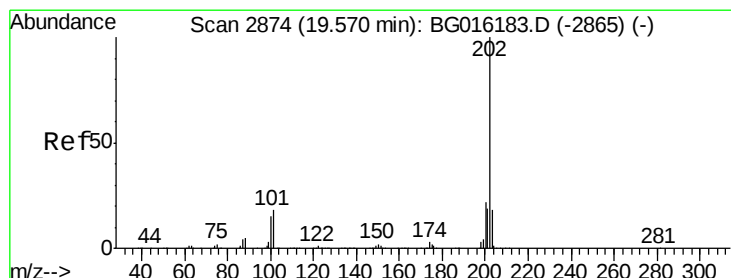
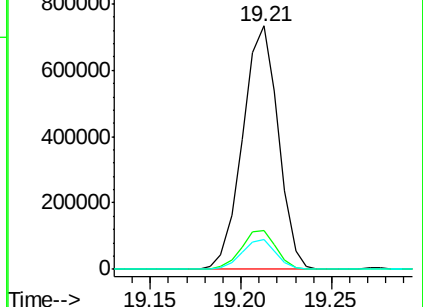
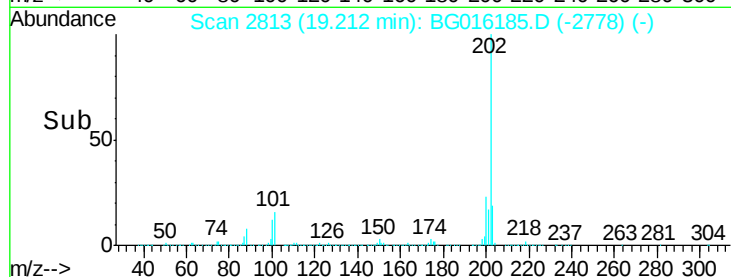


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



#77

Pyrene

Concen: 45.98 ng/ul

RT: 19.57 min Scan# 2874

Delta R.T. 0.00 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

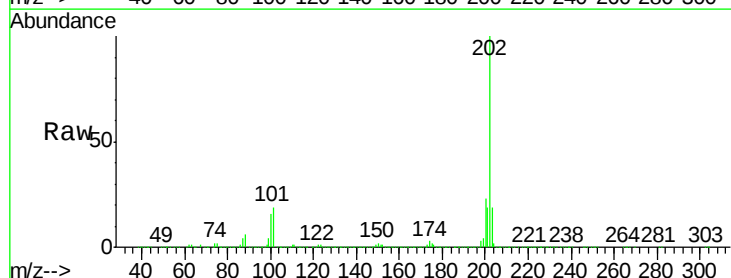
Tgt Ion:202 Resp: 820768

Ion Ratio Lower Upper

202 100

101 19.2 14.6 21.8

100 15.8 12.1 18.1

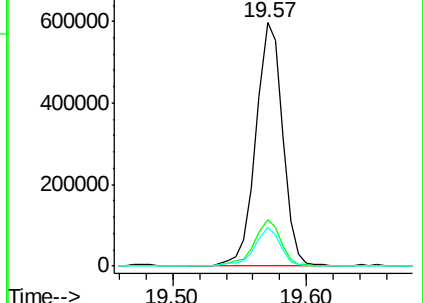
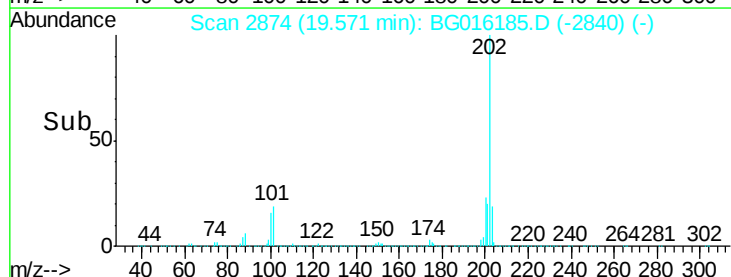


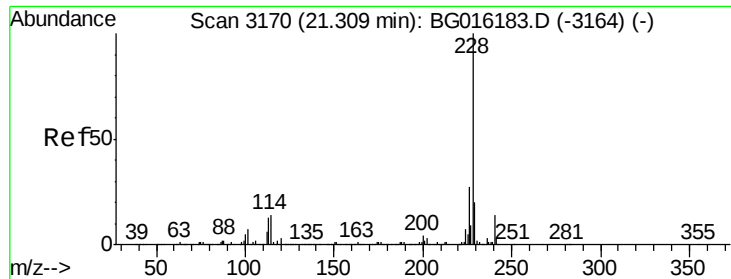
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->

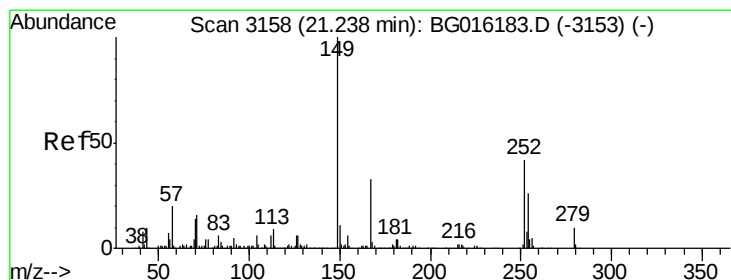
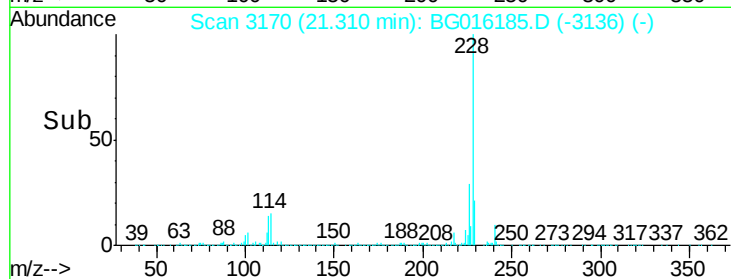
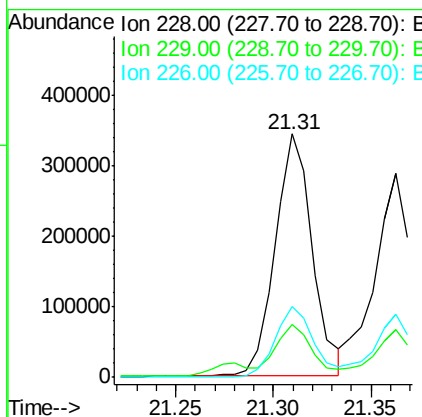
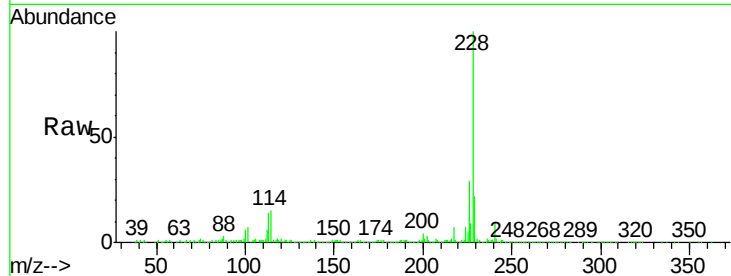




#80
Benzo(a)anthracene
Concen: 27.52 ng/ul
RT: 21.31 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BG016185.D
Acq: 27 Mar 2015 21:13

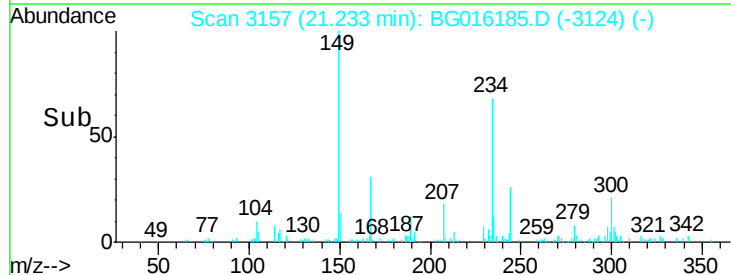
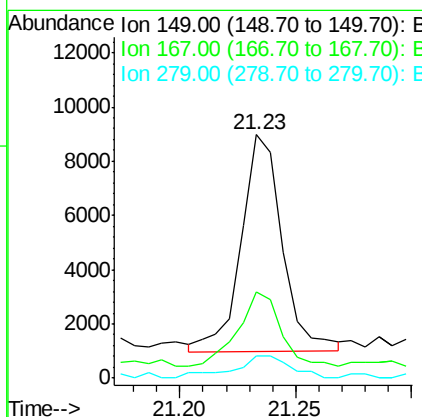
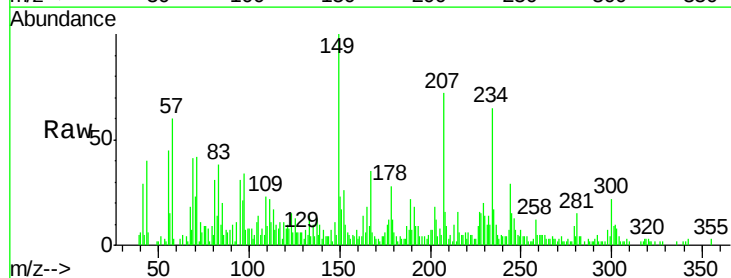
Instrument :
BNA_G
ClientSampleId :

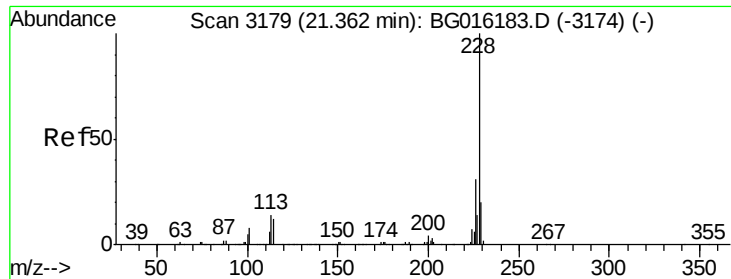
Tot Ion	Ratio	Lower	Upper
228	100		
229	22.0	16.2	24.4
226	29.1	22.4	33.6



#81
Bis(2-ethylhexyl)phthalate
Concen: 1.01 ng/ul
RT: 21.23 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BG016185.D
Acq: 27 Mar 2015 21:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	35.4	26.6	39.8
279	9.4	6.5	9.7





#82

Chrysene

Concen: 24.07 ng/ul

RT: 21.36 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

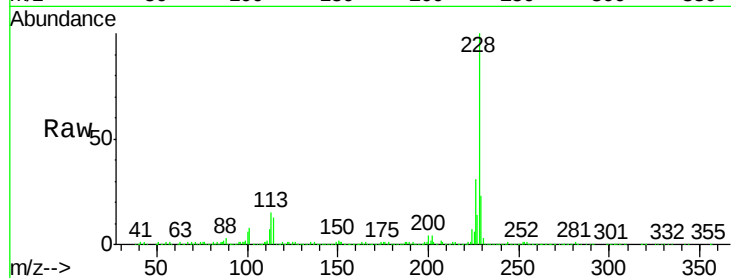
Tot Ion:228 Resp: 376474

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

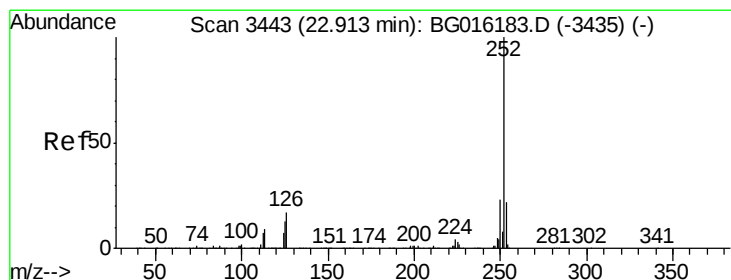
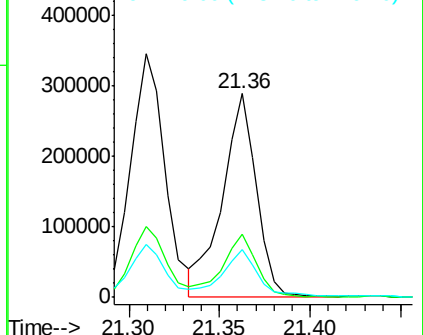
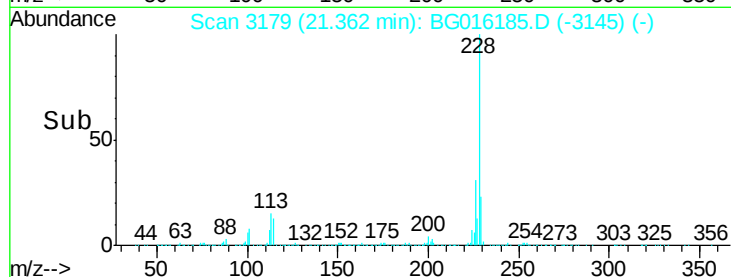
229 23.3 16.6 25.0



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: 26.50 ng/ul

RT: 22.92 min Scan# 3444

Delta R.T. 0.01 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

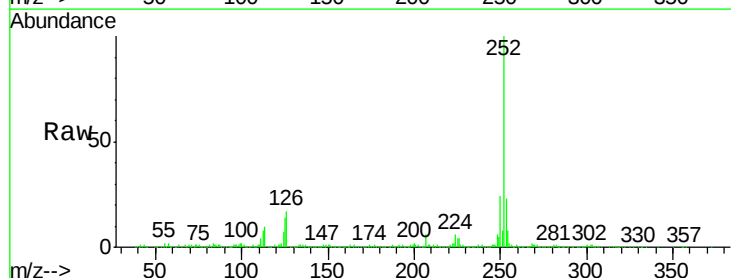
Tgt Ion:252 Resp: 447917

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

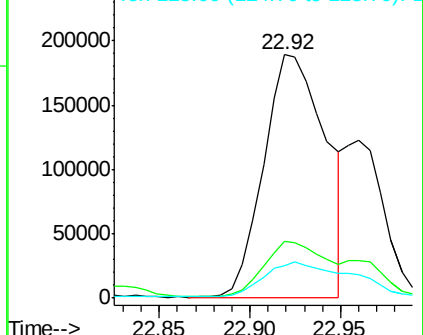
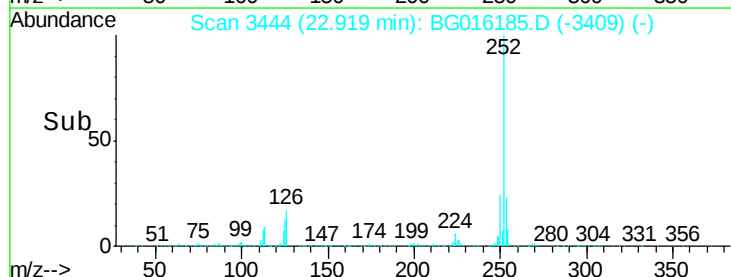
125 13.6 11.0 16.6

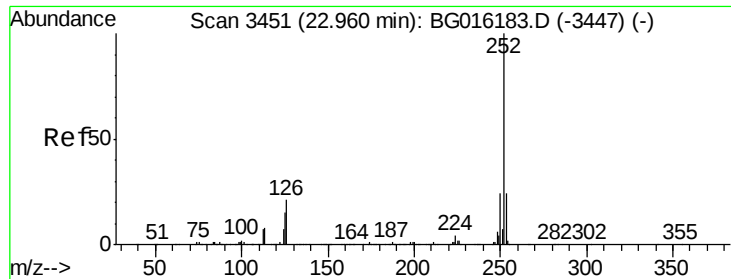


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

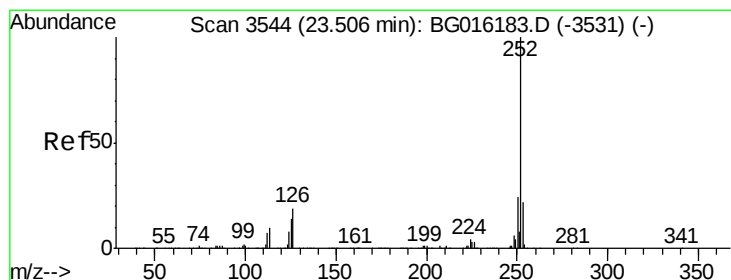
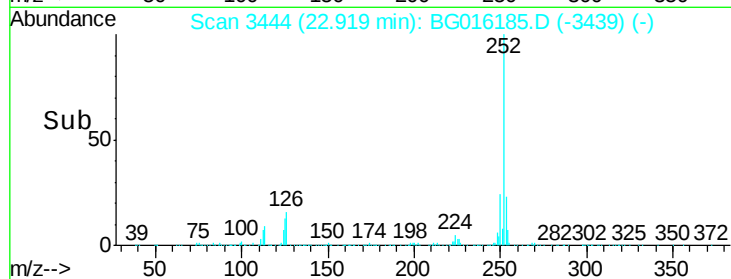
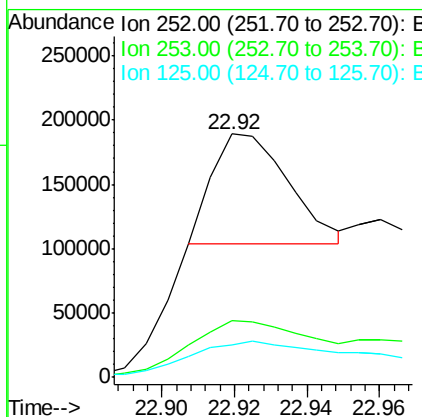
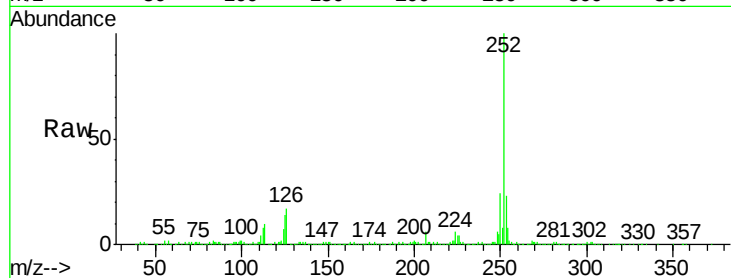




#86
Benzo(k)fluoranthene
Concen: 7.38 ng/ul
RT: 22.92 min Scan# 3444
Delta R.T. -0.04 min
Lab File: BG016185.D
Acq: 27 Mar 2015 21:13

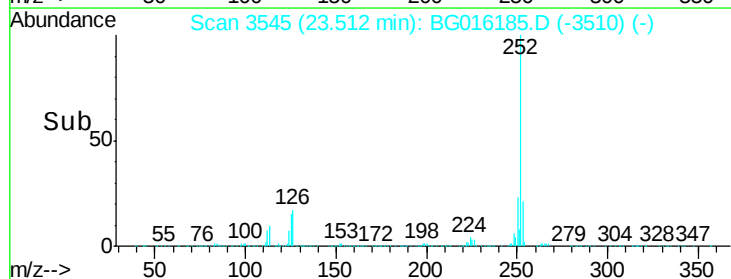
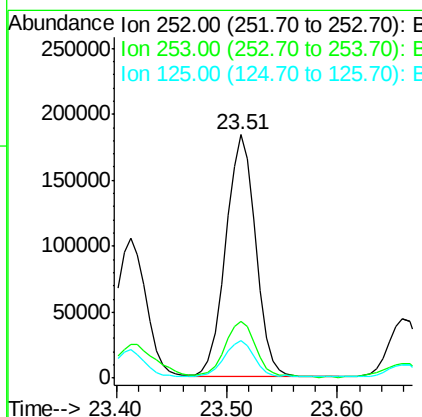
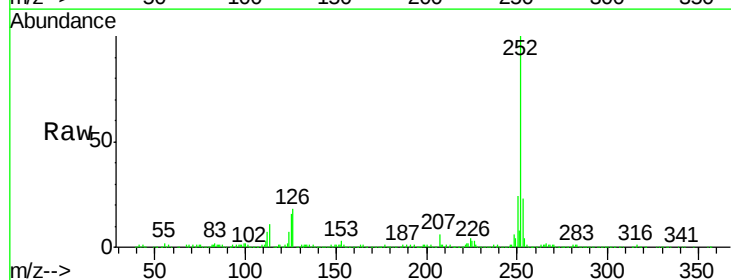
Instrument :
BNA_G
ClientSampleId :

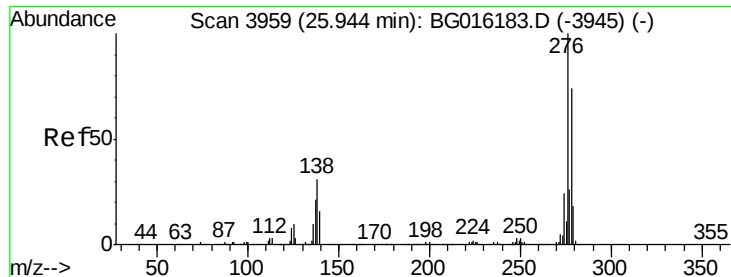
Tot Ion:252 Resp: 123209
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 13.6 10.7 16.1



#88
Benzo(a)pyrene
Concen: 20.60 ng/ul
RT: 23.51 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BG016185.D
Acq: 27 Mar 2015 21:13

Tgt Ion:252 Resp: 346820
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 15.6 11.5 17.3





#89

Indeno(1,2,3-cd)pyrene

Concen: 10.15 ng/ul

RT: 25.94 min Scan# 3959

Delta R.T. 0.00 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

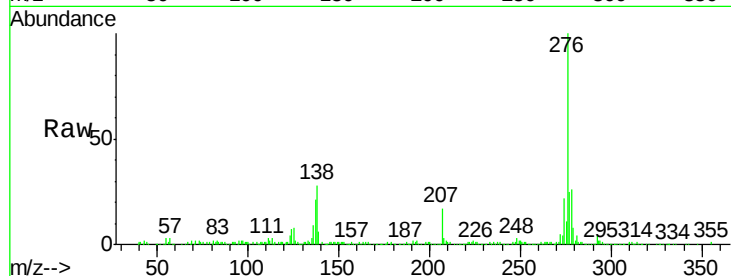
Tot Ion:276 Resp: 197774

Ion Ratio Lower Upper

276 100

138 28.2 26.1 39.1

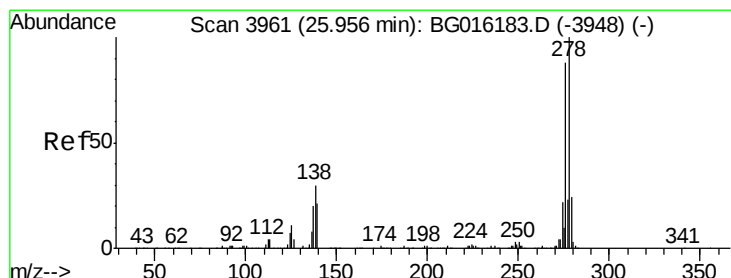
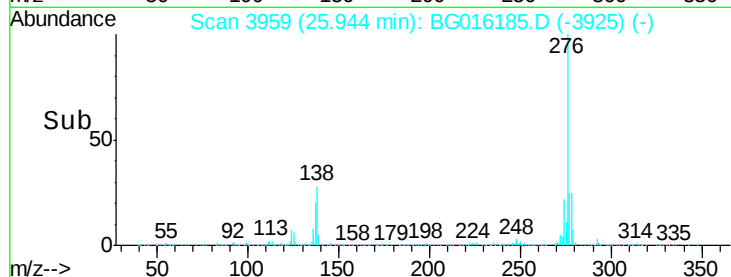
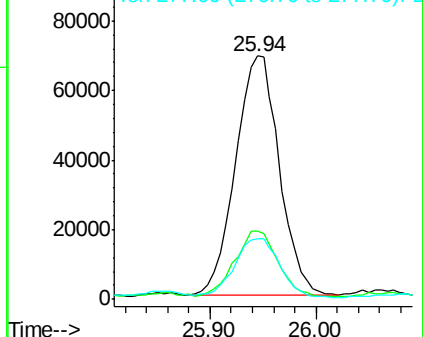
277 25.1 20.0 30.0



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: 3.42 ng/ul

RT: 25.95 min Scan# 3960

Delta R.T. -0.01 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

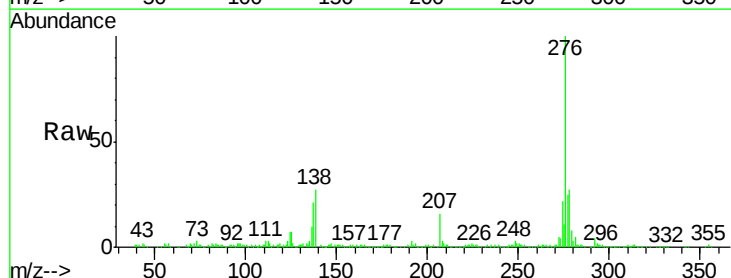
Tgt Ion:278 Resp: 55922

Ion Ratio Lower Upper

278 100

139 0.0 17.8 26.6#

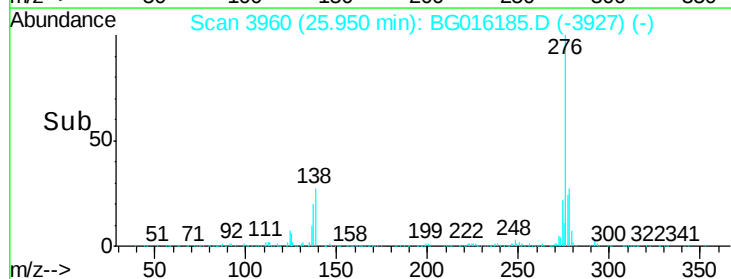
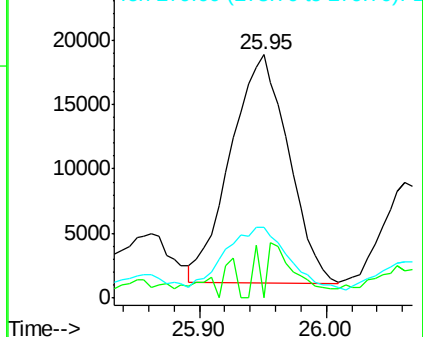
279 28.8 19.3 28.9

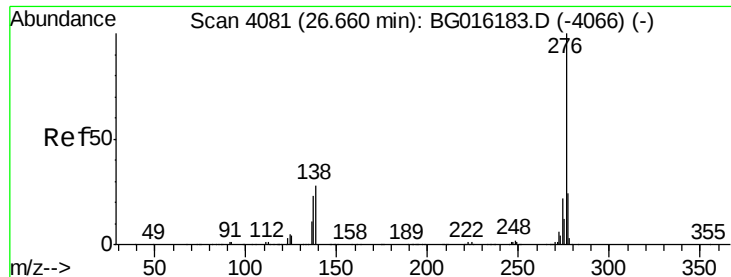


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 9.01 ng/ul

RT: 26.67 min Scan# 4082

Delta R.T. 0.01 min

Lab File: BG016185.D

Acq: 27 Mar 2015 21:13

Instrument :

BNA_G

ClientSampleId :

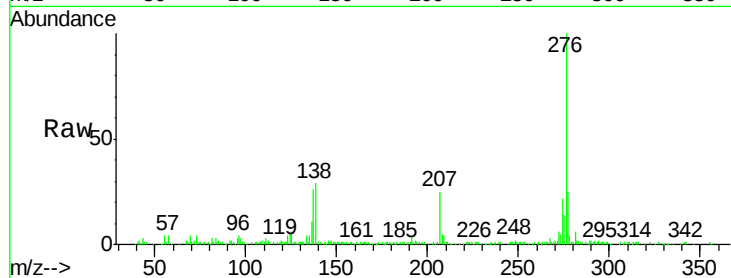
Tot Ion:276 Resp: 147567

Ion Ratio Lower Upper

276 100

138 29.2 22.0 33.0

277 25.5 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

