

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031618\  
 Data File : BF103733.D  
 Acq On : 17 Mar 2018 10:18  
 Operator : JU/SJ  
 Sample : J1929-12  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-PIT-3

Quant Time: Mar 19 08:24:03 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 15 18:31:53 2018  
 Response via : Initial Calibration

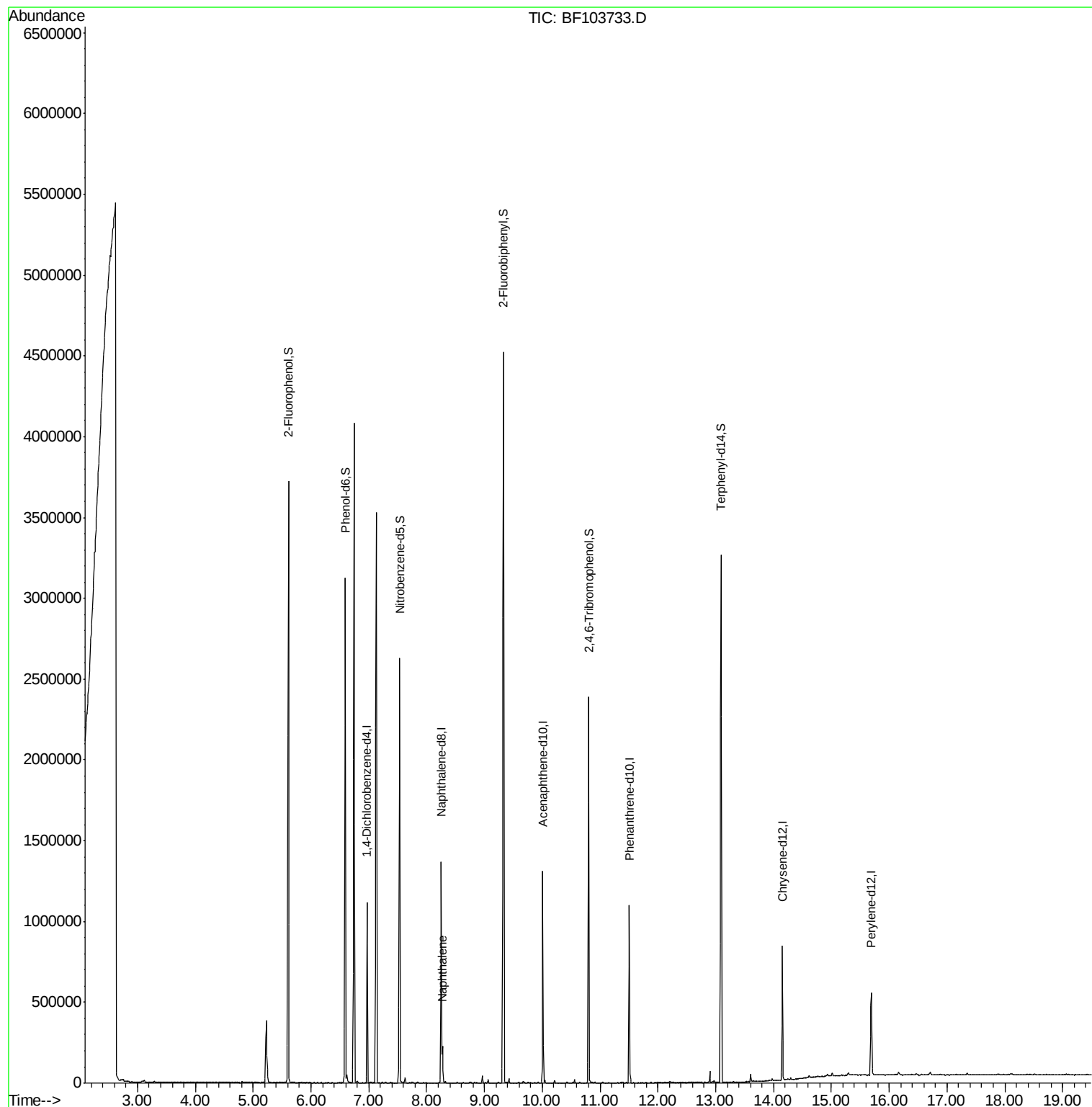
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 154363   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.25  | 136  | 600739   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 10.01 | 164  | 243952   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.50 | 188  | 350689   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 14.16 | 240  | 286931   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 15.69 | 264  | 225761   | 20.00  | ng    | 0.01      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.61  | 112  | 1213949  | 119.61 | ng    | 0.03      |
| 7) Phenol-d6                | 6.59  | 99   | 1359536  | 109.50 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 992180   | 115.18 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 286269   | 136.48 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1550271  | 101.37 | ng    | 0.00      |
| 78) Terphenyl-d14           | 13.09 | 244  | 1124580  | 90.97  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 8.27  | 128  | 92591    | 3.051  | ng    | Qvalue 98 |

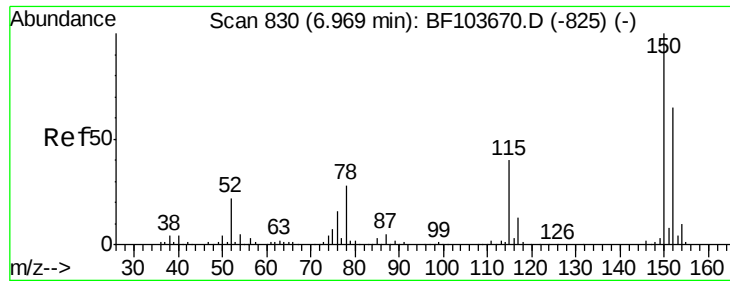
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031618\  
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ALS Vial : 34 Sample Multiplier: 1

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BNA\_F  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 15 18:31:53 2018  
Response via : Initial Calibration



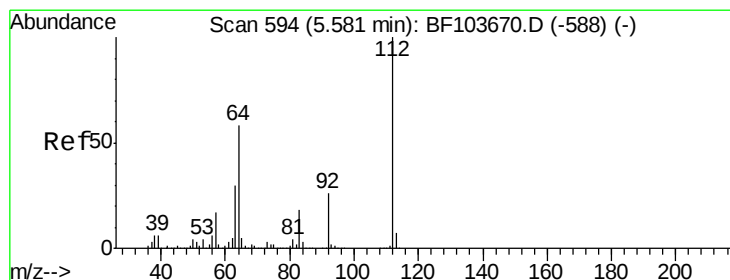
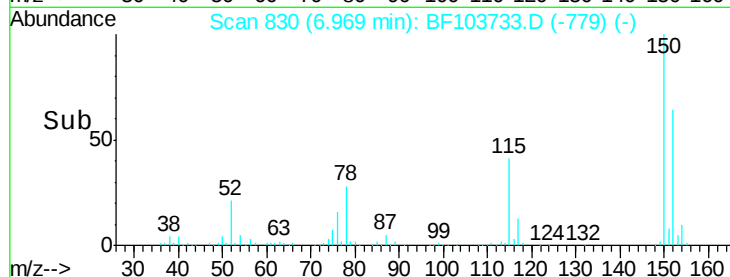
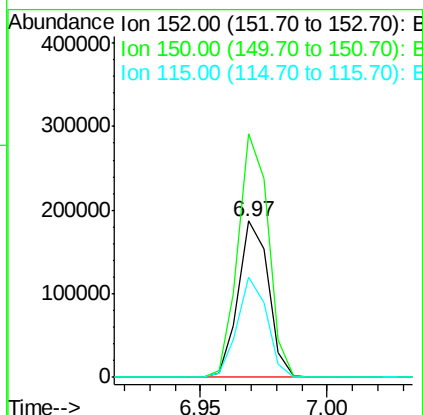
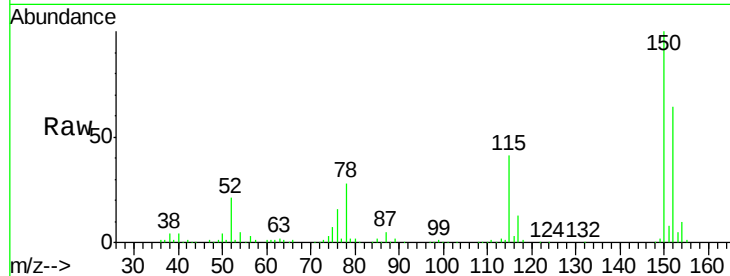


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.00 min  
Lab File: BF103733.D  
Acq: 17 Mar 2018 10:18

Instrument :  
BNA\_F  
ClientSampleId :  
LS-PIT-3

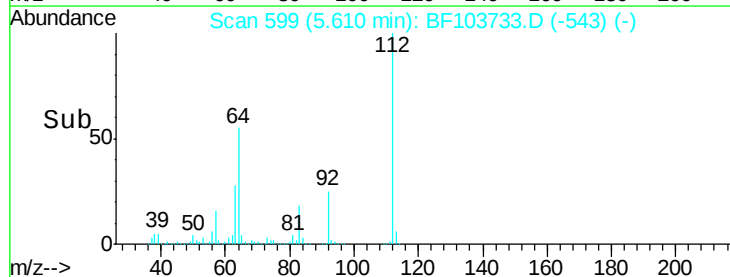
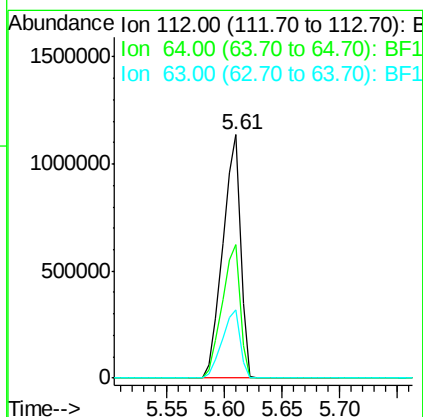
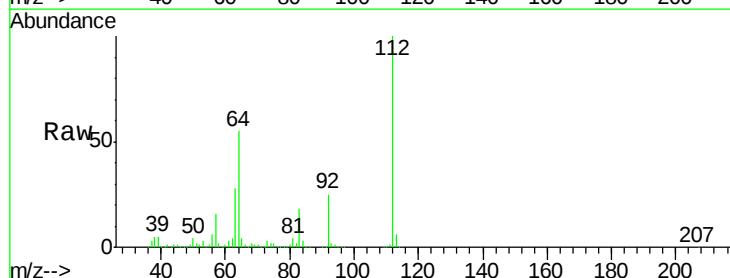
Tot Ion:152 Resp: 154363  
Ion Ratio Lower Upper  
152 100  
150 155.9 124.6 186.8  
115 64.4 50.1 75.1

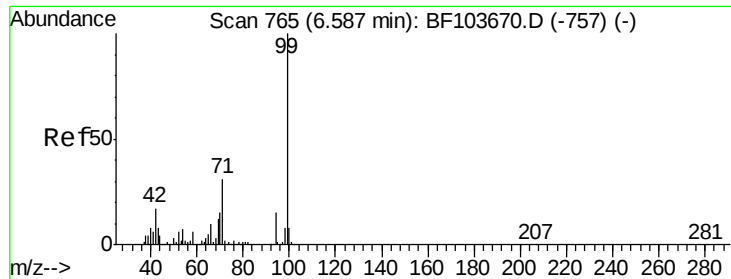


#5

2-Fluorophenol  
Concen: 119.615 ng  
RT: 5.61 min Scan# 599  
Delta R.T. 0.03 min  
Lab File: BF103733.D  
Acq: 17 Mar 2018 10:18

Tgt Ion:112 Resp: 1213949  
Ion Ratio Lower Upper  
112 100  
64 55.1 47.9 71.9  
63 28.0 23.7 35.5





#7

Phenol-d6

Concen: 109.495 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103733.D

Acq: 17 Mar 2018 10:18

Instrument :

BNA\_F

ClientSampleId :

LS-PIT-3

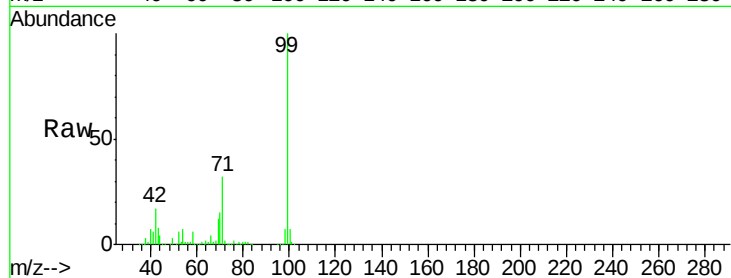
Tot Ion: 99 Resp: 1359536

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

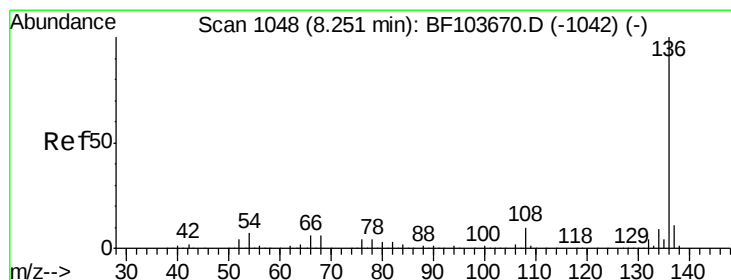
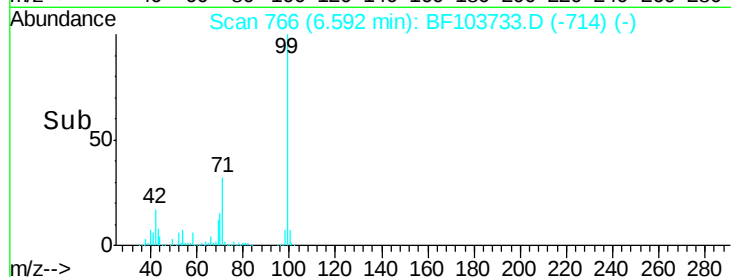
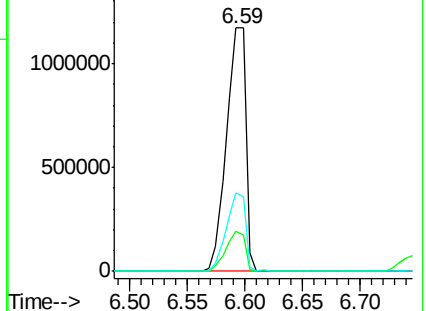
71 32.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103733.D

Acq: 17 Mar 2018 10:18

Tgt Ion: 136 Resp: 600739

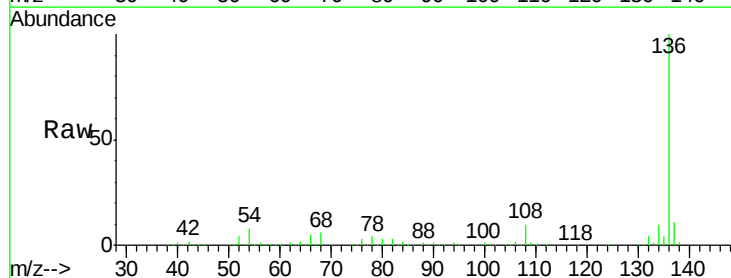
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.7 6.6 9.8

68 6.5 5.0 7.4

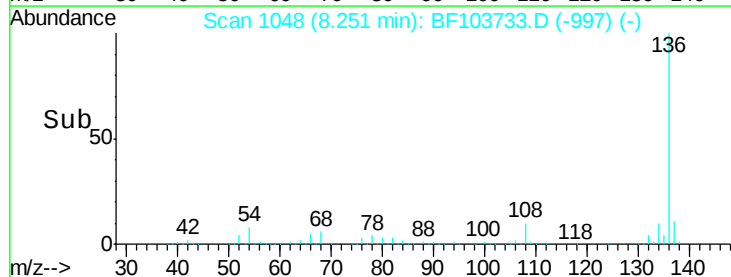
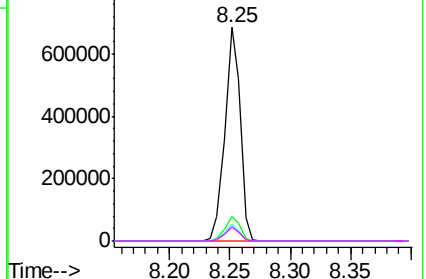


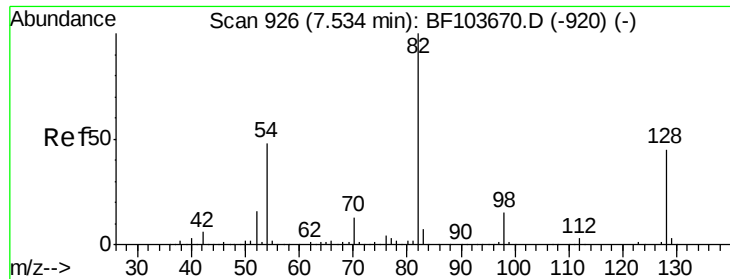
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

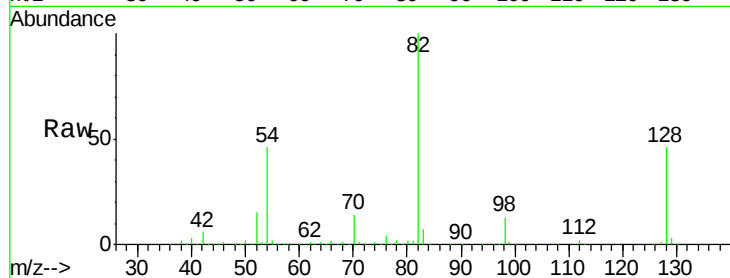




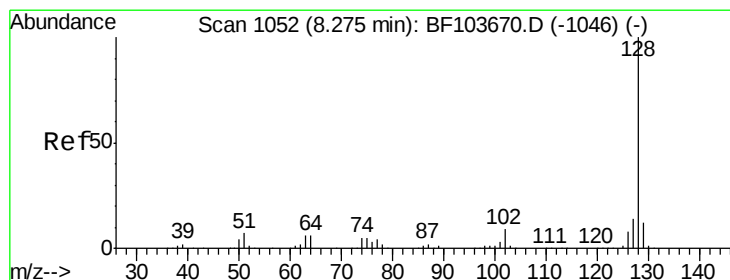
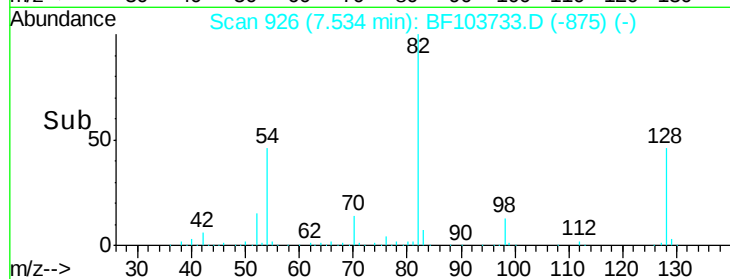
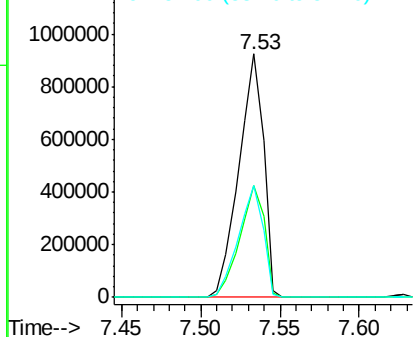
#23  
Nitrobenzene-d5  
Concen: 115.176 ng  
RT: 7.53 min Scan# 926  
Delta R.T. 0.00 min  
Lab File: BF103733.D  
Acq: 17 Mar 2018 10:18

Instrument :  
BNA\_F  
ClientSampleId :  
LS-PIT-3

Tot Ion: 82 Resp: 992180  
Ion Ratio Lower Upper  
82 100  
128 45.7 36.1 54.1  
54 45.7 41.4 62.2

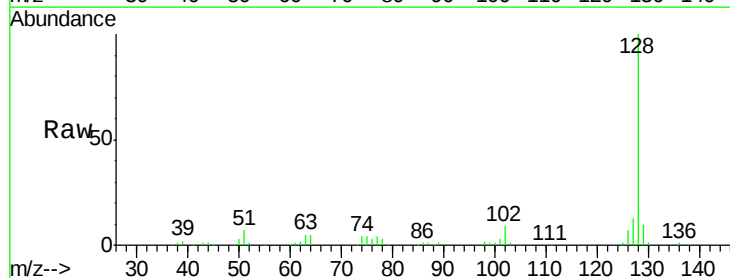


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

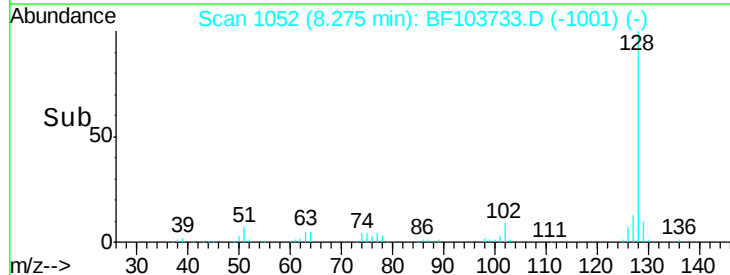
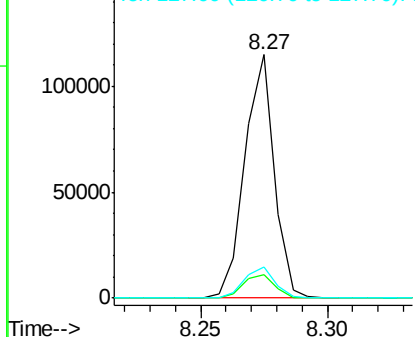


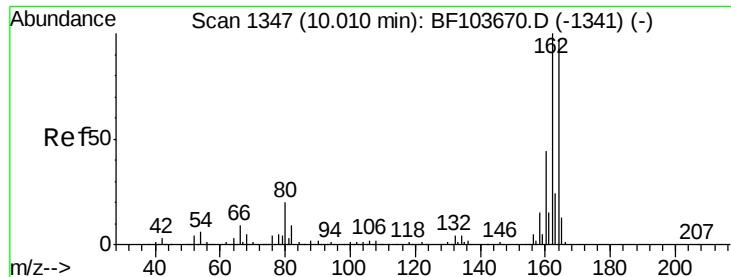
#31  
Naphthalene  
Concen: 3.051 ng  
RT: 8.27 min Scan# 1052  
Delta R.T. 0.00 min  
Lab File: BF103733.D  
Acq: 17 Mar 2018 10:18

Tgt Ion:128 Resp: 92591  
Ion Ratio Lower Upper  
128 100  
129 9.9 8.8 13.2  
127 13.0 10.9 16.3



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

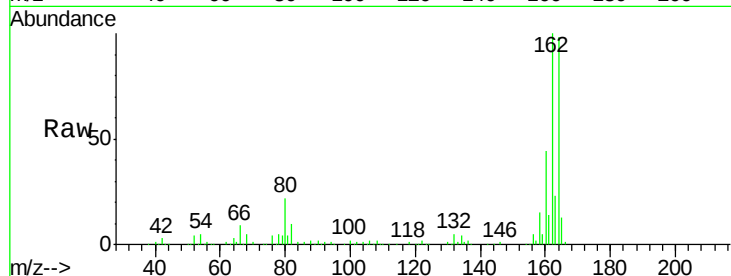




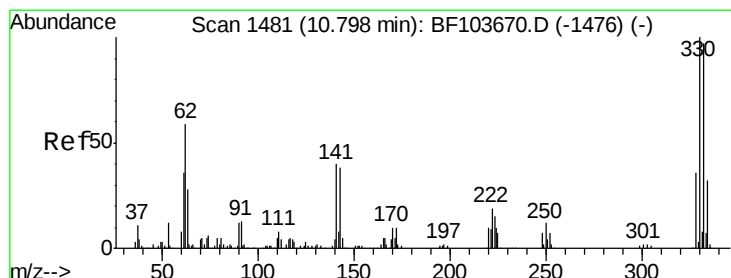
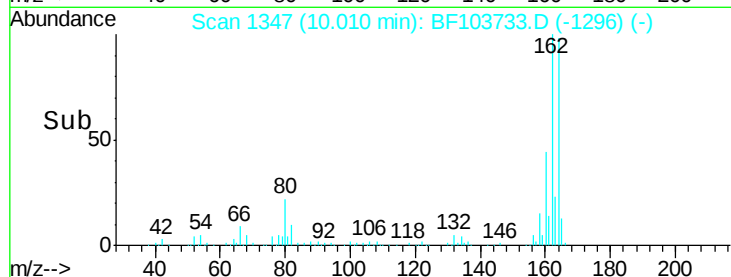
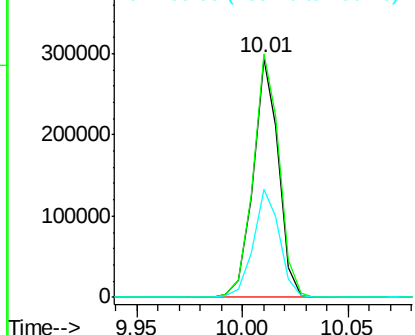
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1347  
Delta R.T. 0.00 min  
Lab File: BF103733.D  
Acq: 17 Mar 2018 10:18

Instrument :  
BNA\_F  
ClientSampleId :  
LS-PIT-3

Tot Ion:164 Resp: 243952  
Ion Ratio Lower Upper  
164 100  
162 102.0 86.1 129.1  
160 45.2 38.3 57.5

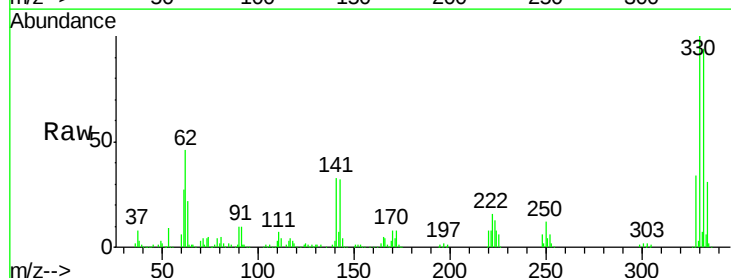


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

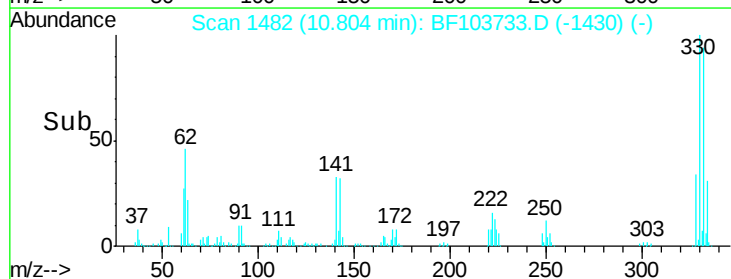
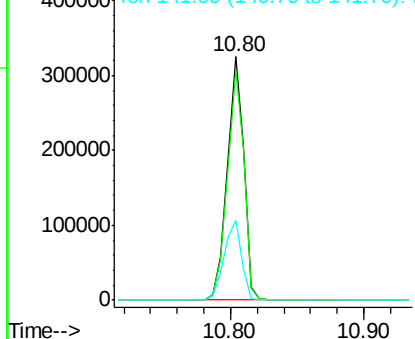


#41  
2,4,6-Tribromophenol  
Concen: 136.480 ng  
RT: 10.80 min Scan# 1482  
Delta R.T. 0.01 min  
Lab File: BF103733.D  
Acq: 17 Mar 2018 10:18

Tgt Ion:330 Resp: 286269  
Ion Ratio Lower Upper  
330 100  
332 95.3 77.0 115.6  
141 34.7 29.9 44.9



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

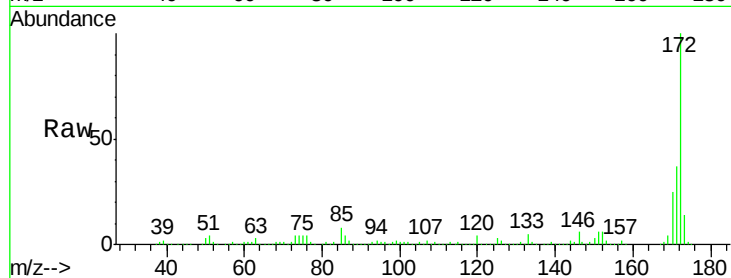




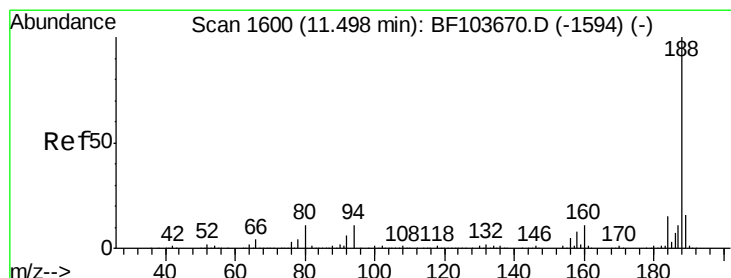
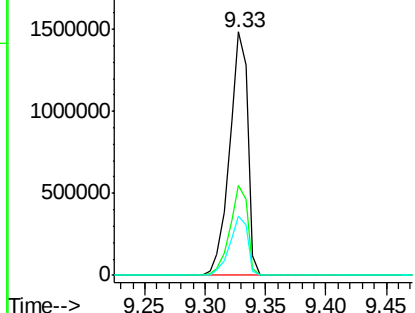
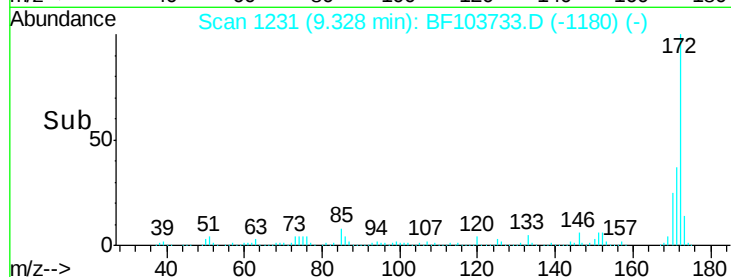
#44  
2-Fluorobiphenyl  
Concen: 101.369 ng  
RT: 9.33 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: BF103733.D  
Acq: 17 Mar 2018 10:18

Instrument :  
BNA\_F  
ClientSampleId :  
LS-PIT-3

Tot Ion:172 Resp: 1550271  
Ion Ratio Lower Upper  
172 100  
171 37.2 29.7 44.5  
170 24.5 19.6 29.4

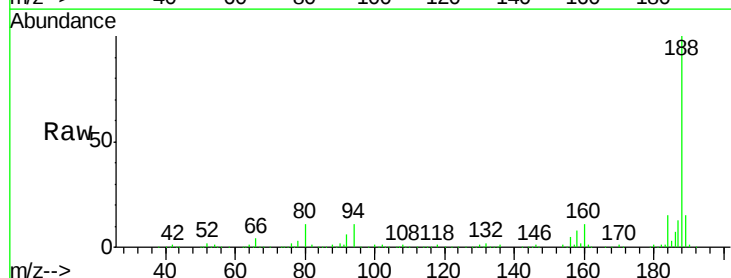


Abundance Ion 172.00 (171.70 to 172.70): E  
2000000 Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

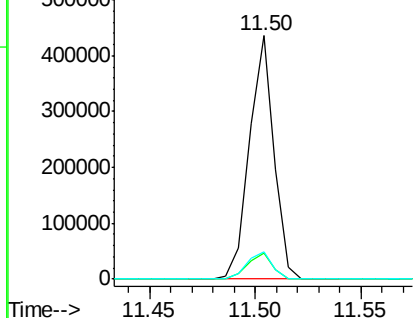
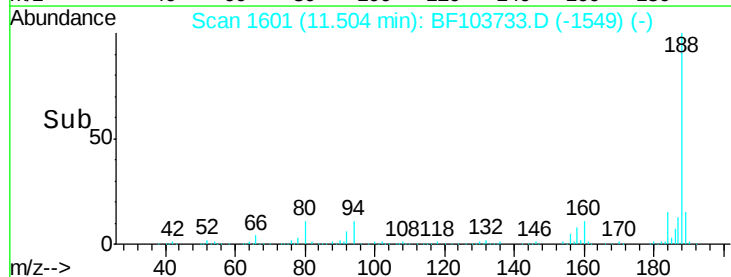


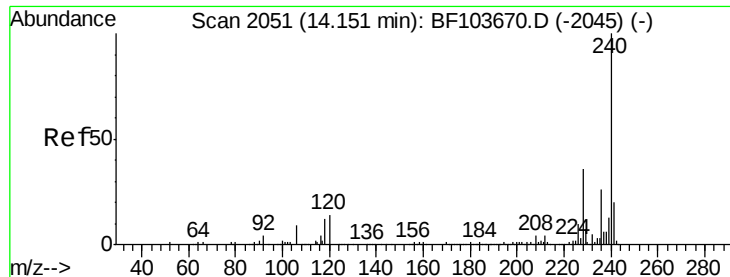
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: BF103733.D  
Acq: 17 Mar 2018 10:18

Tgt Ion:188 Resp: 350689  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.5 12.7  
80 11.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E  
600000 Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103733.D

Acq: 17 Mar 2018 10:18

Instrument :

BNA\_F

ClientSampleId :

LS-PIT-3

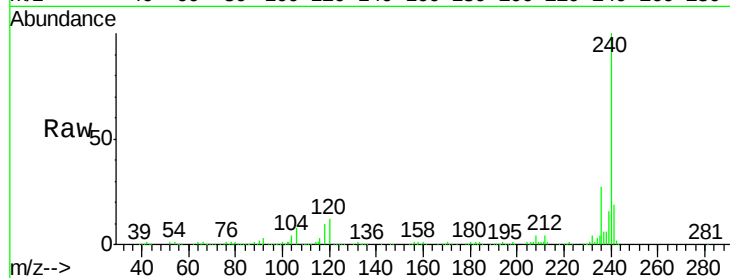
Tot Ion:240 Resp: 286931

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

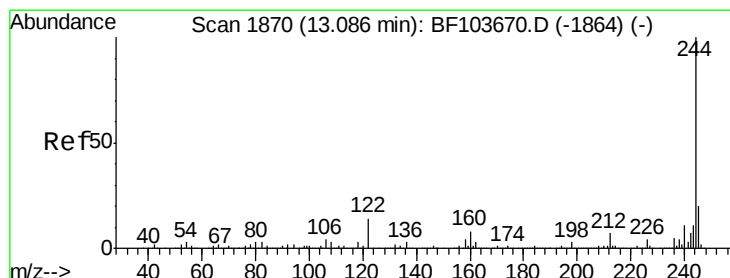
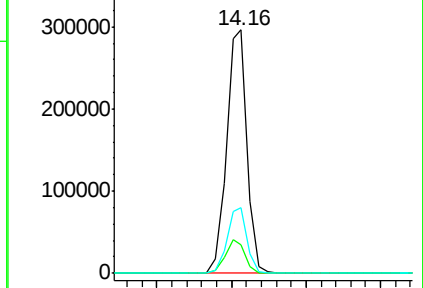
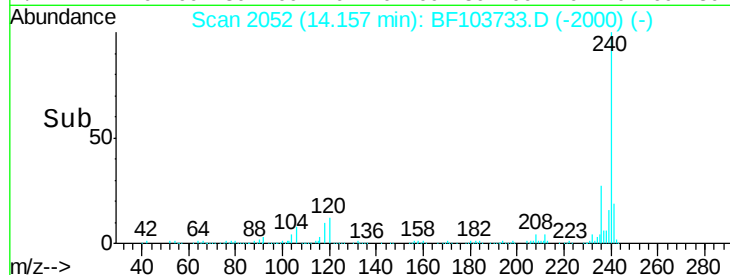
236 27.0 20.7 31.1



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: 90.974 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103733.D

Acq: 17 Mar 2018 10:18

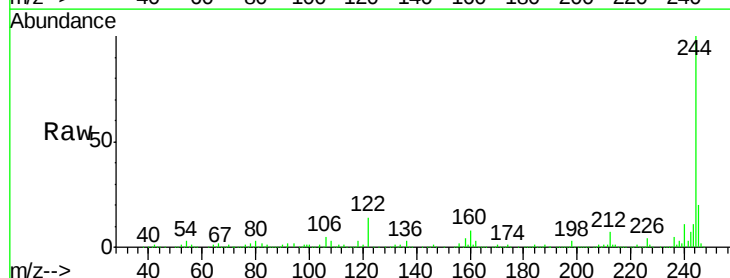
Tgt Ion:244 Resp: 1124580

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

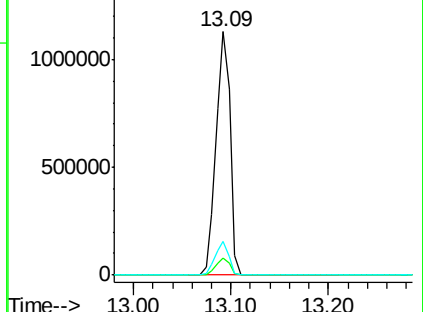
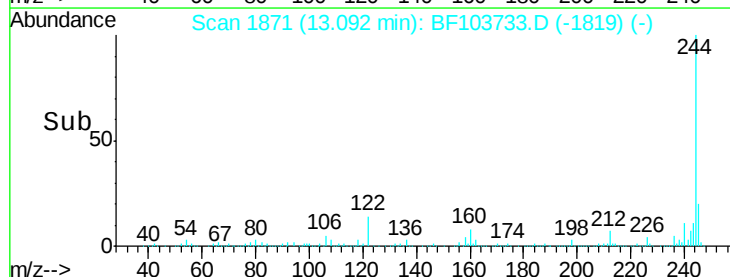
122 13.8 11.0 16.4

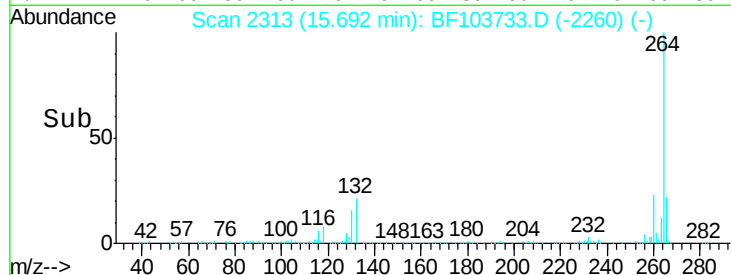
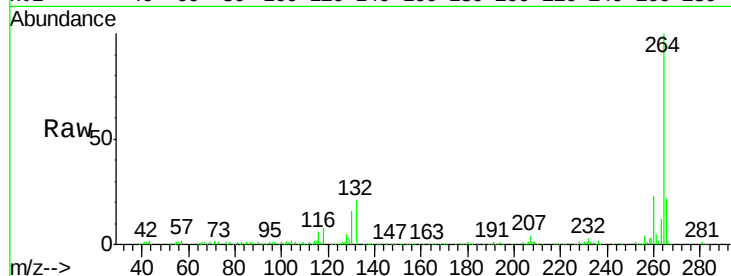
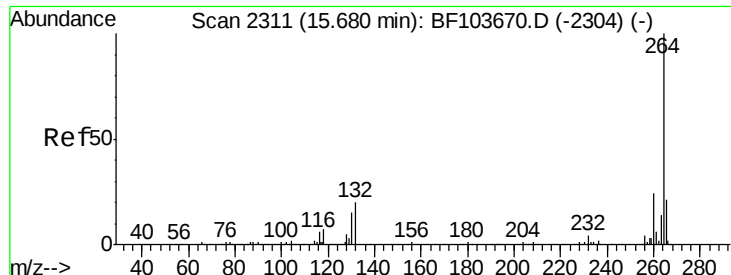


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2313  
 Delta R.T. 0.01 min  
 Lab File: BF103733.D  
 Acq: 17 Mar 2018 10:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-PIT-3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 225761 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.3  | 19.2  | 28.8   |
| 265       | 22.2  | 17.5  | 26.3   |

