

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\  
 Data File : BF079233.D  
 Acq On : 14 May 2015 11:05  
 Operator : TP/IZ  
 Sample : G2177-21  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 14 15:38:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 14 15:23:47 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.23  | 152  | 69311    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.81  | 136  | 285246   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.98 | 164  | 132088   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.82 | 188  | 253681   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 0.00  | 240  | 0        | 0.00   | ng    | -16.13   |
| 86) Perylene-d12            | 18.05 | 264  | 278577   | 20.00  | ng    | 0.19     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 462794   | 114.94 | ng    | 0.00     |
| 7) Phenol-d6                | 6.80  | 99   | 540388   | 101.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.93  | 82   | 384435   | 77.46  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.97 | 330  | 184524   | 129.13 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.16 | 172  | 788868   | 83.21  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.82 | 244  | 891950   | 0.00   | ng    | 0.00     |

Target Compounds Qvalue

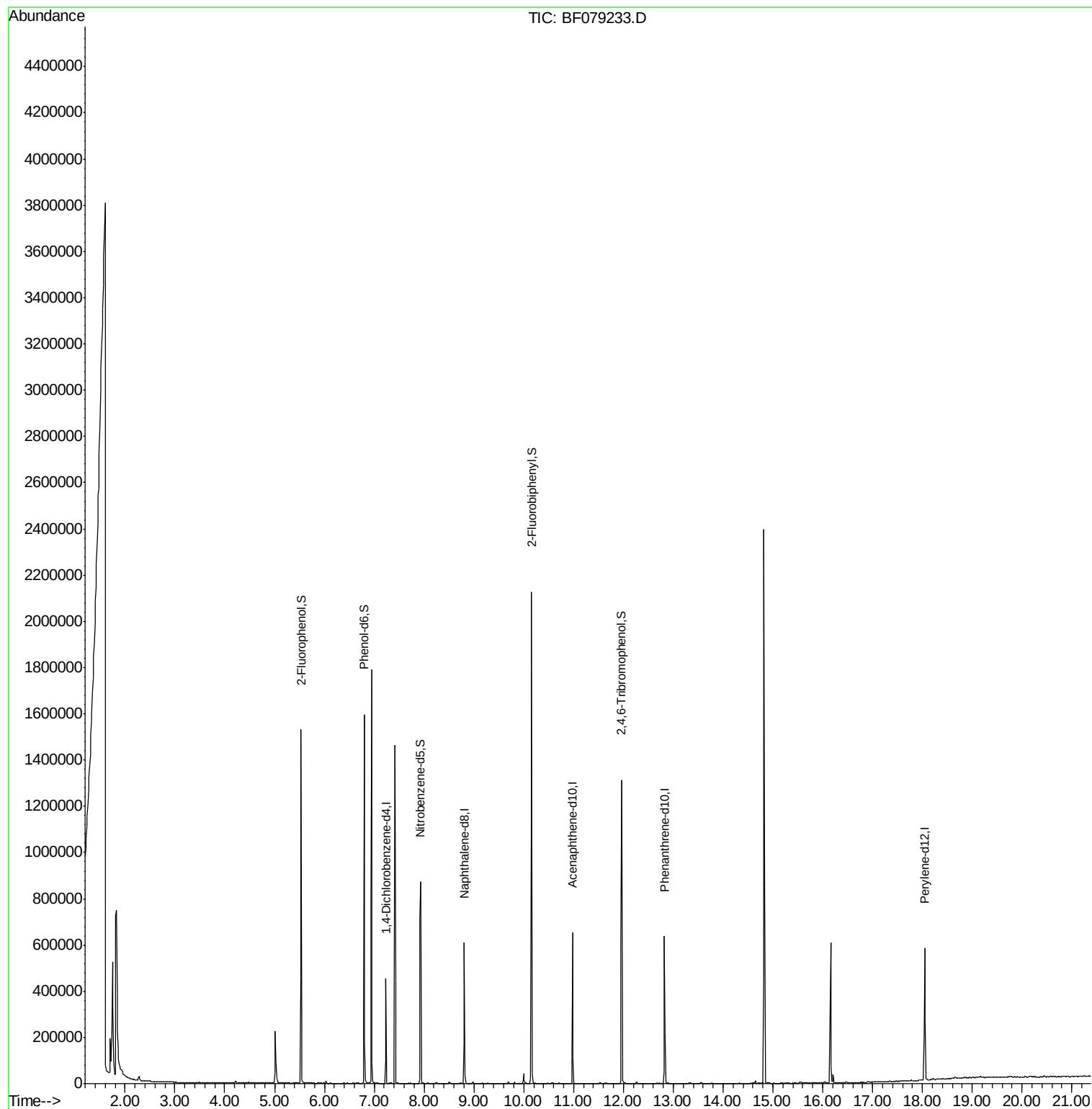
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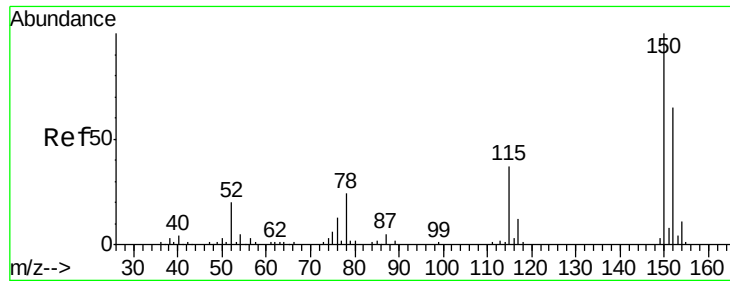
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 35 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :

Quant Time: May 14 15:38:34 2015  
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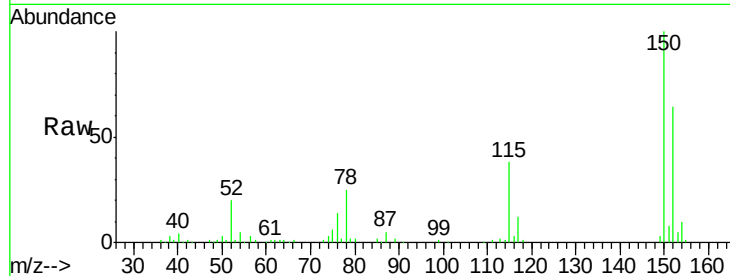


#1

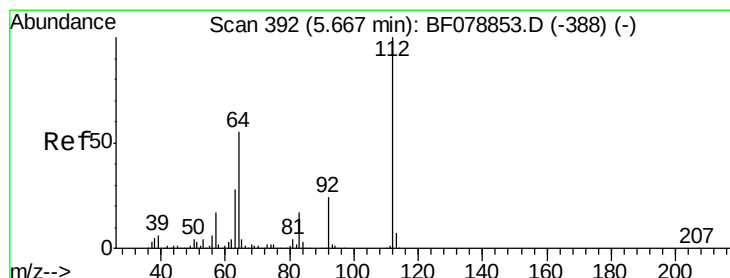
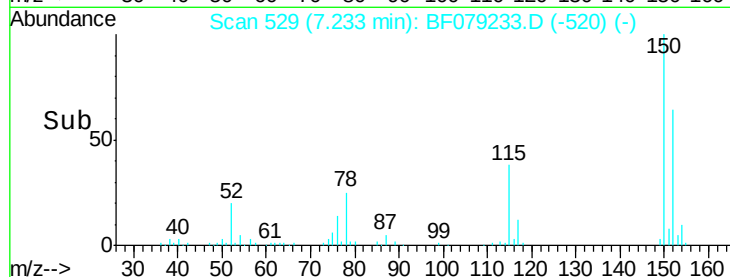
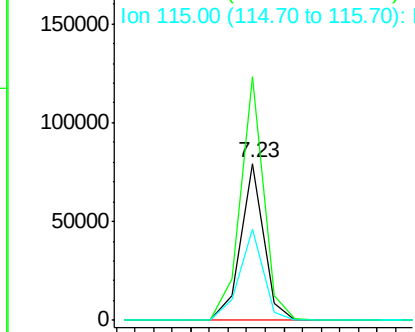
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.23 min Scan# 529  
Delta R.T. 0.00 min  
Lab File: BF079233.D  
Acq: 14 May 2015 11:05

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 69311  
Ion Ratio Lower Upper  
152 100  
150 155.2 122.0 183.0  
115 58.5 46.3 69.5



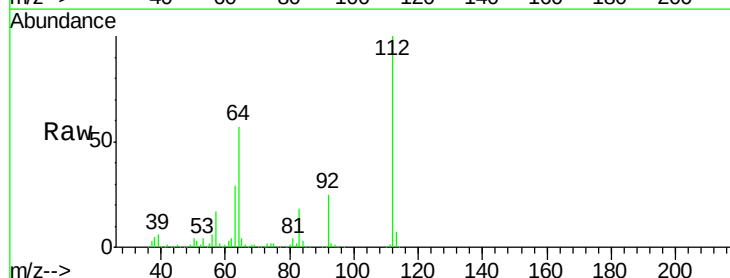
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



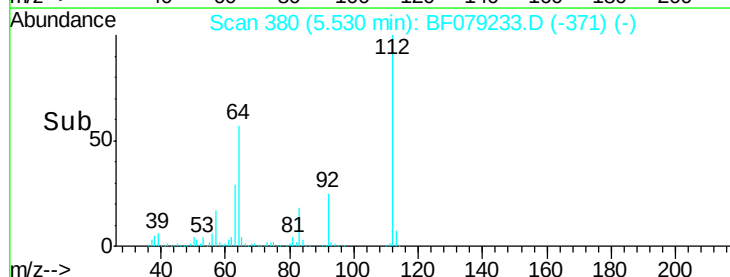
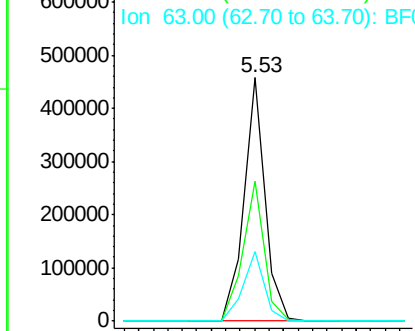
#5

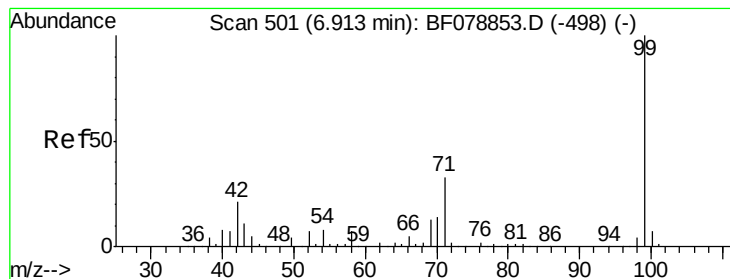
2-Fluorophenol  
Concen: 114.94 ng  
RT: 5.53 min Scan# 380  
Delta R.T. 0.00 min  
Lab File: BF079233.D  
Acq: 14 May 2015 11:05

Tgt Ion:112 Resp: 462794  
Ion Ratio Lower Upper  
112 100  
64 57.3 53.5 80.3  
63 28.7 27.5 41.3



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: 101.53 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF079233.D

Acq: 14 May 2015 11:05

Instrument :

BNA\_F

ClientSampleId :

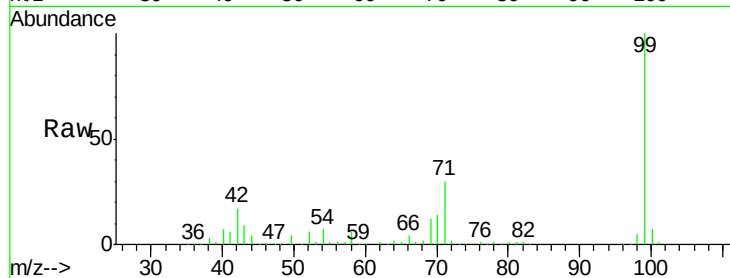
Tot Ion: 99 Resp: 540388

Ion Ratio Lower Upper

99 100

42 17.3 12.8 19.2

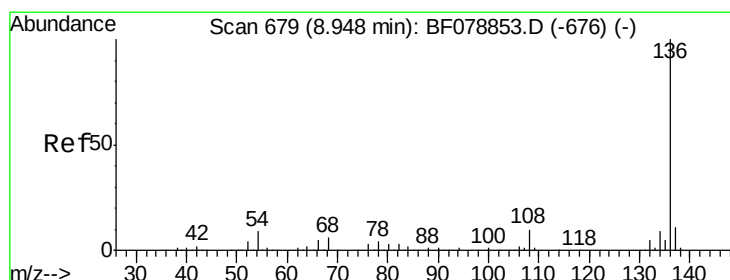
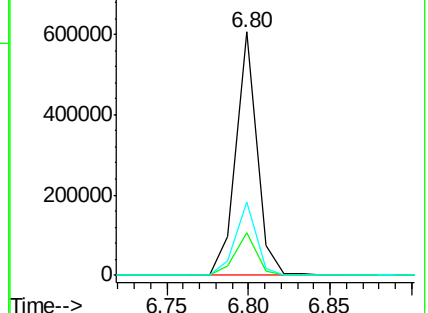
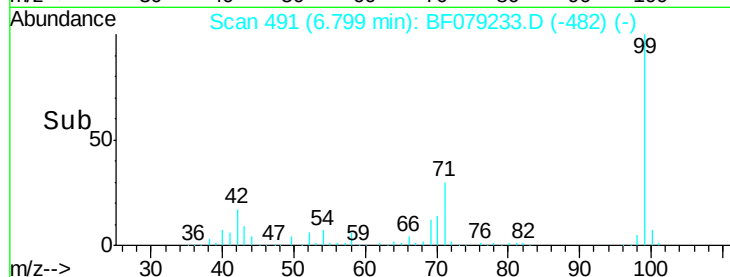
71 30.4 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.81 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF079233.D

Acq: 14 May 2015 11:05

Tgt Ion: 136 Resp: 285246

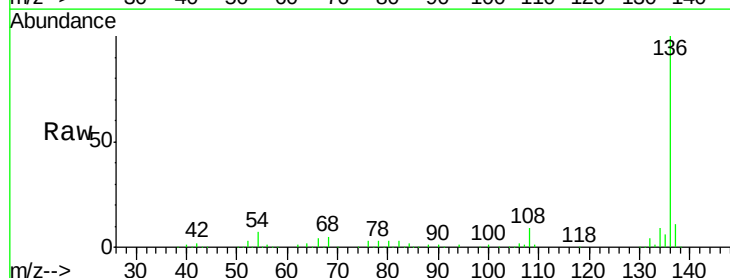
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.6 5.8 8.8

68 4.9 4.2 6.4

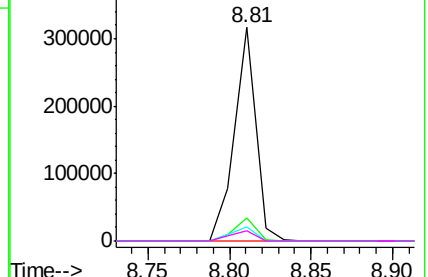
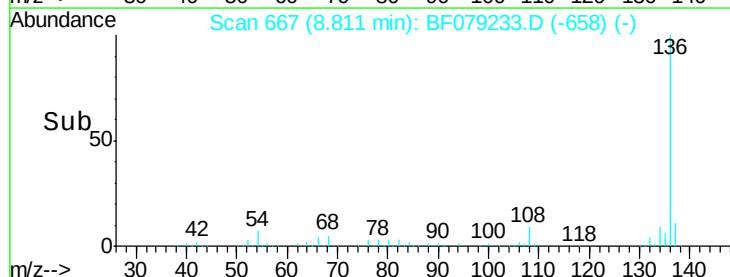


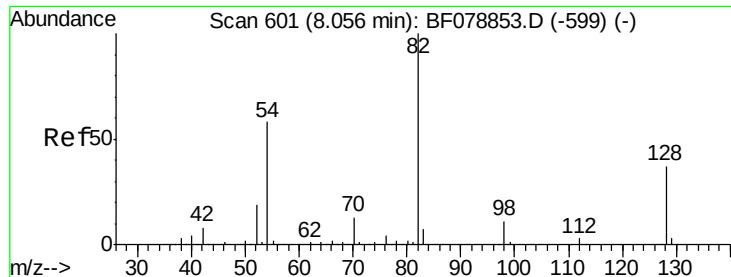
Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

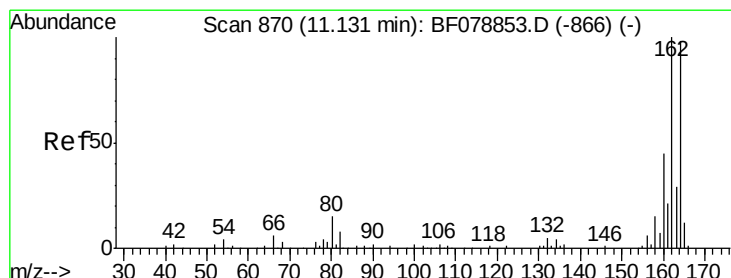
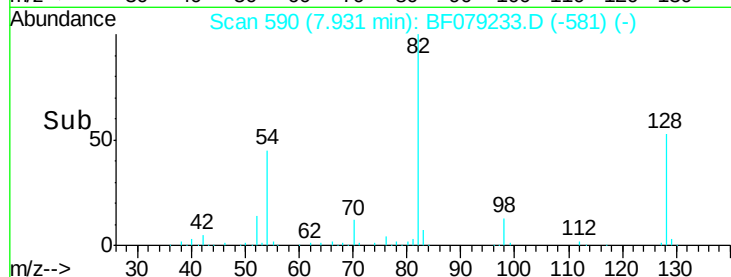
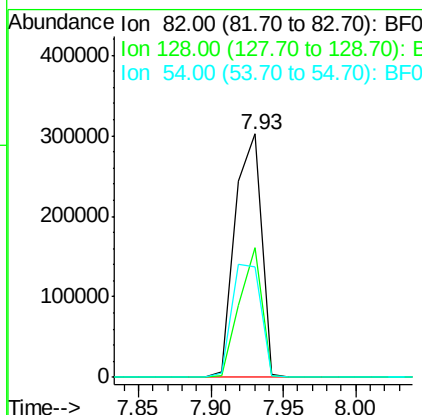
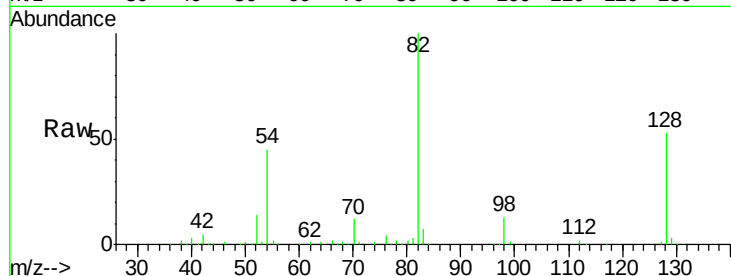




#23  
 Nitrobenzene-d5  
 Concen: 77.46 ng  
 RT: 7.93 min Scan# 590  
 Delta R.T. 0.00 min  
 Lab File: BF079233.D  
 Acq: 14 May 2015 11:05

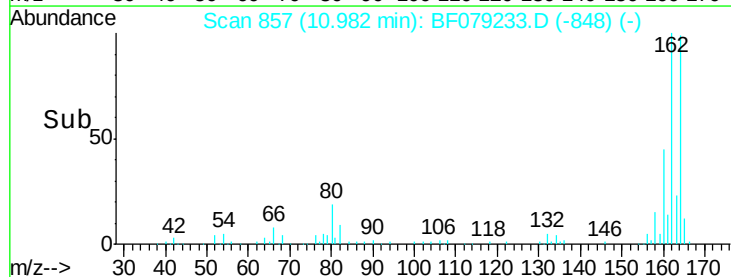
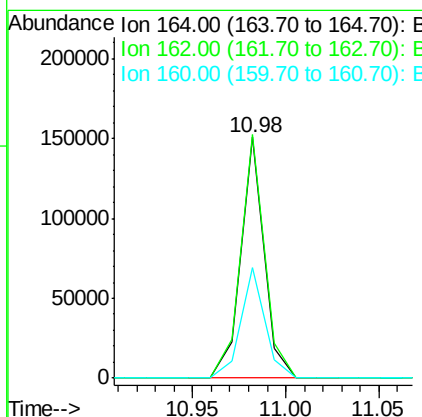
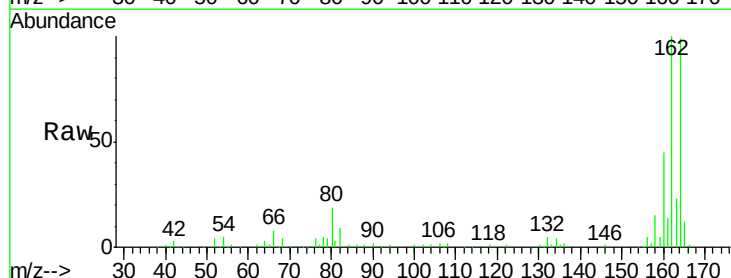
Instrument :  
 BNA\_F  
 ClientSampleId :

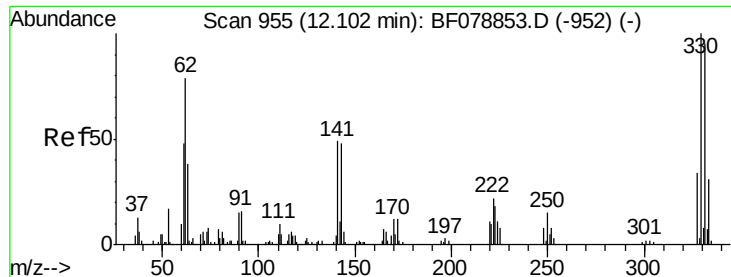
| Tot Ion   | 82   | Resp  | 384435 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 53.1 | 30.0  | 45.0#  |
| 54        | 45.3 | 46.4  | 69.6#  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.98 min Scan# 857  
 Delta R.T. 0.00 min  
 Lab File: BF079233.D  
 Acq: 14 May 2015 11:05

| Tgt Ion   | 164   | Resp  | 132088 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 101.1 | 82.7  | 124.1  |
| 160       | 45.6  | 35.8  | 53.8   |

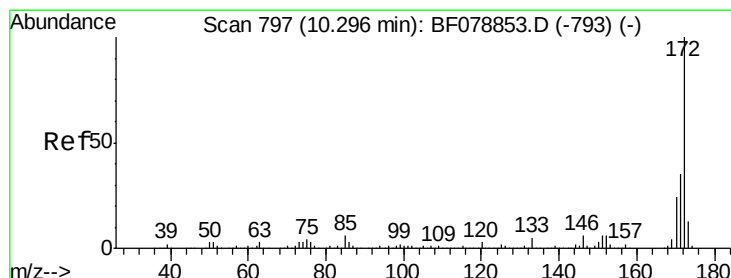
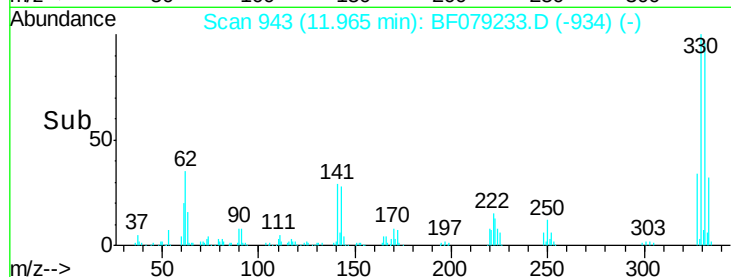
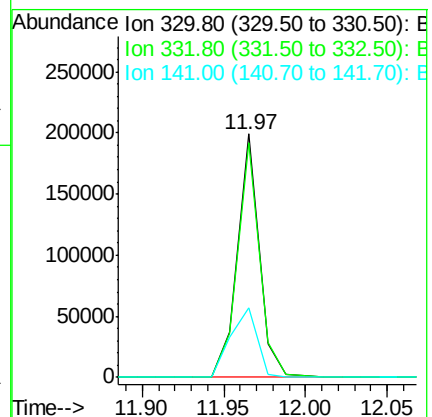
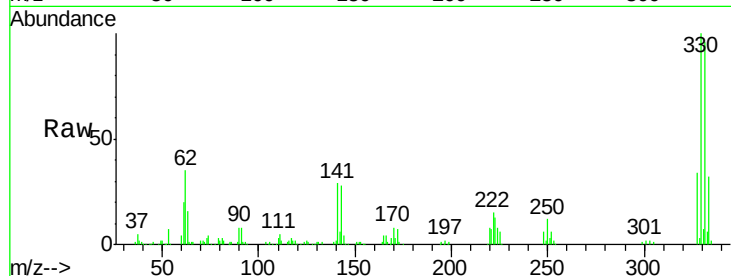




#41  
 2,4,6-Tribromophenol  
 Concen: 129.13 ng  
 RT: 11.97 min Scan# 943  
 Delta R.T. 0.00 min  
 Lab File: BF079233.D  
 Acq: 14 May 2015 11:05

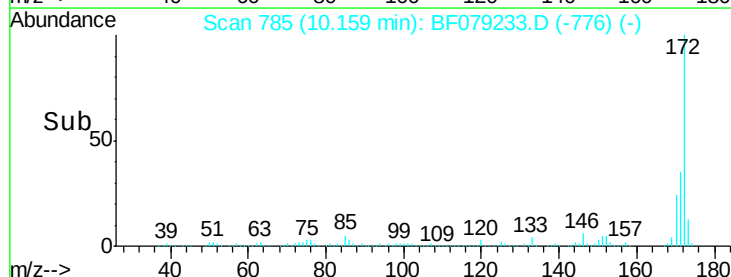
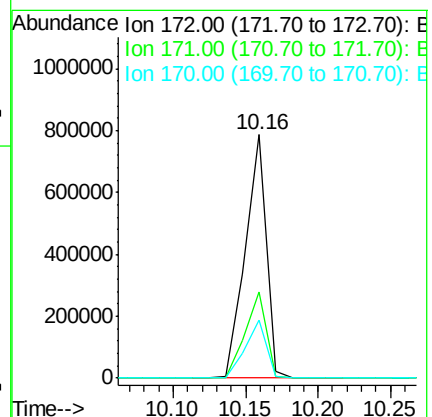
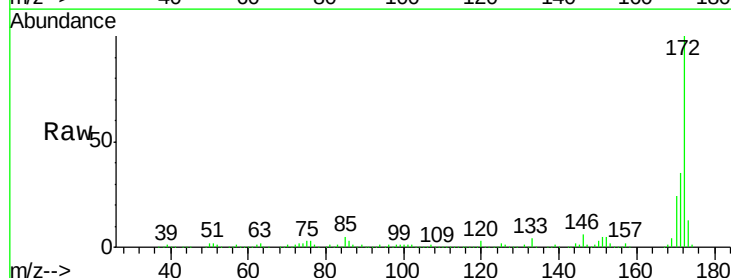
Instrument :  
 BNA\_F  
 ClientSampleId :

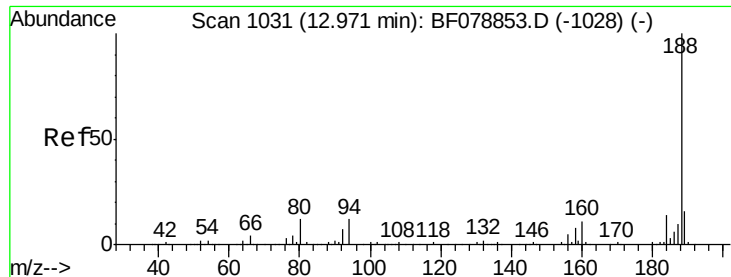
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 0.0   | 0.0#  |
| 141     | 35.2  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 83.21 ng  
 RT: 10.16 min Scan# 785  
 Delta R.T. 0.00 min  
 Lab File: BF079233.D  
 Acq: 14 May 2015 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 27.9  | 41.9  |
| 170     | 23.9  | 19.4  | 29.0  |

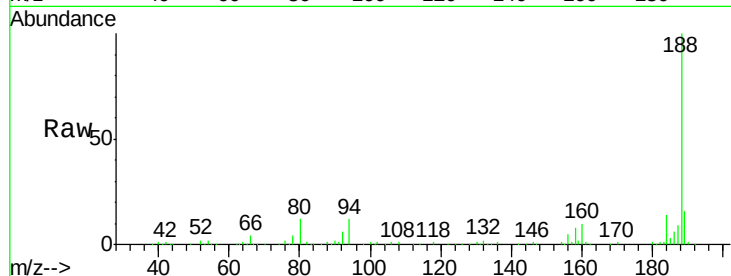




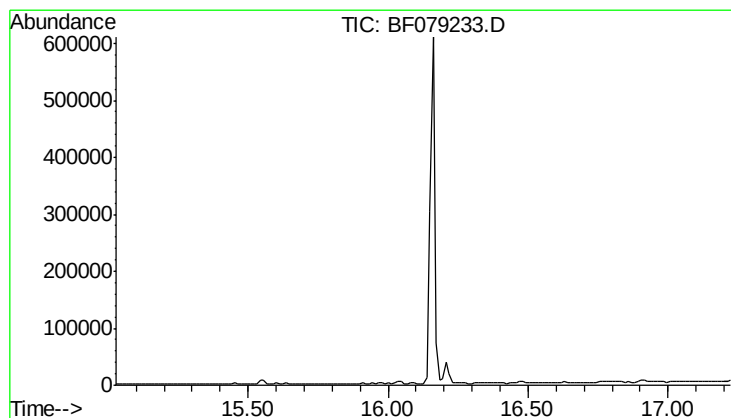
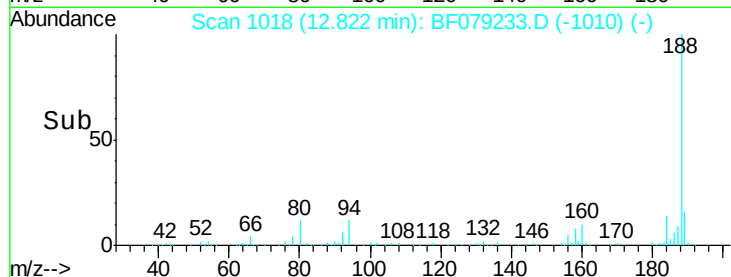
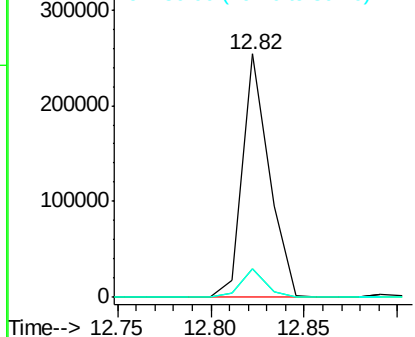
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.82 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: BF079233.D  
 Acq: 14 May 2015 11:05

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 253681  
 Ion Ratio Lower Upper  
 188 100  
 94 11.6 8.2 12.2  
 80 11.9 8.9 13.3



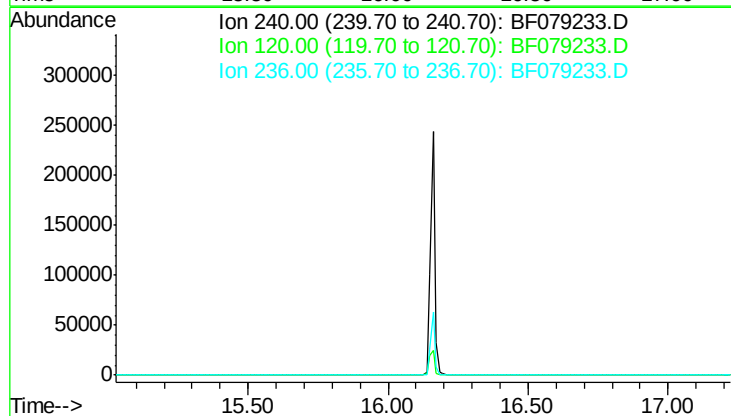
Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

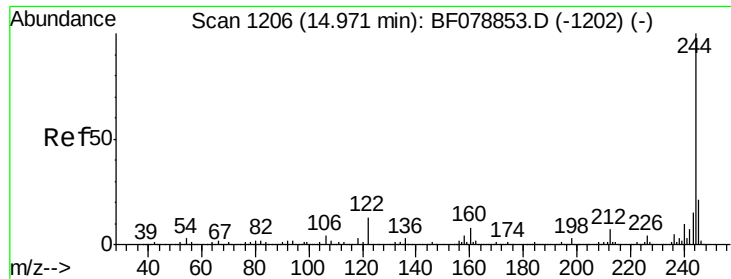


#75  
 Chrysene-d12  
 Concen: 0.00 ng  
 Expected RT: 16.13 min

Lab File: BF079233.D  
 Acq: 14 May 2015 11:05

Tgt Ion: 240  
 Sig Exp Ratio  
 240 100  
 120 12.1  
 236 25.3





#78

Terphenyl-d14

Concen: 0.00 ng

RT: 14.82 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BF079233.D

Acq: 14 May 2015 11:05

Instrument :

BNA\_F

ClientSampleId :

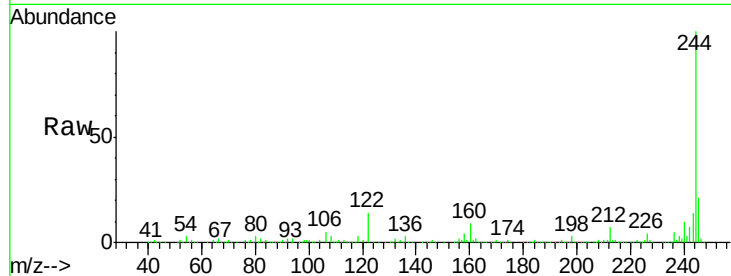
Tot Ion:244 Resp: 891950

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

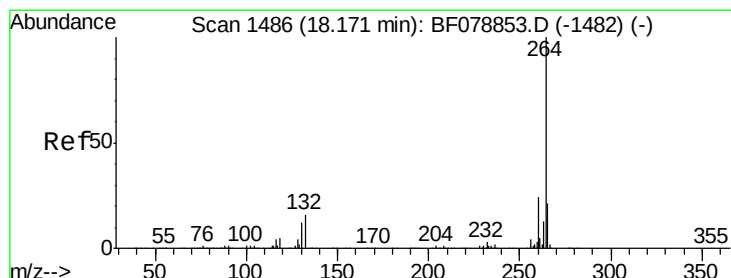
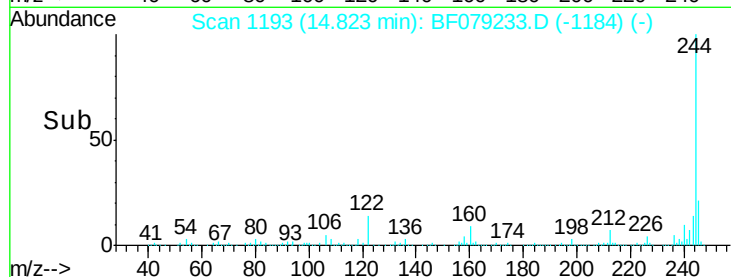
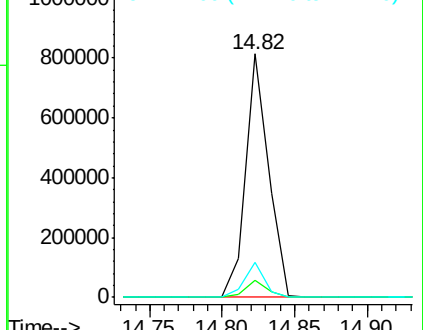
122 14.4 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.05 min Scan# 1475

Delta R.T. 0.19 min

Lab File: BF079233.D

Acq: 14 May 2015 11:05

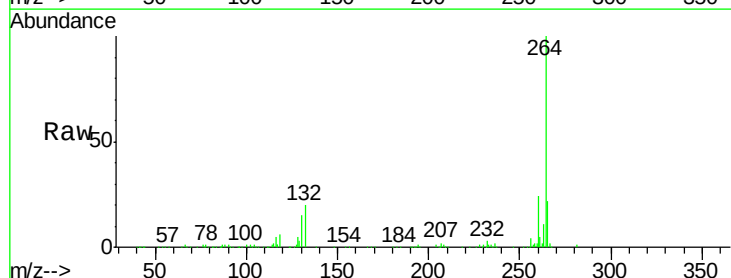
Tgt Ion:264 Resp: 278577

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.8 18.3 27.5



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

