

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\  
 Data File : BF087814.D  
 Acq On : 8 Jun 2016 17:21  
 Operator : UM/SJ  
 Sample : H3378-14  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-23

Quant Time: Jun 09 02:31:16 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 07 18:51:55 2016  
 Response via : Initial Calibration

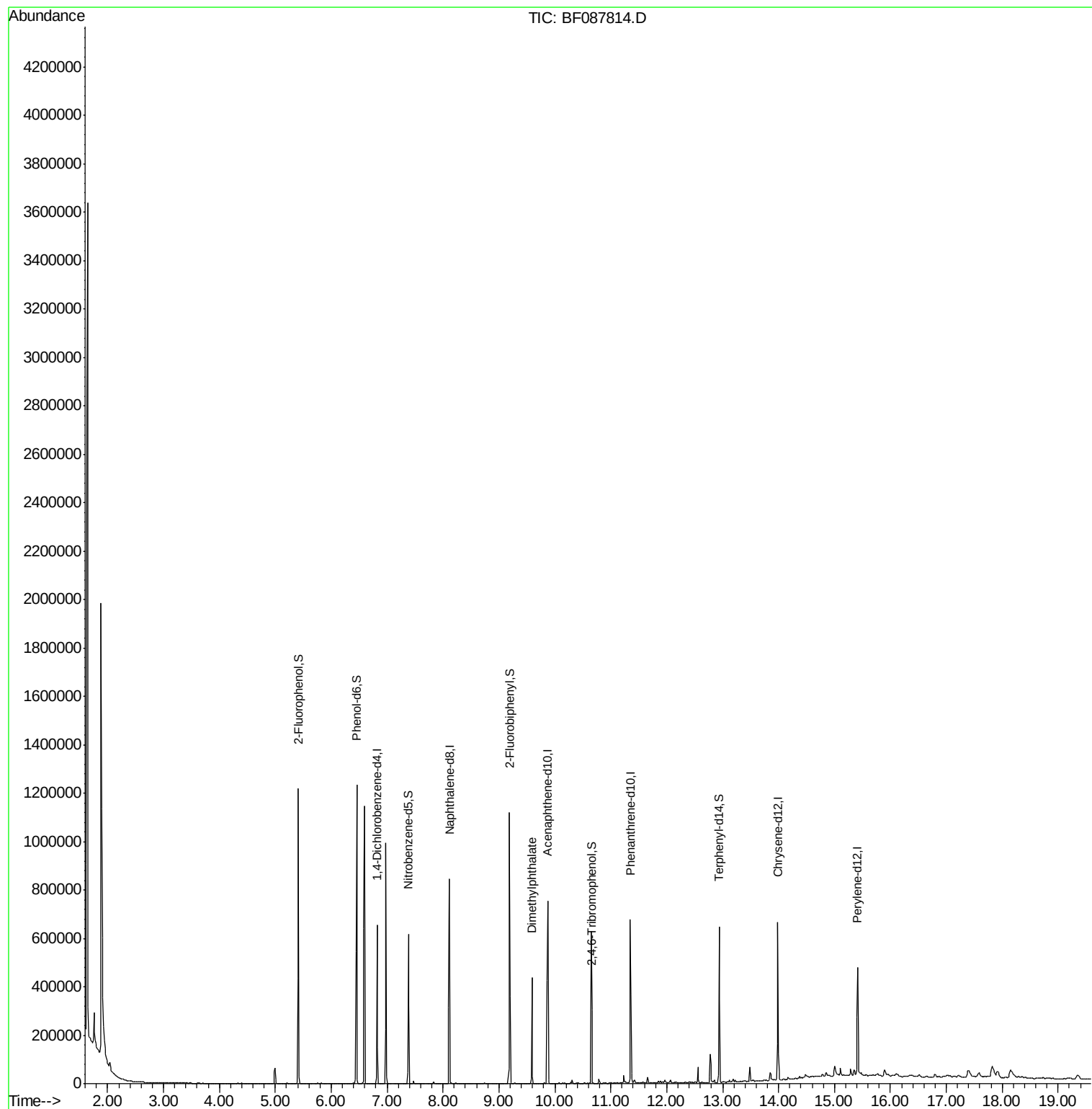
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 97150    | 20.00 | ng    | -0.02        |
| 21) Naphthalene-d8          | 8.11  | 136  | 416105   | 20.00 | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.87  | 164  | 180768   | 20.00 | ng    | -0.01        |
| 63) Phenanthrene-d10        | 11.35 | 188  | 293875   | 20.00 | ng    | -0.01        |
| 75) Chrysene-d12            | 13.99 | 240  | 210772   | 20.00 | ng    | 0.00         |
| 86) Perylene-d12            | 15.42 | 264  | 202359   | 20.00 | ng    | 0.02         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.42  | 112  | 352337   | 62.00 | ng    | -0.01        |
| 7) Phenol-d6                | 6.46  | 99   | 474460   | 68.89 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 238178   | 33.42 | ng    | -0.03        |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 88190    | 46.20 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.19  | 172  | 373534   | 28.80 | ng    | -0.02        |
| 78) Terphenyl-d14           | 12.94 | 244  | 236722   | 25.56 | ng    | -0.01        |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.59  | 163  | 160330   | 12.24 | ng    | Qvalue<br>99 |

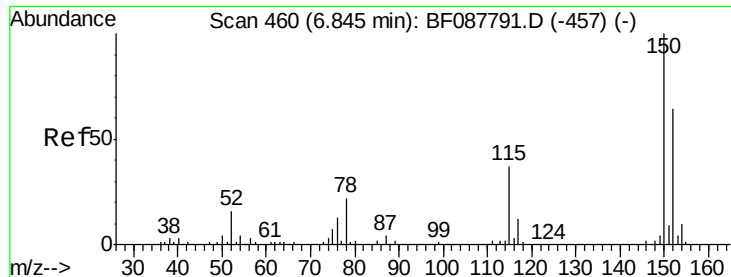
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\  
Data File : BF087814.D  
Acq On : 8 Jun 2016 17:21  
Operator : UM/SJ  
Sample : H3378-14  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SS-23

Quant Time: Jun 09 02:31:16 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 07 18:51:55 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087814.D

Acq: 8 Jun 2016 17:21

Instrument :

BNA\_F

ClientSampleId :

SS-23

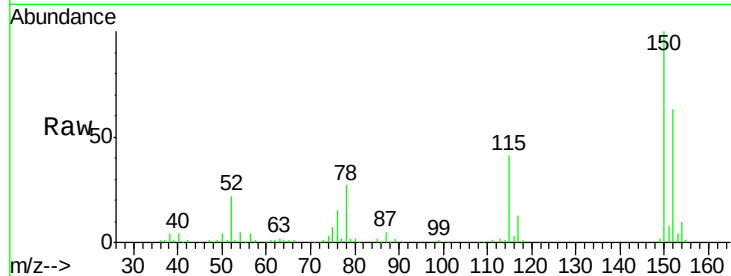
Tot Ion:152 Resp: 97150

Ion Ratio Lower Upper

152 100

150 158.5 123.8 185.6

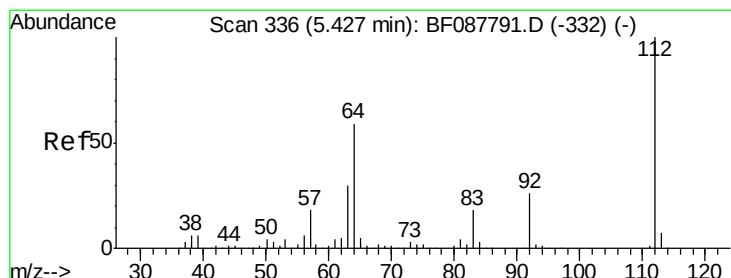
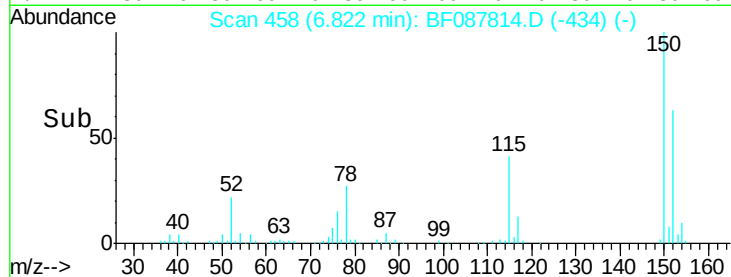
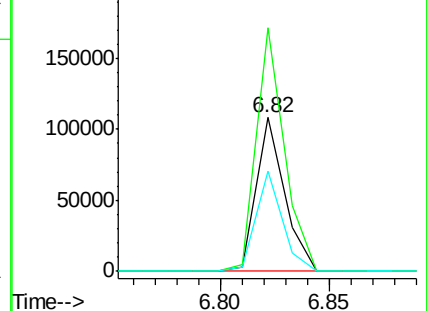
115 65.5 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 62.00 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087814.D

Acq: 8 Jun 2016 17:21

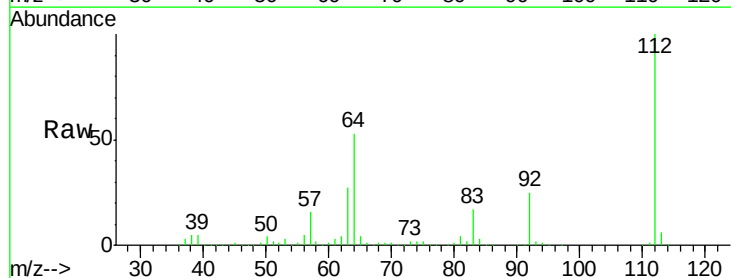
Tgt Ion:112 Resp: 352337

Ion Ratio Lower Upper

112 100

64 52.8 42.2 63.2

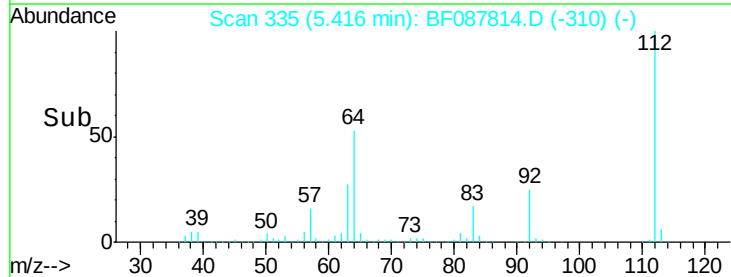
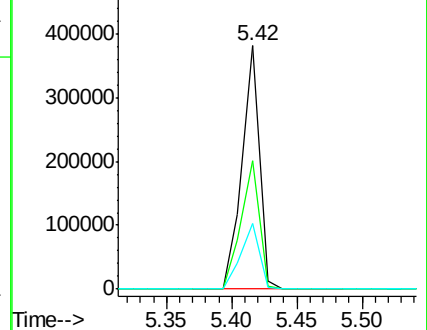
63 27.2 21.8 32.8

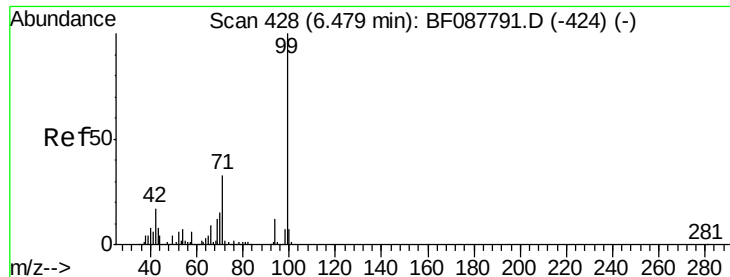


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 68.89 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087814.D

Acq: 8 Jun 2016 17:21

Instrument :

BNA\_F

ClientSampleId :

SS-23

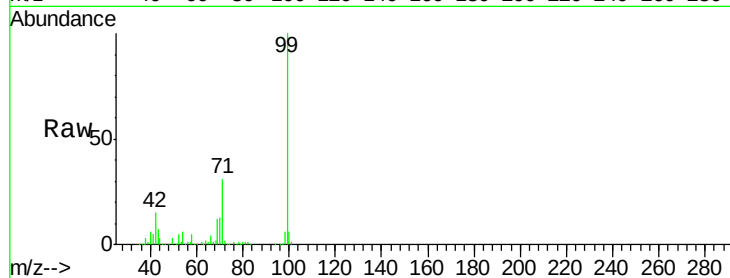
Tot Ion: 99 Resp: 474460

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

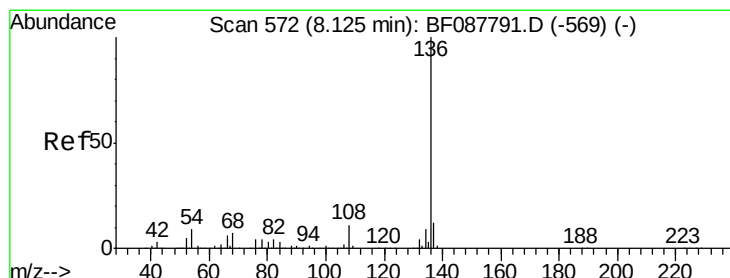
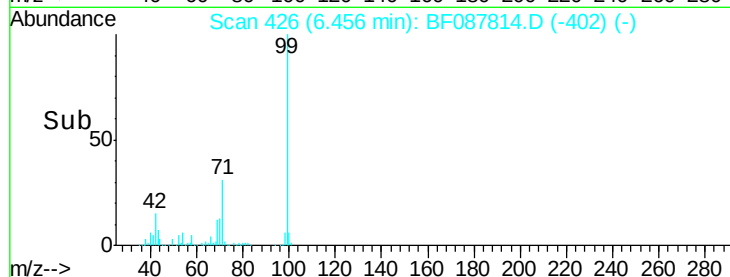
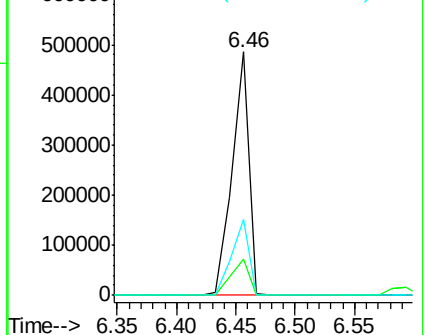
71 31.2 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087814.D

Acq: 8 Jun 2016 17:21

Tgt Ion: 136 Resp: 416105

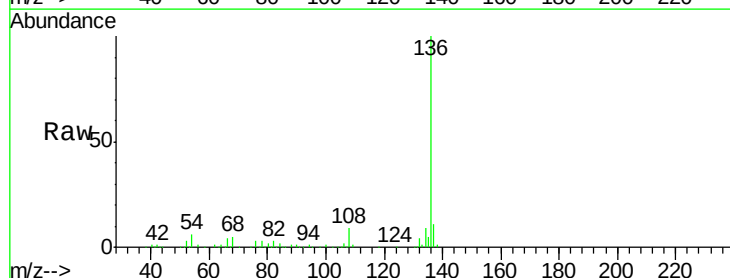
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.7 6.6 10.0#

68 4.7 5.1 7.7#

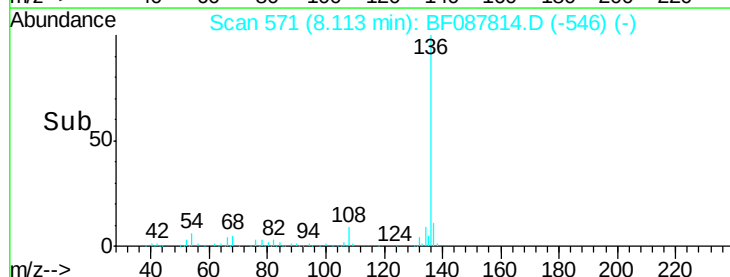
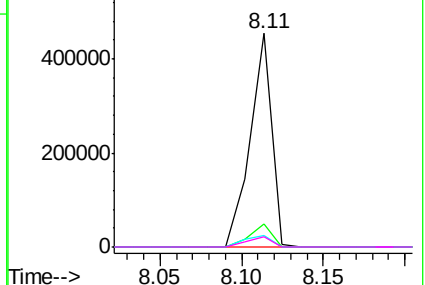


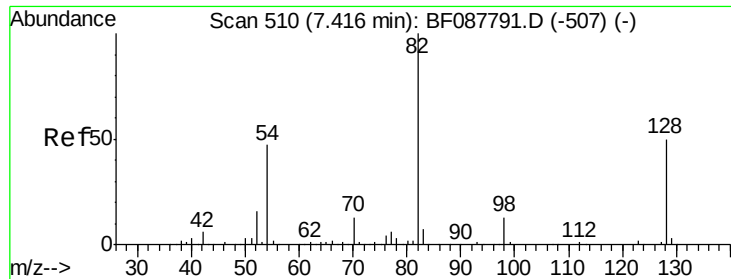
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

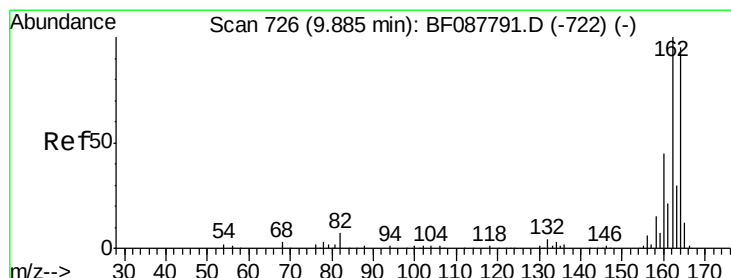
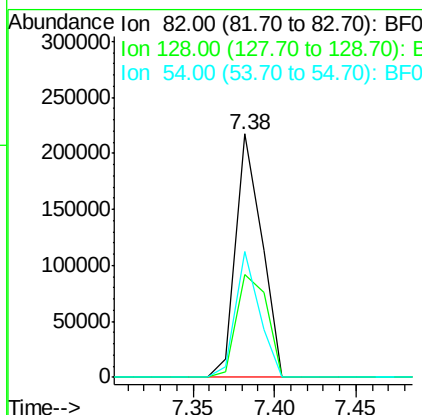
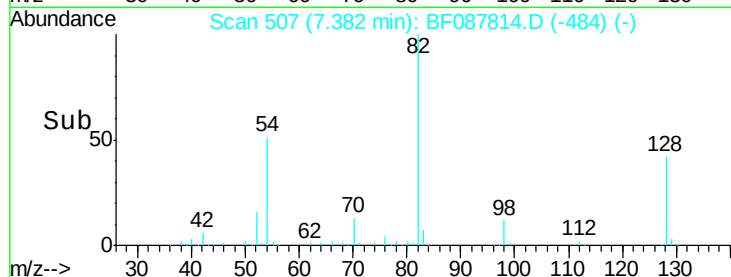
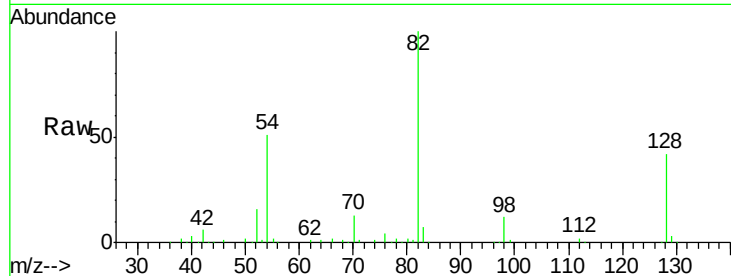




#23  
 Nitrobenzene-d5  
 Concen: 33.42 ng  
 RT: 7.38 min Scan# 507  
 Delta R.T. -0.03 min  
 Lab File: BF087814.D  
 Acq: 8 Jun 2016 17:21

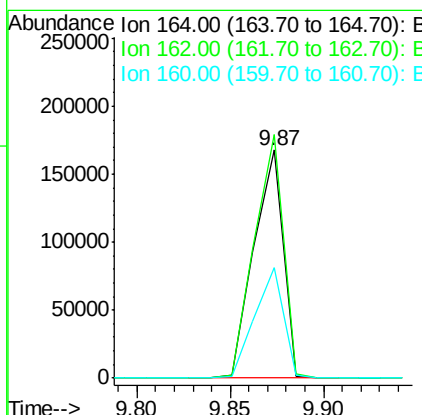
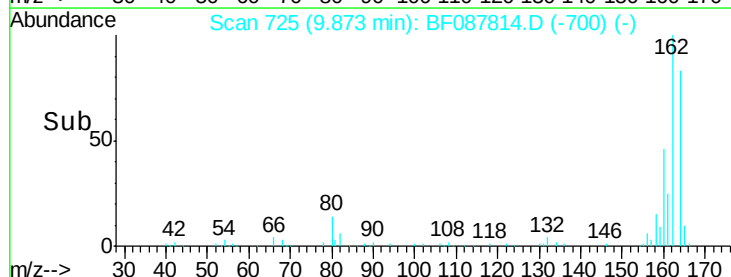
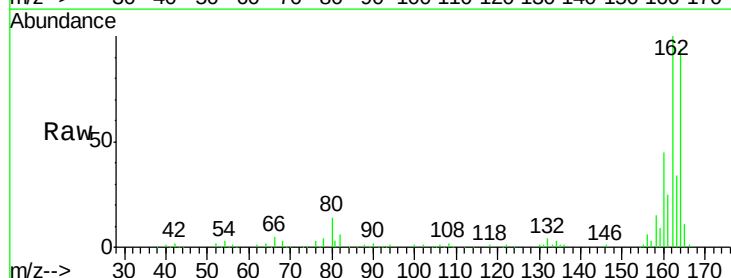
Instrument :  
 BNA\_F  
 ClientSampled :  
 SS-23

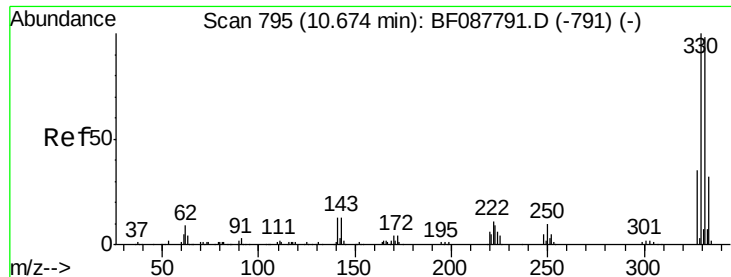
| Tot Ion   | 82   | Resp  | 238178 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 42.1 | 35.9  | 53.9   |
| 54        | 51.5 | 40.9  | 61.3   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.87 min Scan# 725  
 Delta R.T. -0.01 min  
 Lab File: BF087814.D  
 Acq: 8 Jun 2016 17:21

| Tgt Ion   | 164   | Resp  | 180768 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 106.8 | 85.4  | 128.2  |
| 160       | 48.4  | 39.5  | 59.3   |





#41

2,4,6-Tribromophenol

Concen: 46.20 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087814.D

Acq: 8 Jun 2016 17:21

Instrument :

BNA\_F

ClientSampled :

SS-23

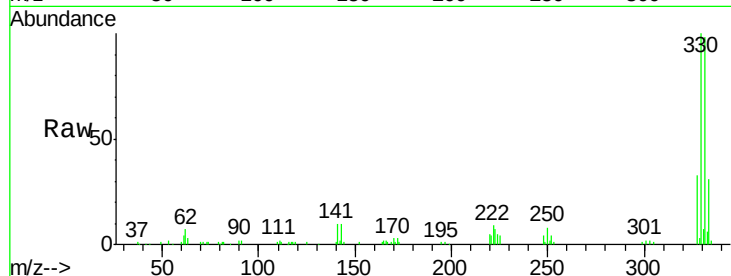
Tot Ion:330 Resp: 88190

Ion Ratio Lower Upper

330 100

332 96.2 0.0 0.0#

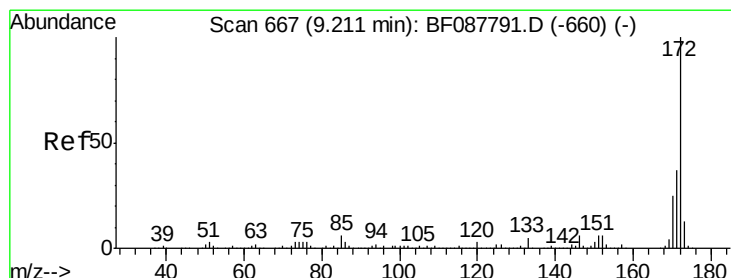
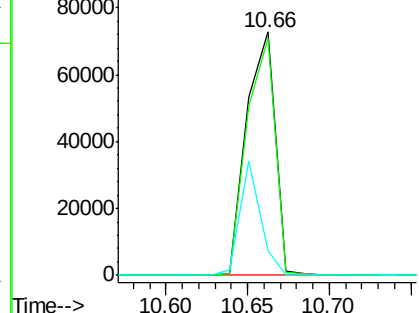
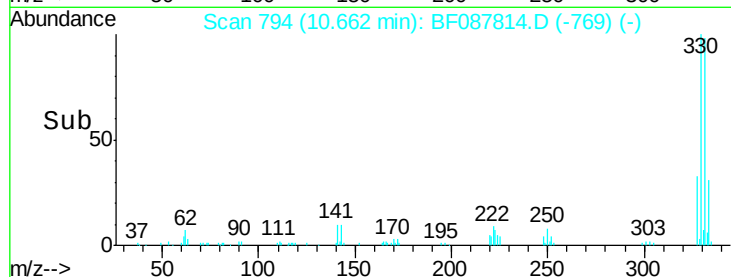
141 33.5 0.0 0.0#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 28.80 ng

RT: 9.19 min Scan# 665

Delta R.T. -0.02 min

Lab File: BF087814.D

Acq: 8 Jun 2016 17:21

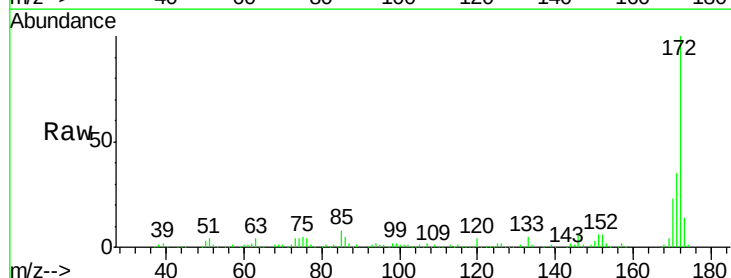
Tgt Ion:172 Resp: 373534

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

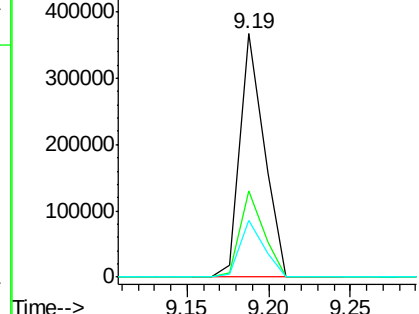
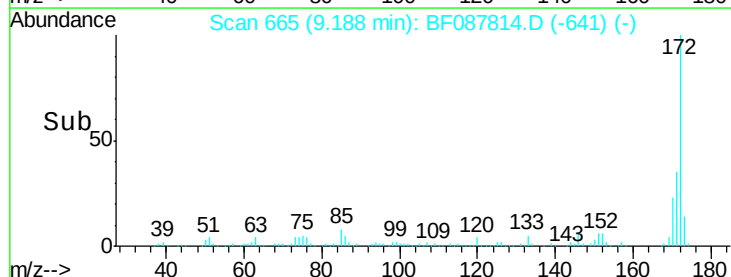
170 23.5 19.2 28.8

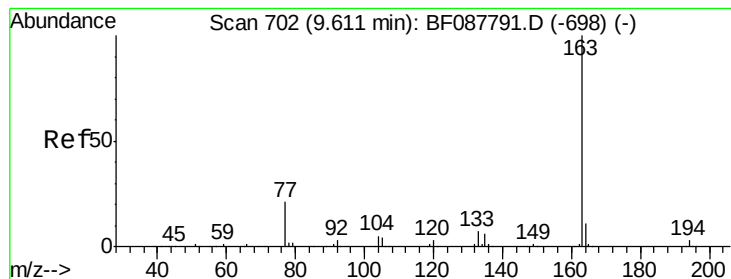


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 12.24 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087814.D

Acq: 8 Jun 2016 17:21

Instrument :

BNA\_F

ClientSampleId :

SS-23

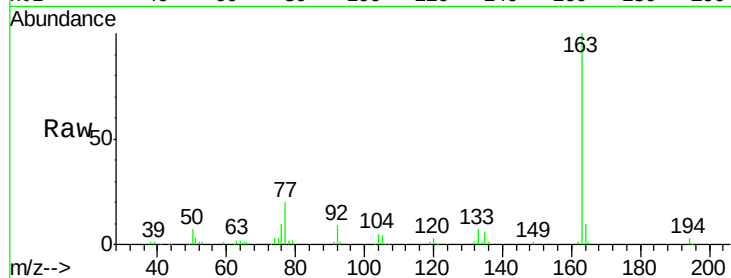
Tot Ion:163 Resp: 160330

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

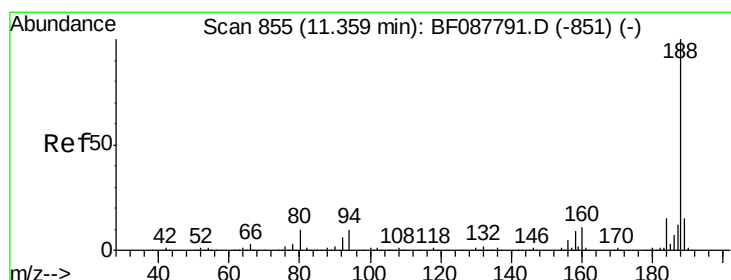
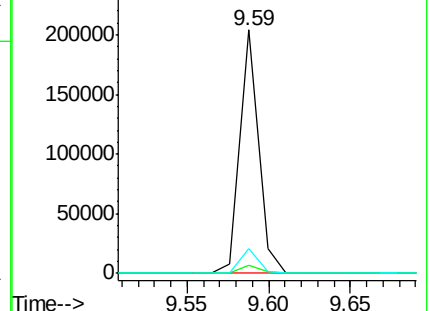
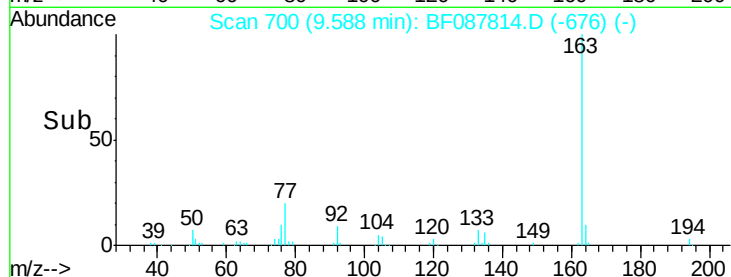
164 10.2 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF087814.D

Acq: 8 Jun 2016 17:21

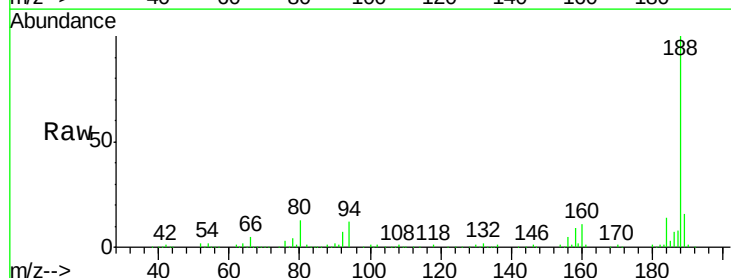
Tgt Ion:188 Resp: 293875

Ion Ratio Lower Upper

188 100

94 12.3 9.0 13.6

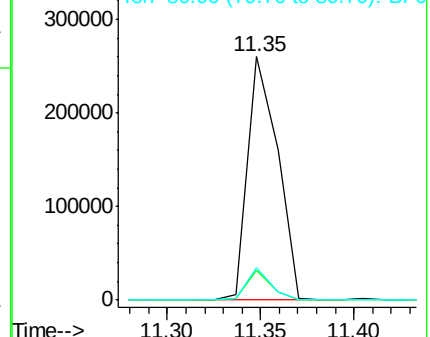
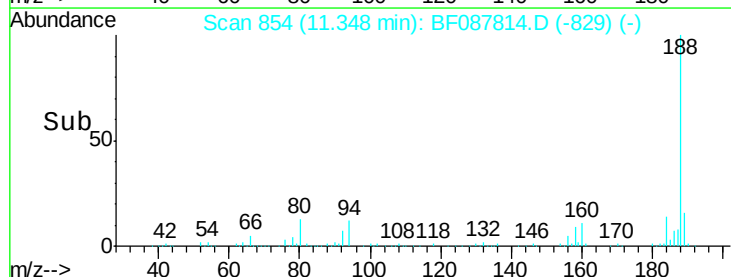
80 13.4 10.0 15.0

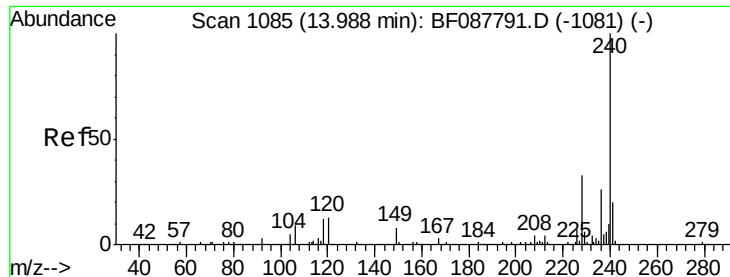


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BF087814.D

Acq: 8 Jun 2016 17:21

Instrument :

BNA\_F

ClientSampled :

SS-23

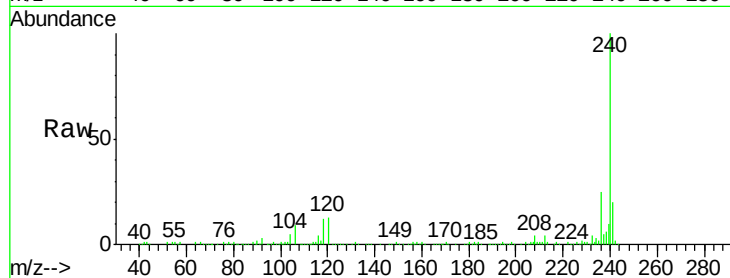
Tot Ion:240 Resp: 210772

Ion Ratio Lower Upper

240 100

120 13.3 6.8 10.2#

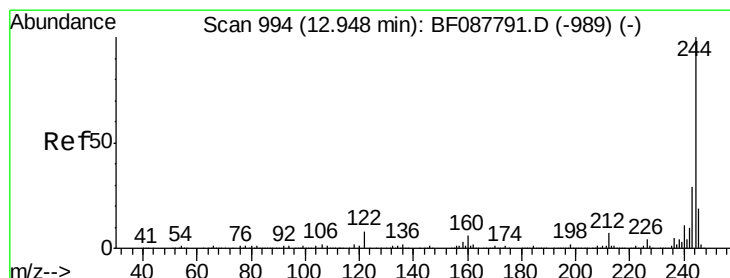
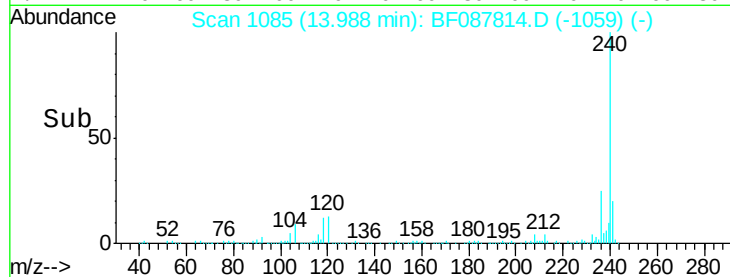
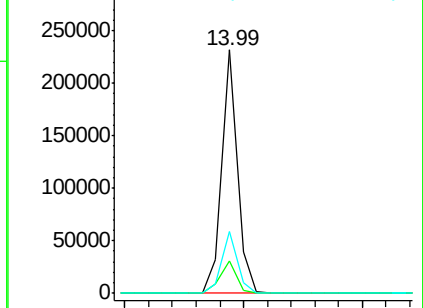
236 25.5 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 25.56 ng

RT: 12.94 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF087814.D

Acq: 8 Jun 2016 17:21

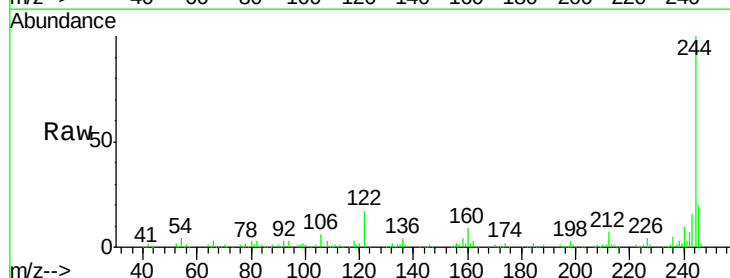
Tgt Ion:244 Resp: 236722

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

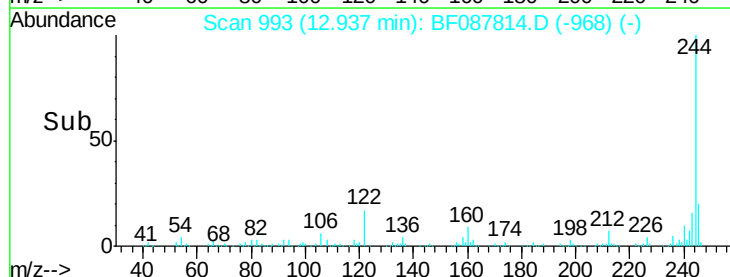
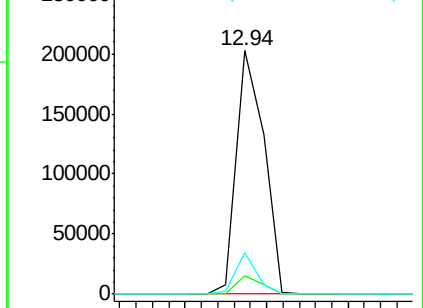
122 17.0 11.2 16.8#



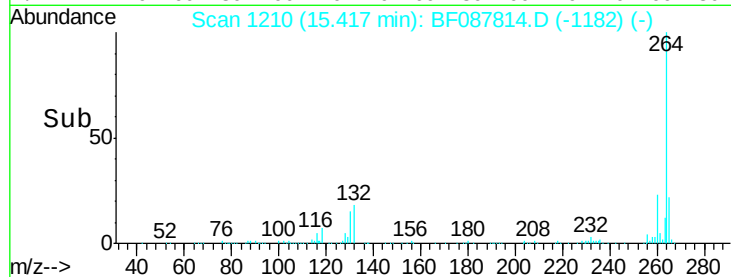
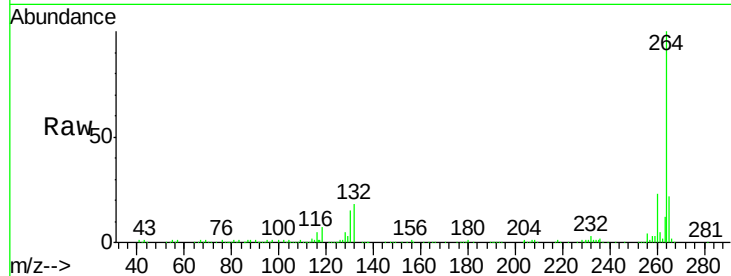
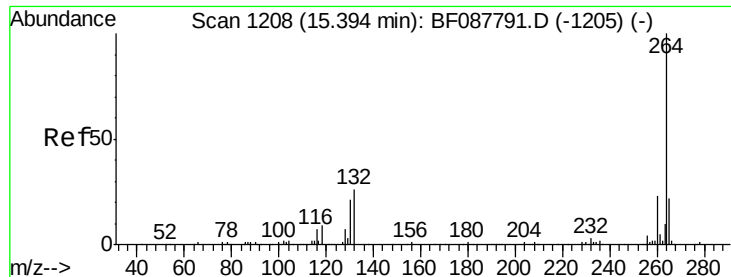
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.42 min Scan# 1210  
 Delta R.T. 0.02 min  
 Lab File: BF087814.D  
 Acq: 8 Jun 2016 17:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-23

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.2  | 28.8  |
| 265     | 21.8  | 16.9  | 25.3  |

