

Data Path : Z:\HPCHEM1\BNA G\DATA\BG033115\
 Data File : BG016214.D
 Acq On : 31 Mar 2015 23:31
 Operator : TP/IZ
 Sample : G1647-11 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 01 05:33:31 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG033115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 01 04:39:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	98974	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	436787	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.40	164	244538	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.14	188	444976	20.00	ng/ul	0.00
75) Chrysene-d12	21.32	240	436489	20.00	ng/ul	0.00
83) Perylene-d12	23.60	264	429249	20.00	ng/ul	0.01

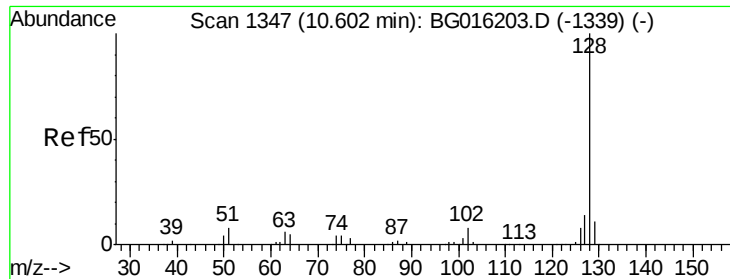
System Monitoring Compounds

3) 1,4-Dioxane-d8	2.86	96	109	0.05	ng/uL	-0.37
5) Phenol-d5	6.94	99	96769	10.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.11	67	55101	10.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.31	132	74087	10.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	74374	10.52	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	40036	10.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	43814	10.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	66937	10.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	60177	6.72	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	185395	11.47	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	252914	11.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	33447	8.21	ng/ul	0.01
57) Fluorene-d10	15.39	176	165255	10.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	13487	4.44	ng/ul	0.00
70) Anthracene-d10	17.24	188	221068	10.81	ng/ul	0.00
76) Pyrene-d10	19.53	212	217114	10.95	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.46	264	195932	10.12	ng/ul	0.01

Target Compounds

						Ovalue
28) Naphthalene	10.61	128	74764	3.18	ng/ul	99
34) 2-Methylnaphthalene	12.22	142	75767	4.56	ng/ul	97
40) 1,1'-Biphenyl	13.23	154	26434	1.35	ng/ul	98
49) Acenaphthene	14.46	153	138961	8.15	ng/ul	99
53) Dibenzofuran	14.80	168	235052	10.61	ng/ul	98
58) Fluorene	15.45	166	225405	11.61	ng/ul	99
69) Phenanthrene	17.19	178	1430421	56.63	ng/ul	95
71) Anthracene	17.28	178	293057	11.35	ng/ul	99
72) Carbazole	17.55	167	110048	4.41	ng/ul	98
74) Fluoranthene	19.20	202	1329298	47.34	ng/ul	97
77) Pyrene	19.57	202	1104313	40.76	ng/ul	99
80) Benzo(a)anthracene	21.30	228	535376	21.19	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.22	149	20578	1.20	ng/ul	97
82) Chrysene	21.35	228	493117	21.01	ng/ul	97
85) Benzo(b)fluoranthene	22.92	252	661216	25.79	ng/ul#	95
86) Benzo(k)fluoranthene	22.92	252	258944	10.48	ng/ul	98
88) Benzo(a)pyrene	23.51	252	468106	19.15	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.95	276	261080	9.14	ng/ul	93
90) Dibenzo(a,h)anthracene	25.95	278	66498	2.79	ng/ul#	80
91) Benzo(g,h,i)perylene	26.67	276	202369	8.66	ng/ul	96

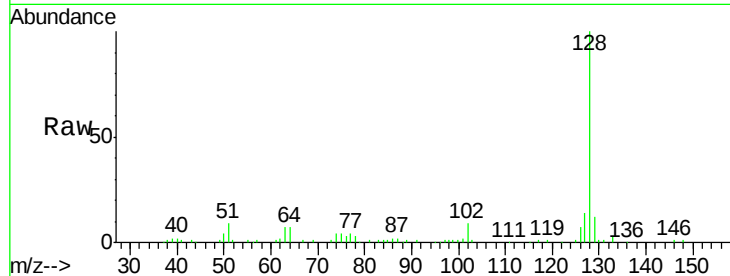
(#) = qualifier out of range (m) = manual integration (+) = signals summed



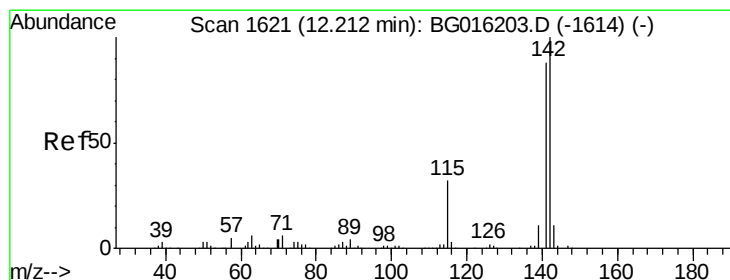
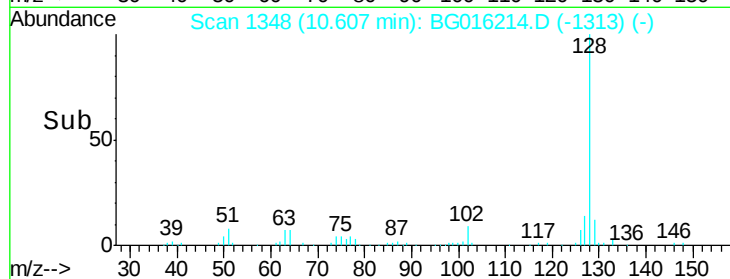
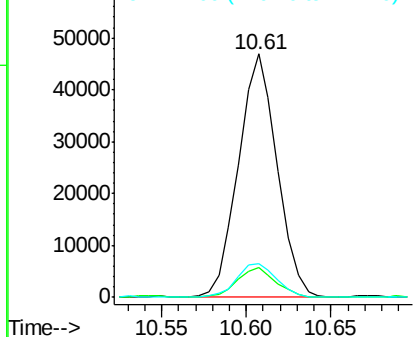
#28
Naphthalene
Concen: 3.18 ng/ul
RT: 10.61 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BG016214.D
Acq: 31 Mar 2015 23:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 74764
Ion Ratio Lower Upper
128 100
129 12.4 9.2 13.8
127 14.0 11.4 17.0

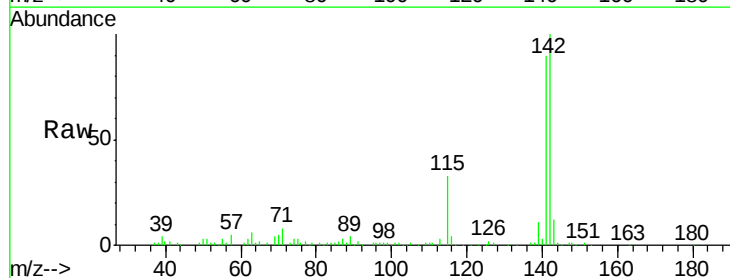


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

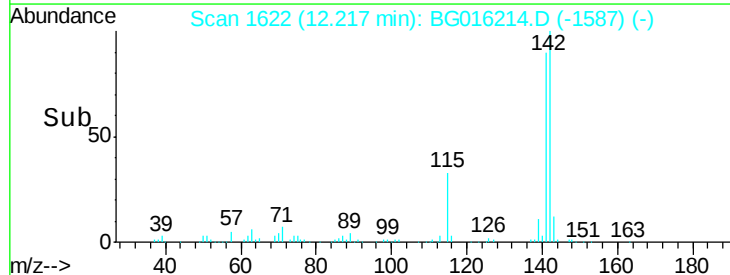
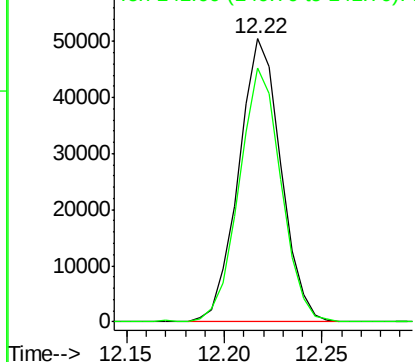


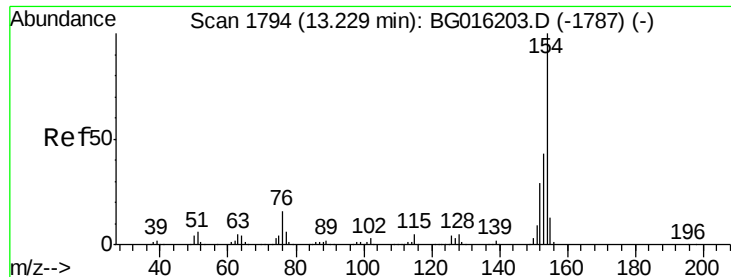
#34
2-Methylnaphthalene
Concen: 4.56 ng/ul
RT: 12.22 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BG016214.D
Acq: 31 Mar 2015 23:31

Tgt Ion:142 Resp: 75767
Ion Ratio Lower Upper
142 100
141 89.5 69.7 104.5



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





#40

1,1'-Biphenyl

Concen: 1.35 ng/ul

RT: 13.23 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BG016214.D

Acq: 31 Mar 2015 23:31

Instrument :

BNA_G

ClientSampled :

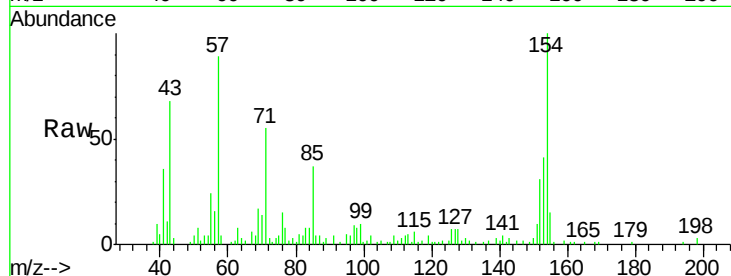
Tot Ion:154 Resp: 26434

Ion Ratio Lower Upper

154 100

153 41.4 34.5 51.7

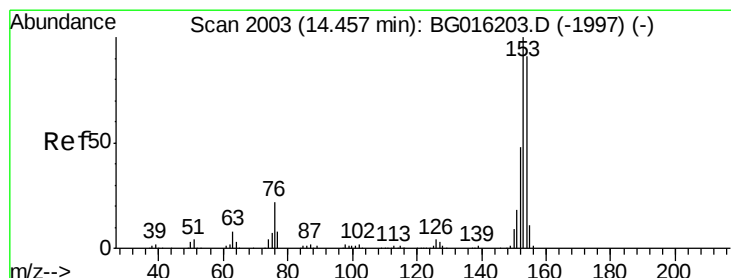
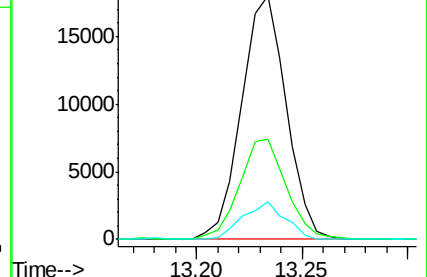
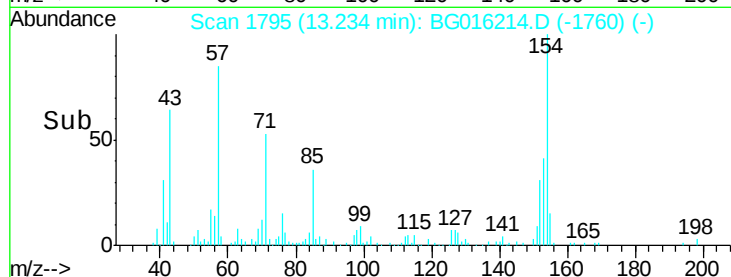
76 15.3 11.8 17.8



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): B



#49

Acenaphthene

Concen: 8.15 ng/ul

RT: 14.46 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BG016214.D

Acq: 31 Mar 2015 23:31

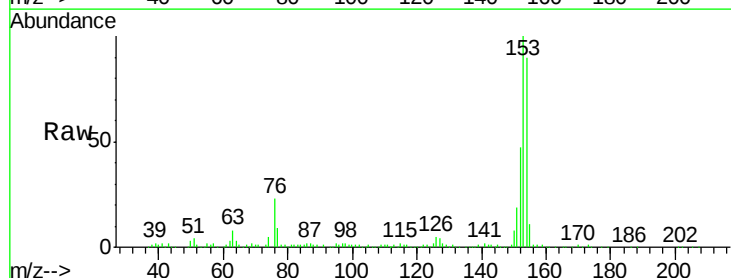
Tgt Ion:153 Resp: 138961

Ion Ratio Lower Upper

153 100

152 47.2 39.0 58.4

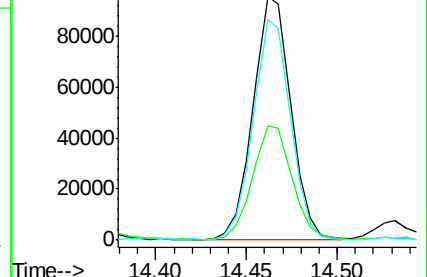
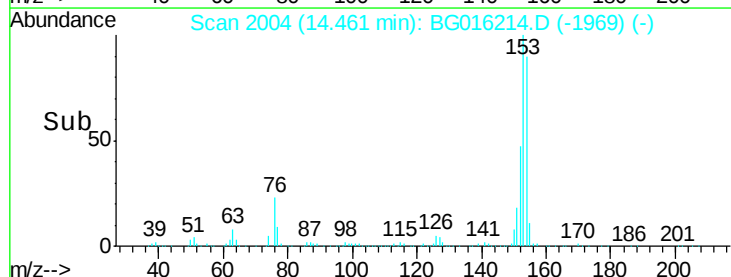
154 90.4 72.5 108.7

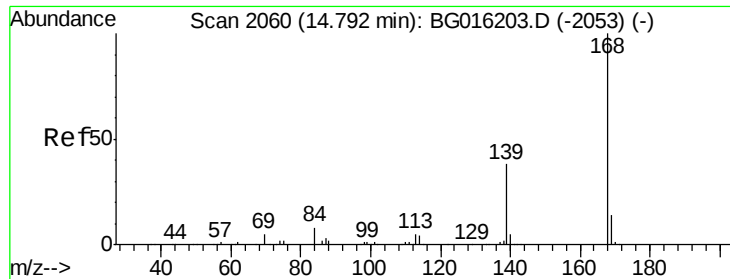


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

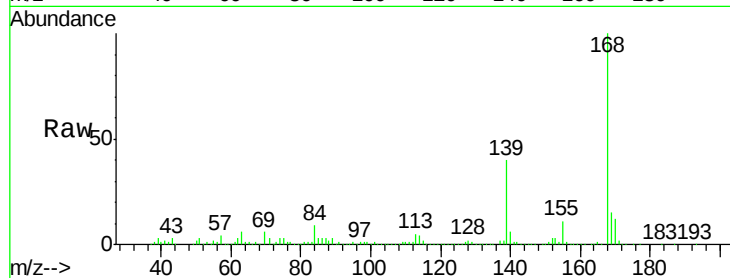




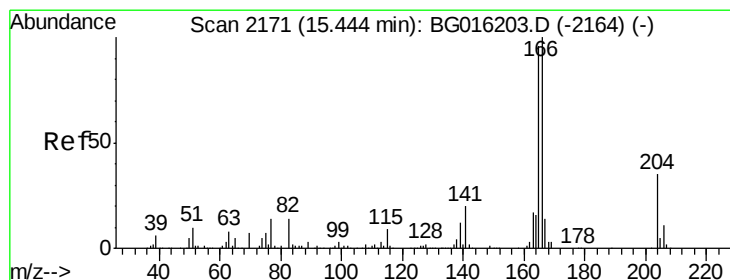
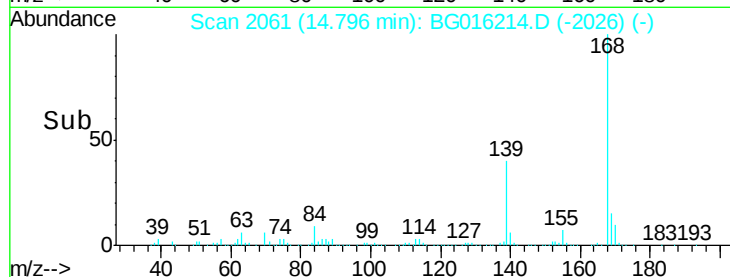
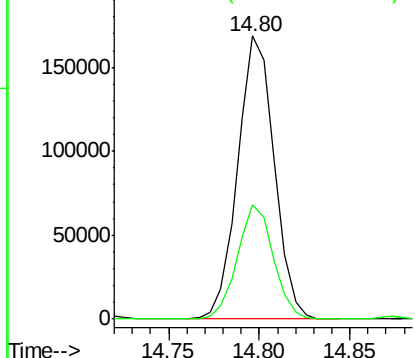
#53
Dibenzenofuran
Concen: 10.61 ng/ul
RT: 14.80 min Scan# 2061
Delta R.T. 0.00 min
Lab File: BG016214.D
Acq: 31 Mar 2015 23:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:168 Resp: 235052
Ion Ratio Lower Upper
168 100
139 40.5 31.4 47.0

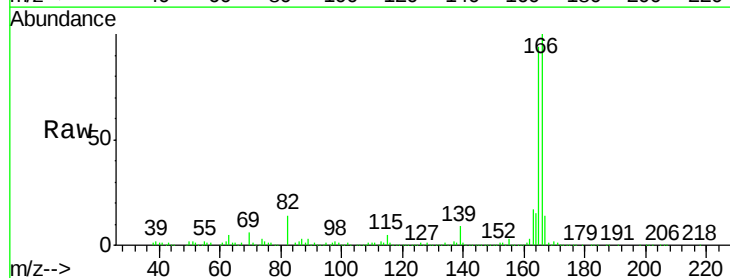


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

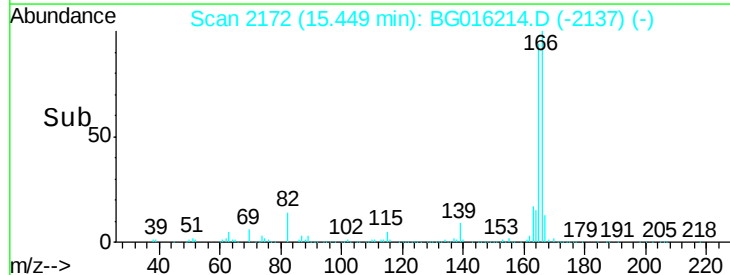
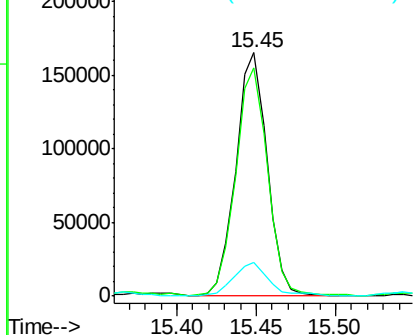


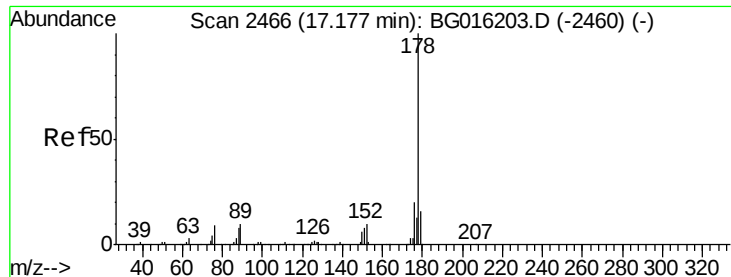
#58
Fluorene
Concen: 11.61 ng/ul
RT: 15.45 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BG016214.D
Acq: 31 Mar 2015 23:31

Tgt Ion:166 Resp: 225405
Ion Ratio Lower Upper
166 100
165 93.8 75.6 113.4
167 13.7 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

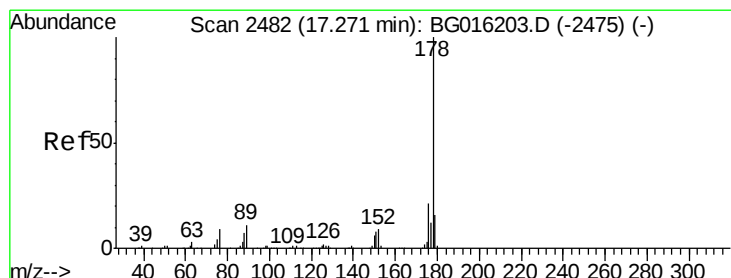
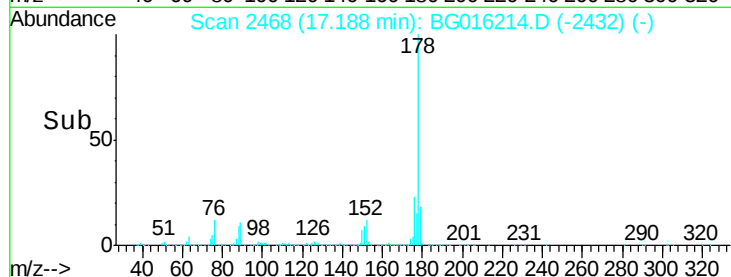
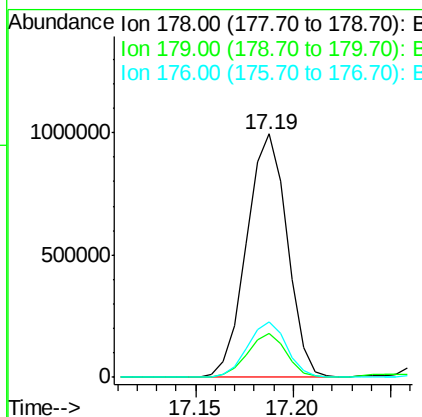
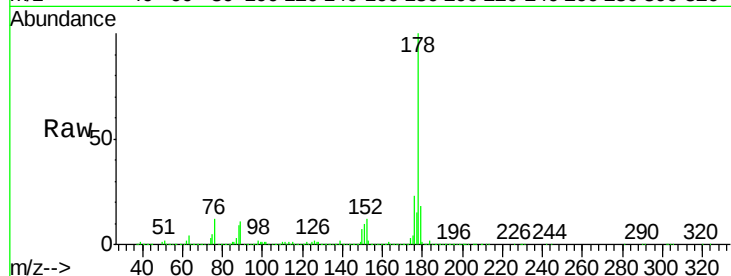




#69
Phenanthrene
Concen: 56.63 ng/ul
RT: 17.19 min Scan# 2468
Delta R.T. 0.01 min
Lab File: BG016214.D
Acq: 31 Mar 2015 23:31

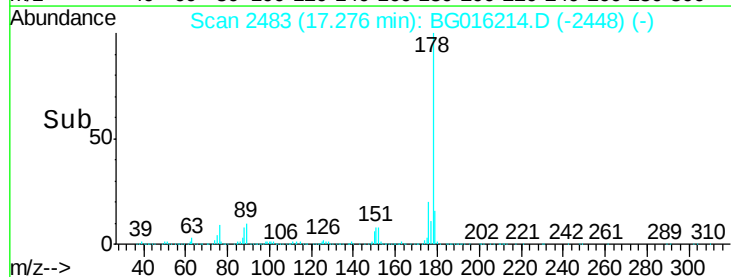
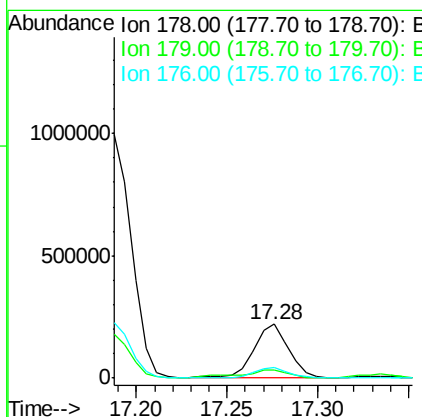
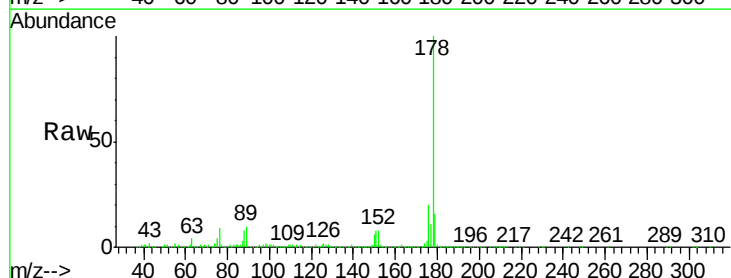
Instrument :
BNA_G
ClientSampleId :

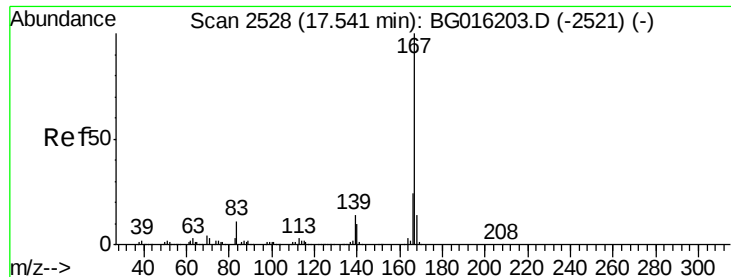
Tot Ion:178 Resp: 1430421
Ion Ratio Lower Upper
178 100
179 17.8 12.6 19.0
176 22.8 16.6 24.8



#71
Anthracene
Concen: 11.35 ng/ul
RT: 17.28 min Scan# 2483
Delta R.T. 0.00 min
Lab File: BG016214.D
Acq: 31 Mar 2015 23:31

Tgt Ion:178 Resp: 293057
Ion Ratio Lower Upper
178 100
179 15.7 13.0 19.4
176 19.8 15.9 23.9





#72

Carbazole

Concen: 4.41 ng/ul

RT: 17.55 min Scan# 2529

Delta R.T. 0.00 min

Lab File: BG016214.D

Acq: 31 Mar 2015 23:31

Instrument :

BNA_G

ClientSampleId :

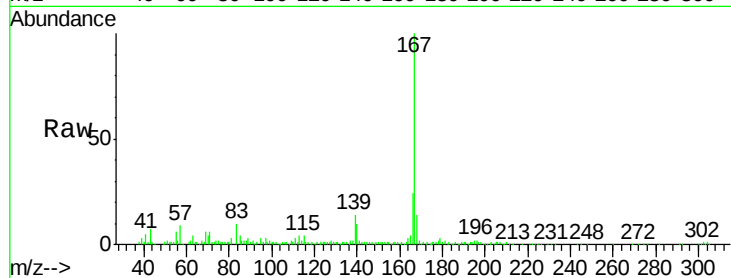
Tot Ion:167 Resp: 110048

Ion Ratio Lower Upper

167 100

166 24.3 18.4 27.6

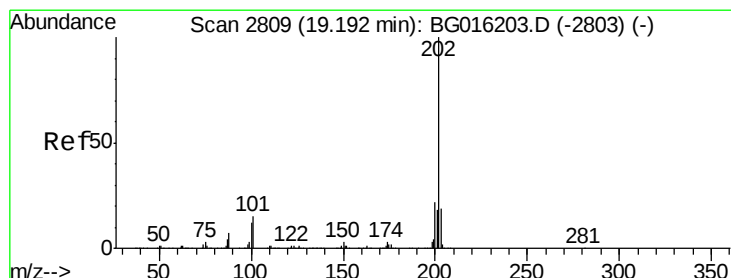
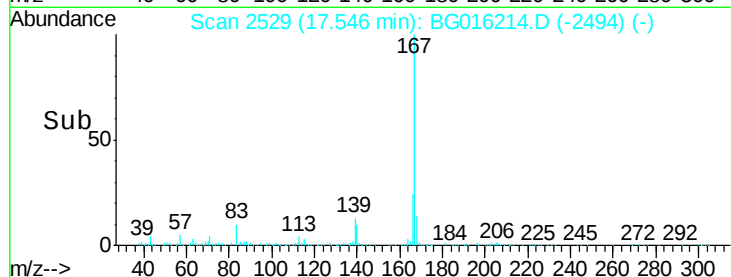
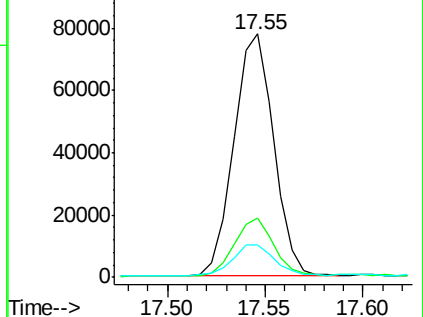
139 13.5 10.7 16.1



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: 47.34 ng/ul

RT: 19.20 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BG016214.D

Acq: 31 Mar 2015 23:31

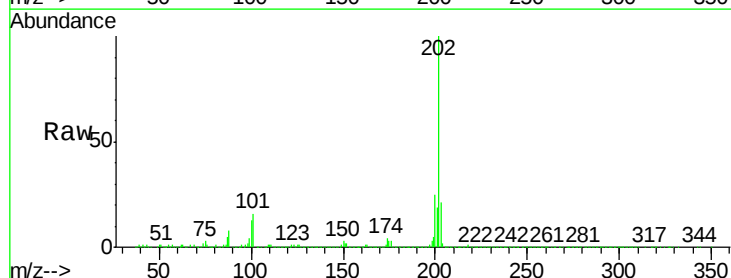
Tgt Ion:202 Resp: 1329298

Ion Ratio Lower Upper

202 100

101 16.0 11.8 17.8

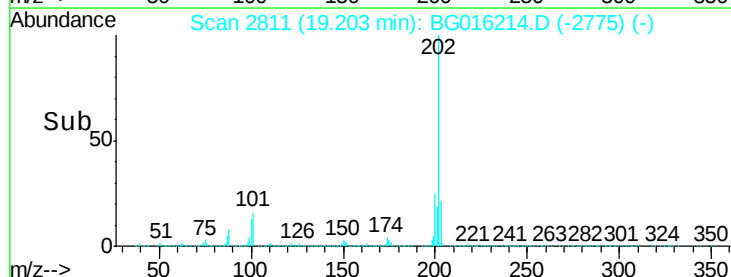
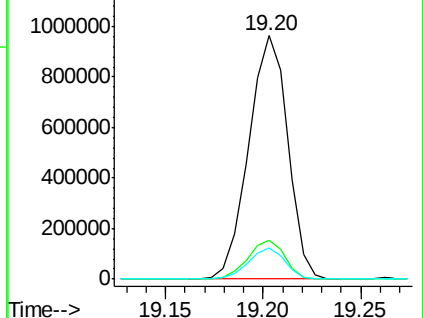
100 12.6 9.4 14.0

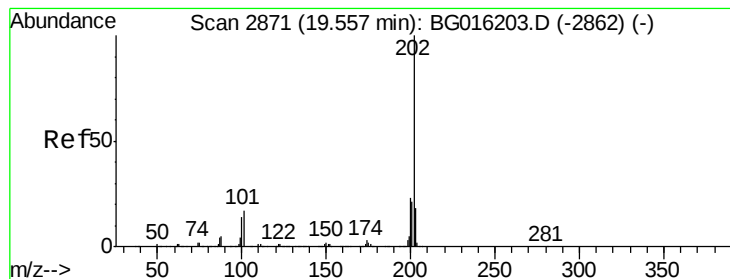


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 40.76 ng/ul

RT: 19.57 min Scan# 2873

Delta R.T. 0.01 min

Lab File: BG016214.D

Acq: 31 Mar 2015 23:31

Instrument :

BNA_G

ClientSampleId :

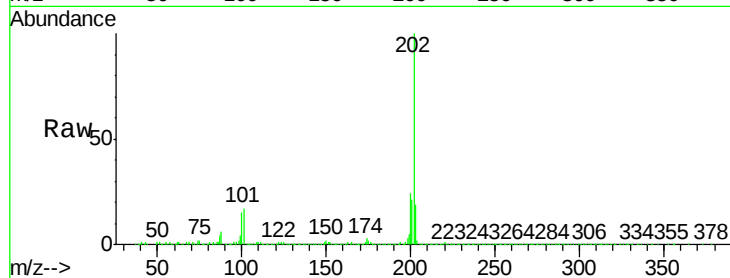
Tot Ion:202 Resp: 1104313

Ion Ratio Lower Upper

202 100

101 17.0 13.4 20.0

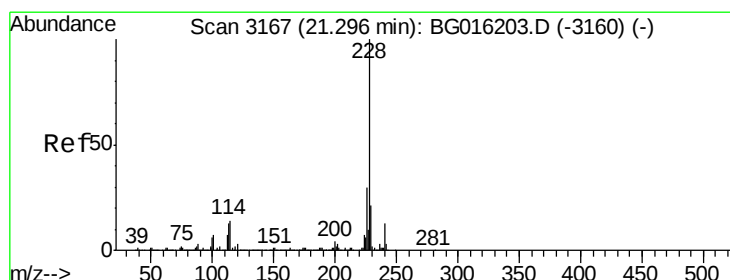
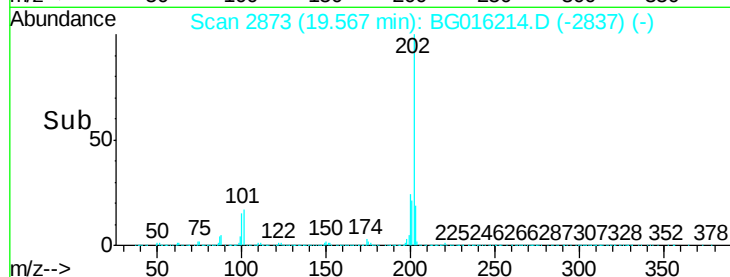
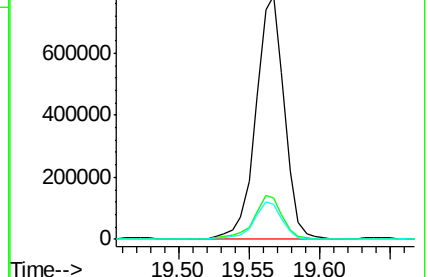
100 14.5 11.1 16.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 21.19 ng/ul

RT: 21.30 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG016214.D

Acq: 31 Mar 2015 23:31

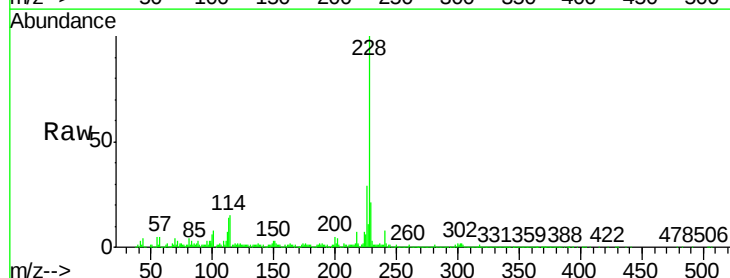
Tgt Ion:228 Resp: 535376

Ion Ratio Lower Upper

228 100

229 21.5 16.5 24.7

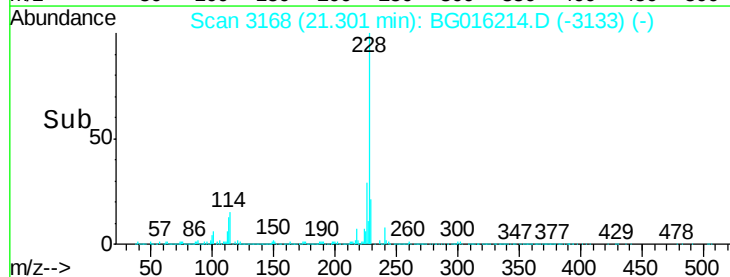
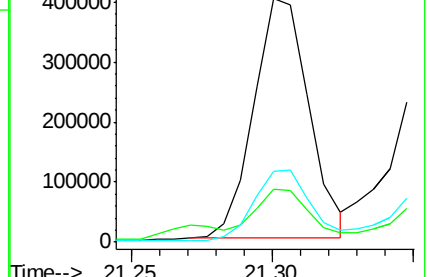
226 29.3 23.0 34.4

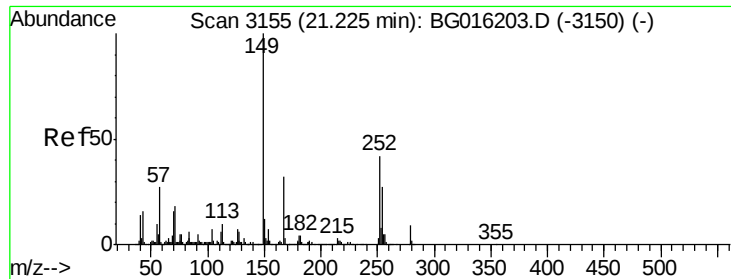


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.20 ng/ul

RT: 21.22 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG016214.D

Acq: 31 Mar 2015 23:31

Instrument :

BNA_G

ClientSampleId :

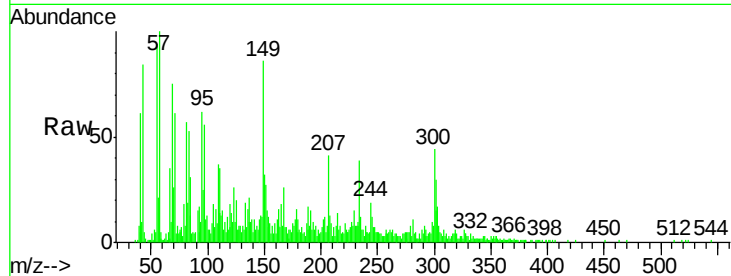
Tot Ion:149 Resp: 20578

Ion Ratio Lower Upper

149 100

167 30.0 25.2 37.8

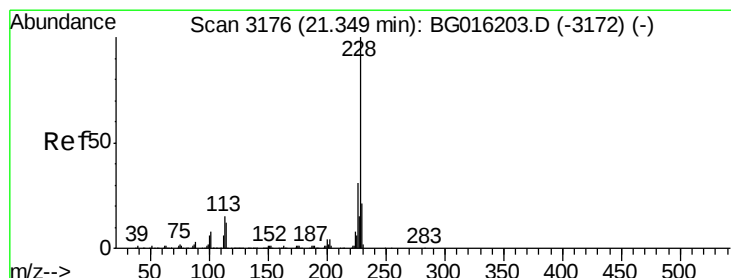
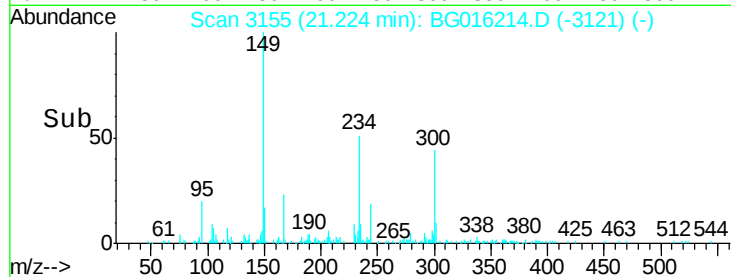
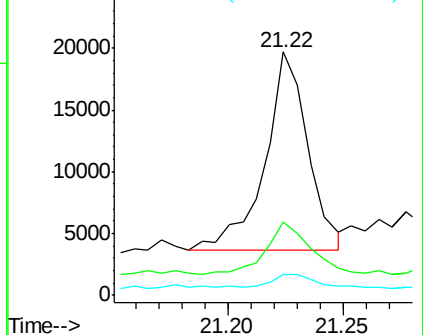
279 8.8 6.1 9.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 21.01 ng/ul

RT: 21.35 min Scan# 3177

Delta R.T. 0.00 min

Lab File: BG016214.D

Acq: 31 Mar 2015 23:31

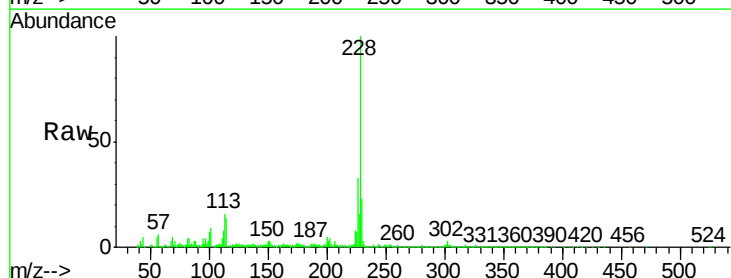
Tgt Ion:228 Resp: 493117

Ion Ratio Lower Upper

228 100

226 32.8 25.4 38.0

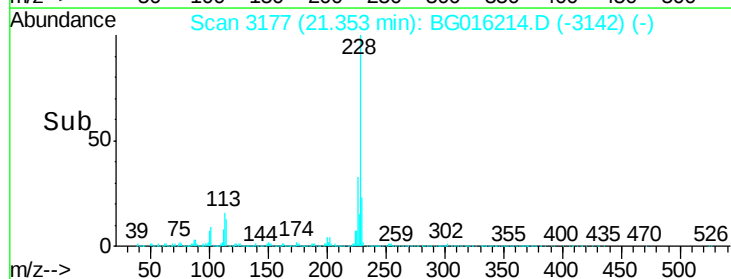
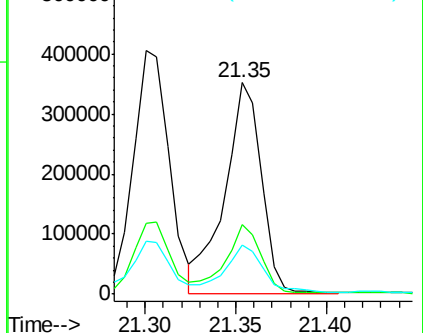
229 23.3 16.5 24.7

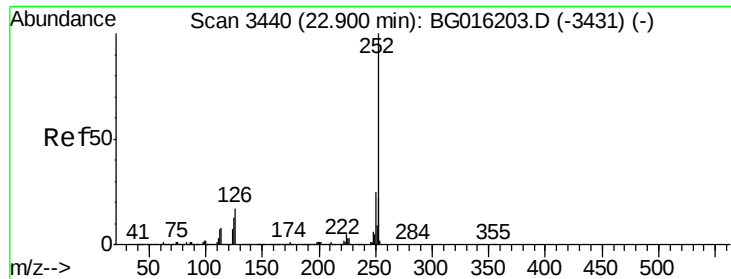


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 25.79 ng/ul

RT: 22.92 min Scan# 3443

Delta R.T. 0.02 min

Lab File: BG016214.D

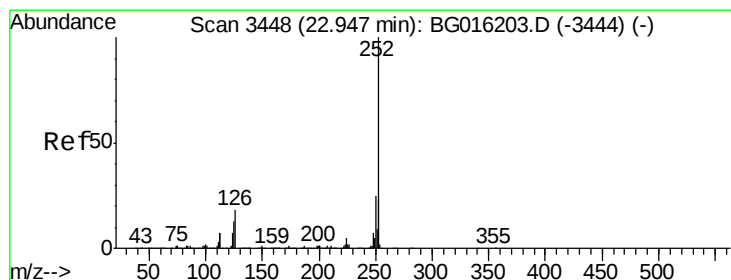
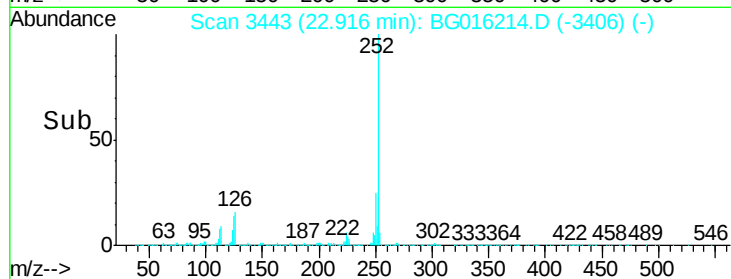
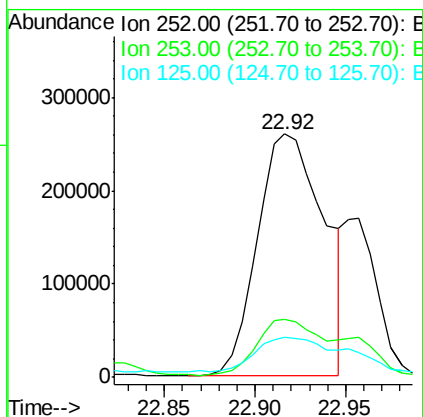
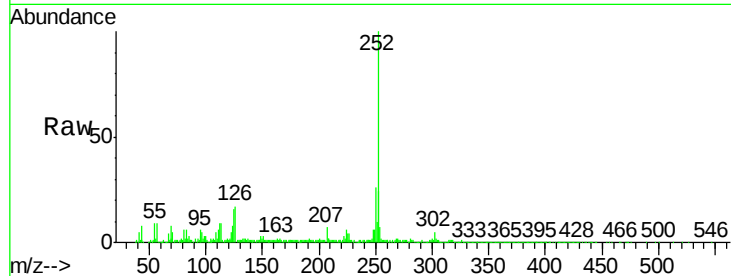
Acq: 31 Mar 2015 23:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252	Resp:	661216
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.8 26.6
125	16.4	10.6 15.8#



#86

Benzo(k)fluoranthene

Concen: 10.48 ng/ul

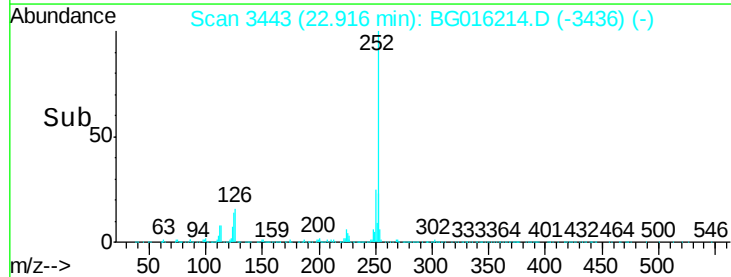
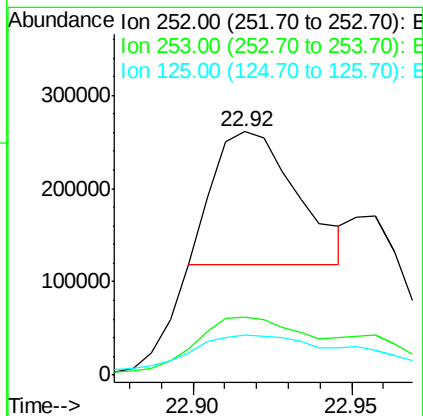
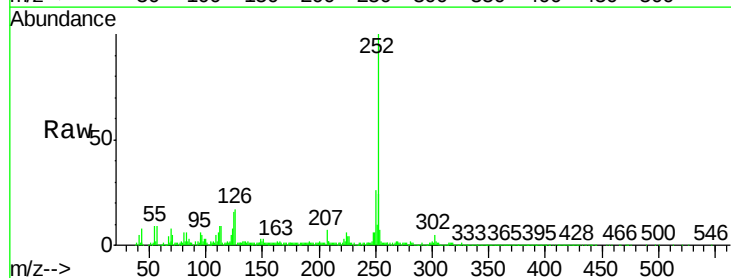
RT: 22.92 min Scan# 3443

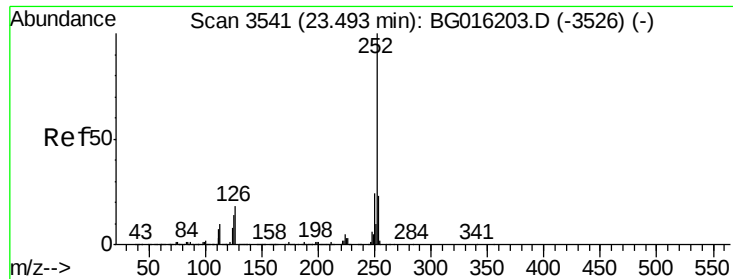
Delta R.T. -0.03 min

Lab File: BG016214.D

Acq: 31 Mar 2015 23:31

Tgt Ion:252	Resp:	258944
Ion Ratio	Lower	Upper
252	100	
253	23.7	18.6 28.0
125	16.4	11.8 17.6





#88

Benzo(a)pyrene

Concen: 19.15 ng/ul

RT: 23.51 min Scan# 3544

Delta R.T. 0.02 min

Lab File: BG016214.D

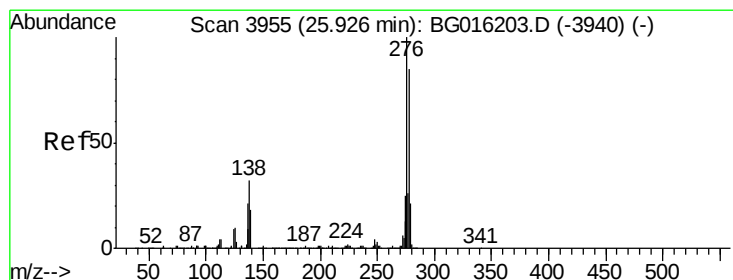
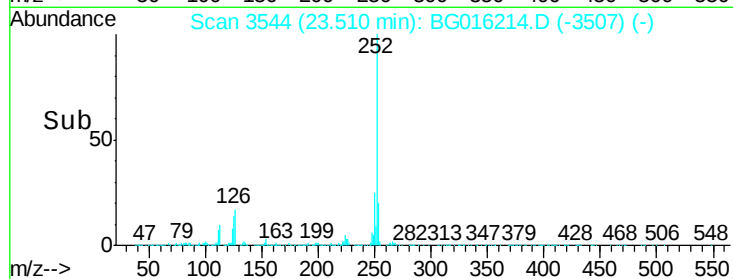
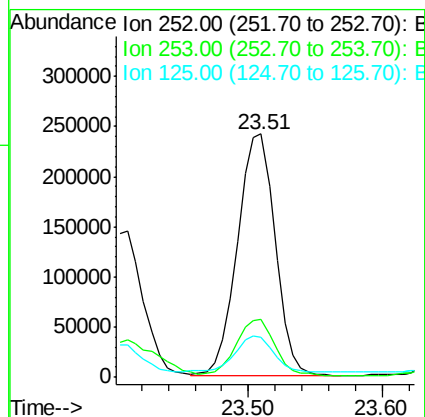
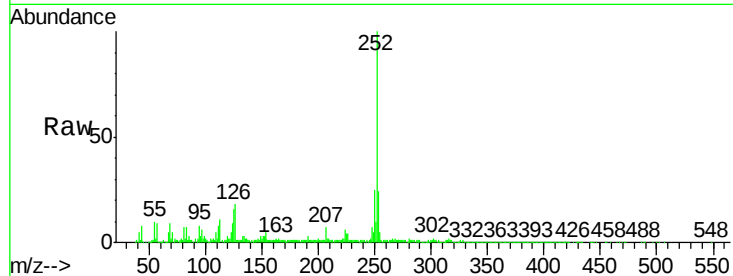
Acq: 31 Mar 2015 23:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252	Resp:	468106
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.7 26.5
125	16.4	12.1 18.1



#89

Indeno(1,2,3-cd)pyrene

Concen: 9.14 ng/ul

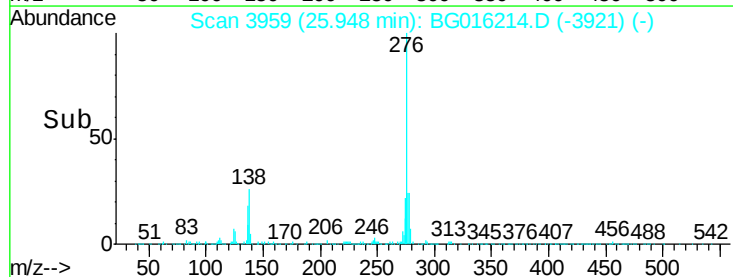
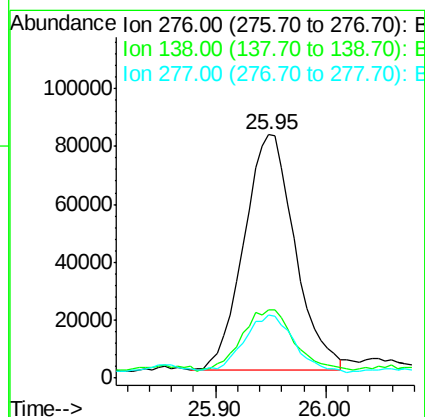
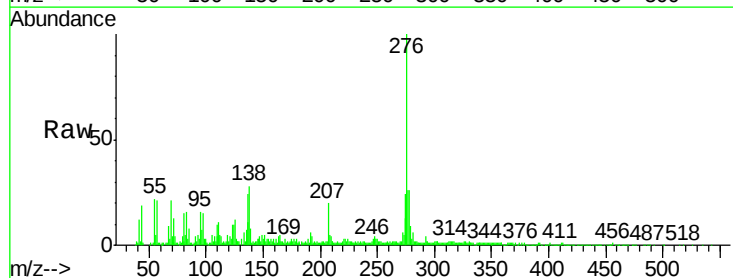
RT: 25.95 min Scan# 3959

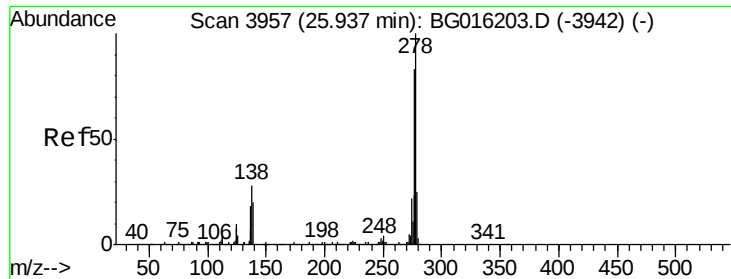
Delta R.T. 0.02 min

Lab File: BG016214.D

Acq: 31 Mar 2015 23:31

Tgt Ion:276	Resp:	261080
Ion Ratio	Lower	Upper
276	100	
138	28.1	27.0 40.6
277	25.8	21.8 32.6

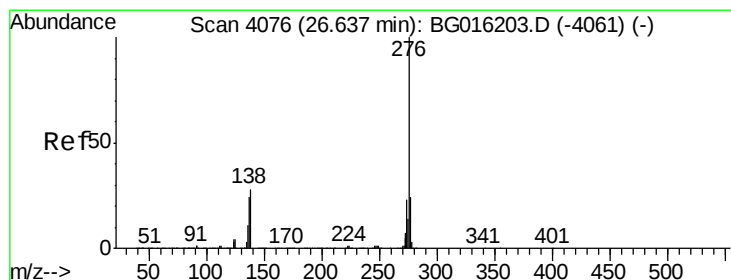
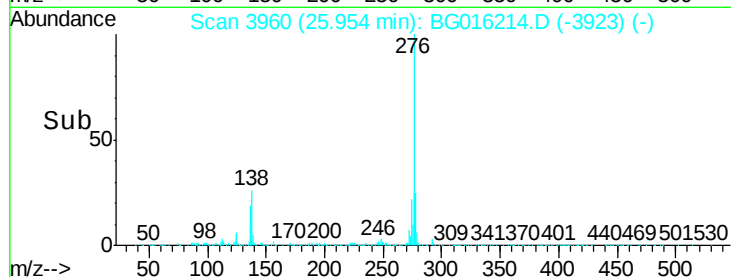
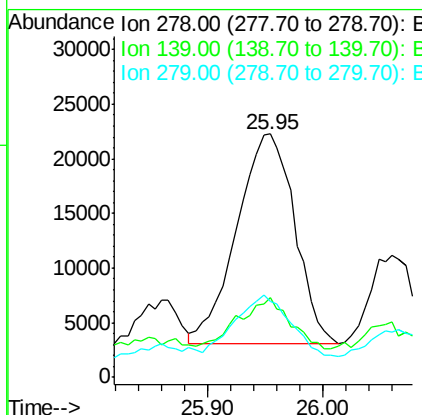
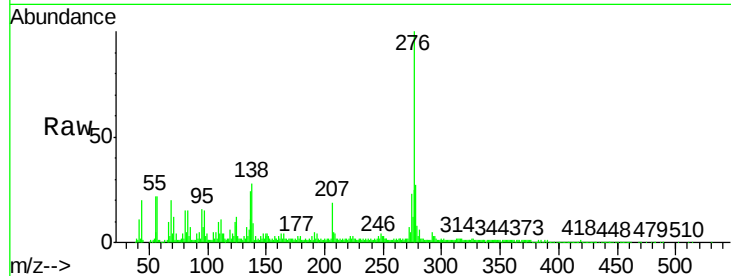




#90
Dibenzo(a,h)anthracene
Concen: 2.79 ng/ul
RT: 25.95 min Scan# 3960
Delta R.T. 0.02 min
Lab File: BG016214.D
Acq: 31 Mar 2015 23:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:278 Resp: 66498
Ion Ratio Lower Upper
278 100
139 33.0 16.5 24.7#
279 31.0 19.3 28.9#



#91
Benzo(g,h,i)perylene
Concen: 8.66 ng/ul
RT: 26.67 min Scan# 4082
Delta R.T. 0.03 min
Lab File: BG016214.D
Acq: 31 Mar 2015 23:31

Tgt Ion:276 Resp: 202369
Ion Ratio Lower Upper
276 100
138 29.8 21.0 31.6
277 24.8 19.2 28.8

