

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042915\  
 Data File : BF078810.D  
 Acq On : 29 Apr 2015 13:43  
 Operator : TP/IZ  
 Sample : G2009-02DL 10X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-119-42315DL

Quant Time: Apr 29 14:36:05 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 29 11:41:09 2015  
 Response via : Initial Calibration

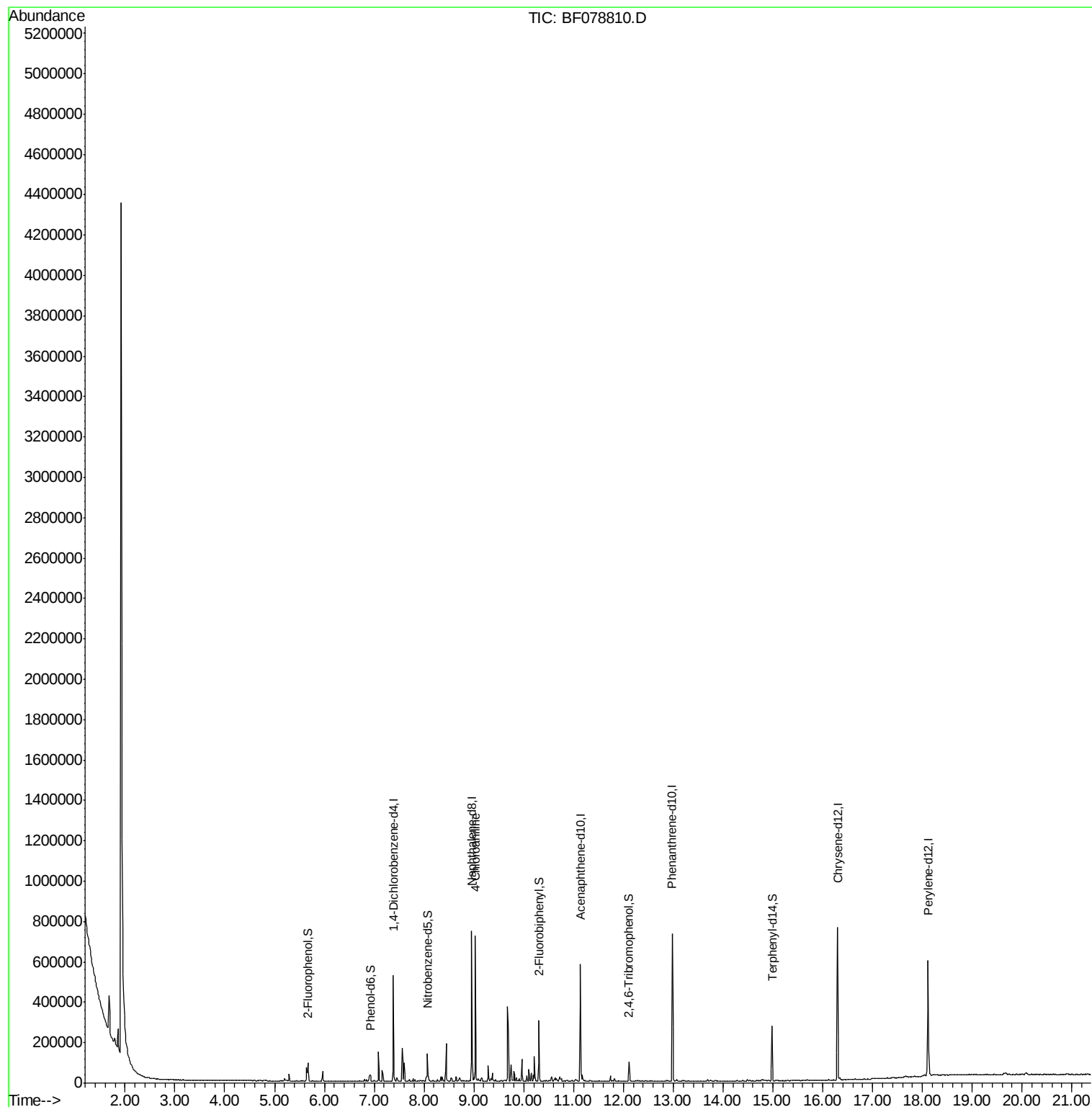
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 74729    | 20.00 | ng    | -0.01        |
| 21) Naphthalene-d8          | 8.96  | 136  | 317061   | 20.00 | ng    | -0.01        |
| 38) Acenaphthene-d10        | 11.14 | 164  | 142626   | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 12.98 | 188  | 286185   | 20.00 | ng    | -0.01        |
| 75) Chrysene-d12            | 16.30 | 240  | 284800   | 20.00 | ng    | -0.01        |
| 86) Perylene-d12            | 18.11 | 264  | 279145   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.67  | 112  | 18780    | 4.62  | ng    | -0.01        |
| 7) Phenol-d6                | 6.92  | 99   | 14685    | 2.70  | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 8.07  | 82   | 38326    | 8.70  | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 12.11 | 330  | 12634    | 13.81 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 10.31 | 172  | 95507    | 9.17  | ng    | -0.01        |
| 78) Terphenyl-d14           | 14.98 | 244  | 92506    | 7.74  | ng    | -0.01        |
| Target Compounds            |       |      |          |       |       |              |
| 33) 4-Chloroaniline         | 9.03  | 127  | 192285   | 30.36 | ng    | Qvalue<br>97 |

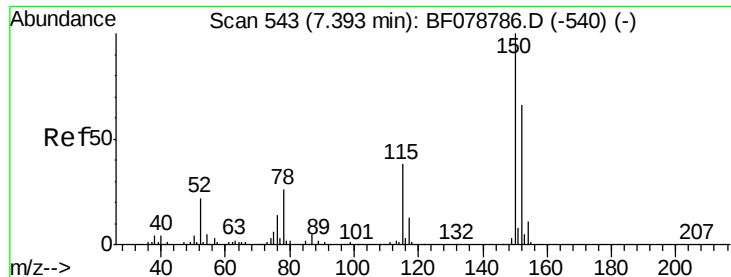
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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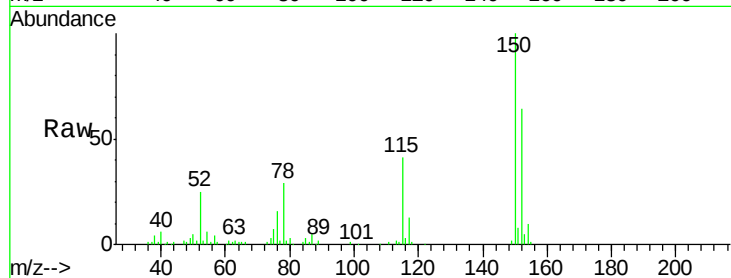


#1

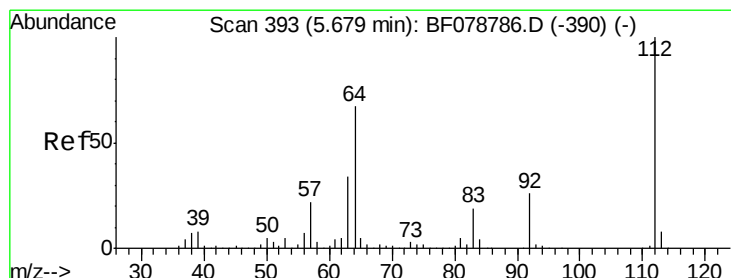
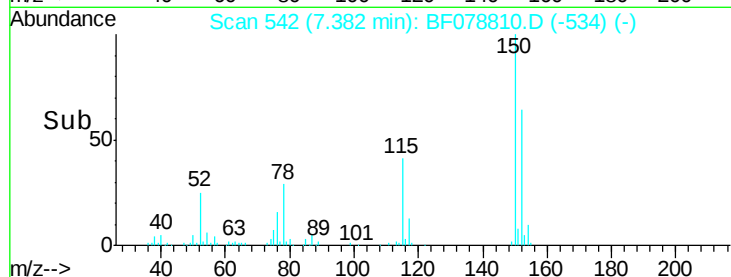
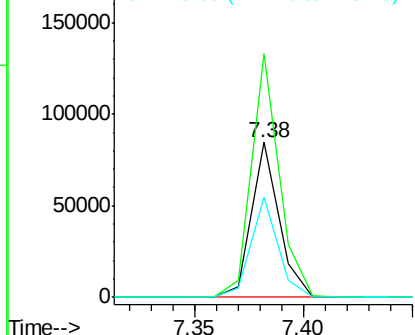
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.38 min Scan# 542  
Delta R.T. -0.01 min  
Lab File: BF078810.D  
Acq: 29 Apr 2015 13:43

Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-119-42315DL

Tot Ion:152 Resp: 74729  
Ion Ratio Lower Upper  
152 100  
150 157.3 122.0 183.0  
115 64.6 46.3 69.5



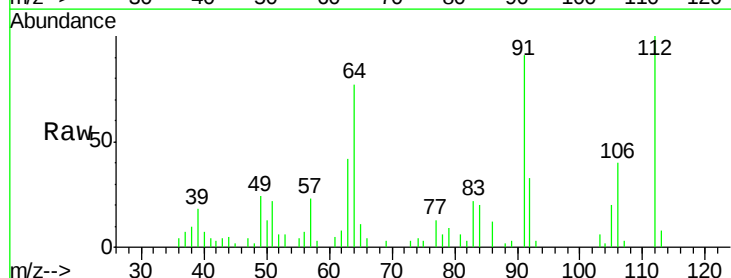
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



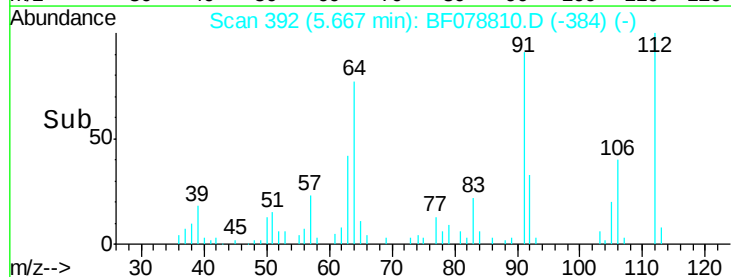
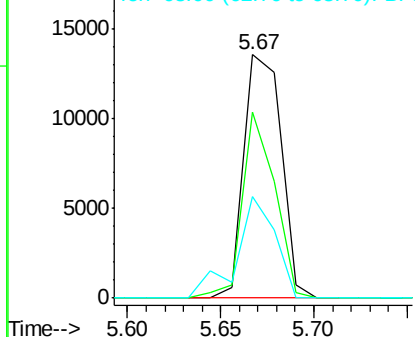
#5

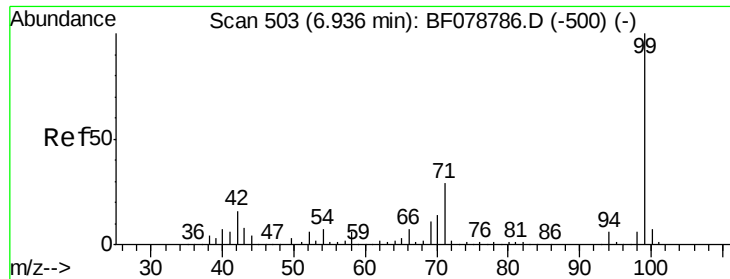
2-Fluorophenol  
Concen: 4.62 ng  
RT: 5.67 min Scan# 392  
Delta R.T. -0.01 min  
Lab File: BF078810.D  
Acq: 29 Apr 2015 13:43

Tgt Ion:112 Resp: 18780  
Ion Ratio Lower Upper  
112 100  
64 76.6 53.5 80.3  
63 42.0 27.5 41.3#



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: 2.70 ng

RT: 6.92 min Scan# 502

Delta R.T. -0.01 min

Lab File: BF078810.D

Acq: 29 Apr 2015 13:43

Instrument :

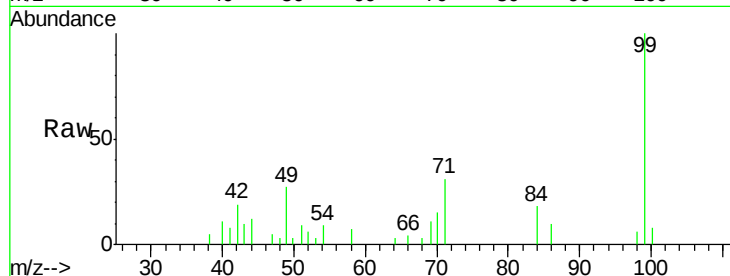
BNA\_F

ClientSampleId :

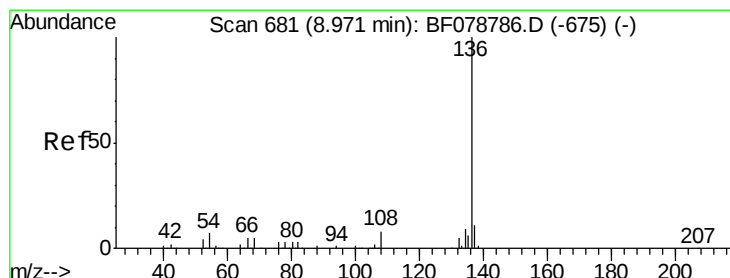
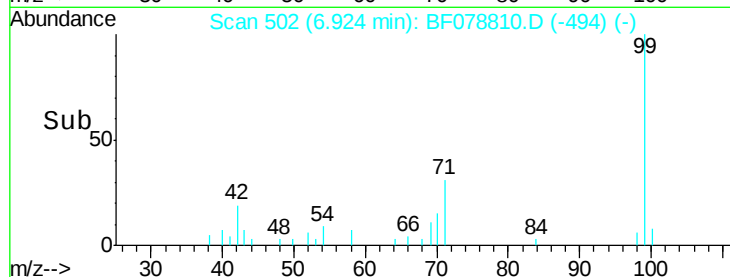
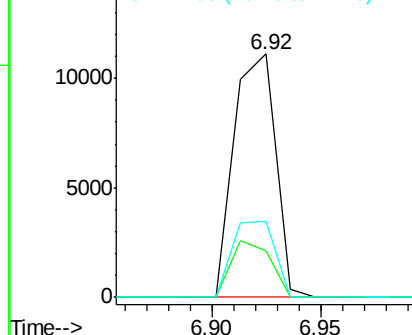
DCW-WW-119-42315DL

Tot Ion: 99 Resp: 14685

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.2  | 12.8  | 19.2# |
| 71  | 31.1  | 23.4  | 35.2  |



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: 8.96 min Scan# 680

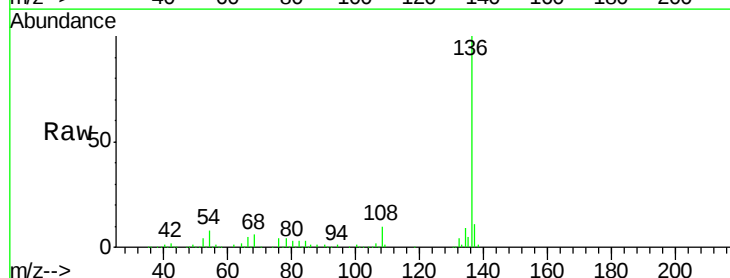
Delta R.T. -0.01 min

Lab File: BF078810.D

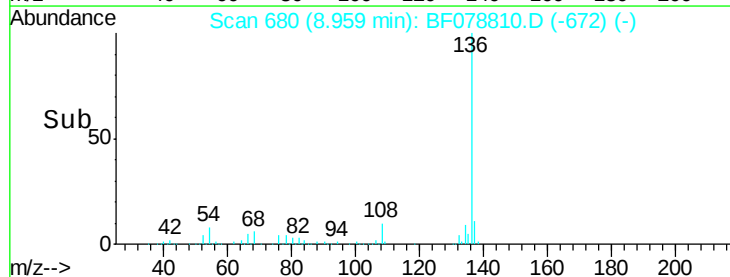
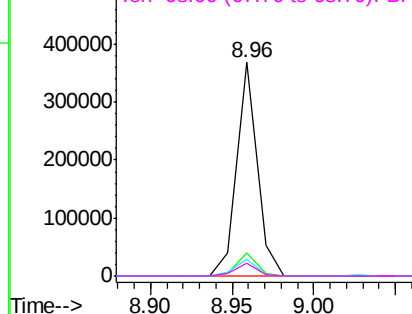
Acq: 29 Apr 2015 13:43

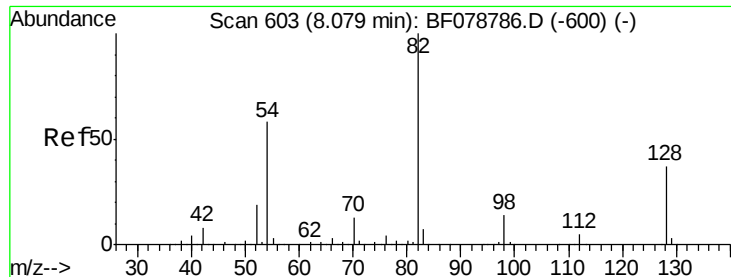
Tgt Ion: 136 Resp: 317061

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.7   | 13.1  |
| 54  | 8.1   | 5.8   | 8.8   |
| 68  | 5.8   | 4.2   | 6.4   |



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

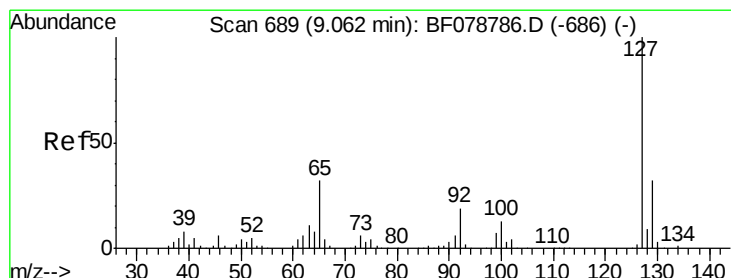
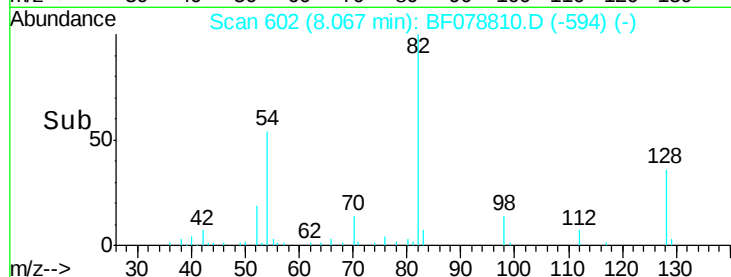
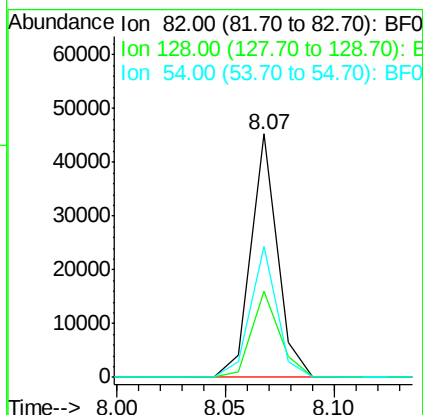
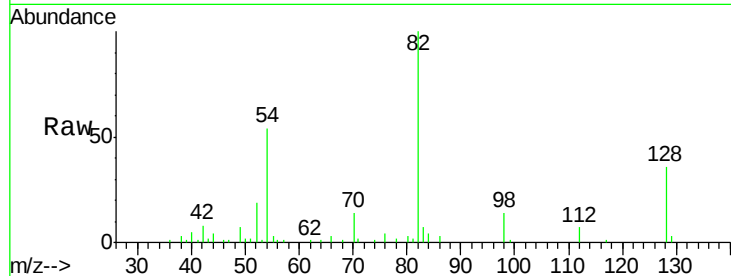




#23  
 Nitrobenzene-d5  
 Concen: 8.70 ng  
 RT: 8.07 min Scan# 602  
 Delta R.T. -0.01 min  
 Lab File: BF078810.D  
 Acq: 29 Apr 2015 13:43

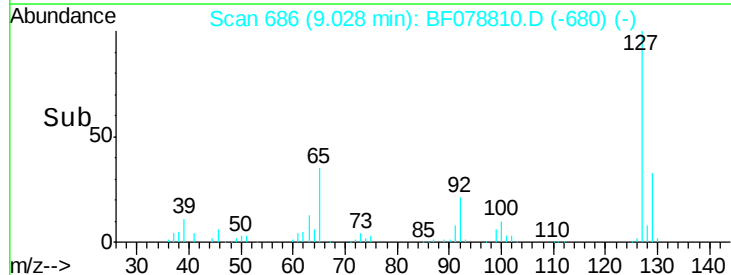
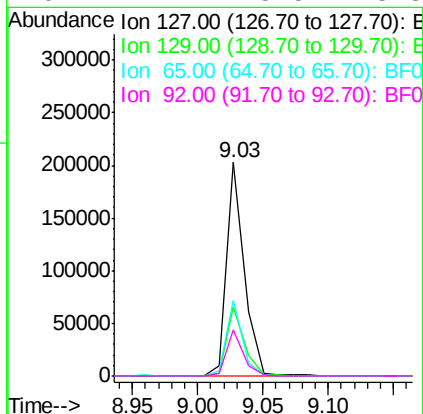
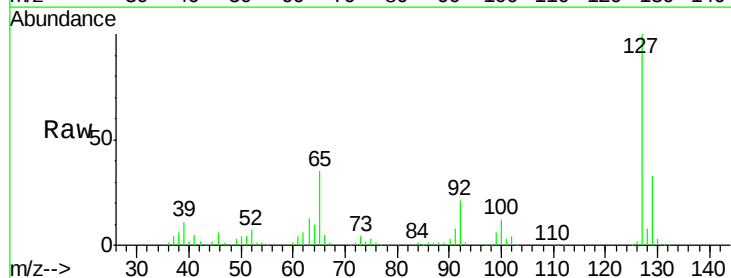
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-119-42315DL

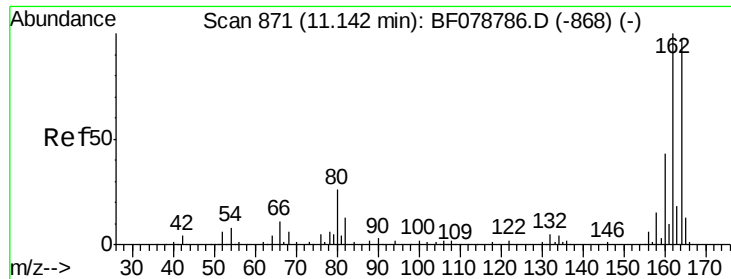
Tot Ion: 82 Resp: 38326  
 Ion Ratio Lower Upper  
 82 100  
 128 35.5 30.0 45.0  
 54 53.7 46.4 69.6



#33  
 4-Chloroaniline  
 Concen: 30.36 ng  
 RT: 9.03 min Scan# 686  
 Delta R.T. -0.03 min  
 Lab File: BF078810.D  
 Acq: 29 Apr 2015 13:43

Tgt Ion: 127 Resp: 192285  
 Ion Ratio Lower Upper  
 127 100  
 129 32.7 25.8 38.8  
 65 35.4 25.8 38.6  
 92 21.4 15.5 23.3

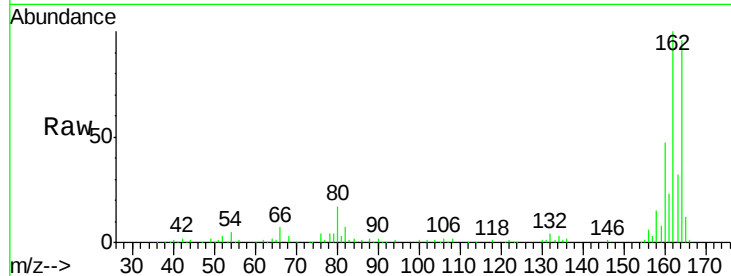




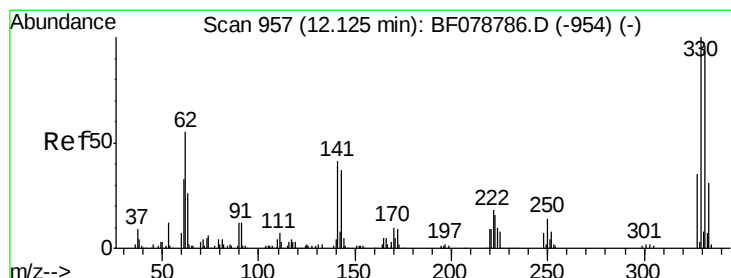
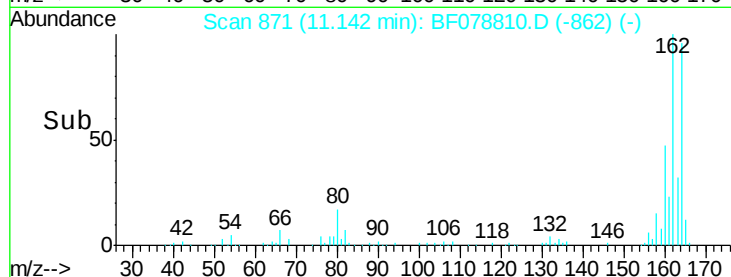
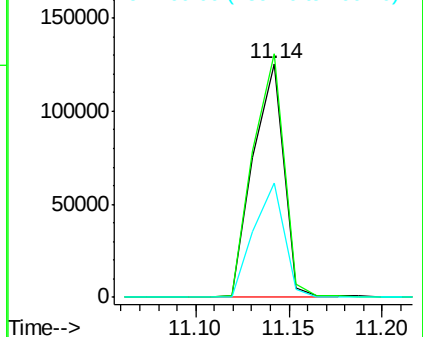
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 11.14 min Scan# 871  
Delta R.T. -0.00 min  
Lab File: BF078810.D  
Acq: 29 Apr 2015 13:43

Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-119-42315DL

Tot Ion:164 Resp: 142626  
Ion Ratio Lower Upper  
164 100  
162 104.3 82.7 124.1  
160 49.1 35.8 53.8

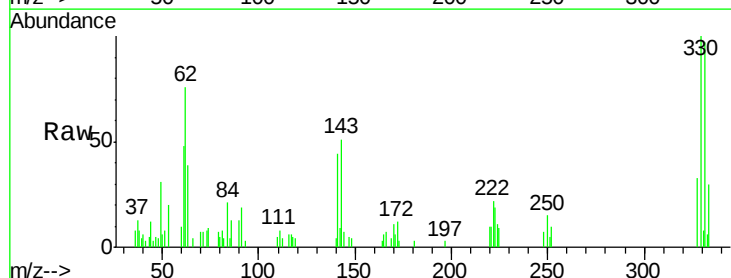


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

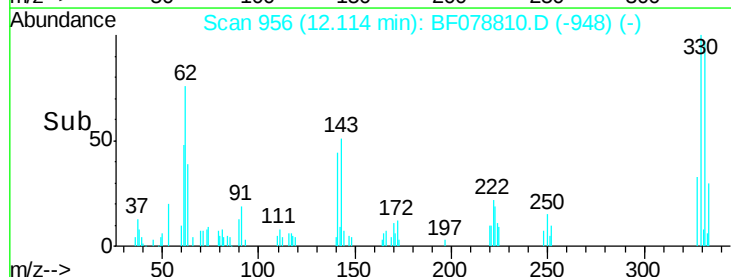
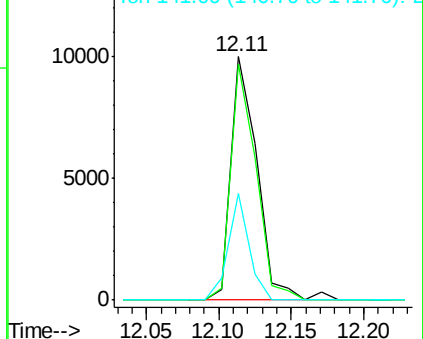


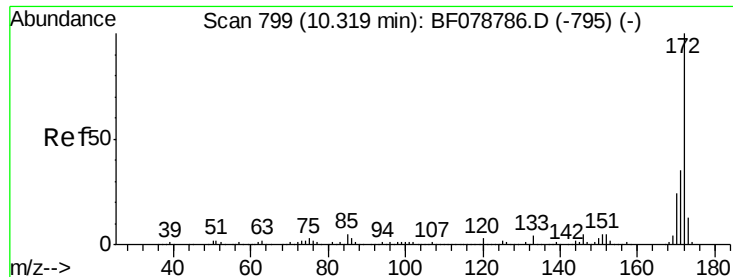
#41  
2,4,6-Tribromophenol  
Concen: 13.81 ng  
RT: 12.11 min Scan# 956  
Delta R.T. -0.01 min  
Lab File: BF078810.D  
Acq: 29 Apr 2015 13:43

Tgt Ion:330 Resp: 12634  
Ion Ratio Lower Upper  
330 100  
332 92.4 0.0 0.0#  
141 34.4 0.0 0.0#



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

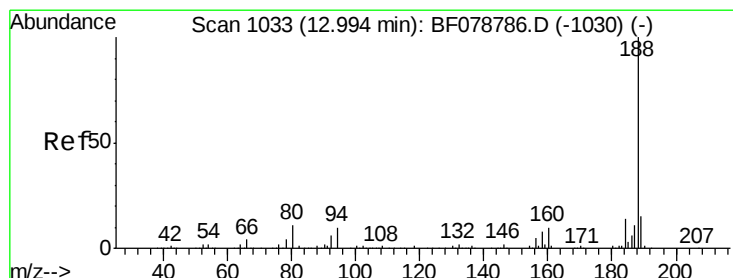
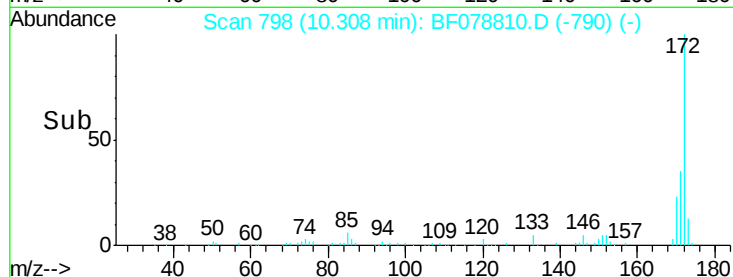
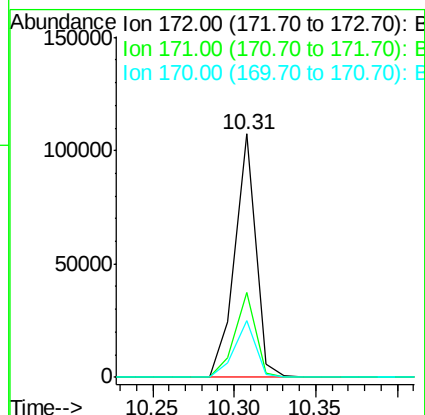
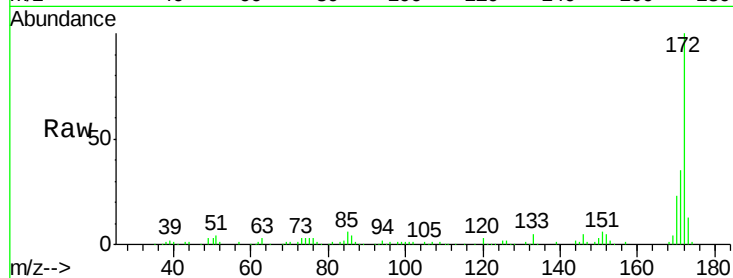




#44  
 2-Fluorobiphenyl  
 Concen: 9.17 ng  
 RT: 10.31 min Scan# 798  
 Delta R.T. -0.01 min  
 Lab File: BF078810.D  
 Acq: 29 Apr 2015 13:43

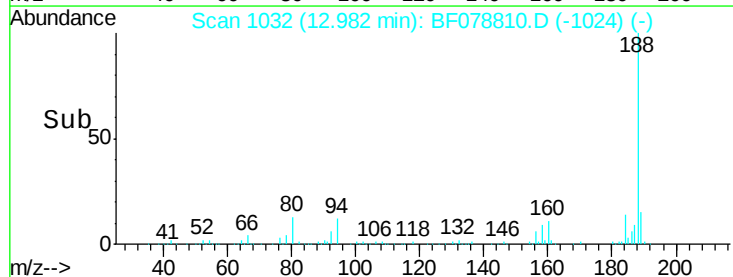
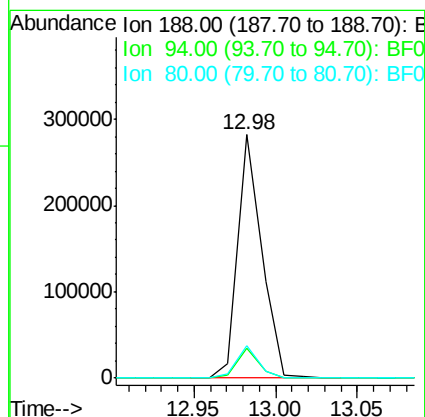
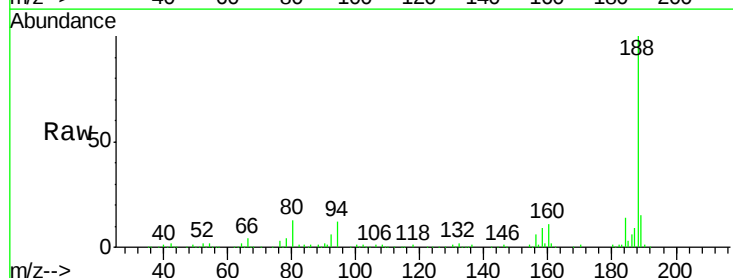
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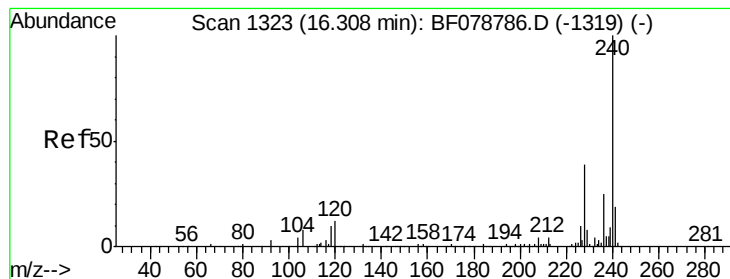
| Tot Ion   | 172   | Resp  | 95507 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 34.7  | 27.9  | 41.9  |
| 170       | 23.4  | 19.4  | 29.0  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.98 min Scan# 1032  
 Delta R.T. -0.01 min  
 Lab File: BF078810.D  
 Acq: 29 Apr 2015 13:43

| Tgt Ion   | 188   | Resp  | 286185 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 12.0  | 8.2   | 12.2   |
| 80        | 13.4  | 8.9   | 13.3#  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF078810.D

Acq: 29 Apr 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-119-42315DL

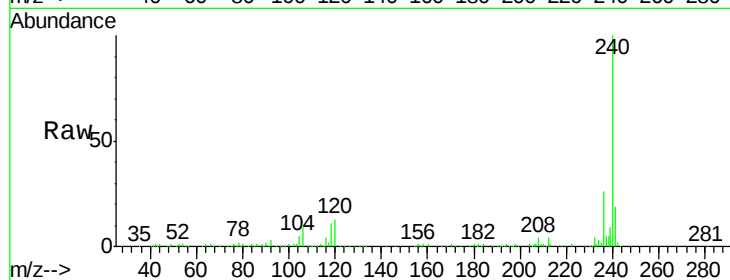
Tot Ion:240 Resp: 284800

Ion Ratio Lower Upper

240 100

120 13.1 9.7 14.5

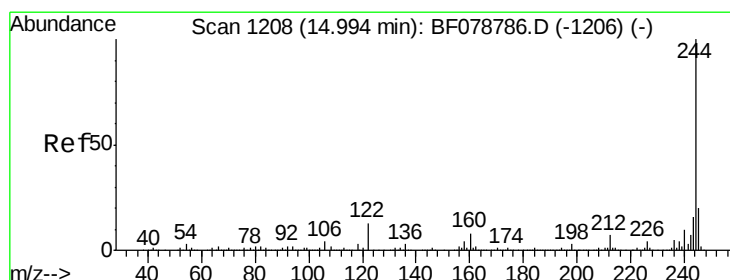
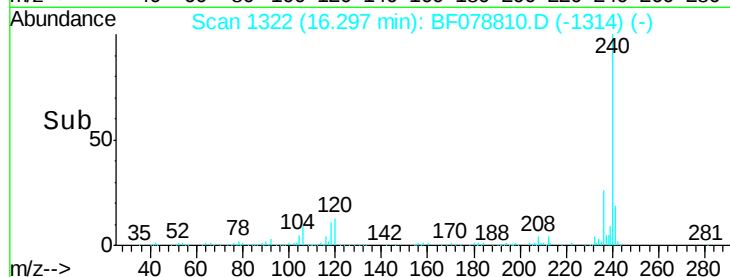
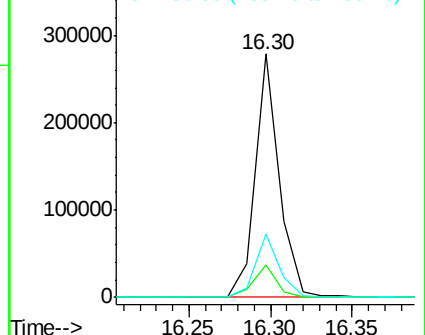
236 25.9 20.2 30.4



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: 7.74 ng

RT: 14.98 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF078810.D

Acq: 29 Apr 2015 13:43

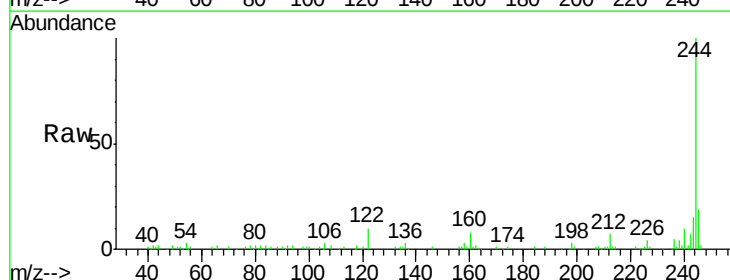
Tgt Ion:244 Resp: 92506

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

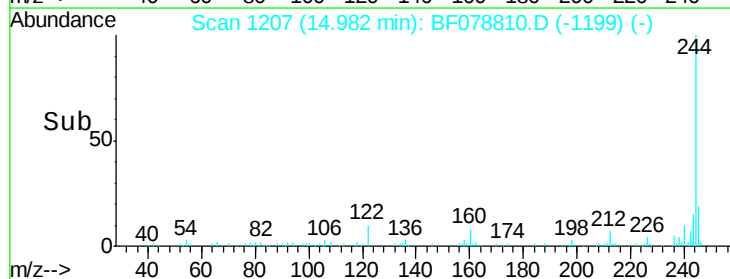
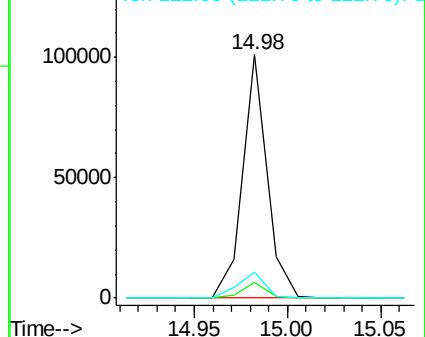
122 10.5 10.3 15.5

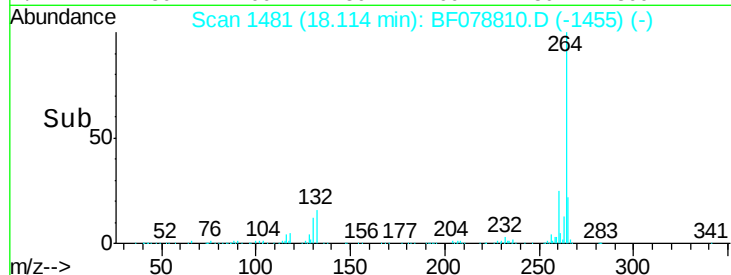
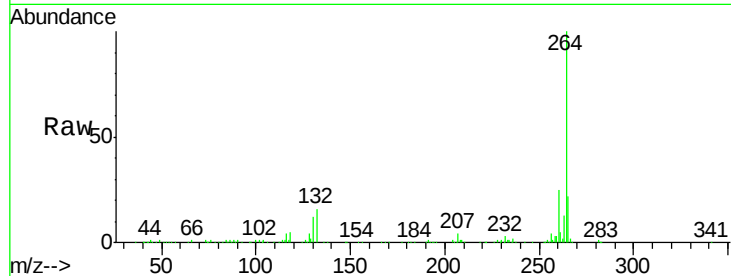
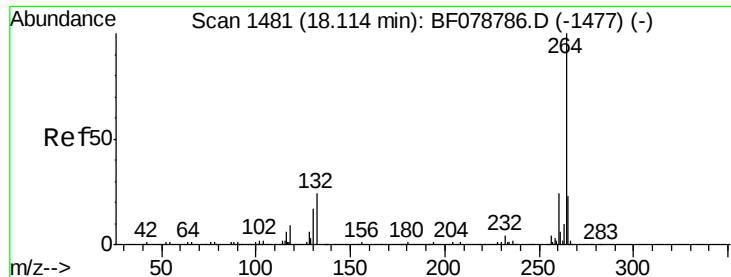


Abundance Ion 244.00 (243.70 to 244.70): E

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: 18.11 min Scan# 1481  
Delta R.T. -0.00 min  
Lab File: BF078810.D  
Acq: 29 Apr 2015 13:43

Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-119-42315DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.4  | 29.2  |
| 265     | 22.2  | 18.3  | 27.5  |

