

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\  
 Data File : BF084782.D  
 Acq On : 3 Feb 2016 9:26  
 Operator : SJ/IZ  
 Sample : H1313-08  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-27-012916

Quant Time: Feb 03 10:00:49 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 01 14:55:11 2016  
 Response via : Initial Calibration

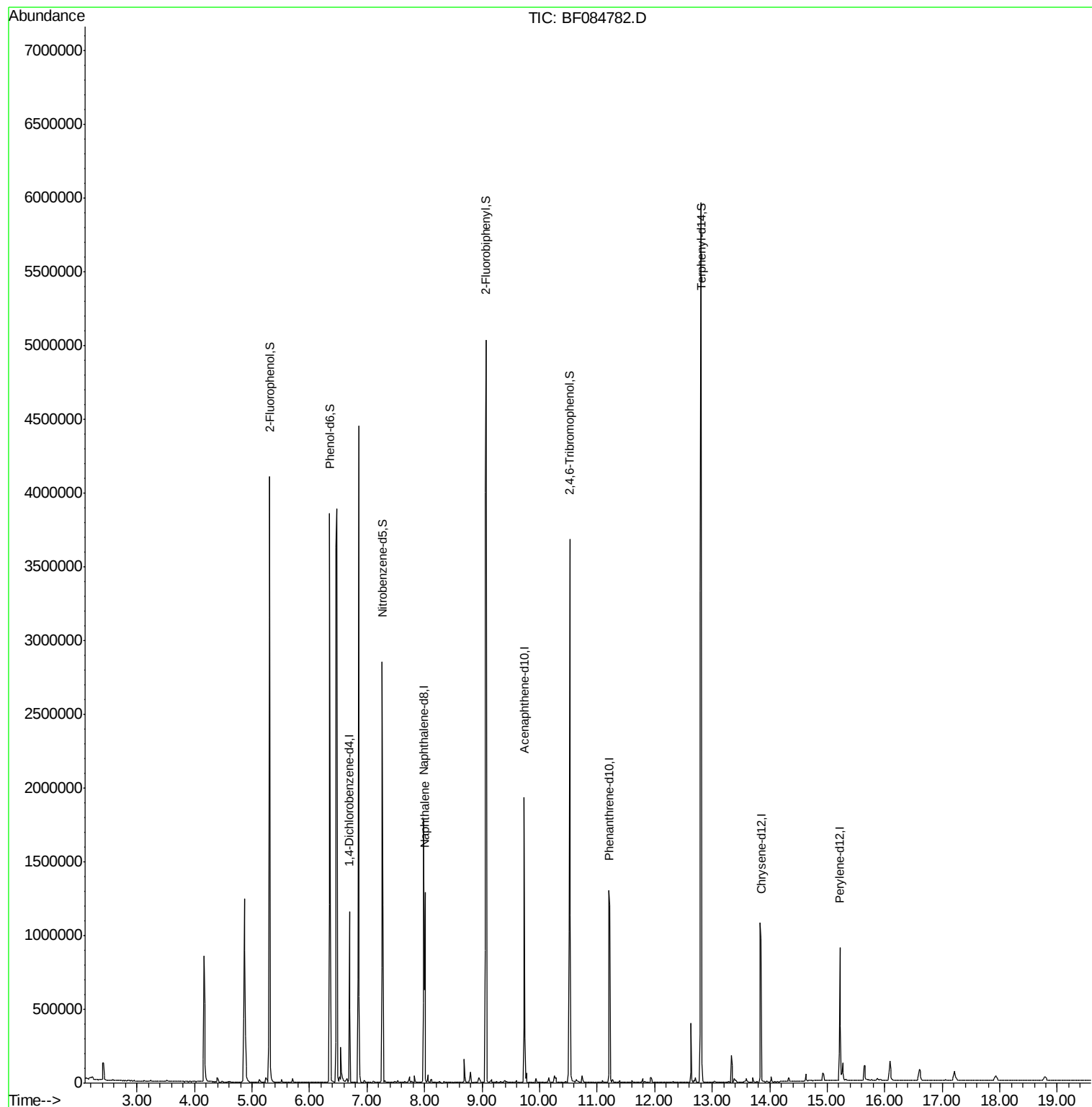
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.69  | 152  | 185651   | 20.00  | ng    | -0.03        |
| 21) Naphthalene-d8          | 7.98  | 136  | 821156   | 20.00  | ng    | -0.03        |
| 38) Acenaphthene-d10        | 9.73  | 164  | 378752   | 20.00  | ng    | -0.03        |
| 63) Phenanthrene-d10        | 11.22 | 188  | 715846   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 13.85 | 240  | 546743   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 15.22 | 264  | 393001   | 20.00  | ng    | -0.03        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.31  | 112  | 1493497  | 125.30 | ng    | 0.00         |
| 7) Phenol-d6                | 6.35  | 99   | 1542255  | 104.37 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 1123518  | 77.08  | ng    | -0.03        |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 526165   | 133.18 | ng    | -0.03        |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 2266972  | 113.50 | ng    | -0.02        |
| 78) Terphenyl-d14           | 12.81 | 244  | 2132235  | 88.37  | ng    | -0.02        |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 8.01  | 128  | 636784   | 15.46  | ng    | Qvalue<br>99 |

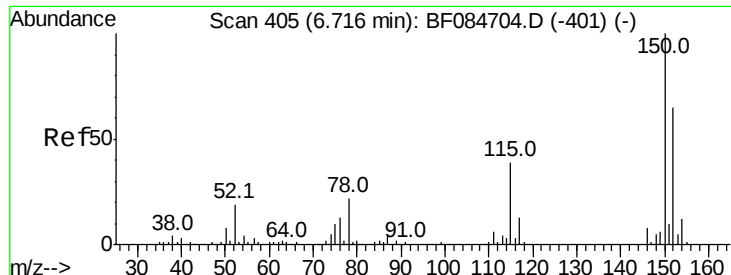
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\  
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Sample : H1313-08  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-27-012916

Quant Time: Feb 03 10:00:49 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 01 14:55:11 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084782.D

Acq: 3 Feb 2016 9:26

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-27-012916

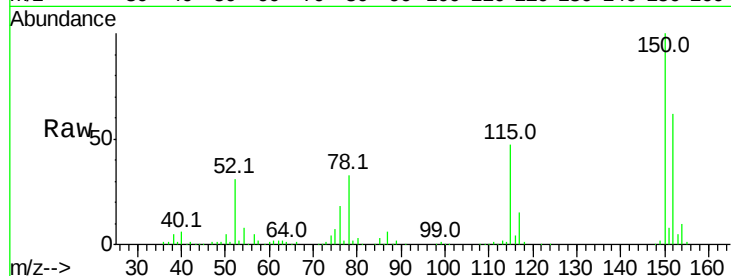
Tot Ion:152 Resp: 185651

Ion Ratio Lower Upper

152 100

150 161.4 123.0 184.4

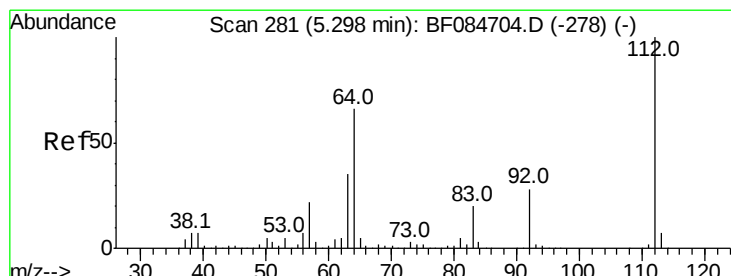
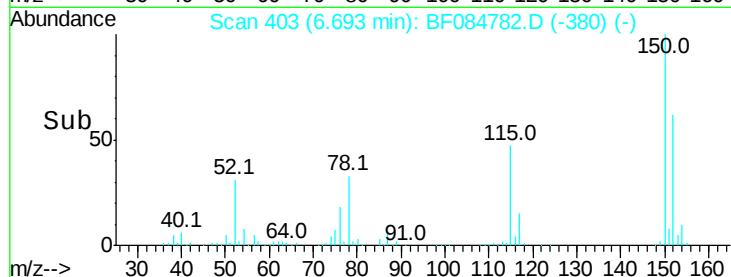
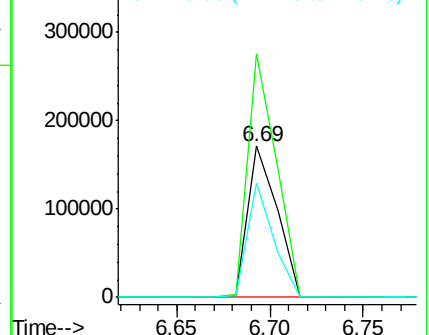
115 75.4 51.4 77.2



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: 125.30 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.00 min

Lab File: BF084782.D

Acq: 3 Feb 2016 9:26

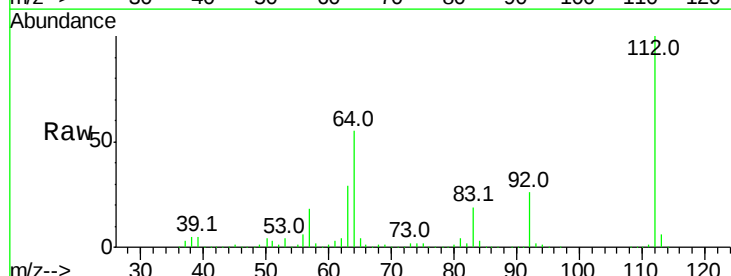
Tgt Ion:112 Resp: 1493497

Ion Ratio Lower Upper

112 100

64 54.7 36.6 55.0

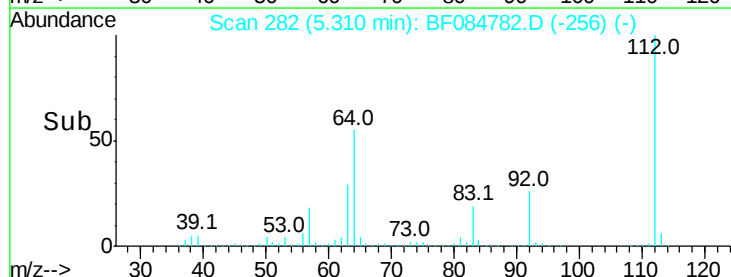
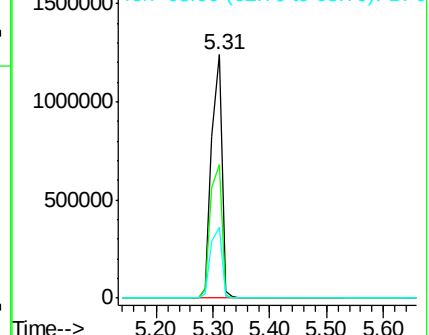
63 29.2 19.4 29.0#

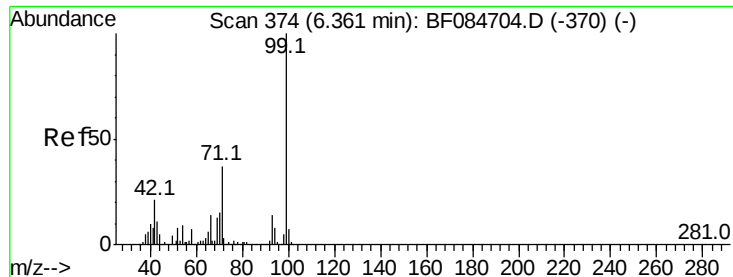


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.37 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084782.D

Acq: 3 Feb 2016 9:26

Instrument :

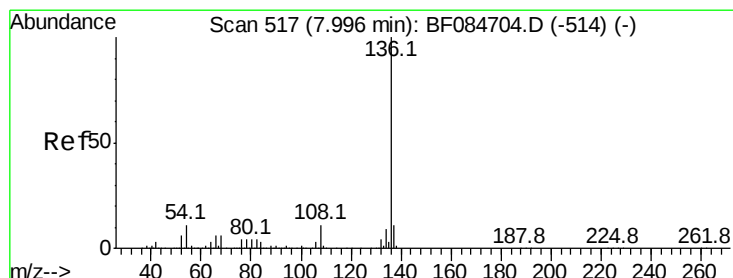
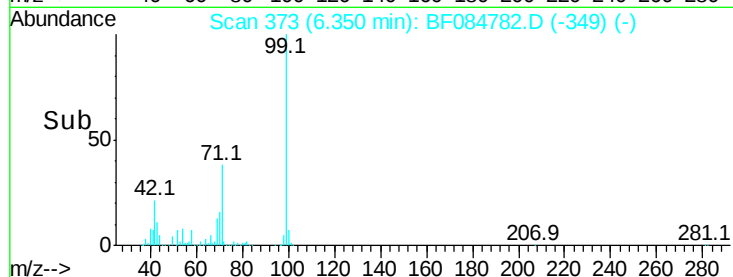
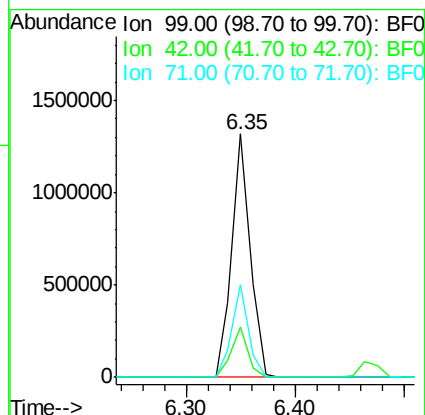
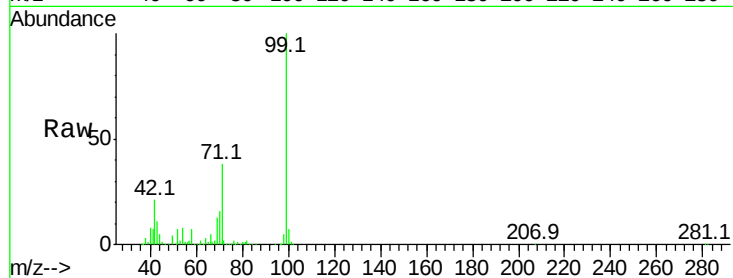
BNA\_F

ClientSampleId :

HSR-WC-27-012916

Tot Ion: 99 Resp: 1542255

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.7  | 12.8  | 19.2# |
| 71  | 37.9  | 30.9  | 46.3  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

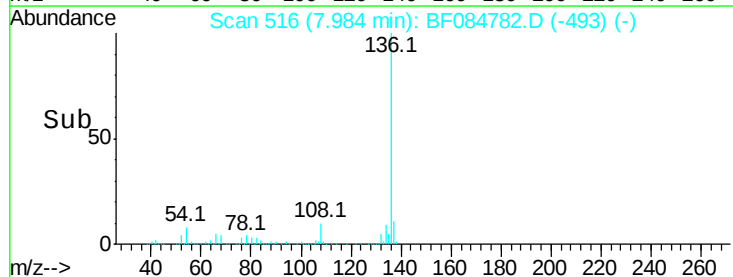
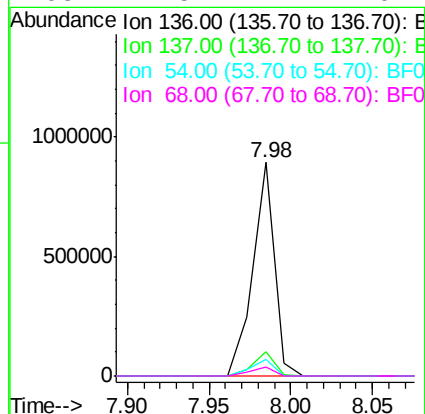
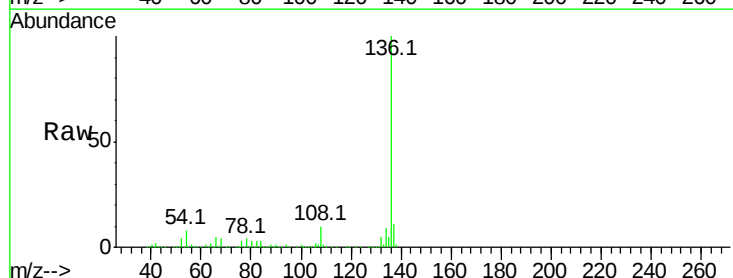
Delta R.T. -0.03 min

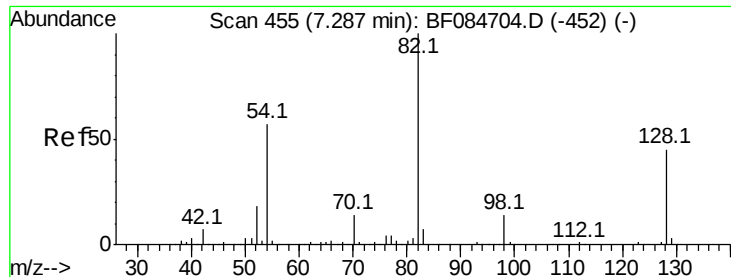
Lab File: BF084782.D

Acq: 3 Feb 2016 9:26

Tgt Ion: 136 Resp: 821156

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.7   | 13.1  |
| 54  | 7.9   | 5.8   | 8.8   |
| 68  | 4.5   | 4.2   | 6.2   |



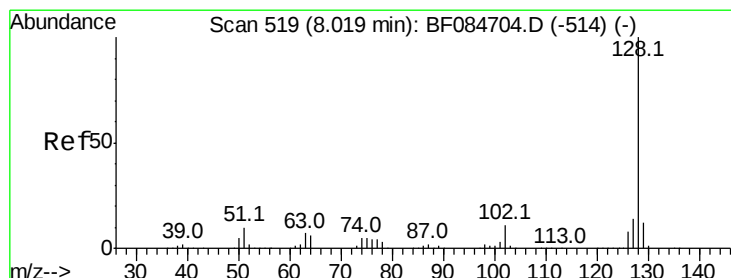
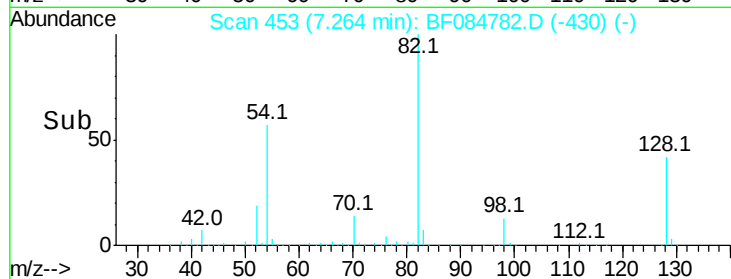
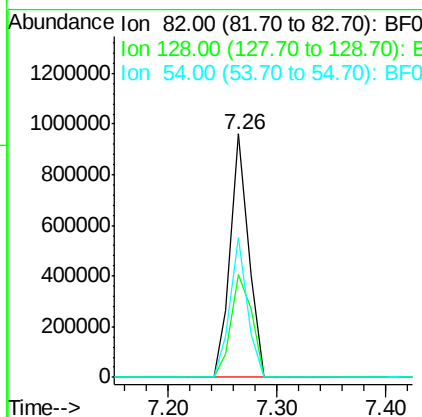
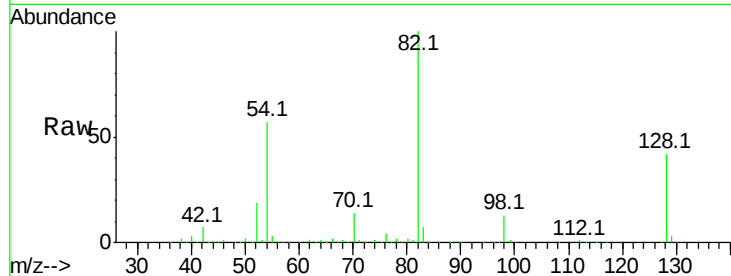


#23  
 Nitrobenzene-d5  
 Concen: 77.08 ng  
 RT: 7.26 min Scan# 453  
 Delta R.T. -0.03 min  
 Lab File: BF084782.D  
 Acq: 3 Feb 2016 9:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-27-012916

Tot Ion: 82 Resp: 1123518  

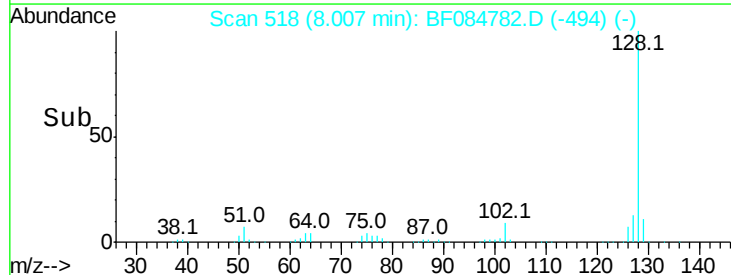
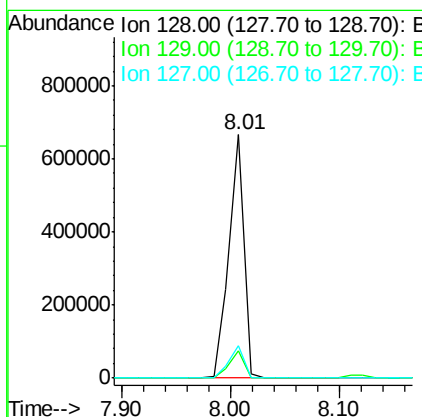
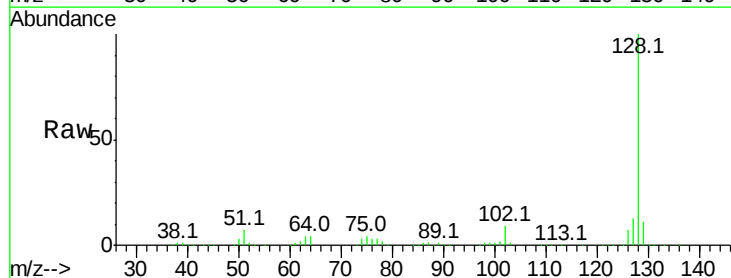
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.2  | 34.6  | 51.8  |
| 54  | 57.2  | 38.4  | 57.6  |

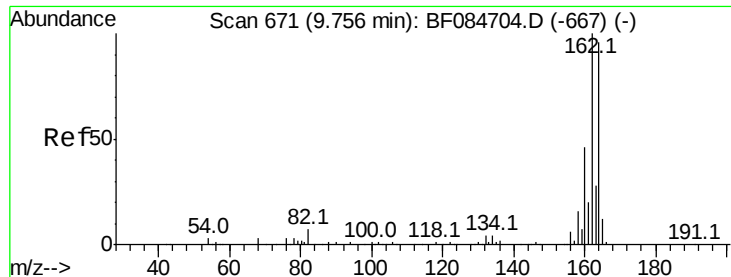


#31  
 Naphthalene  
 Concen: 15.46 ng  
 RT: 8.01 min Scan# 518  
 Delta R.T. -0.02 min  
 Lab File: BF084782.D  
 Acq: 3 Feb 2016 9:26

Tgt Ion: 128 Resp: 636784  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.1  | 9.1   | 13.7  |
| 127 | 13.2  | 11.1  | 16.7  |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084782.D

Acq: 3 Feb 2016 9:26

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-27-012916

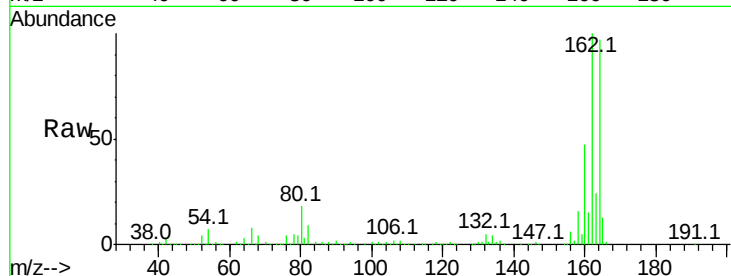
Tot Ion:164 Resp: 378752

Ion Ratio Lower Upper

164 100

162 102.6 85.1 127.7

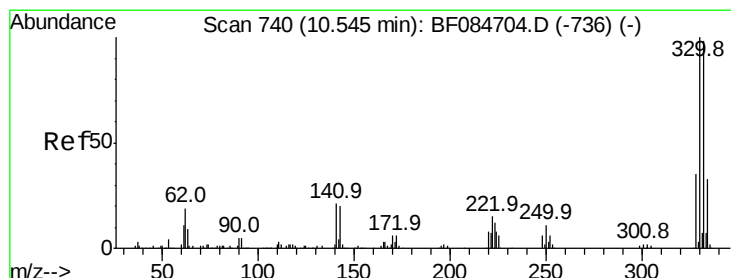
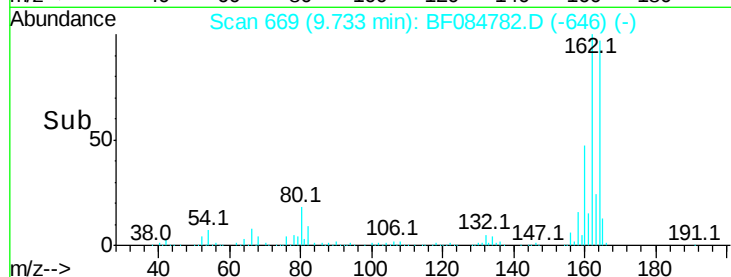
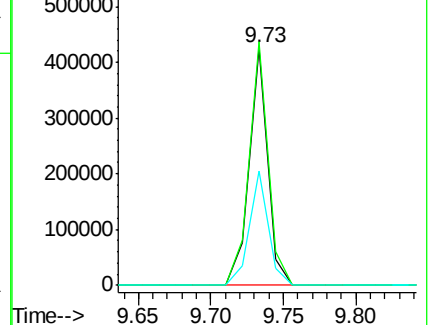
160 48.1 37.5 56.3



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: 133.18 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.03 min

Lab File: BF084782.D

Acq: 3 Feb 2016 9:26

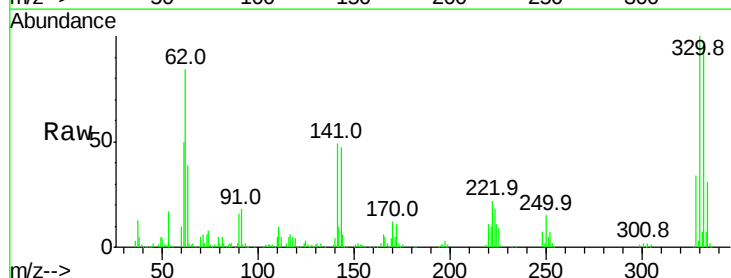
Tgt Ion:330 Resp: 526165

Ion Ratio Lower Upper

330 100

332 97.2 76.6 114.8

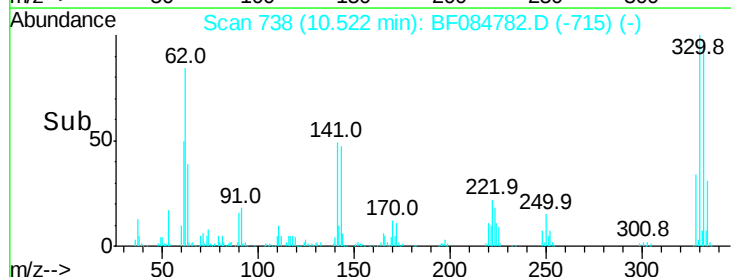
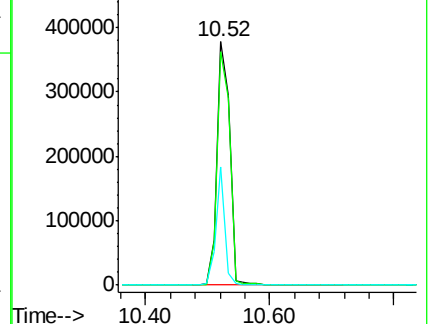
141 34.5 27.8 41.6

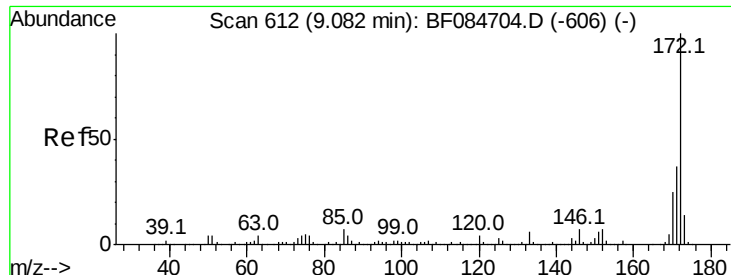


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



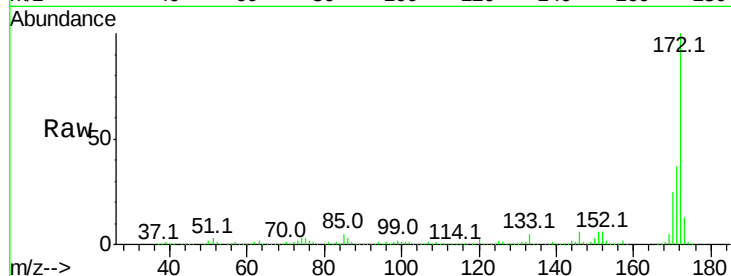


#44  
2-Fluorobiphenyl  
Concen: 113.50 ng  
RT: 9.07 min Scan# 611  
Delta R.T. -0.02 min  
Lab File: BF084782.D  
Acq: 3 Feb 2016 9:26

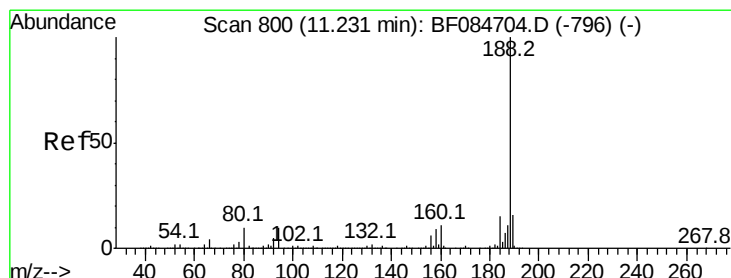
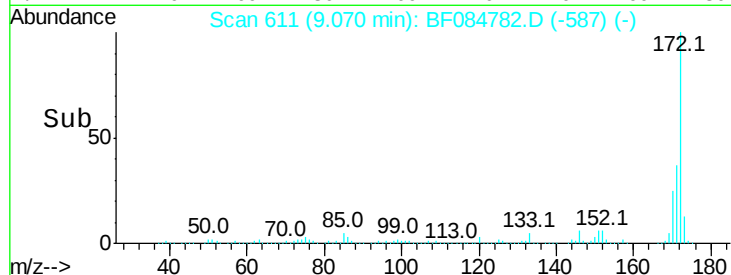
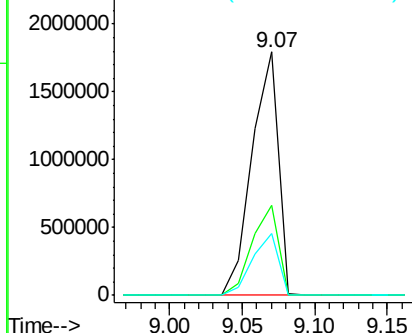
Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-27-012916

Tot Ion:172 Resp: 2266972

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.8  | 28.9  | 43.3  |
| 170 | 25.2  | 18.6  | 27.8  |



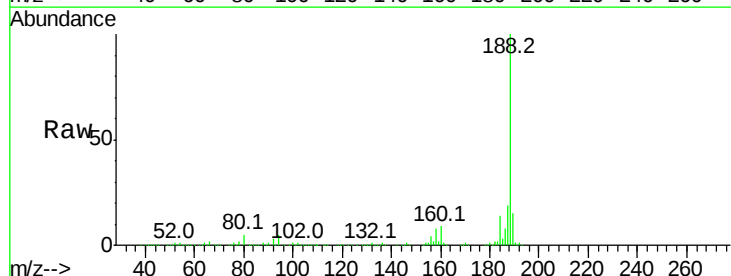
Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



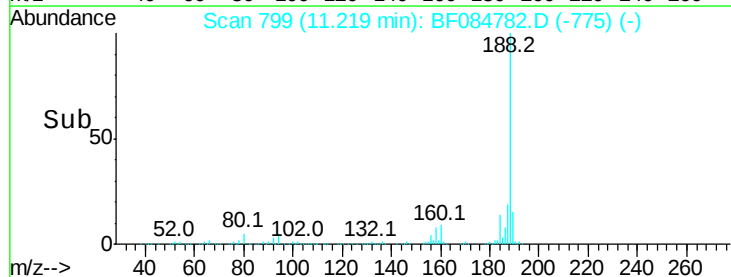
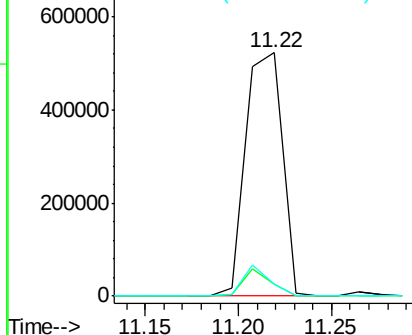
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.22 min Scan# 799  
Delta R.T. -0.02 min  
Lab File: BF084782.D  
Acq: 3 Feb 2016 9:26

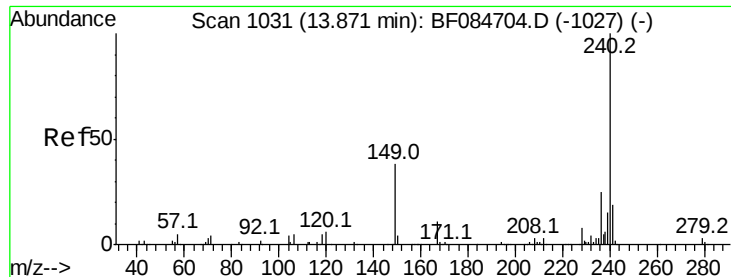
Tgt Ion:188 Resp: 715846

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 5.1   | 9.0   | 13.4# |
| 80  | 4.9   | 9.6   | 14.4# |



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. -0.02 min

Lab File: BF084782.D

Acq: 3 Feb 2016 9:26

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-27-012916

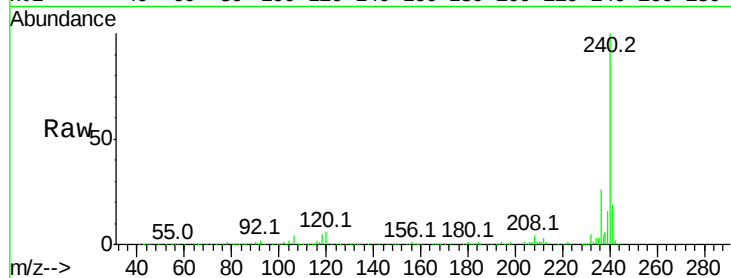
Tot Ion:240 Resp: 546743

Ion Ratio Lower Upper

240 100

120 5.9 9.5 14.3#

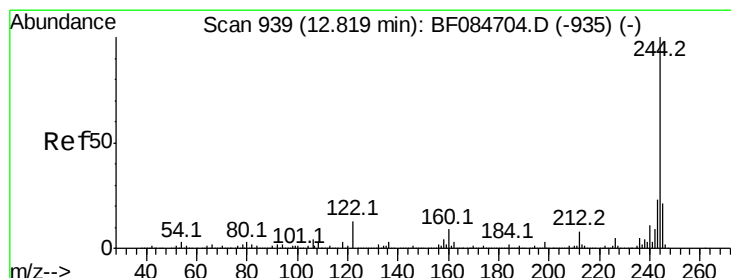
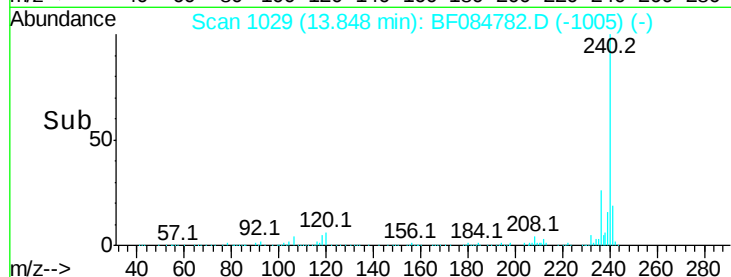
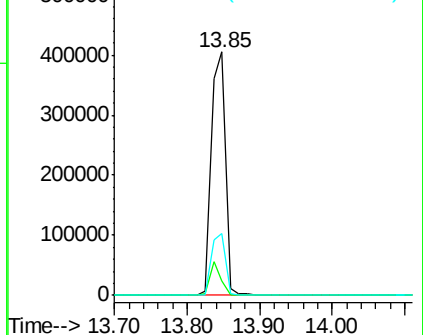
236 25.5 20.6 31.0



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: 88.37 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084782.D

Acq: 3 Feb 2016 9:26

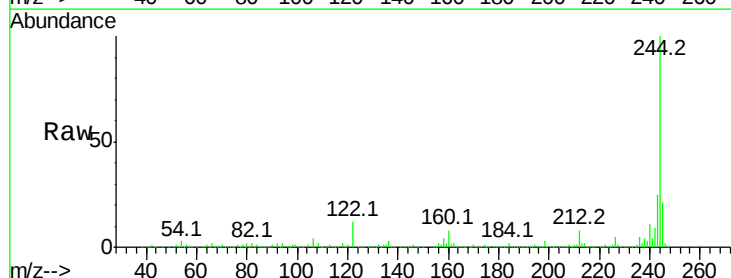
Tgt Ion:244 Resp: 2132235

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

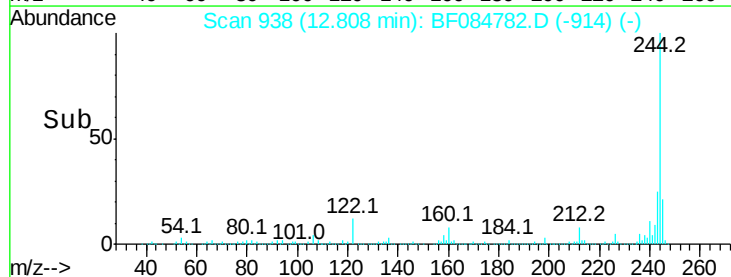
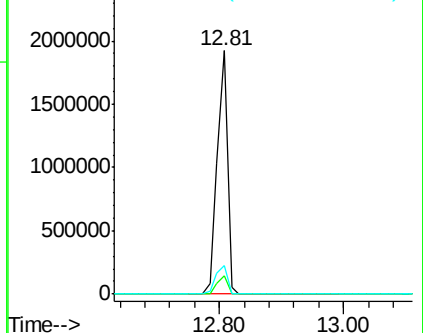
122 11.8 7.4 11.0#

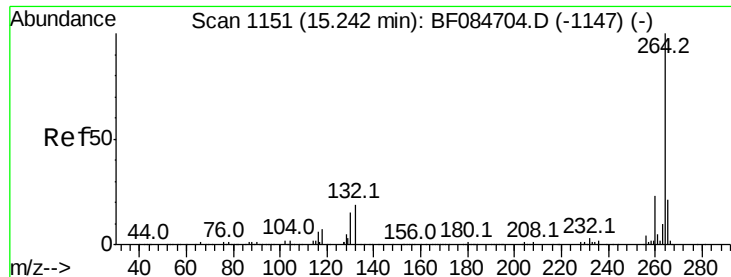


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

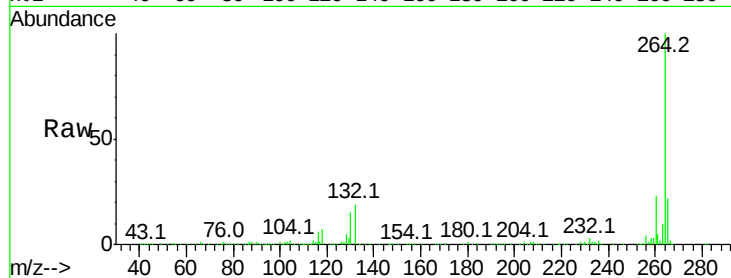




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.22 min Scan# 1149  
 Delta R.T. -0.03 min  
 Lab File: BF084782.D  
 Acq: 3 Feb 2016 9:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-27-012916

Tot Ion: 264 Resp: 393001  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 19.4 29.2  
 265 21.8 17.8 26.6



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

