

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070216\  
 Data File : BF088618.D  
 Acq On : 2 Jul 2016 15:42  
 Operator : UM/SJ  
 Sample : H3871-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R5-B6(0-11)C

Quant Time: Jul 03 03:33:36 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 30 18:01:55 2016  
 Response via : Initial Calibration

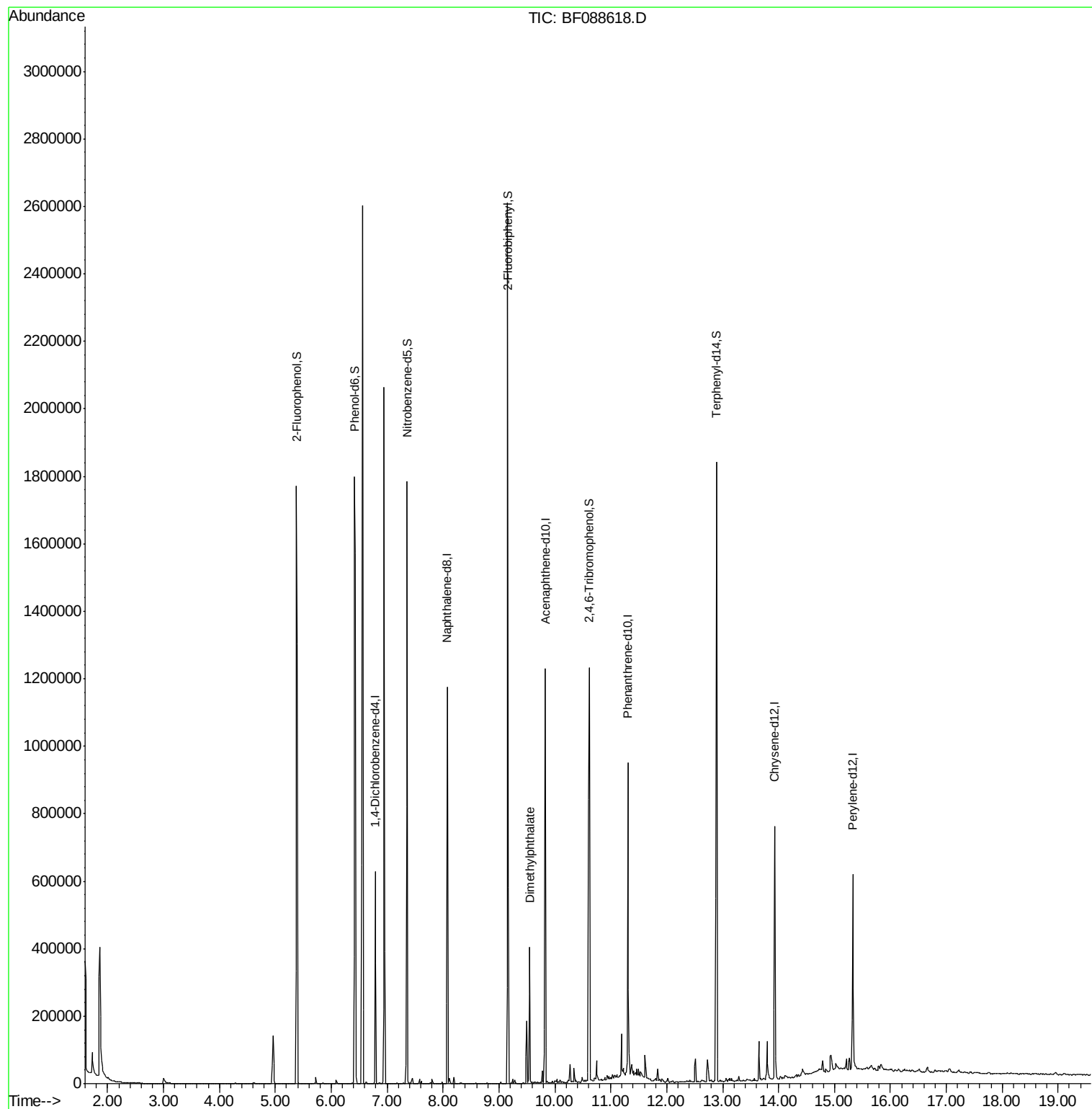
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 111669   | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 8.08  | 136  | 485101   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 9.83  | 164  | 207675   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 11.30 | 188  | 320848   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 13.93 | 240  | 221666   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 15.33 | 264  | 239295   | 20.00  | ng    | -0.02        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.38  | 112  | 702179   | 94.24  | ng    | -0.02        |
| 7) Phenol-d6                | 6.42  | 99   | 976621   | 101.44 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 651672   | 70.40  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 179015   | 92.83  | ng    | -0.02        |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 783941   | 59.63  | ng    | -0.02        |
| 78) Terphenyl-d14           | 12.89 | 244  | 526993   | 52.95  | ng    | -0.02        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.55  | 163  | 212902   | 14.39  | ng    | Qvalue<br>98 |

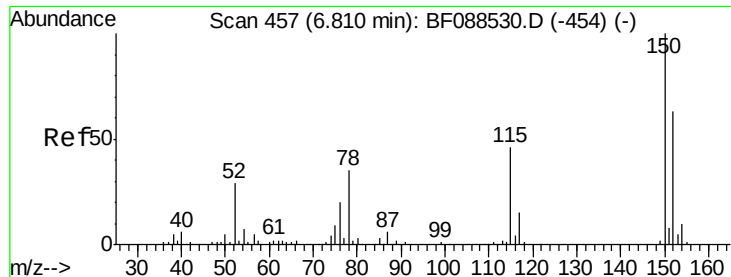
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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R5-B6(0-11)C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 30 18:01:55 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

Instrument :

BNA\_F

ClientSampleId :

R5-B6(0-11)C

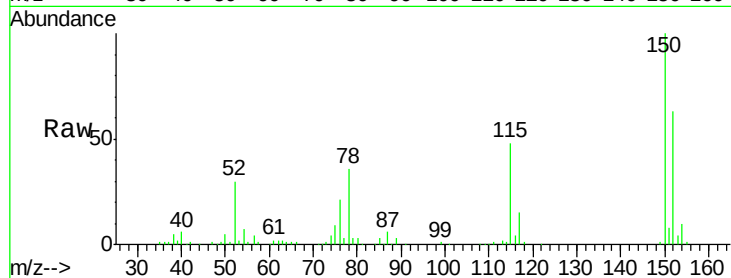
Tgt Ion:152 Resp: 111669

Ion Ratio Lower Upper

152 100

150 157.9 123.8 185.6

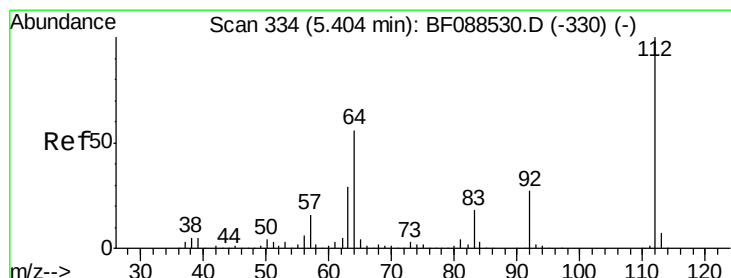
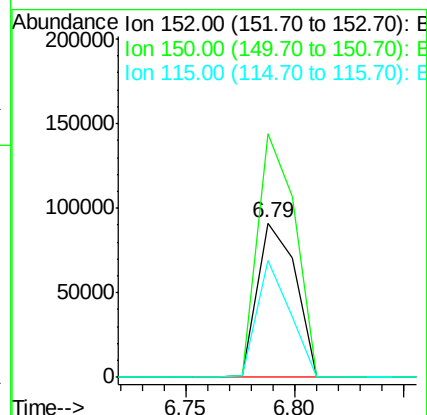
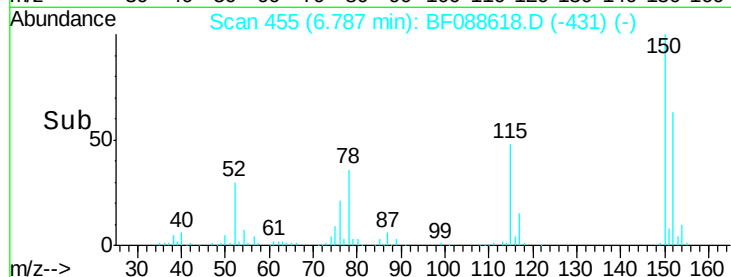
115 75.5 39.6 59.4#



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: 94.24 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

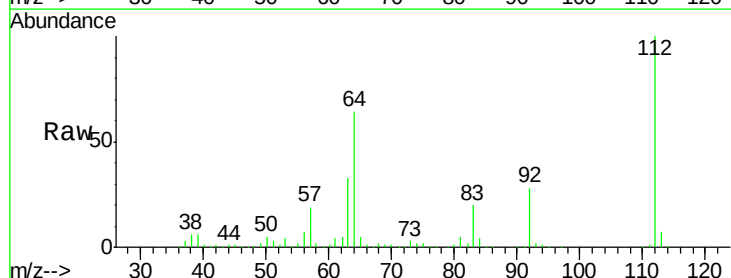
Tgt Ion:112 Resp: 702179

Ion Ratio Lower Upper

112 100

64 63.6 42.2 63.2#

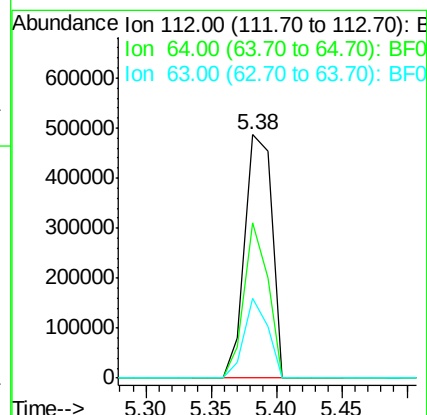
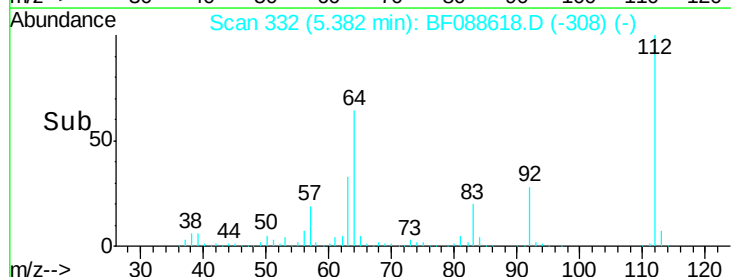
63 32.8 21.8 32.8#

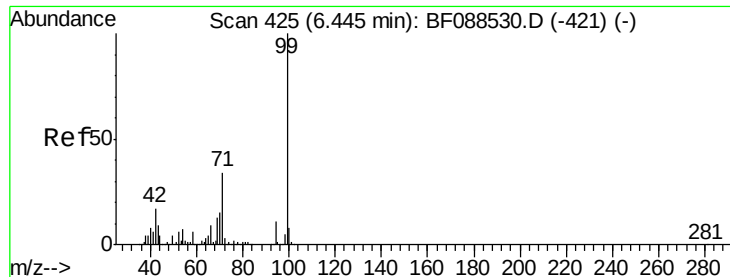


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.44 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

Instrument :

BNA\_F

ClientSampleId :

R5-B6(0-11)C

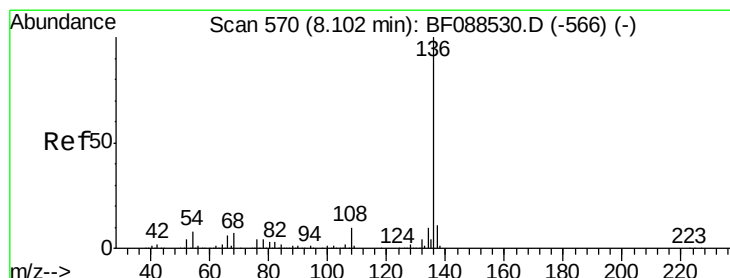
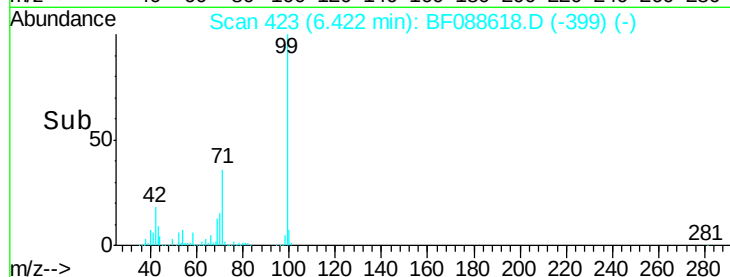
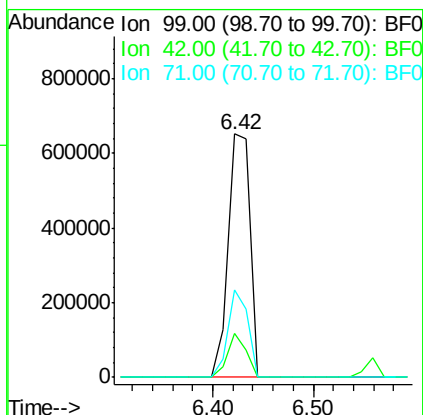
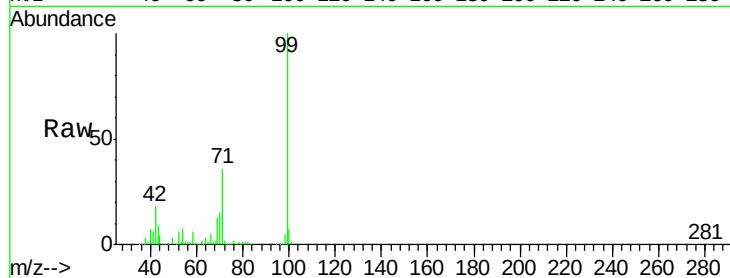
Tgt Ion: 99 Resp: 976621

Ion Ratio Lower Upper

99 100

42 17.9 12.2 18.2

71 35.7 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

Tgt Ion: 136 Resp: 485101

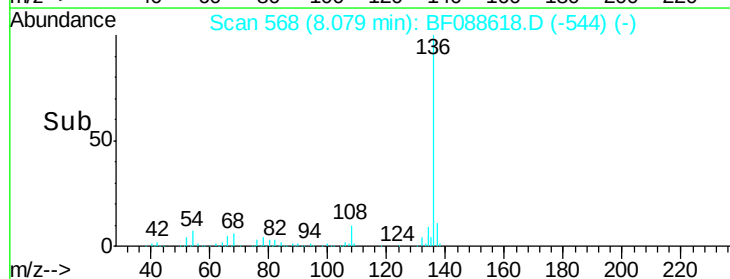
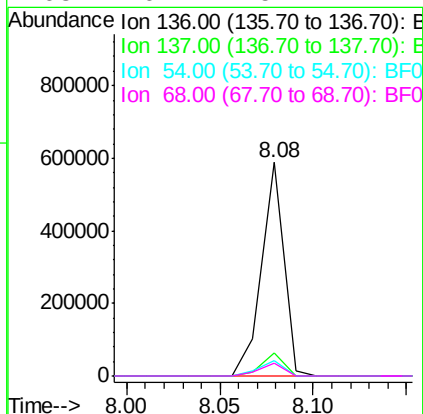
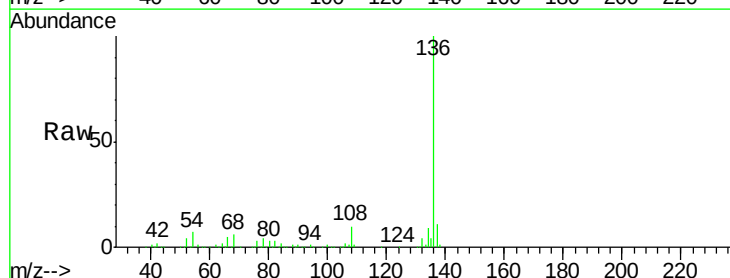
Ion Ratio Lower Upper

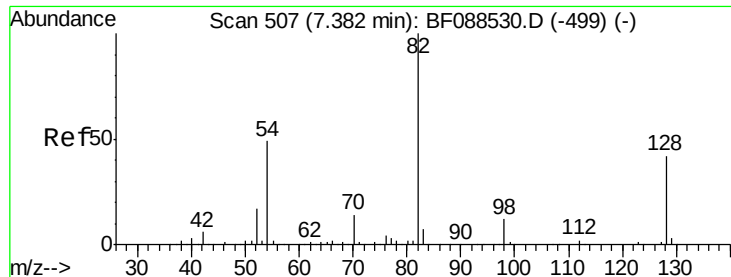
136 100

137 10.8 9.1 13.7

54 7.4 6.6 10.0

68 6.2 5.1 7.7

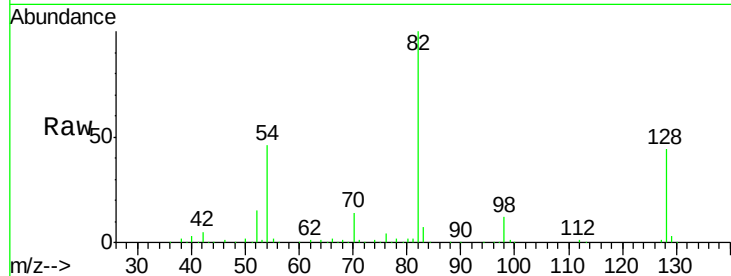




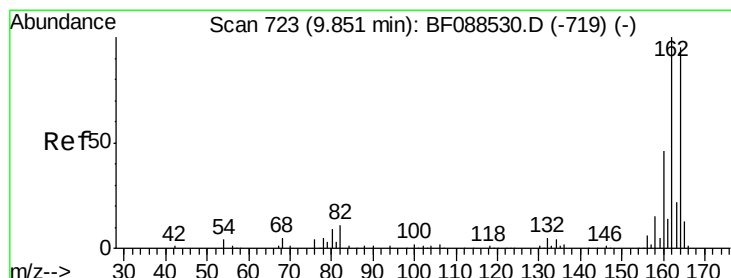
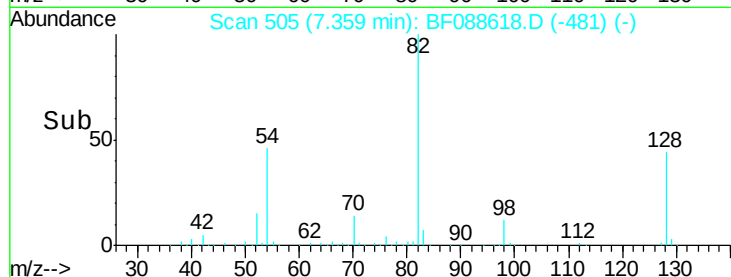
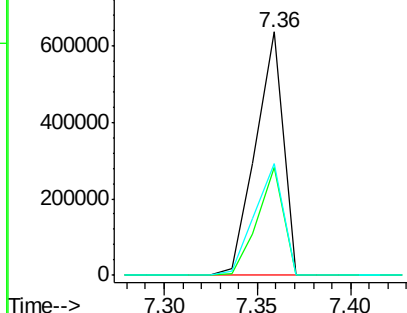
#23  
 Nitrobenzene-d5  
 Concen: 70.40 ng  
 RT: 7.36 min Scan# 505  
 Delta R.T. -0.02 min  
 Lab File: BF088618.D  
 Acq: 2 Jul 2016 15:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R5-B6(0-11)C

Tgt Ion: 82 Resp: 651672  
 Ion Ratio Lower Upper  
 82 100  
 128 44.5 35.9 53.9  
 54 45.9 40.9 61.3

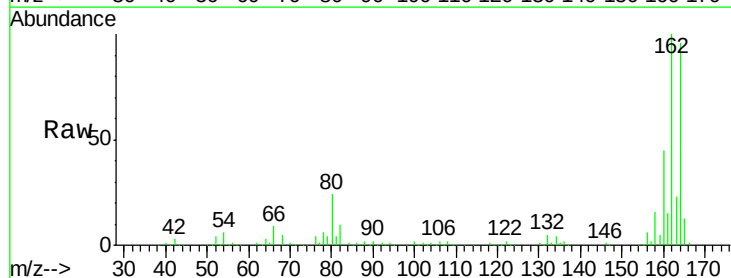


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

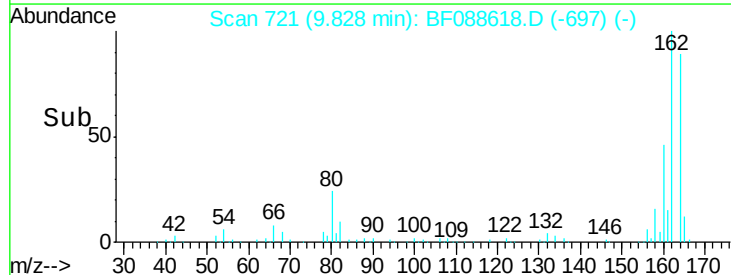
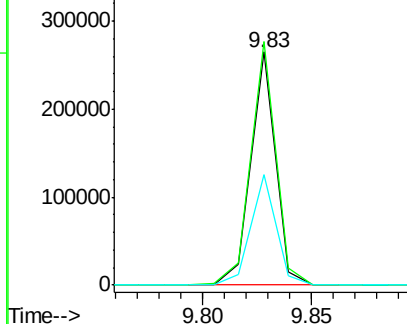


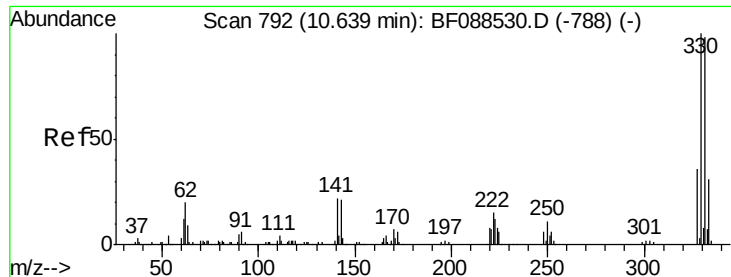
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.83 min Scan# 721  
 Delta R.T. -0.02 min  
 Lab File: BF088618.D  
 Acq: 2 Jul 2016 15:42

Tgt Ion: 164 Resp: 207675  
 Ion Ratio Lower Upper  
 164 100  
 162 104.6 85.4 128.2  
 160 47.4 39.5 59.3



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

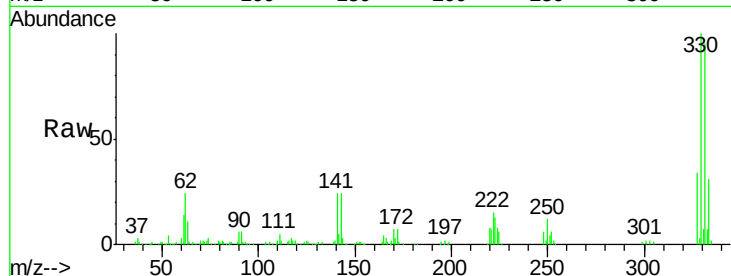




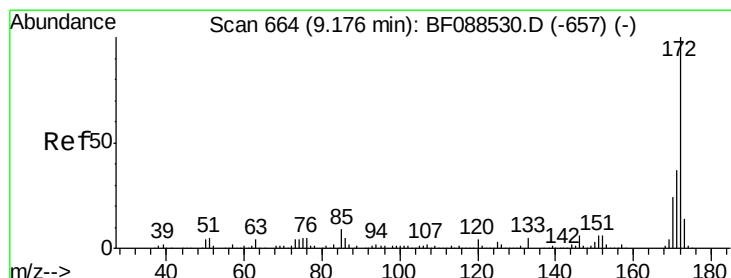
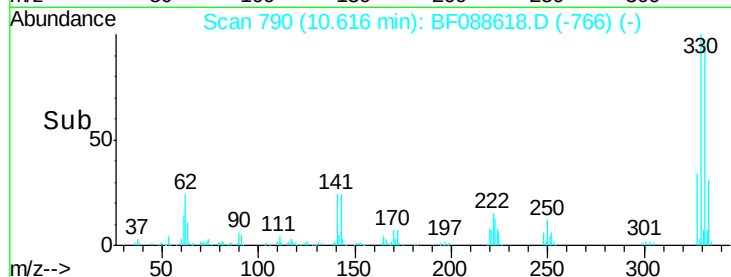
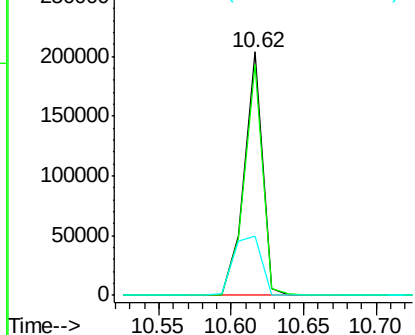
#41  
 2,4,6-Tribromophenol  
 Concen: 92.83 ng  
 RT: 10.62 min Scan# 790  
 Delta R.T. -0.02 min  
 Lab File: BF088618.D  
 Acq: 2 Jul 2016 15:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R5-B6(0-11)C

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 0.0   | 0.0#  |
| 141     | 37.0  | 0.0   | 0.0#  |

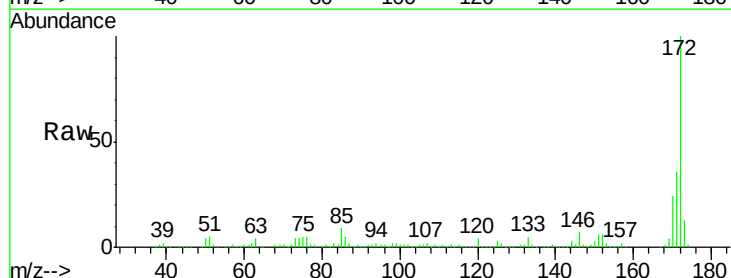


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

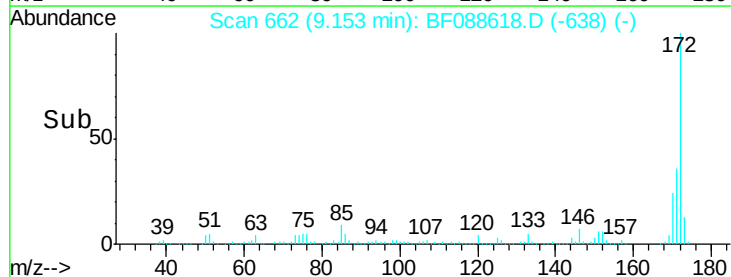
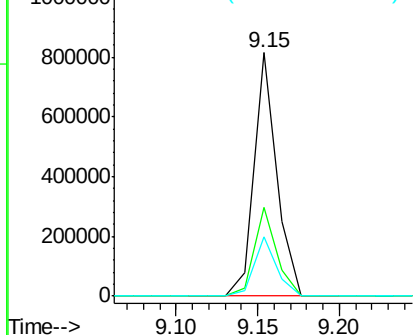


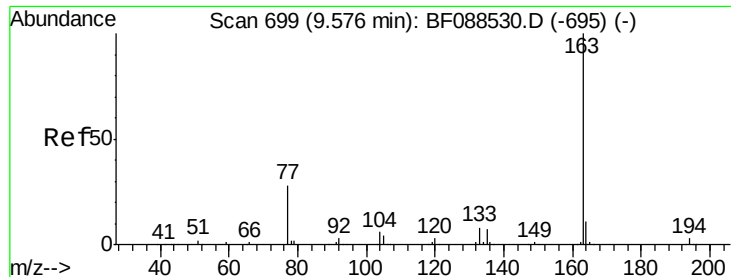
#44  
 2-Fluorobiphenyl  
 Concen: 59.63 ng  
 RT: 9.15 min Scan# 662  
 Delta R.T. -0.02 min  
 Lab File: BF088618.D  
 Acq: 2 Jul 2016 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 28.6  | 43.0  |
| 170     | 24.3  | 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

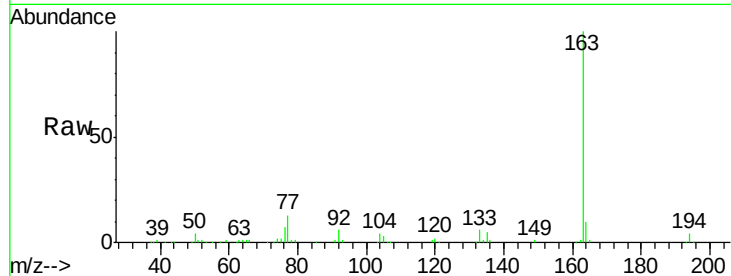




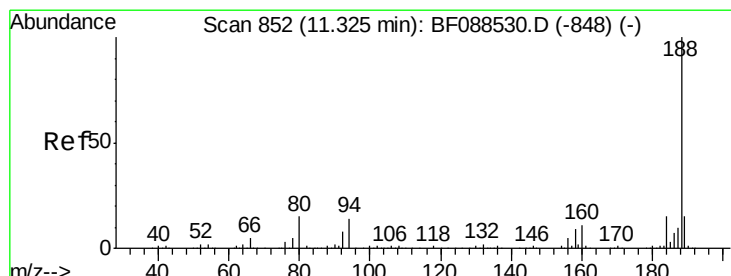
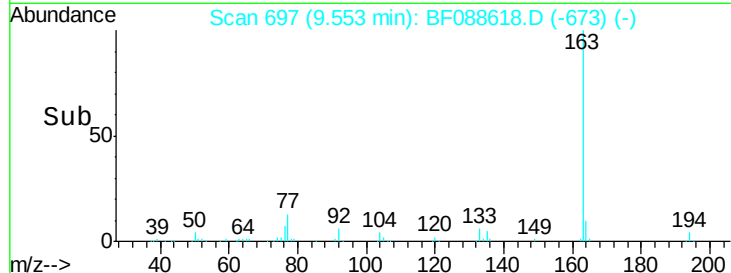
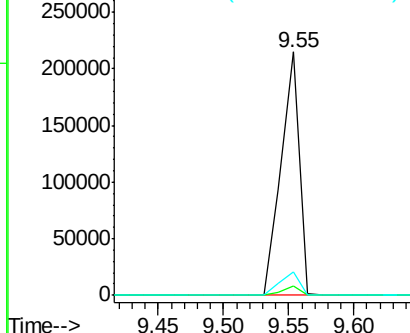
#49  
Dimethylphthalate  
Concen: 14.39 ng  
RT: 9.55 min Scan# 697  
Delta R.T. -0.02 min  
Lab File: BF088618.D  
Acq: 2 Jul 2016 15:42

Instrument :  
BNA\_F  
ClientSampleId :  
R5-B6(0-11)C

Tgt Ion:163 Resp: 212902  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.8 4.2  
164 9.7 8.3 12.5

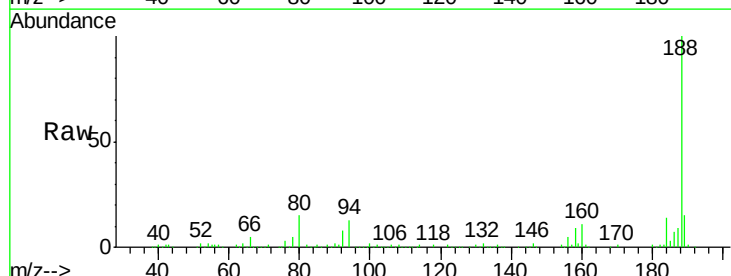


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

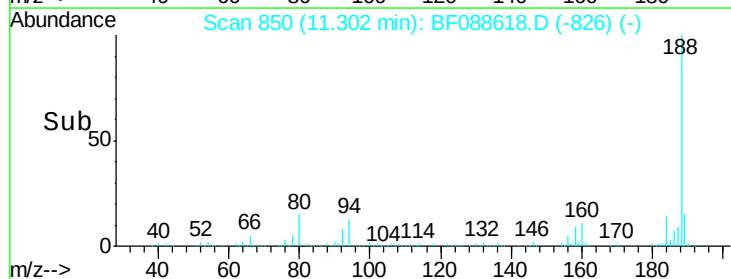
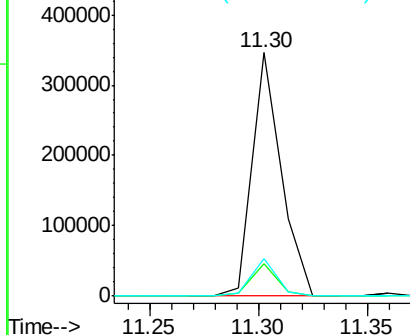


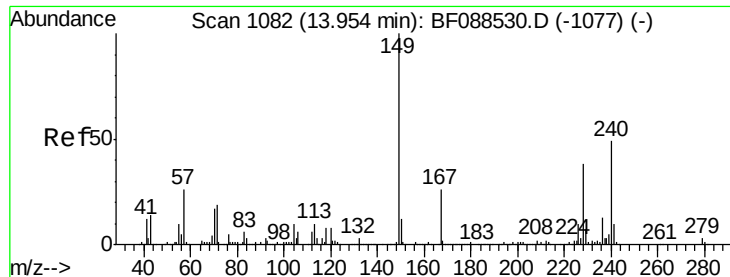
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 850  
Delta R.T. -0.02 min  
Lab File: BF088618.D  
Acq: 2 Jul 2016 15:42

Tgt Ion:188 Resp: 320848  
Ion Ratio Lower Upper  
188 100  
94 13.2 9.0 13.6  
80 15.4 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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

Instrument :

BNA\_F

ClientSampleId :

R5-B6(0-11)C

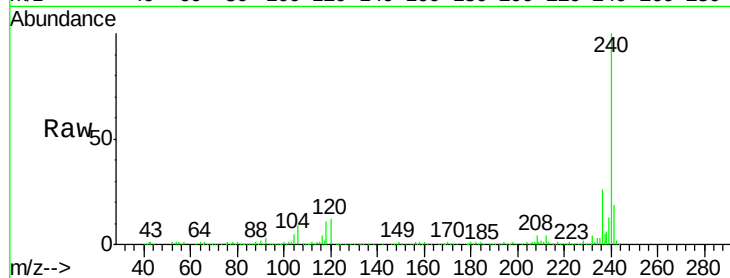
Tgt Ion:240 Resp: 221666

Ion Ratio Lower Upper

240 100

120 12.4 6.8 10.2#

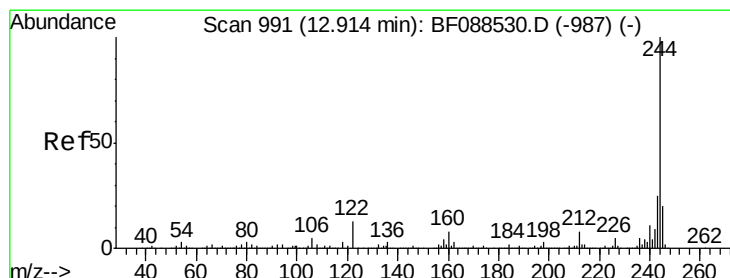
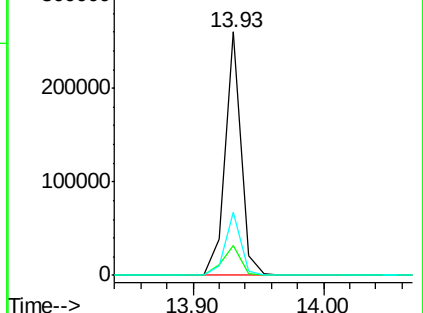
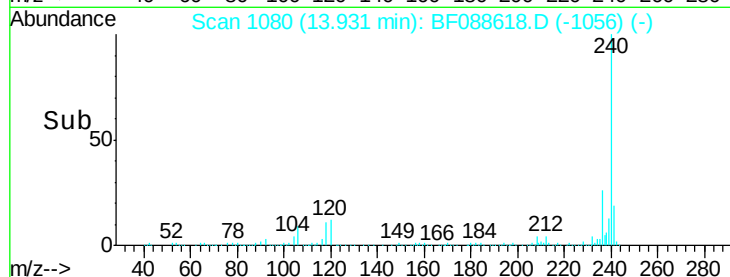
236 25.7 20.2 30.2



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: 52.95 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF088618.D

Acq: 2 Jul 2016 15:42

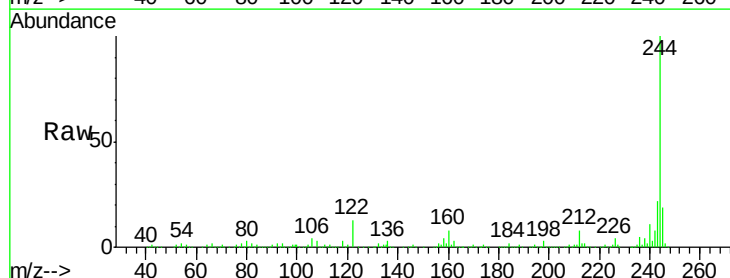
Tgt Ion:244 Resp: 526993

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

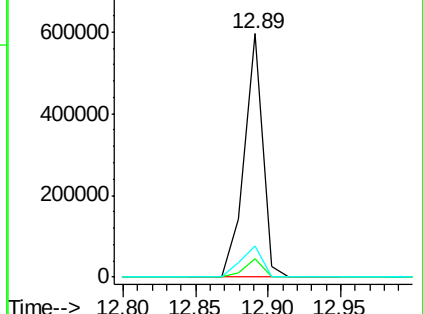
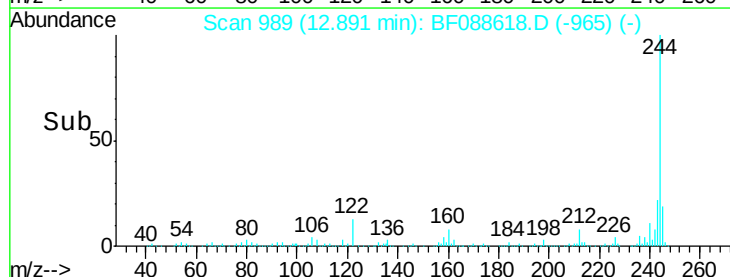
122 12.9 11.2 16.8



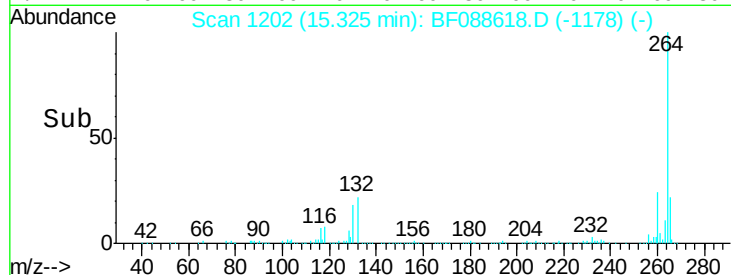
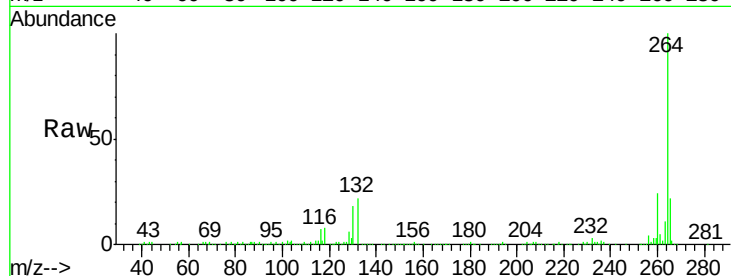
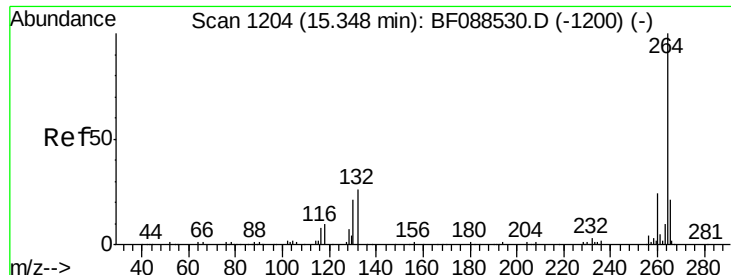
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.33 min Scan# 1202  
Delta R.T. -0.02 min  
Lab File: BF088618.D  
Acq: 2 Jul 2016 15:42

Instrument :  
BNA\_F  
ClientSampleId :  
R5-B6(0-11)C

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 239295 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.1  | 19.2  | 28.8   |
| 265       | 21.8  | 16.9  | 25.3   |

