

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\  
 Data File : BF104296.D  
 Acq On : 6 Apr 2018 3:09  
 Operator : JU/SJ  
 Sample : J2226-14  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 040318-JETT-E-D-M

Quant Time: Apr 06 04:33:59 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 04 18:06:58 2018  
 Response via : Initial Calibration

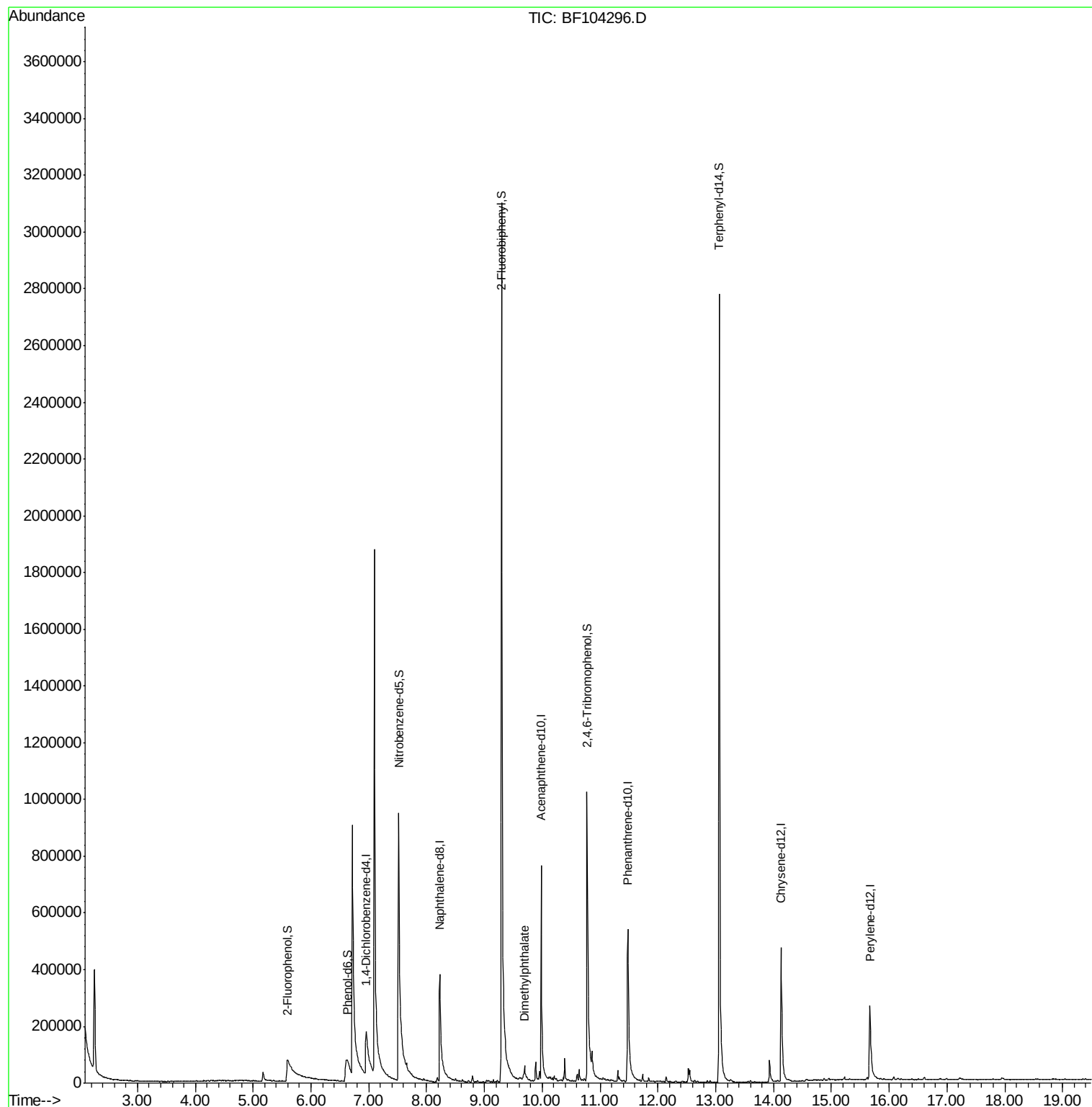
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 103257   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.23  | 136  | 499770   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.98  | 164  | 236557   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.48 | 188  | 424791   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.13 | 240  | 289919   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.67 | 264  | 228765   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 193395   | 29.87  | ng    | 0.00     |
| 7) Phenol-d6                | 6.62  | 99   | 180070   | 22.60  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 854355   | 104.55 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 258686   | 98.21  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.30  | 172  | 1634697  | 108.97 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.06 | 244  | 1351635  | 107.65 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.69  | 163  | 38643    | 2.069  | ng    | 99       |

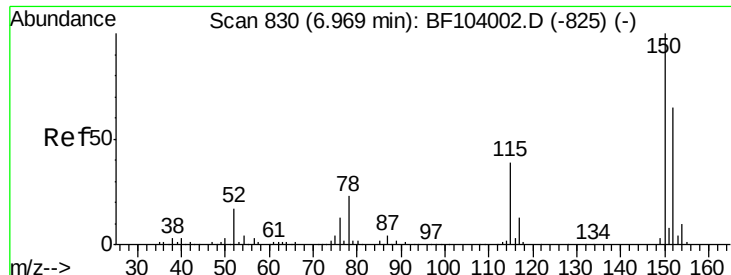
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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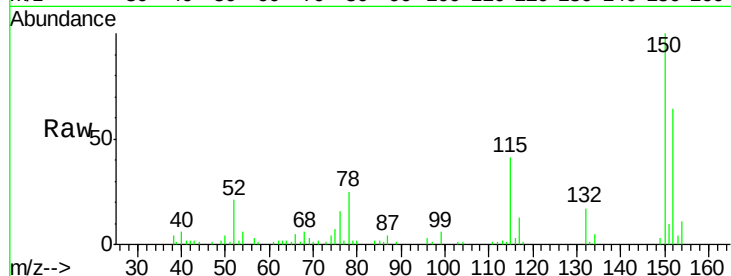


#1

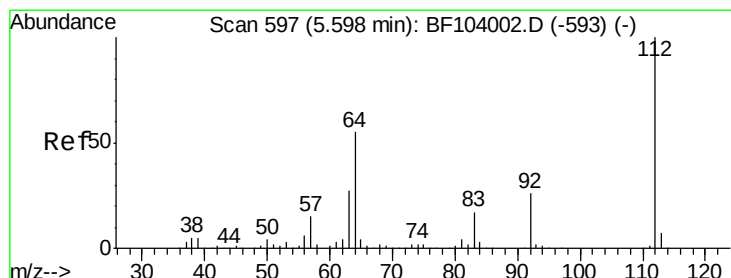
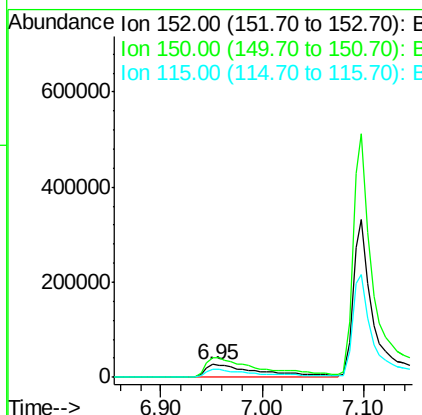
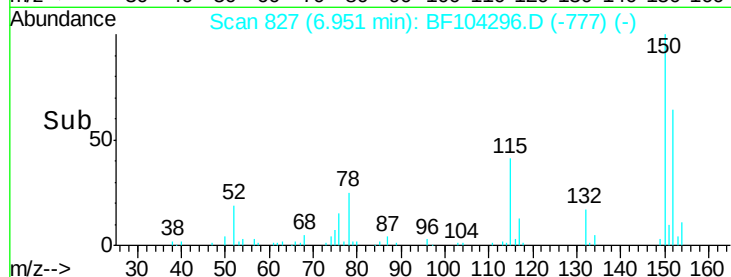
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 827  
 Delta R.T. -0.01 min  
 Lab File: BF104296.D  
 Acq: 6 Apr 2018 3:09

Instrument :  
 BNA\_F  
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 040318-JETT-E-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 124.6 | 186.8 |
| 115     | 63.4  | 50.1  | 75.1  |



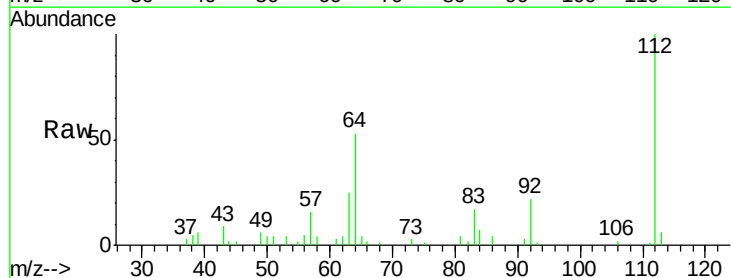
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



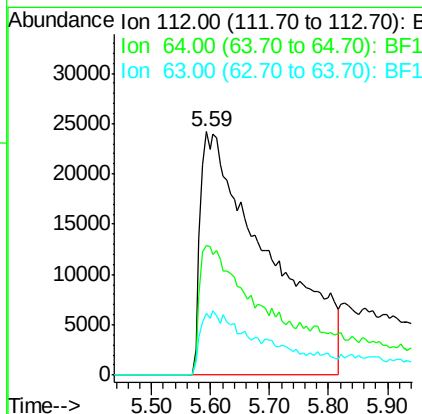
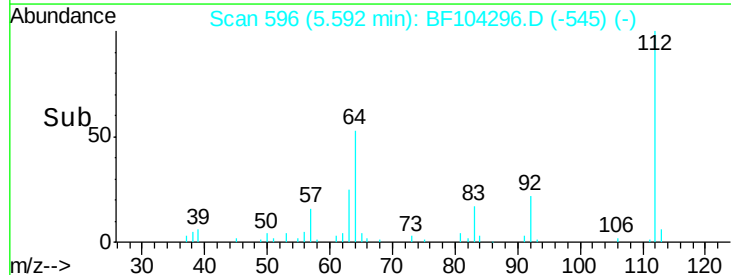
#5

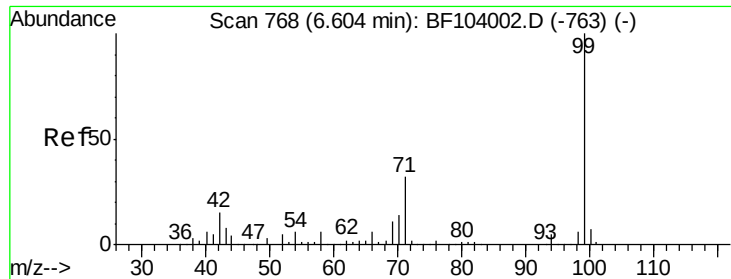
2-Fluorophenol  
 Concen: 29.869 ng  
 RT: 5.59 min Scan# 596  
 Delta R.T. -0.00 min  
 Lab File: BF104296.D  
 Acq: 6 Apr 2018 3:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.2  | 47.9  | 71.9  |
| 63      | 25.3  | 23.7  | 35.5  |



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 22.605 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF104296.D

Acq: 6 Apr 2018 3:09

Instrument :

BNA\_F

ClientSampleId :

040318-JETT-E-D-M

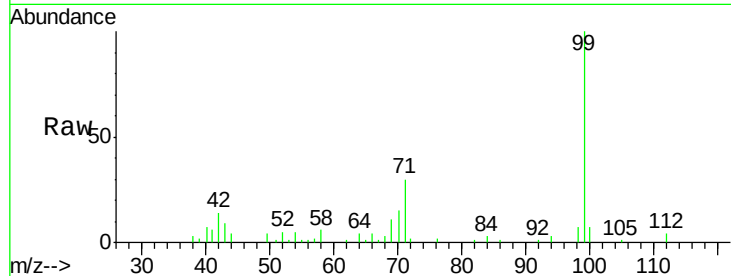
Tot Ion: 99 Resp: 180070

Ion Ratio Lower Upper

99 100

42 14.2 14.5 21.7#

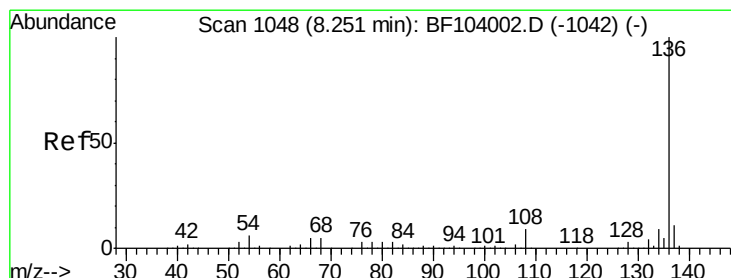
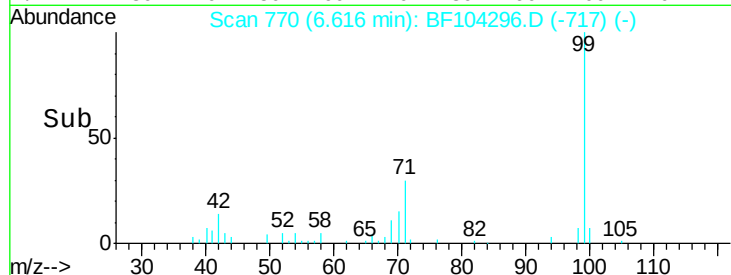
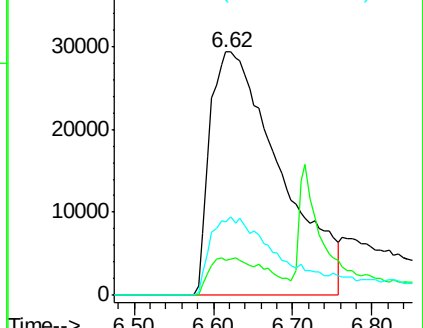
71 30.0 25.4 38.0



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: 8.23 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF104296.D

Acq: 6 Apr 2018 3:09

Tgt Ion: 136 Resp: 499770

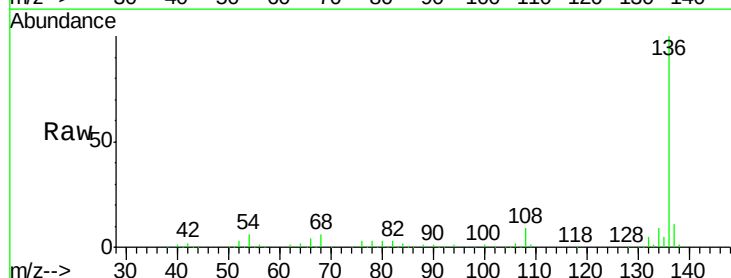
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.4 6.6 9.8#

68 5.7 5.0 7.4

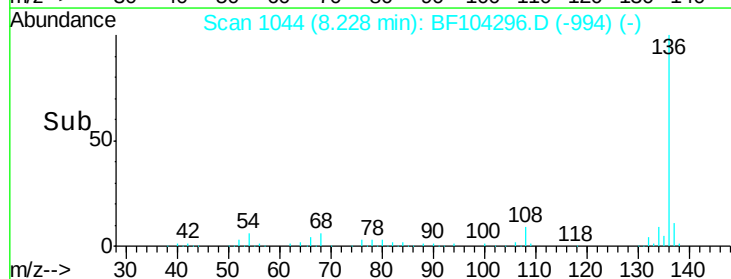
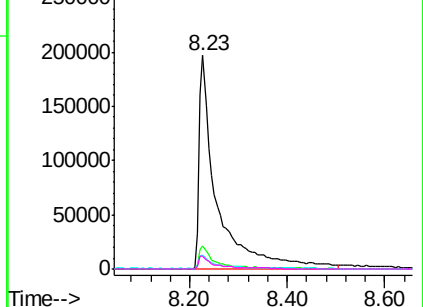


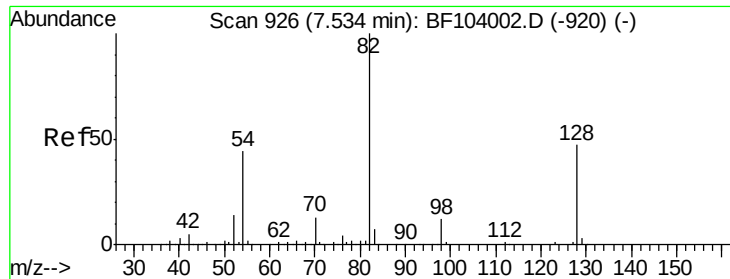
Abundance Ion 136.00 (135.70 to 136.70): E

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

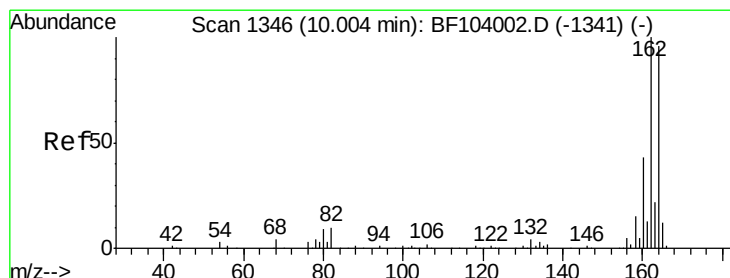
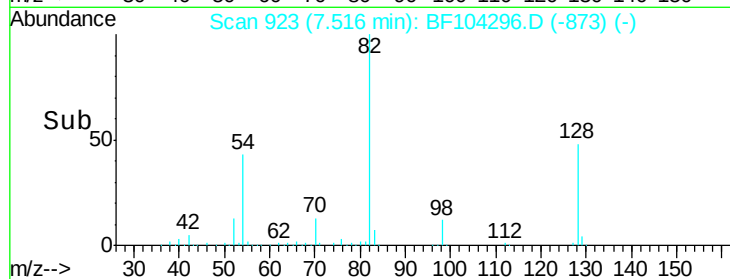
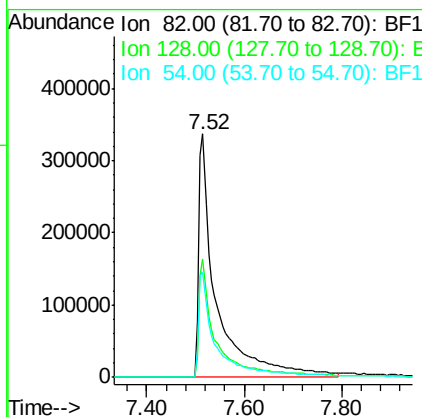
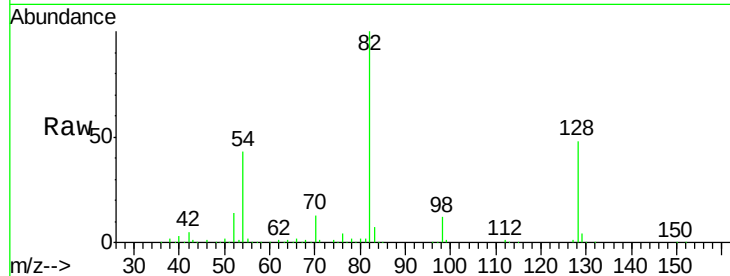




#23  
 Nitrobenzene-d5  
 Concen: 104.545 ng  
 RT: 7.52 min Scan# 923  
 Delta R.T. -0.01 min  
 Lab File: BF104296.D  
 Acq: 6 Apr 2018 3:09

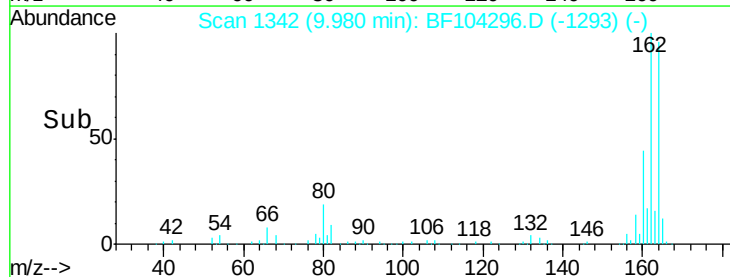
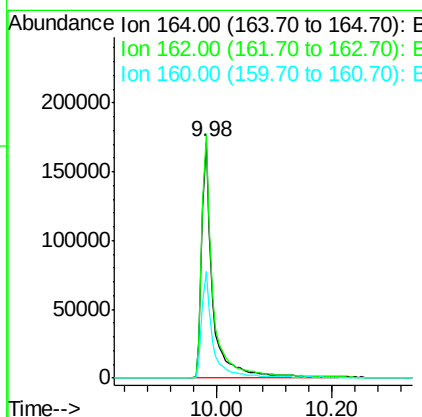
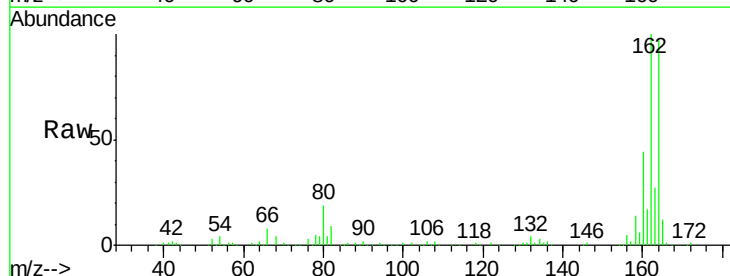
Instrument :  
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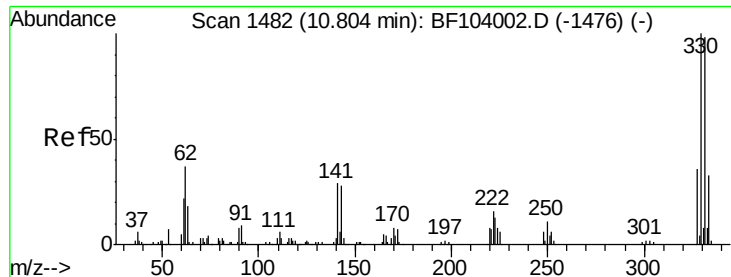
Tot Ion: 82 Resp: 854355  
 Ion Ratio Lower Upper  
 82 100  
 128 48.4 36.1 54.1  
 54 43.4 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.98 min Scan# 1342  
 Delta R.T. -0.01 min  
 Lab File: BF104296.D  
 Acq: 6 Apr 2018 3:09

Tgt Ion:164 Resp: 236557  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 86.1 129.1  
 160 45.3 38.3 57.5

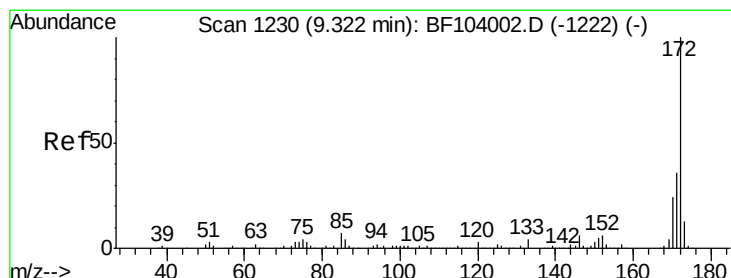
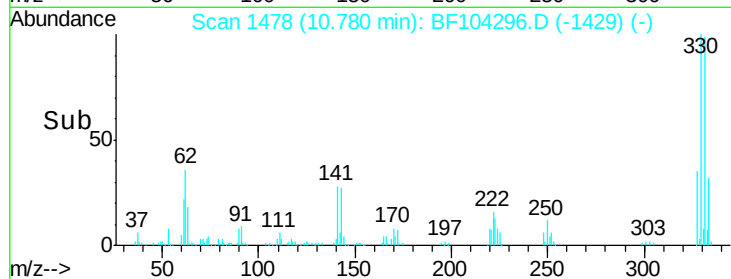
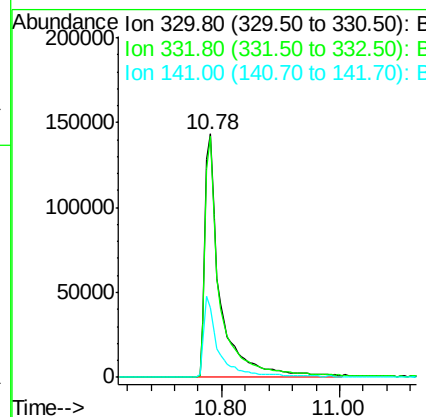
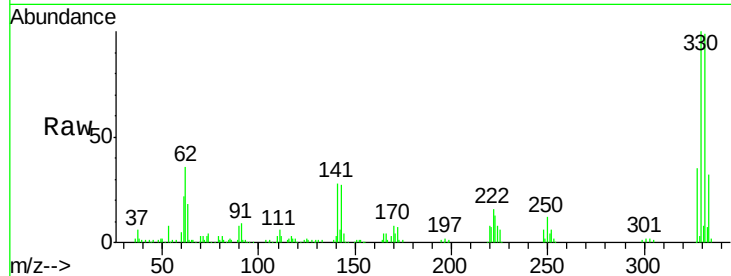




#41  
 2,4,6-Tribromophenol  
 Concen: 98.208 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BF104296.D  
 Acq: 6 Apr 2018 3:09

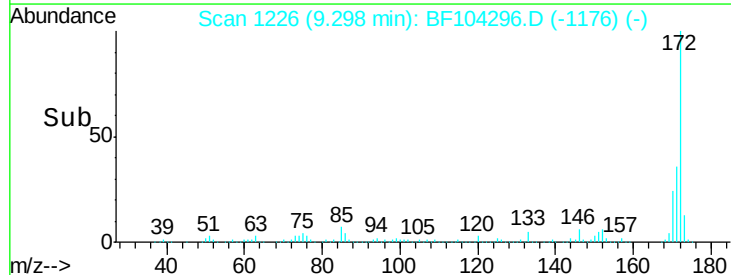
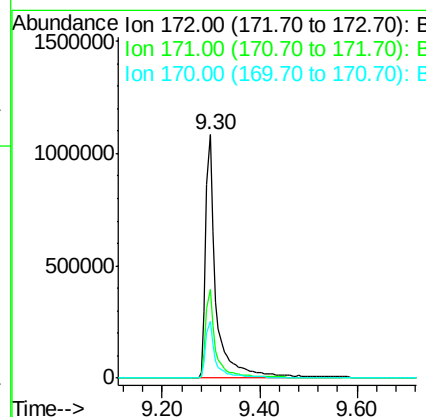
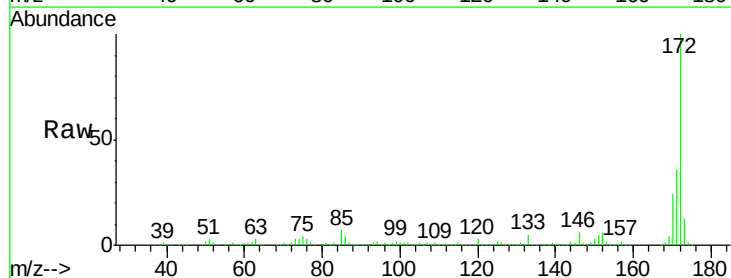
Instrument :  
 BNA\_F  
 ClientSampleId :  
 040318-JETT-E-D-M

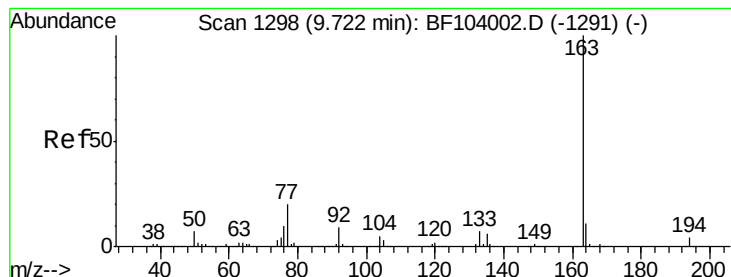
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 77.0  | 115.6 |
| 141     | 32.0  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 108.971 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF104296.D  
 Acq: 6 Apr 2018 3:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.7  | 44.5  |
| 170     | 23.5  | 19.6  | 29.4  |





#49

Dimethylphthalate

Concen: 2.069 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF104296.D

Acq: 6 Apr 2018 3:09

Instrument :

BNA\_F

ClientSampleId :

040318-JETT-E-D-M

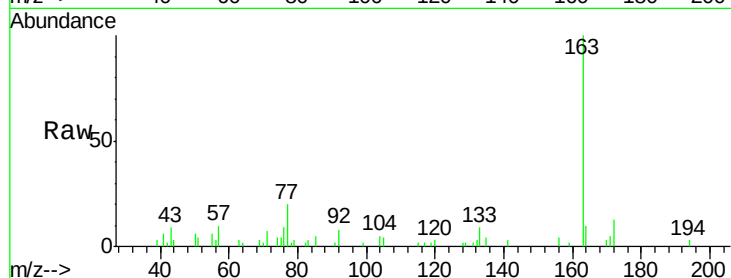
Tot Ion:163 Resp: 38643

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

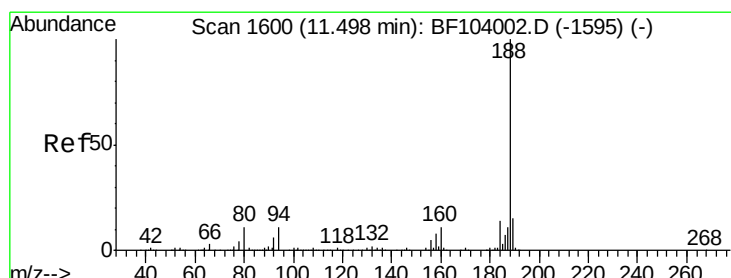
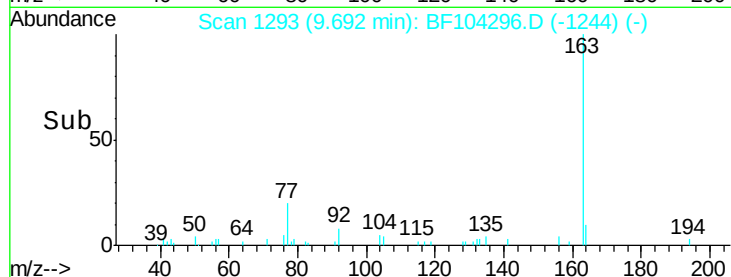
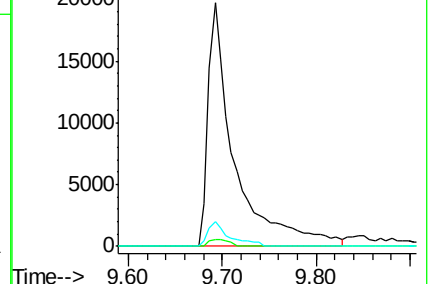
164 10.1 8.2 12.2



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: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF104296.D

Acq: 6 Apr 2018 3:09

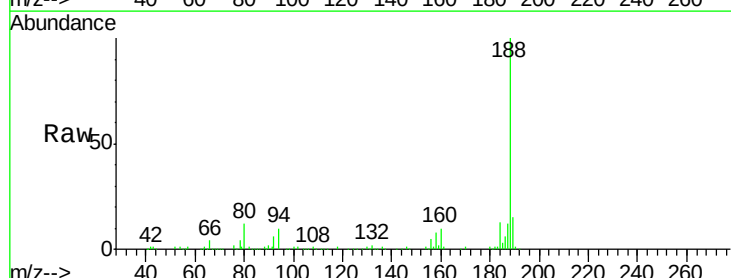
Tgt Ion:188 Resp: 424791

Ion Ratio Lower Upper

188 100

94 10.4 8.5 12.7

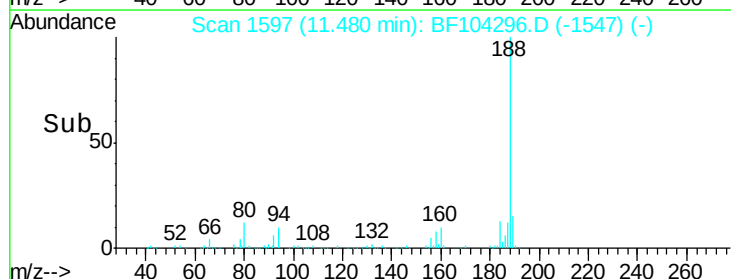
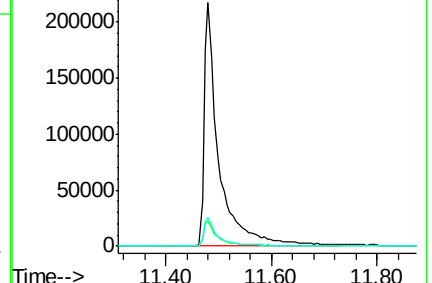
80 11.5 9.2 13.8

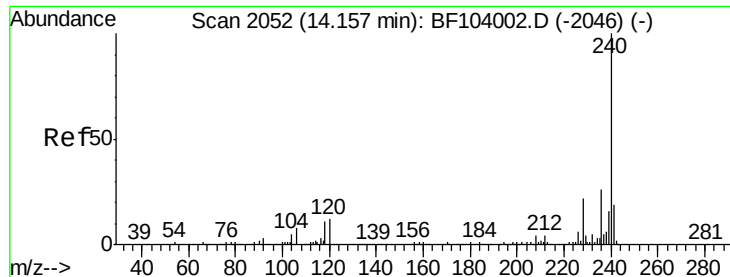


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF104296.D

Acq: 6 Apr 2018 3:09

Instrument :

BNA\_F

ClientSampleId :

040318-JETT-E-D-M

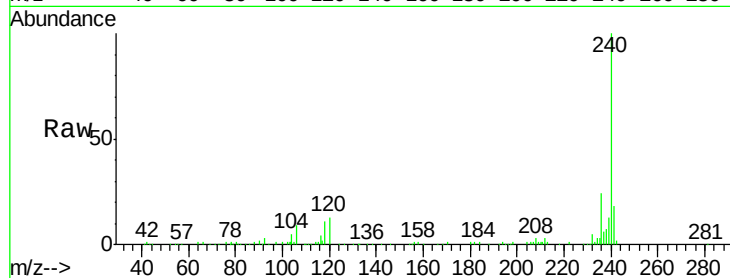
Tot Ion:240 Resp: 289919

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

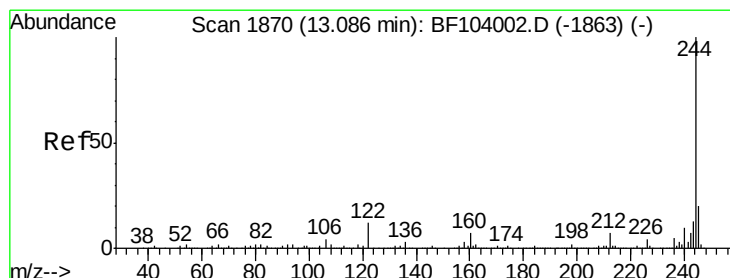
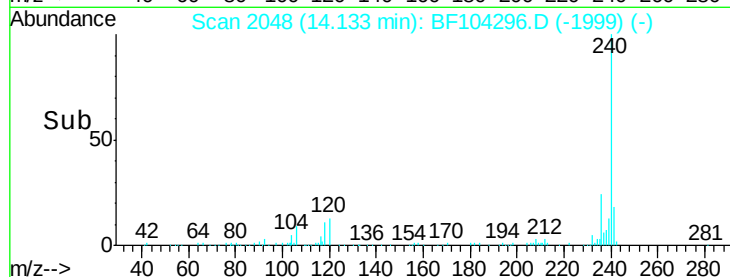
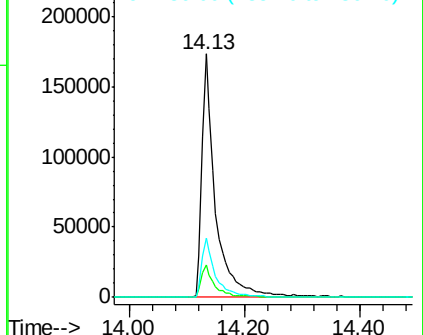
236 24.4 20.7 31.1



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: 107.646 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF104296.D

Acq: 6 Apr 2018 3:09

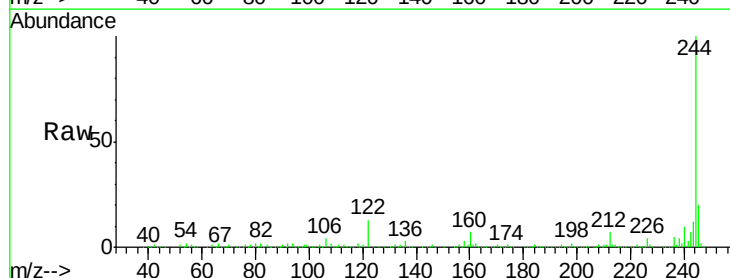
Tgt Ion:244 Resp: 1351635

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

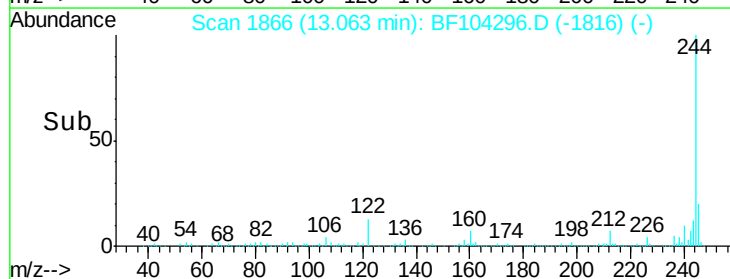
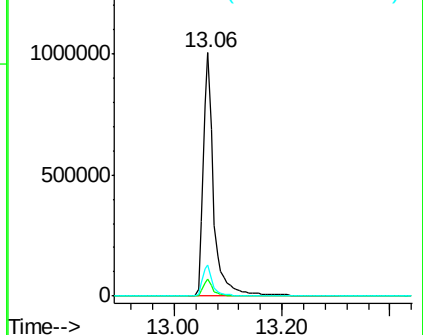
122 12.5 11.0 16.4



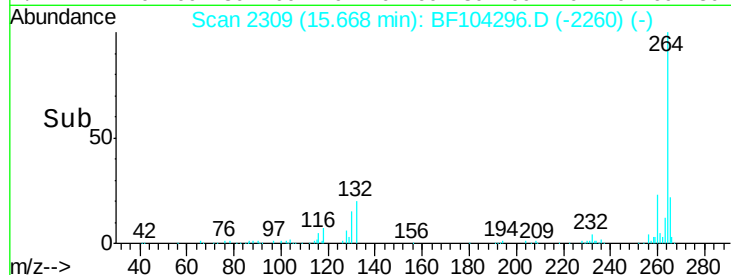
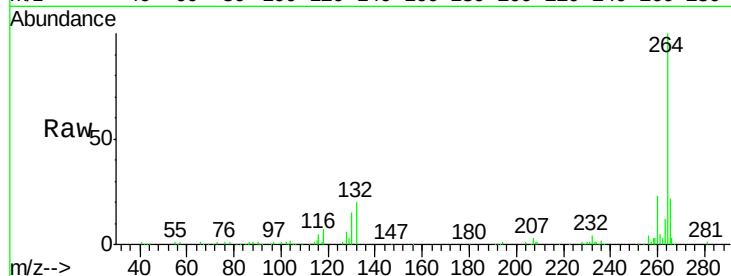
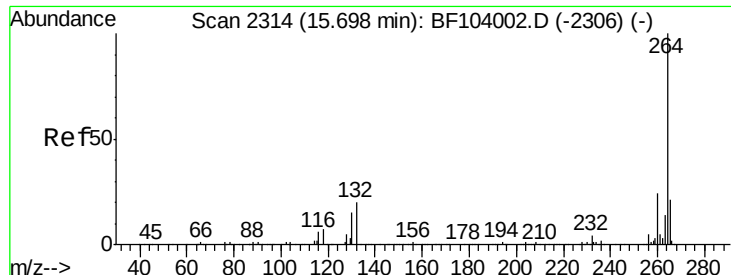
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.67 min Scan# 2309  
 Delta R.T. -0.01 min  
 Lab File: BF104296.D  
 Acq: 6 Apr 2018 3:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 040318-JETT-E-D-M

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:264 | Resp: | 228765    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 22.5  | 19.2 28.8 |
| 265         | 21.5  | 17.5 26.3 |

