

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\  
 Data File : BF079128.D  
 Acq On : 11 May 2015 21:08  
 Operator : TP/IZ  
 Sample : G2146-11  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FIELDBLANK

Quant Time: May 12 03:45:20 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 12 01:34:40 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.30  | 152  | 57471    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.87  | 136  | 241375   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 11.05 | 164  | 126690   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.89 | 188  | 252693   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 16.18 | 240  | 278435   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 17.92 | 264  | 297245   | 20.00  | ng    | -0.14    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 178368   | 53.42  | ng    | 0.01     |
| 7) Phenol-d6                | 6.86  | 99   | 141487   | 32.06  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.99  | 82   | 357860   | 85.21  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.03 | 330  | 192849   | 140.71 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.22 | 172  | 716818   | 78.83  | ng    | -0.01    |
| 78) Terphenyl-d14           | 14.89 | 244  | 959746   | 82.52  | ng    | -0.01    |

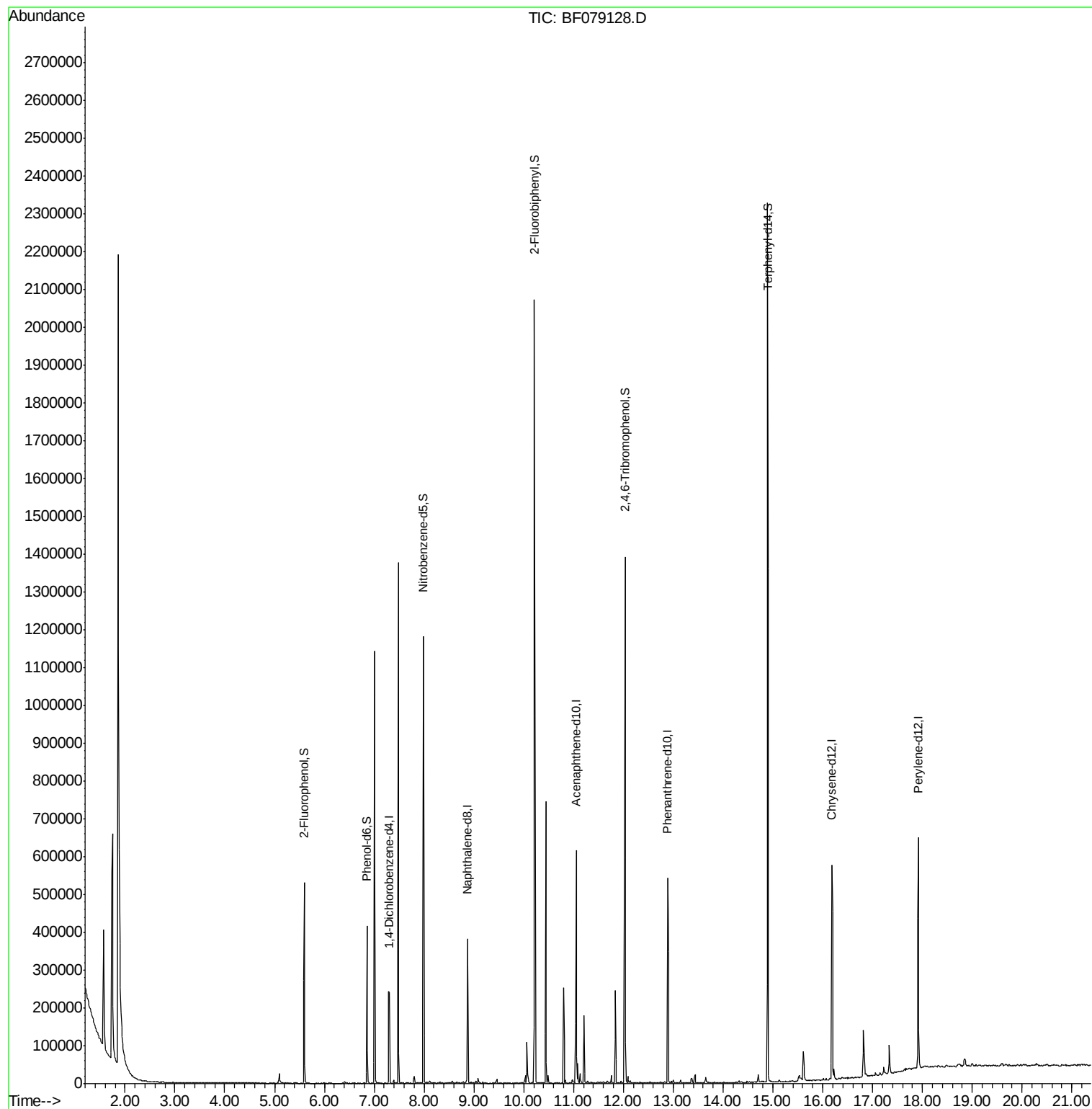
Target Compounds Qvalue

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

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Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Time: May 12 03:45:20 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
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QLast Update : Tue May 12 01:34:40 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.30 min Scan# 535

Delta R.T. -0.00 min

Lab File: BF079128.D

Acq: 11 May 2015 21:08

Instrument :

BNA\_F

ClientSampleId :

FIELDBLANK

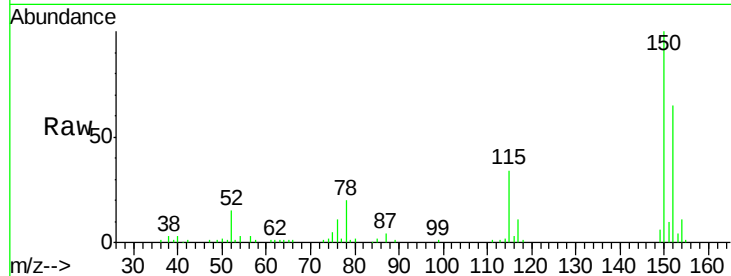
Tot Ion:152 Resp: 57471

Ion Ratio Lower Upper

152 100

150 153.2 122.0 183.0

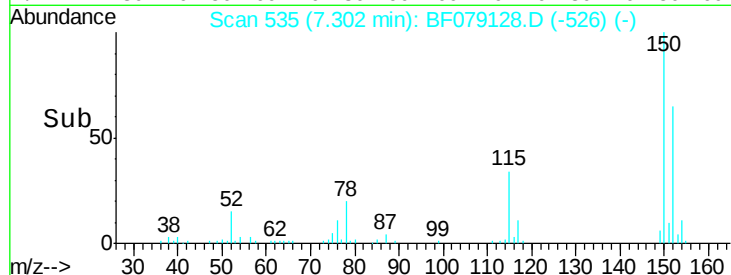
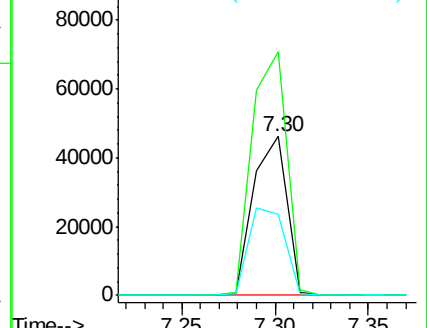
115 51.4 46.3 69.5



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: 53.42 ng

RT: 5.60 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF079128.D

Acq: 11 May 2015 21:08

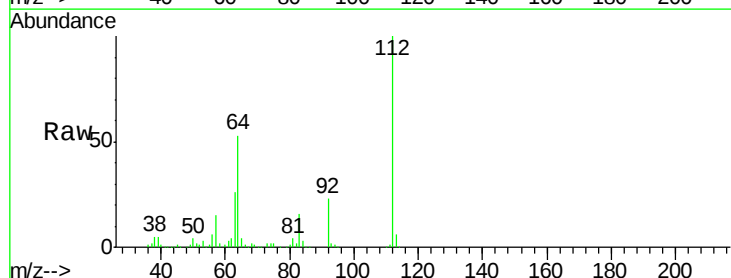
Tgt Ion:112 Resp: 178368

Ion Ratio Lower Upper

112 100

64 52.6 53.5 80.3#

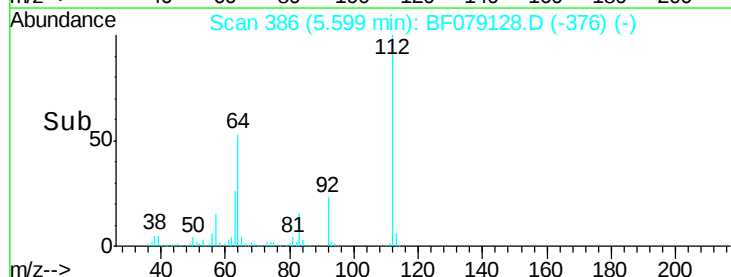
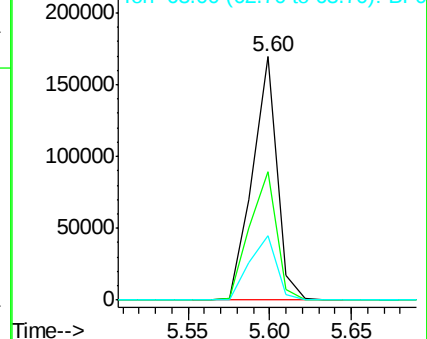
63 26.2 27.5 41.3#



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: 32.06 ng

RT: 6.86 min Scan# 496

Delta R.T. -0.00 min

Lab File: BF079128.D

Acq: 11 May 2015 21:08

Instrument :

BNA\_F

ClientSampleId :

FIELDBLANK

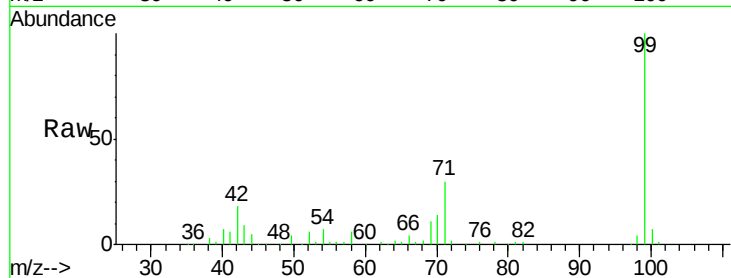
Tot Ion: 99 Resp: 141487

Ion Ratio Lower Upper

99 100

42 18.0 12.8 19.2

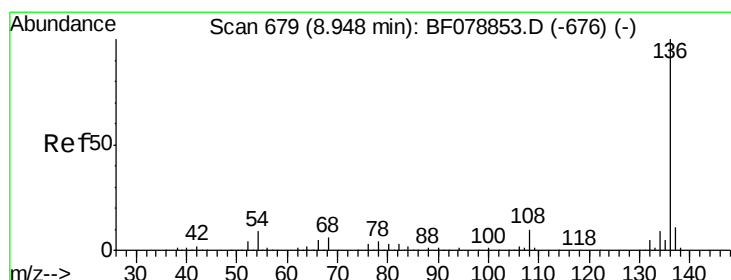
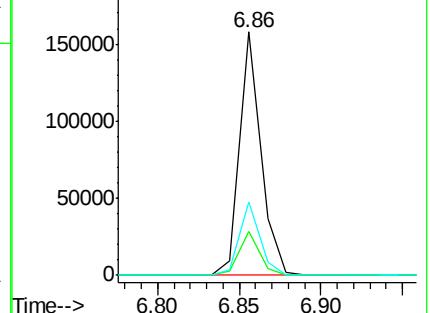
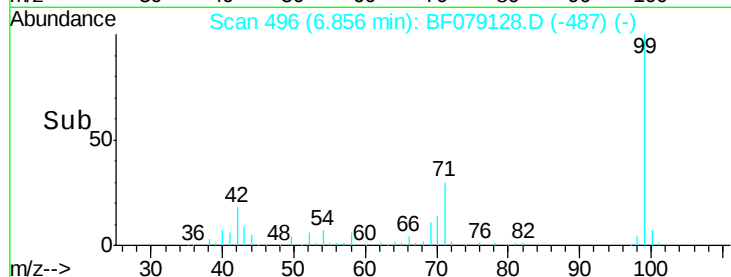
71 29.9 23.4 35.2



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: 8.87 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF079128.D

Acq: 11 May 2015 21:08

Tgt Ion: 136 Resp: 241375

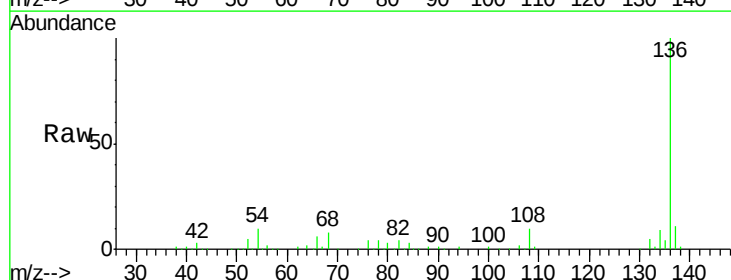
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.2 5.8 8.8#

68 7.7 4.2 6.4#

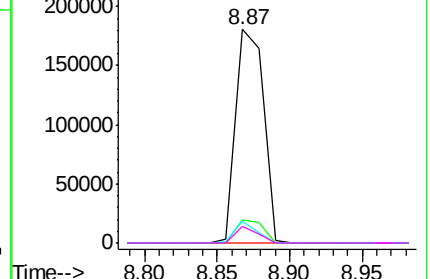
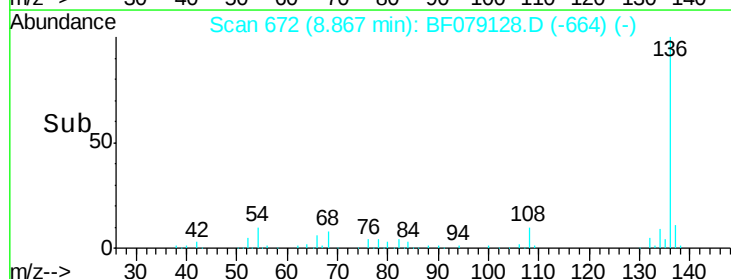


Abundance Ion 136.00 (135.70 to 136.70): E

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

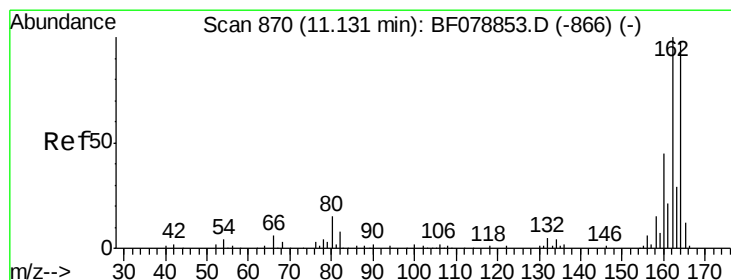
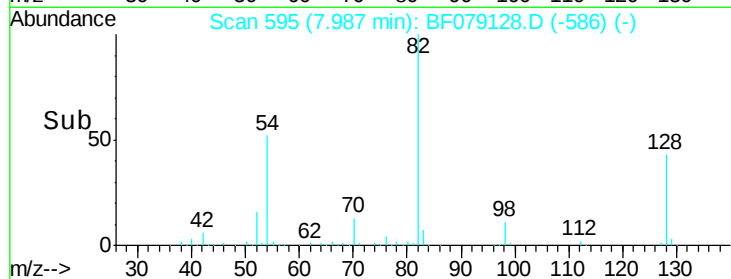
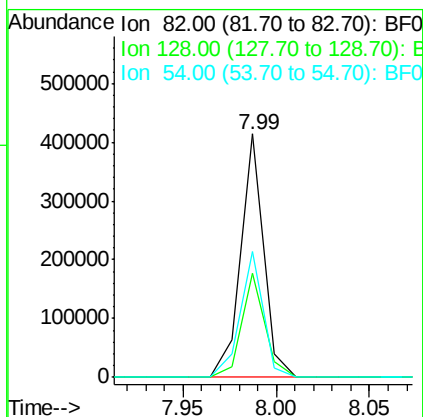
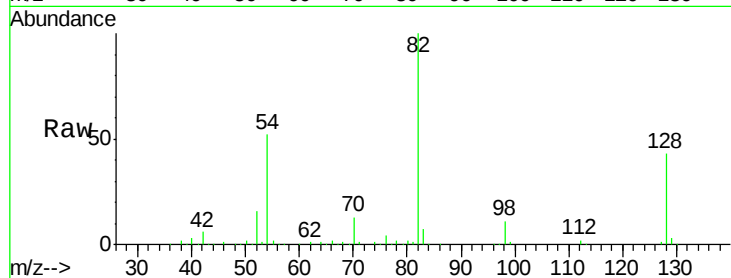




#23  
 Nitrobenzene-d5  
 Concen: 85.21 ng  
 RT: 7.99 min Scan# 595  
 Delta R.T. -0.00 min  
 Lab File: BF079128.D  
 Acq: 11 May 2015 21:08

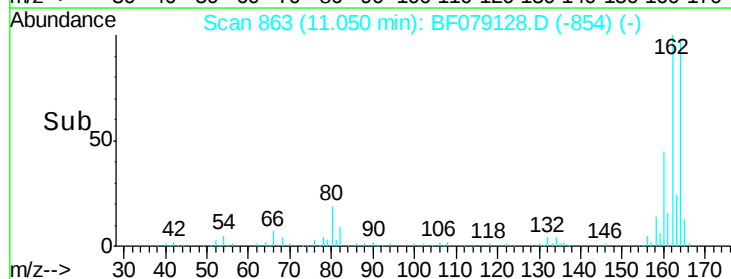
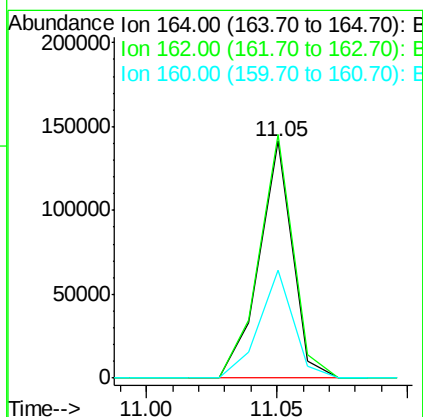
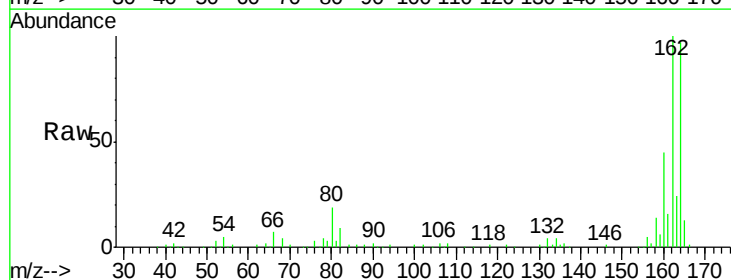
Instrument :  
 BNA\_F  
 ClientSampled :  
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| Tot Ion   | 82   | Resp  | 357860 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 43.0 | 30.0  | 45.0   |
| 54        | 51.6 | 46.4  | 69.6   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.05 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: BF079128.D  
 Acq: 11 May 2015 21:08

| Tgt Ion   | 164   | Resp  | 126690 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 102.7 | 82.7  | 124.1  |
| 160       | 45.7  | 35.8  | 53.8   |

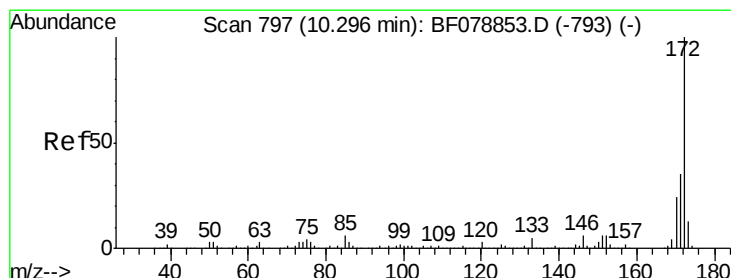
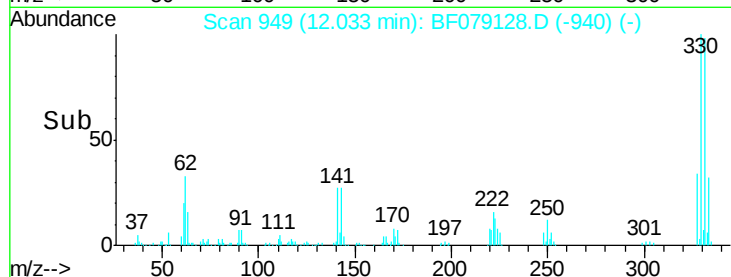
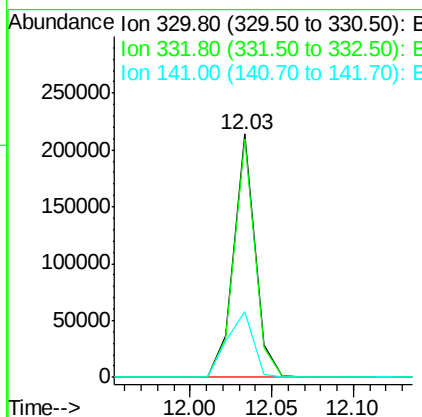
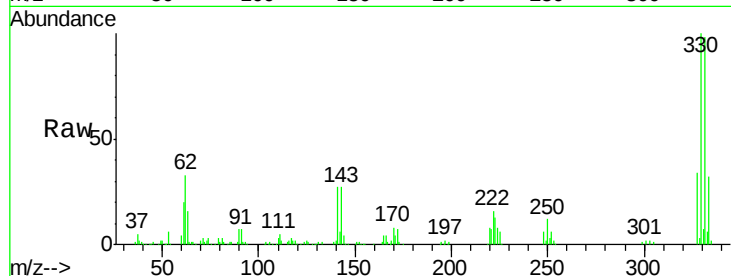




#41  
 2,4,6-Tribromophenol  
 Concen: 140.71 ng  
 RT: 12.03 min Scan# 949  
 Delta R.T. -0.00 min  
 Lab File: BF079128.D  
 Acq: 11 May 2015 21:08

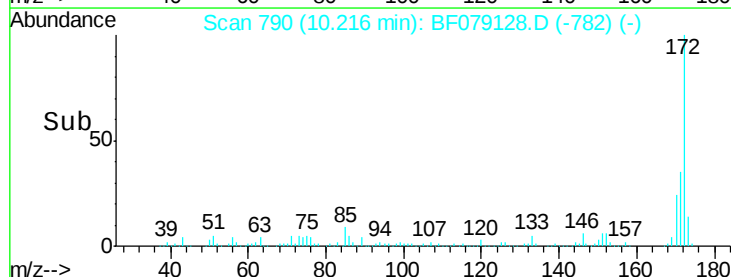
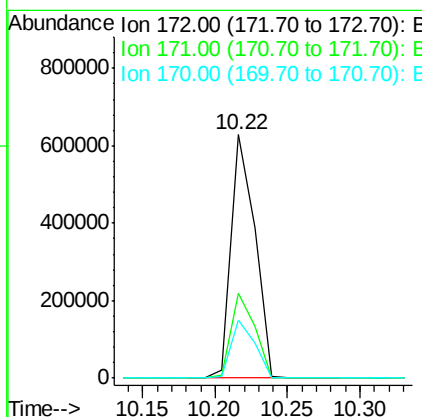
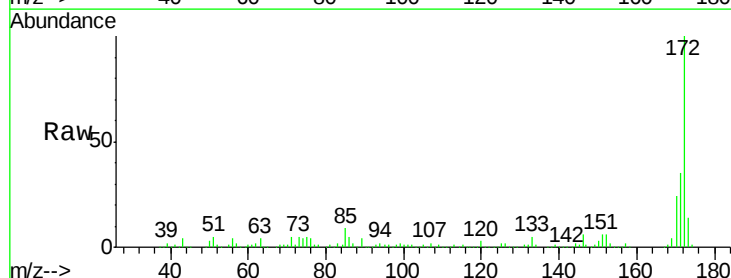
Instrument :  
 BNA\_F  
 ClientSampled :  
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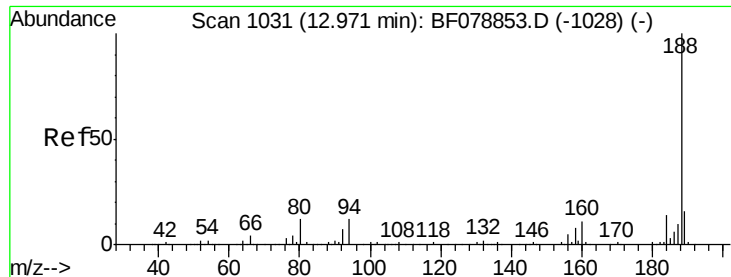
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 0.0   | 0.0#  |
| 141     | 33.2  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 78.83 ng  
 RT: 10.22 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF079128.D  
 Acq: 11 May 2015 21:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 27.9  | 41.9  |
| 170     | 24.1  | 19.4  | 29.0  |

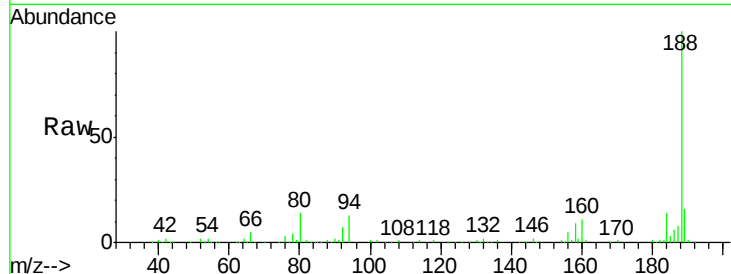




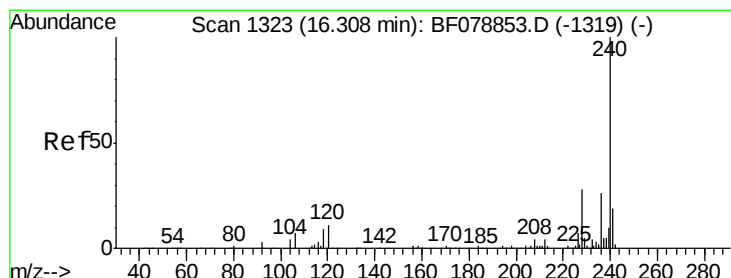
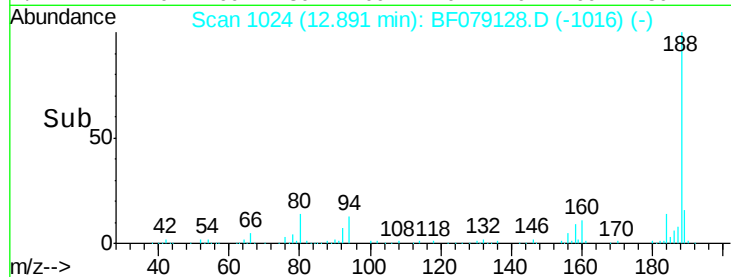
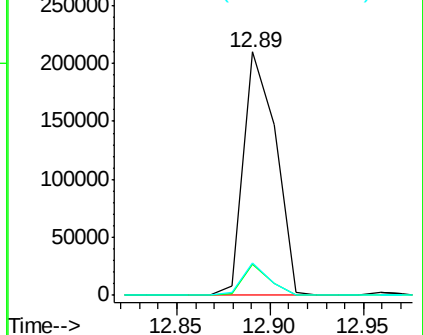
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.89 min Scan# 1024  
Delta R.T. -0.01 min  
Lab File: BF079128.D  
Acq: 11 May 2015 21:08

Instrument :  
BNA\_F  
ClientSampleId :  
FIELDBLANK

Tot Ion:188 Resp: 252693  
Ion Ratio Lower Upper  
188 100  
94 12.9 8.2 12.2#  
80 13.5 8.9 13.3#

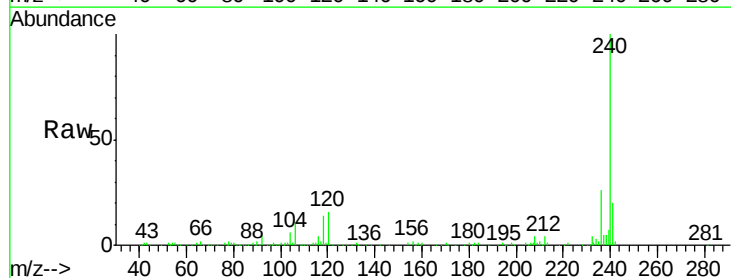


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

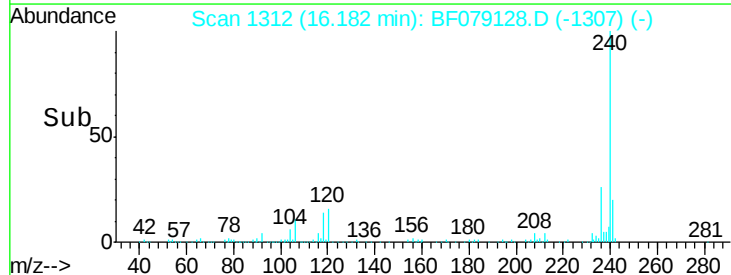
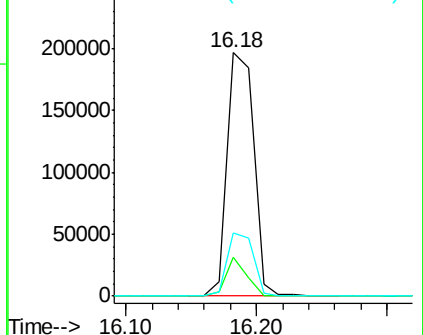


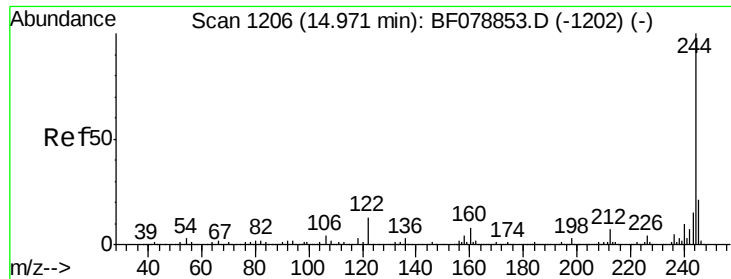
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.18 min Scan# 1312  
Delta R.T. -0.05 min  
Lab File: BF079128.D  
Acq: 11 May 2015 21:08

Tgt Ion:240 Resp: 278435  
Ion Ratio Lower Upper  
240 100  
120 16.1 9.7 14.5#  
236 25.8 20.2 30.4



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: 82.52 ng

RT: 14.89 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF079128.D

Acq: 11 May 2015 21:08

Instrument :

BNA\_F

ClientSampleId :

FIELDBLANK

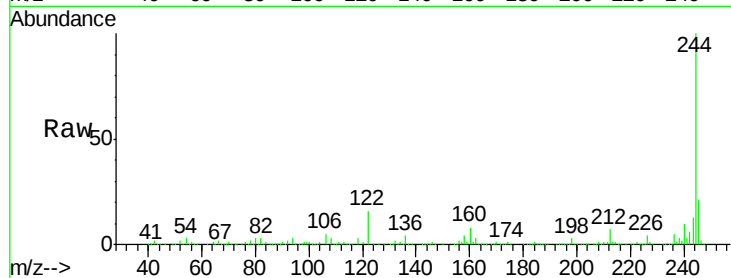
Tot Ion:244 Resp: 959746

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

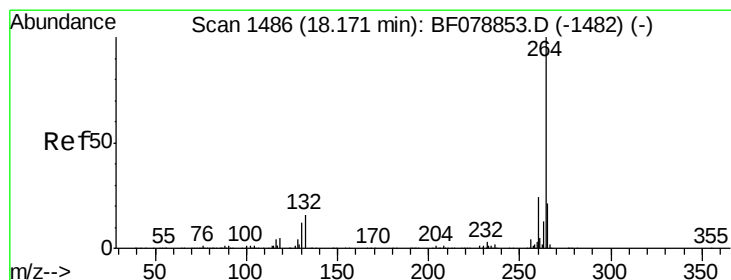
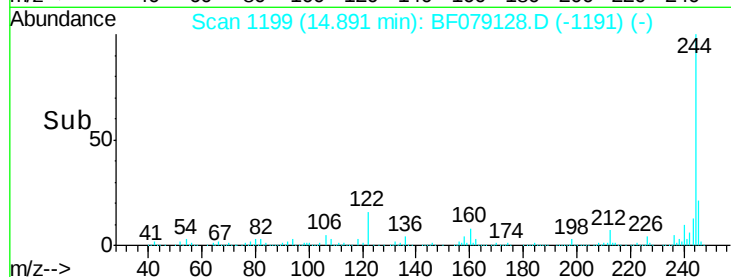
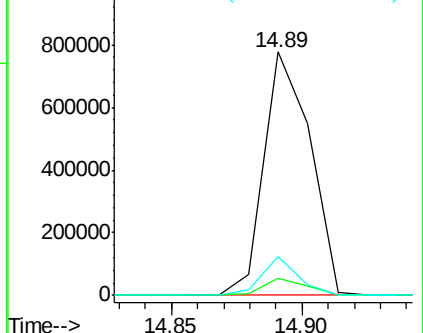
122 15.7 10.3 15.5#



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: 17.92 min Scan# 1464

Delta R.T. -0.14 min

Lab File: BF079128.D

Acq: 11 May 2015 21:08

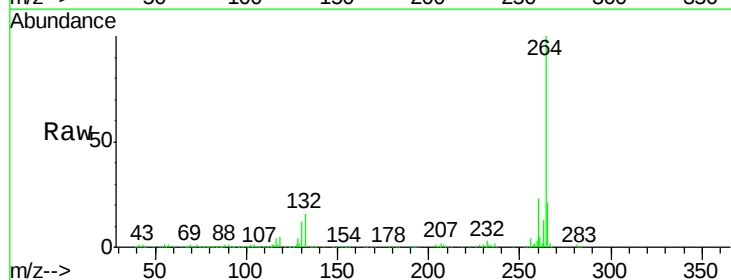
Tgt Ion:264 Resp: 297245

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 21.4 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

