

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019680.D
 Acq On : 18 Nov 2015 4:01
 Operator : UM/NP
 Sample : G4427-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 18 07:25:06 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	27211	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	112786	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	98505	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	271230	20.00	ng/ul	0.00
78) Chrysene-d12	21.80	240	336036	20.00	ng/ul	0.00
86) Perylene-d12	25.12	264	327654	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	1862	2.92	ng/uL	0.00
5) Phenol-d5	7.29	99	42525	15.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	30519	16.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	28465	15.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	36379	15.76	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	16234	17.53	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	17692	16.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	37435	16.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	37586	17.57	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	148909	16.71	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	146814	15.20	ng/ul	0.00
52) 4-Nitrophenol-d4	14.96	143	19763	14.08	ng/ul	0.00
58) Fluorene-d10	15.77	176	128505	16.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	12149	6.93	ng/ul	0.00
71) Anthracene-d10	17.62	188	212483	16.14	ng/ul	0.00
79) Pyrene-d10	19.89	212	219813	14.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.88	264	242821	14.20	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.32	94	3361	1.12 ng/ul#	90
28) Naphthalene	11.03	128	23315	3.83 ng/ul#	96
30) 4-Chloroaniline	11.02	127	3041	1.37 ng/ul#	1
45) Dimethylphthalate	14.22	163	100524	11.38 ng/ul	98
48) Acenaphthylene	14.51	152	18953	1.97 ng/ul	93
50) Acenaphthene	14.85	153	45433	6.89 ng/ul	99
54) Dibenzofuran	15.18	168	17237	1.78 ng/ul	96
59) Fluorene	15.82	166	44345	5.24 ng/ul	95
70) Phenanthrene	17.57	178	382350	26.34 ng/ul	98
72) Anthracene	17.66	178	175976	12.02 ng/ul	98
75) Carbazole	17.93	167	13762	1.17 ng/ul#	91
77) Fluoranthene	19.71	202	94722	5.12 ng/ul	99
80) Pyrene	19.93	202	698953	35.61 ng/ul	99
83) Benzo(a)anthracene	21.78	228	500579	24.58 ng/ul	95
85) Chrysene	21.84	228	378867	19.76 ng/ul	97
88) Benzo(b)fluoranthene	24.06	252	414285	20.52 ng/ul	97
89) Benzo(k)fluoranthene	24.06	252	414285	21.27 ng/ul	97
91) Benzo(a)pyrene	24.96	252	326574	16.80 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.91	276	184328	8.47 ng/ul	98
93) Dibenzo(a,h)anthracene	28.94	278	27772	1.55 ng/ul#	90
94) Benzo(a,h,i)perylene	30.09	276	103619	5.74 ng/ul	96

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Response via : Initial Calibration

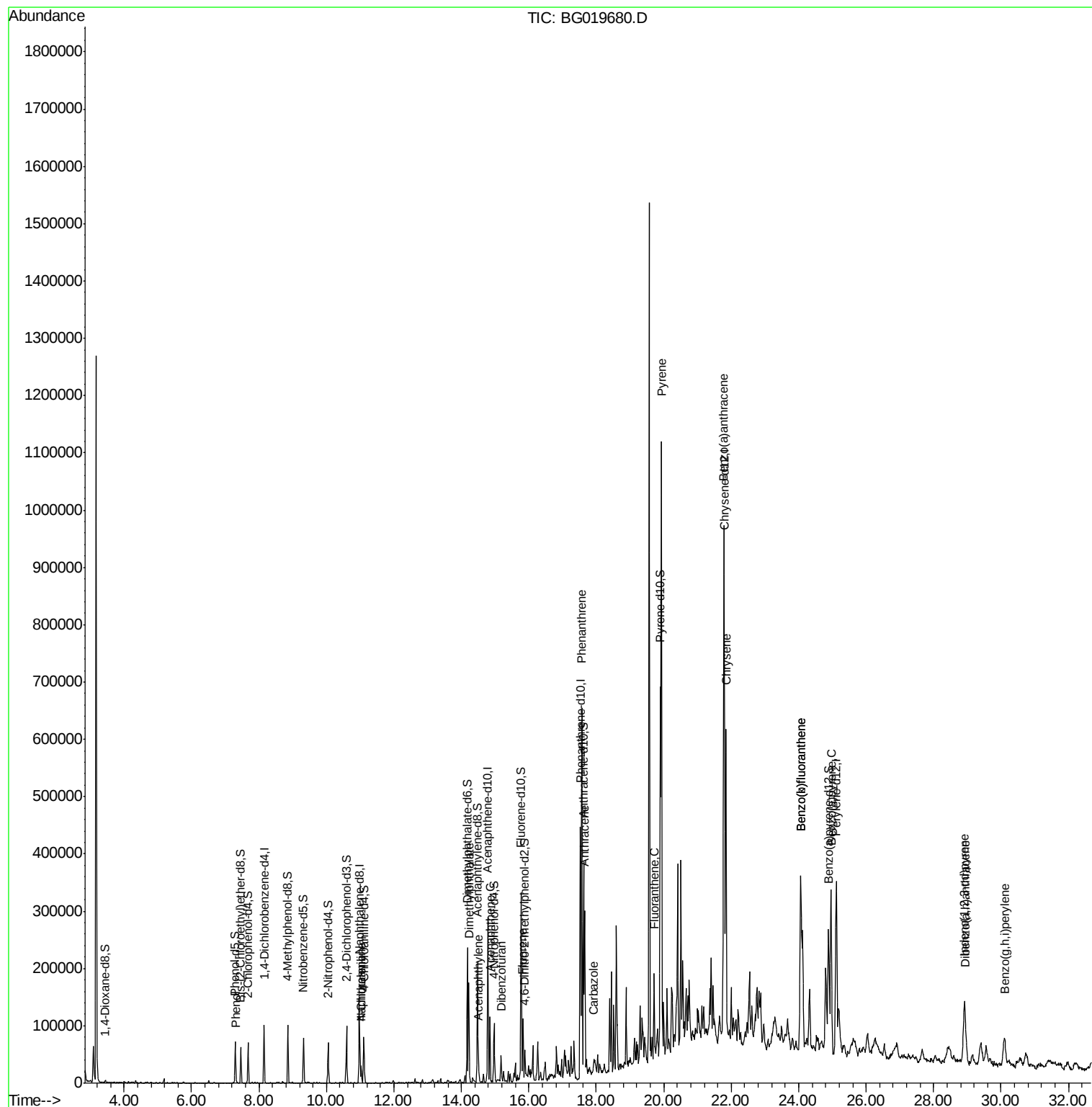
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

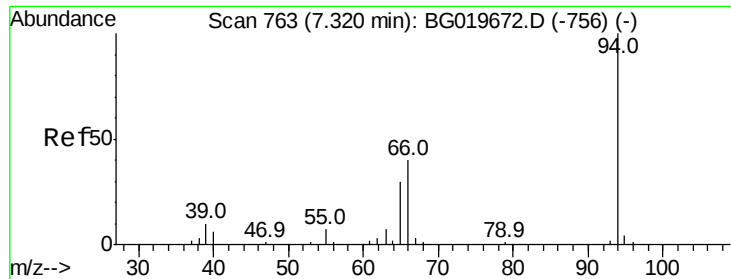
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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Response via : Initial Calibration





#6

Phenol

Concen: 1.12 ng/ul

RT: 7.32 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

ClientSampled :

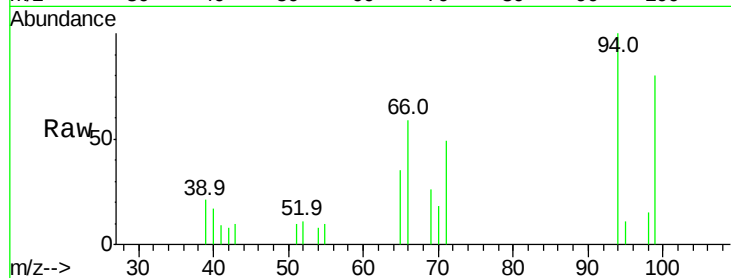
Tot Ion: 94 Resp: 3361

Ion Ratio Lower Upper

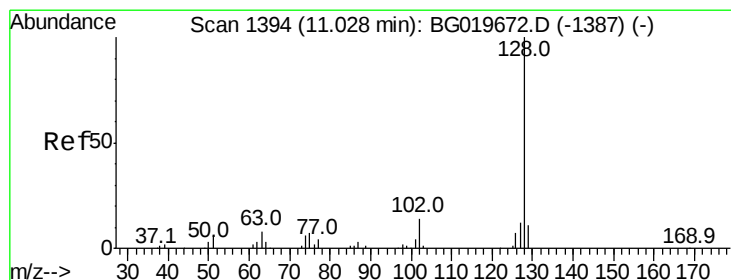
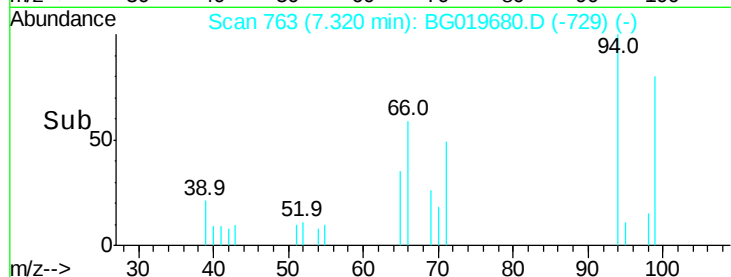
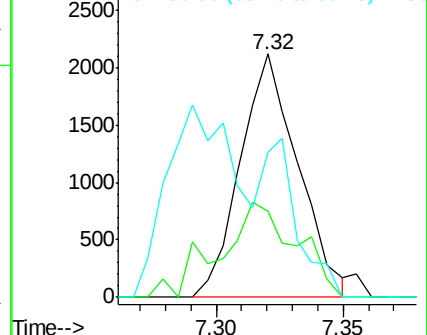
94 100

65 35.4 27.4 41.0

66 59.4 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: 3.83 ng/ul

RT: 11.03 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

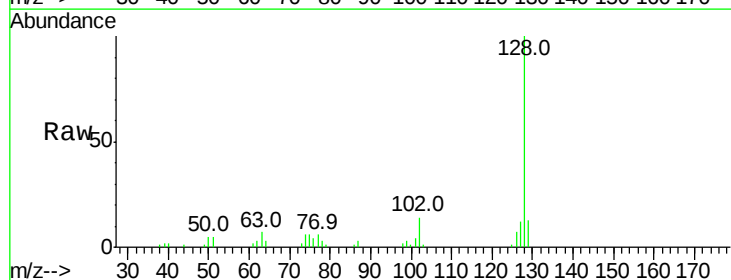
Tgt Ion:128 Resp: 23315

Ion Ratio Lower Upper

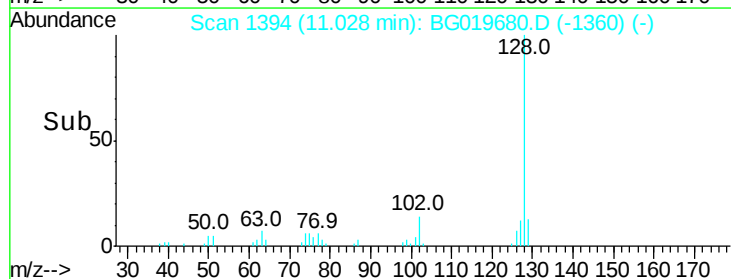
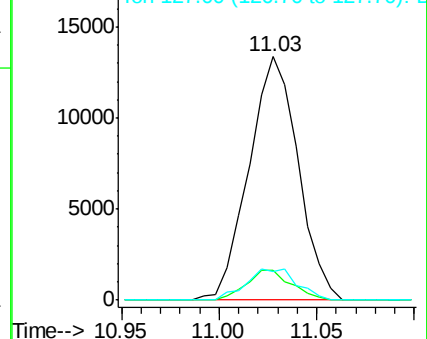
128 100

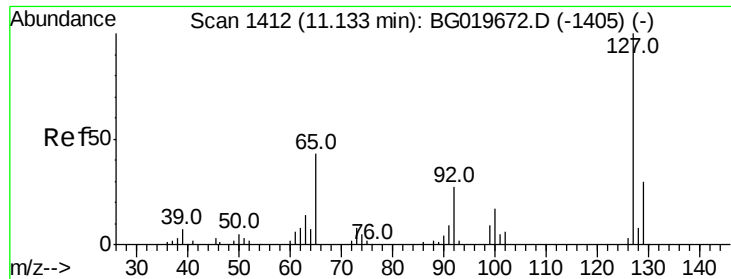
129 12.5 8.1 12.1#

127 11.7 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

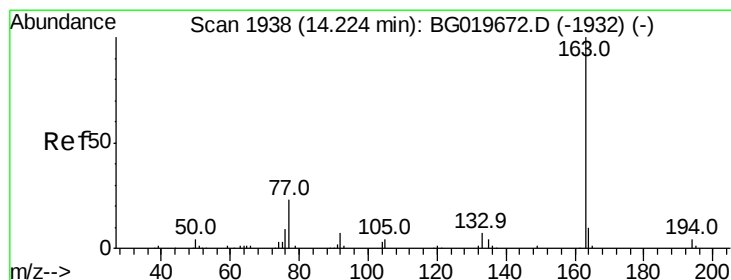
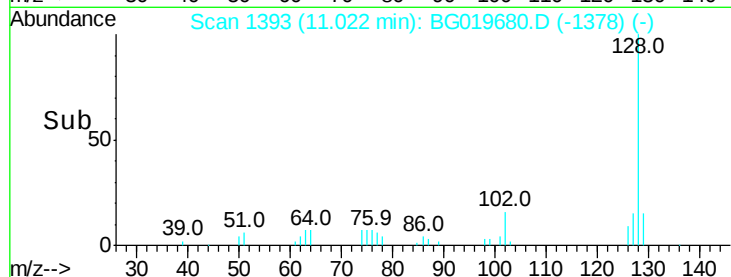
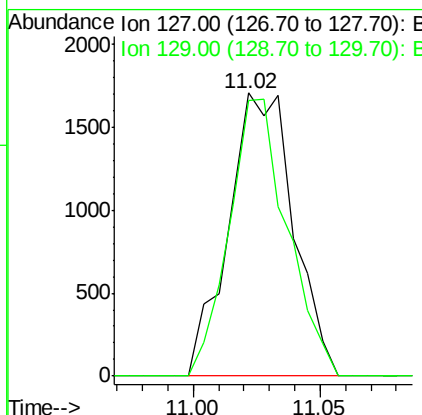
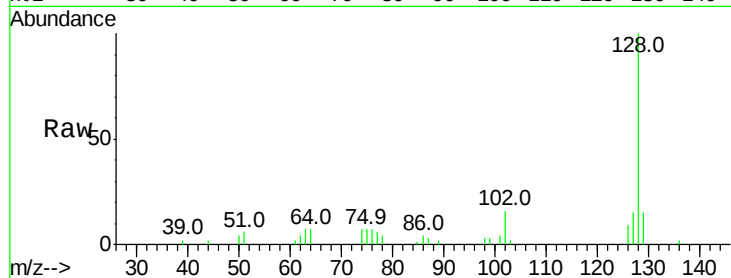




#30
4-Chloroaniline
Concen: 1.37 ng/ul
RT: 11.02 min Scan# 1393
Delta R.T. -0.11 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

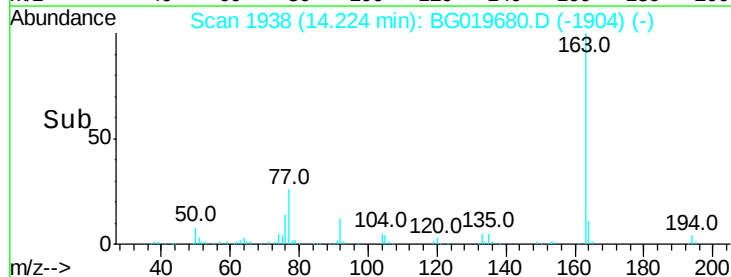
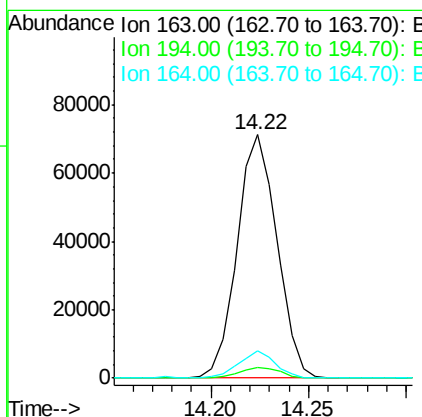
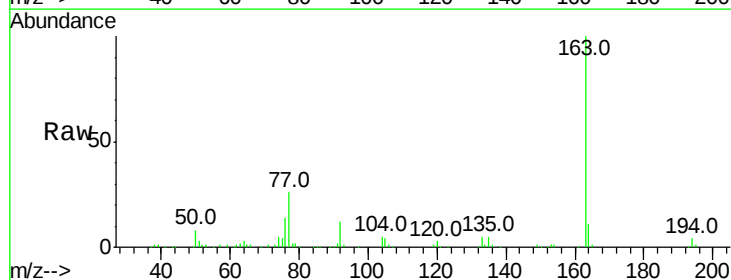
Instrument :
BNA_G
ClientSampleId :

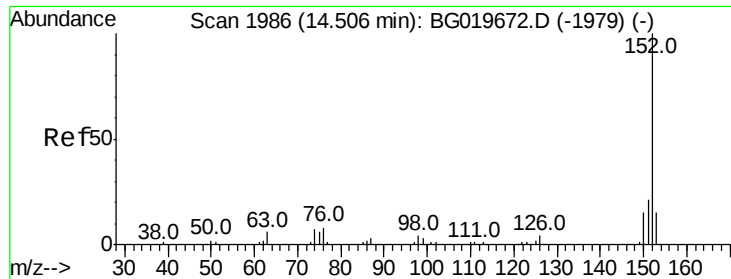
Tot Ion:127 Resp: 3041
Ion Ratio Lower Upper
127 100
129 97.5 24.2 36.4#



#45
Dimethylphthalate
Concen: 11.38 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

Tgt Ion:163 Resp: 100524
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 11.3 8.3 12.5





#48

Acenaphthylene

Concen: 1.97 ng/ul

RT: 14.51 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

ClientSampleId :

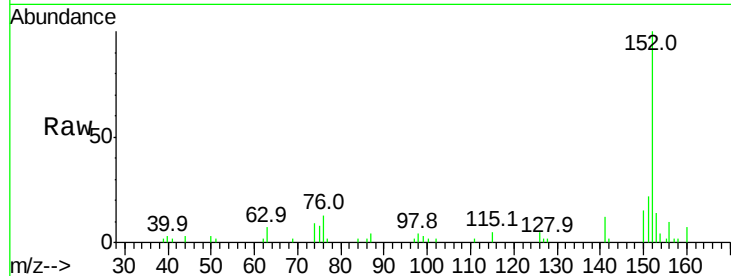
Tot Ion:152 Resp: 18953

Ion Ratio Lower Upper

152 100

151 22.4 15.1 22.7

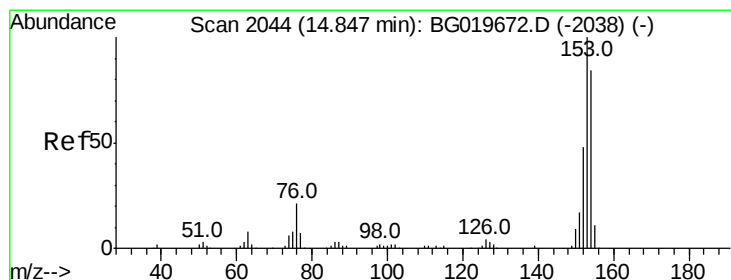
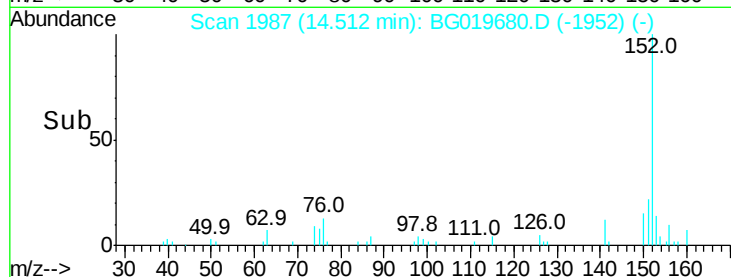
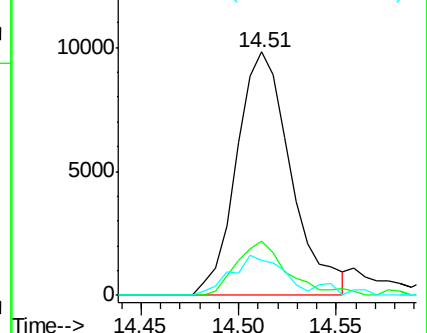
153 14.3 9.8 14.8



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: 6.89 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

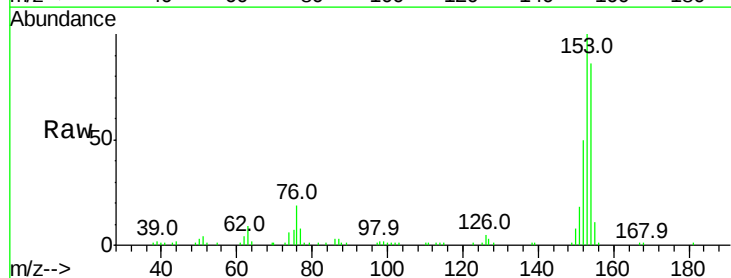
Tgt Ion:153 Resp: 45433

Ion Ratio Lower Upper

153 100

152 50.2 40.9 61.3

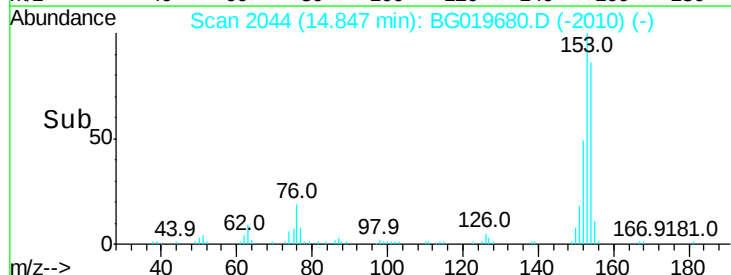
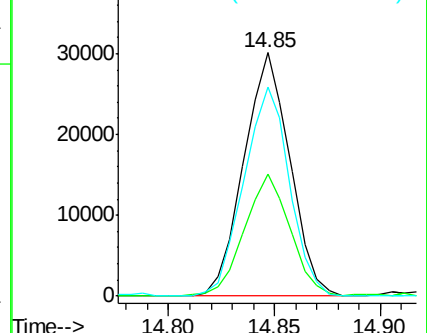
154 85.7 69.1 103.7

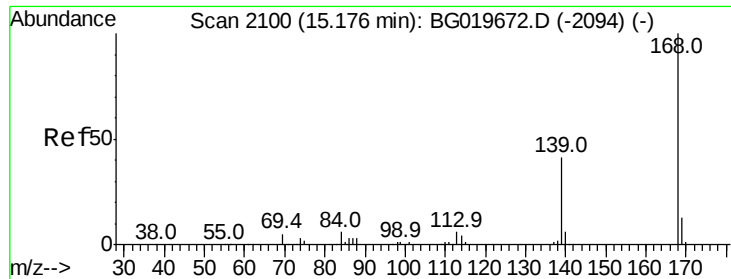


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

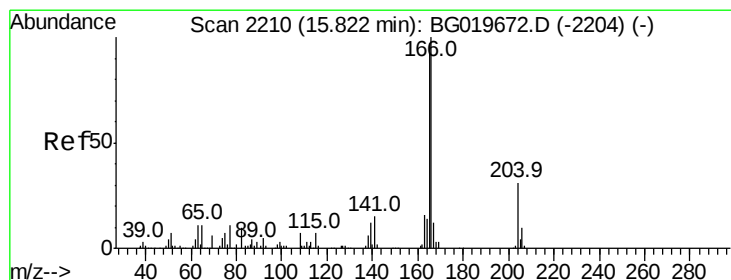
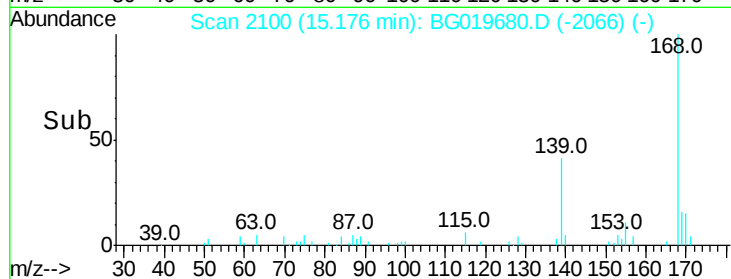
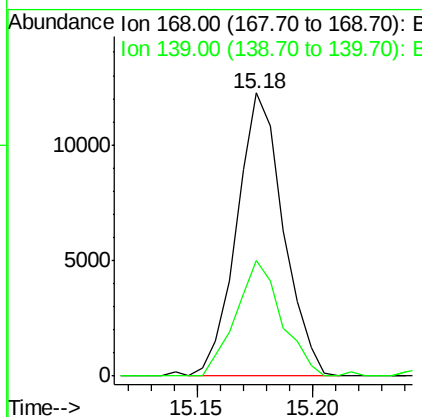
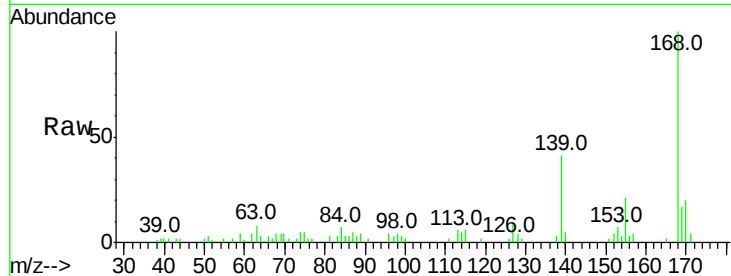




#54
Dibenzenofuran
Concen: 1.78 ng/ul
RT: 15.18 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

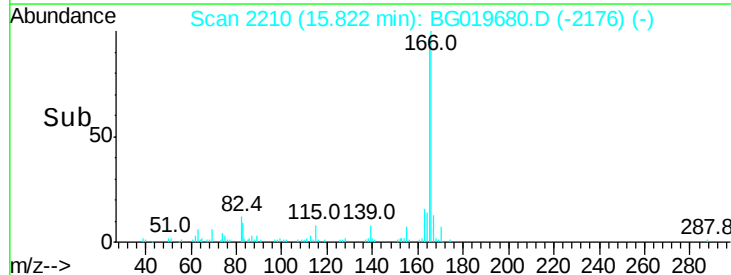
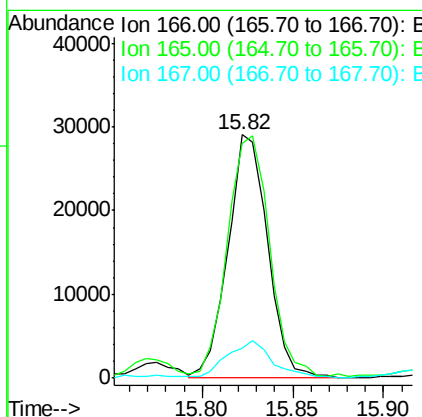
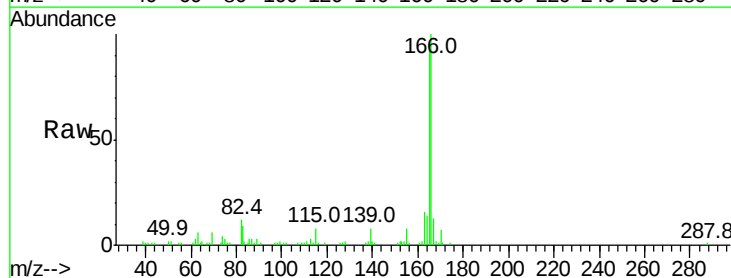
Instrument :
BNA_G
ClientSampled :

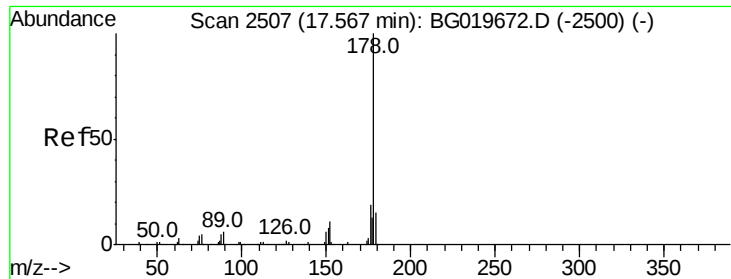
Tot Ion:168 Resp: 17237
Ion Ratio Lower Upper
168 100
139 41.0 34.7 52.1



#59
Fluorene
Concen: 5.24 ng/ul
RT: 15.82 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

Tgt Ion:166 Resp: 44345
Ion Ratio Lower Upper
166 100
165 96.4 81.4 122.2
167 12.5 11.1 16.7





#70

Phenanthrene

Concen: 26.34 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

ClientSampleId :

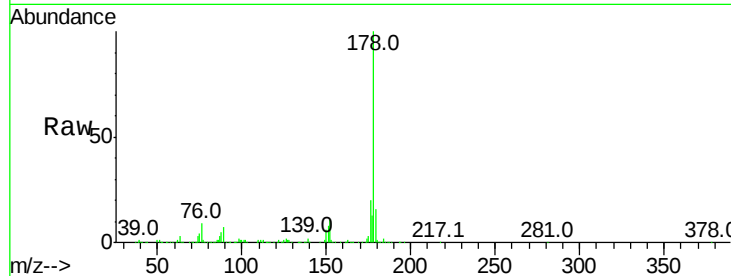
Tot Ion:178 Resp: 382350

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

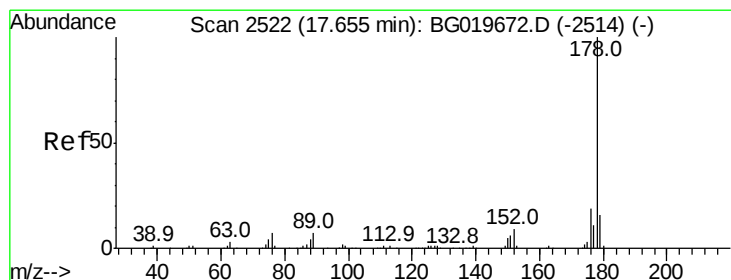
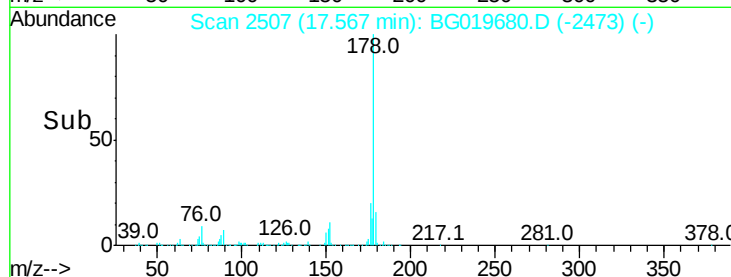
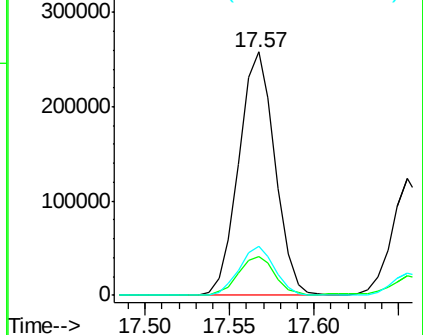
176 20.0 16.6 24.8



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: 12.02 ng/ul

RT: 17.66 min Scan# 2522

Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

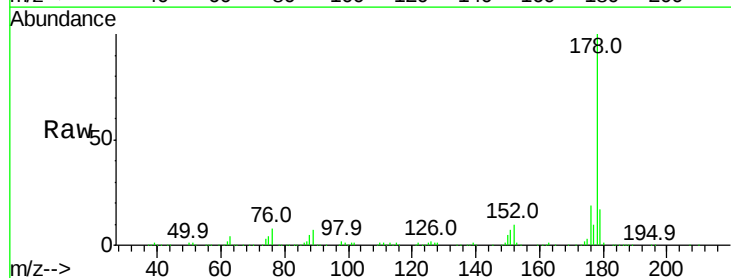
Tgt Ion:178 Resp: 175976

Ion Ratio Lower Upper

178 100

179 17.0 12.6 19.0

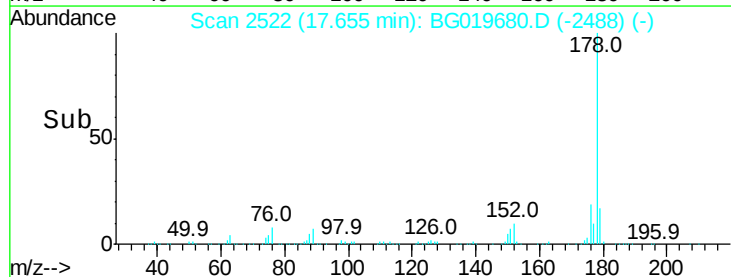
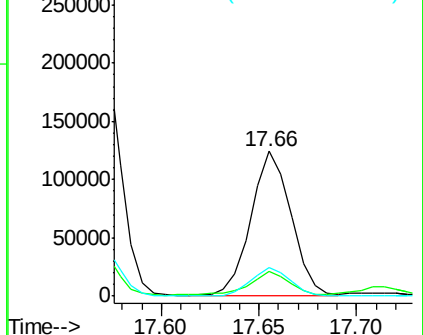
176 19.3 15.0 22.4

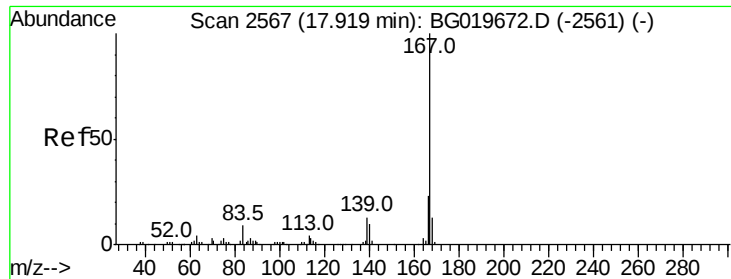


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.17 ng/ul

RT: 17.93 min Scan# 2568

Delta R.T. 0.01 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

ClientSampleId :

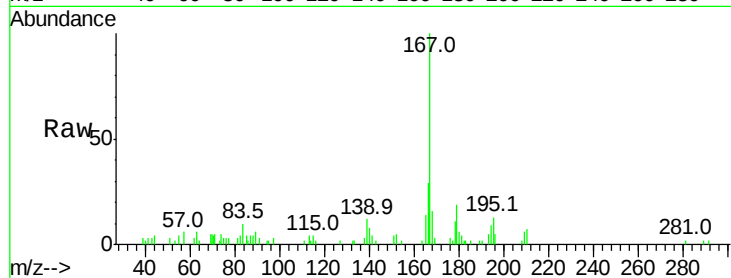
Tot Ion:167 Resp: 13762

Ion Ratio Lower Upper

167 100

166 29.2 18.1 27.1#

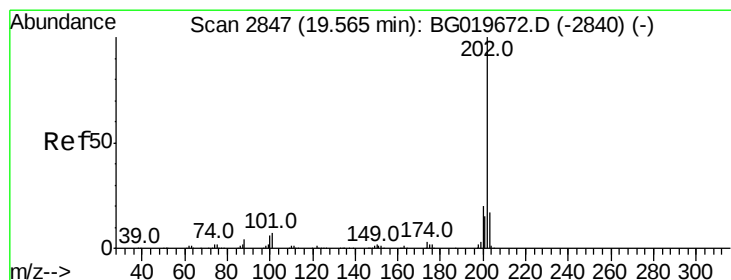
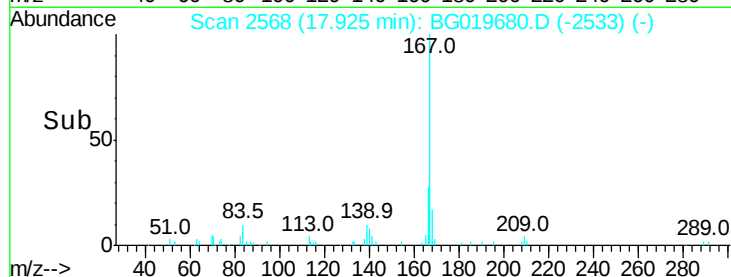
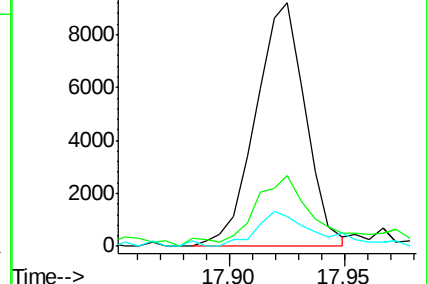
139 12.2 9.8 14.6



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: 5.12 ng/ul

RT: 19.71 min Scan# 2872

Delta R.T. 0.15 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

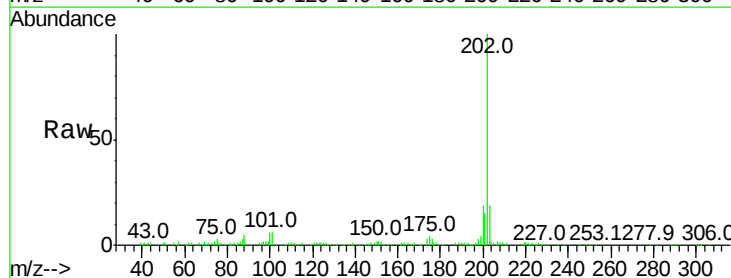
Tgt Ion:202 Resp: 94722

Ion Ratio Lower Upper

202 100

101 6.4 5.2 7.8

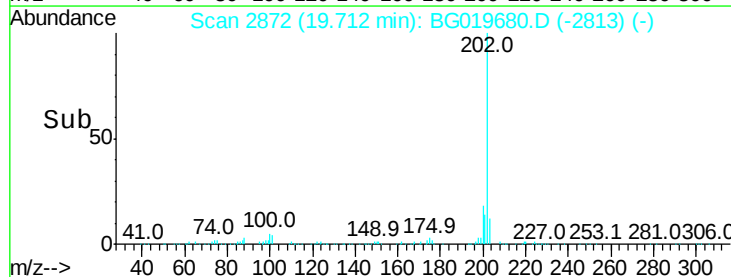
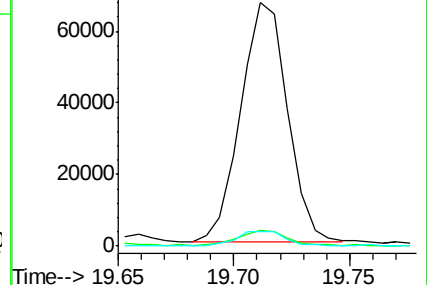
100 5.9 5.0 7.4

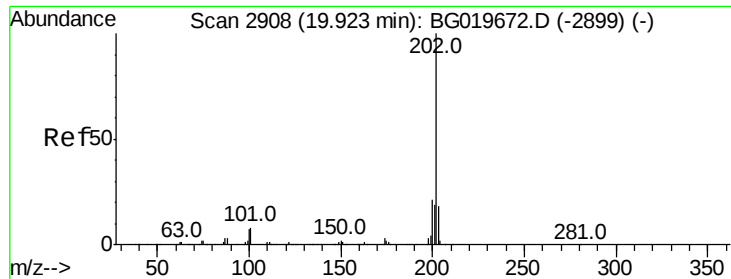


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

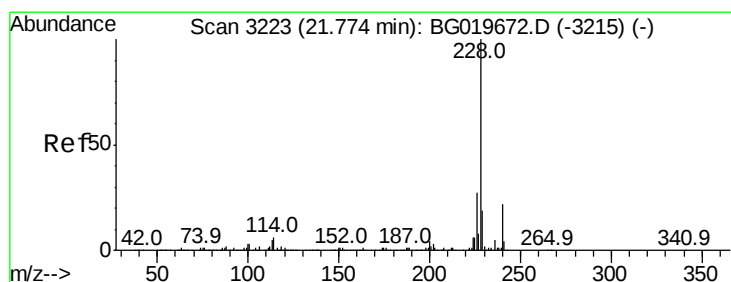
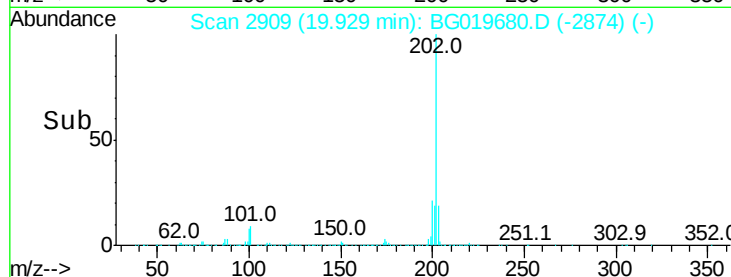
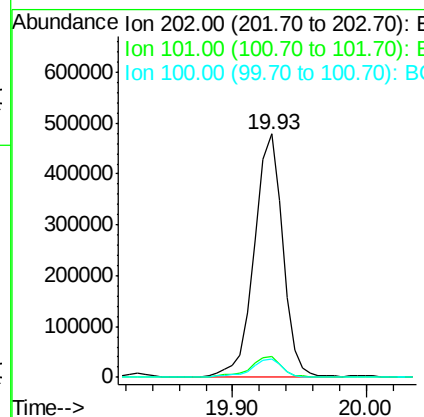
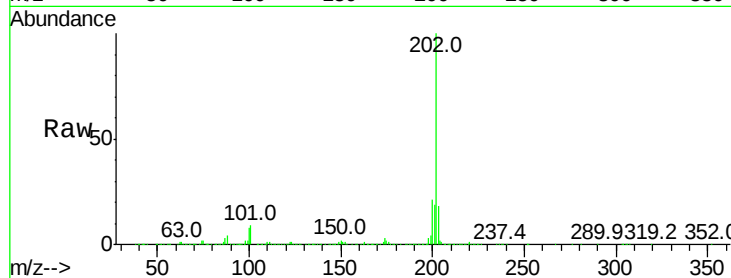




#80
Pvrene
Concen: 35.61 ng/ul
RT: 19.93 min Scan# 2909
Delta R.T. 0.01 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

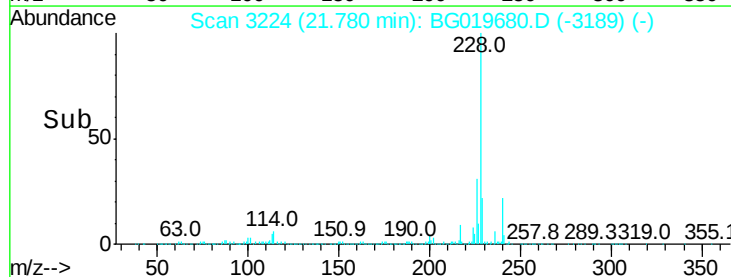
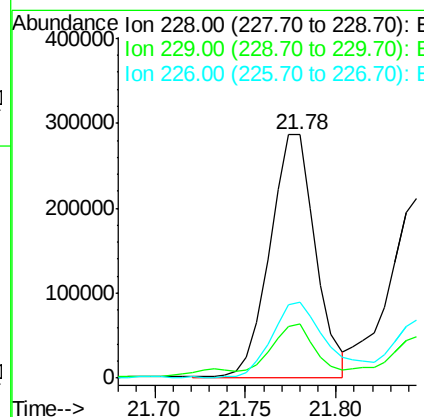
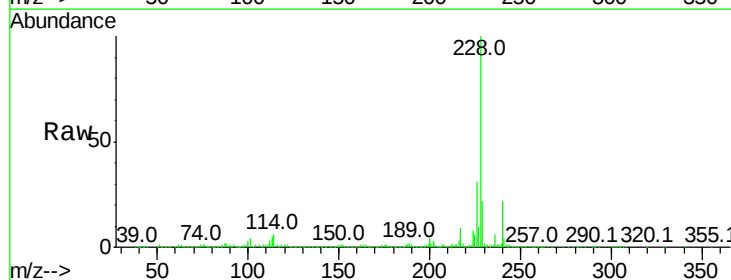
Instrument :
BNA_G
ClientSampleId :

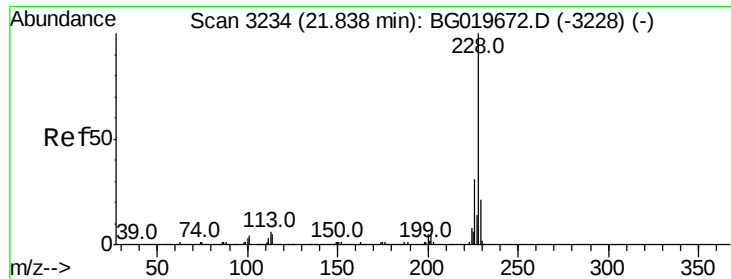
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.0	10.6
100	7.6	6.6	10.0



#83
Benzo(a)anthracene
Concen: 24.58 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.7	23.5
226	31.1	22.6	33.8





#85

Chrysene

Concen: 19.76 ng/ul

RT: 21.84 min Scan# 3235

Delta R.T. 0.01 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

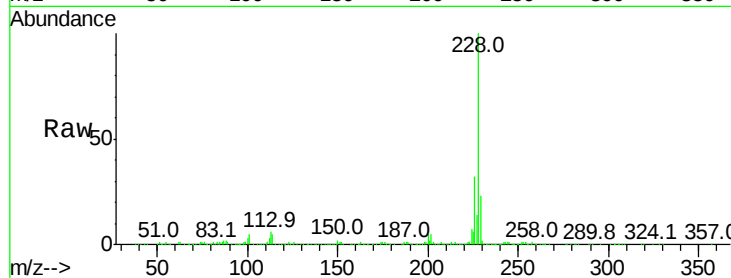
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 378867

Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	23.0	17.0	25.6

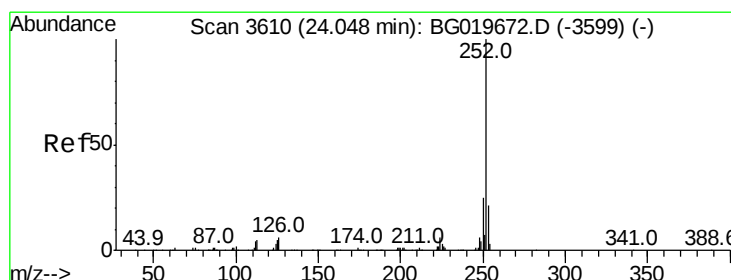
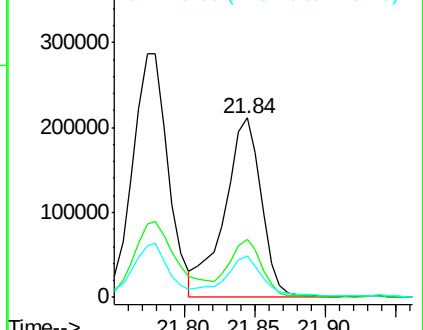
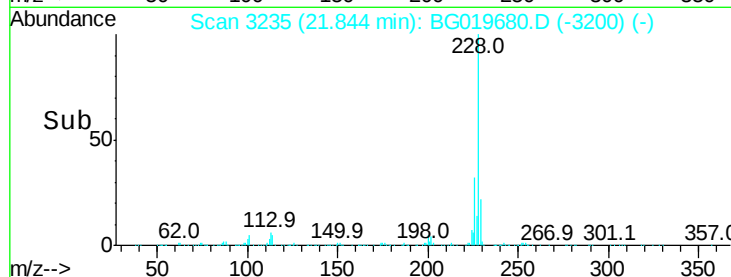


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 20.52 ng/ul

RT: 24.06 min Scan# 3612

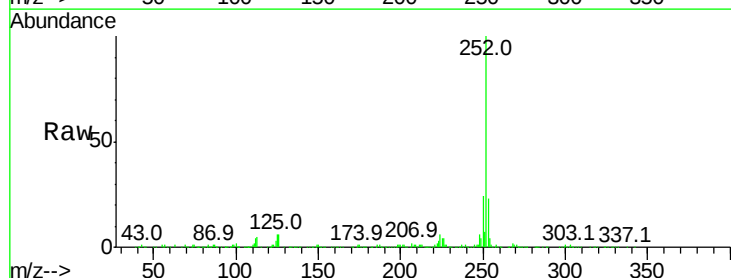
Delta R.T. 0.01 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Tgt Ion:252 Resp: 414285

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	5.7	4.2	6.4

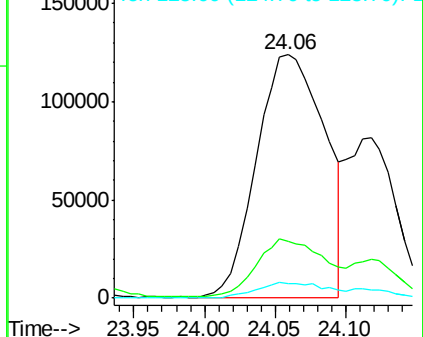
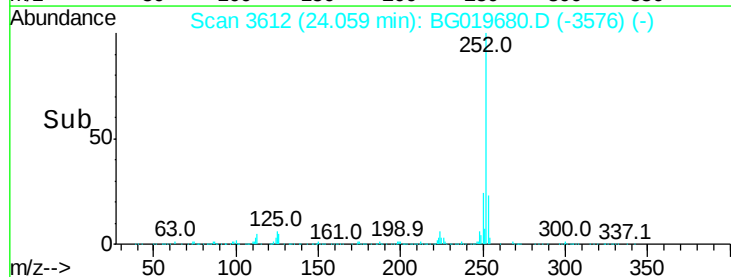


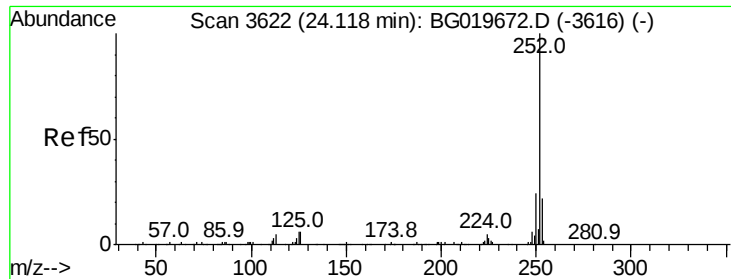
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

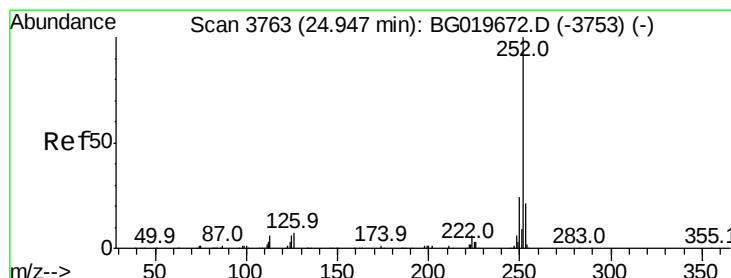
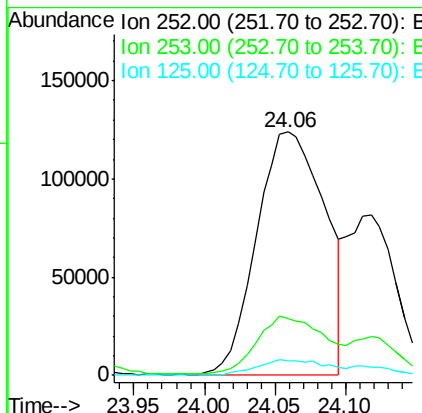
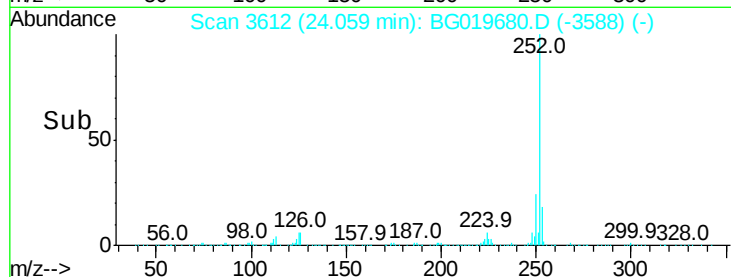
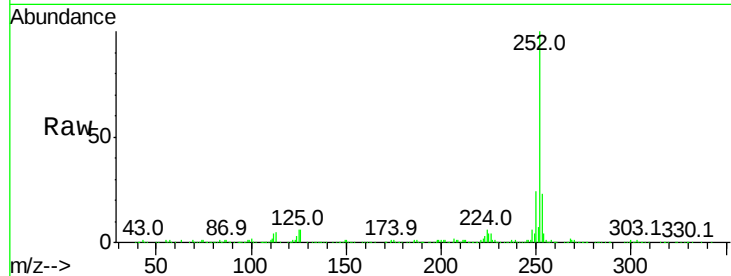




#89
Benzo(k)fluoranthene
Concen: 21.27 ng/ul
RT: 24.06 min Scan# 3612
Delta R.T. -0.06 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

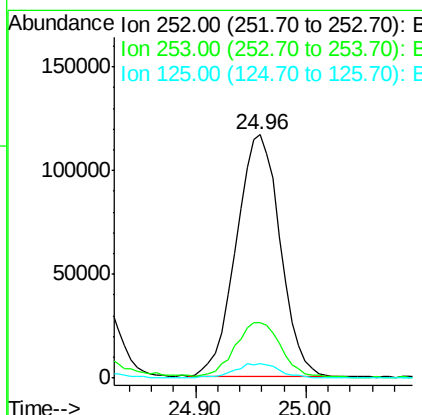
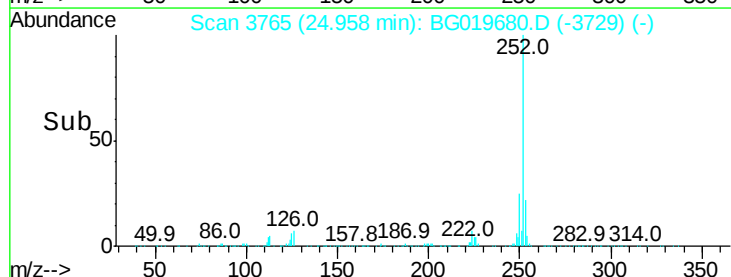
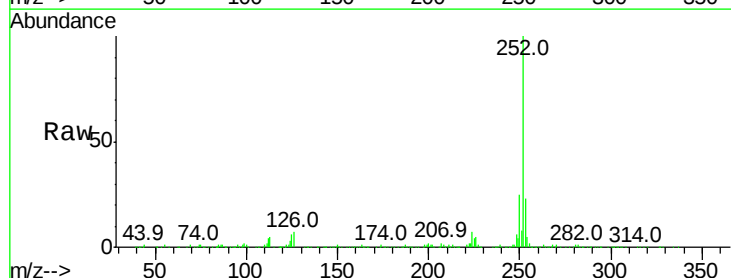
Instrument :
BNA_G
ClientSampleId :

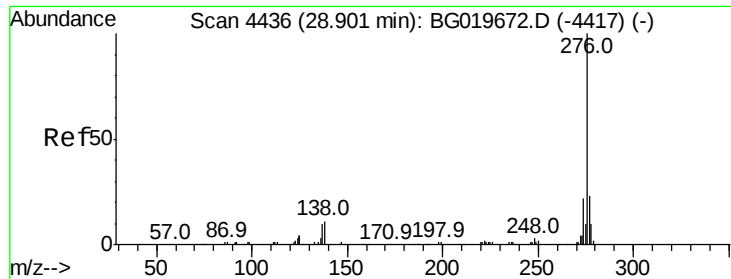
Tot Ion:252 Resp: 414285
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 5.7 4.4 6.6



#91
Benzo(a)pyrene
Concen: 16.80 ng/ul
RT: 24.96 min Scan# 3765
Delta R.T. 0.01 min
Lab File: BG019680.D
Acq: 18 Nov 2015 4:01

Tgt Ion:252 Resp: 326574
Ion Ratio Lower Upper
252 100
253 22.6 16.9 25.3
125 6.0 5.4 8.0





#92

Indeno(1,2,3-cd)pyrene

Concen: 8.47 ng/ul

RT: 28.91 min Scan# 4438

Delta R.T. 0.01 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

ClientSampleId :

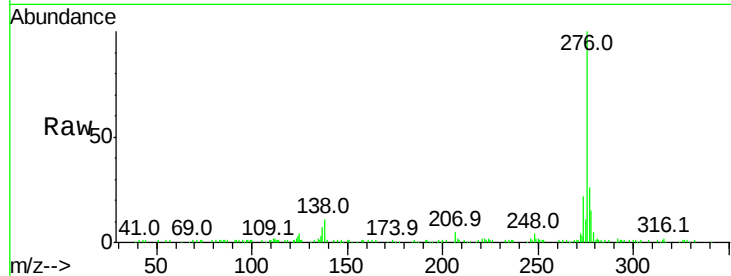
Tot Ion:276 Resp: 184328

Ion Ratio Lower Upper

276 100

138 10.9 9.9 14.9

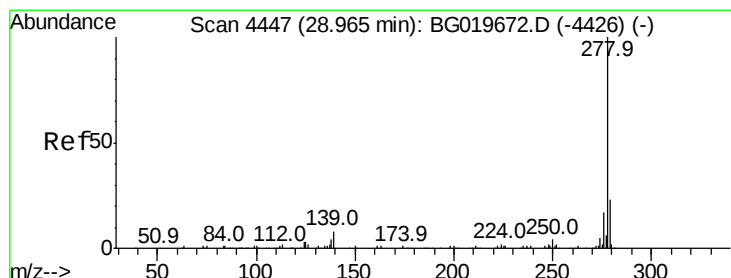
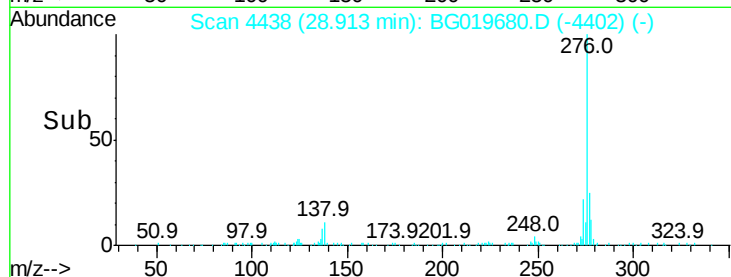
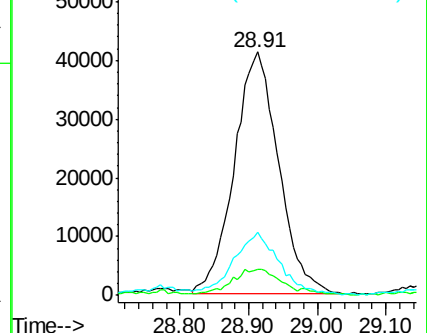
277 26.2 21.3 31.9



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: 1.55 ng/ul

RT: 28.94 min Scan# 4443

Delta R.T. -0.02 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

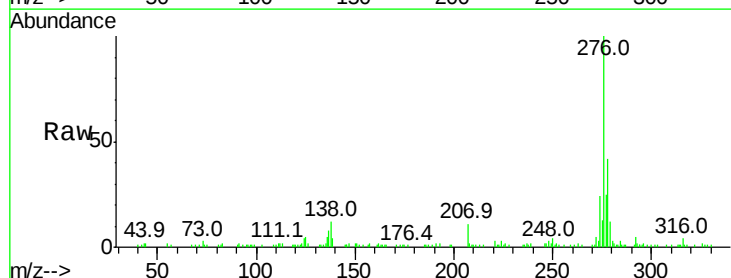
Tgt Ion:278 Resp: 27772

Ion Ratio Lower Upper

278 100

139 10.5 5.9 8.9#

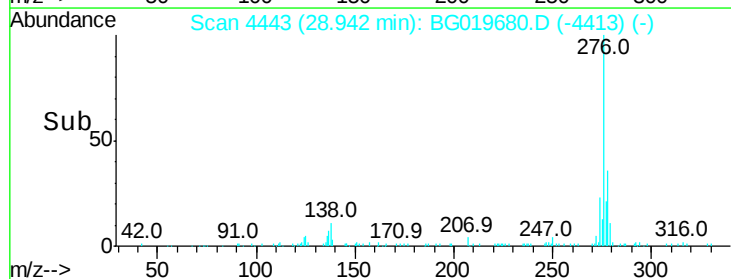
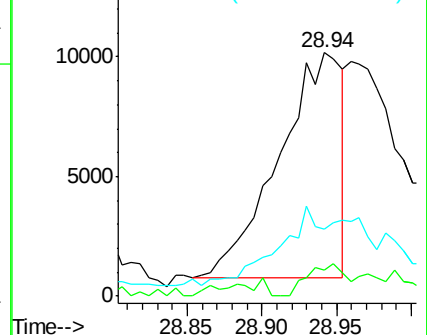
279 27.6 18.2 27.2#

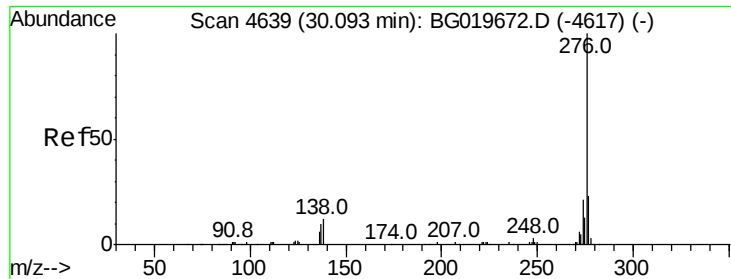


Abundance Ion 278.00 (277.70 to 278.70): E

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: 5.74 ng/ul

RT: 30.09 min Scan# 4639

Delta R.T. 0.00 min

Lab File: BG019680.D

Acq: 18 Nov 2015 4:01

Instrument :

BNA_G

ClientSampleId :

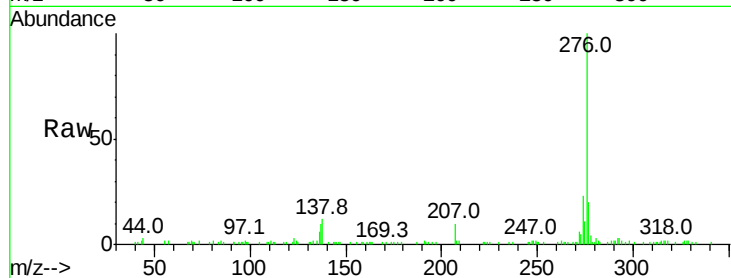
Tot Ion:276 Resp: 103619

Ion Ratio Lower Upper

276 100

138 11.8 9.2 13.8

277 20.5 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

