

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\  
 Data File : BF082643.D  
 Acq On : 2 Nov 2015 21:03  
 Operator : UM/IZ  
 Sample : G4238-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-18C

Quant Time: Nov 03 04:07:58 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 31 00:17:39 2015  
 Response via : Initial Calibration

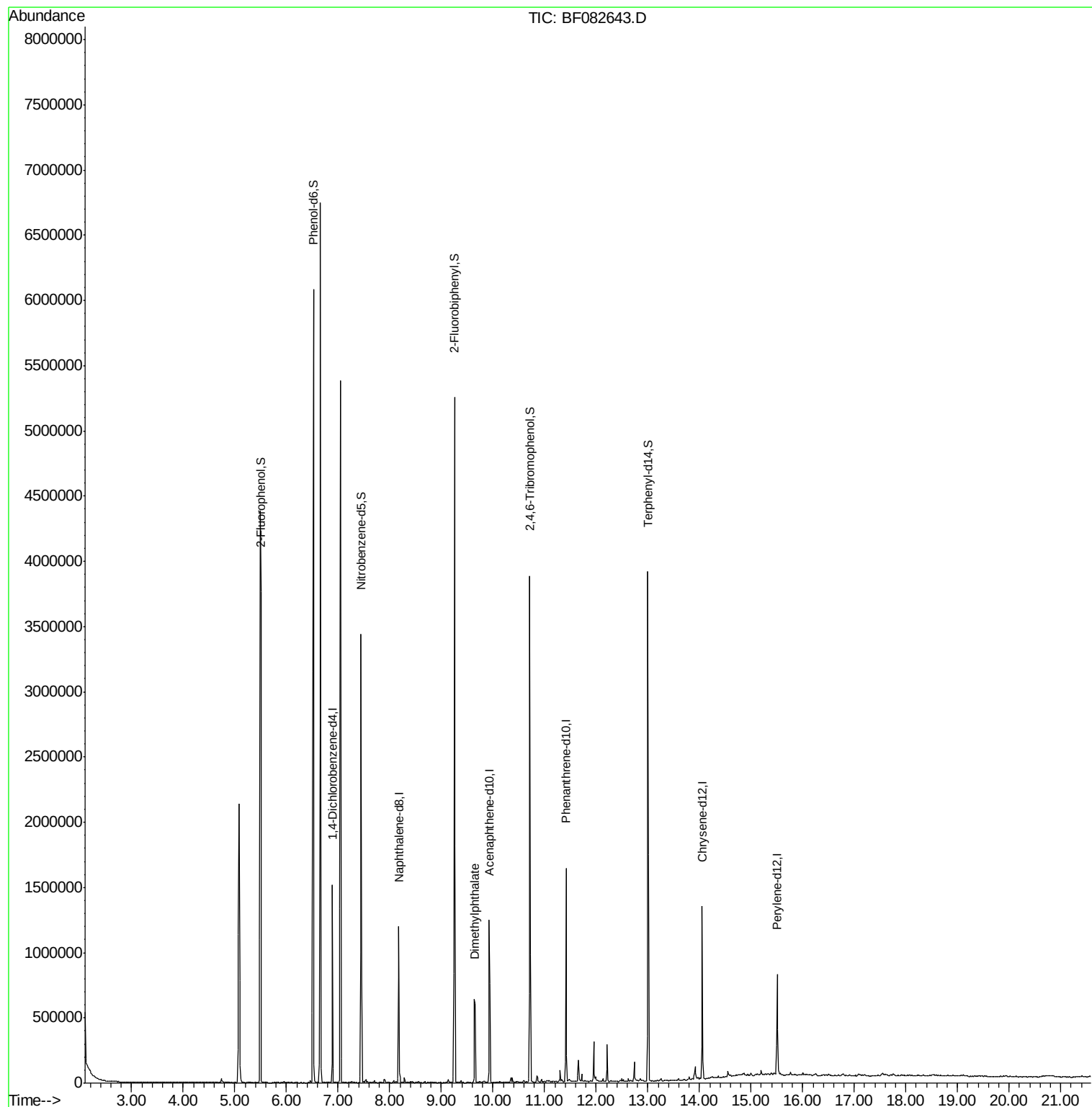
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 184399   | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 8.18  | 136  | 659763   | 20.00  | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.93  | 164  | 295543   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 11.41 | 188  | 533427   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 14.05 | 240  | 430592   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 15.51 | 264  | 360315   | 20.00  | ng    | -0.03        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.50  | 112  | 1684190  | 137.56 | ng    | 0.00         |
| 7) Phenol-d6                | 6.52  | 99   | 2153095  | 132.38 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 1240158  | 76.76  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 435211   | 134.56 | ng    | -0.02        |
| 44) 2-Fluorobiphenyl        | 9.25  | 172  | 1750120  | 84.08  | ng    | -0.02        |
| 78) Terphenyl-d14           | 13.00 | 244  | 1337699  | 67.99  | ng    | -0.02        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.65  | 163  | 382255   | 15.84  | ng    | Qvalue<br>96 |

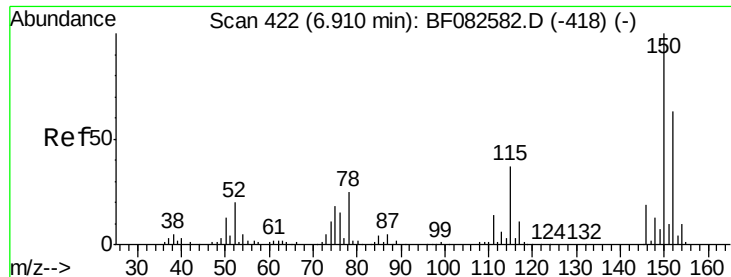
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\  
Data File : BF082643.D  
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Operator : UM/IZ  
Sample : G4238-02  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
T-18C

Quant Time: Nov 03 04:07:58 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 31 00:17:39 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF082643.D

Acq: 2 Nov 2015 21:03

Instrument :

BNA\_F

ClientSampleId :

T-18C

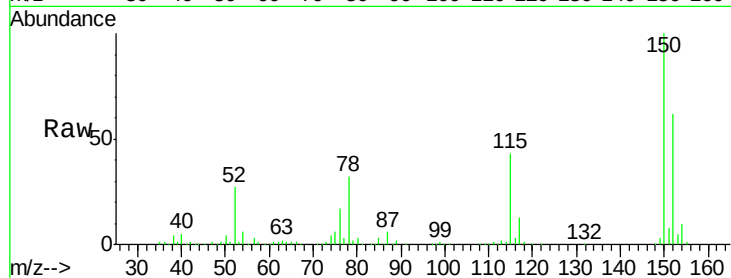
Tot Ion:152 Resp: 184399

Ion Ratio Lower Upper

152 100

150 161.2 127.0 190.4

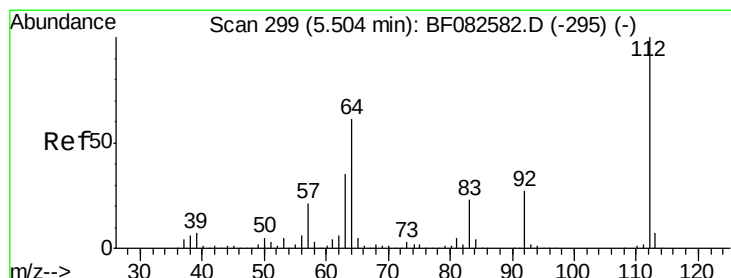
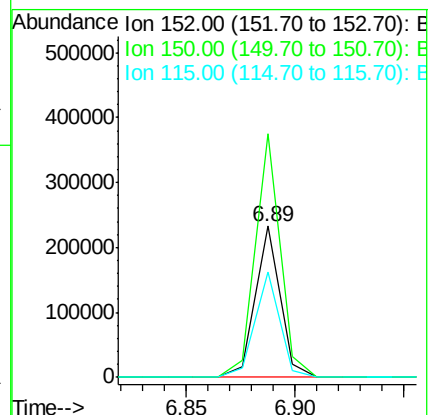
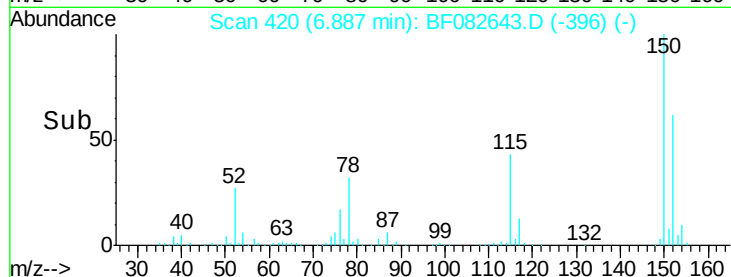
115 70.0 47.0 70.6



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: 137.56 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.00 min

Lab File: BF082643.D

Acq: 2 Nov 2015 21:03

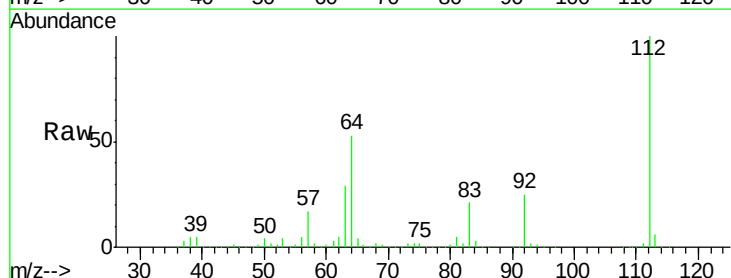
Tgt Ion:112 Resp: 1684190

Ion Ratio Lower Upper

112 100

64 53.2 48.9 73.3

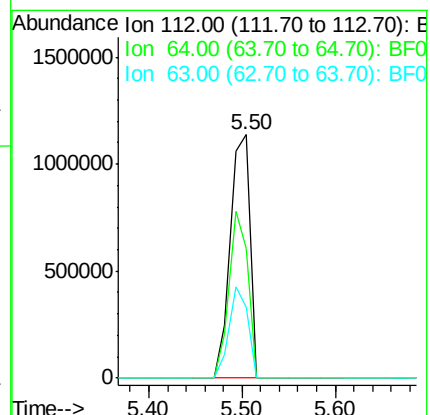
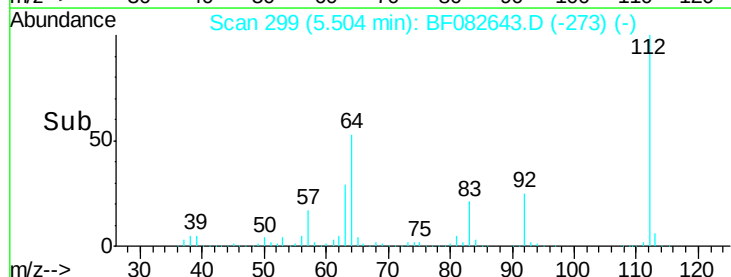
63 29.1 28.1 42.1

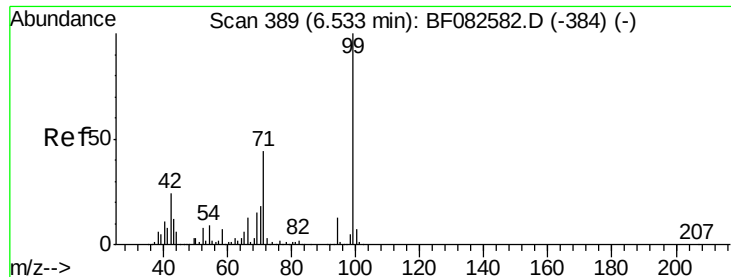


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.38 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082643.D

Acq: 2 Nov 2015 21:03

Instrument :

BNA\_F

ClientSampleId :

T-18C

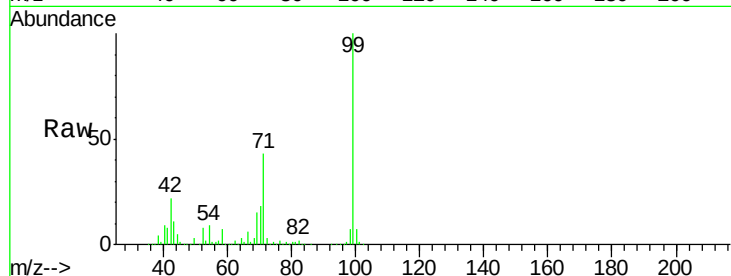
Tot Ion: 99 Resp: 2153095

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.4  | 19.2  | 28.8  |
| 71  | 43.0  | 35.0  | 52.4  |

99 100

42 22.4 19.2 28.8

71 43.0 35.0 52.4

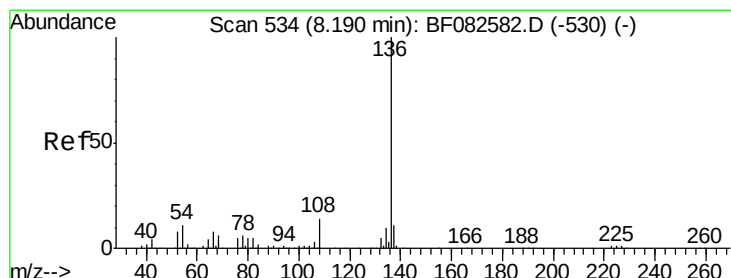
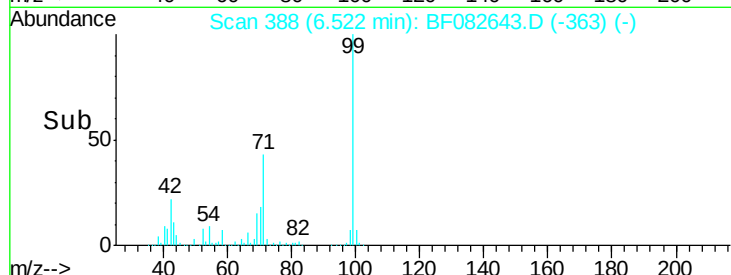
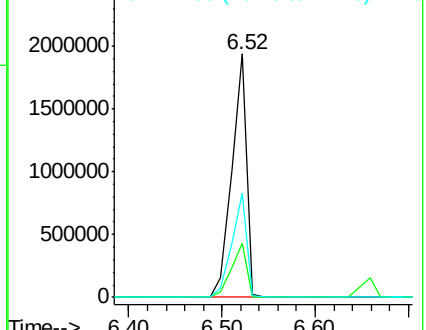


Abundance

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: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF082643.D

Acq: 2 Nov 2015 21:03

Tgt Ion: 136 Resp: 659763

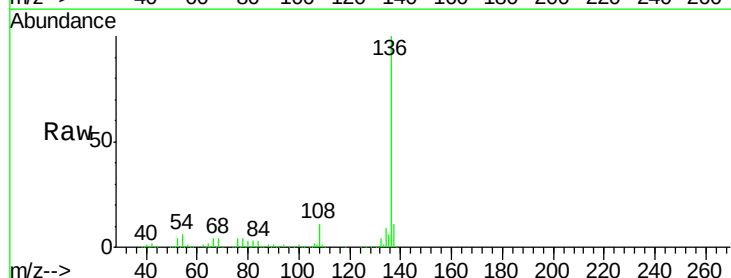
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 9.1   | 13.7  |
| 54  | 6.5   | 9.1   | 13.7# |
| 68  | 4.0   | 4.8   | 7.2#  |

136 100

137 10.9 9.1 13.7

54 6.5 9.1 13.7#

68 4.0 4.8 7.2#



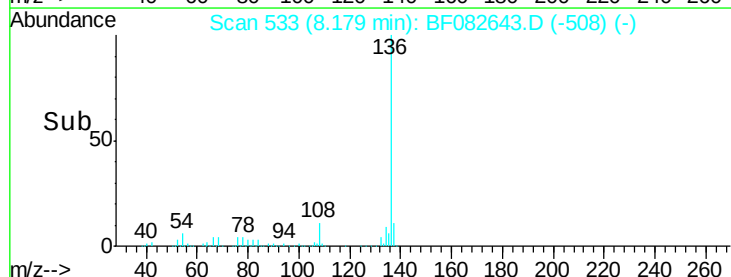
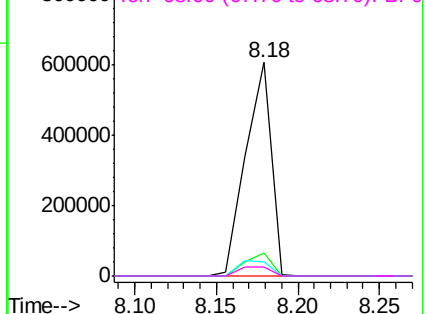
Abundance

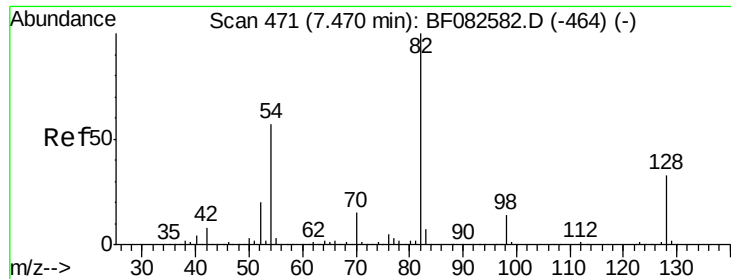
Ion 136.00 (135.70 to 136.70): E

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



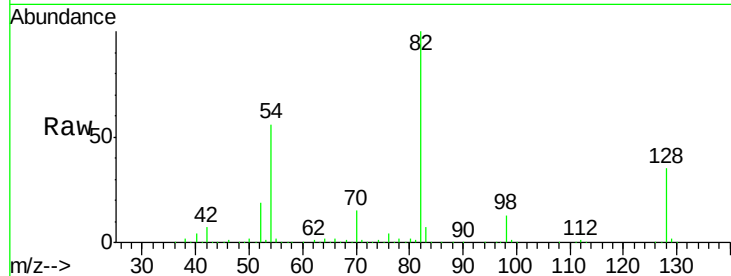


#23  
 Nitrobenzene-d5  
 Concen: 76.76 ng  
 RT: 7.45 min Scan# 469  
 Delta R.T. -0.02 min  
 Lab File: BF082643.D  
 Acq: 2 Nov 2015 21:03

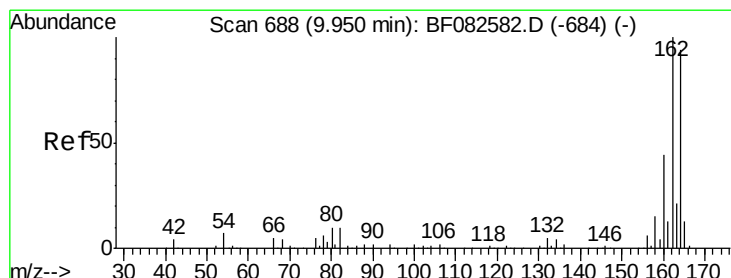
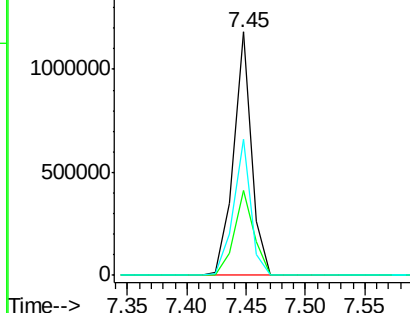
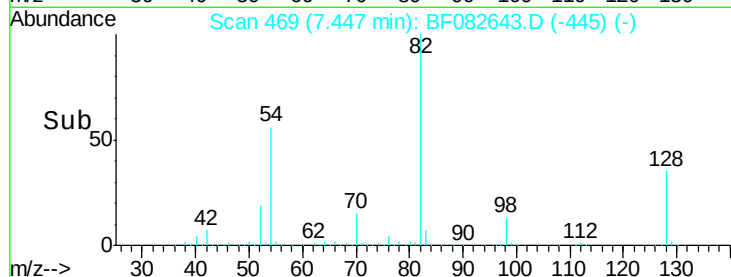
Instrument :  
 BNA\_F  
 ClientSampleID :  
 T-18C

Tot Ion: 82 Resp: 1240158  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 35.0  | 26.8  | 40.2  |
| 54  | 55.8  | 45.7  | 68.5  |



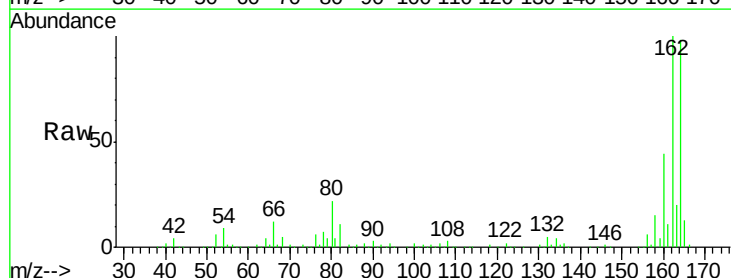
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0



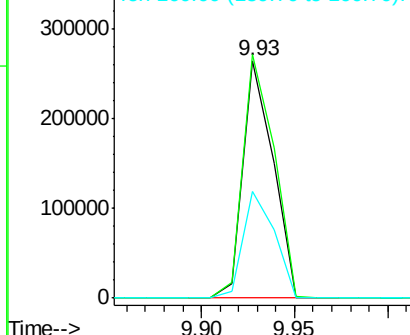
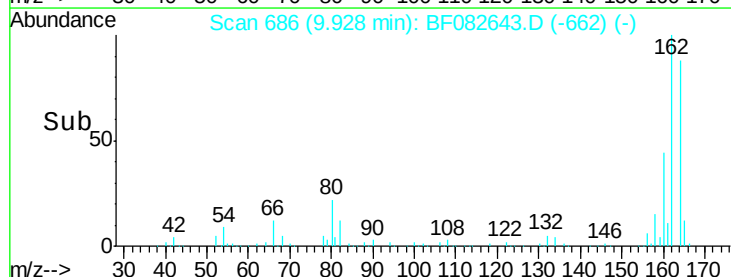
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.93 min Scan# 686  
 Delta R.T. -0.02 min  
 Lab File: BF082643.D  
 Acq: 2 Nov 2015 21:03

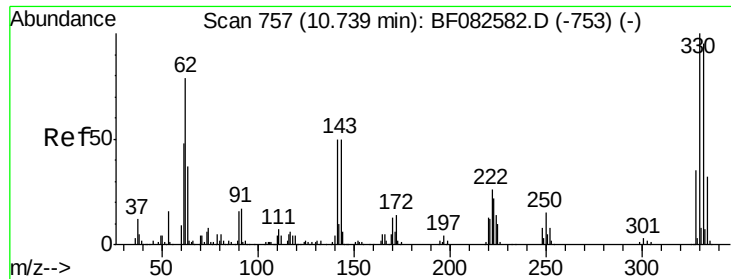
Tgt Ion:164 Resp: 295543  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.5 | 84.9  | 127.3 |
| 160 | 45.0  | 37.5  | 56.3  |



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

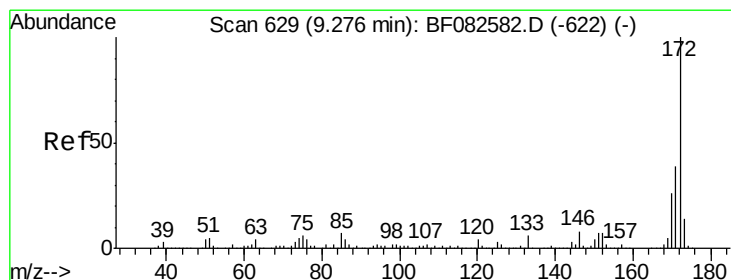
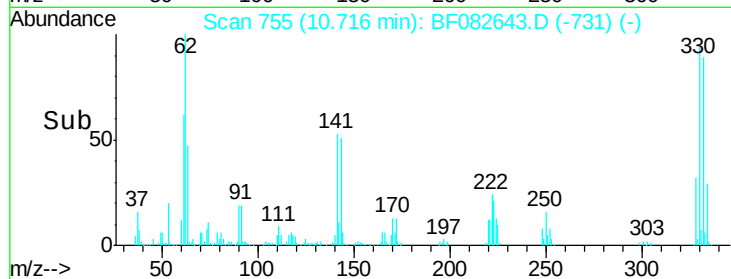
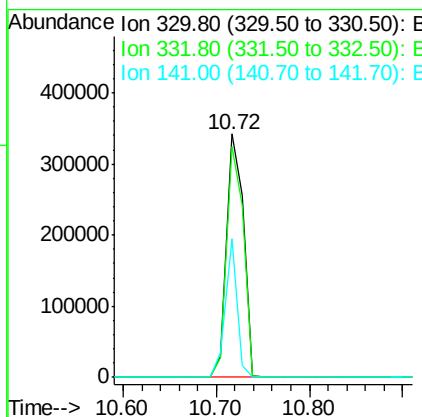
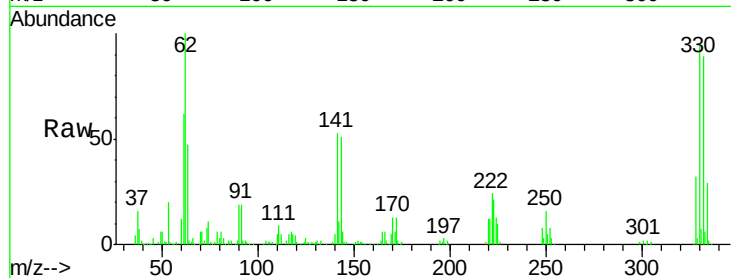




#41  
 2,4,6-Tribromophenol  
 Concen: 134.56 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. -0.02 min  
 Lab File: BF082643.D  
 Acq: 2 Nov 2015 21:03

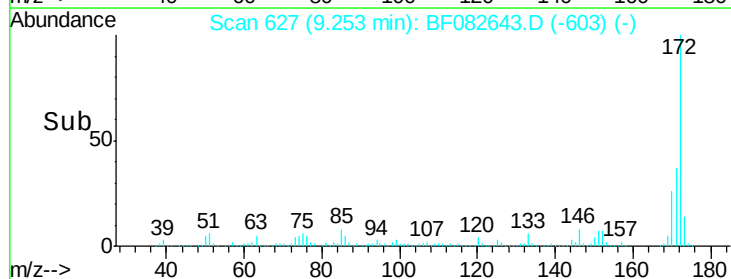
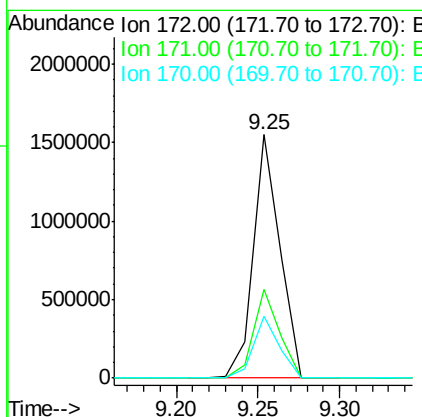
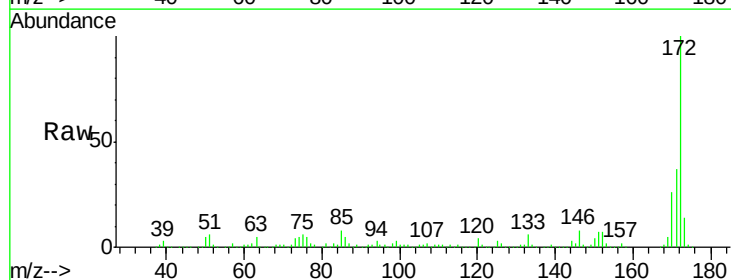
Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-18C

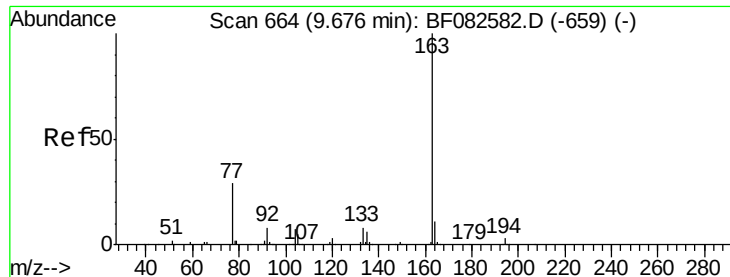
Tot Ion:330 Resp: 435211  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 76.6 114.8  
 141 39.2 41.2 61.8#



#44  
 2-Fluorobiphenyl  
 Concen: 84.08 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.02 min  
 Lab File: BF082643.D  
 Acq: 2 Nov 2015 21:03

Tgt Ion:172 Resp: 1750120  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 30.8 46.2  
 170 25.7 21.2 31.8





#49

Dimethylphthalate

Concen: 15.84 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF082643.D

Acq: 2 Nov 2015 21:03

Instrument :

BNA\_F

ClientSampleId :

T-18C

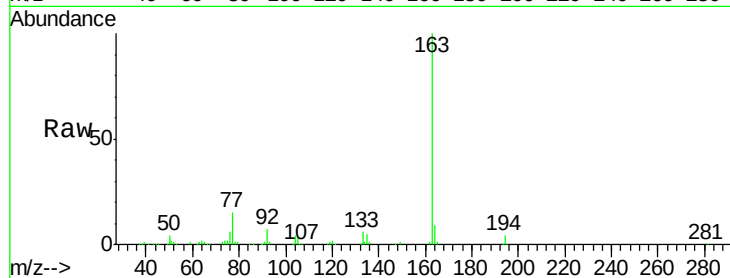
Tot Ion:163 Resp: 382255

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

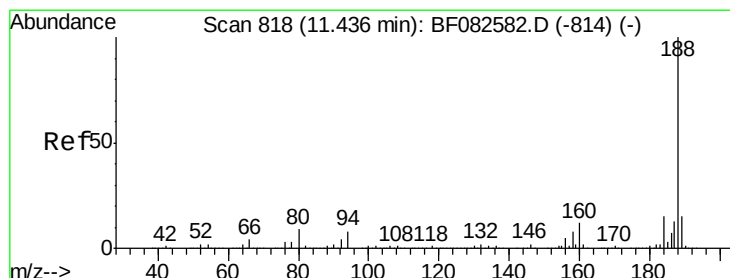
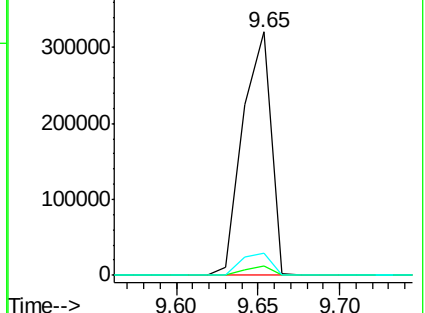
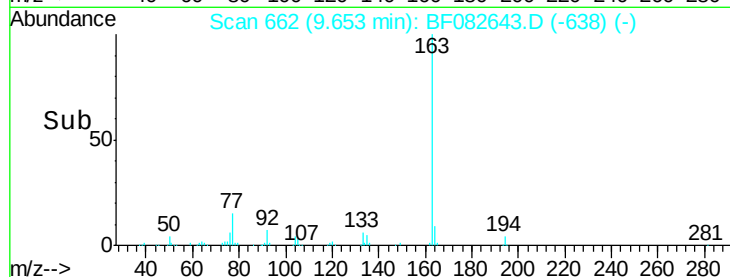
164 9.2 8.7 13.1



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: 11.41 min Scan# 816

Delta R.T. -0.02 min

Lab File: BF082643.D

Acq: 2 Nov 2015 21:03

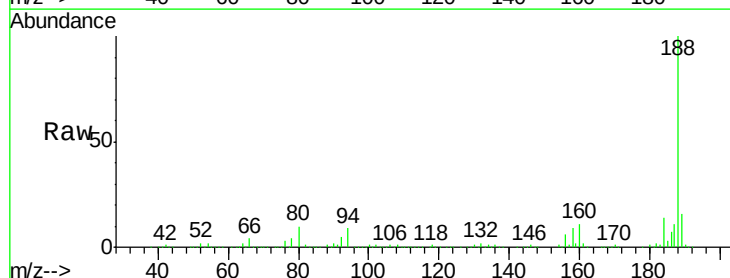
Tgt Ion:188 Resp: 533427

Ion Ratio Lower Upper

188 100

94 9.1 6.1 9.1

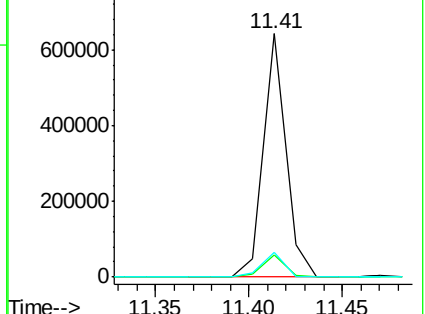
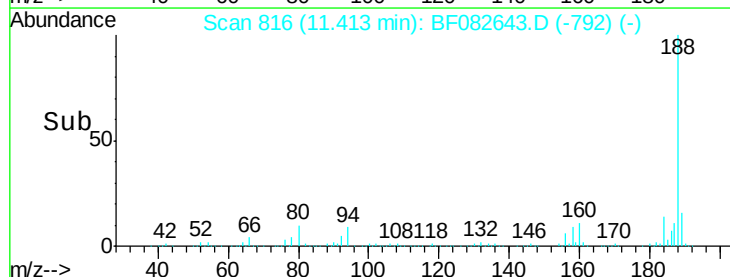
80 10.0 7.0 10.6

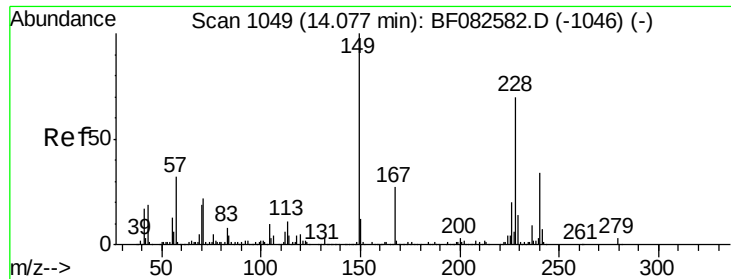


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

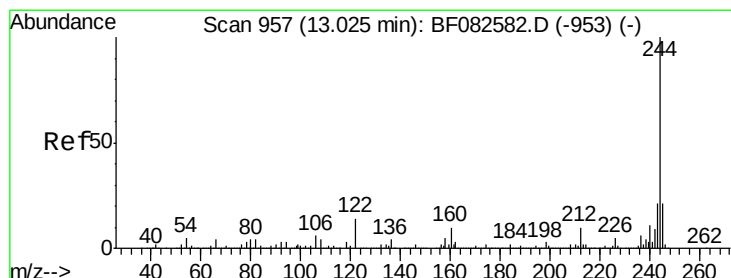
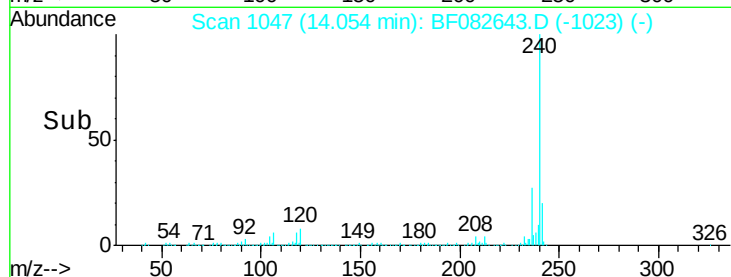
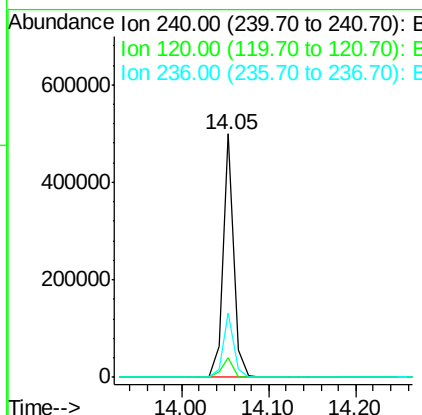
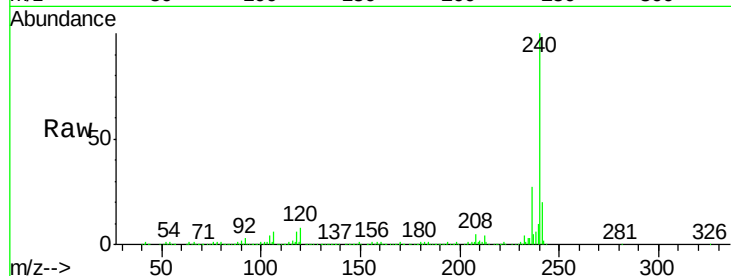




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.05 min Scan# 1047  
 Delta R.T. -0.02 min  
 Lab File: BF082643.D  
 Acq: 2 Nov 2015 21:03

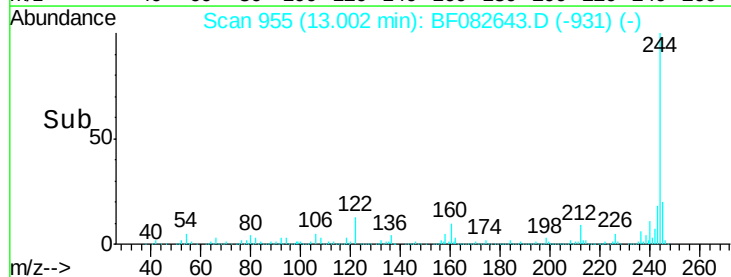
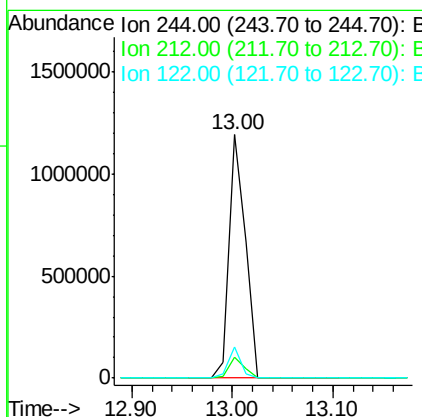
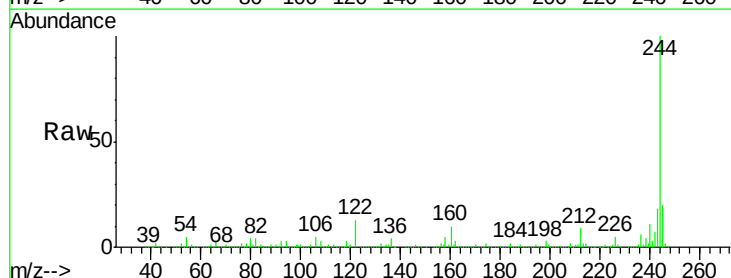
Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-18C

Tot Ion:240 Resp: 430592  
 Ion Ratio Lower Upper  
 240 100  
 120 8.0 10.9 16.3#  
 236 26.6 21.6 32.4

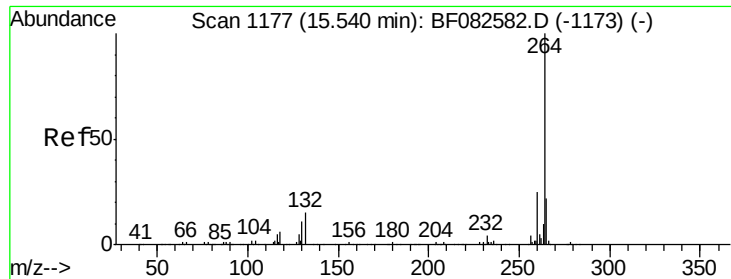


#78  
 Terphenyl-d14  
 Concen: 67.99 ng  
 RT: 13.00 min Scan# 955  
 Delta R.T. -0.02 min  
 Lab File: BF082643.D  
 Acq: 2 Nov 2015 21:03

Tgt Ion:244 Resp: 1337699  
 Ion Ratio Lower Upper  
 244 100  
 212 8.6 7.6 11.4  
 122 12.9 11.3 16.9







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.51 min Scan# 1174  
Delta R.T. -0.03 min  
Lab File: BF082643.D  
Acq: 2 Nov 2015 21:03

Instrument :  
BNA\_F  
ClientSampleId :  
T-18C

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 360315 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.1  | 19.8  | 29.6   |
| 265      | 21.6  | 17.4  | 26.0   |

