

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012516\  
 Data File : BF084612.D  
 Acq On : 25 Jan 2016 17:31  
 Operator : SJ/IZ  
 Sample : H1201-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-05

Quant Time: Jan 26 09:30:39 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 25 16:24:07 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 157656   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.02  | 136  | 831169   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.77  | 164  | 395223   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.25 | 188  | 823651   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.88 | 240  | 692545   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.28 | 264  | 497547   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 669593   | 68.70  | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 591077   | 48.28  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 1667816  | 111.68 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 689806   | 172.88 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 2336352  | 105.52 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.84 | 244  | 2566203  | 82.71  | ng    | -0.01    |

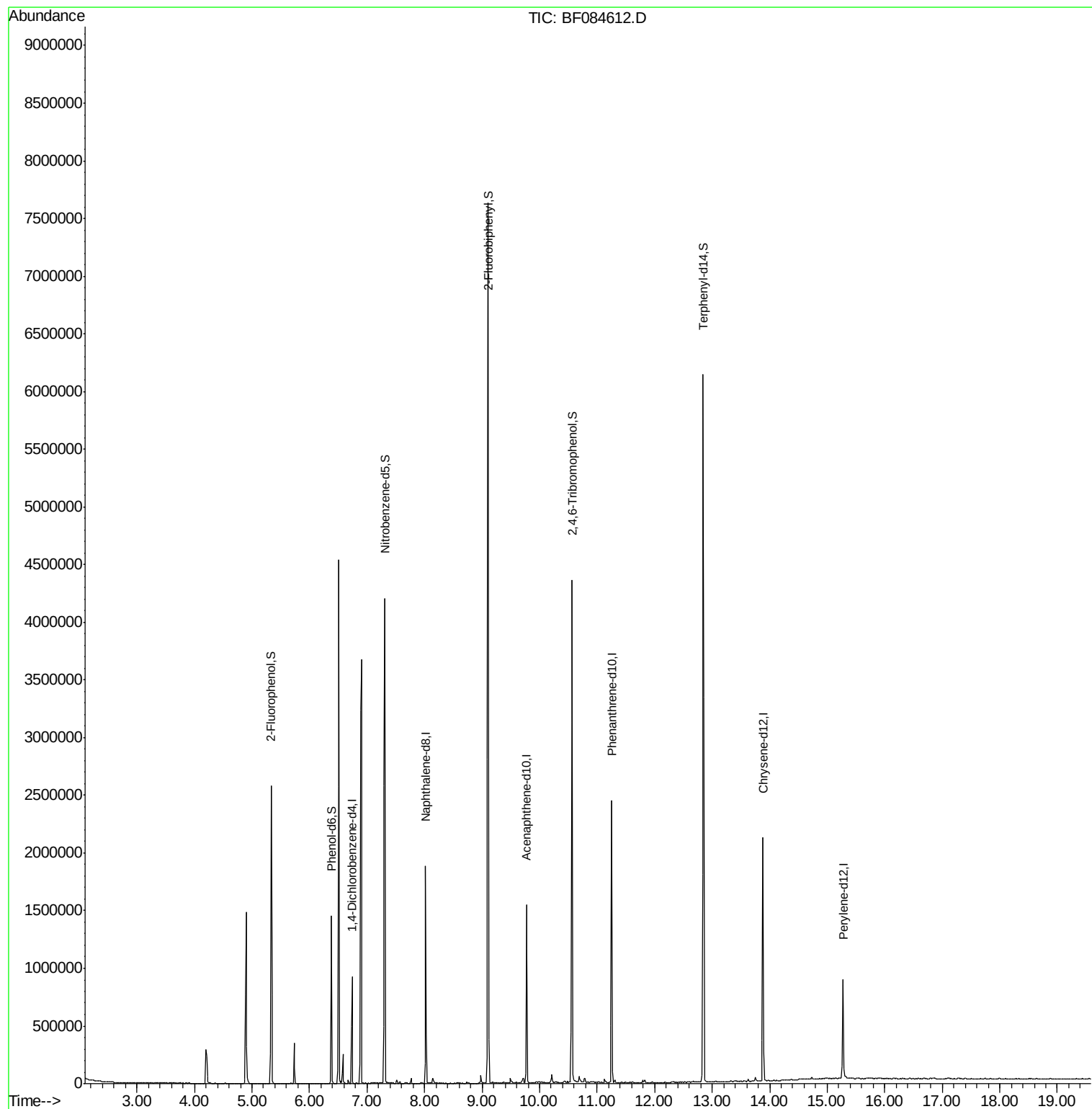
Target Compounds Qvalue

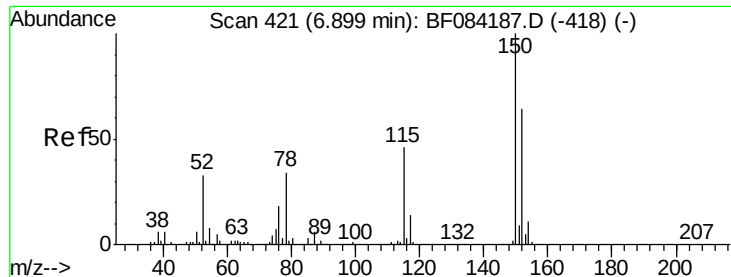
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 25 16:24:07 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF084612.D

Acq: 25 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

MW-05

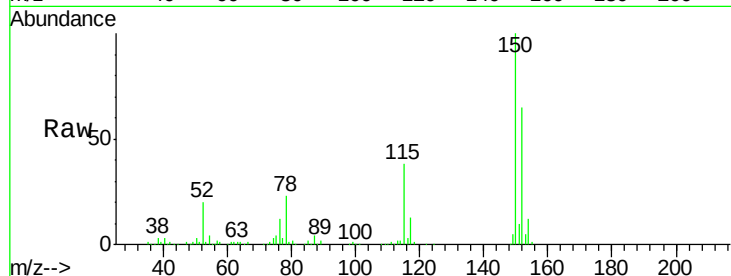
Tot Ion:152 Resp: 157656

Ion Ratio Lower Upper

152 100

150 152.9 123.0 184.4

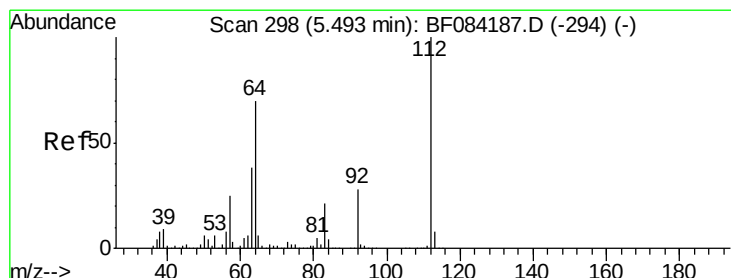
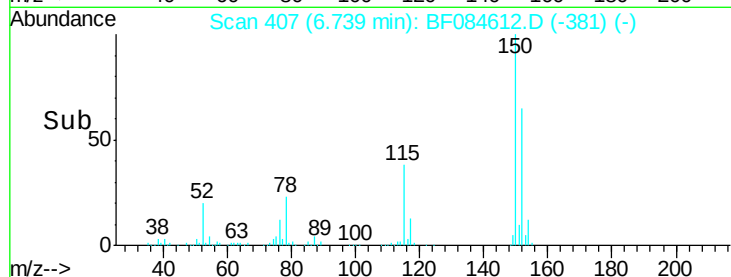
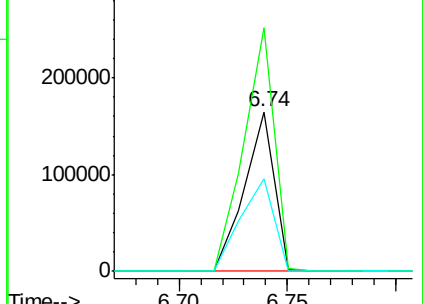
115 58.5 51.4 77.2



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: 68.70 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: BF084612.D

Acq: 25 Jan 2016 17:31

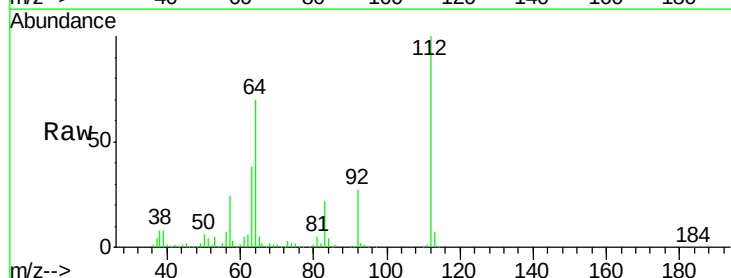
Tgt Ion:112 Resp: 669593

Ion Ratio Lower Upper

112 100

64 69.9 36.6 55.0#

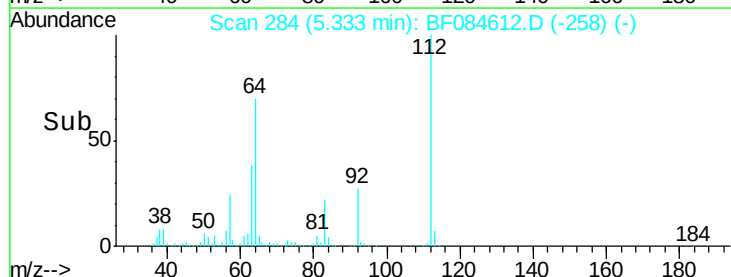
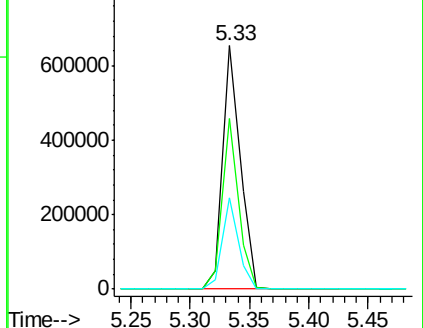
63 37.6 19.4 29.0#

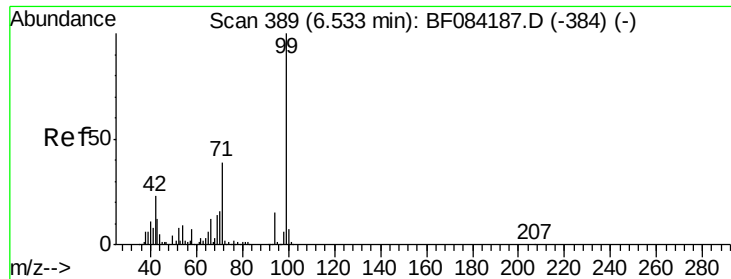


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 48.28 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF084612.D

Acq: 25 Jan 2016 17:31

Instrument :

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ClientSampleId :

MW-05

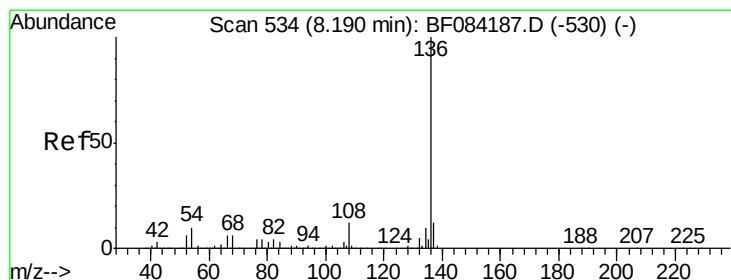
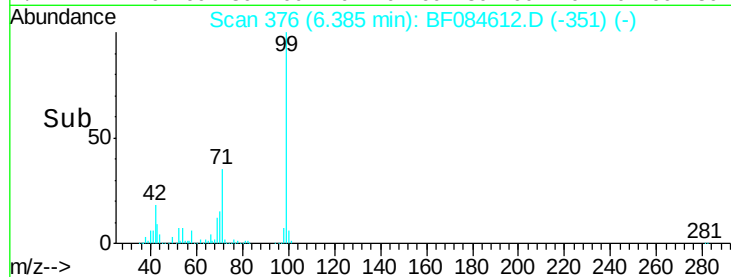
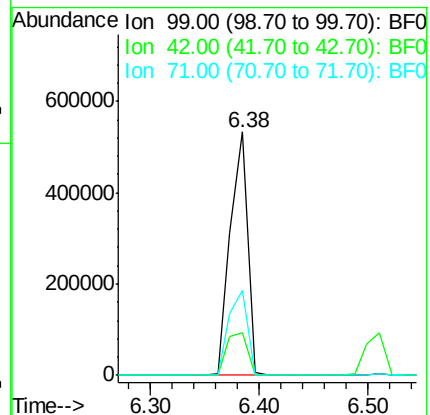
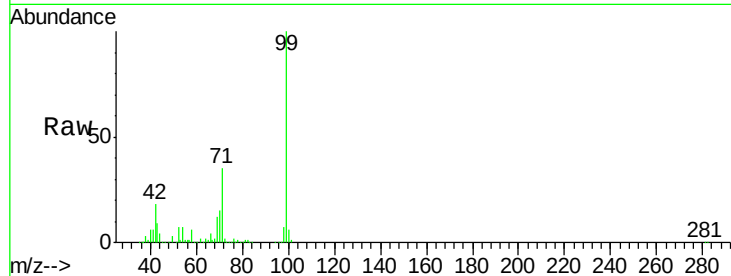
Tot Ion: 99 Resp: 591077

Ion Ratio Lower Upper

99 100

42 17.7 12.8 19.2

71 34.8 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF084612.D

Acq: 25 Jan 2016 17:31

Tgt Ion: 136 Resp: 831169

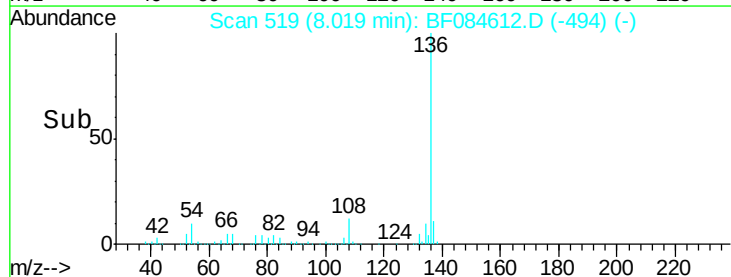
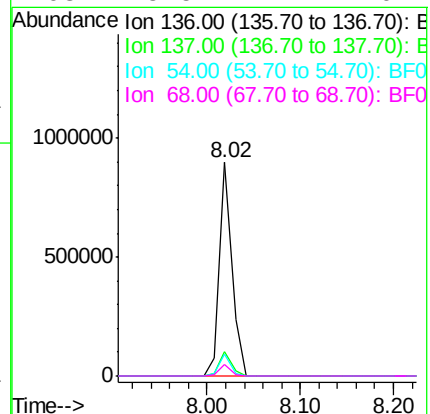
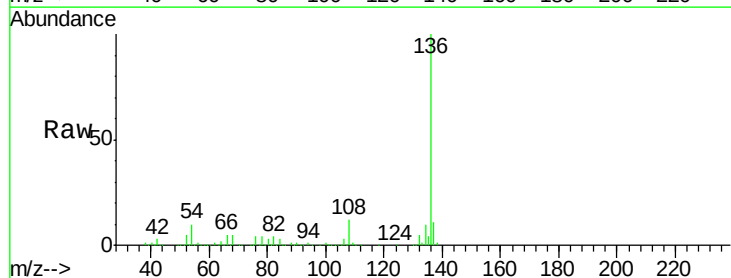
Ion Ratio Lower Upper

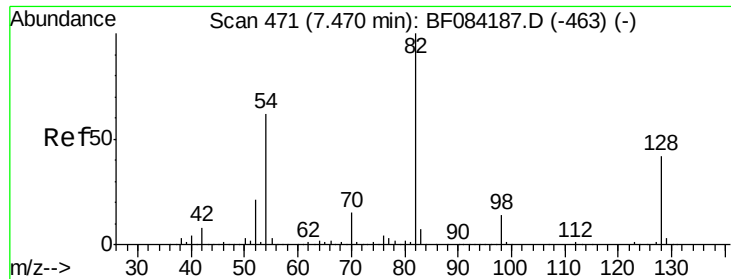
136 100

137 11.3 8.7 13.1

54 10.0 5.8 8.8#

68 5.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 111.68 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF084612.D

Acq: 25 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

MW-05

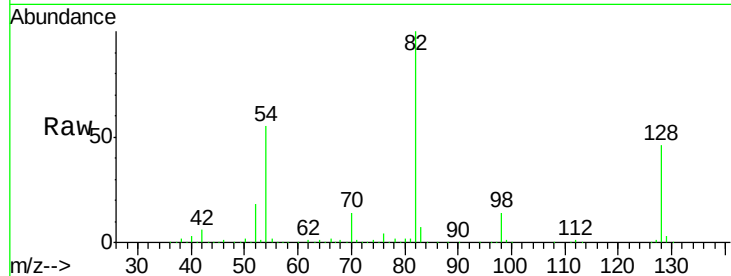
Tot Ion: 82 Resp: 1667816

Ion Ratio Lower Upper

82 100

128 46.4 34.6 51.8

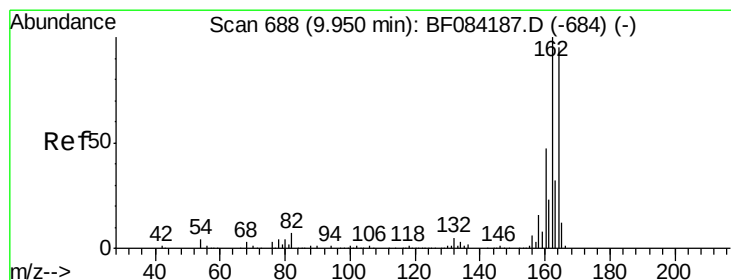
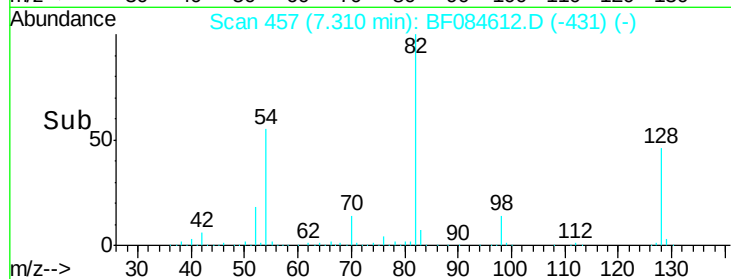
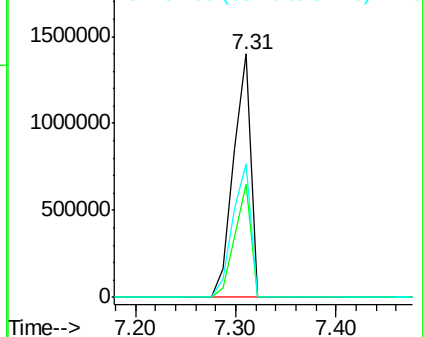
54 55.0 38.4 57.6



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: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF084612.D

Acq: 25 Jan 2016 17:31

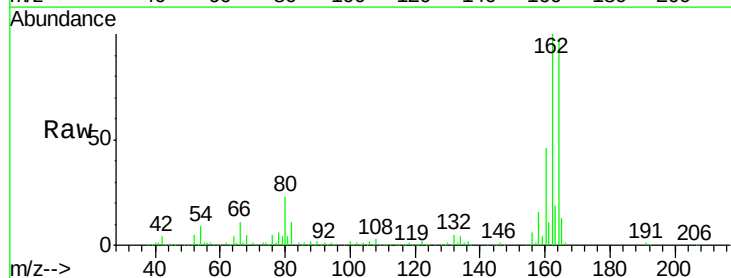
Tgt Ion:164 Resp: 395223

Ion Ratio Lower Upper

164 100

162 103.1 85.1 127.7

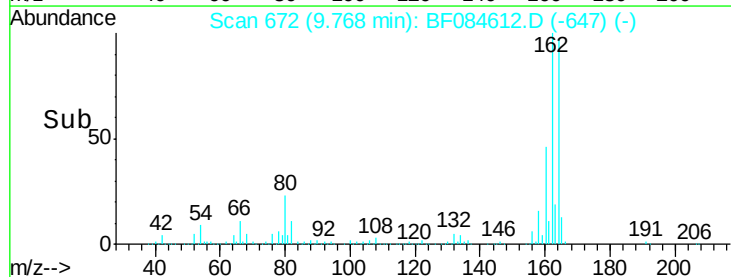
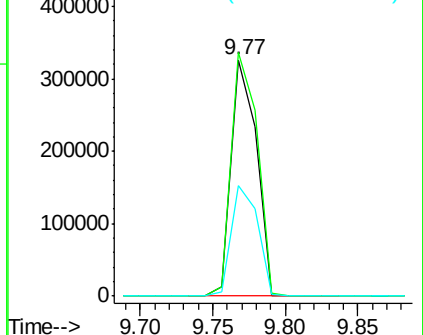
160 46.9 37.5 56.3

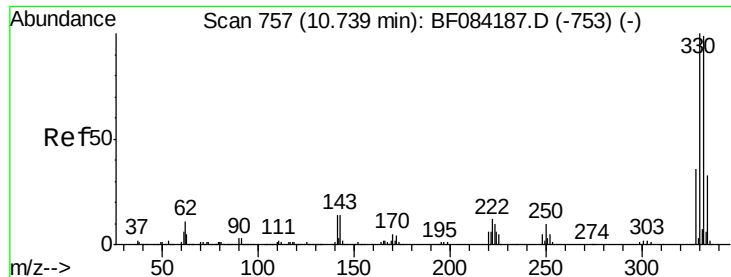


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

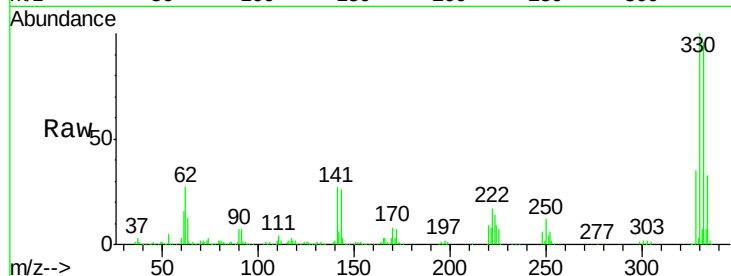




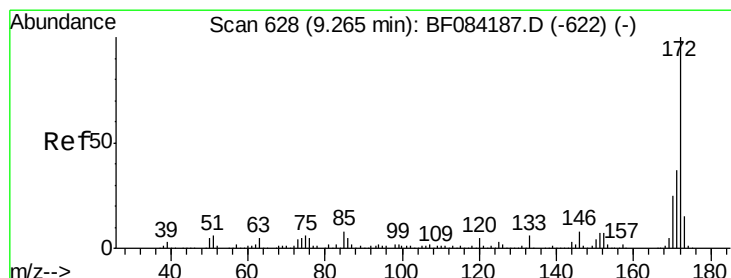
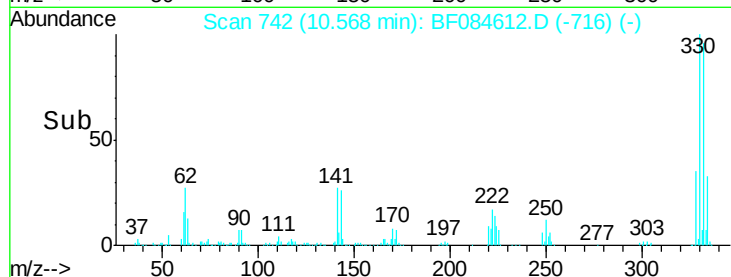
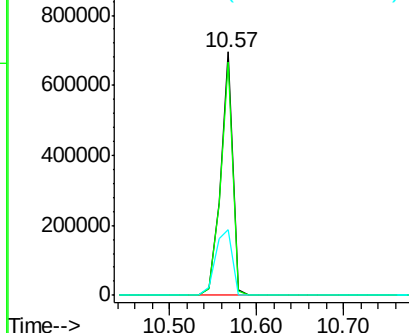
#41  
 2,4,6-Tribromophenol  
 Concen: 172.88 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. 0.00 min  
 Lab File: BF084612.D  
 Acq: 25 Jan 2016 17:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-05

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 76.6  | 114.8 |
| 141     | 37.5  | 27.8  | 41.6  |

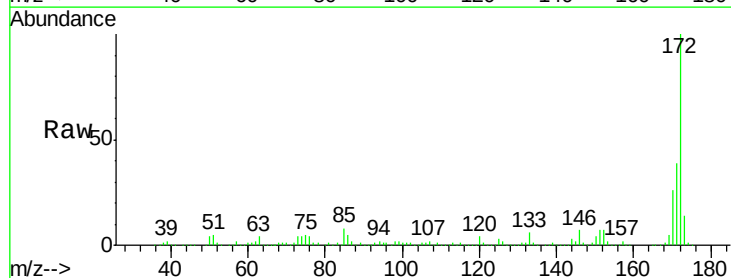


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

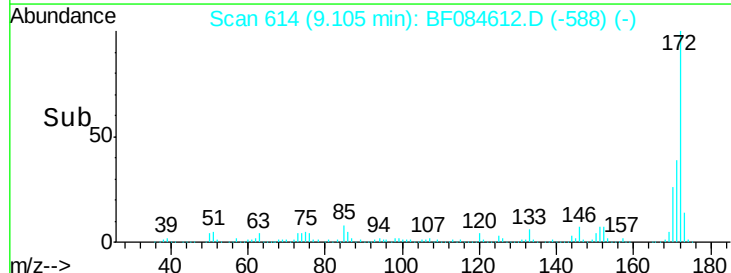
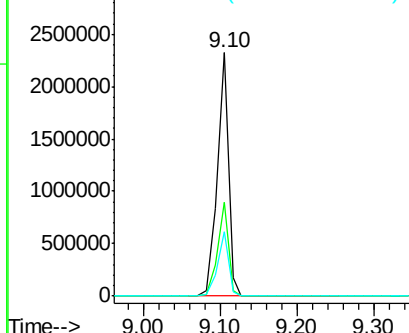


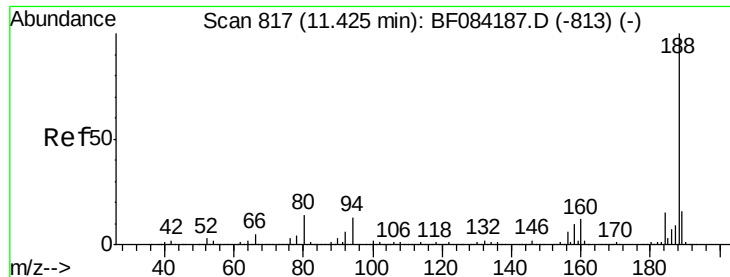
#44  
 2-Fluorobiphenyl  
 Concen: 105.52 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. 0.00 min  
 Lab File: BF084612.D  
 Acq: 25 Jan 2016 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.7  | 28.9  | 43.3  |
| 170     | 26.5  | 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

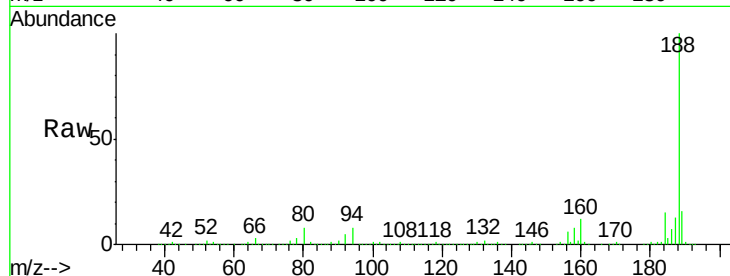




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.25 min Scan# 802  
Delta R.T. -0.01 min  
Lab File: BF084612.D  
Acq: 25 Jan 2016 17:31

Instrument :  
BNA\_F  
ClientSampled :  
MW-05

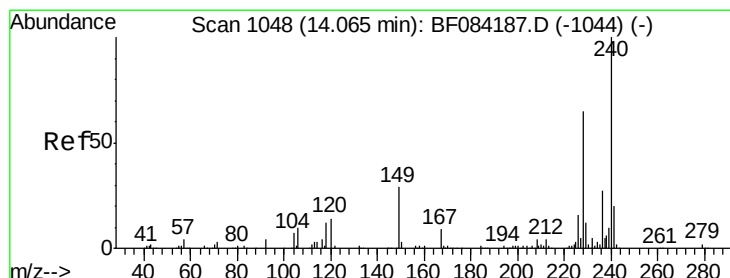
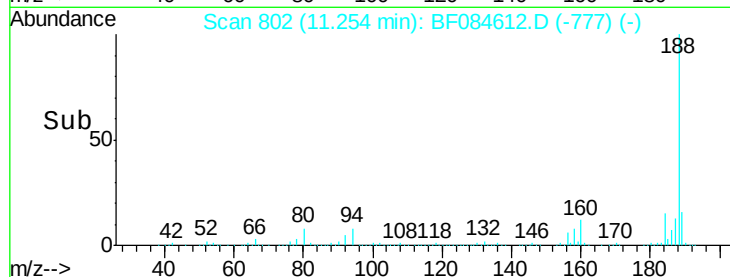
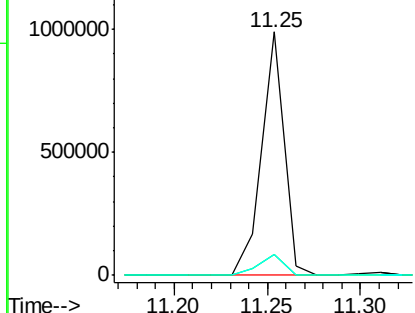
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.4   | 9.0   | 13.4# |
| 80      | 8.4   | 9.6   | 14.4# |



Abundance Ion 188.00 (187.70 to 188.70): E

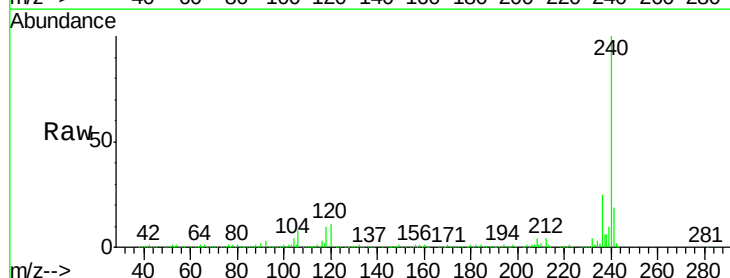
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.88 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BF084612.D  
Acq: 25 Jan 2016 17:31

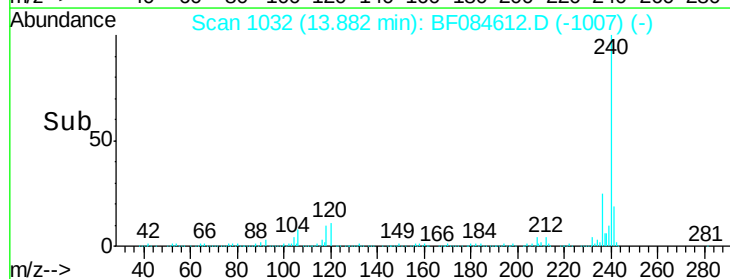
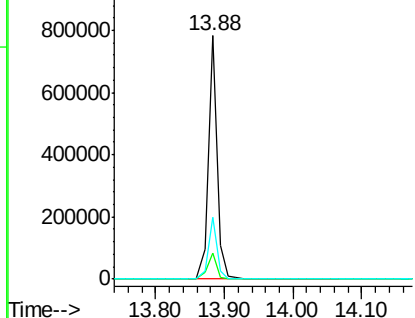
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.7  | 9.5   | 14.3  |
| 236     | 25.3  | 20.6  | 31.0  |

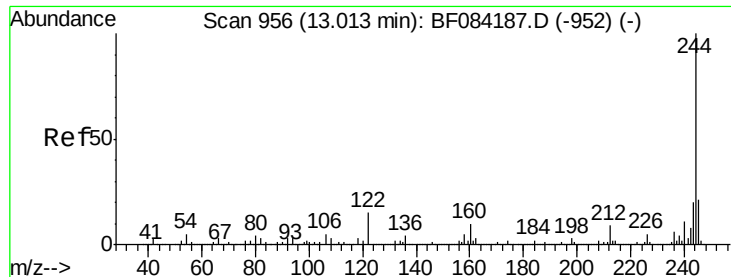


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



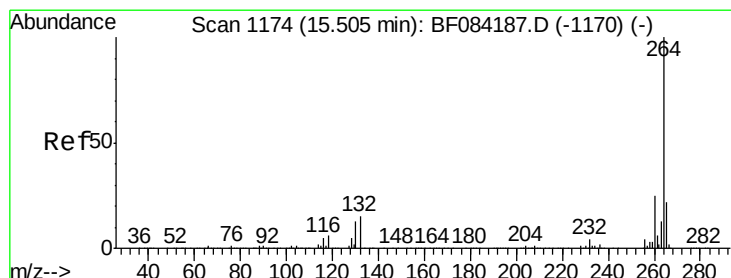
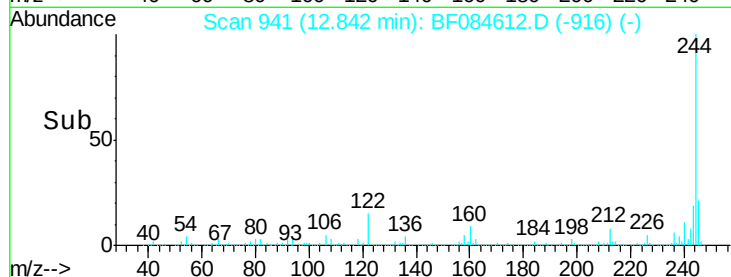
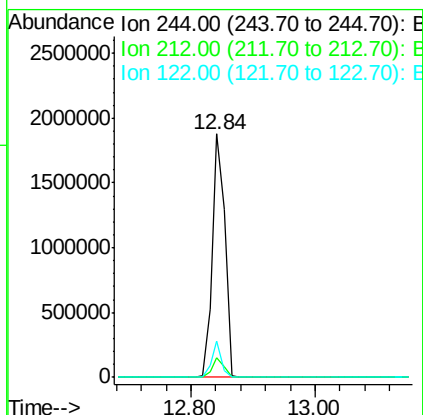
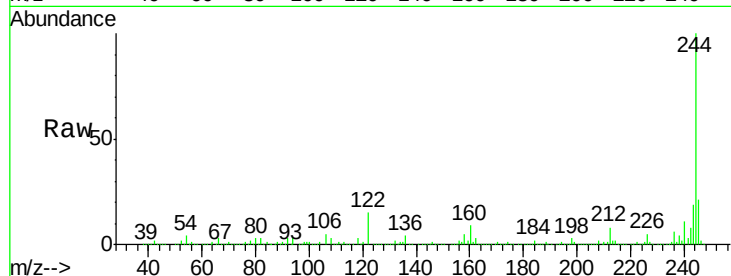


#78  
 Terphenyl-d14  
 Concen: 82.71 ng  
 RT: 12.84 min Scan# 941  
 Delta R.T. -0.01 min  
 Lab File: BF084612.D  
 Acq: 25 Jan 2016 17:31

Instrument :  
 BNA\_F  
 ClientSampleID :  
 MW-05

Tot Ion:244 Resp: 2566203  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.9   | 5.7   | 8.5   |
| 122 | 14.8  | 7.4   | 11.0  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.28 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: BF084612.D  
 Acq: 25 Jan 2016 17:31

Tgt Ion:264 Resp: 497547  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 19.4  | 29.2  |
| 265 | 21.5  | 17.8  | 26.6  |

