

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\  
 Data File : BF083302.D  
 Acq On : 26 Nov 2015 6:41  
 Operator : UM/IZ  
 Sample : G4553-05  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112115-A263-E-U-B

Quant Time: Nov 26 07:32:16 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   | 6.59  | 152  | 139223   | 20.00  | ng    | -0.07    |
| 21) Naphthalene-d8          | 7.88  | 136  | 471378   | 20.00  | ng    | -0.07    |
| 38) Acenaphthene-d10        | 9.62  | 164  | 194822   | 20.00  | ng    | -0.08    |
| 63) Phenanthrene-d10        | 11.10 | 188  | 349221   | 20.00  | ng    | -0.08    |
| 75) Chrysene-d12            | 13.73 | 240  | 389775   | 20.00  | ng    | -0.08    |
| 86) Perylene-d12            | 15.07 | 264  | 280188   | 20.00  | ng    | -0.09    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.19  | 112  | 472085   | 51.27  | ng    | -0.09    |
| 7) Phenol-d6                | 6.26  | 99   | 384768   | 32.29  | ng    | -0.08    |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 1070439  | 103.77 | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol    | 10.42 | 330  | 184292   | 92.46  | ng    | -0.07    |
| 44) 2-Fluorobiphenyl        | 8.96  | 172  | 1406174  | 100.65 | ng    | -0.07    |
| 78) Terphenyl-d14           | 12.68 | 244  | 1222575  | 73.86  | ng    | -0.08    |

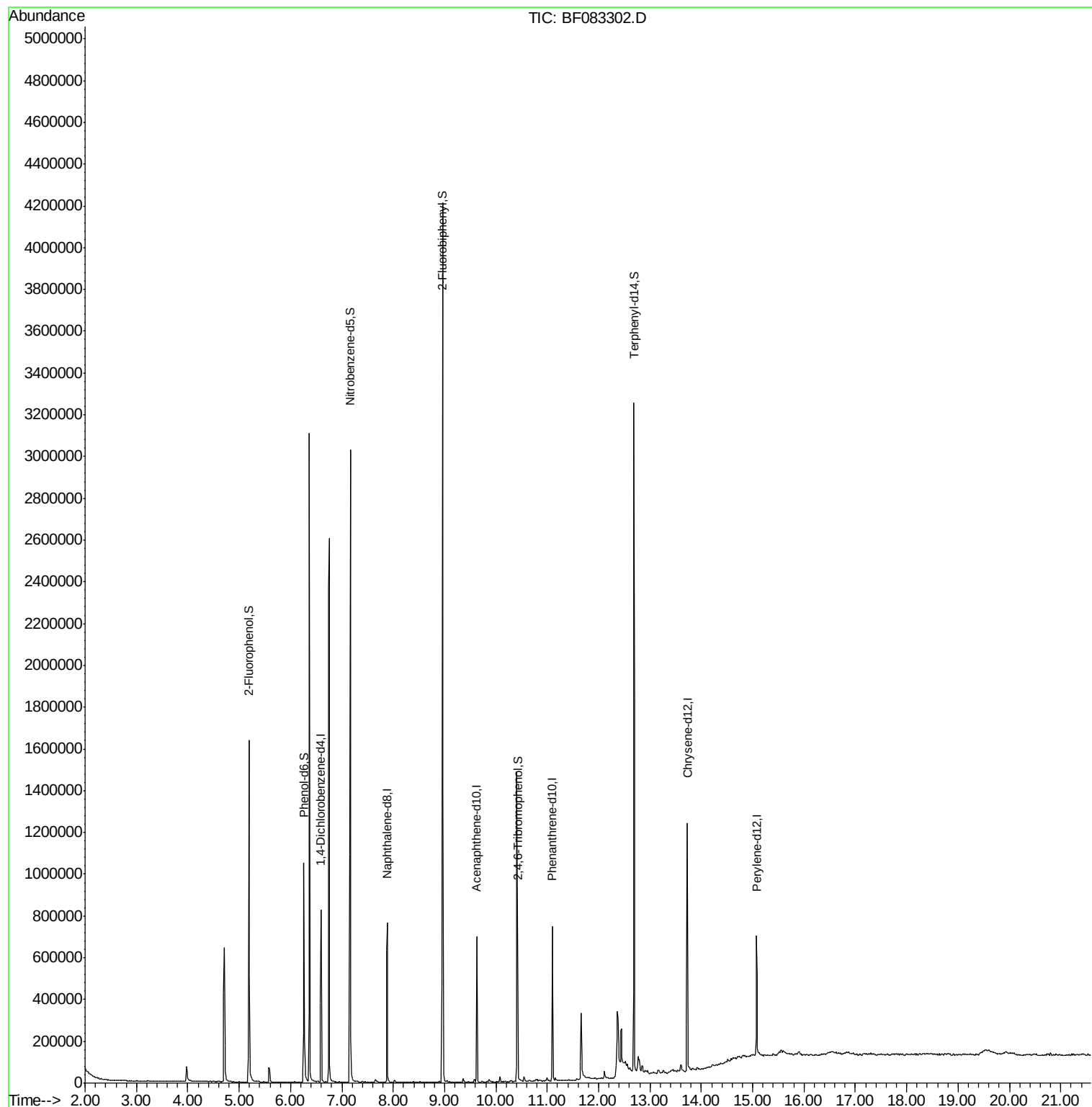
Target Compounds Qvalue

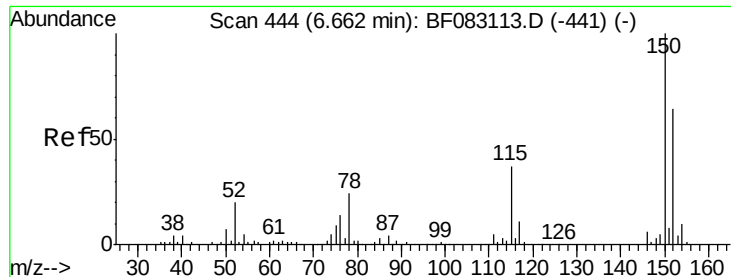
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_F  
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112115-A263-E-U-B

Quant Time: Nov 26 07:32:16 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



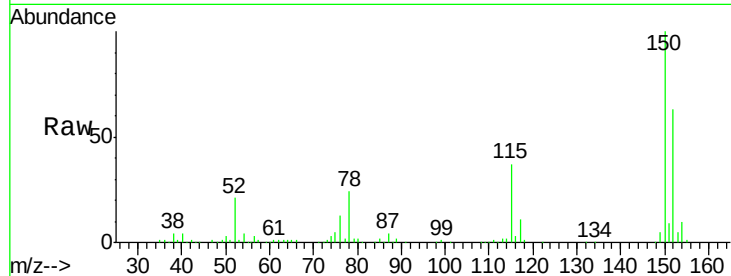


#1

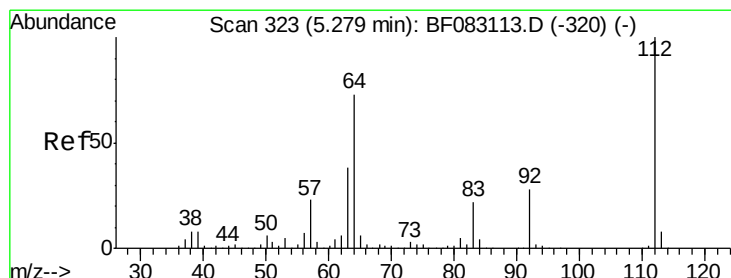
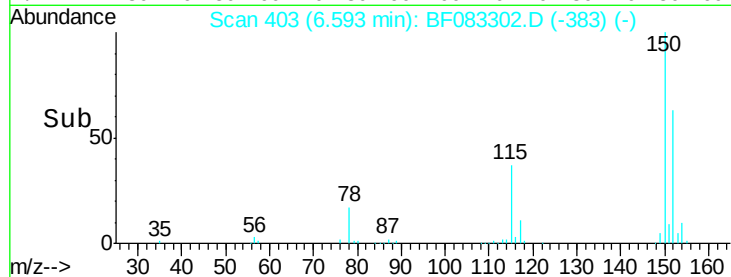
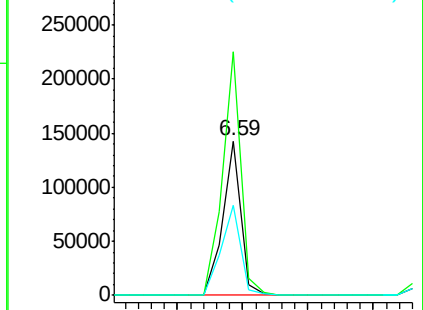
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.59 min Scan# 403  
 Delta R.T. -0.07 min  
 Lab File: BF083302.D  
 Acq: 26 Nov 2015 6:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112115-A263-E-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.5 | 125.8 | 188.8 |
| 115     | 58.4  | 46.9  | 70.3  |



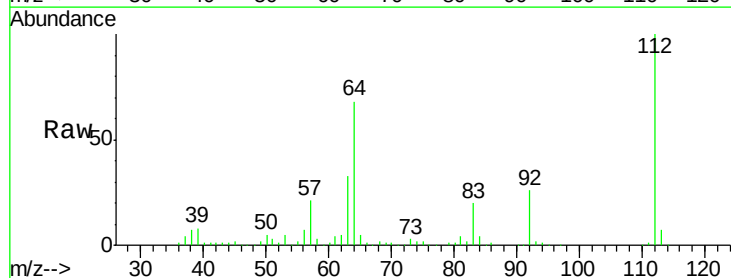
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



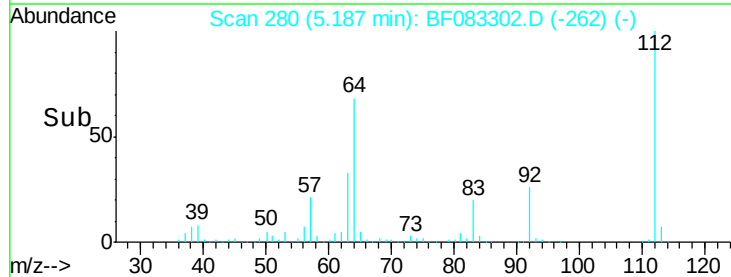
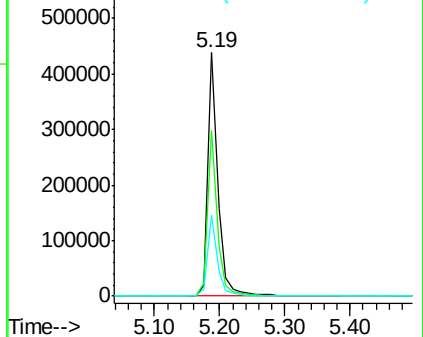
#5

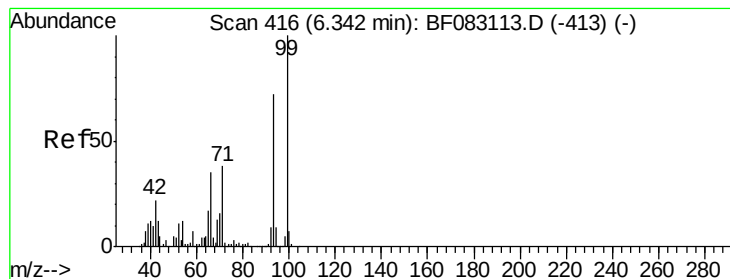
2-Fluorophenol  
 Concen: 51.27 ng  
 RT: 5.19 min Scan# 280  
 Delta R.T. -0.09 min  
 Lab File: BF083302.D  
 Acq: 26 Nov 2015 6:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.2  | 58.4  | 87.6  |
| 63      | 33.3  | 30.0  | 45.0  |



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: 32.29 ng

RT: 6.26 min Scan# 374

Delta R.T. -0.08 min

Lab File: BF083302.D

Acq: 26 Nov 2015 6:41

Instrument :

BNA\_F

ClientSampleId :

112115-A263-E-U-B

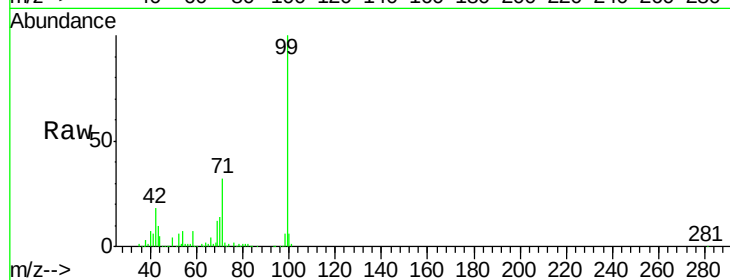
Tot Ion: 99 Resp: 384768

Ion Ratio Lower Upper

99 100

42 18.1 17.7 26.5

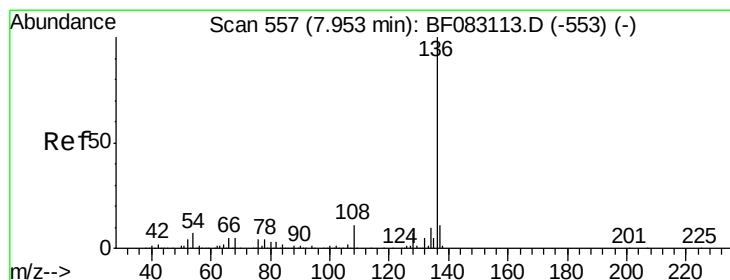
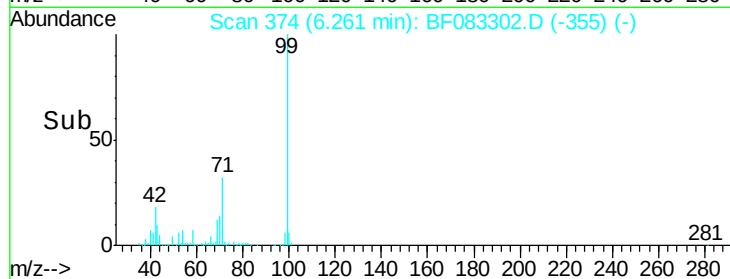
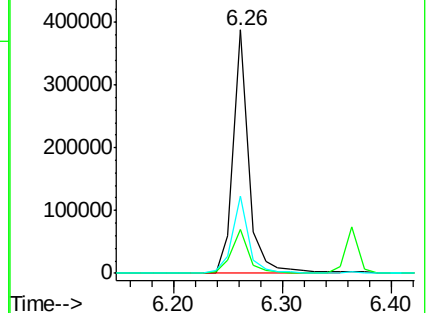
71 31.8 30.2 45.4



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: 7.88 min Scan# 516

Delta R.T. -0.07 min

Lab File: BF083302.D

Acq: 26 Nov 2015 6:41

Tgt Ion: 136 Resp: 471378

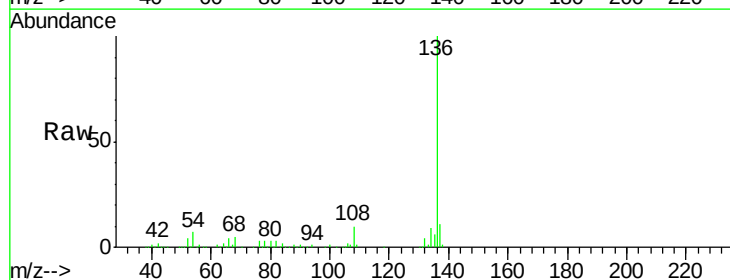
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 7.5 5.8 8.6

68 5.4 3.8 5.8

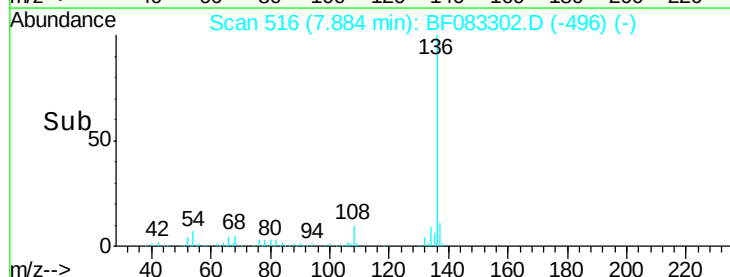
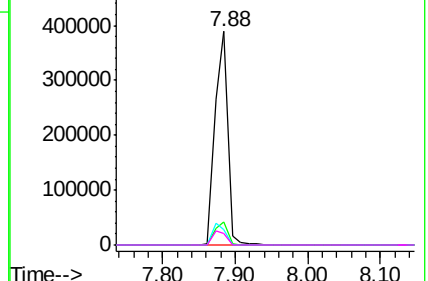


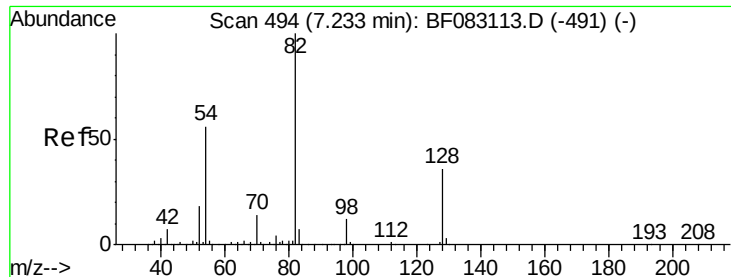
Abundance Ion 136.00 (135.70 to 136.70): E

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



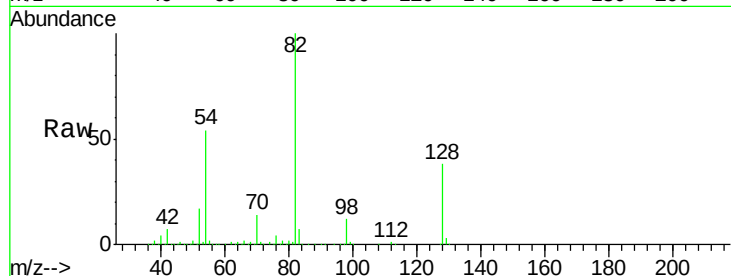


#23  
 Nitrobenzene-d5  
 Concen: 103.77 ng  
 RT: 7.16 min Scan# 453  
 Delta R.T. -0.07 min  
 Lab File: BF083302.D  
 Acq: 26 Nov 2015 6:41

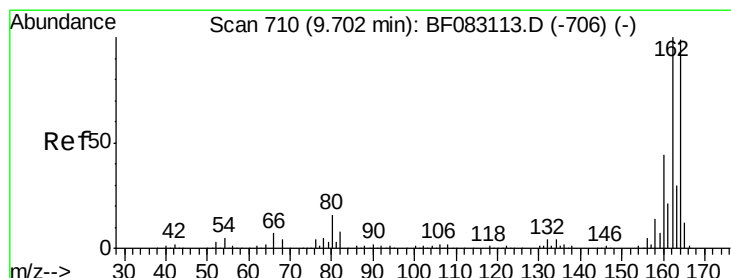
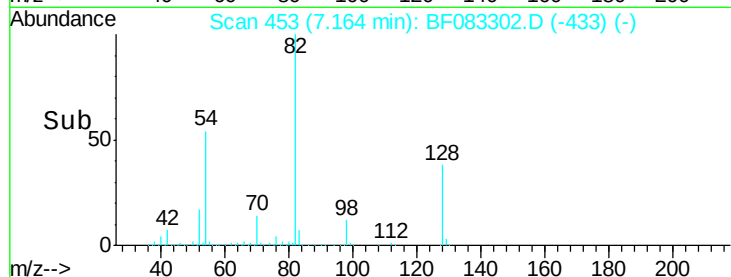
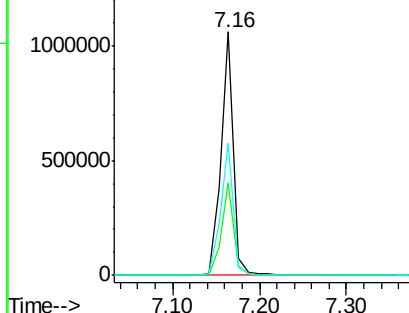
Instrument :  
 BNA\_F  
 ClientSampleId :  
 112115-A263-E-U-B

Tot Ion: 82 Resp: 1070439  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 38.1  | 28.5  | 42.7  |
| 54  | 54.2  | 44.6  | 67.0  |



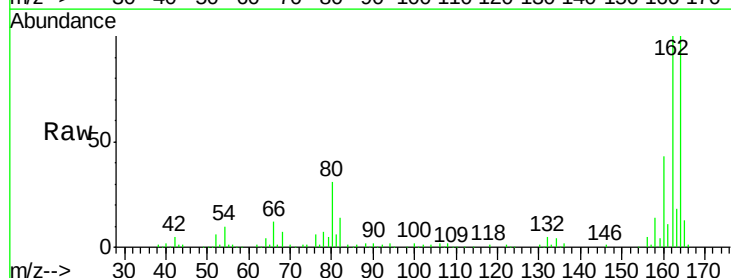
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0



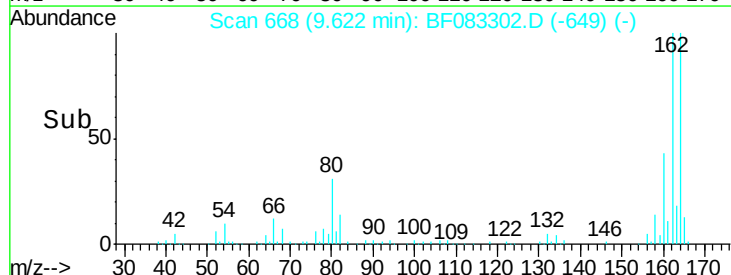
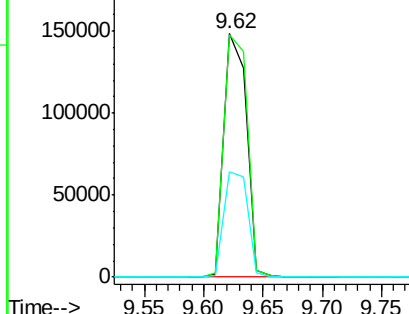
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.62 min Scan# 668  
 Delta R.T. -0.08 min  
 Lab File: BF083302.D  
 Acq: 26 Nov 2015 6:41

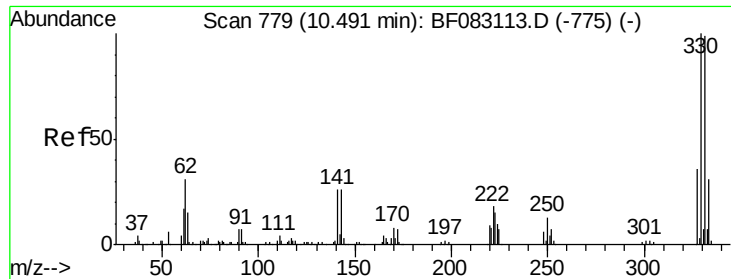
Tgt Ion: 164 Resp: 194822  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 99.7  | 81.2  | 121.8 |
| 160 | 43.3  | 35.6  | 53.4  |



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

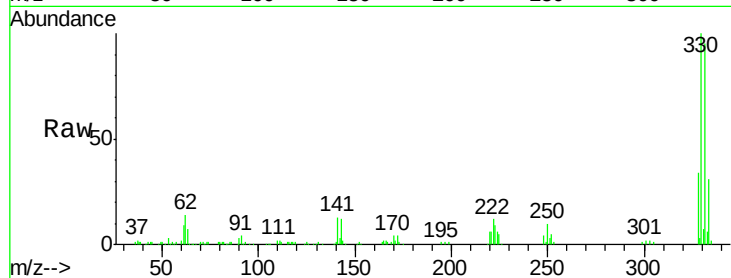




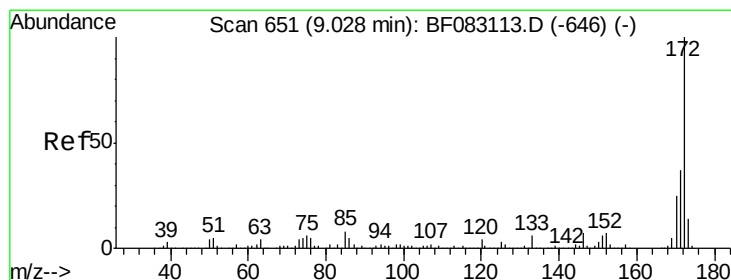
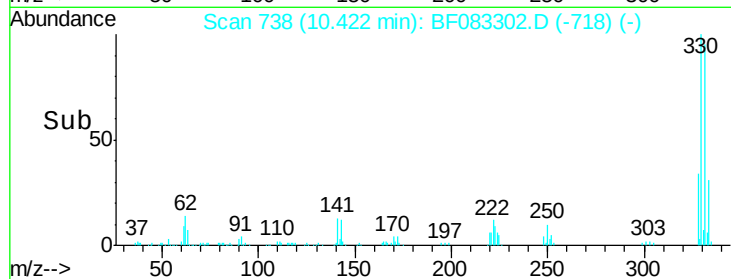
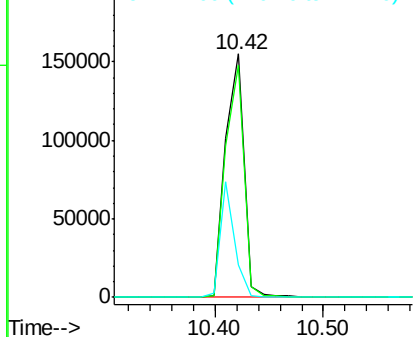
#41  
 2,4,6-Tribromophenol  
 Concen: 92.46 ng  
 RT: 10.42 min Scan# 738  
 Delta R.T. -0.07 min  
 Lab File: BF083302.D  
 Acq: 26 Nov 2015 6:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112115-A263-E-U-B

Tot Ion:330 Resp: 184292  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 77.7 116.5  
 141 37.2 29.7 44.5

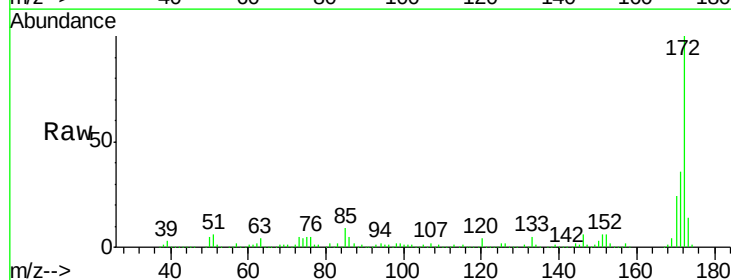


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

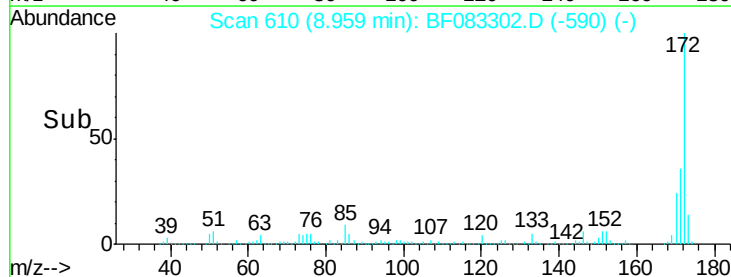
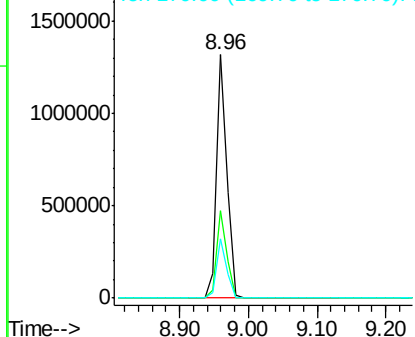


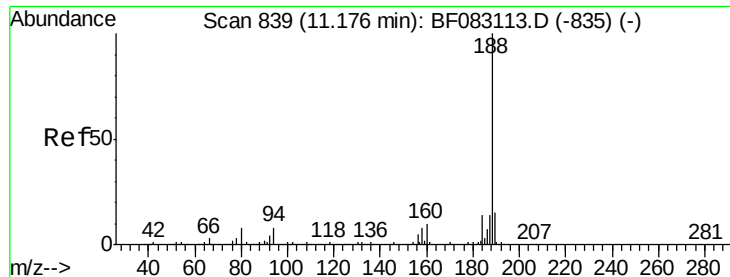
#44  
 2-Fluorobiphenyl  
 Concen: 100.65 ng  
 RT: 8.96 min Scan# 610  
 Delta R.T. -0.07 min  
 Lab File: BF083302.D  
 Acq: 26 Nov 2015 6:41

Tgt Ion:172 Resp: 1406174  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.5 44.3  
 170 24.2 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

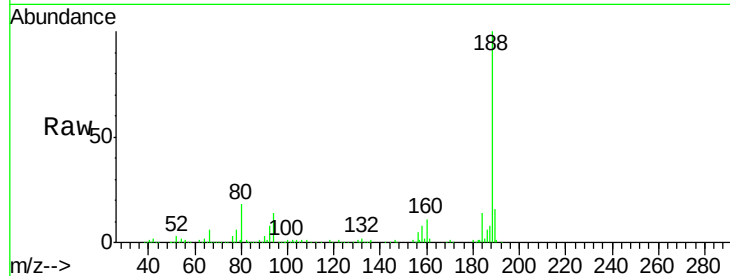




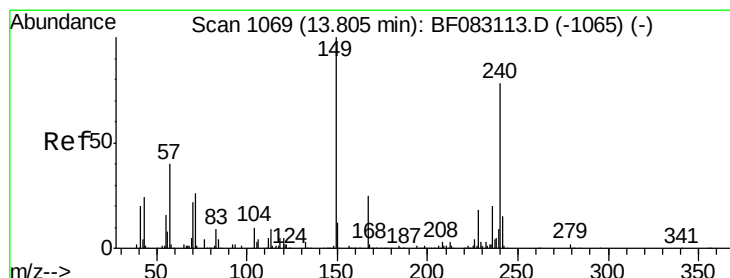
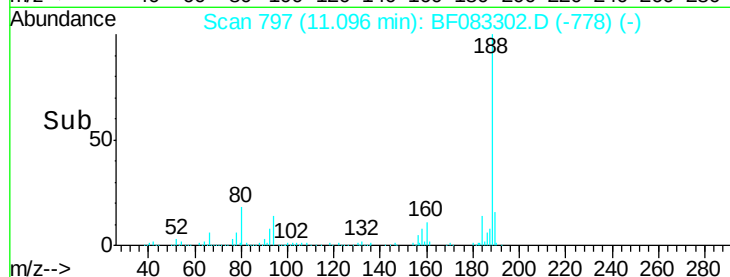
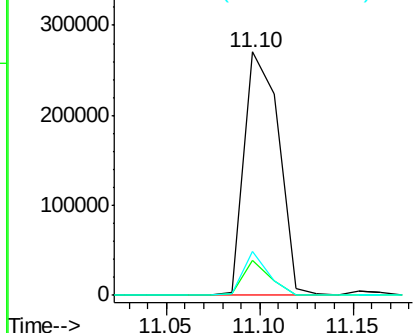
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.10 min Scan# 797  
Delta R.T. -0.08 min  
Lab File: BF083302.D  
Acq: 26 Nov 2015 6:41

Instrument :  
BNA\_F  
ClientSampleId :  
112115-A263-E-U-B

Tot Ion:188 Resp: 349221  
Ion Ratio Lower Upper  
188 100  
94 14.3 6.0 9.0#  
80 17.9 6.7 10.1#

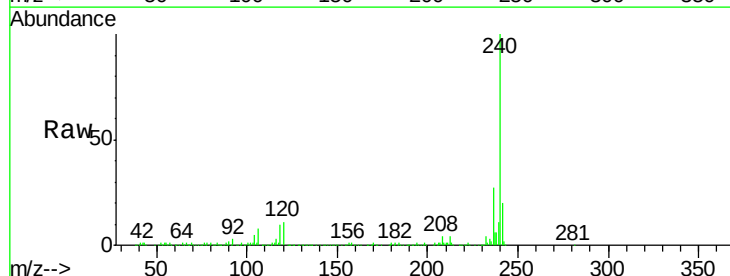


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

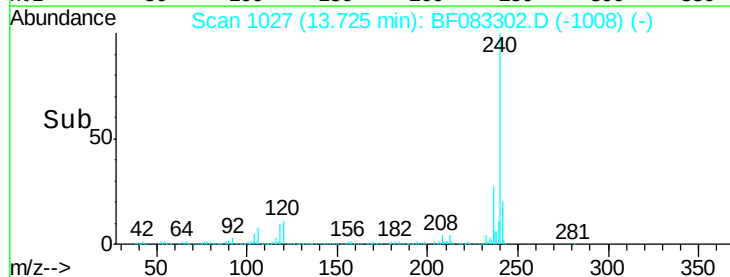
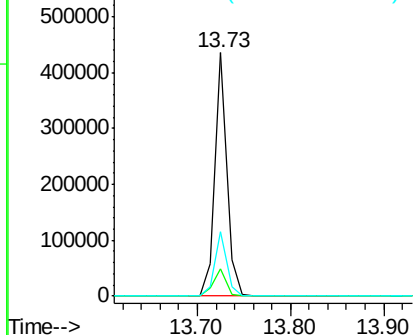


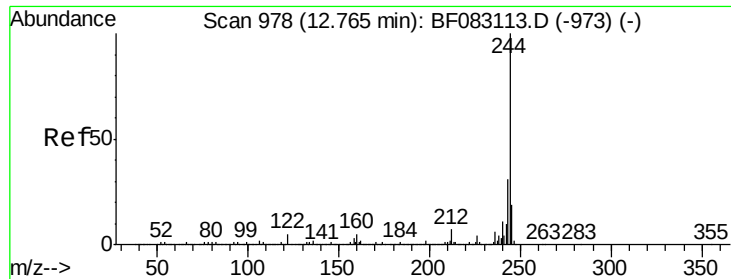
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.73 min Scan# 1027  
Delta R.T. -0.08 min  
Lab File: BF083302.D  
Acq: 26 Nov 2015 6:41

Tgt Ion:240 Resp: 389775  
Ion Ratio Lower Upper  
240 100  
120 11.1 5.4 8.2#  
236 26.5 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

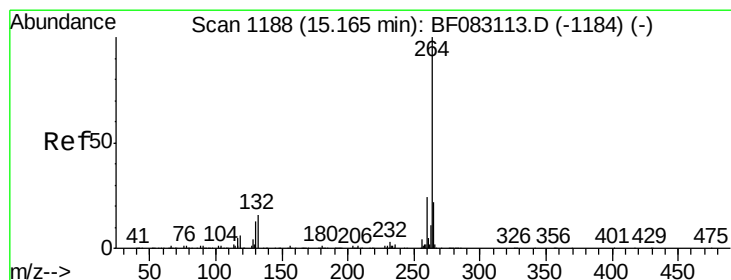
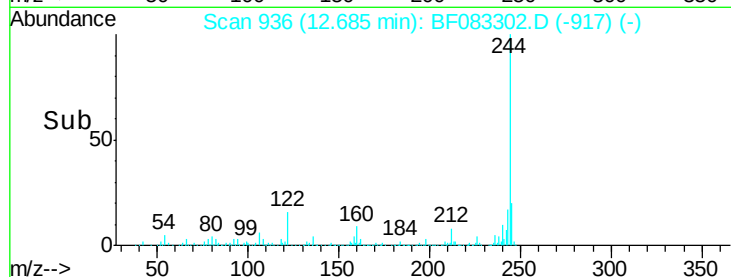
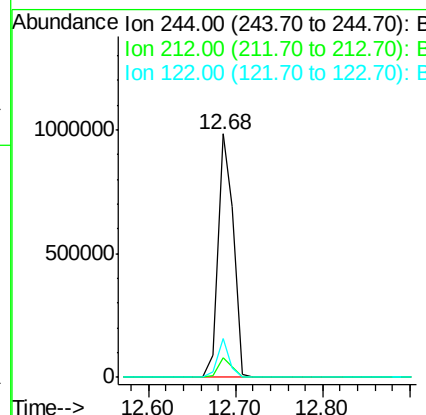
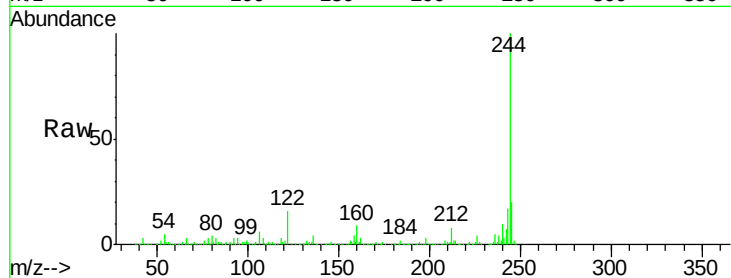




#78  
 Terphenyl-d14  
 Concen: 73.86 ng  
 RT: 12.68 min Scan# 936  
 Delta R.T. -0.08 min  
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Instrument :  
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Tot Ion:244 Resp: 1222575  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 5.4 8.2  
 122 15.7 4.3 6.5#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.07 min Scan# 1145  
 Delta R.T. -0.09 min  
 Lab File: BF083302.D  
 Acq: 26 Nov 2015 6:41

Tgt Ion:264 Resp: 280188  
 Ion Ratio Lower Upper  
 264 100  
 260 22.7 19.1 28.7  
 265 22.0 18.2 27.4

