

Data Path : S:\HPCHEM1\BNA\_F\DATA\BF012315\  
 Data File : BF077044.D  
 Acq On : 23 Jan 2015 18:55  
 Operator : TP/IZ  
 Sample : G1150-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB

Quant Time: Jan 23 23:02:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 23 22:30:04 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.76  | 152  | 21789    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.68 | 136  | 92079    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 49395    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.64 | 188  | 85083    | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.13 | 240  | 85519    | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 22.80 | 264  | 81510    | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.79  | 112  | 70252    | 53.01  | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 53352    | 31.91  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.06  | 82   | 171516   | 103.20 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.52 | 330  | 45885    | 114.44 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.33 | 172  | 354151   | 109.11 | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.88 | 244  | 392610   | 105.69 | ng    | 0.00     |

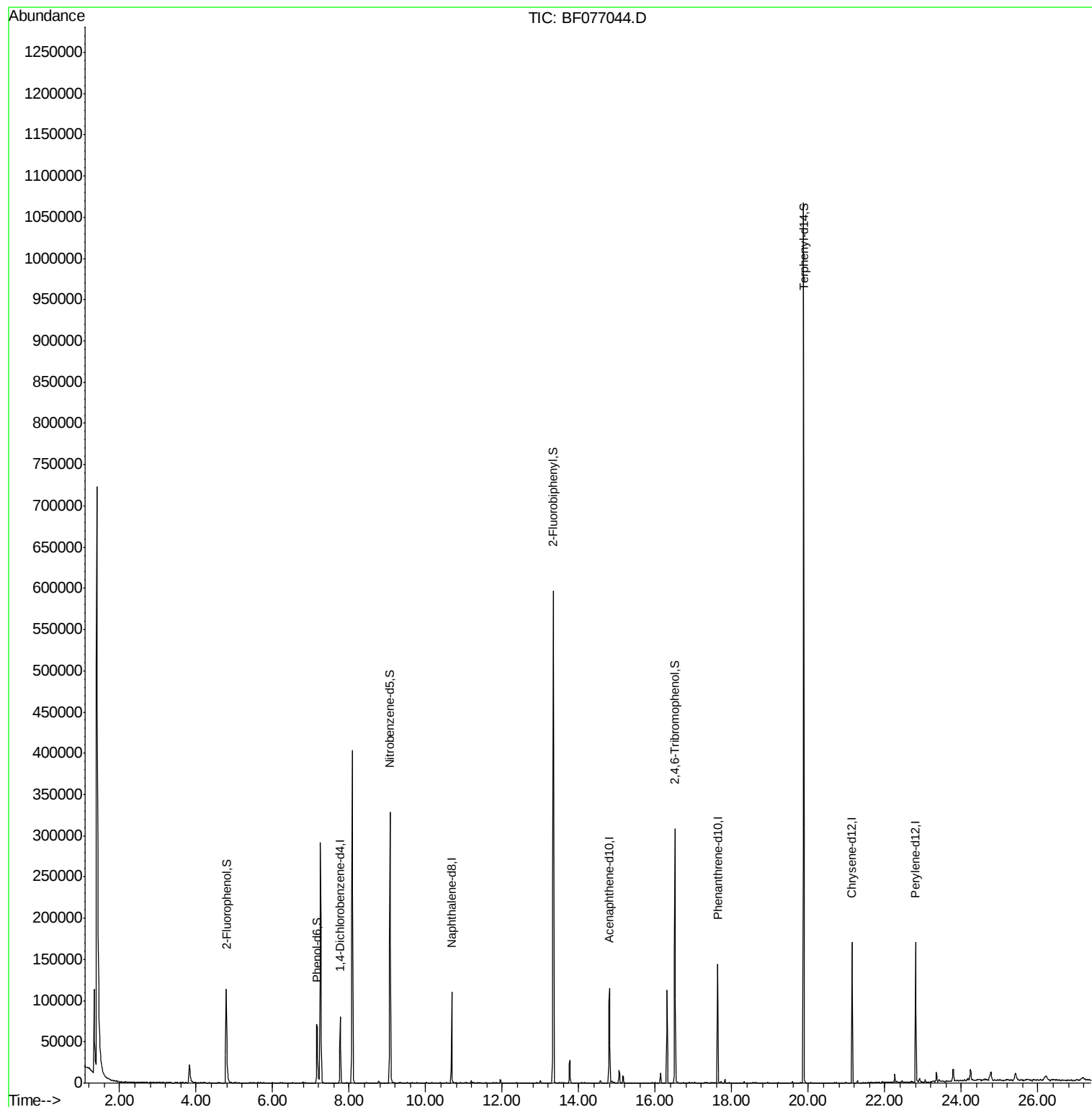
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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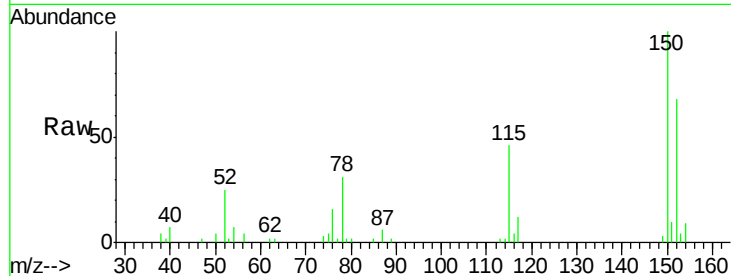


#1

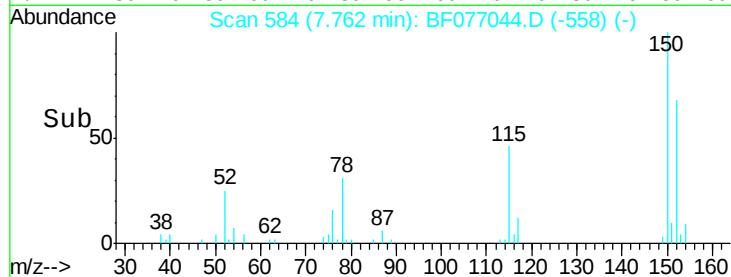
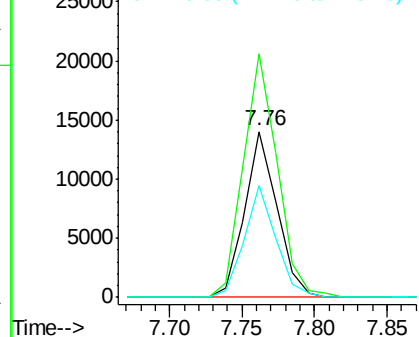
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.76 min Scan# 584  
Delta R.T. -0.00 min  
Lab File: BF077044.D  
Acq: 23 Jan 2015 18:55

Instrument :  
BNA\_F  
ClientSampleId :  
FB

Tgt Ion:152 Resp: 21789  
Ion Ratio Lower Upper  
152 100  
150 147.0 121.7 182.5  
115 67.8 47.0 70.6



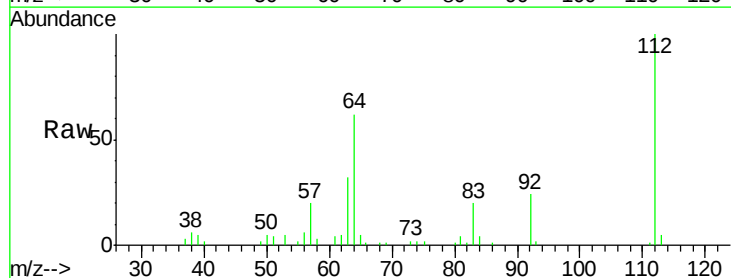
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



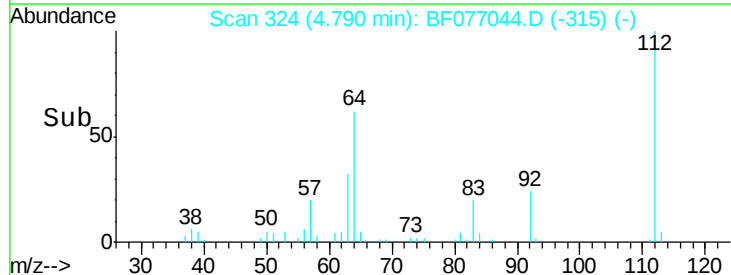
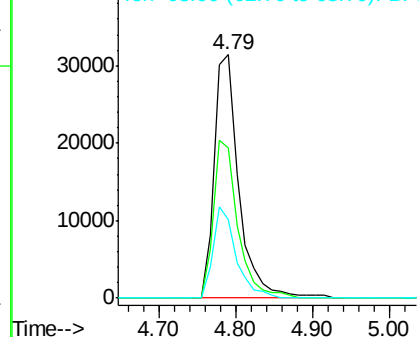
#5

2-Fluorophenol  
Concen: 53.01 ng  
RT: 4.79 min Scan# 324  
Delta R.T. -0.00 min  
Lab File: BF077044.D  
Acq: 23 Jan 2015 18:55

Tgt Ion:112 Resp: 70252  
Ion Ratio Lower Upper  
112 100  
64 61.6 54.2 81.4  
63 32.3 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: 31.91 ng

RT: 7.17 min Scan# 532

Delta R.T. -0.00 min

Lab File: BF077044.D

Acq: 23 Jan 2015 18:55

Instrument :

BNA\_F

ClientSampleId :

FB

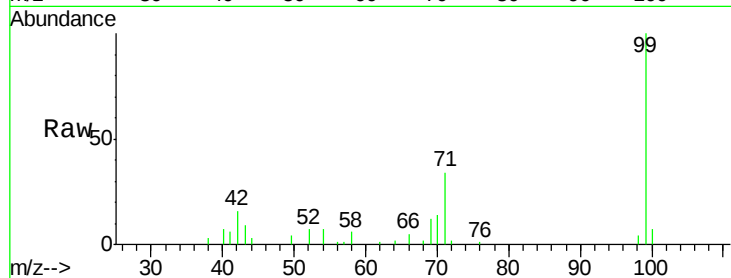
Tgt Ion: 99 Resp: 53352

Ion Ratio Lower Upper

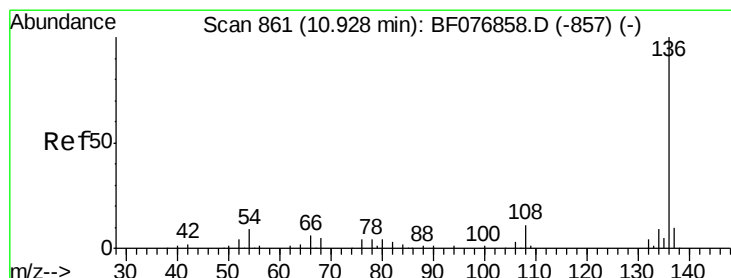
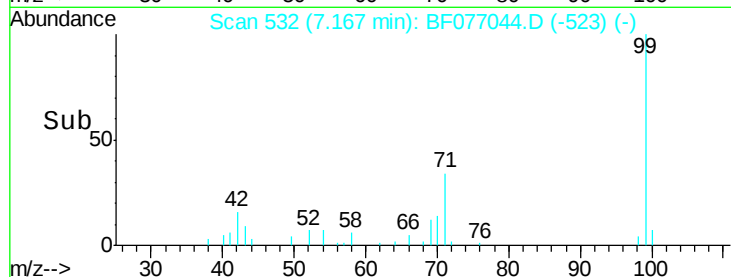
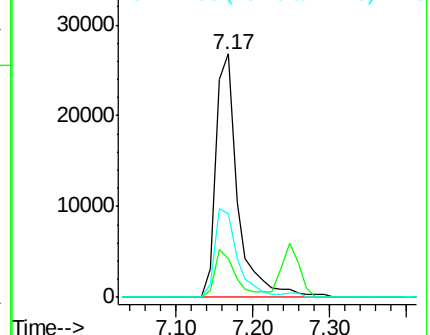
99 100

42 15.9 15.0 22.4

71 34.3 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: 10.68 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF077044.D

Acq: 23 Jan 2015 18:55

Tgt Ion: 136 Resp: 92079

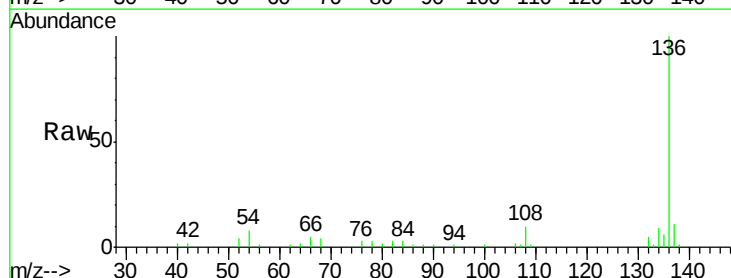
Ion Ratio Lower Upper

136 100

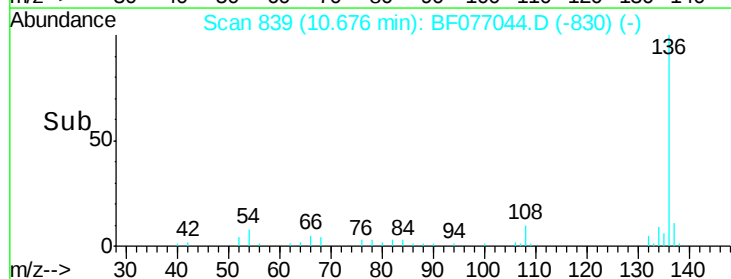
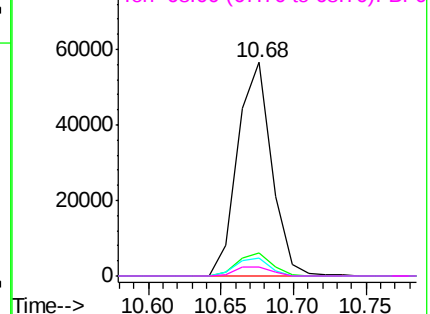
137 10.5 8.1 12.1

54 8.4 7.0 10.4

68 4.1 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

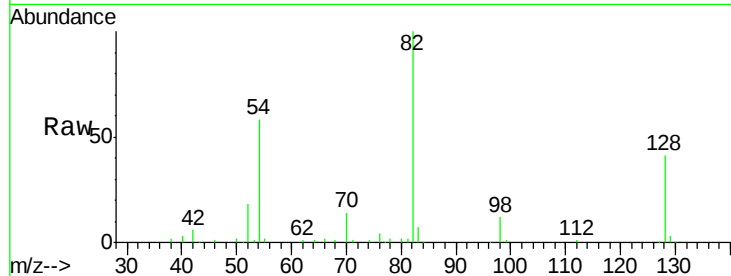




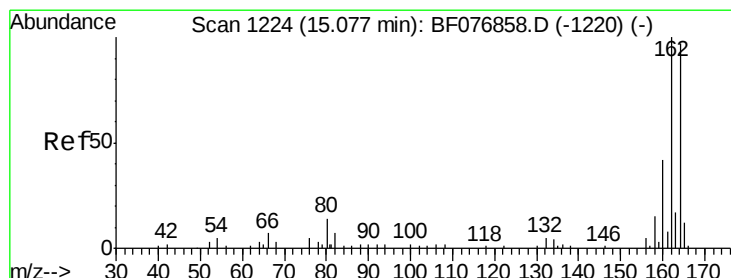
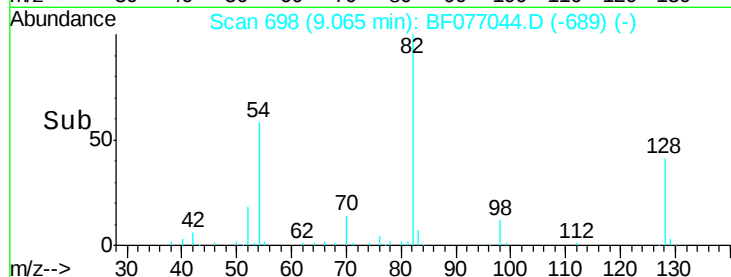
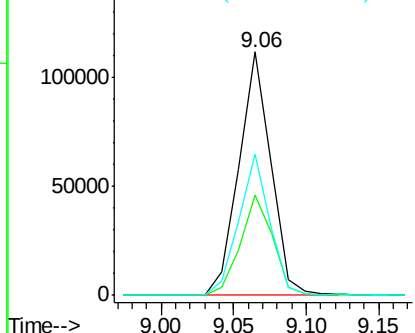
#23  
 Nitrobenzene-d5  
 Concen: 103.20 ng  
 RT: 9.06 min Scan# 698  
 Delta R.T. -0.00 min  
 Lab File: BF077044.D  
 Acq: 23 Jan 2015 18:55

Instrument :  
 BNA\_F  
 ClientSampled :  
 FB

Tgt Ion: 82 Resp: 171516  
 Ion Ratio Lower Upper  
 82 100  
 128 41.2 33.1 49.7  
 54 58.0 48.3 72.5

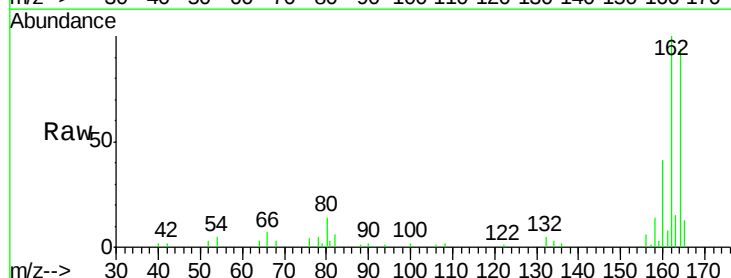


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

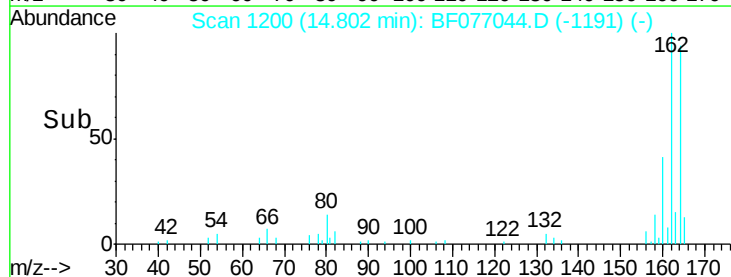
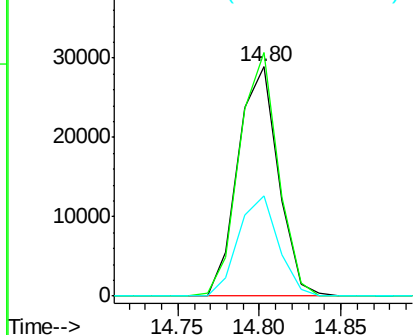


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.80 min Scan# 1200  
 Delta R.T. -0.00 min  
 Lab File: BF077044.D  
 Acq: 23 Jan 2015 18:55

Tgt Ion: 164 Resp: 49395  
 Ion Ratio Lower Upper  
 164 100  
 162 106.1 82.4 123.6  
 160 43.9 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

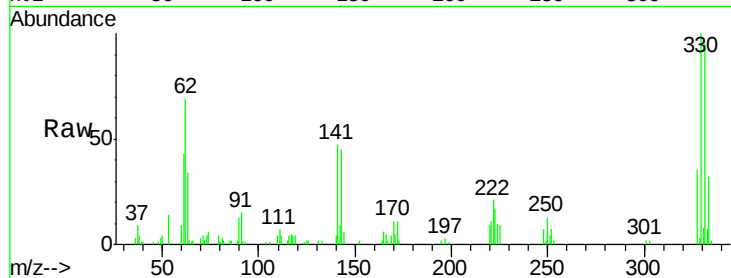




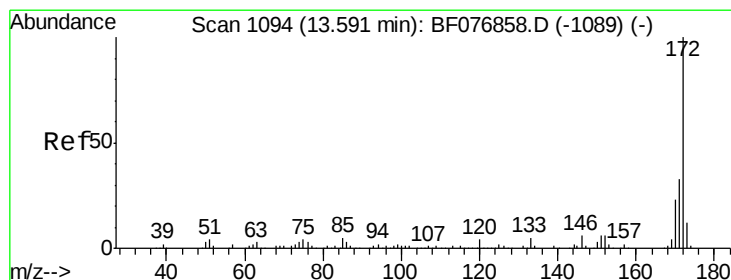
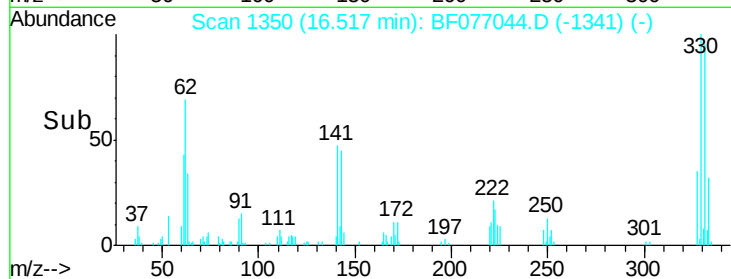
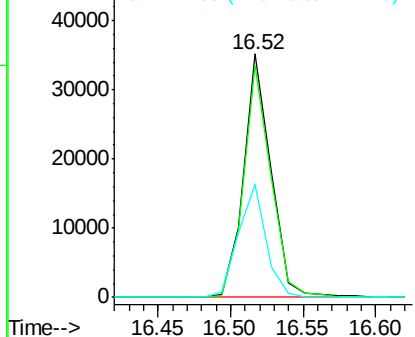
#41  
 2,4,6-Tribromophenol  
 Concen: 114.44 ng  
 RT: 16.52 min Scan# 1350  
 Delta R.T. -0.00 min  
 Lab File: BF077044.D  
 Acq: 23 Jan 2015 18:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB

Tgt Ion:330 Resp: 45885  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 77.8 116.6  
 141 47.0 38.5 57.7

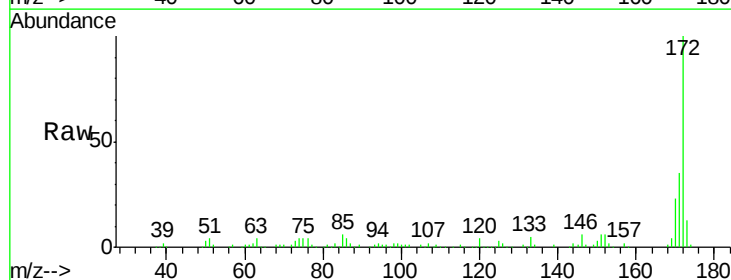


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

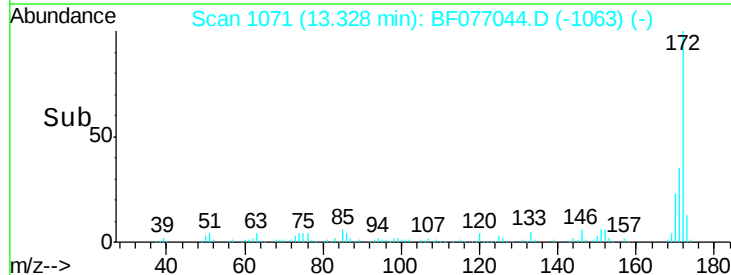
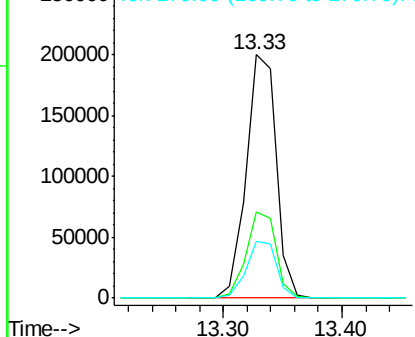


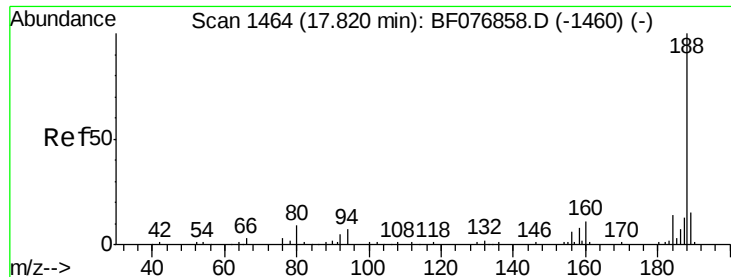
#44  
 2-Fluorobiphenyl  
 Concen: 109.11 ng  
 RT: 13.33 min Scan# 1071  
 Delta R.T. -0.01 min  
 Lab File: BF077044.D  
 Acq: 23 Jan 2015 18:55

Tgt Ion:172 Resp: 354151  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 26.6 40.0  
 170 23.4 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

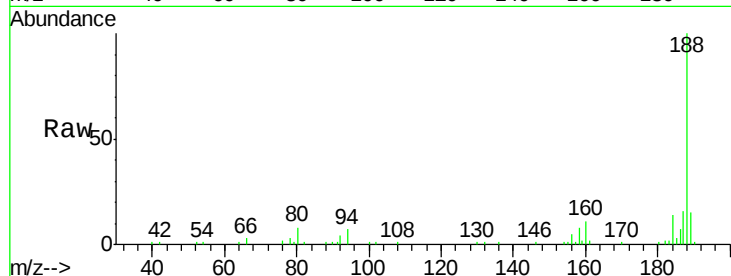




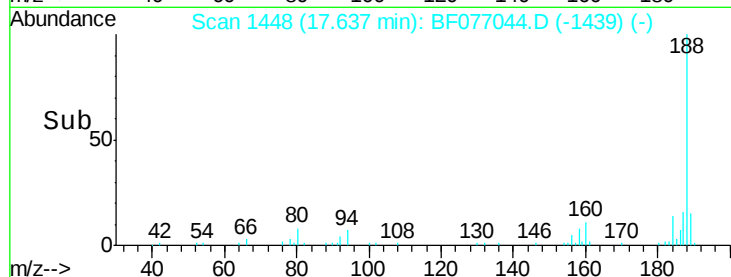
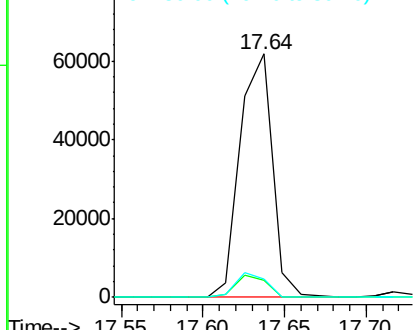
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.64 min Scan# 1448  
Delta R.T. -0.00 min  
Lab File: BF077044.D  
Acq: 23 Jan 2015 18:55

Instrument :  
BNA\_F  
ClientSampleId :  
FB

Tgt Ion:188 Resp: 85083  
Ion Ratio Lower Upper  
188 100  
94 6.8 6.0 9.0  
80 7.5 6.9 10.3

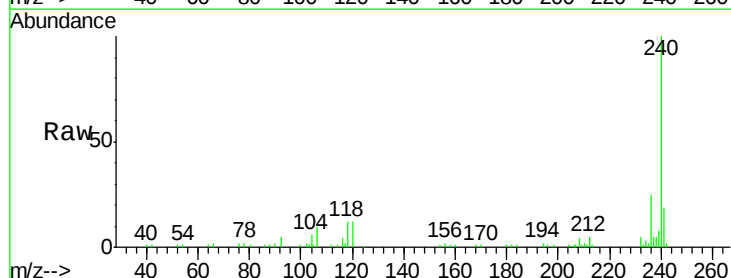


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

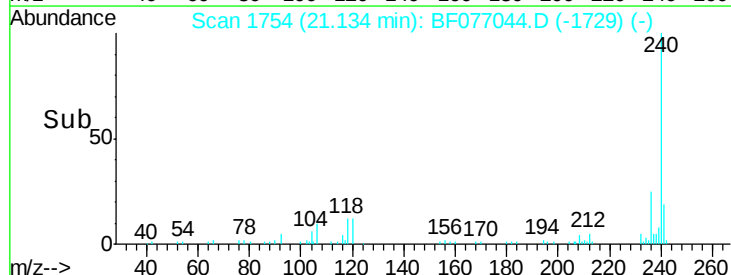
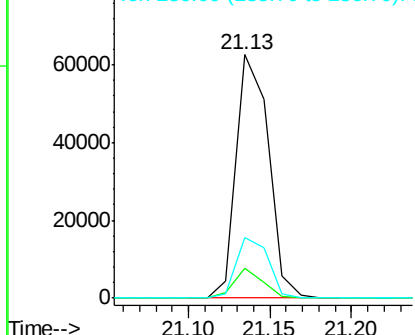


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.13 min Scan# 1754  
Delta R.T. -0.01 min  
Lab File: BF077044.D  
Acq: 23 Jan 2015 18:55

Tgt Ion:240 Resp: 85519  
Ion Ratio Lower Upper  
240 100  
120 12.3 10.4 15.6  
236 25.1 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

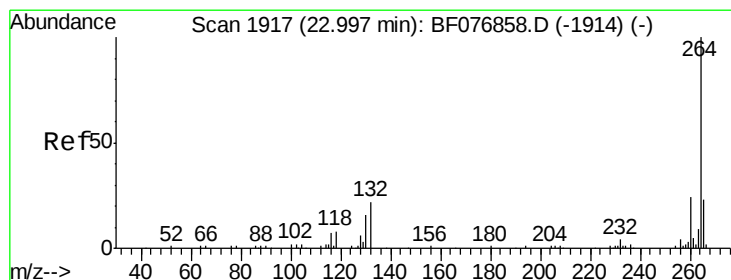
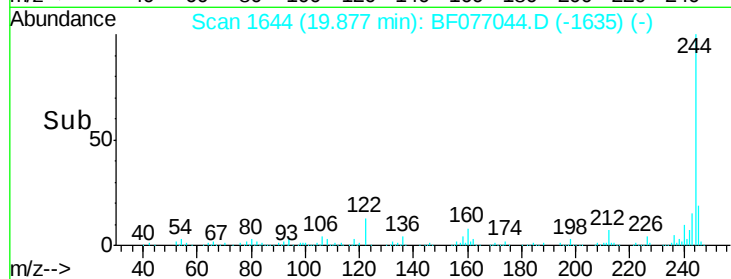
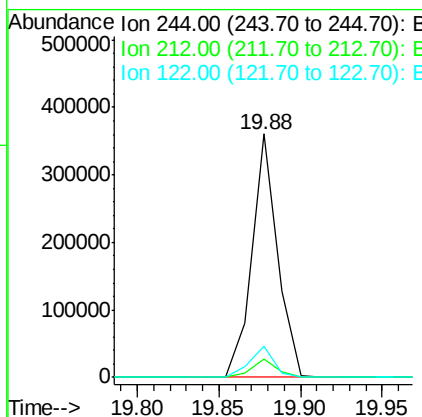
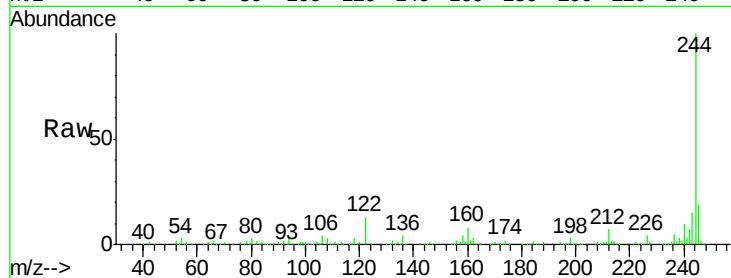




#78  
 Terphenyl-d14  
 Concen: 105.69 ng  
 RT: 19.88 min Scan# 1644  
 Delta R.T. -0.00 min  
 Lab File: BF077044.D  
 Acq: 23 Jan 2015 18:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 6.3   | 9.5   |
| 122     | 12.7  | 10.1  | 15.1  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.80 min Scan# 1900  
 Delta R.T. 0.01 min  
 Lab File: BF077044.D  
 Acq: 23 Jan 2015 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.0  | 28.4  |
| 265     | 22.0  | 18.1  | 27.1  |

