

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042215\  
 Data File : BF078723.D  
 Acq On : 22 Apr 2015 19:02  
 Operator : TP/IZ  
 Sample : G1972-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-115A-42115

Quant Time: Apr 23 01:26:35 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 23 00:55:17 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.78  | 152  | 21610    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.94  | 136  | 90210    | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 11.13 | 164  | 47846    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 13.86 | 188  | 104604   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 17.74 | 240  | 117378   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 19.45 | 264  | 116436   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 3.80  | 112  | 71097    | 54.24  | ng    | 0.00     |
| 7) Phenol-d6                | 5.29  | 99   | 54097    | 32.93  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.73  | 82   | 137095   | 92.12  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.61 | 330  | 60737    | 153.06 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.96  | 172  | 304506   | 90.97  | ng    | 0.00     |
| 78) Terphenyl-d14           | 16.40 | 244  | 404115   | 77.80  | ng    | 0.00     |

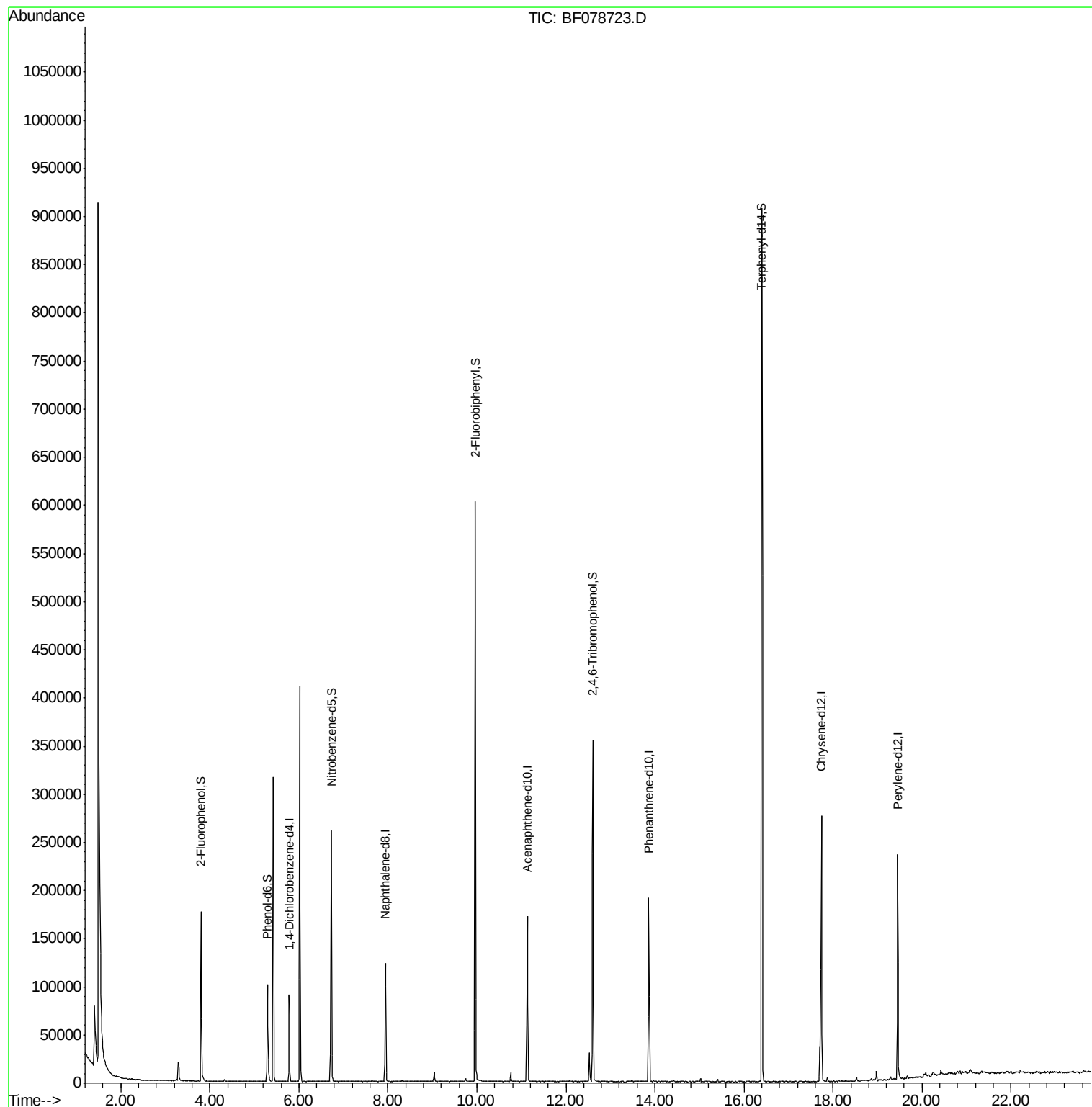
Target Compounds Qvalue

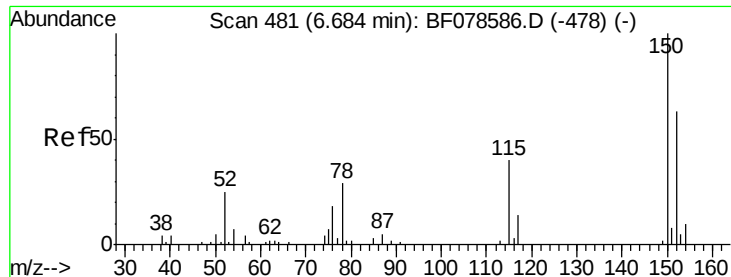
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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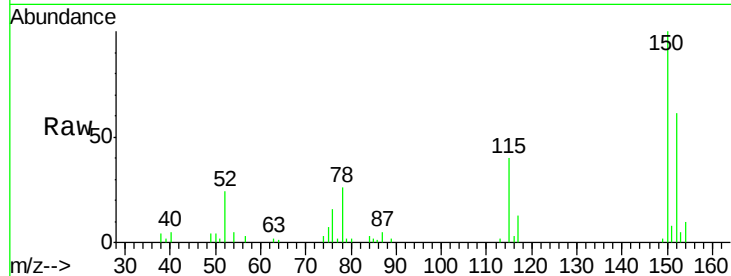


#1

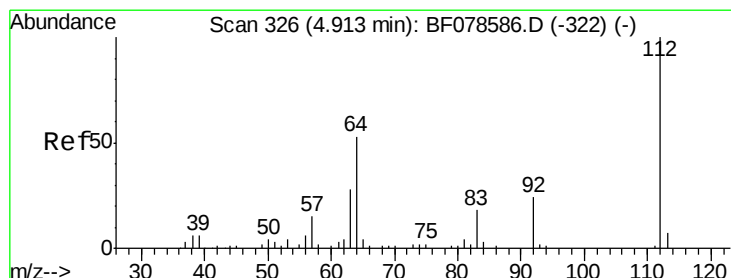
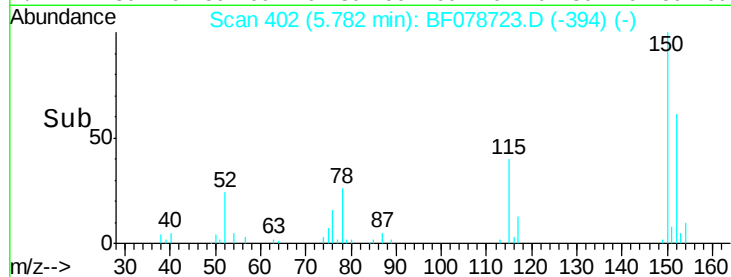
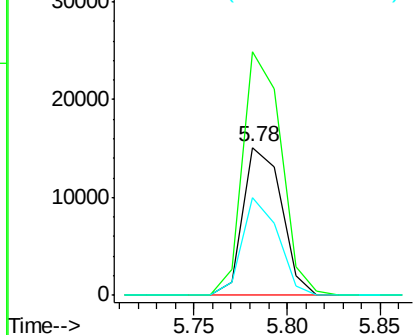
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.78 min Scan# 402  
Delta R.T. -0.01 min  
Lab File: BF078723.D  
Acq: 22 Apr 2015 19:02

Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-115A-42115

Tot Ion:152 Resp: 21610  
Ion Ratio Lower Upper  
152 100  
150 164.9 125.9 188.9  
115 66.4 52.7 79.1



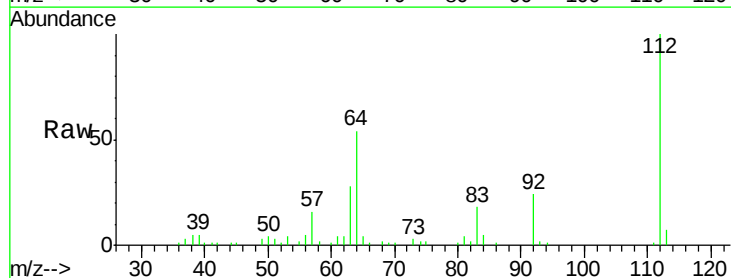
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



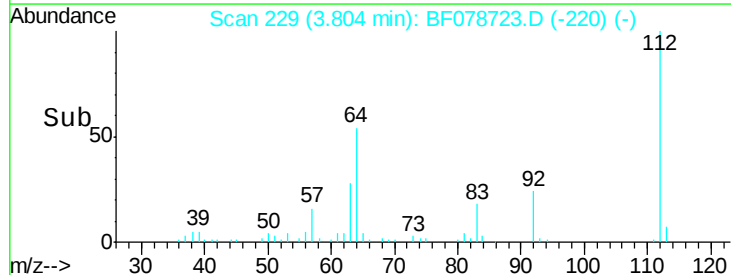
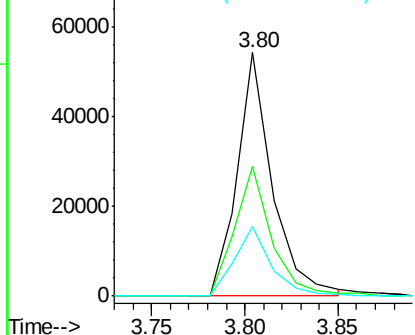
#5

2-Fluorophenol  
Concen: 54.24 ng  
RT: 3.80 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: BF078723.D  
Acq: 22 Apr 2015 19:02

Tgt Ion:112 Resp: 71097  
Ion Ratio Lower Upper  
112 100  
64 53.5 39.9 59.9  
63 28.4 20.2 30.4



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: 32.93 ng

RT: 5.29 min Scan# 359

Delta R.T. 0.00 min

Lab File: BF078723.D

Acq: 22 Apr 2015 19:02

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-115A-42115

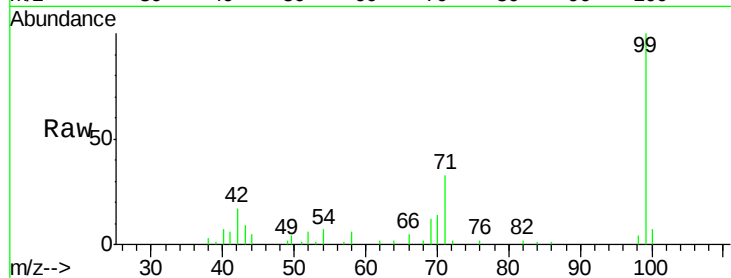
Tot Ion: 99 Resp: 54097

Ion Ratio Lower Upper

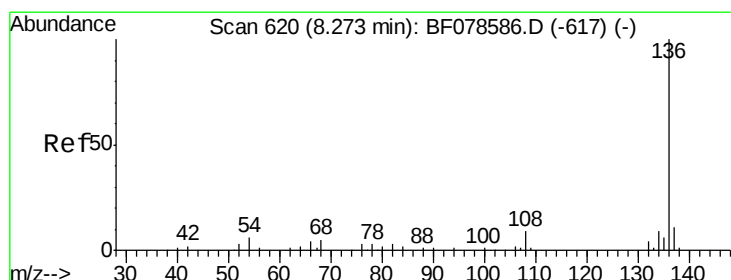
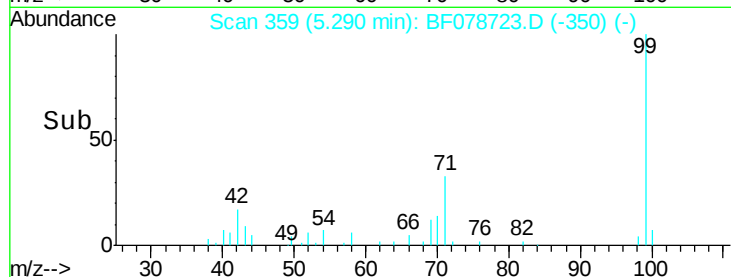
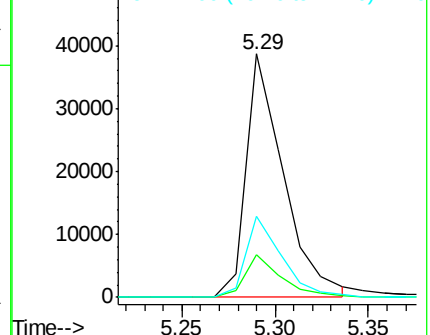
99 100

42 17.4 14.8 22.2

71 33.2 26.6 39.8



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: 7.94 min Scan# 591

Delta R.T. -0.01 min

Lab File: BF078723.D

Acq: 22 Apr 2015 19:02

Tgt Ion: 136 Resp: 90210

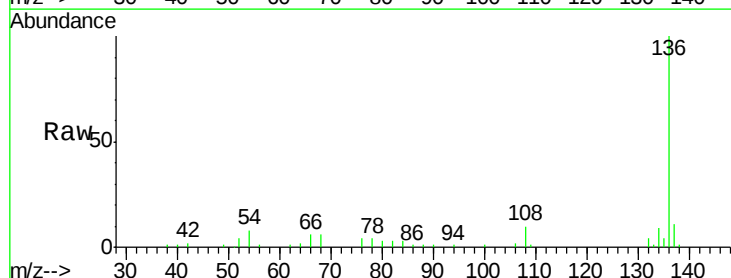
Ion Ratio Lower Upper

136 100

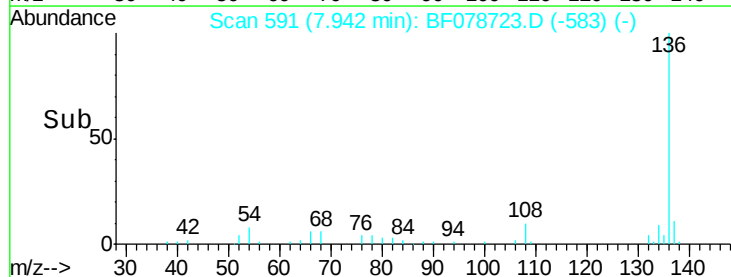
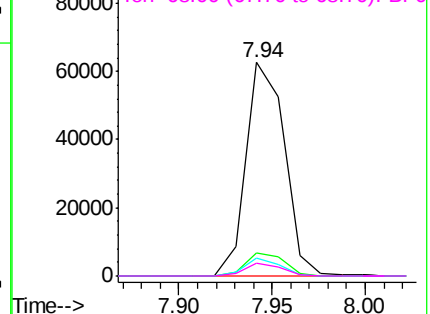
137 11.1 9.0 13.4

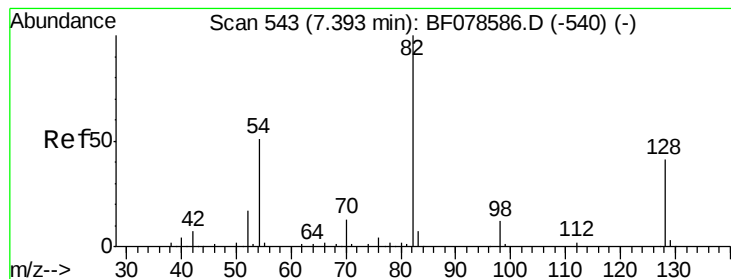
54 8.2 7.0 10.6

68 6.0 5.4 8.2



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: 92.12 ng

RT: 6.73 min Scan# 485

Delta R.T. 0.00 min

Lab File: BF078723.D

Acq: 22 Apr 2015 19:02

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-115A-42115

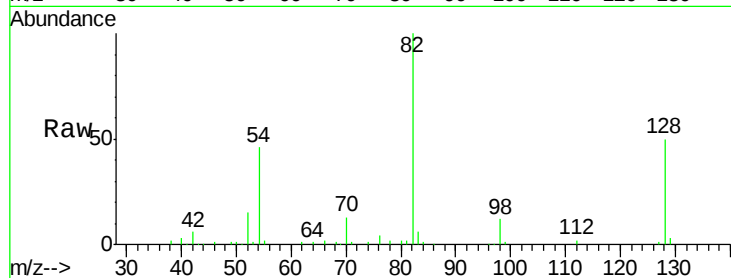
Tot Ion: 82 Resp: 137095

Ion Ratio Lower Upper

82 100

128 50.2 31.8 47.8#

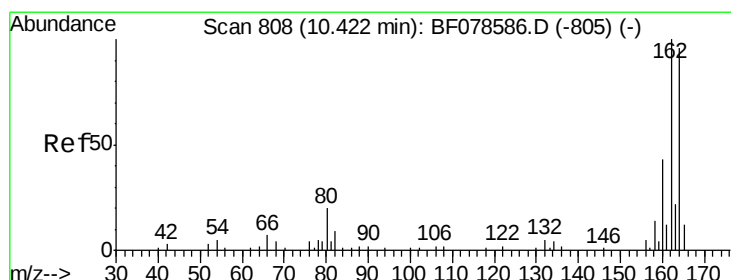
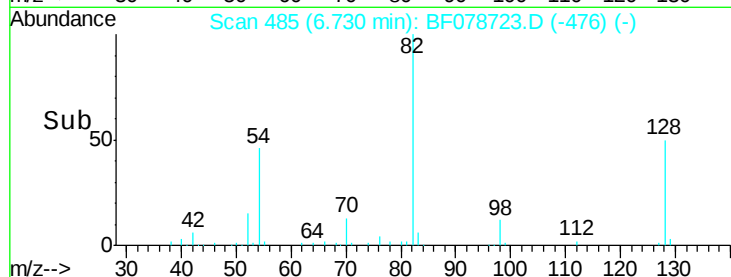
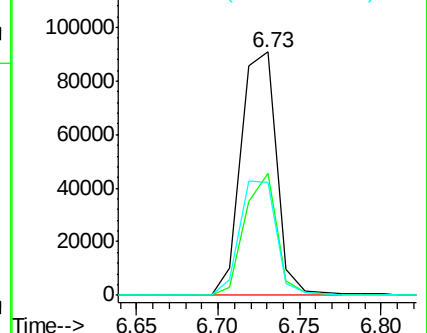
54 46.4 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF078586.D (-540) (-)

Ion 128.00 (127.70 to 128.70): BF078586.D (-540) (-)

Ion 54.00 (53.70 to 54.70): BF078586.D (-540) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF078723.D

Acq: 22 Apr 2015 19:02

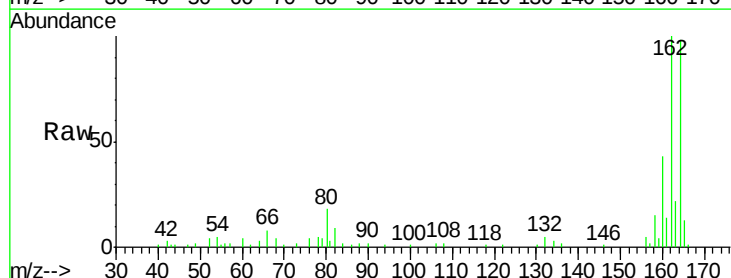
Tgt Ion: 164 Resp: 47846

Ion Ratio Lower Upper

164 100

162 102.2 82.2 123.2

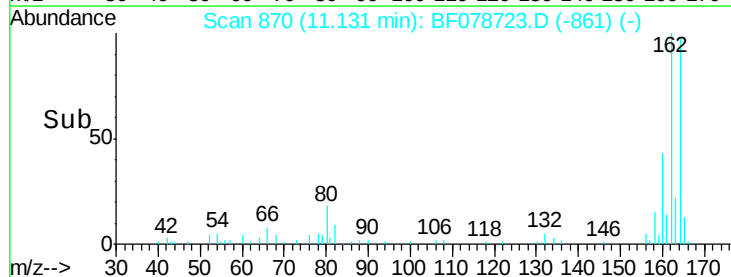
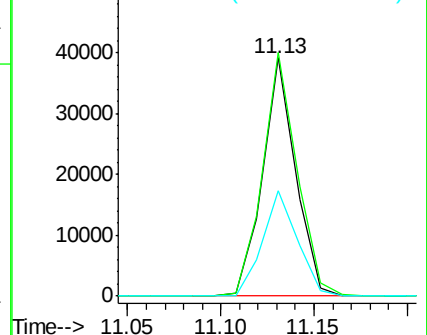
160 44.2 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): BF078586.D (-805) (-)

Ion 162.00 (161.70 to 162.70): BF078586.D (-805) (-)

Ion 160.00 (159.70 to 160.70): BF078586.D (-805) (-)

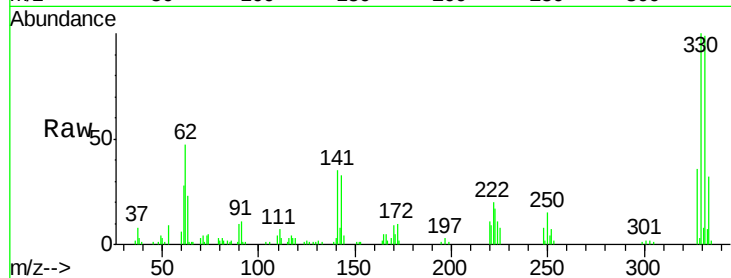




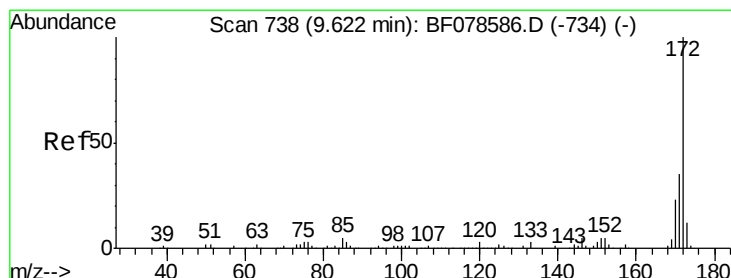
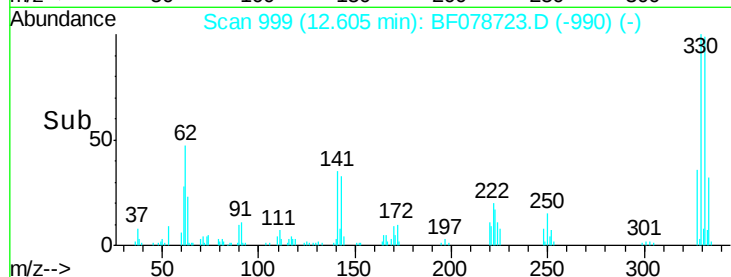
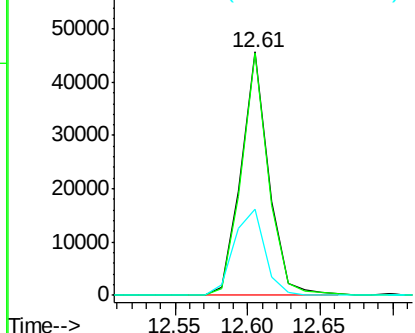
#41  
 2,4,6-Tribromophenol  
 Concen: 153.06 ng  
 RT: 12.61 min Scan# 999  
 Delta R.T. 0.00 min  
 Lab File: BF078723.D  
 Acq: 22 Apr 2015 19:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-115A-42115

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 78.6  | 117.8 |
| 141     | 39.3  | 31.2  | 46.8  |

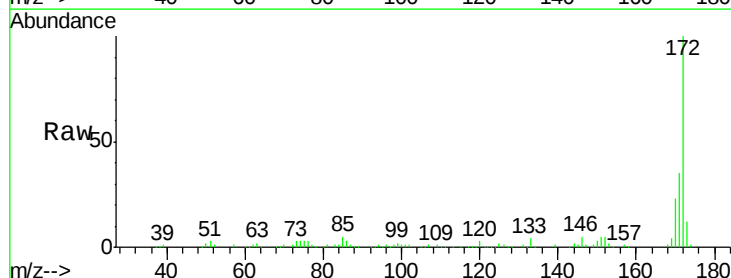


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

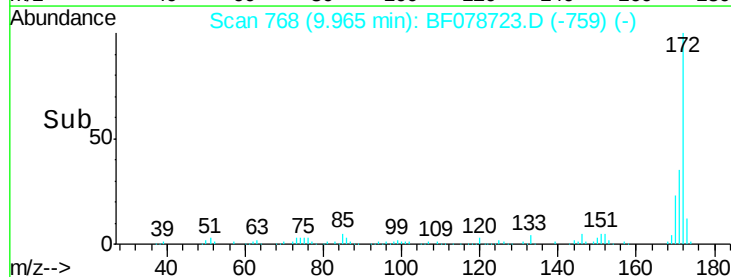
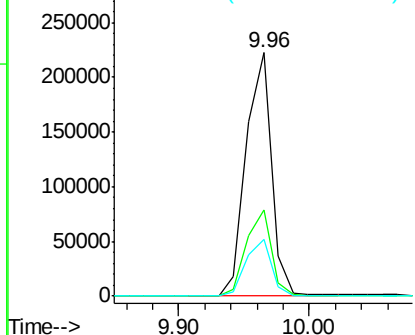


#44  
 2-Fluorobiphenyl  
 Concen: 90.97 ng  
 RT: 9.96 min Scan# 768  
 Delta R.T. 0.00 min  
 Lab File: BF078723.D  
 Acq: 22 Apr 2015 19:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.6  | 42.8  |
| 170     | 23.2  | 18.5  | 27.7  |



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

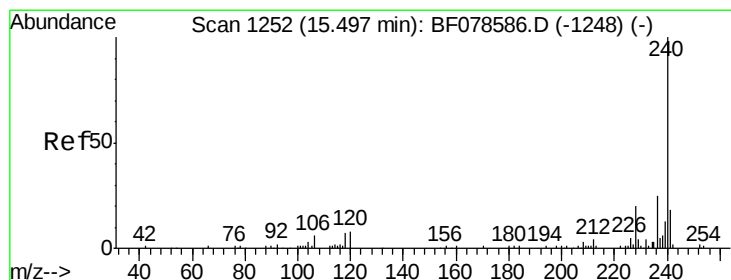
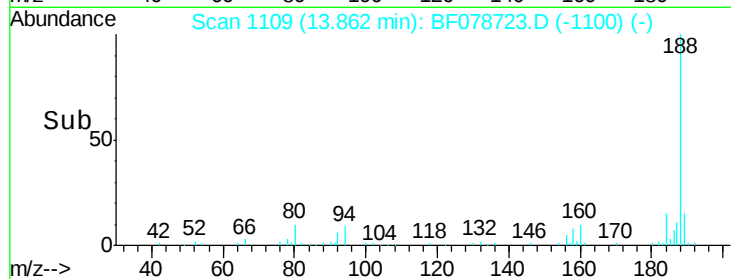
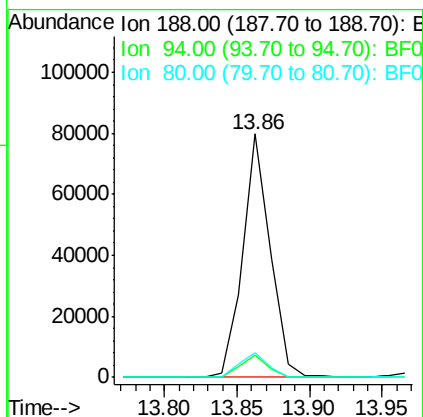
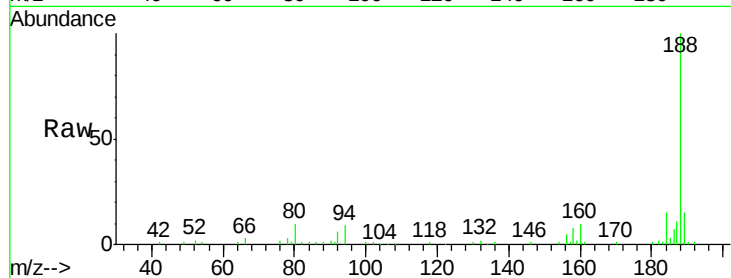




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 13.86 min Scan# 1109  
 Delta R.T. 0.00 min  
 Lab File: BF078723.D  
 Acq: 22 Apr 2015 19:02

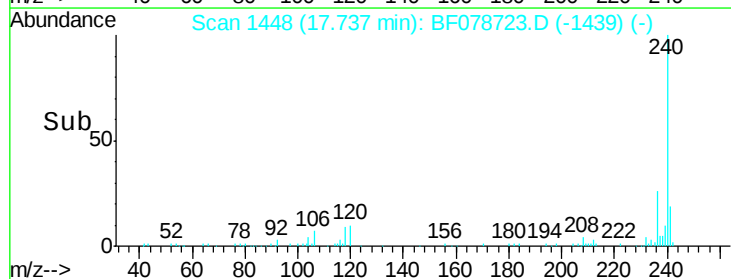
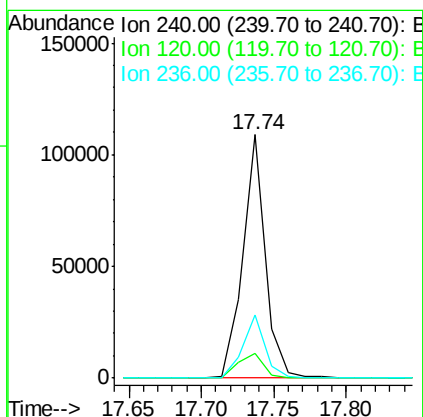
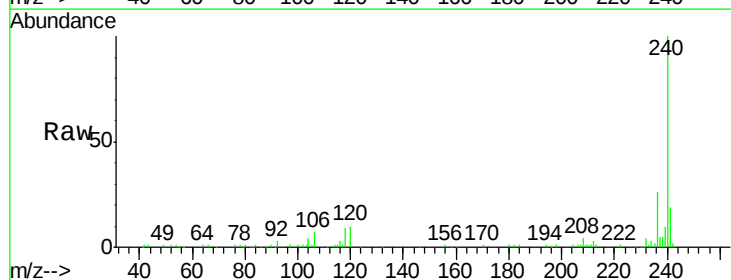
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-115A-42115

Tot Ion:188 Resp: 104604  
 Ion Ratio Lower Upper  
 188 100  
 94 9.3 9.0 13.4  
 80 10.2 9.5 14.3



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 17.74 min Scan# 1448  
 Delta R.T. 0.00 min  
 Lab File: BF078723.D  
 Acq: 22 Apr 2015 19:02

Tgt Ion:240 Resp: 117378  
 Ion Ratio Lower Upper  
 240 100  
 120 10.4 7.1 10.7  
 236 26.1 21.4 32.2

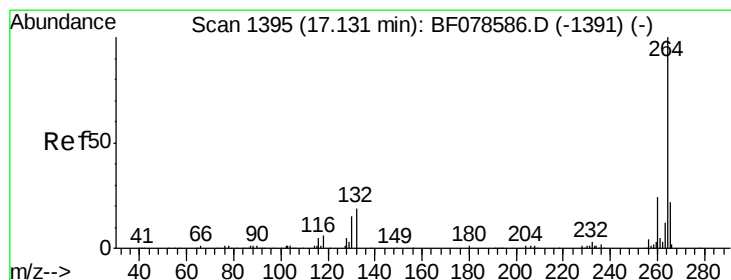
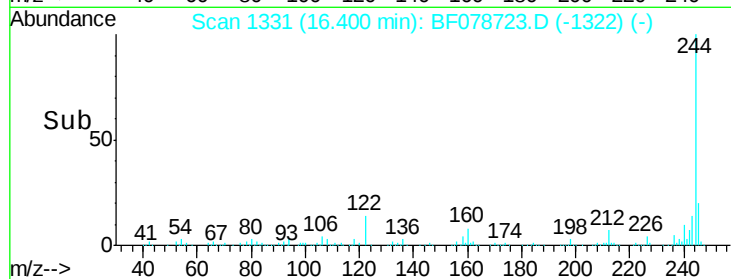
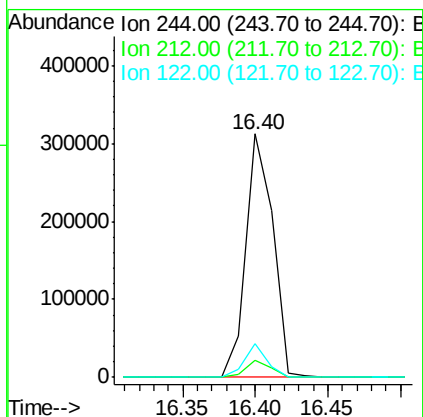
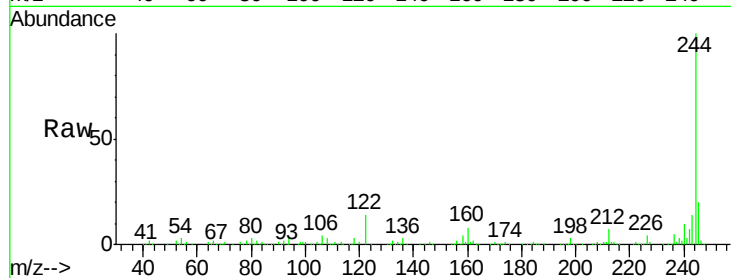




#78  
 Terphenyl-d14  
 Concen: 77.80 ng  
 RT: 16.40 min Scan# 1331  
 Delta R.T. 0.00 min  
 Lab File: BF078723.D  
 Acq: 22 Apr 2015 19:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-115A-42115

Tot Ion:244 Resp: 404115  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.0 7.4  
 122 13.6 7.1 10.7#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 19.45 min Scan# 1598  
 Delta R.T. 0.02 min  
 Lab File: BF078723.D  
 Acq: 22 Apr 2015 19:02

Tgt Ion:264 Resp: 116436  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 18.6 27.8  
 265 21.6 17.0 25.6

