

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061515\  
 Data File : BF079984.D  
 Acq On : 15 Jun 2015 17:16  
 Operator : TP/IZ  
 Sample : G2639-08  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-LF2MW4

Quant Time: Jun 16 01:09:42 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 15 15:44:31 2015  
 Response via : Initial Calibration

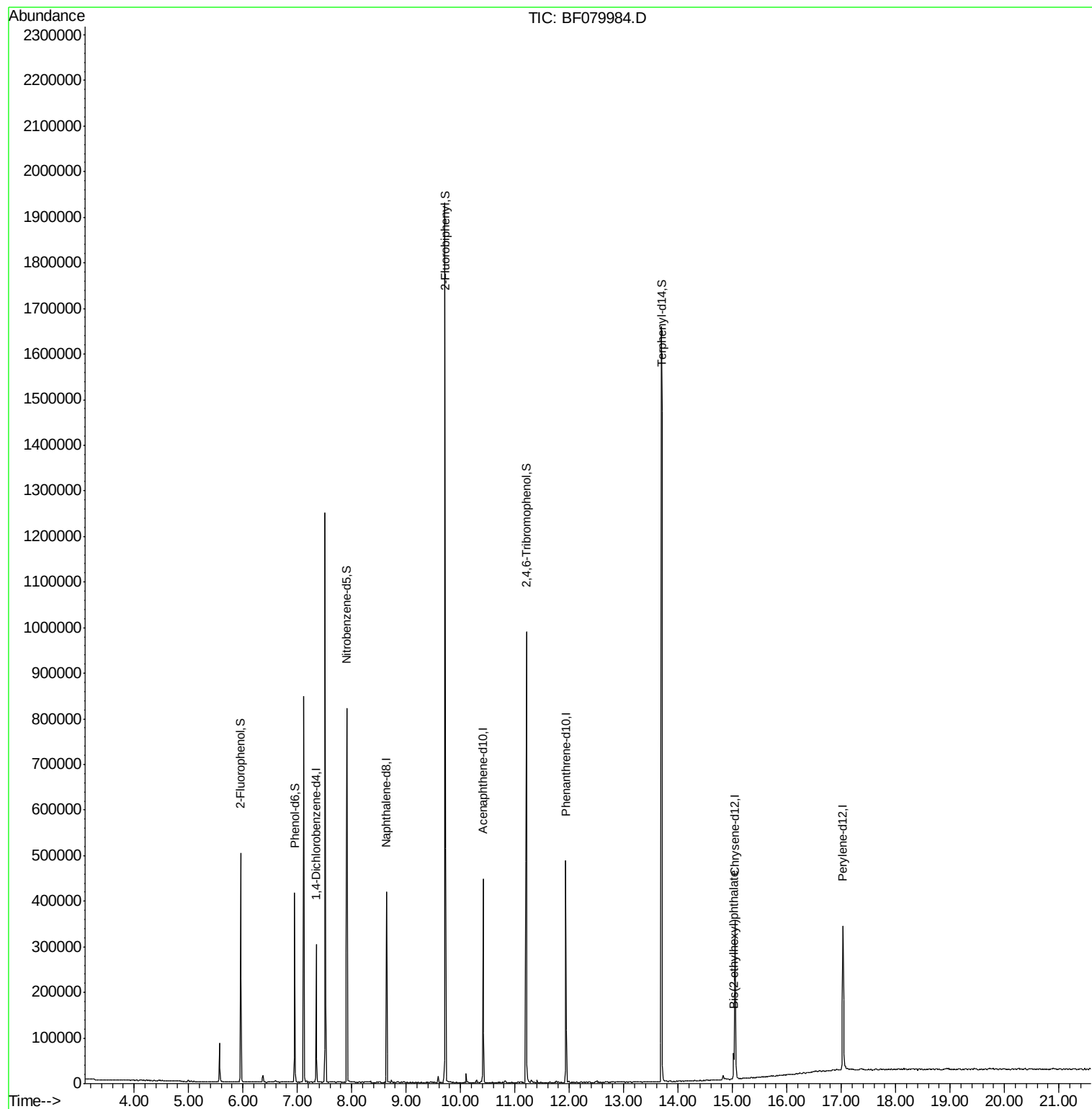
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.35  | 152  | 42743    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.64  | 136  | 170114   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.41 | 164  | 87646    | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.93 | 188  | 179194   | 20.00     | ng    | 0.01     |
| 75) Chrysene-d12               | 15.04 | 240  | 187966   | 20.00     | ng    | 0.14     |
| 86) Perylene-d12               | 17.03 | 264  | 182273   | 20.00     | ng    | 0.23     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.96  | 112  | 147697   | 63.36     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.95  | 99   | 127468   | 40.14     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.91  | 82   | 267239   | 103.65    | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.21 | 330  | 134089   | 151.39    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.72  | 172  | 596269   | 95.26     | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.70 | 244  | 805505   | 98.80     | ng    | 0.08     |
| Target Compounds               |       |      |          |           |       |          |
| 82) Chrysene                   | 15.08 | 228  | 547      | Below Cal | #     | 49       |
| 83) Bis(2-ethylhexyl)phthalate | 15.02 | 149  | 18375    | 2.88 ng   | #     | 96       |

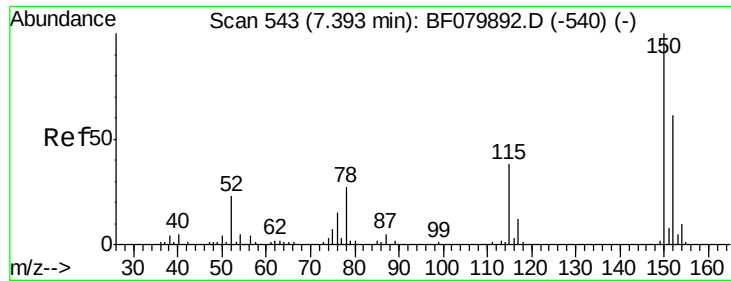
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061515\  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SP15-LF2MW4

Quant Time: Jun 16 01:09:42 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 15 15:44:31 2015  
Response via : Initial Calibration



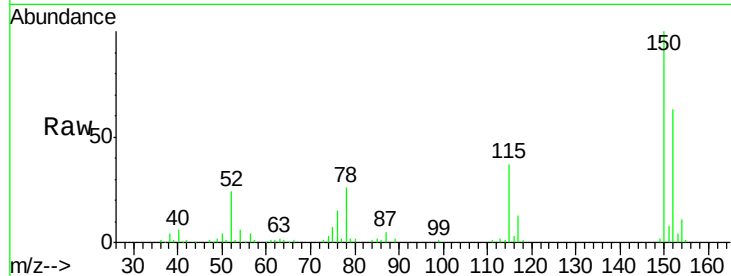


#1

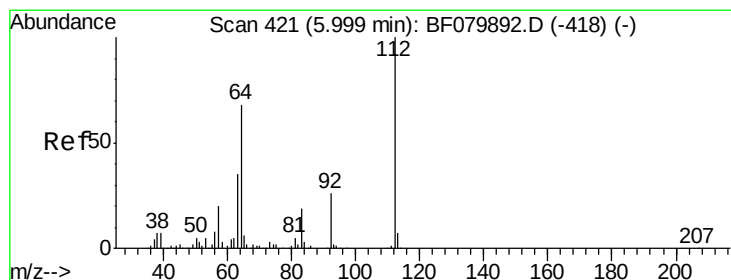
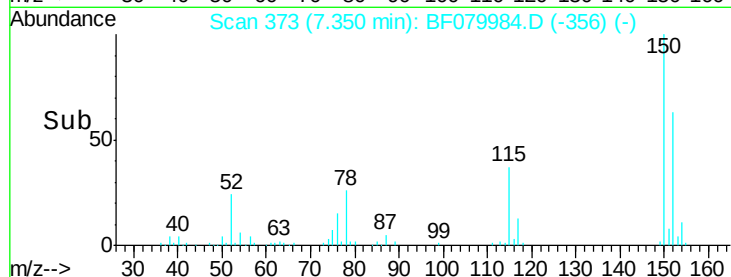
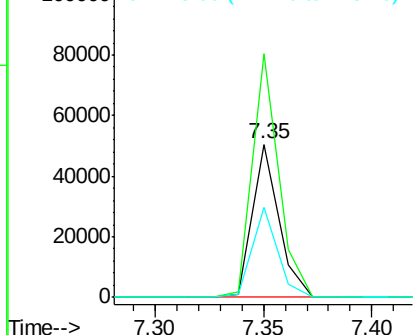
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.35 min Scan# 373  
Delta R.T. -0.00 min  
Lab File: BF079984.D  
Acq: 15 Jun 2015 17:16

Instrument :  
BNA\_F  
ClientSampleId :  
SP15-LF2MW4

Tgt Ion:152 Resp: 42743  
Ion Ratio Lower Upper  
152 100  
150 159.0 131.0 196.4  
115 59.0 49.8 74.6



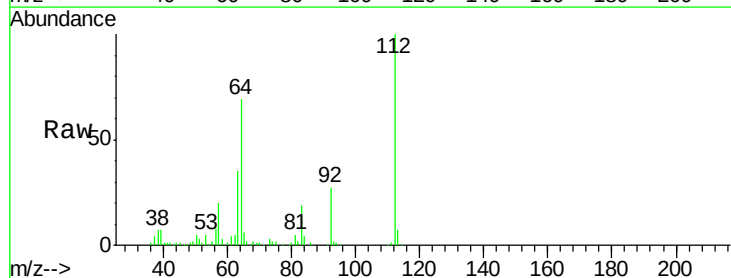
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



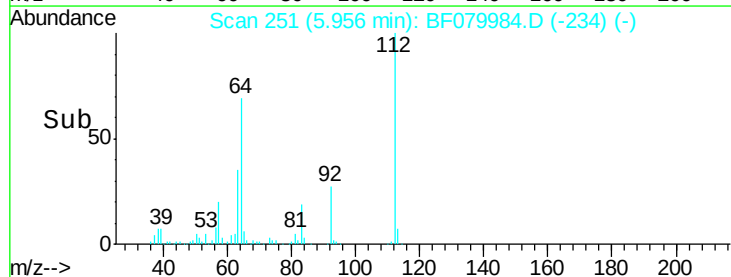
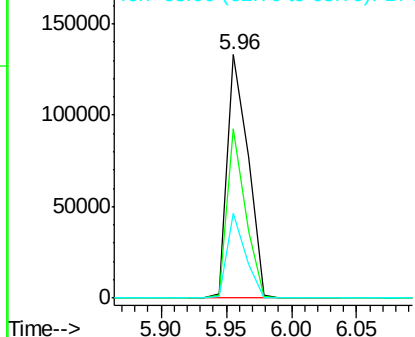
#5

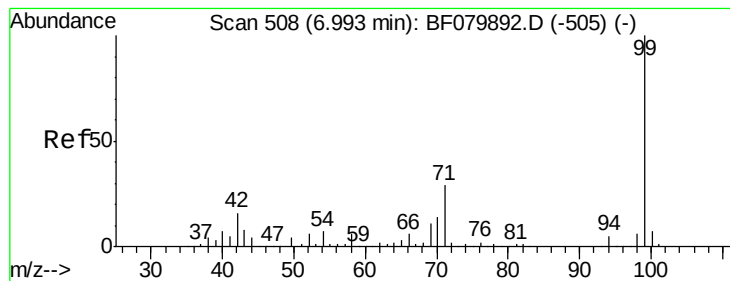
2-Fluorophenol  
Concen: 63.36 ng  
RT: 5.96 min Scan# 251  
Delta R.T. -0.00 min  
Lab File: BF079984.D  
Acq: 15 Jun 2015 17:16

Tgt Ion:112 Resp: 147697  
Ion Ratio Lower Upper  
112 100  
64 69.4 54.5 81.7  
63 34.8 27.9 41.9



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: 40.14 ng

RT: 6.95 min Scan# 338

Delta R.T. -0.00 min

Lab File: BF079984.D

Acq: 15 Jun 2015 17:16

Instrument :

BNA\_F

ClientSampleId :

SP15-LF2MW4

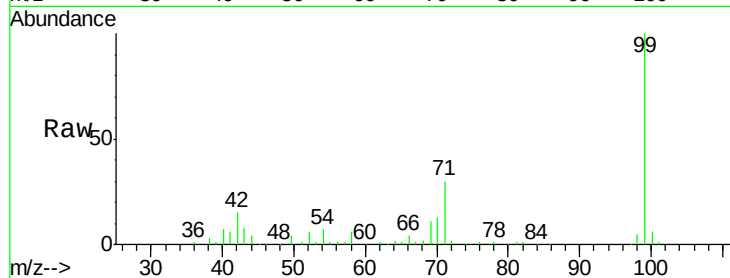
Tgt Ion: 99 Resp: 127468

Ion Ratio Lower Upper

99 100

42 15.5 12.9 19.3

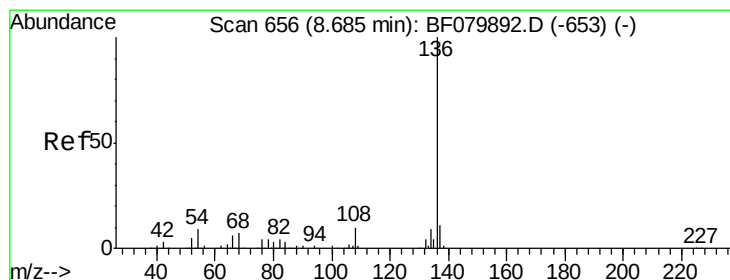
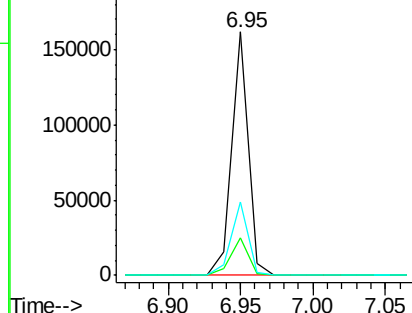
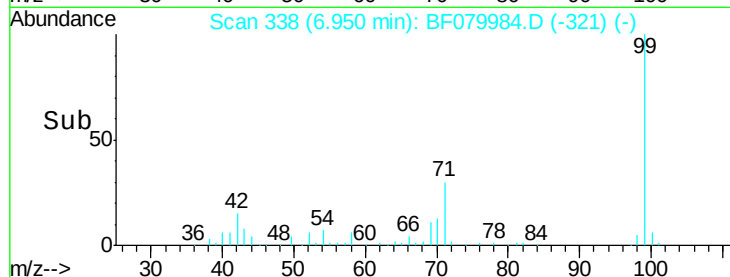
71 30.1 23.4 35.2



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: 8.64 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF079984.D

Acq: 15 Jun 2015 17:16

Tgt Ion: 136 Resp: 170114

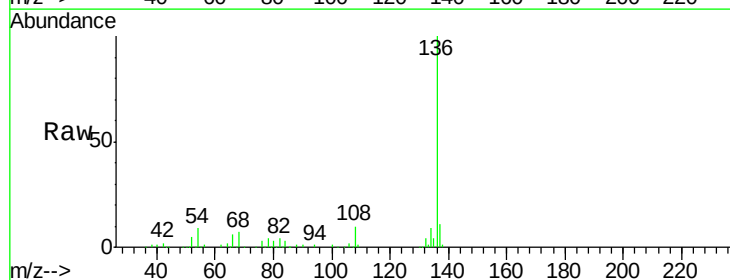
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 8.9 7.3 10.9

68 7.2 5.9 8.9

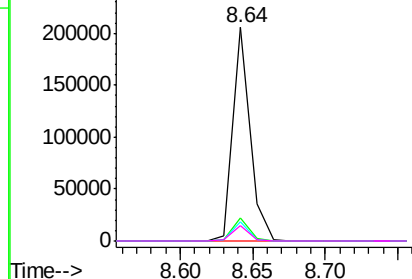
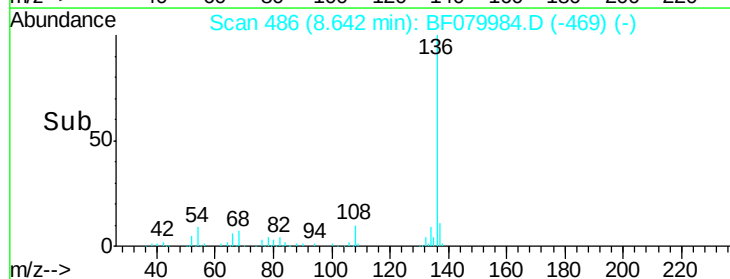


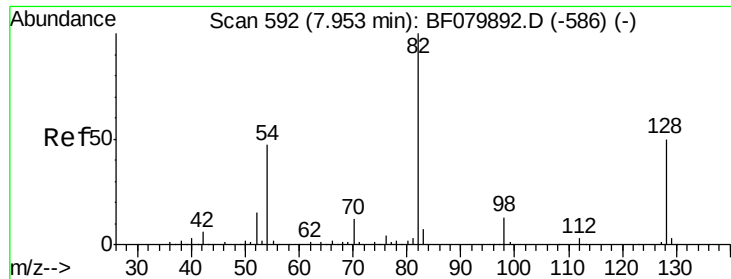
Abundance Ion 136.00 (135.70 to 136.70): E

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

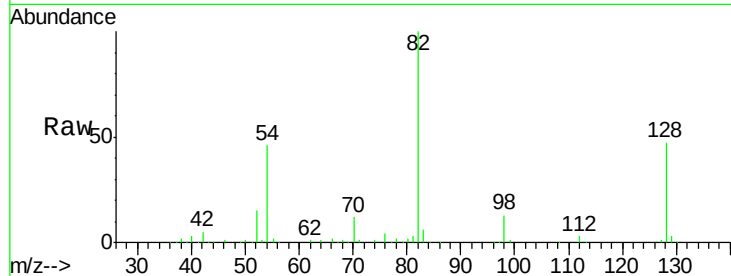




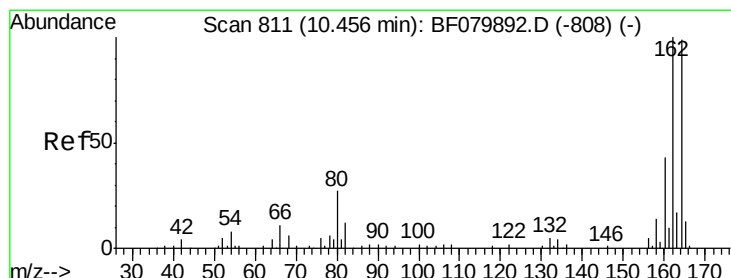
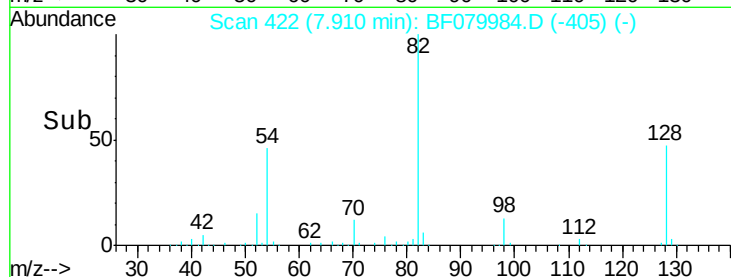
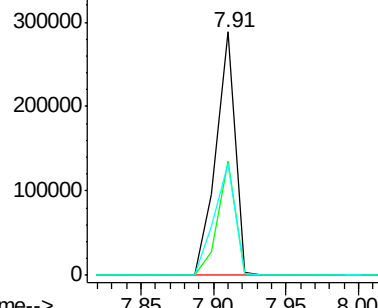
#23  
 Nitrobenzene-d5  
 Concen: 103.65 ng  
 RT: 7.91 min Scan# 422  
 Delta R.T. -0.00 min  
 Lab File: BF079984.D  
 Acq: 15 Jun 2015 17:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-LF2MW4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.1  | 40.3  | 60.5  |
| 54      | 45.7  | 38.0  | 57.0  |

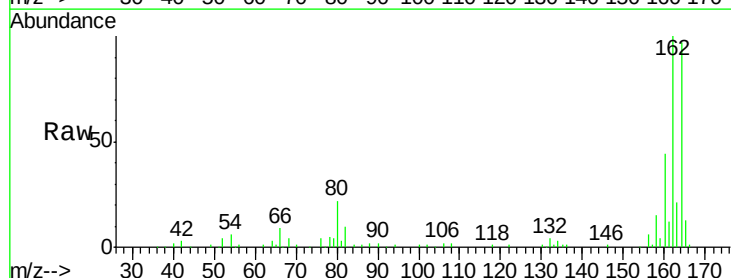


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

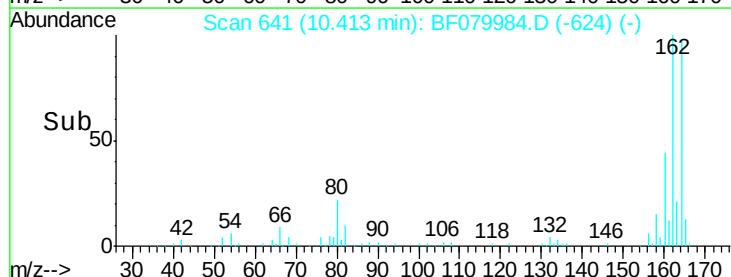
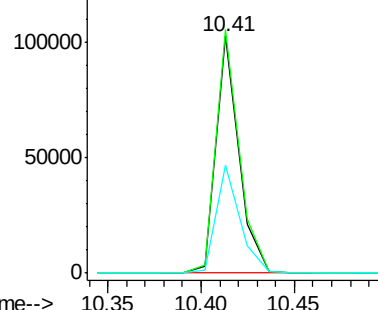


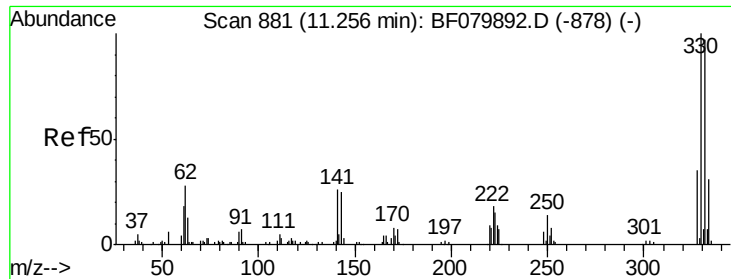
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.41 min Scan# 641  
 Delta R.T. -0.00 min  
 Lab File: BF079984.D  
 Acq: 15 Jun 2015 17:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.7 | 80.7  | 121.1 |
| 160     | 45.7  | 34.6  | 51.8  |



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

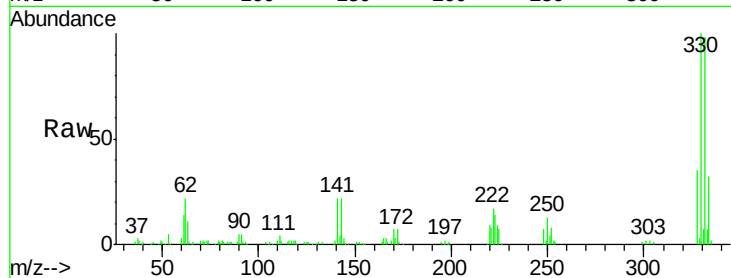




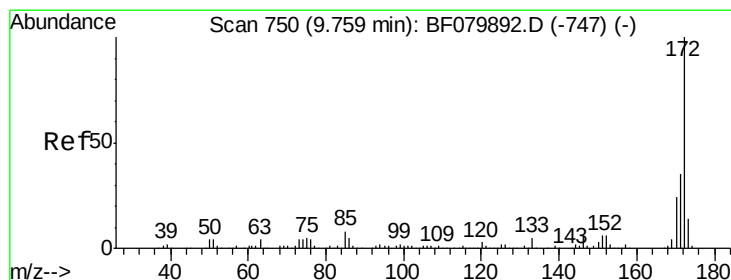
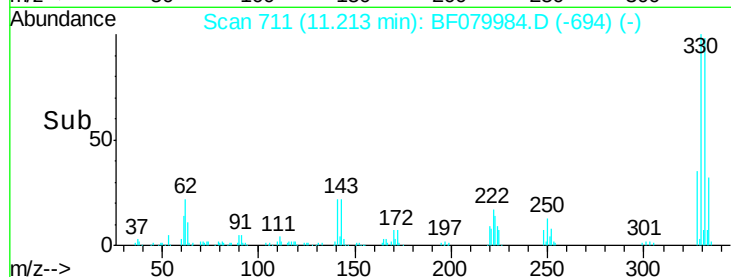
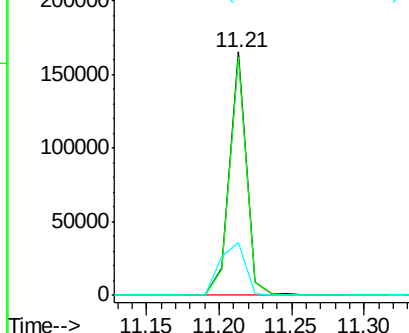
#41  
 2,4,6-Tribromophenol  
 Concen: 151.39 ng  
 RT: 11.21 min Scan# 711  
 Delta R.T. -0.00 min  
 Lab File: BF079984.D  
 Acq: 15 Jun 2015 17:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-LF2MW4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.2  | 77.3  | 115.9 |
| 141     | 32.6  | 26.8  | 40.2  |

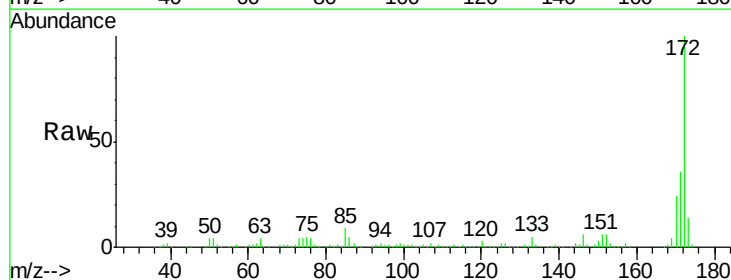


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

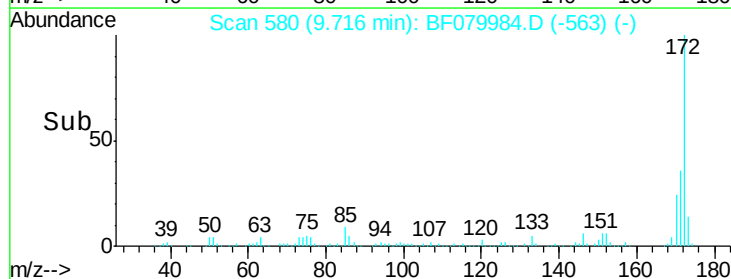
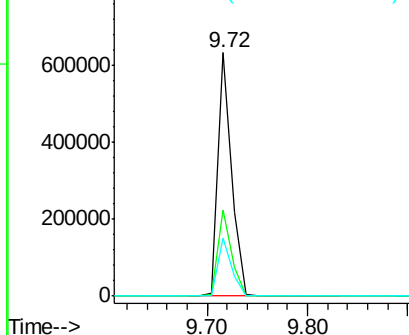


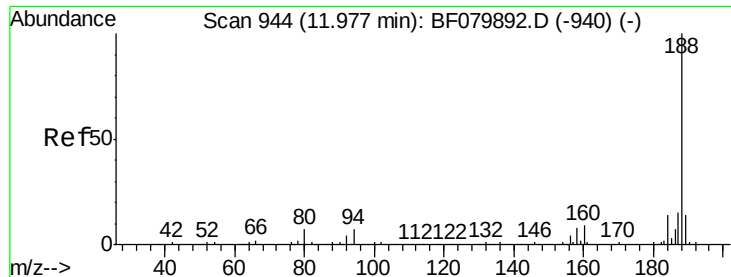
#44  
 2-Fluorobiphenyl  
 Concen: 95.26 ng  
 RT: 9.72 min Scan# 580  
 Delta R.T. -0.00 min  
 Lab File: BF079984.D  
 Acq: 15 Jun 2015 17:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 28.3  | 42.5  |
| 170     | 23.8  | 19.0  | 28.4  |



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

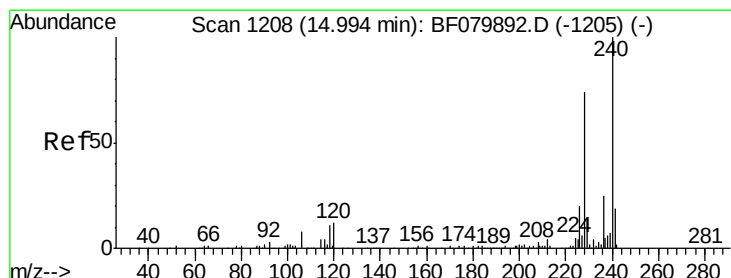
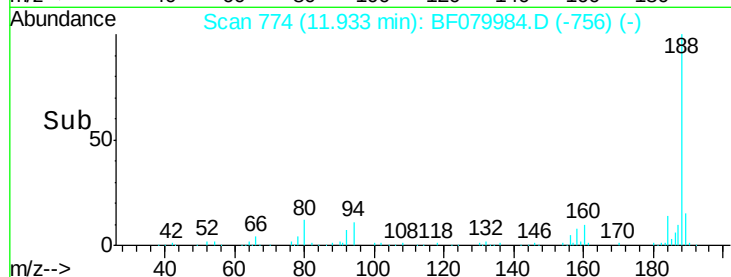
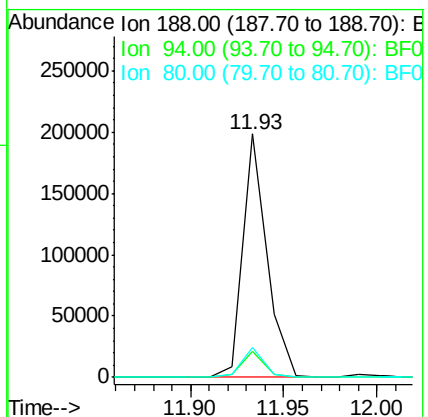
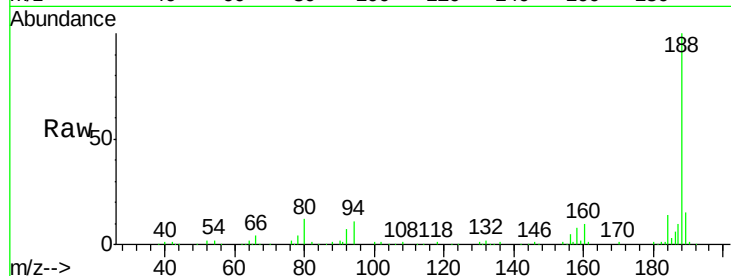




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.93 min Scan# 774  
Delta R.T. 0.01 min  
Lab File: BF079984.D  
Acq: 15 Jun 2015 17:16

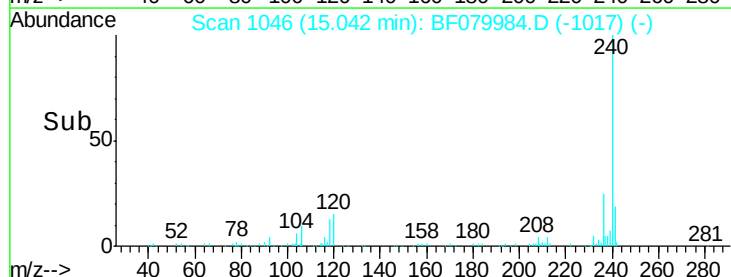
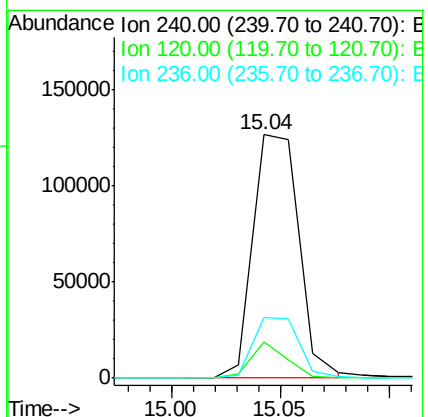
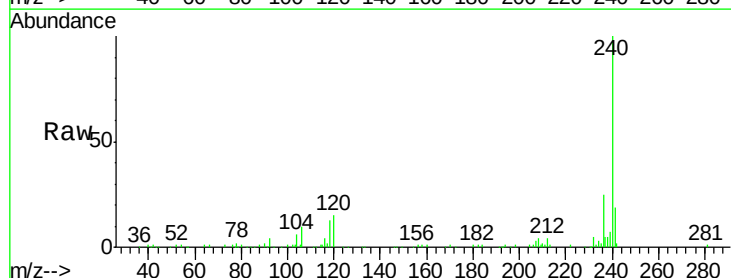
Instrument :  
BNA\_F  
ClientSampleId :  
SP15-LF2MW4

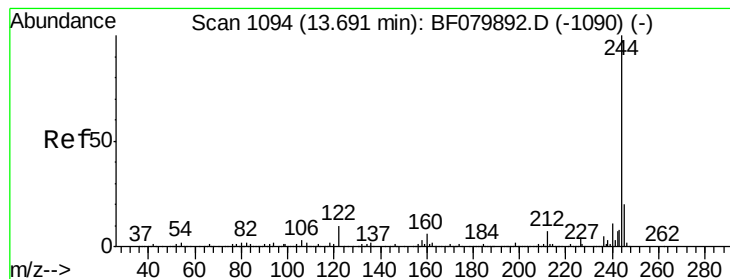
Tgt Ion:188 Resp: 179194  
Ion Ratio Lower Upper  
188 100  
94 10.5 5.8 8.8#  
80 12.3 5.9 8.9#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.04 min Scan# 1046  
Delta R.T. 0.14 min  
Lab File: BF079984.D  
Acq: 15 Jun 2015 17:16

Tgt Ion:240 Resp: 187966  
Ion Ratio Lower Upper  
240 100  
120 15.0 9.4 14.2#  
236 25.0 19.6 29.4





#78

Terphenyl-d14

Concen: 98.80 ng

RT: 13.70 min Scan# 929

Delta R.T. 0.08 min

Lab File: BF079984.D

Acq: 15 Jun 2015 17:16

Instrument :

BNA\_F

ClientSampleId :

SP15-LF2MW4

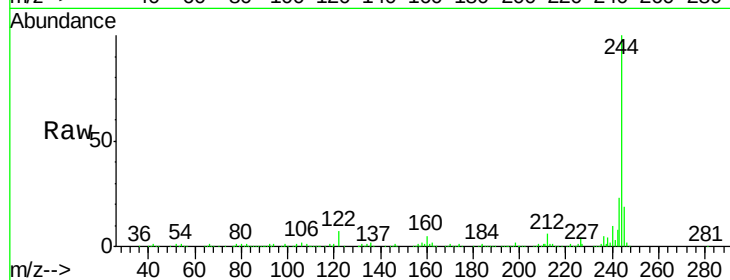
Tgt Ion:244 Resp: 805505

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.2

122 6.8 7.8 11.8#



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

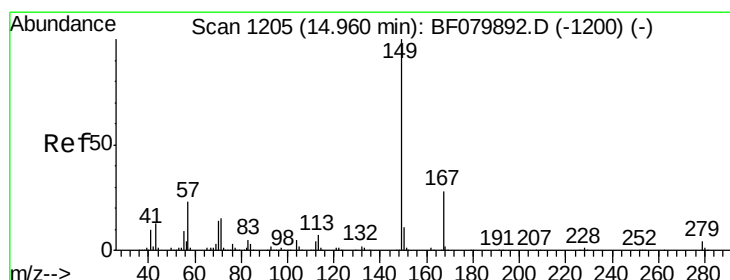
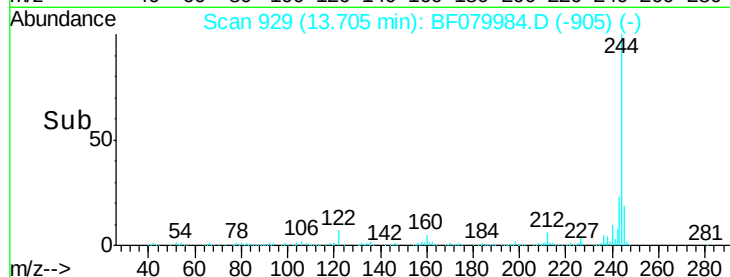
13.70

400000

200000

0

Time--> 13.60 13.80



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.88 ng

RT: 15.02 min Scan# 1044

Delta R.T. 0.15 min

Lab File: BF079984.D

Acq: 15 Jun 2015 17:16

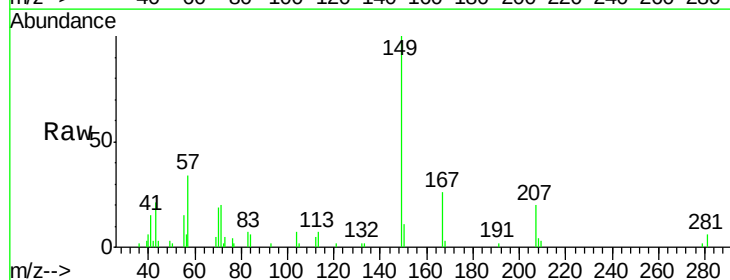
Tgt Ion:149 Resp: 18375

Ion Ratio Lower Upper

149 100

167 26.0 22.2 33.4

279 2.3 3.1 4.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

15.02

20000

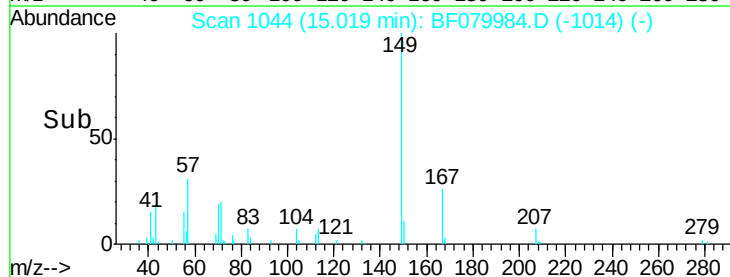
15000

10000

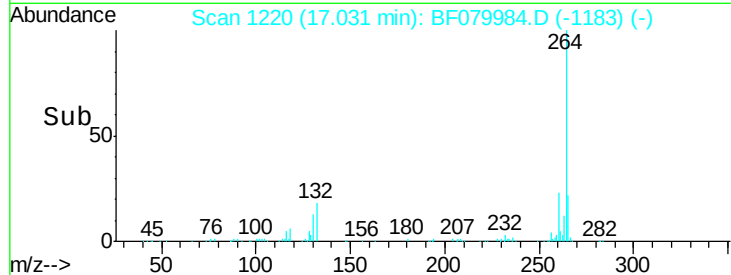
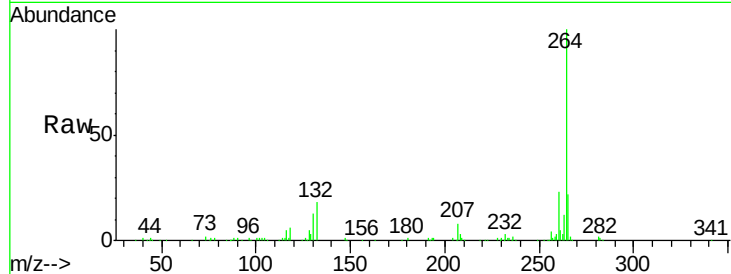
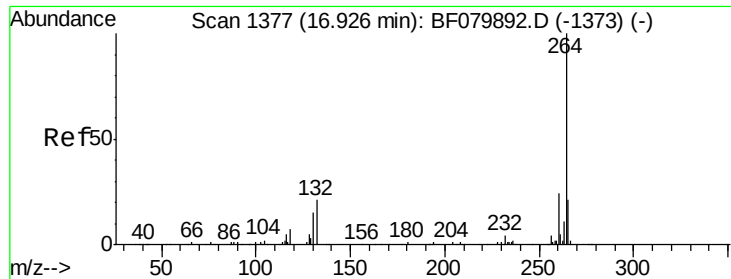
5000

0

Time--> 14.95 15.00 15.05







#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.03 min Scan# 1220  
Delta R.T. 0.23 min  
Lab File: BF079984.D  
Acq: 15 Jun 2015 17:16

Instrument :  
BNA\_F  
ClientSampleId :  
SP15-LF2MW4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.3  | 28.9  |
| 265     | 21.7  | 17.0  | 25.6  |

