

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031416\  
 Data File : BF085451.D  
 Acq On : 15 Mar 2016 10:51  
 Operator : UM/SJ  
 Sample : H1755-01DL 50X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WESTE-WATERDL

Quant Time: Mar 15 12:56:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 04 00:54:58 2016  
 Response via : Initial Calibration

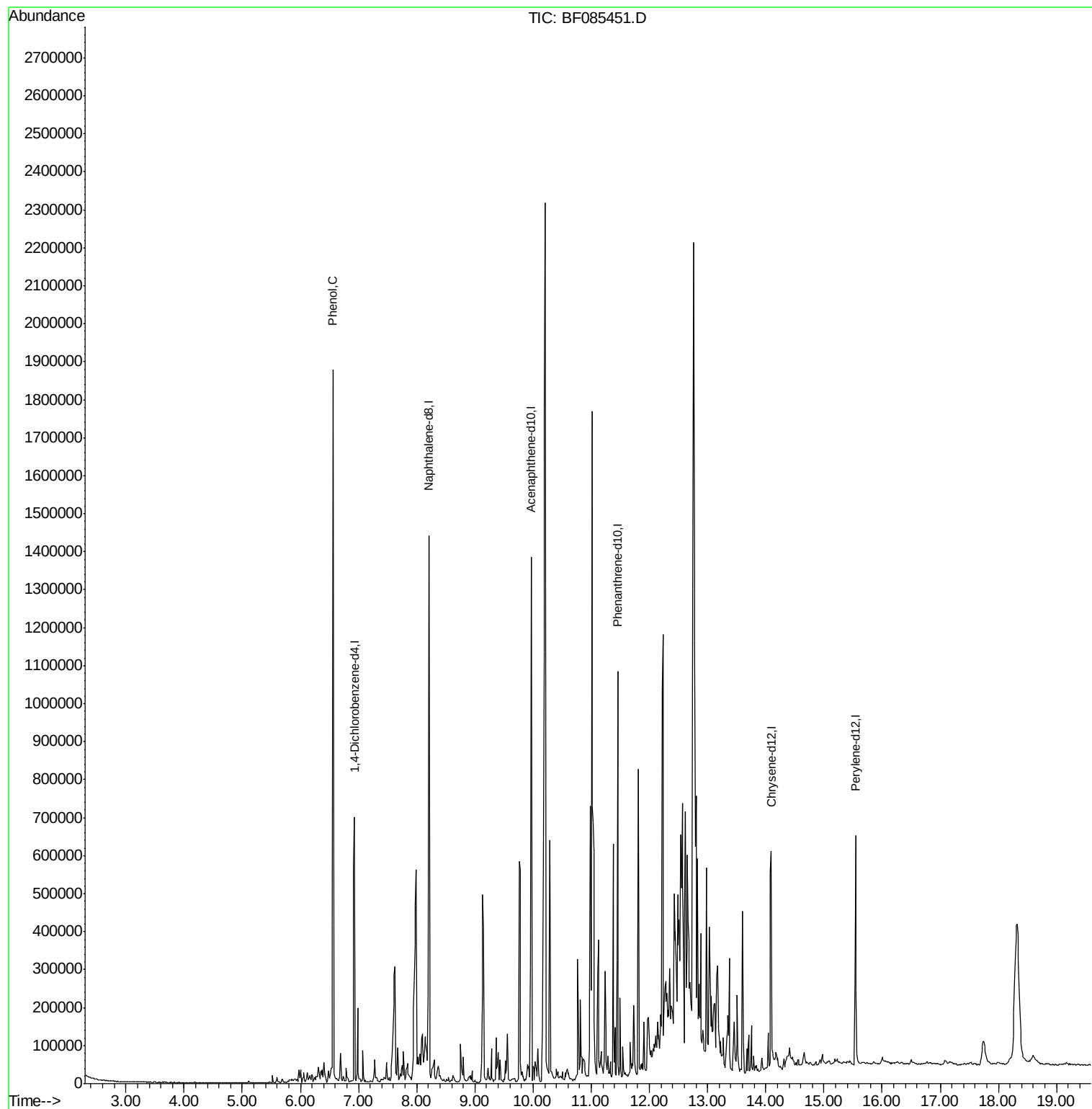
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.93  | 152  | 146997   | 20.00 | ng    | -0.06        |
| 21) Naphthalene-d8          | 8.21  | 136  | 580987   | 20.00 | ng    | -0.06        |
| 38) Acenaphthene-d10        | 9.97  | 164  | 254029   | 20.00 | ng    | -0.06        |
| 63) Phenanthrene-d10        | 11.45 | 188  | 377263   | 20.00 | ng    | -0.06        |
| 75) Chrysene-d12            | 14.09 | 240  | 264200   | 20.00 | ng    | -0.06        |
| 86) Perylene-d12            | 15.55 | 264  | 252380   | 20.00 | ng    | -0.07        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.52  | 112  | 6362     | 0.73  | ng    | -0.06        |
| 7) Phenol-d6                | 6.55  | 99   | 5427     | 0.47  | ng    | -0.06        |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 18542    | 1.71  | ng    | -0.07        |
| 41) 2,4,6-Tribromophenol    | 10.76 | 330  | 2658     | 1.22  | ng    | -0.06        |
| 44) 2-Fluorobiphenyl        | 9.28  | 172  | 23571    | 1.41  | ng    | -0.07        |
| 78) Terphenyl-d14           | 13.03 | 244  | 7029     | 0.62  | ng    | -0.06        |
| Target Compounds            |       |      |          |       |       |              |
| 10) Phenol                  | 6.56  | 94   | 618294   | 50.28 | ng    | Qvalue<br>92 |

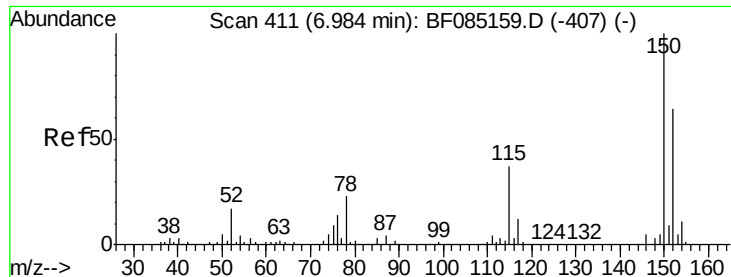
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 04 00:54:58 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF085451.D

Acq: 15 Mar 2016 10:51

Instrument :

BNA\_F

ClientSampleId :

EFF-WESTE-WATERDL

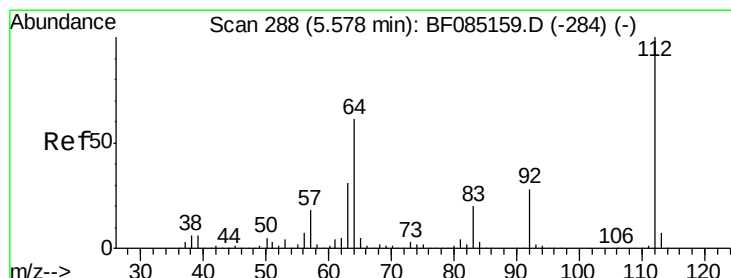
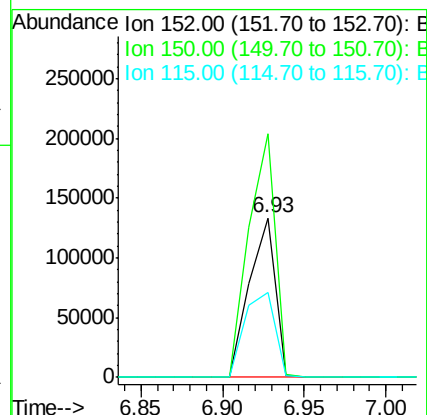
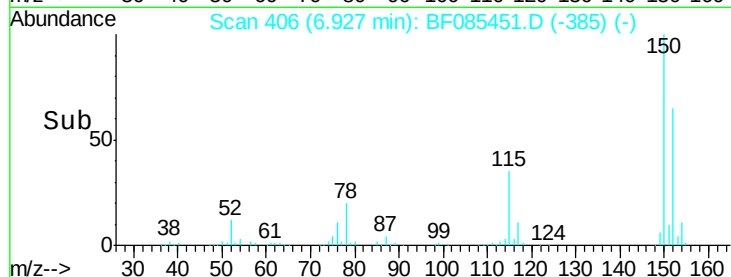
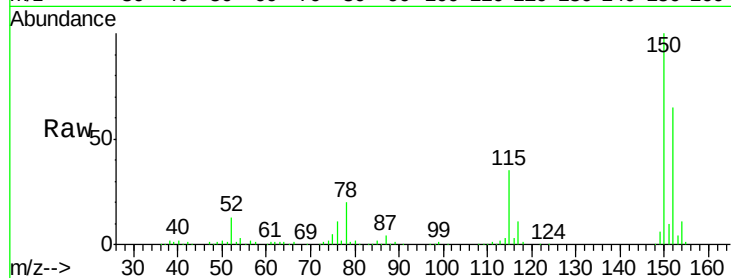
Tgt Ion:152 Resp: 146997

Ion Ratio Lower Upper

152 100

150 153.0 124.6 186.8

115 53.2 46.6 70.0



#5

2-Fluorophenol

Concen: 0.73 ng

RT: 5.52 min Scan# 283

Delta R.T. -0.06 min

Lab File: BF085451.D

Acq: 15 Mar 2016 10:51

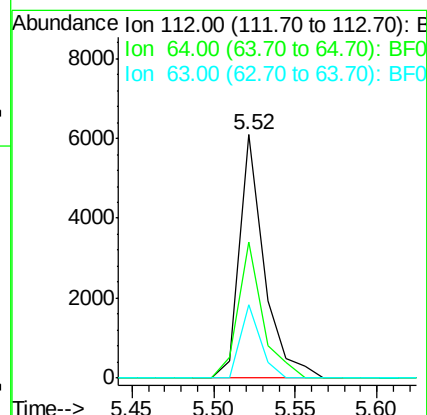
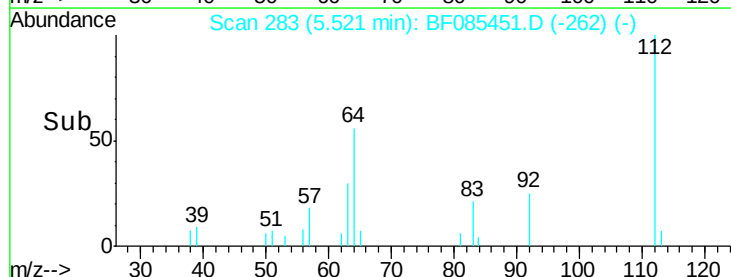
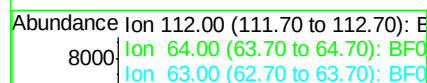
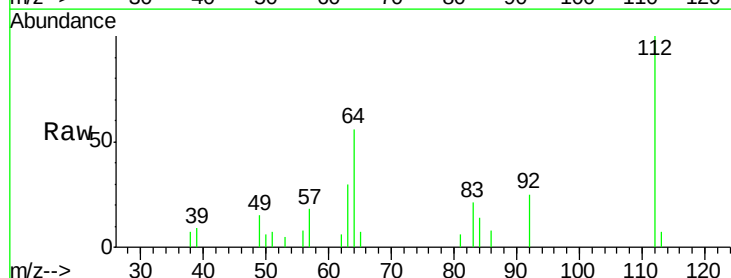
Tgt Ion:112 Resp: 6362

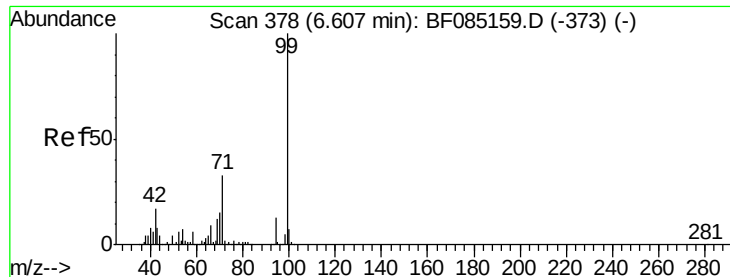
Ion Ratio Lower Upper

112 100

64 55.7 49.0 73.4

63 30.1 24.8 37.2





#7

Phenol-d6

Concen: 0.47 ng

RT: 6.55 min Scan# 373

Delta R.T. -0.06 min

Lab File: BF085451.D

Acq: 15 Mar 2016 10:51

Instrument :

BNA\_F

ClientSampleId :

EFF-WESTE-WATERDL

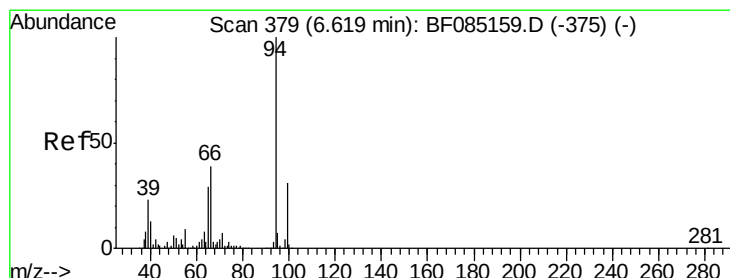
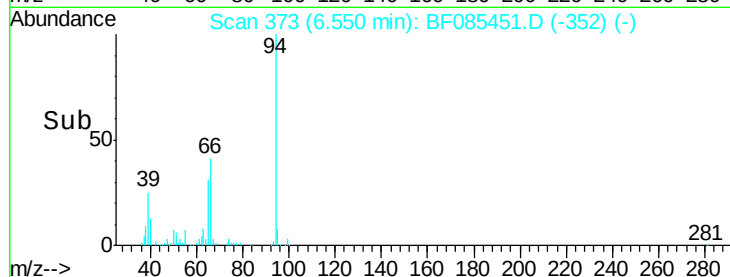
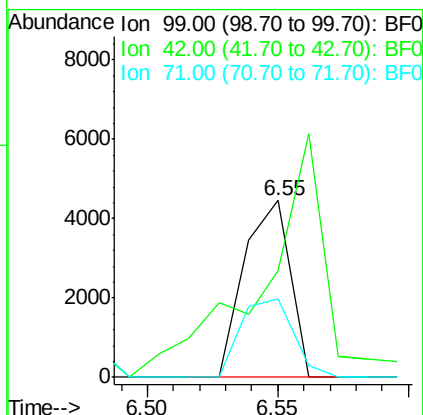
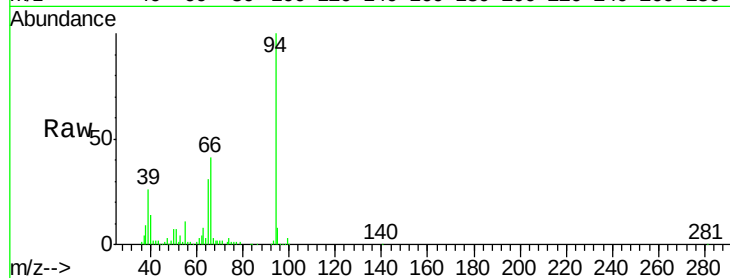
Tgt Ion: 99 Resp: 5427

Ion Ratio Lower Upper

99 100

42 60.6 13.6 20.4#

71 44.7 26.7 40.1#



#10

Phenol

Concen: 50.28 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.06 min

Lab File: BF085451.D

Acq: 15 Mar 2016 10:51

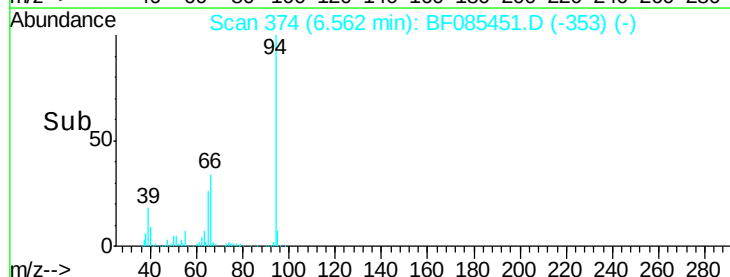
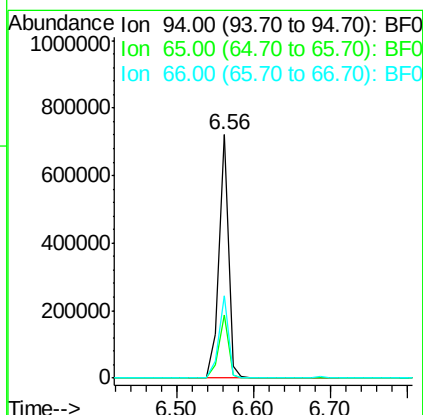
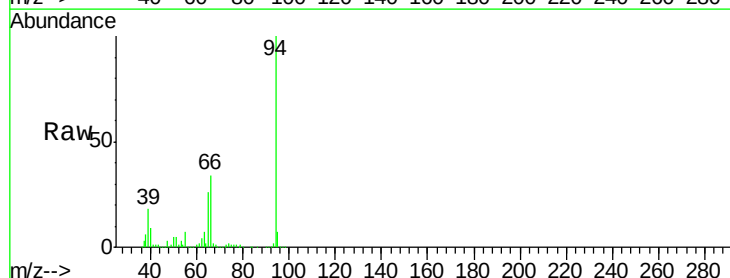
Tgt Ion: 94 Resp: 618294

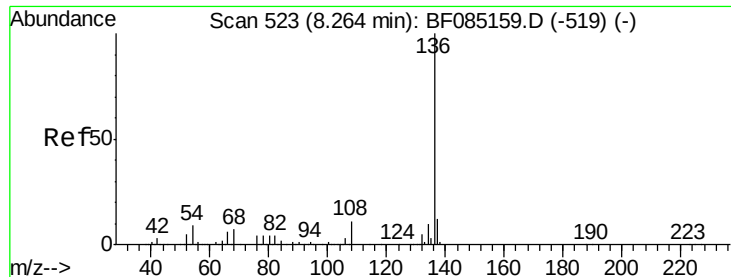
Ion Ratio Lower Upper

94 100

65 25.8 9.1 49.1

66 33.8 19.3 59.3

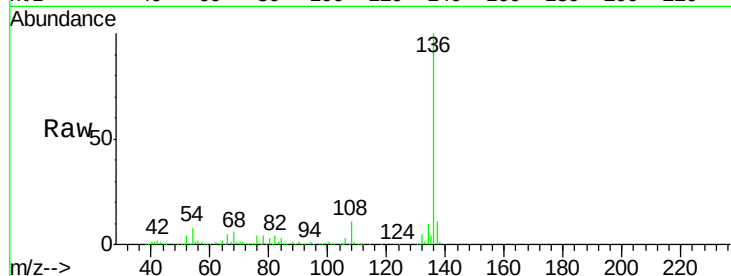




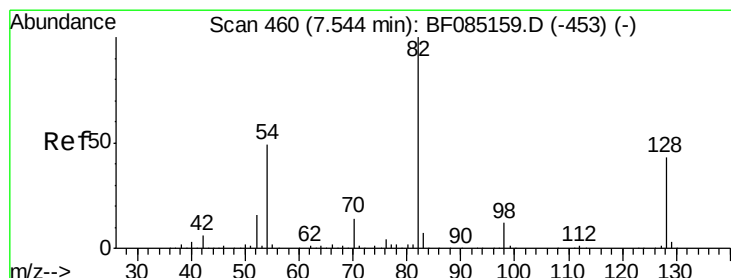
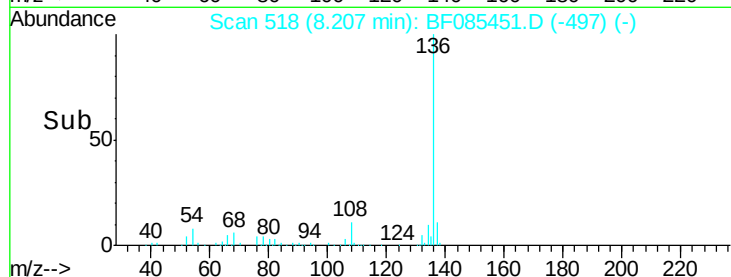
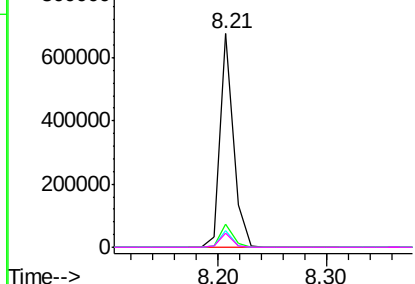
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.21 min Scan# 518  
Delta R.T. -0.06 min  
Lab File: BF085451.D  
Acq: 15 Mar 2016 10:51

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WESTE-WATERDL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 580987 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.3   | 13.9   |
| 54       | 7.8   | 7.4   | 11.2   |
| 68       | 6.5   | 6.0   | 9.0    |

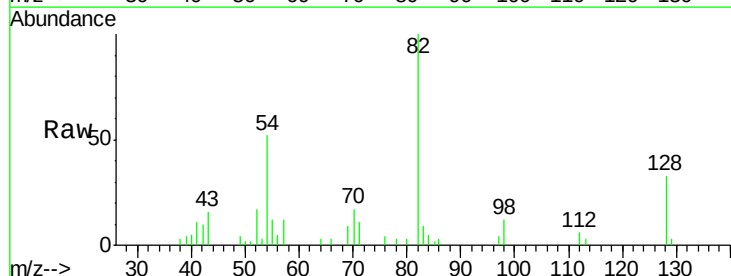


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

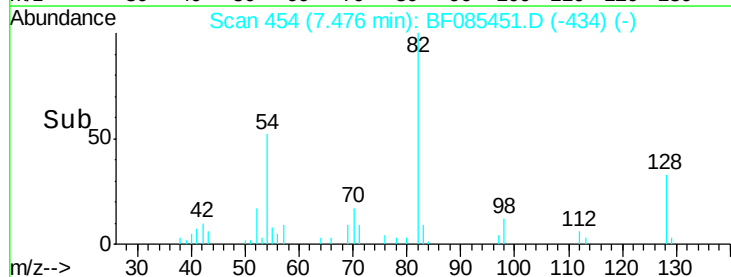
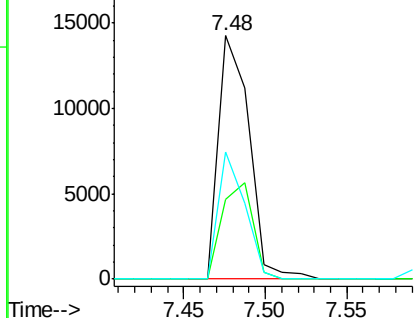


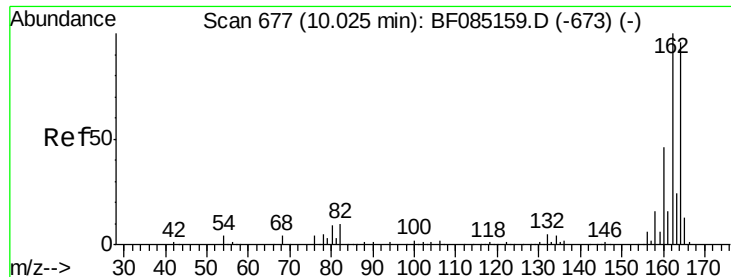
#23  
Nitrobenzene-d5  
Concen: 1.71 ng  
RT: 7.48 min Scan# 454  
Delta R.T. -0.07 min  
Lab File: BF085451.D  
Acq: 15 Mar 2016 10:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 18542 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 32.6  | 34.5  | 51.7# |
| 54       | 52.3  | 39.3  | 58.9  |



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: 9.97 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF085451.D

Acq: 15 Mar 2016 10:51

Instrument :

BNA\_F

ClientSampleId :

EFF-WESTE-WATERDL

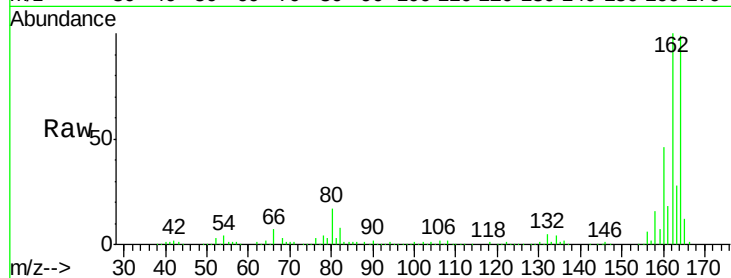
Tgt Ion:164 Resp: 254029

Ion Ratio Lower Upper

164 100

162 101.0 83.3 124.9

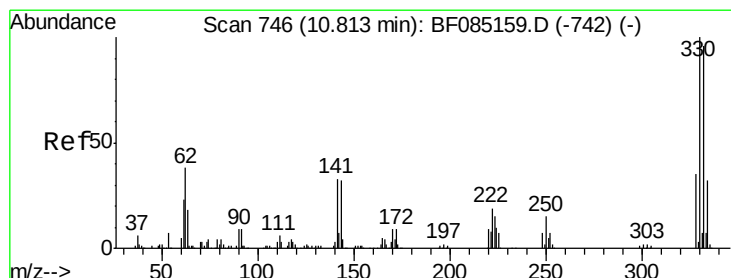
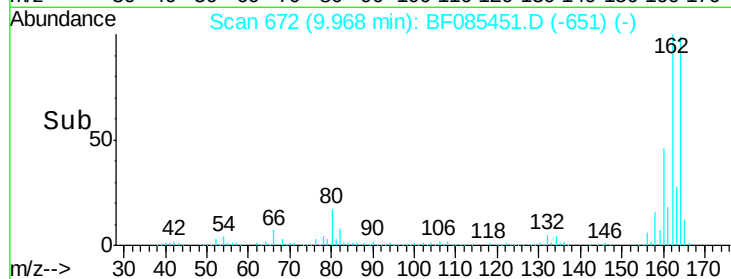
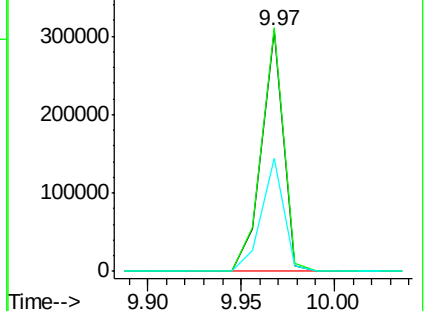
160 47.0 37.9 56.9



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



#41

2,4,6-Tribromophenol

Concen: 1.22 ng

RT: 10.76 min Scan# 741

Delta R.T. -0.06 min

Lab File: BF085451.D

Acq: 15 Mar 2016 10:51

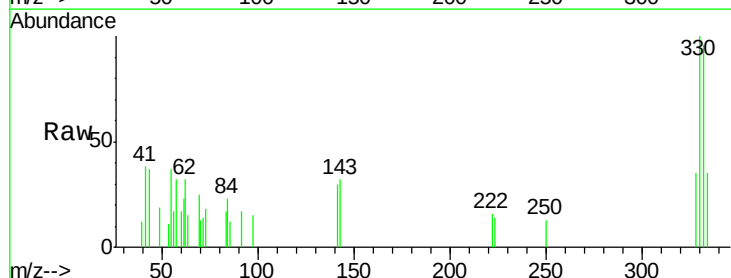
Tgt Ion:330 Resp: 2658

Ion Ratio Lower Upper

330 100

332 96.1 77.1 115.7

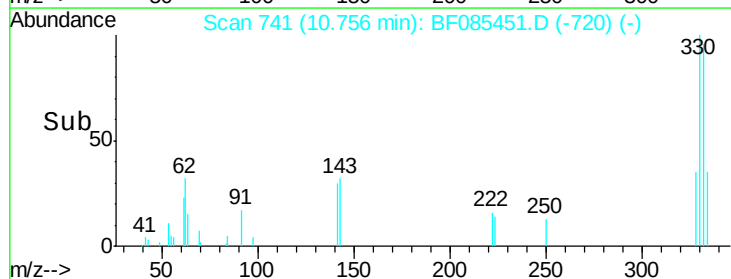
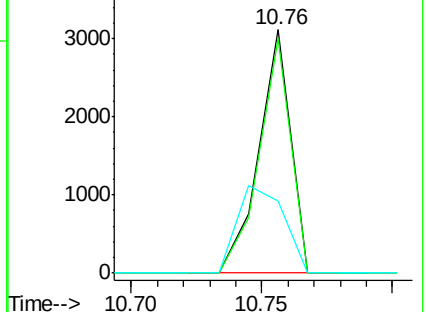
141 52.7 35.0 52.6#

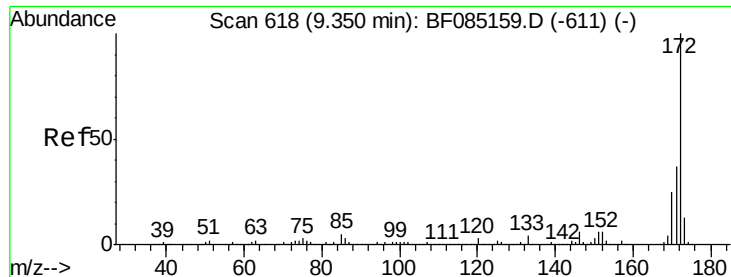


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

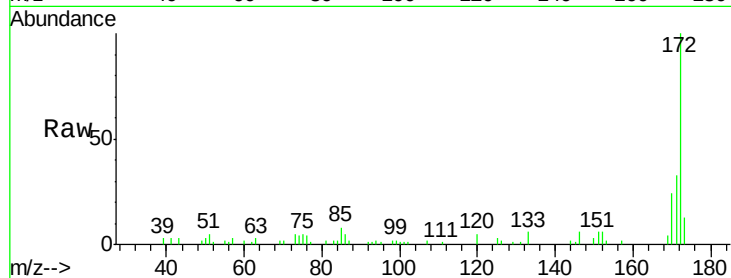




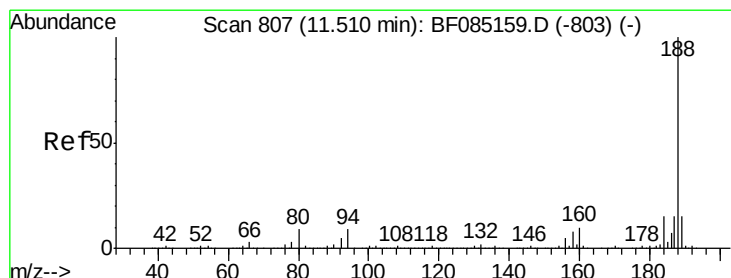
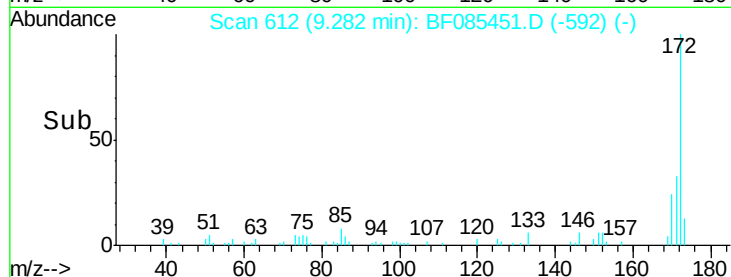
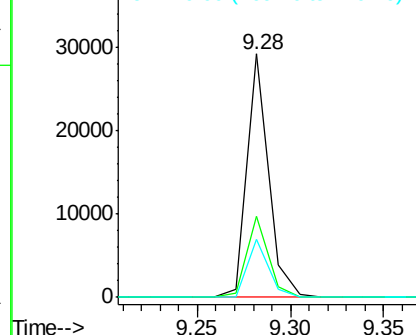
#44  
2-Fluorobiphenyl  
Concen: 1.41 ng  
RT: 9.28 min Scan# 612  
Delta R.T. -0.07 min  
Lab File: BF085451.D  
Acq: 15 Mar 2016 10:51

Instrument :  
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ClientSampleId :  
EFF-WESTE-WATERDL

Tgt Ion:172 Resp: 23571  
Ion Ratio Lower Upper  
172 100  
171 33.5 29.3 43.9  
170 23.8 20.0 30.0

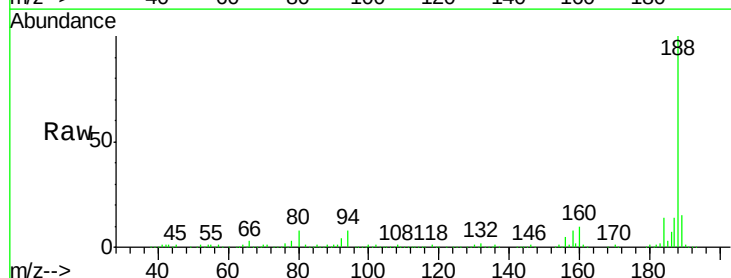


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

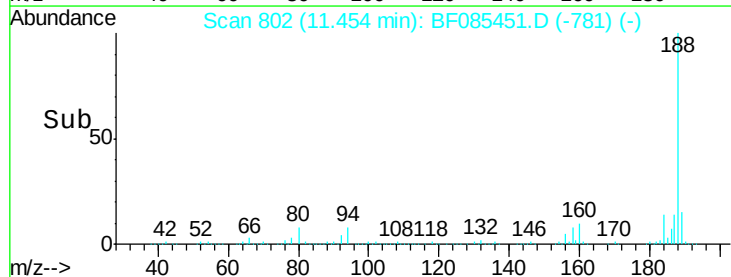
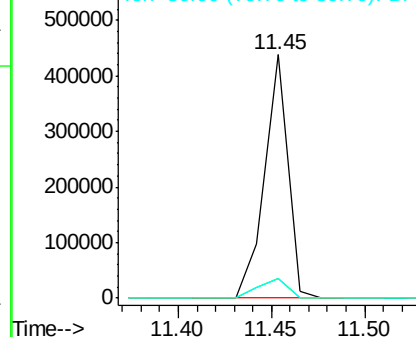


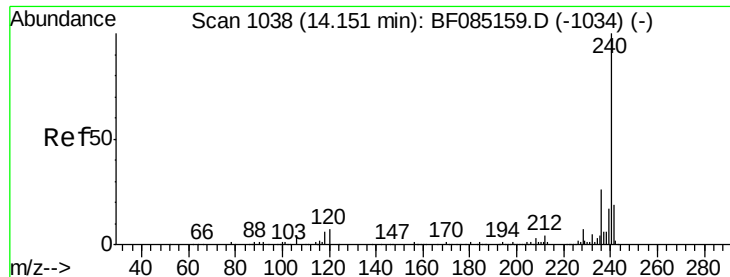
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.45 min Scan# 802  
Delta R.T. -0.06 min  
Lab File: BF085451.D  
Acq: 15 Mar 2016 10:51

Tgt Ion:188 Resp: 377263  
Ion Ratio Lower Upper  
188 100  
94 8.1 7.0 10.6  
80 8.2 7.4 11.0



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: 14.09 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF085451.D

Acq: 15 Mar 2016 10:51

Instrument :

BNA\_F

ClientSampleId :

EFF-WESTE-WATERDL

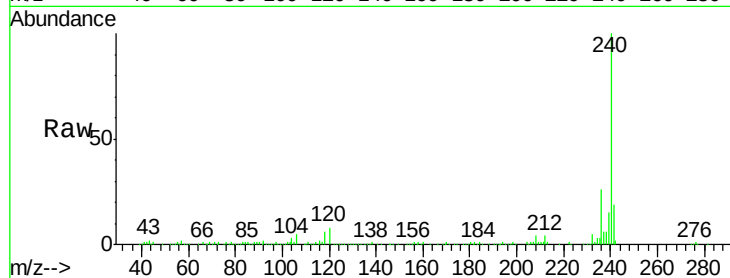
Tgt Ion:240 Resp: 264200

Ion Ratio Lower Upper

240 100

120 7.6 5.3 7.9

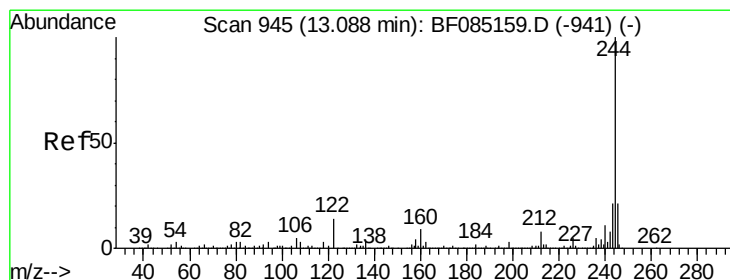
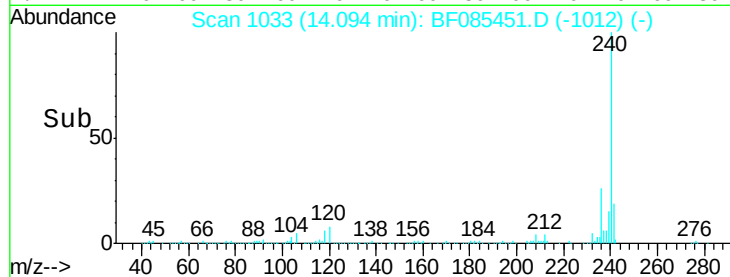
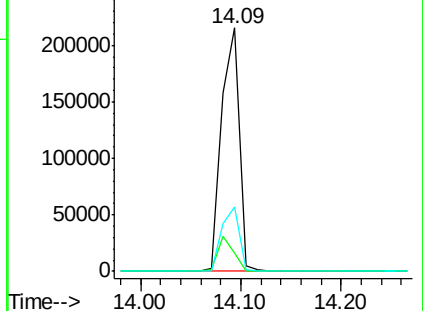
236 26.2 20.7 31.1



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: 0.62 ng

RT: 13.03 min Scan# 940

Delta R.T. -0.06 min

Lab File: BF085451.D

Acq: 15 Mar 2016 10:51

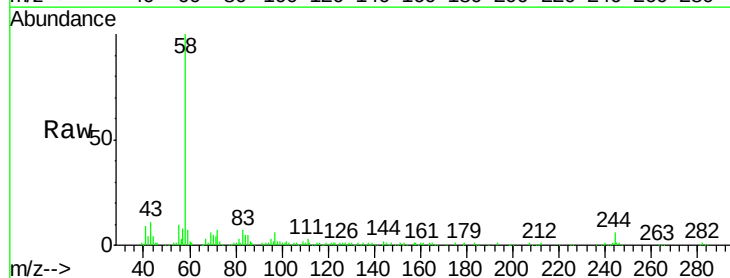
Tgt Ion:244 Resp: 7029

Ion Ratio Lower Upper

244 100

212 10.2 6.4 9.6#

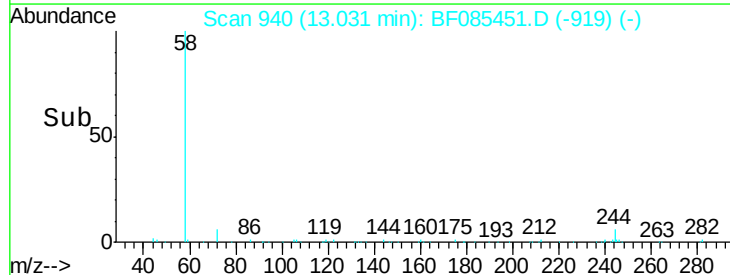
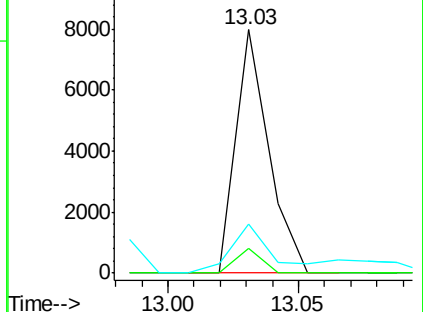
122 19.9 11.4 17.2#



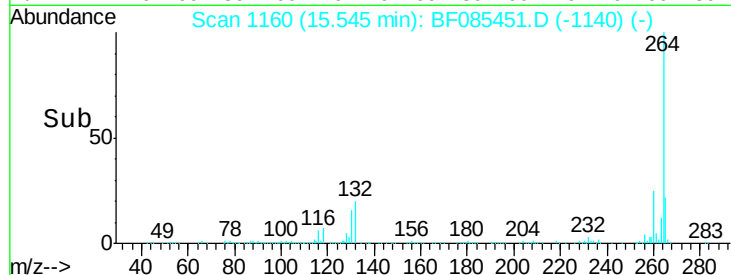
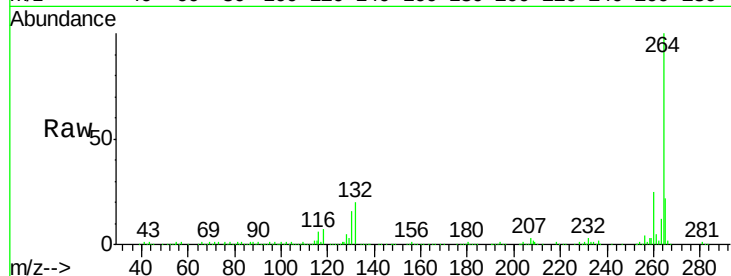
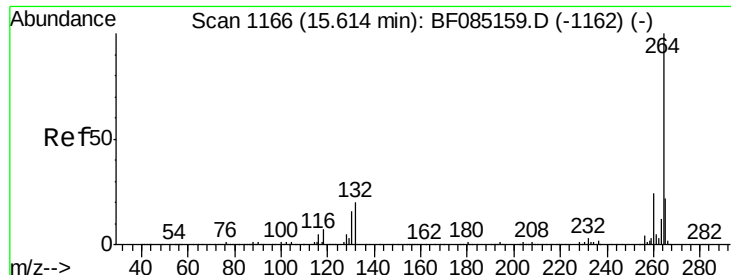
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.55 min Scan# 1160  
Delta R.T. -0.07 min  
Lab File: BF085451.D  
Acq: 15 Mar 2016 10:51

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WESTE-WATERDL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 252380 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.8  | 19.2  | 28.8   |
| 265      | 21.6  | 17.3  | 25.9   |

