

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019681.D
 Acq On : 18 Nov 2015 4:39
 Operator : UM/NP
 Sample : G4427-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 18 07:25:19 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 18 03:01:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	31726	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	139562	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	108666	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	279750	20.00	ng/ul	0.00
78) Chrysene-d12	21.80	240	335491	20.00	ng/ul	0.01
86) Perylene-d12	25.12	264	330394	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	2344	3.15	ng/uL	0.00
5) Phenol-d5	7.29	99	60895	18.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	41041	19.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	38114	18.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	51183	19.02	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	21049	18.37	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	25459	19.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	53317	19.12	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	47571	17.97	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	192018	19.54	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	199492	18.73	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	27074	17.48	ng/ul	0.00
58) Fluorene-d10	15.77	176	161115	18.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	16433	9.09	ng/ul	0.00
71) Anthracene-d10	17.63	188	258445	19.03	ng/ul	0.00
79) Pyrene-d10	19.90	212	277724	18.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.89	264	298277	17.29	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.32	94	6081	1.73 ng/ul	95
28) Naphthalene	11.03	128	76319	10.12 ng/ul	99
30) 4-Chloroaniline	11.03	127	10421	3.79 ng/ul#	1
34) 2-Methylnaphthalene	12.62	142	10346	1.72 ng/ul	92
35) 1-Methylnaphthalene	12.84	142	6059	1.01 ng/ul#	91
45) Dimethylphthalate	14.22	163	137995	14.16 ng/ul	99
48) Acenaphthylene	14.51	152	62406	5.87 ng/ul#	97
50) Acenaphthene	14.85	153	112286	15.43 ng/ul	96
54) Dibenzofuran	15.18	168	66828	6.26 ng/ul	97
59) Fluorene	15.83	166	134674	14.43 ng/ul	98
70) Phenanthrene	17.57	178	1317606	88.01 ng/ul	95
72) Anthracene	17.66	178	434429	28.78 ng/ul	99
75) Carbazole	17.92	167	24849	2.05 ng/ul	96
77) Fluoranthene	19.72	202	325376	17.05 ng/ul	98
80) Pyrene	19.94	202	2118344	108.11 ng/ul#	92
83) Benzo(a)anthracene	21.78	228	1402655	68.98 ng/ul	90
85) Chrysene	21.85	228	1109976	57.98 ng/ul	96
88) Benzo(b)fluoranthene	24.07	252	1232746	60.55 ng/ul#	95
89) Benzo(k)fluoranthene	24.07	252	1232746	62.77 ng/ul	95
91) Benzo(a)pyrene	24.98	252	1068475	54.51 ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.94	276	601734	27.43 ng/ul	94
93) Dibenzo(a,h)anthracene	28.97	278	79890	4.43 ng/ul#	85
94) Benzo(g,h,i)perylene	30.14	276	467536	25.69 ng/ul	98

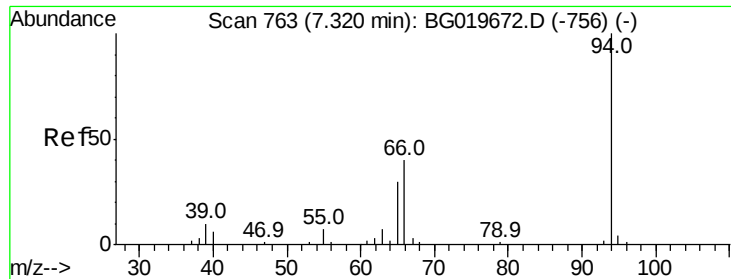
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 03:01:13 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 1.73 ng/ul

RT: 7.32 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Instrument :

BNA_G

ClientSampleId :

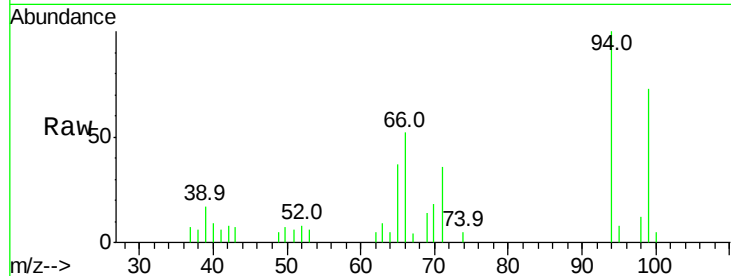
Tot Ion: 94 Resp: 6081

Ion Ratio Lower Upper

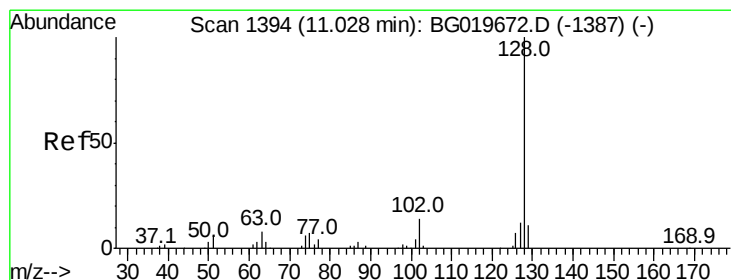
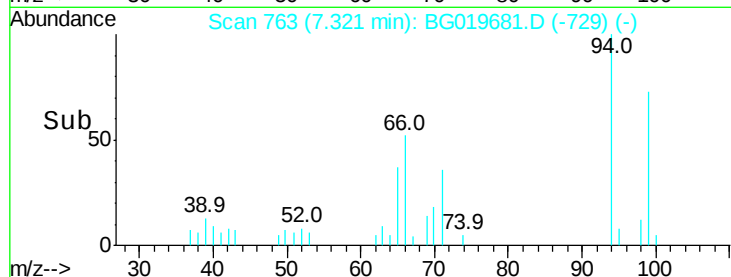
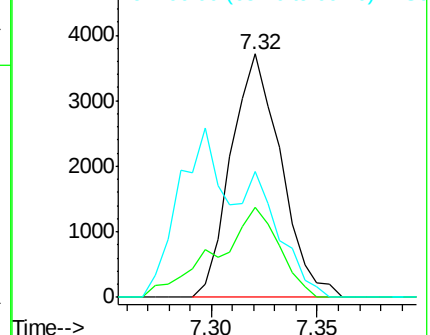
94 100

65 37.2 27.4 41.0

66 52.0 39.0 58.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 10.12 ng/ul

RT: 11.03 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

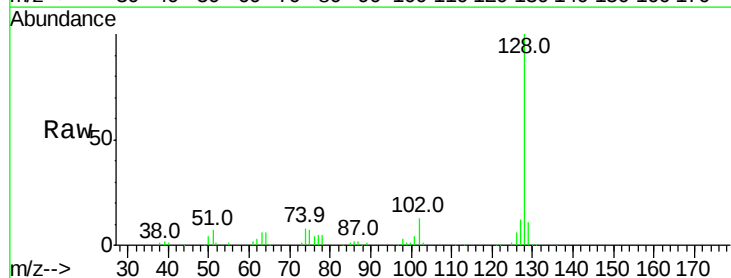
Tgt Ion: 128 Resp: 76319

Ion Ratio Lower Upper

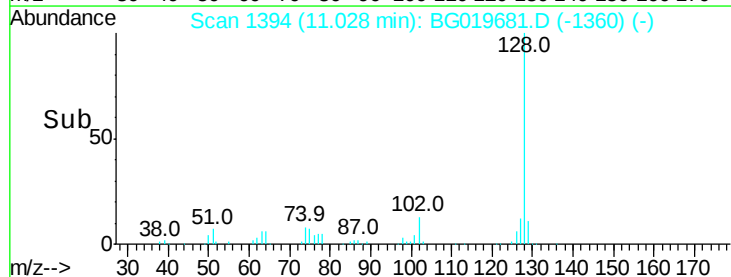
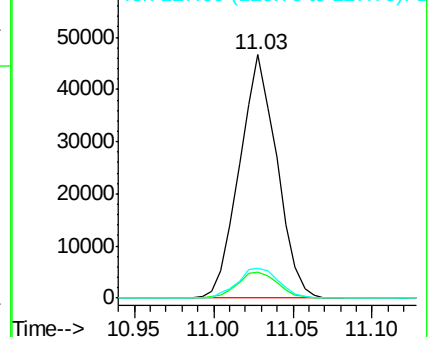
128 100

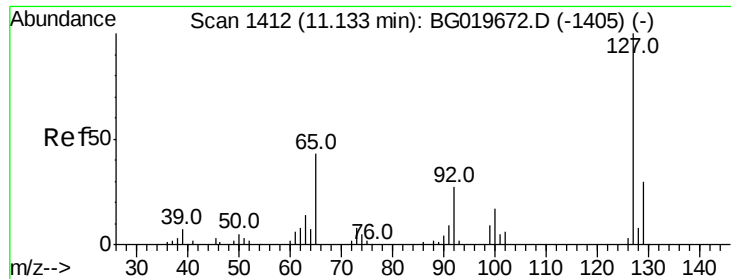
129 10.7 8.1 12.1

127 12.5 10.0 15.0



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





#30

4-Chloroaniline

Concen: 3.79 ng/ul

RT: 11.03 min Scan# 1394

Delta R.T. -0.11 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Instrument :

BNA_G

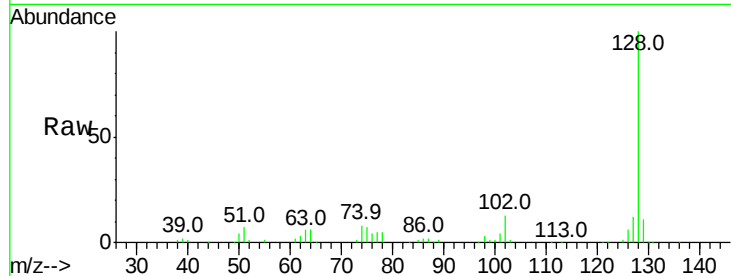
ClientSampleId :

Tot Ion:127 Resp: 10421

Ion Ratio Lower Upper

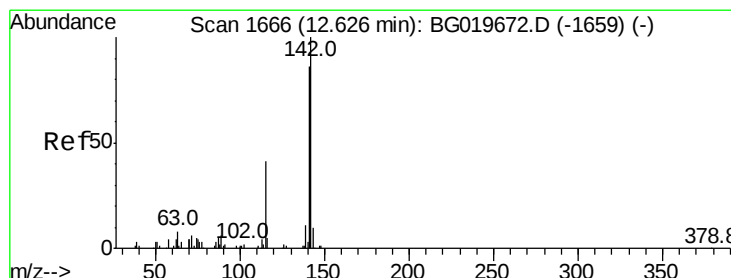
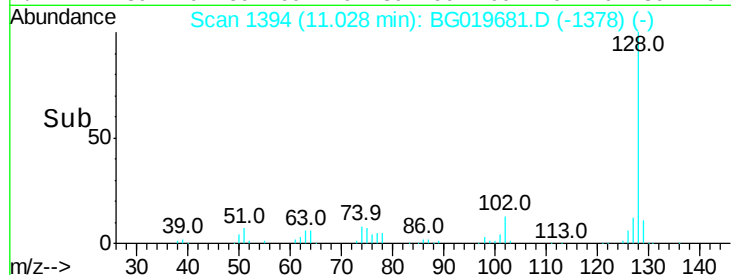
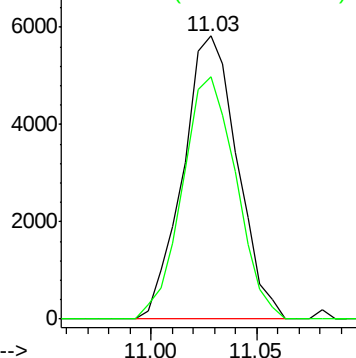
127 100

129 85.5 24.2 36.4#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 1.72 ng/ul

RT: 12.62 min Scan# 1665

Delta R.T. -0.01 min

Lab File: BG019681.D

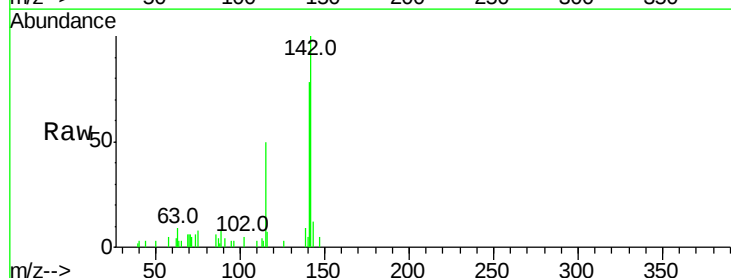
Acq: 18 Nov 2015 4:39

Tgt Ion:142 Resp: 10346

Ion Ratio Lower Upper

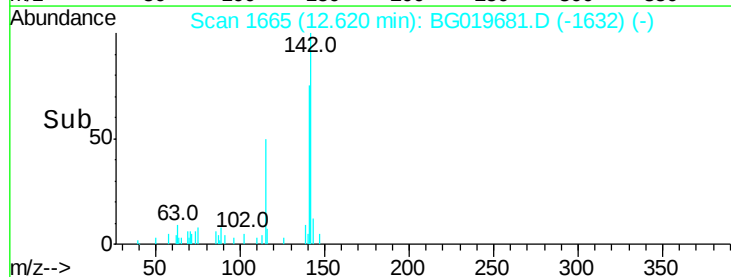
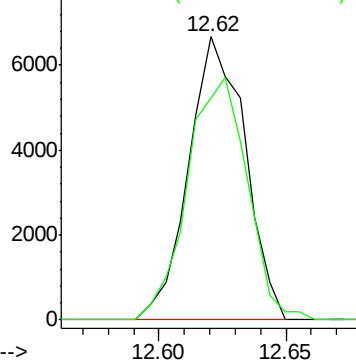
142 100

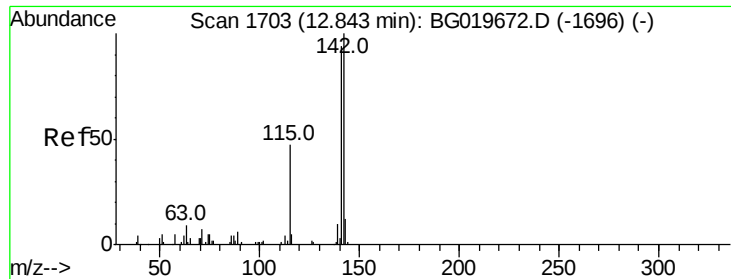
141 78.5 68.8 103.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

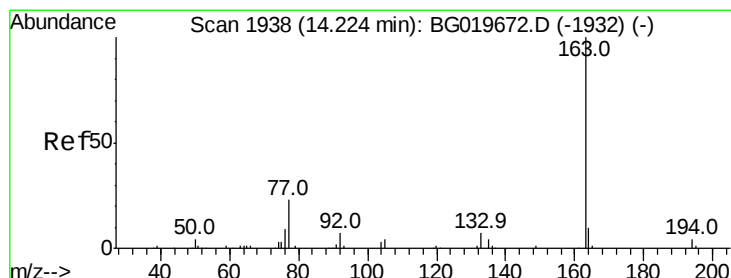
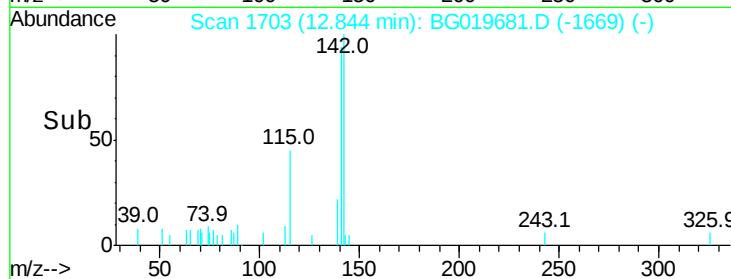
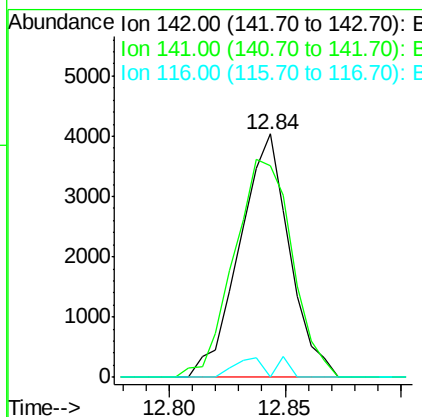
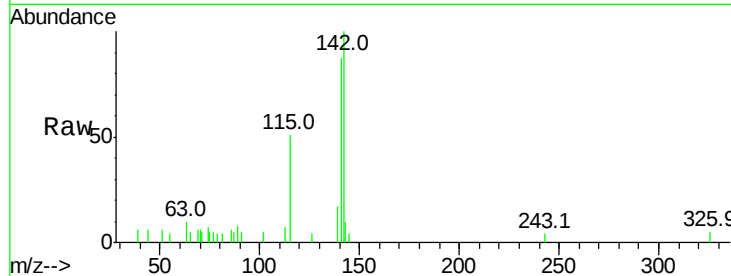




#35
1-Methylnaphthalene
Concen: 1.01 ng/ul
RT: 12.84 min Scan# 1703
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

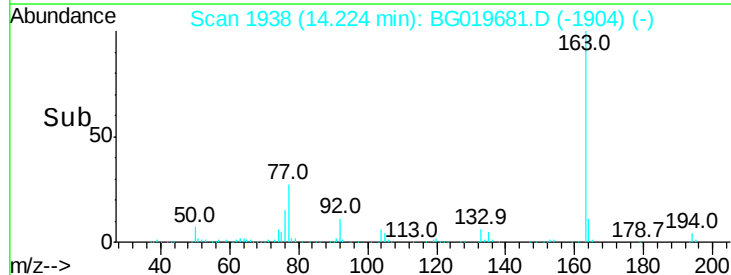
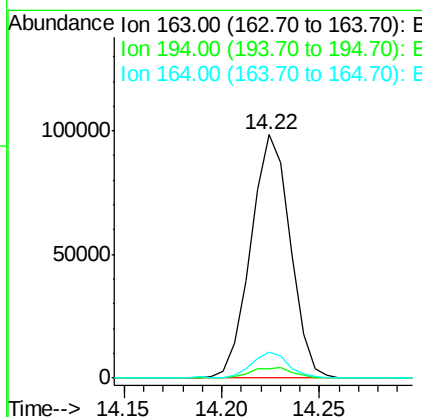
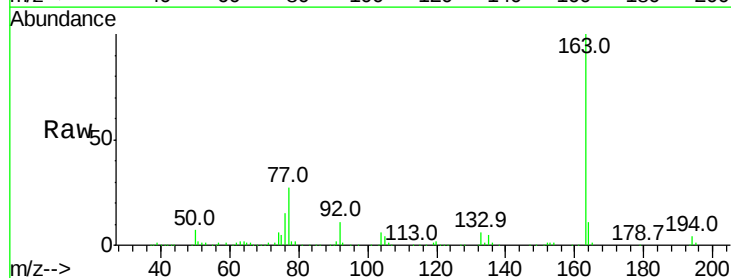
Instrument :
BNA_G
ClientSampled :

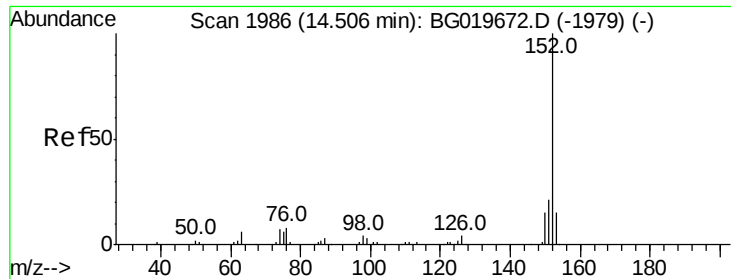
Tot Ion:142 Resp: 6059
Ion Ratio Lower Upper
142 100
141 87.1 76.6 114.8
116 0.0 4.1 6.1#



#45
Dimethylphthalate
Concen: 14.16 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:163 Resp: 137995
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.8 8.3 12.5





#48

Acenaphthylene

Concen: 5.87 ng/ul

RT: 14.51 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Instrument :

BNA_G

ClientSampleId :

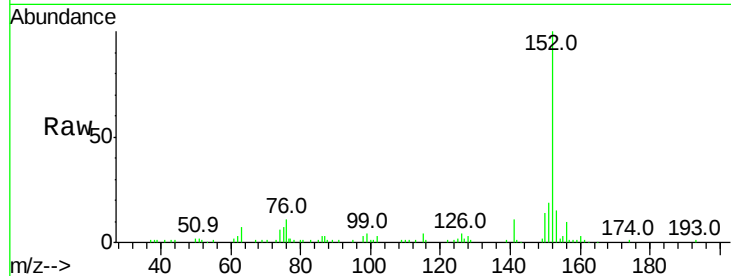
Tot Ion:152 Resp: 62406

Ion Ratio Lower Upper

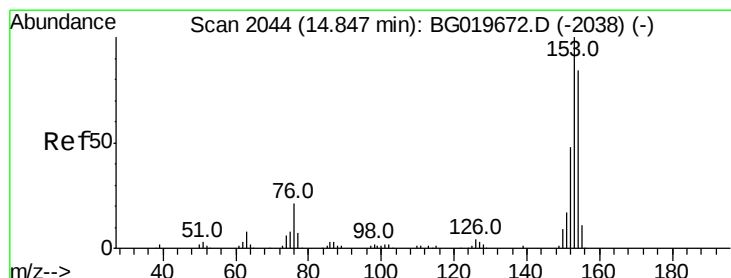
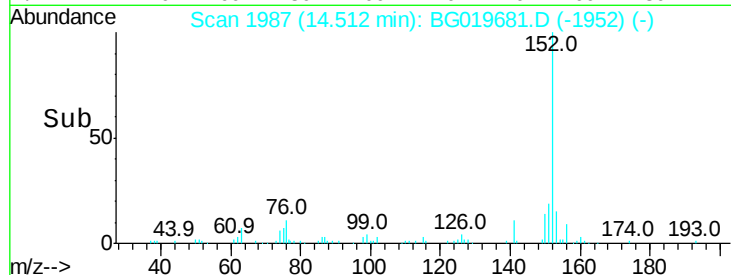
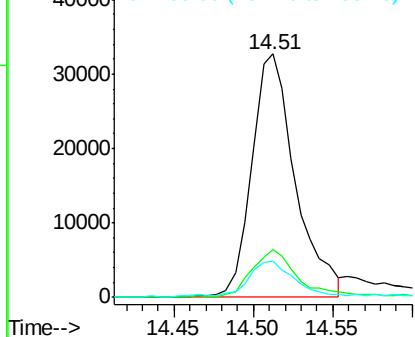
152 100

151 19.4 15.1 22.7

153 14.9 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: 15.43 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

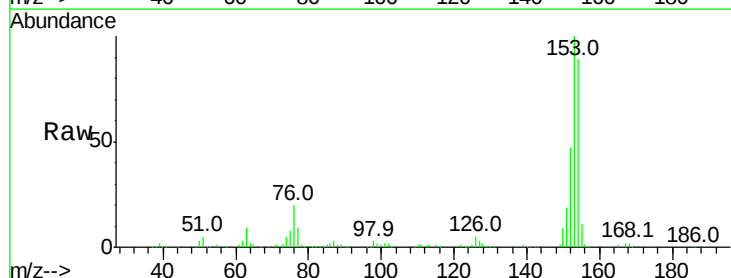
Tgt Ion:153 Resp: 112286

Ion Ratio Lower Upper

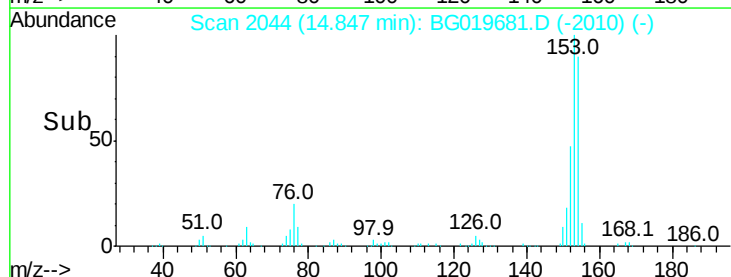
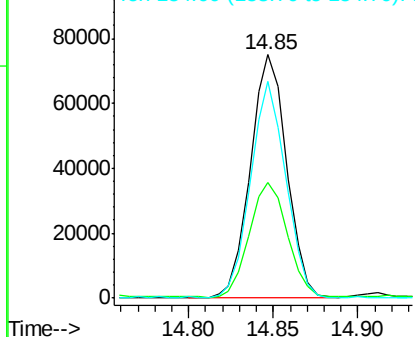
153 100

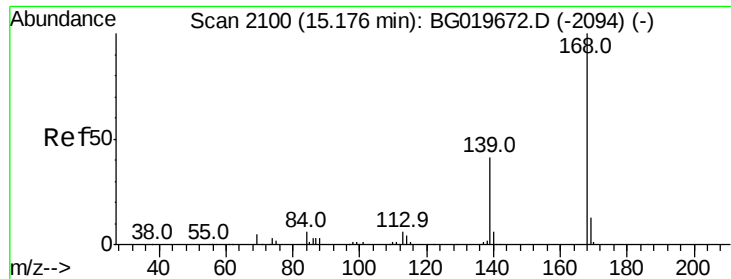
152 47.5 40.9 61.3

154 89.1 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

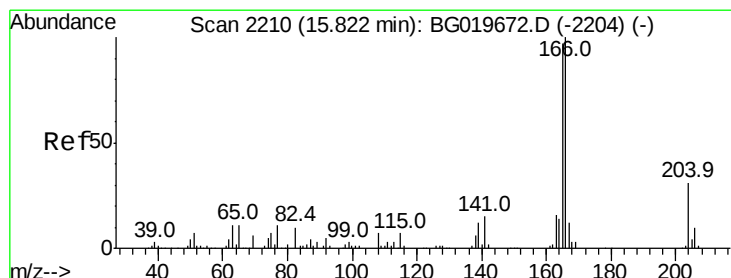
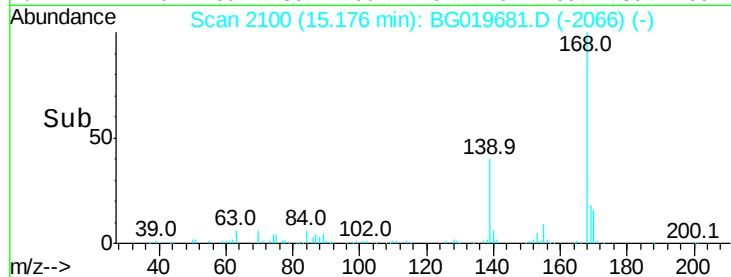
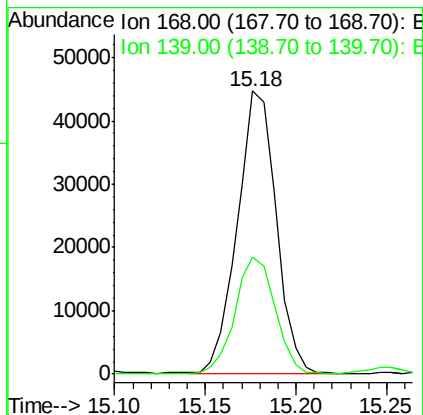
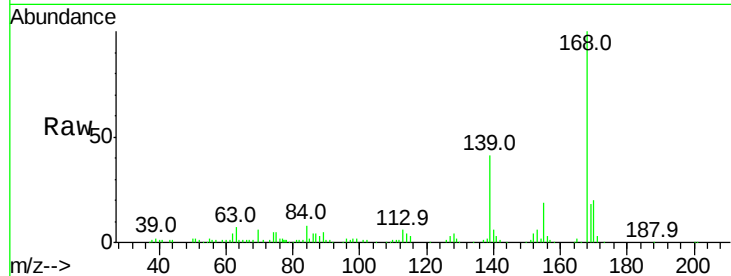




#54
Dibenzenofuran
Concen: 6.26 ng/ul
RT: 15.18 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

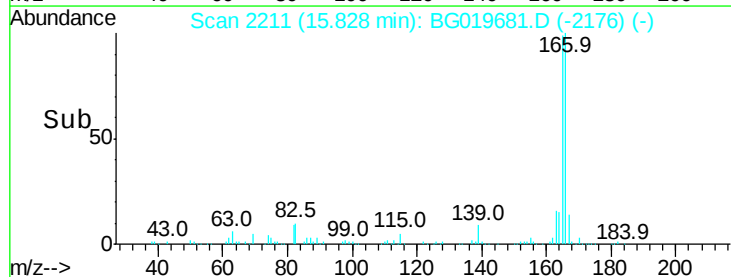
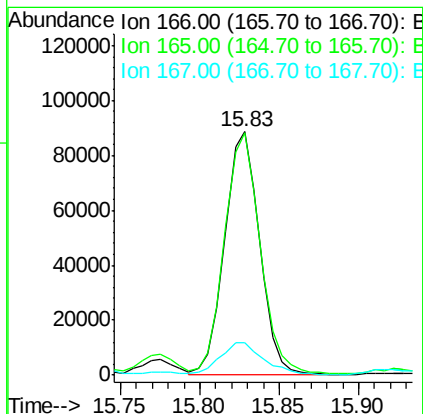
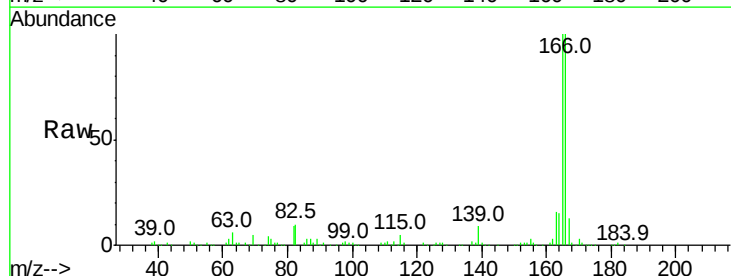
Instrument :
BNA_G
ClientSampleId :

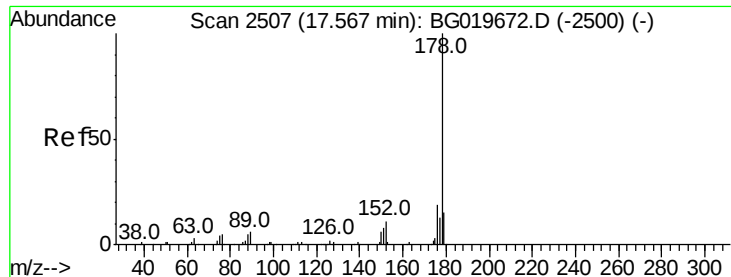
Tot Ion:168 Resp: 66828
Ion Ratio Lower Upper
168 100
139 41.2 34.7 52.1



#59
Fluorene
Concen: 14.43 ng/ul
RT: 15.83 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:166 Resp: 134674
Ion Ratio Lower Upper
166 100
165 99.6 81.4 122.2
167 13.5 11.1 16.7





#70

Phenanthrene

Concen: 88.01 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

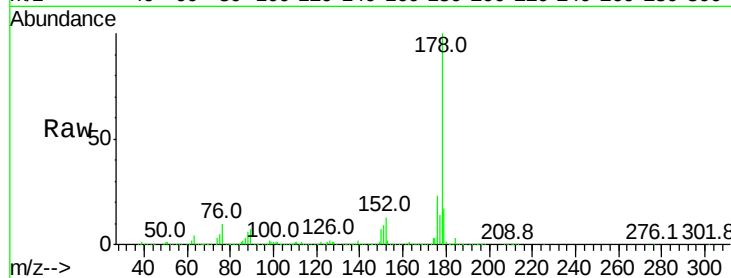
Instrument :

BNA_G

ClientSampled :

Tot Ion:178 Resp: 1317606

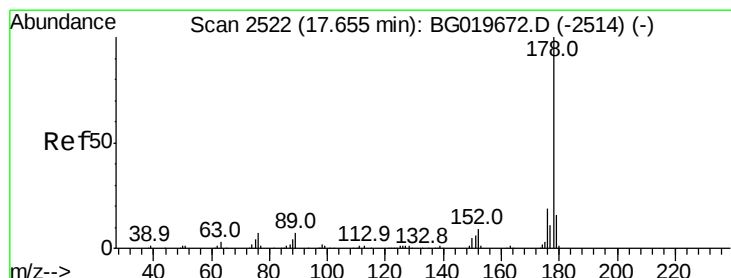
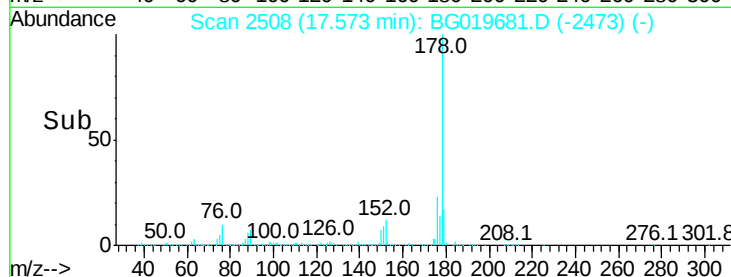
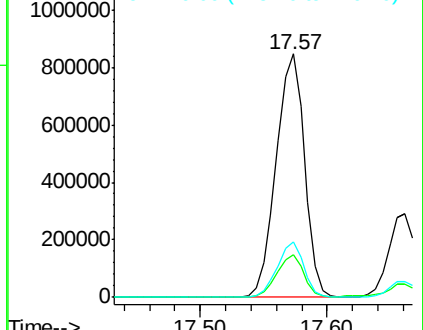
Ion	Ratio	Lower	Upper
178	100		
179	17.5	12.2	18.2
176	22.7	16.6	24.8



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: 28.78 ng/ul

RT: 17.66 min Scan# 2523

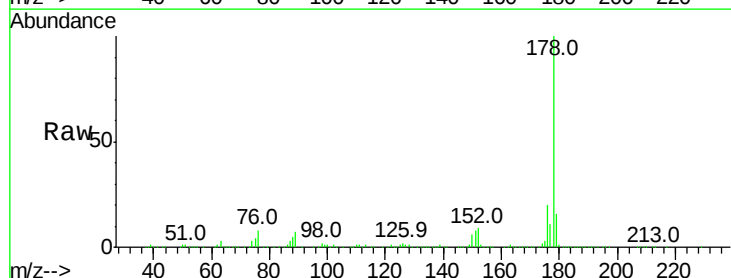
Delta R.T. 0.01 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Tgt Ion:178 Resp: 434429

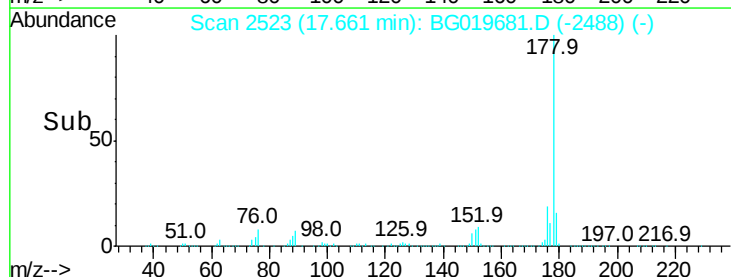
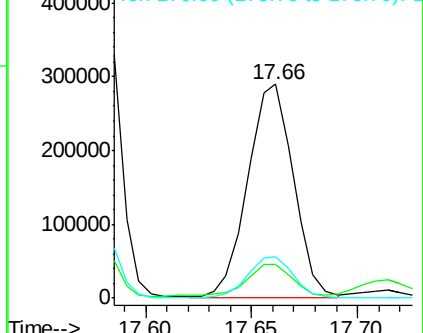
Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.5	15.0	22.4

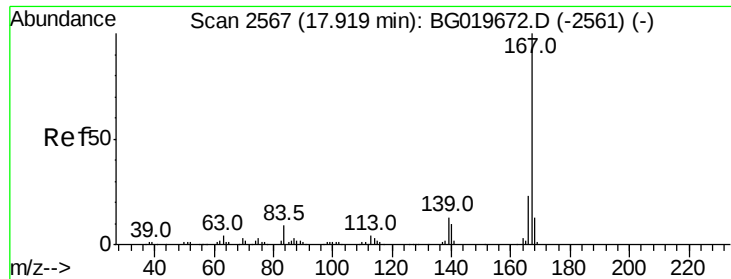


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.05 ng/ul

RT: 17.92 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

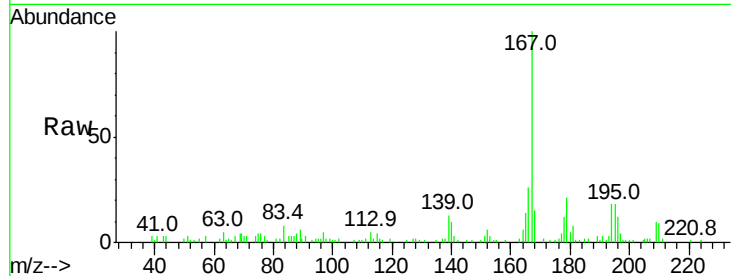
Instrument :

BNA_G

ClientSampleId :

Tot Ion:167 Resp: 24849

Ion	Ratio	Lower	Upper
167	100		
166	25.5	18.1	27.1
139	12.7	9.8	14.6

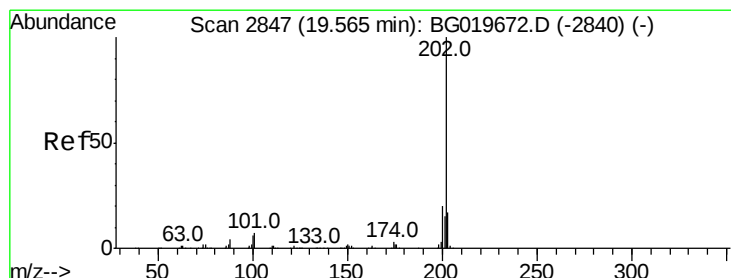
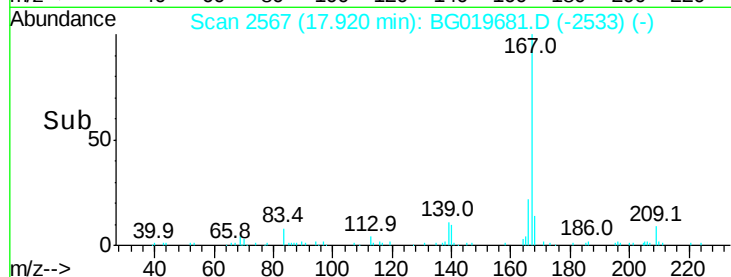
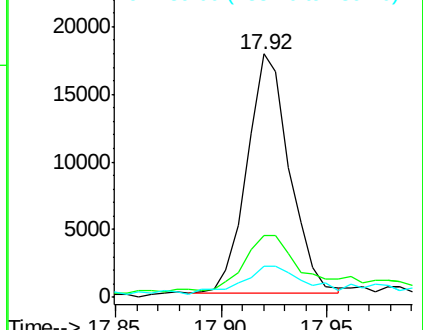


Abundance

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



#77

Fluoranthene

Concen: 17.05 ng/ul

RT: 19.72 min Scan# 2873

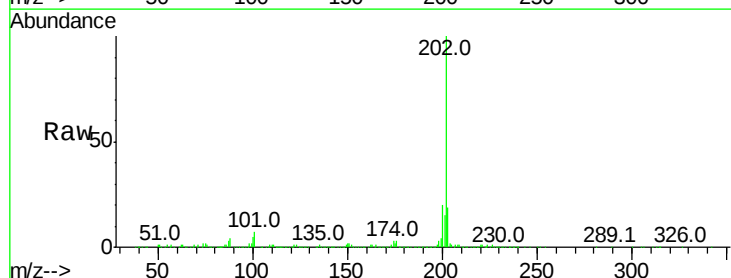
Delta R.T. 0.15 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Tgt Ion:202 Resp: 325376

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.2	7.8
100	5.0	5.0	7.4

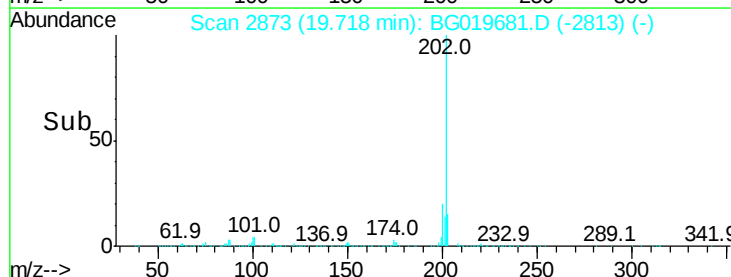
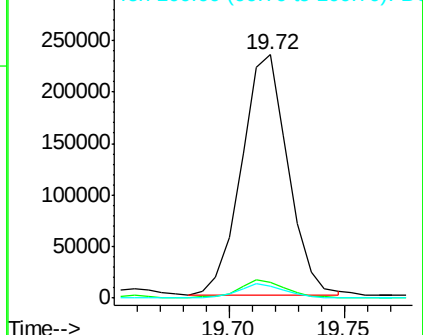


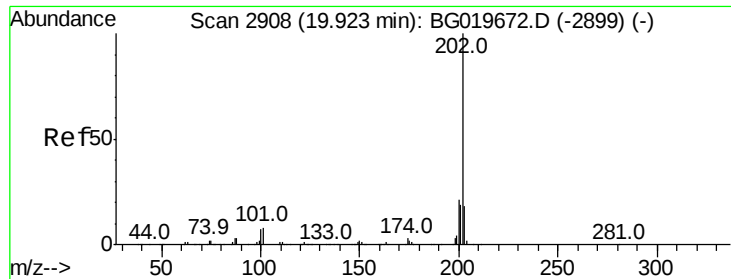
Abundance

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

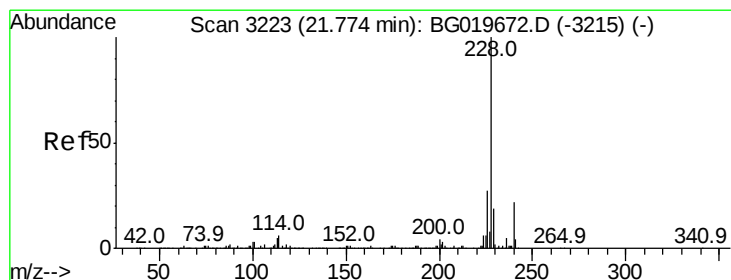
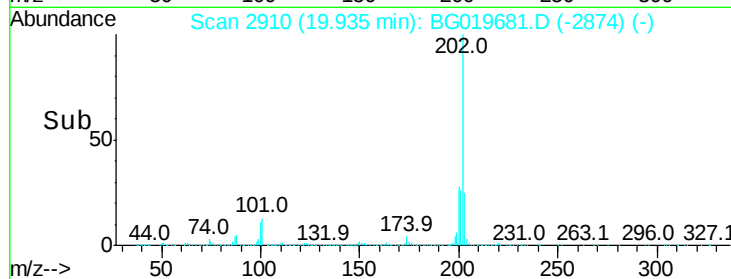
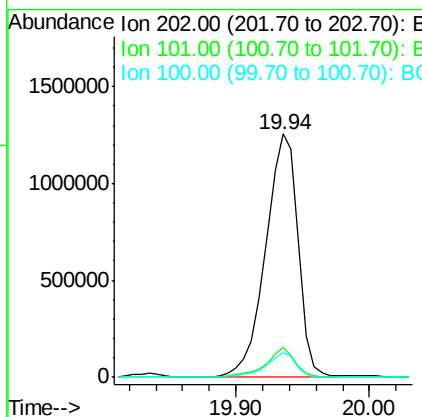
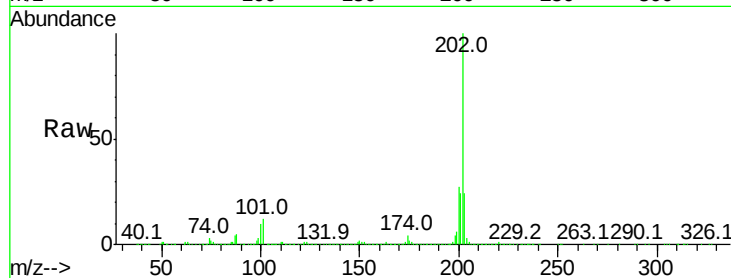




#80
Pvrene
Concen: 108.11 ng/ul
RT: 19.94 min Scan# 2910
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

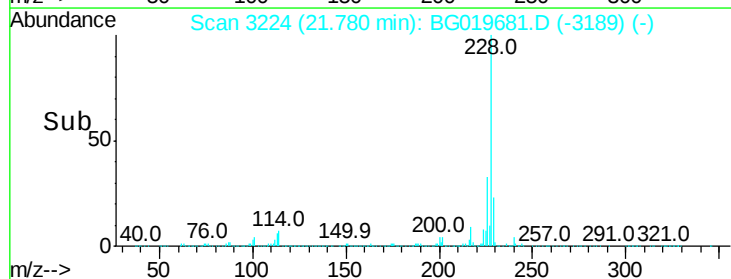
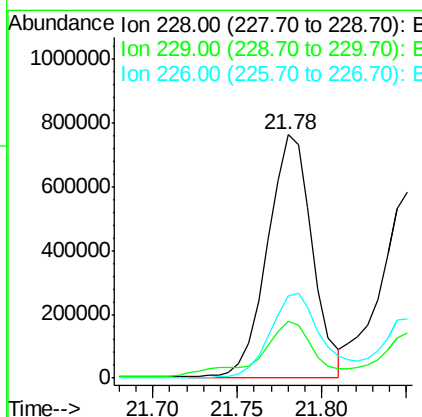
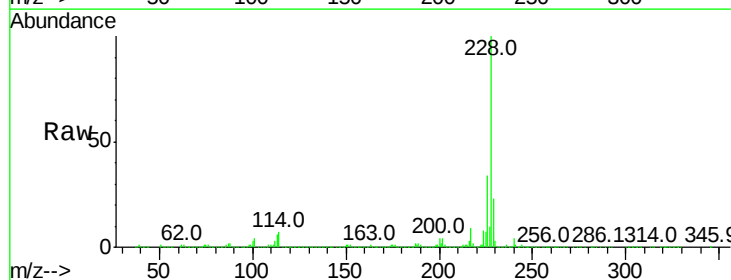
Instrument :
BNA_G
ClientSampleId :

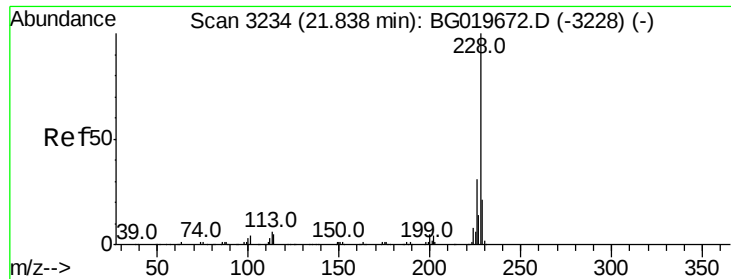
Tot Ion:202 Resp: 2118344
Ion Ratio Lower Upper
202 100
101 12.2 7.0 10.6#
100 10.2 6.6 10.0#



#83
Benzo(a)anthracene
Concen: 68.98 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:228 Resp: 1402655
Ion Ratio Lower Upper
228 100
229 23.3 15.7 23.5
226 33.7 22.6 33.8



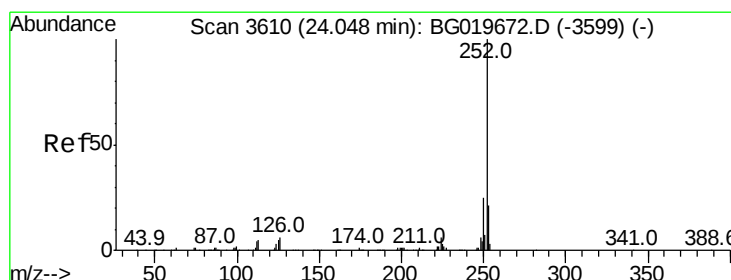
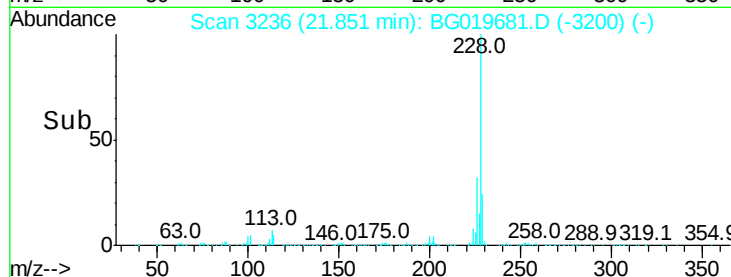
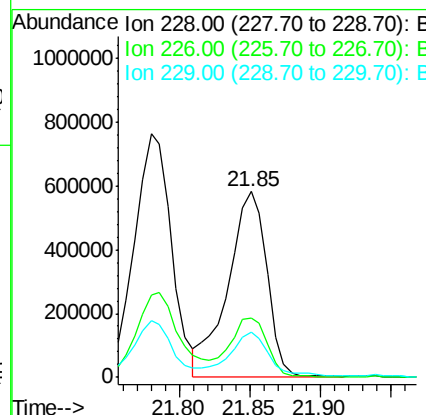
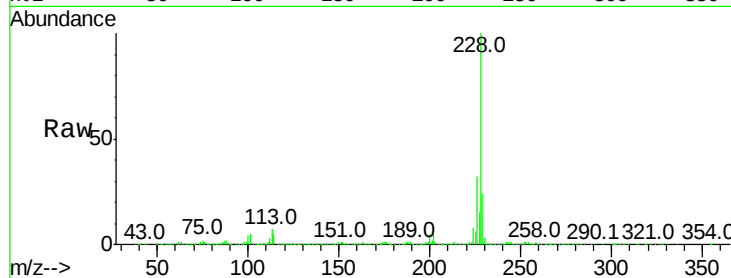


#85
 Chrysene
 Concen: 57.98 ng/ul
 RT: 21.85 min Scan# 3236
 Delta R.T. 0.01 min
 Lab File: BG019681.D
 Acq: 18 Nov 2015 4:39

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:228 Resp: 1109976

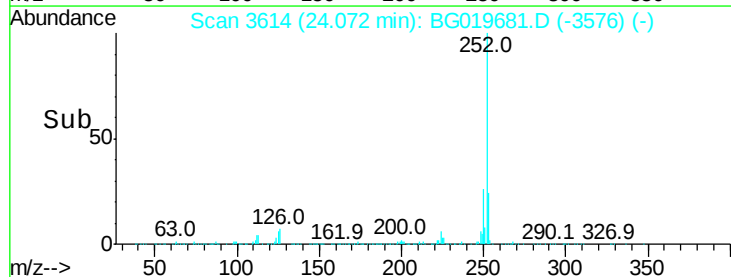
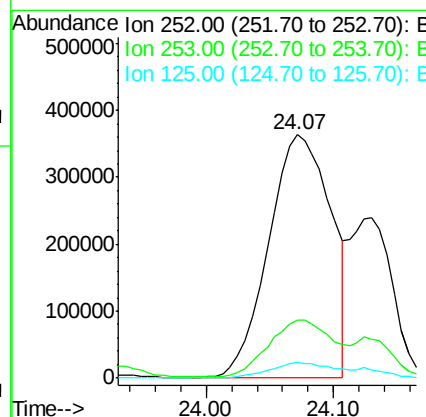
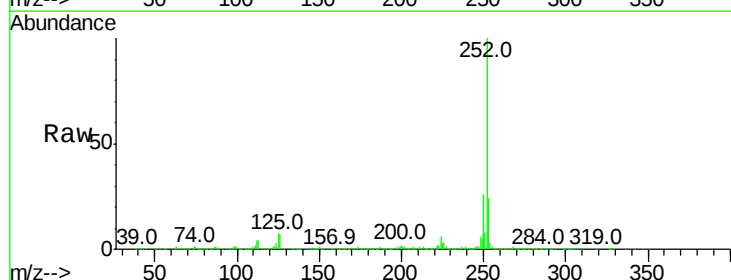
Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	24.2	17.0	25.6

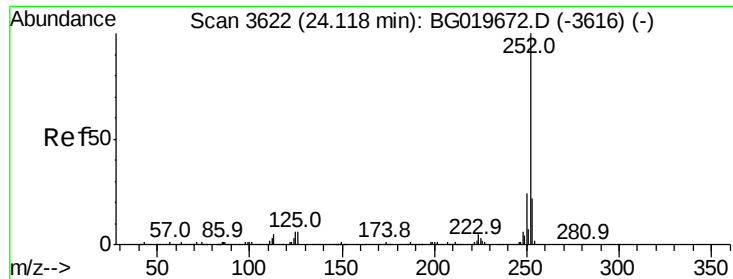


#88
 Benzo(b)fluoranthene
 Concen: 60.55 ng/ul
 RT: 24.07 min Scan# 3614
 Delta R.T. 0.02 min
 Lab File: BG019681.D
 Acq: 18 Nov 2015 4:39

Tgt Ion:252 Resp: 1232746

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	6.5	4.2	6.4#

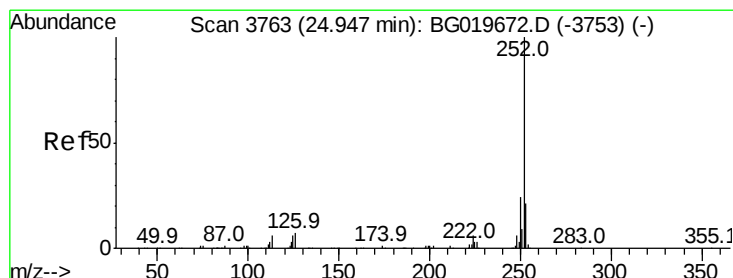
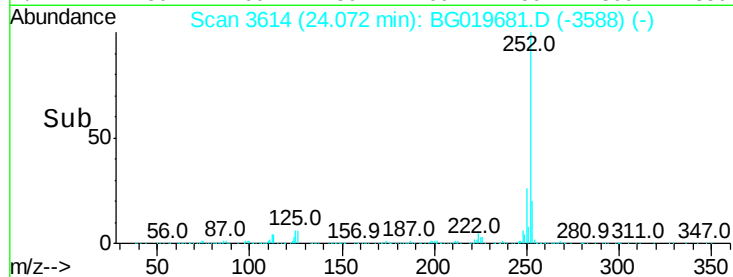
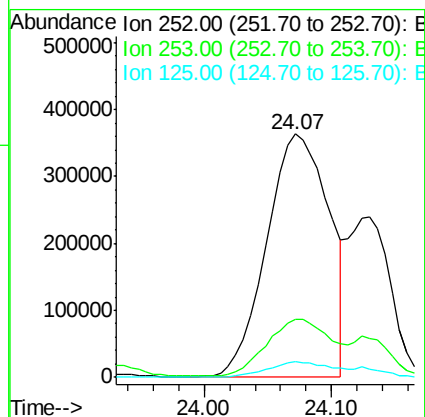
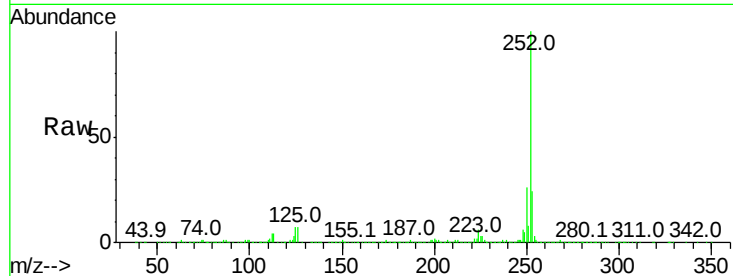




#89
Benzo(k)fluoranthene
Concen: 62.77 ng/ul
RT: 24.07 min Scan# 3614
Delta R.T. -0.05 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

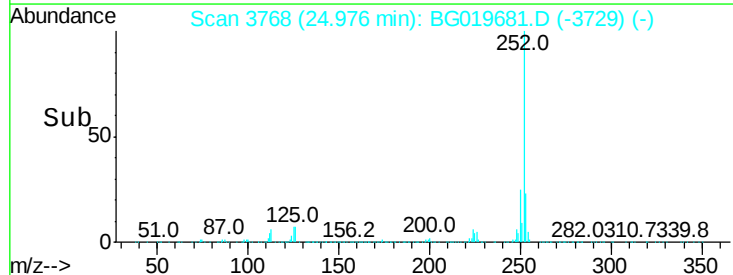
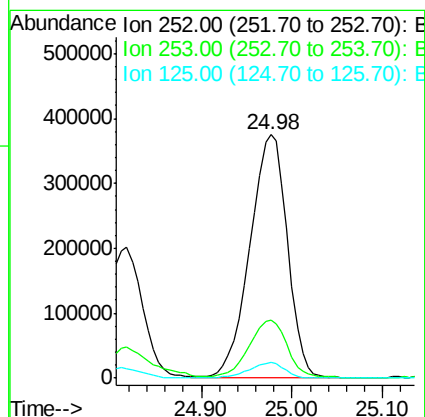
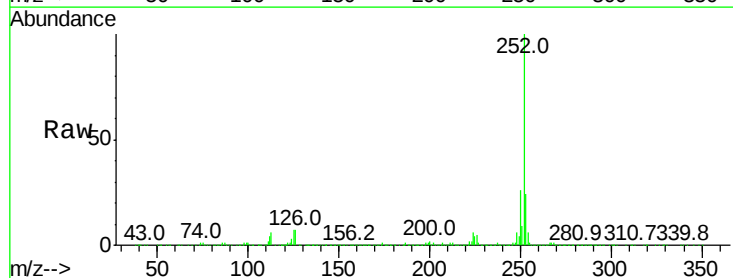
Instrument :
BNA_G
ClientSampleId :

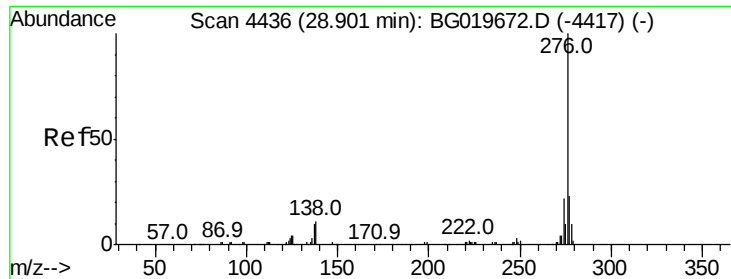
Tot Ion:252 Resp: 1232746
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 6.5 4.4 6.6



#91
Benzo(a)pyrene
Concen: 54.51 ng/ul
RT: 24.98 min Scan# 3768
Delta R.T. 0.03 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:252 Resp: 1068475
Ion Ratio Lower Upper
252 100
253 23.8 16.9 25.3
125 6.6 5.4 8.0



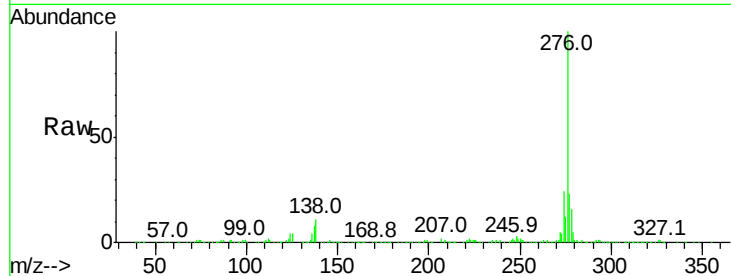


#92

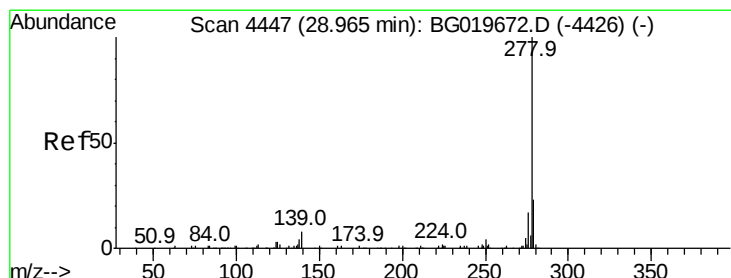
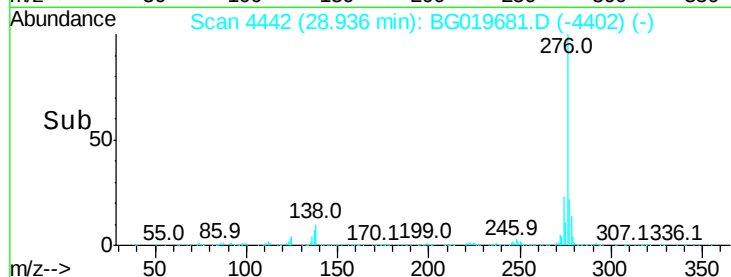
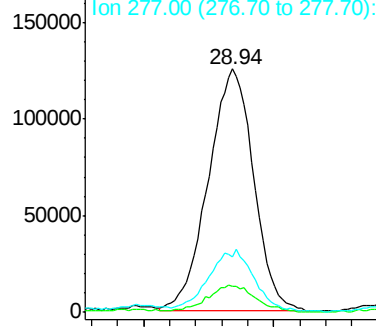
Indeno(1,2,3-cd)pyrene
Concen: 27.43 ng/ul
RT: 28.94 min Scan# 4442
Delta R.T. 0.04 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:276 Resp: 601734
Ion Ratio Lower Upper
276 100
138 10.8 9.9 14.9
277 22.9 21.3 31.9



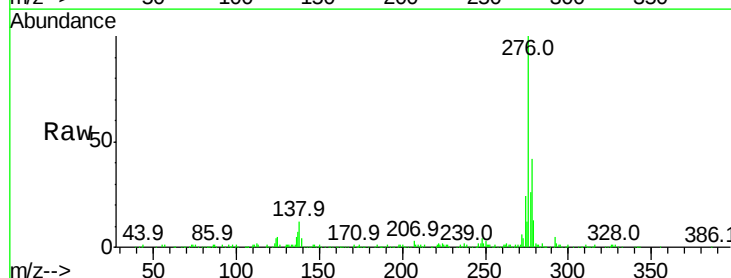
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



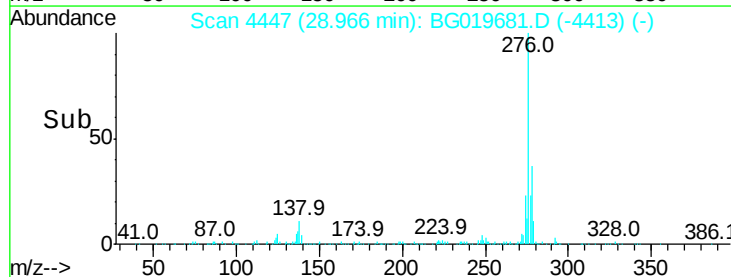
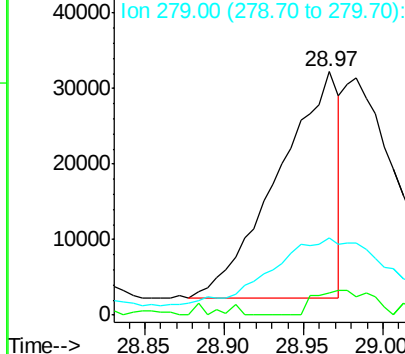
#93

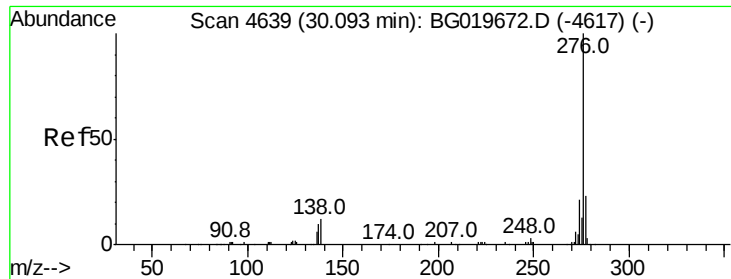
Dibenzo(a,h)anthracene
Concen: 4.43 ng/ul
RT: 28.97 min Scan# 4447
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:278 Resp: 79890
Ion Ratio Lower Upper
278 100
139 9.3 5.9 8.9#
279 31.5 18.2 27.2#



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





#94

Benzo(a,h,i)perylene

Concen: 25.69 ng/ul

RT: 30.14 min Scan# 4646

Delta R.T. 0.04 min

Lab File: BG019681.D

Acq: 18 Nov 2015 4:39

Instrument :

BNA_G

ClientSampleId :

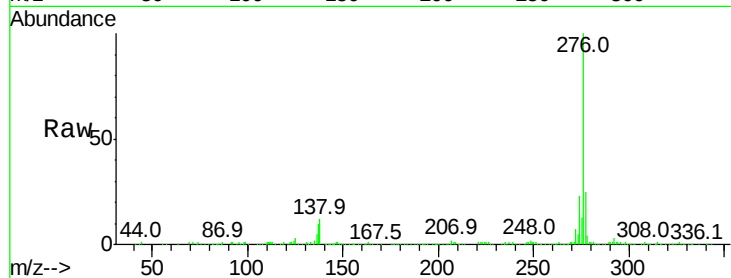
Tot Ion:276 Resp: 467536

Ion Ratio Lower Upper

276 100

138 11.8 9.2 13.8

277 24.7 18.6 28.0



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

