

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031015\  
 Data File : BF077667.D  
 Acq On : 10 Mar 2015 18:09  
 Operator : TP/IZ  
 Sample : G1466-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-087-3915

Quant Time: Mar 11 01:45:35 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 11 00:54:19 2015  
 Response via : Initial Calibration

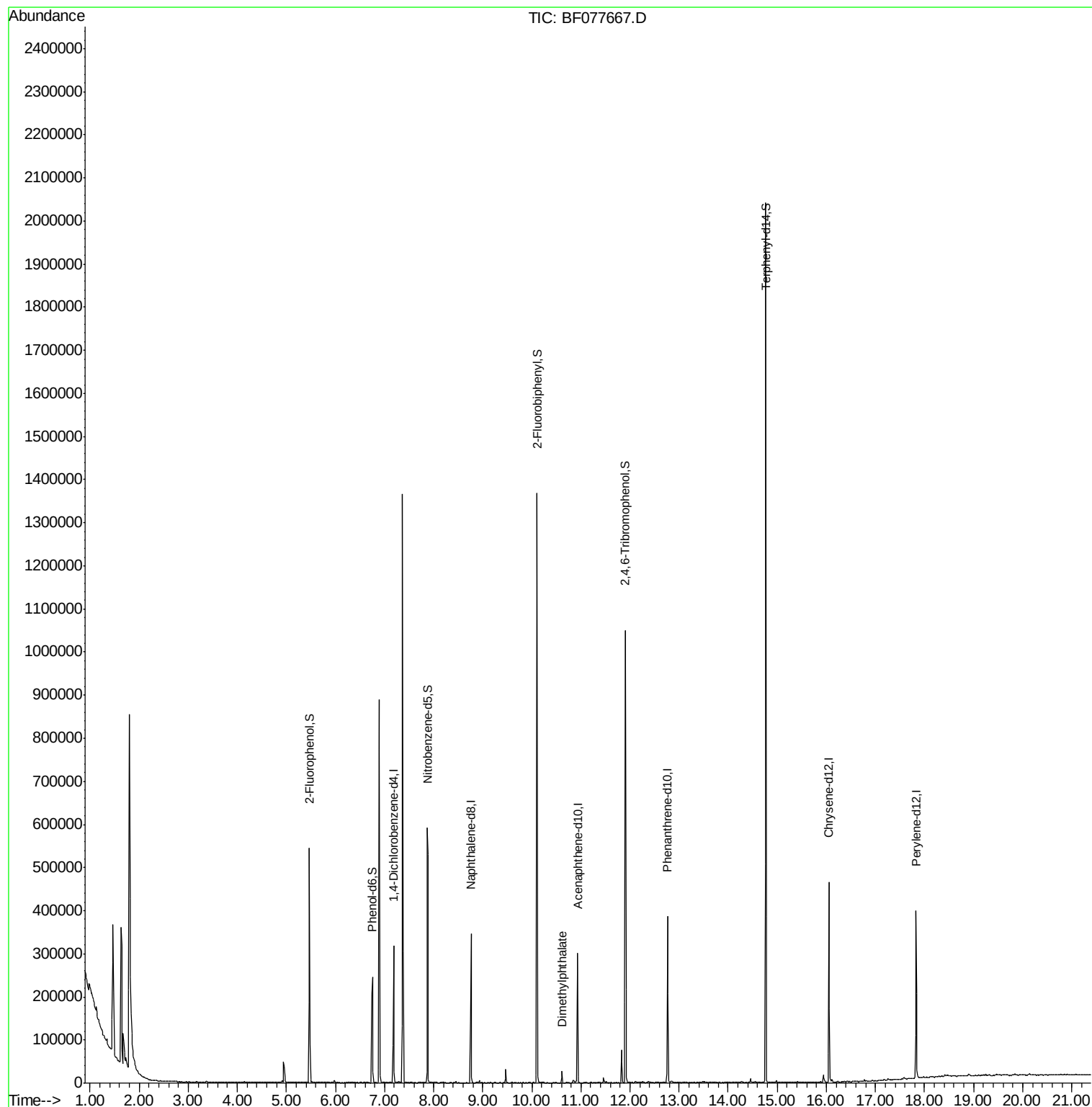
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.18  | 152  | 50885    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.76  | 136  | 179081   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 10.93 | 164  | 86524    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 12.77 | 188  | 179104   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 16.06 | 240  | 193307   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 17.83 | 264  | 188191   | 20.00  | ng    | -0.08        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.47  | 112  | 173699   | 56.99  | ng    | 0.00         |
| 7) Phenol-d6                | 6.75  | 99   | 123515   | 31.52  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.88  | 82   | 276146   | 95.89  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 11.91 | 330  | 125874   | 151.09 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 10.11 | 172  | 630719   | 113.66 | ng    | 0.00         |
| 78) Terphenyl-d14           | 14.76 | 244  | 727239   | 87.95  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 10.61 | 163  | 14077    | 2.31   | ng    | Qvalue<br>99 |

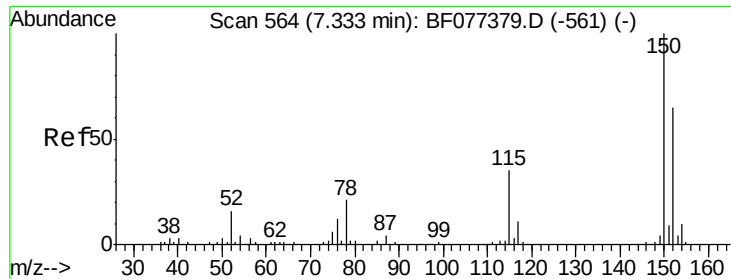
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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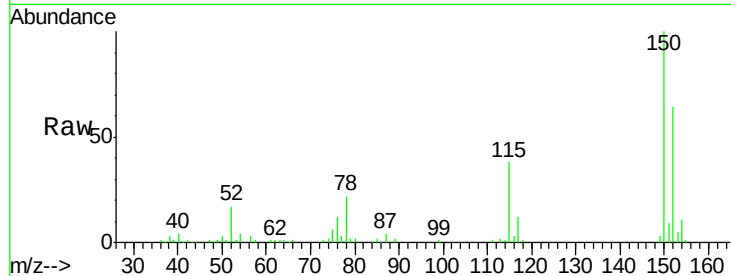


#1

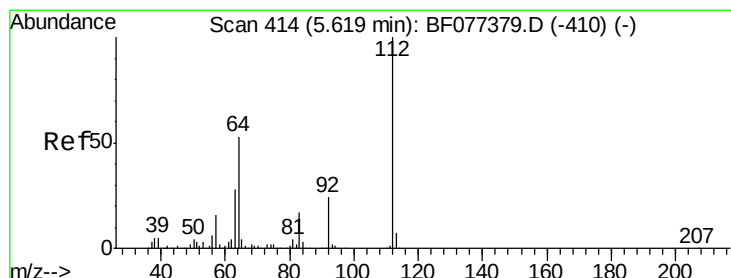
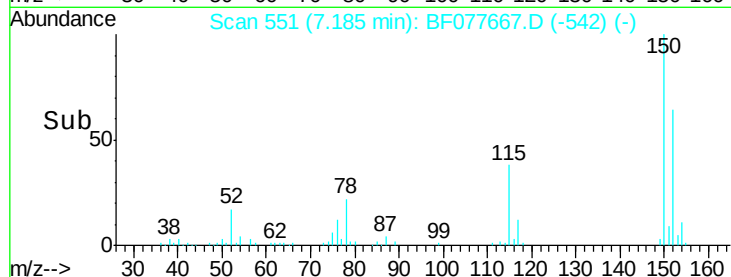
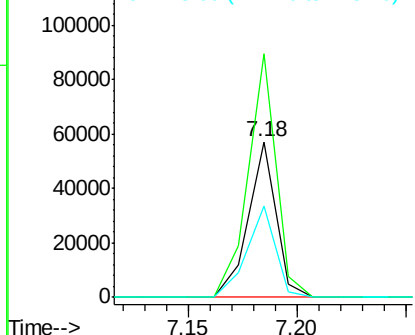
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.18 min Scan# 551  
Delta R.T. -0.00 min  
Lab File: BF077667.D  
Acq: 10 Mar 2015 18:09

Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-087-3915

Tot Ion:152 Resp: 50885  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.0 186.0  
115 58.8 49.4 74.2



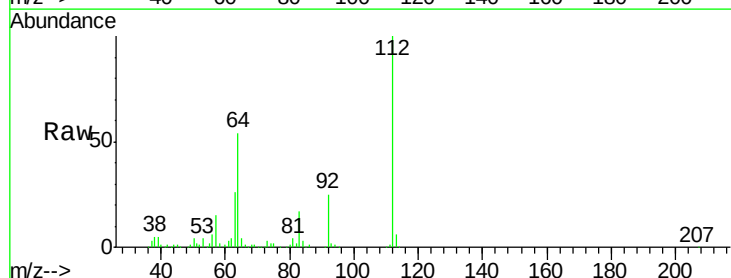
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



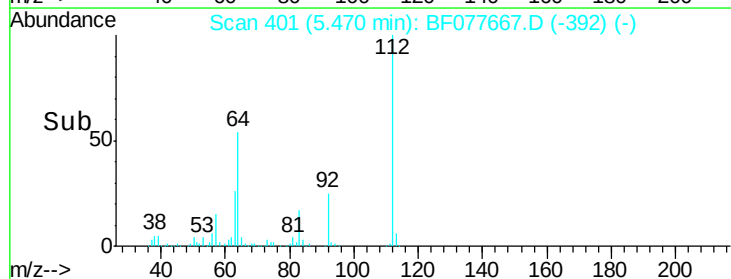
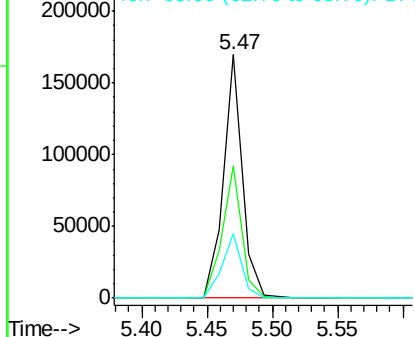
#5

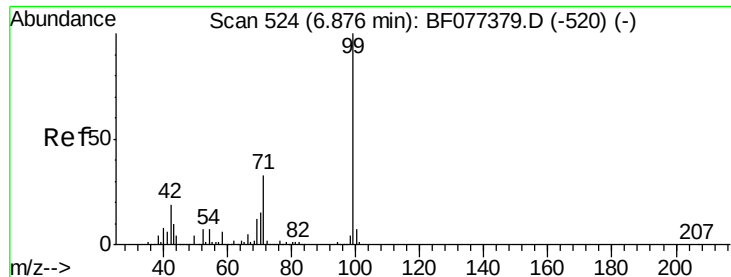
2-Fluorophenol  
Concen: 56.99 ng  
RT: 5.47 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BF077667.D  
Acq: 10 Mar 2015 18:09

Tgt Ion:112 Resp: 173699  
Ion Ratio Lower Upper  
112 100  
64 54.1 48.5 72.7  
63 26.5 25.0 37.4



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: 31.52 ng

RT: 6.75 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF077667.D

Acq: 10 Mar 2015 18:09

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-087-3915

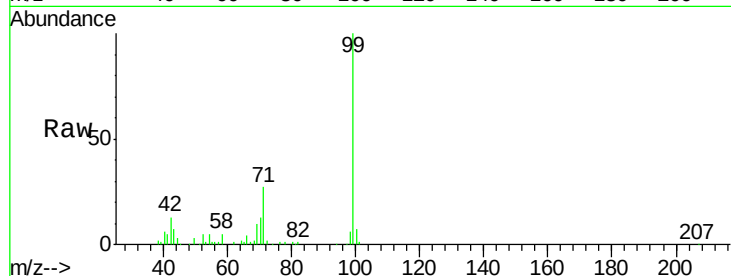
Tot Ion: 99 Resp: 123515

Ion Ratio Lower Upper

99 100

42 13.0 16.2 24.4#

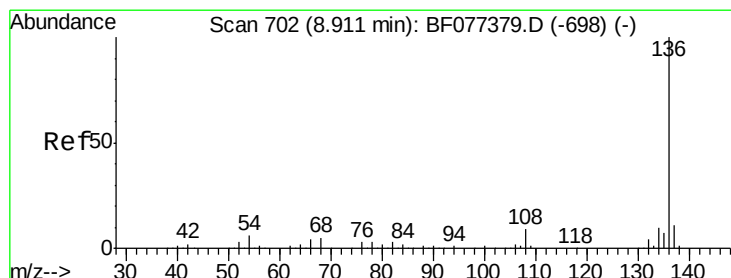
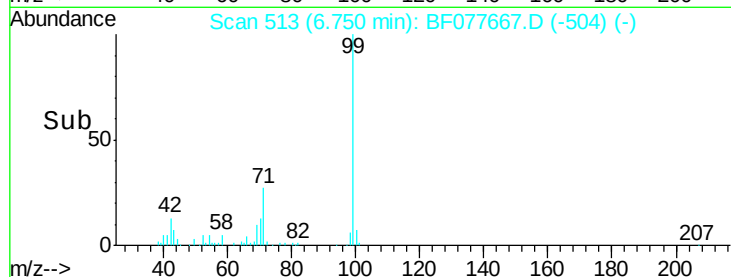
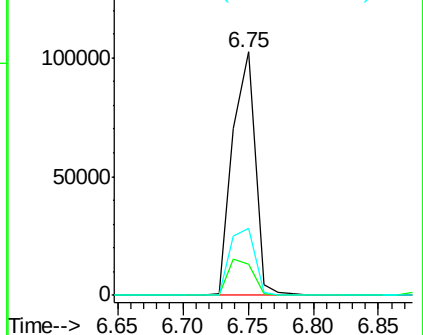
71 27.3 26.7 40.1



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: 8.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF077667.D

Acq: 10 Mar 2015 18:09

Tgt Ion: 136 Resp: 179081

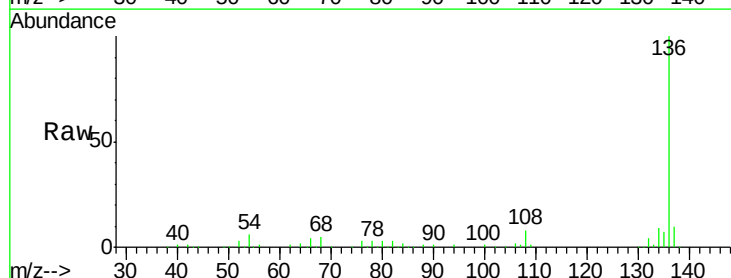
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 5.8 6.2 9.4#

68 4.9 5.0 7.6#

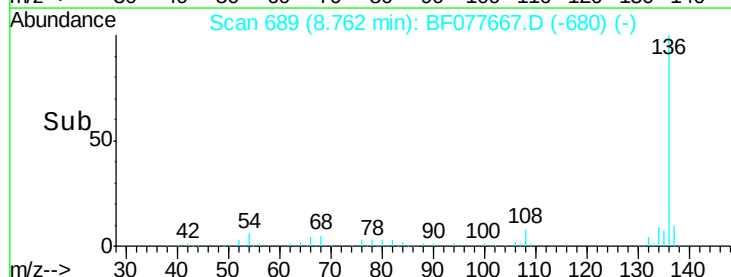
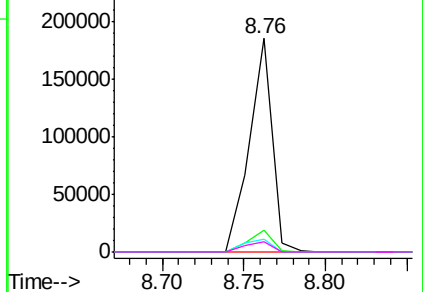


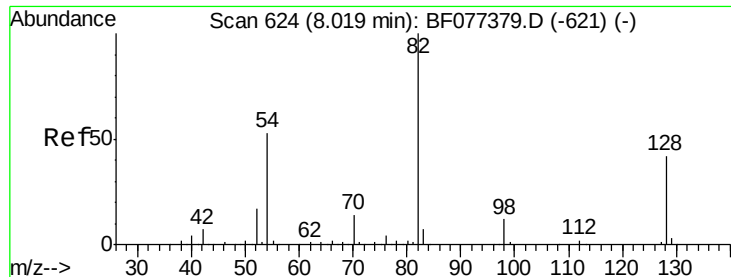
Abundance Ion 136.00 (135.70 to 136.70): E

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

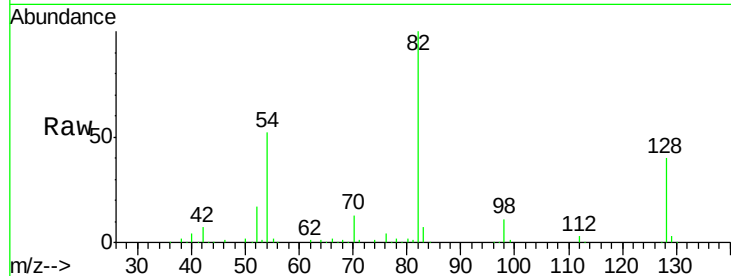




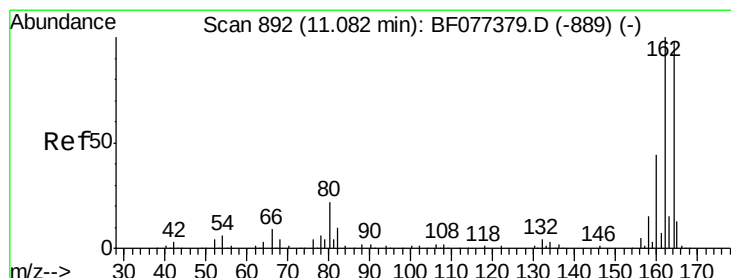
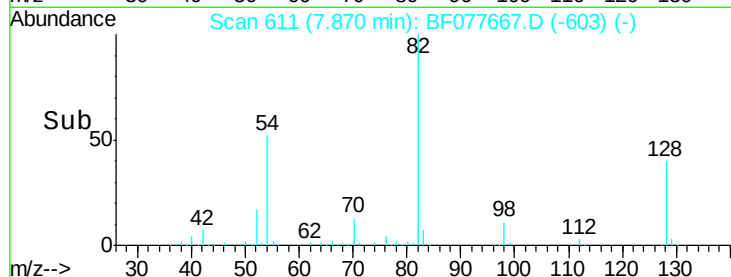
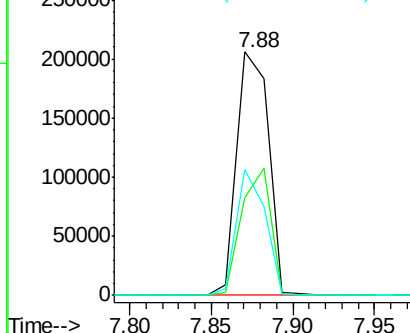
#23  
 Nitrobenzene-d5  
 Concen: 95.89 ng  
 RT: 7.88 min Scan# 611  
 Delta R.T. -0.00 min  
 Lab File: BF077667.D  
 Acq: 10 Mar 2015 18:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-087-3915

Tot Ion: 82 Resp: 276146  
 Ion Ratio Lower Upper  
 82 100  
 128 39.9 43.8 65.8#  
 54 51.7 36.7 55.1

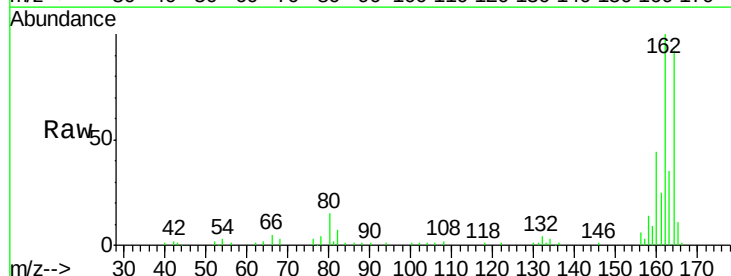


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

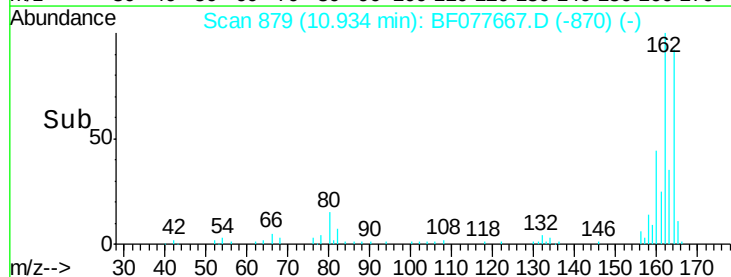
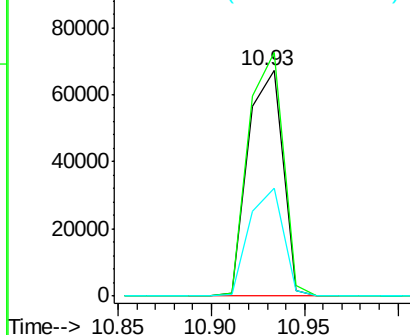


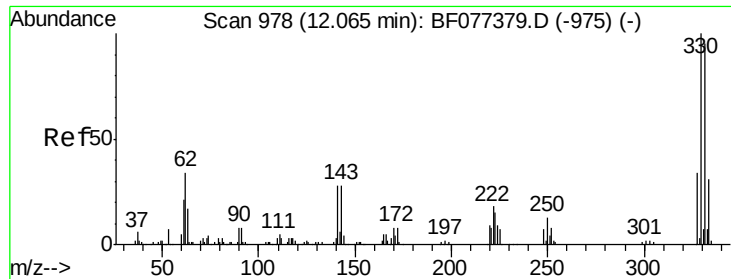
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.93 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF077667.D  
 Acq: 10 Mar 2015 18:09

Tgt Ion: 164 Resp: 86524  
 Ion Ratio Lower Upper  
 164 100  
 162 108.2 83.2 124.8  
 160 47.8 34.6 52.0



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

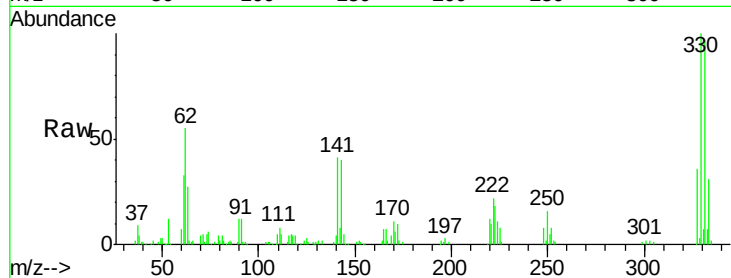




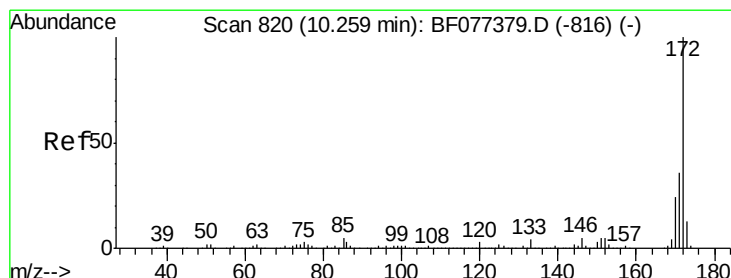
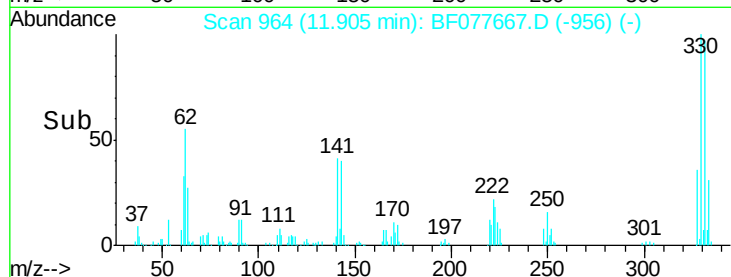
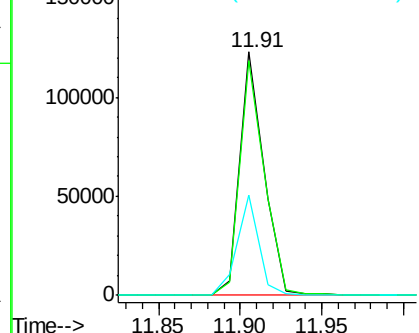
#41  
 2,4,6-Tribromophenol  
 Concen: 151.09 ng  
 RT: 11.91 min Scan# 964  
 Delta R.T. -0.00 min  
 Lab File: BF077667.D  
 Acq: 10 Mar 2015 18:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-087-3915

Tot Ion:330 Resp: 125874  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 77.4 116.2  
 141 36.8 28.8 43.2

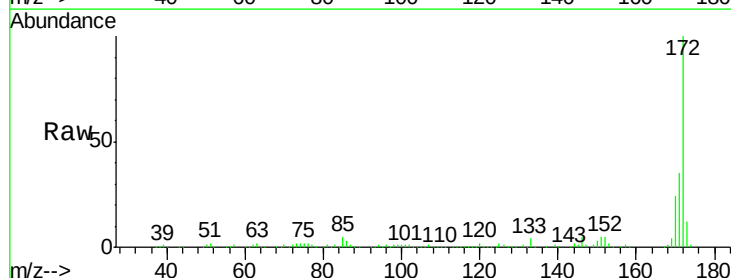


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

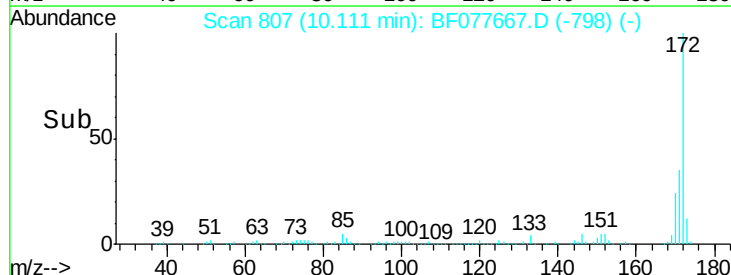
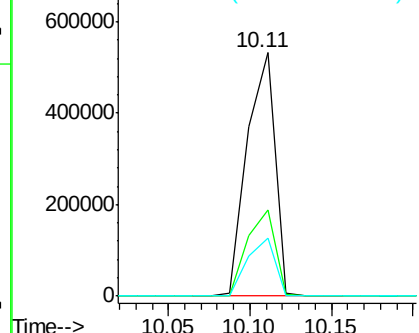


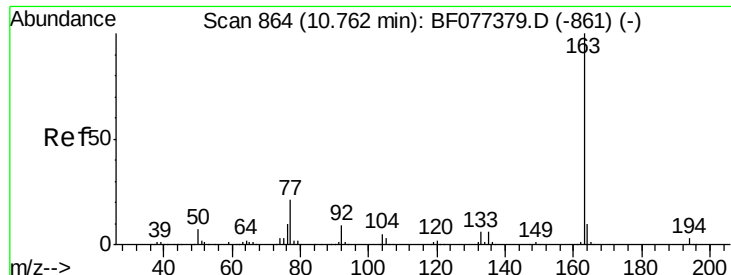
#44  
 2-Fluorobiphenyl  
 Concen: 113.66 ng  
 RT: 10.11 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: BF077667.D  
 Acq: 10 Mar 2015 18:09

Tgt Ion:172 Resp: 630719  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.9 43.3  
 170 23.7 19.4 29.2



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

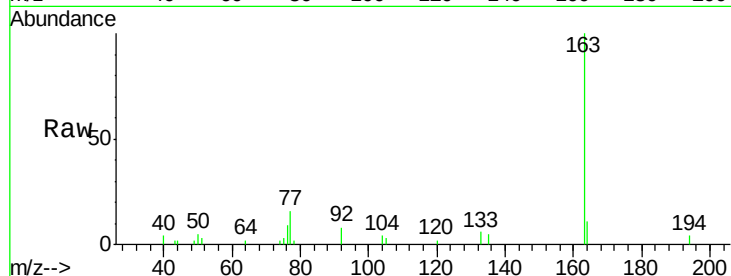




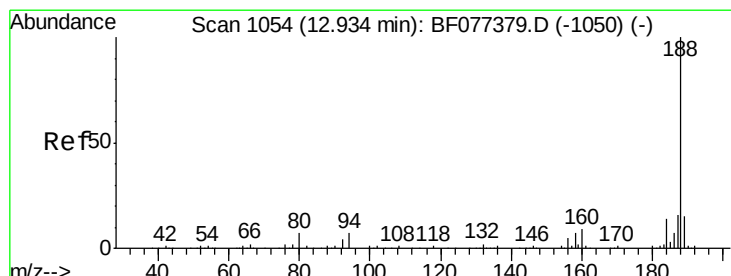
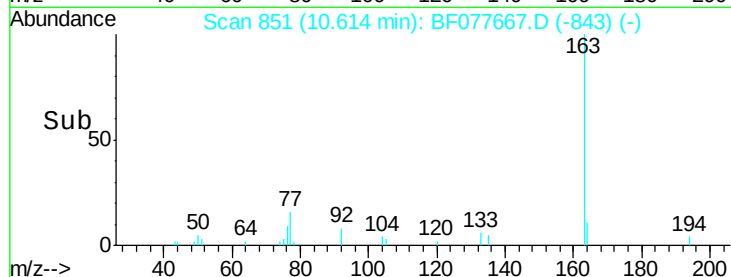
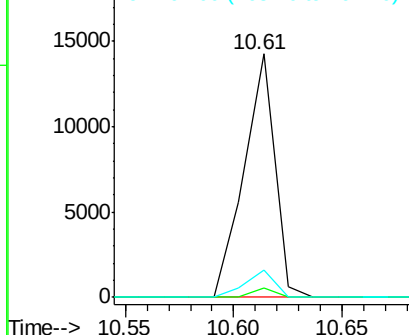
#49  
Dimethylphthalate  
Concen: 2.31 ng  
RT: 10.61 min Scan# 851  
Delta R.T. -0.01 min  
Lab File: BF077667.D  
Acq: 10 Mar 2015 18:09

Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-087-3915

Tot Ion:163 Resp: 14077  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.6 4.0  
164 11.1 8.6 13.0

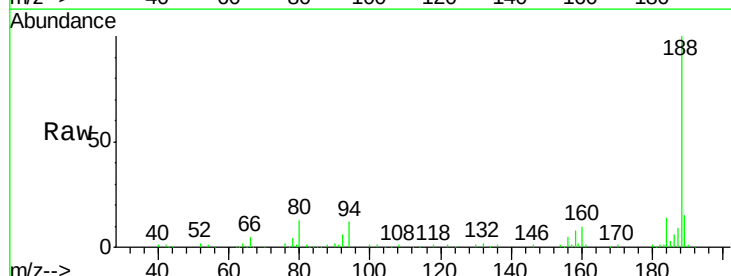


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

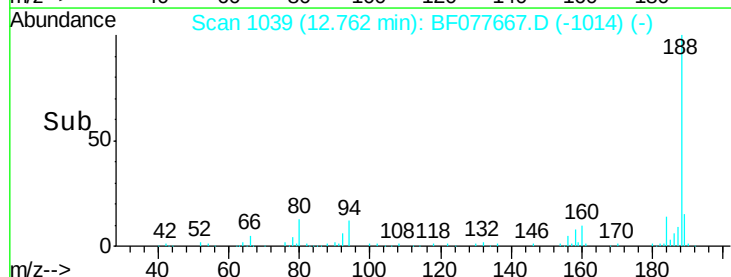
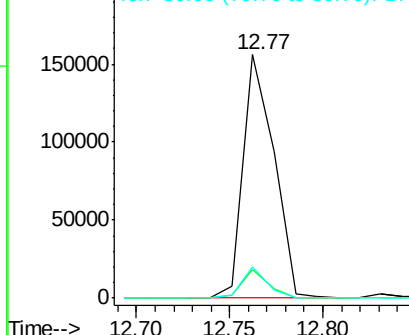


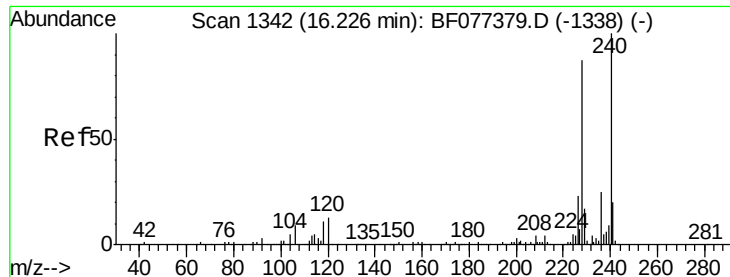
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.77 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BF077667.D  
Acq: 10 Mar 2015 18:09

Tgt Ion:188 Resp: 179104  
Ion Ratio Lower Upper  
188 100  
94 11.5 7.4 11.2#  
80 12.6 8.0 12.0#



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: 16.06 min Scan# 1327

Delta R.T. -0.02 min

Lab File: BF077667.D

Acq: 10 Mar 2015 18:09

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-087-3915

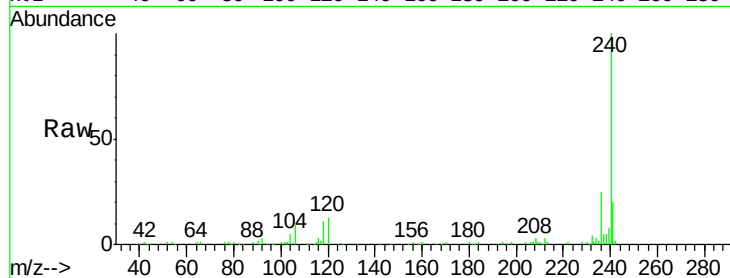
Tot Ion:240 Resp: 193307

Ion Ratio Lower Upper

240 100

120 13.1 8.8 13.2

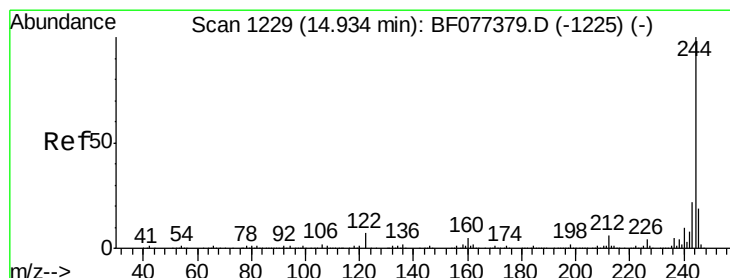
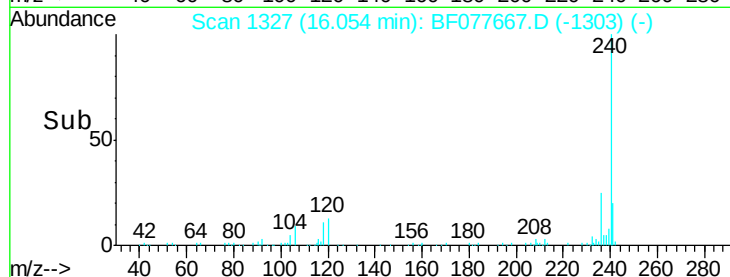
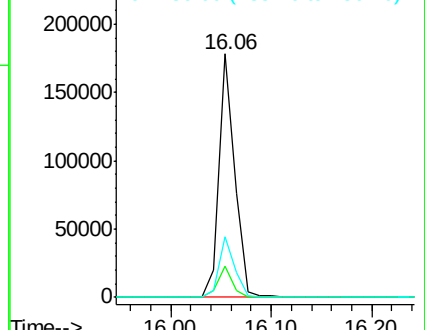
236 25.0 20.7 31.1



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: 87.95 ng

RT: 14.76 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF077667.D

Acq: 10 Mar 2015 18:09

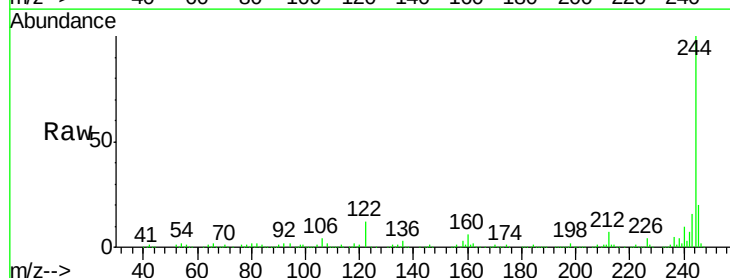
Tgt Ion:244 Resp: 727239

Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

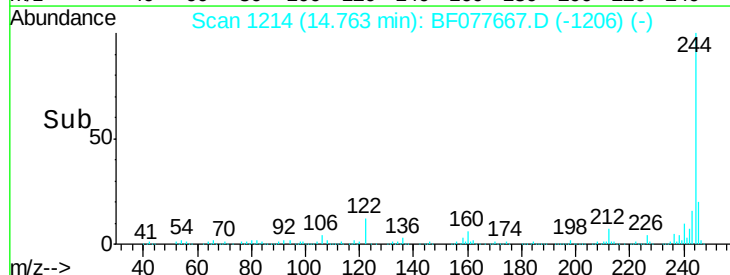
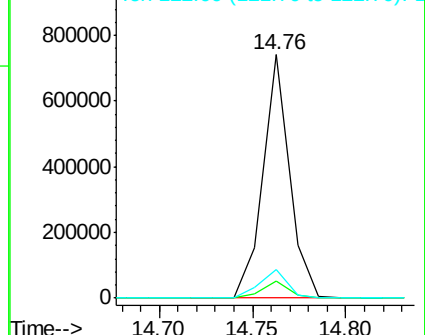
122 11.7 7.8 11.8



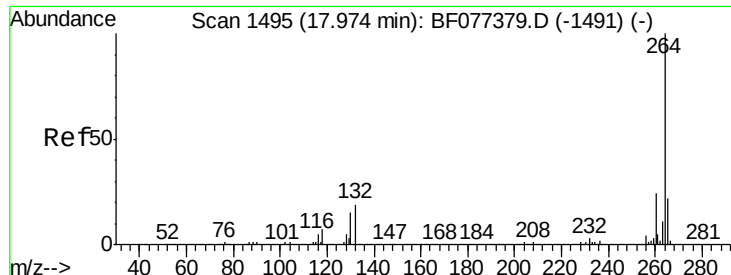
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



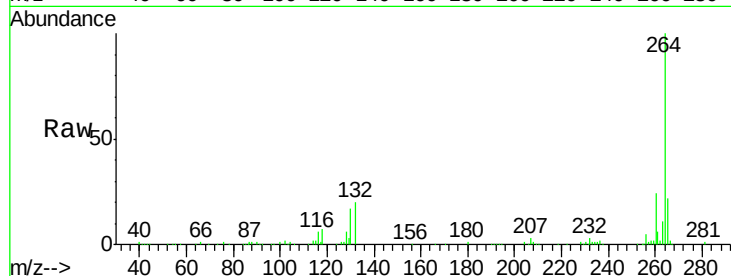




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 17.83 min Scan# 1482  
Delta R.T. -0.08 min  
Lab File: BF077667.D  
Acq: 10 Mar 2015 18:09

Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-087-3915

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.3  | 28.9  |
| 265     | 22.3  | 16.8  | 25.2  |



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

