

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\  
 Data File : BF090591.D  
 Acq On : 15 Oct 2016 7:08  
 Operator : UM/SJ  
 Sample : H5212-01  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-01-A3-A4-A3A-A4A

Quant Time: Oct 17 00:59:12 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 14 12:44:45 2016  
 Response via : Initial Calibration

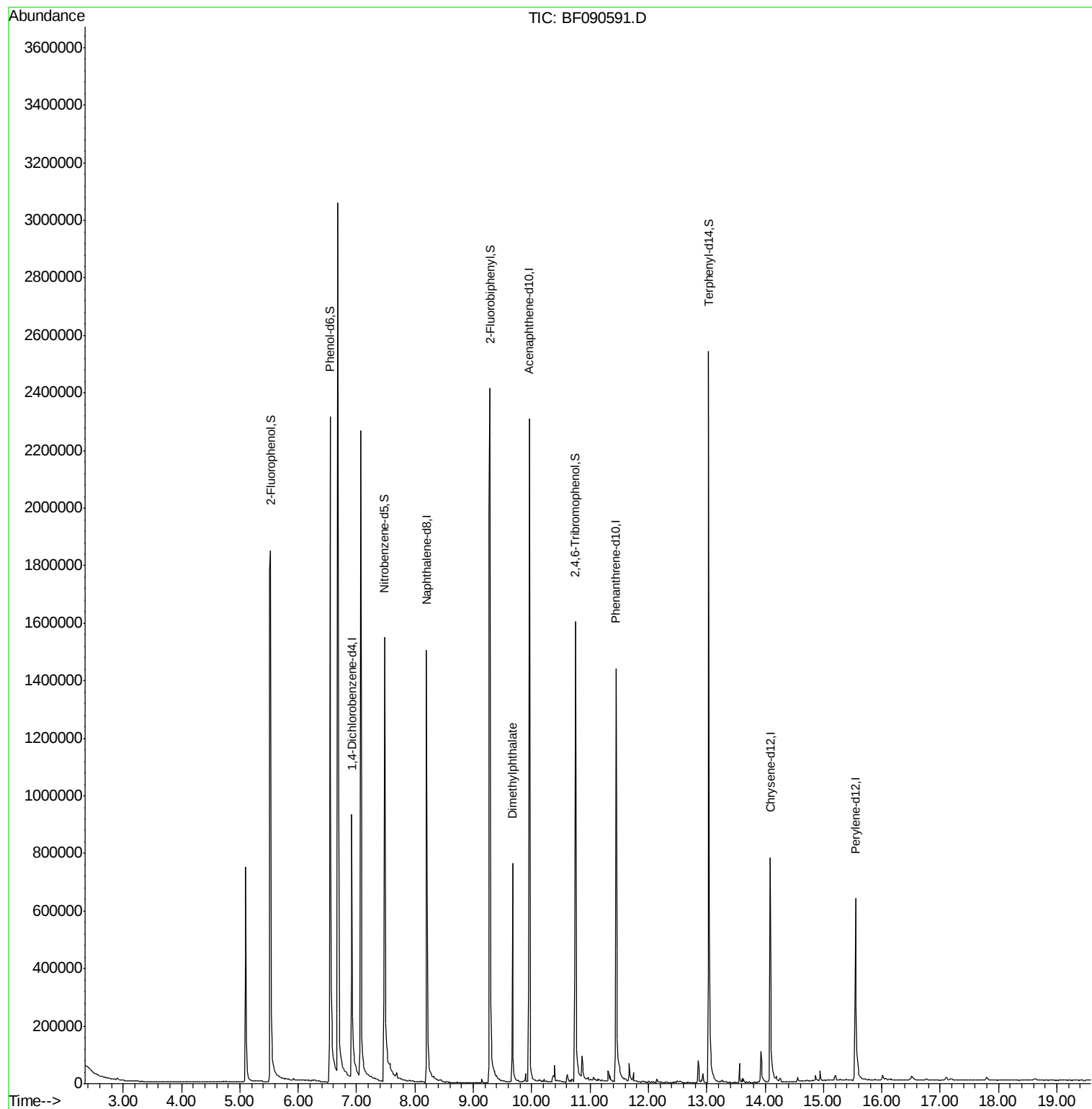
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 201275   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 873618   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.96  | 164  | 462521   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.45 | 188  | 628661   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.09 | 240  | 351435   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.55 | 264  | 331600   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 842240   | 76.71 | ng    | 0.00     |
| 7) Phenol-d6                | 6.54  | 99   | 1136248  | 69.65 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 756880   | 48.13 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 191647   | 46.48 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 1189556  | 42.38 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.03 | 244  | 863382   | 57.20 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.67  | 163  | 303718   | 10.12 | ng    | 99       |

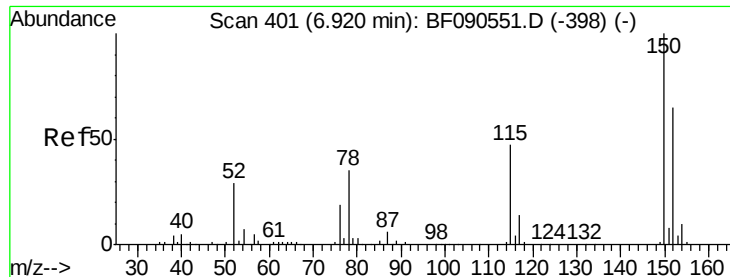
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\  
Data File : BF090591.D  
Acq On : 15 Oct 2016 7:08  
Operator : UM/SJ  
Sample : H5212-01  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-A3-A4-A3A-A4A

Quant Time: Oct 17 00:59:12 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 14 12:44:45 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 401

Delta R.T. -0.00 min

Lab File: BF090591.D

Acq: 15 Oct 2016 7:08

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-A3-A4-A3A-A4A

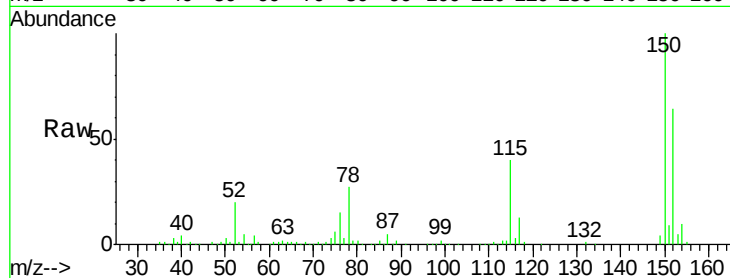
Tot Ion:152 Resp: 201275

Ion Ratio Lower Upper

152 100

150 156.3 127.2 190.8

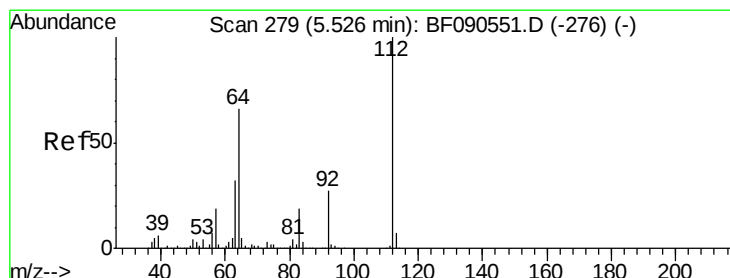
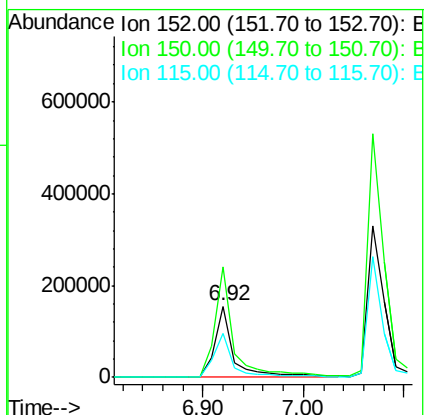
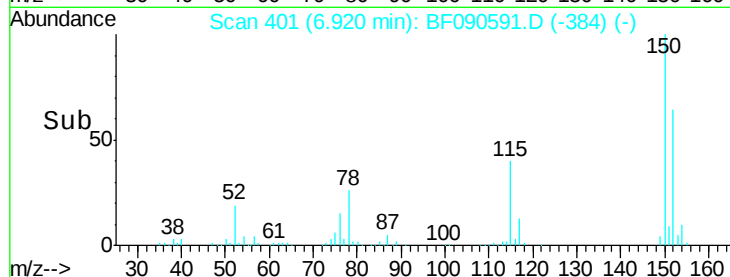
115 62.0 58.6 88.0



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: 76.71 ng

RT: 5.53 min Scan# 279

Delta R.T. 0.00 min

Lab File: BF090591.D

Acq: 15 Oct 2016 7:08

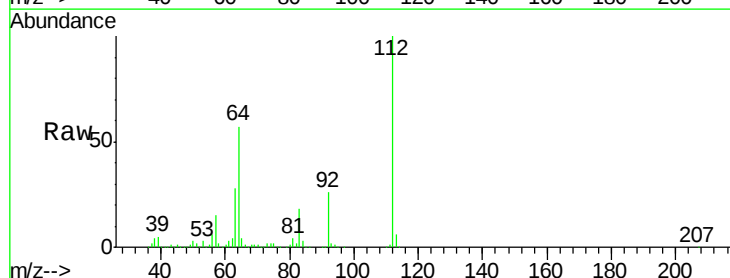
Tgt Ion:112 Resp: 842240

Ion Ratio Lower Upper

112 100

64 57.1 52.6 78.8

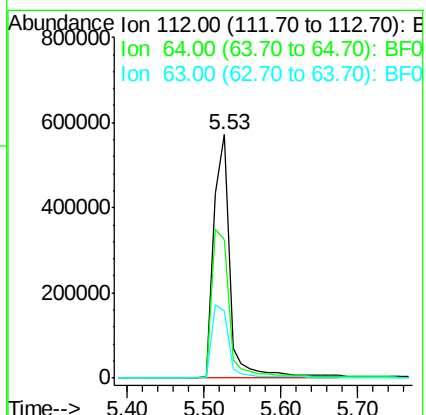
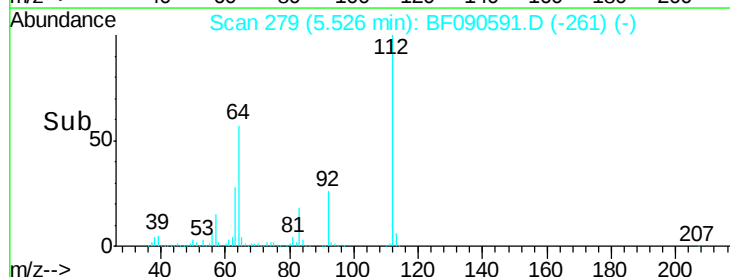
63 27.7 26.0 39.0

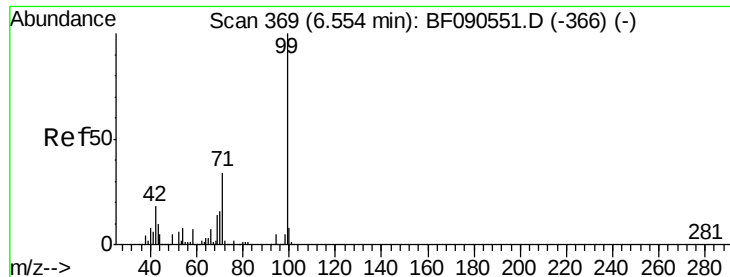


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 69.65 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF090591.D

Acq: 15 Oct 2016 7:08

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-A3-A4-A3A-A4A

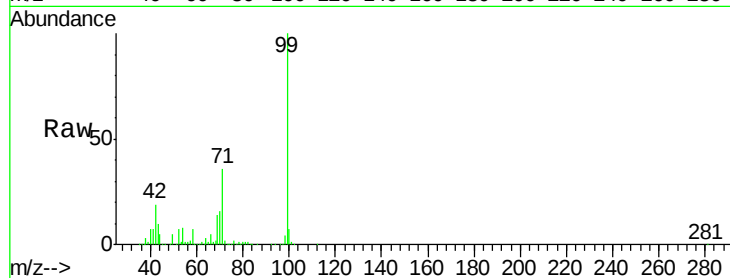
Tot Ion: 99 Resp: 1136248

Ion Ratio Lower Upper

99 100

42 19.4 14.7 22.1

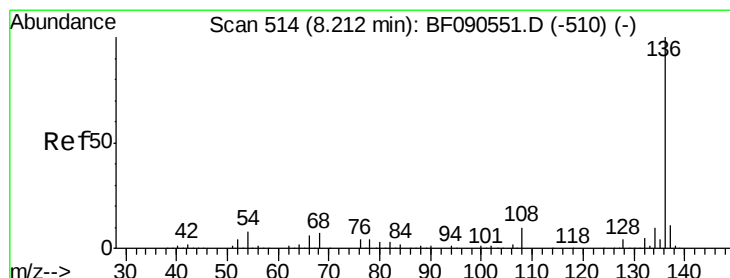
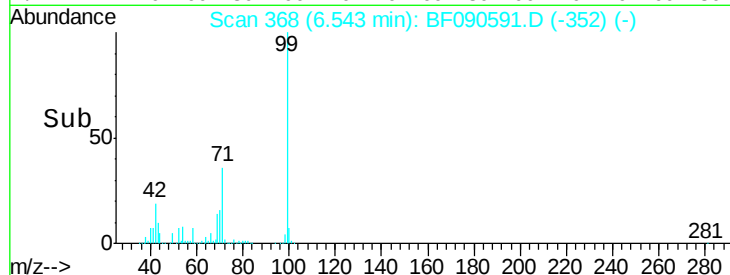
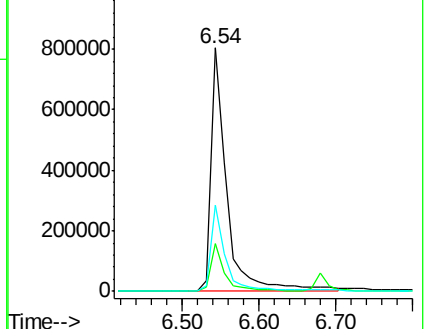
71 35.5 27.6 41.4



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: 8.20 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF090591.D

Acq: 15 Oct 2016 7:08

Tgt Ion: 136 Resp: 873618

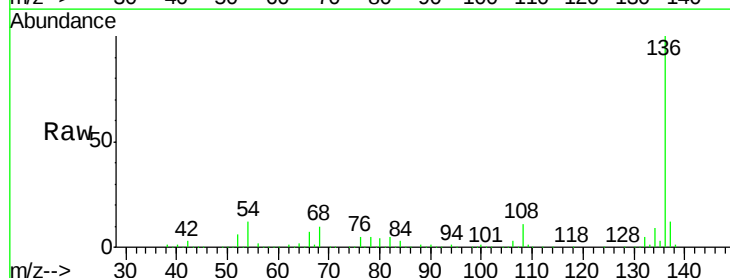
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 11.8 6.8 10.2#

68 9.6 6.0 9.0#

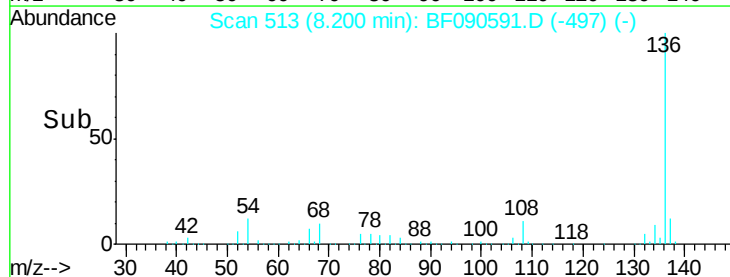
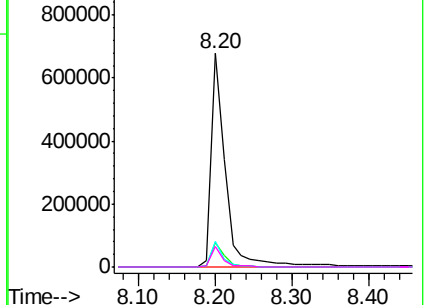


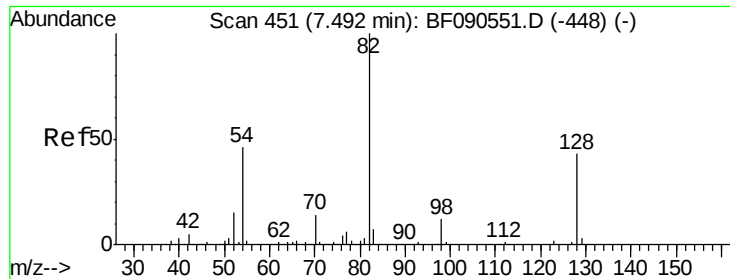
Abundance Ion 136.00 (135.70 to 136.70): E

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

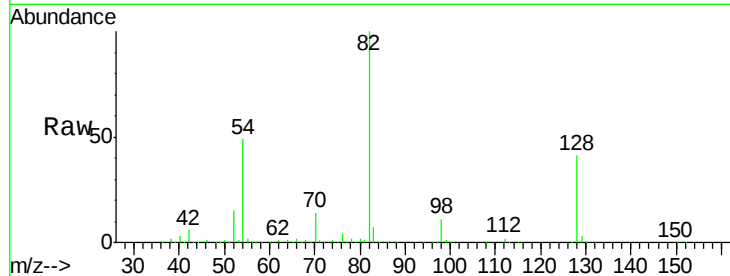




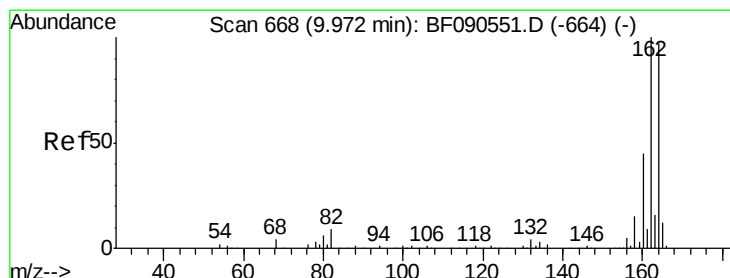
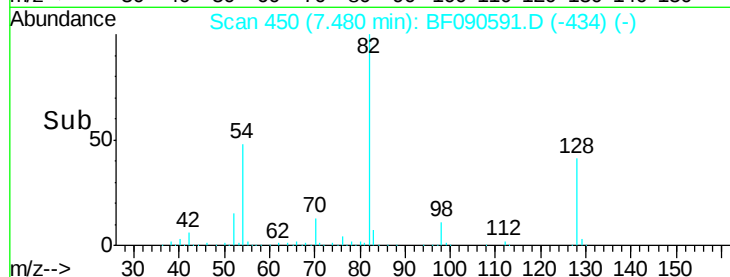
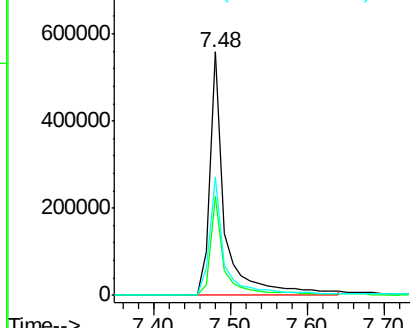
#23  
 Nitrobenzene-d5  
 Concen: 48.13 ng  
 RT: 7.48 min Scan# 450  
 Delta R.T. -0.01 min  
 Lab File: BF090591.D  
 Acq: 15 Oct 2016 7:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-01-A3-A4-A3A-A4A

| Tot Ion   | 82    | Resp  | 756880 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.6  | 34.3  | 51.5   |
| 54        | 48.6  | 37.0  | 55.6   |

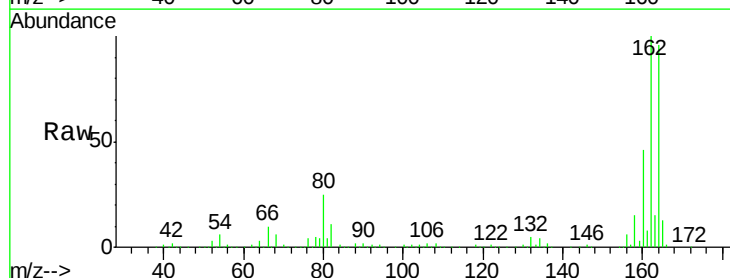


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

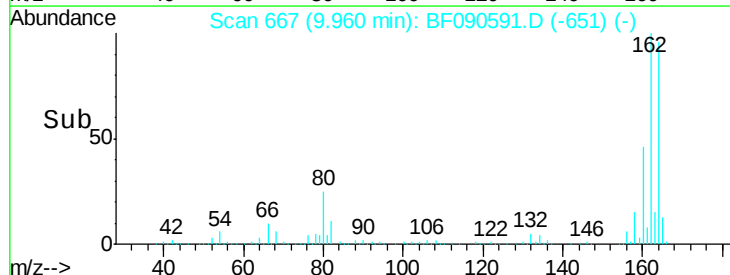
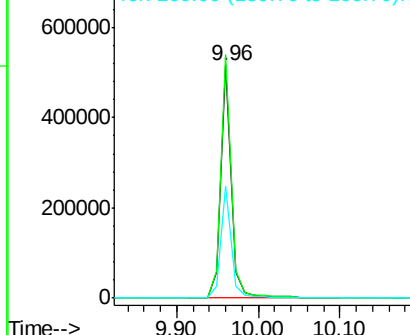


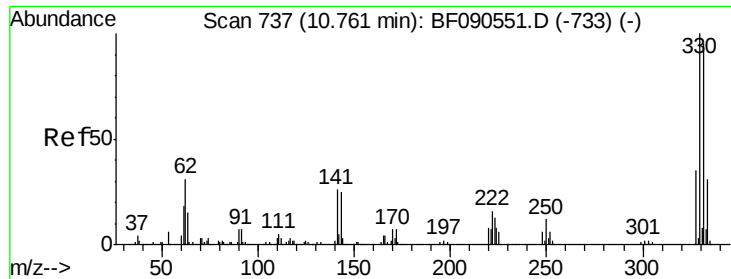
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.96 min Scan# 667  
 Delta R.T. -0.01 min  
 Lab File: BF090591.D  
 Acq: 15 Oct 2016 7:08

| Tgt Ion   | 164   | Resp  | 462521 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.4 | 82.2  | 123.4  |
| 160       | 47.9  | 36.6  | 55.0   |



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: 46.48 ng

RT: 10.75 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF090591.D

Acq: 15 Oct 2016 7:08

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-A3-A4-A3A-A4A

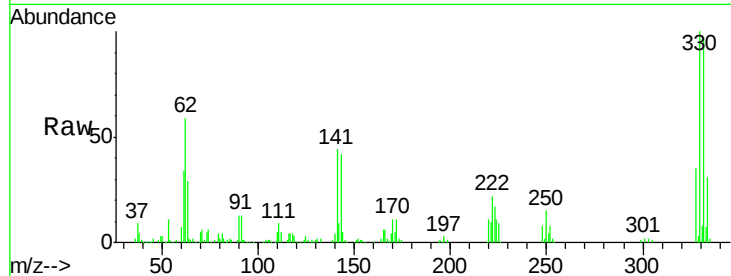
Tot Ion:330 Resp: 191647

Ion Ratio Lower Upper

330 100

332 95.9 76.2 114.2

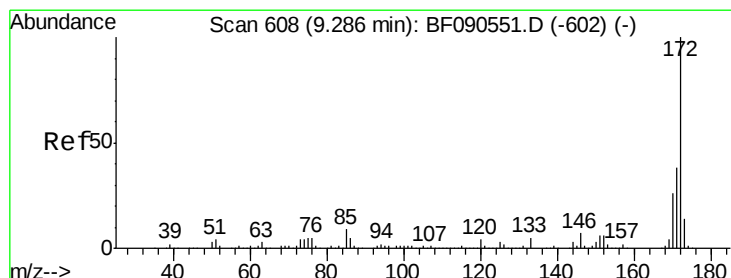
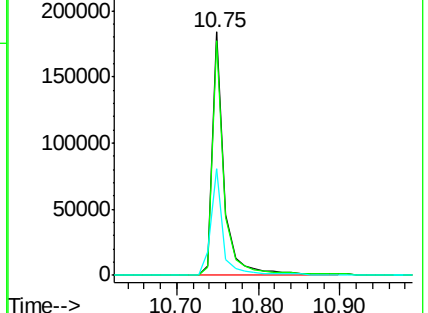
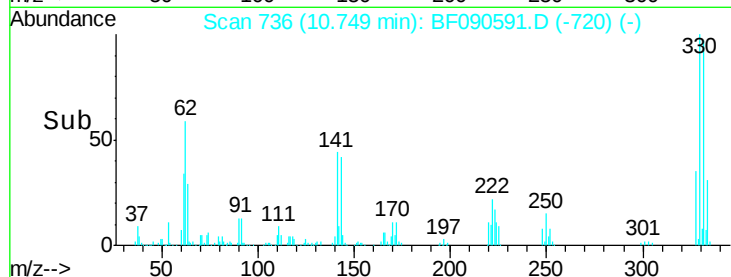
141 46.3 31.4 47.2



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: 42.38 ng

RT: 9.29 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF090591.D

Acq: 15 Oct 2016 7:08

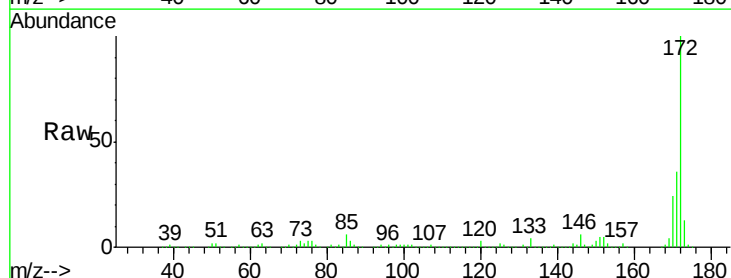
Tgt Ion:172 Resp: 1189556

Ion Ratio Lower Upper

172 100

171 35.7 30.1 45.1

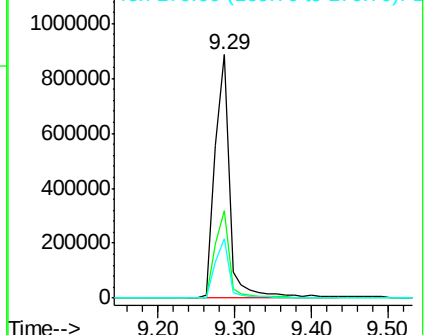
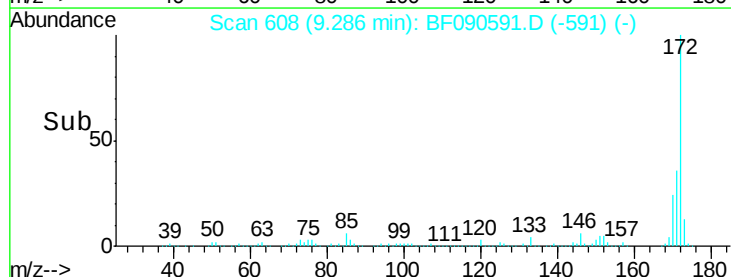
170 24.2 20.6 30.8



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

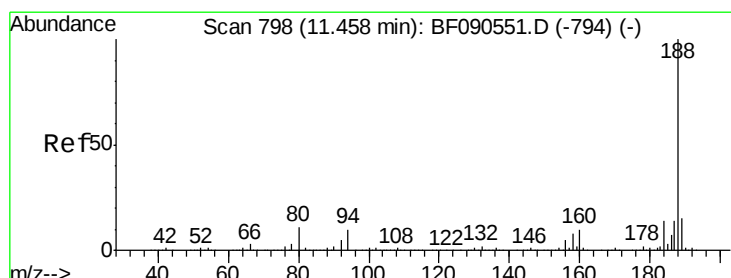
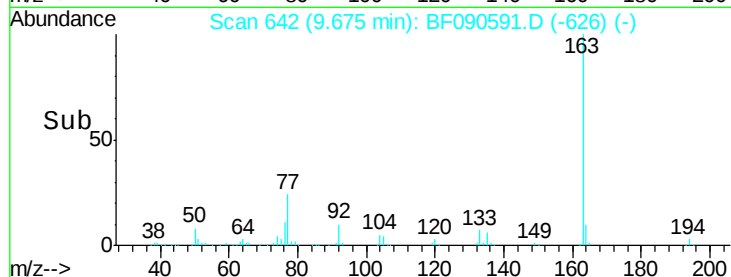
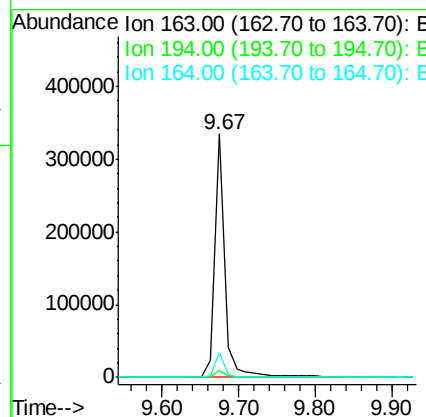
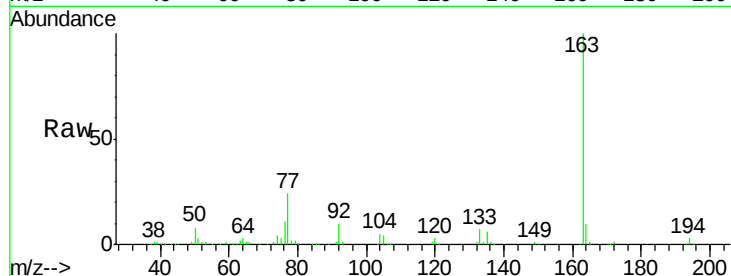




#49  
Dimethylphthalate  
Concen: 10.12 ng  
RT: 9.67 min Scan# 642  
Delta R.T. -0.01 min  
Lab File: BF090591.D  
Acq: 15 Oct 2016 7:08

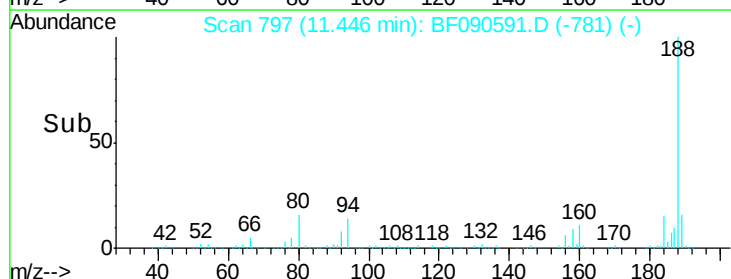
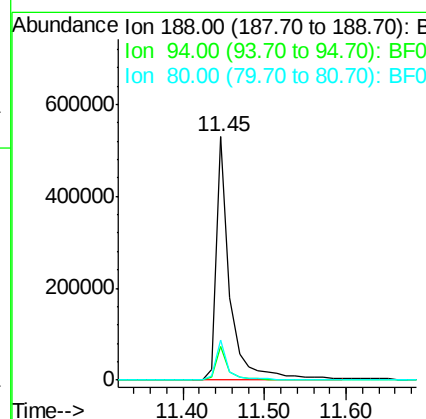
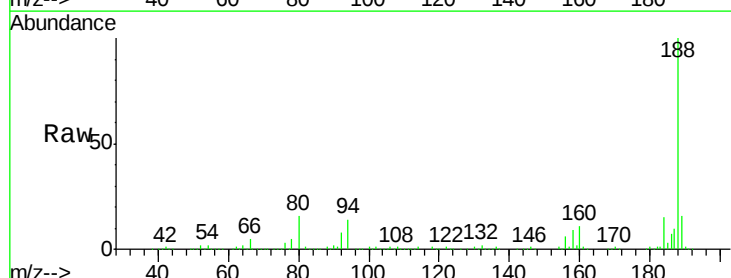
Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-A3-A4-A3A-A4A

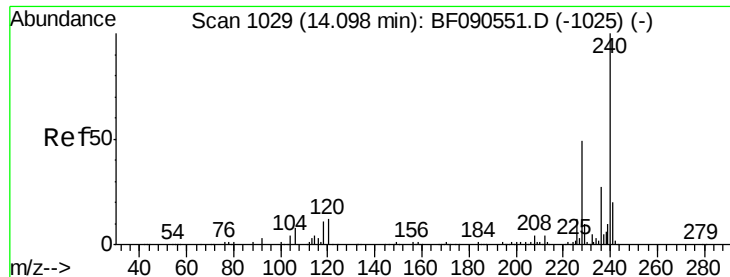
Tot Ion:163 Resp: 303718  
Ion Ratio Lower Upper  
163 100  
194 2.9 2.3 3.5  
164 10.1 8.6 13.0



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.45 min Scan# 797  
Delta R.T. -0.01 min  
Lab File: BF090591.D  
Acq: 15 Oct 2016 7:08

Tgt Ion:188 Resp: 628661  
Ion Ratio Lower Upper  
188 100  
94 14.0 7.7 11.5#  
80 16.5 8.6 12.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF090591.D

Acq: 15 Oct 2016 7:08

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-A3-A4-A3A-A4A

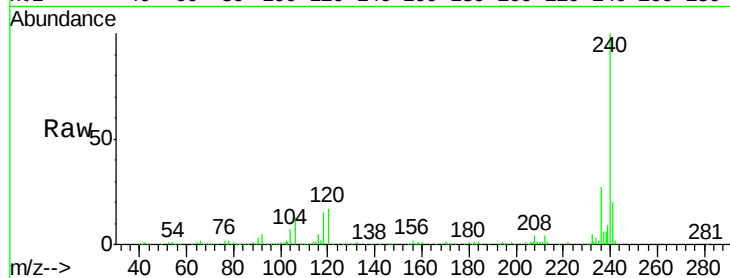
Tot Ion:240 Resp: 351435

Ion Ratio Lower Upper

240 100

120 17.0 9.8 14.8#

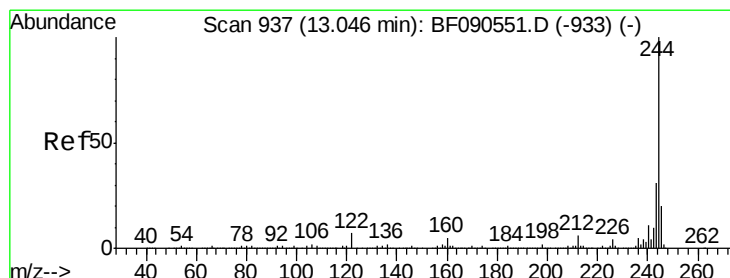
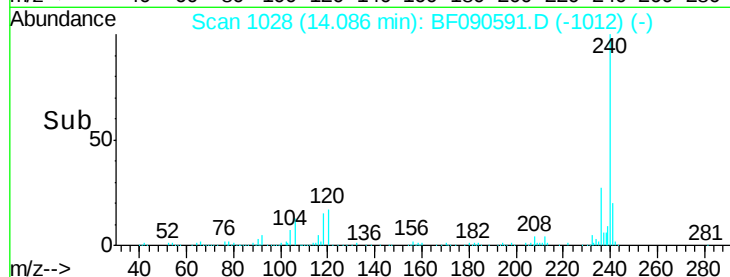
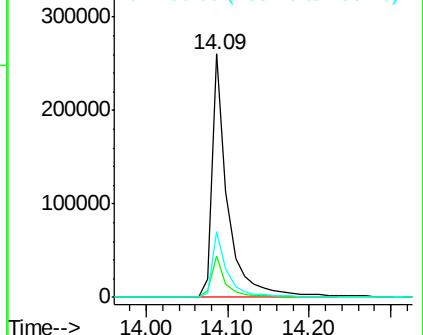
236 26.8 21.7 32.5



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: 57.20 ng

RT: 13.03 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF090591.D

Acq: 15 Oct 2016 7:08

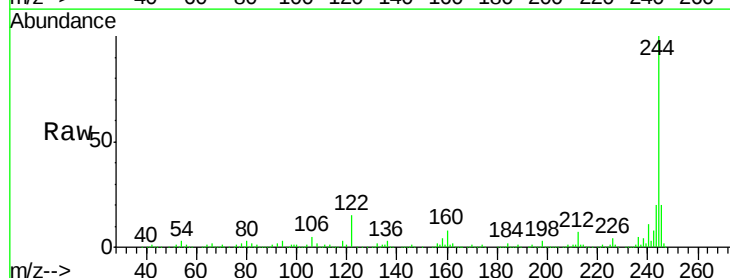
Tgt Ion:244 Resp: 863382

Ion Ratio Lower Upper

244 100

212 7.5 5.0 7.4#

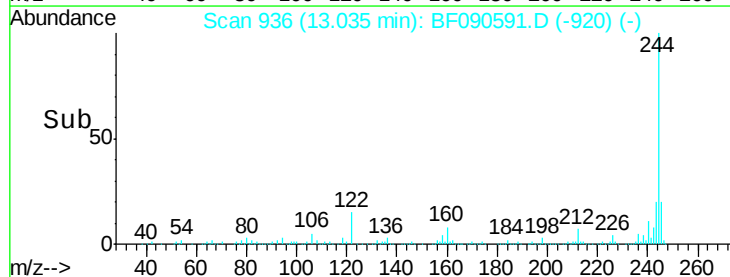
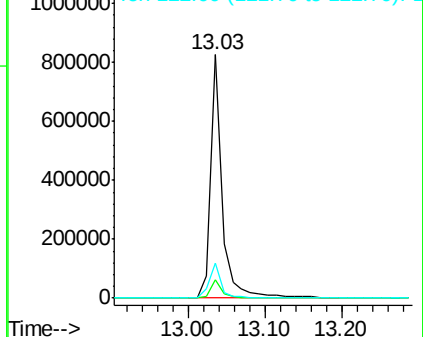
122 14.6 5.6 8.4#

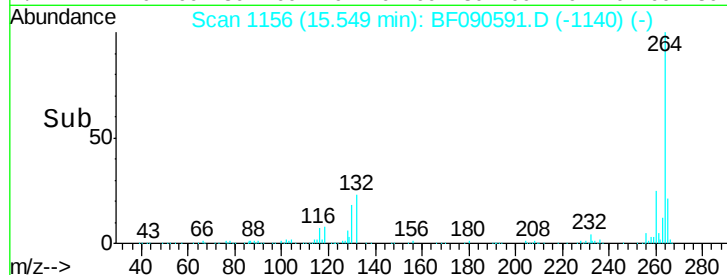
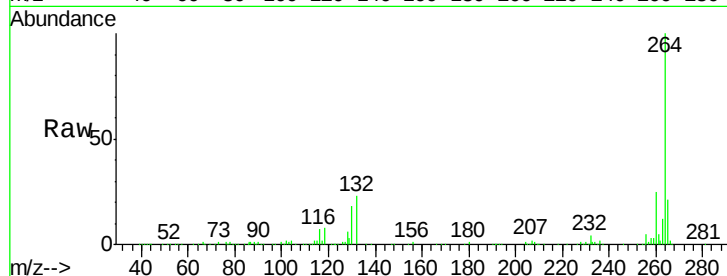
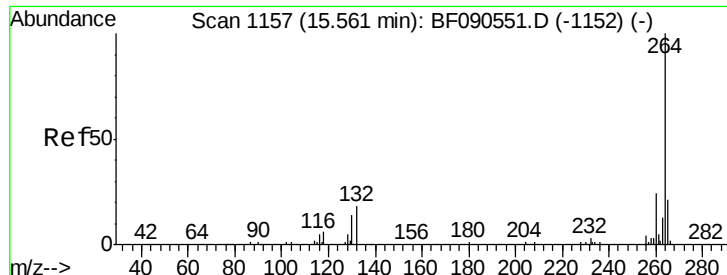


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.55 min Scan# 1156  
 Delta R.T. -0.01 min  
 Lab File: BF090591.D  
 Acq: 15 Oct 2016 7:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-01-A3-A4-A3A-A4A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.3  | 28.9  |
| 265     | 21.1  | 16.7  | 25.1  |

