

Data Path : V:\HPCHEM1\BNA F\DATA\BF112115\  
 Data File : BF083146.D  
 Acq On : 22 Nov 2015 8:56  
 Operator : UM/IZ  
 Sample : G4505-07  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-24(6.5-7)

Quant Time: Nov 23 03:17:33 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Nov 22 09:22:46 2015  
 Response via : Initial Calibration

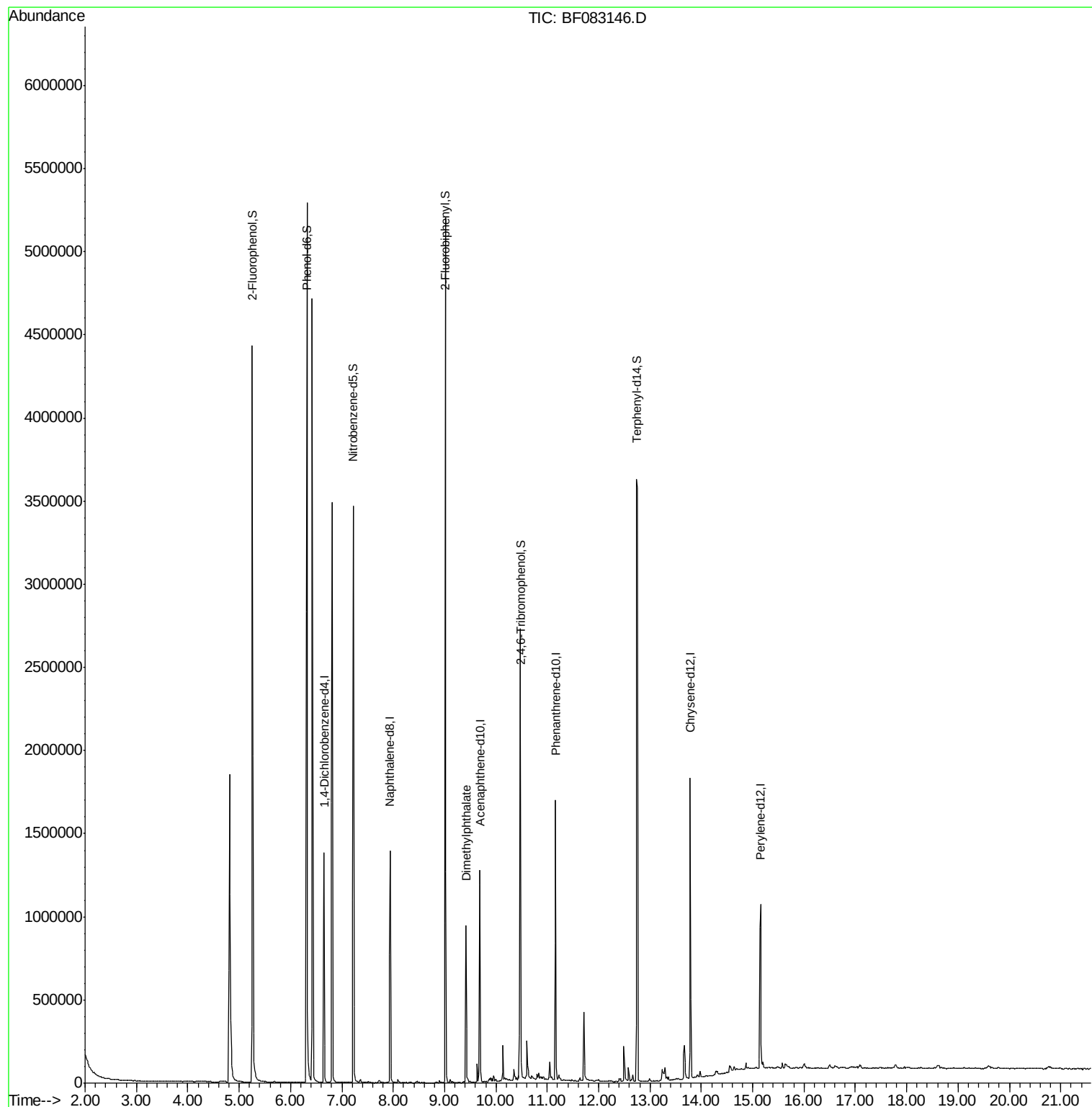
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.65  | 152  | 201569   | 20.00  | ng    | -0.01         |
| 21) Naphthalene-d8          | 7.94  | 136  | 758235   | 20.00  | ng    | -0.01         |
| 38) Acenaphthene-d10        | 9.69  | 164  | 375045   | 20.00  | ng    | -0.01         |
| 63) Phenanthrene-d10        | 11.16 | 188  | 717325   | 20.00  | ng    | -0.01         |
| 75) Chrysene-d12            | 13.78 | 240  | 629818   | 20.00  | ng    | -0.02         |
| 86) Perylene-d12            | 15.15 | 264  | 542892   | 20.00  | ng    | -0.01         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.26  | 112  | 1399634  | 104.98 | ng    | -0.02         |
| 7) Phenol-d6                | 6.32  | 99   | 2090761  | 121.20 | ng    | -0.02         |
| 23) Nitrobenzene-d5         | 7.22  | 82   | 1251900  | 75.44  | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 10.48 | 330  | 455671   | 118.76 | ng    | -0.01         |
| 44) 2-Fluorobiphenyl        | 9.02  | 172  | 1685881  | 62.68  | ng    | -0.01         |
| 78) Terphenyl-d14           | 12.75 | 244  | 1767429  | 66.08  | ng    | -0.01         |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.42  | 163  | 389927   | 13.50  | ng    | Qvalue<br>100 |

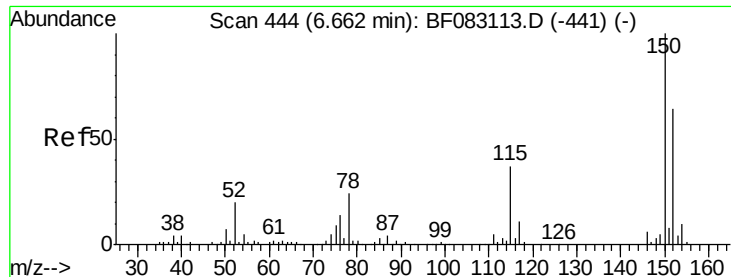
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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SB-24(6.5-7)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Nov 22 09:22:46 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083146.D

Acq: 22 Nov 2015 8:56

Instrument :

BNA\_F

ClientSampleId :

SB-24(6.5-7)

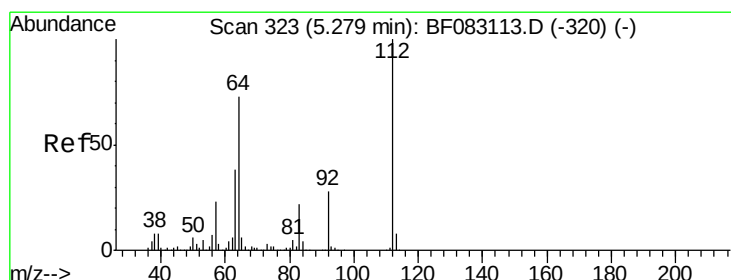
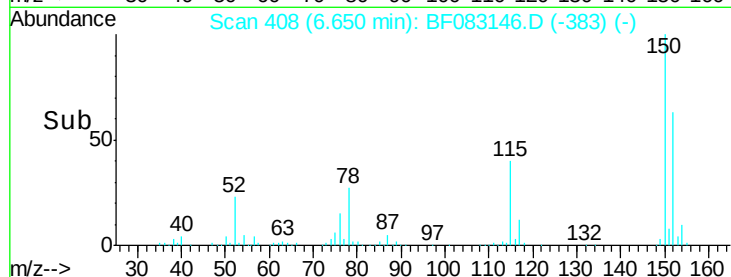
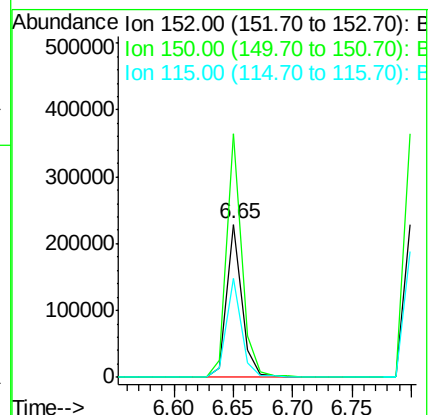
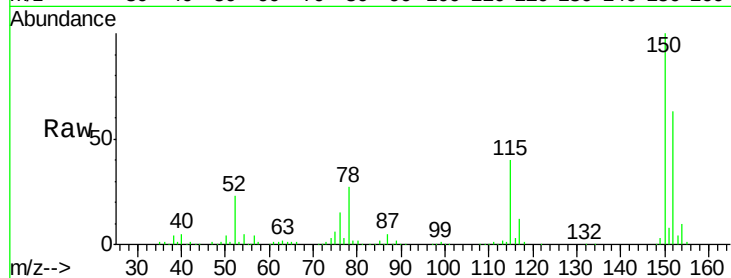
Tot Ion:152 Resp: 201569

Ion Ratio Lower Upper

152 100

150 159.0 125.8 188.8

115 64.2 46.9 70.3



#5

2-Fluorophenol

Concen: 104.98 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083146.D

Acq: 22 Nov 2015 8:56

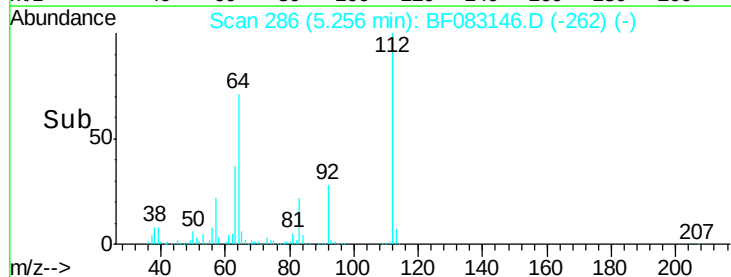
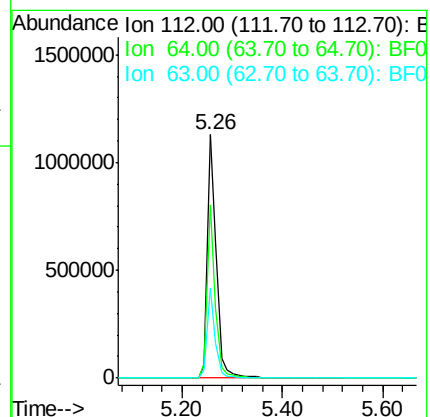
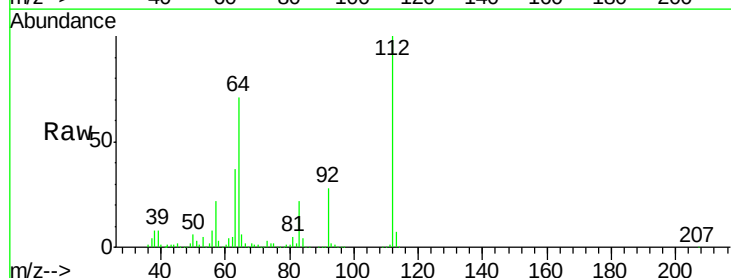
Tgt Ion:112 Resp: 1399634

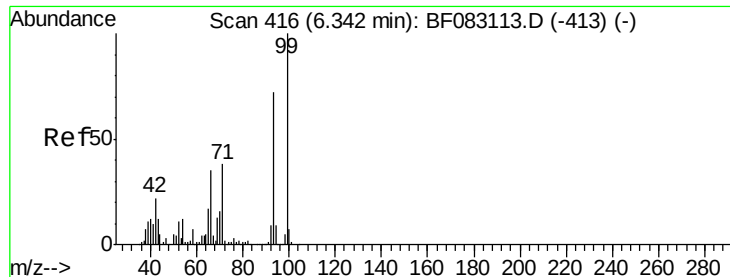
Ion Ratio Lower Upper

112 100

64 71.4 58.4 87.6

63 36.8 30.0 45.0





#7

Phenol-d6

Concen: 121.20 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083146.D

Acq: 22 Nov 2015 8:56

Instrument :

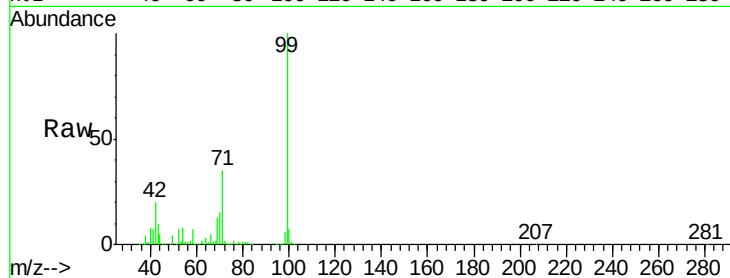
BNA\_F

ClientSampleId :

SB-24(6.5-7)

Tot Ion: 99 Resp: 2090761

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.6  | 17.7  | 26.5  |
| 71  | 35.2  | 30.2  | 45.4  |

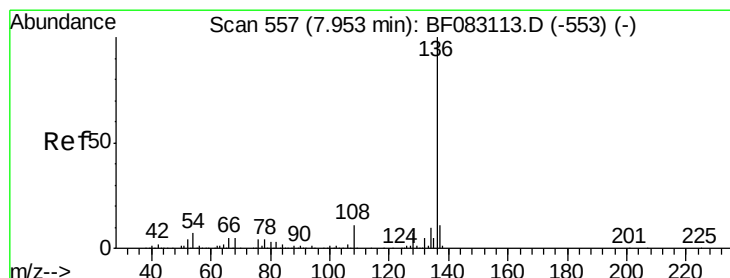
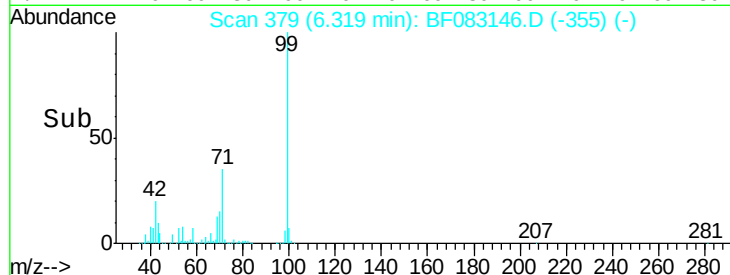
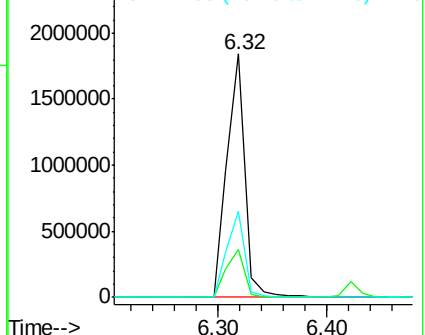


Abundance

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: 7.94 min Scan# 521

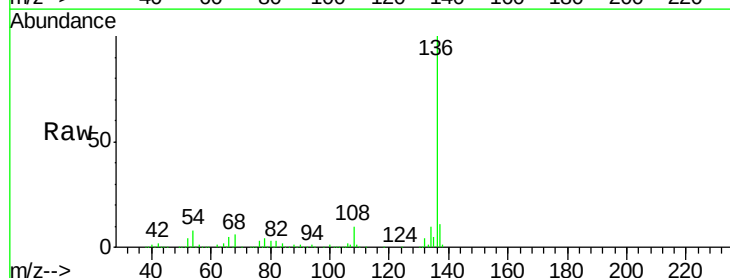
Delta R.T. -0.01 min

Lab File: BF083146.D

Acq: 22 Nov 2015 8:56

Tgt Ion: 136 Resp: 758235

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.7   | 13.1  |
| 54  | 7.6   | 5.8   | 8.6   |
| 68  | 5.9   | 3.8   | 5.8#  |



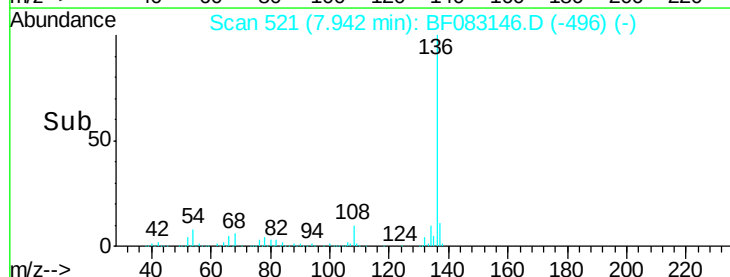
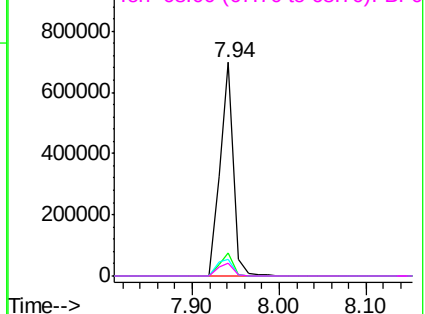
Abundance

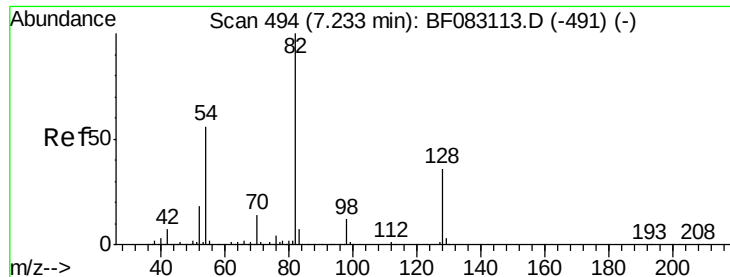
Ion 136.00 (135.70 to 136.70): E

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

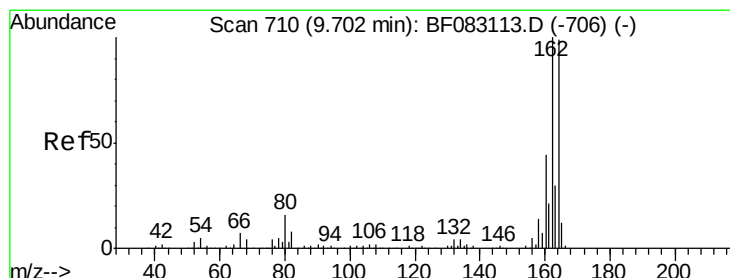
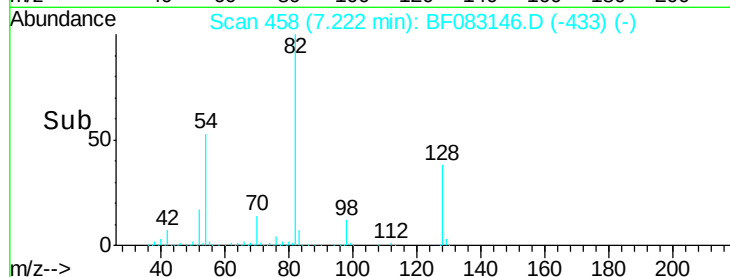
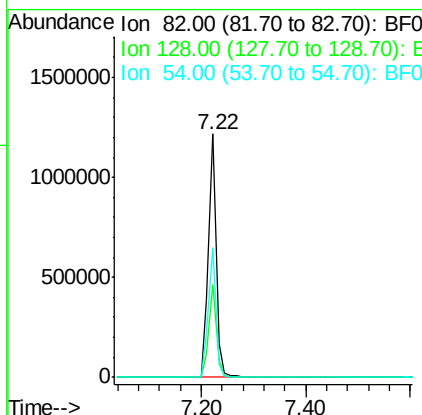
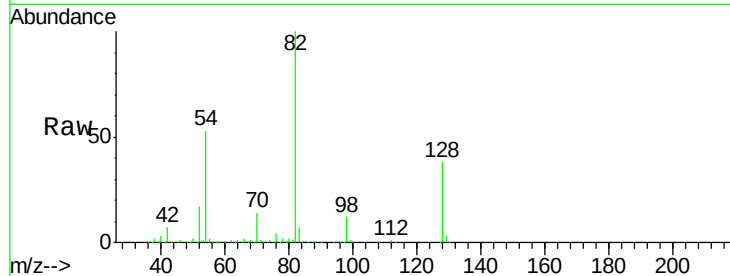




#23  
 Nitrobenzene-d5  
 Concen: 75.44 ng  
 RT: 7.22 min Scan# 458  
 Delta R.T. -0.01 min  
 Lab File: BF083146.D  
 Acq: 22 Nov 2015 8:56

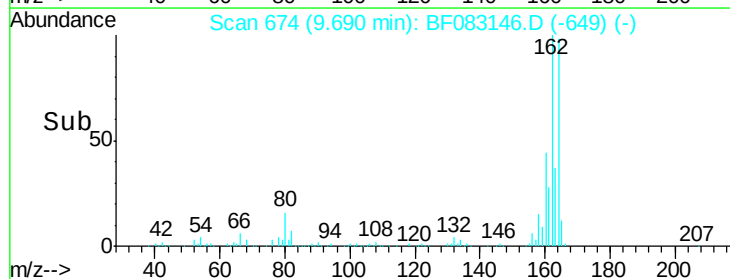
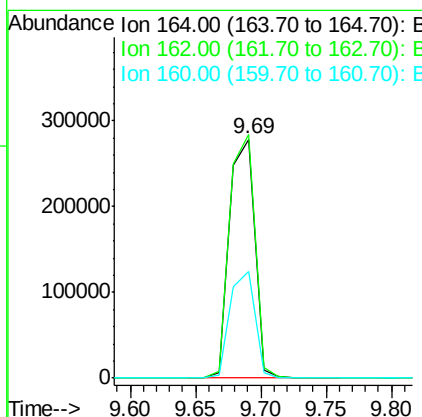
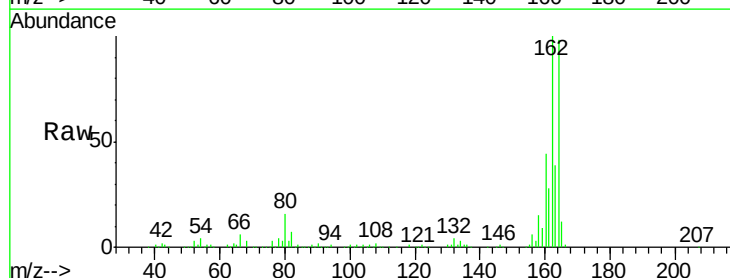
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-24(6.5-7)

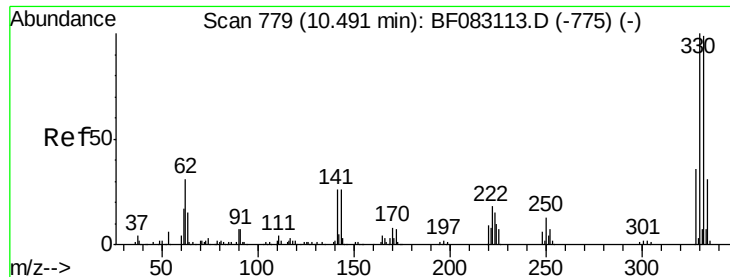
Tot Ion: 82 Resp: 1251900  
 Ion Ratio Lower Upper  
 82 100  
 128 38.2 28.5 42.7  
 54 53.5 44.6 67.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.69 min Scan# 674  
 Delta R.T. -0.01 min  
 Lab File: BF083146.D  
 Acq: 22 Nov 2015 8:56

Tgt Ion:164 Resp: 375045  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 81.2 121.8  
 160 44.8 35.6 53.4

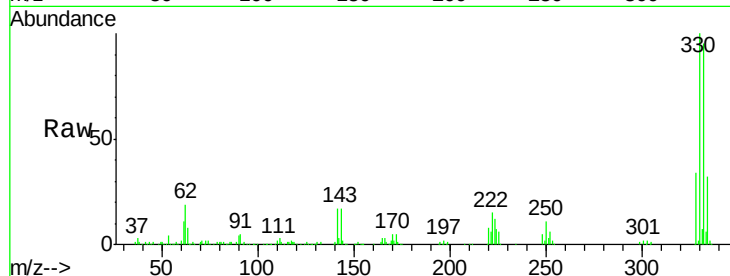




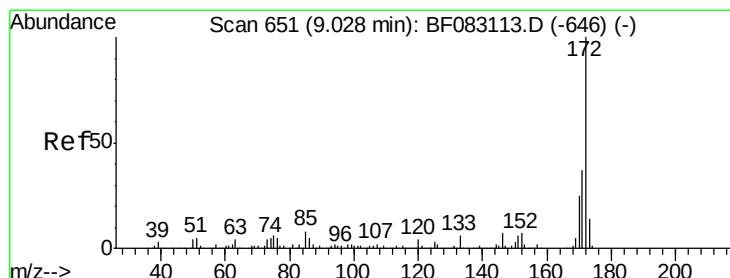
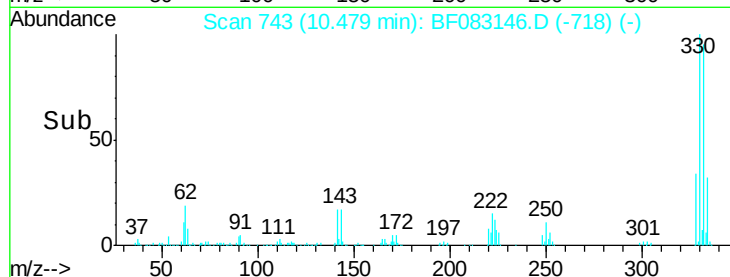
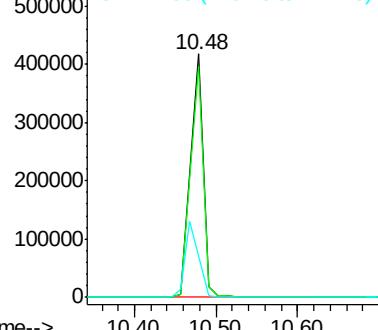
#41  
 2,4,6-Tribromophenol  
 Concen: 118.76 ng  
 RT: 10.48 min Scan# 743  
 Delta R.T. -0.01 min  
 Lab File: BF083146.D  
 Acq: 22 Nov 2015 8:56

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-24(6.5-7)

Tot Ion:330 Resp: 455671  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 77.7 116.5  
 141 33.4 29.7 44.5

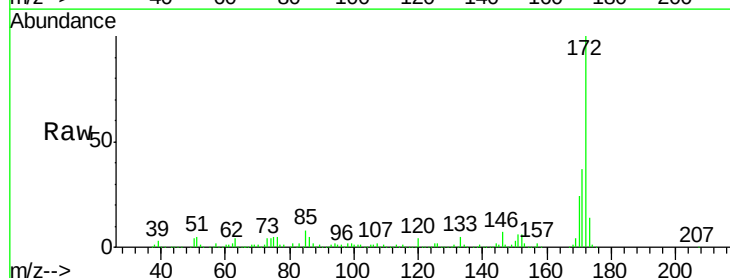


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

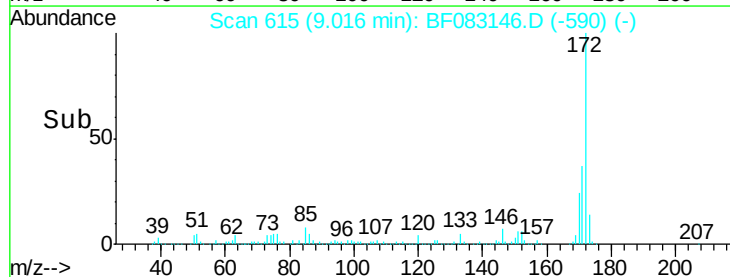
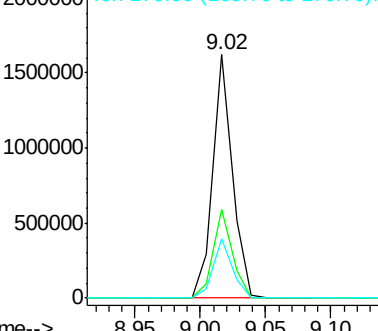


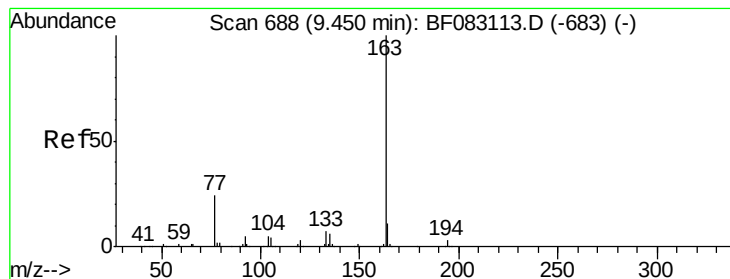
#44  
 2-Fluorobiphenyl  
 Concen: 62.68 ng  
 RT: 9.02 min Scan# 615  
 Delta R.T. -0.01 min  
 Lab File: BF083146.D  
 Acq: 22 Nov 2015 8:56

Tgt Ion:172 Resp: 1685881  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.5 44.3  
 170 24.4 19.9 29.9



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: 13.50 ng

RT: 9.42 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF083146.D

Acq: 22 Nov 2015 8:56

Instrument :

BNA\_F

ClientSampleId :

SB-24(6.5-7)

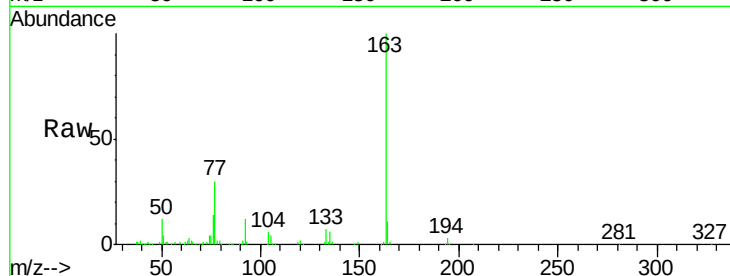
Tot Ion:163 Resp: 389927

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

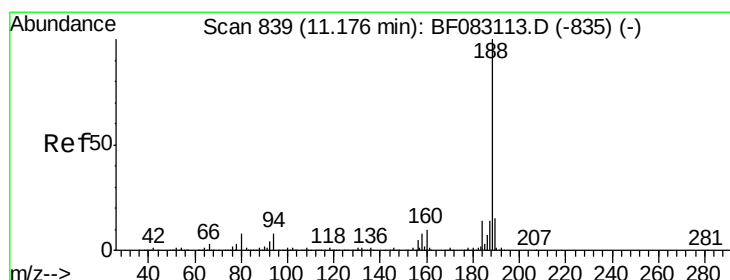
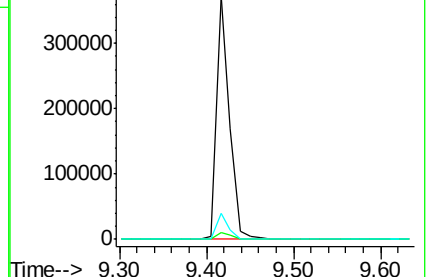
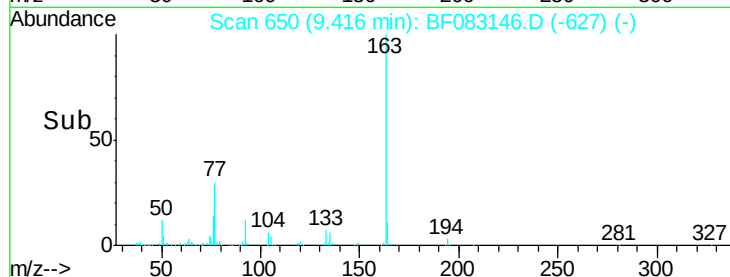
164 10.8 8.6 12.8



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: 11.16 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083146.D

Acq: 22 Nov 2015 8:56

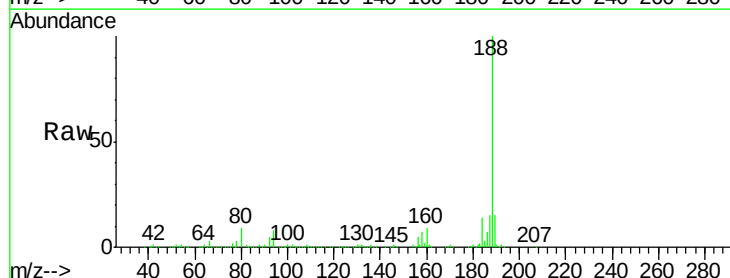
Tgt Ion:188 Resp: 717325

Ion Ratio Lower Upper

188 100

94 7.6 6.0 9.0

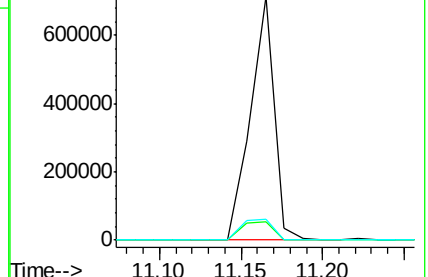
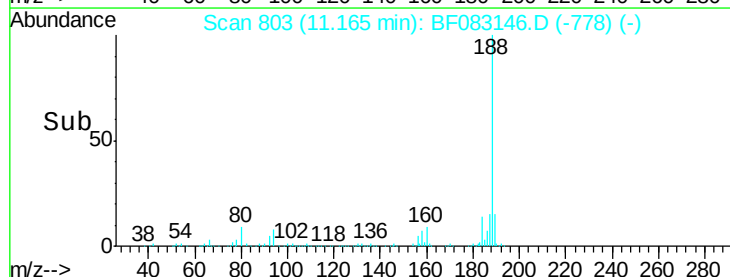
80 8.6 6.7 10.1

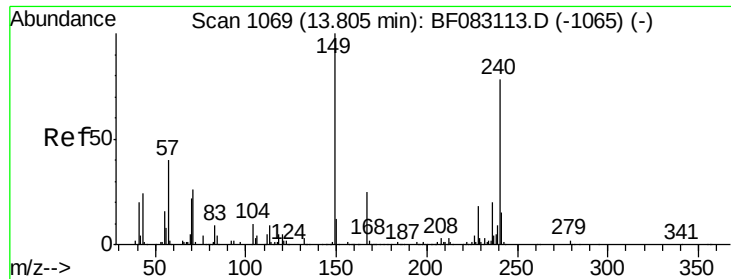


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083146.D

Acq: 22 Nov 2015 8:56

Instrument :

BNA\_F

ClientSampleId :

SB-24(6.5-7)

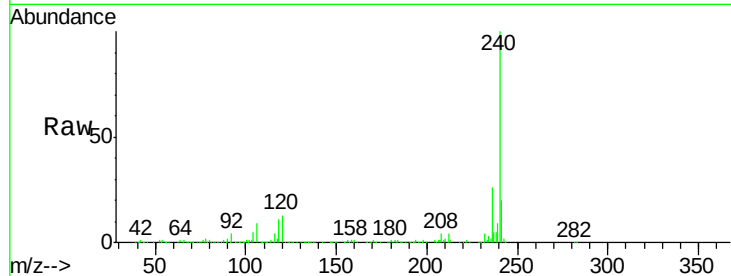
Tot Ion:240 Resp: 629818

Ion Ratio Lower Upper

240 100

120 12.7 5.4 8.2#

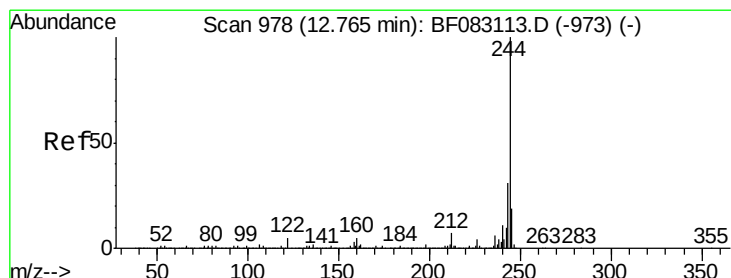
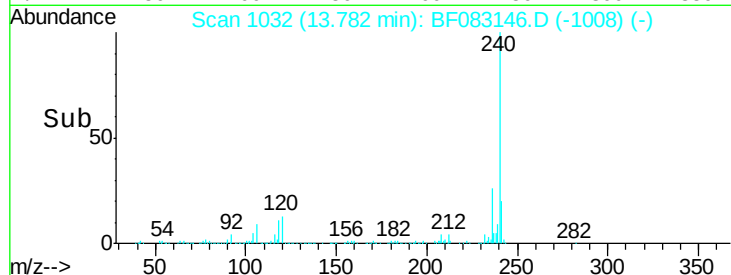
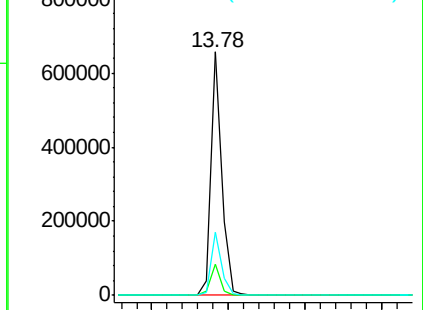
236 25.7 20.6 31.0



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: 66.08 ng

RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF083146.D

Acq: 22 Nov 2015 8:56

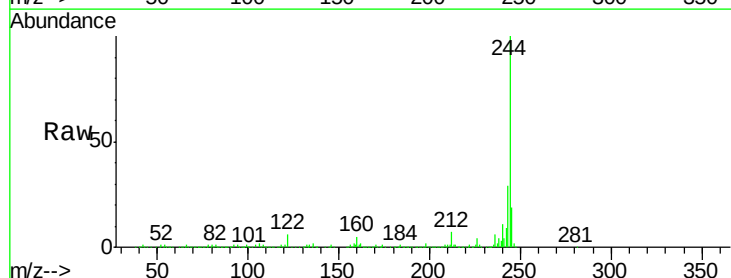
Tgt Ion:244 Resp: 1767429

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

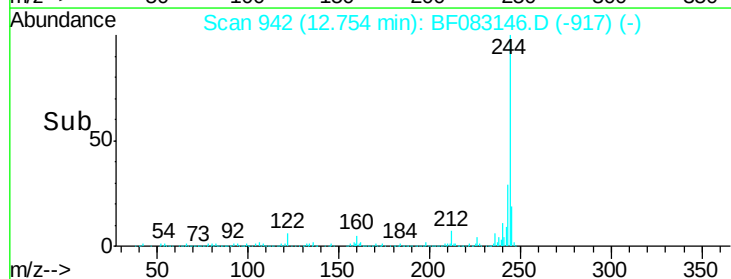
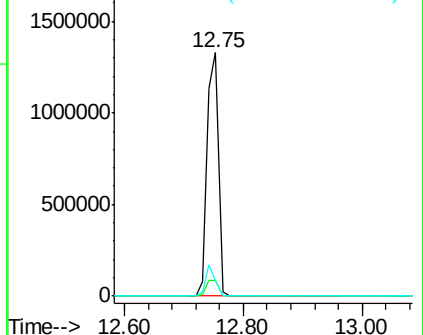
122 6.2 4.3 6.5



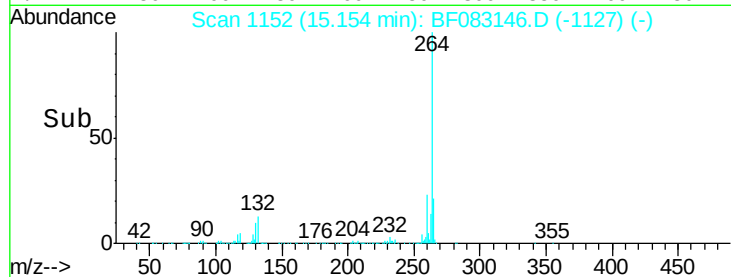
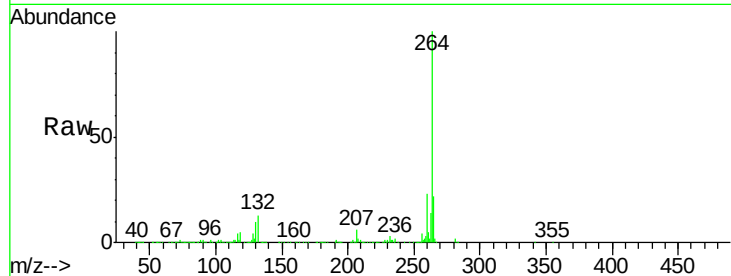
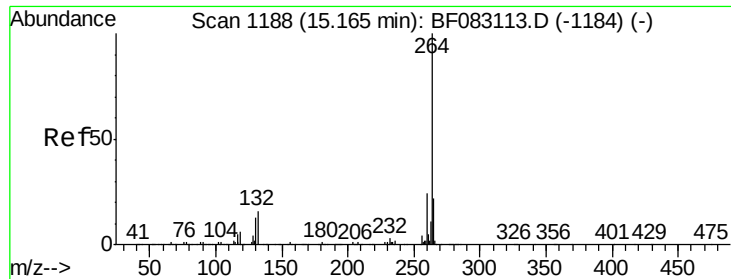
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.15 min Scan# 1152  
Delta R.T. -0.01 min  
Lab File: BF083146.D  
Acq: 22 Nov 2015 8:56

Instrument :  
BNA\_F  
ClientSampleId :  
SB-24(6.5-7)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.1  | 28.7  |
| 265     | 21.6  | 18.2  | 27.4  |

