

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032317\  
 Data File : BF093887.D  
 Acq On : 23 Mar 2017 19:04  
 Operator : SJ/MA  
 Sample : I2362-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8-EB-2017-2

Quant Time: Mar 24 03:13:17 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 23 02:02:22 2017  
 Response via : Initial Calibration

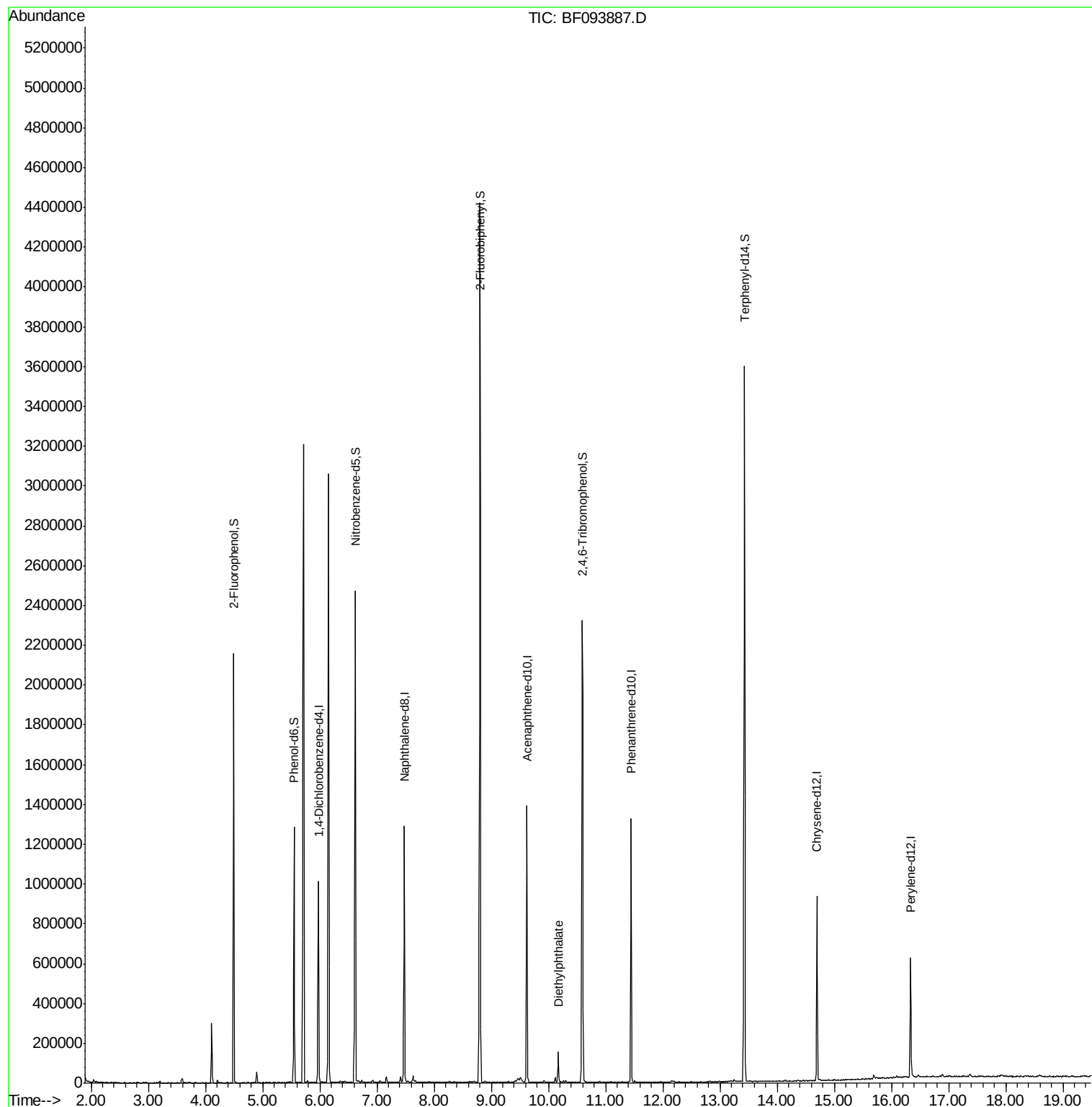
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 5.97  | 152  | 162074   | 20.00  | ng    | -0.01        |
| 21) Naphthalene-d8          | 7.47  | 136  | 653858   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 9.62  | 164  | 295448   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 11.44 | 188  | 515767   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 14.70 | 240  | 327141   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 16.34 | 264  | 259453   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 4.49  | 112  | 574625   | 59.88  | ng    | -0.01        |
| 7) Phenol-d6                | 5.55  | 99   | 441851   | 37.22  | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 6.62  | 82   | 978786   | 85.43  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330  | 324293   | 138.90 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 8.80  | 172  | 1677938  | 86.62  | ng    | -0.02        |
| 78) Terphenyl-d14           | 13.43 | 244  | 1376205  | 94.29  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 59) Diethylphthalate        | 10.17 | 149  | 56270    | 2.71   | ng    | Qvalue<br>98 |

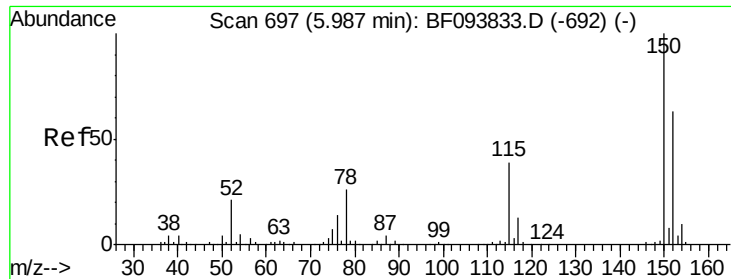
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.97 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF093887.D

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BNA\_F

ClientSampleId :

S8-EB-2017-2

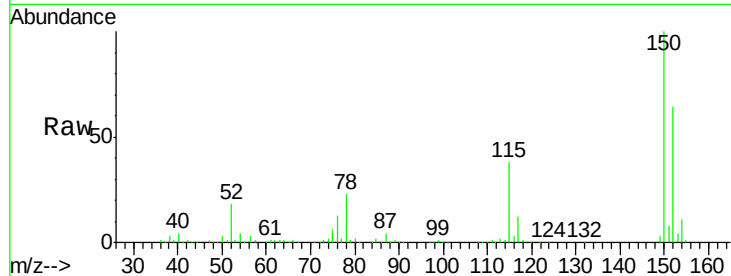
Tgt Ion:152 Resp: 162074

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

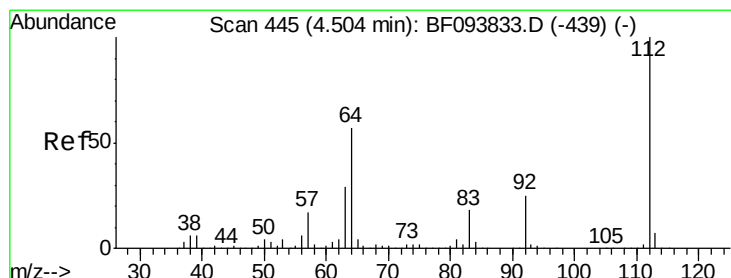
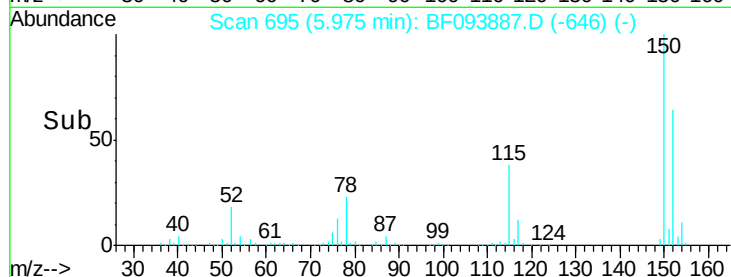
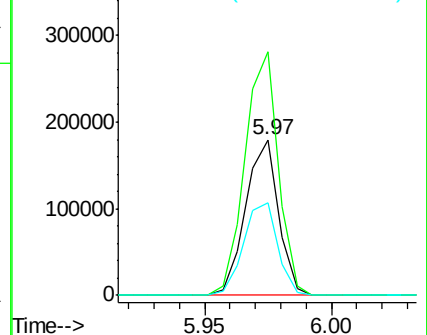
115 59.1 52.2 78.2



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: 59.88 ng

RT: 4.49 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF093887.D

Acq: 23 Mar 2017 19:04

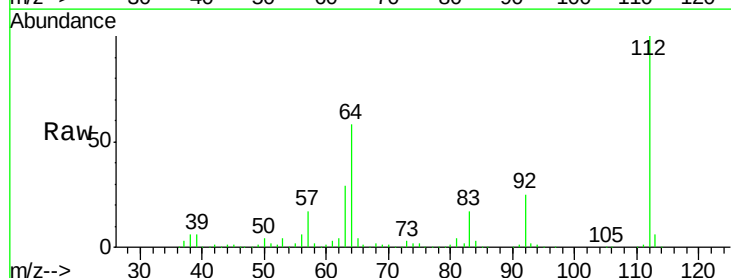
Tgt Ion:112 Resp: 574625

Ion Ratio Lower Upper

112 100

64 58.0 46.0 69.0

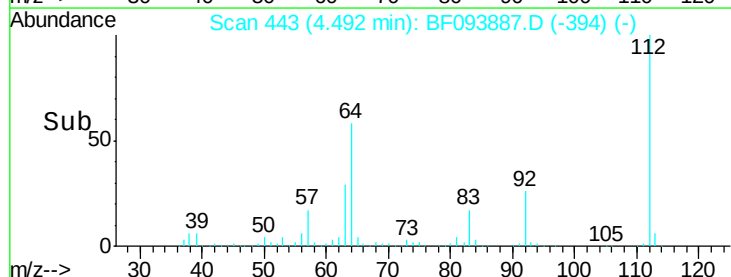
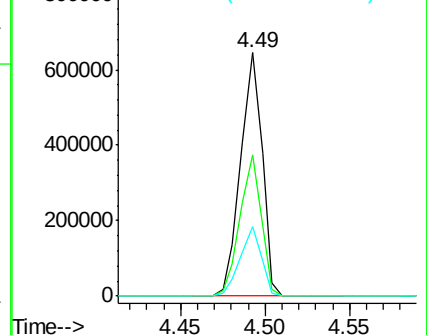
63 28.8 23.4 35.0

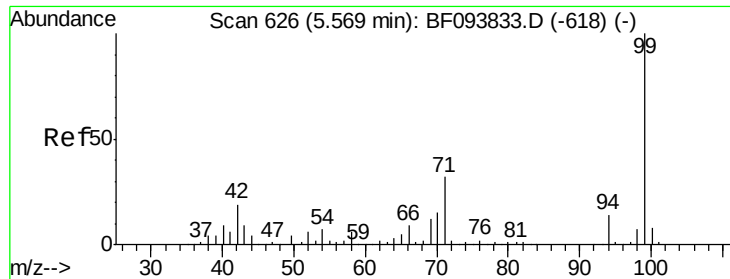


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.22 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.02 min

Lab File: BF093887.D

Acq: 23 Mar 2017 19:04

Instrument :

BNA\_F

ClientSampleId :

S8-EB-2017-2

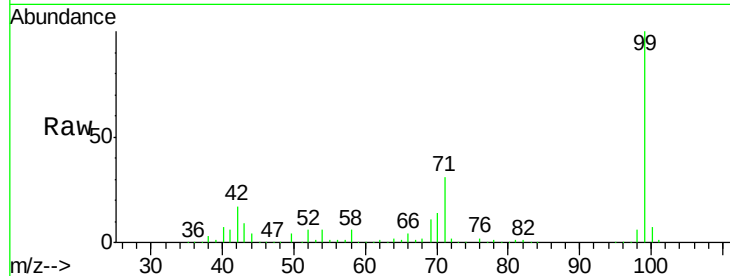
Tgt Ion: 99 Resp: 441851

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

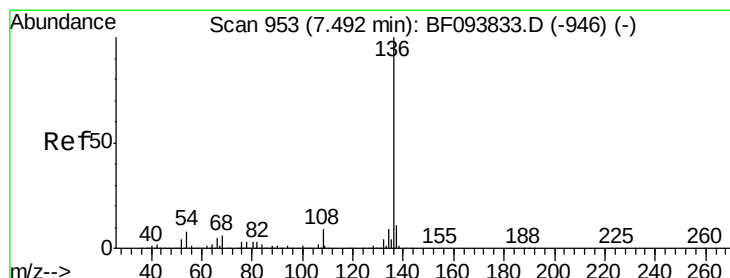
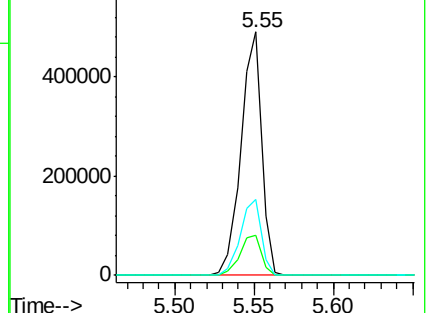
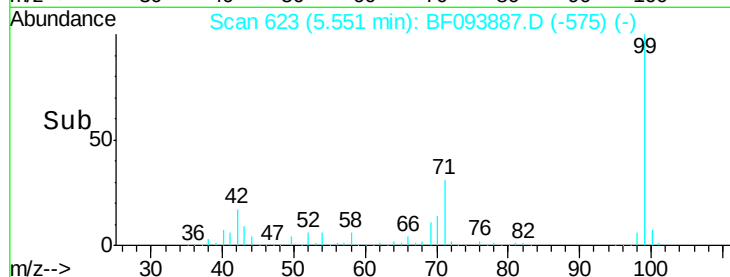
71 31.1 24.5 36.7



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: 7.47 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093887.D

Acq: 23 Mar 2017 19:04

Tgt Ion: 136 Resp: 653858

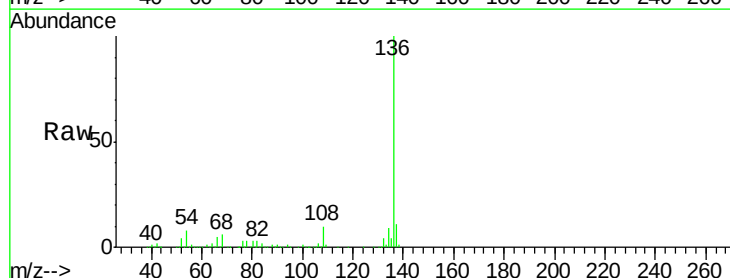
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.7 4.9 7.3#

68 6.2 4.1 6.1#

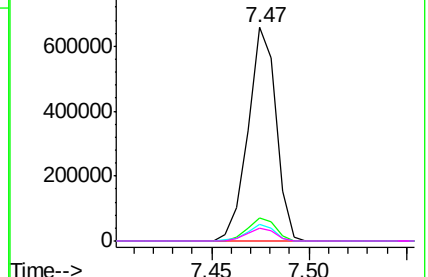
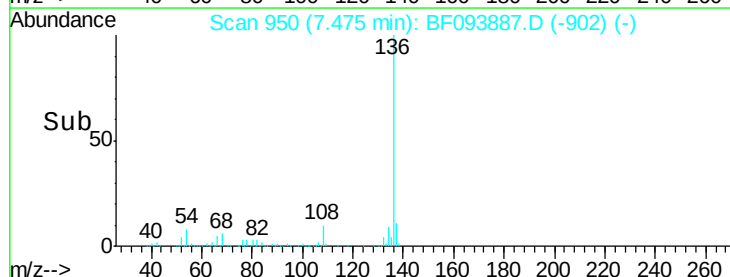


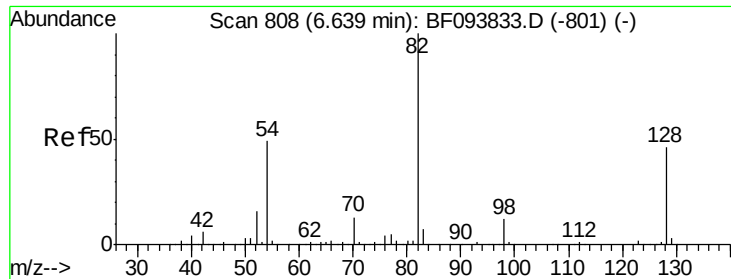
Abundance Ion 136.00 (135.70 to 136.70): E

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

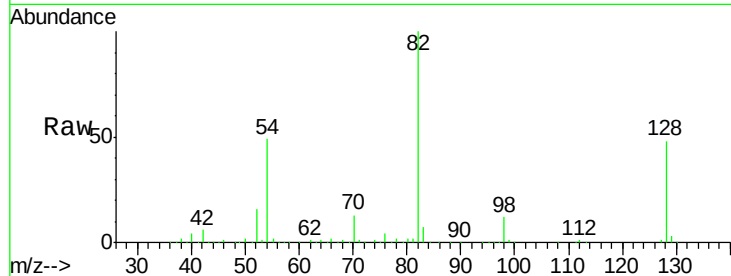




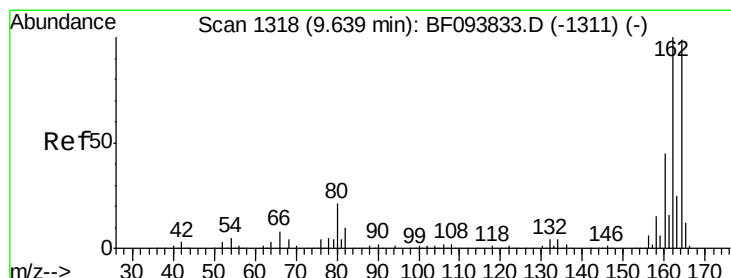
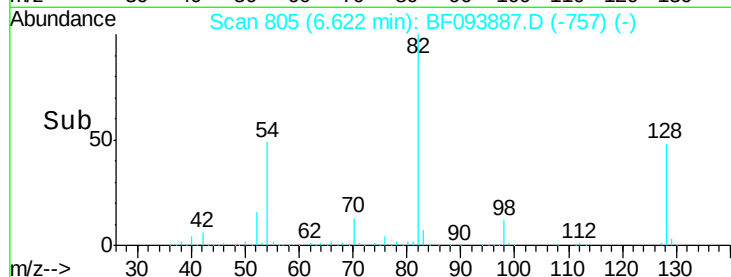
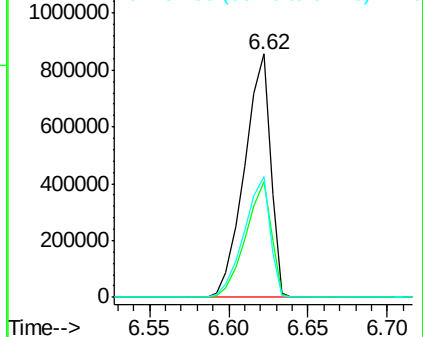
#23  
 Nitrobenzene-d5  
 Concen: 85.43 ng  
 RT: 6.62 min Scan# 805  
 Delta R.T. -0.02 min  
 Lab File: BF093887.D  
 Acq: 23 Mar 2017 19:04

Instrument :  
 BNA\_F  
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 S8-EB-2017-2

Tgt Ion: 82 Resp: 978786  
 Ion Ratio Lower Upper  
 82 100  
 128 47.6 34.0 51.0  
 54 49.4 42.2 63.2

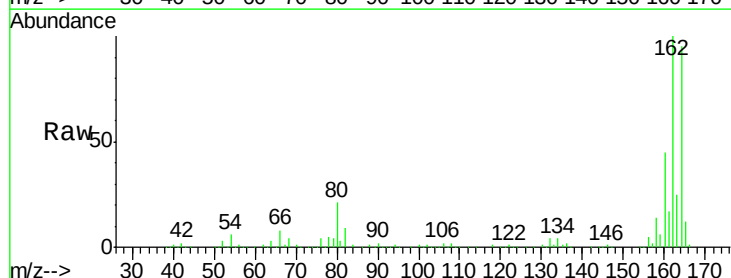


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

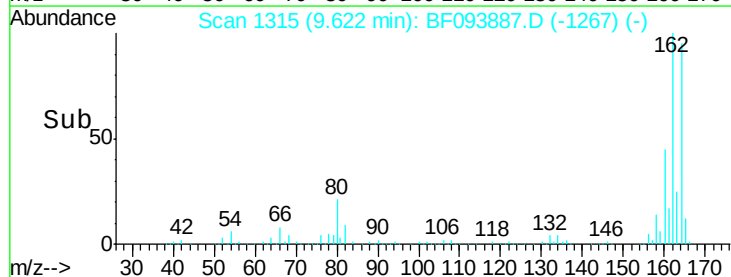
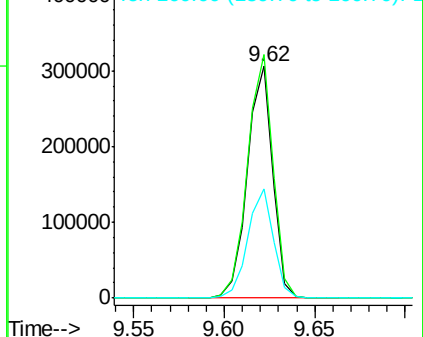


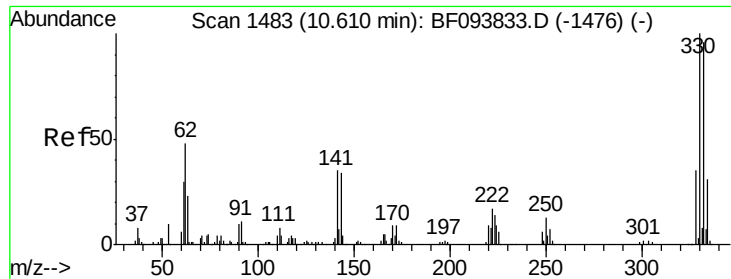
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.62 min Scan# 1315  
 Delta R.T. -0.02 min  
 Lab File: BF093887.D  
 Acq: 23 Mar 2017 19:04

Tgt Ion: 164 Resp: 295448  
 Ion Ratio Lower Upper  
 164 100  
 162 105.2 82.6 123.8  
 160 47.2 36.2 54.2



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

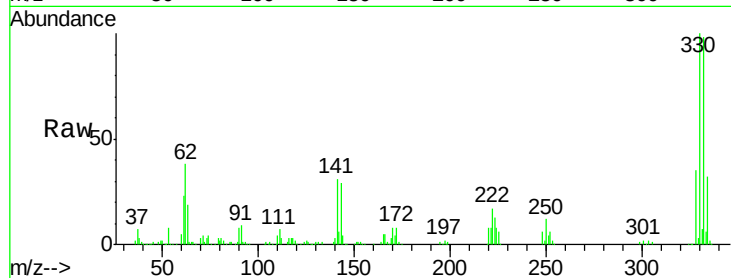




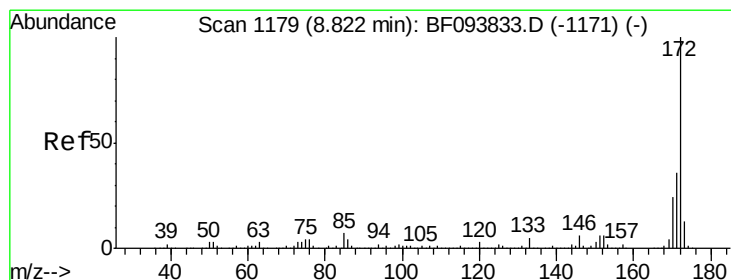
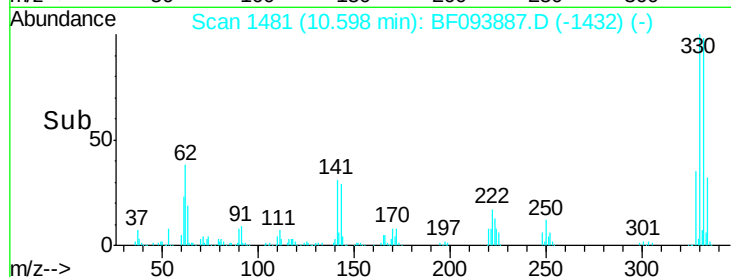
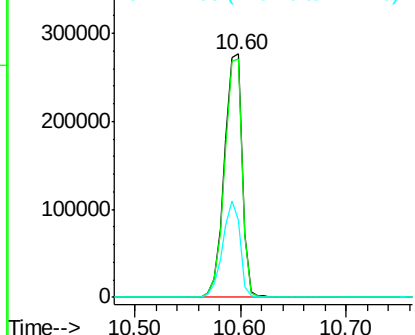
#41  
 2,4,6-Tribromophenol  
 Concen: 138.90 ng  
 RT: 10.60 min Scan# 1481  
 Delta R.T. -0.01 min  
 Lab File: BF093887.D  
 Acq: 23 Mar 2017 19:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8-EB-2017-2

Tgt Ion:330 Resp: 324293  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 76.6 115.0  
 141 38.8 31.4 47.2

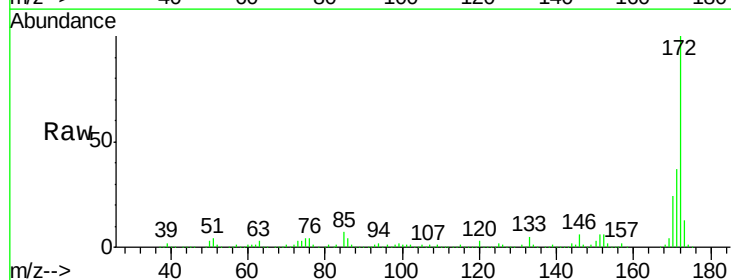


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

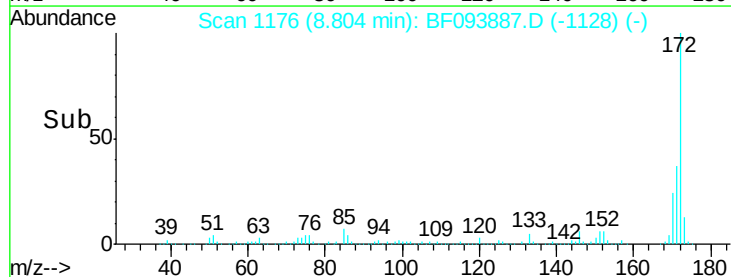
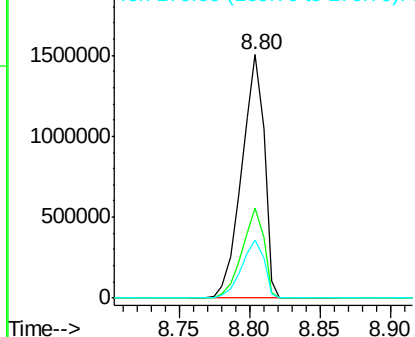


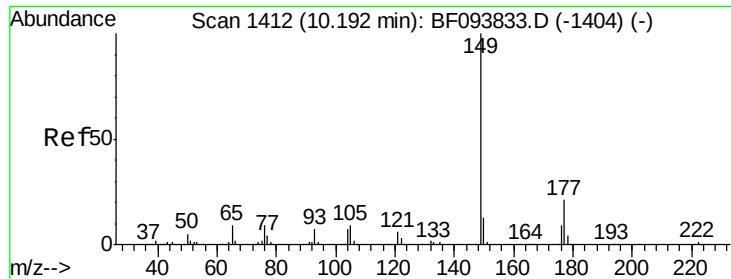
#44  
 2-Fluorobiphenyl  
 Concen: 86.62 ng  
 RT: 8.80 min Scan# 1176  
 Delta R.T. -0.02 min  
 Lab File: BF093887.D  
 Acq: 23 Mar 2017 19:04

Tgt Ion:172 Resp: 1677938  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 29.6 44.4  
 170 24.1 19.8 29.8



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





#59

Diethylphthalate

Concen: 2.71 ng

RT: 10.17 min Scan# 1408

Delta R.T. -0.02 min

Lab File: BF093887.D

Acq: 23 Mar 2017 19:04

Instrument :

BNA\_F

ClientSampleId :

S8-EB-2017-2

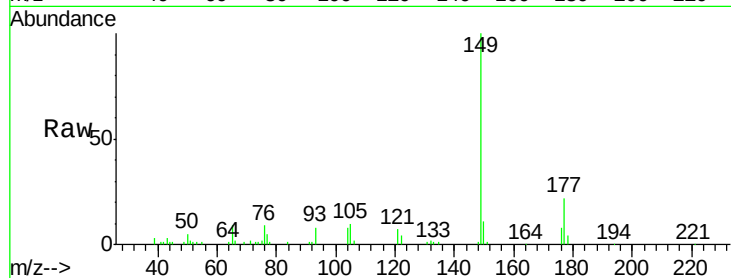
Tgt Ion:149 Resp: 56270

Ion Ratio Lower Upper

149 100

177 21.5 16.7 25.1

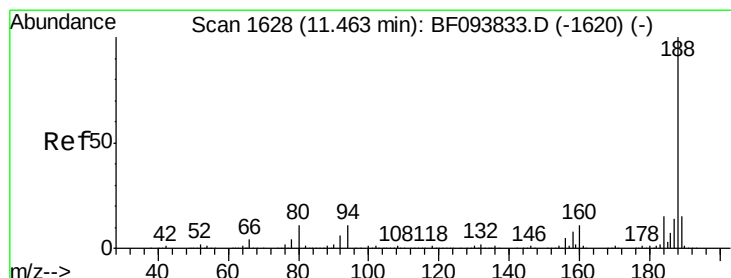
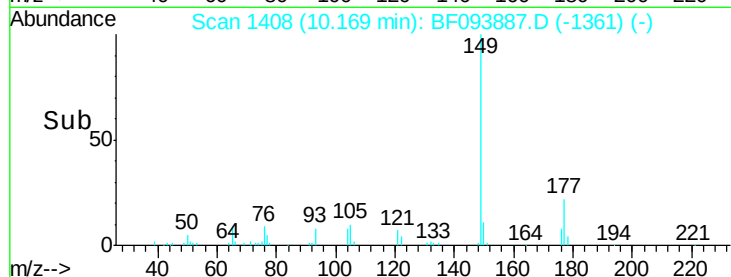
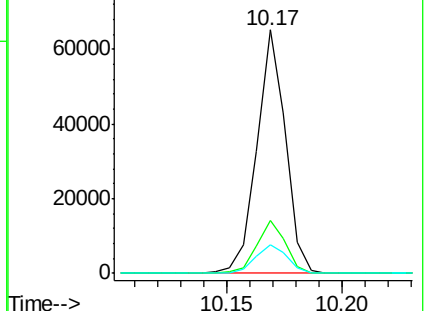
150 11.5 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 1625

Delta R.T. -0.02 min

Lab File: BF093887.D

Acq: 23 Mar 2017 19:04

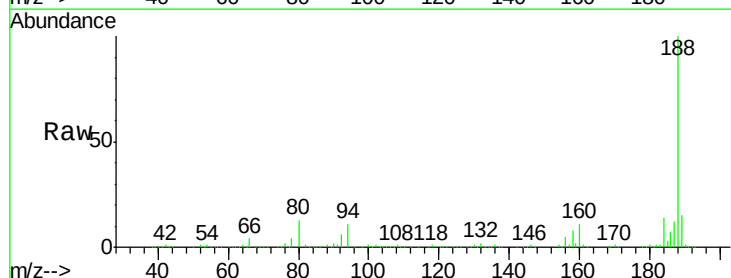
Tgt Ion:188 Resp: 515767

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

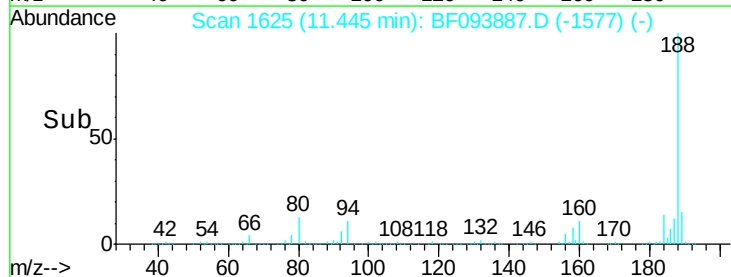
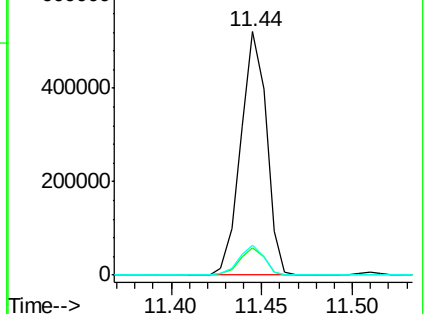
80 12.5 10.2 15.2

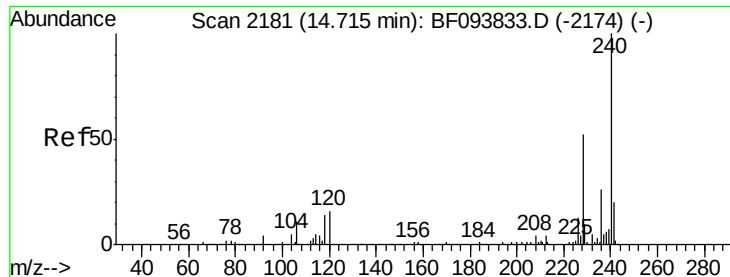


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.70 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BF093887.D

Acq: 23 Mar 2017 19:04

Instrument :

BNA\_F

ClientSampleId :

S8-EB-2017-2

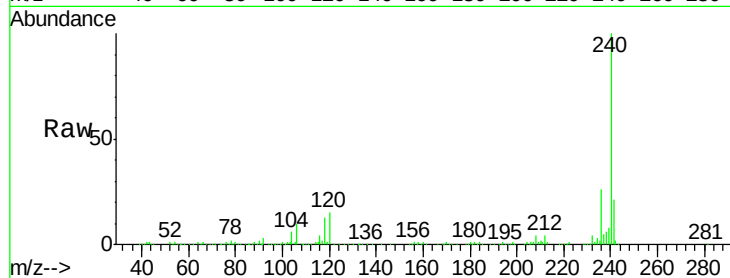
Tgt Ion:240 Resp: 327141

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

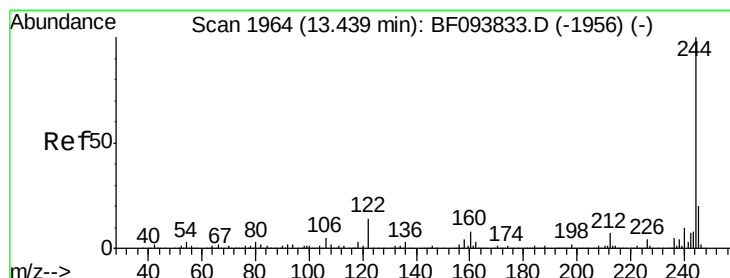
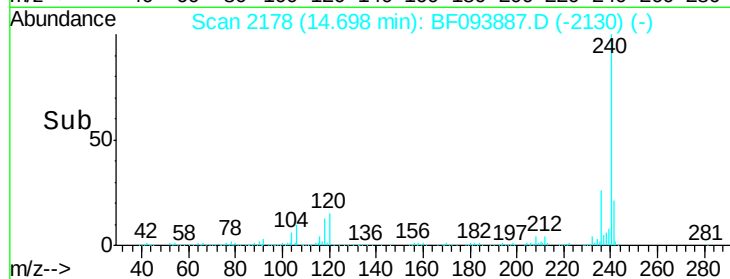
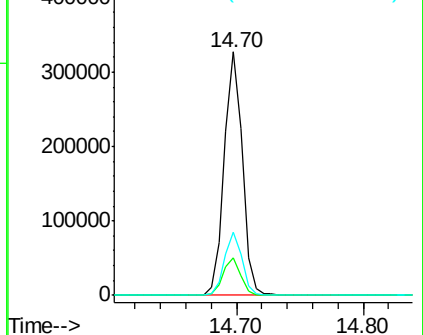
236 25.8 20.5 30.7



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: 94.29 ng

RT: 13.43 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BF093887.D

Acq: 23 Mar 2017 19:04

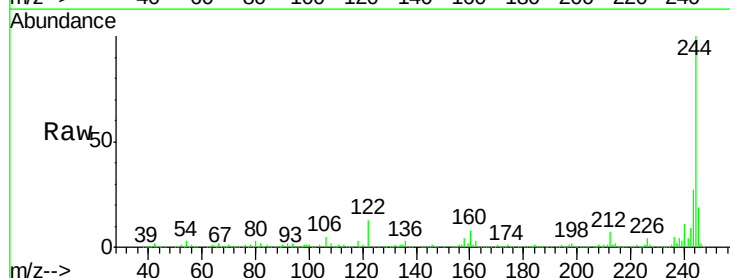
Tgt Ion:244 Resp: 1376205

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

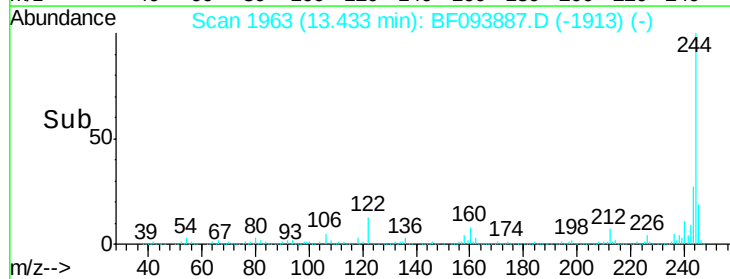
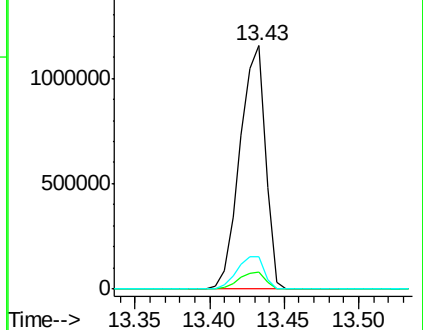
122 13.1 10.3 15.5



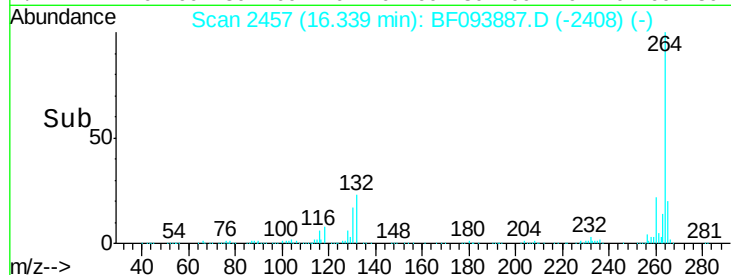
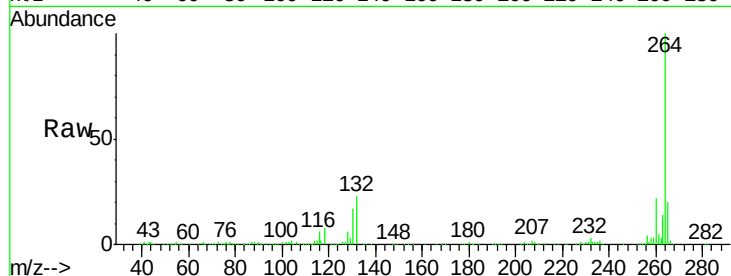
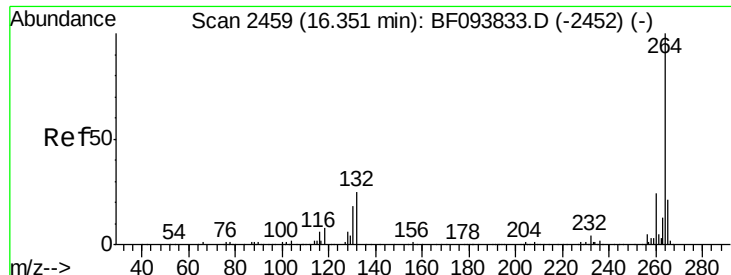
Abundance Ion 244.00 (243.70 to 244.70): E

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: 16.34 min Scan# 2457  
Delta R.T. -0.01 min  
Lab File: BF093887.D  
Acq: 23 Mar 2017 19:04

Instrument :  
BNA\_F  
ClientSampleId :  
S8-EB-2017-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.4  | 19.5  | 29.3  |
| 265     | 20.3  | 17.2  | 25.8  |

