

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
 Data File : BG016193.D
 Acq On : 28 Mar 2015 1:50
 Operator : TP/IZ
 Sample : G1647-09 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 06:10:42 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	78646	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	345425	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	195604	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	356822	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	360553	20.00	ng/ul	0.02
83) Perylene-d12	23.64	264	375296	20.00	ng/ul	0.04

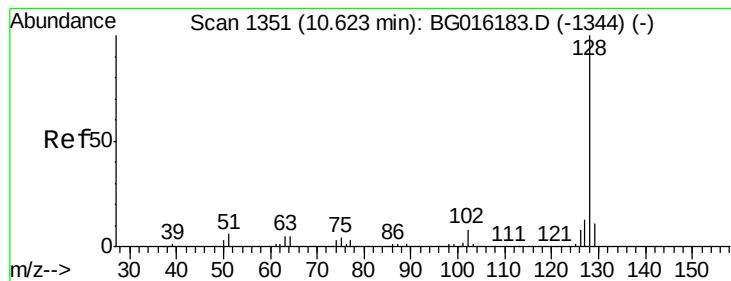
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.97	99	71624	10.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	36612	9.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	56065	10.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	55596	10.47	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	29021	10.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	30424	11.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	49685	10.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	53028	7.91	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	138050	10.83	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	187419	10.57	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	25062	8.23	ng/ul	0.01
57) Fluorene-d10	15.41	176	126396	9.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	2852	1.53	ng/ul	0.02
70) Anthracene-d10	17.26	188	169851	10.42	ng/ul	0.01
76) Pyrene-d10	19.55	212	172855	10.72	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.50	264	167312	10.22	ng/ul	0.04

Target Compounds

						Ovalue
28) Naphthalene	10.63	128	140372	7.53	ng/ul	100
34) 2-Methylnaphthalene	12.24	142	89400	6.77	ng/ul	100
40) 1,1'-Biphenyl	13.25	154	74621	4.87	ng/ul	97
49) Acenaphthene	14.49	153	684786	51.40	ng/ul	99
53) Dibenzofuran	14.82	168	689237	38.31	ng/ul	100
58) Fluorene	15.47	166	932705	59.36	ng/ul	99
63) 4,6-Dinitro-2-methylphenol	15.47	198	2322	1.09	ng/ul#	1
69) Phenanthrene	17.22	178	3551402	175.09	ng/ul#	61
71) Anthracene	17.30	178	1985599	96.42	ng/ul#	85
72) Carbazole	17.57	167	517720	26.15	ng/ul	99
77) Pyrene	19.60	202	3888992	175.30	ng/ul#	70
80) Benzo(a)anthracene	21.33	228	2566347	125.63	ng/ul#	73
82) Chrysene	21.39	228	2291960	117.93	ng/ul#	74
85) Benzo(b)fluoranthene	22.97	252	3472286	161.19	ng/ul#	84
86) Benzo(k)fluoranthene	22.97	252	1435808	67.50	ng/ul#	84
88) Benzo(a)pyrene	23.56	252	2625079	122.29	ng/ul#	84
89) Indeno(1,2,3-cd)pyrene	26.02	276	1507393	60.70	ng/ul	94
90) Dibenzo(a,h)anthracene	26.02	278	399137	19.18	ng/ul#	73
91) Benzo(g,h,i)perylene	26.74	276	1167804	55.96	ng/ul	95

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



#28

Naphthalene

Concen: 7.53 ng/ul

RT: 10.63 min Scan# 1352

Delta R.T. 0.01 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

ClientSampled :

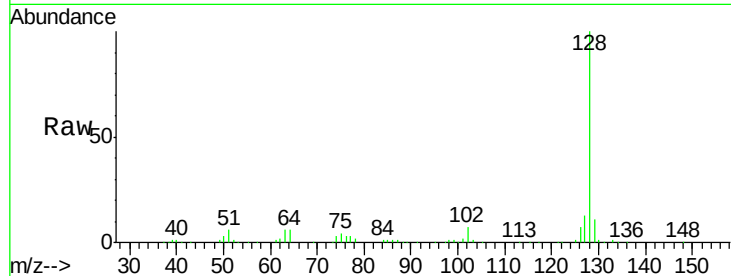
Tot Ion:128 Resp: 140372

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

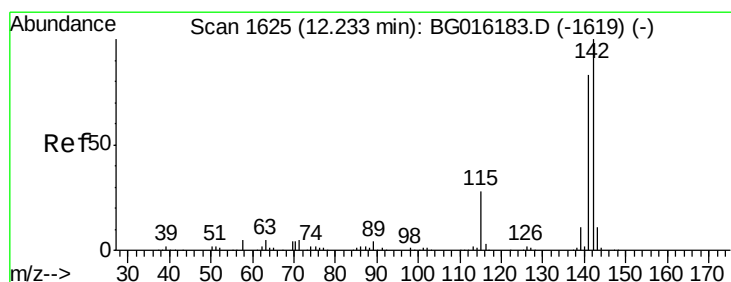
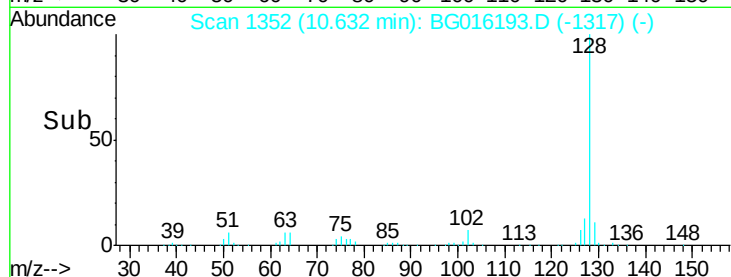
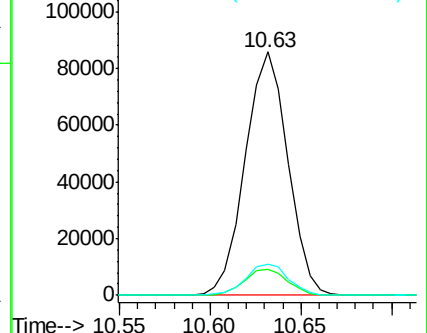
127 13.0 10.4 15.6



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: 6.77 ng/ul

RT: 12.24 min Scan# 1626

Delta R.T. 0.01 min

Lab File: BG016193.D

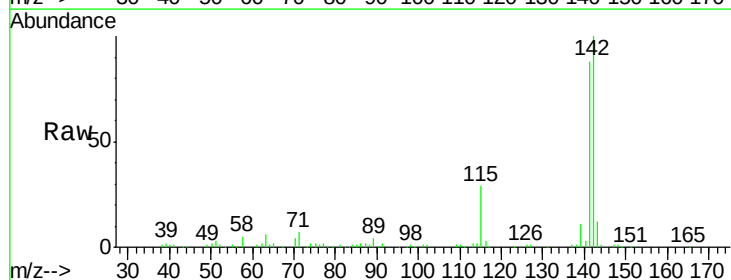
Acq: 28 Mar 2015 1:50

Tgt Ion:142 Resp: 89400

Ion Ratio Lower Upper

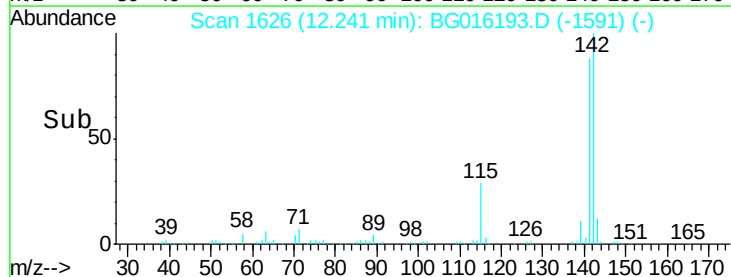
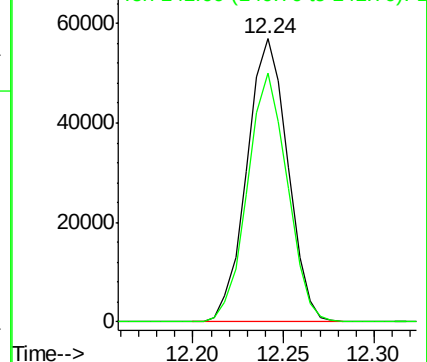
142 100

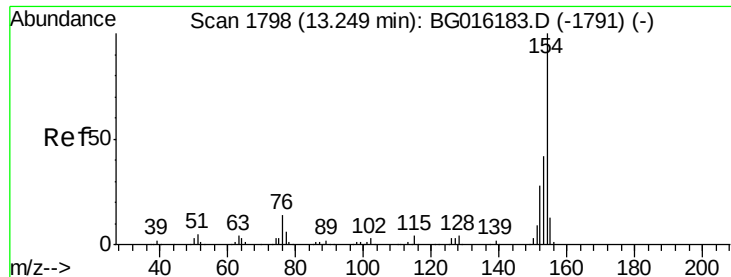
141 87.7 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 4.87 ng/ul

RT: 13.25 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

ClientSampleId :

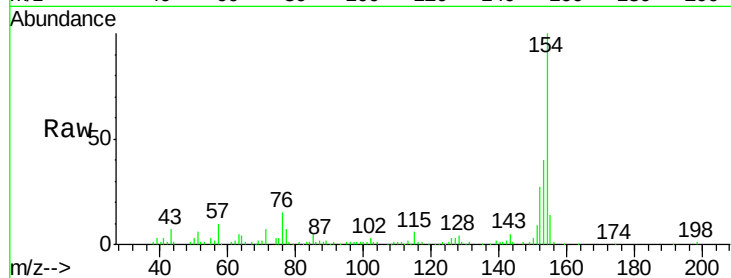
Tot Ion:154 Resp: 74621

Ion Ratio Lower Upper

154 100

153 40.0 33.9 50.9

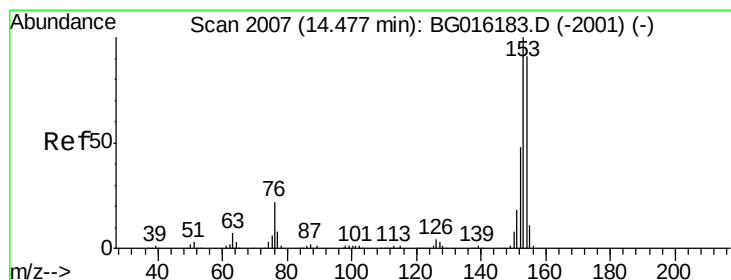
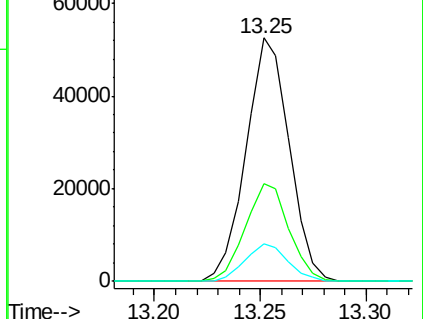
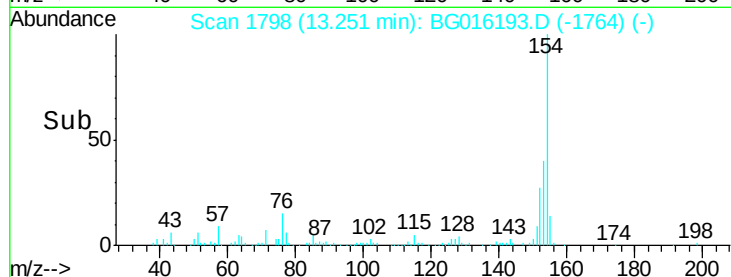
76 15.3 12.6 19.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#49

Acenaphthene

Concen: 51.40 ng/ul

RT: 14.49 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

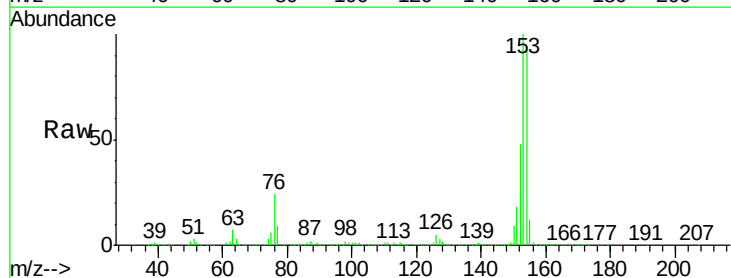
Tgt Ion:153 Resp: 684786

Ion Ratio Lower Upper

153 100

152 48.3 37.4 56.2

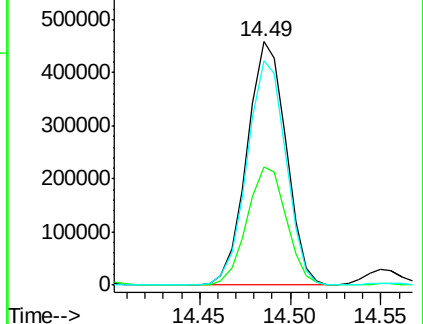
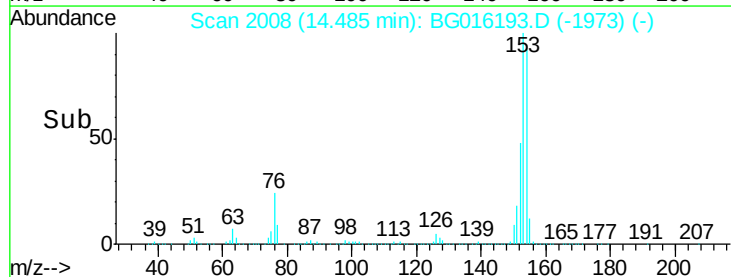
154 92.0 74.4 111.6

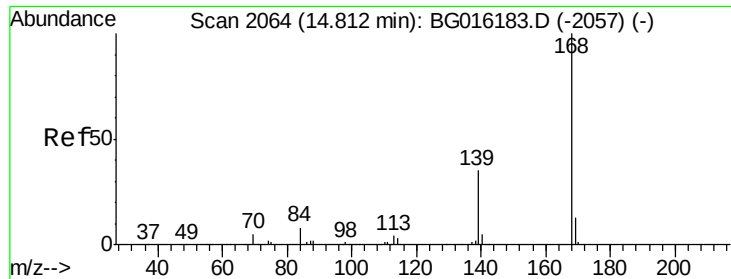


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

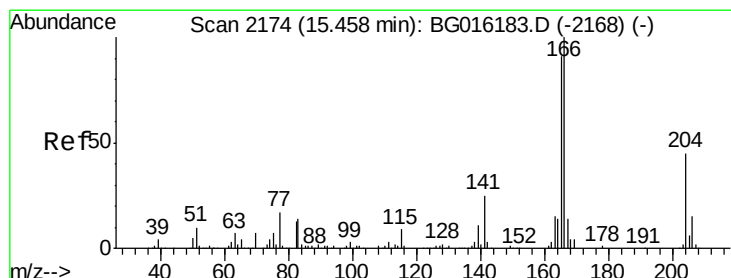
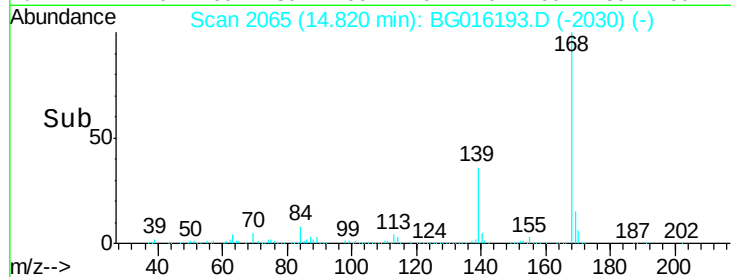
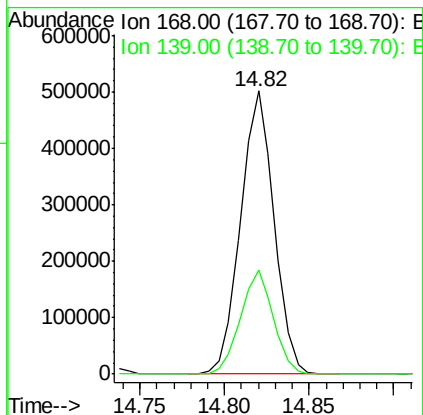
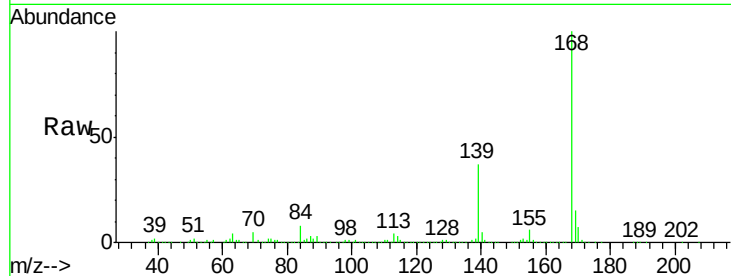




#53
Dibenzenofuran
Concen: 38.31 ng/ul
RT: 14.82 min Scan# 2065
Delta R.T. 0.01 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

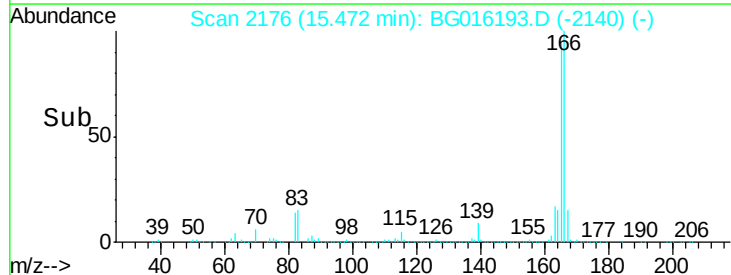
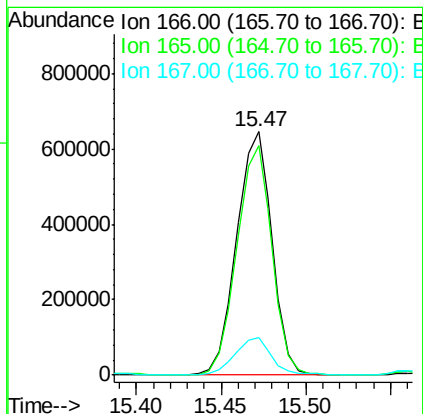
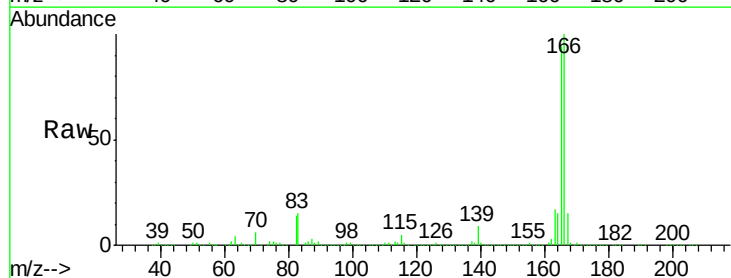
Instrument :
BNA_G
ClientSampled :

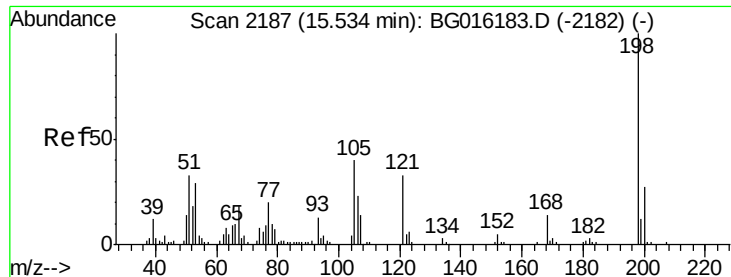
Tot Ion:168 Resp: 689237
Ion Ratio Lower Upper
168 100
139 36.7 29.1 43.7



#58
Fluorene
Concen: 59.36 ng/ul
RT: 15.47 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

Tgt Ion:166 Resp: 932705
Ion Ratio Lower Upper
166 100
165 94.4 76.1 114.1
167 15.2 10.5 15.7





#63

4,6-Dinitro-2-methylphenol

Concen: 1.09 ng/ul

RT: 15.47 min Scan# 2175

Delta R.T. -0.07 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

ClientSampleId :

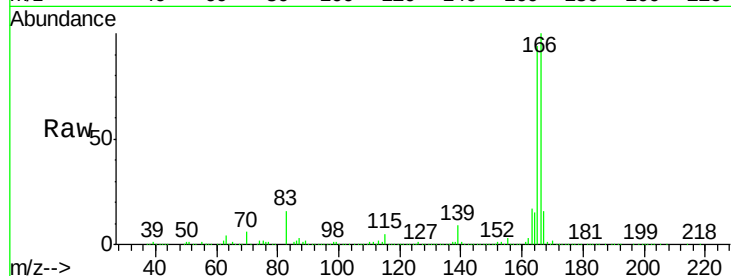
Tot Ion:198 Resp: 2322

Ion Ratio Lower Upper

198 100

182 53.1 2.8 4.2#

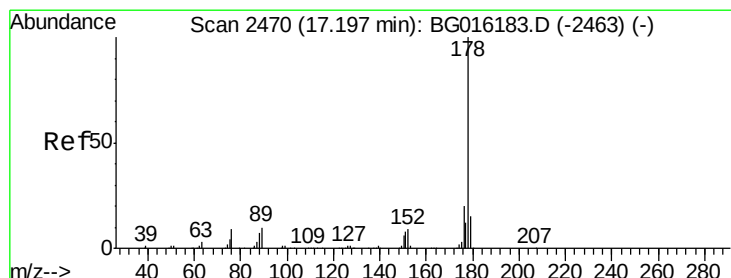
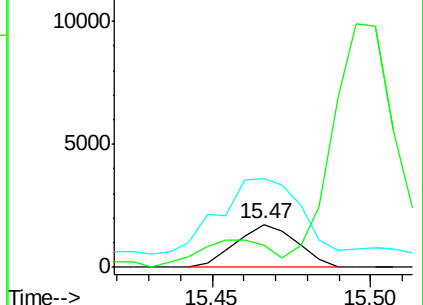
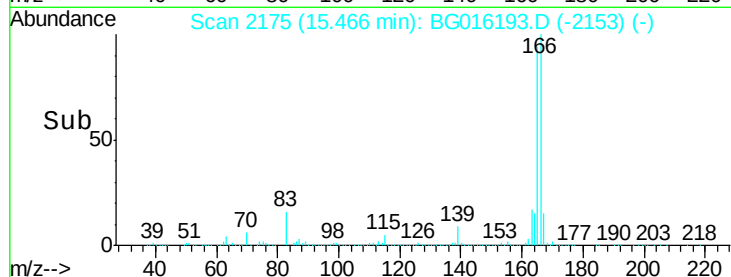
77 207.1 18.0 27.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): B



#69

Phenanthrene

Concen: 175.09 ng/ul

RT: 17.22 min Scan# 2474

Delta R.T. 0.03 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

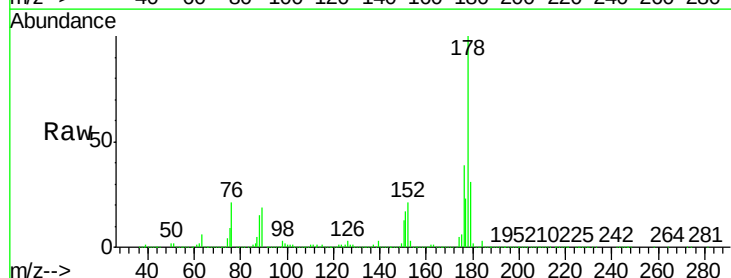
Tgt Ion:178 Resp: 3551402

Ion Ratio Lower Upper

178 100

179 30.5 12.8 19.2#

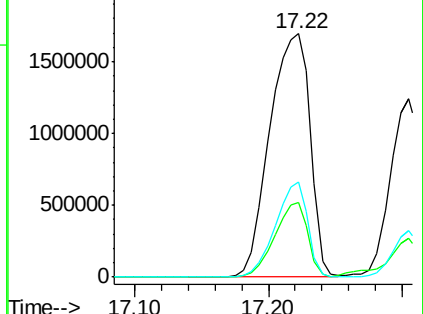
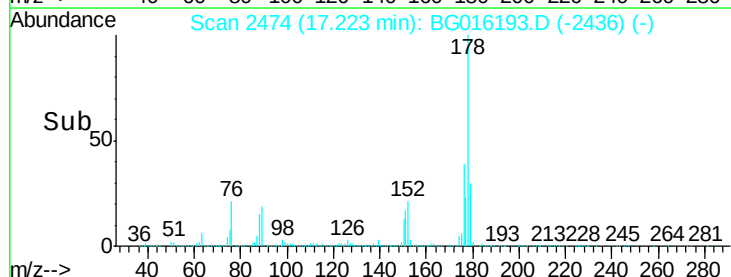
176 39.0 15.6 23.4#

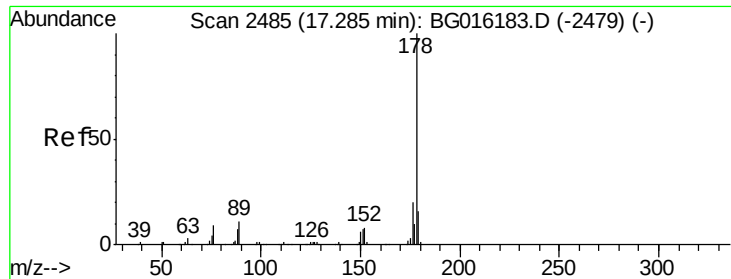


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

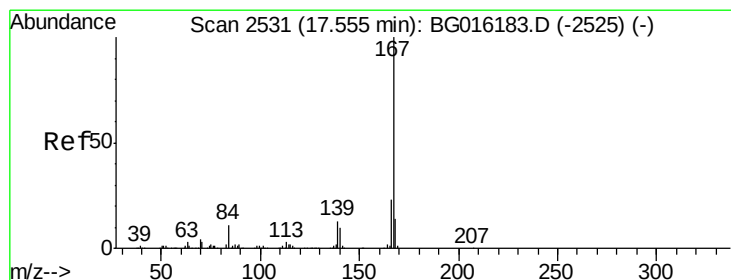
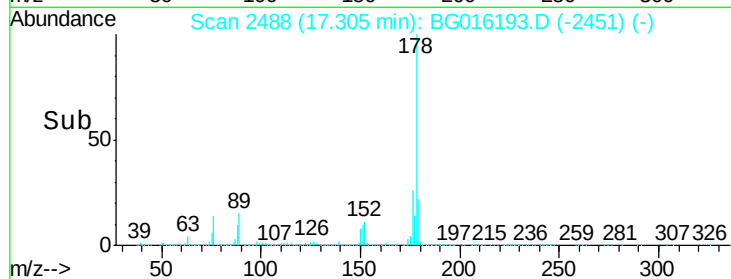
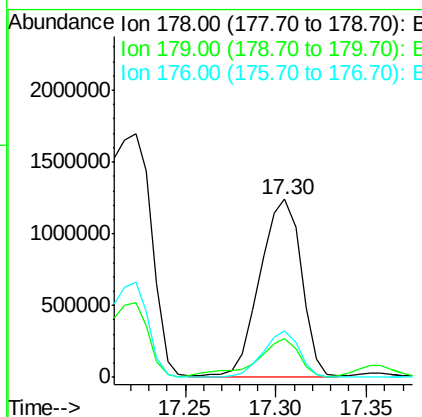
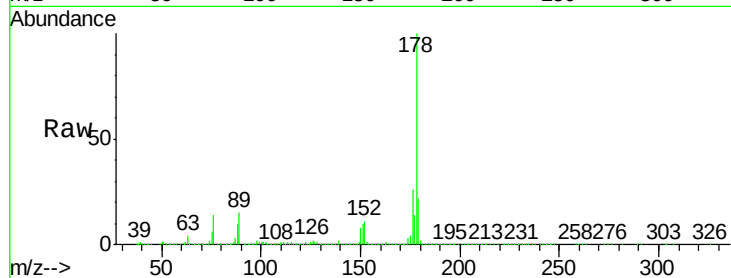




#71
 Anthracene
 Concen: 96.42 ng/ul
 RT: 17.30 min Scan# 2488
 Delta R.T. 0.02 min
 Lab File: BG016193.D
 Acq: 28 Mar 2015 1:50

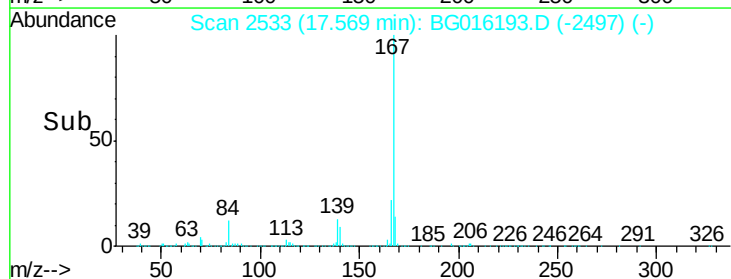
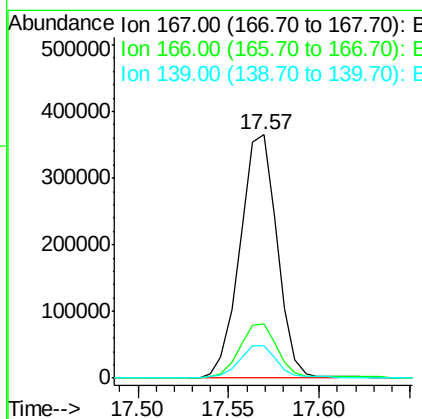
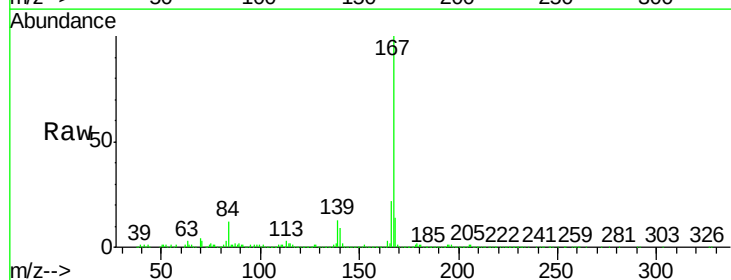
Instrument :
 BNA_G
 ClientSampled :

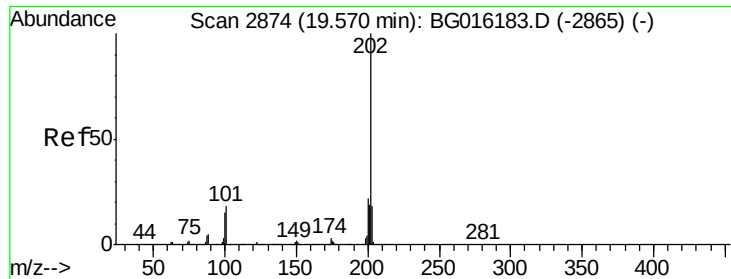
Tot Ion:178 Resp: 1985599
 Ion Ratio Lower Upper
 178 100
 179 21.6 12.7 19.1#
 176 26.1 15.3 22.9#



#72
 Carbazole
 Concen: 26.15 ng/ul
 RT: 17.57 min Scan# 2533
 Delta R.T. 0.01 min
 Lab File: BG016193.D
 Acq: 28 Mar 2015 1:50

Tgt Ion:167 Resp: 517720
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.2 27.2
 139 13.3 10.0 15.0





#77

Pvrene

Concen: 175.30 ng/ul

RT: 19.60 min Scan# 2879

Delta R.T. 0.03 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

ClientSampleId :

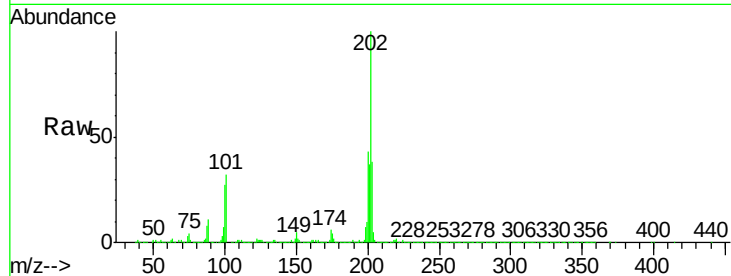
Tot Ion:202 Resp: 3888992

Ion Ratio Lower Upper

202 100

101 32.4 14.6 21.8#

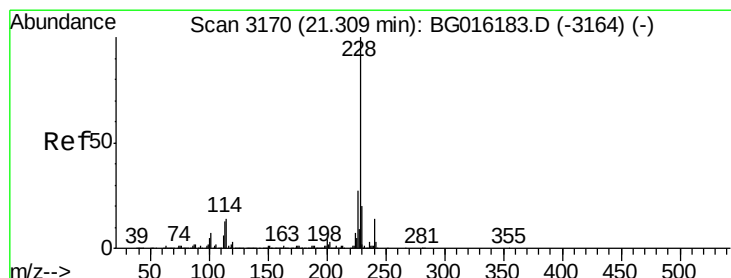
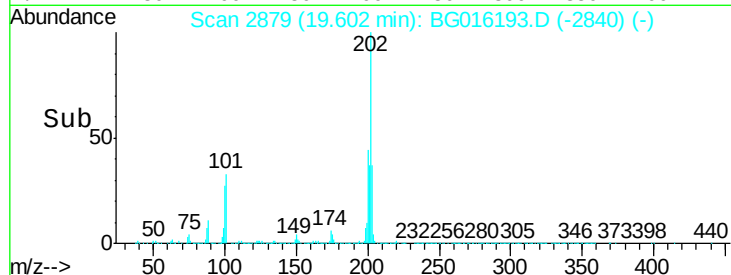
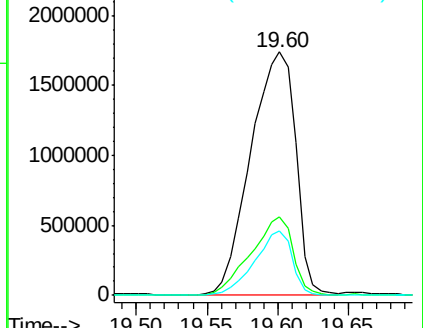
100 26.5 12.1 18.1#



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): E



#80

Benzo(a)anthracene

Concen: 125.63 ng/ul

RT: 21.33 min Scan# 3174

Delta R.T. 0.03 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

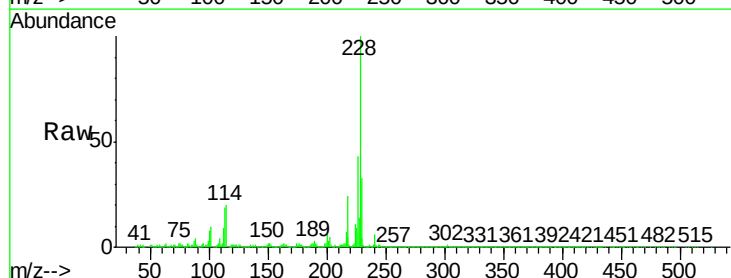
Tgt Ion:228 Resp: 2566347

Ion Ratio Lower Upper

228 100

229 32.7 16.2 24.4#

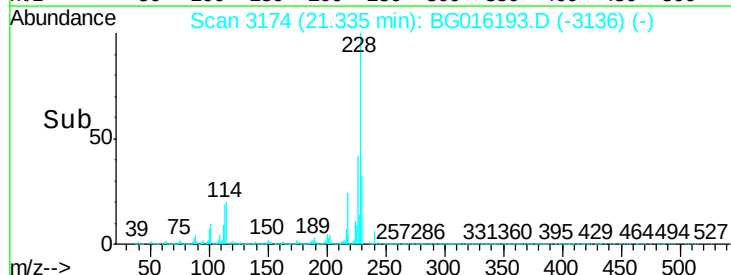
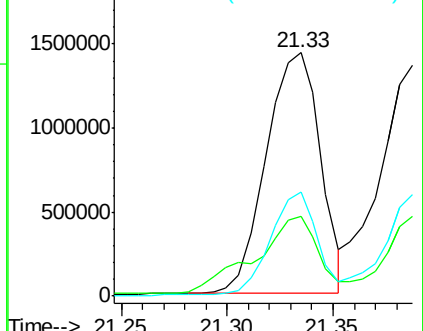
226 42.5 22.4 33.6#

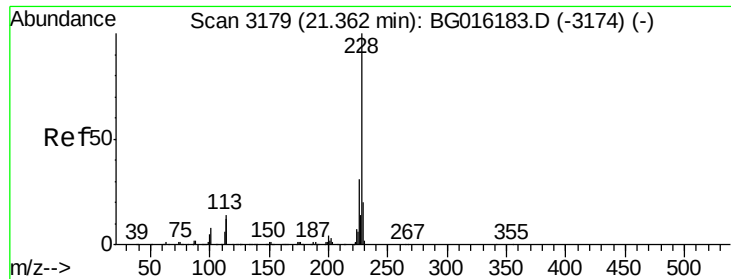


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 117.93 ng/ul

RT: 21.39 min Scan# 3183

Delta R.T. 0.03 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

ClientSampleId :

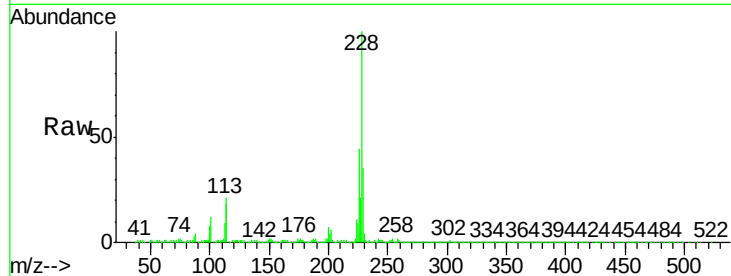
Tot Ion:228 Resp: 2291960

Ion Ratio Lower Upper

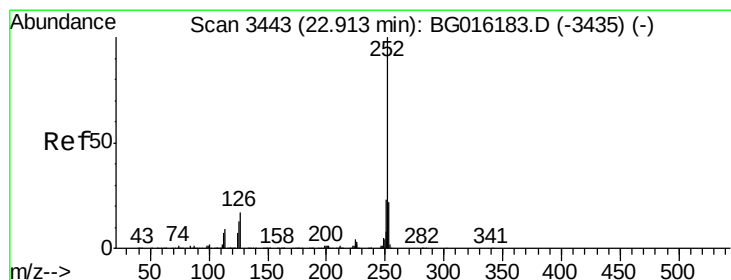
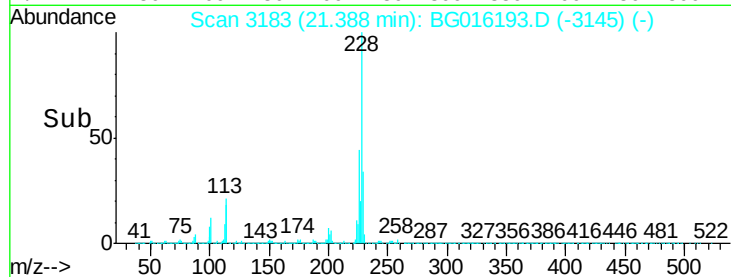
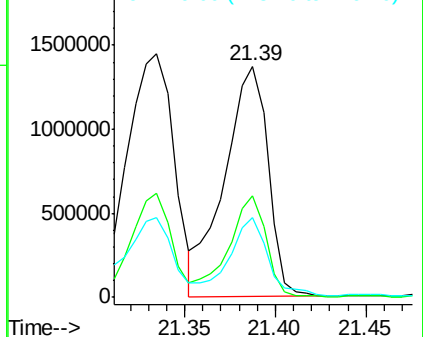
228 100

226 44.1 24.6 36.8#

229 34.5 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: 161.19 ng/ul

RT: 22.97 min Scan# 3452

Delta R.T. 0.06 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

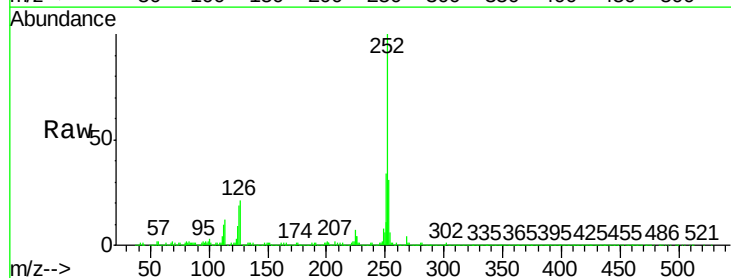
Tgt Ion:252 Resp: 3472286

Ion Ratio Lower Upper

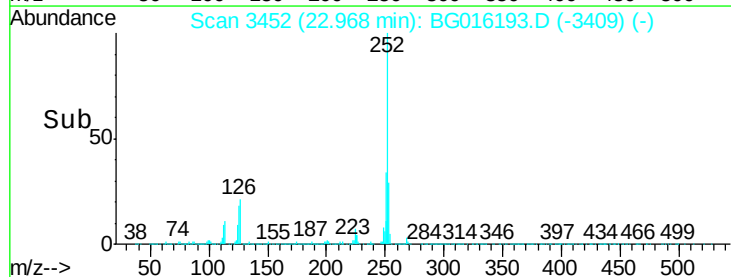
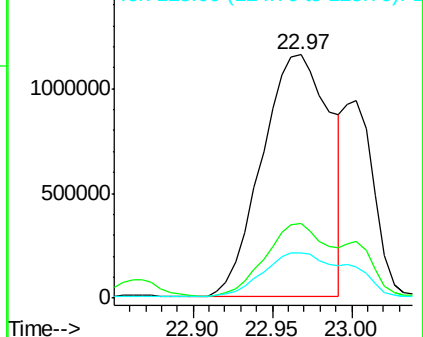
252 100

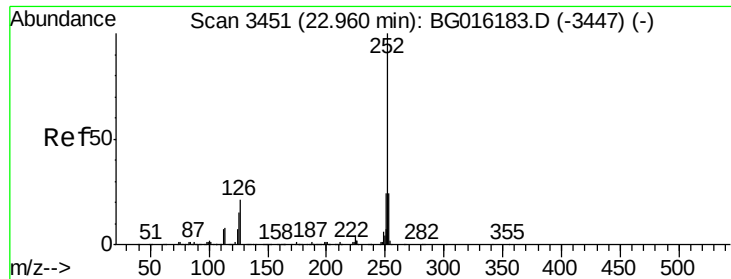
253 30.9 17.9 26.9#

125 18.8 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

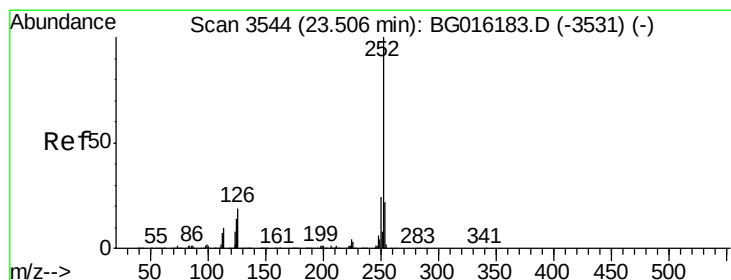
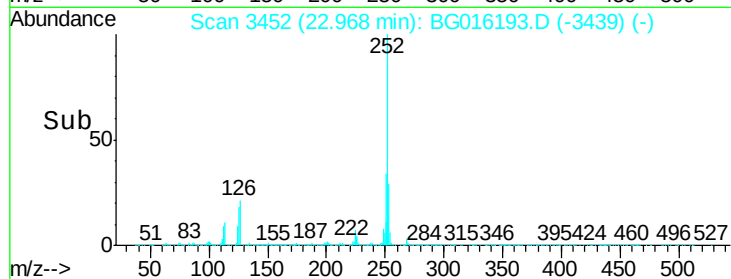
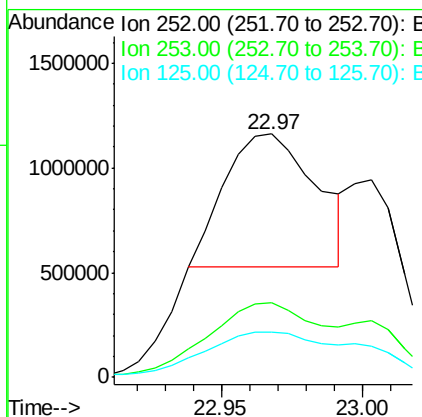
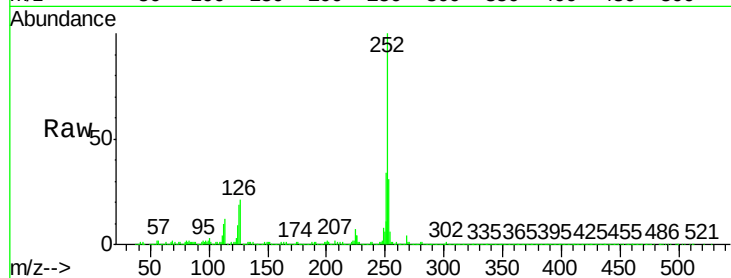




#86
Benzo(k)fluoranthene
Concen: 67.50 ng/ul
RT: 22.97 min Scan# 3452
Delta R.T. 0.01 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

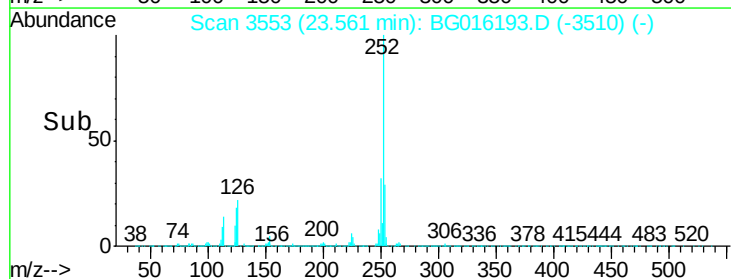
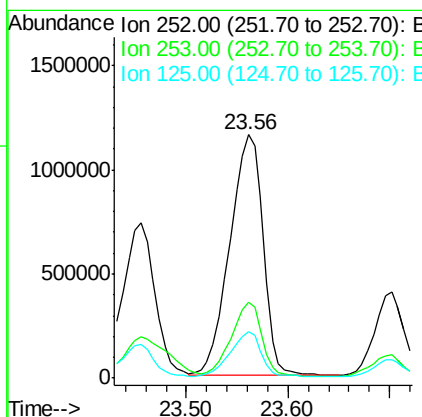
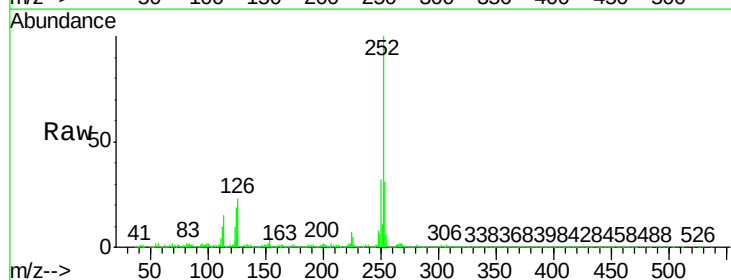
Instrument :
BNA_G
ClientSampleId :

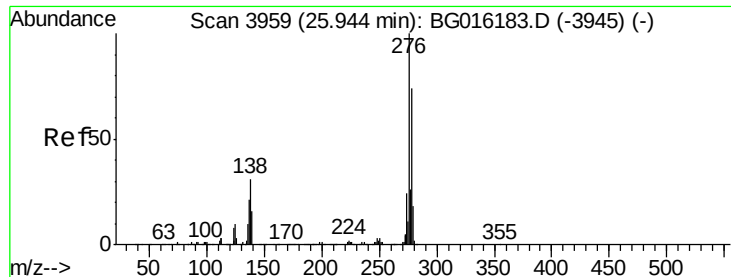
Tot Ion:252 Resp: 1435808
Ion Ratio Lower Upper
252 100
253 30.9 17.8 26.6#
125 18.8 10.7 16.1#



#88
Benzo(a)pyrene
Concen: 122.29 ng/ul
RT: 23.56 min Scan# 3553
Delta R.T. 0.06 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

Tgt Ion:252 Resp: 2625079
Ion Ratio Lower Upper
252 100
253 31.3 17.6 26.4#
125 18.9 11.5 17.3#





#89

Indeno(1,2,3-cd)pyrene

Concen: 60.70 ng/ul

RT: 26.02 min Scan# 3972

Delta R.T. 0.08 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

ClientSampleId :

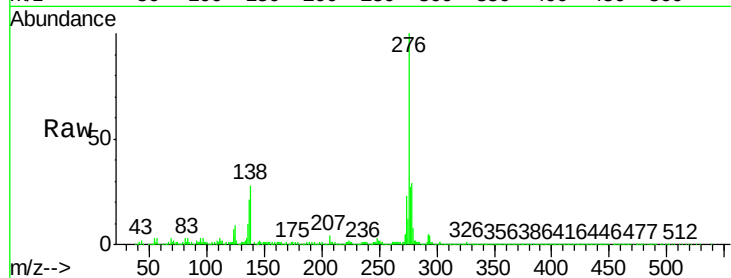
Tot Ion:276 Resp: 1507393

Ion Ratio Lower Upper

276 100

138 28.1 26.1 39.1

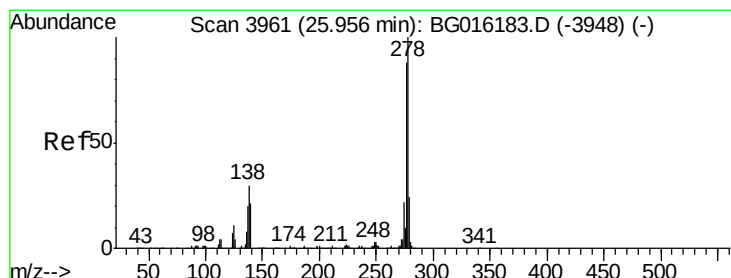
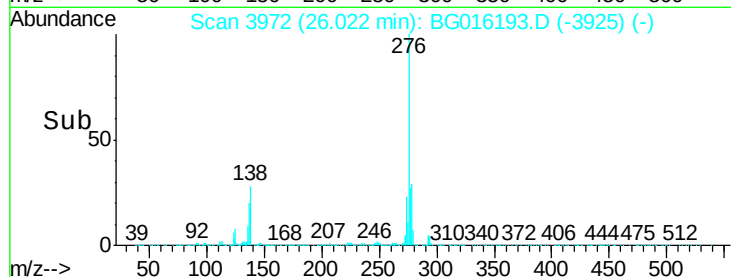
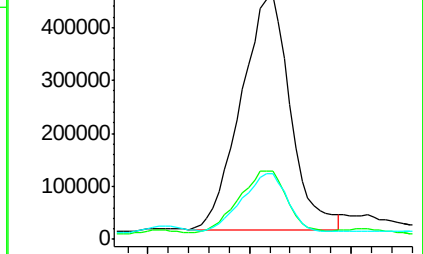
277 27.1 20.0 30.0



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: 19.18 ng/ul

RT: 26.02 min Scan# 3971

Delta R.T. 0.06 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

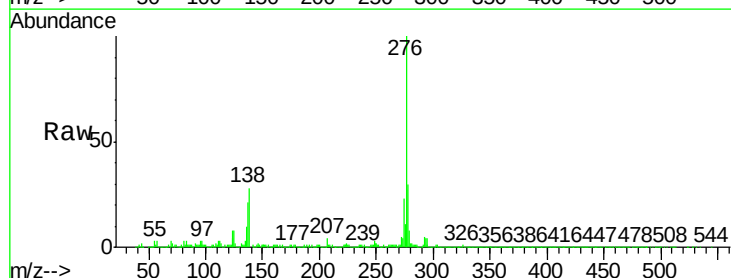
Tgt Ion:278 Resp: 399137

Ion Ratio Lower Upper

278 100

139 0.0 17.8 26.6#

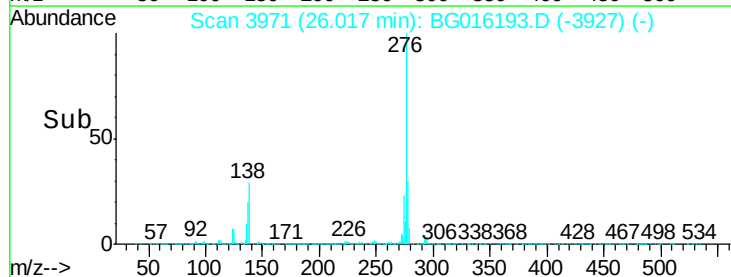
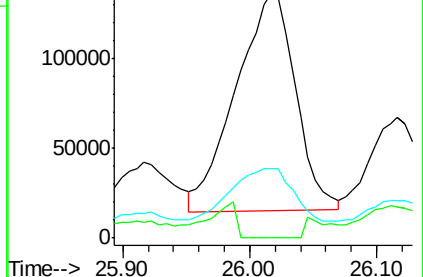
279 28.4 19.3 28.9

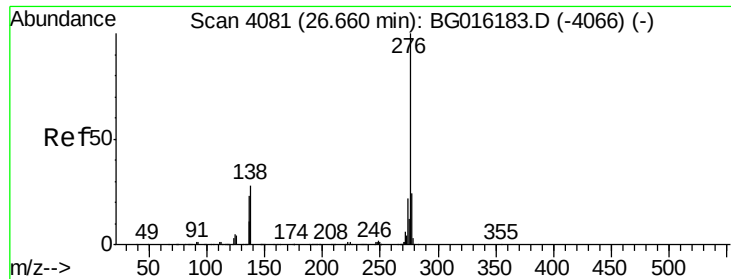


Abundance Ion 278.00 (277.70 to 278.70): E

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: 55.96 ng/ul

RT: 26.74 min Scan# 4095

Delta R.T. 0.08 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

ClientSampleId :

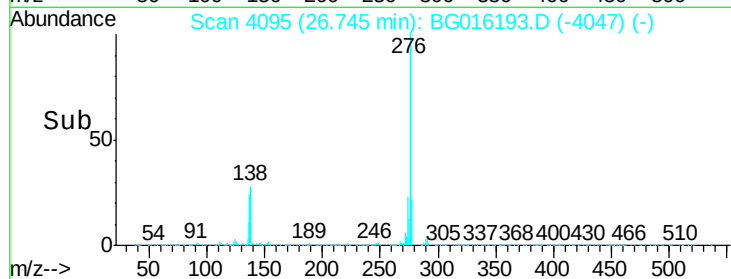
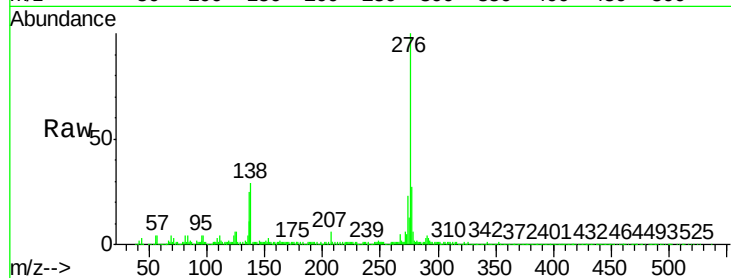
Tot Ion:276 Resp: 1167804

Ion Ratio Lower Upper

276 100

138 29.5 22.0 33.0

277 26.5 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

