

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021115\  
 Data File : BF077260.D  
 Acq On : 11 Feb 2015 18:43  
 Operator : TP/IZ  
 Sample : G1260-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PPG-BF-TIL-MH-2015

Quant Time: Feb 12 00:07:01 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 10 13:30:38 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.54  | 152  | 63882    | 20.00 | ng    | -0.06    |
| 21) Naphthalene-d8          | 10.45 | 136  | 262595   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10        | 14.57 | 164  | 132861   | 20.00 | ng    | -0.06    |
| 63) Phenanthrene-d10        | 17.47 | 188  | 238033   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12            | 20.98 | 240  | 220138   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 22.60 | 264  | 200090   | 20.00 | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.54  | 112  | 112232   | 28.89 | ng    | -0.05    |
| 7) Phenol-d6                | 6.97  | 99   | 154094   | 31.44 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 94059    | 19.84 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 16.34 | 330  | 31796    | 29.48 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 13.11 | 172  | 205934   | 23.59 | ng    | -0.06    |
| 78) Terphenyl-d14           | 19.72 | 244  | 207516   | 21.70 | ng    | -0.03    |

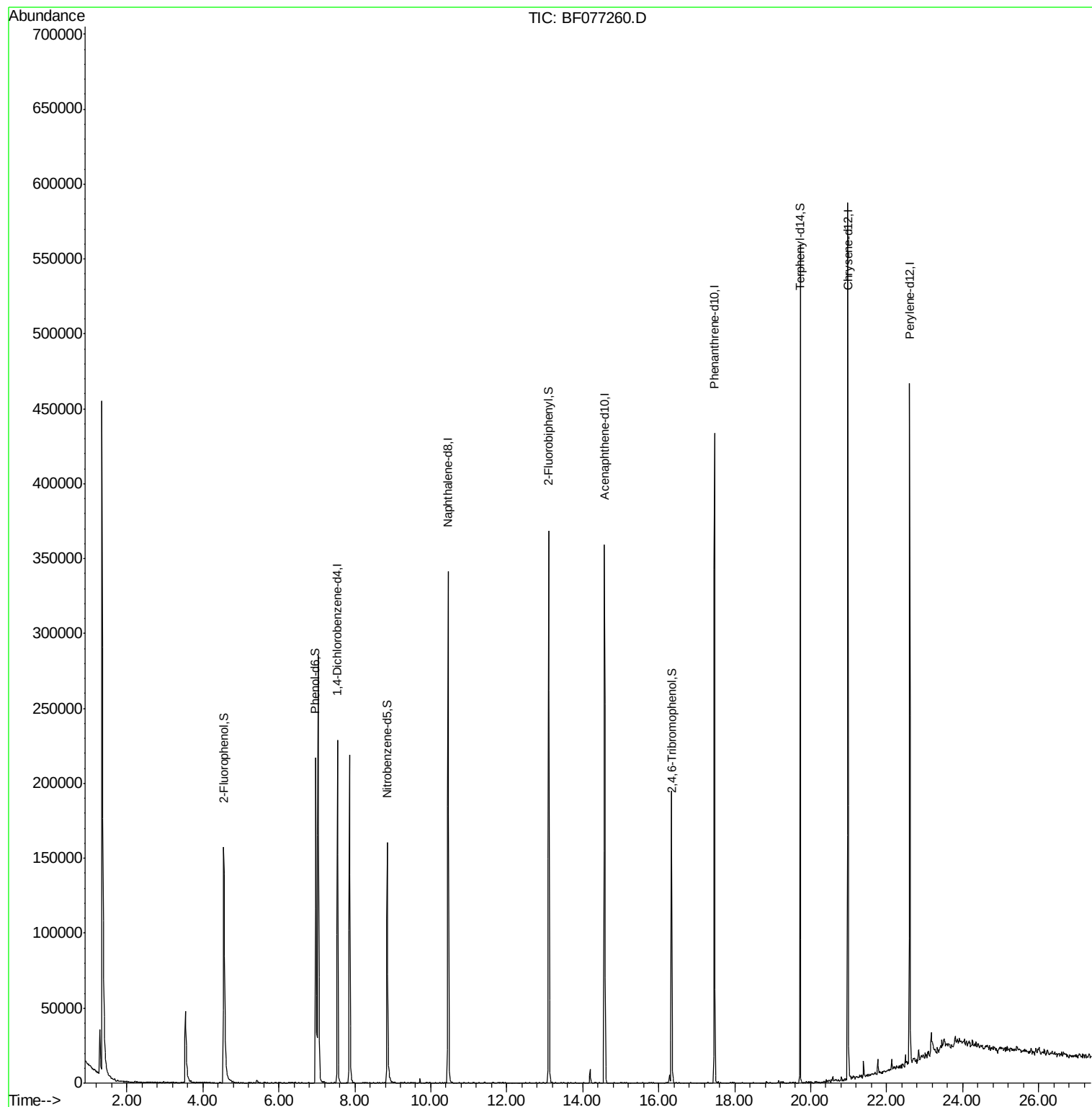
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

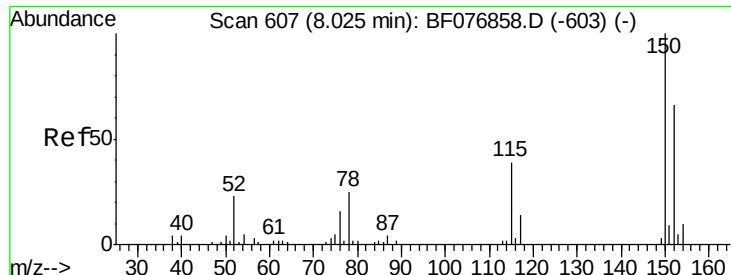
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021115\  
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Sample : G1260-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PPG-BF-TIL-MH-2015

Quant Time: Feb 12 00:07:01 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 10 13:30:38 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.54 min Scan# 582

Delta R.T. -0.06 min

Lab File: BF077260.D

Acq: 11 Feb 2015 18:43

Instrument :

BNA\_F

ClientSampleId :

PPG-BF-TIL-MH-2015

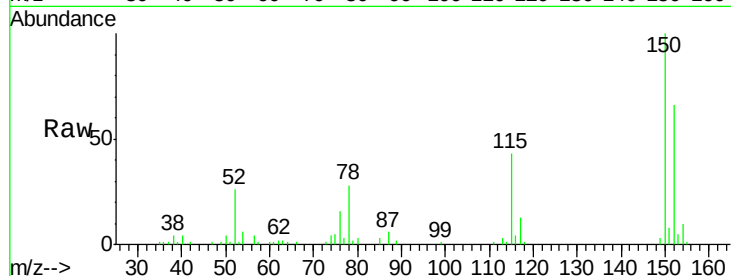
Tgt Ion:152 Resp: 63882

Ion Ratio Lower Upper

152 100

150 151.3 121.7 182.5

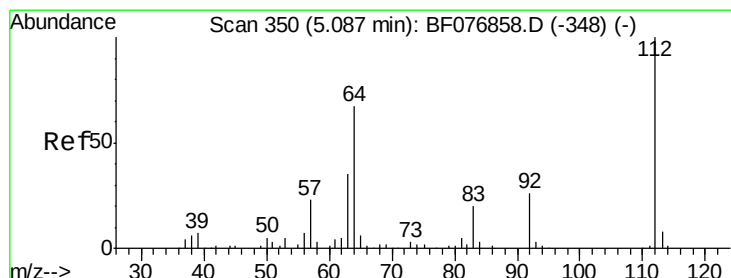
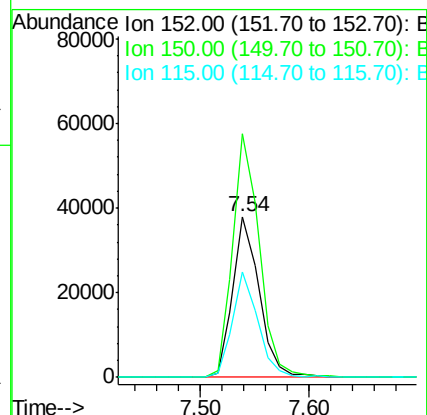
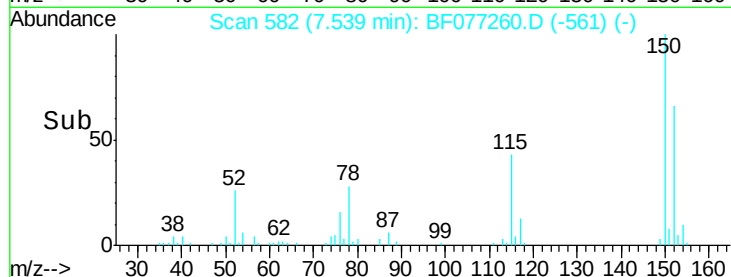
115 65.8 47.0 70.6



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: 28.89 ng

RT: 4.54 min Scan# 320

Delta R.T. -0.05 min

Lab File: BF077260.D

Acq: 11 Feb 2015 18:43

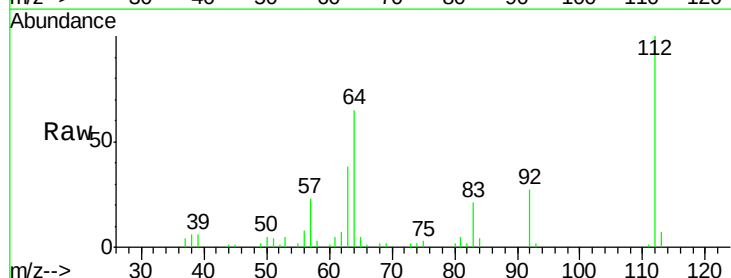
Tgt Ion:112 Resp: 112232

Ion Ratio Lower Upper

112 100

64 64.5 54.2 81.4

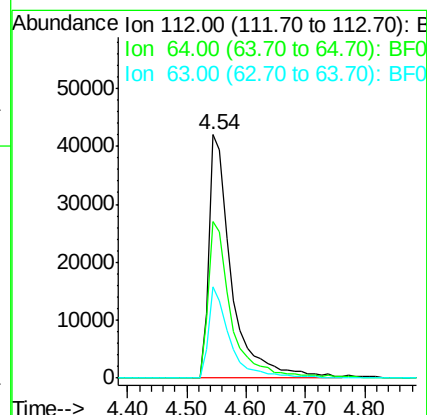
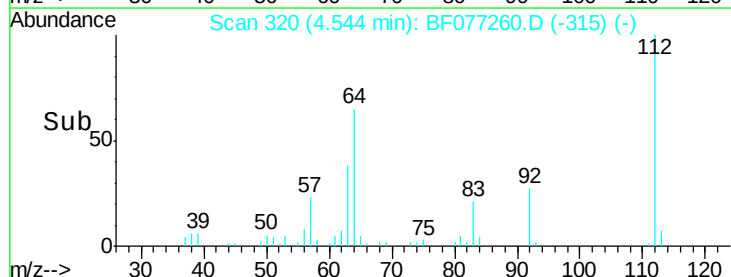
63 37.7 28.4 42.6

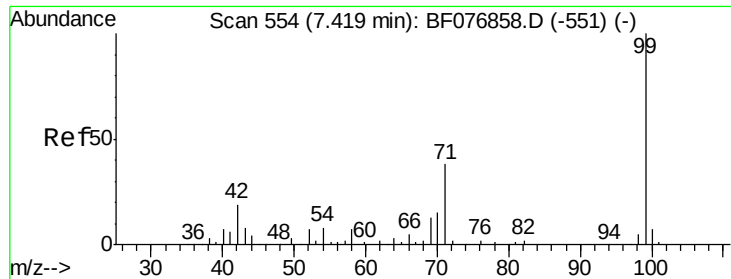


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.44 ng

RT: 6.97 min Scan# 532

Delta R.T. -0.05 min

Lab File: BF077260.D

Acq: 11 Feb 2015 18:43

Instrument :

BNA\_F

ClientSampleId :

PPG-BF-TIL-MH-2015

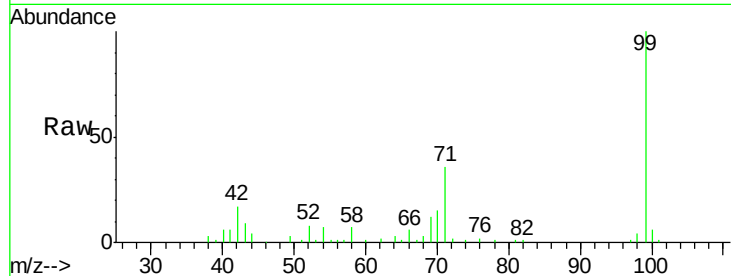
Tgt Ion: 99 Resp: 154094

Ion Ratio Lower Upper

99 100

42 17.4 15.0 22.4

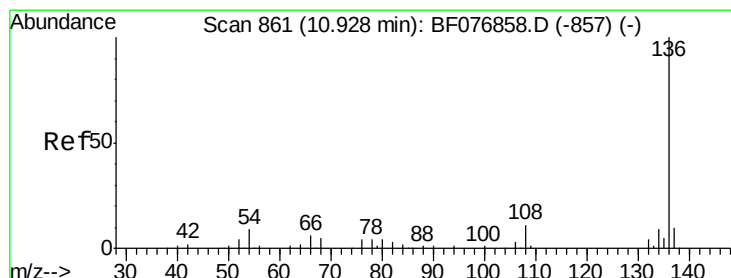
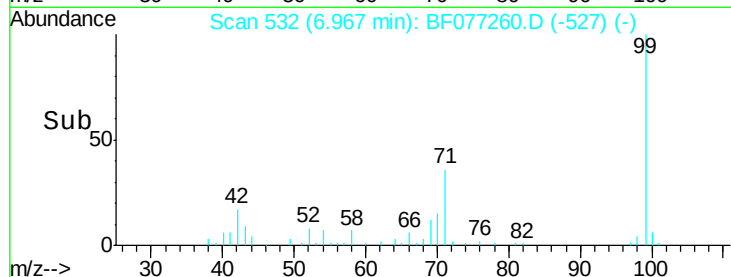
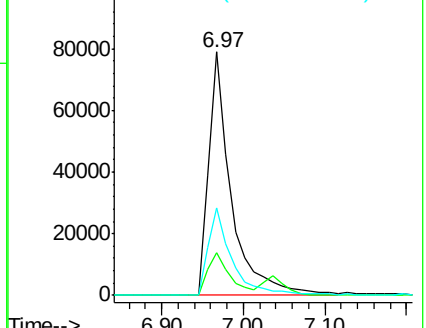
71 36.0 30.5 45.7



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: 10.45 min Scan# 837

Delta R.T. -0.05 min

Lab File: BF077260.D

Acq: 11 Feb 2015 18:43

Tgt Ion: 136 Resp: 262595

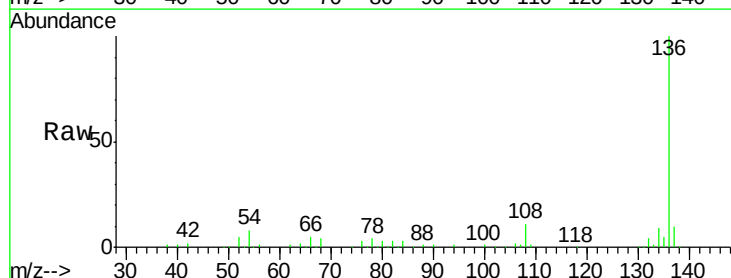
Ion Ratio Lower Upper

136 100

137 10.2 8.1 12.1

54 8.1 7.0 10.4

68 4.2 3.7 5.5

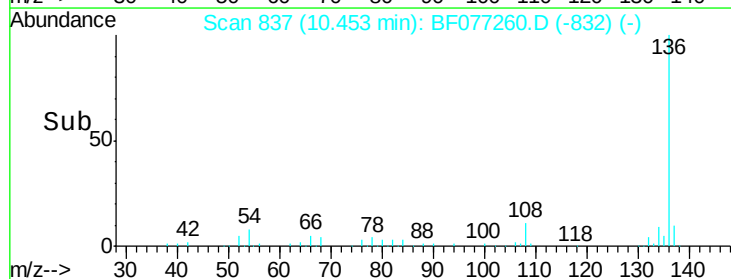
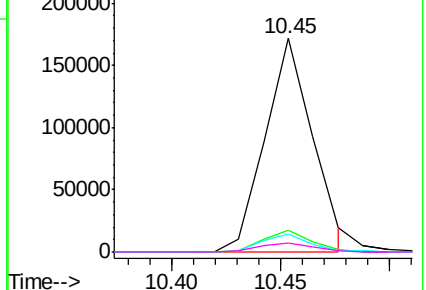


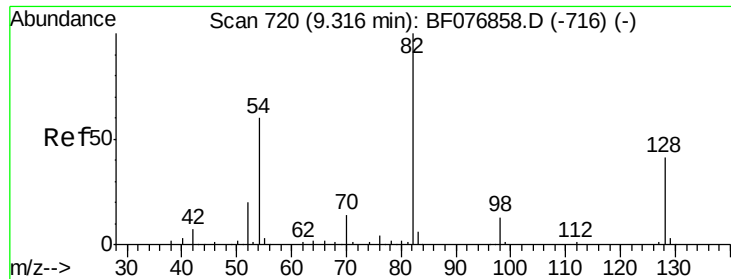
Abundance Ion 136.00 (135.70 to 136.70): E

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

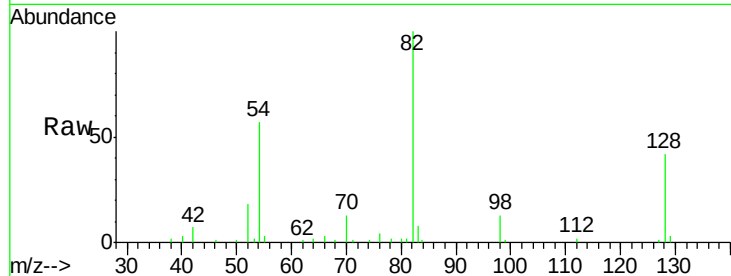




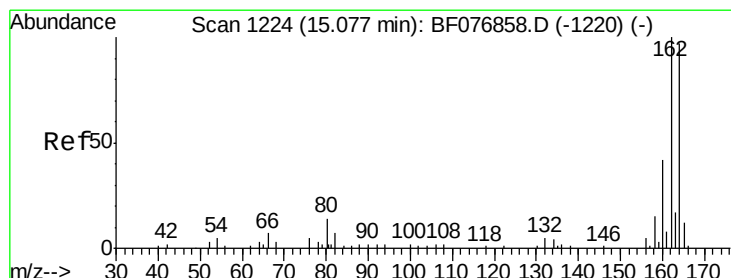
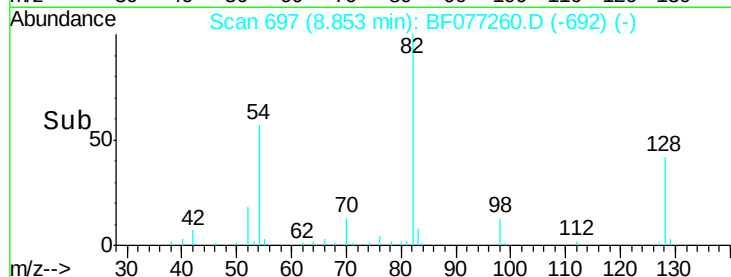
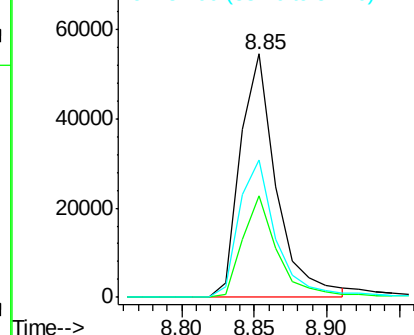
#23  
 Nitrobenzene-d5  
 Concen: 19.84 ng  
 RT: 8.85 min Scan# 697  
 Delta R.T. -0.05 min  
 Lab File: BF077260.D  
 Acq: 11 Feb 2015 18:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PPG-BF-TIL-MH-2015

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.7  | 33.1  | 49.7  |
| 54      | 56.5  | 48.3  | 72.5  |

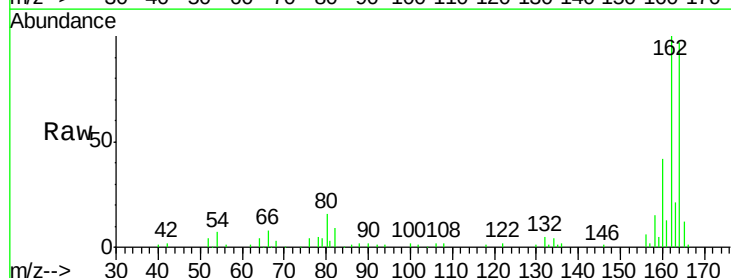


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

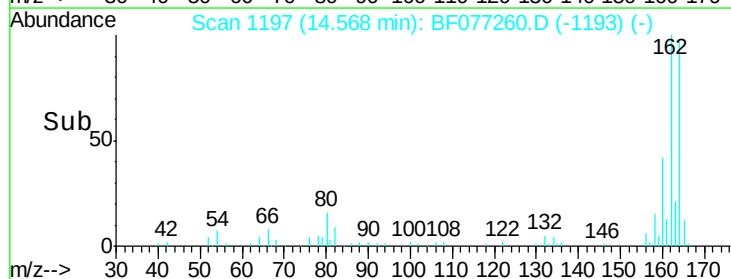
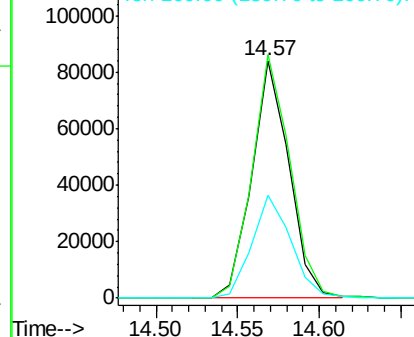


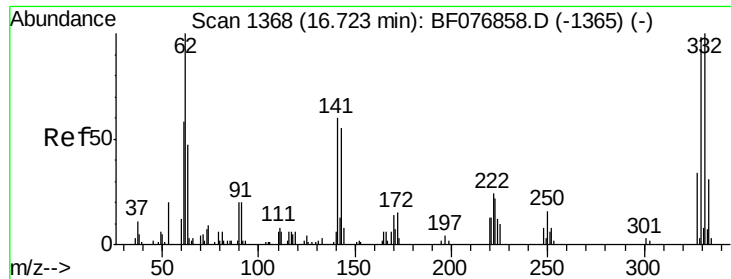
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.57 min Scan# 1197  
 Delta R.T. -0.06 min  
 Lab File: BF077260.D  
 Acq: 11 Feb 2015 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 82.4  | 123.6 |
| 160     | 43.1  | 34.8  | 52.2  |



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

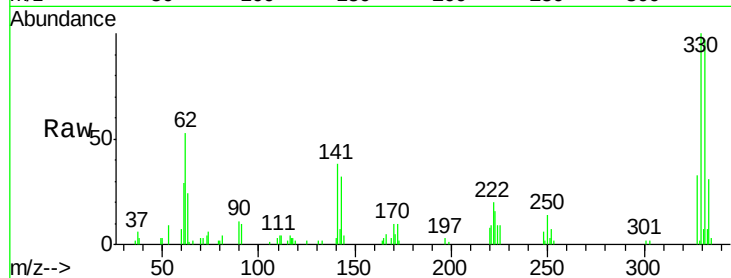




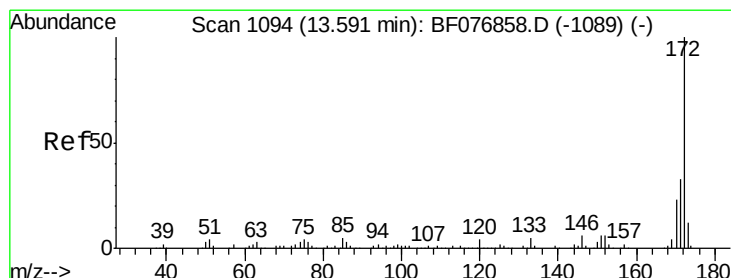
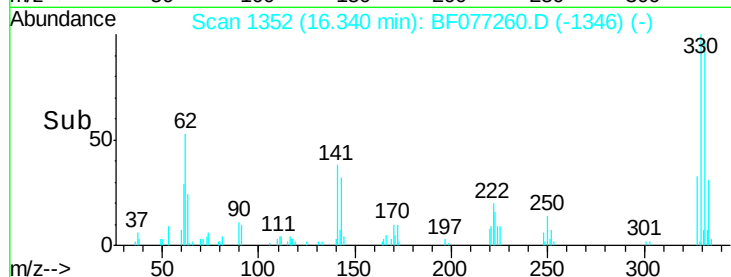
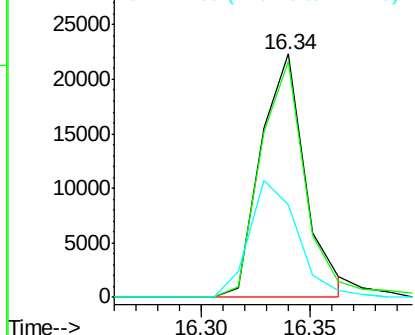
#41  
 2,4,6-Tribromophenol  
 Concen: 29.48 ng  
 RT: 16.34 min Scan# 1352  
 Delta R.T. -0.03 min  
 Lab File: BF077260.D  
 Acq: 11 Feb 2015 18:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PPG-BF-TIL-MH-2015

Tgt Ion:330 Resp: 31796  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.8 116.6  
 141 52.3 38.5 57.7

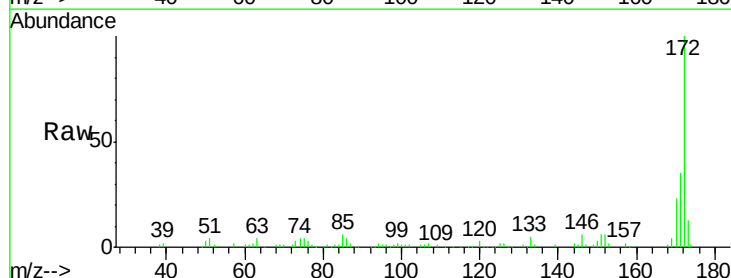


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

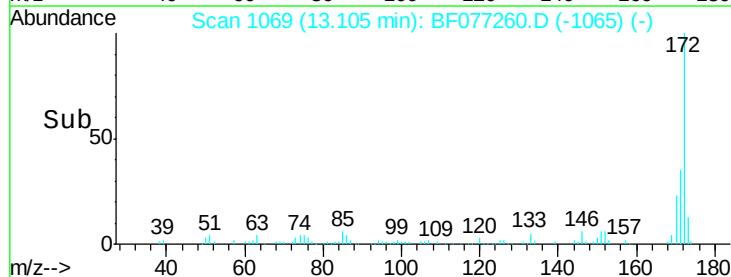
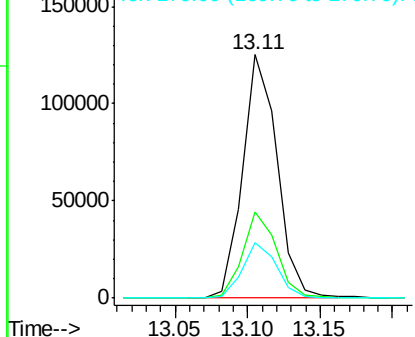


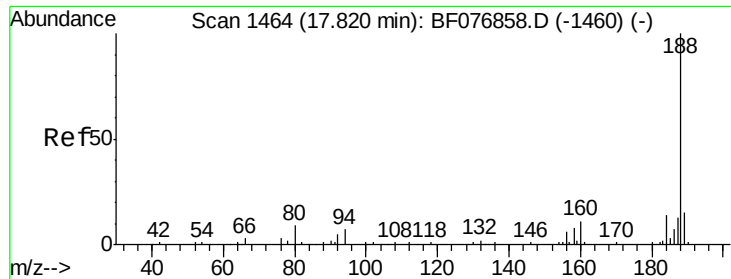
#44  
 2-Fluorobiphenyl  
 Concen: 23.59 ng  
 RT: 13.11 min Scan# 1069  
 Delta R.T. -0.06 min  
 Lab File: BF077260.D  
 Acq: 11 Feb 2015 18:43

Tgt Ion:172 Resp: 205934  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 26.6 40.0  
 170 22.6 18.0 27.0



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

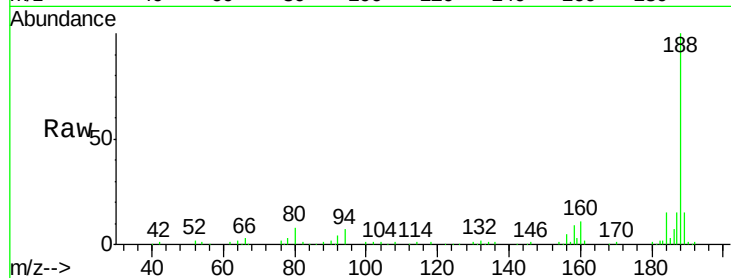




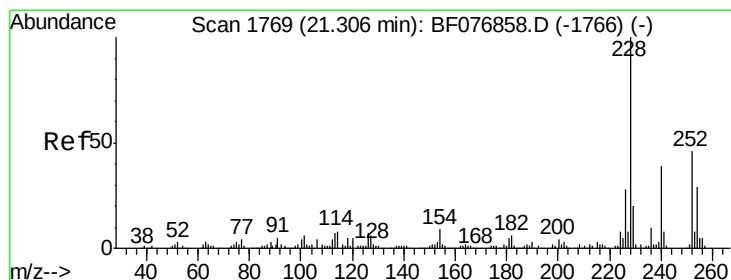
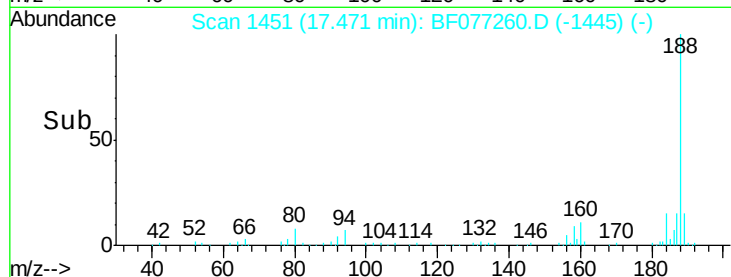
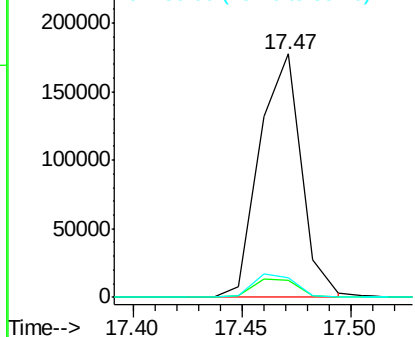
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.47 min Scan# 1451  
Delta R.T. -0.03 min  
Lab File: BF077260.D  
Acq: 11 Feb 2015 18:43

Instrument :  
BNA\_F  
ClientSampleId :  
PPG-BF-TIL-MH-2015

Tgt Ion:188 Resp: 238033  
Ion Ratio Lower Upper  
188 100  
94 7.2 6.0 9.0  
80 7.8 6.9 10.3

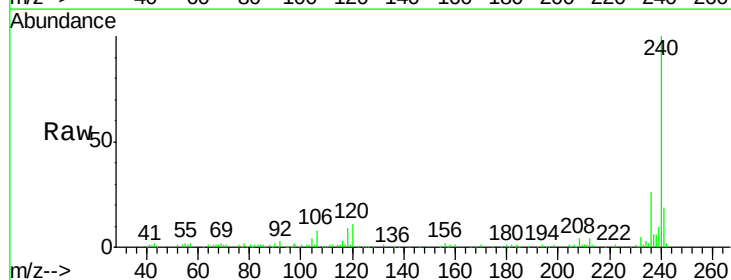


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

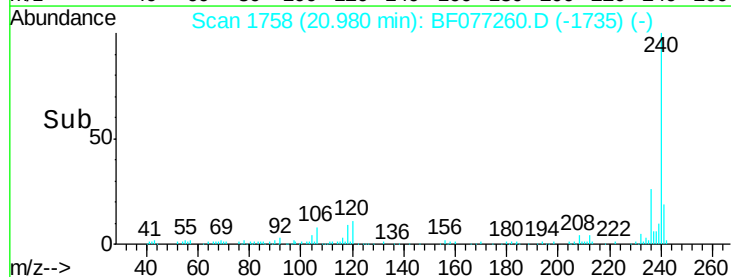
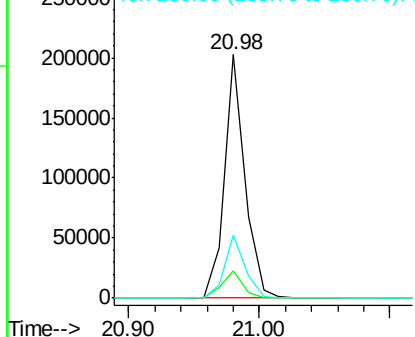


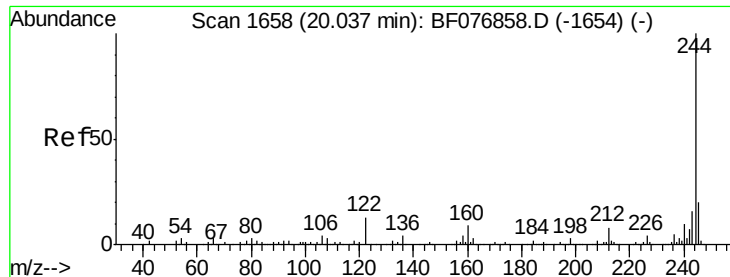
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 20.98 min Scan# 1758  
Delta R.T. -0.03 min  
Lab File: BF077260.D  
Acq: 11 Feb 2015 18:43

Tgt Ion:240 Resp: 220138  
Ion Ratio Lower Upper  
240 100  
120 11.0 10.4 15.6  
236 26.0 20.2 30.2



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: 21.70 ng

RT: 19.72 min Scan# 1648

Delta R.T. -0.03 min

Lab File: BF077260.D

Acq: 11 Feb 2015 18:43

Instrument :

BNA\_F

ClientSampleId :

PPG-BF-TIL-MH-2015

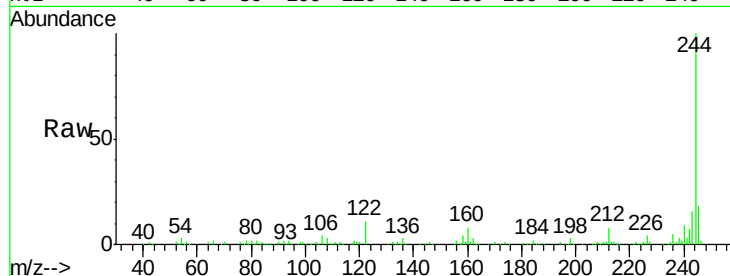
Tgt Ion:244 Resp: 207516

Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

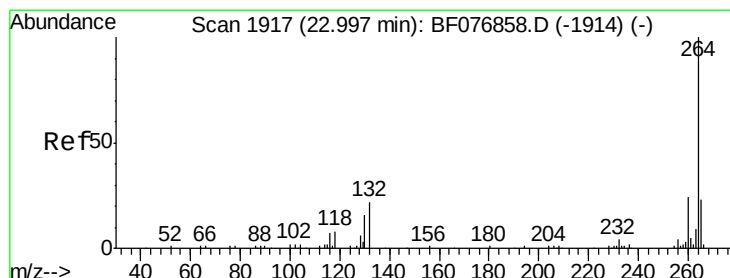
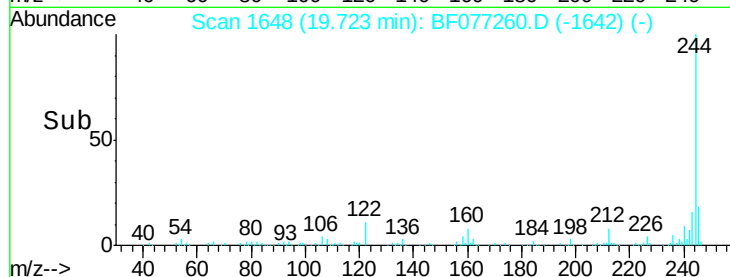
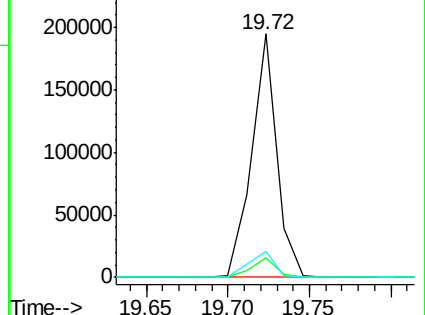
122 10.8 10.1 15.1



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: 22.60 min Scan# 1900

Delta R.T. -0.06 min

Lab File: BF077260.D

Acq: 11 Feb 2015 18:43

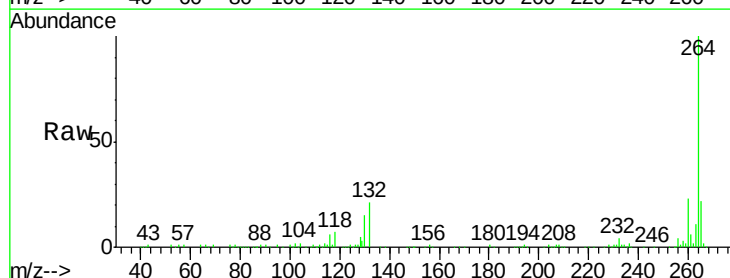
Tgt Ion:264 Resp: 200090

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 22.4 18.1 27.1



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

