

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
 Data File : BG020198.D
 Acq On : 15 Dec 2015 20:41
 Operator : UM/SJ
 Sample : G4786-10
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9BQ5

Quant Time: Dec 16 03:53:17 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 16 02:38:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	21624	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	94628	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	70321	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	180735	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	203506	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	191218	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	390	1.00	ng/uL	0.00
5) Phenol-d5	7.25	99	12645	6.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	37052	32.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	36819	26.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	24873	15.25	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	28017	37.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	30182	36.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	52886	31.81	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	14653	7.85	ng/ul	-0.02
44) Dimethylphthalate-d6	14.13	166	199718	35.11	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	235416	35.57	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	7373	7.23	ng/ul	0.00
58) Fluorene-d10	15.72	176	186335	36.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	37583	35.08	ng/ul	0.00
71) Anthracene-d10	17.57	188	297264	35.70	ng/ul	0.00
79) Pyrene-d10	19.85	212	338127	35.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	310003	32.50	ng/ul	-0.01

Target Compounds

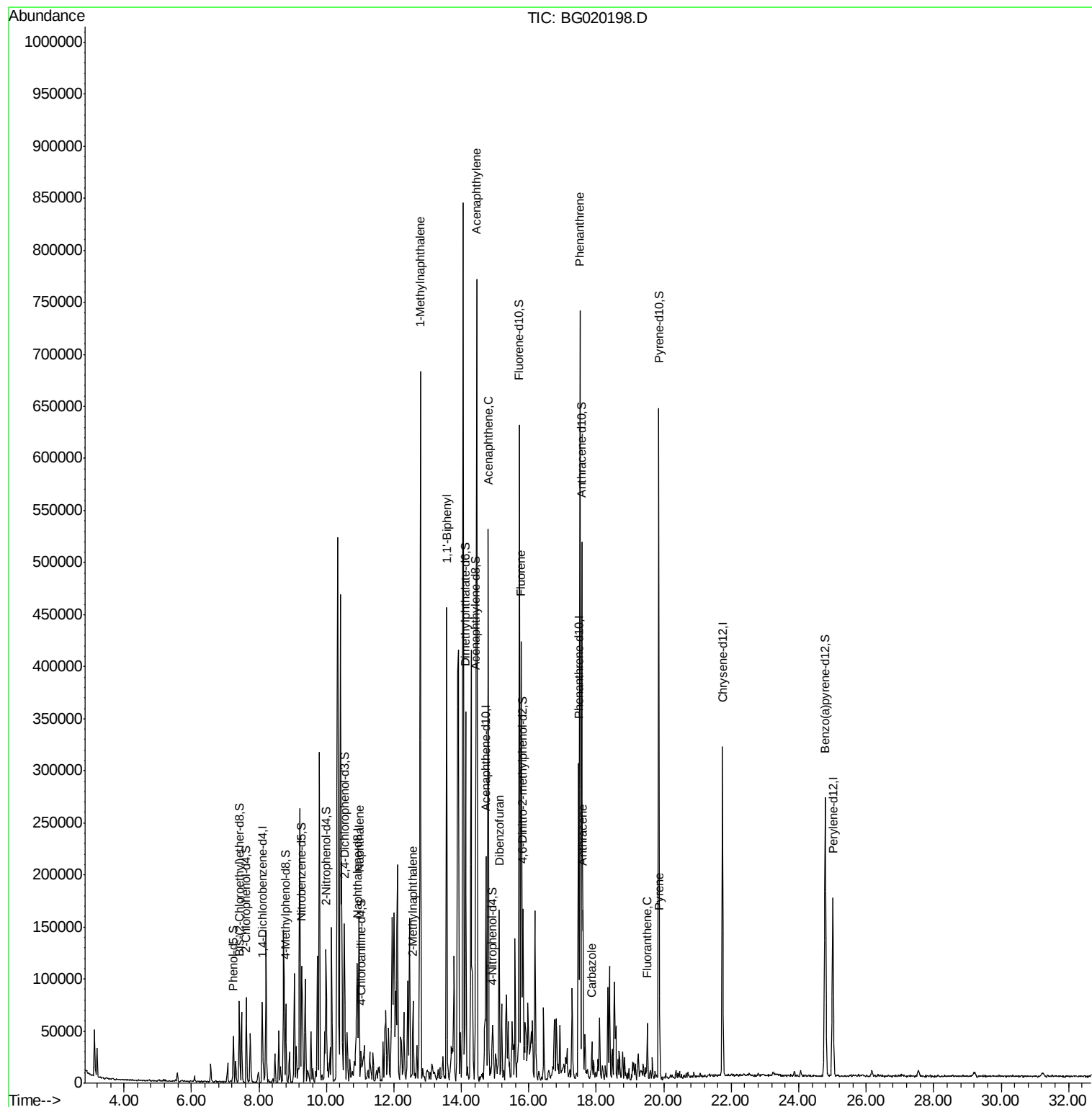
						Ovalue
28) Naphthalene	10.97	128	100086	20.25	ng/ul#	94
34) 2-Methylnaphthalene	12.56	142	19959	5.29	ng/ul	86
35) 1-Methylnaphthalene	12.78	142	309029	85.16	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	232683	43.86	ng/ul	97
48) Acenaphthylene	14.46	152	377353	53.67	ng/ul#	93
50) Acenaphthene	14.79	153	221647	46.86	ng/ul	99
54) Dibenzofuran	15.13	168	56252	7.99	ng/ul	97
59) Fluorene	15.77	166	214504	37.96	ng/ul	99
70) Phenanthrene	17.52	178	479301	48.48	ng/ul	99
72) Anthracene	17.61	178	98383	9.81	ng/ul	99
75) Carbazole	17.87	167	16242	1.93	ng/ul	98
77) Fluoranthene	19.51	202	33005	2.86	ng/ul	99
80) Pyrene	19.87	202	41684	3.38	ng/ul	98

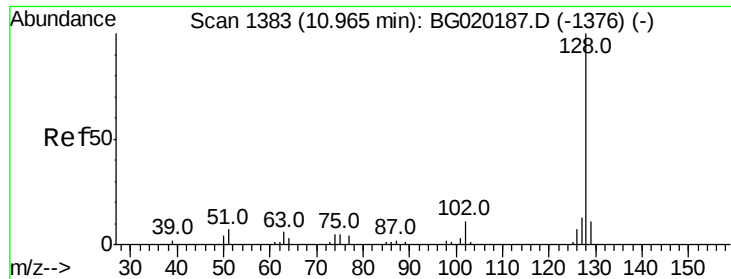
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9BQ5

Quant Time: Dec 16 03:53:17 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 16 02:38:55 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 20.25 ng/ul

RT: 10.97 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampleId :

G9BQ5

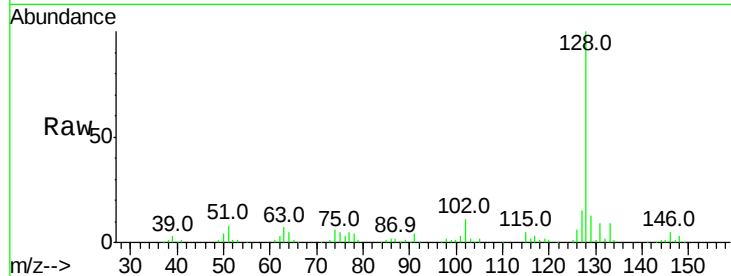
Tot Ion:128 Resp: 100086

Ion Ratio Lower Upper

128 100

129 13.5 8.6 12.8#

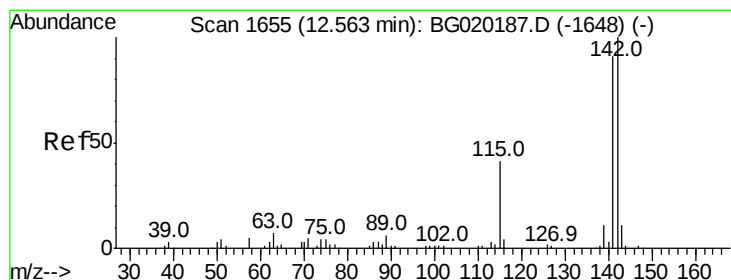
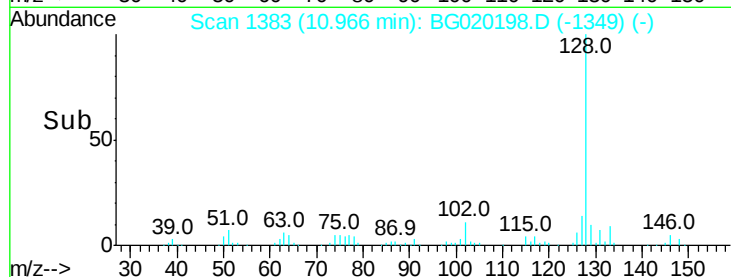
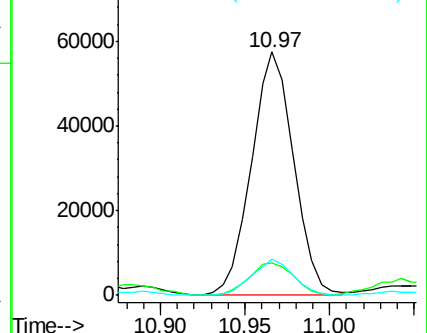
127 14.7 10.1 15.1



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: 5.29 ng/ul

RT: 12.56 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BG020198.D

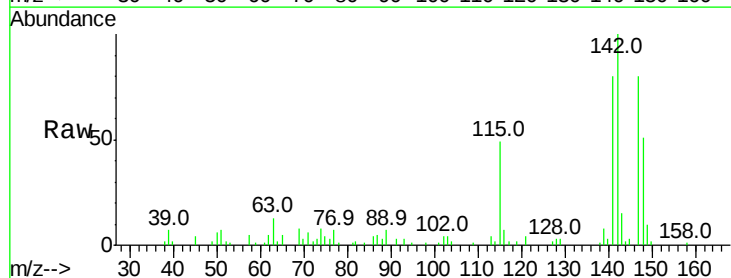
Acq: 15 Dec 2015 20:41

Tgt Ion:142 Resp: 19959

Ion Ratio Lower Upper

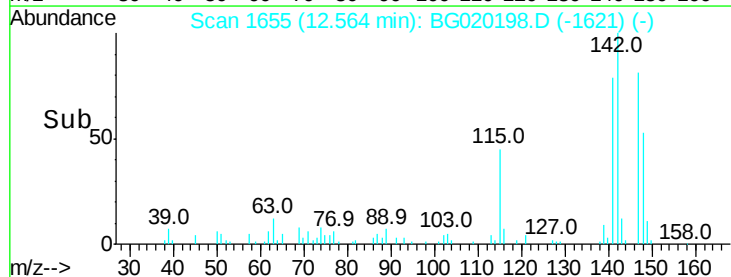
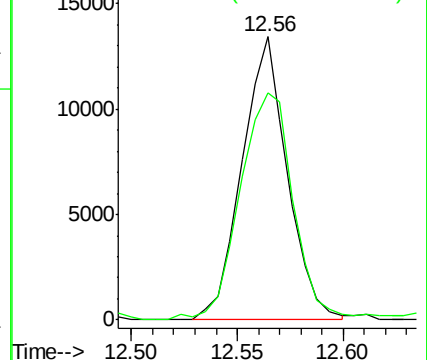
142 100

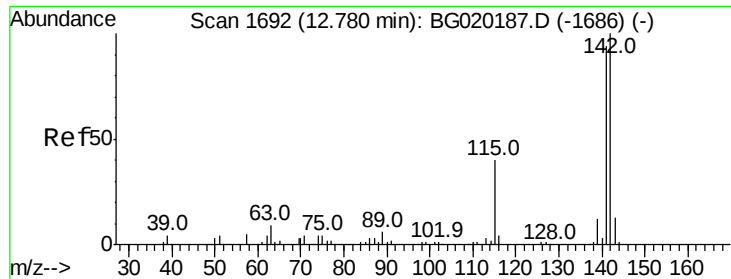
141 80.4 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 85.16 ng/ul

RT: 12.78 min Scan# 1692

Delta R.T. 0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampled :

G9BQ5

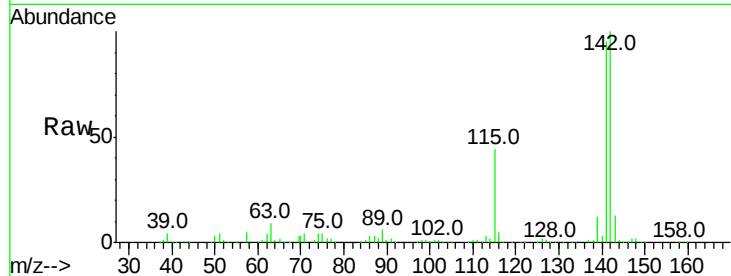
Tot Ion:142 Resp: 309029

Ion Ratio Lower Upper

142 100

141 94.5 73.0 109.6

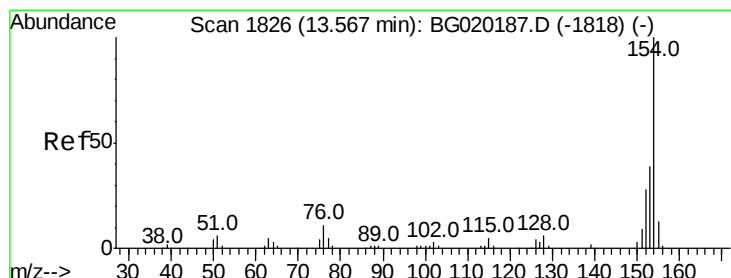
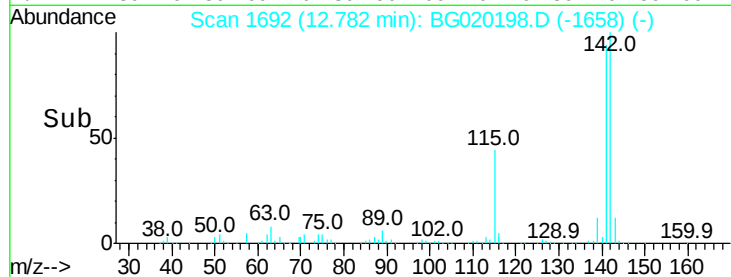
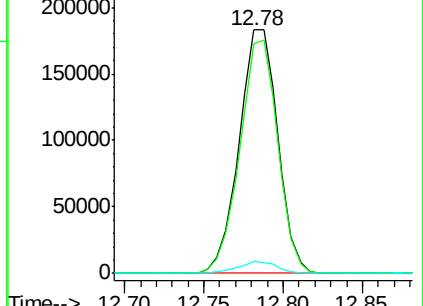
116 4.8 3.0 4.6#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#41

1,1'-Biphenyl

Concen: 43.86 ng/ul

RT: 13.56 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

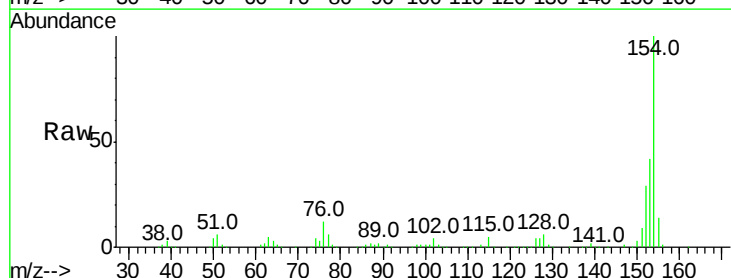
Tgt Ion:154 Resp: 232683

Ion Ratio Lower Upper

154 100

153 42.3 35.5 53.3

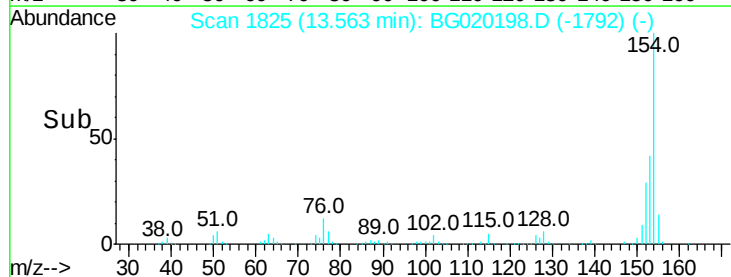
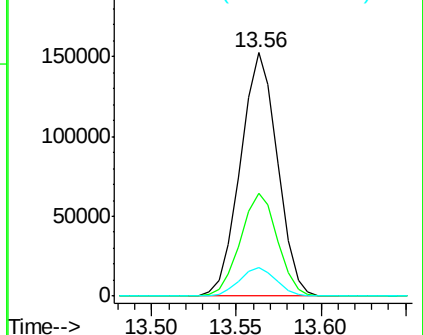
76 11.6 10.4 15.6

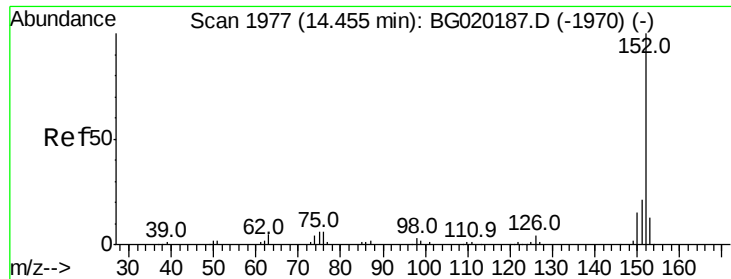


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





#48

Acenaphthylene

Concen: 53.67 ng/ul

RT: 14.46 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampleId :

G9BQ5

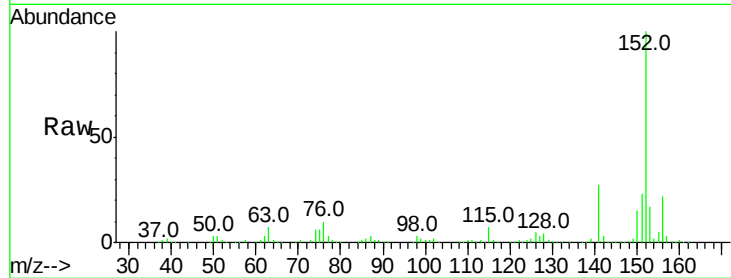
Tot Ion:152 Resp: 377353

Ion Ratio Lower Upper

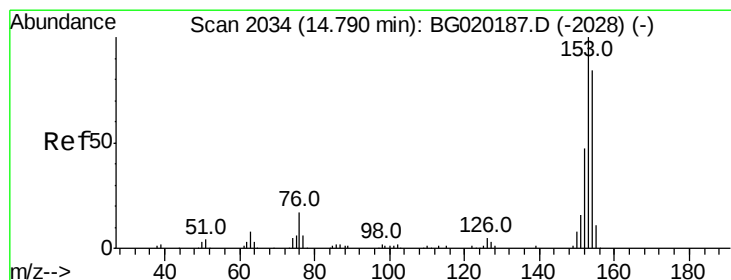
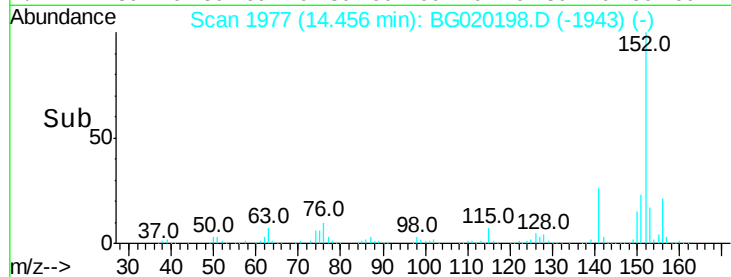
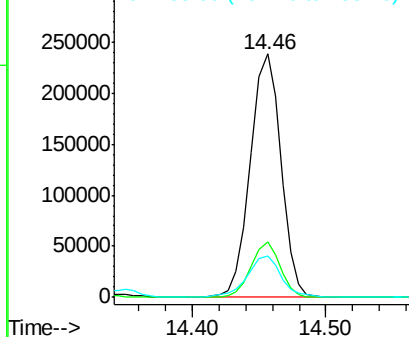
152 100

151 23.0 16.4 24.6

153 17.1 10.4 15.6#



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: 46.86 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

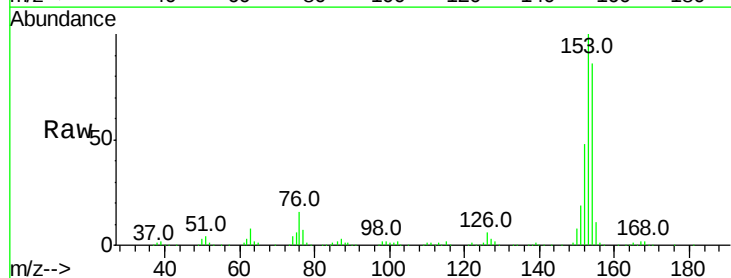
Tgt Ion:153 Resp: 221647

Ion Ratio Lower Upper

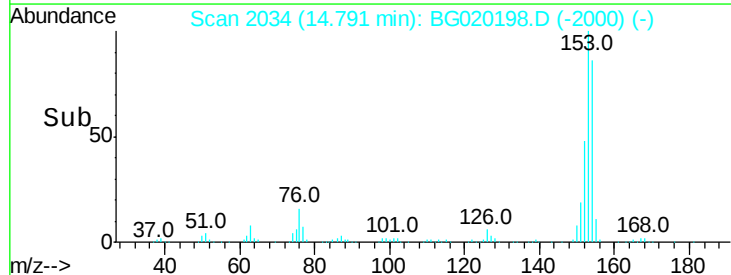
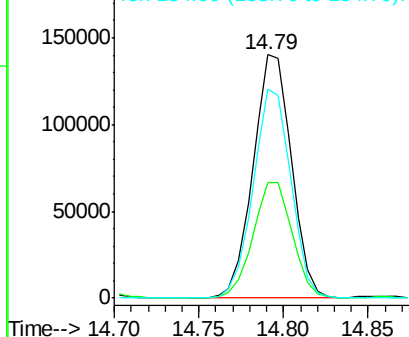
153 100

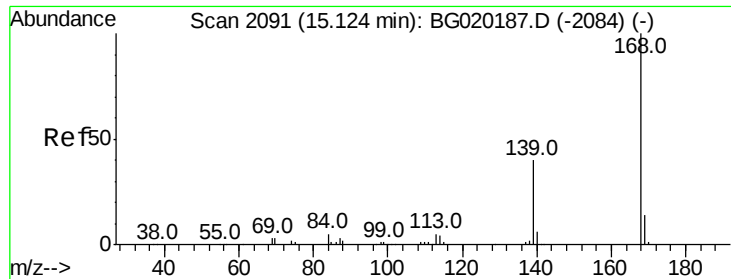
152 47.5 37.6 56.4

154 85.7 67.9 101.9



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: 7.99 ng/ul

RT: 15.13 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampleId :

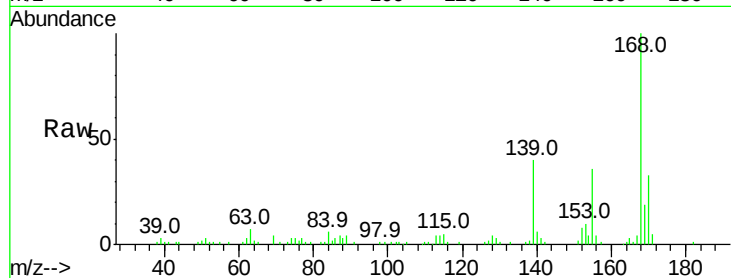
G9BQ5

Tot Ion:168 Resp: 56252

Ion Ratio Lower Upper

168 100

139 39.8 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.13

40000

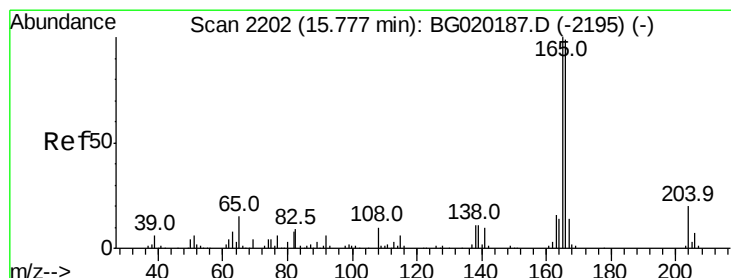
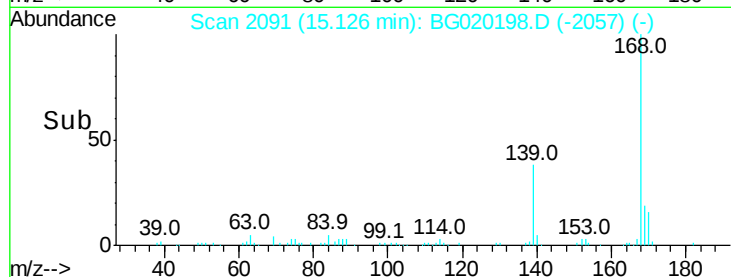
30000

20000

10000

0

Time--> 15.05 15.10 15.15



#59

Fluorene

Concen: 37.96 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

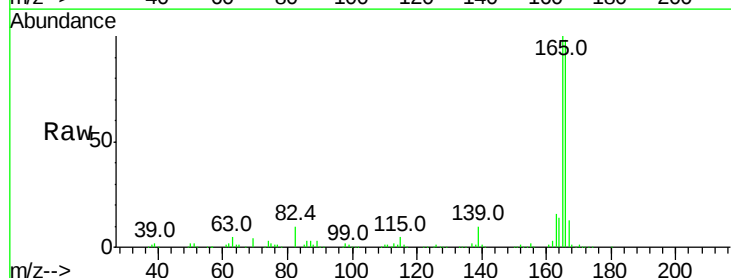
Tgt Ion:166 Resp: 214504

Ion Ratio Lower Upper

166 100

165 102.3 81.4 122.0

167 13.7 11.2 16.8



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

15.77

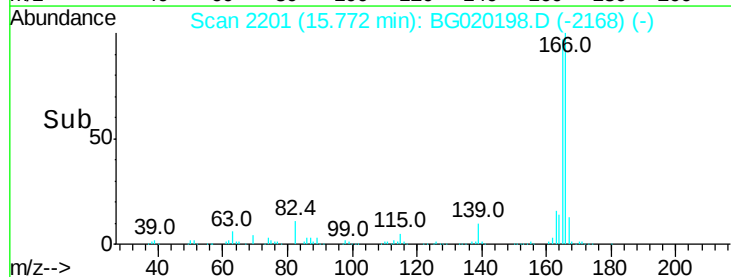
150000

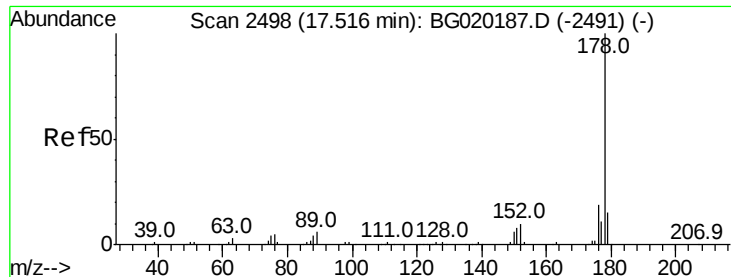
100000

50000

0

Time--> 15.70 15.75 15.80 15.85





#70

Phenanthrene

Concen: 48.48 ng/ul

RT: 17.52 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampleId :

G9BQ5

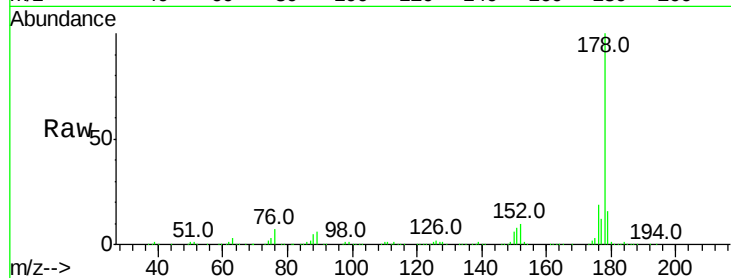
Tot Ion:178 Resp: 479301

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.9	19.3
176	19.4	15.3	22.9

178 100

179 16.3 12.9 19.3

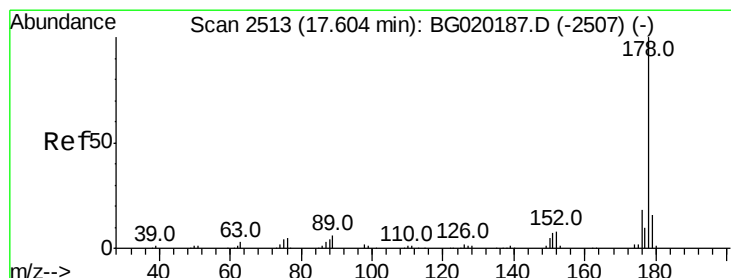
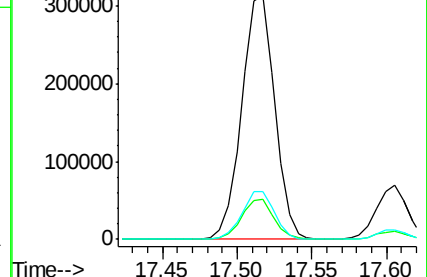
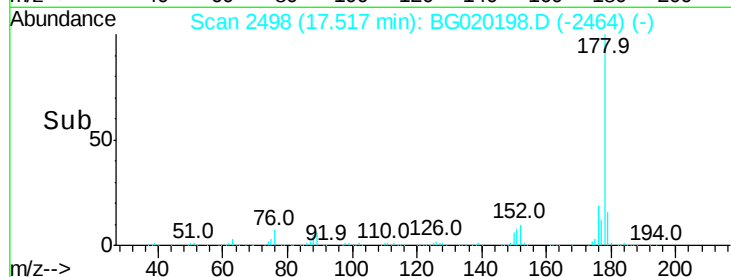
176 19.4 15.3 22.9



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: 9.81 ng/ul

RT: 17.61 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

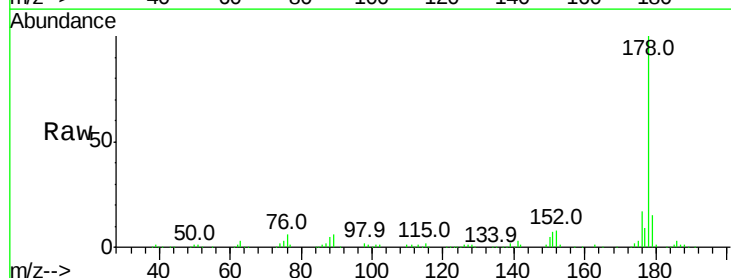
Tgt Ion:178 Resp: 98383

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	17.2	14.3	21.5

178 100

179 15.4 12.3 18.5

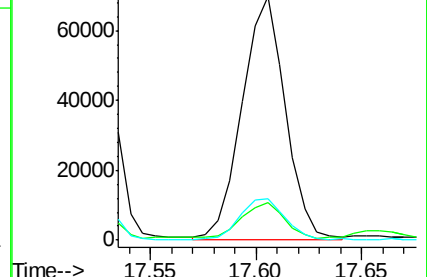
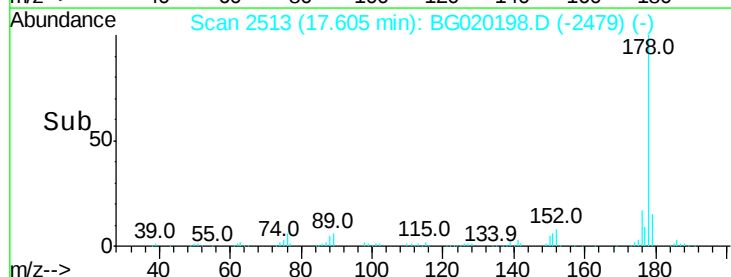
176 17.2 14.3 21.5

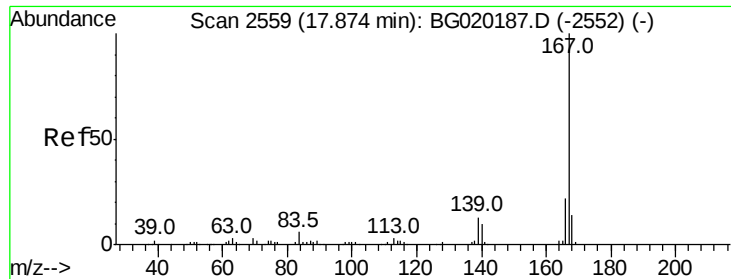


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.93 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampleId :

G9BQ5

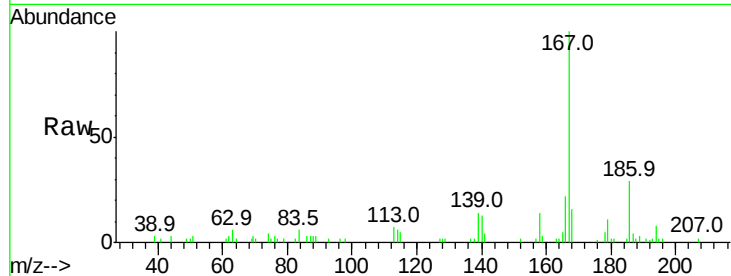
Tot Ion:167 Resp: 16242

Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.6

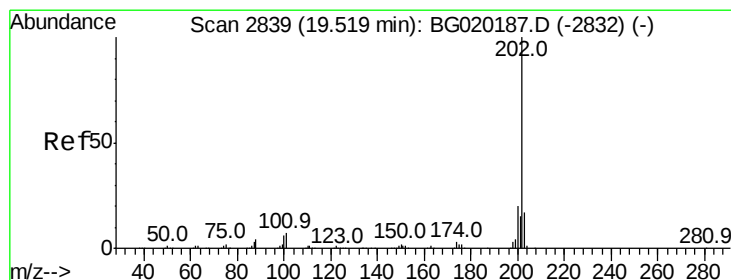
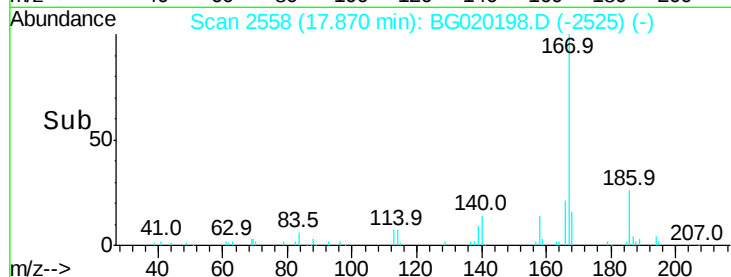
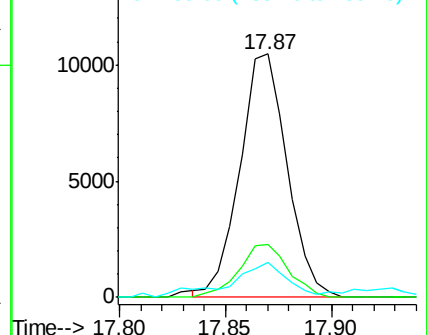
139 14.2 10.1 15.1



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



#77

Fluoranthene

Concen: 2.86 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

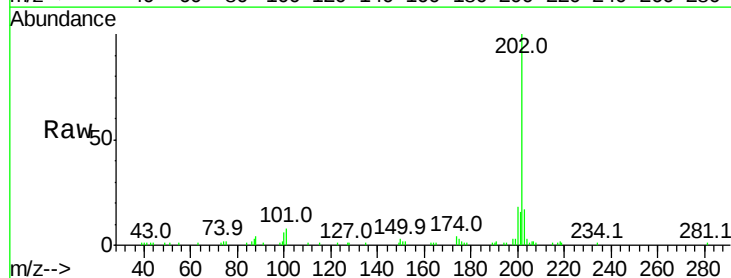
Tgt Ion:202 Resp: 33005

Ion Ratio Lower Upper

202 100

101 7.6 6.2 9.4

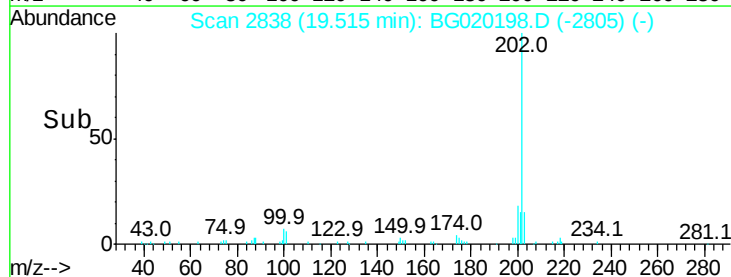
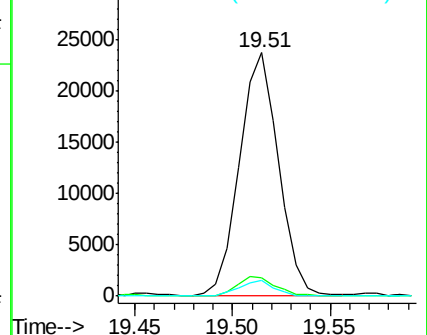
100 6.3 5.1 7.7

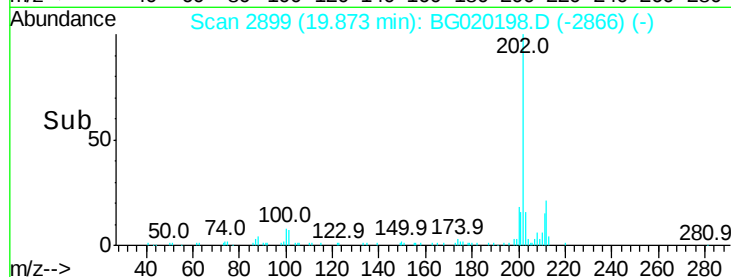
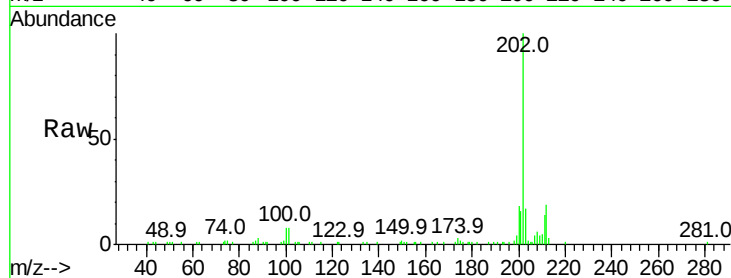
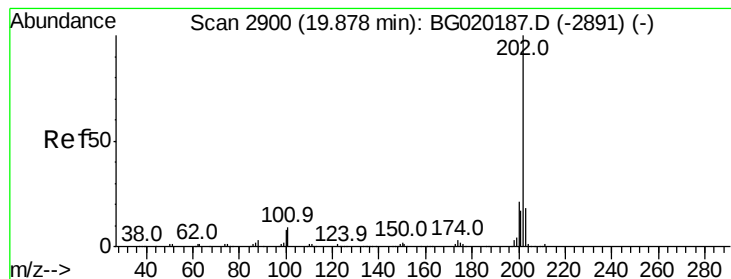


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pvrene

Concen: 3.38 ng/ul

RT: 19.87 min Scan# 2899

Delta R.T. -0.00 min

Lab File: BG020198.D

Acq: 15 Dec 2015 20:41

Instrument :

BNA_G

ClientSampleId :

G9BQ5

Tot Ion:202 Resp: 41684

Ion Ratio Lower Upper

202 100

101 7.6 7.0 10.4

100 7.6 6.4 9.6

