

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
 Data File : BG016191.D
 Acq On : 28 Mar 2015 00:40
 Operator : TP/IZ
 Sample : G1647-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC7

Quant Time: Mar 28 06:10:07 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	64928	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	284651	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	164412	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	316969	20.00	ng/ul	0.00
75) Chrysene-d12	21.33	240	325325	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	333109	20.00	ng/ul	0.02

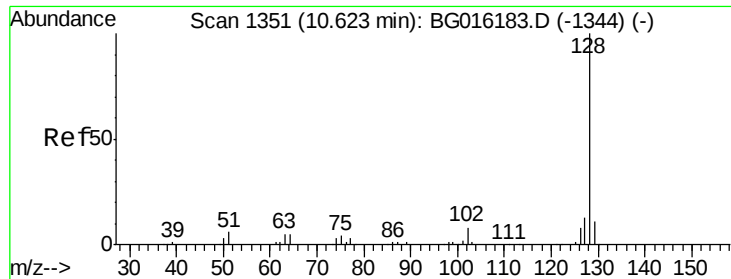
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.96	99	163322	28.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	87503	27.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	128583	28.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	123058	28.06	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	67716	29.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	71930	33.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	111331	27.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	149940	27.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	302964	28.26	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	415481	27.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	58067	22.68	ng/ul	0.00
57) Fluorene-d10	15.41	176	276758	25.82	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	23049	13.91	ng/ul	0.00
70) Anthracene-d10	17.26	188	380811	26.30	ng/ul	0.00
76) Pyrene-d10	19.55	212	386917	26.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	365266	25.14	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.62	128	30818	2.01	ng/ul	98
34) 2-Methylnaphthalene	12.24	142	18283	1.68	ng/ul	95
44) Dimethylphthalate	13.87	163	27478	2.26	ng/ul	99
49) Acenaphthene	14.48	153	42895	3.83	ng/ul	98
53) Dibenzofuran	14.81	168	40804	2.70	ng/ul	99
58) Fluorene	15.46	166	65665	4.97	ng/ul	98
69) Phenanthrene	17.20	178	854131	47.40	ng/ul	97
71) Anthracene	17.29	178	303588	16.60	ng/ul	100
72) Carbazole	17.56	167	49199	2.80	ng/ul	99
74) Fluoranthene	19.22	202	2818926	138.38	ng/ul#	80
77) Pyrene	19.59	202	2537361	126.76	ng/ul#	84
80) Benzo(a)anthracene	21.32	228	1701008	92.29	ng/ul#	87
82) Chrysene	21.37	228	1399500	79.81	ng/ul#	91
85) Benzo(b)fluoranthene	22.94	252	2031921	106.27	ng/ul	93
86) Benzo(k)fluoranthene	22.98	252	735489	38.95	ng/ul	94
88) Benzo(a)pyrene	23.53	252	1592001	83.56	ng/ul	93
89) Indeno(1,2,3-cd)pyrene	25.97	276	1004089	45.55	ng/ul	94
90) Dibenzo(a,h)anthracene	25.98	278	267463	14.48	ng/ul#	75
91) Benzo(g,h,i)perylene	26.70	276	732380	39.54	ng/ul	98

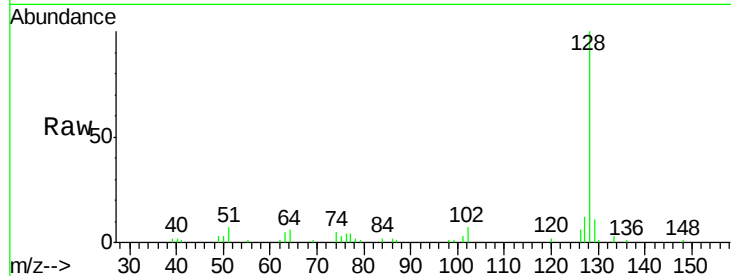
(#) = qualifier out of range (m) = manual integration (+) = signals summed



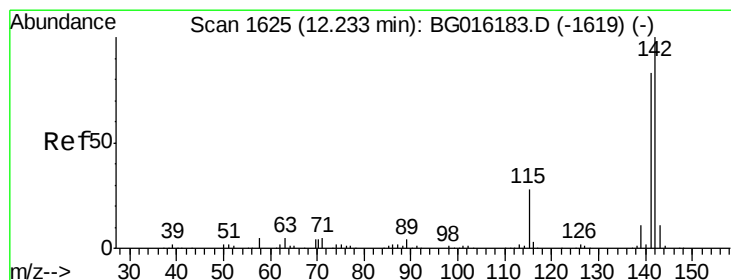
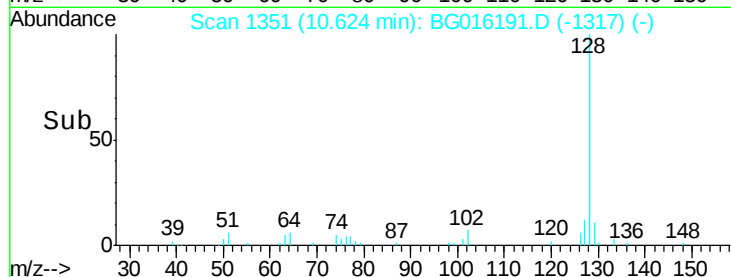
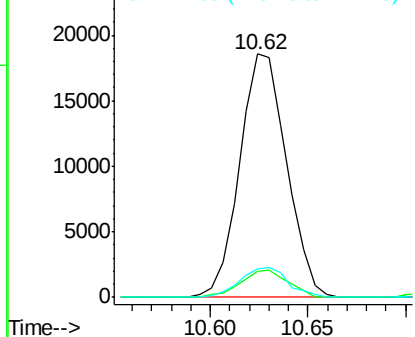
#28
Naphthalene
Concen: 2.01 ng/ul
RT: 10.62 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BG016191.D
Acq: 28 Mar 2015 00:40

Instrument :
BNA_G
ClientSampleId :
C0AC7

Tgt Ion:128 Resp: 30818
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.4
127 12.0 10.4 15.6

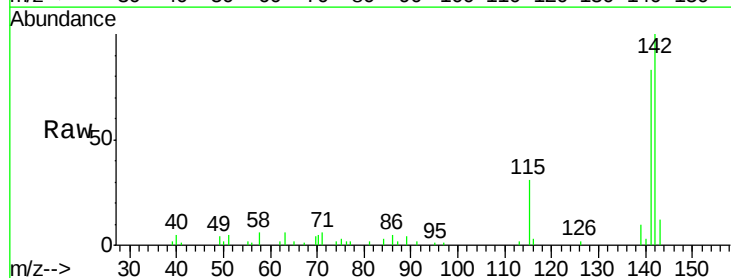


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

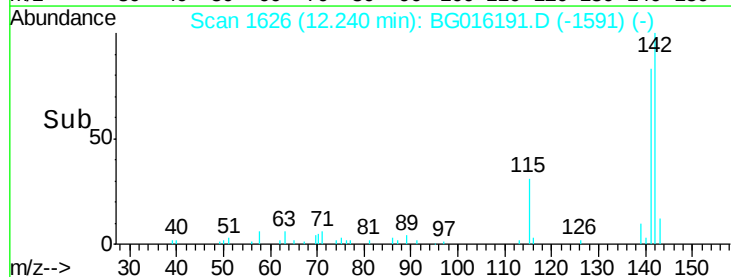
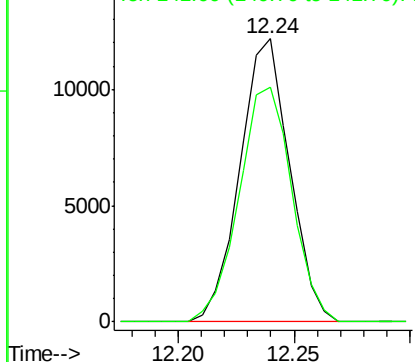


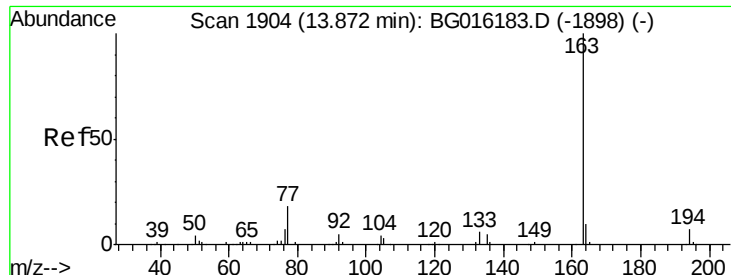
#34
2-Methylnaphthalene
Concen: 1.68 ng/ul
RT: 12.24 min Scan# 1626
Delta R.T. 0.01 min
Lab File: BG016191.D
Acq: 28 Mar 2015 00:40

Tgt Ion:142 Resp: 18283
Ion Ratio Lower Upper
142 100
141 83.0 70.2 105.2



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

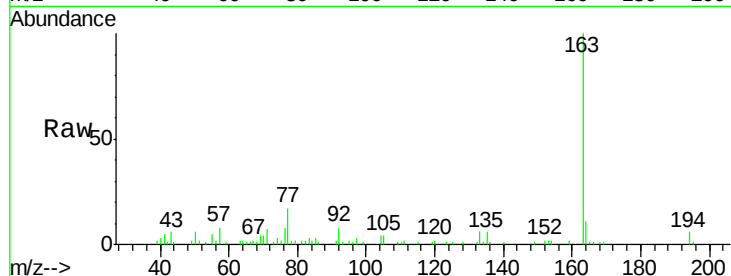




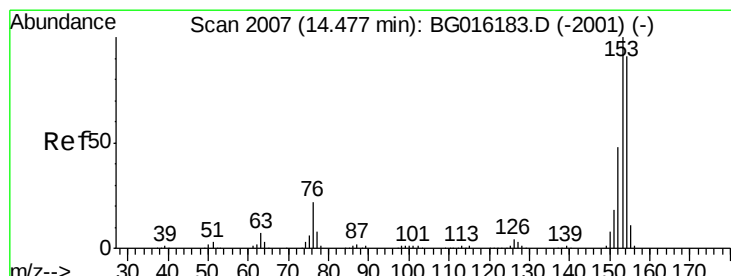
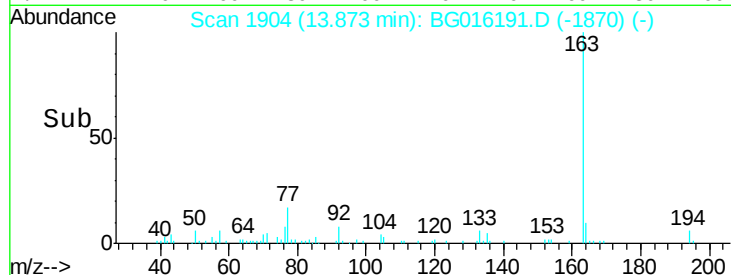
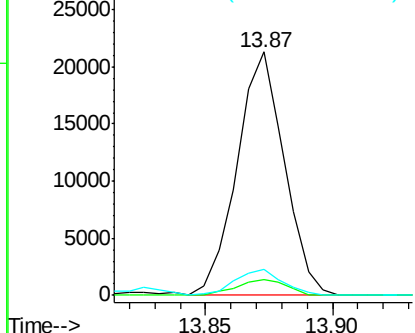
#44
Dimethylphthalate
Concen: 2.26 ng/ul
RT: 13.87 min Scan# 1904
Delta R.T. 0.00 min
Lab File: BG016191.D
Acq: 28 Mar 2015 00:40

Instrument :
BNA_G
ClientSampleId :
C0AC7

Tgt Ion:163 Resp: 27478
Ion Ratio Lower Upper
163 100
194 6.2 5.4 8.0
164 10.6 8.2 12.4

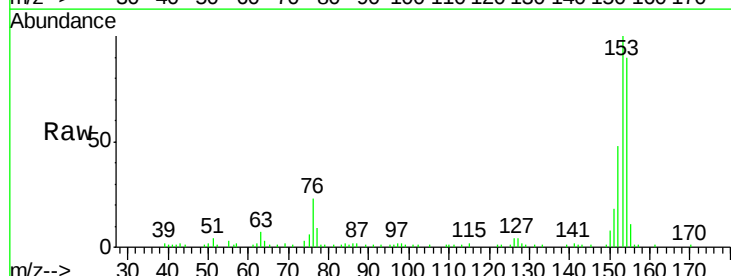


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

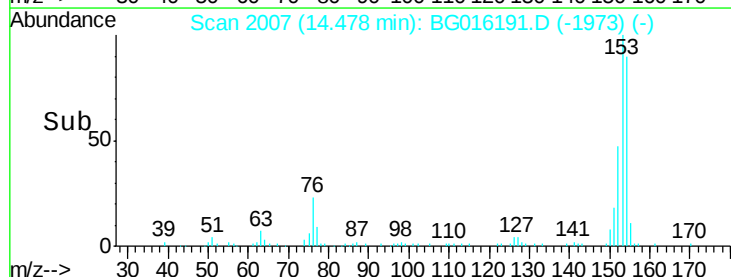
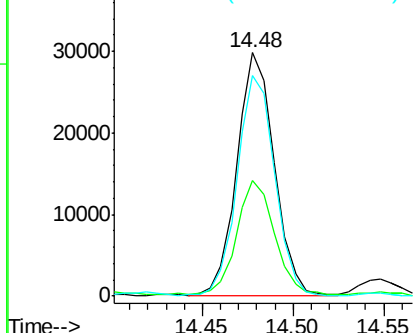


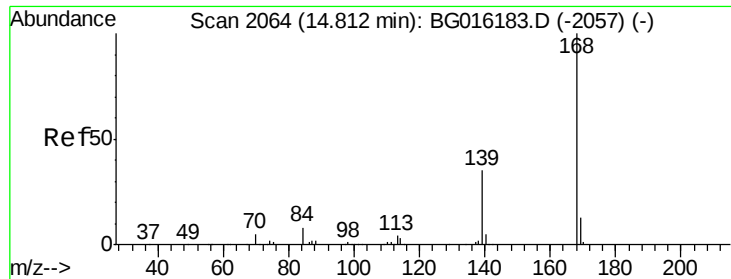
#49
Acenaphthene
Concen: 3.83 ng/ul
RT: 14.48 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BG016191.D
Acq: 28 Mar 2015 00:40

Tgt Ion:153 Resp: 42895
Ion Ratio Lower Upper
153 100
152 47.5 37.4 56.2
154 90.4 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

Dibenzenofuran

Concen: 2.70 ng/ul

RT: 14.81 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

Instrument :

BNA_G

ClientSampleId :

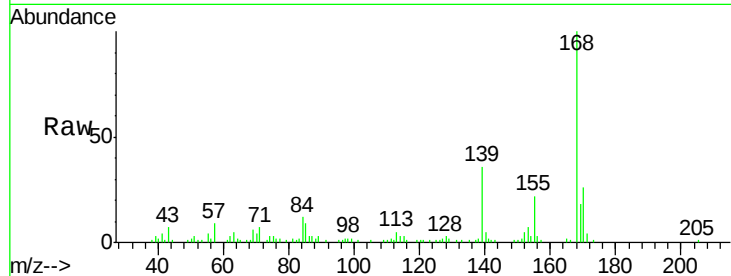
C0AC7

Tgt Ion:168 Resp: 40804

Ion Ratio Lower Upper

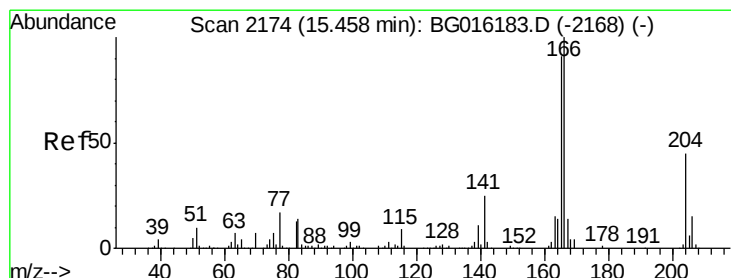
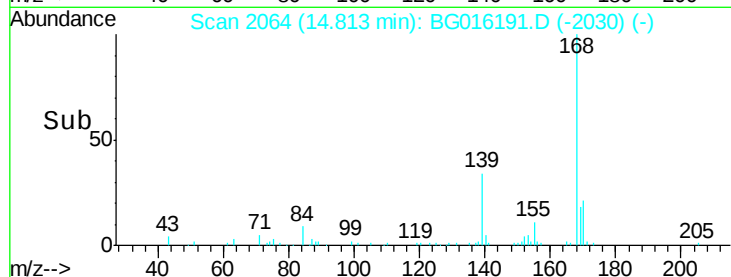
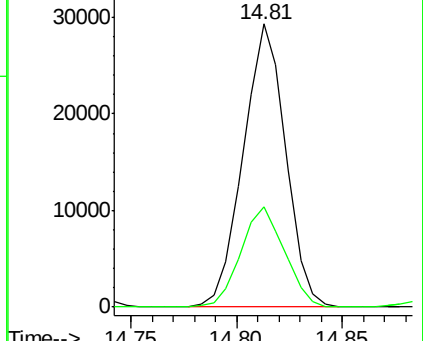
168 100

139 35.7 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: 4.97 ng/ul

RT: 15.46 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

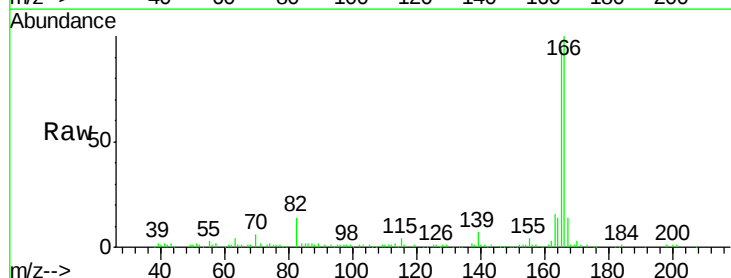
Tgt Ion:166 Resp: 65665

Ion Ratio Lower Upper

166 100

165 93.7 76.1 114.1

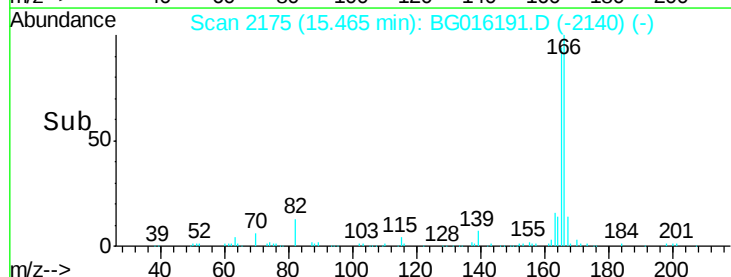
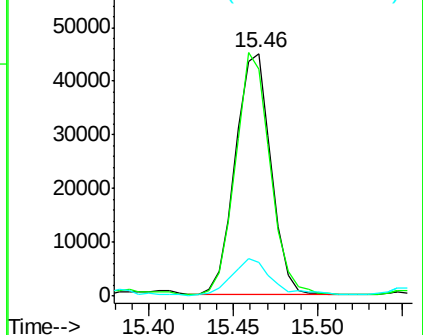
167 14.0 10.5 15.7

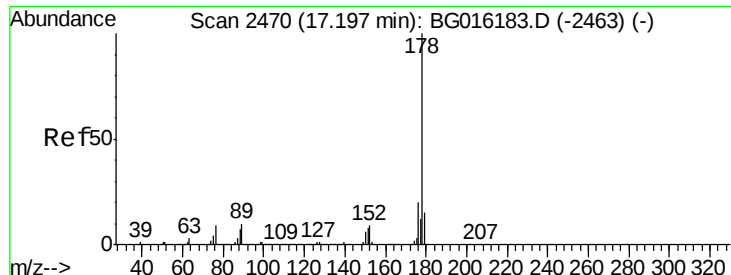


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 47.40 ng/ul

RT: 17.20 min Scan# 2470

Delta R.T. 0.00 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

Instrument :

BNA_G

ClientSampleId :

C0AC7

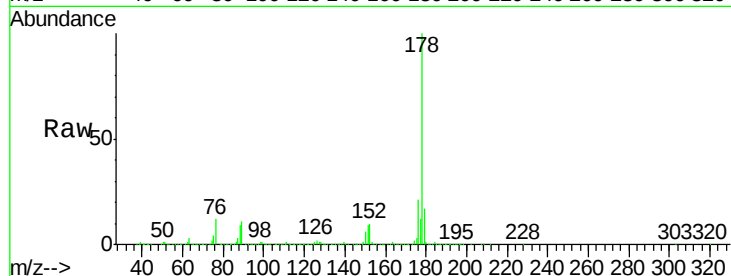
Tgt Ion:178 Resp: 854131

Ion Ratio Lower Upper

178 100

179 17.1 12.8 19.2

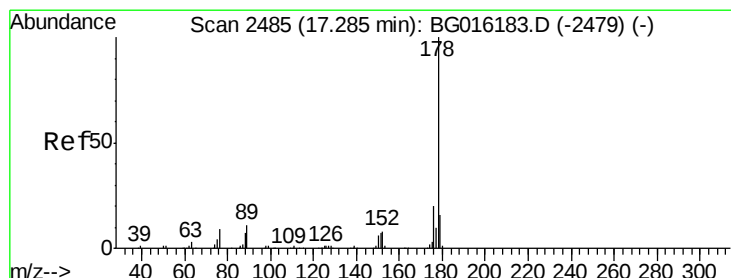
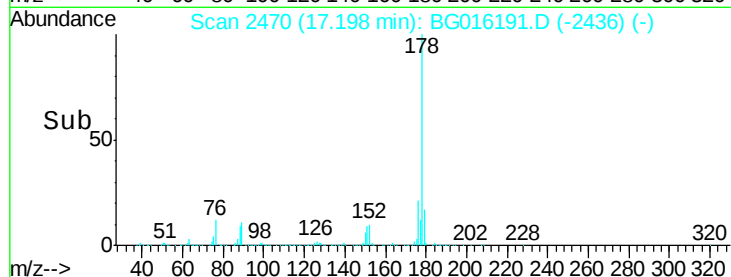
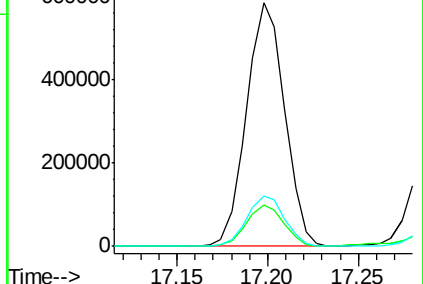
176 20.7 15.6 23.4



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: 16.60 ng/ul

RT: 17.29 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

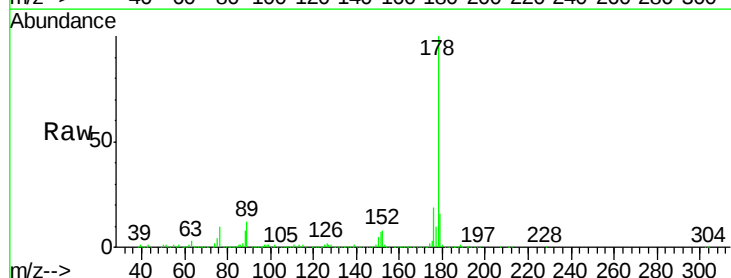
Tgt Ion:178 Resp: 303588

Ion Ratio Lower Upper

178 100

179 16.0 12.7 19.1

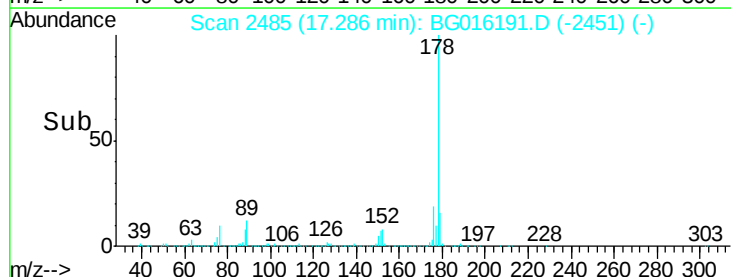
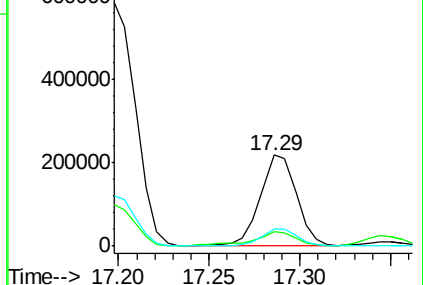
176 18.8 15.3 22.9

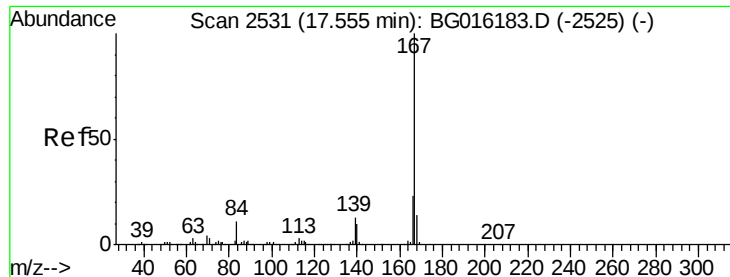


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.80 ng/ul

RT: 17.56 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

Instrument :

BNA_G

ClientSampleId :

C0AC7

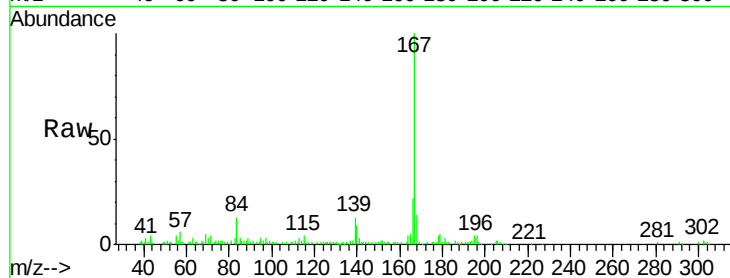
Tgt Ion:167 Resp: 49199

Ion Ratio Lower Upper

167 100

166 22.1 18.2 27.2

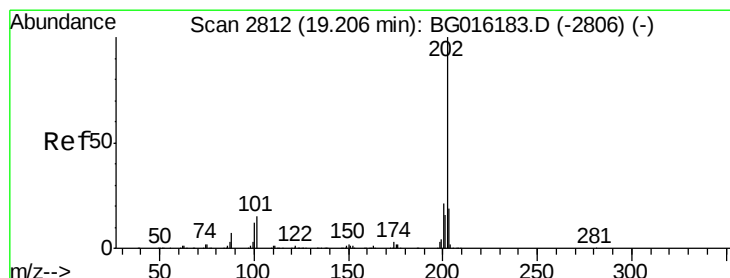
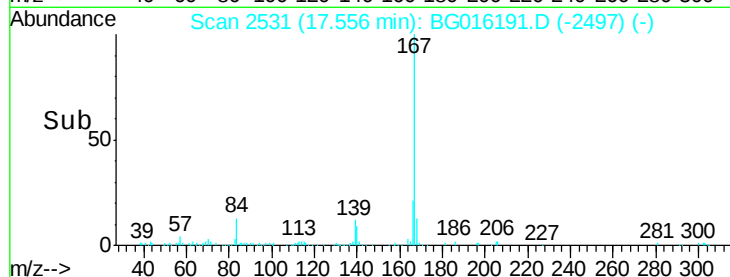
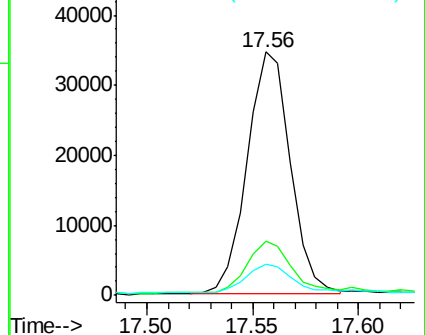
139 12.9 10.0 15.0



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: 138.38 ng/ul

RT: 19.22 min Scan# 2815

Delta R.T. 0.02 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

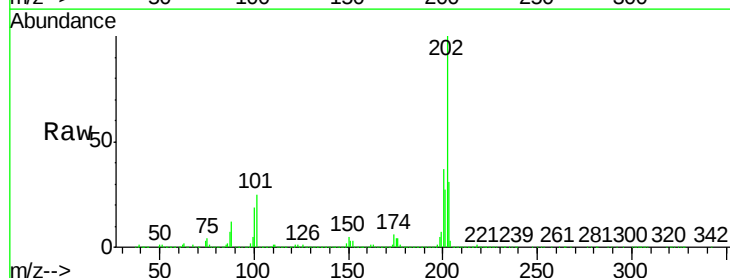
Tgt Ion:202 Resp: 2818926

Ion Ratio Lower Upper

202 100

101 25.1 12.9 19.3#

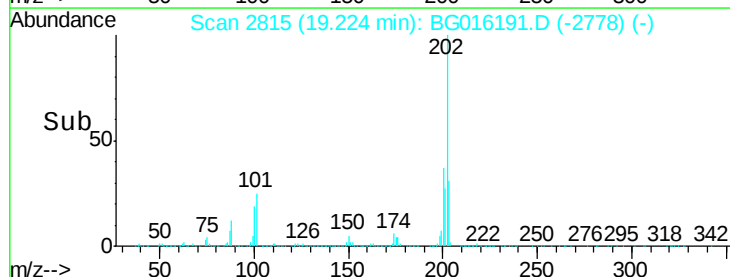
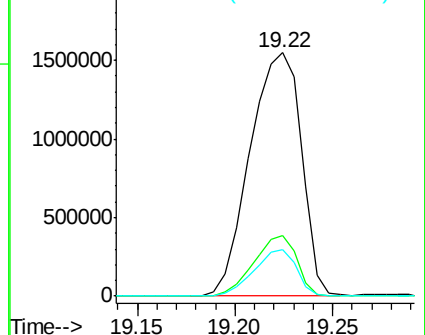
100 19.0 9.4 14.2#

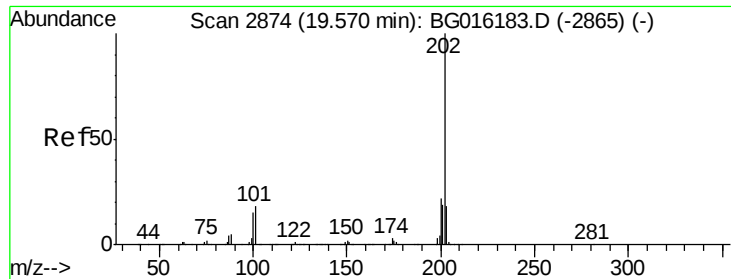


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

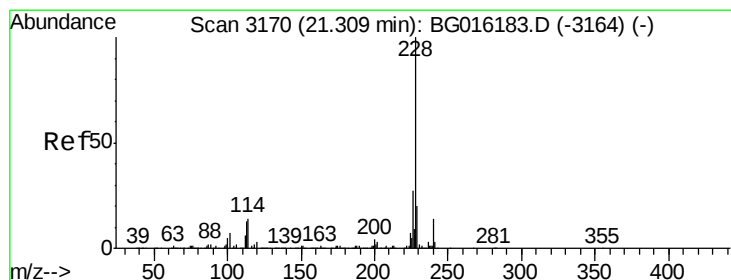
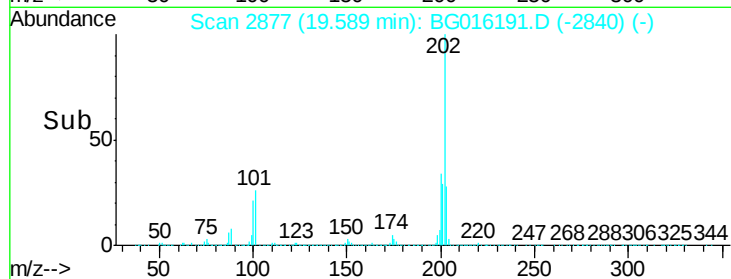
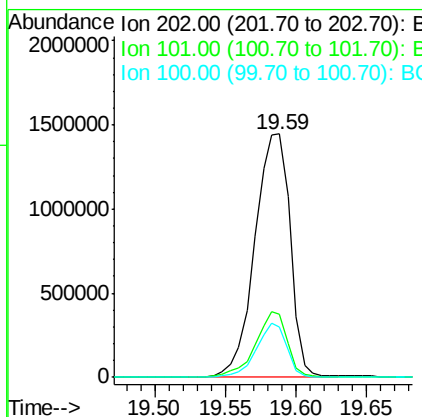
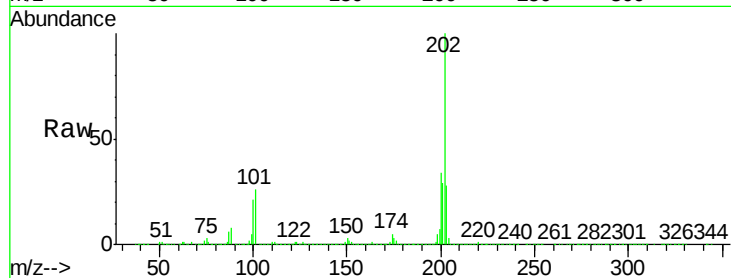




#77
 Pyrene
 Concen: 126.76 ng/ul
 RT: 19.59 min Scan# 2877
 Delta R.T. 0.02 min
 Lab File: BG016191.D
 Acq: 28 Mar 2015 00:40

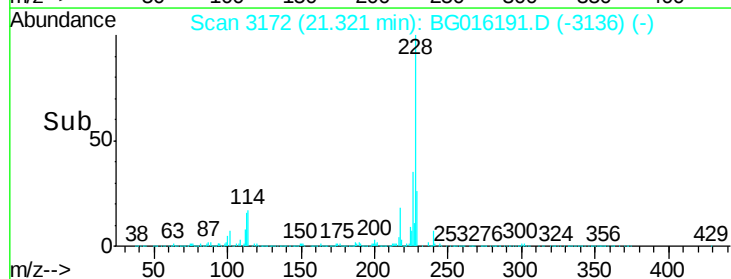
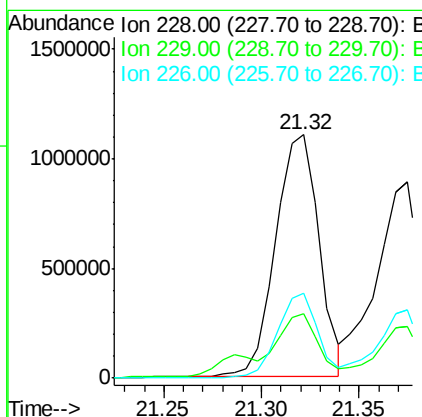
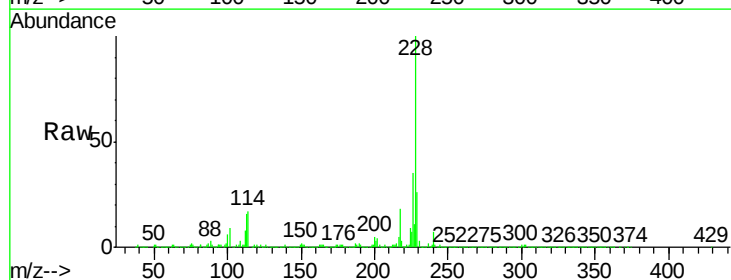
Instrument :
 BNA_G
 ClientSampleId :
 C0AC7

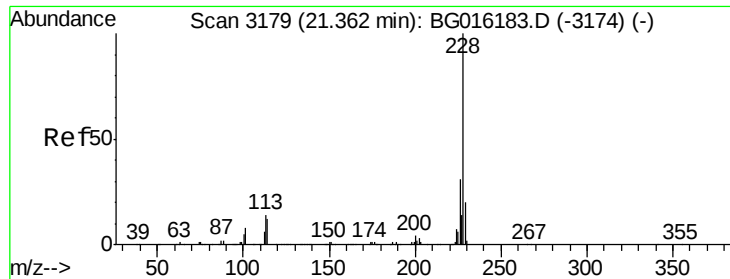
Tgt Ion:202 Resp: 2537361
 Ion Ratio Lower Upper
 202 100
 101 25.7 14.6 21.8#
 100 20.9 12.1 18.1#



#80
 Benzo(a)anthracene
 Concen: 92.29 ng/ul
 RT: 21.32 min Scan# 3172
 Delta R.T. 0.01 min
 Lab File: BG016191.D
 Acq: 28 Mar 2015 00:40

Tgt Ion:228 Resp: 1701008
 Ion Ratio Lower Upper
 228 100
 229 26.2 16.2 24.4#
 226 35.1 22.4 33.6#





#82

Chrysene

Concen: 79.81 ng/ul

RT: 21.37 min Scan# 3181

Delta R.T. 0.01 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

Instrument :

BNA_G

ClientSampleId :

C0AC7

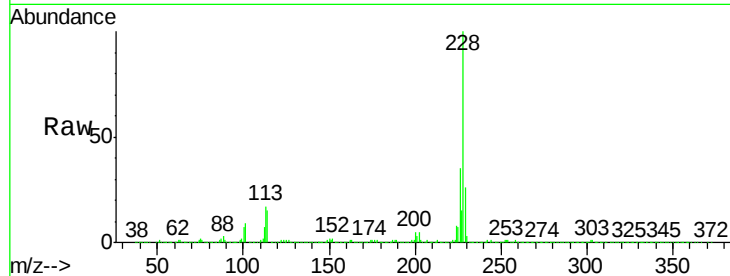
Tgt Ion:228 Resp: 1399500

Ion Ratio Lower Upper

228 100

226 34.7 24.6 36.8

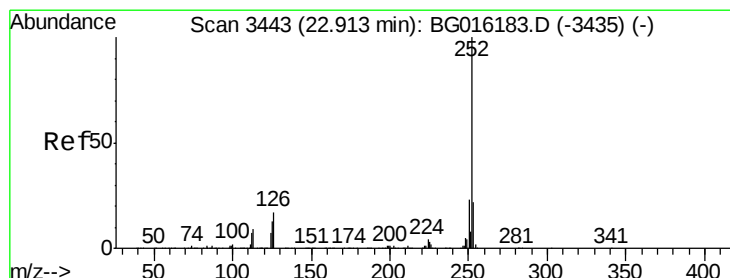
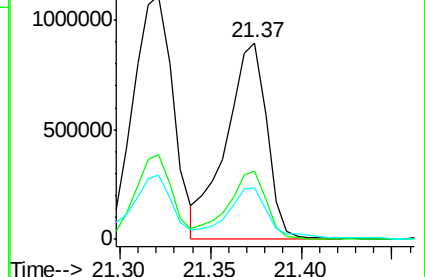
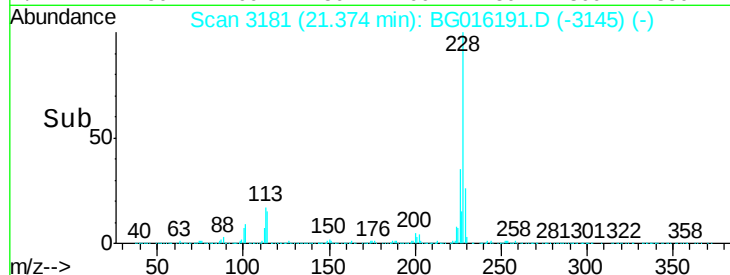
229 26.2 16.6 25.0#



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: 106.27 ng/ul

RT: 22.94 min Scan# 3447

Delta R.T. 0.02 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

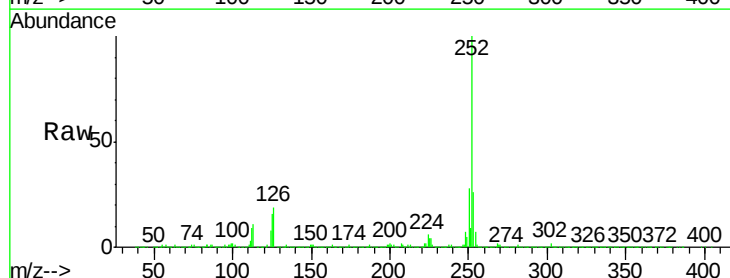
Tgt Ion:252 Resp: 2031921

Ion Ratio Lower Upper

252 100

253 25.8 17.9 26.9

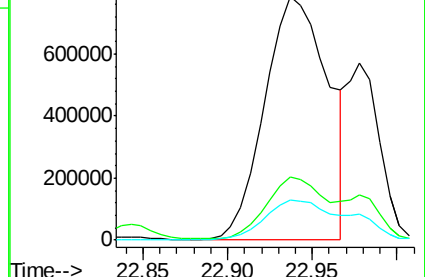
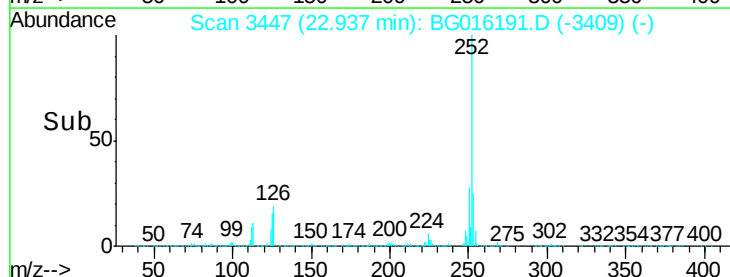
125 16.4 11.0 16.6

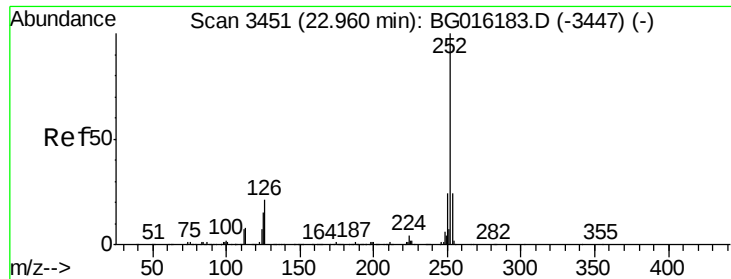


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 38.95 ng/ul

RT: 22.98 min Scan# 3454

Delta R.T. 0.02 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

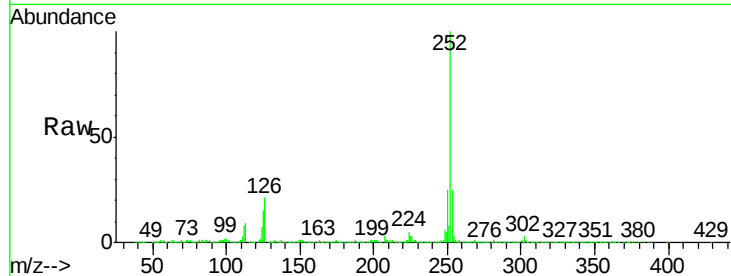
Instrument :

BNA_G

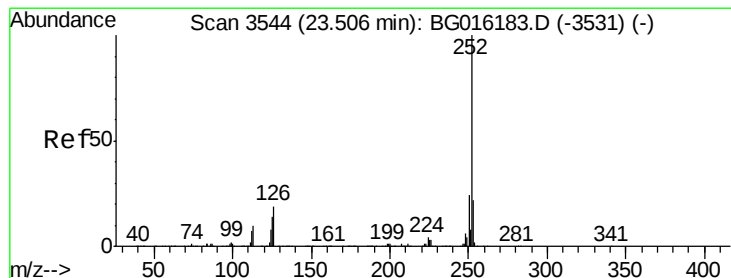
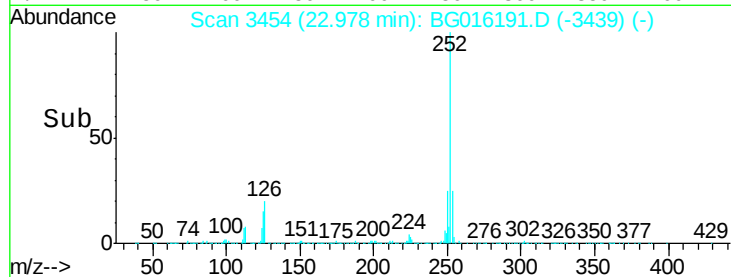
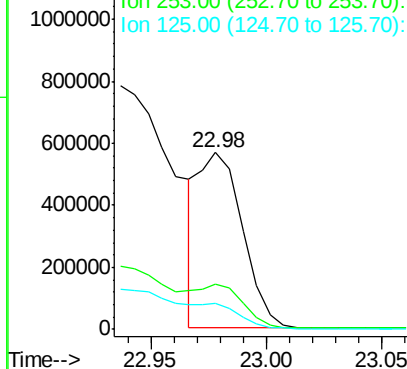
ClientSampleId :

C0AC7

Tgt Ion:	252	Resp:	735489
Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.6
125	15.0	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: 83.56 ng/ul

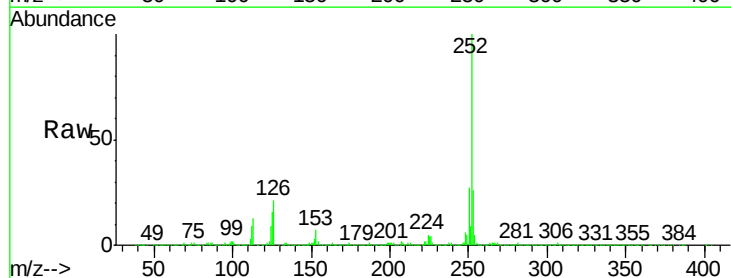
RT: 23.53 min Scan# 3548

Delta R.T. 0.02 min

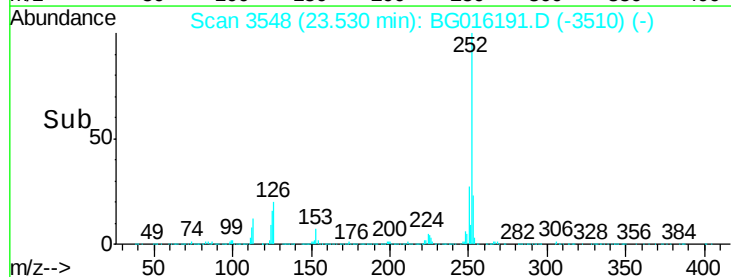
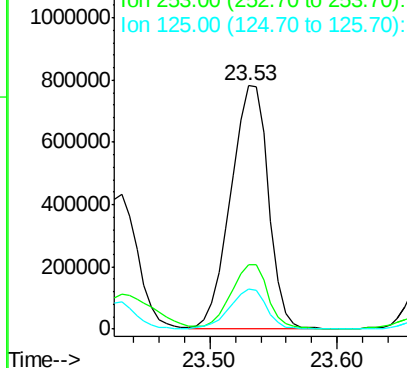
Lab File: BG016191.D

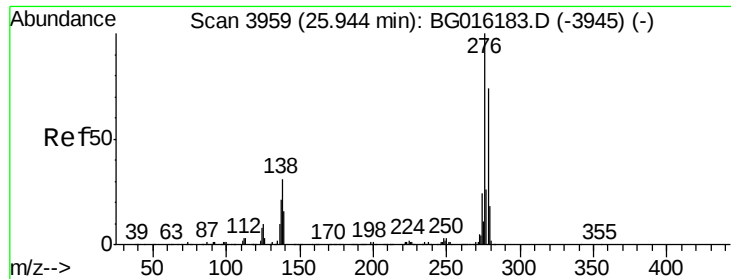
Acq: 28 Mar 2015 00:40

Tgt Ion:	252	Resp:	1592001
Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.6	26.4
125	16.4	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: 45.55 ng/ul

RT: 25.97 min Scan# 3964

Delta R.T. 0.03 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

Instrument :

BNA_G

ClientSampleId :

C0AC7

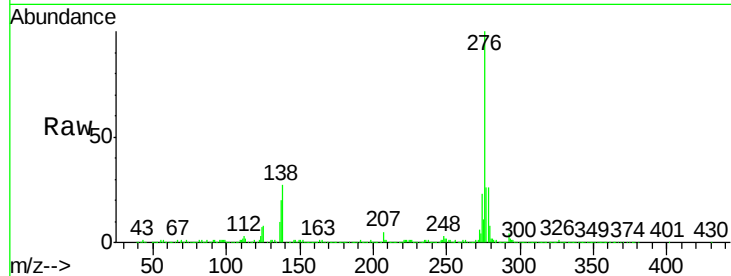
Tgt Ion:276 Resp: 1004089

Ion Ratio Lower Upper

276 100

138 27.3 26.1 39.1

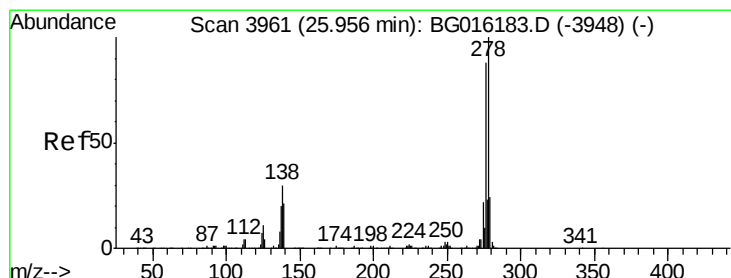
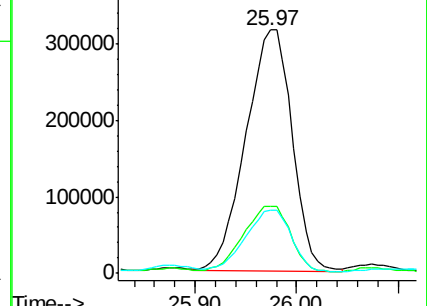
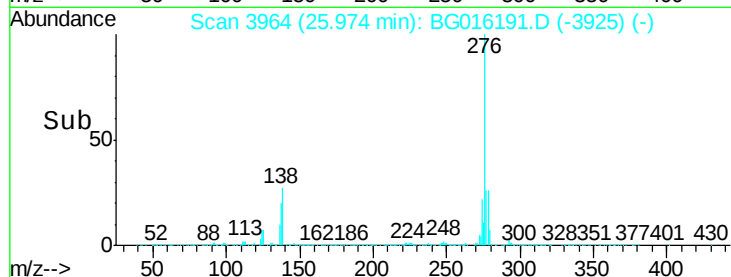
277 25.9 20.0 30.0



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: 14.48 ng/ul

RT: 25.98 min Scan# 3965

Delta R.T. 0.02 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

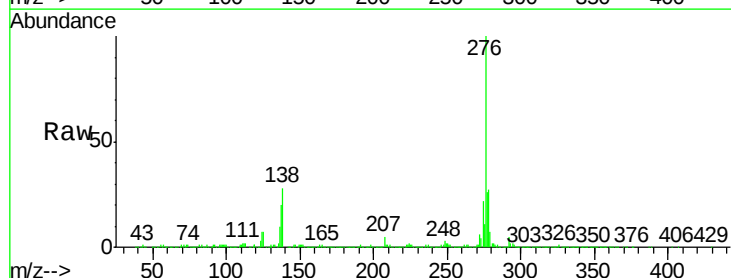
Tgt Ion:278 Resp: 267463

Ion Ratio Lower Upper

278 100

139 0.0 17.8 26.6#

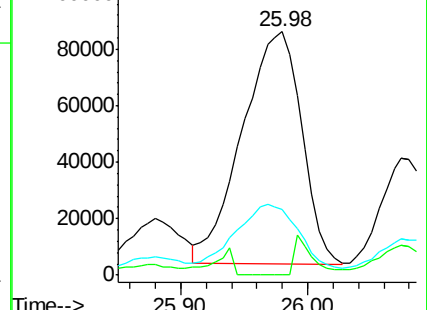
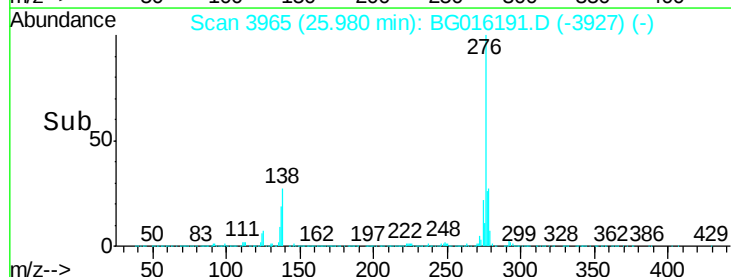
279 26.8 19.3 28.9

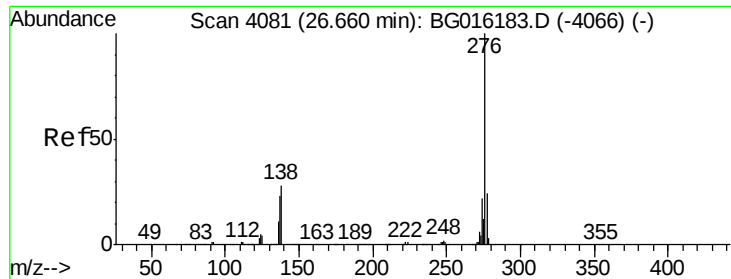


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 39.54 ng/ul

RT: 26.70 min Scan# 4087

Delta R.T. 0.04 min

Lab File: BG016191.D

Acq: 28 Mar 2015 00:40

Instrument :

BNA_G

ClientSampleId :

C0AC7

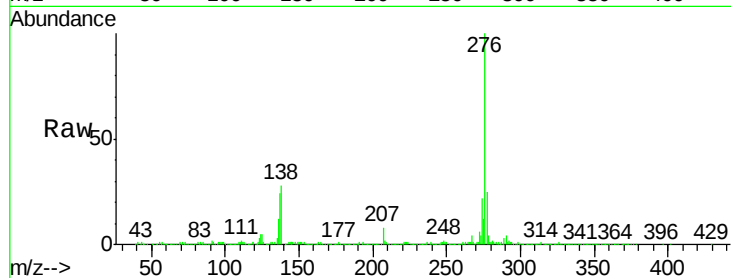
Tgt Ion:276 Resp: 732380

Ion Ratio Lower Upper

276 100

138 28.2 22.0 33.0

277 24.8 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

