

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081315\  
 Data File : BE090509.D  
 Acq On : 13 Aug 2015 20:38  
 Operator : UM/IZ  
 Sample : G3280-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 081215-D534-F-D-S

Quant Time: Aug 14 04:57:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 06 12:28:08 2015  
 Response via : Initial Calibration

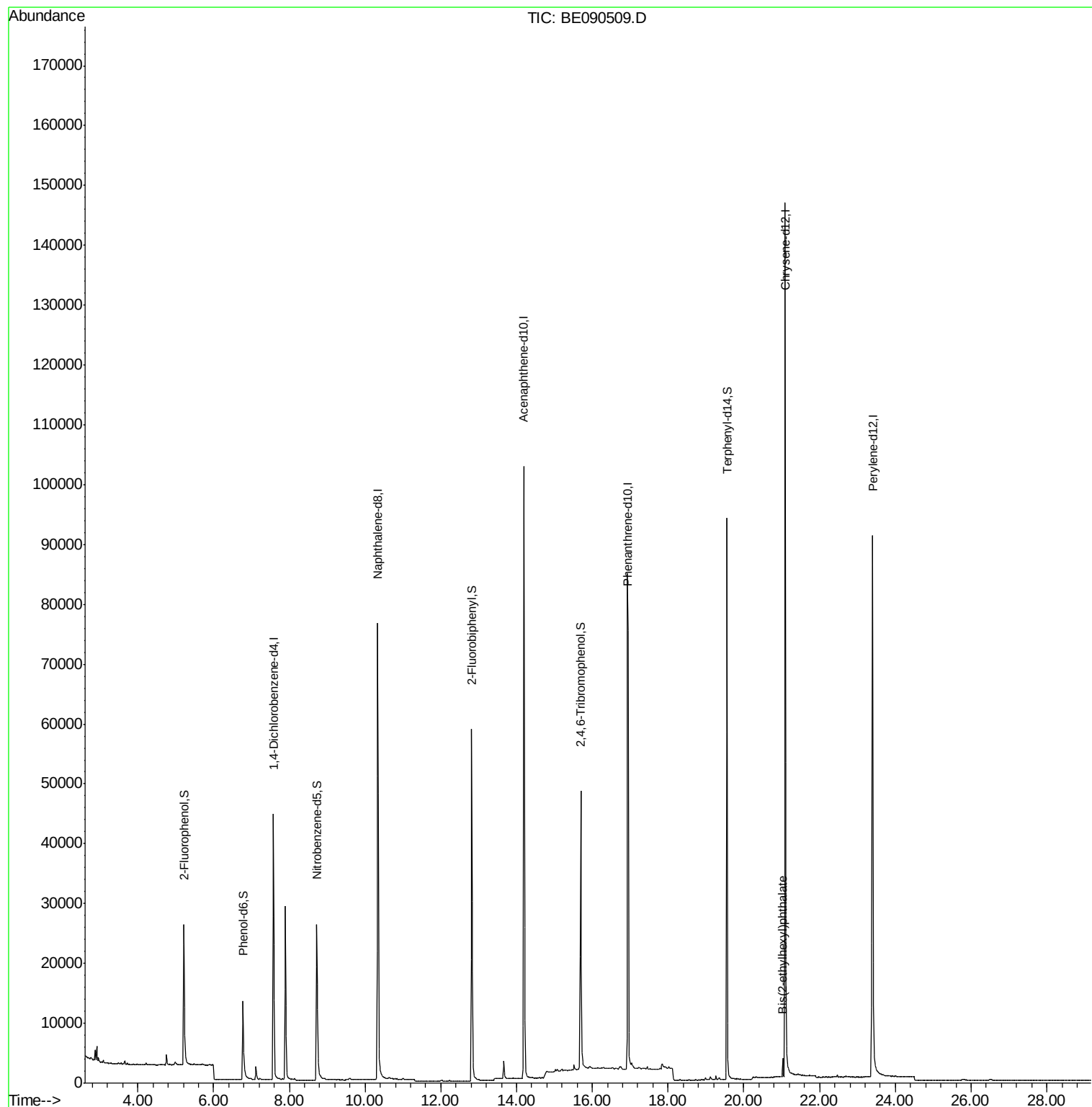
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min)     |
|--------------------------------|-------|------|----------|------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.58  | 152  | 22631    | 5.00 | ng    | 0.00         |
| 6) Naphthalene-d8              | 10.33 | 136  | 113870   | 5.00 | ng    | 0.00         |
| 12) Acenaphthene-d10           | 14.19 | 164  | 62585    | 5.00 | ng    | 0.00         |
| 18) Phenanthrene-d10           | 16.94 | 188  | 138044   | 5.00 | ng    | 0.00         |
| 25) Chrysene-d12               | 21.09 | 240  | 142693   | 5.00 | ng    | 0.00         |
| 32) Perylene-d12               | 23.40 | 264  | 130382   | 5.00 | ng    | 0.00         |
| System Monitoring Compounds    |       |      |          |      |       |              |
| 4) 2-Fluorophenol              | 5.22  | 112  | 20016    | 5.90 | ng    | 0.00         |
| 5) Phenol-d6                   | 6.77  | 99   | 19581    | 2.82 | ng    | 0.00         |
| 7) Nitrobenzene-d5             | 8.72  | 82   | 31145    | 3.43 | ng    | 0.00         |
| 13) 2,4,6-Tribromophenol       | 15.69 | 330  | 21026    | 9.87 | ng    | -0.02        |
| 14) 2-Fluorobiphenyl           | 12.82 | 172  | 63185    | 3.67 | ng    | 0.00         |
| 27) Terphenyl-d14              | 19.56 | 244  | 100089   | 4.76 | ng    | 0.00         |
| Target Compounds               |       |      |          |      |       |              |
| 30) Bis(2-ethylhexyl)phthalate | 21.03 | 149  | 2687     | 0.46 | ng    | Qvalue<br>98 |

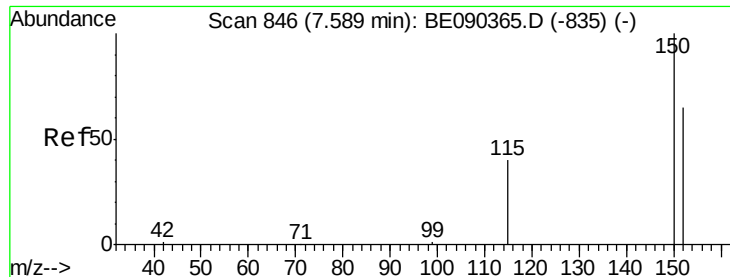
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 06 12:28:08 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA\_E

ClientSampleId :

081215-D534-F-D-S

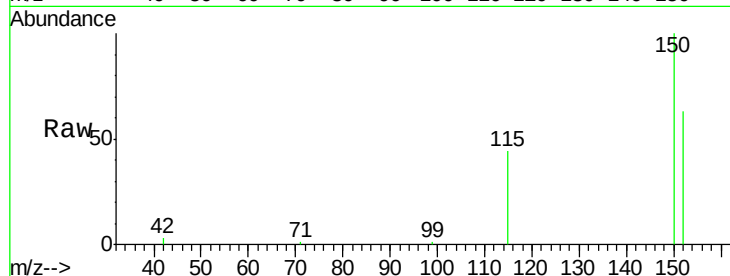
Tgt Ion:152 Resp: 22631

Ion Ratio Lower Upper

152 100

150 158.8 123.0 184.4

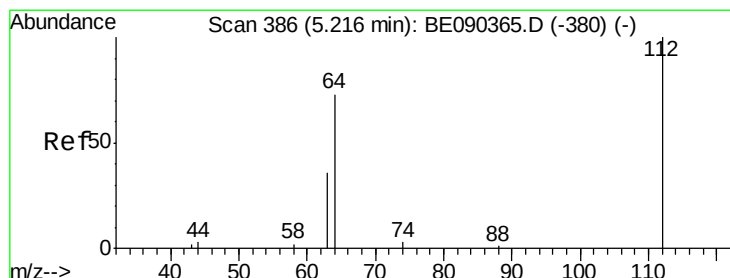
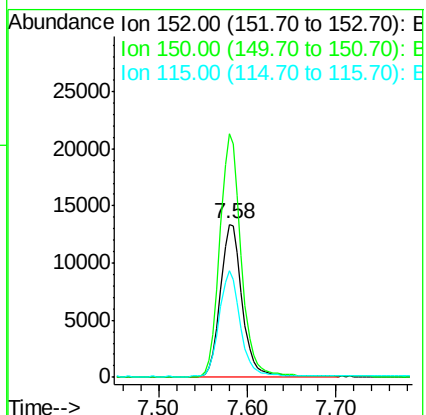
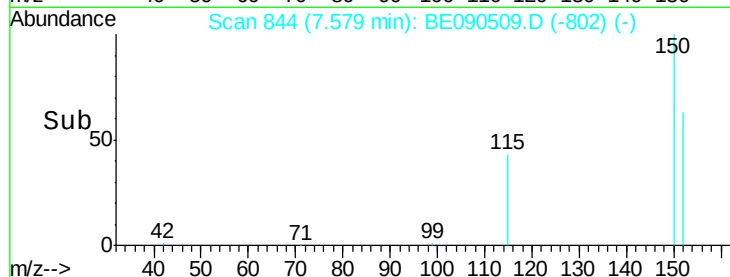
115 69.2 48.9 73.3



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: 5.90 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

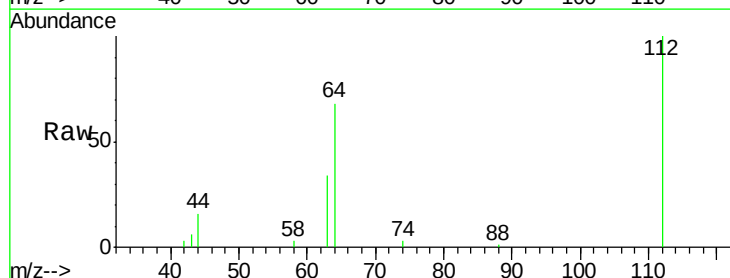
Tgt Ion:112 Resp: 20016

Ion Ratio Lower Upper

112 100

64 69.3 37.1 55.7#

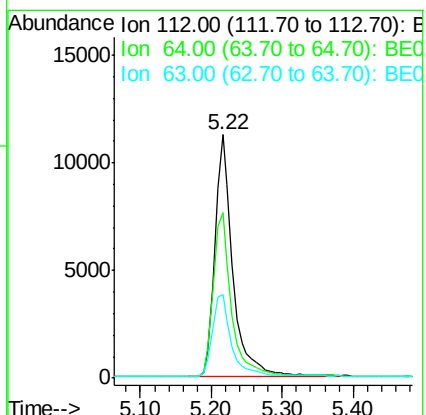
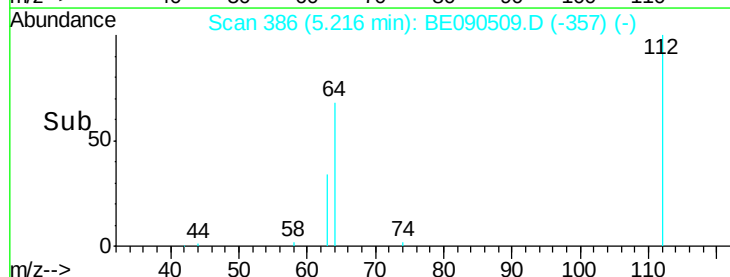
63 35.1 19.5 29.3#

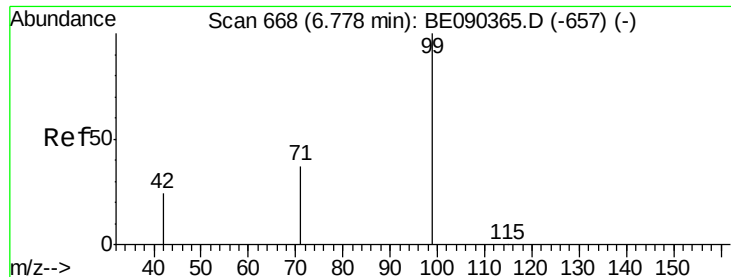


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.82 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA\_E

ClientSampleId :

081215-D534-F-D-S

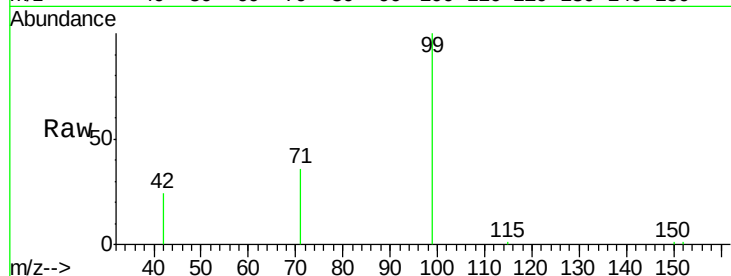
Tgt Ion: 99 Resp: 19581

Ion Ratio Lower Upper

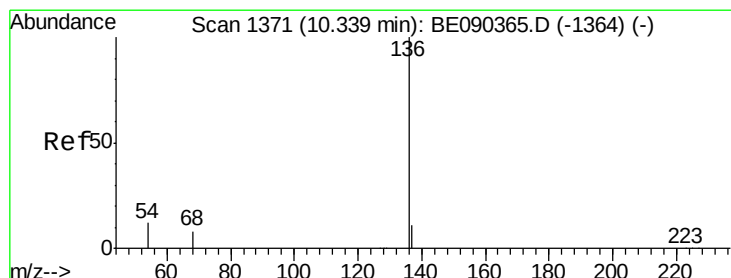
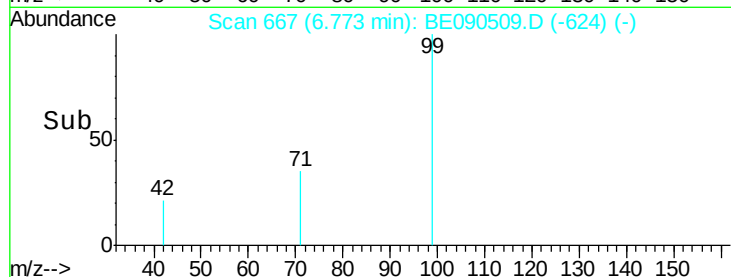
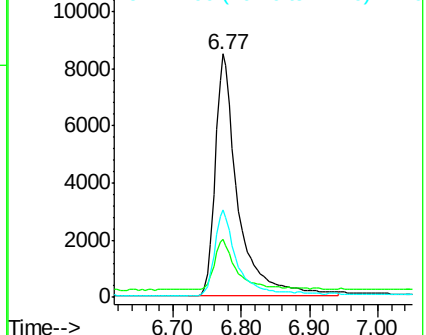
99 100

42 19.7 18.2 27.4

71 35.3 27.4 41.0



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: 10.33 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Tgt Ion: 136 Resp: 113870

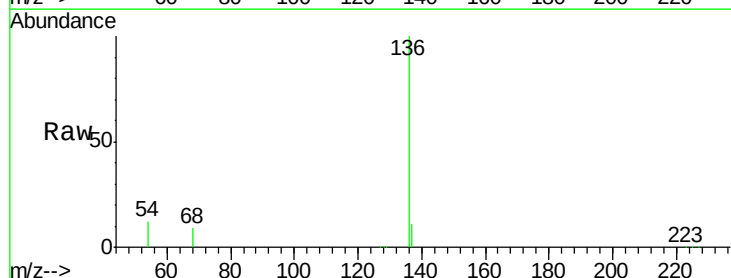
Ion Ratio Lower Upper

136 100

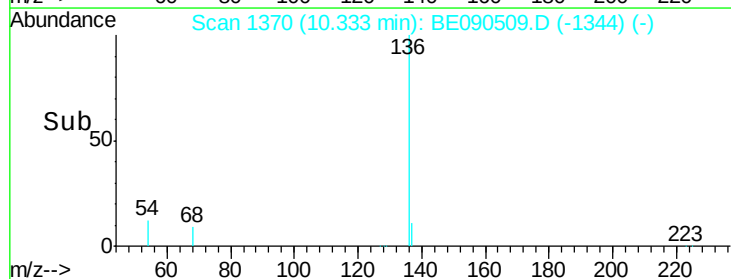
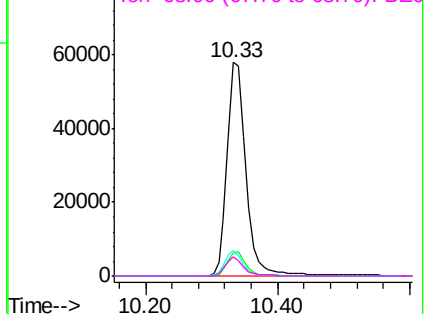
137 10.9 8.7 13.1

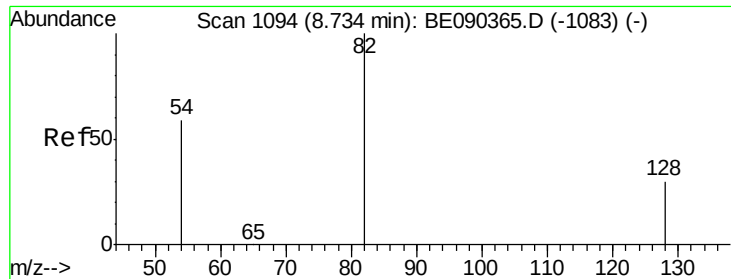
54 11.9 9.4 14.0

68 8.7 6.5 9.7



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: 3.43 ng

RT: 8.72 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA\_E

ClientSampleId :

081215-D534-F-D-S

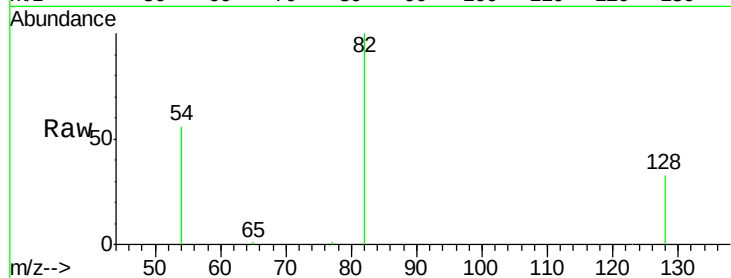
Tgt Ion: 82 Resp: 31145

Ion Ratio Lower Upper

82 100

128 33.1 25.0 37.6

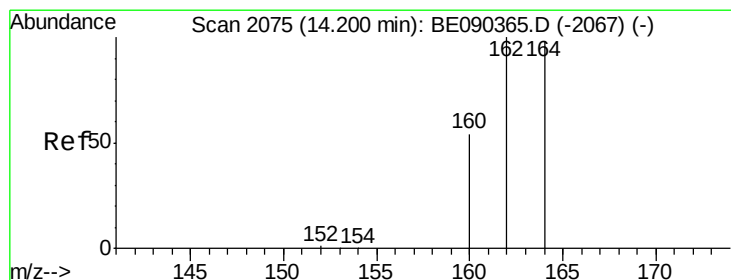
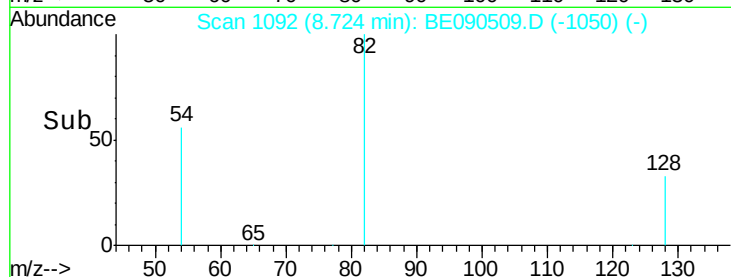
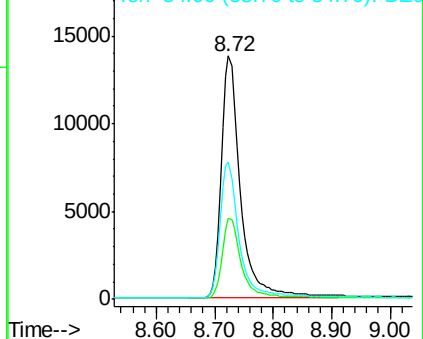
54 56.3 48.8 73.2



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: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

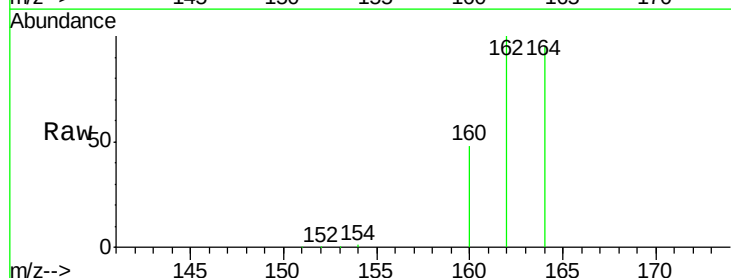
Tgt Ion: 164 Resp: 62585

Ion Ratio Lower Upper

164 100

162 105.8 81.8 122.8

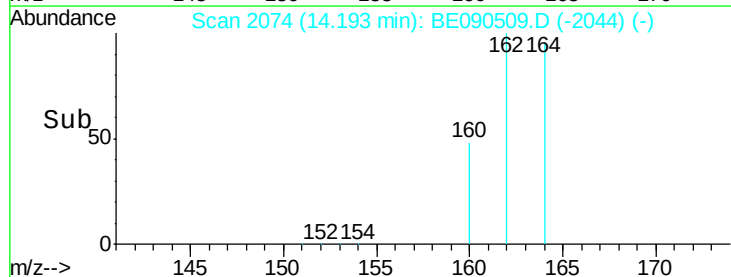
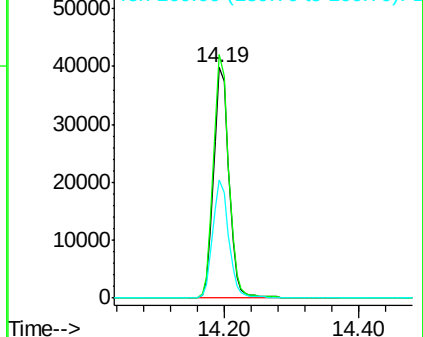
160 51.2 44.2 66.4

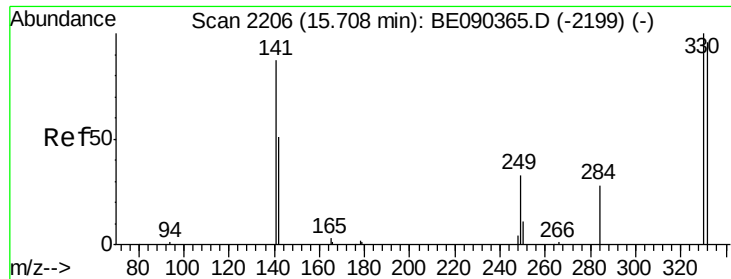


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

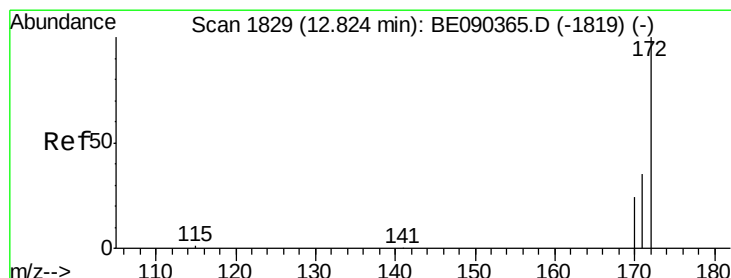
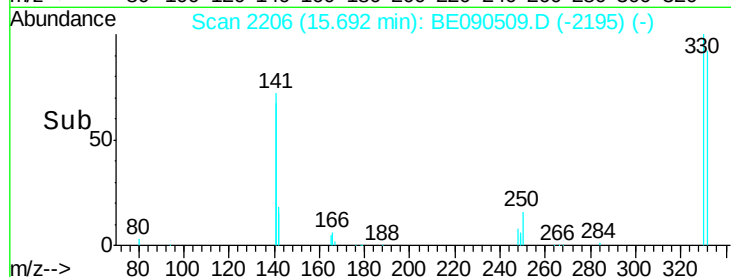
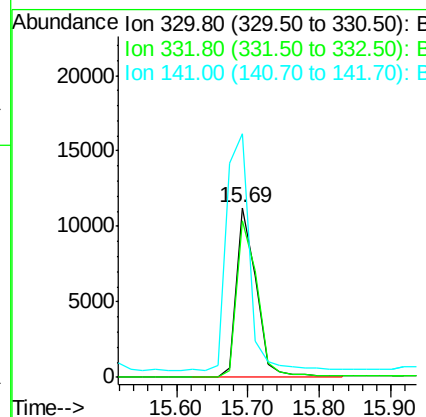
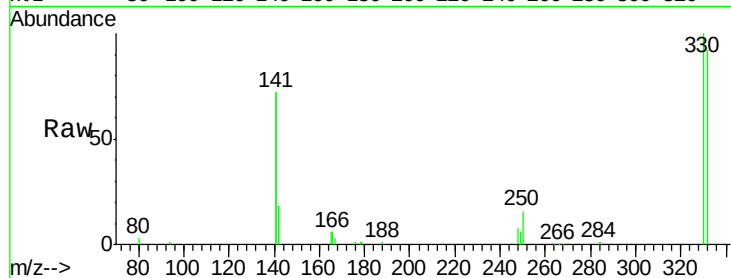




#13  
 2,4,6-Tribromophenol  
 Concen: 9.87 ng  
 RT: 15.69 min Scan# 2206  
 Delta R.T. -0.02 min  
 Lab File: BE090509.D  
 Acq: 13 Aug 2015 20:38

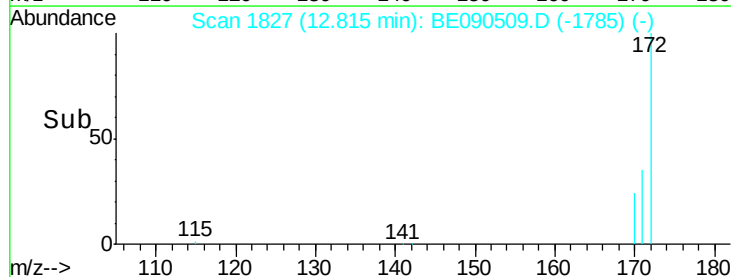
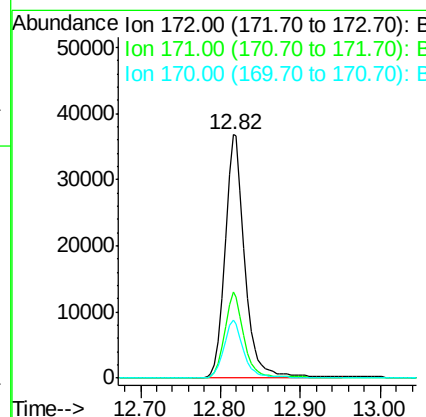
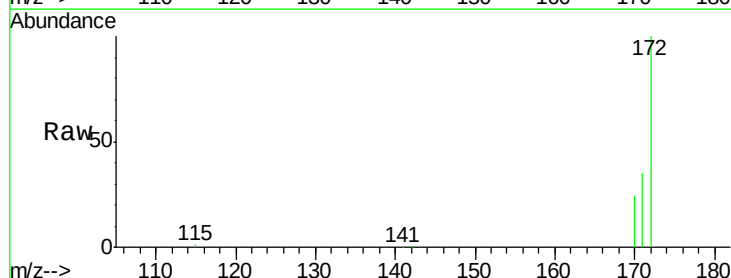
Instrument :  
 BNA\_E  
 ClientSampleId :  
 081215-D534-F-D-S

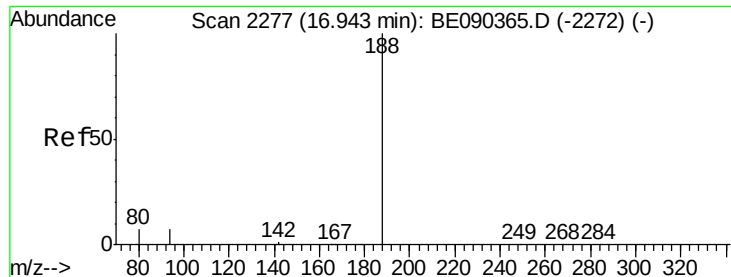
Tgt Ion: 330 Resp: 21026  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 75.8 113.6  
 141 167.9 114.4 171.6



#14  
 2-Fluorobiphenyl  
 Concen: 3.67 ng  
 RT: 12.82 min Scan# 1827  
 Delta R.T. -0.01 min  
 Lab File: BE090509.D  
 Acq: 13 Aug 2015 20:38

Tgt Ion: 172 Resp: 63185  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 28.5 42.7  
 170 23.8 19.8 29.8





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA\_E

ClientSampleId :

081215-D534-F-D-S

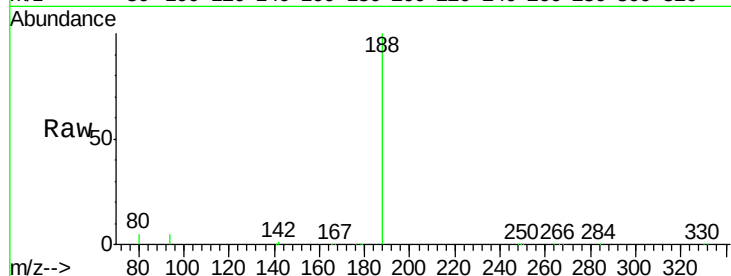
Tgt Ion:188 Resp: 138044

Ion Ratio Lower Upper

188 100

94 5.4 5.7 8.5#

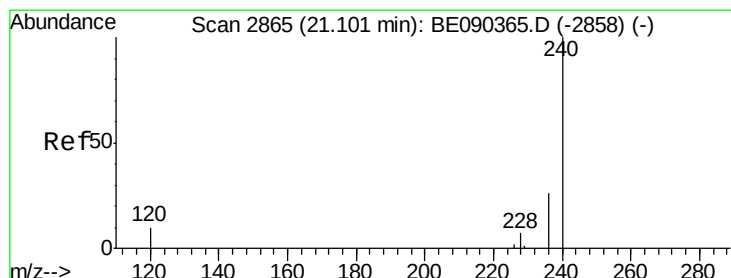
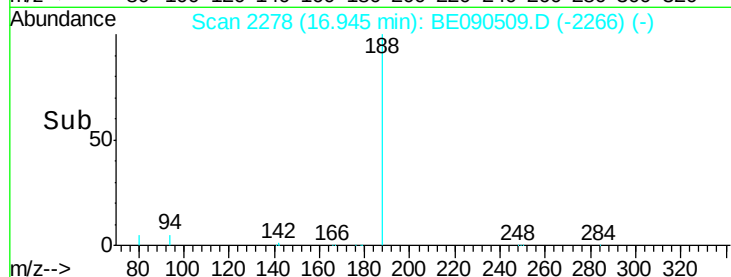
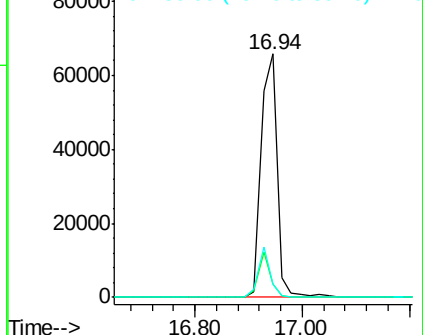
80 5.4 5.8 8.8#



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: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

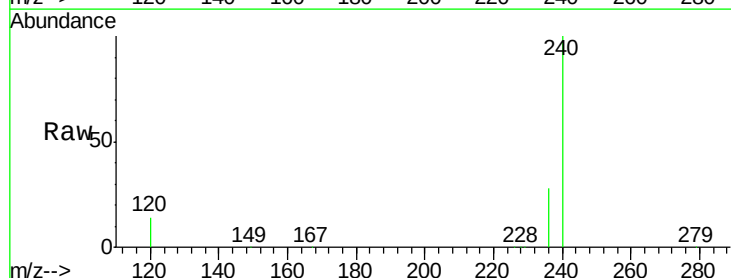
Tgt Ion:240 Resp: 142693

Ion Ratio Lower Upper

240 100

120 14.4 8.3 12.5#

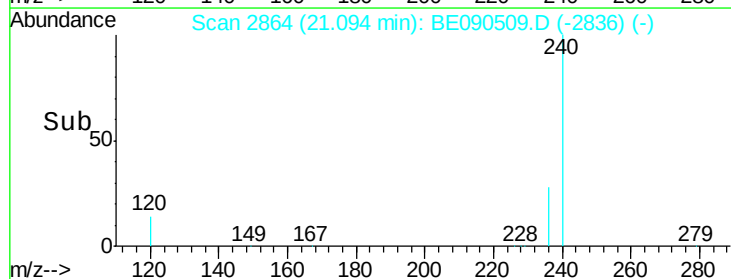
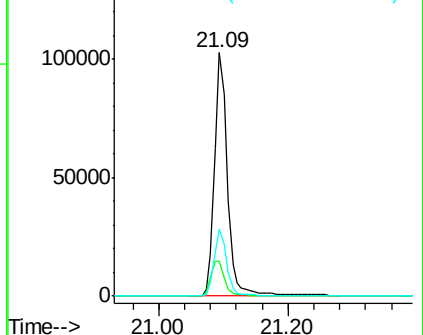
236 27.6 21.0 31.4

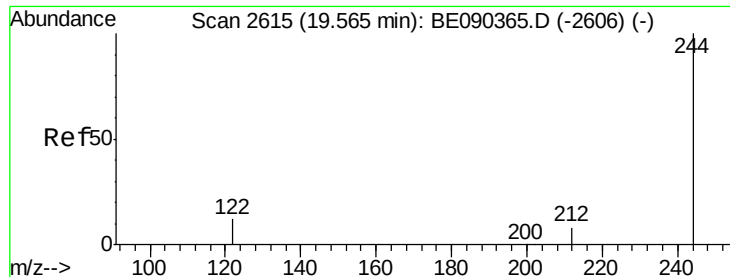


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 4.76 ng

RT: 19.56 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

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ClientSampleId :

081215-D534-F-D-S

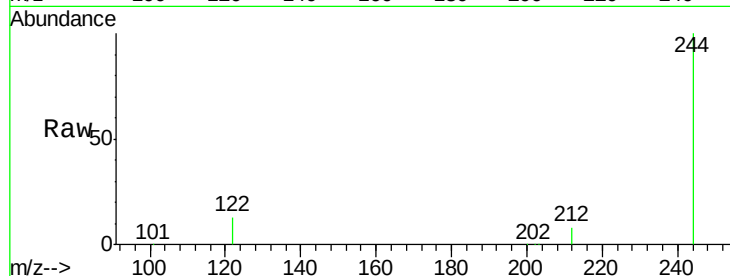
Tgt Ion:244 Resp: 100089

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

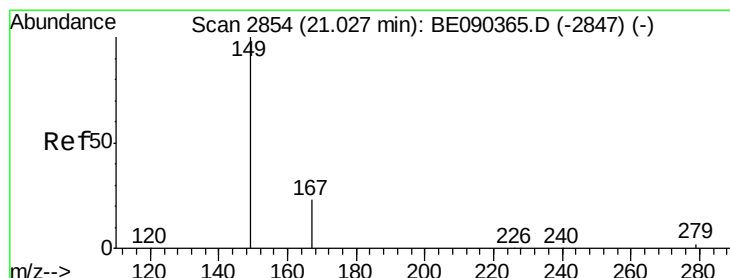
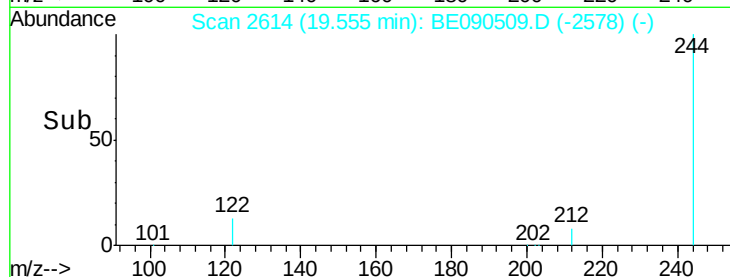
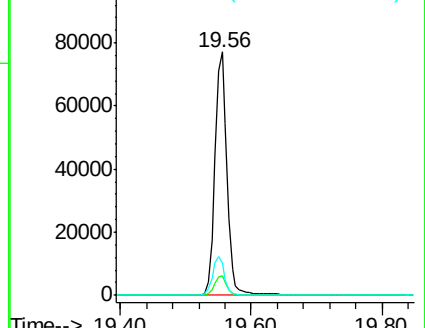
122 13.2 10.2 15.4



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.46 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

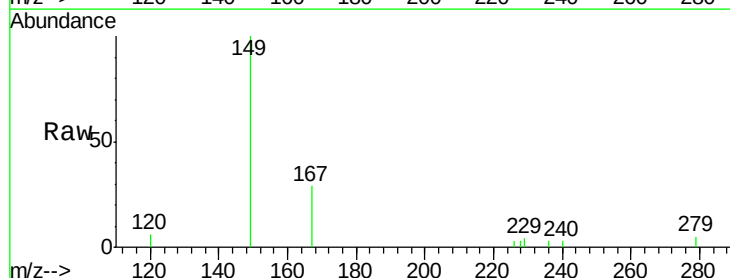
Tgt Ion:149 Resp: 2687

Ion Ratio Lower Upper

149 100

167 25.9 19.8 29.8

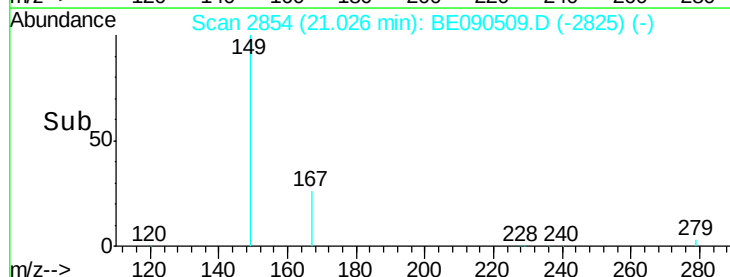
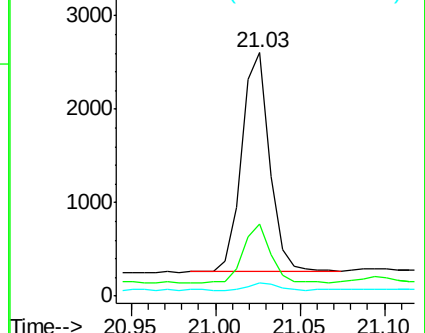
279 3.6 2.4 3.6



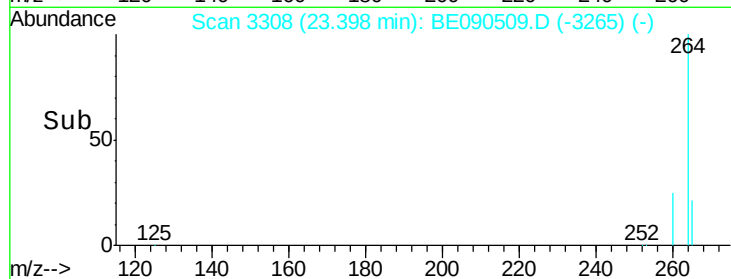
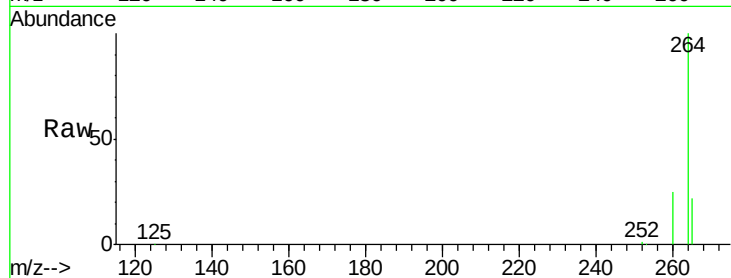
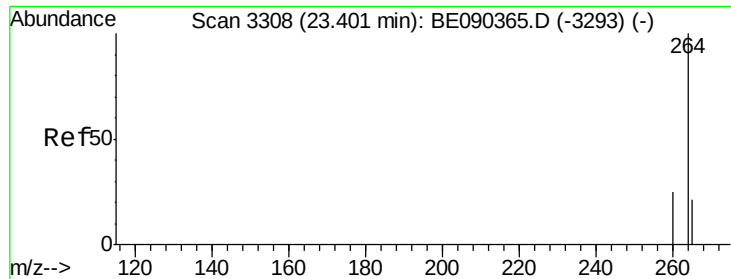
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E







#32  
Perylene-d12  
Concen: 5.00 ng  
RT: 23.40 min Scan# 3308  
Delta R.T. -0.00 min  
Lab File: BE090509.D  
Acq: 13 Aug 2015 20:38

Instrument :  
BNA\_E  
ClientSampleId :  
081215-D534-F-D-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 20.1  | 30.1  |
| 265     | 21.9  | 17.2  | 25.8  |

