

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072216\  
 Data File : BF089213.D  
 Acq On : 23 Jul 2016 1:39  
 Operator : UM/SJ  
 Sample : H4154-08  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GCF-NW-2

Quant Time: Jul 23 02:29:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 20 19:03:15 2016  
 Response via : Initial Calibration

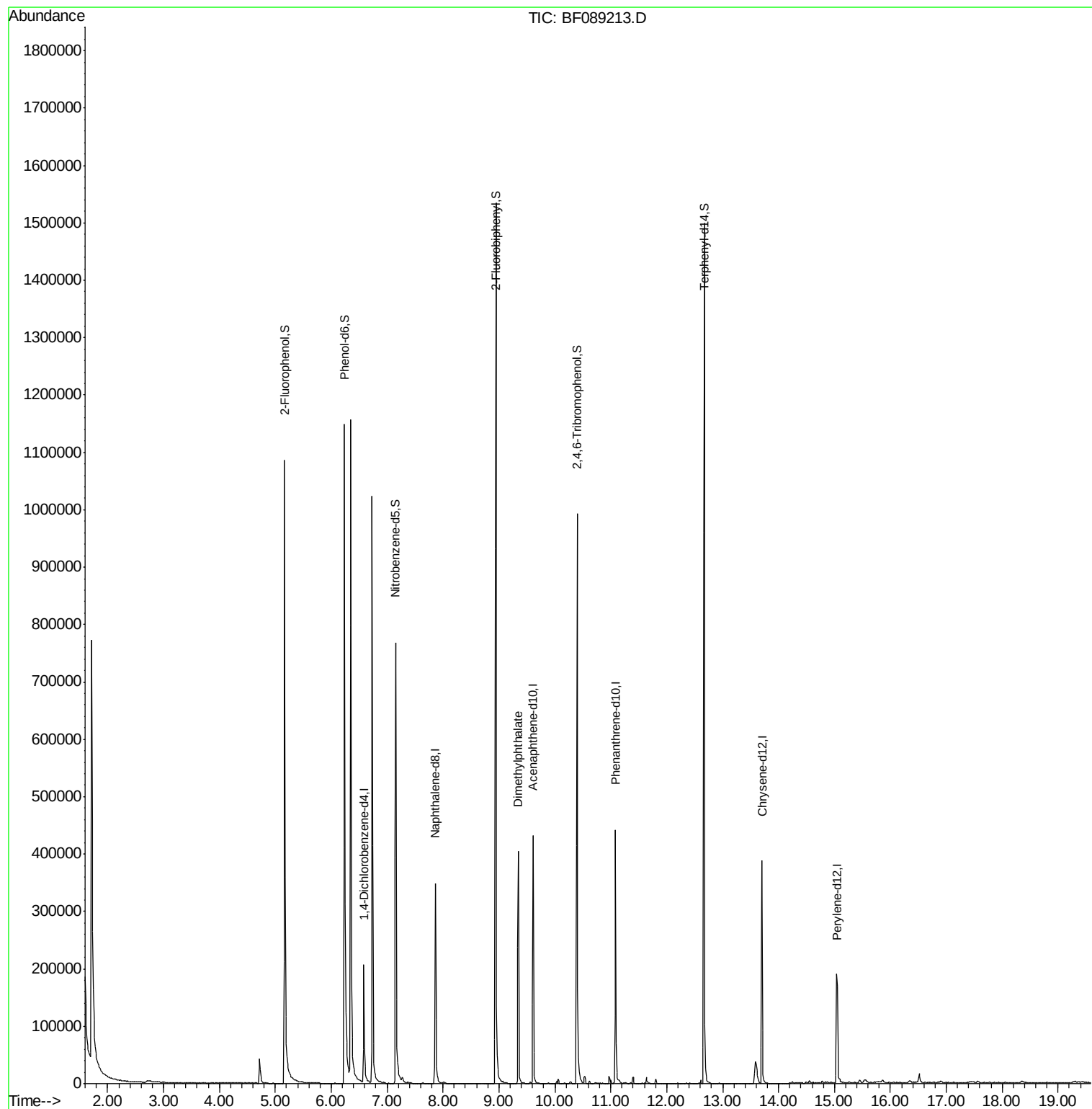
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.58  | 152  | 46283    | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 7.86  | 136  | 202535   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 9.61  | 164  | 98931    | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 11.08 | 188  | 194856   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 13.70 | 240  | 144613   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 15.05 | 264  | 109400   | 20.00  | ng    | -0.02        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.16  | 112  | 413901   | 136.01 | ng    | -0.02        |
| 7) Phenol-d6                | 6.24  | 99   | 565632   | 144.13 | ng    | -0.03        |
| 23) Nitrobenzene-d5         | 7.15  | 82   | 376306   | 98.72  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 10.40 | 330  | 121609   | 136.53 | ng    | -0.02        |
| 44) 2-Fluorobiphenyl        | 8.95  | 172  | 669390   | 93.23  | ng    | -0.02        |
| 78) Terphenyl-d14           | 12.67 | 244  | 599321   | 89.89  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.35  | 163  | 231477   | 30.49  | ng    | Qvalue<br>99 |

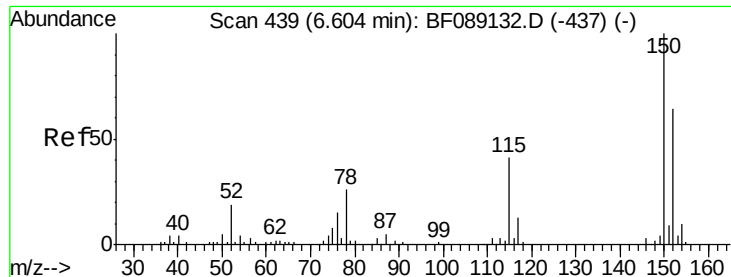
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF089213.D

Acq: 23 Jul 2016 1:39

Instrument :

BNA\_F

ClientSampleId :

GCF-NW-2

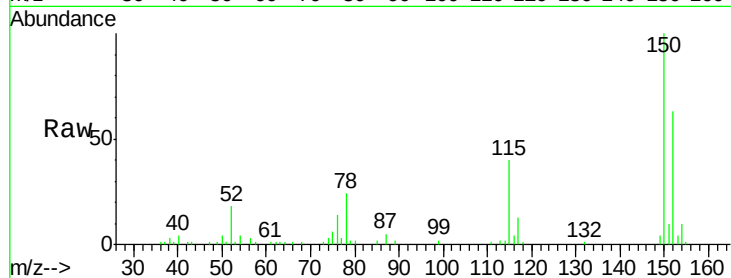
Tgt Ion:152 Resp: 46283

Ion Ratio Lower Upper

152 100

150 157.6 125.1 187.7

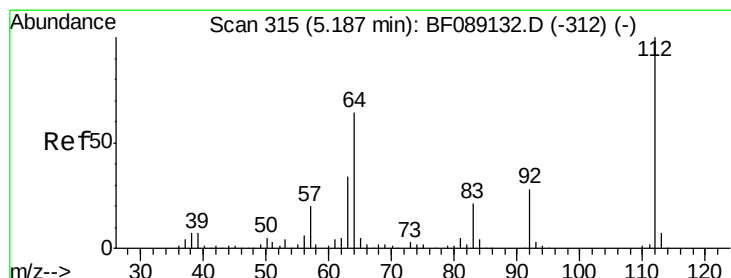
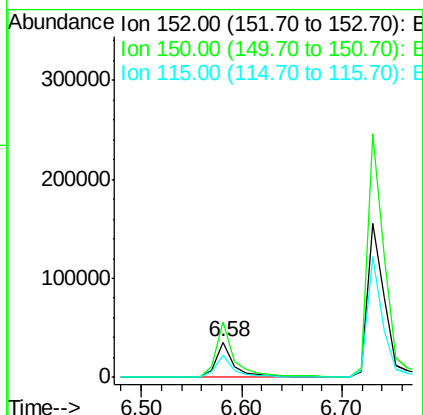
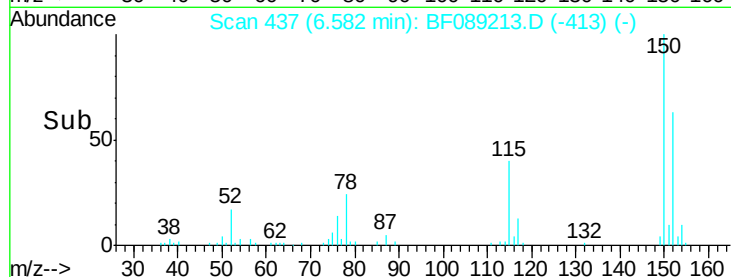
115 62.8 51.1 76.7



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: 136.01 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.02 min

Lab File: BF089213.D

Acq: 23 Jul 2016 1:39

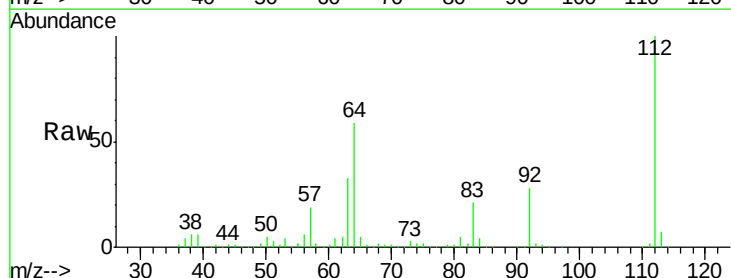
Tgt Ion:112 Resp: 413901

Ion Ratio Lower Upper

112 100

64 59.5 51.0 76.4

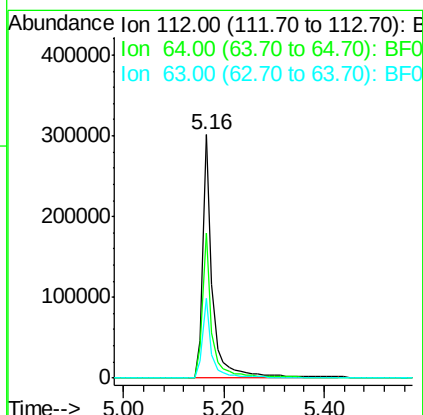
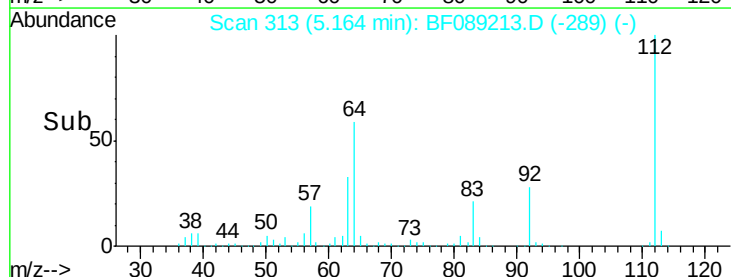
63 32.6 27.3 40.9

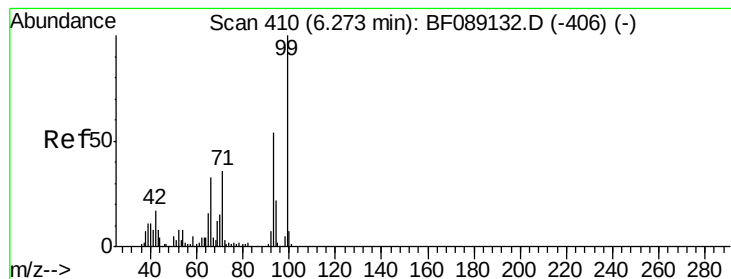


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 144.13 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089213.D

Acq: 23 Jul 2016 1:39

Instrument :

BNA\_F

ClientSampleId :

GCF-NW-2

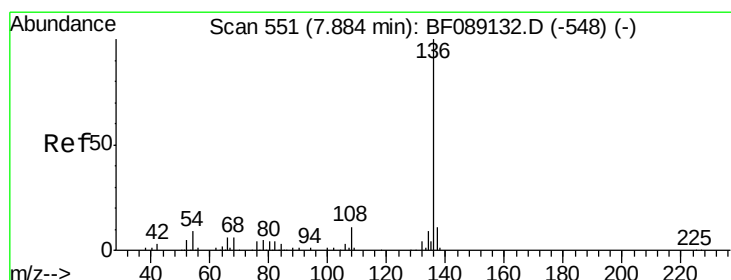
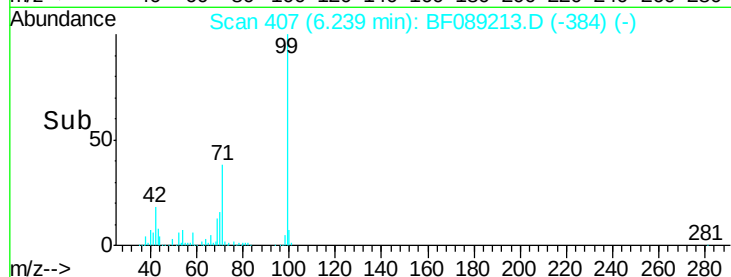
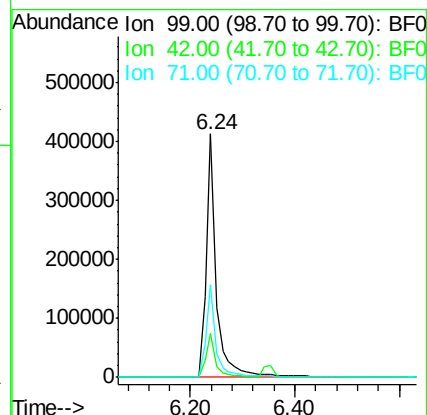
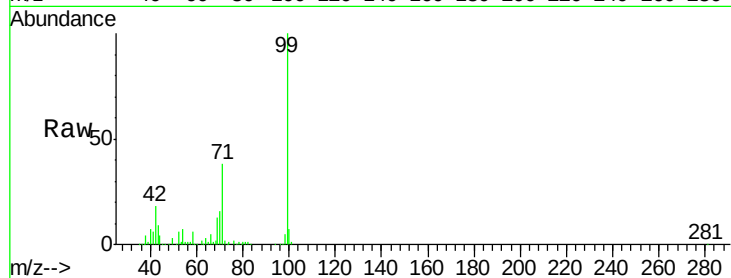
Tgt Ion: 99 Resp: 565632

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

71 37.9 28.9 43.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF089213.D

Acq: 23 Jul 2016 1:39

Tgt Ion: 136 Resp: 202535

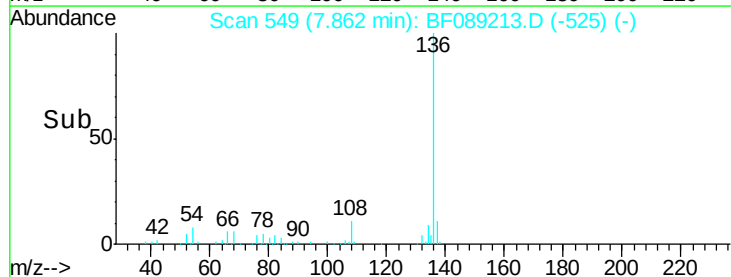
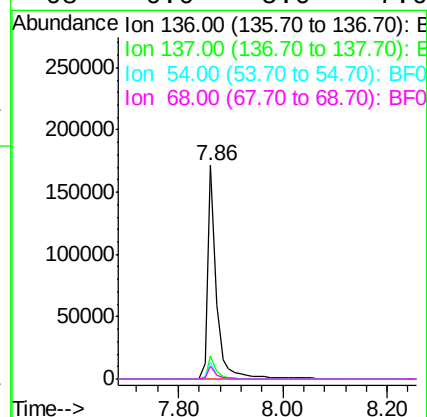
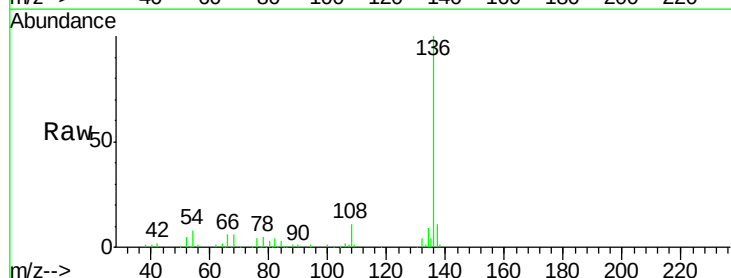
Ion Ratio Lower Upper

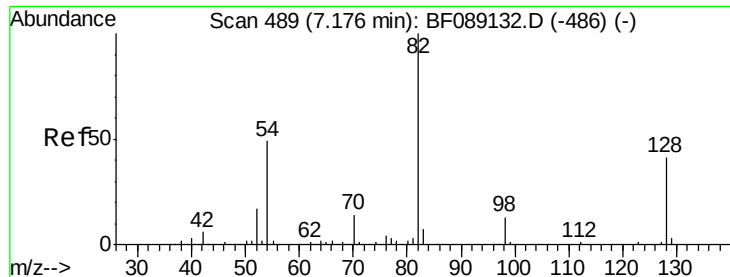
136 100

137 10.6 8.8 13.2

54 7.7 7.0 10.4

68 6.0 5.0 7.6

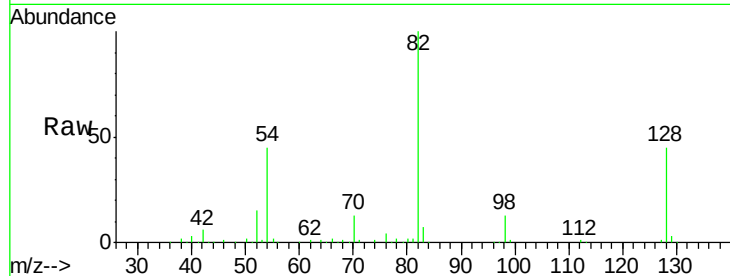




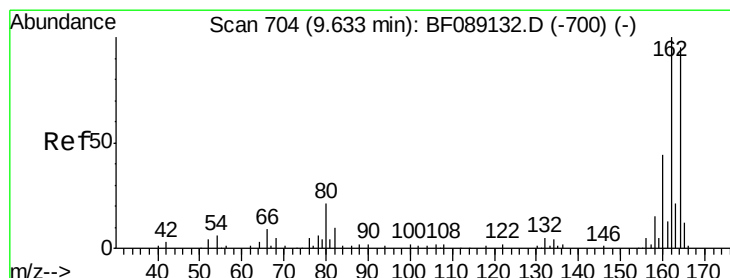
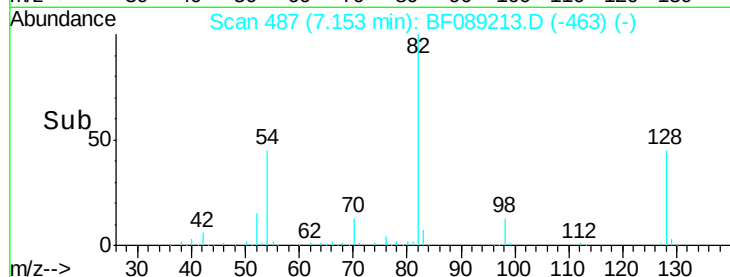
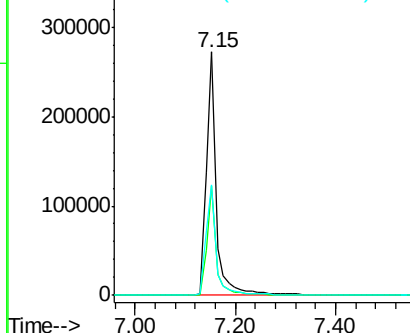
#23  
 Nitrobenzene-d5  
 Concen: 98.72 ng  
 RT: 7.15 min Scan# 487  
 Delta R.T. -0.02 min  
 Lab File: BF089213.D  
 Acq: 23 Jul 2016 1:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GCF-NW-2

Tgt Ion: 82 Resp: 376306  
 Ion Ratio Lower Upper  
 82 100  
 128 44.7 33.0 49.6  
 54 45.2 39.0 58.4

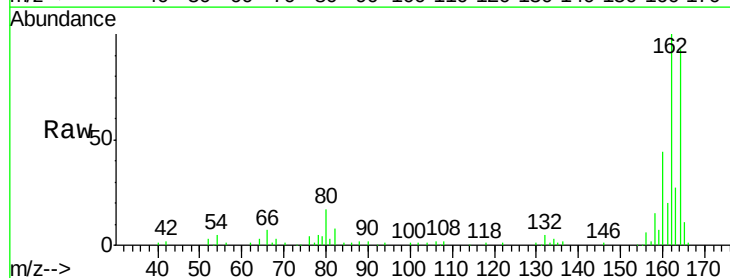


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

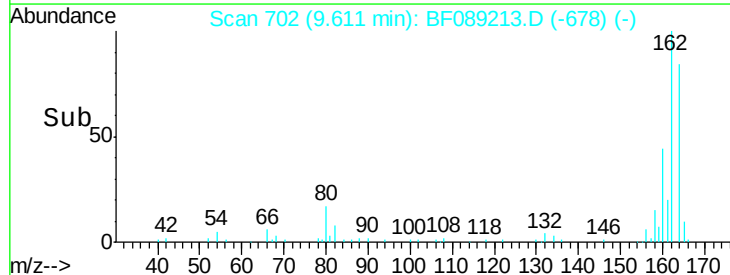
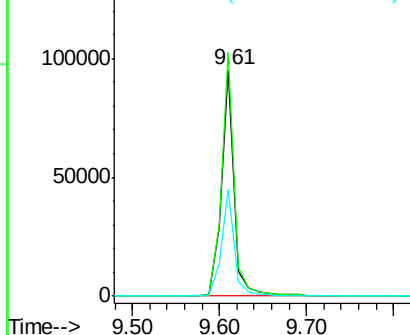


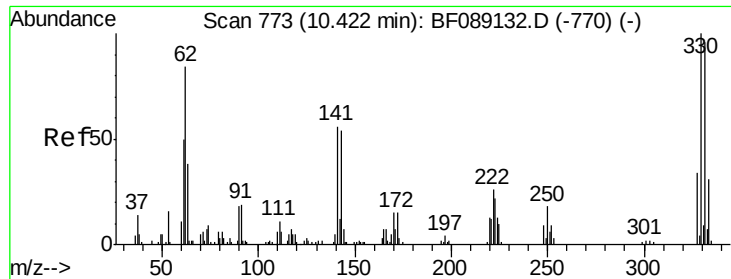
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.61 min Scan# 702  
 Delta R.T. -0.02 min  
 Lab File: BF089213.D  
 Acq: 23 Jul 2016 1:39

Tgt Ion: 164 Resp: 98931  
 Ion Ratio Lower Upper  
 164 100  
 162 107.6 84.1 126.1  
 160 47.2 37.1 55.7



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

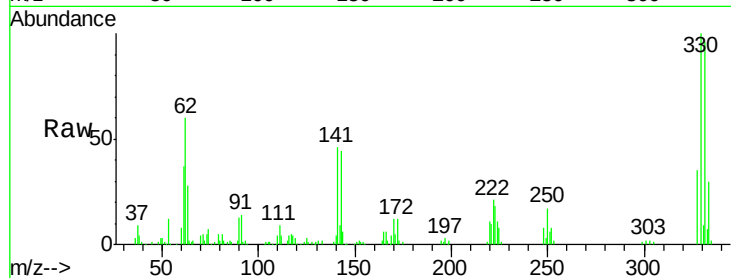




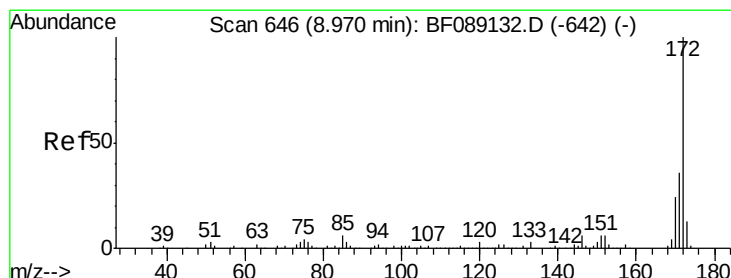
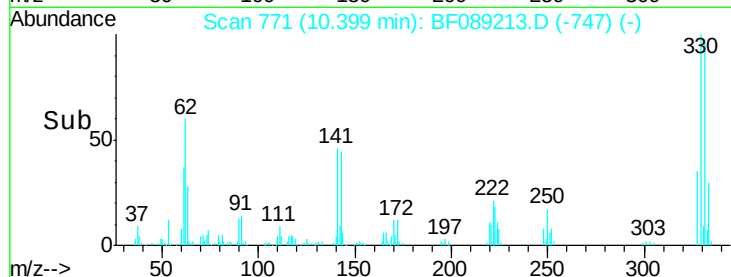
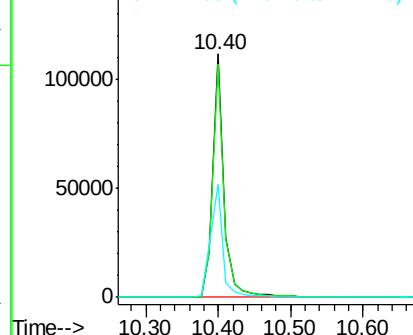
#41  
 2,4,6-Tribromophenol  
 Concen: 136.53 ng  
 RT: 10.40 min Scan# 771  
 Delta R.T. -0.02 min  
 Lab File: BF089213.D  
 Acq: 23 Jul 2016 1:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GCF-NW-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 77.2  | 115.8 |
| 141     | 50.6  | 42.2  | 63.2  |

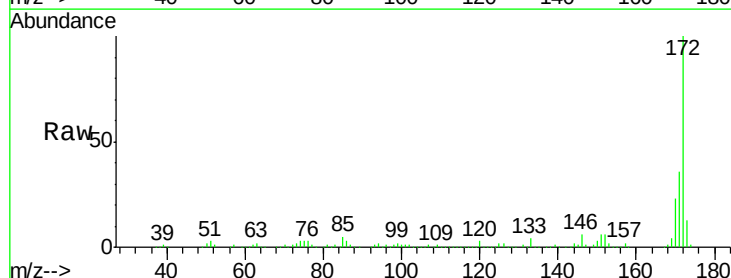


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

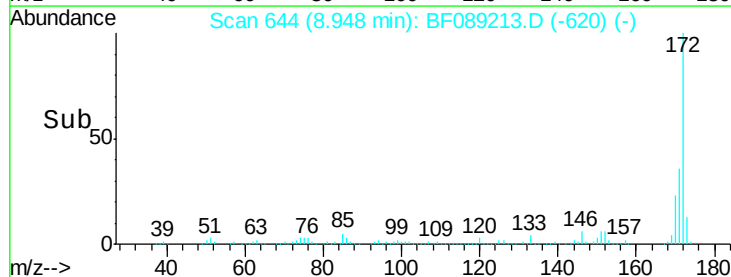
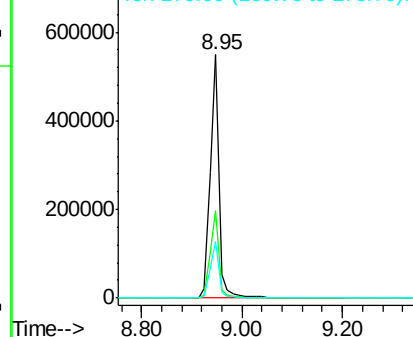


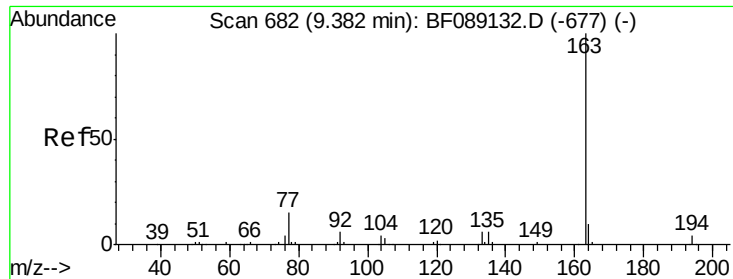
#44  
 2-Fluorobiphenyl  
 Concen: 93.23 ng  
 RT: 8.95 min Scan# 644  
 Delta R.T. -0.02 min  
 Lab File: BF089213.D  
 Acq: 23 Jul 2016 1:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.2  | 43.8  |
| 170     | 23.4  | 19.1  | 28.7  |



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

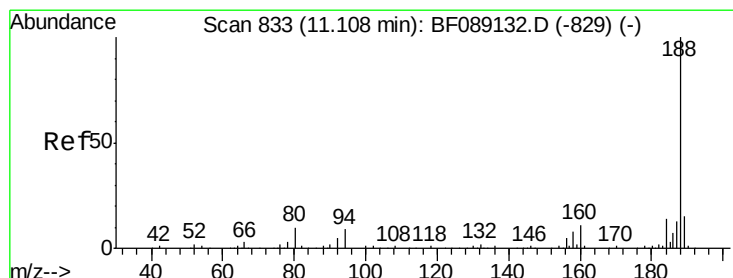
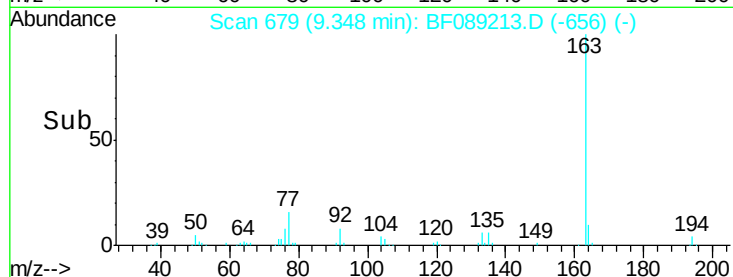
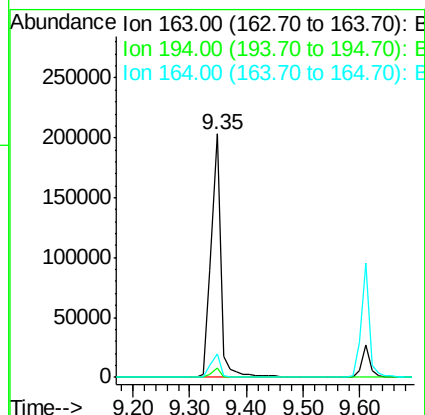
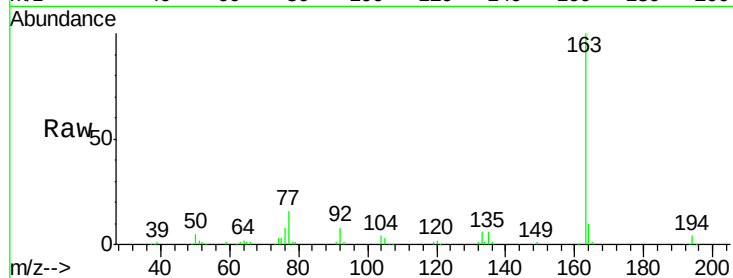




#49  
Dimethylphthalate  
Concen: 30.49 ng  
RT: 9.35 min Scan# 679  
Delta R.T. -0.03 min  
Lab File: BF089213.D  
Acq: 23 Jul 2016 1:39

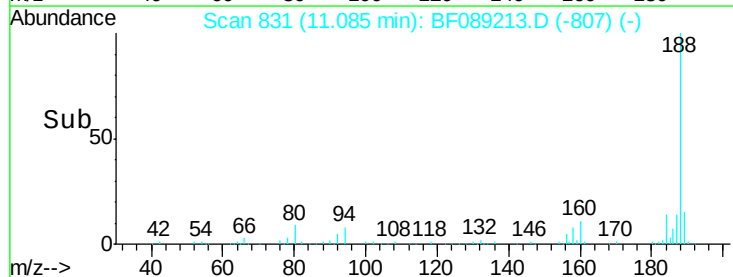
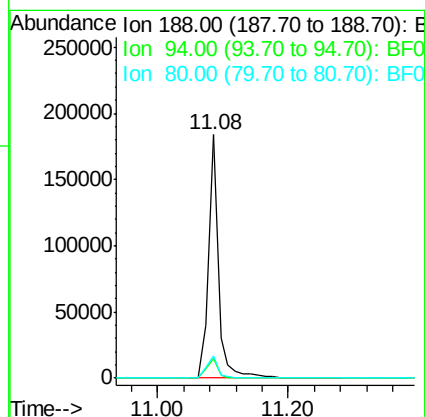
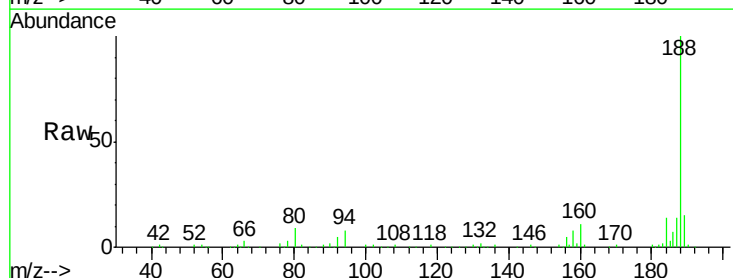
Instrument :  
BNA\_F  
ClientSampleId :  
GCF-NW-2

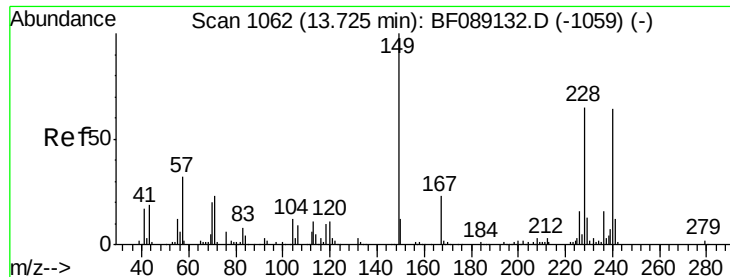
Tgt Ion:163 Resp: 231477  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.9 4.3  
164 9.8 7.6 11.4



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.08 min Scan# 831  
Delta R.T. -0.02 min  
Lab File: BF089213.D  
Acq: 23 Jul 2016 1:39

Tgt Ion:188 Resp: 194856  
Ion Ratio Lower Upper  
188 100  
94 7.9 7.0 10.4  
80 8.9 7.7 11.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089213.D

Acq: 23 Jul 2016 1:39

Instrument :

BNA\_F

ClientSampleId :

GCF-NW-2

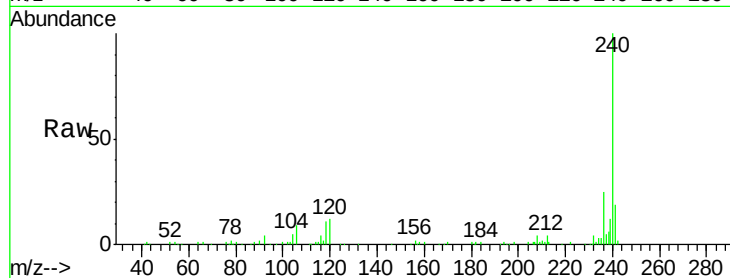
Tgt Ion:240 Resp: 144613

Ion Ratio Lower Upper

240 100

120 12.0 13.6 20.4#

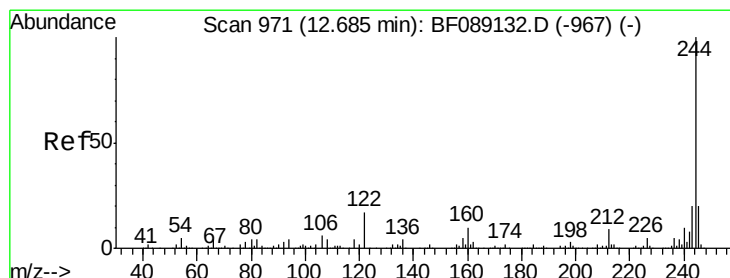
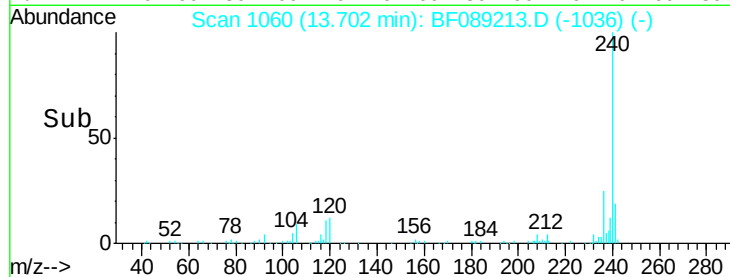
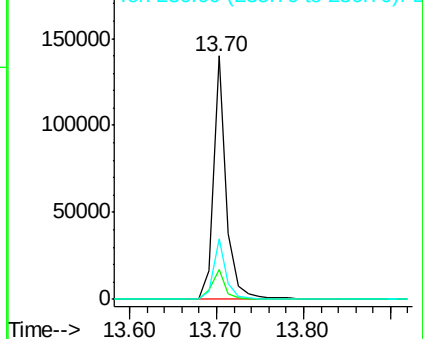
236 24.8 20.5 30.7



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: 89.89 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF089213.D

Acq: 23 Jul 2016 1:39

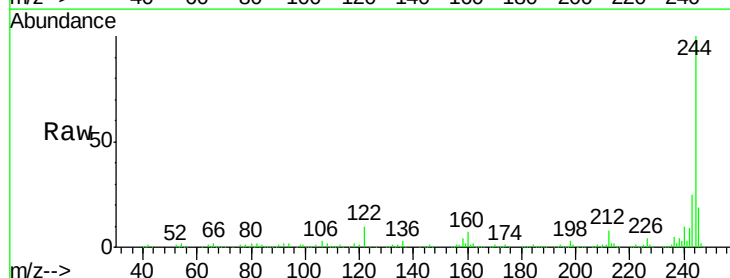
Tgt Ion:244 Resp: 599321

Ion Ratio Lower Upper

244 100

212 7.8 7.0 10.4

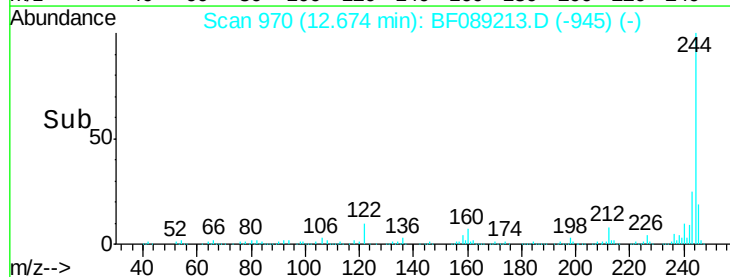
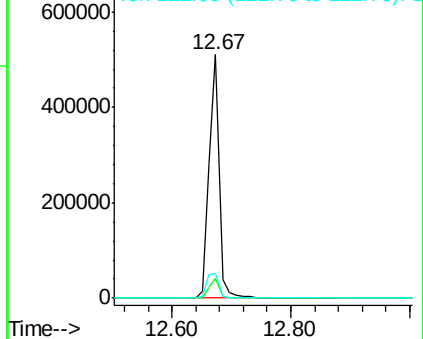
122 10.3 13.8 20.8#



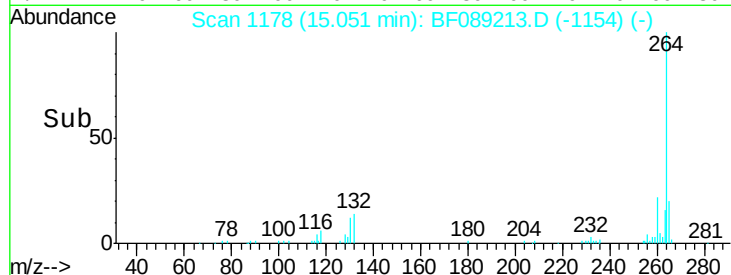
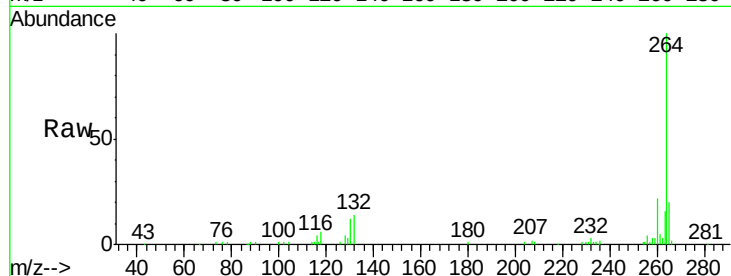
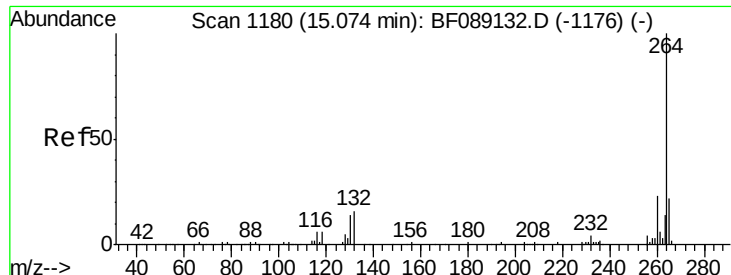
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.05 min Scan# 1178  
Delta R.T. -0.02 min  
Lab File: BF089213.D  
Acq: 23 Jul 2016 1:39

Instrument :  
BNA\_F  
ClientSampleId :  
GCF-NW-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.0  | 18.5  | 27.7  |
| 265     | 20.5  | 17.3  | 25.9  |

