

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\  
 Data File : BF079033.D  
 Acq On : 8 May 2015 10:54  
 Operator : TP/IZ  
 Sample : G2130-02  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-K55-WC

Quant Time: May 08 13:00:55 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 30 19:07:47 2015  
 Response via : Initial Calibration

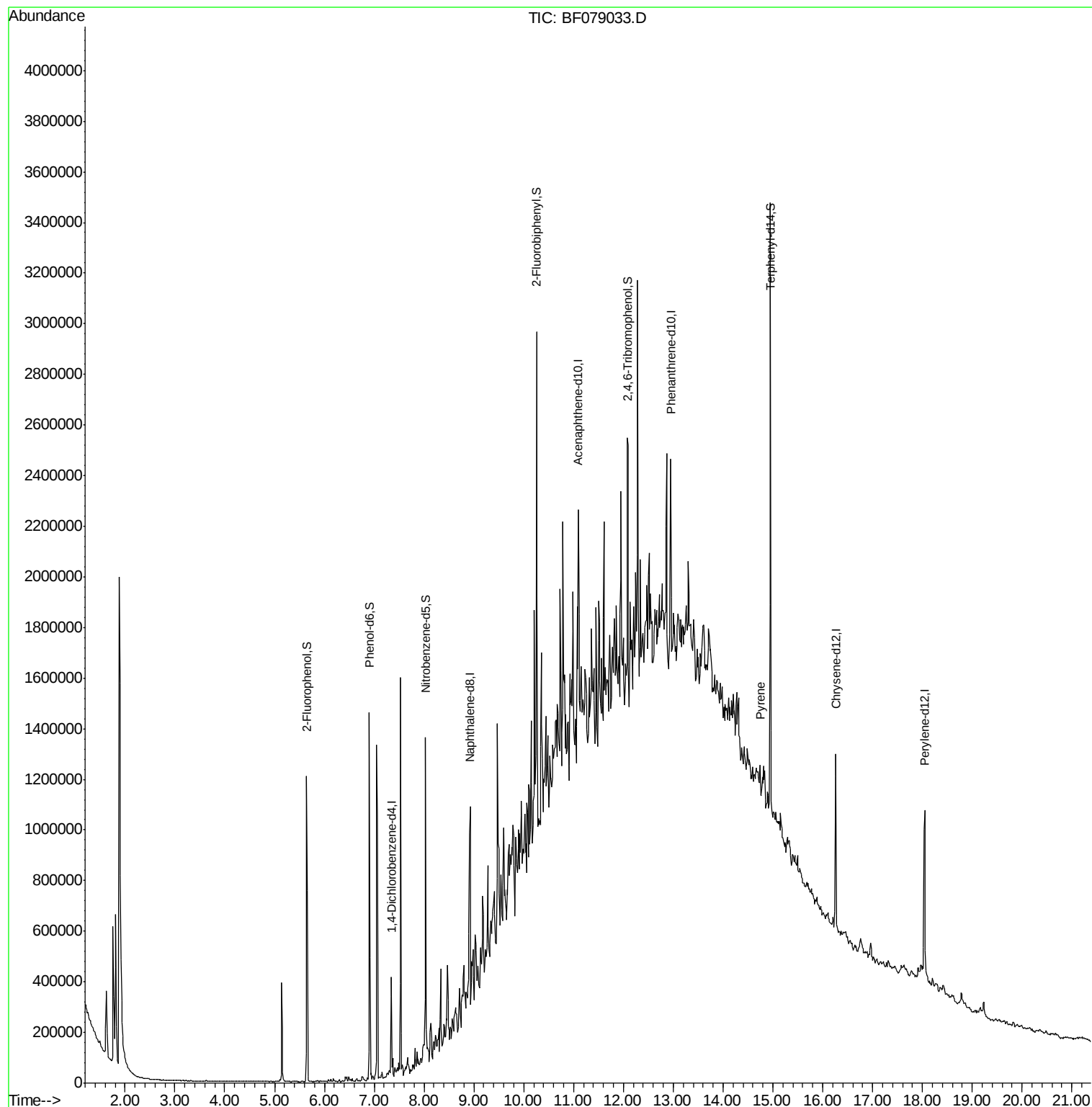
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.35  | 152  | 77467    | 20.00  | ng    | -0.02          |
| 21) Naphthalene-d8          | 8.92  | 136  | 322116   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 11.10 | 164  | 158221   | 20.00  | ng    | -0.03          |
| 63) Phenanthrene-d10        | 12.95 | 188  | 310544   | 20.00  | ng    | -0.02          |
| 75) Chrysene-d12            | 16.26 | 240  | 357012   | 20.00  | ng    | -0.03          |
| 86) Perylene-d12            | 18.05 | 264  | 364669   | 20.00  | ng    | -0.07          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.64  | 112  | 425190   | 94.48  | ng    | -0.02          |
| 7) Phenol-d6                | 6.90  | 99   | 518237   | 87.12  | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 8.03  | 82   | 376561   | 67.19  | ng    | -0.03          |
| 41) 2,4,6-Tribromophenol    | 12.09 | 330  | 174633   | 102.03 | ng    | -0.02          |
| 44) 2-Fluorobiphenyl        | 10.26 | 172  | 708338   | 62.37  | ng    | -0.03          |
| 78) Terphenyl-d14           | 14.95 | 244  | 891674   | 59.80  | ng    | -0.02          |
| Target Compounds            |       |      |          |        |       |                |
| 77) Pyrene                  | 14.74 | 202  | 53468    | 2.60   | ng    | Qvalue<br># 92 |

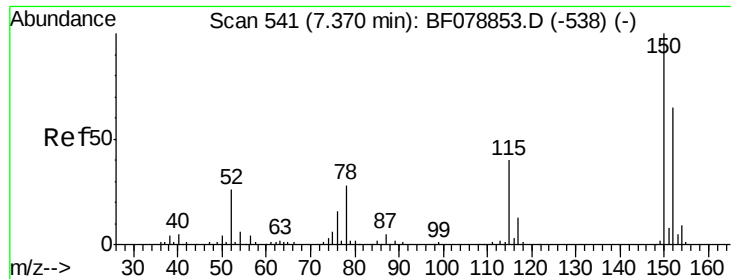
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-K55-WC

Quant Time: May 08 13:00:55 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



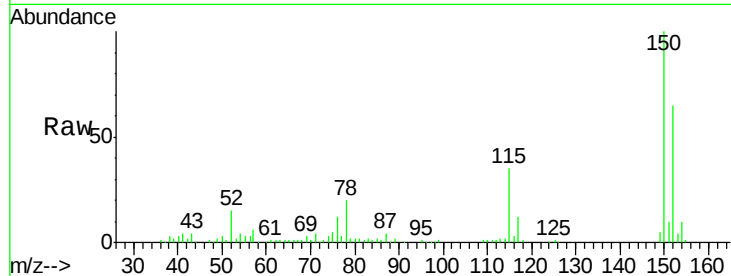


#1

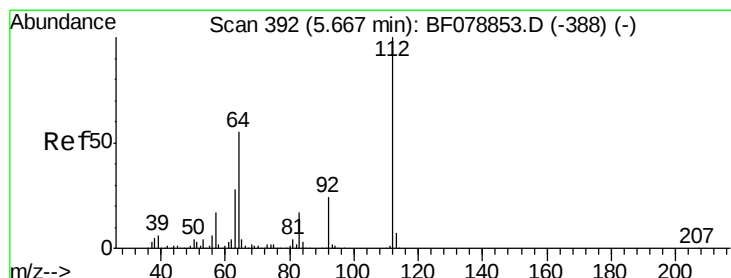
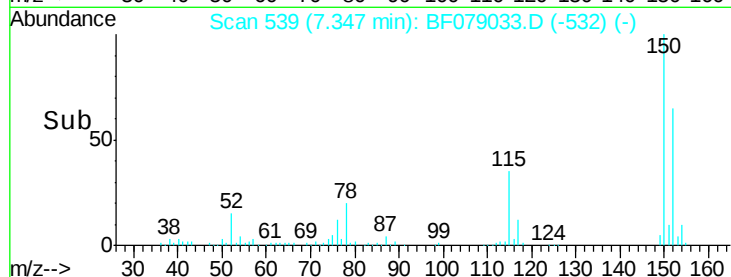
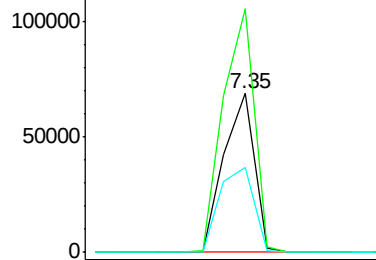
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.35 min Scan# 539  
Delta R.T. -0.02 min  
Lab File: BF079033.D  
Acq: 8 May 2015 10:54

Instrument :  
BNA\_F  
ClientSampleId :  
MW-K55-WC

Tot Ion:152 Resp: 77467  
Ion Ratio Lower Upper  
152 100  
150 153.5 122.0 183.0  
115 53.7 46.3 69.5



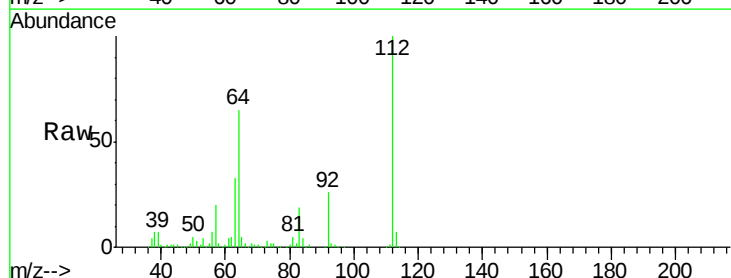
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



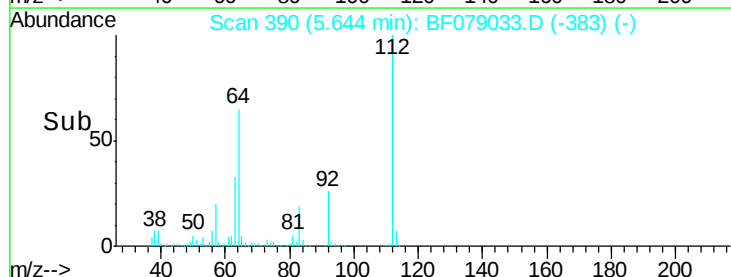
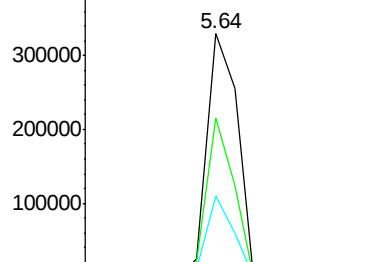
#5

2-Fluorophenol  
Concen: 94.48 ng  
RT: 5.64 min Scan# 390  
Delta R.T. -0.02 min  
Lab File: BF079033.D  
Acq: 8 May 2015 10:54

Tgt Ion:112 Resp: 425190  
Ion Ratio Lower Upper  
112 100  
64 65.3 53.5 80.3  
63 33.3 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: 87.12 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.02 min

Lab File: BF079033.D

Acq: 8 May 2015 10:54

Instrument :

BNA\_F

ClientSampleId :

MW-K55-WC

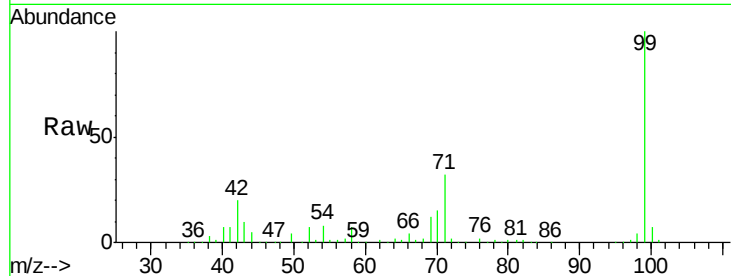
Tot Ion: 99 Resp: 518237

Ion Ratio Lower Upper

99 100

42 19.7 12.8 19.2#

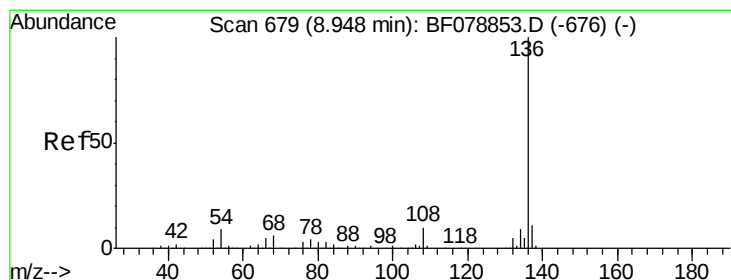
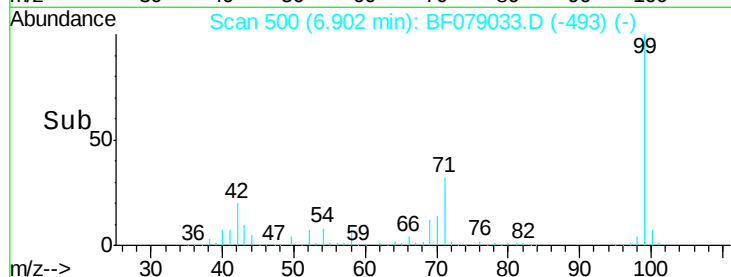
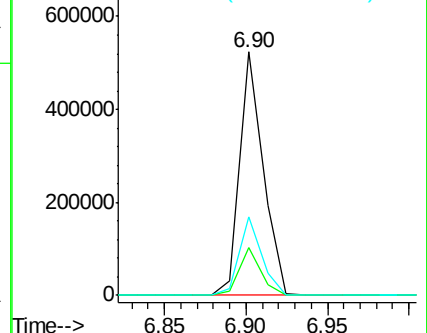
71 32.4 23.4 35.2



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: 8.92 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF079033.D

Acq: 8 May 2015 10:54

Tgt Ion: 136 Resp: 322116

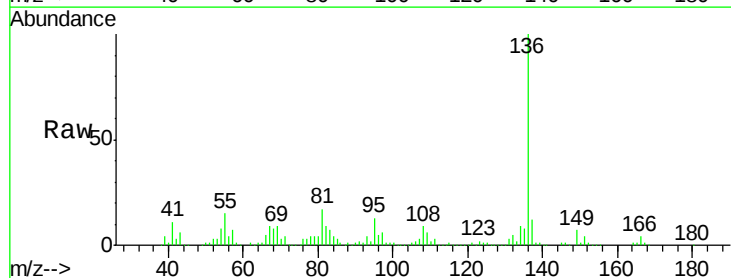
Ion Ratio Lower Upper

136 100

137 11.8 8.7 13.1

54 8.0 5.8 8.8

68 7.6 4.2 6.4#

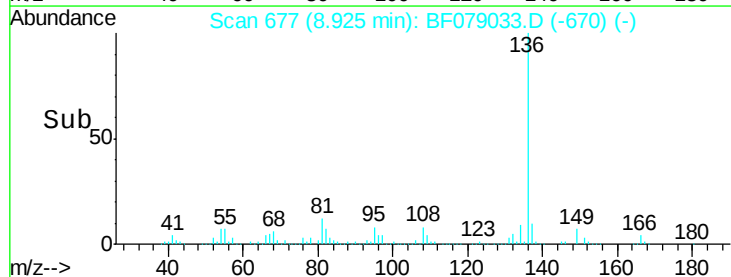
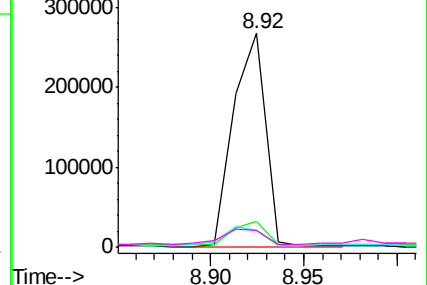


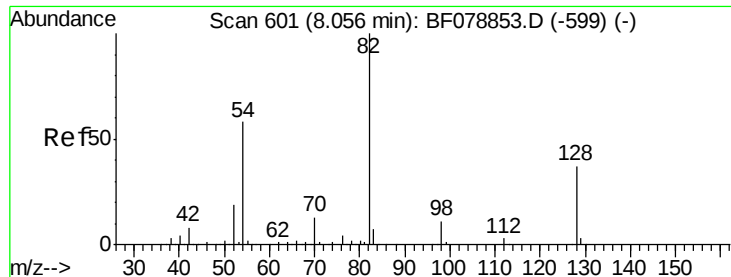
Abundance Ion 136.00 (135.70 to 136.70): E

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

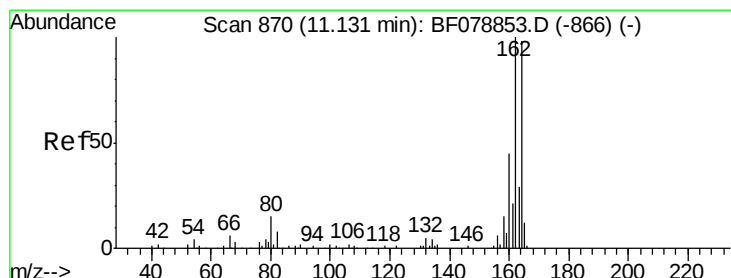
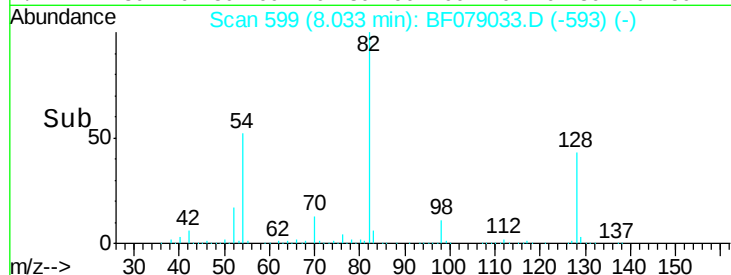
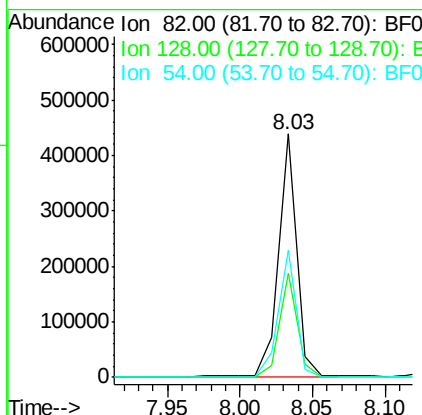
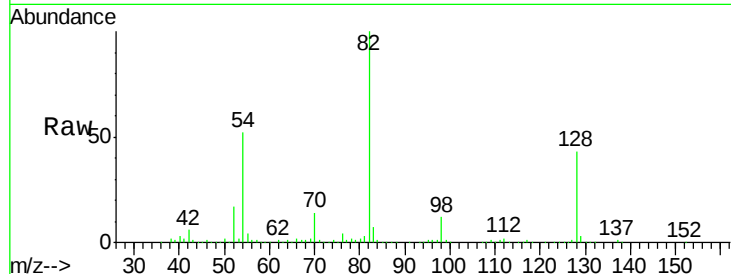




#23  
Nitrobenzene-d5  
Concen: 67.19 ng  
RT: 8.03 min Scan# 599  
Delta R.T. -0.03 min  
Lab File: BF079033.D  
Acq: 8 May 2015 10:54

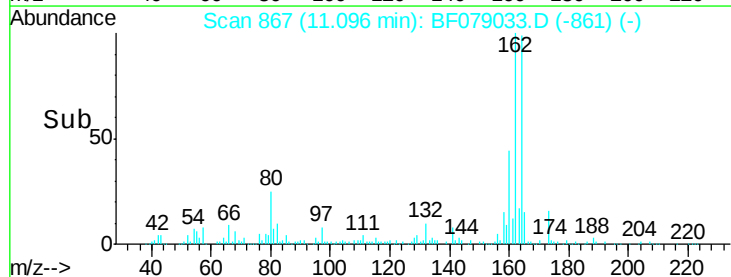
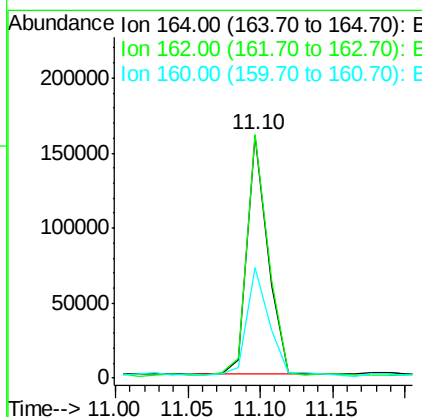
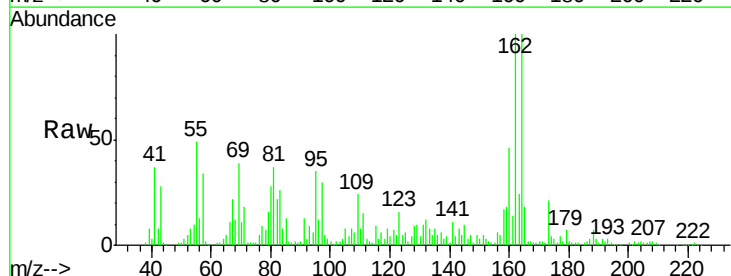
Instrument :  
BNA\_F  
ClientSampleId :  
MW-K55-WC

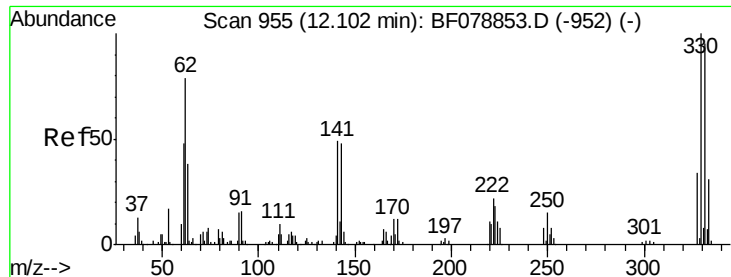
Tot Ion: 82 Resp: 376561  
Ion Ratio Lower Upper  
82 100  
128 42.9 30.0 45.0  
54 52.2 46.4 69.6



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 11.10 min Scan# 867  
Delta R.T. -0.03 min  
Lab File: BF079033.D  
Acq: 8 May 2015 10:54

Tgt Ion: 164 Resp: 158221  
Ion Ratio Lower Upper  
164 100  
162 100.4 82.7 124.1  
160 45.8 35.8 53.8

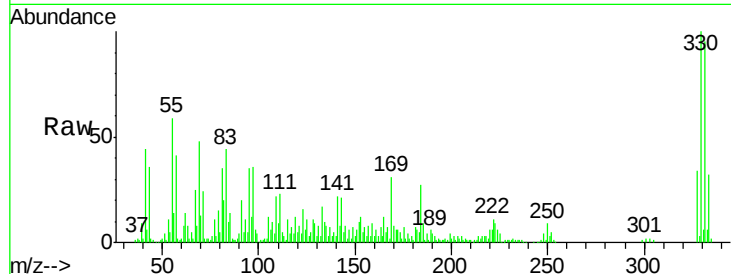




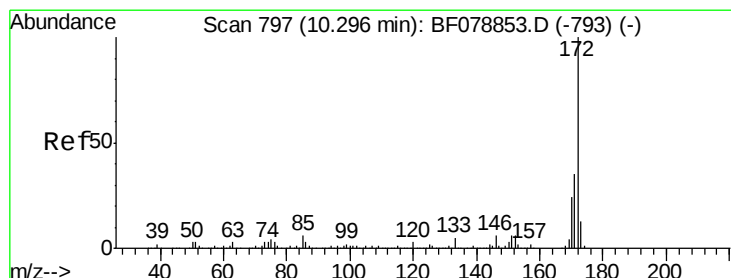
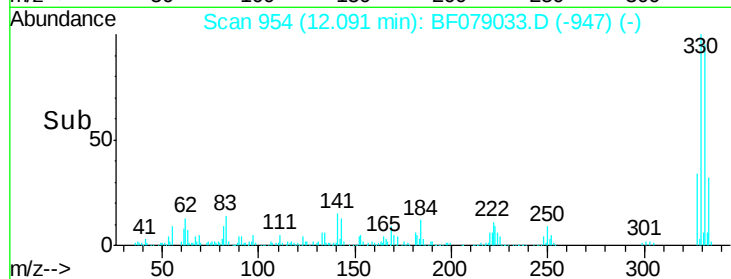
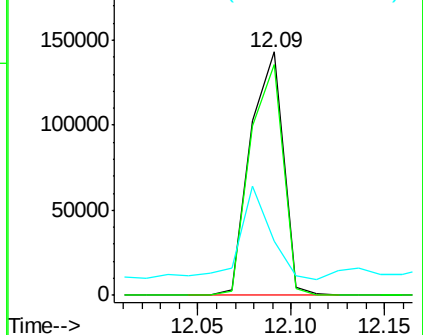
#41  
 2,4,6-Tribromophenol  
 Concen: 102.03 ng  
 RT: 12.09 min Scan# 954  
 Delta R.T. -0.02 min  
 Lab File: BF079033.D  
 Acq: 8 May 2015 10:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-K55-WC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 0.0   | 0.0#  |
| 141     | 38.0  | 0.0   | 0.0#  |

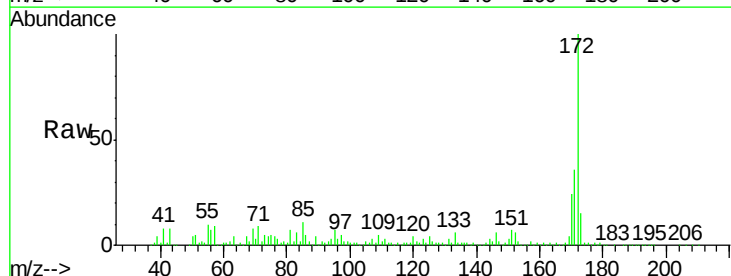


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

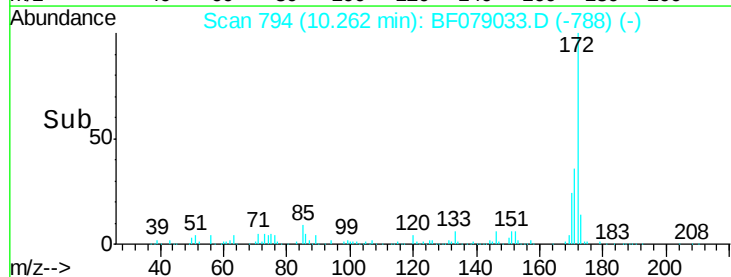
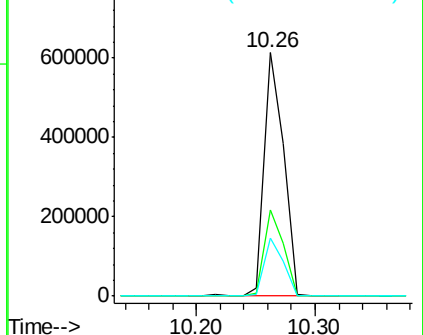


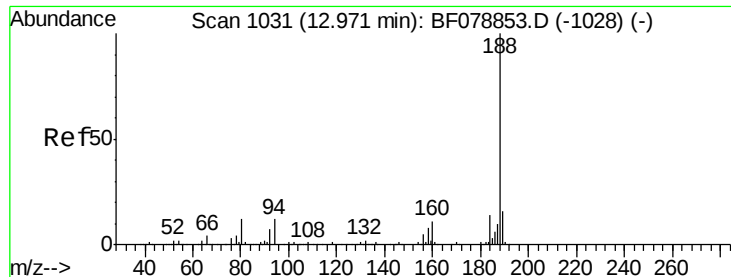
#44  
 2-Fluorobiphenyl  
 Concen: 62.37 ng  
 RT: 10.26 min Scan# 794  
 Delta R.T. -0.03 min  
 Lab File: BF079033.D  
 Acq: 8 May 2015 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 27.9  | 41.9  |
| 170     | 24.1  | 19.4  | 29.0  |



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

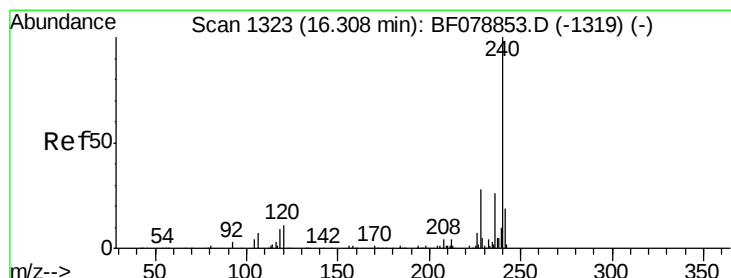
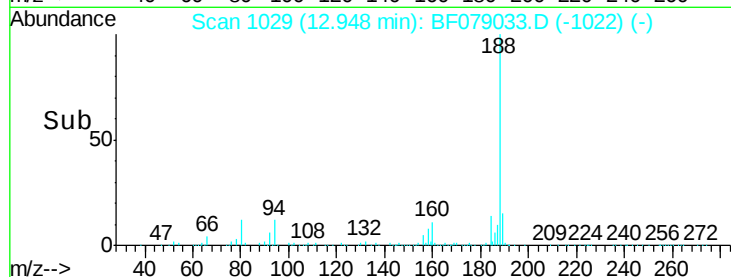
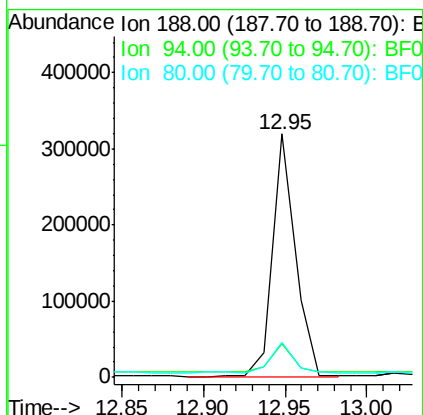
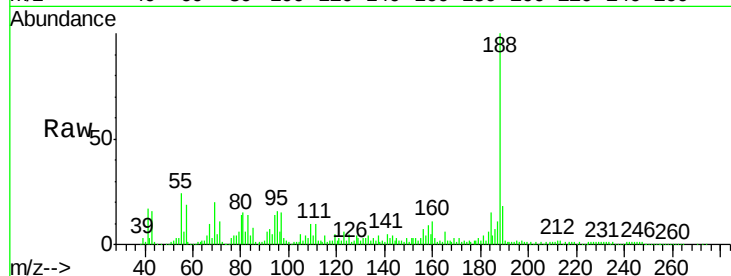




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.95 min Scan# 1029  
Delta R.T. -0.02 min  
Lab File: BF079033.D  
Acq: 8 May 2015 10:54

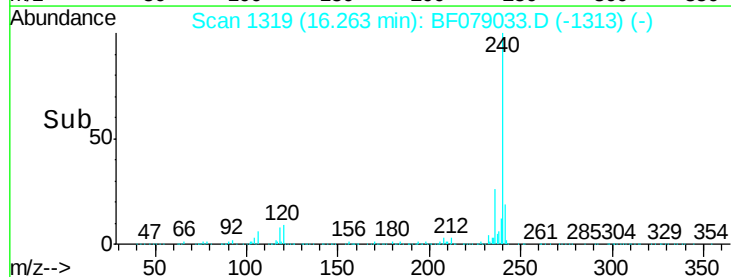
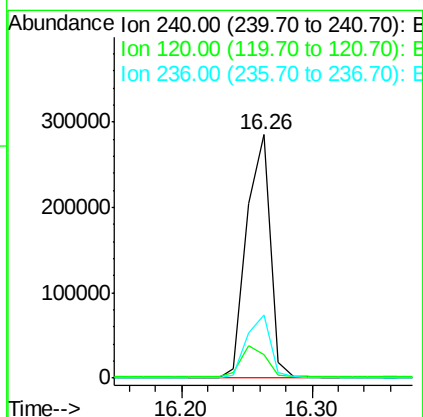
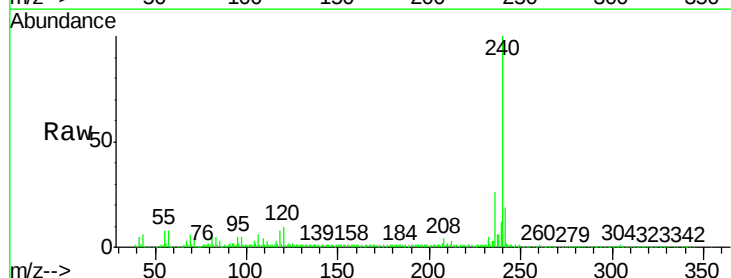
Instrument :  
BNA\_F  
ClientSampleId :  
MW-K55-WC

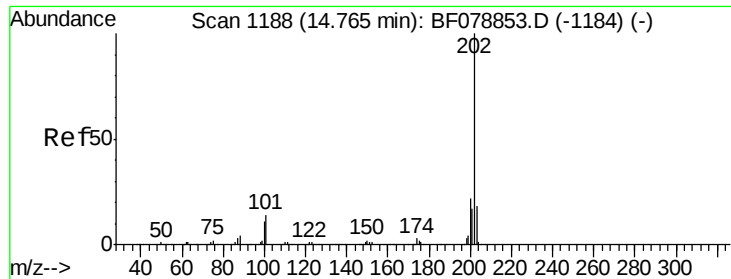
Tot Ion:188 Resp: 310544  
Ion Ratio Lower Upper  
188 100  
94 13.9 8.2 12.2#  
80 14.2 8.9 13.3#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.26 min Scan# 1319  
Delta R.T. -0.03 min  
Lab File: BF079033.D  
Acq: 8 May 2015 10:54

Tgt Ion:240 Resp: 357012  
Ion Ratio Lower Upper  
240 100  
120 9.8 9.7 14.5  
236 25.8 20.2 30.4





#77

Pvrene

Concen: 2.60 ng

RT: 14.74 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF079033.D

Acq: 8 May 2015 10:54

Instrument :

BNA\_F

ClientSampleId :

MW-K55-WC

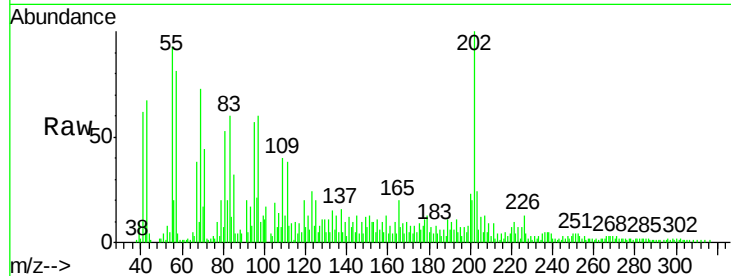
Tot Ion:202 Resp: 53468

Ion Ratio Lower Upper

202 100

200 22.8 17.5 26.3

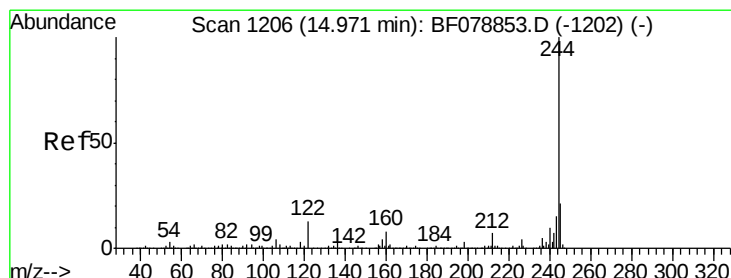
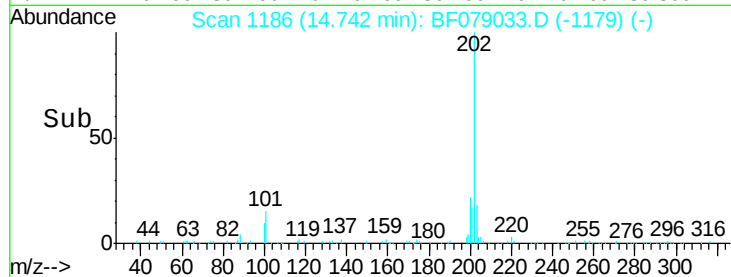
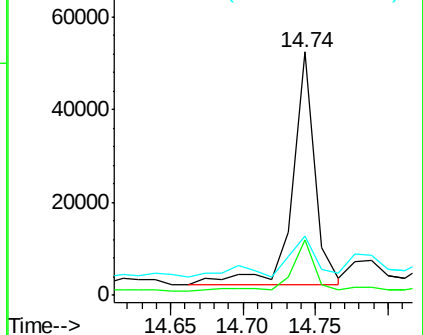
203 24.4 13.9 20.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 59.80 ng

RT: 14.95 min Scan# 1204

Delta R.T. -0.02 min

Lab File: BF079033.D

Acq: 8 May 2015 10:54

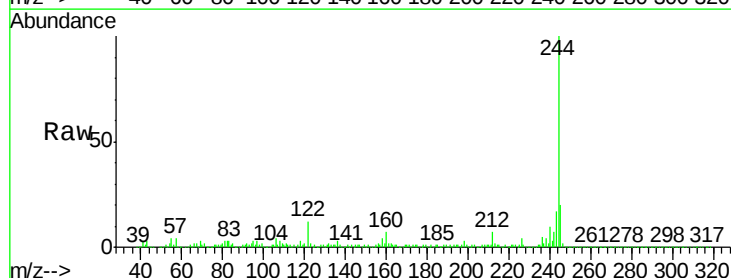
Tgt Ion:244 Resp: 891674

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

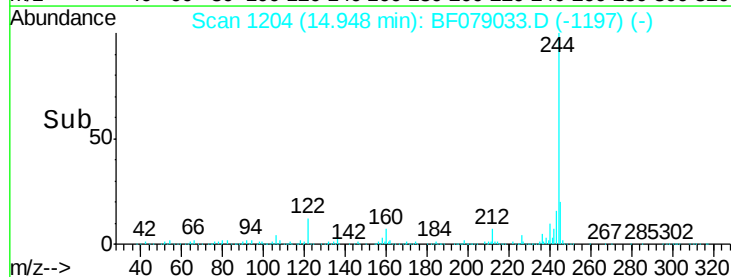
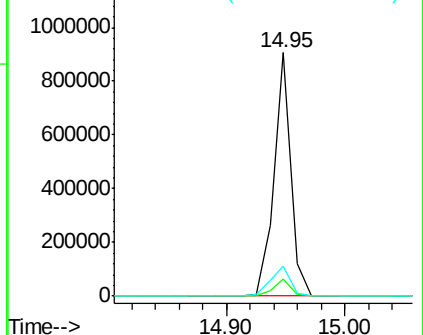
122 12.4 10.3 15.5

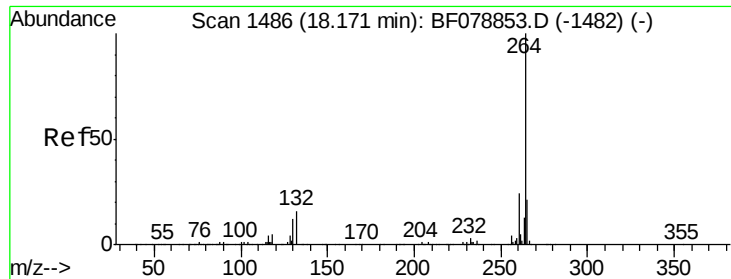


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

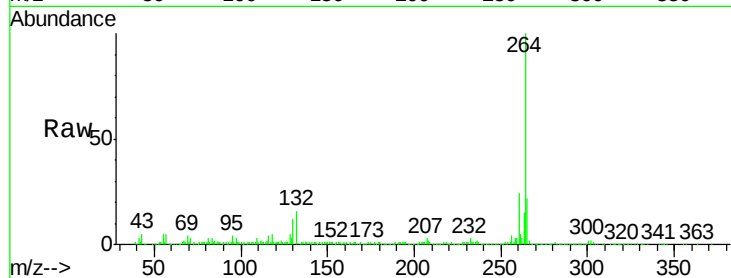




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 18.05 min Scan# 1475  
Delta R.T. -0.07 min  
Lab File: BF079033.D  
Acq: 8 May 2015 10:54

Instrument :  
BNA\_F  
ClientSampleId :  
MW-K55-WC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.4  | 29.2  |
| 265     | 21.5  | 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

