

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031015\  
 Data File : BF077669.D  
 Acq On : 10 Mar 2015 19:06  
 Operator : TP/IZ  
 Sample : G1454-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-081-3615

Quant Time: Mar 11 01:15:24 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 11 00:54:19 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.18  | 152  | 52228    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.76  | 136  | 189292   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.93 | 164  | 93952    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.76 | 188  | 182650   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.05 | 240  | 193159   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 17.79 | 264  | 194236   | 20.00  | ng    | -0.11    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 189170   | 60.47  | ng    | 0.00     |
| 7) Phenol-d6                | 6.75  | 99   | 141838   | 35.26  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.88  | 82   | 282070   | 92.66  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.91 | 330  | 129745   | 143.42 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.11 | 172  | 626661   | 104.00 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.76 | 244  | 775986   | 93.92  | ng    | 0.00     |

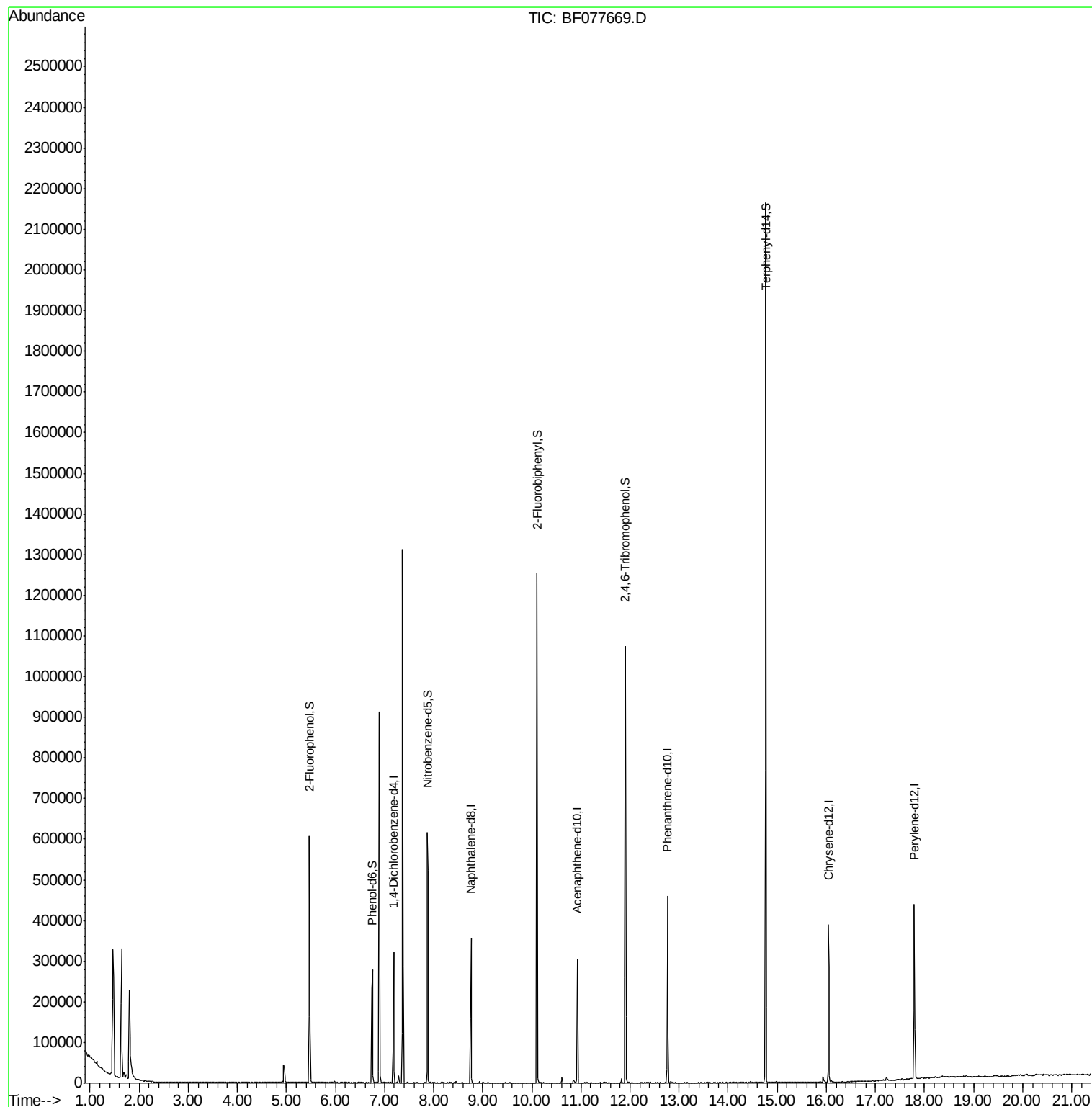
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

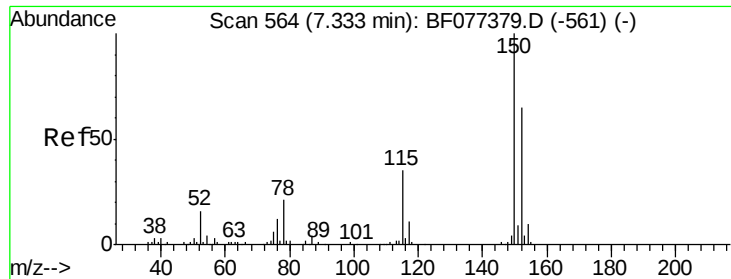
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
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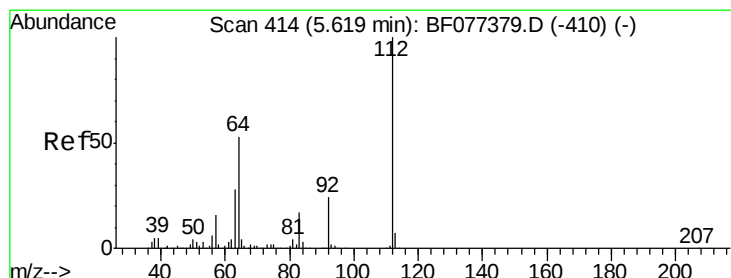
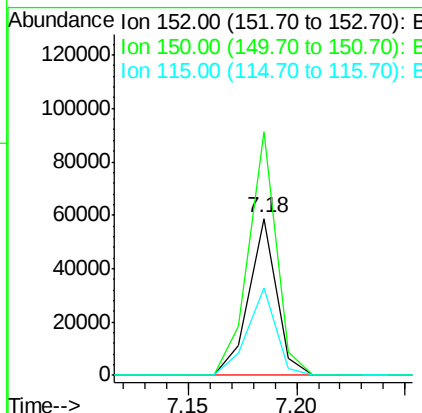
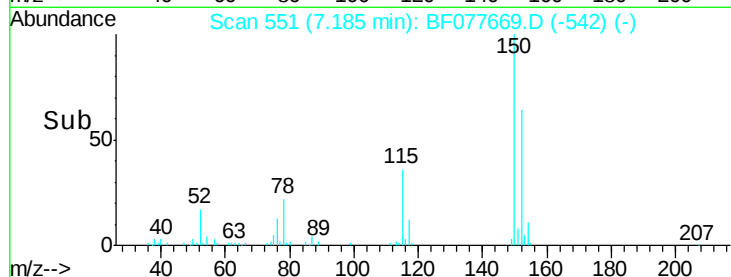
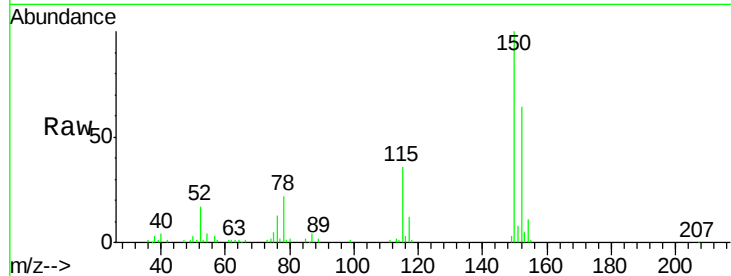


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.18 min Scan# 551  
Delta R.T. -0.00 min  
Lab File: BF077669.D  
Acq: 10 Mar 2015 19:06

Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-081-3615

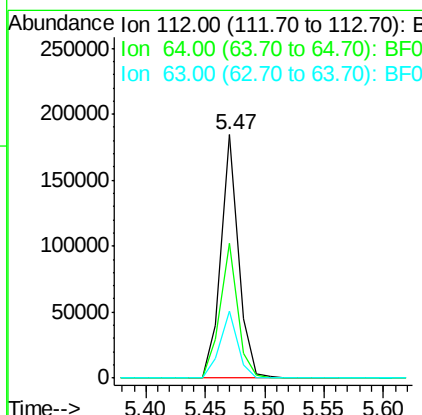
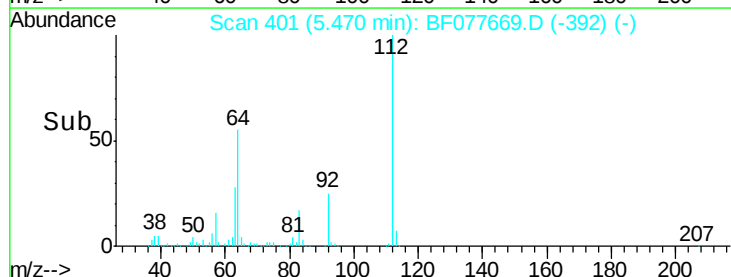
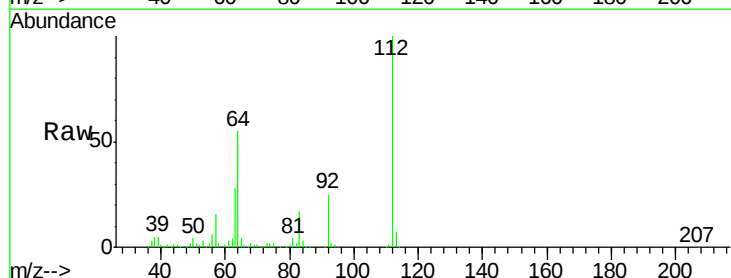
Tot Ion:152 Resp: 52228  
Ion Ratio Lower Upper  
152 100  
150 155.5 124.0 186.0  
115 56.3 49.4 74.2

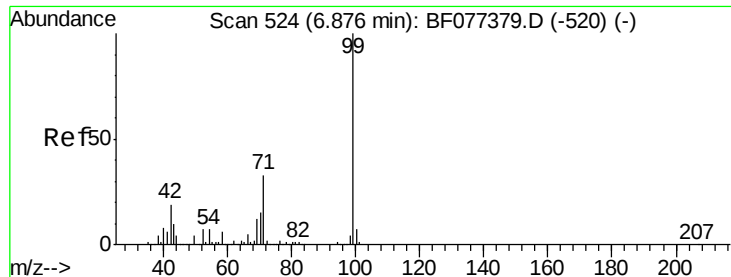


#5

2-Fluorophenol  
Concen: 60.47 ng  
RT: 5.47 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BF077669.D  
Acq: 10 Mar 2015 19:06

Tgt Ion:112 Resp: 189170  
Ion Ratio Lower Upper  
112 100  
64 55.3 48.5 72.7  
63 27.6 25.0 37.4





#7

Phenol-d6

Concen: 35.26 ng

RT: 6.75 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF077669.D

Acq: 10 Mar 2015 19:06

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-081-3615

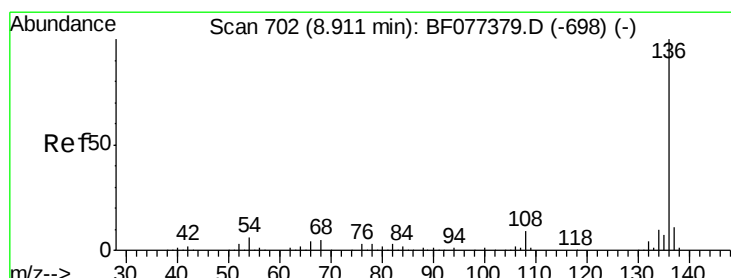
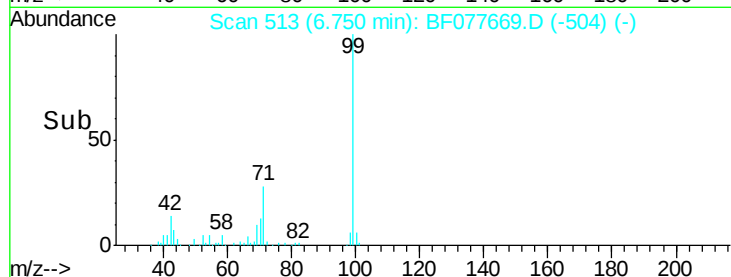
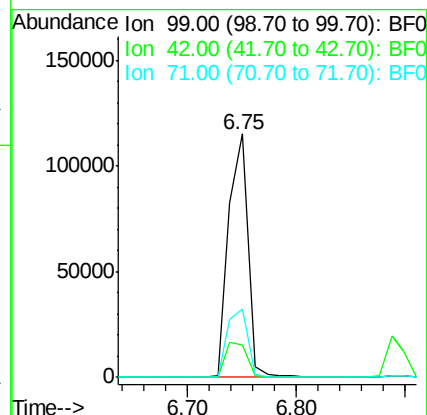
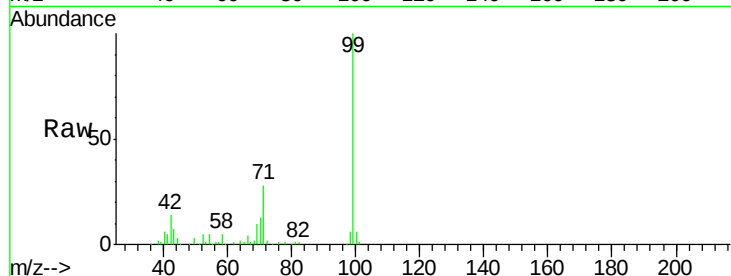
Tot Ion: 99 Resp: 141838

Ion Ratio Lower Upper

99 100

42 13.5 16.2 24.4#

71 27.8 26.7 40.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF077669.D

Acq: 10 Mar 2015 19:06

Tgt Ion: 136 Resp: 189292

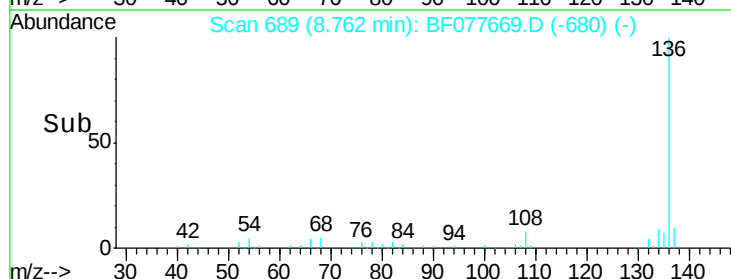
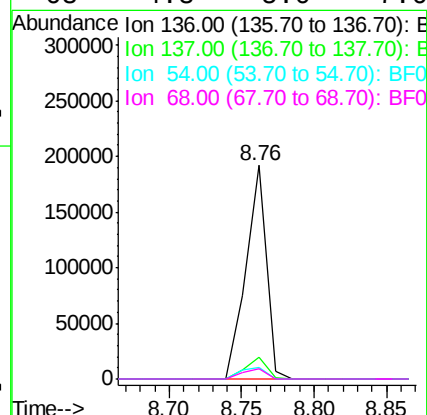
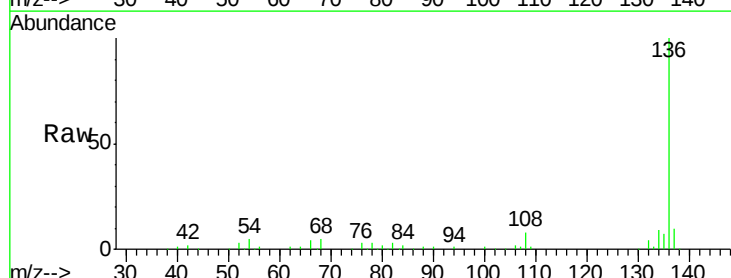
Ion Ratio Lower Upper

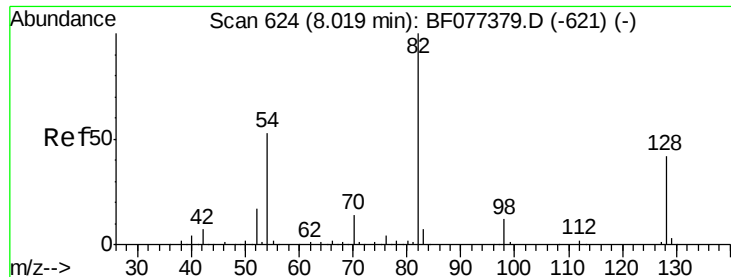
136 100

137 10.5 8.6 13.0

54 5.5 6.2 9.4#

68 4.8 5.0 7.6#





#23

Nitrobenzene-d5

Concen: 92.66 ng

RT: 7.88 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF077669.D

Acq: 10 Mar 2015 19:06

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-081-3615

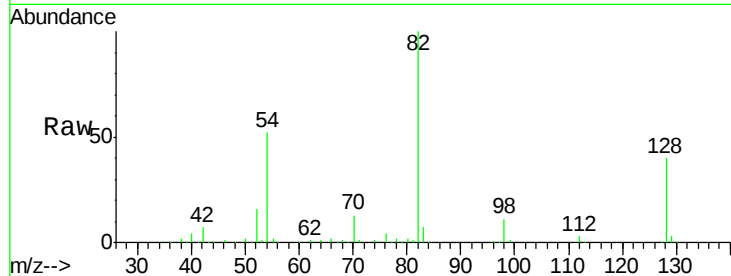
Tot Ion: 82 Resp: 282070

Ion Ratio Lower Upper

82 100

128 39.9 43.8 65.8#

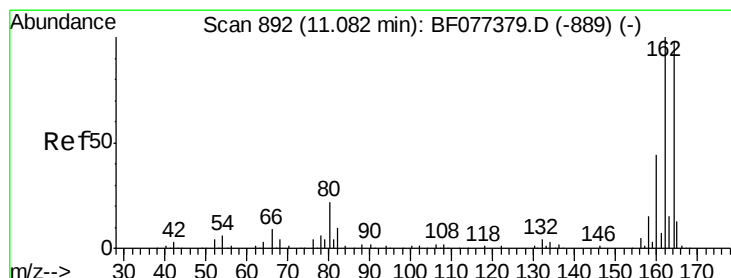
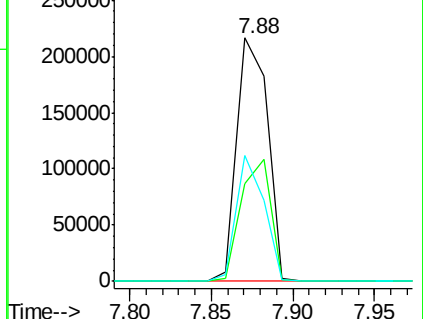
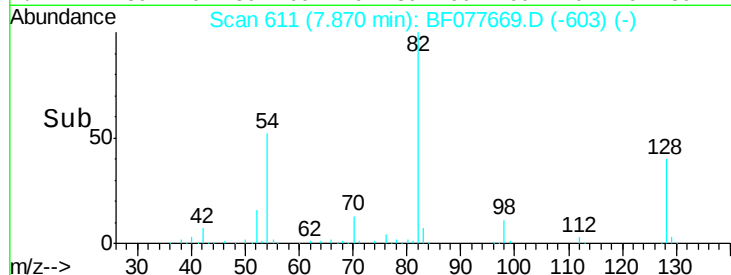
54 51.7 36.7 55.1



Abundance Ion 82.00 (81.70 to 82.70): BF077379.D (-621) (-)

Ion 128.00 (127.70 to 128.70): BF077379.D (-621) (-)

Ion 54.00 (53.70 to 54.70): BF077379.D (-621) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.93 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF077669.D

Acq: 10 Mar 2015 19:06

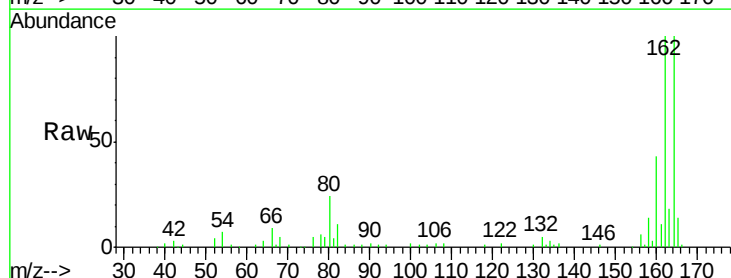
Tgt Ion: 164 Resp: 93952

Ion Ratio Lower Upper

164 100

162 100.1 83.2 124.8

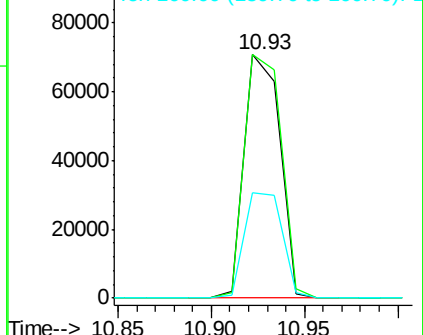
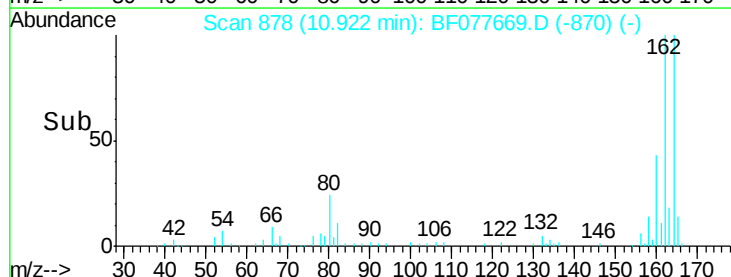
160 43.4 34.6 52.0

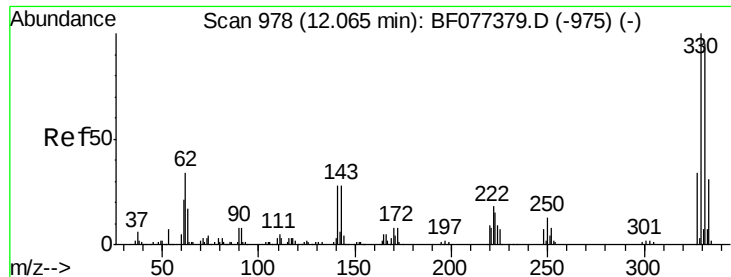


Abundance Ion 164.00 (163.70 to 164.70): BF077379.D (-889) (-)

Ion 162.00 (161.70 to 162.70): BF077379.D (-889) (-)

Ion 160.00 (159.70 to 160.70): BF077379.D (-889) (-)

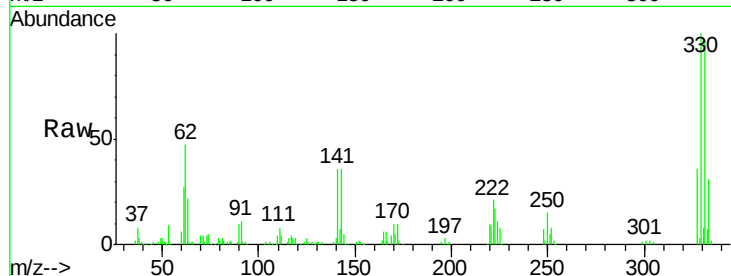




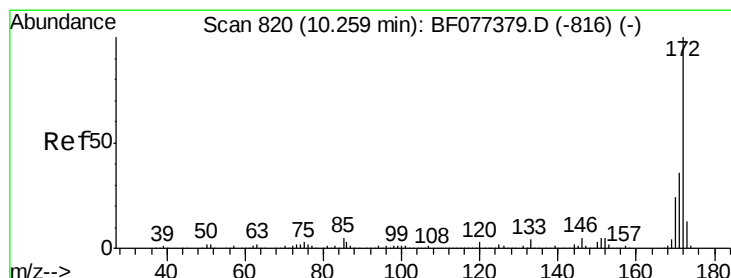
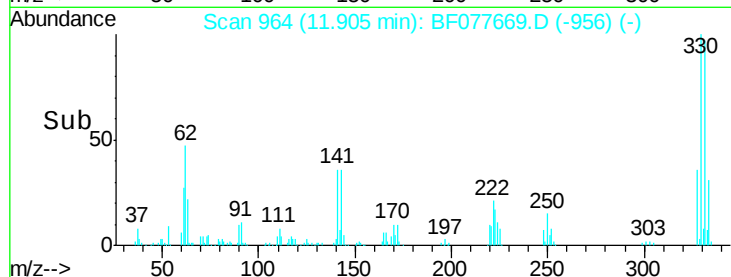
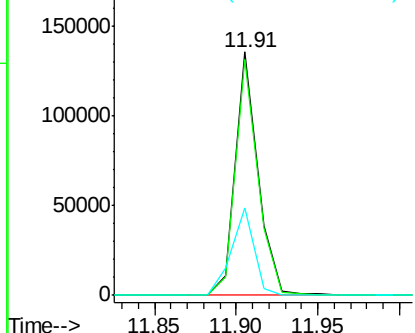
#41  
 2,4,6-Tribromophenol  
 Concen: 143.42 ng  
 RT: 11.91 min Scan# 964  
 Delta R.T. -0.01 min  
 Lab File: BF077669.D  
 Acq: 10 Mar 2015 19:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-081-3615

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.4  | 116.2 |
| 141     | 35.7  | 28.8  | 43.2  |

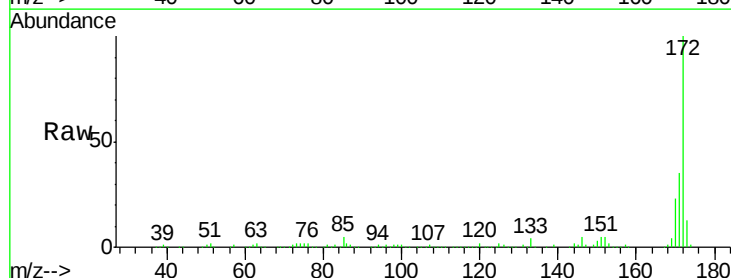


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

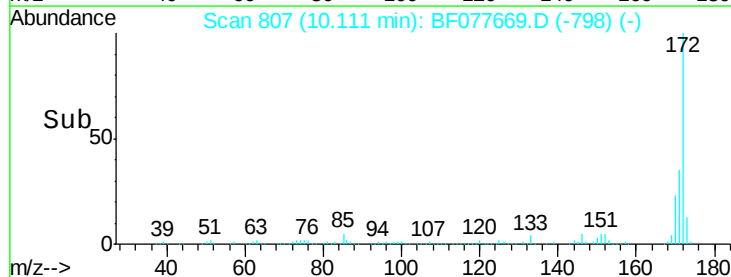
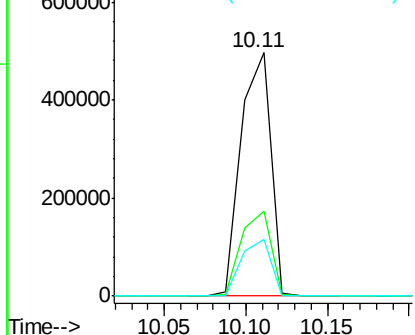


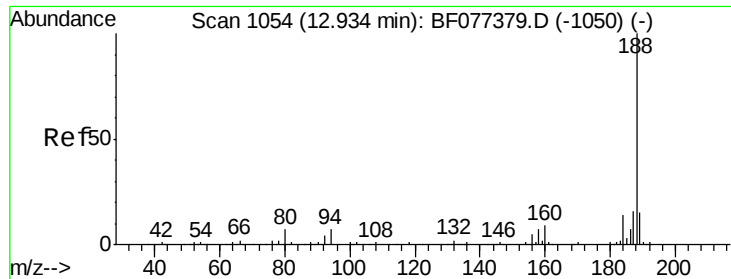
#44  
 2-Fluorobiphenyl  
 Concen: 104.00 ng  
 RT: 10.11 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: BF077669.D  
 Acq: 10 Mar 2015 19:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 28.9  | 43.3  |
| 170     | 23.1  | 19.4  | 29.2  |



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

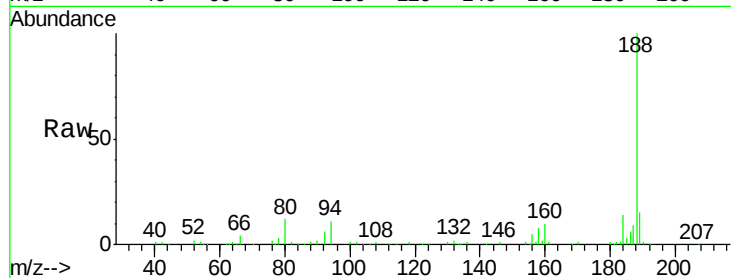




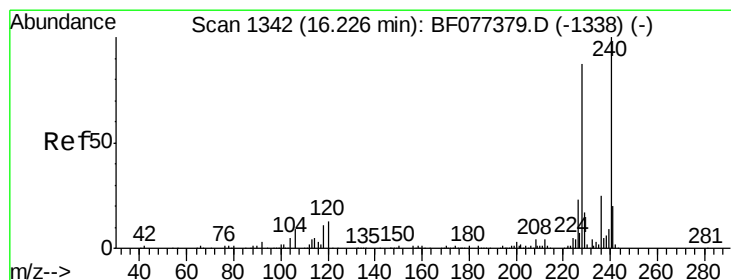
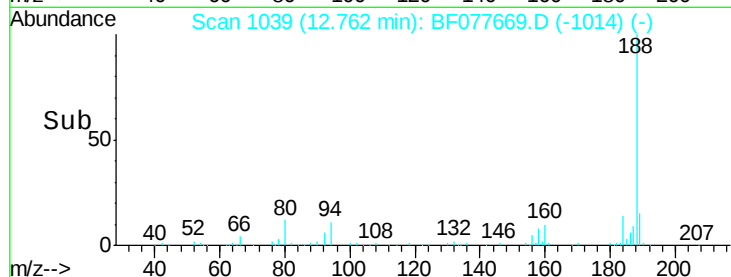
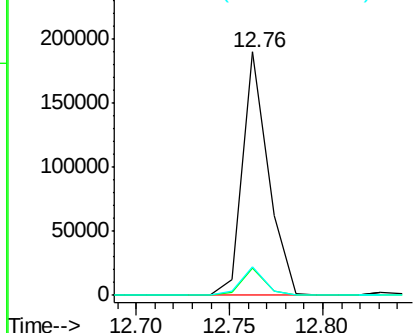
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.76 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BF077669.D  
Acq: 10 Mar 2015 19:06

Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-081-3615

Tot Ion:188 Resp: 182650  
Ion Ratio Lower Upper  
188 100  
94 11.3 7.4 11.2#  
80 12.0 8.0 12.0

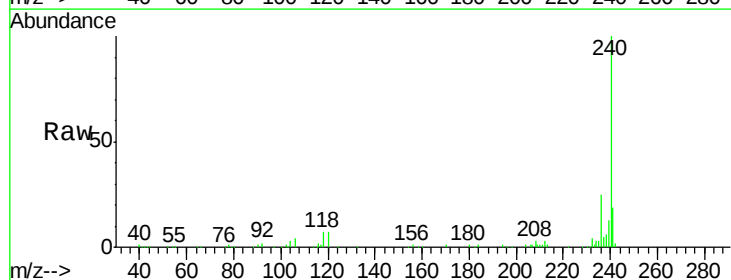


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

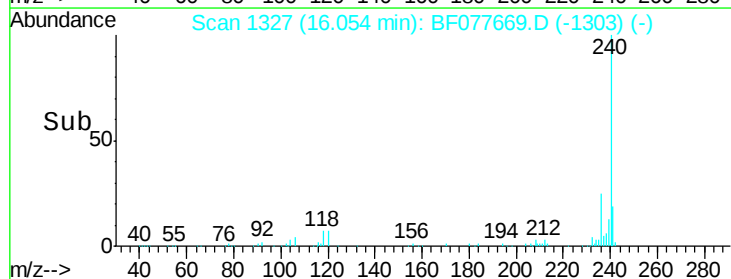
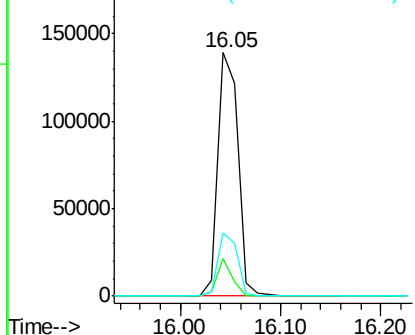


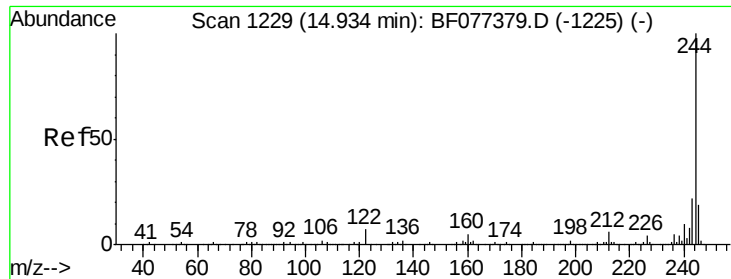
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.05 min Scan# 1327  
Delta R.T. -0.03 min  
Lab File: BF077669.D  
Acq: 10 Mar 2015 19:06

Tgt Ion:240 Resp: 193159  
Ion Ratio Lower Upper  
240 100  
120 6.8 8.8 13.2#  
236 24.6 20.7 31.1



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

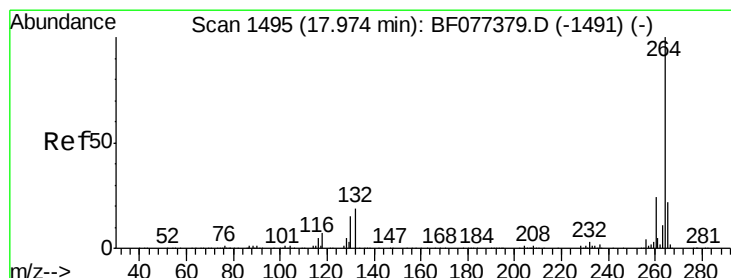
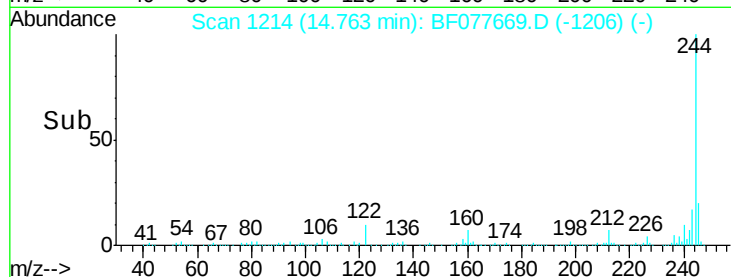
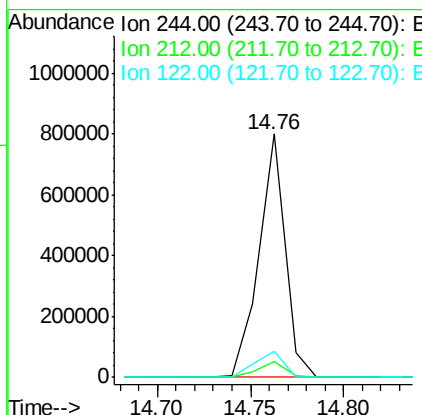
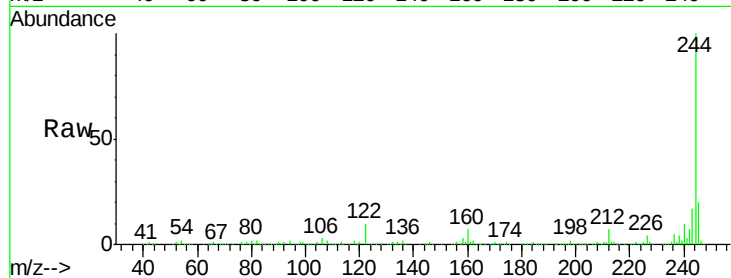




#78  
 Terphenyl-d14  
 Concen: 93.92 ng  
 RT: 14.76 min Scan# 1214  
 Delta R.T. -0.01 min  
 Lab File: BF077669.D  
 Acq: 10 Mar 2015 19:06

Instrument :  
 BNA\_F  
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 DCW-WW-081-3615

Tot Ion:244 Resp: 775986  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.2 7.8  
 122 10.5 7.8 11.8



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.79 min Scan# 1479  
 Delta R.T. -0.11 min  
 Lab File: BF077669.D  
 Acq: 10 Mar 2015 19:06

Tgt Ion:264 Resp: 194236  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.3 28.9  
 265 21.5 16.8 25.2

