

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040417\  
 Data File : BF094180.D  
 Acq On : 4 Apr 2017 21:16  
 Operator : SJ/MA  
 Sample : I2516-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7R

Quant Time: Apr 05 00:59:07 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 14:38:29 2017  
 Response via : Initial Calibration

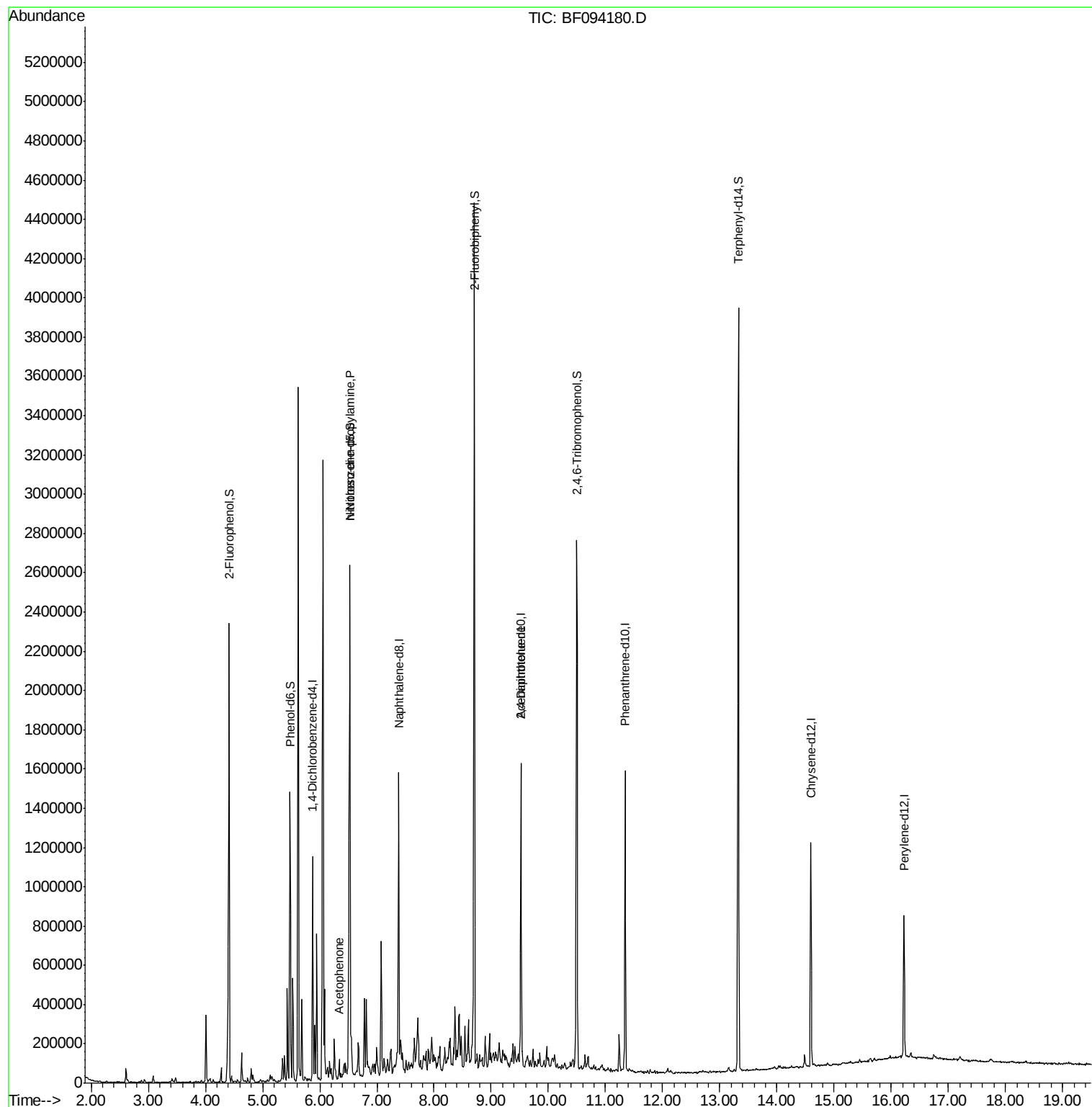
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.87  | 152  | 180700   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 7.38  | 136  | 730841   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 9.52  | 164  | 345469   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10           | 11.34 | 188  | 596604   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 14.60 | 240  | 471512   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 16.23 | 264  | 303329   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.41  | 112  | 653968   | 61.13  | ng    | -0.02    |
| 7) Phenol-d6                   | 5.48  | 99   | 544963   | 41.18  | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 6.53  | 82   | 1062578  | 82.97  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.50 | 330  | 406500   | 148.90 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 8.70  | 172  | 1882520  | 83.11  | ng    | -0.03    |
| 78) Terphenyl-d14              | 13.33 | 244  | 1654583  | 78.66  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.53  | 70   | 145776   | 17.14  | ng    | # 79     |
| 22) Acetophenone               | 6.34  | 105  | 32818    | 2.01   | ng    | # 69     |
| 56) 2,4-Dinitrotoluene         | 9.52  | 165  | 44487    | 6.29   | ng    | # 35     |

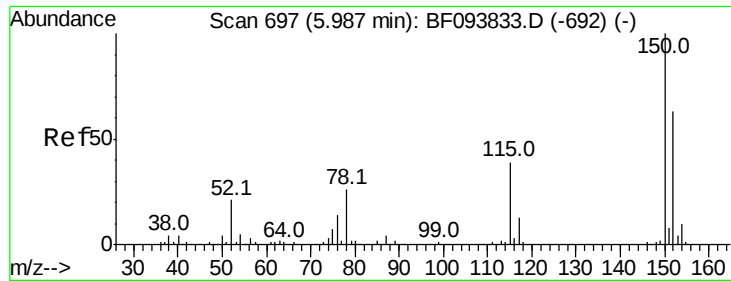
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040417\  
Data File : BF094180.D  
Acq On : 4 Apr 2017 21:16  
Operator : SJ/MA  
Sample : I2516-09  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-7R

Quant Time: Apr 05 00:59:07 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 31 14:38:29 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.87 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF094180.D

Acq: 4 Apr 2017 21:16

Instrument :

BNA\_F

ClientSampleId :

MW-7R

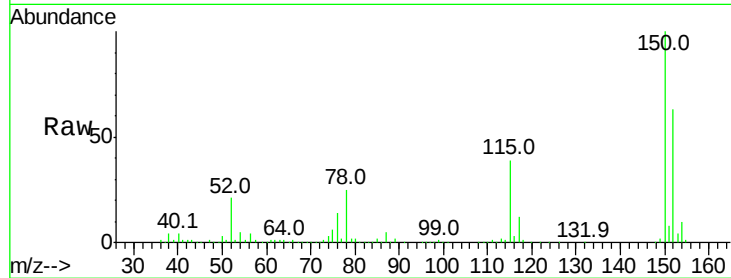
Tot Ion:152 Resp: 180700

Ion Ratio Lower Upper

152 100

150 157.8 126.2 189.2

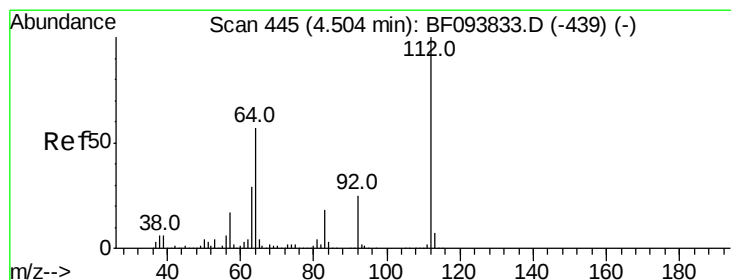
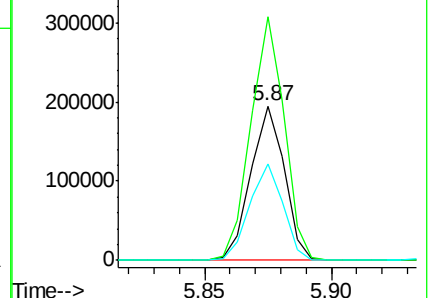
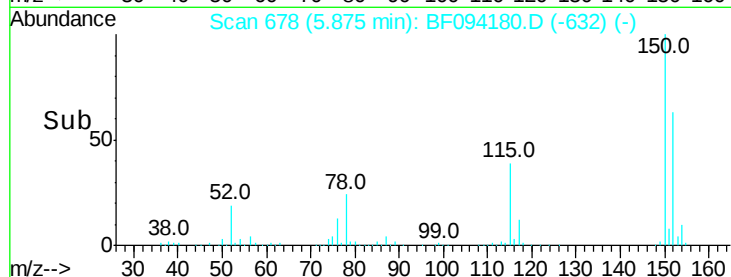
115 62.2 52.2 78.2



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: 61.13 ng

RT: 4.41 min Scan# 429

Delta R.T. -0.02 min

Lab File: BF094180.D

Acq: 4 Apr 2017 21:16

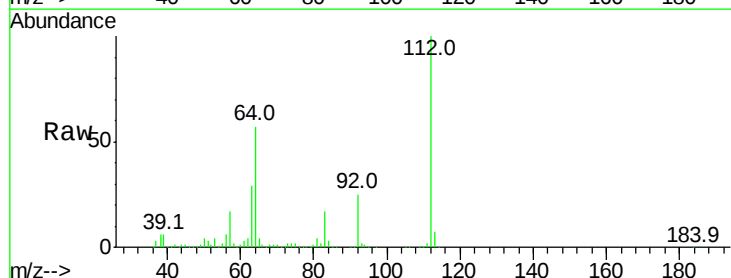
Tgt Ion:112 Resp: 653968

Ion Ratio Lower Upper

112 100

64 57.3 46.0 69.0

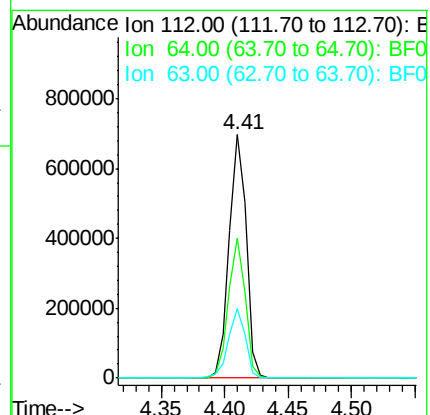
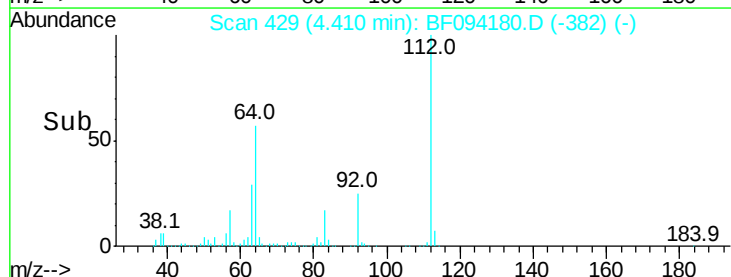
63 28.5 23.4 35.0

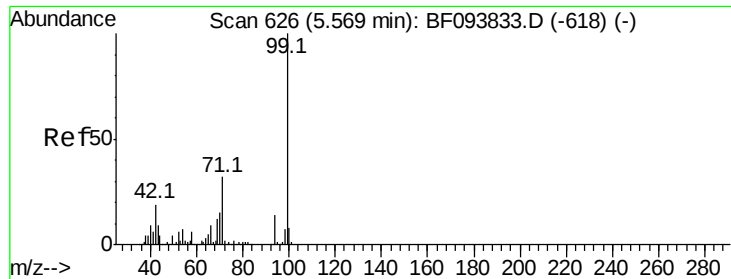


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.18 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.03 min

Lab File: BF094180.D

Acq: 4 Apr 2017 21:16

Instrument :

BNA\_F

ClientSampleId :

MW-7R

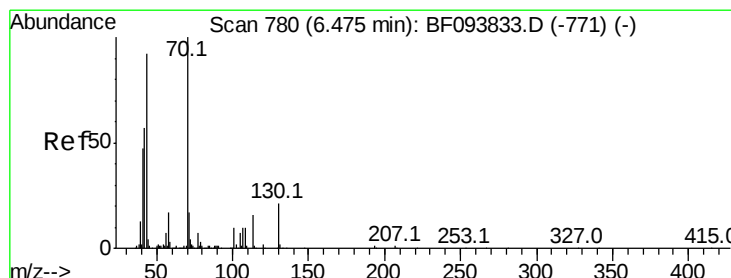
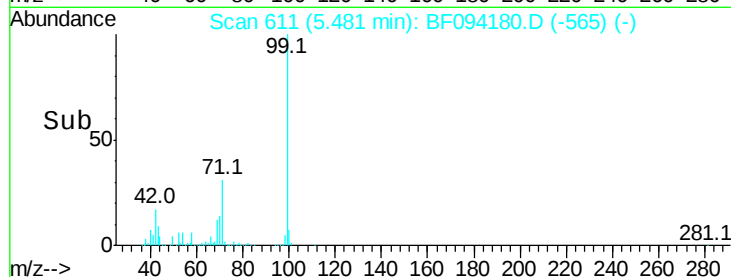
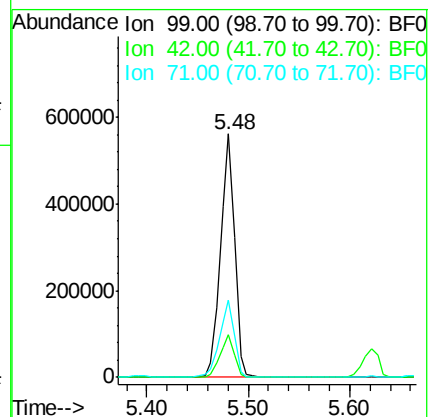
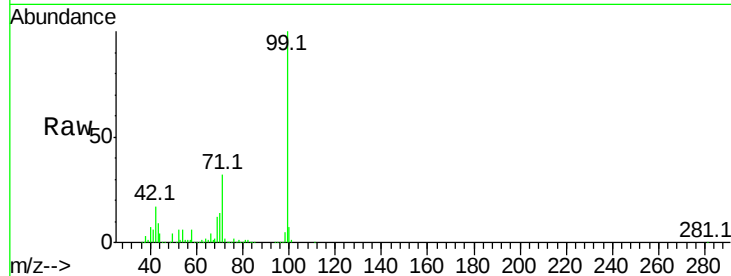
Tot Ion: 99 Resp: 544963

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

71 31.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 17.14 ng

RT: 6.53 min Scan# 789

Delta R.T. 0.14 min

Lab File: BF094180.D

Acq: 4 Apr 2017 21:16

Tgt Ion: 70 Resp: 145776

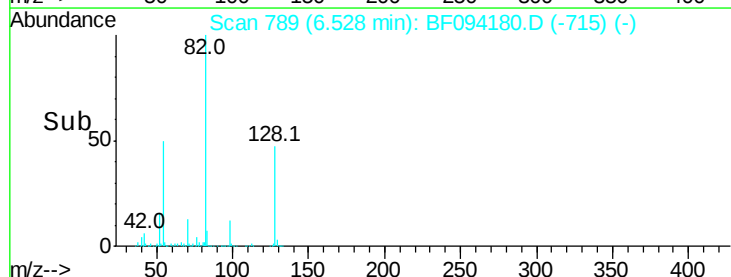
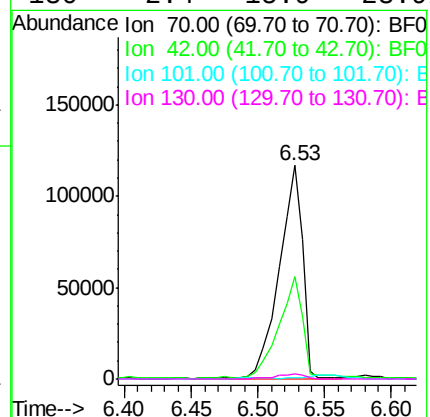
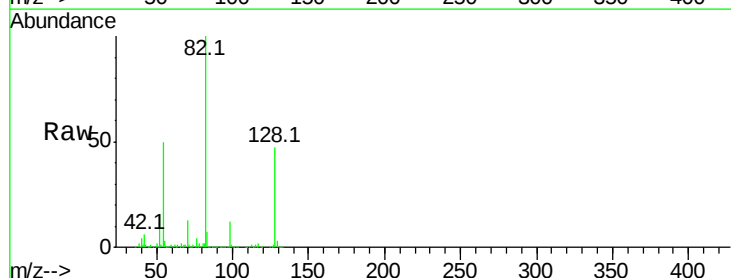
Ion Ratio Lower Upper

70 100

42 48.0 47.2 70.8

101 0.4 7.2 10.8#

130 2.4 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF094180.D

Acq: 4 Apr 2017 21:16

Instrument :

BNA\_F

ClientSampled :

MW-7R

Tot Ion:136 Resp: 730841

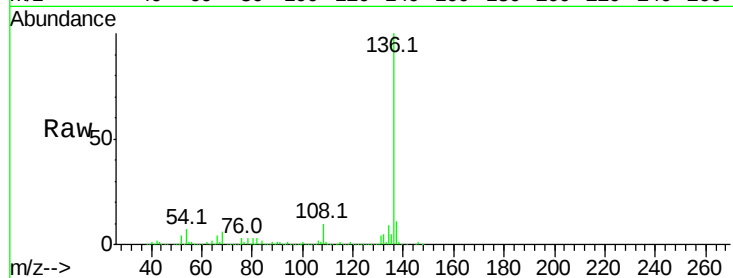
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.1 4.9 7.3

68 5.7 4.1 6.1

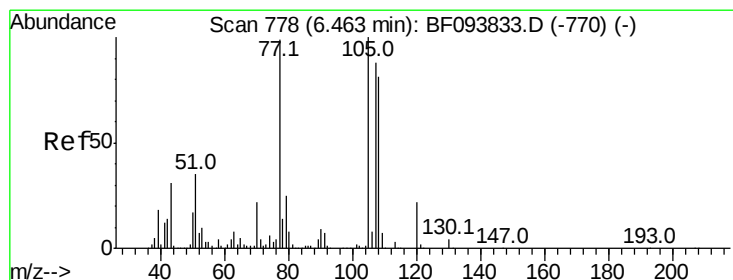
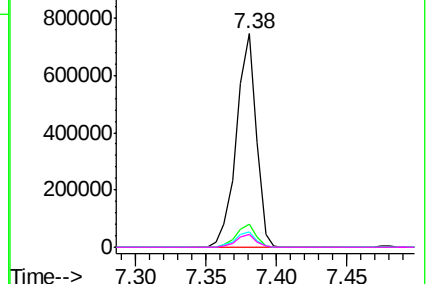
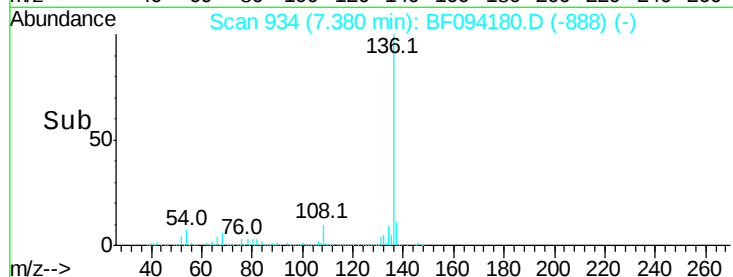


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.01 ng

RT: 6.34 min Scan# 757

Delta R.T. -0.04 min

Lab File: BF094180.D

Acq: 4 Apr 2017 21:16

Tgt Ion:105 Resp: 32818

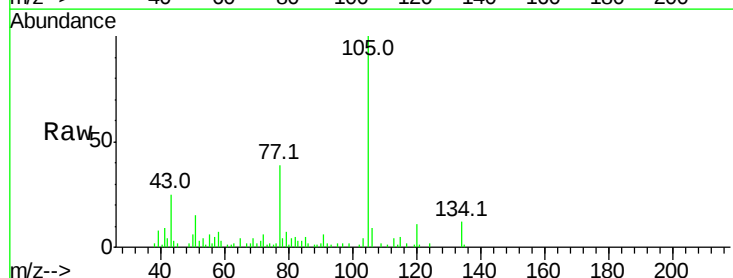
Ion Ratio Lower Upper

105 100

71 3.1 2.8 4.2

51 15.1 30.7 46.1#

120 10.9 17.4 26.0#

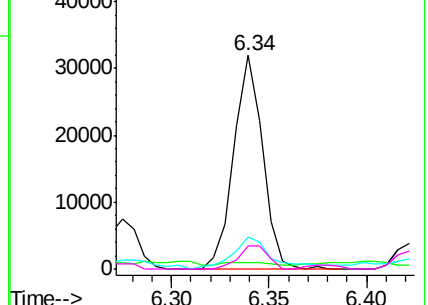
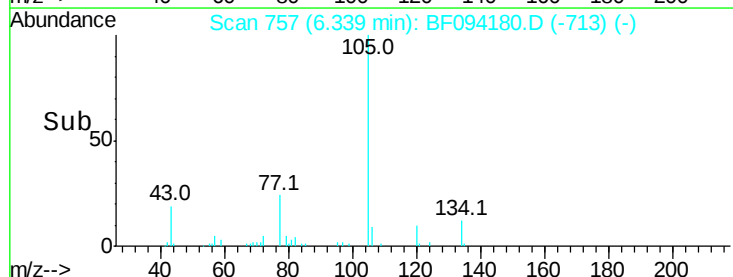


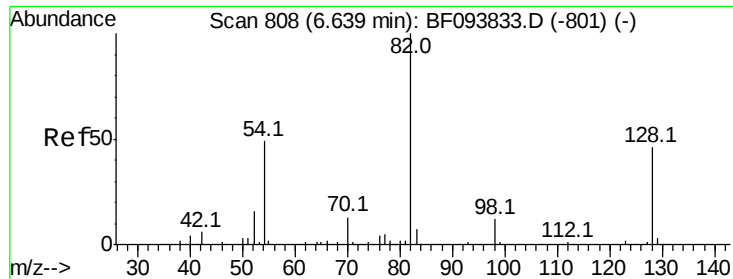
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



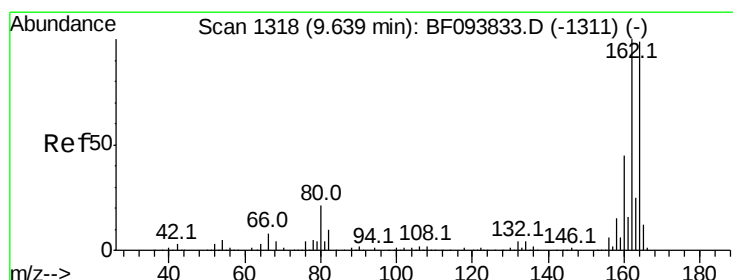
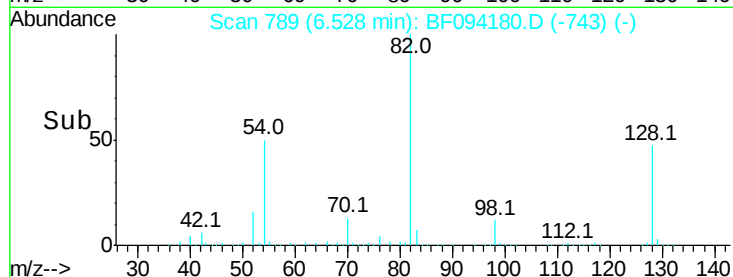
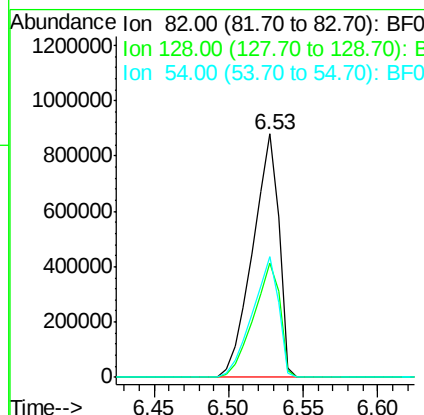
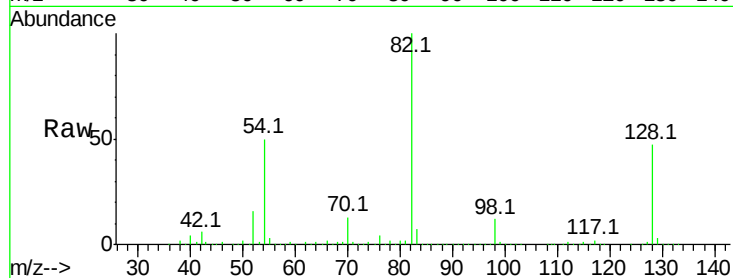


#23  
 Nitrobenzene-d5  
 Concen: 82.97 ng  
 RT: 6.53 min Scan# 789  
 Delta R.T. -0.03 min  
 Lab File: BF094180.D  
 Acq: 4 Apr 2017 21:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7R

Tot Ion: 82 Resp: 1062578  

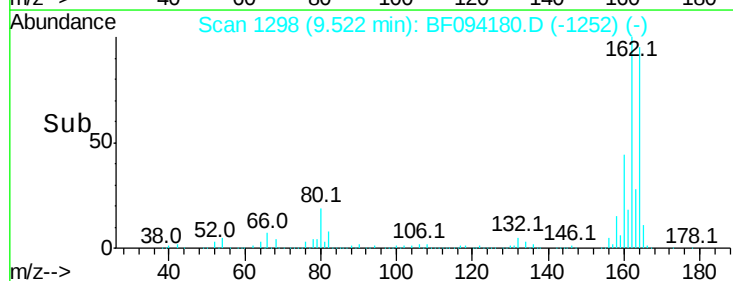
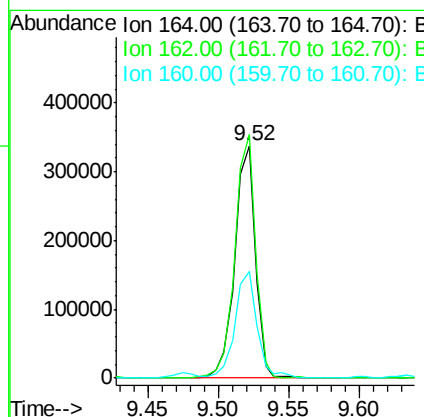
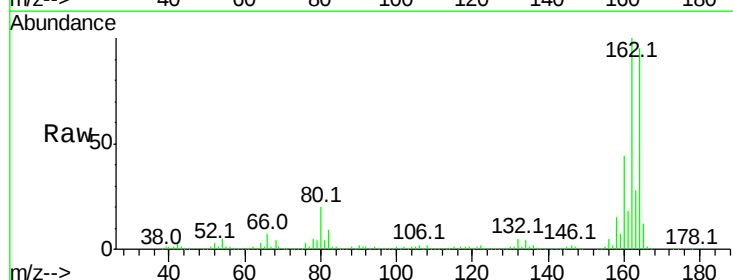
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.8  | 34.0  | 51.0  |
| 54  | 49.6  | 42.2  | 63.2  |

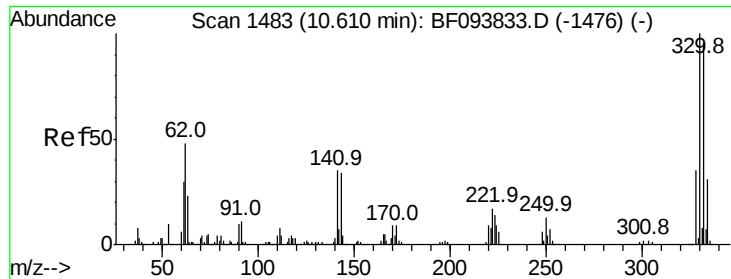


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.52 min Scan# 1298  
 Delta R.T. -0.03 min  
 Lab File: BF094180.D  
 Acq: 4 Apr 2017 21:16

Tgt Ion:164 Resp: 345469  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.9 | 82.6  | 123.8 |
| 160 | 46.2  | 36.2  | 54.2  |

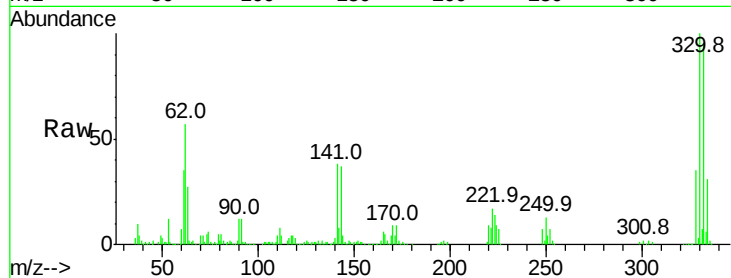




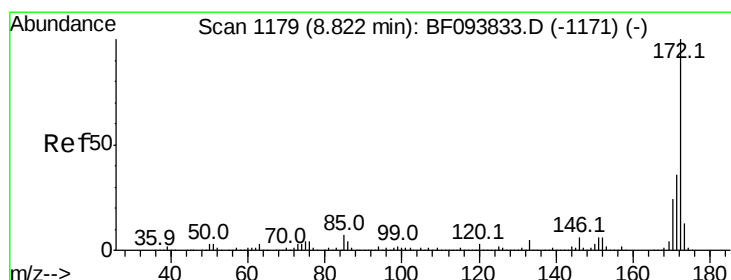
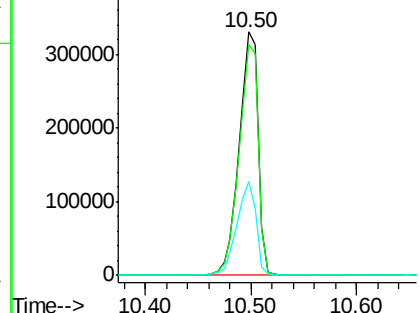
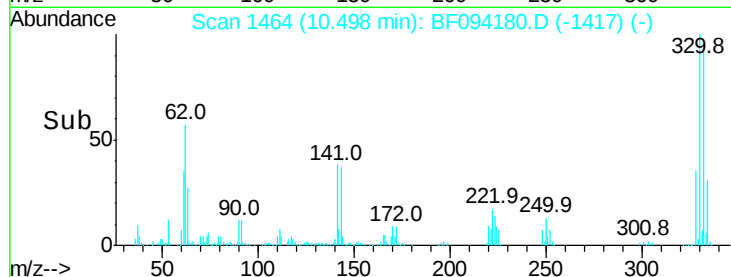
#41  
 2,4,6-Tribromophenol  
 Concen: 148.90 ng  
 RT: 10.50 min Scan# 1464  
 Delta R.T. -0.02 min  
 Lab File: BF094180.D  
 Acq: 4 Apr 2017 21:16

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-7R

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 76.6  | 115.0 |
| 141     | 38.8  | 31.4  | 47.2  |

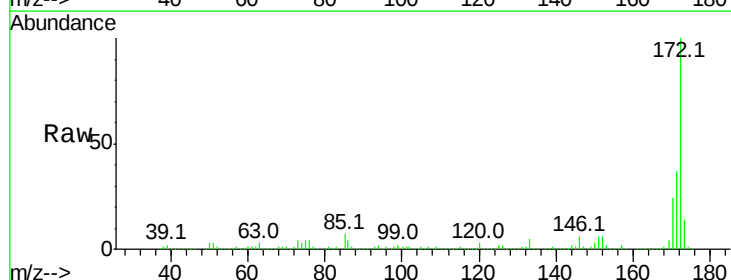


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

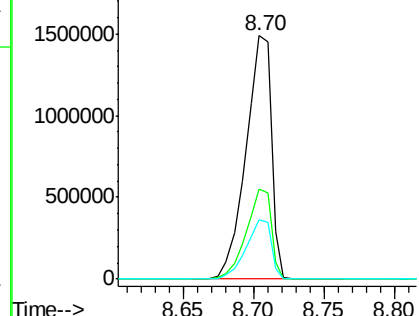
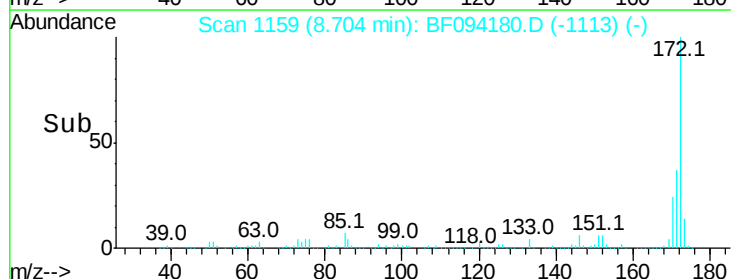


#44  
 2-Fluorobiphenyl  
 Concen: 83.11 ng  
 RT: 8.70 min Scan# 1159  
 Delta R.T. -0.03 min  
 Lab File: BF094180.D  
 Acq: 4 Apr 2017 21:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.6  | 44.4  |
| 170     | 24.5  | 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

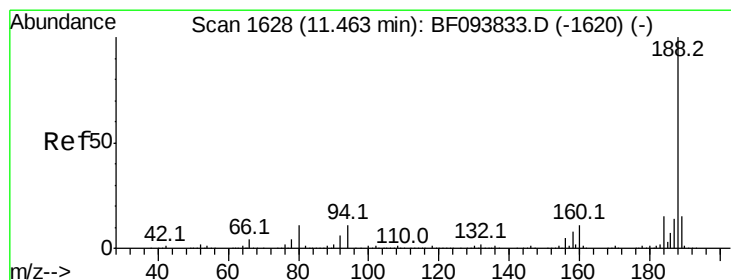
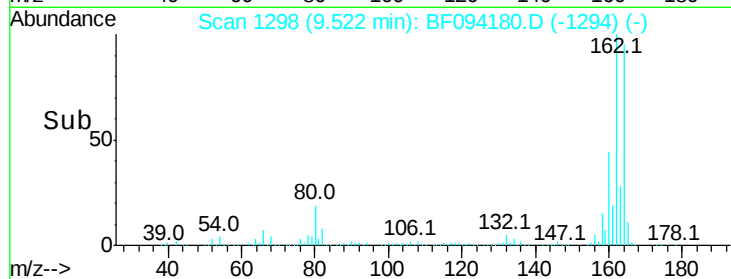
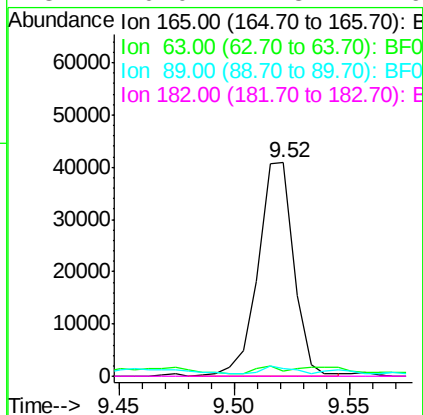
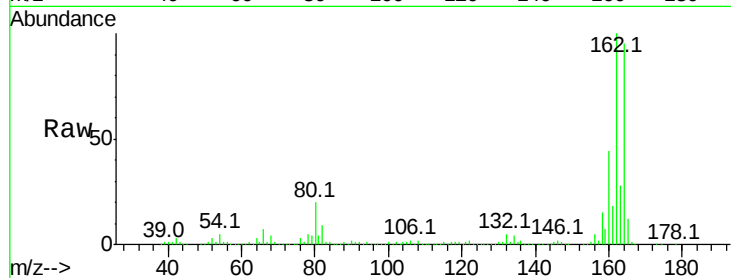




#56  
 2,4-Dinitrotoluene  
 Concen: 6.29 ng  
 RT: 9.52 min Scan# 1298  
 Delta R.T. -0.28 min  
 Lab File: BF094180.D  
 Acq: 4 Apr 2017 21:16

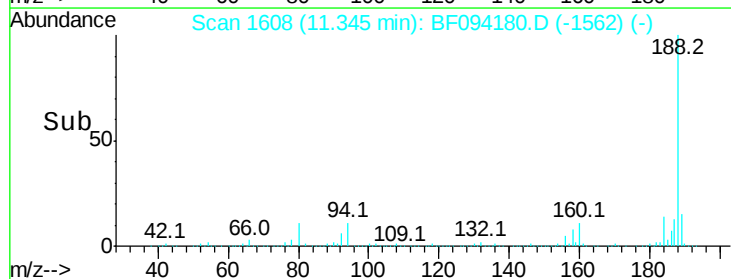
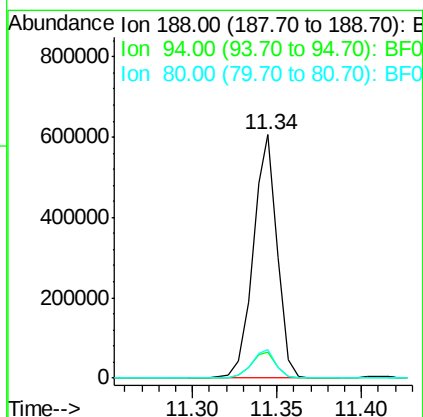
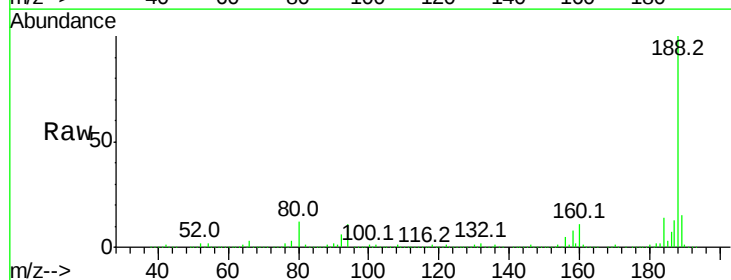
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7R

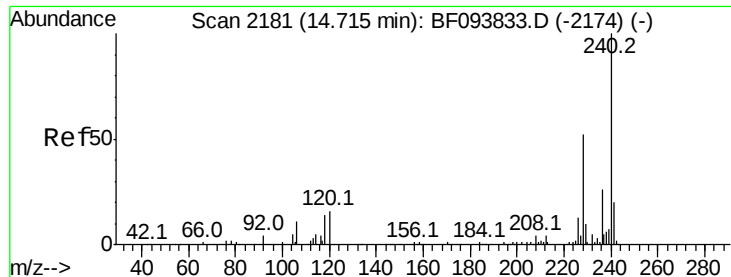
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.7   | 25.4  | 38.0# |
| 89      | 3.3   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.34 min Scan# 1608  
 Delta R.T. -0.03 min  
 Lab File: BF094180.D  
 Acq: 4 Apr 2017 21:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.8  | 9.4   | 14.2  |
| 80      | 11.5  | 10.2  | 15.2  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.60 min Scan# 2161

Delta R.T. -0.03 min

Lab File: BF094180.D

Acq: 4 Apr 2017 21:16

Instrument :

BNA\_F

ClientSampleId :

MW-7R

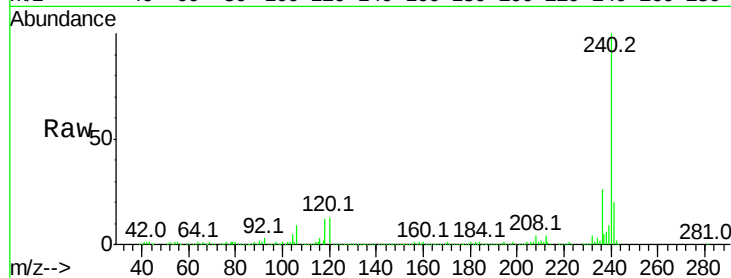
Tot Ion:240 Resp: 471512

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

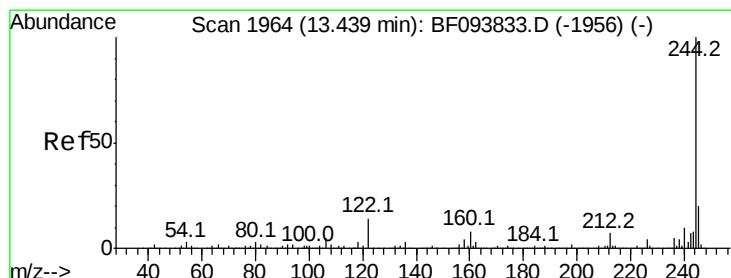
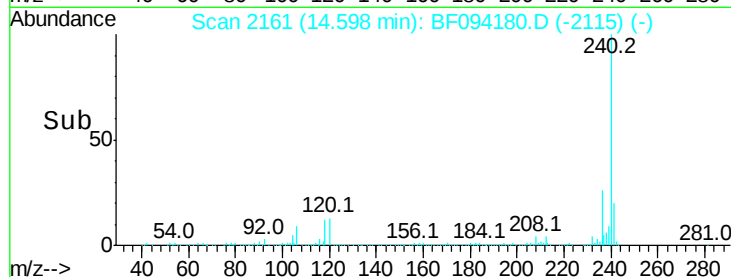
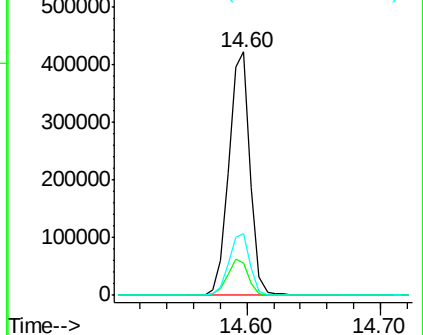
236 25.5 20.5 30.7



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: 78.66 ng

RT: 13.33 min Scan# 1945

Delta R.T. -0.02 min

Lab File: BF094180.D

Acq: 4 Apr 2017 21:16

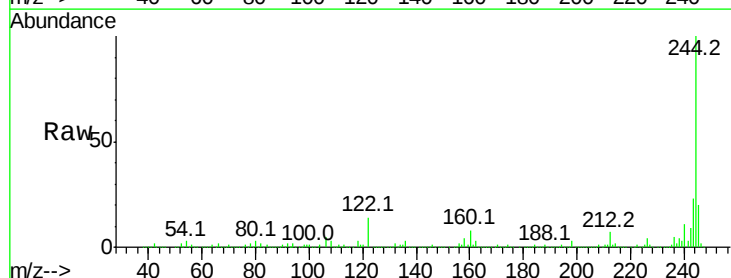
Tgt Ion:244 Resp: 1654583

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

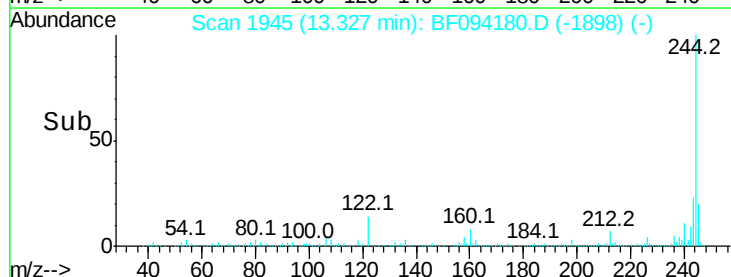
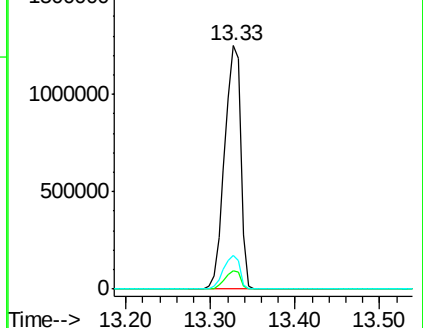
122 14.0 10.3 15.5

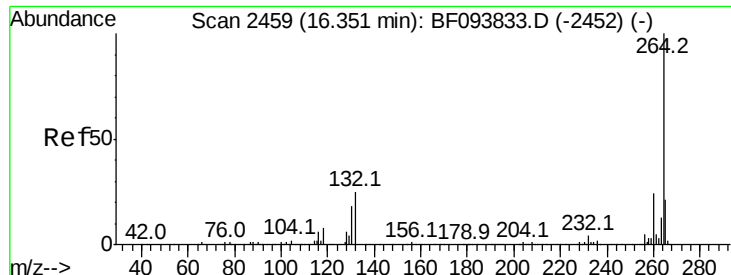


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

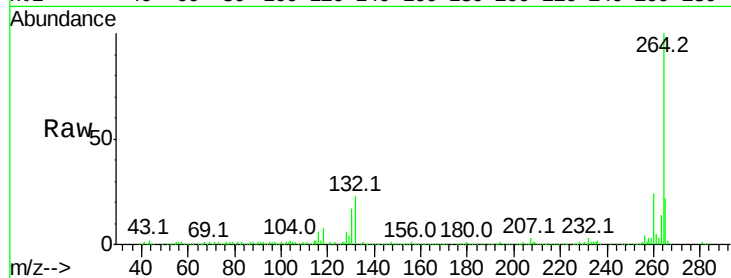




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 16.23 min Scan# 2438  
 Delta R.T. -0.02 min  
 Lab File: BF094180.D  
 Acq: 4 Apr 2017 21:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7R

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.5  | 29.3  |
| 265     | 21.6  | 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

