

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090415\  
 Data File : BE090737.D  
 Acq On : 4 Sep 2015 19:40  
 Operator : UM/IZ  
 Sample : G3562-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 090215-D534-F-D-S

Quant Time: Sep 07 01:09:03 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 02 11:40:50 2015  
 Response via : Initial Calibration

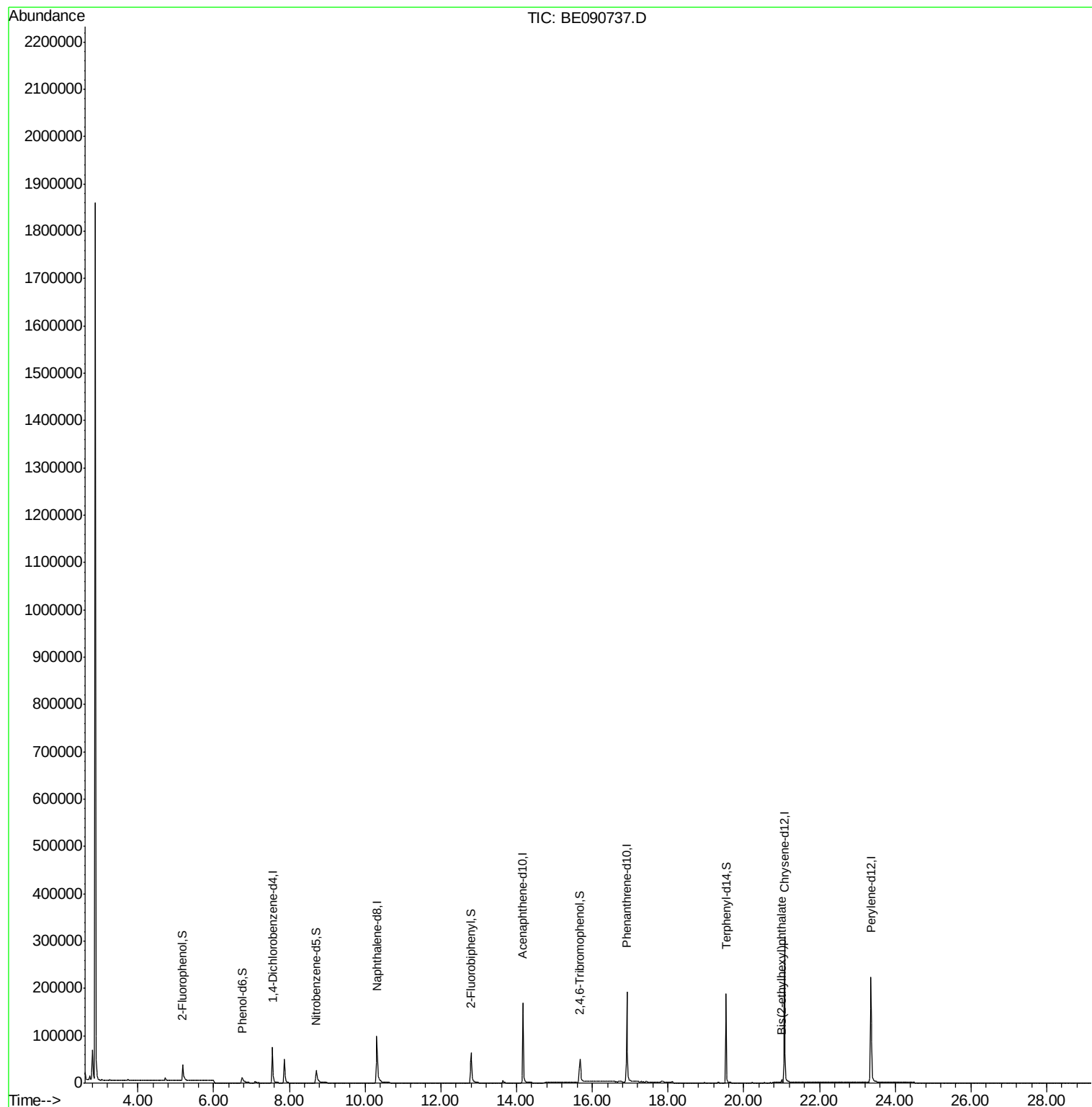
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min)       |
|--------------------------------|-------|------|----------|------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.55  | 152  | 43771    | 5.00 | ng    | 0.00           |
| 6) Naphthalene-d8              | 10.31 | 136  | 188393   | 5.00 | ng    | 0.00           |
| 12) Acenaphthene-d10           | 14.17 | 164  | 102045   | 5.00 | ng    | 0.00           |
| 18) Phenanthrene-d10           | 16.91 | 188  | 256301   | 5.00 | ng    | 0.00           |
| 25) Chrysene-d12               | 21.07 | 240  | 328161   | 5.00 | ng    | 0.00           |
| 32) Perylene-d12               | 23.36 | 264  | 307646   | 5.00 | ng    | 0.00           |
| System Monitoring Compounds    |       |      |          |      |       |                |
| 4) 2-Fluorophenol              | 5.18  | 112  | 34366    | 4.04 | ng    | 0.00           |
| 5) Phenol-d6                   | 6.75  | 99   | 28052    | 2.30 | ng    | 0.00           |
| 7) Nitrobenzene-d5             | 8.71  | 82   | 47683    | 3.83 | ng    | 0.00           |
| 13) 2,4,6-Tribromophenol       | 15.67 | 330  | 27482    | 9.15 | ng    | 0.00           |
| 14) 2-Fluorobiphenyl           | 12.80 | 172  | 100162   | 3.54 | ng    | 0.00           |
| 27) Terphenyl-d14              | 19.53 | 244  | 195186   | 5.38 | ng    | -0.01          |
| Target Compounds               |       |      |          |      |       |                |
| 30) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 5682     | 0.36 | ng    | Qvalue<br># 98 |

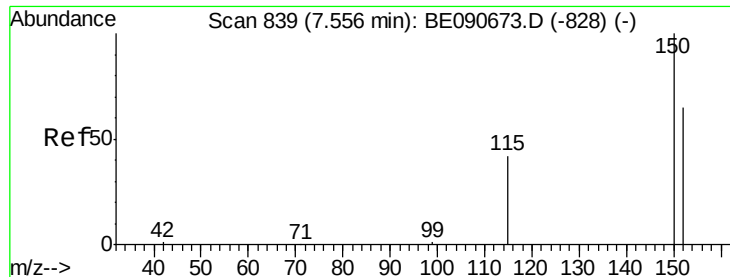
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 07 01:09:03 2015  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 02 11:40:50 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090737.D

Acq: 4 Sep 2015 19:40

Instrument :

BNA\_E

ClientSampleId :

090215-D534-F-D-S

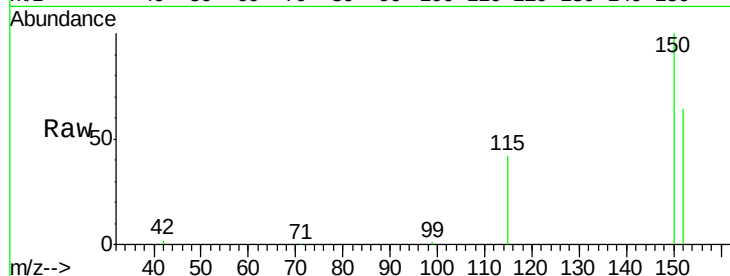
Tot Ion:152 Resp: 43771

Ion Ratio Lower Upper

152 100

150 156.3 122.2 183.4

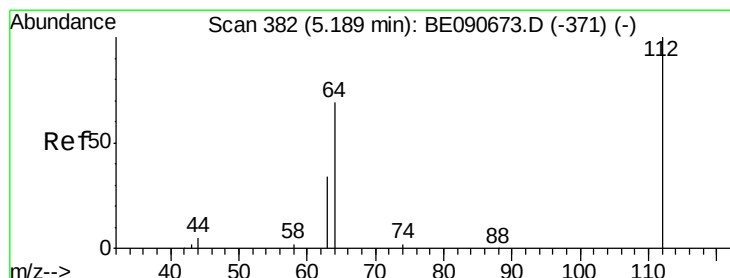
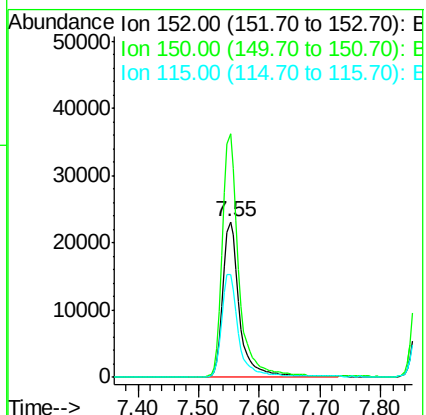
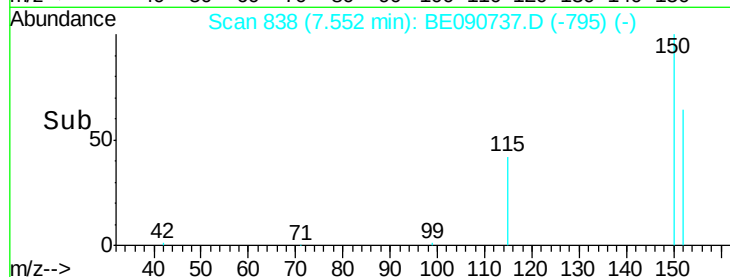
115 66.2 51.0 76.4



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



#4

2-Fluorophenol

Concen: 4.04 ng

RT: 5.18 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE090737.D

Acq: 4 Sep 2015 19:40

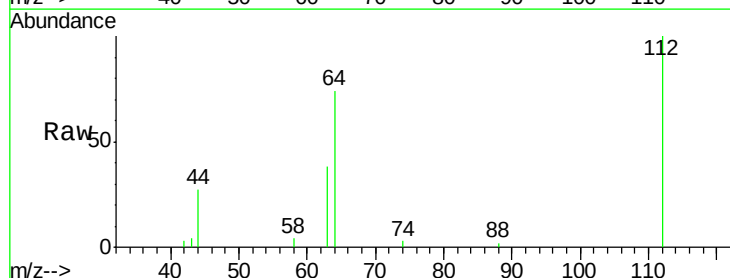
Tgt Ion:112 Resp: 34366

Ion Ratio Lower Upper

112 100

64 71.8 57.3 85.9

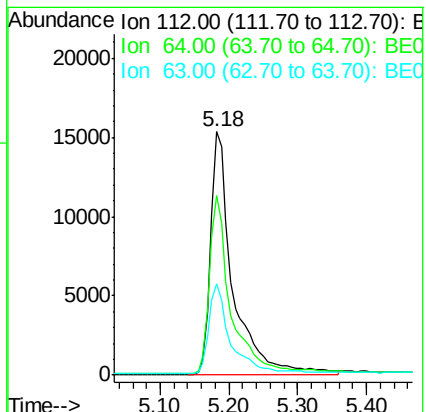
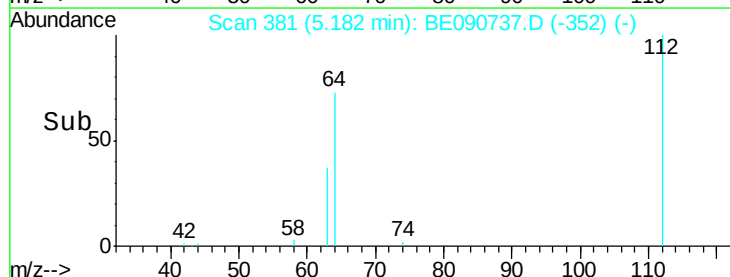
63 36.7 29.2 43.8

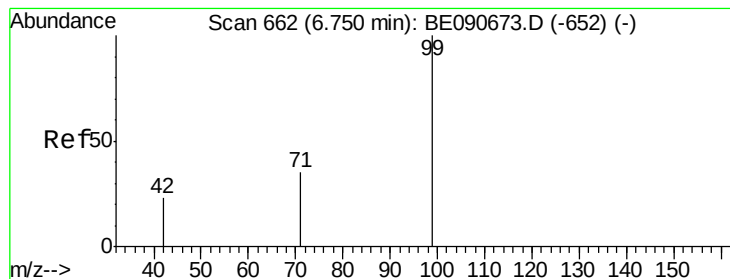


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.30 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090737.D

Acq: 4 Sep 2015 19:40

Instrument :

BNA\_E

ClientSampleId :

090215-D534-F-D-S

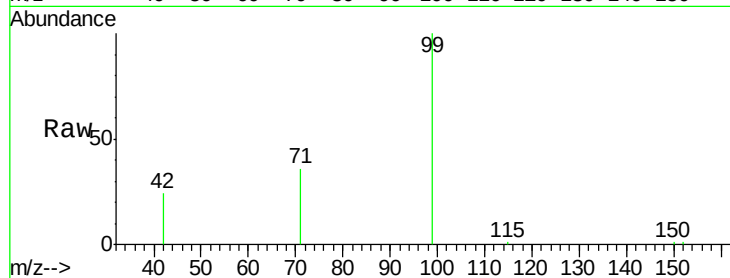
Tot Ion: 99 Resp: 28052

Ion Ratio Lower Upper

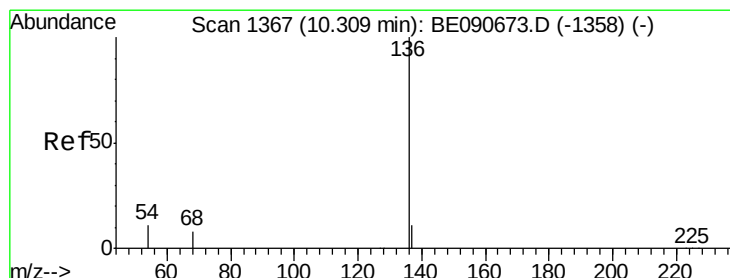
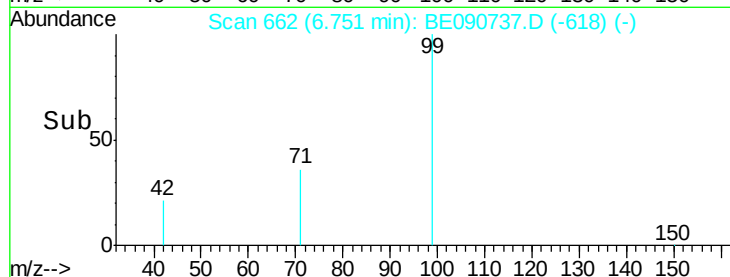
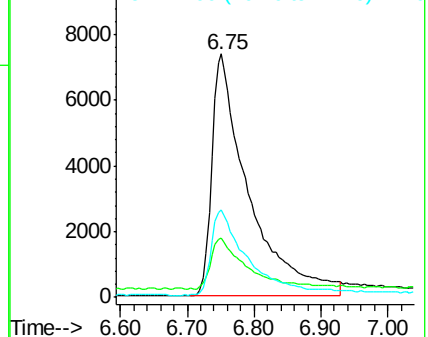
99 100

42 21.2 16.8 25.2

71 35.6 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BE0  
Ion 42.00 (41.70 to 42.70): BE0  
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090737.D

Acq: 4 Sep 2015 19:40

Tgt Ion: 136 Resp: 188393

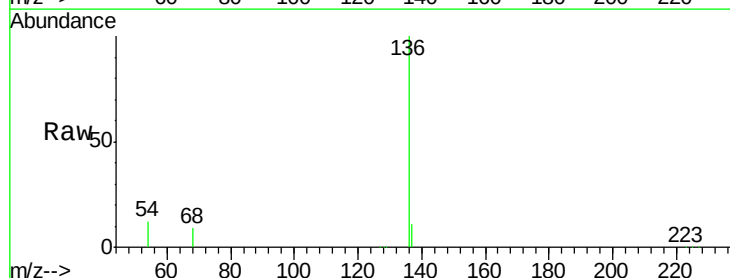
Ion Ratio Lower Upper

136 100

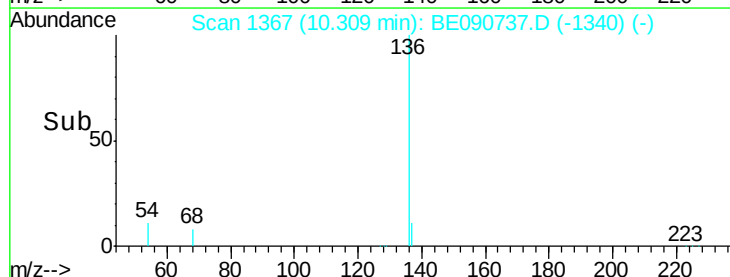
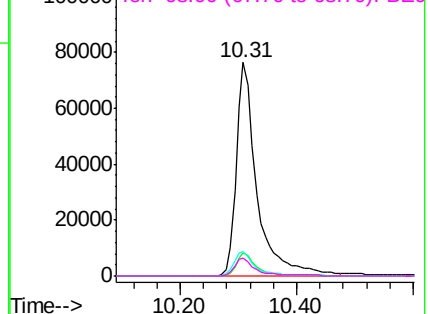
137 10.9 8.7 13.1

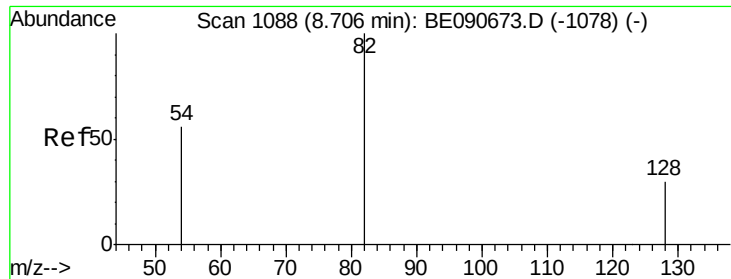
54 11.5 9.0 13.6

68 8.5 6.3 9.5



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): BE0  
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.83 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090737.D

Acq: 4 Sep 2015 19:40

Instrument :

BNA\_E

ClientSampleId :

090215-D534-F-D-S

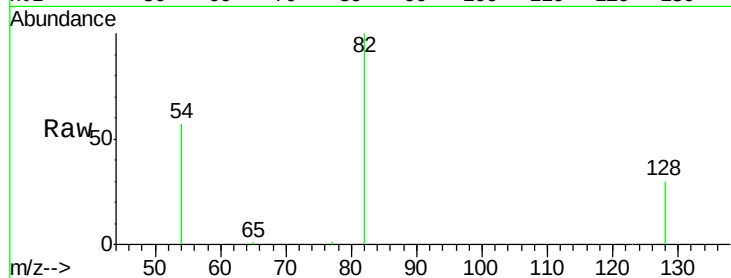
Tot Ion: 82 Resp: 47683

Ion Ratio Lower Upper

82 100

128 30.1 25.0 37.4

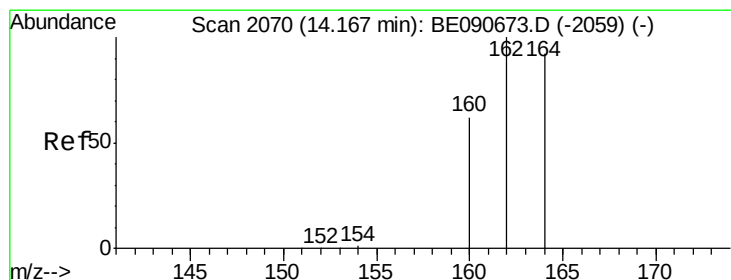
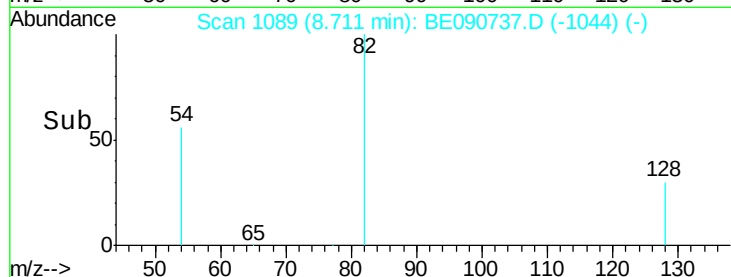
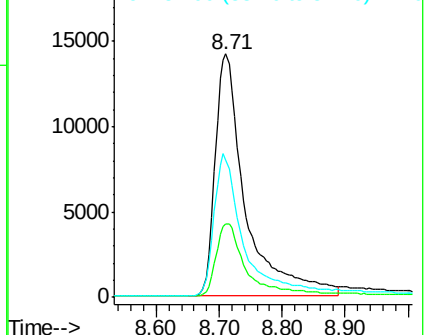
54 56.6 46.3 69.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BE090737.D

Acq: 4 Sep 2015 19:40

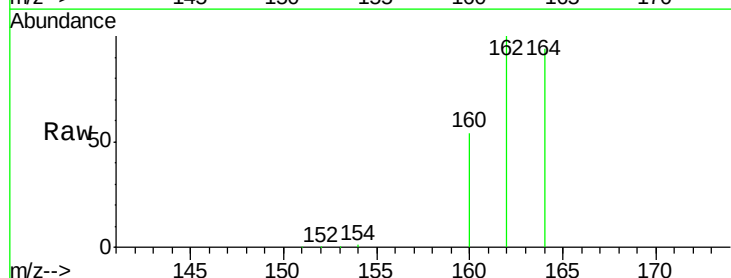
Tgt Ion: 164 Resp: 102045

Ion Ratio Lower Upper

164 100

162 105.8 86.8 130.2

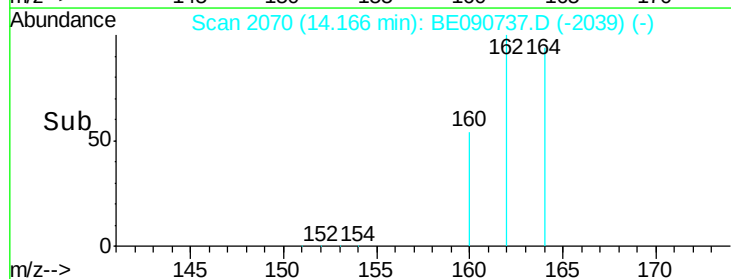
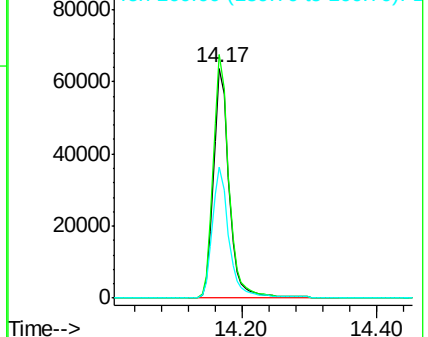
160 57.0 53.9 80.9

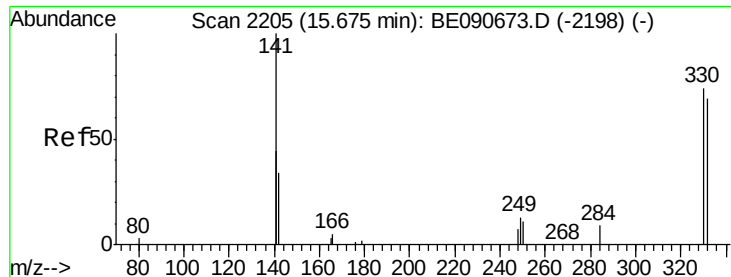


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

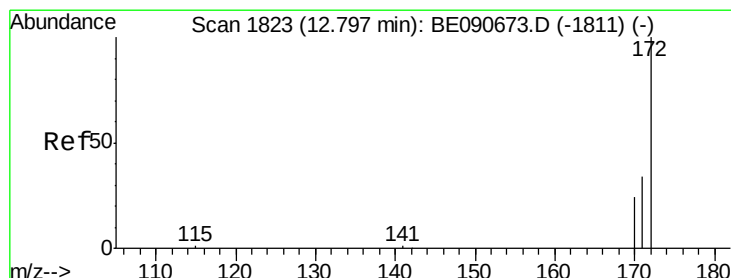
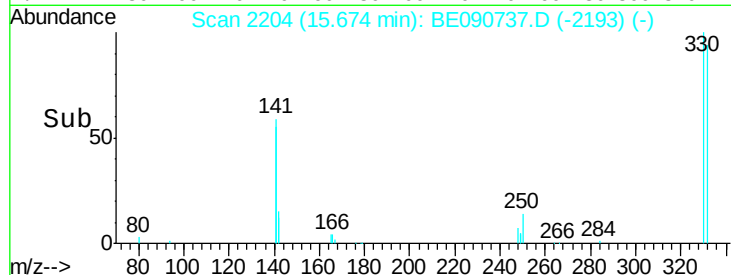
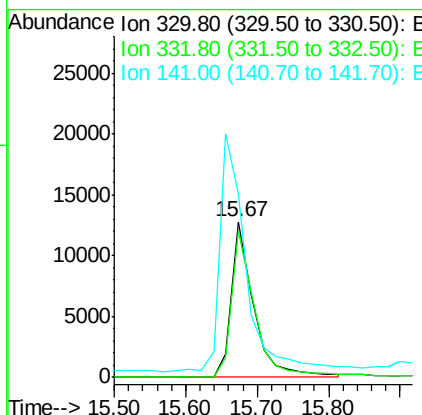
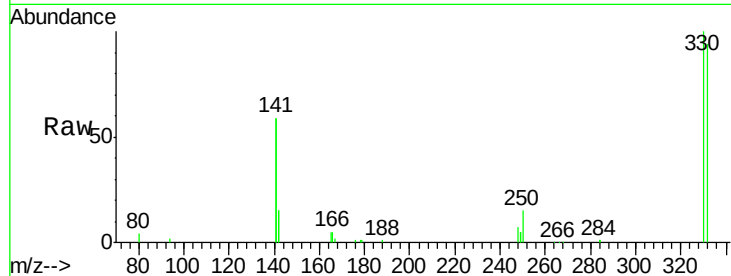




#13  
 2,4,6-Tribromophenol  
 Concen: 9.15 ng  
 RT: 15.67 min Scan# 2204  
 Delta R.T. -0.00 min  
 Lab File: BE090737.D  
 Acq: 4 Sep 2015 19:40

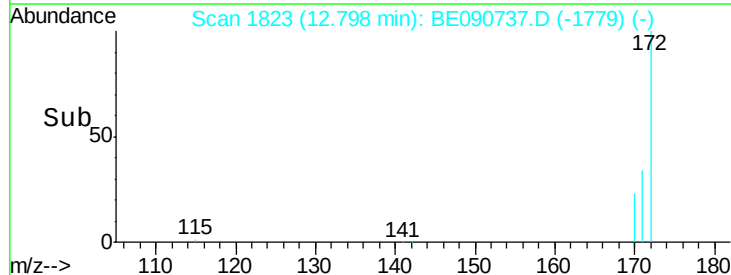
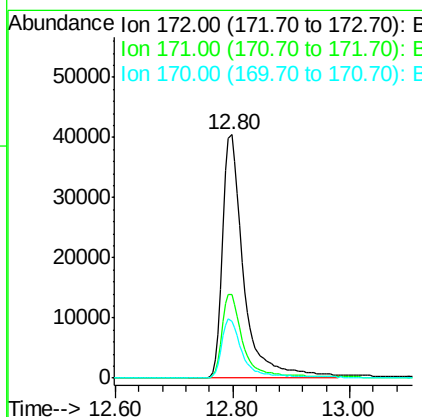
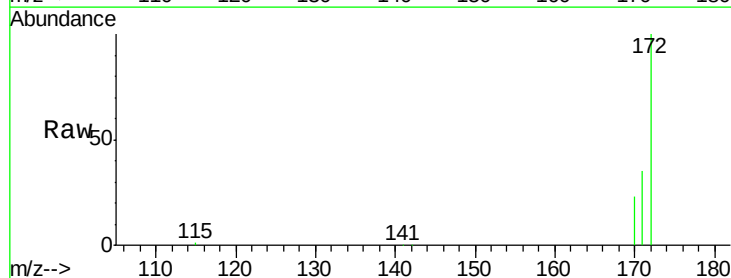
Instrument :  
 BNA\_E  
 ClientSampleId :  
 090215-D534-F-D-S

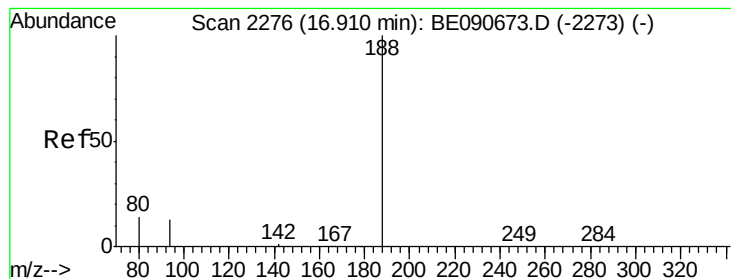
Tot Ion:330 Resp: 27482  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 74.9 112.3  
 141 178.3 145.2 217.8



#14  
 2-Fluorobiphenyl  
 Concen: 3.54 ng  
 RT: 12.80 min Scan# 1823  
 Delta R.T. 0.00 min  
 Lab File: BE090737.D  
 Acq: 4 Sep 2015 19:40

Tgt Ion:172 Resp: 100162  
 Ion Ratio Lower Upper  
 172 100  
 171 34.5 27.8 41.8  
 170 23.5 19.8 29.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BE090737.D

Acq: 4 Sep 2015 19:40

Instrument :

BNA\_E

ClientSampleId :

090215-D534-F-D-S

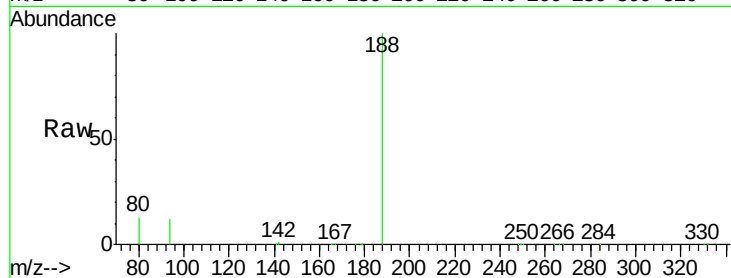
Tot Ion:188 Resp: 256301

Ion Ratio Lower Upper

188 100

94 11.9 10.3 15.5

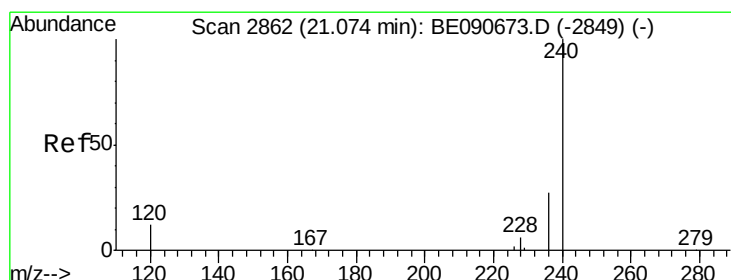
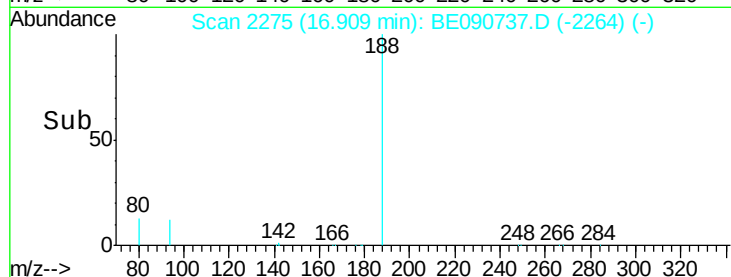
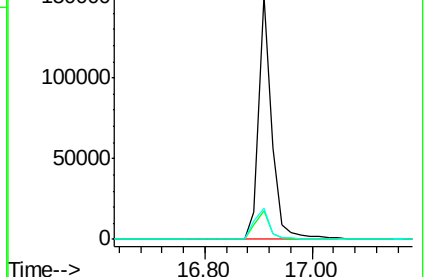
80 12.9 11.0 16.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BE090737.D

Acq: 4 Sep 2015 19:40

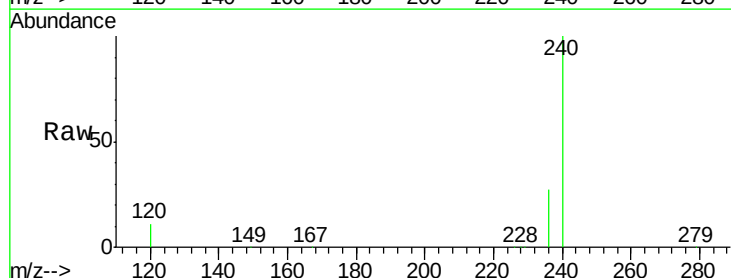
Tgt Ion:240 Resp: 328161

Ion Ratio Lower Upper

240 100

120 10.8 10.1 15.1

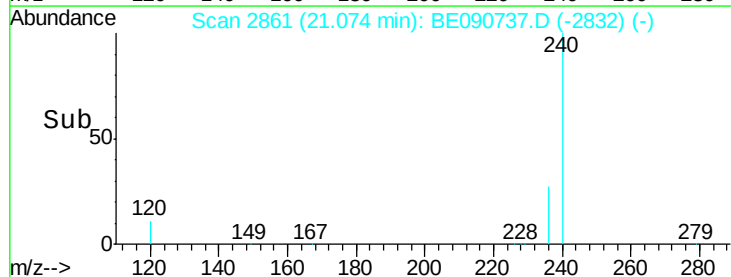
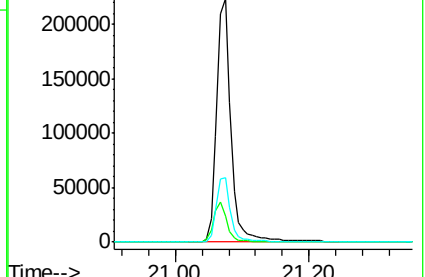
236 26.7 21.9 32.9

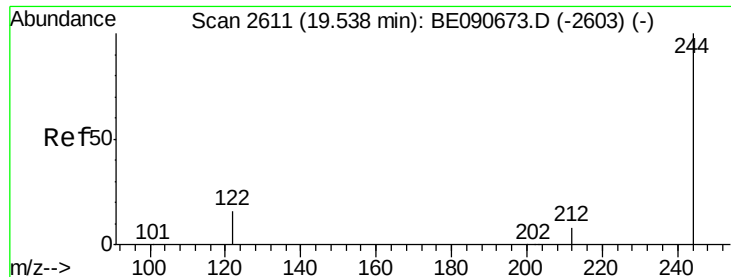


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

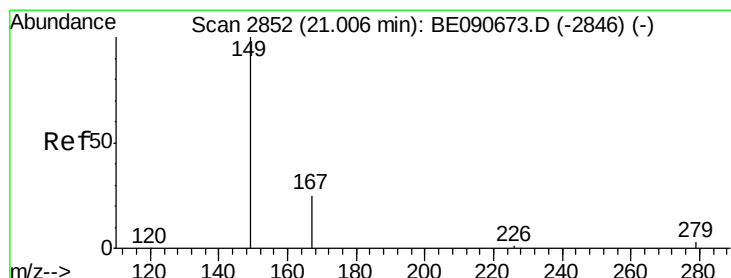
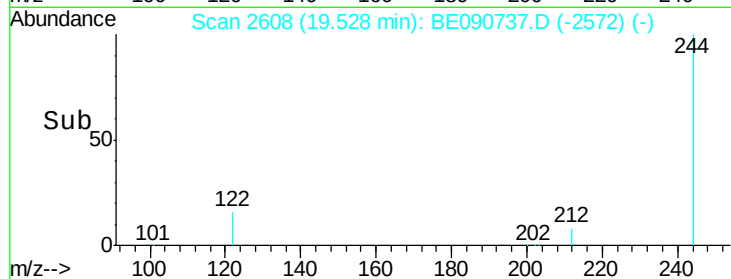
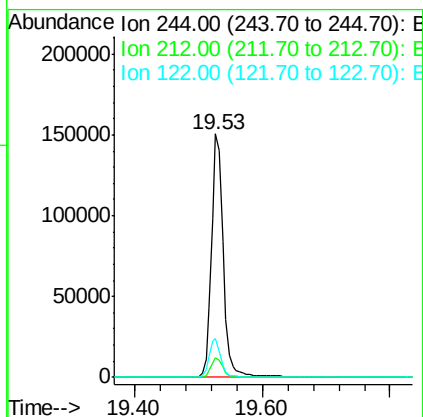
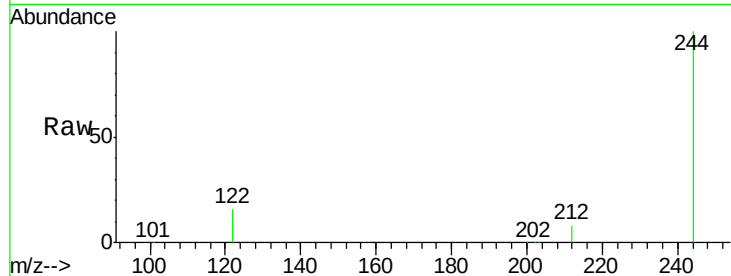




#27  
 Terphenyl-d14  
 Concen: 5.38 ng  
 RT: 19.53 min Scan# 2608  
 Delta R.T. -0.01 min  
 Lab File: BE090737.D  
 Acq: 4 Sep 2015 19:40

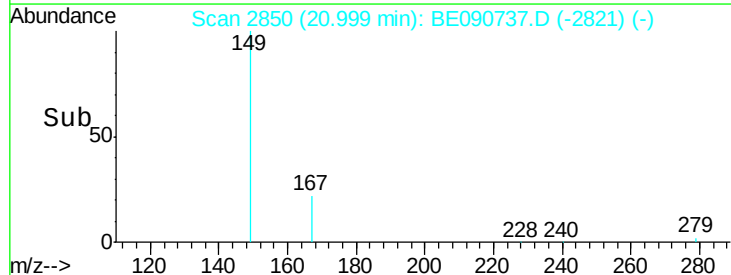
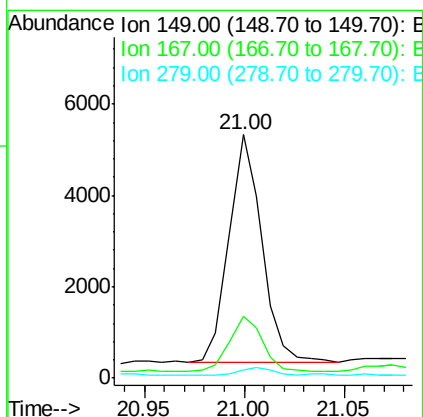
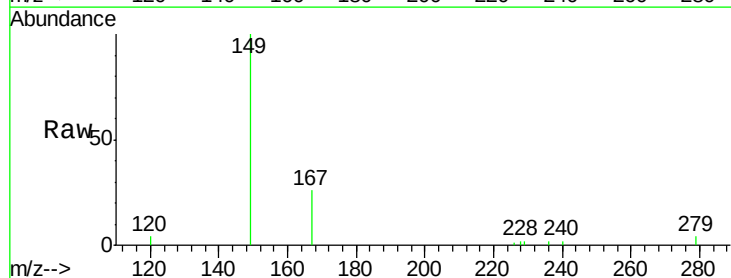
Instrument :  
 BNA\_E  
 ClientSampleId :  
 090215-D534-F-D-S

Tot Ion:244 Resp: 195186  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.9 10.3  
 122 15.8 12.9 19.3

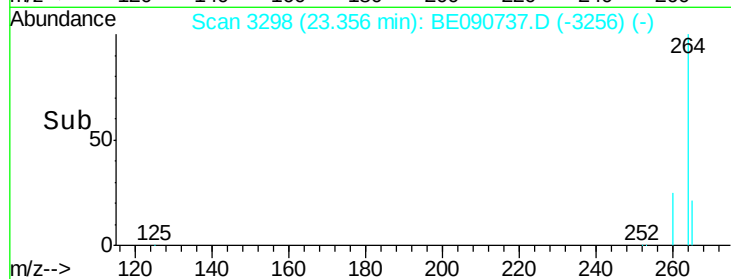
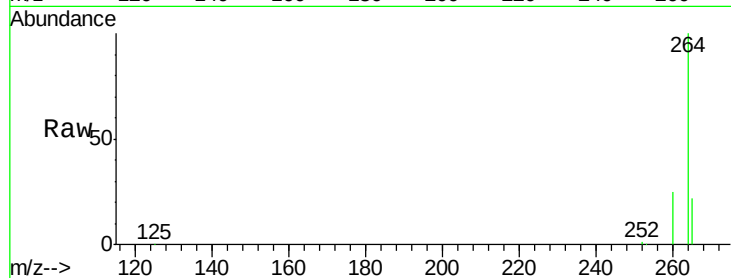
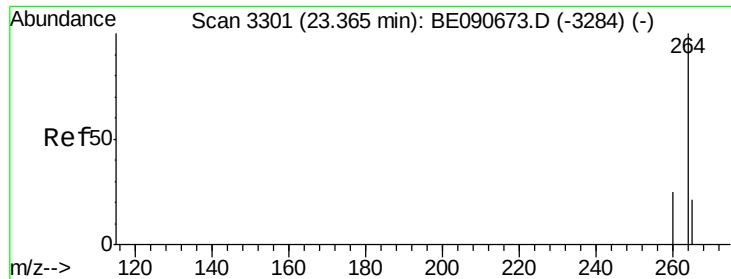


#30  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.36 ng  
 RT: 21.00 min Scan# 2850  
 Delta R.T. -0.01 min  
 Lab File: BE090737.D  
 Acq: 4 Sep 2015 19:40

Tgt Ion:149 Resp: 5682  
 Ion Ratio Lower Upper  
 149 100  
 167 24.2 20.1 30.1  
 279 3.6 2.3 3.5#







#32  
Pervlene-d12  
Concen: 5.00 ng  
RT: 23.36 min Scan# 3298  
Delta R.T. -0.01 min  
Lab File: BE090737.D  
Acq: 4 Sep 2015 19:40

Instrument :  
BNA\_E  
ClientSampleId :  
090215-D534-F-D-S

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 307646 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.9  | 19.7  | 29.5   |
| 265       | 21.6  | 17.5  | 26.3   |

