

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070816\  
 Data File : BM006319.D  
 Acq On : 07 Jul 2016 14:54  
 Operator : UM/SJ  
 Sample : H3914-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4TR5

Quant Time: Jul 08 01:32:46 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM070716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 08 01:14:08 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 4255     | 0.40 | ng/ul | 0.00     |
| 4) Naphthalene-d8         | 10.43 | 136  | 17310    | 0.40 | ng/ul | 0.00     |
| 8) Acenaphthene-d10       | 14.30 | 164  | 11152    | 0.40 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.14 | 188  | 1667672  | 0.40 | ng/ul | 0.10     |
| 18) Chrysene-d12          | 21.24 | 240  | 21246    | 0.40 | ng/ul | 0.00     |
| 22) Perylene-d12          | 23.32 | 264  | 1133840  | 0.40 | ng/ul | -0.14    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 2) 1,4-Dioxane-d8           | 3.17  | 96   | 3131     | 1.74 | ng/uL | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.02 | 152  | 7975     | 0.39 | ng/ul | 0.00     |
| 16) Fluoranthene-d10        | 19.07 | 212  | 23956    | 0.01 | ng/ul | 0.00     |

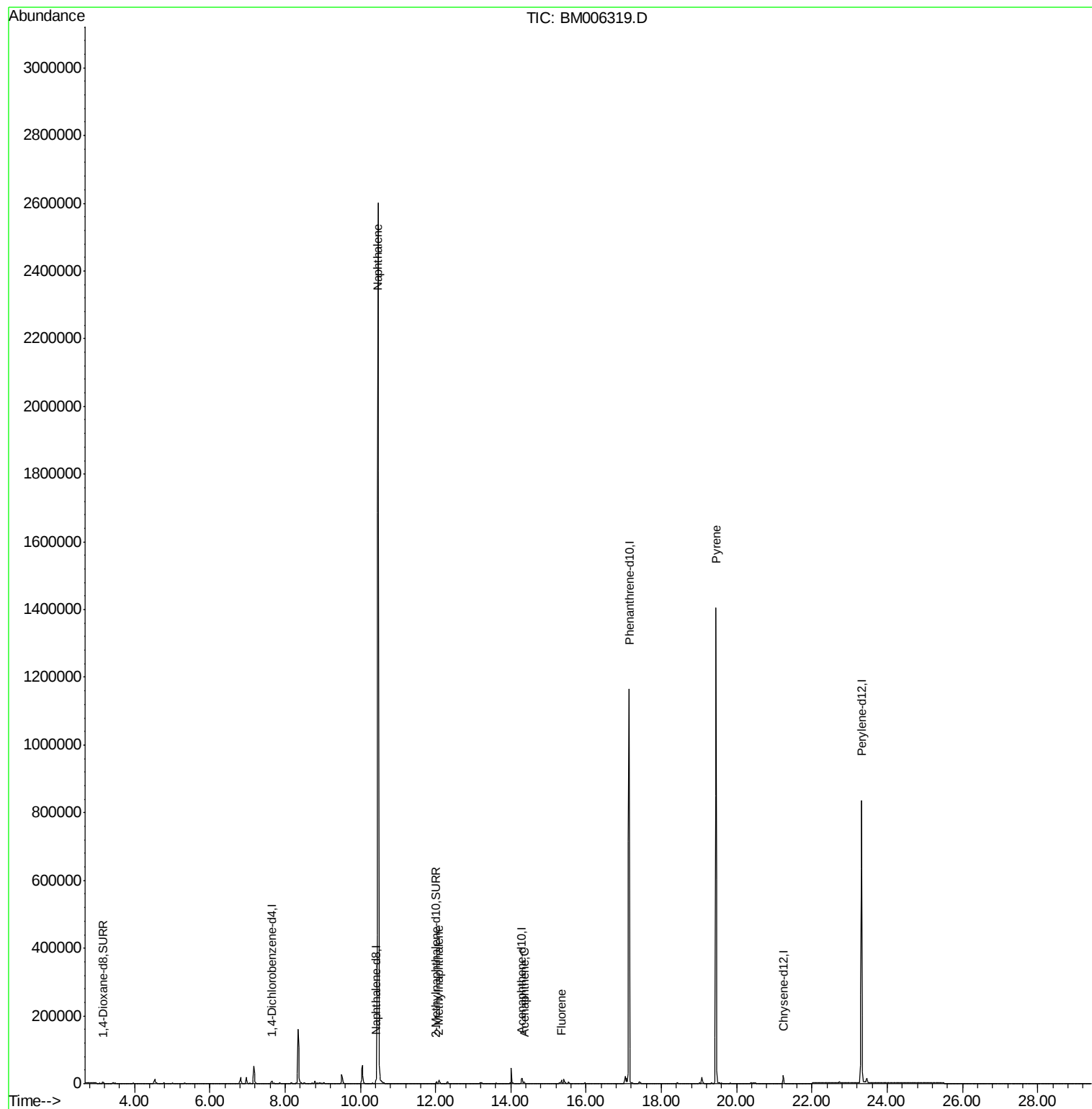
| Target Compounds       | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|------------------------|-------|------|----------|--------|--------|--------|
| 5) Naphthalene         | 10.48 | 128  | 4108074  | 101.75 | ng/ul  | 98     |
| 7) 2-Methylnaphthalene | 12.09 | 142  | 8624     | 0.32   | ng/ul  | 99     |
| 10) Acenaphthene       | 14.35 | 153  | 3641     | 0.10   | ng/ul  | 89     |
| 11) Fluorene           | 15.34 | 166  | 9212     | 0.22   | ng/ul# | 82     |
| 19) Pyrene             | 19.45 | 202  | 3914     | 0.04   | ng/ul# | 1      |

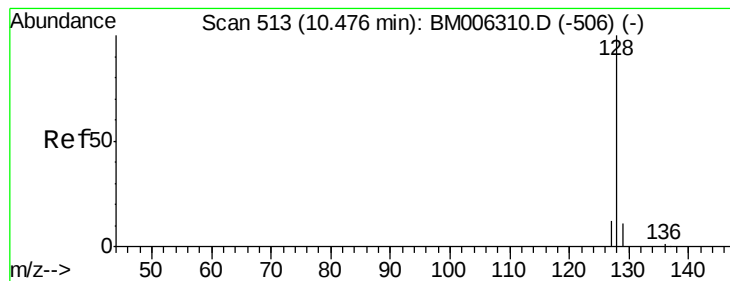
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 101.75 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006319.D

Acq: 07 Jul 2016 14:54

Instrument :

BNA\_M

ClientSampleId :

A4TR5

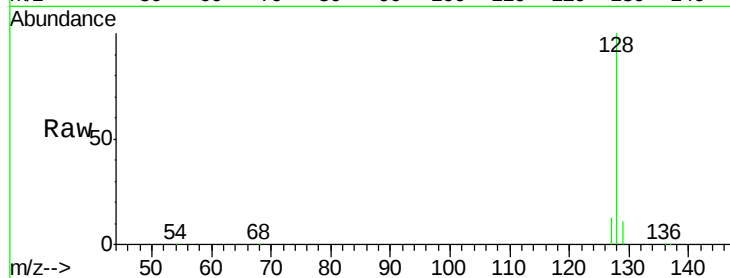
Tgt Ion:128 Resp: 4108074

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

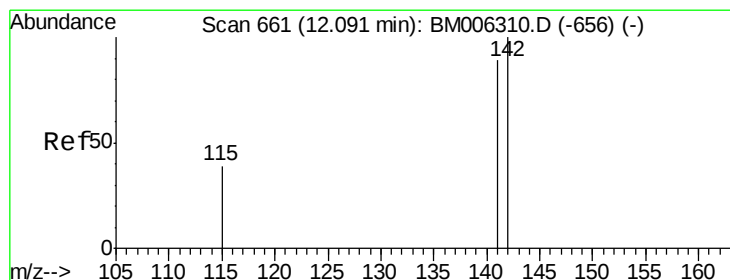
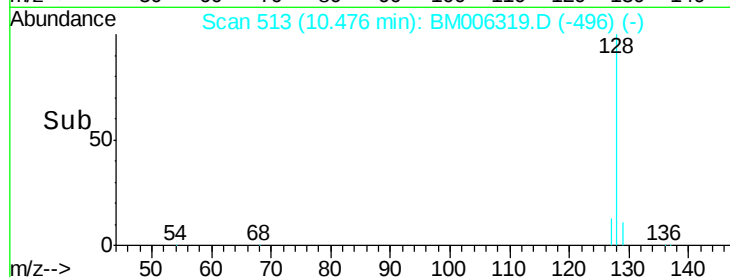
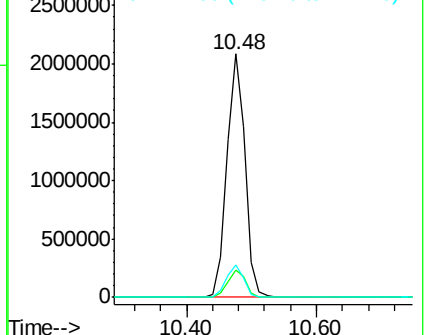
127 13.4 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 0.32 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006319.D

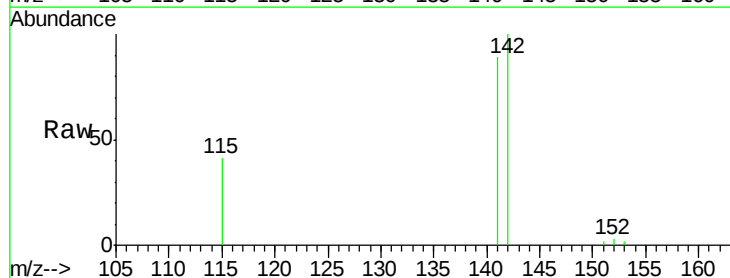
Acq: 07 Jul 2016 14:54

Tgt Ion:142 Resp: 8624

Ion Ratio Lower Upper

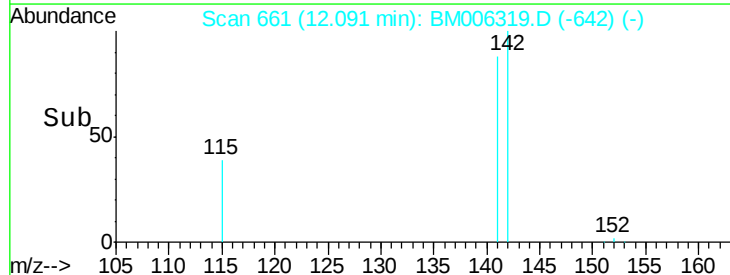
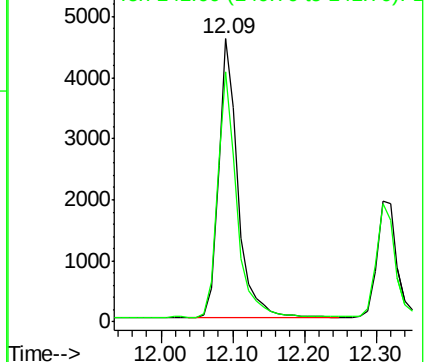
142 100

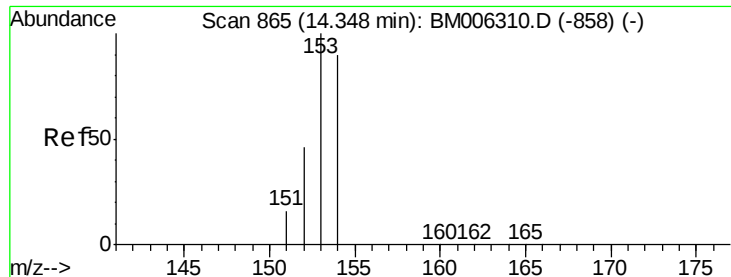
141 87.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006319.D

Acq: 07 Jul 2016 14:54

Instrument :

BNA\_M

ClientSampleId :

A4TR5

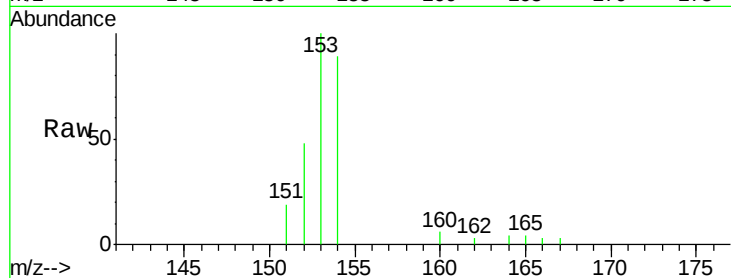
Tgt Ion:153 Resp: 3641

Ion Ratio Lower Upper

153 100

152 48.1 33.9 50.9

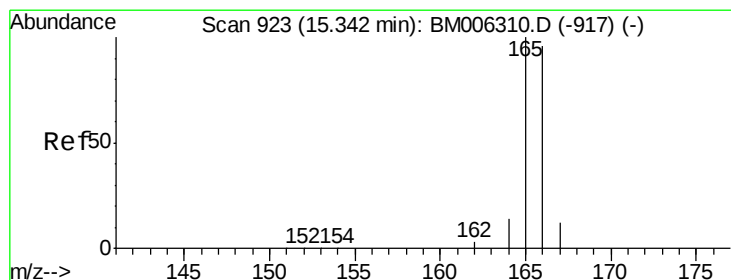
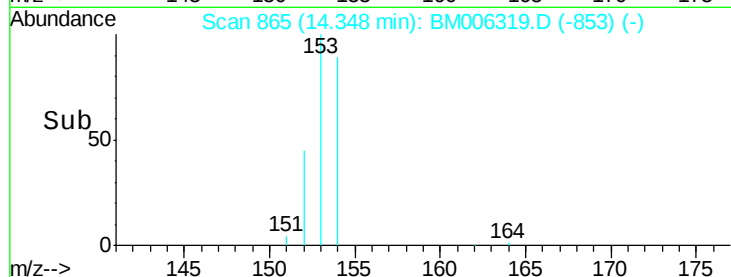
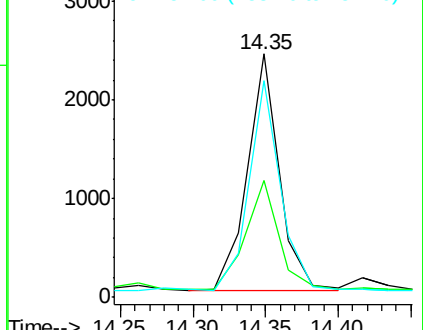
154 88.8 80.6 121.0



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



#11

Fluorene

Concen: 0.22 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM006319.D

Acq: 07 Jul 2016 14:54

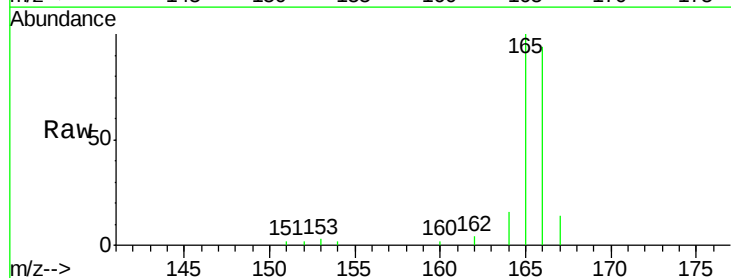
Tgt Ion:166 Resp: 9212

Ion Ratio Lower Upper

166 100

165 106.2 69.6 104.4#

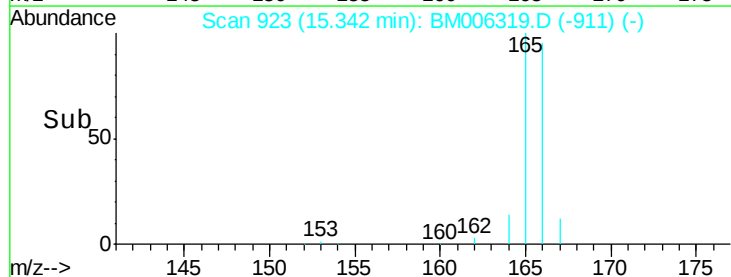
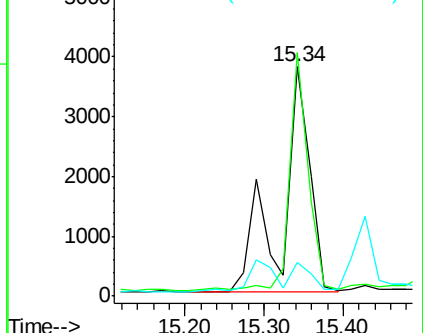
167 14.6 11.9 17.9

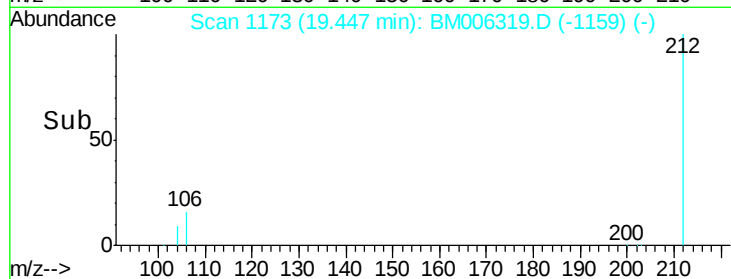
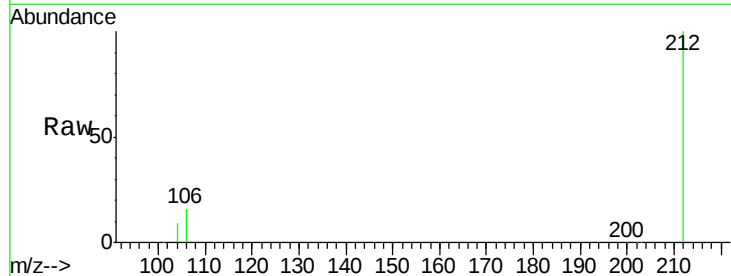
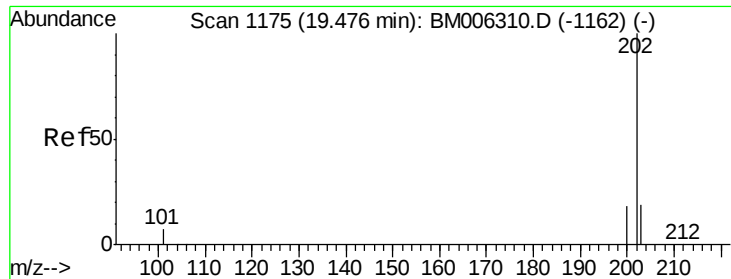


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Pyrene

Concen: 0.04 ng/ul

RT: 19.45 min Scan# 1173

Delta R.T. -0.03 min

Lab File: BM006319.D

Acq: 07 Jul 2016 14:54

Instrument :

BNA\_M

ClientSampleId :

A4TR5

Tgt Ion: 202 Resp: 3914

Ion Ratio Lower Upper

202 100

200 7.0 17.8 26.8#

203 182.8 12.8 19.2#

