

Data Path : Z:\HPCHEM1\BNA F\Data\BF011615\  
 Data File : BF076917.D  
 Acq On : 16 Jan 2015 20:13  
 Operator : IZ / TP  
 Sample : G1080-03  
 Misc : W  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 16 22:58:25 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 16 21:57:04 2015  
 Response via : Initial Calibration

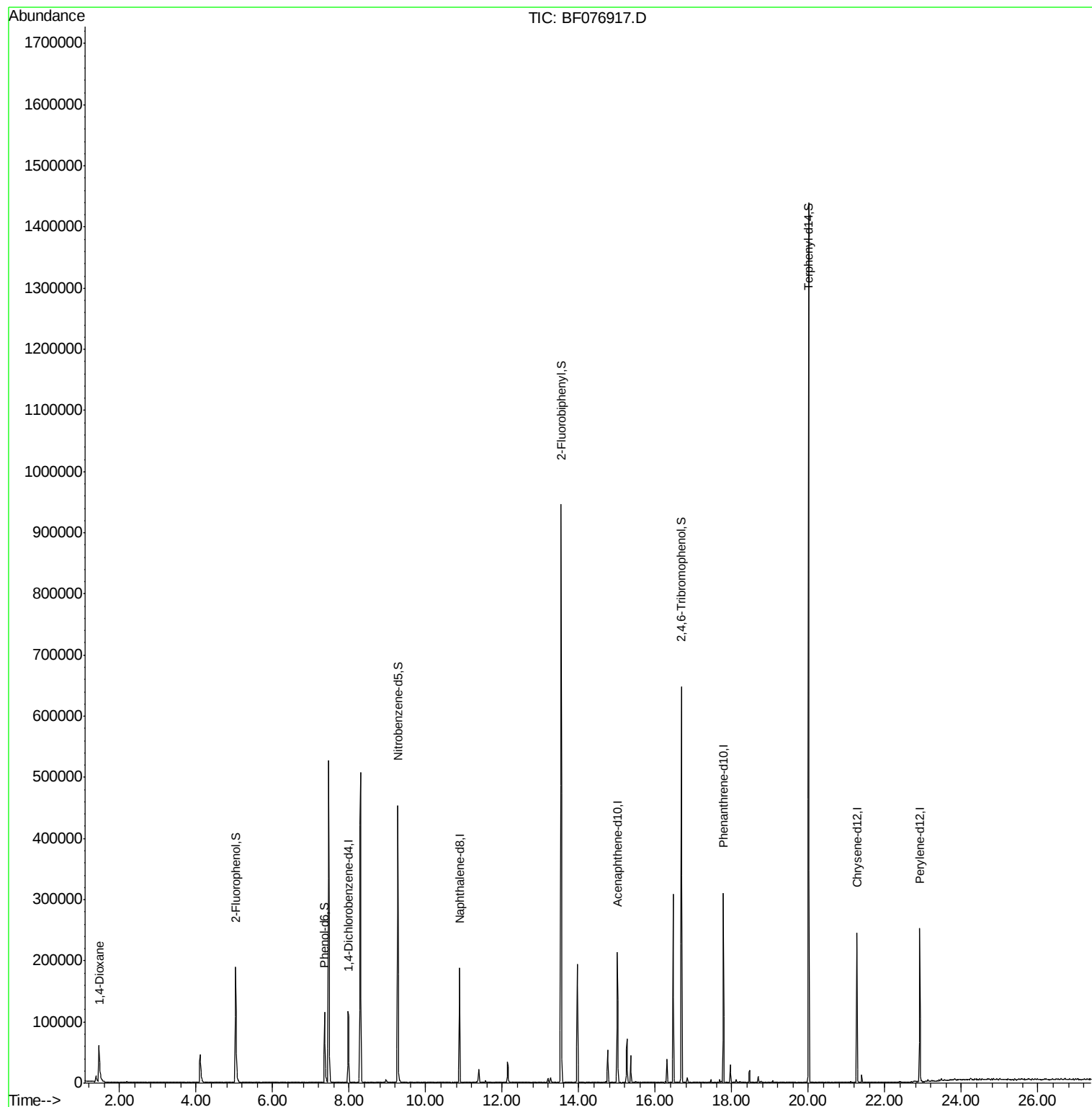
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.98  | 152  | 34242    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.88 | 136  | 148294   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 15.01 | 164  | 81208    | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 17.77 | 188  | 138141   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.27 | 240  | 130707   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 22.91 | 264  | 114718   | 20.00  | ng    | -0.05          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.03  | 112  | 97531    | 46.83  | ng    | -0.01          |
| 7) Phenol-d6                | 7.36  | 99   | 70248    | 26.74  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 232320   | 86.79  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 16.68 | 330  | 89582    | 135.90 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 481749   | 90.28  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.00 | 244  | 513754   | 90.49  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 2) 1,4-Dioxane              | 1.46  | 88   | 3303     | 3.70   | ng    | Qvalue<br># 12 |

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

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
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QLast Update : Fri Jan 16 21:57:04 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.98 min Scan# 603

Delta R.T. -0.00 min

Lab File: BF076917.D

Acq: 16 Jan 2015 20:13

Instrument :

BNA\_F

ClientSampleId :

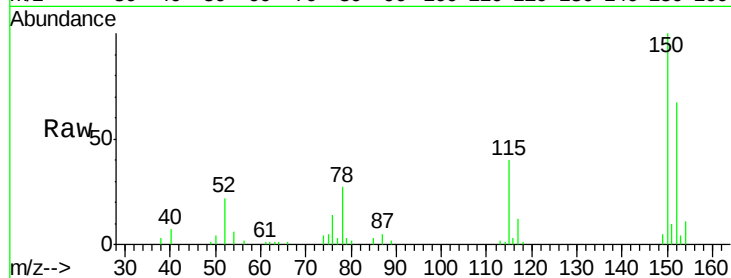
Tot Ion:152 Resp: 34242

Ion Ratio Lower Upper

152 100

150 150.3 121.7 182.5

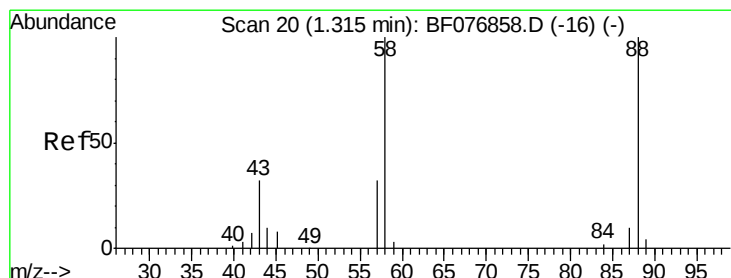
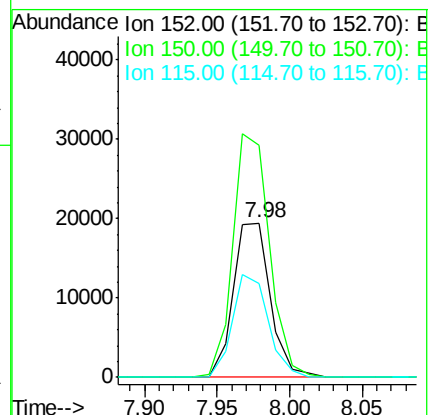
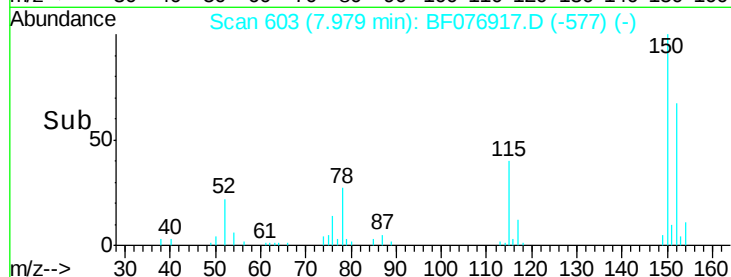
115 60.7 47.0 70.6



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



#2

1,4-Dioxane

Concen: 3.70 ng

RT: 1.46 min Scan# 33

Delta R.T. 0.18 min

Lab File: BF076917.D

Acq: 16 Jan 2015 20:13

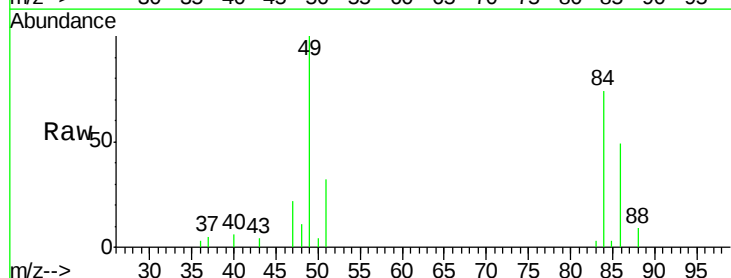
Tgt Ion: 88 Resp: 3303

Ion Ratio Lower Upper

88 100

58 0.0 77.0 115.4#

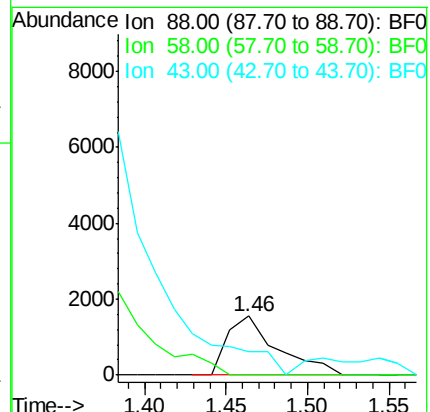
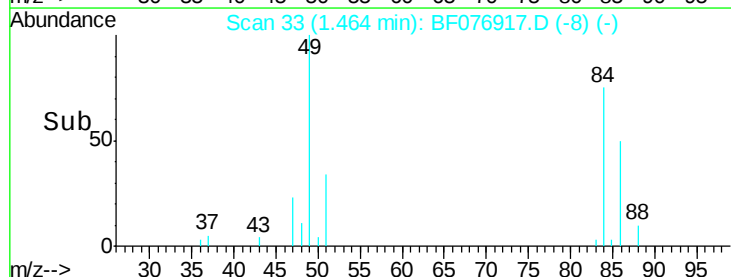
43 0.0 25.6 38.4#

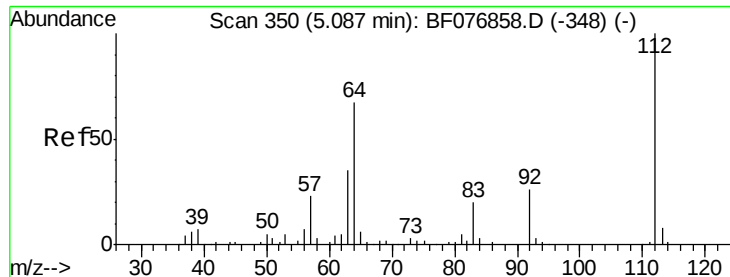


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 46.83 ng

RT: 5.03 min Scan# 345

Delta R.T. -0.01 min

Lab File: BF076917.D

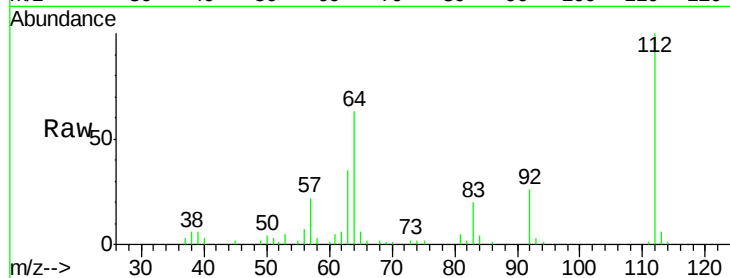
Acq: 16 Jan 2015 20:13

Instrument :

BNA\_F

ClientSampleId :

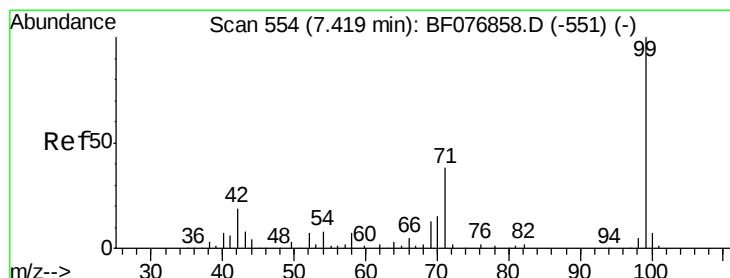
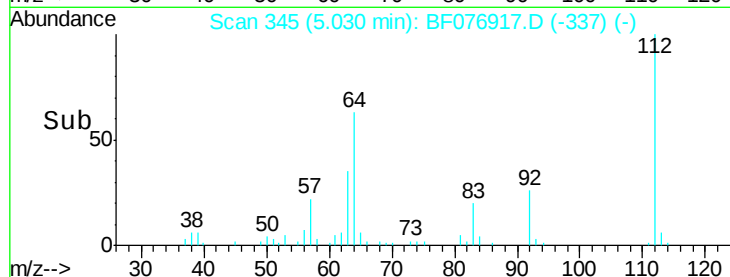
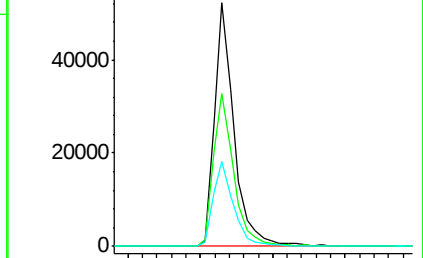
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 112   | Resp: | 97531 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 62.5  | 54.2  | 81.4  |
| 63       | 35.1  | 28.4  | 42.6  |



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: 26.74 ng

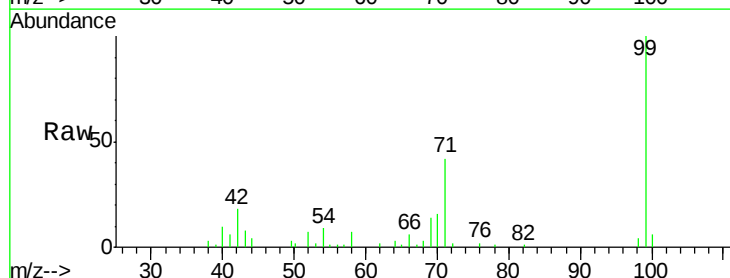
RT: 7.36 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF076917.D

Acq: 16 Jan 2015 20:13

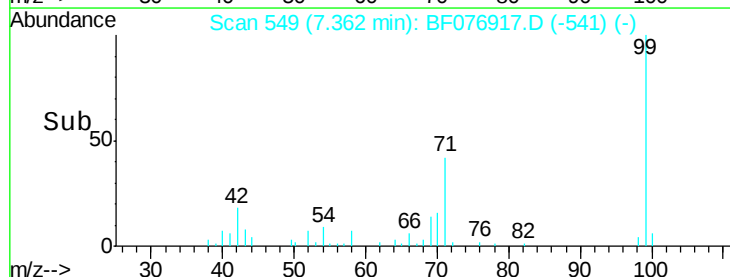
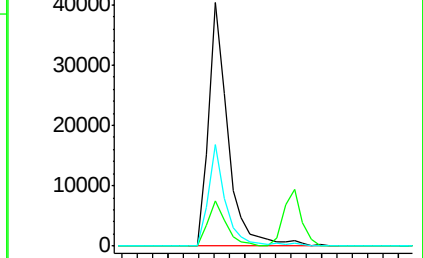
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 70248 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 18.4  | 15.0  | 22.4  |
| 71       | 41.5  | 30.5  | 45.7  |



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

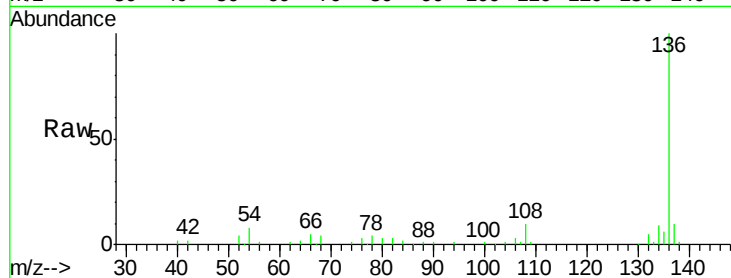




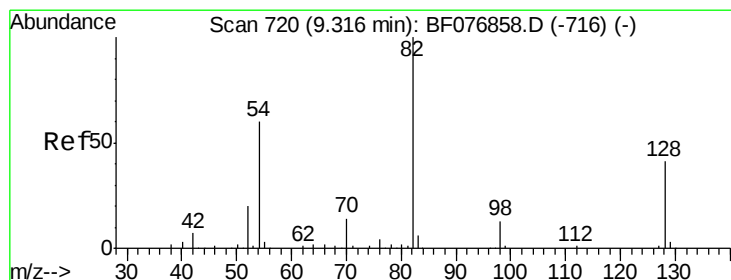
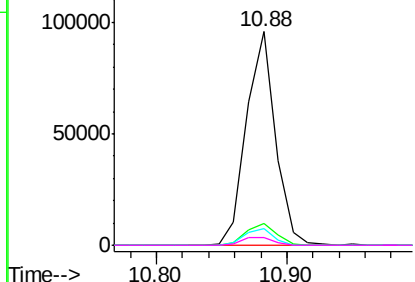
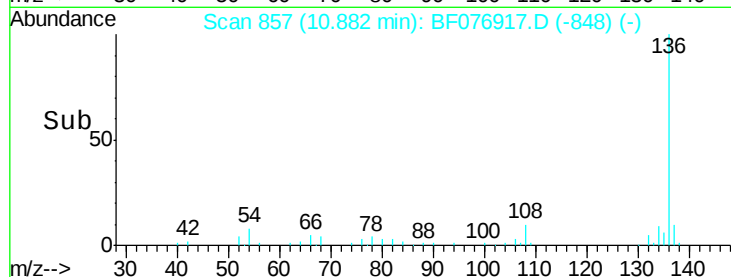
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.88 min Scan# 857  
Delta R.T. -0.00 min  
Lab File: BF076917.D  
Acq: 16 Jan 2015 20:13

Instrument :  
BNA\_F  
ClientSampled :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 148294      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.1  | 8.1 12.1    |
| 54          | 7.9   | 7.0 10.4    |
| 68          | 3.9   | 3.7 5.5     |

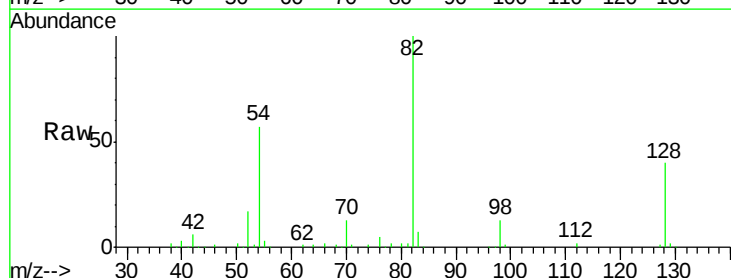


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

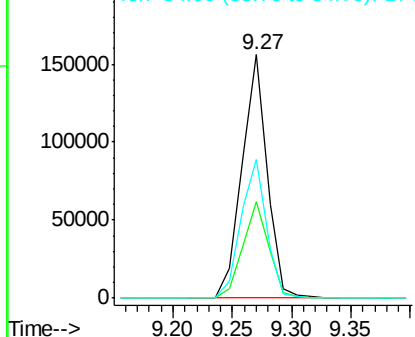
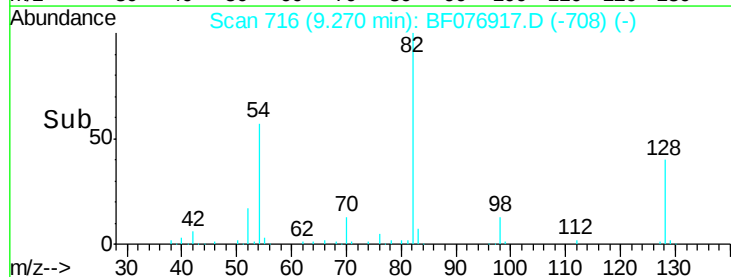


#23  
Nitrobenzene-d5  
Concen: 86.79 ng  
RT: 9.27 min Scan# 716  
Delta R.T. -0.01 min  
Lab File: BF076917.D  
Acq: 16 Jan 2015 20:13

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 232320      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 39.7  | 33.1 49.7   |
| 54          | 57.1  | 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

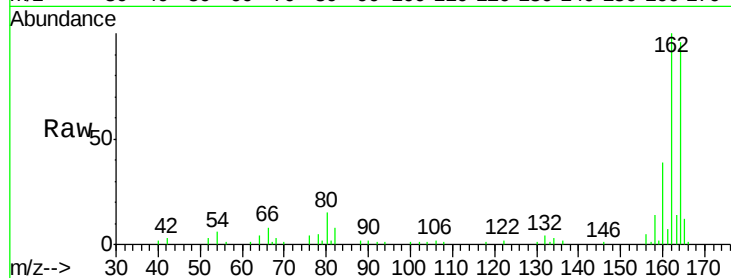




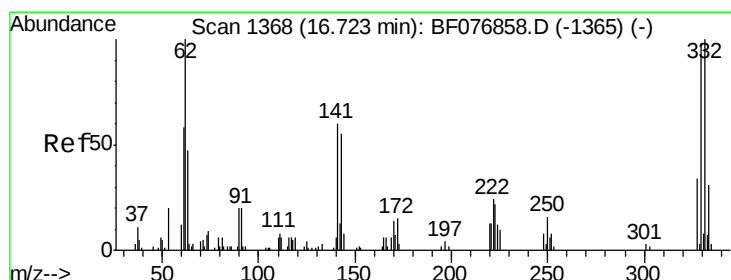
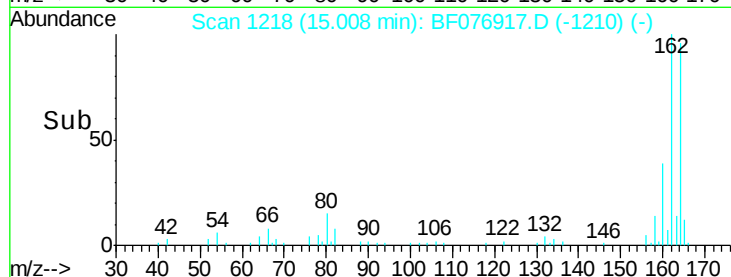
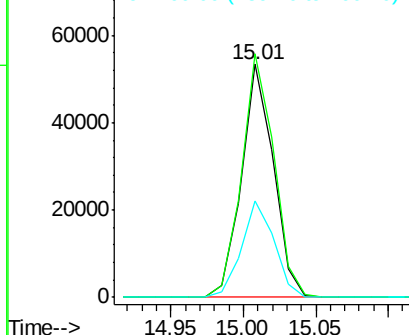
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 15.01 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: BF076917.D  
Acq: 16 Jan 2015 20:13

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 81208  
Ion Ratio Lower Upper  
164 100  
162 104.5 82.4 123.6  
160 41.2 34.8 52.2

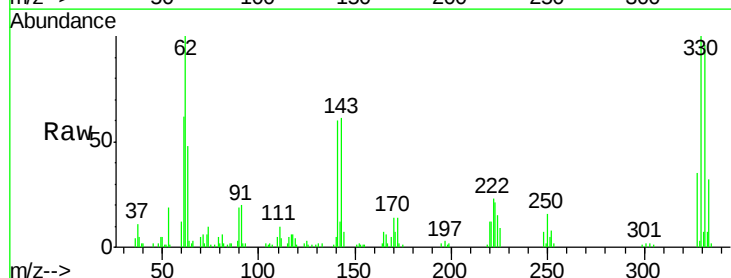


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

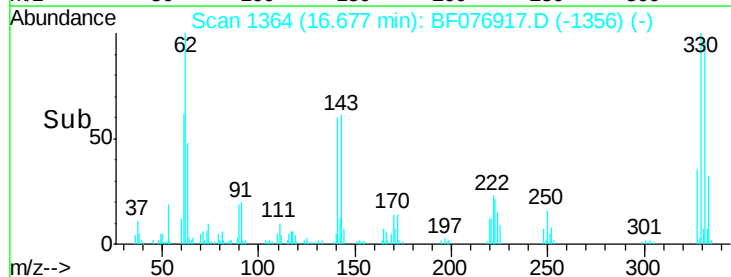
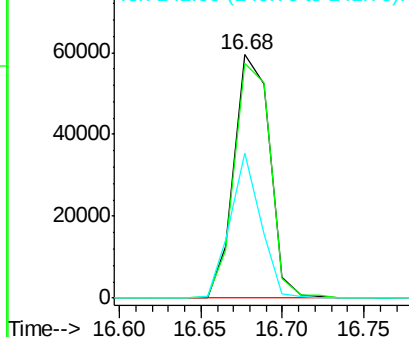


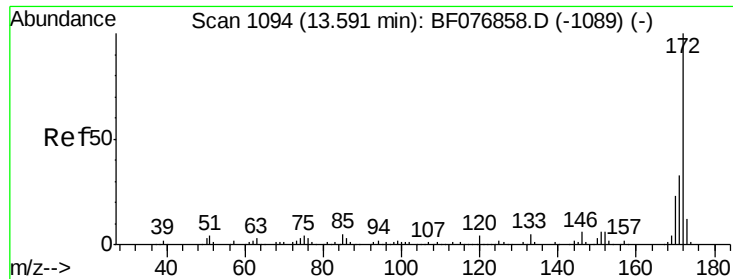
#41  
2,4,6-Tribromophenol  
Concen: 135.90 ng  
RT: 16.68 min Scan# 1364  
Delta R.T. -0.01 min  
Lab File: BF076917.D  
Acq: 16 Jan 2015 20:13

Tgt Ion:330 Resp: 89582  
Ion Ratio Lower Upper  
330 100  
332 98.0 77.8 116.6  
141 51.6 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

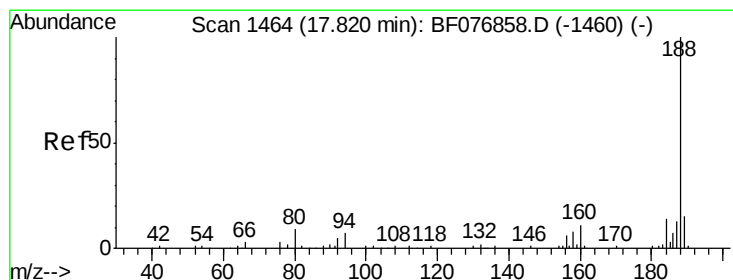
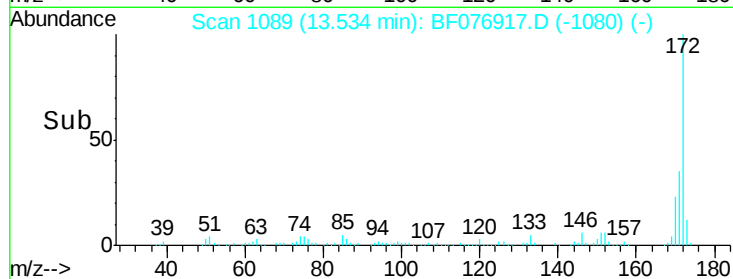
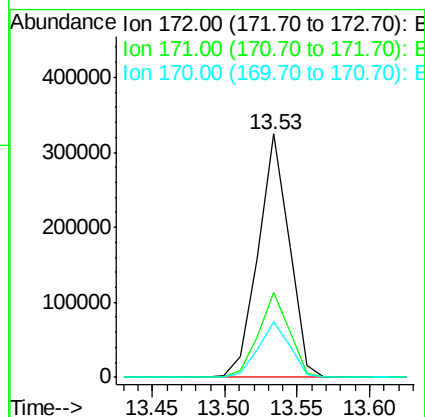
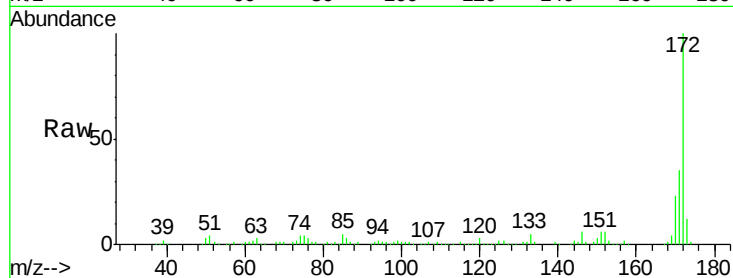




#44  
 2-Fluorobiphenyl  
 Concen: 90.28 ng  
 RT: 13.53 min Scan# 1089  
 Delta R.T. -0.00 min  
 Lab File: BF076917.D  
 Acq: 16 Jan 2015 20:13

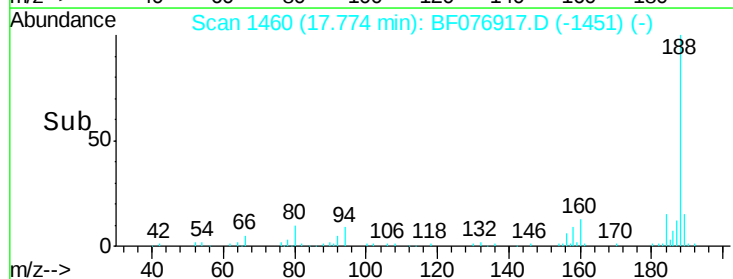
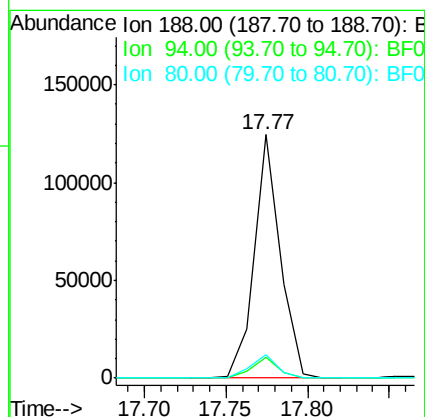
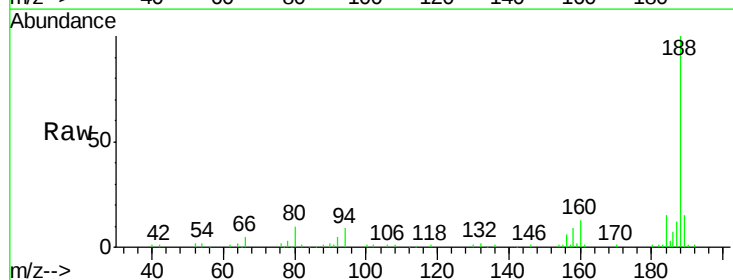
Instrument :  
 BNA\_F  
 ClientSampleId :

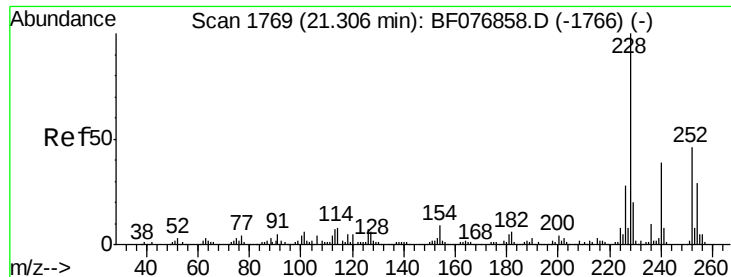
Tot Ion:172 Resp: 481749  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 26.6 40.0  
 170 23.0 18.0 27.0



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.77 min Scan# 1460  
 Delta R.T. -0.00 min  
 Lab File: BF076917.D  
 Acq: 16 Jan 2015 20:13

Tgt Ion:188 Resp: 138141  
 Ion Ratio Lower Upper  
 188 100  
 94 8.6 6.0 9.0  
 80 9.7 6.9 10.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.27 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF076917.D

Acq: 16 Jan 2015 20:13

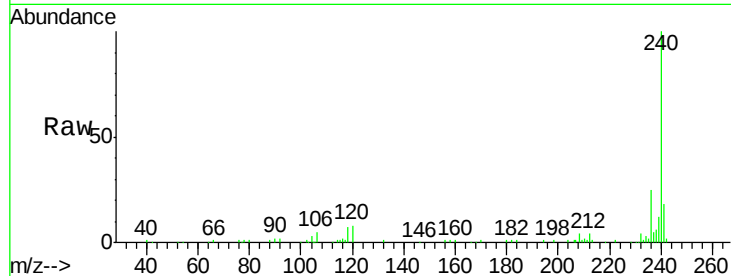
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:240 Resp: 130707

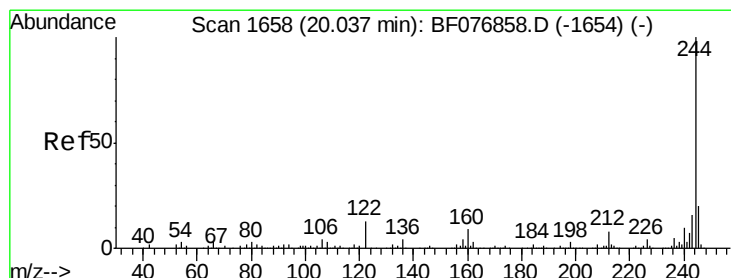
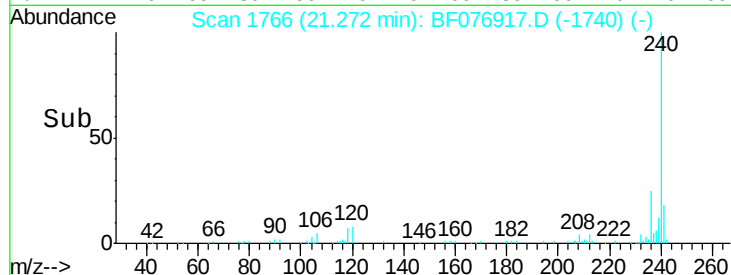
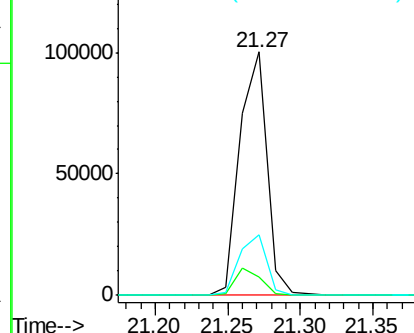
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 7.7   | 10.4  | 15.6# |
| 236 | 25.0  | 20.2  | 30.2  |



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: 90.49 ng

RT: 20.00 min Scan# 1655

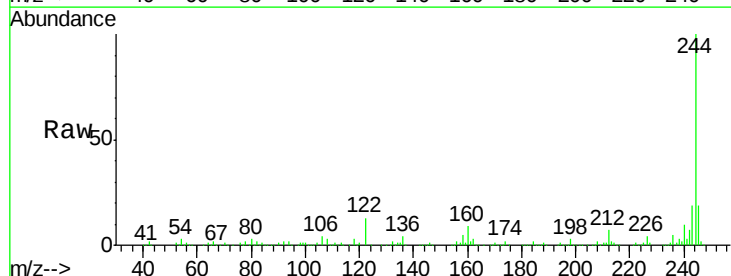
Delta R.T. -0.00 min

Lab File: BF076917.D

Acq: 16 Jan 2015 20:13

Tgt Ion:244 Resp: 513754

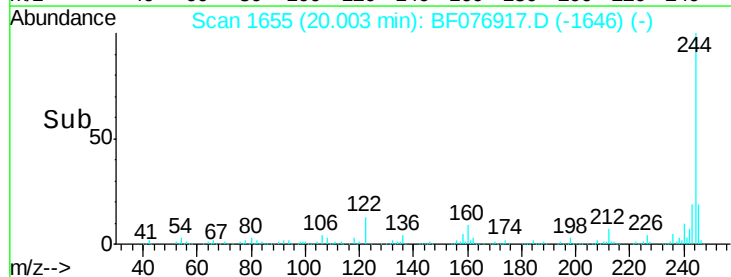
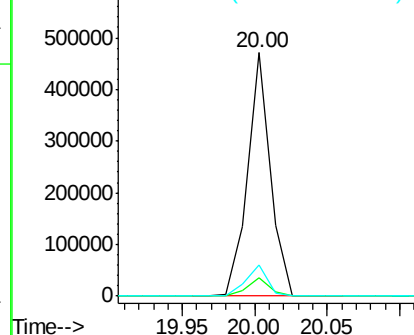
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 6.3   | 9.5   |
| 122 | 13.0  | 10.1  | 15.1  |

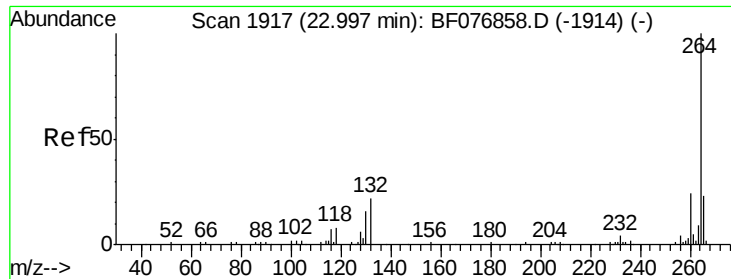


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

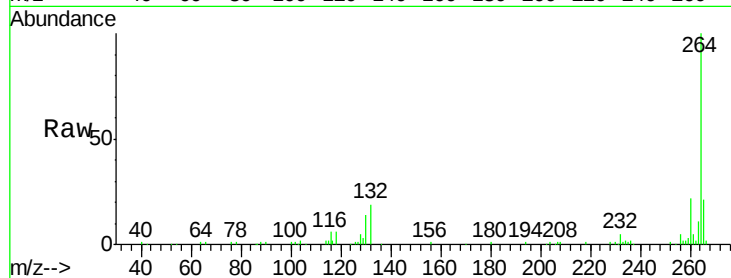




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 22.91 min Scan# 1909  
 Delta R.T. -0.05 min  
 Lab File: BF076917.D  
 Acq: 16 Jan 2015 20:13

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 264 Resp: 114718  
 Ion Ratio Lower Upper  
 264 100  
 260 22.0 19.0 28.4  
 265 21.1 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

