

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\  
 Data File : BF082670.D  
 Acq On : 3 Nov 2015 19:48  
 Operator : UM/IZ  
 Sample : G4242-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CWC-5-20151102

Quant Time: Nov 04 04:04:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 03 12:27:47 2015  
 Response via : Initial Calibration

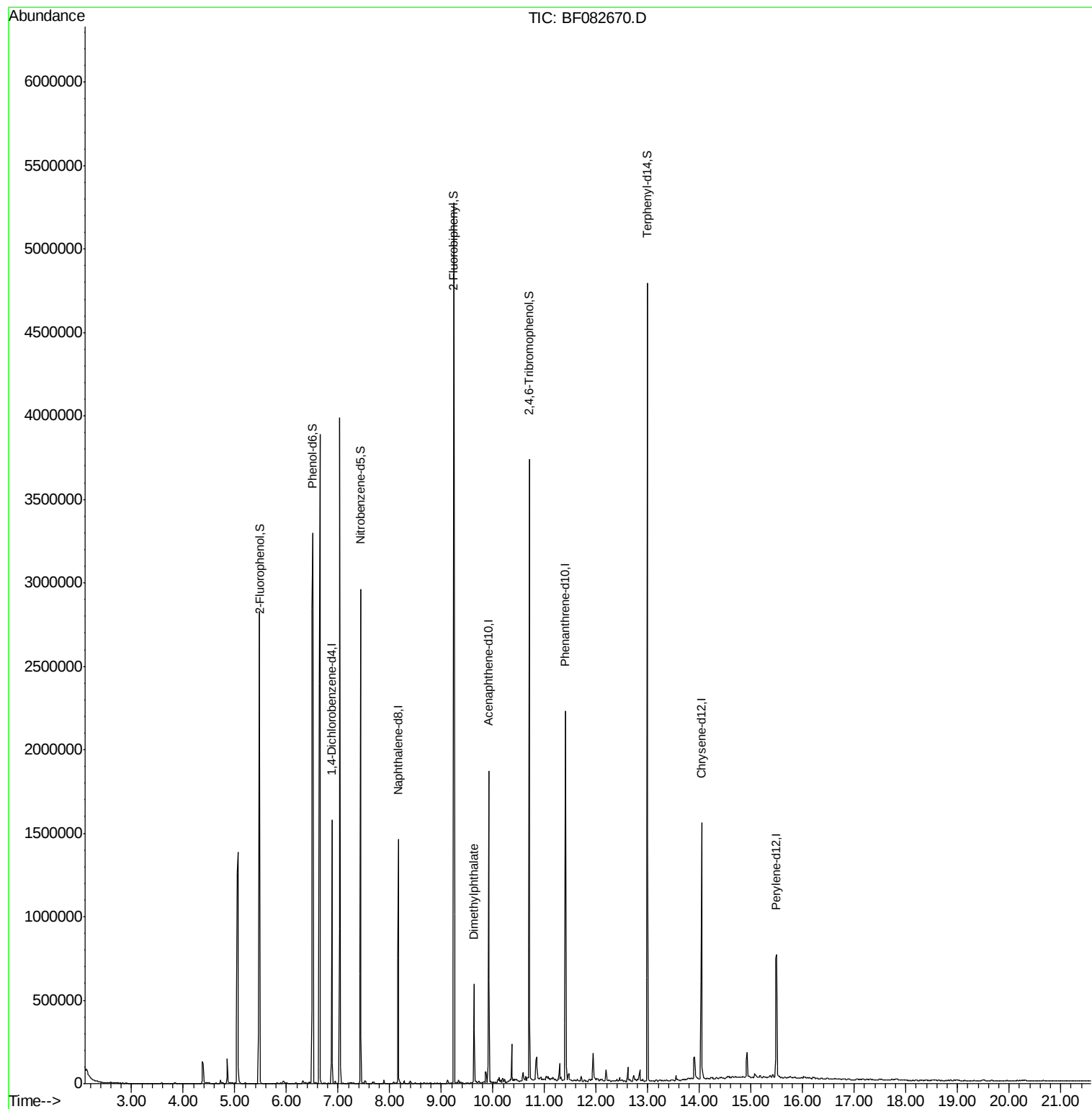
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 190357   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.17  | 136  | 730937   | 20.00 | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.92  | 164  | 365382   | 20.00 | ng    | -0.01        |
| 63) Phenanthrene-d10        | 11.40 | 188  | 722366   | 20.00 | ng    | -0.01        |
| 75) Chrysene-d12            | 14.04 | 240  | 551692   | 20.00 | ng    | -0.01        |
| 86) Perylene-d12            | 15.49 | 264  | 445881   | 20.00 | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.48  | 112  | 1054258  | 83.41 | ng    | 0.01         |
| 7) Phenol-d6                | 6.51  | 99   | 1548855  | 92.25 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.44  | 82   | 933465   | 52.15 | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 357709   | 89.46 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 1511132  | 58.72 | ng    | -0.01        |
| 78) Terphenyl-d14           | 12.99 | 244  | 1514831  | 60.09 | ng    | -0.01        |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.63  | 163  | 277866   | 9.31  | ng    | Qvalue<br>99 |

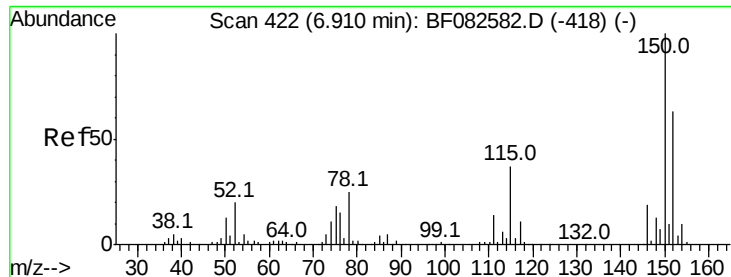
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\  
Data File : BF082670.D  
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Sample : G4242-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CWC-5-20151102

Quant Time: Nov 04 04:04:34 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 03 12:27:47 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF082670.D

Acq: 3 Nov 2015 19:48

Instrument :

BNA\_F

ClientSampleId :

CWC-5-20151102

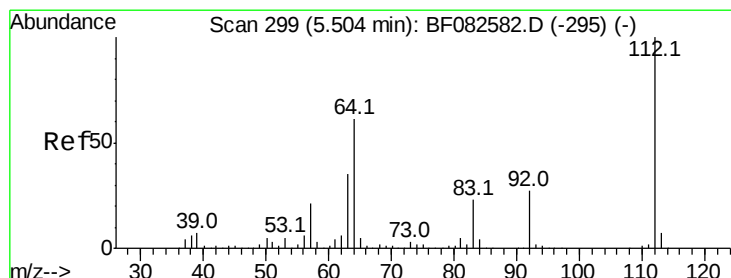
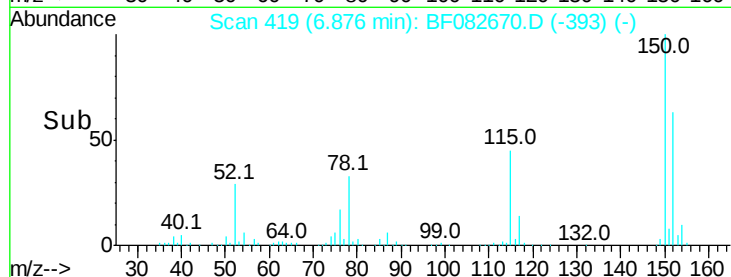
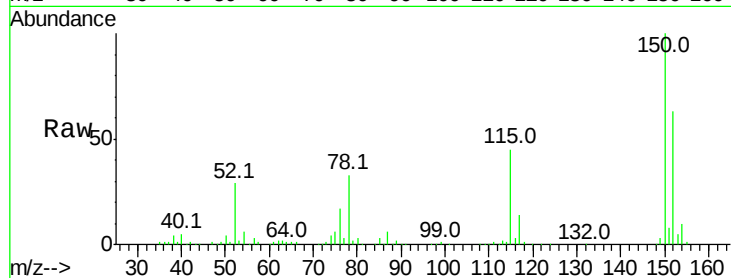
Tot Ion:152 Resp: 190357

Ion Ratio Lower Upper

152 100

150 159.4 127.0 190.4

115 71.1 47.0 70.6#



#5

2-Fluorophenol

Concen: 83.41 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.01 min

Lab File: BF082670.D

Acq: 3 Nov 2015 19:48

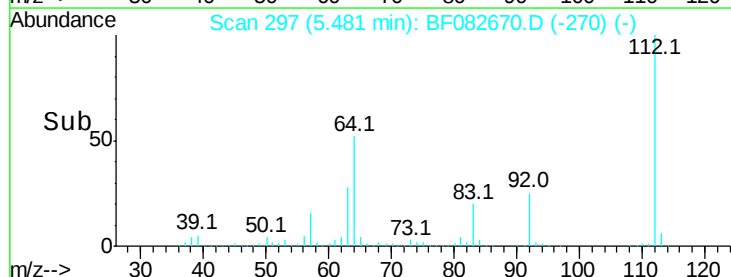
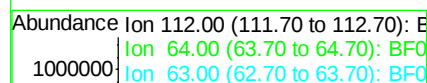
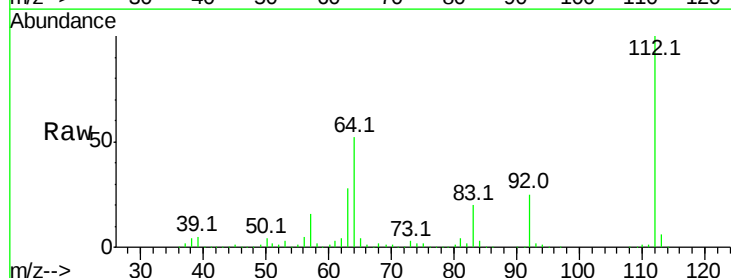
Tgt Ion:112 Resp: 1054258

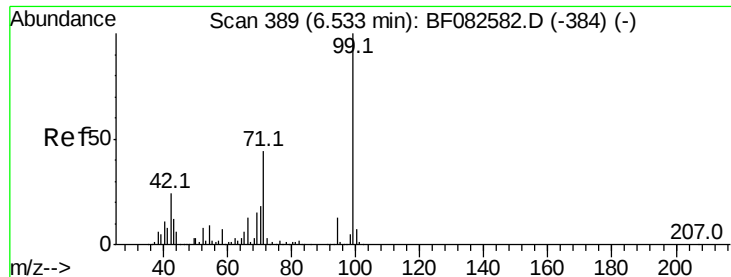
Ion Ratio Lower Upper

112 100

64 52.0 48.9 73.3

63 27.8 28.1 42.1#





#7

Phenol-d6

Concen: 92.25 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082670.D

Acq: 3 Nov 2015 19:48

Instrument :

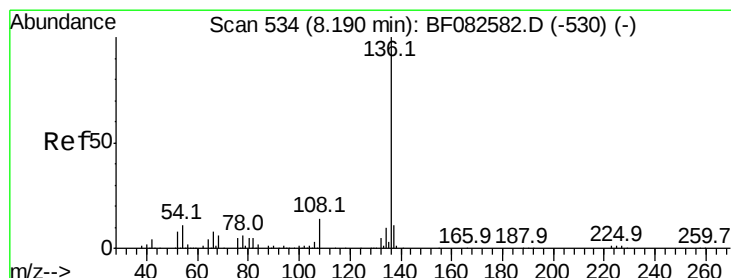
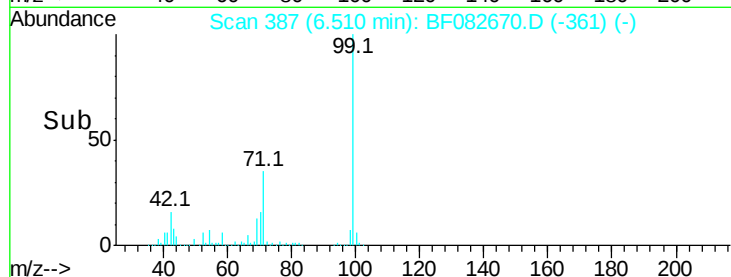
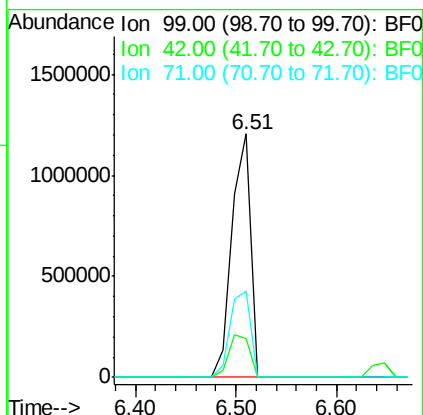
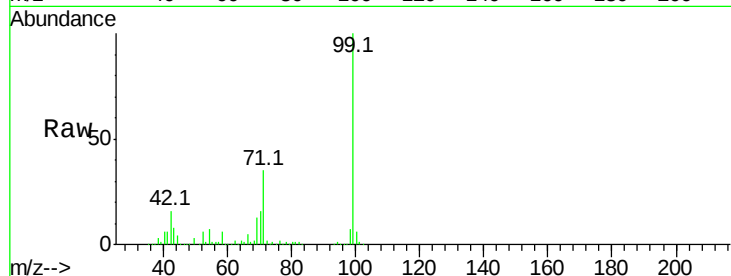
BNA\_F

ClientSampleId :

CWC-5-20151102

Tot Ion: 99 Resp: 1548855

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.9  | 19.2  | 28.8# |
| 71  | 35.5  | 35.0  | 52.4  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

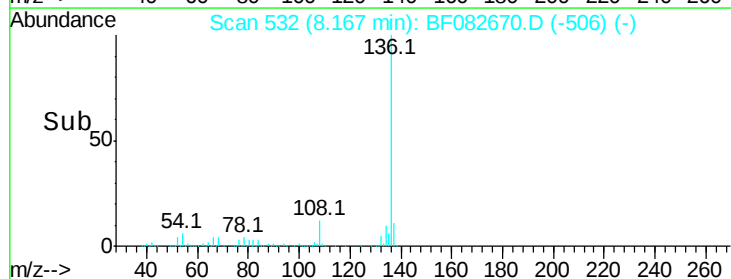
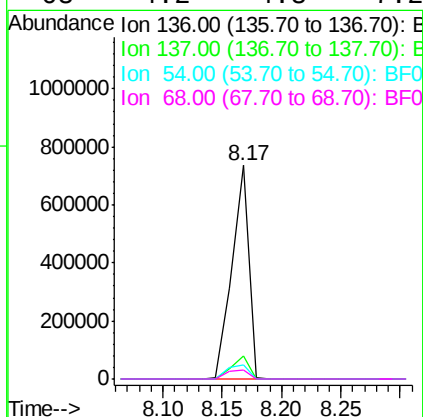
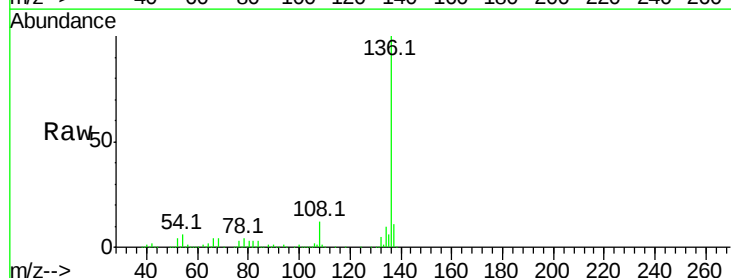
Delta R.T. 0.00 min

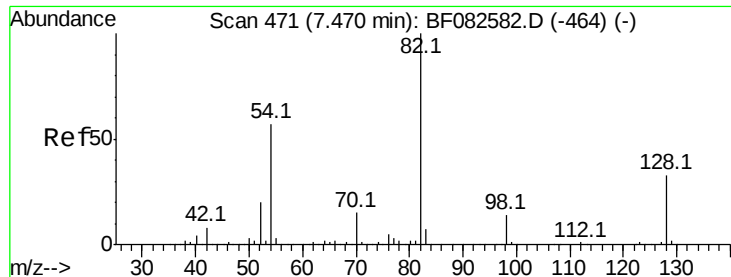
Lab File: BF082670.D

Acq: 3 Nov 2015 19:48

Tgt Ion: 136 Resp: 730937

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 9.1   | 13.7  |
| 54  | 6.5   | 9.1   | 13.7# |
| 68  | 4.2   | 4.8   | 7.2#  |

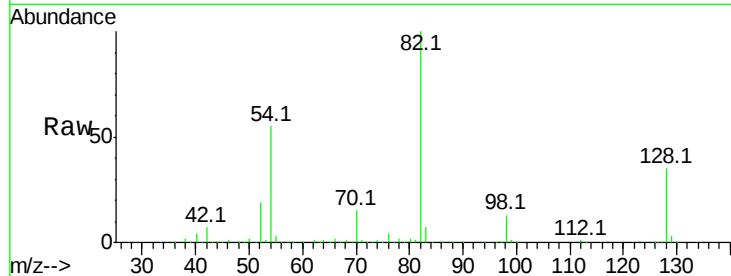




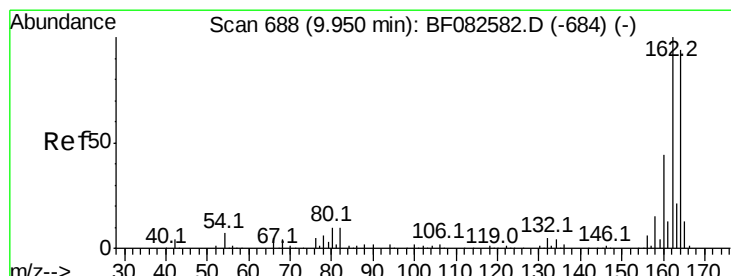
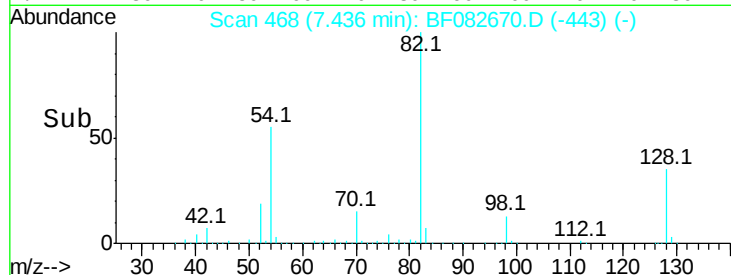
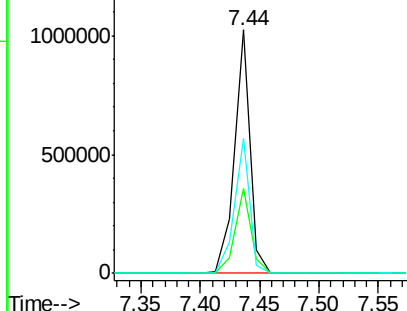
#23  
 Nitrobenzene-d5  
 Concen: 52.15 ng  
 RT: 7.44 min Scan# 468  
 Delta R.T. -0.01 min  
 Lab File: BF082670.D  
 Acq: 3 Nov 2015 19:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CWC-5-20151102

| Tot Ion   | 82   | Resp  | 933465 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 35.0 | 26.8  | 40.2   |
| 54        | 55.3 | 45.7  | 68.5   |

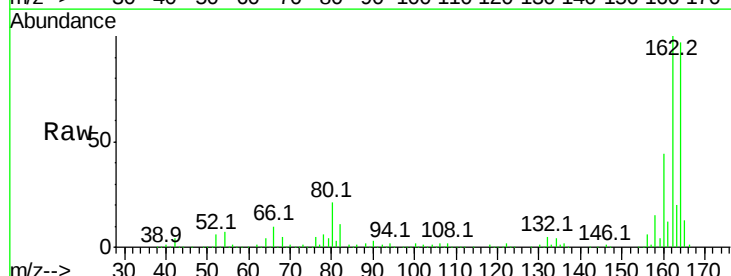


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

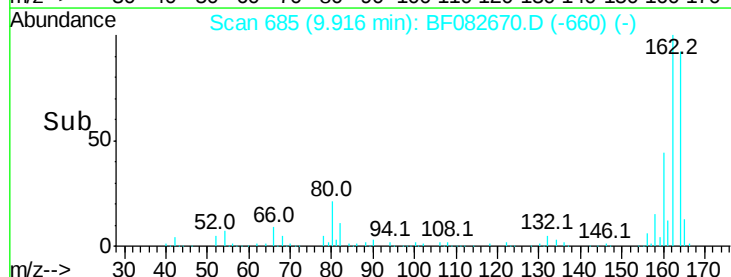
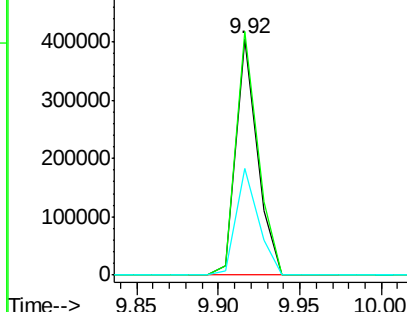


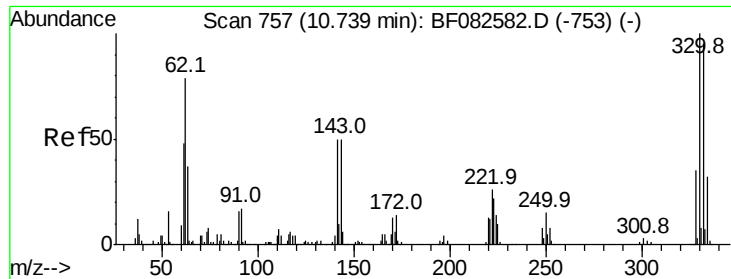
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.92 min Scan# 685  
 Delta R.T. -0.01 min  
 Lab File: BF082670.D  
 Acq: 3 Nov 2015 19:48

| Tgt Ion   | 164   | Resp  | 365382 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 103.2 | 84.9  | 127.3  |
| 160       | 45.0  | 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

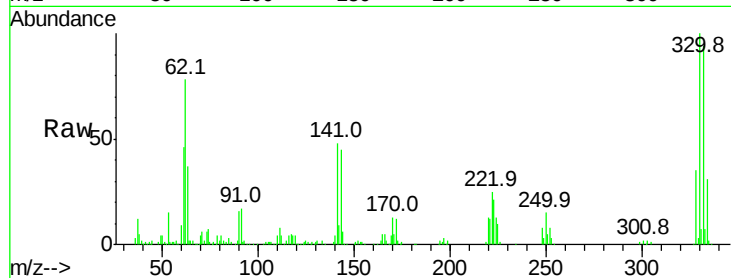




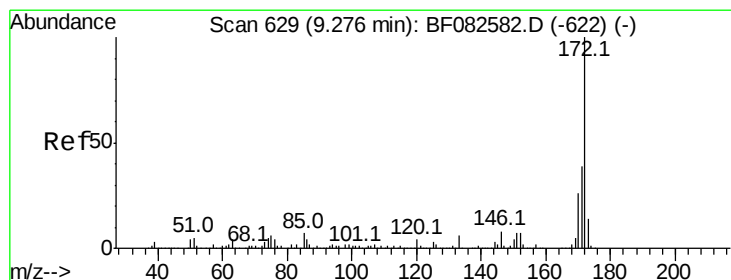
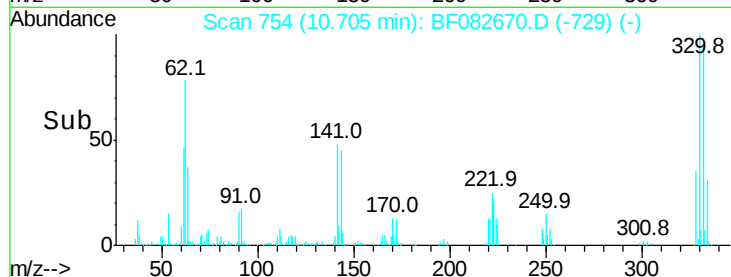
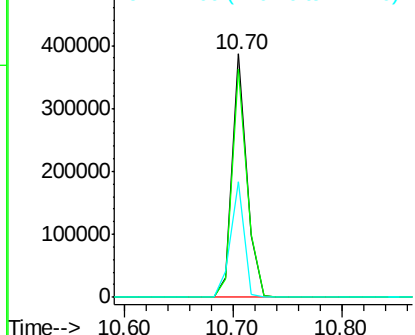
#41  
 2,4,6-Tribromophenol  
 Concen: 89.46 ng  
 RT: 10.70 min Scan# 754  
 Delta R.T. -0.01 min  
 Lab File: BF082670.D  
 Acq: 3 Nov 2015 19:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CWC-5-20151102

Tot Ion:330 Resp: 357709  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 76.6 114.8  
 141 44.8 41.2 61.8

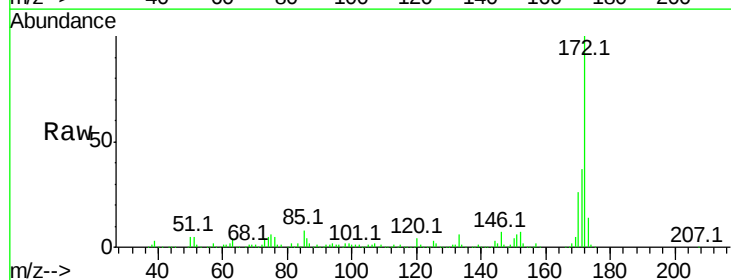


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

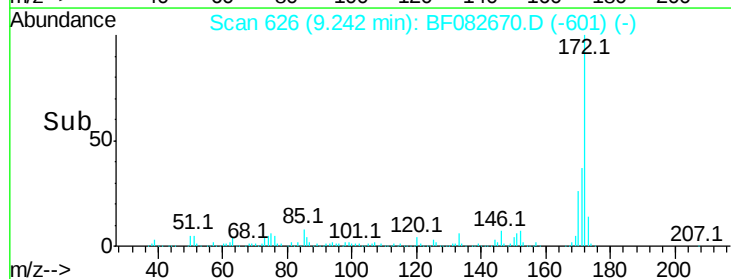
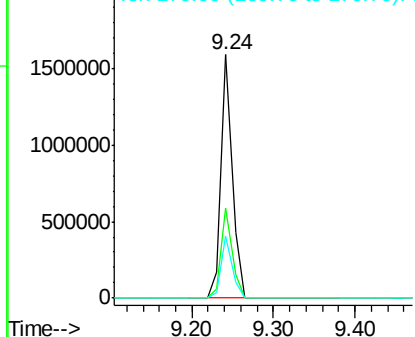


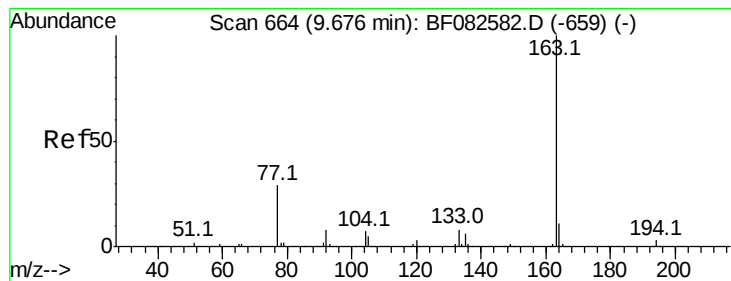
#44  
 2-Fluorobiphenyl  
 Concen: 58.72 ng  
 RT: 9.24 min Scan# 626  
 Delta R.T. -0.01 min  
 Lab File: BF082670.D  
 Acq: 3 Nov 2015 19:48

Tgt Ion:172 Resp: 1511132  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 30.8 46.2  
 170 25.5 21.2 31.8



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





#49

Dimethylphthalate

Concen: 9.31 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF082670.D

Acq: 3 Nov 2015 19:48

Instrument :

BNA\_F

ClientSampleId :

CWC-5-20151102

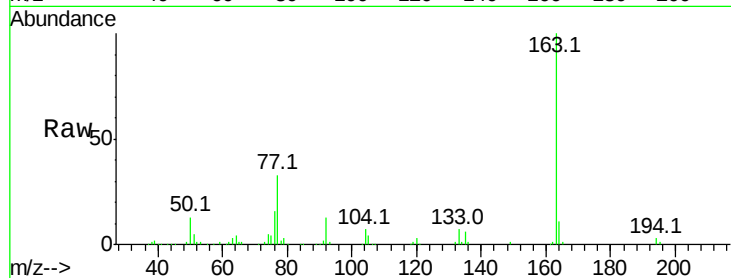
Tot Ion:163 Resp: 277866

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

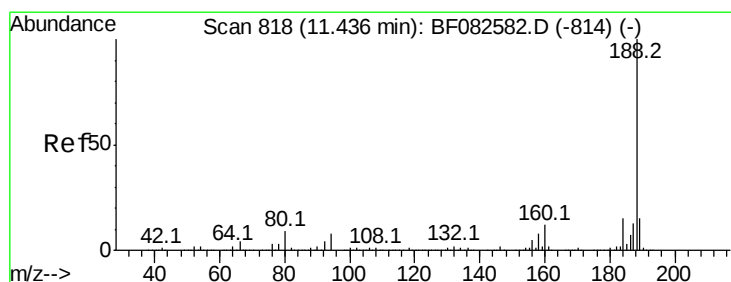
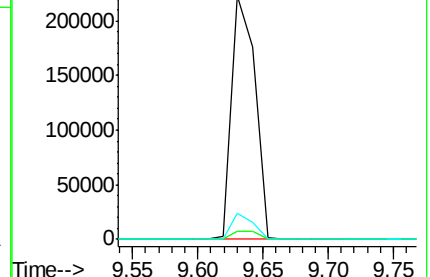
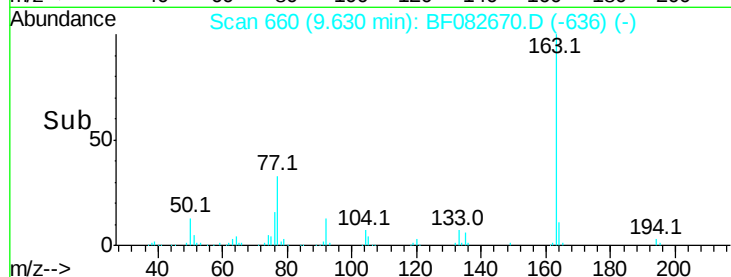
164 10.6 8.7 13.1



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: 11.40 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF082670.D

Acq: 3 Nov 2015 19:48

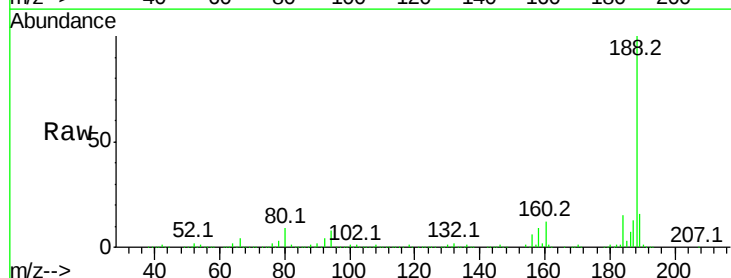
Tgt Ion:188 Resp: 722366

Ion Ratio Lower Upper

188 100

94 8.4 6.1 9.1

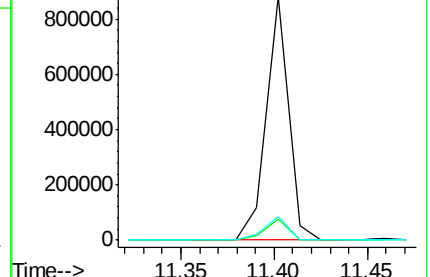
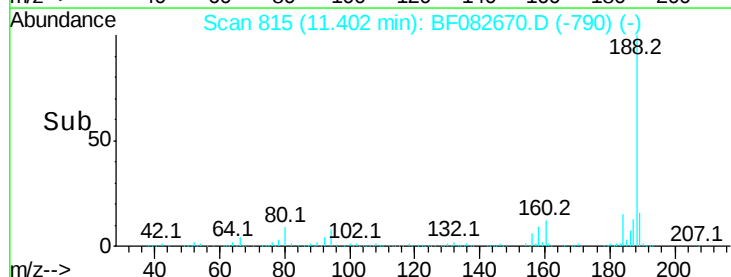
80 9.5 7.0 10.6

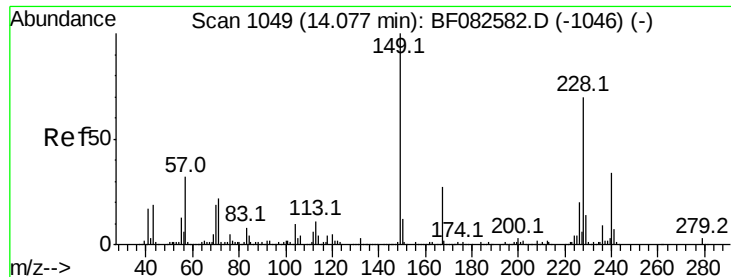


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF082670.D

Acq: 3 Nov 2015 19:48

Instrument :

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ClientSampleId :

CWC-5-20151102

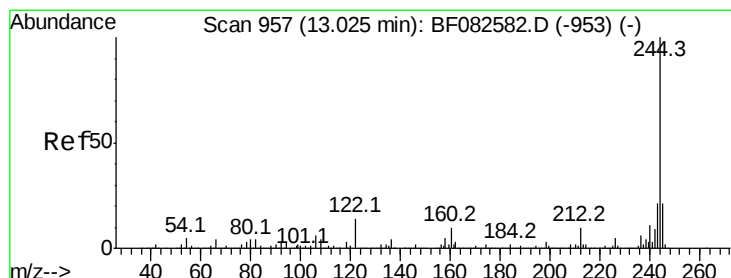
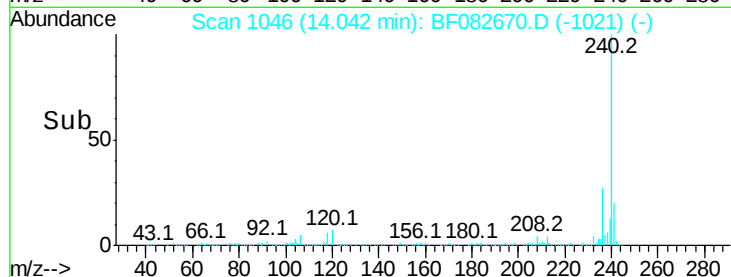
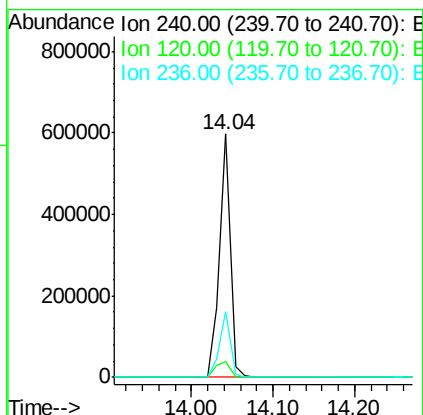
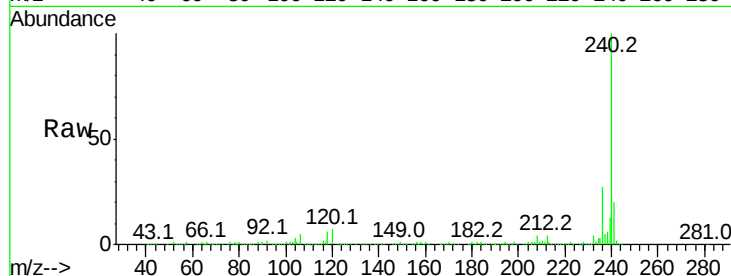
Tot Ion:240 Resp: 551692

Ion Ratio Lower Upper

240 100

120 6.5 10.9 16.3#

236 27.0 21.6 32.4



#78

Terphenyl-d14

Concen: 60.09 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF082670.D

Acq: 3 Nov 2015 19:48

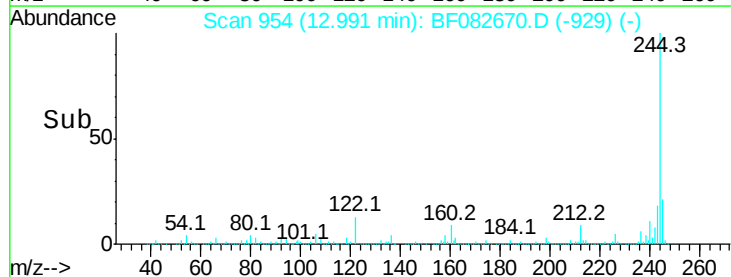
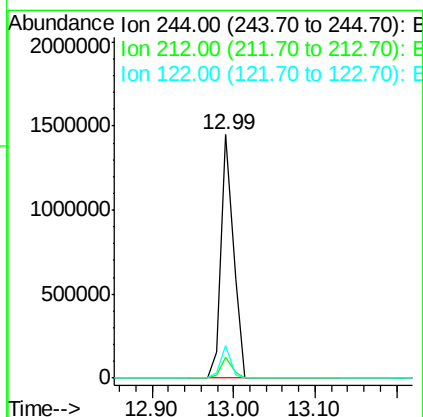
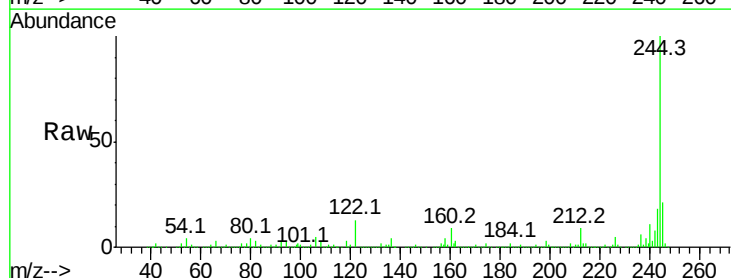
Tgt Ion:244 Resp: 1514831

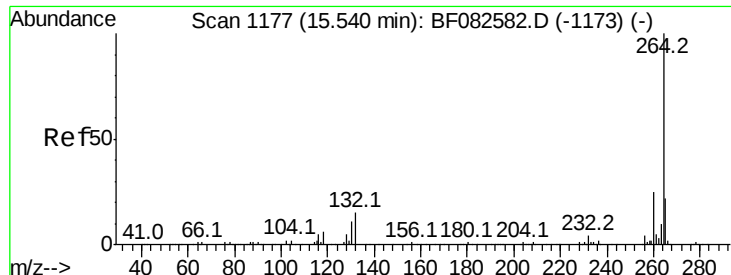
Ion Ratio Lower Upper

244 100

212 8.6 7.6 11.4

122 13.2 11.3 16.9

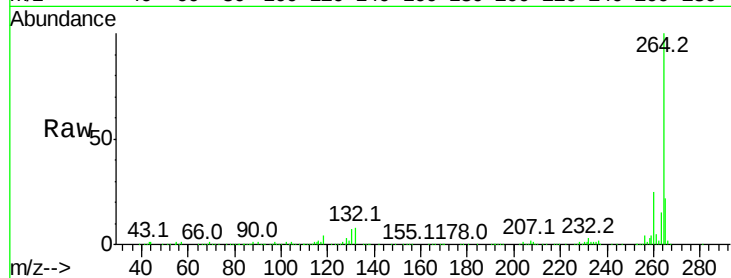




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.49 min Scan# 1173  
 Delta R.T. -0.01 min  
 Lab File: BF082670.D  
 Acq: 3 Nov 2015 19:48

Instrument :  
 BNA\_F  
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 CWC-5-20151102

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.8  | 29.6  |
| 265     | 21.5  | 17.4  | 26.0  |



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

