

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061915\  
 Data File : BF080071.D  
 Acq On : 20 Jun 2015 00:14  
 Operator : TP/IZ  
 Sample : PB84121BL  
 Misc : LOD/LOQ-SVOC-SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84121BL

Quant Time: Jun 20 01:57:11 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 17 16:41:53 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.33  | 152  | 42519    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.62  | 136  | 172396   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.39 | 164  | 90738    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.90 | 188  | 192913   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.76 | 240  | 213963   | 20.00  | ng    | -0.10    |
| 86) Perylene-d12            | 16.59 | 264  | 200636   | 20.00  | ng    | -0.16    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.94  | 112  | 293623   | 122.24 | ng    | 0.00     |
| 7) Phenol-d6                | 6.93  | 99   | 352329   | 110.23 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.89  | 82   | 217209   | 73.35  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 11.19 | 330  | 104147   | 117.38 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.69  | 172  | 451680   | 70.99  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.54 | 244  | 647789   | 70.71  | ng    | -0.05    |

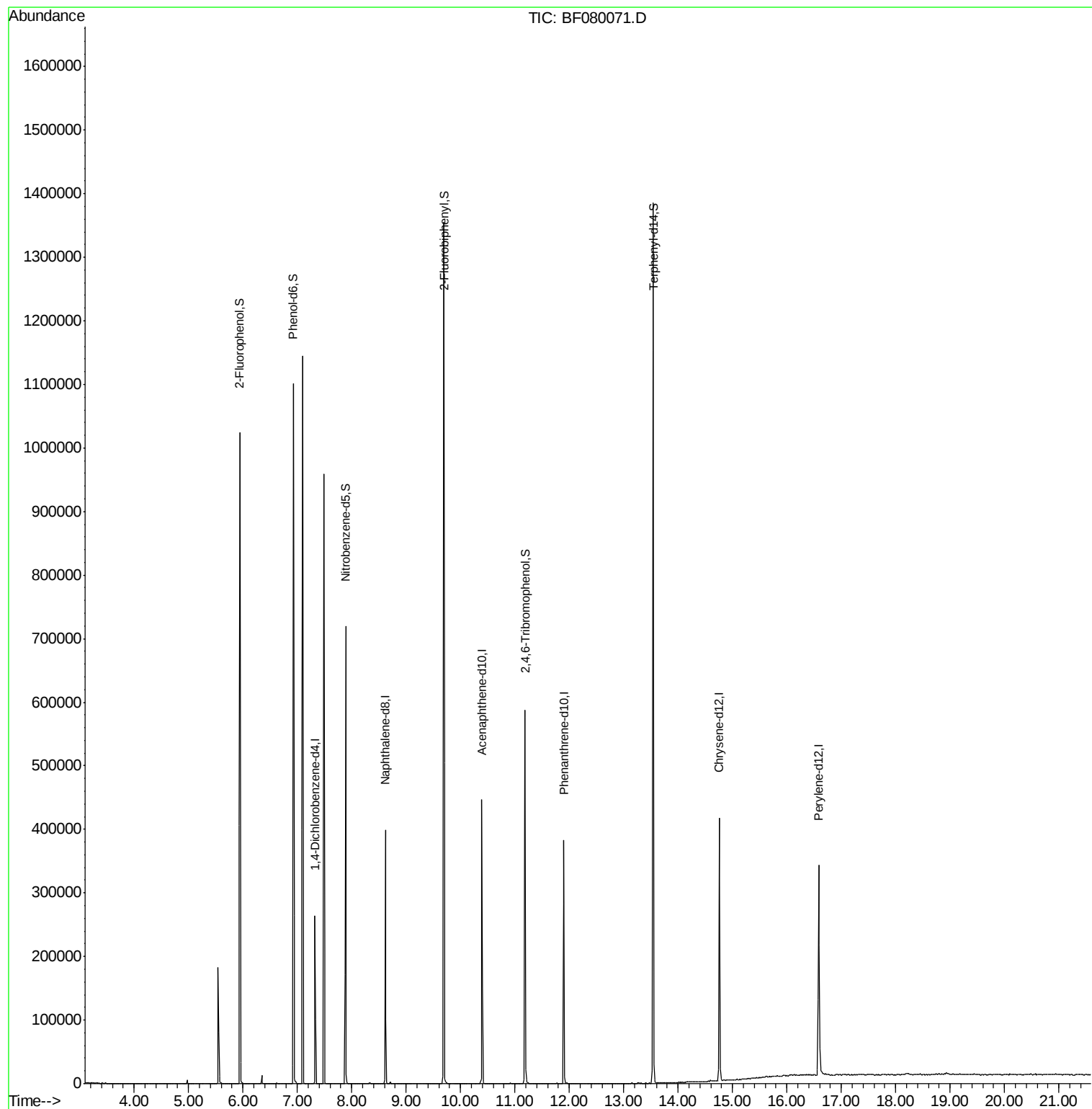
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

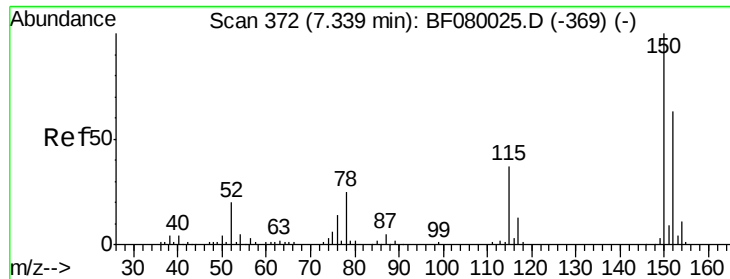
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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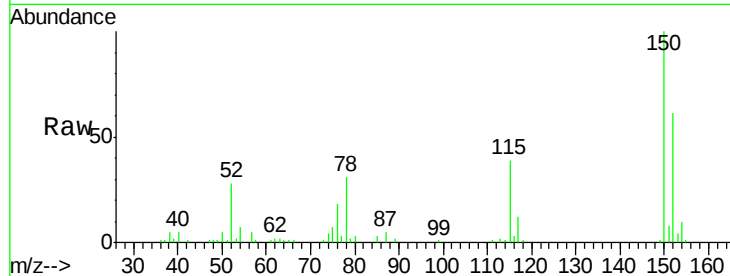


#1

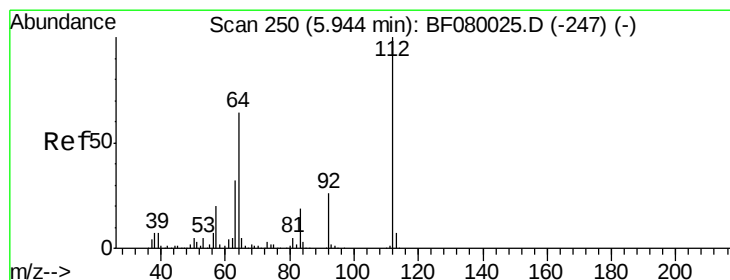
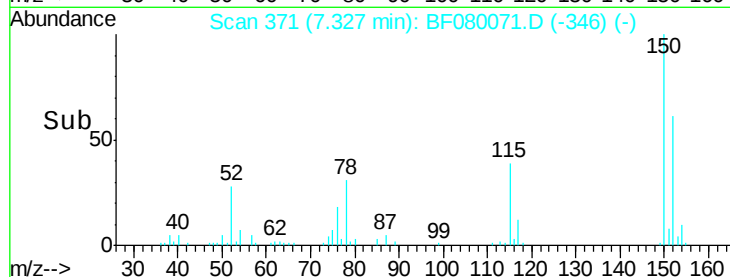
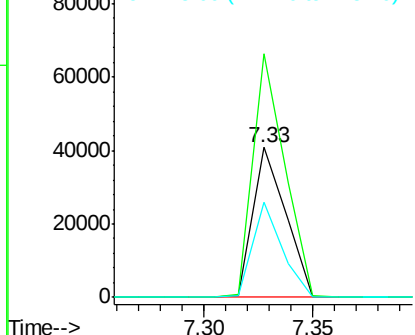
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.33 min Scan# 371  
Delta R.T. -0.01 min  
Lab File: BF080071.D  
Acq: 20 Jun 2015 00:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB84121BL

Tgt Ion:152 Resp: 42519  
Ion Ratio Lower Upper  
152 100  
150 162.6 124.7 187.1  
115 63.3 39.0 58.4#



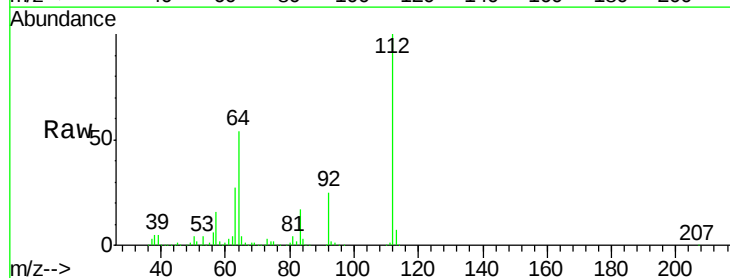
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



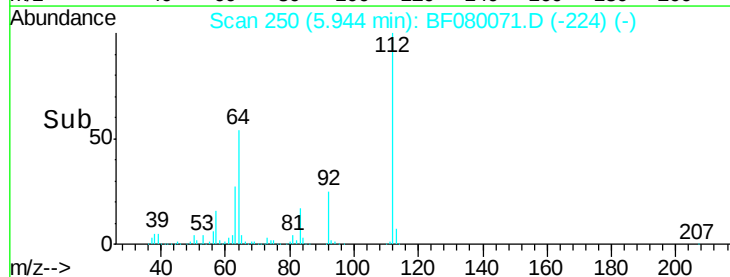
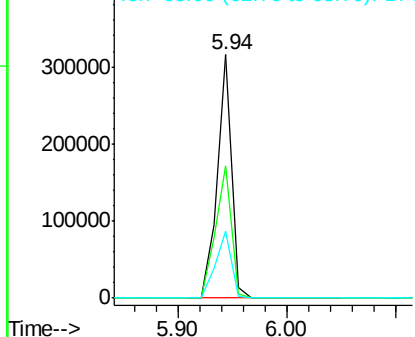
#5

2-Fluorophenol  
Concen: 122.24 ng  
RT: 5.94 min Scan# 250  
Delta R.T. 0.00 min  
Lab File: BF080071.D  
Acq: 20 Jun 2015 00:14

Tgt Ion:112 Resp: 293623  
Ion Ratio Lower Upper  
112 100  
64 54.4 39.7 59.5  
63 27.5 17.4 26.0#



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: 110.23 ng

RT: 6.93 min Scan# 336

Delta R.T. -0.01 min

Lab File: BF080071.D

Acq: 20 Jun 2015 00:14

Instrument :

BNA\_F

ClientSampleId :

PB84121BL

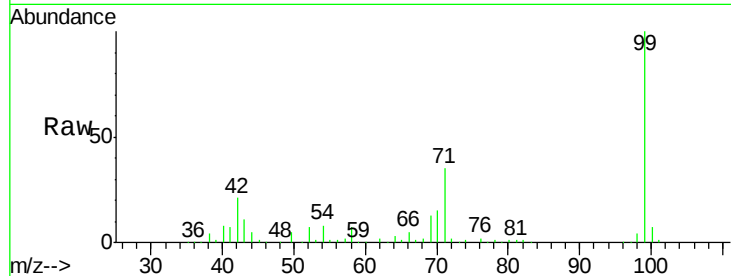
Tgt Ion: 99 Resp: 352329

Ion Ratio Lower Upper

99 100

42 21.1 13.7 20.5#

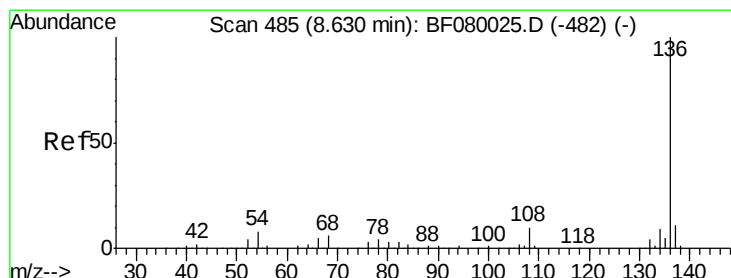
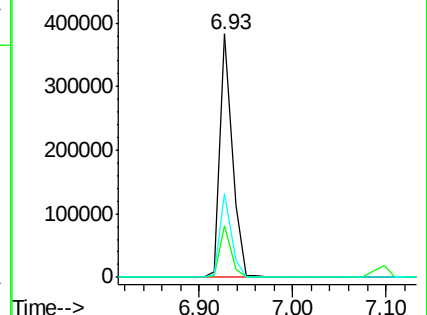
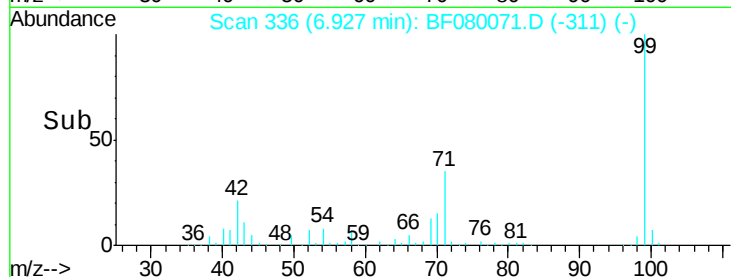
71 34.6 14.2 21.2#



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: 8.62 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF080071.D

Acq: 20 Jun 2015 00:14

Tgt Ion: 136 Resp: 172396

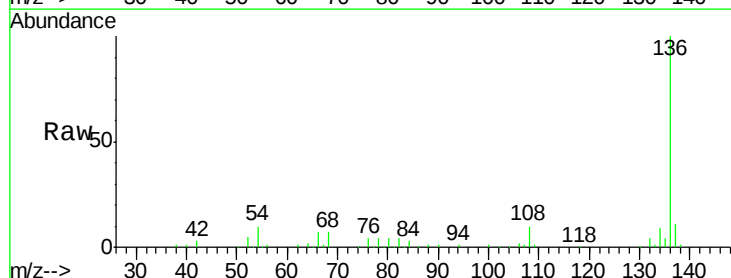
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 9.9 8.2 12.2

68 7.2 5.8 8.6

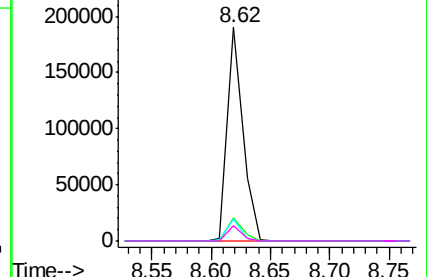
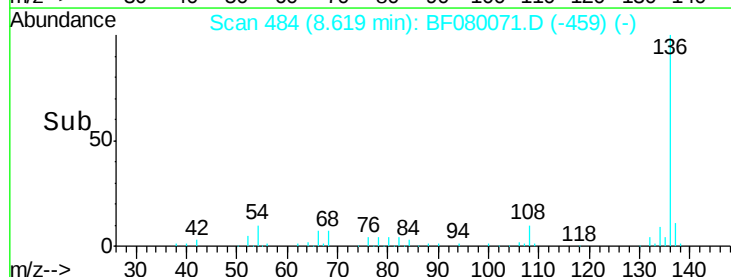


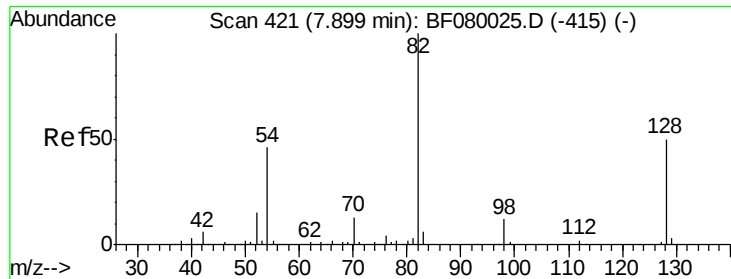
Abundance Ion 136.00 (135.70 to 136.70): E

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

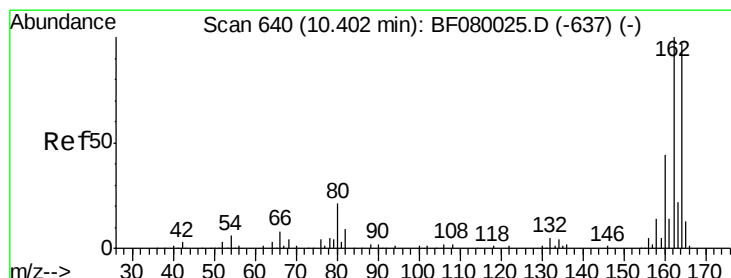
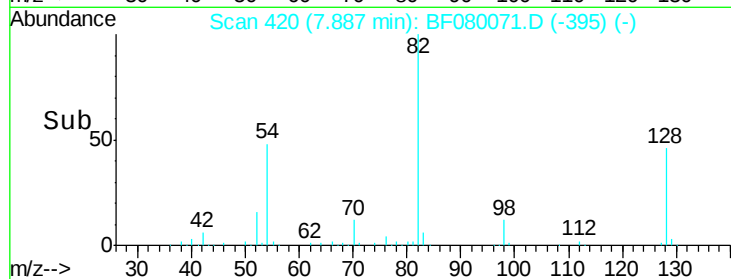
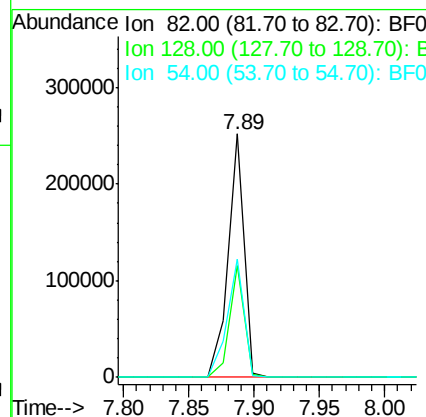
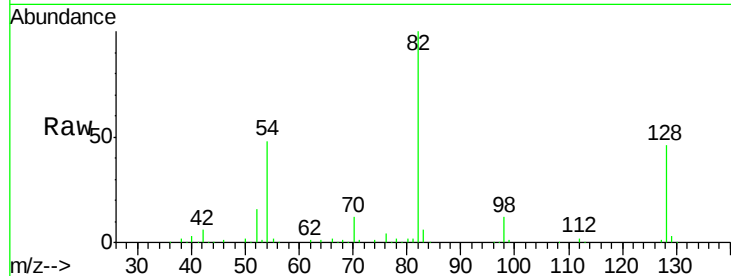




#23  
 Nitrobenzene-d5  
 Concen: 73.35 ng  
 RT: 7.89 min Scan# 420  
 Delta R.T. -0.01 min  
 Lab File: BF080071.D  
 Acq: 20 Jun 2015 00:14

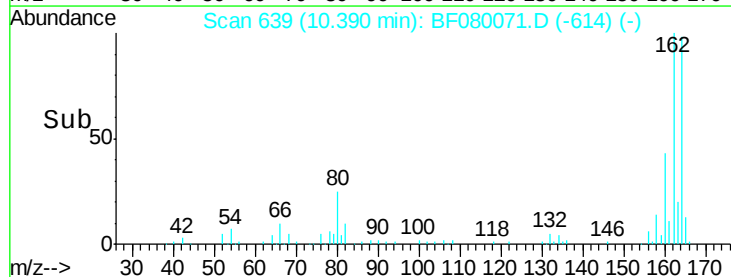
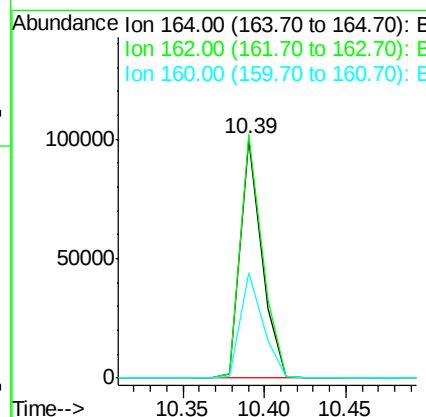
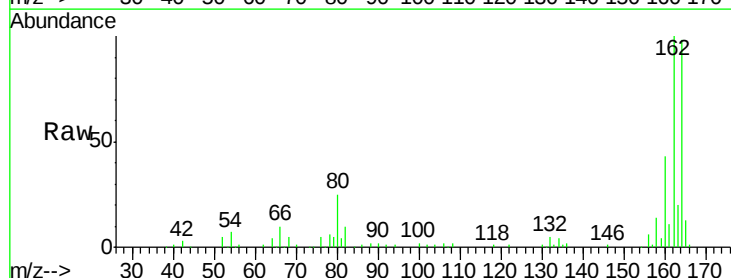
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84121BL

Tgt Ion: 82 Resp: 217209  
 Ion Ratio Lower Upper  
 82 100  
 128 45.8 51.0 76.6#  
 54 48.5 47.5 71.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.39 min Scan# 639  
 Delta R.T. -0.01 min  
 Lab File: BF080071.D  
 Acq: 20 Jun 2015 00:14

Tgt Ion:164 Resp: 90738  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 75.2 112.8  
 160 44.3 31.5 47.3

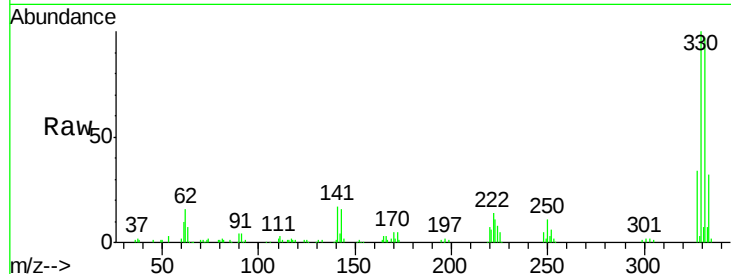




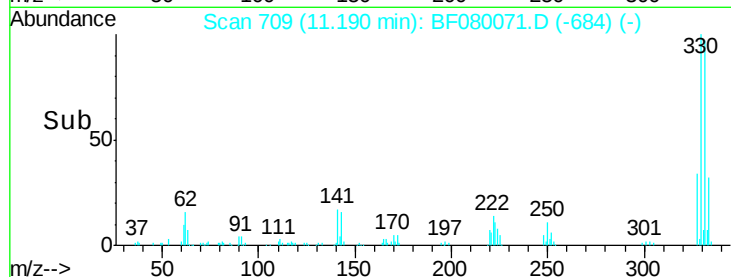
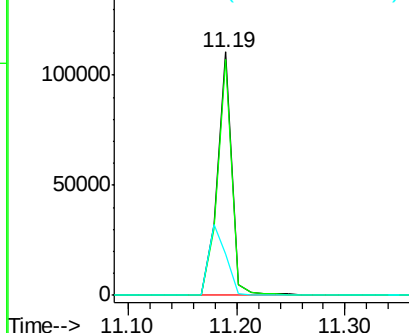
#41  
 2,4,6-Tribromophenol  
 Concen: 117.38 ng  
 RT: 11.19 min Scan# 709  
 Delta R.T. -0.01 min  
 Lab File: BF080071.D  
 Acq: 20 Jun 2015 00:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84121BL

Tgt Ion:330 Resp: 104147  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 76.6 114.8  
 141 35.0 29.7 44.5

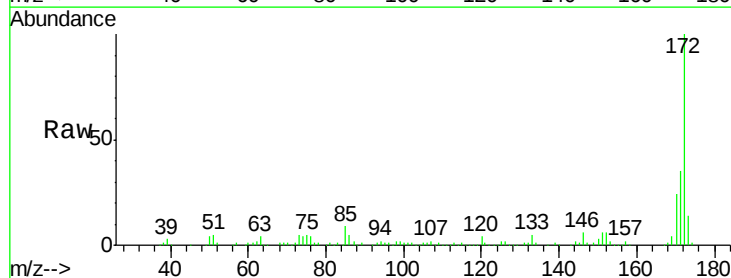


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

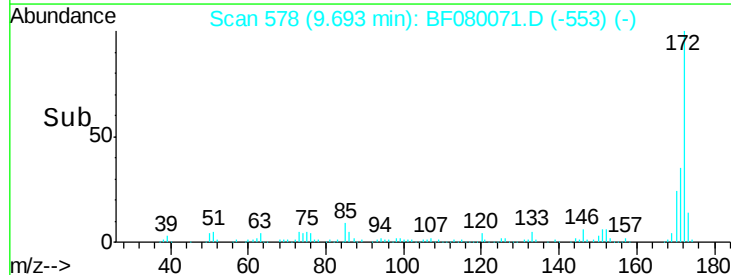
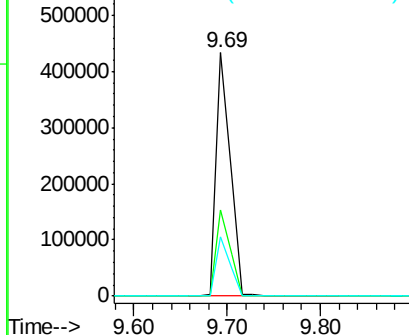


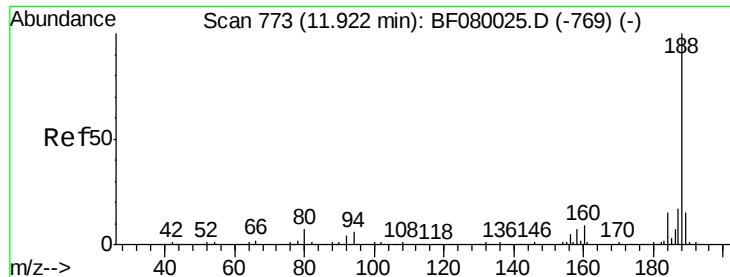
#44  
 2-Fluorobiphenyl  
 Concen: 70.99 ng  
 RT: 9.69 min Scan# 578  
 Delta R.T. -0.01 min  
 Lab File: BF080071.D  
 Acq: 20 Jun 2015 00:14

Tgt Ion:172 Resp: 451680  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 26.1 39.1  
 170 24.1 17.4 26.2



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

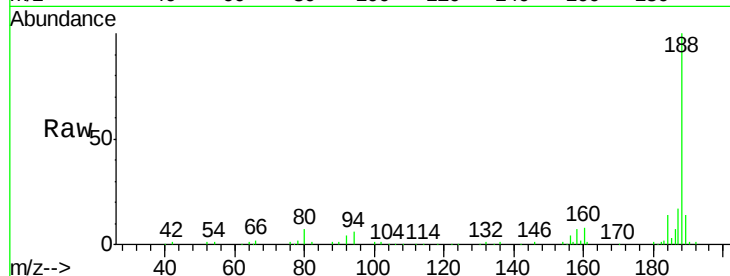




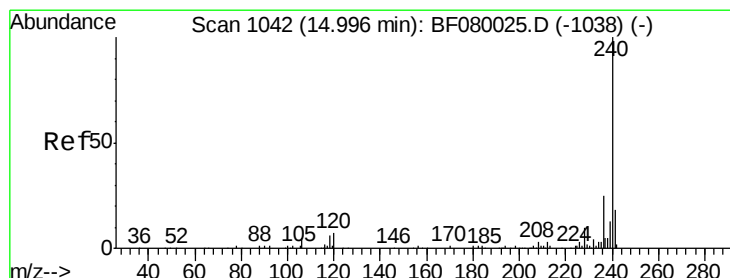
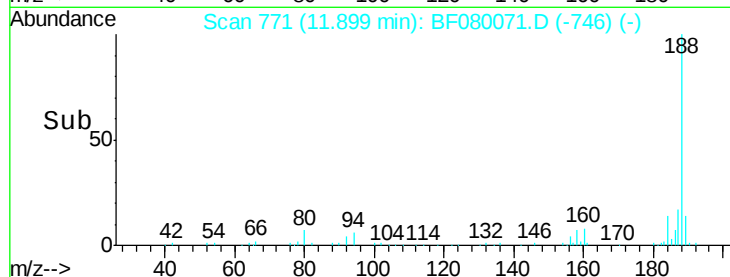
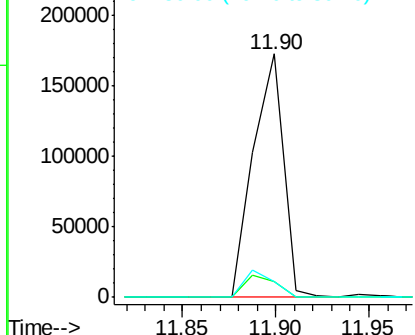
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.90 min Scan# 771  
Delta R.T. -0.01 min  
Lab File: BF080071.D  
Acq: 20 Jun 2015 00:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB84121BL

Tgt Ion:188 Resp: 192913  
Ion Ratio Lower Upper  
188 100  
94 6.3 11.1 16.7#  
80 6.7 11.0 16.4#

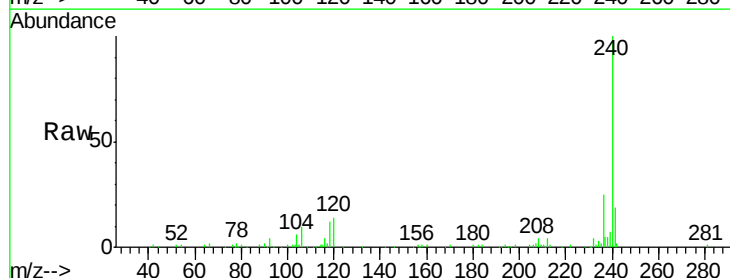


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

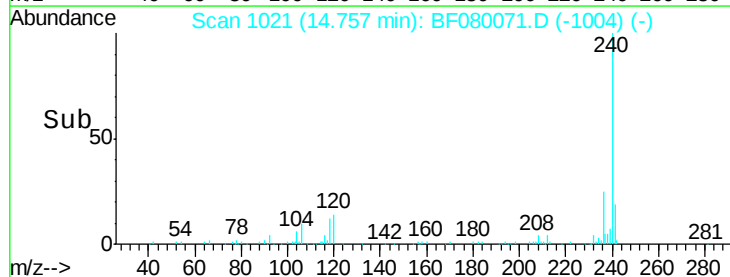
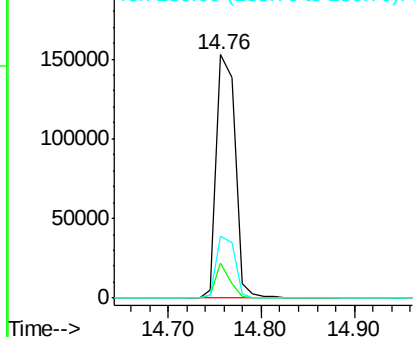


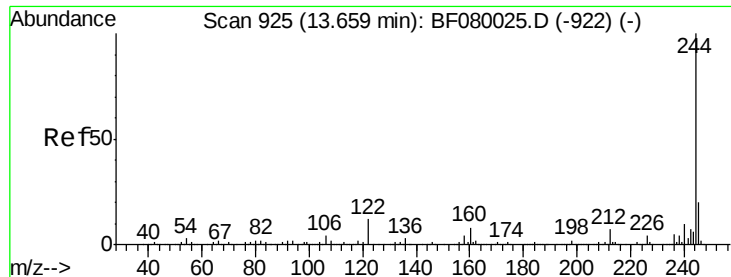
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.76 min Scan# 1021  
Delta R.T. -0.10 min  
Lab File: BF080071.D  
Acq: 20 Jun 2015 00:14

Tgt Ion:240 Resp: 213963  
Ion Ratio Lower Upper  
240 100  
120 14.3 16.2 24.2#  
236 25.4 18.4 27.6



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

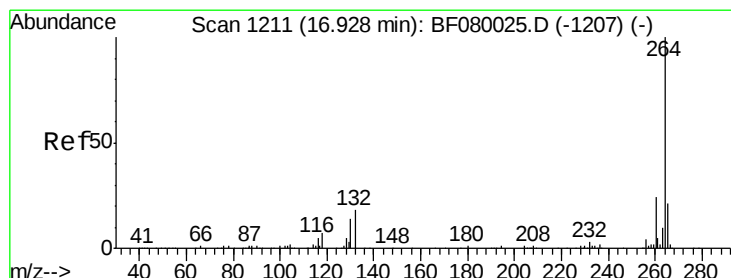
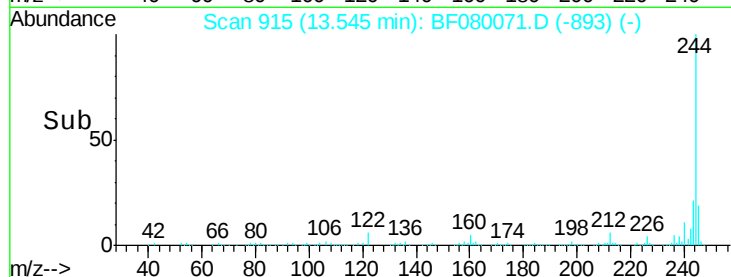
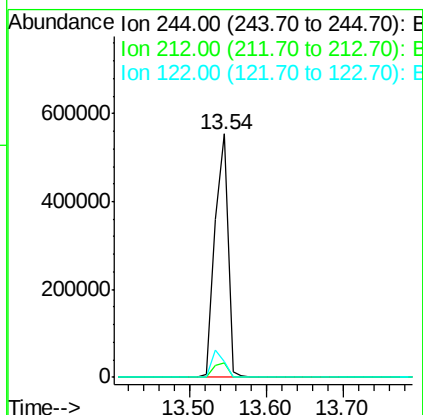
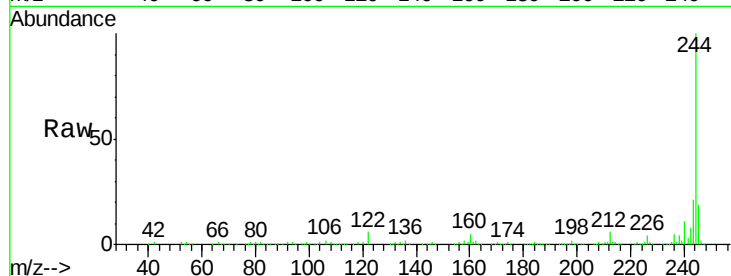




#78  
 Terphenyl-d14  
 Concen: 70.71 ng  
 RT: 13.54 min Scan# 915  
 Delta R.T. -0.05 min  
 Lab File: BF080071.D  
 Acq: 20 Jun 2015 00:14

Instrument :  
 BNA\_F  
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 PB84121BL

Tgt Ion:244 Resp: 647789  
 Ion Ratio Lower Upper  
 244 100  
 212 6.1 4.3 6.5  
 122 6.4 17.4 26.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.59 min Scan# 1181  
 Delta R.T. -0.16 min  
 Lab File: BF080071.D  
 Acq: 20 Jun 2015 00:14

Tgt Ion:264 Resp: 200636  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 16.7 25.1  
 265 21.1 17.2 25.8

