

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032515\  
 Data File : BF077977.D  
 Acq On : 26 Mar 2015 5:00  
 Operator : TP/IZ  
 Sample : G1643-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5-3-23-15

Quant Time: Mar 26 05:59:00 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 26 00:45:24 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.09  | 152  | 43492    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.67  | 136  | 175309   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.84 | 164  | 85618    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.67 | 188  | 179677   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 15.95 | 240  | 202545   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 17.67 | 264  | 195808   | 20.00  | ng    | -0.08    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 128108   | 51.42  | ng    | 0.00     |
| 7) Phenol-d6                | 6.67  | 99   | 98952    | 32.14  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.79  | 82   | 218916   | 81.86  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.81 | 330  | 91954    | 112.25 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 10.02 | 172  | 478298   | 82.10  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.67 | 244  | 571844   | 68.96  | ng    | 0.00     |

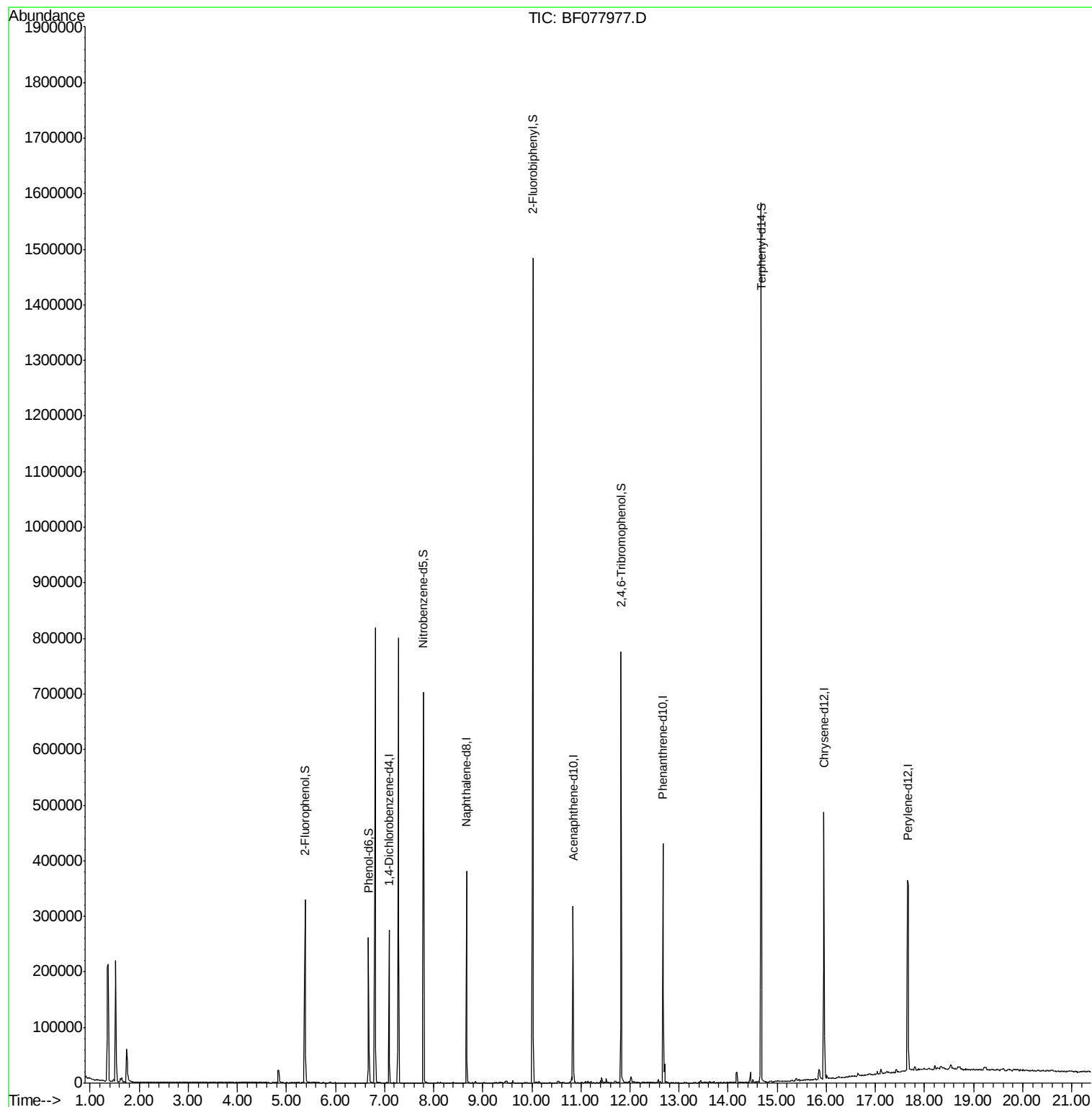
Target Compounds Qvalue

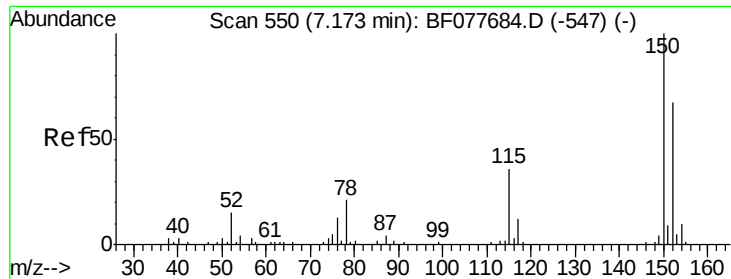
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 26 00:45:24 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: BF077977.D

Acq: 26 Mar 2015 5:00

Instrument :

BNA\_F

ClientSampleId :

MW-5-3-23-15

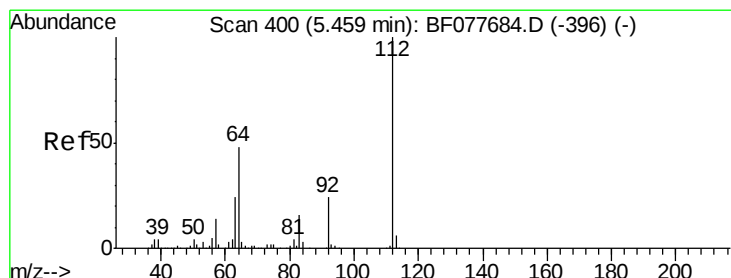
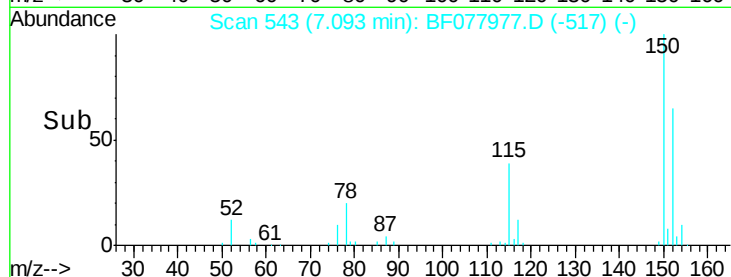
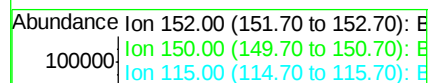
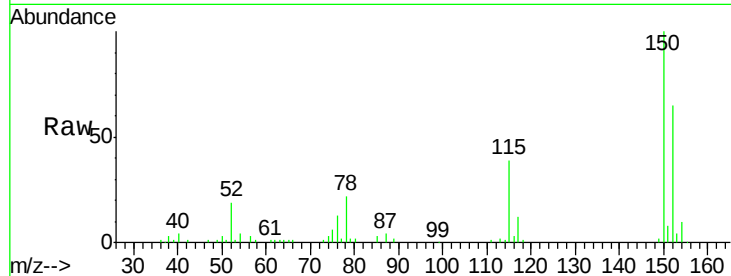
Tot Ion:152 Resp: 43492

Ion Ratio Lower Upper

152 100

150 153.7 119.5 179.3

115 59.3 43.0 64.4



#5

2-Fluorophenol

Concen: 51.42 ng

RT: 5.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF077977.D

Acq: 26 Mar 2015 5:00

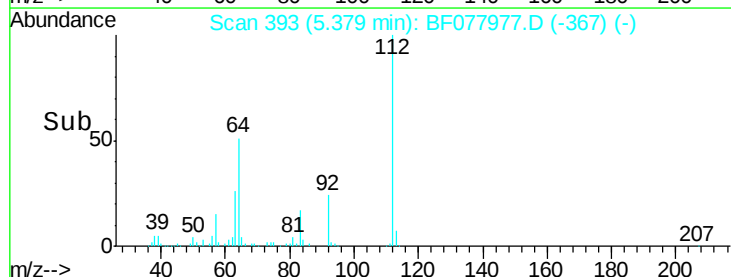
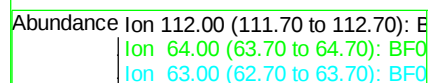
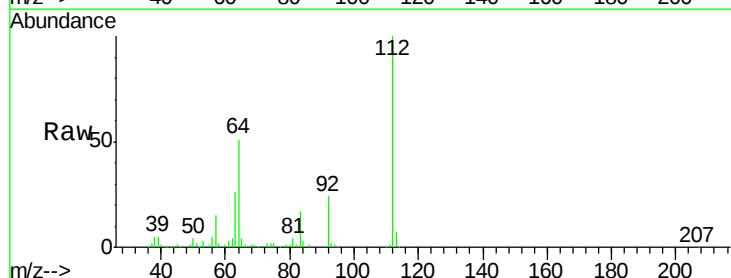
Tgt Ion:112 Resp: 128108

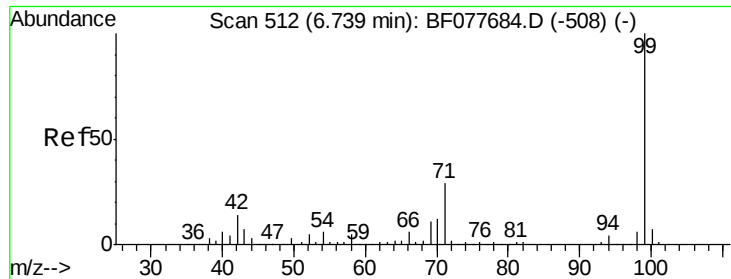
Ion Ratio Lower Upper

112 100

64 50.9 38.6 57.8

63 26.0 19.3 28.9





#7

Phenol-d6

Concen: 32.14 ng

RT: 6.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF077977.D

Acq: 26 Mar 2015 5:00

Instrument :

BNA\_F

ClientSampleId :

MW-5-3-23-15

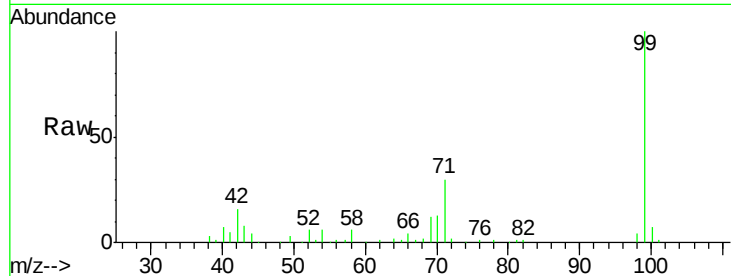
Tot Ion: 99 Resp: 98952

Ion Ratio Lower Upper

99 100

42 16.3 11.0 16.4

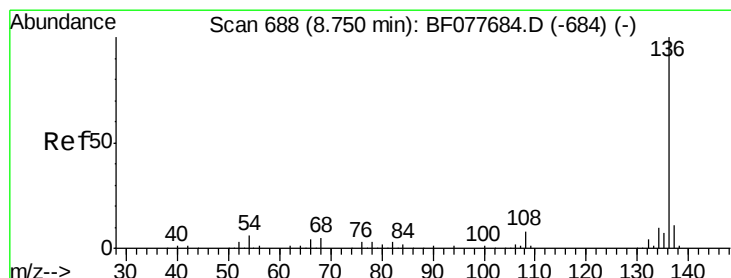
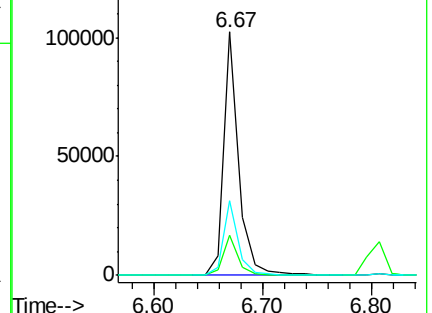
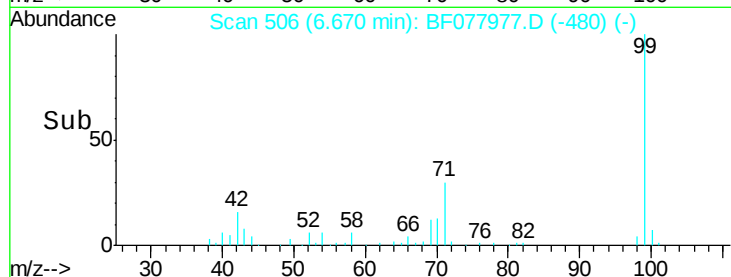
71 30.5 23.4 35.2



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: 8.67 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF077977.D

Acq: 26 Mar 2015 5:00

Tgt Ion: 136 Resp: 175309

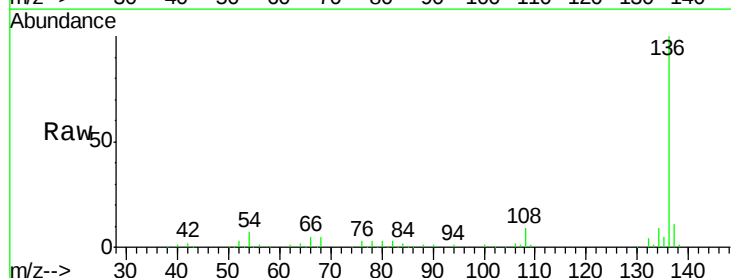
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.6 4.6 6.8

68 5.4 3.7 5.5

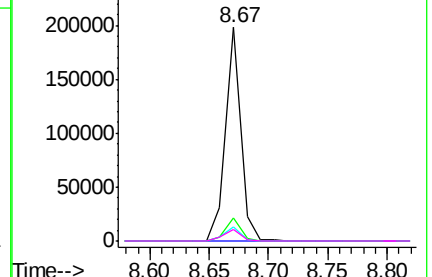
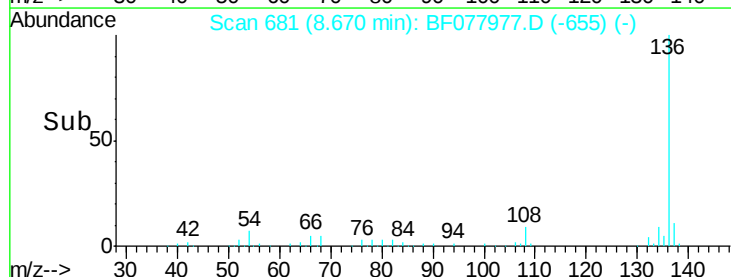


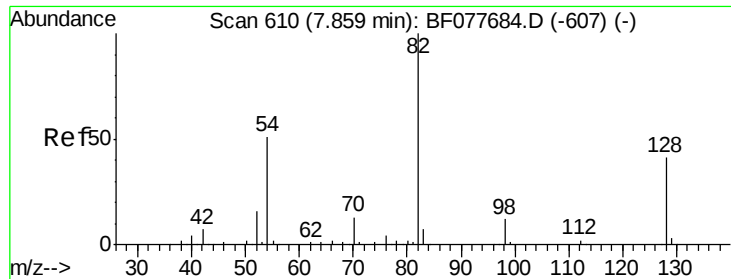
Abundance Ion 136.00 (135.70 to 136.70): E

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

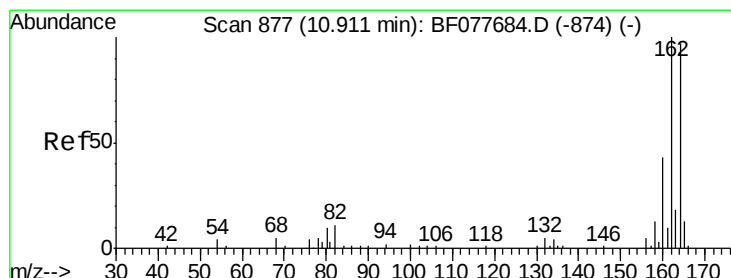
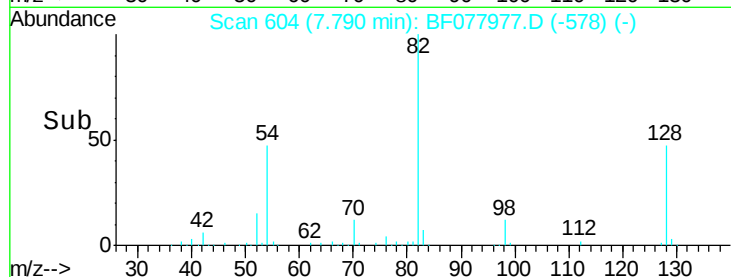
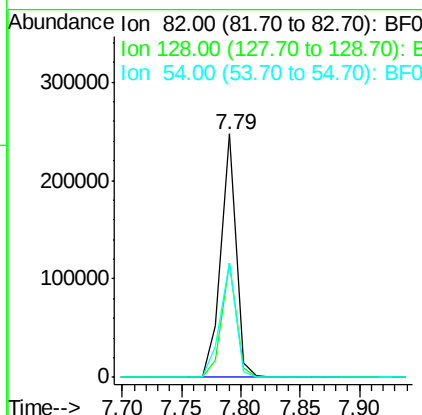
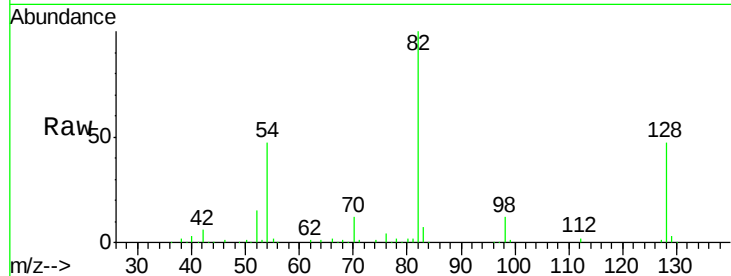




#23  
 Nitrobenzene-d5  
 Concen: 81.86 ng  
 RT: 7.79 min Scan# 604  
 Delta R.T. 0.00 min  
 Lab File: BF077977.D  
 Acq: 26 Mar 2015 5:00

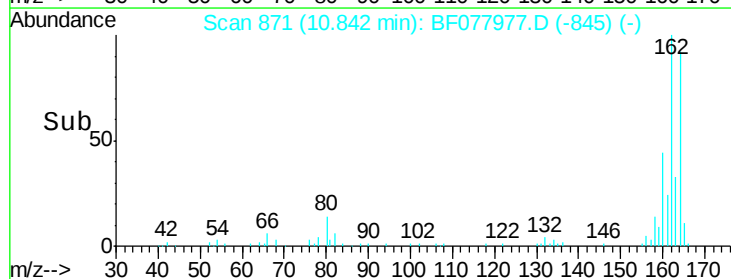
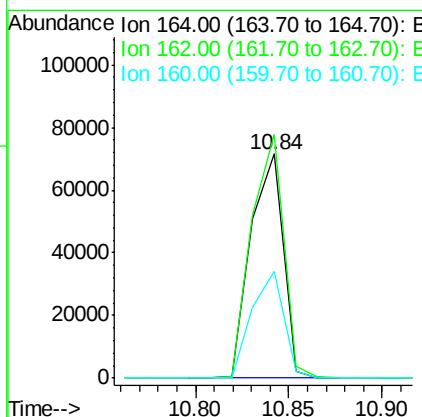
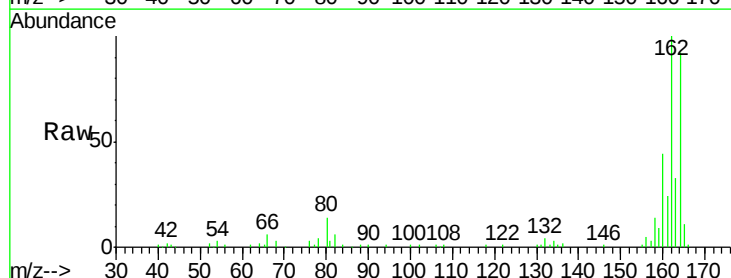
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5-3-23-15

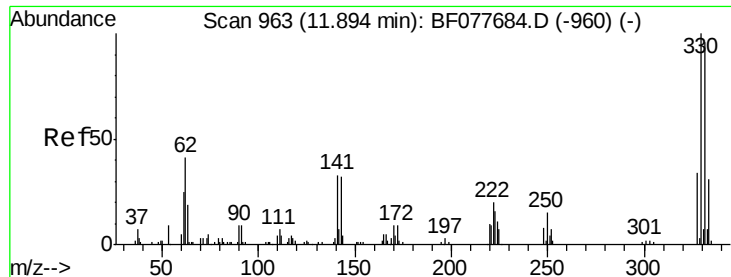
Tot Ion: 82 Resp: 218916  
 Ion Ratio Lower Upper  
 82 100  
 128 47.0 32.8 49.2  
 54 46.9 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.84 min Scan# 871  
 Delta R.T. 0.00 min  
 Lab File: BF077977.D  
 Acq: 26 Mar 2015 5:00

Tgt Ion: 164 Resp: 85618  
 Ion Ratio Lower Upper  
 164 100  
 162 108.8 82.4 123.6  
 160 47.6 35.8 53.6

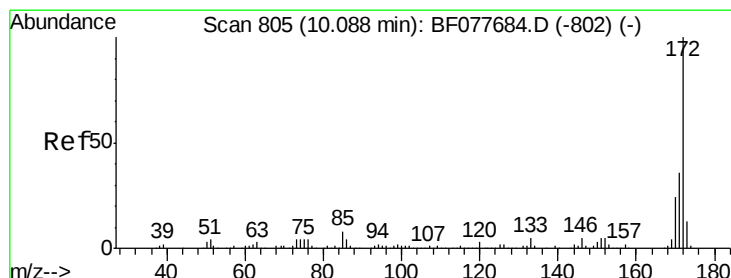
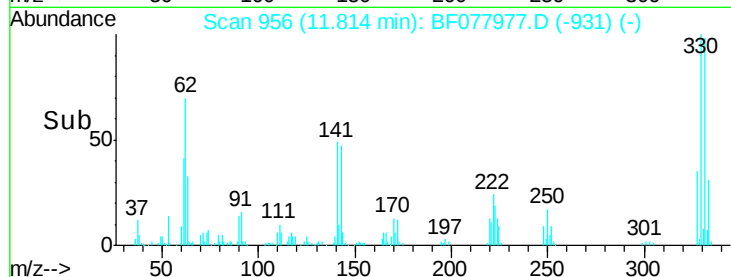
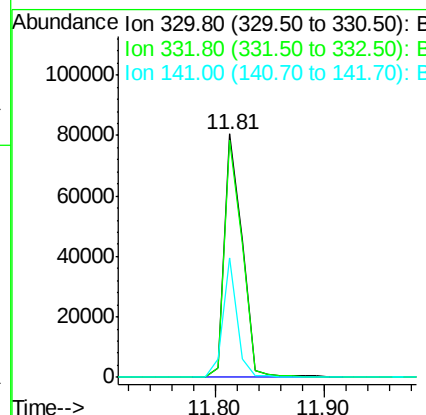
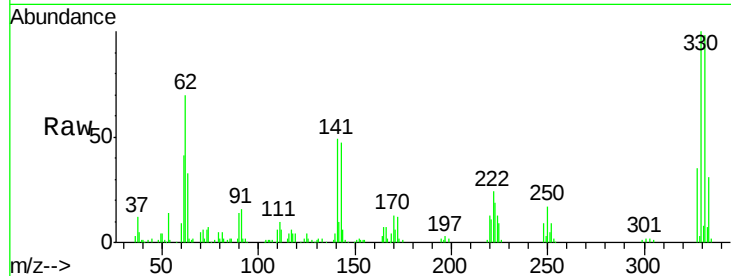




#41  
 2,4,6-Tribromophenol  
 Concen: 112.25 ng  
 RT: 11.81 min Scan# 956  
 Delta R.T. -0.01 min  
 Lab File: BF077977.D  
 Acq: 26 Mar 2015 5:00

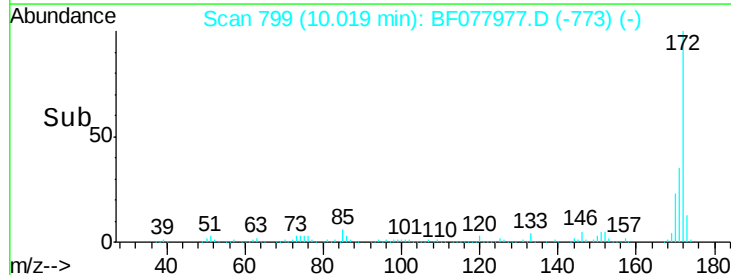
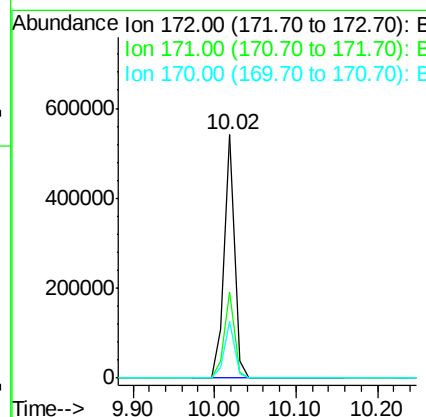
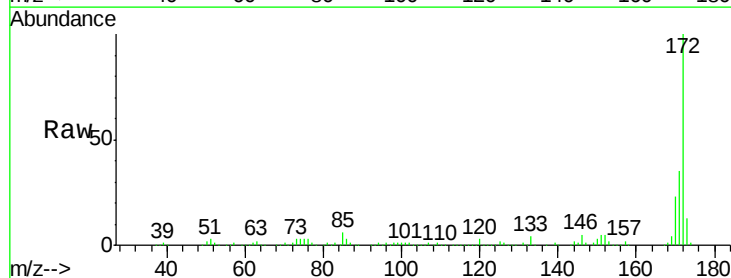
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-5-3-23-15

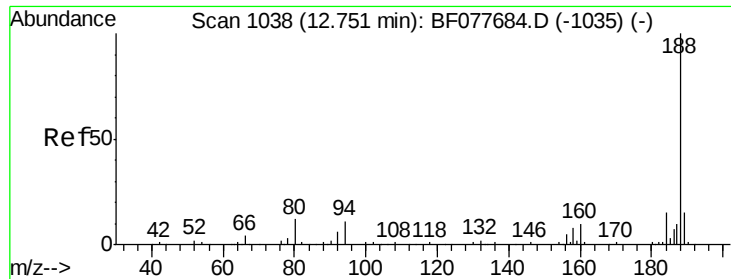
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 0.0   | 0.0#  |
| 141     | 39.1  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 82.10 ng  
 RT: 10.02 min Scan# 799  
 Delta R.T. 0.00 min  
 Lab File: BF077977.D  
 Acq: 26 Mar 2015 5:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.5  | 42.7  |
| 170     | 23.5  | 18.8  | 28.2  |

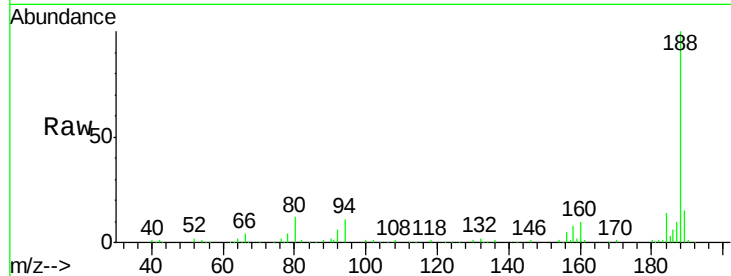




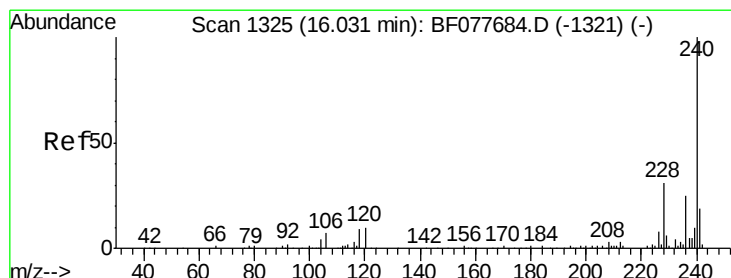
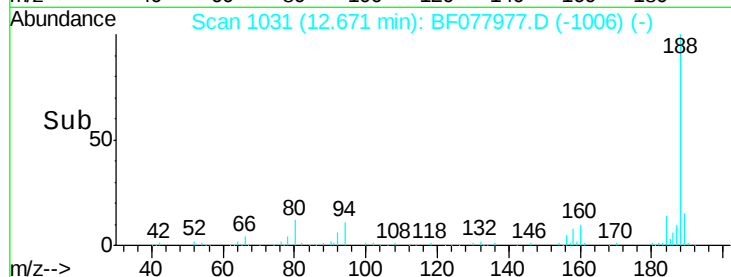
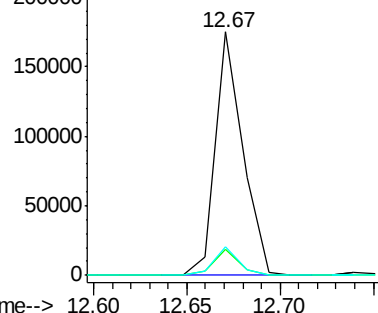
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.67 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF077977.D  
Acq: 26 Mar 2015 5:00

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5-3-23-15

Tot Ion:188 Resp: 179677  
Ion Ratio Lower Upper  
188 100  
94 10.9 8.7 13.1  
80 11.8 9.3 13.9

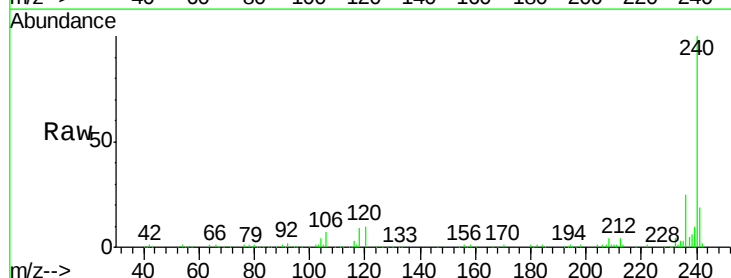


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

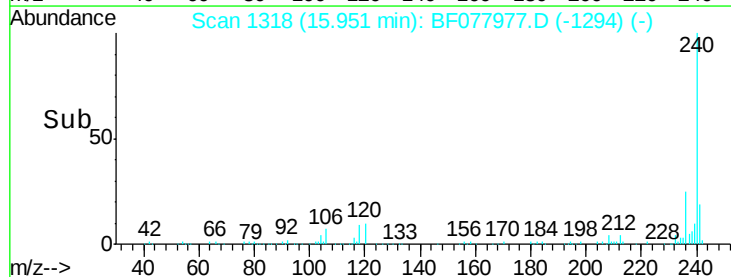
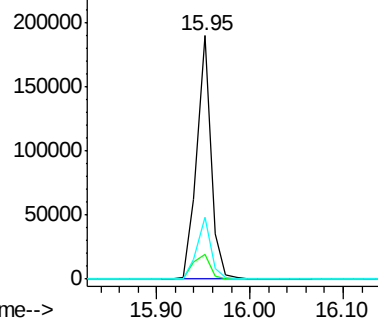


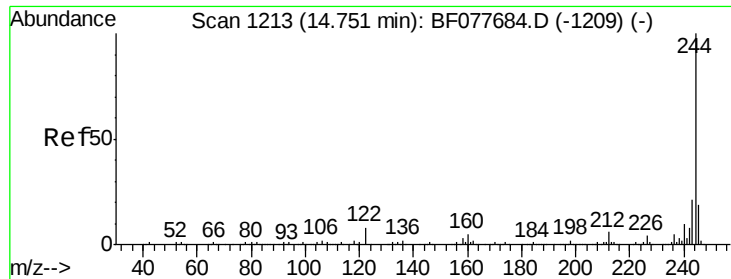
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.95 min Scan# 1318  
Delta R.T. -0.02 min  
Lab File: BF077977.D  
Acq: 26 Mar 2015 5:00

Tgt Ion:240 Resp: 202545  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.2 12.2  
236 25.4 20.0 30.0



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

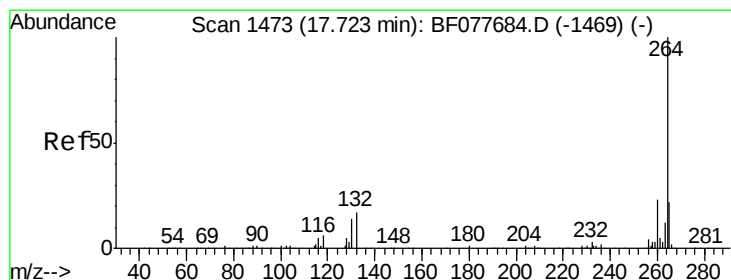
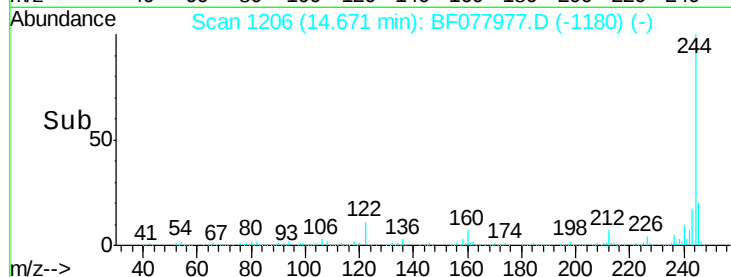
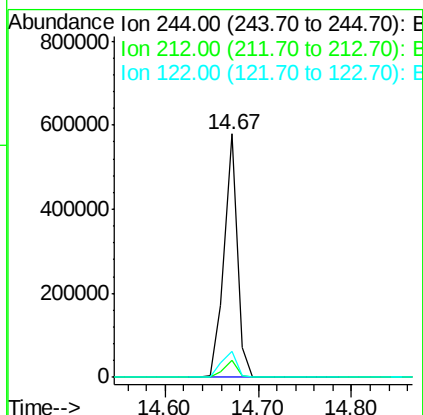
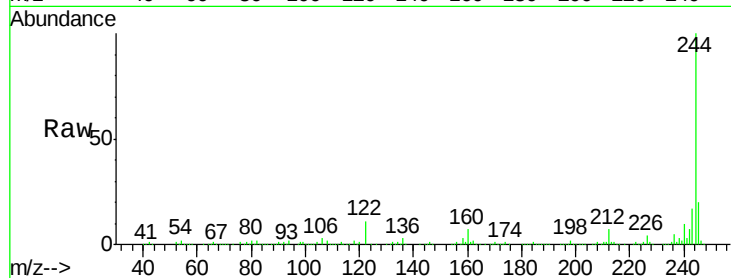




#78  
 Terphenyl-d14  
 Concen: 68.96 ng  
 RT: 14.67 min Scan# 1206  
 Delta R.T. 0.00 min  
 Lab File: BF077977.D  
 Acq: 26 Mar 2015 5:00

Instrument :  
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 MW-5-3-23-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 4.9   | 7.3   |
| 122     | 10.9  | 6.2   | 9.4   |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.67 min Scan# 1468  
 Delta R.T. -0.08 min  
 Lab File: BF077977.D  
 Acq: 26 Mar 2015 5:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 18.6  | 27.8  |
| 265     | 21.1  | 17.3  | 25.9  |

