

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\  
 Data File : BF083097.D  
 Acq On : 21 Nov 2015 1:35  
 Operator : UM/IZ  
 Sample : G4488-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111815-A263-E-U-M

Quant Time: Nov 21 04:17:41 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 20 01:33:39 2015  
 Response via : Initial Calibration

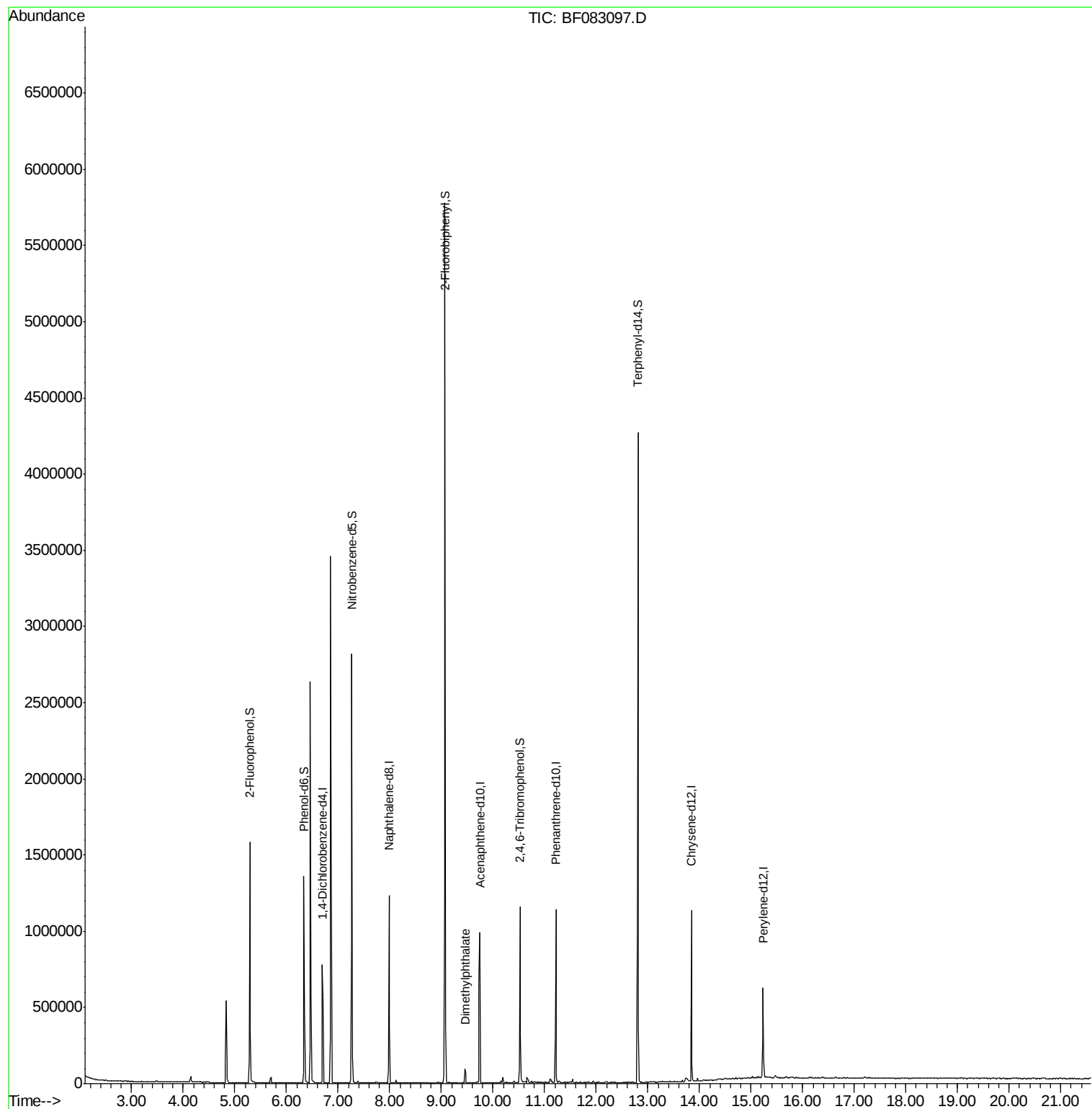
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.69  | 152  | 151717   | 20.00 | ng    | -0.01          |
| 21) Naphthalene-d8          | 7.98  | 136  | 556096   | 20.00 | ng    | -0.01          |
| 38) Acenaphthene-d10        | 9.74  | 164  | 252413   | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.22 | 188  | 414946   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 13.85 | 240  | 373443   | 20.00 | ng    | -0.01          |
| 86) Perylene-d12            | 15.23 | 264  | 268096   | 20.00 | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.29  | 112  | 417572   | 42.75 | ng    | 0.00           |
| 7) Phenol-d6                | 6.34  | 99   | 345289   | 26.84 | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 959313   | 78.98 | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 123734   | 46.17 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 1636758  | 87.33 | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.81 | 244  | 1254882  | 79.33 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 9.46  | 163  | 48906    | 2.35  | ng    | Qvalue<br># 97 |

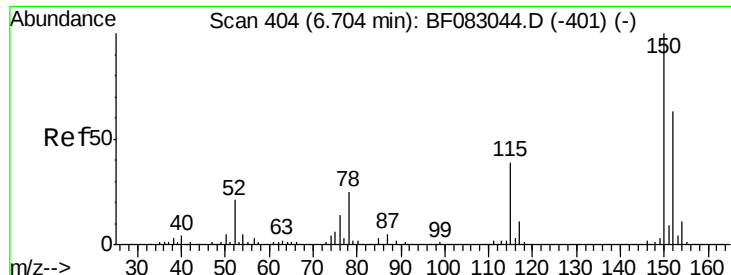
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\  
Data File : BF083097.D  
Acq On : 21 Nov 2015 1:35  
Operator : UM/IZ  
Sample : G4488-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
111815-A263-E-U-M

Quant Time: Nov 21 04:17:41 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 20 01:33:39 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF083097.D

Acq: 21 Nov 2015 1:35

Instrument :

BNA\_F

ClientSampleId :

111815-A263-E-U-M

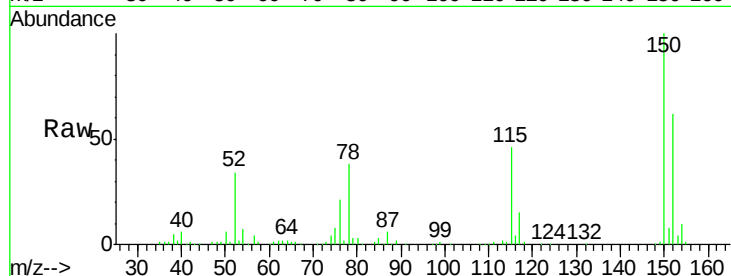
Tot Ion:152 Resp: 151717

Ion Ratio Lower Upper

152 100

150 161.3 126.4 189.6

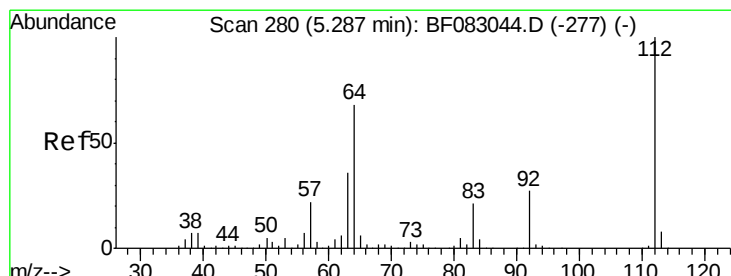
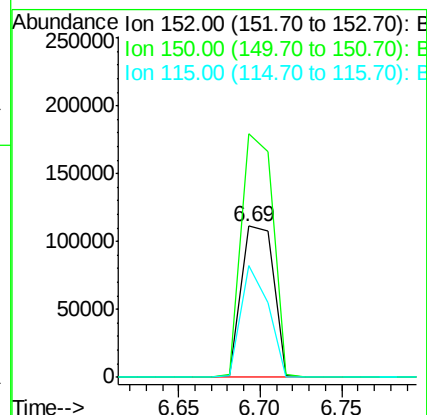
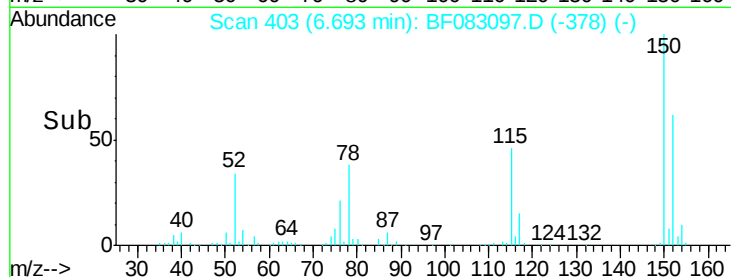
115 73.7 49.0 73.6#



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: 42.75 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF083097.D

Acq: 21 Nov 2015 1:35

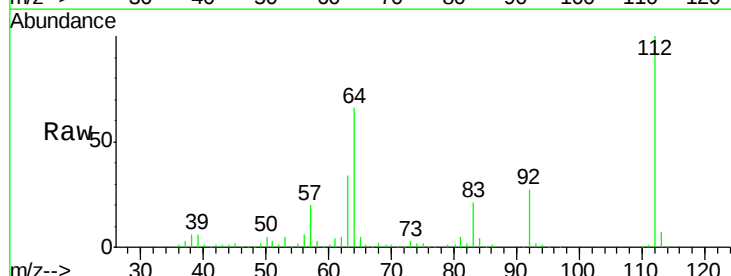
Tgt Ion:112 Resp: 417572

Ion Ratio Lower Upper

112 100

64 66.4 54.8 82.2

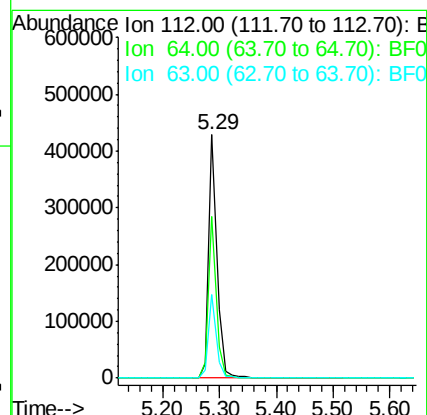
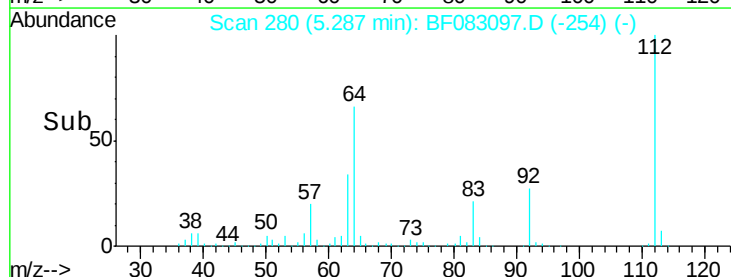
63 34.1 29.0 43.4

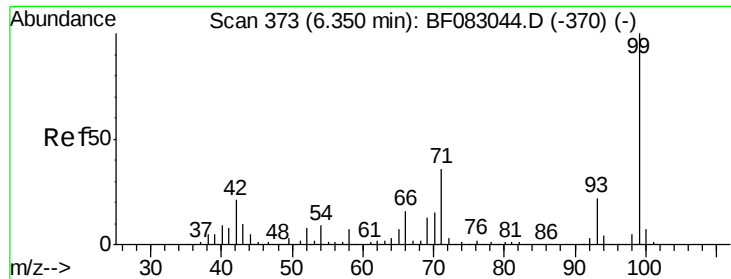


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 26.84 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF083097.D

Acq: 21 Nov 2015 1:35

Instrument :

BNA\_F

ClientSampleId :

111815-A263-E-U-M

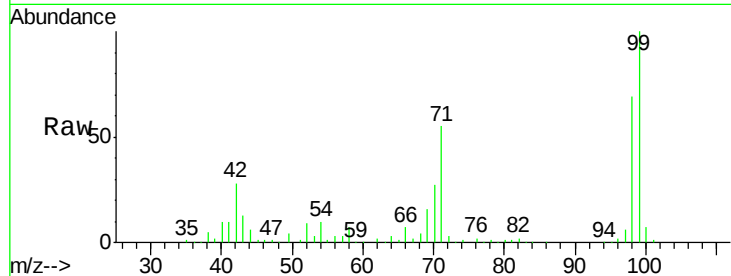
Tot Ion: 99 Resp: 345289

Ion Ratio Lower Upper

99 100

42 28.4 16.6 25.0#

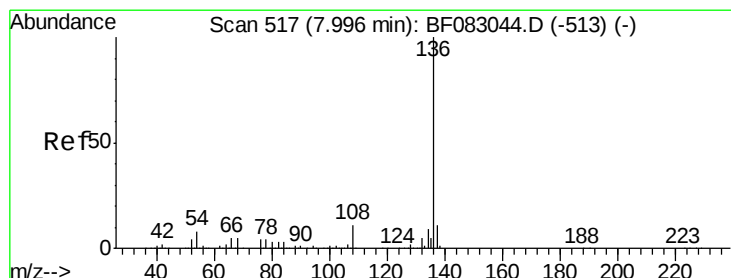
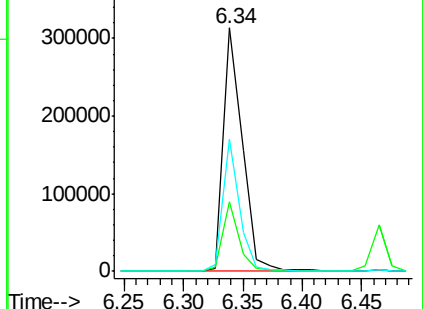
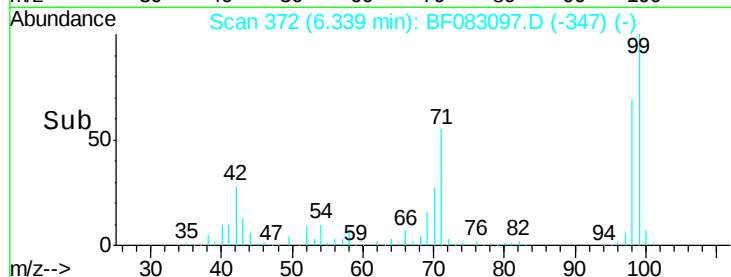
71 54.6 29.2 43.8#



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: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF083097.D

Acq: 21 Nov 2015 1:35

Tgt Ion: 136 Resp: 556096

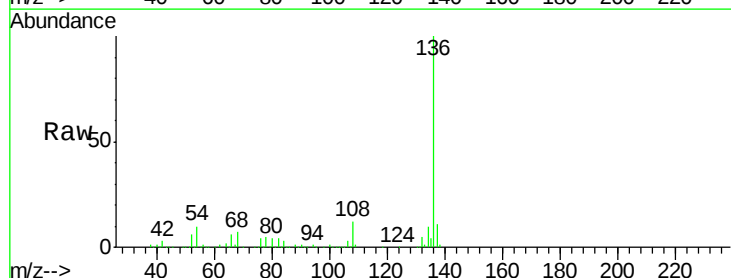
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 10.2 6.2 9.2#

68 6.8 4.2 6.2#

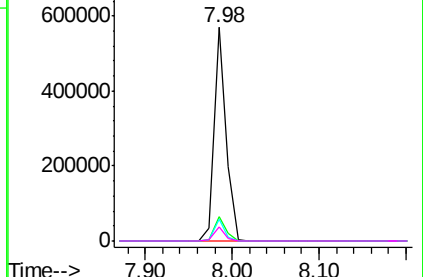
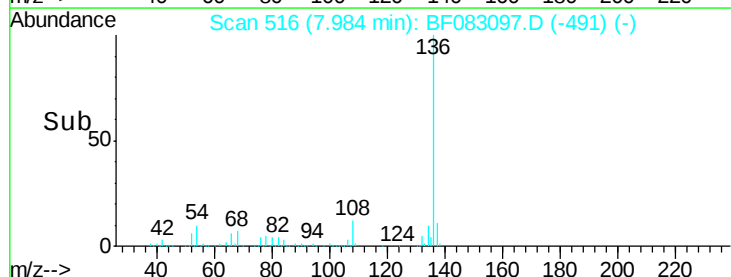


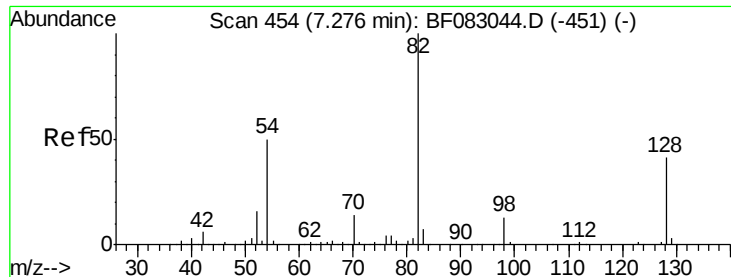
Abundance Ion 136.00 (135.70 to 136.70): E

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

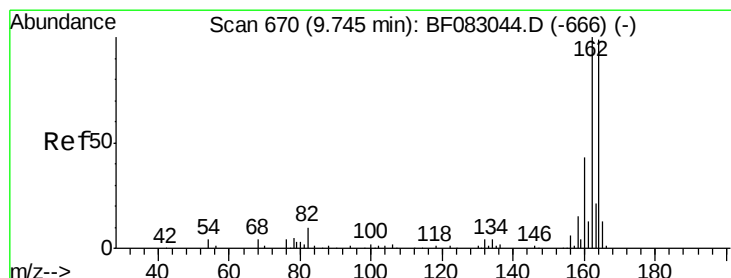
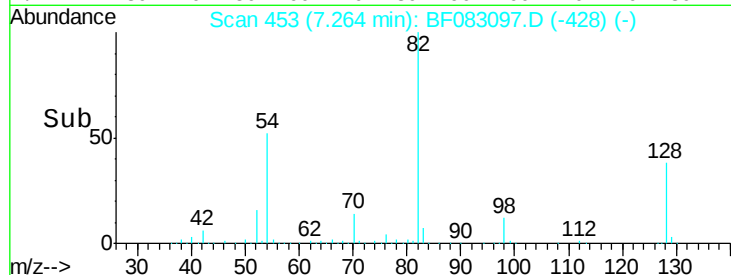
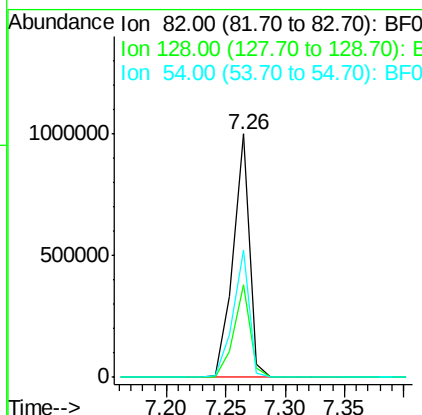
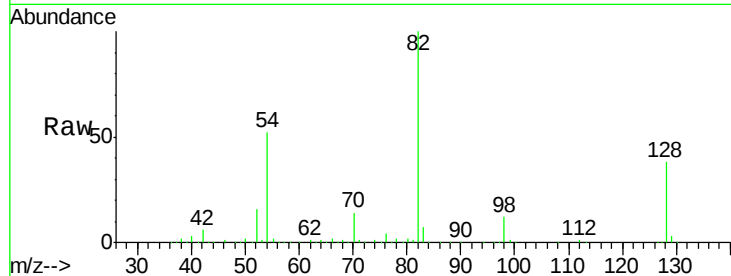




#23  
 Nitrobenzene-d5  
 Concen: 78.98 ng  
 RT: 7.26 min Scan# 453  
 Delta R.T. -0.01 min  
 Lab File: BF083097.D  
 Acq: 21 Nov 2015 1:35

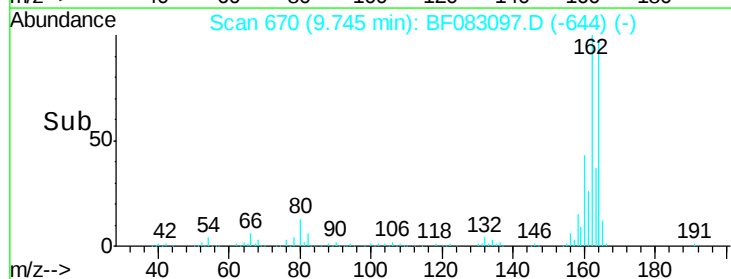
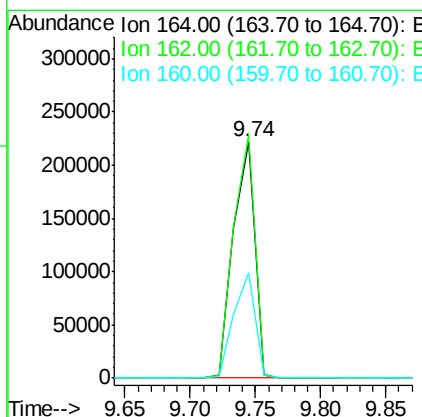
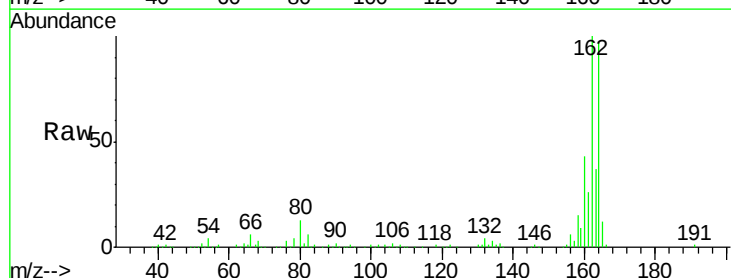
Instrument :  
 BNA\_F  
 ClientSampleId :  
 111815-A263-E-U-M

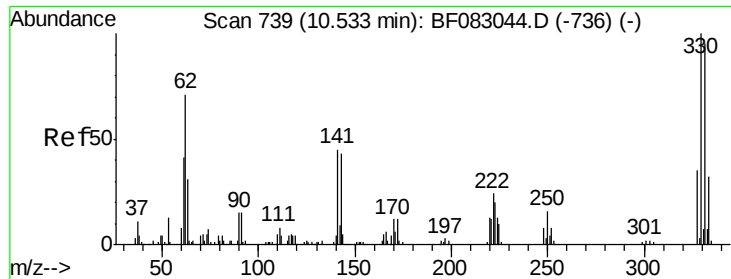
| Tot Ion   | 82    | Resp  | 959313 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.8  | 33.1  | 49.7   |
| 54        | 52.4  | 39.8  | 59.6   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.74 min Scan# 670  
 Delta R.T. 0.00 min  
 Lab File: BF083097.D  
 Acq: 21 Nov 2015 1:35

| Tgt Ion   | 164   | Resp  | 252413 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.2 | 80.5  | 120.7  |
| 160       | 44.7  | 35.0  | 52.4   |

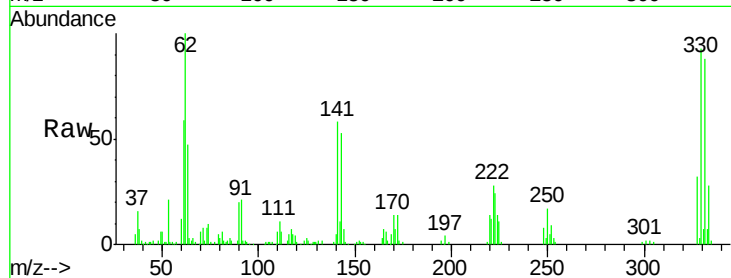




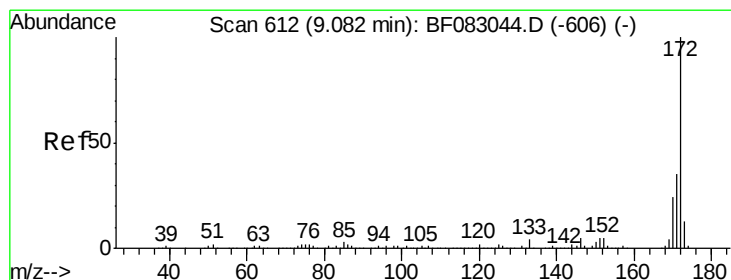
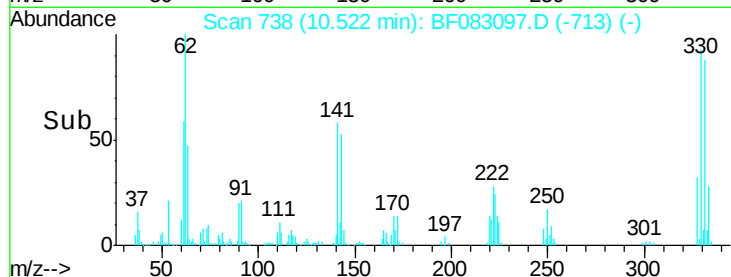
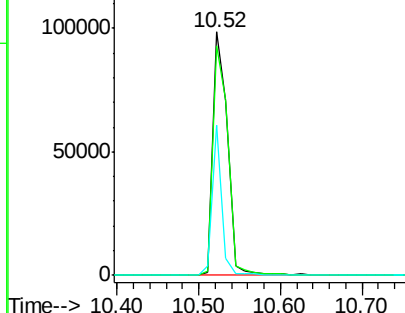
#41  
 2,4,6-Tribromophenol  
 Concen: 46.17 ng  
 RT: 10.52 min Scan# 738  
 Delta R.T. -0.01 min  
 Lab File: BF083097.D  
 Acq: 21 Nov 2015 1:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111815-A263-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 77.6  | 116.4 |
| 141     | 41.4  | 34.6  | 52.0  |

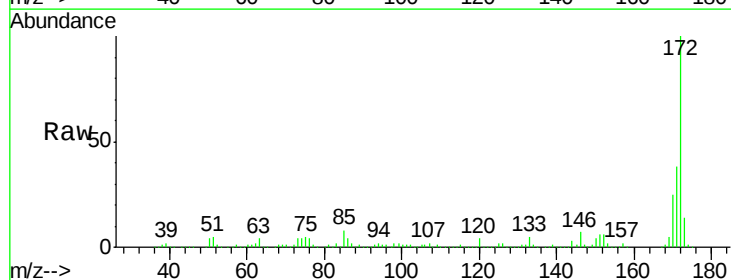


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

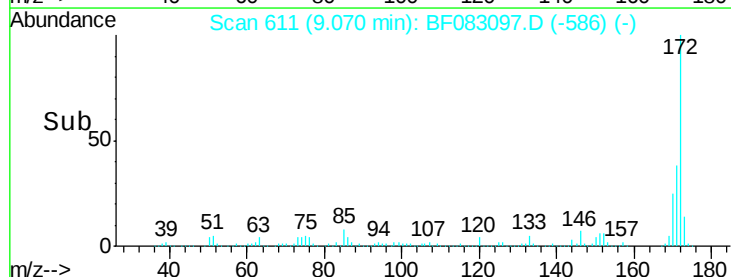
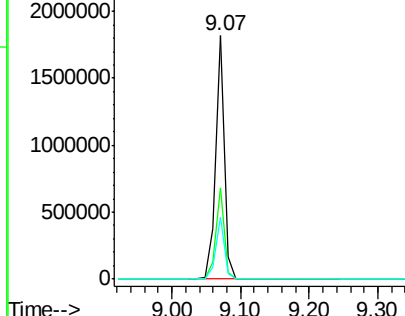


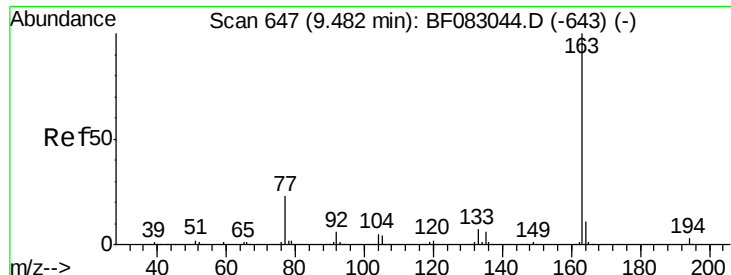
#44  
 2-Fluorobiphenyl  
 Concen: 87.33 ng  
 RT: 9.07 min Scan# 611  
 Delta R.T. -0.01 min  
 Lab File: BF083097.D  
 Acq: 21 Nov 2015 1:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.5  | 28.2  | 42.4  |
| 170     | 25.2  | 19.4  | 29.0  |



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

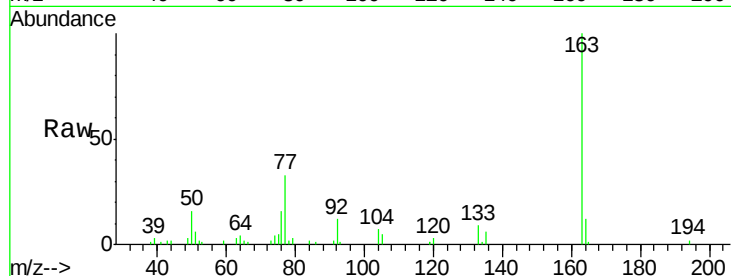




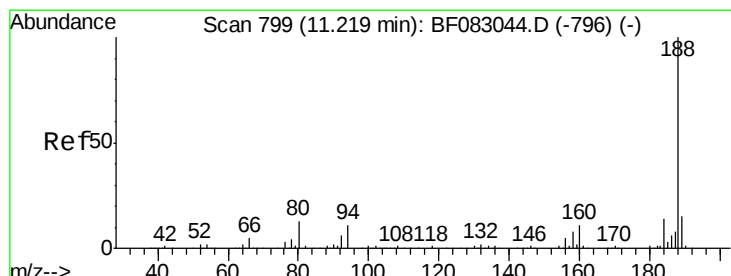
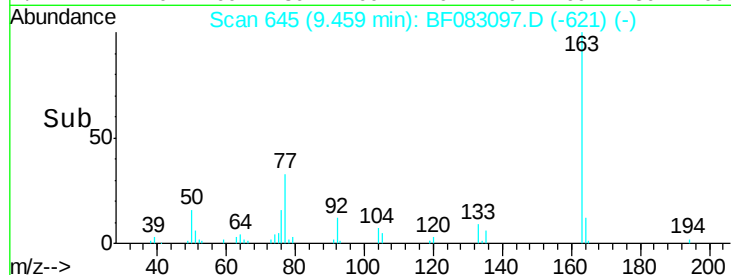
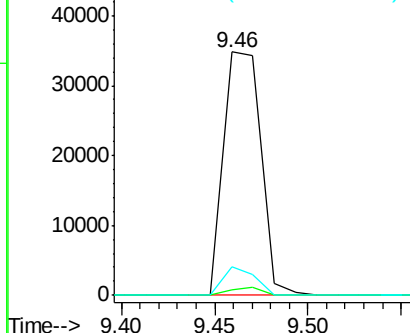
#49  
Dimethylphthalate  
Concen: 2.35 ng  
RT: 9.46 min Scan# 645  
Delta R.T. -0.02 min  
Lab File: BF083097.D  
Acq: 21 Nov 2015 1:35

Instrument :  
BNA\_F  
ClientSampleId :  
111815-A263-E-U-M

Tot Ion:163 Resp: 48906  
Ion Ratio Lower Upper  
163 100  
194 2.4 2.7 4.1#  
164 11.5 8.5 12.7

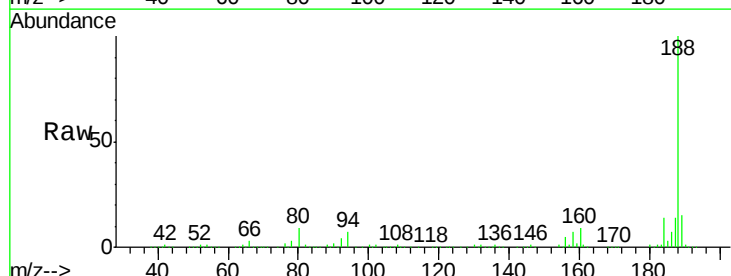


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

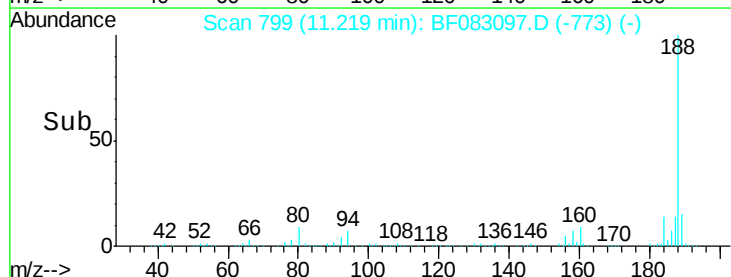
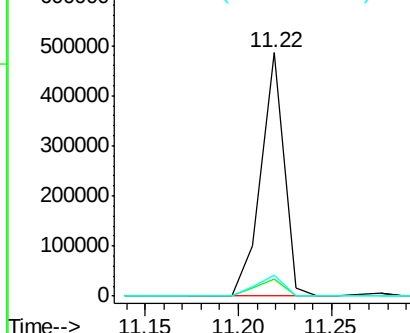


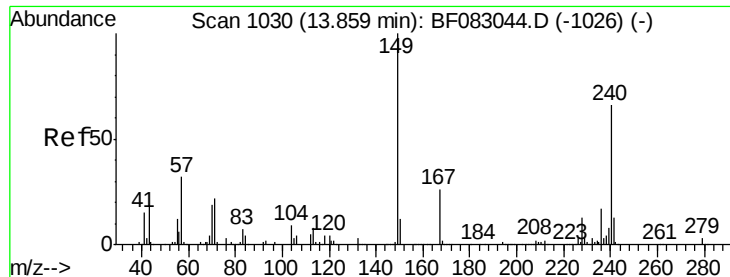
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.22 min Scan# 799  
Delta R.T. 0.00 min  
Lab File: BF083097.D  
Acq: 21 Nov 2015 1:35

Tgt Ion:188 Resp: 414946  
Ion Ratio Lower Upper  
188 100  
94 7.2 9.0 13.4#  
80 8.5 10.2 15.4#



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: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF083097.D

Acq: 21 Nov 2015 1:35

Instrument :

BNA\_F

ClientSampleId :

111815-A263-E-U-M

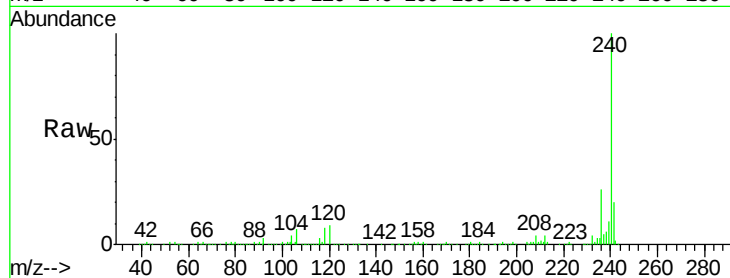
Tot Ion:240 Resp: 373443

Ion Ratio Lower Upper

240 100

120 8.6 5.3 7.9#

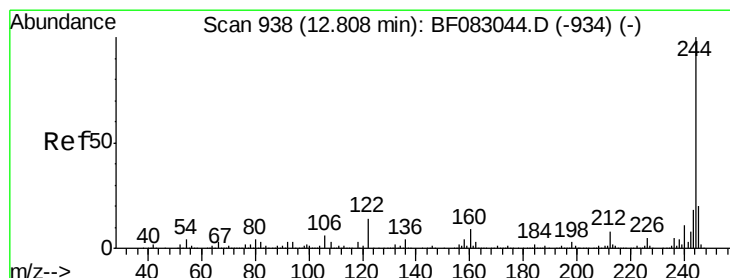
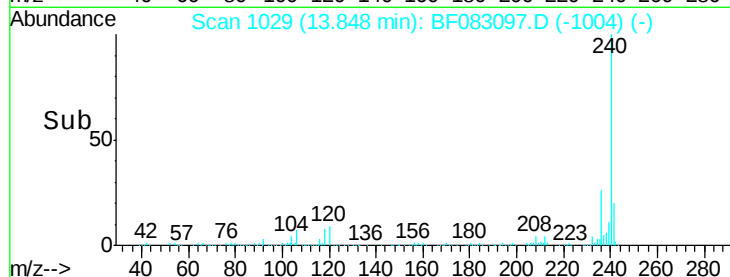
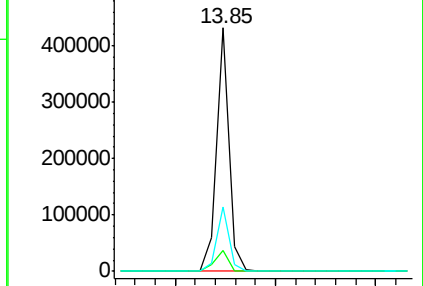
236 26.2 20.4 30.6



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: 79.33 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF083097.D

Acq: 21 Nov 2015 1:35

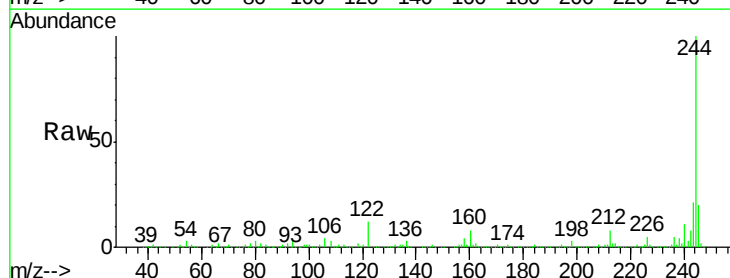
Tgt Ion:244 Resp: 1254882

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

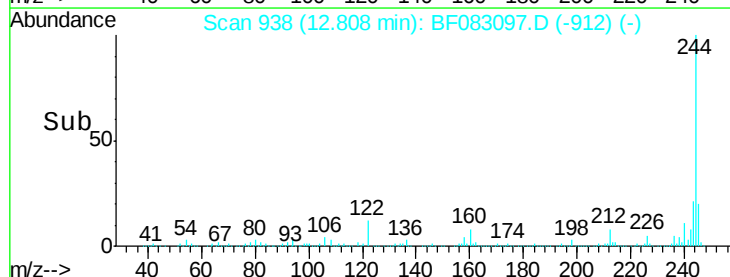
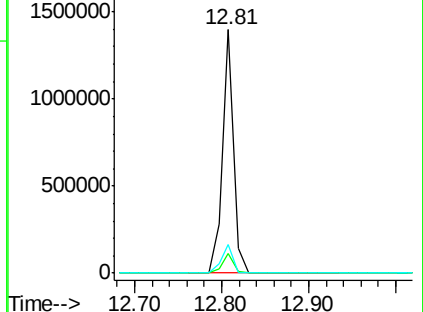
122 11.5 10.9 16.3

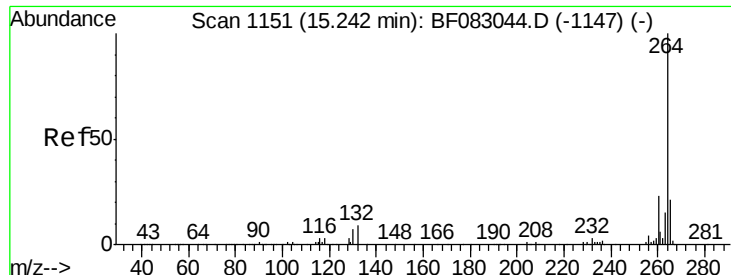


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

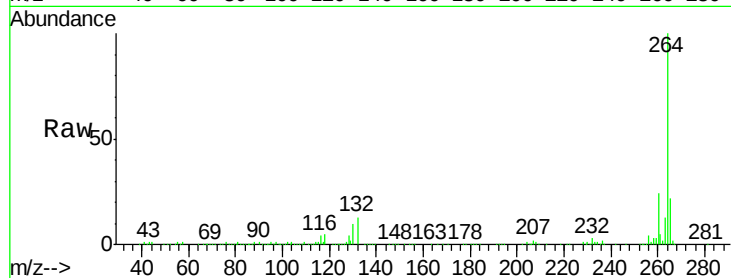




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.23 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF083097.D  
 Acq: 21 Nov 2015 1:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111815-A263-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 18.6  | 27.8  |
| 265     | 21.6  | 17.0  | 25.6  |



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

