

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019696.D
 Acq On : 18 Nov 2015 19:42
 Operator : UM/NP
 Sample : G4427-12DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 03:12:09 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 19 03:06:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	24604	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	106349	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	87152	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.52	188	233340	20.00	ng/ul	0.00
78) Chrysene-d12	21.79	240	307080	20.00	ng/ul	0.00
86) Perylene-d12	25.11	264	299476	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	683	1.19	ng/uL	0.00
5) Phenol-d5	7.29	99	22713	9.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	15528	9.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	14828	9.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	19403	9.30	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	8063	9.23	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	9174	9.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	19851	9.34	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	18012	8.93	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	76068	9.65	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	79732	9.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	9204	7.41	ng/ul	0.00
58) Fluorene-d10	15.77	176	64325	9.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	5952	3.95	ng/ul	0.00
71) Anthracene-d10	17.62	188	107462	9.49	ng/ul	0.00
79) Pyrene-d10	19.90	212	120065	8.58	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.88	264	127927	8.18	ng/ul	0.00

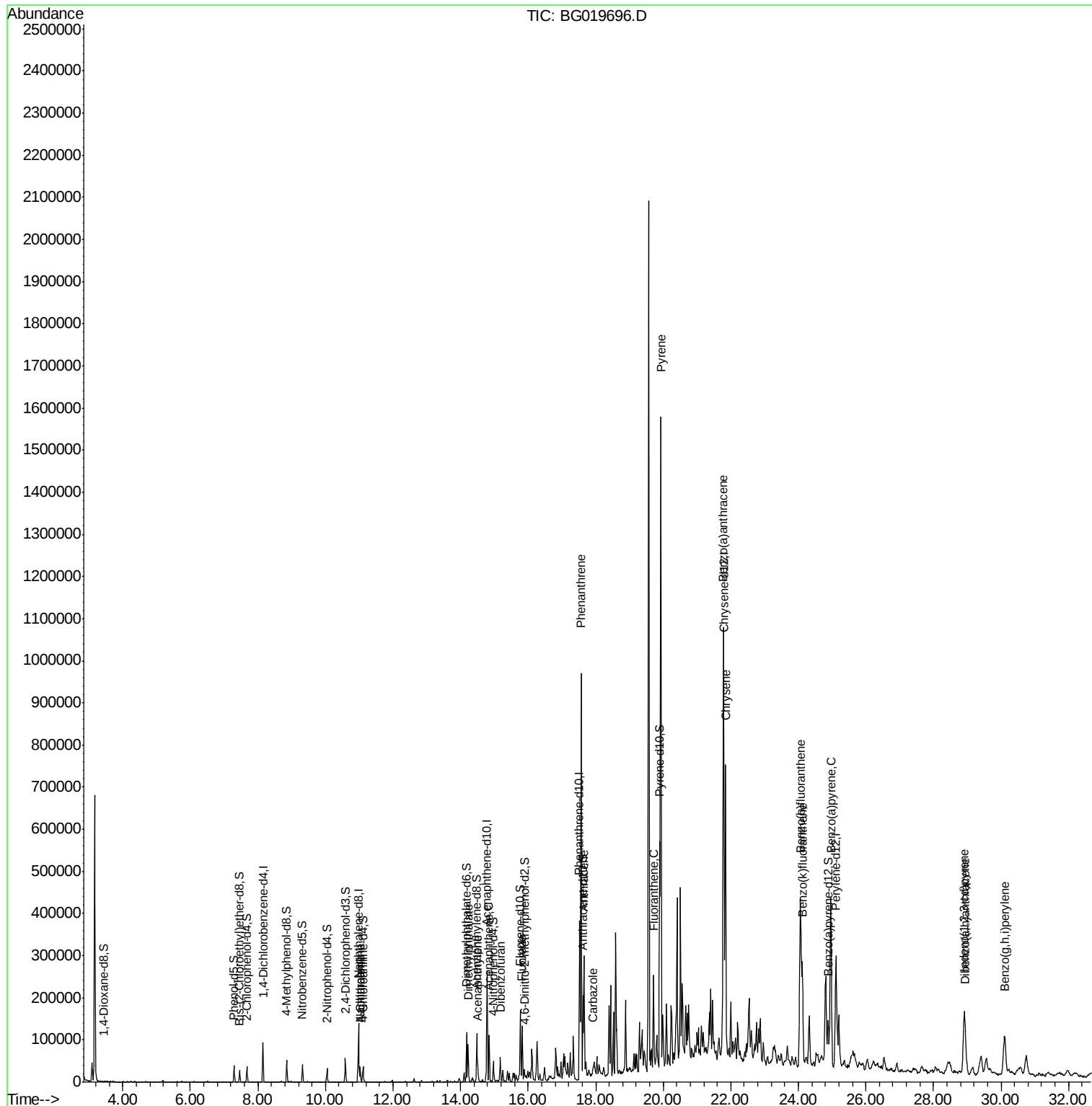
Target Compounds

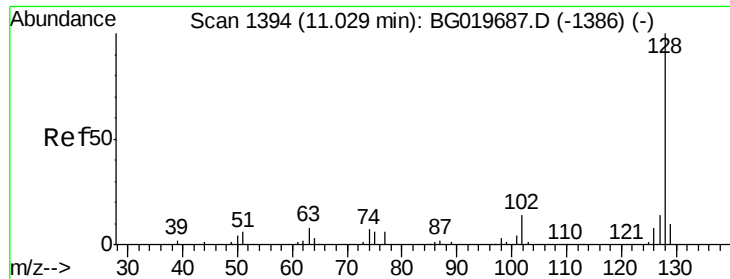
						Ovalue
28) Naphthalene	11.03	128	28922	5.04	ng/ul	97
30) 4-Chloroaniline	11.03	127	3906	1.86	ng/ul#	26
45) Dimethylphthalate	14.23	163	53588	6.86	ng/ul	99
48) Acenaphthylene	14.51	152	24383	2.86	ng/ul	96
50) Acenaphthene	14.84	153	44937	7.70	ng/ul	98
54) Dibenzofuran	15.18	168	26221	3.06	ng/ul	95
59) Fluorene	15.82	166	53653	7.17	ng/ul	99
70) Phenanthrene	17.57	178	586300	46.95	ng/ul	100
72) Anthracene	17.66	178	184838	14.68	ng/ul	99
75) Carbazole	17.92	167	10261	1.01	ng/ul#	89
77) Fluoranthene	19.71	202	138105	8.68	ng/ul	98
80) Pyrene	19.93	202	1037974	57.88	ng/ul	98
83) Benzo(a)anthracene	21.78	228	632425	33.98	ng/ul	95
85) Chrysene	21.84	228	481420	27.47	ng/ul	98
88) Benzo(b)fluoranthene	24.06	252	573921	31.10	ng/ul	98
89) Benzo(k)fluoranthene	24.11	252	199293	11.19	ng/ul	95
91) Benzo(a)pyrene	24.96	252	462794	26.05	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.90	276	119750	6.02	ng/ul#	94
93) Dibenzo(a,h)anthracene	28.95	278	69189	4.23	ng/ul#	85
94) Benzo(g,h,i)perylene	30.10	276	108396	6.57	ng/ul	97

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

```
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Operator  : UM/NP  
Sample    : G4427-12DL 2X  
Misc      :  
ALS Vial  : 27 Sample Multiplier: 1
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Quant Time: Nov 19 03:12:09 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG11615.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 19 03:06:25 2015
Response via : Initial Calibration

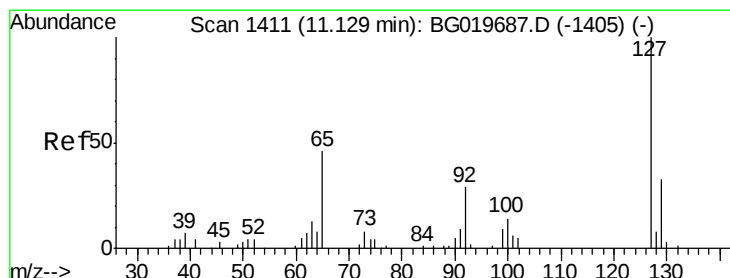
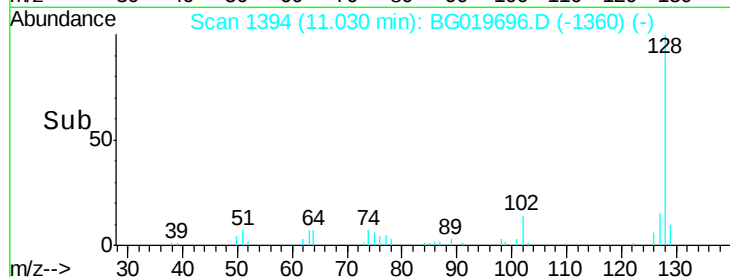
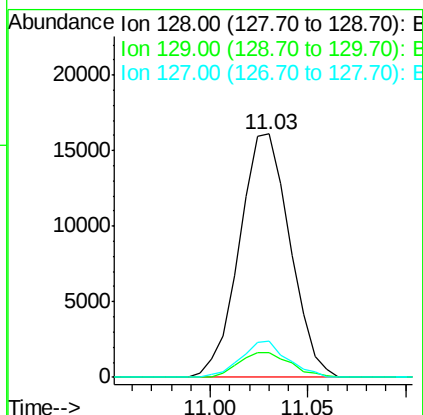
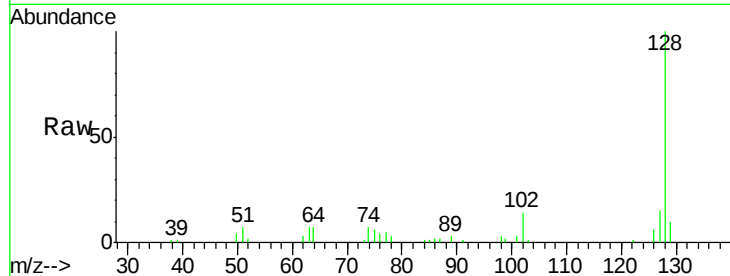




#28
Naphthalene
Concen: 5.04 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

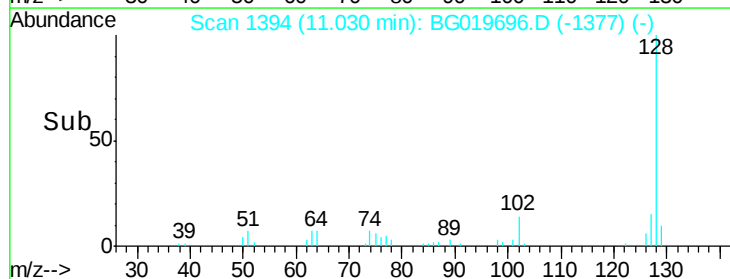
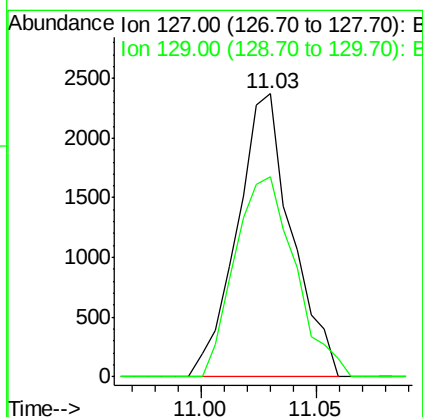
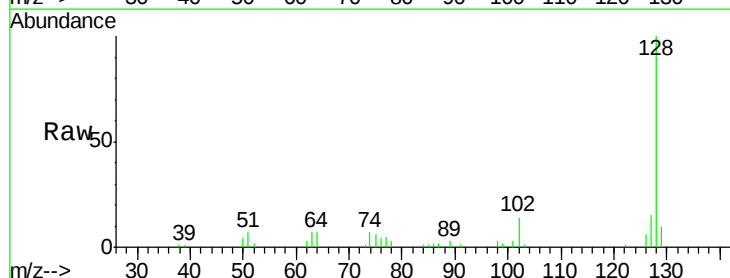
Instrument :
BNA_G
ClientSampleId :

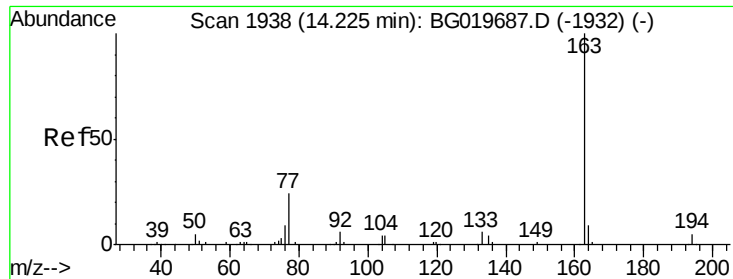
Tot Ion:128 Resp: 28922
Ion Ratio Lower Upper
128 100
129 10.4 8.1 12.1
127 14.7 10.0 15.0



#30
4-Chloroaniline
Concen: 1.86 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.10 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion:127 Resp: 3906
Ion Ratio Lower Upper
127 100
129 70.6 24.2 36.4#

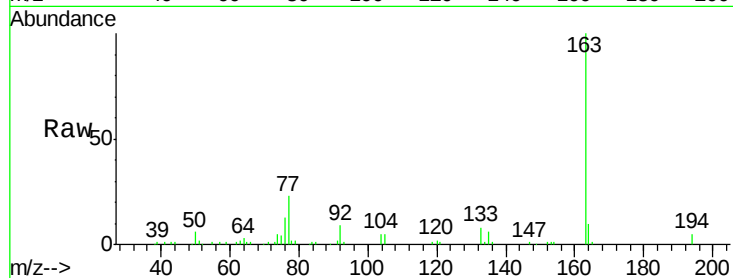




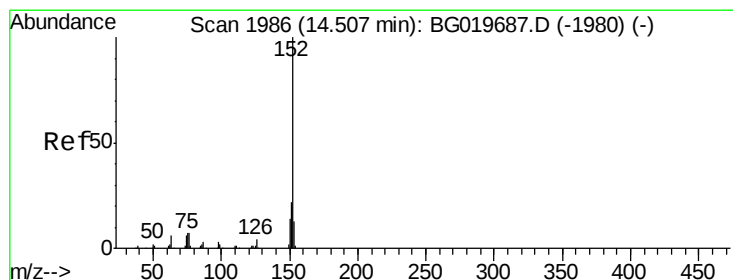
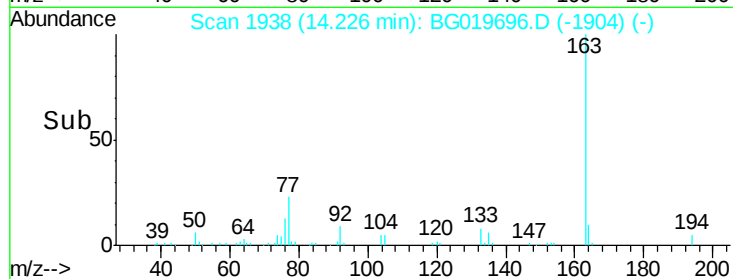
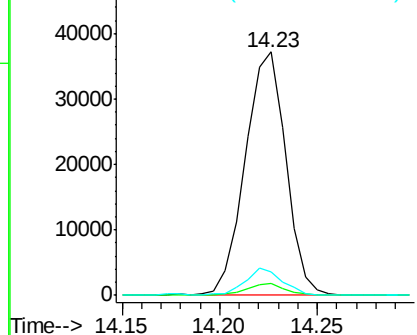
#45
Dimethylphthalate
Concen: 6.86 ng/ul
RT: 14.23 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 53588
Ion Ratio Lower Upper
163 100
194 4.8 3.5 5.3
164 9.8 8.3 12.5

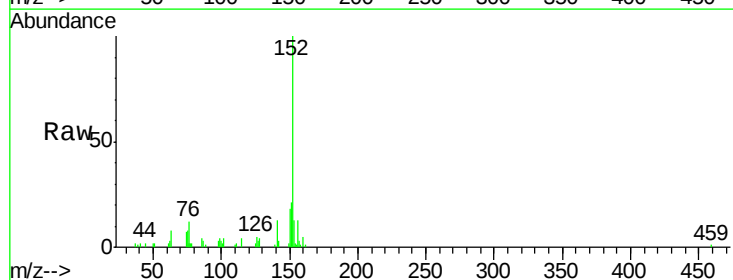


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

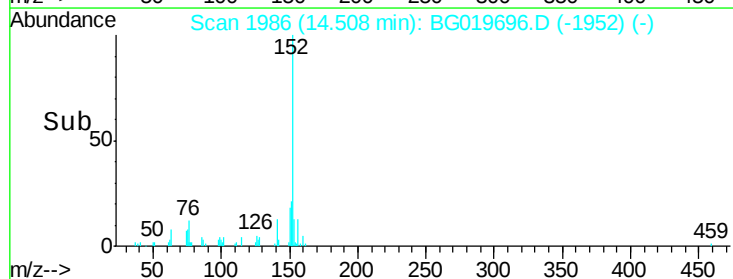
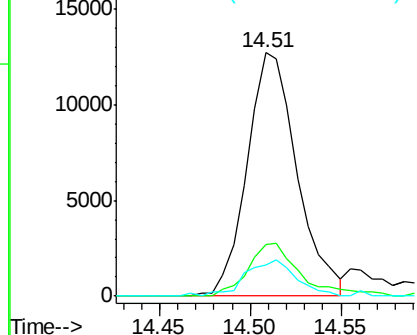


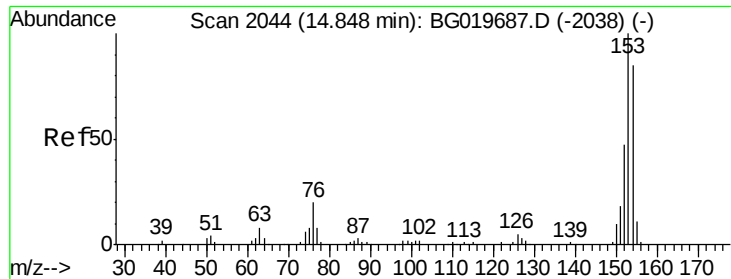
#48
Acenaphthylene
Concen: 2.86 ng/ul
RT: 14.51 min Scan# 1986
Delta R.T. 0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion:152 Resp: 24383
Ion Ratio Lower Upper
152 100
151 21.1 15.1 22.7
153 13.0 9.8 14.8



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





#50

Acenaphthene

Concen: 7.70 ng/ul

RT: 14.84 min Scan# 2043

Delta R.T. -0.00 min

Lab File: BG019696.D

Acq: 18 Nov 2015 19:42

Instrument :

BNA_G

ClientSampleId :

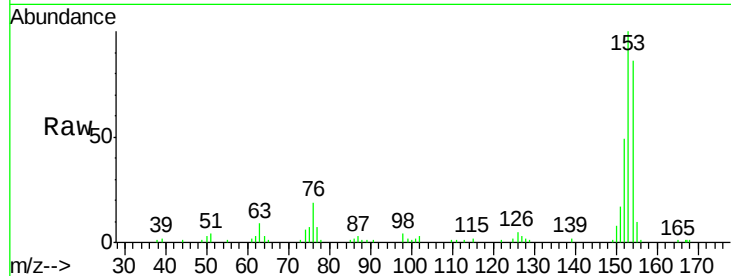
Tot Ion:153 Resp: 44937

Ion Ratio Lower Upper

153 100

152 48.8 40.9 61.3

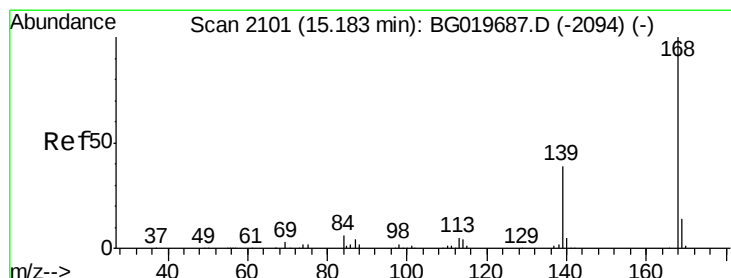
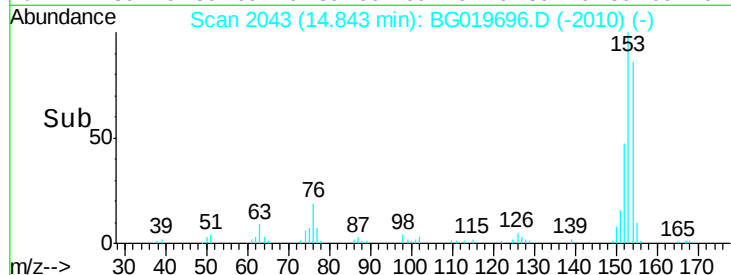
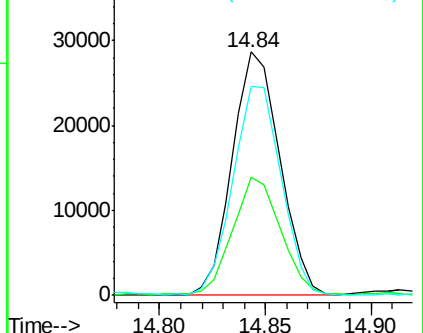
154 85.7 69.1 103.7



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



#54

Dibenzofuran

Concen: 3.06 ng/ul

RT: 15.18 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BG019696.D

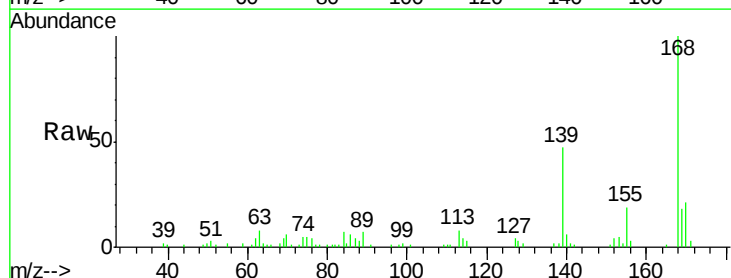
Acq: 18 Nov 2015 19:42

Tgt Ion:168 Resp: 26221

Ion Ratio Lower Upper

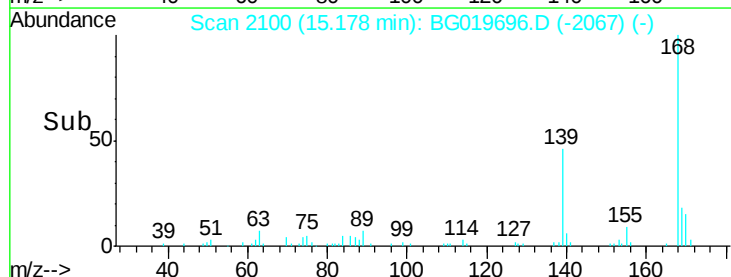
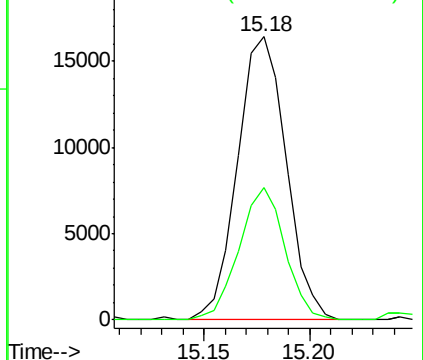
168 100

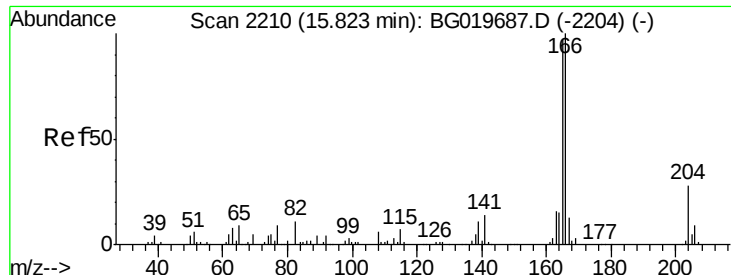
139 46.7 34.7 52.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 7.17 ng/ul

RT: 15.82 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BG019696.D

Acq: 18 Nov 2015 19:42

Instrument :

BNA_G

ClientSampleId :

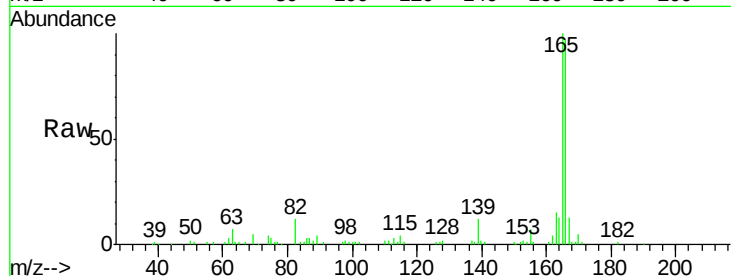
Tot Ion:166 Resp: 53653

Ion Ratio Lower Upper

166 100

165 102.8 81.4 122.2

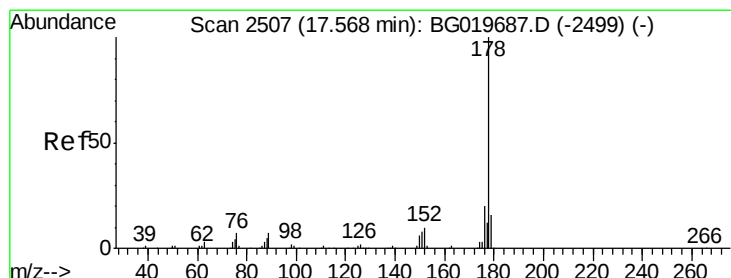
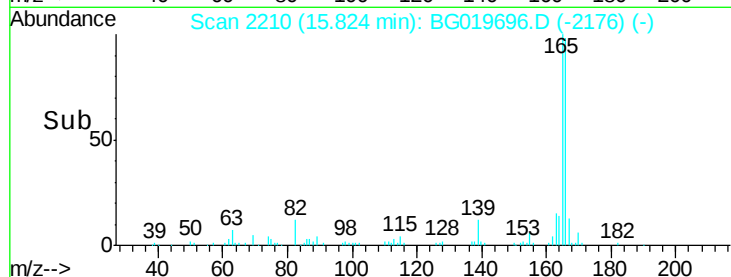
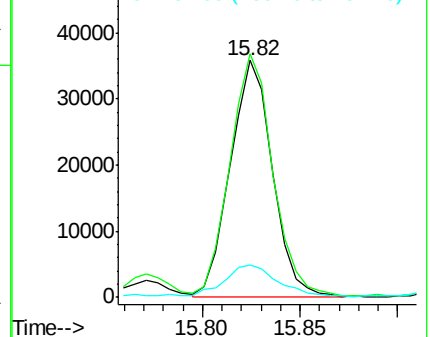
167 13.5 11.1 16.7



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



#70

Phenanthrene

Concen: 46.95 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG019696.D

Acq: 18 Nov 2015 19:42

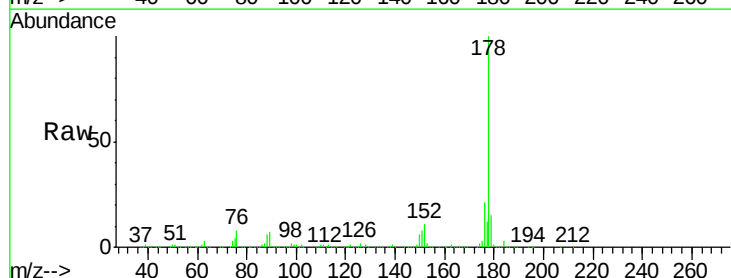
Tgt Ion:178 Resp: 586300

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

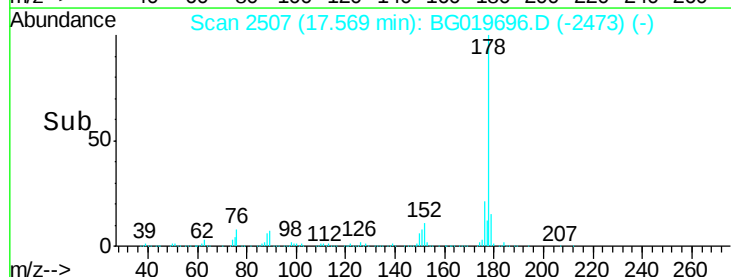
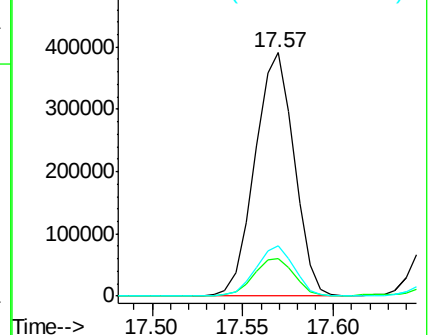
176 20.5 16.6 24.8

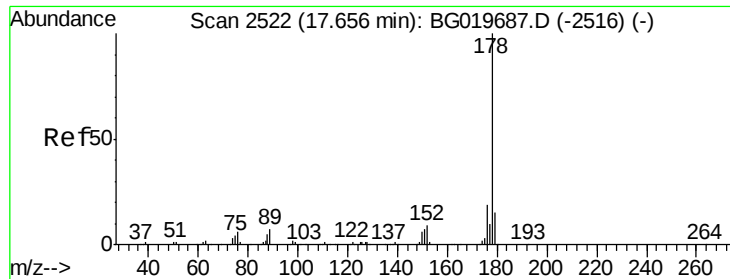


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 14.68 ng/ul

RT: 17.66 min Scan# 2522

Delta R.T. 0.00 min

Lab File: BG019696.D

Acq: 18 Nov 2015 19:42

Instrument :

BNA_G

ClientSampled :

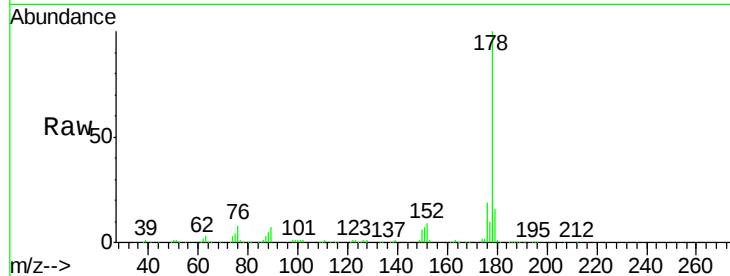
Tot Ion:178 Resp: 184838

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

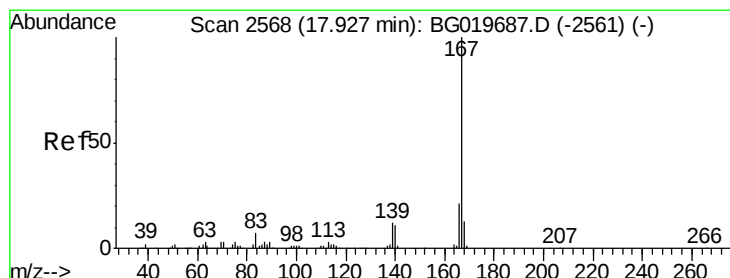
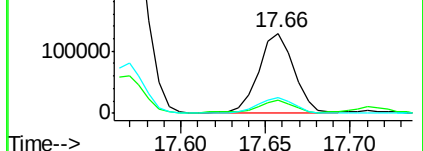
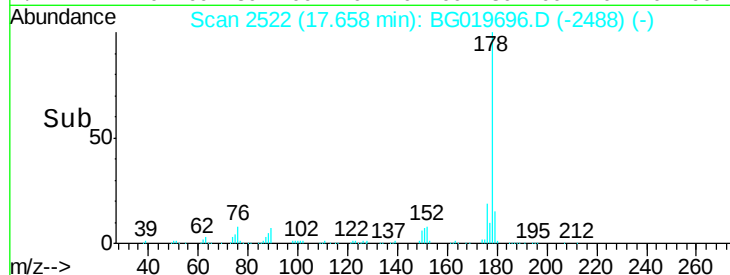
176 19.3 15.0 22.4



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



#75

Carbazole

Concen: 1.01 ng/ul

RT: 17.92 min Scan# 2567

Delta R.T. -0.00 min

Lab File: BG019696.D

Acq: 18 Nov 2015 19:42

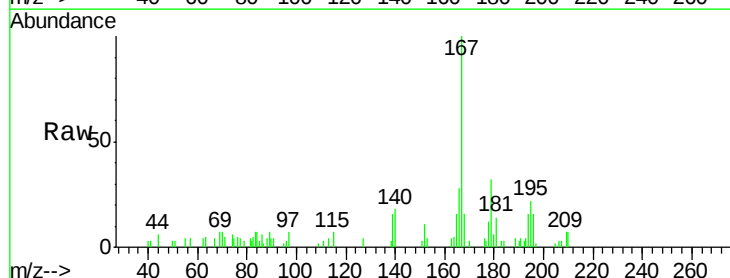
Tgt Ion:167 Resp: 10261

Ion Ratio Lower Upper

167 100

166 28.4 18.1 27.1#

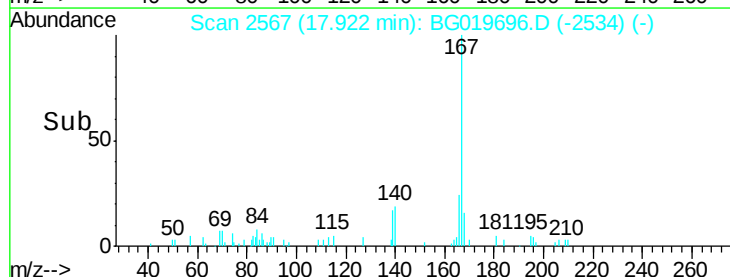
139 15.9 9.8 14.6#



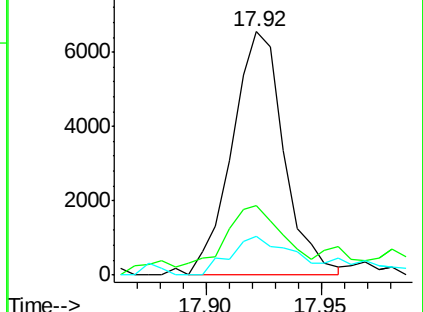
Abundance Ion 167.00 (166.70 to 167.70): E

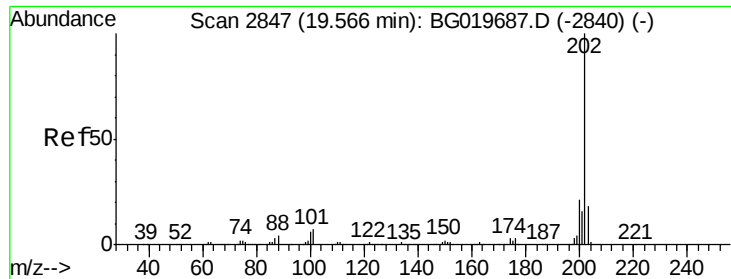
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->

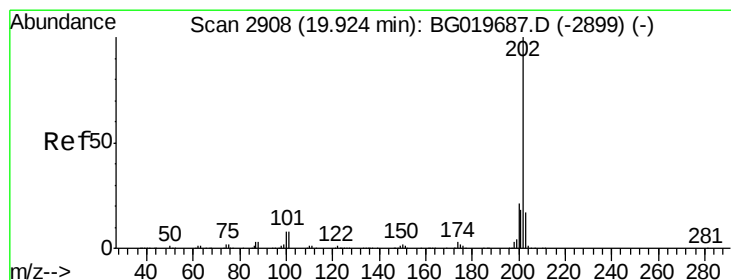
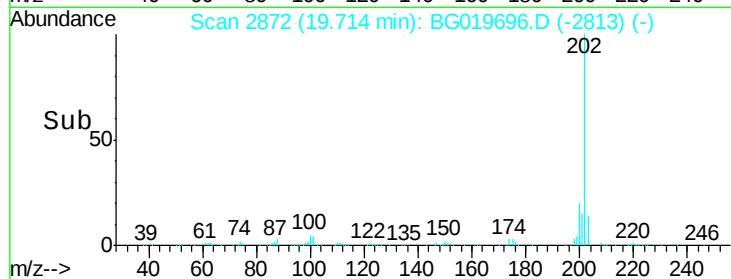
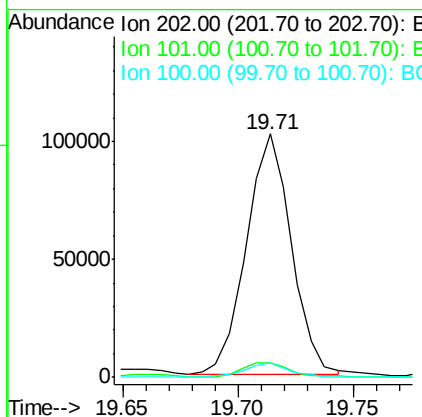
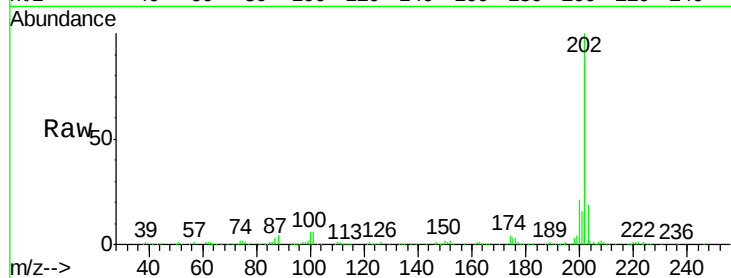




#77
 Fluoranthene
 Concen: 8.68 ng/ul
 RT: 19.71 min Scan# 2872
 Delta R.T. 0.15 min
 Lab File: BG019696.D
 Acq: 18 Nov 2015 19:42

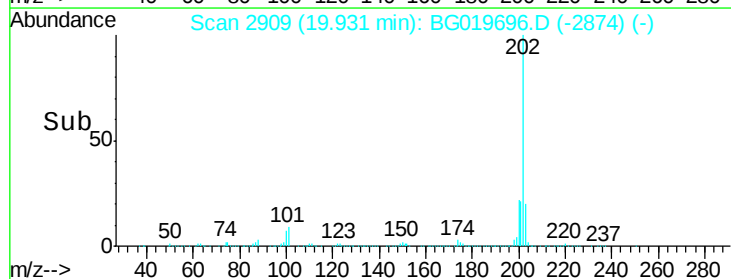
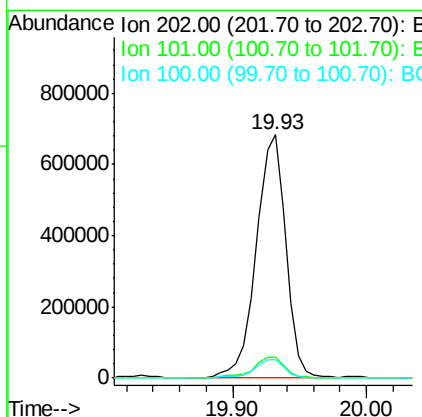
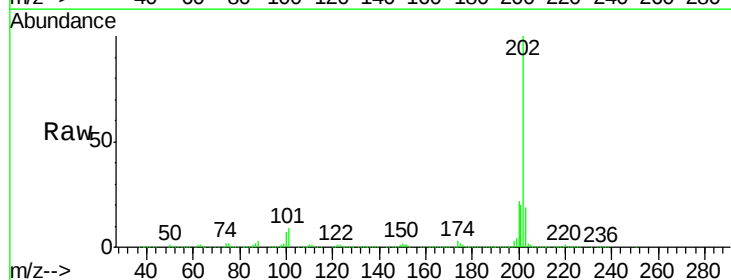
Instrument :
 BNA_G
 ClientSampleId :

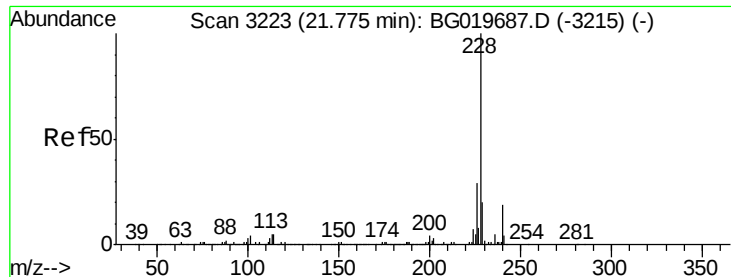
Tot Ion:202 Resp: 138105
 Ion Ratio Lower Upper
 202 100
 101 5.9 5.2 7.8
 100 5.7 5.0 7.4



#80
 Pyrene
 Concen: 57.88 ng/ul
 RT: 19.93 min Scan# 2909
 Delta R.T. 0.01 min
 Lab File: BG019696.D
 Acq: 18 Nov 2015 19:42

Tgt Ion:202 Resp: 1037974
 Ion Ratio Lower Upper
 202 100
 101 8.6 7.0 10.6
 100 7.4 6.6 10.0

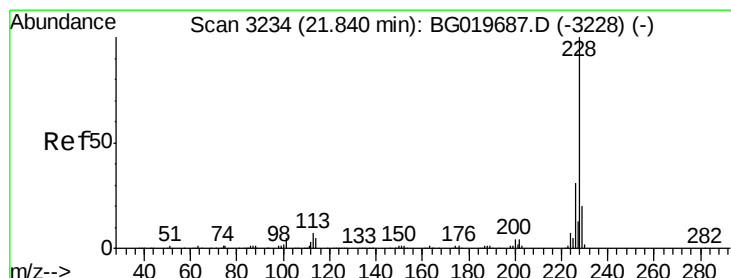
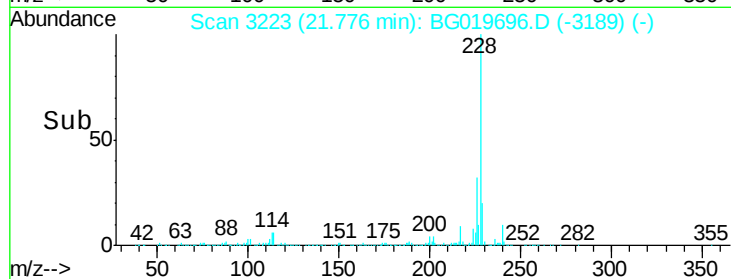
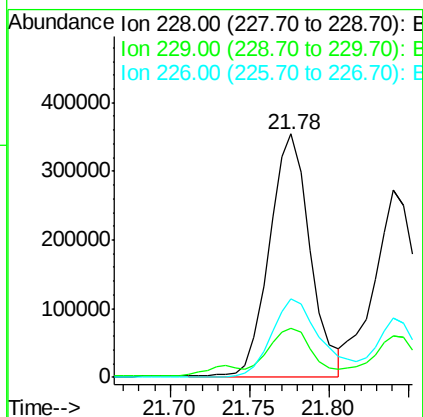
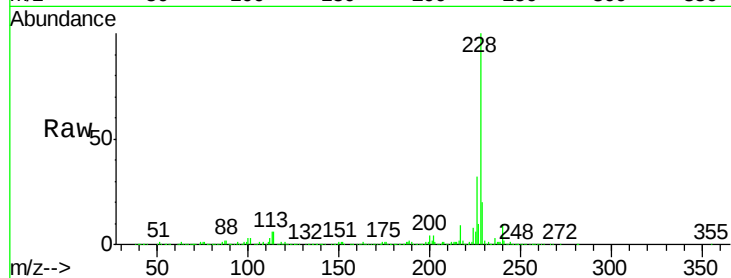




#83
Benzo(a)anthracene
Concen: 33.98 ng/ul
RT: 21.78 min Scan# 3223
Delta R.T. 0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

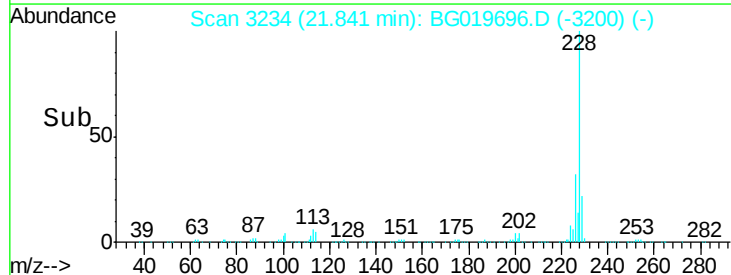
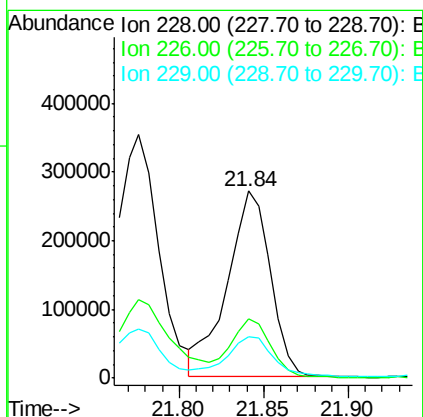
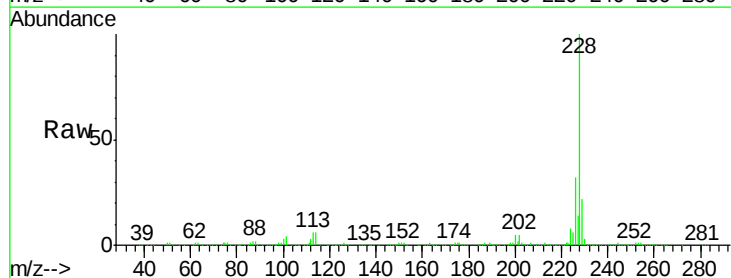
Instrument :
BNA_G
ClientSampleId :

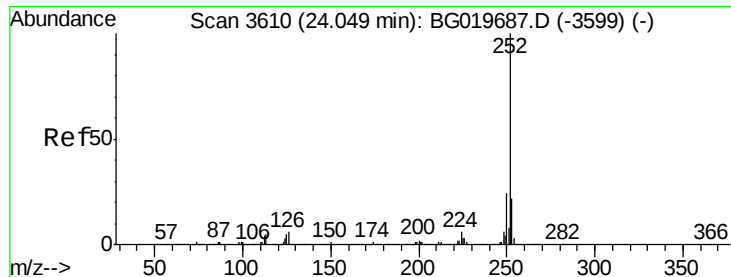
Tot Ion:228 Resp: 632425
Ion Ratio Lower Upper
228 100
229 20.1 15.7 23.5
226 32.5 22.6 33.8



#85
Chrysene
Concen: 27.47 ng/ul
RT: 21.84 min Scan# 3234
Delta R.T. 0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion:228 Resp: 481420
Ion Ratio Lower Upper
228 100
226 31.9 24.9 37.3
229 22.3 17.0 25.6

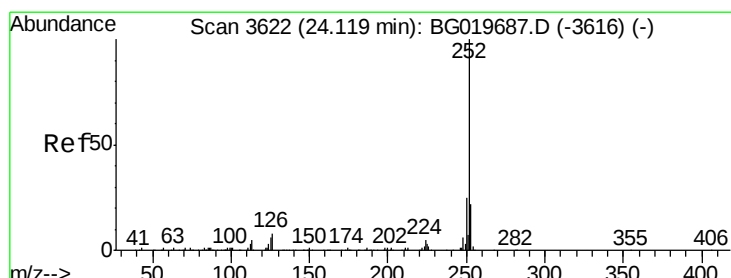
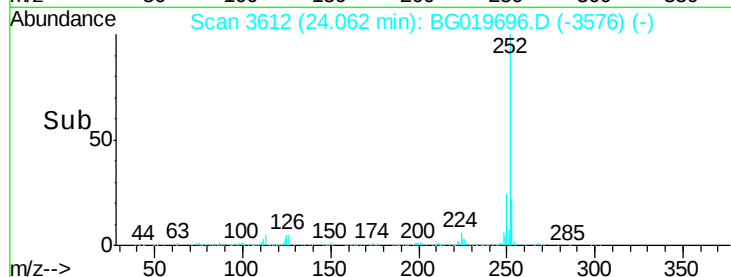
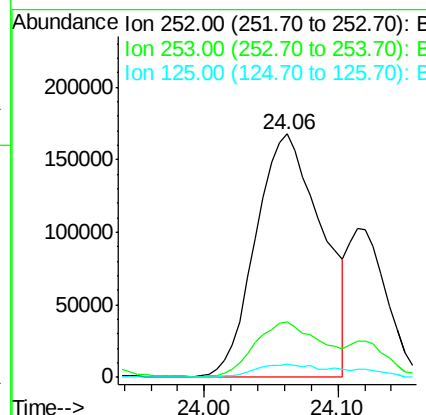
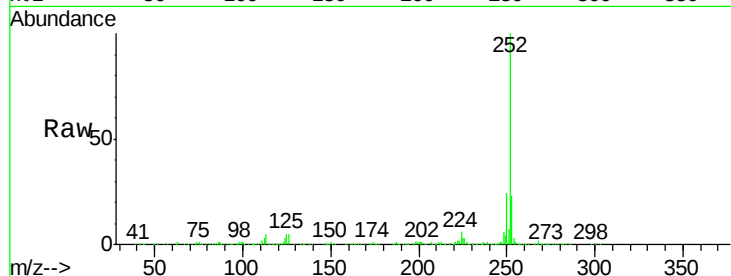




#88
Benzo(b)fluoranthene
Concen: 31.10 ng/ul
RT: 24.06 min Scan# 3612
Delta R.T. 0.01 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

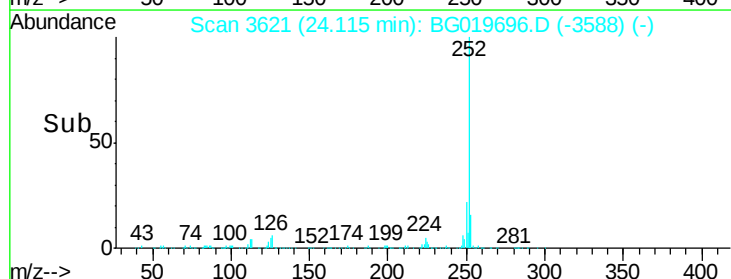
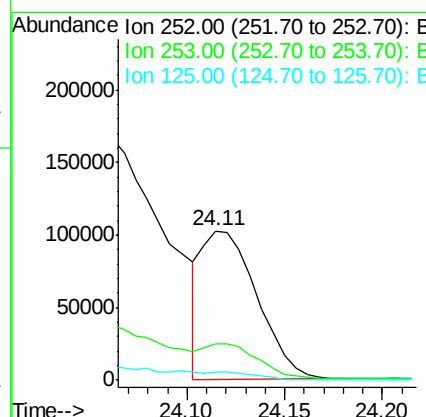
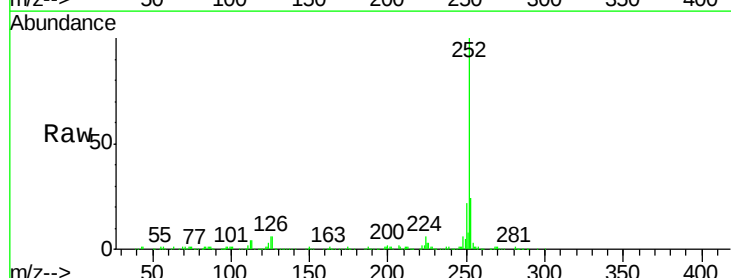
Instrument :
BNA_G
ClientSampleId :

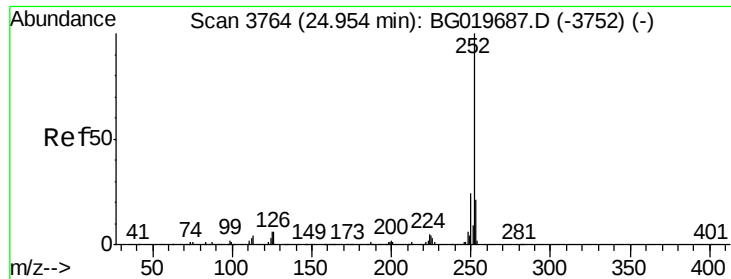
Tot Ion:252 Resp: 573921
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 5.5 4.2 6.4



#89
Benzo(k)fluoranthene
Concen: 11.19 ng/ul
RT: 24.11 min Scan# 3621
Delta R.T. -0.00 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion:252 Resp: 199293
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 5.5 4.4 6.6

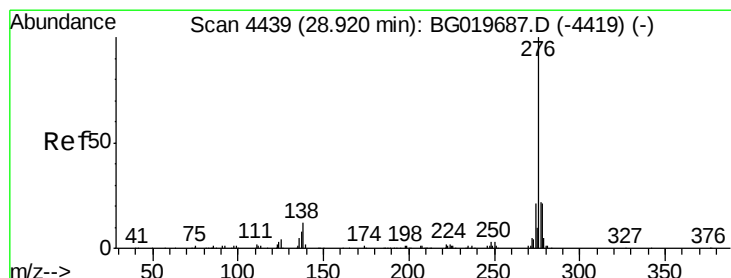
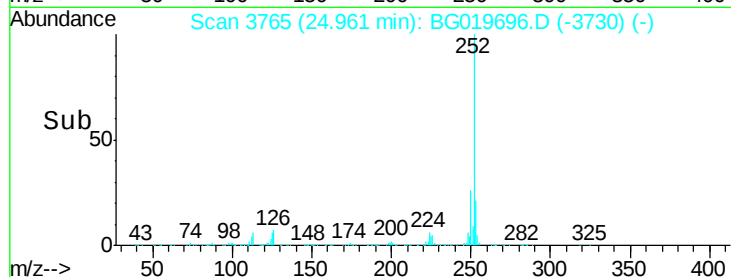
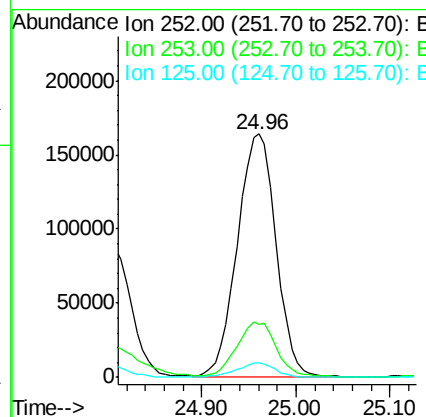
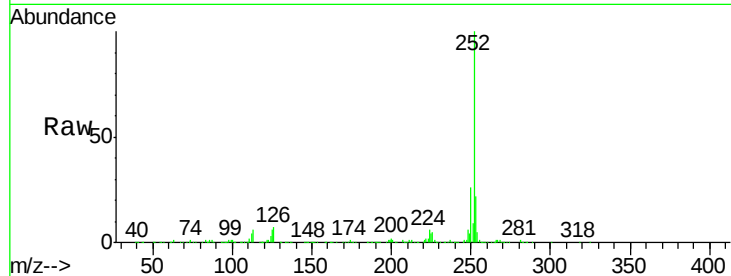




#91
Benzo(a)pyrene
Concen: 26.05 ng/ul
RT: 24.96 min Scan# 3765
Delta R.T. 0.01 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

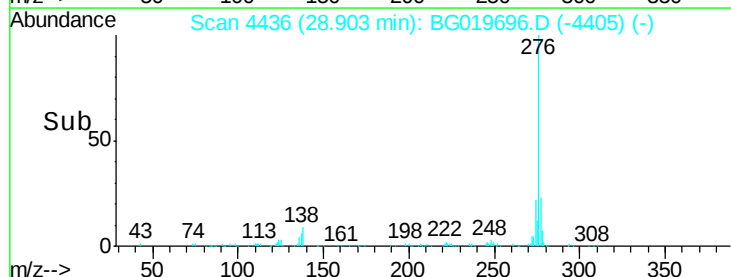
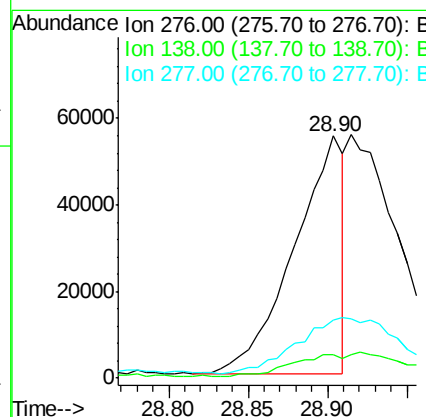
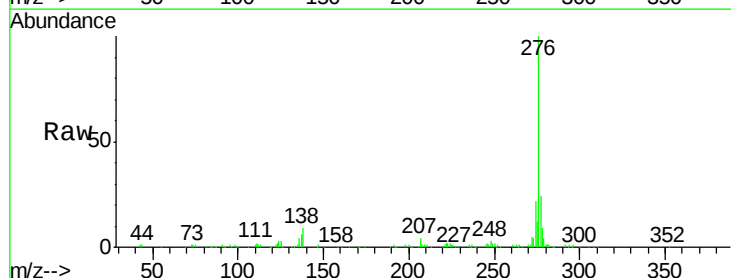
Instrument :
BNA_G
ClientSampled :

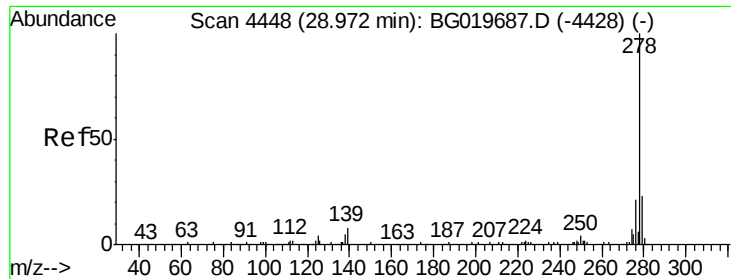
Tot Ion:252 Resp: 462794
Ion Ratio Lower Upper
252 100
253 21.7 16.9 25.3
125 6.1 5.4 8.0



#92
Indeno(1,2,3-cd)pyrene
Concen: 6.02 ng/ul
RT: 28.90 min Scan# 4436
Delta R.T. -0.02 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion:276 Resp: 119750
Ion Ratio Lower Upper
276 100
138 9.5 9.9 14.9#
277 24.0 21.3 31.9

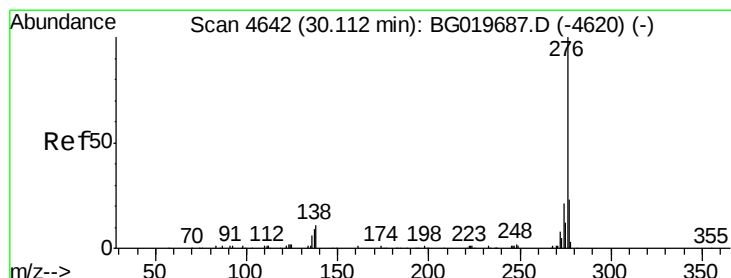
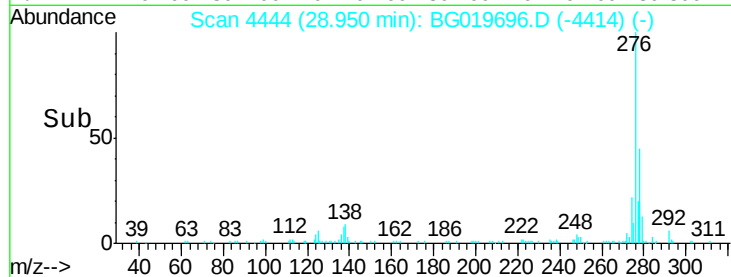
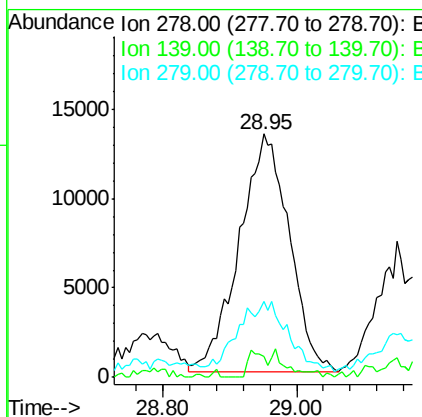
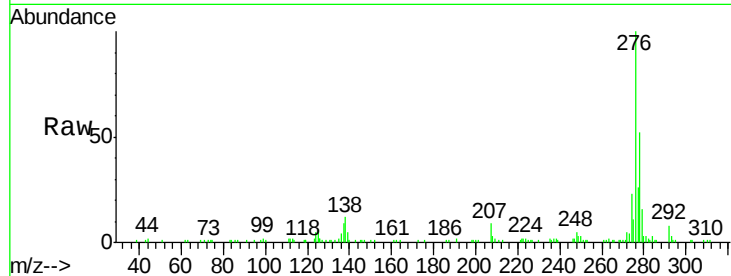




#93
Dibenzo(a,h)anthracene
Concen: 4.23 ng/ul
RT: 28.95 min Scan# 4444
Delta R.T. -0.02 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:278 Resp: 69189
Ion Ratio Lower Upper
278 100
139 8.8 5.9 8.9
279 31.4 18.2 27.2#



#94
Benzo(g,h,i)perylene
Concen: 6.57 ng/ul
RT: 30.10 min Scan# 4640
Delta R.T. -0.01 min
Lab File: BG019696.D
Acq: 18 Nov 2015 19:42

Tgt Ion:276 Resp: 108396
Ion Ratio Lower Upper
276 100
138 11.7 9.2 13.8
277 25.5 18.6 28.0

