

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031817\  
 Data File : BF093744.D  
 Acq On : 18 Mar 2017 10:49  
 Operator : SJ/MA  
 Sample : I2263-03  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-101I

Quant Time: Mar 20 01:27:43 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 18 05:21:29 2017  
 Response via : Initial Calibration

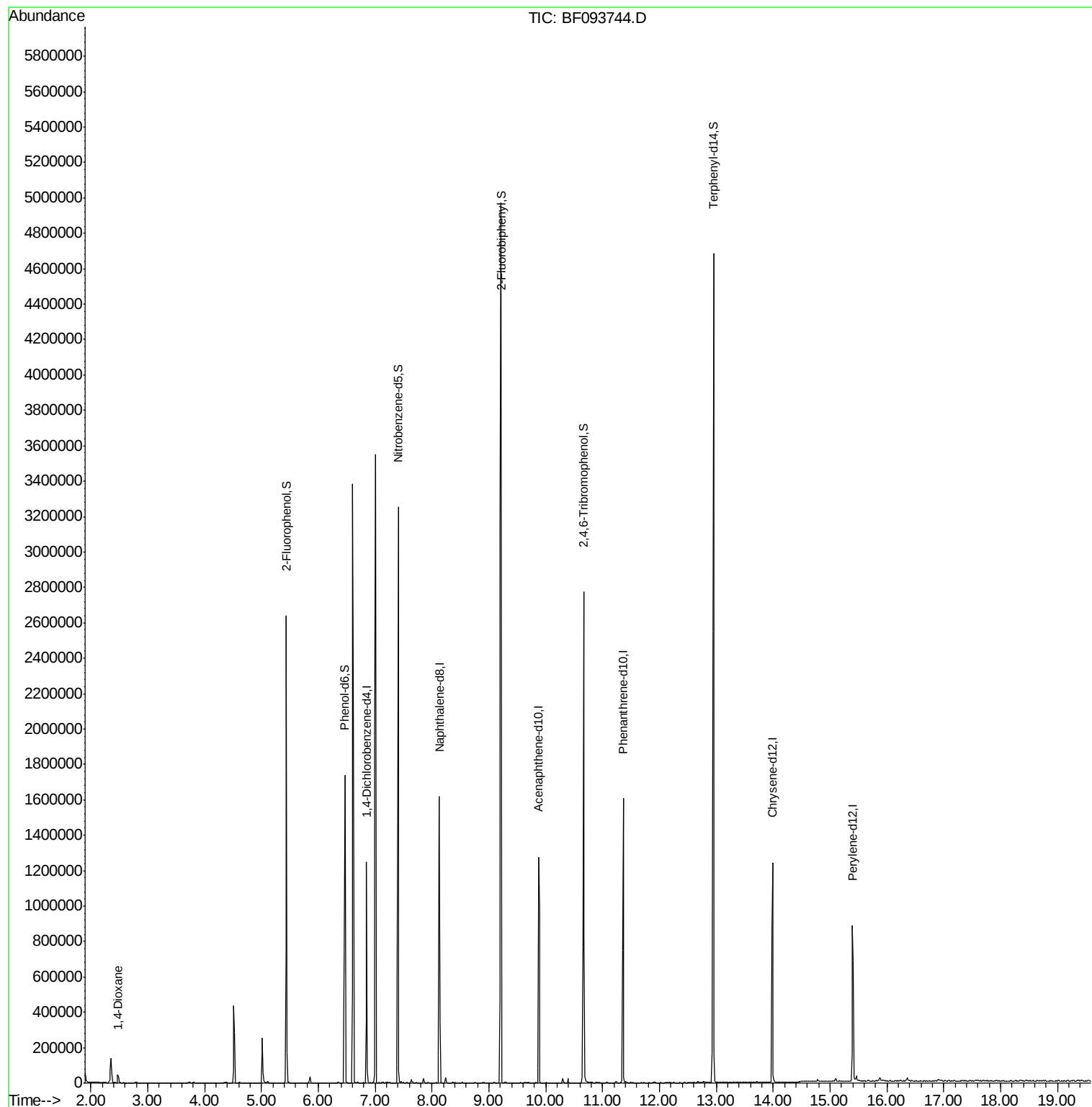
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 193000   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.13  | 136  | 720219   | 20.00  | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.88  | 164  | 339981   | 20.00  | ng    | -0.01        |
| 63) Phenanthrene-d10        | 11.36 | 188  | 647492   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 13.99 | 240  | 552327   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 15.40 | 264  | 441645   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.44  | 112  | 708374   | 61.19  | ng    | 0.00         |
| 7) Phenol-d6                | 6.47  | 99   | 648660   | 45.21  | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 1150679  | 95.89  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 366996   | 164.94 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 1998827  | 110.94 | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.95 | 244  | 1620486  | 63.15  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 2) 1,4-Dioxane              | 2.47  | 88   | 25725    | 4.30   | ng    | Qvalue<br>98 |

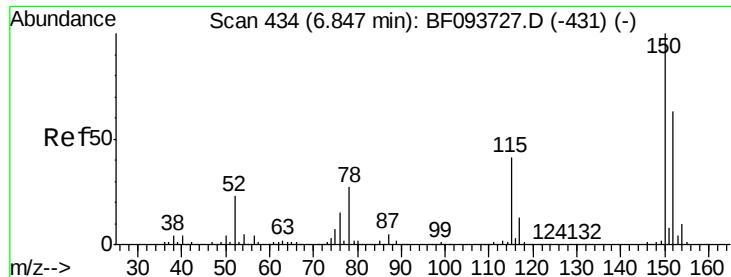
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031817\  
Data File : BF093744.D  
Acq On : 18 Mar 2017 10:49  
Operator : SJ/MA  
Sample : I2263-03  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-101I

Quant Time: Mar 20 01:27:43 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 18 05:21:29 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 434

Delta R.T. -0.00 min

Lab File: BF093744.D

Acq: 18 Mar 2017 10:49

Instrument :

BNA\_F

ClientSampleId :

MW-101I

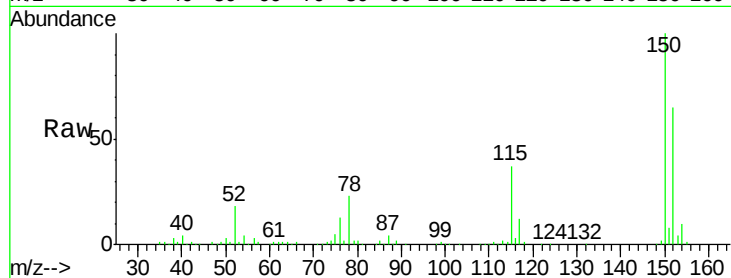
Tgt Ion:152 Resp: 193000

Ion Ratio Lower Upper

152 100

150 154.3 126.2 189.2

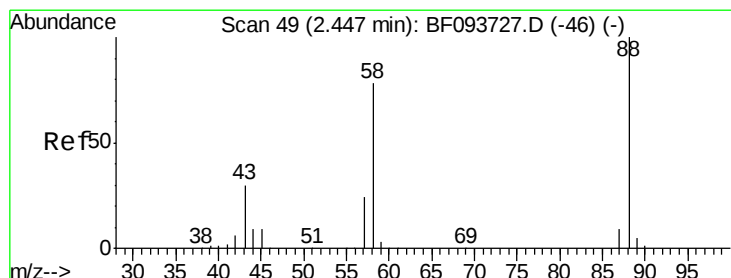
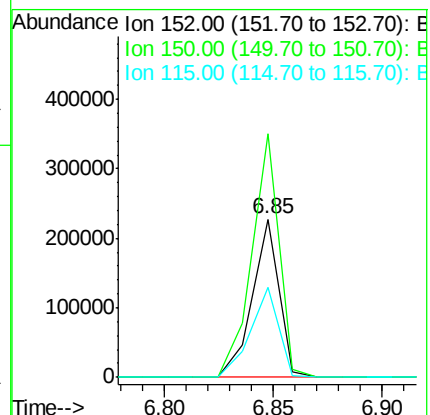
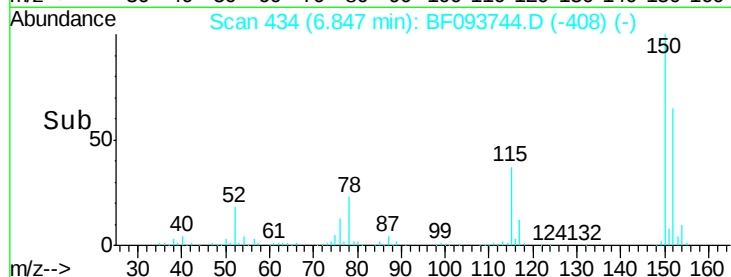
115 57.1 52.2 78.2



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



#2

1,4-Dioxane

Concen: 4.30 ng

RT: 2.47 min Scan# 51

Delta R.T. 0.02 min

Lab File: BF093744.D

Acq: 18 Mar 2017 10:49

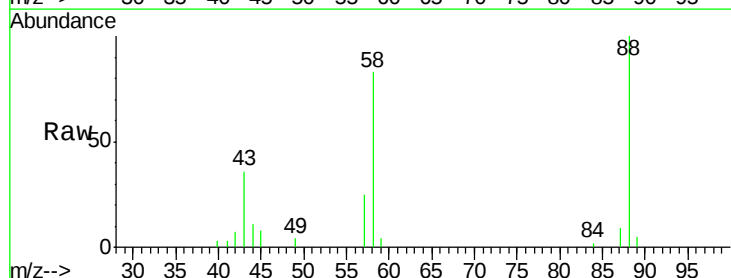
Tgt Ion: 88 Resp: 25725

Ion Ratio Lower Upper

88 100

58 77.0 61.4 92.0

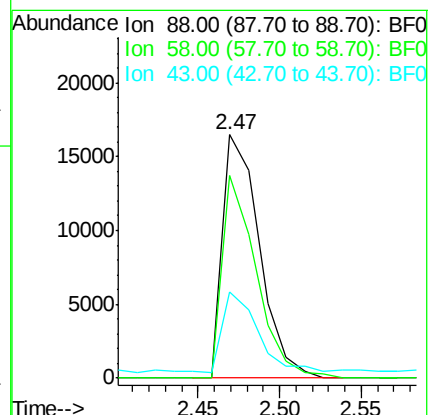
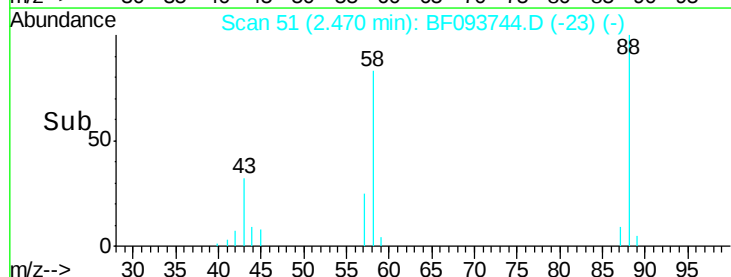
43 32.2 23.4 35.0

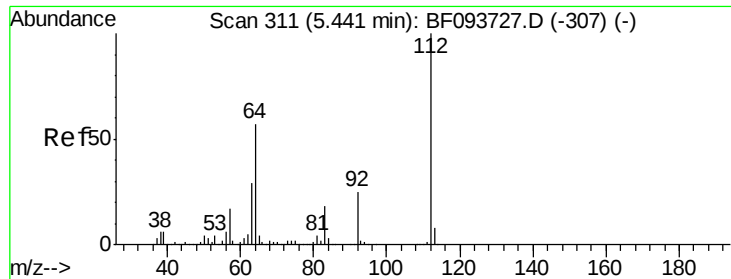


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 61.19 ng

RT: 5.44 min Scan# 311

Delta R.T. -0.00 min

Lab File: BF093744.D

Acq: 18 Mar 2017 10:49

Instrument :

BNA\_F

ClientSampleId :

MW-101I

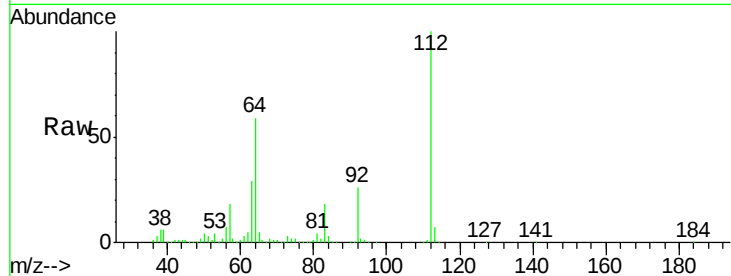
Tgt Ion: 112 Resp: 708374

Ion Ratio Lower Upper

112 100

64 59.1 46.0 69.0

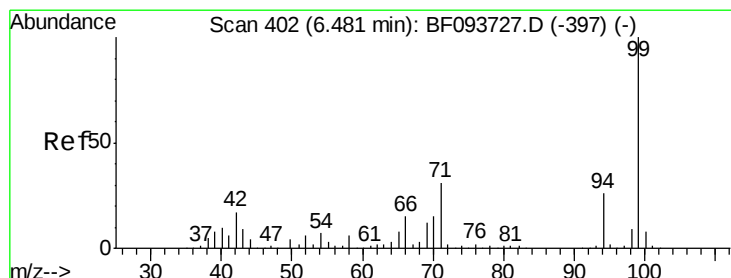
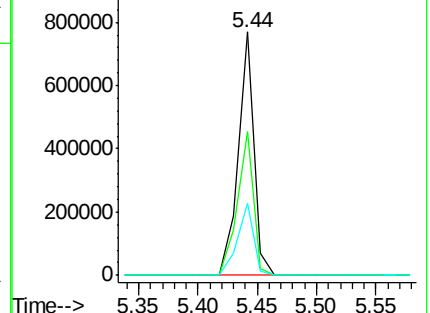
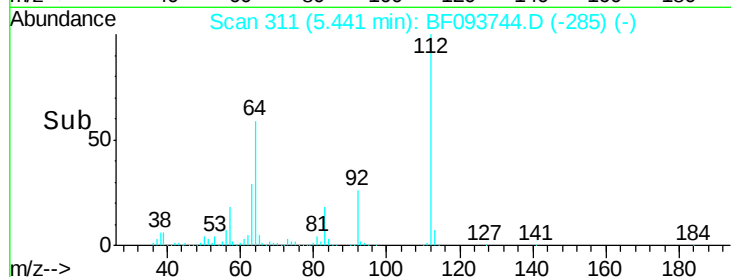
63 29.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 45.21 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF093744.D

Acq: 18 Mar 2017 10:49

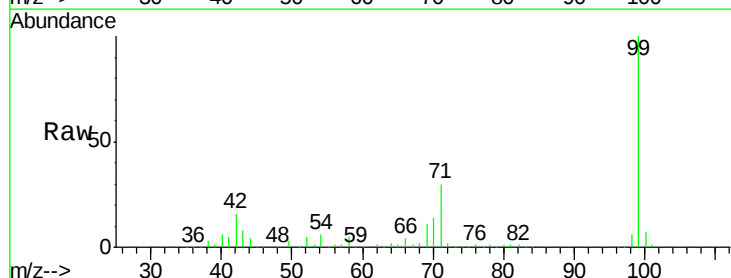
Tgt Ion: 99 Resp: 648660

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

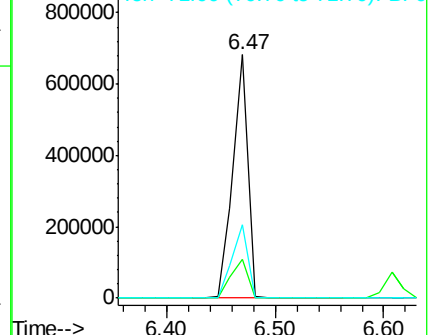
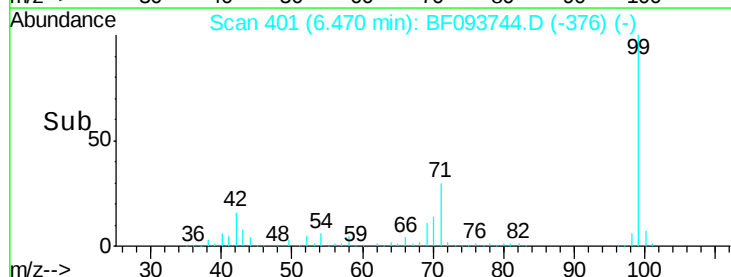
71 30.2 24.5 36.7

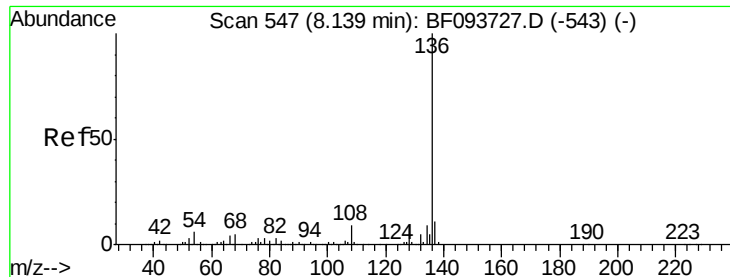


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

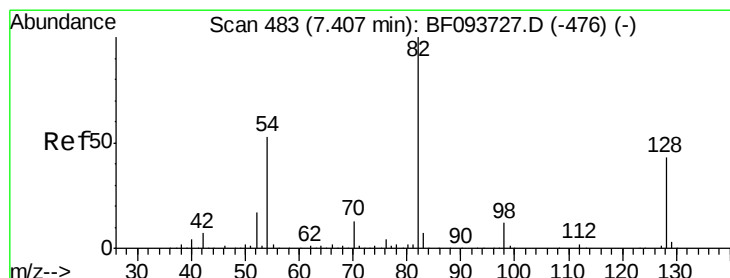
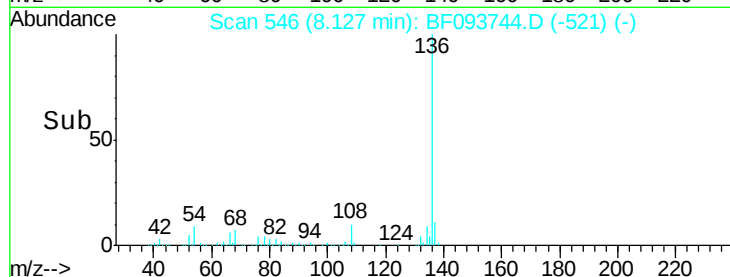
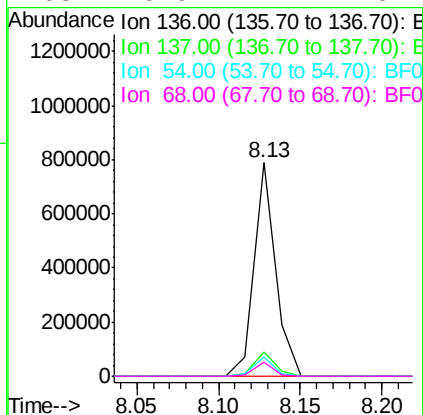
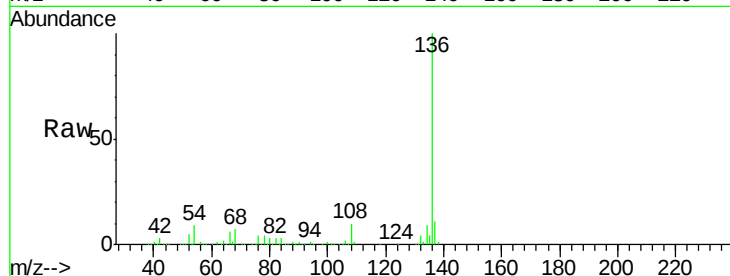




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 546  
Delta R.T. -0.01 min  
Lab File: BF093744.D  
Acq: 18 Mar 2017 10:49

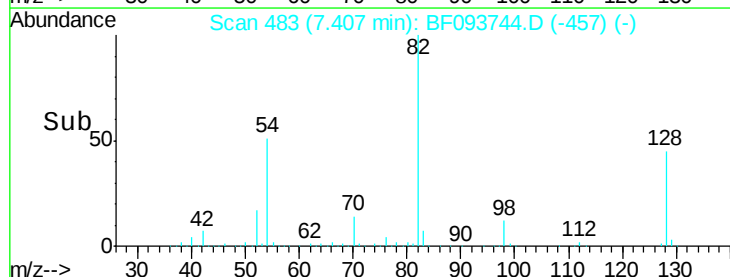
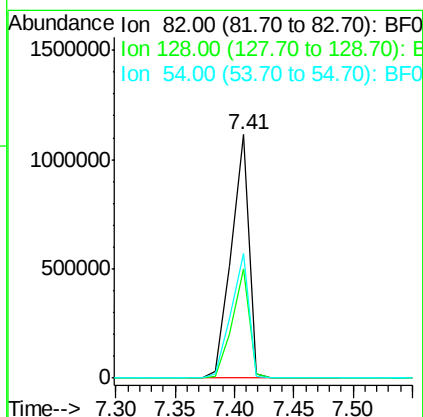
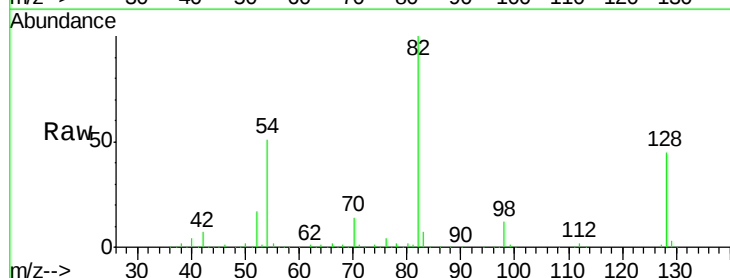
Instrument :  
BNA\_F  
ClientSampleId :  
MW-101I

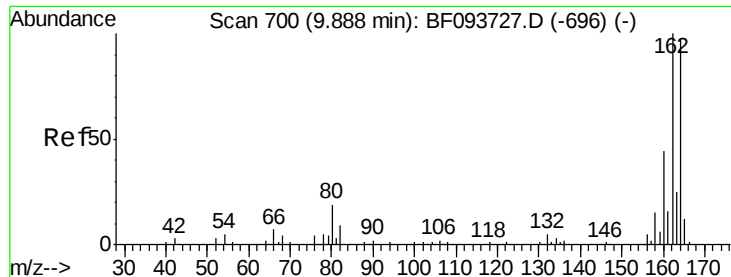
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 720219 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.5   | 12.7   |
| 54       | 9.0   | 4.9   | 7.3#   |
| 68       | 6.9   | 4.1   | 6.1#   |



#23  
Nitrobenzene-d5  
Concen: 95.89 ng  
RT: 7.41 min Scan# 483  
Delta R.T. 0.00 min  
Lab File: BF093744.D  
Acq: 18 Mar 2017 10:49

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1150679 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 44.9  | 34.0  | 51.0    |
| 54       | 51.2  | 42.2  | 63.2    |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF093744.D

Acq: 18 Mar 2017 10:49

Instrument :

BNA\_F

ClientSampleId :

MW-101I

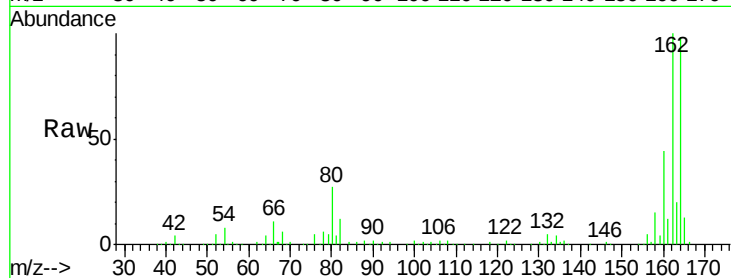
Tgt Ion:164 Resp: 339981

Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

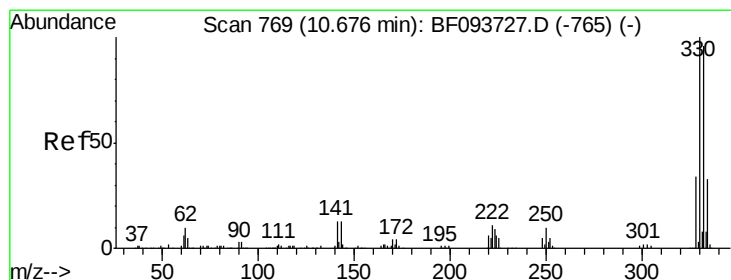
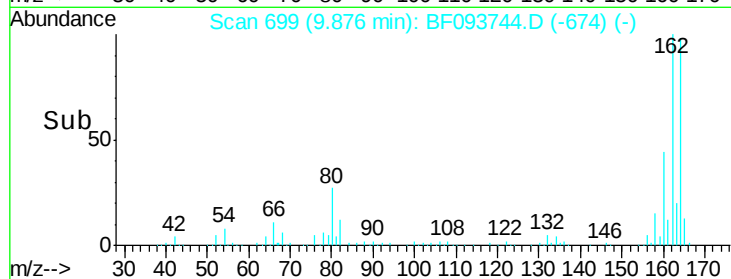
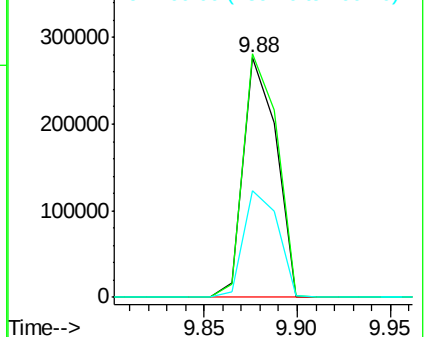
160 44.4 36.2 54.2



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: 164.94 ng

RT: 10.66 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF093744.D

Acq: 18 Mar 2017 10:49

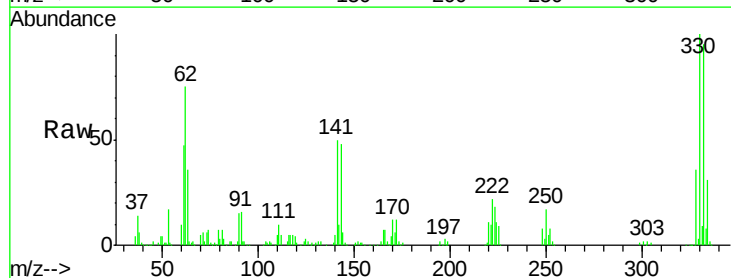
Tgt Ion:330 Resp: 366996

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

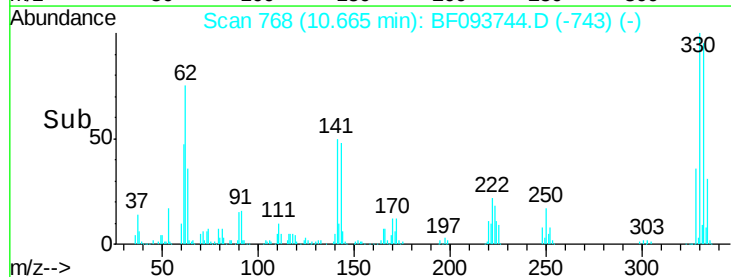
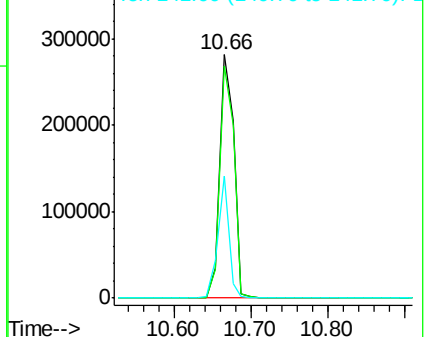
141 38.9 31.4 47.2

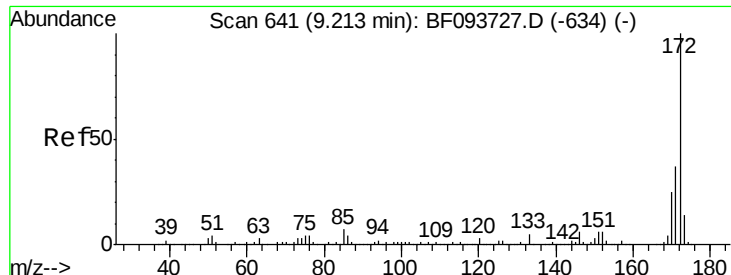


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

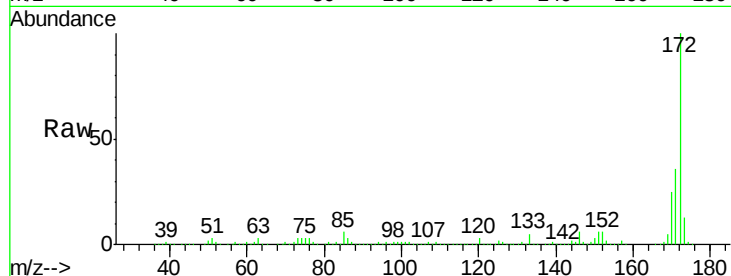




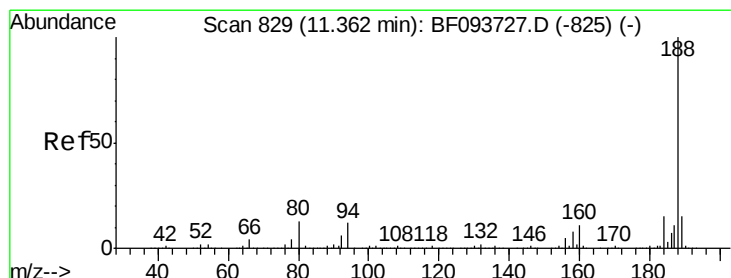
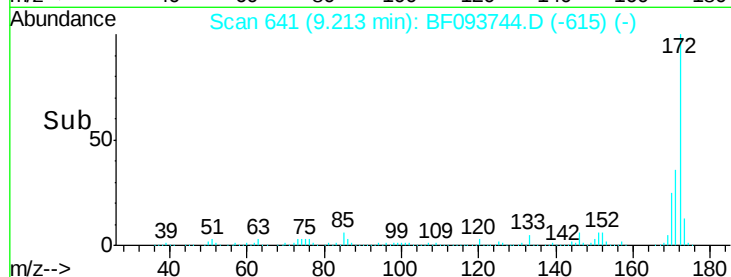
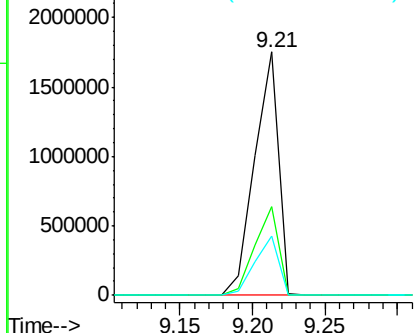
#44  
 2-Fluorobiphenyl  
 Concen: 110.94 ng  
 RT: 9.21 min Scan# 641  
 Delta R.T. 0.00 min  
 Lab File: BF093744.D  
 Acq: 18 Mar 2017 10:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-101I

Tgt Ion:172 Resp: 1998827  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.6 44.4  
 170 24.6 19.8 29.8

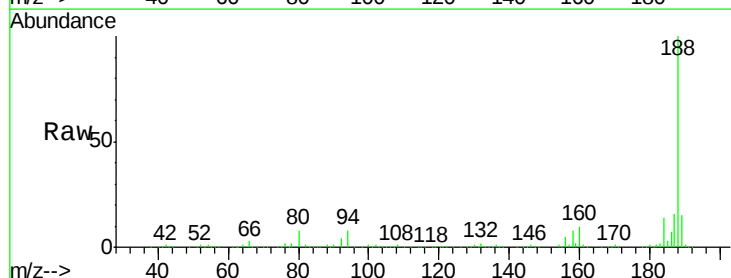


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

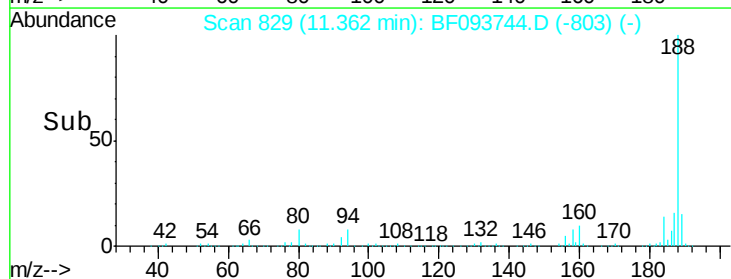
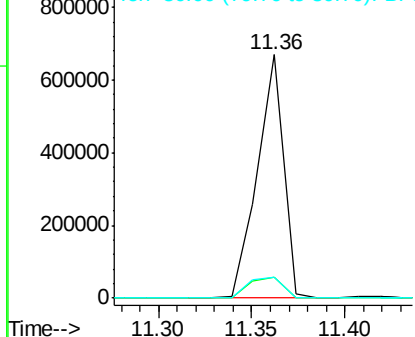


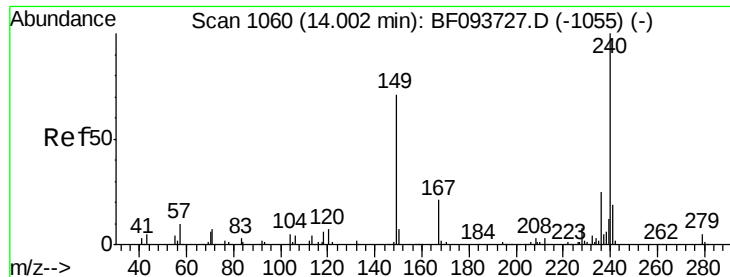
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.36 min Scan# 829  
 Delta R.T. -0.00 min  
 Lab File: BF093744.D  
 Acq: 18 Mar 2017 10:49

Tgt Ion:188 Resp: 647492  
 Ion Ratio Lower Upper  
 188 100  
 94 8.4 9.4 14.2#  
 80 8.3 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: 13.99 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF093744.D

Acq: 18 Mar 2017 10:49

Instrument :

BNA\_F

ClientSampleId :

MW-101I

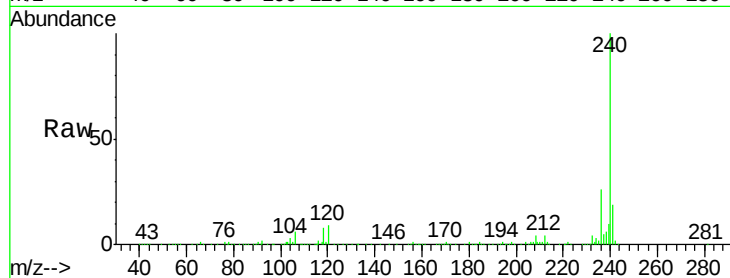
Tgt Ion:240 Resp: 552327

Ion Ratio Lower Upper

240 100

120 9.5 5.8 8.8#

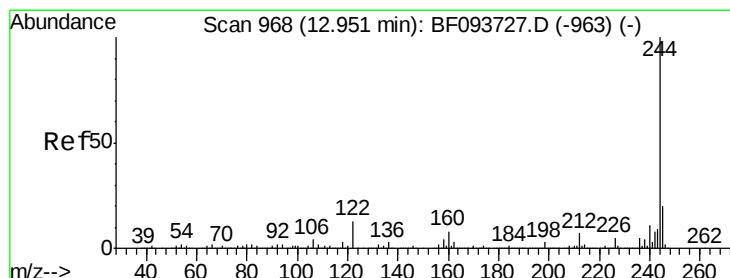
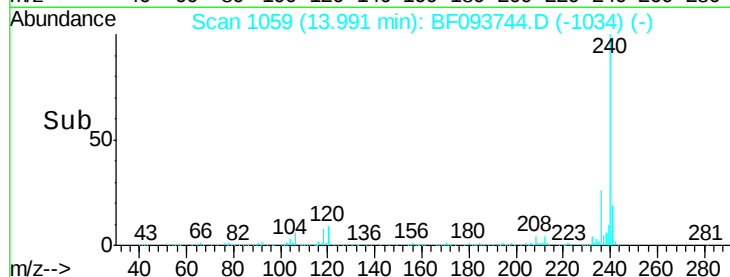
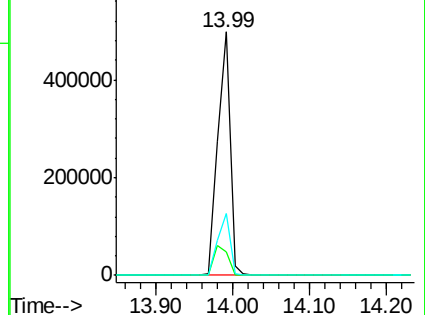
236 25.6 20.5 30.7



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: 63.15 ng

RT: 12.95 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF093744.D

Acq: 18 Mar 2017 10:49

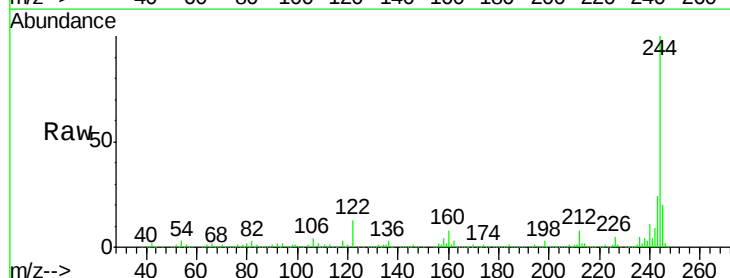
Tgt Ion:244 Resp: 1620486

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

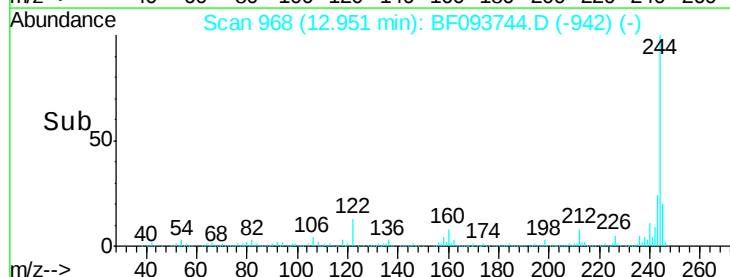
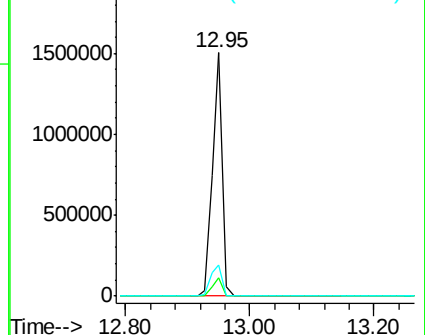
122 12.9 10.3 15.5

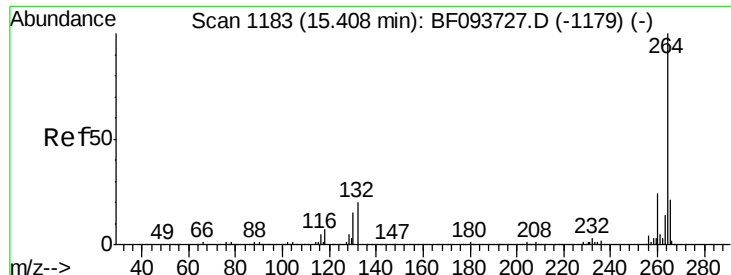


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

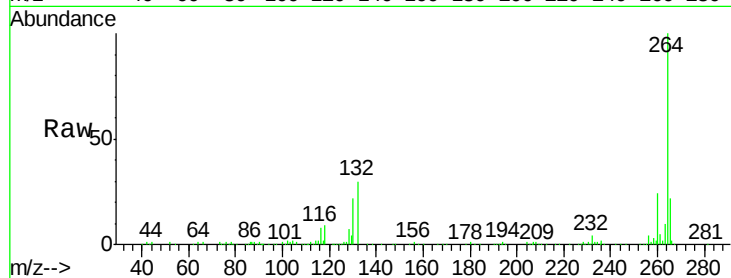




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.40 min Scan# 1182  
Delta R.T. -0.01 min  
Lab File: BF093744.D  
Acq: 18 Mar 2017 10:49

Instrument :  
BNA\_F  
ClientSampleId :  
MW-101I

Tgt Ion: 264 Resp: 441645  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.5 29.3  
265 22.1 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

