

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082915\  
 Data File : BF081277.D  
 Acq On : 29 Aug 2015 18:22  
 Operator : UM/IZ  
 Sample : G3467-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-6

Quant Time: Aug 31 01:40:55 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 31 01:11:18 2015  
 Response via : Initial Calibration

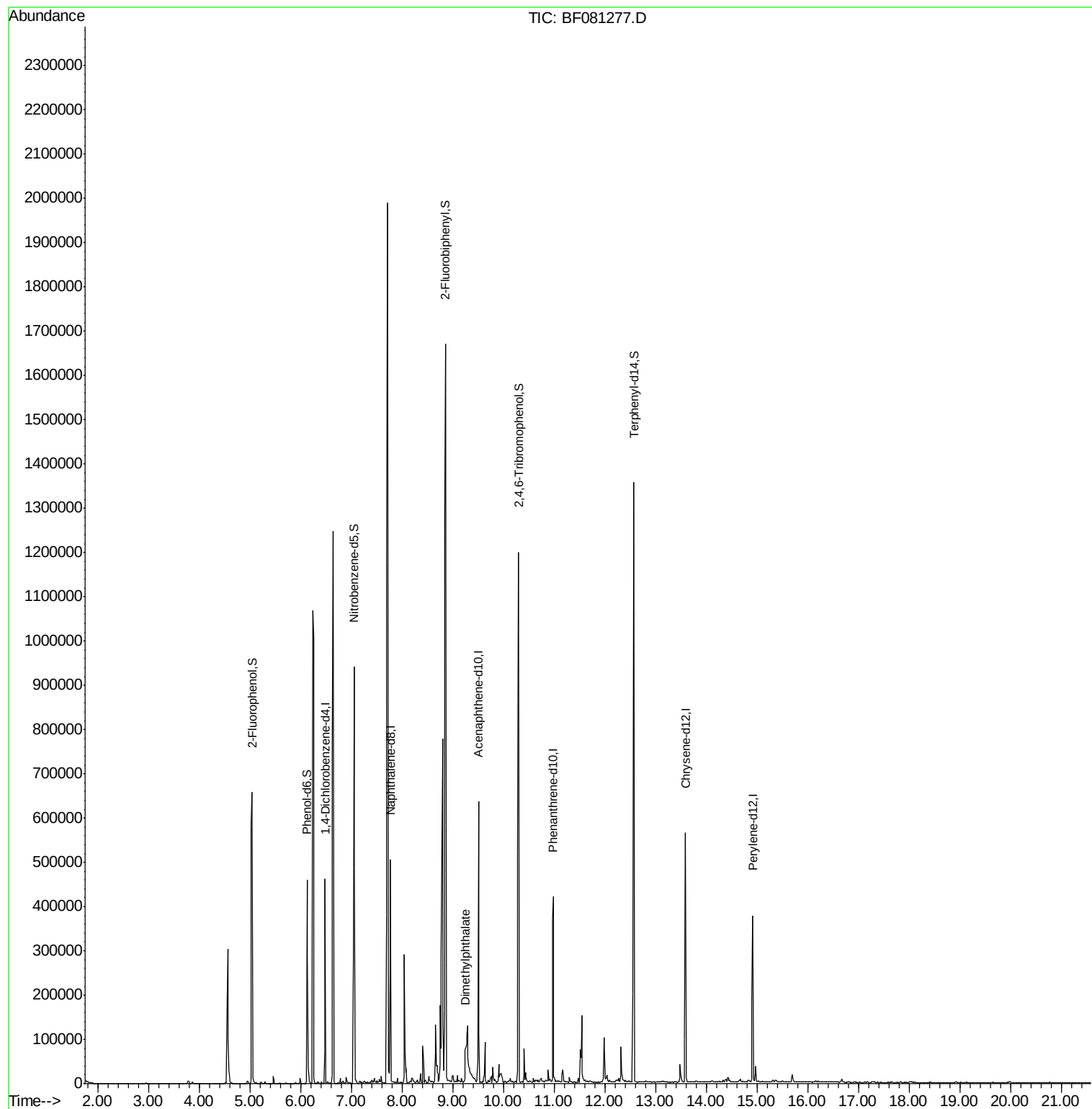
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.48  | 152  | 62255    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 7.77  | 136  | 244860   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.51  | 164  | 112355   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 10.98 | 188  | 216931   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 13.59 | 240  | 184214   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 14.92 | 264  | 150113   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.04  | 112  | 238065   | 57.52  | ng    | 0.01           |
| 7) Phenol-d6                | 6.13  | 99   | 192138   | 35.58  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.05  | 82   | 388537   | 72.49  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.30 | 330  | 108698   | 111.61 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 8.86  | 172  | 706112   | 82.35  | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.57 | 244  | 625892   | 72.84  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.25  | 163  | 21549    | 2.33   | ng    | Qvalue<br># 97 |

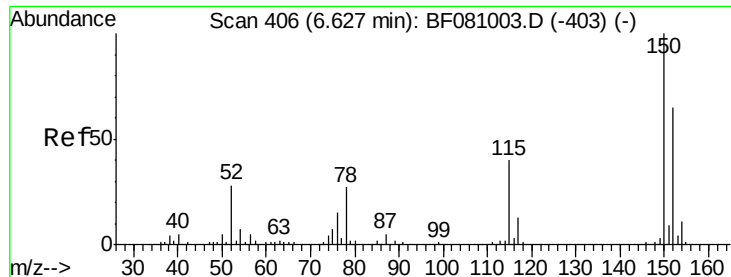
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 31 01:11:18 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.48 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF081277.D

Acq: 29 Aug 2015 18:22

Instrument :

BNA\_F

ClientSampleId :

MW-6

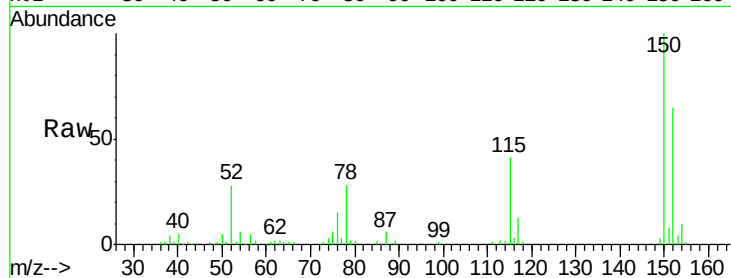
Tgt Ion:152 Resp: 62255

Ion Ratio Lower Upper

152 100

150 153.9 123.8 185.6

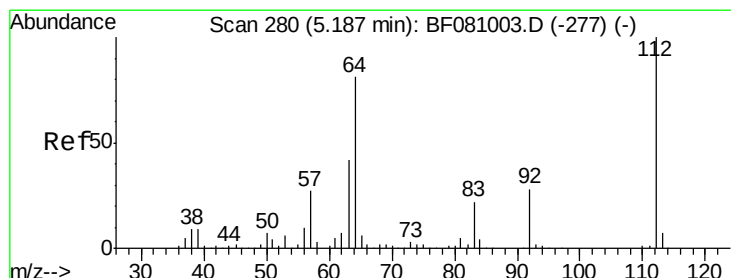
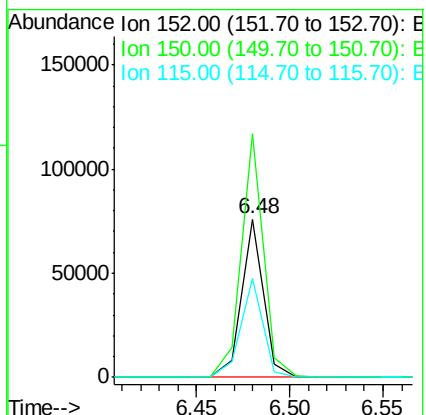
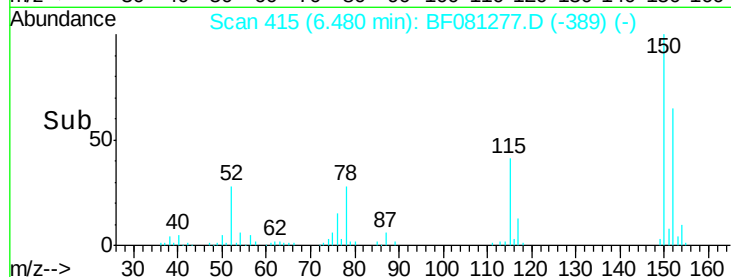
115 62.9 52.1 78.1



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: 57.52 ng

RT: 5.04 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF081277.D

Acq: 29 Aug 2015 18:22

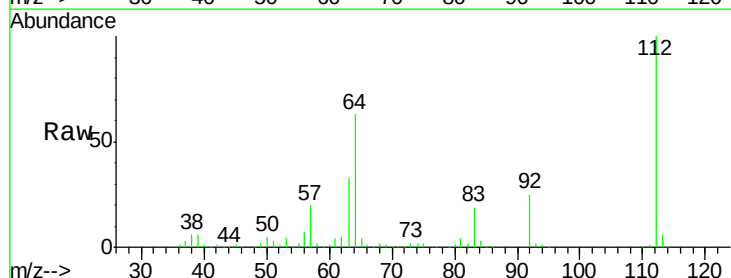
Tgt Ion:112 Resp: 238065

Ion Ratio Lower Upper

112 100

64 63.2 66.9 100.3#

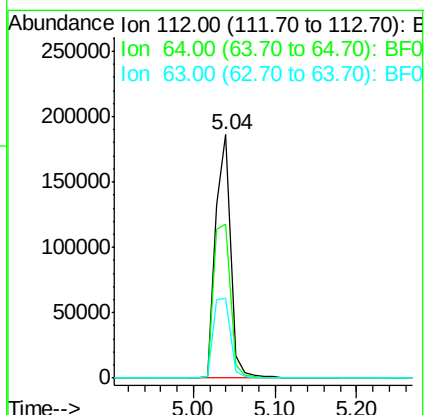
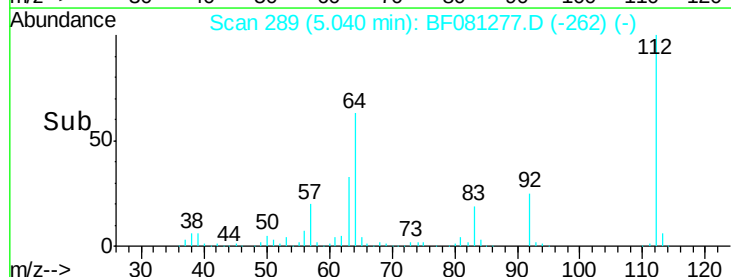
63 32.9 38.1 57.1#

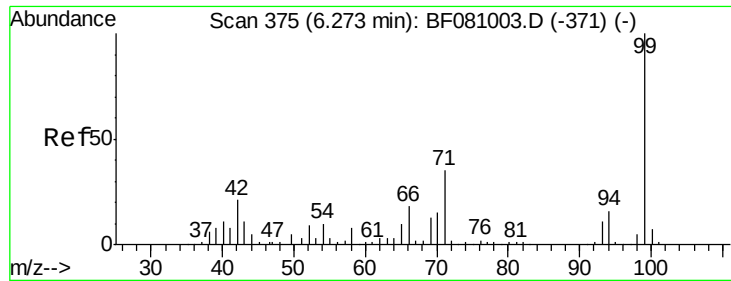


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.58 ng

RT: 6.13 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF081277.D

Acq: 29 Aug 2015 18:22

Instrument :

BNA\_F

ClientSampleId :

MW-6

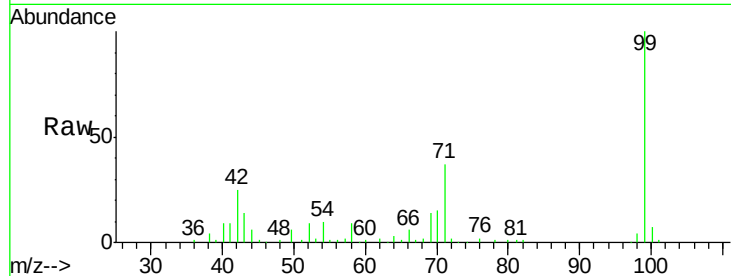
Tgt Ion: 99 Resp: 192138

Ion Ratio Lower Upper

99 100

42 25.2 19.6 29.4

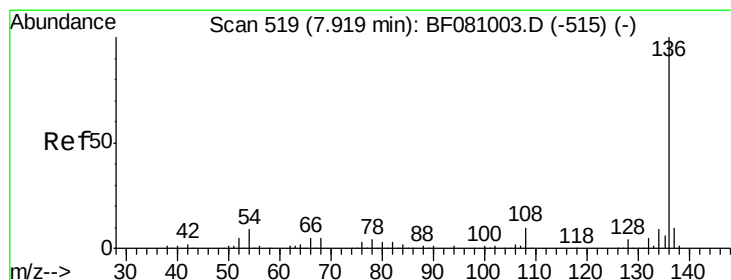
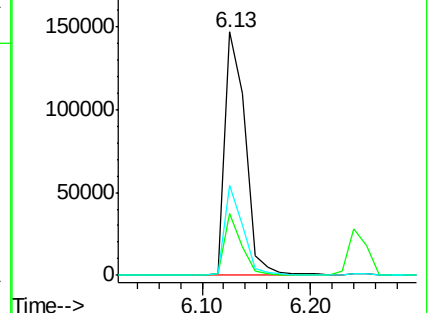
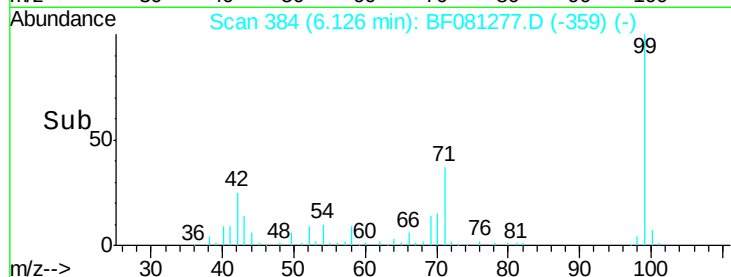
71 36.9 31.2 46.8



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: 7.77 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF081277.D

Acq: 29 Aug 2015 18:22

Tgt Ion: 136 Resp: 244860

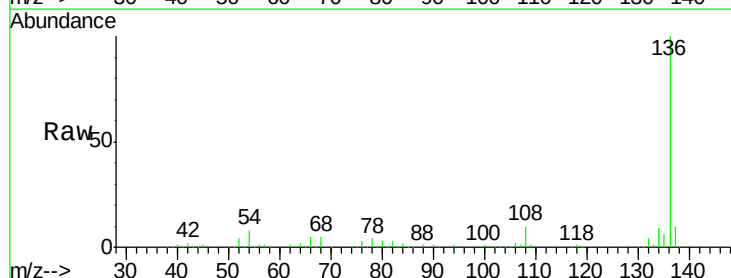
Ion Ratio Lower Upper

136 100

137 10.5 8.2 12.2

54 8.5 7.7 11.5

68 4.8 3.4 5.2

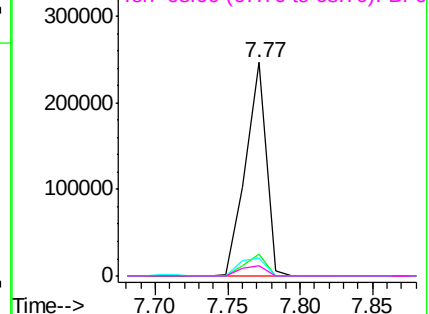
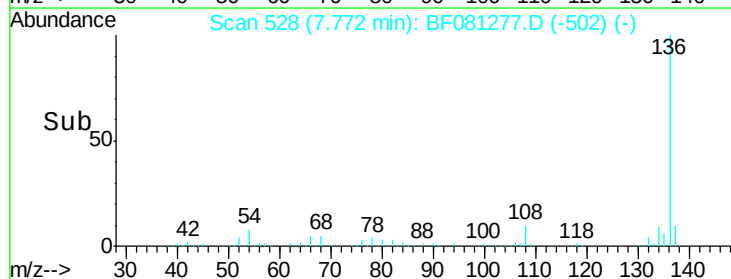


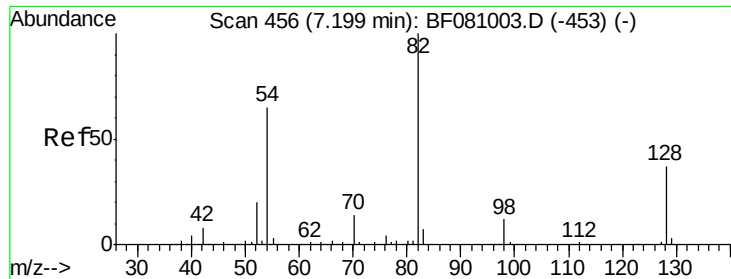
Abundance Ion 136.00 (135.70 to 136.70): E

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

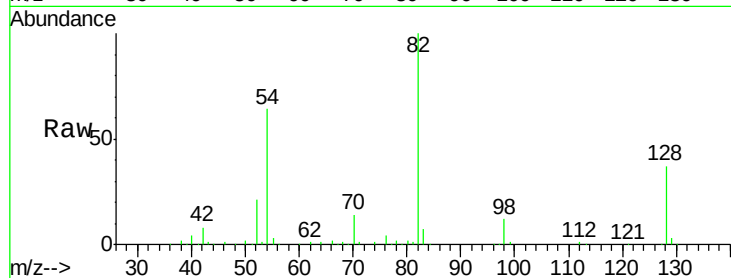




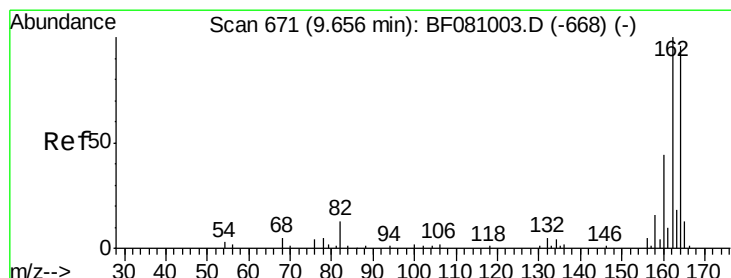
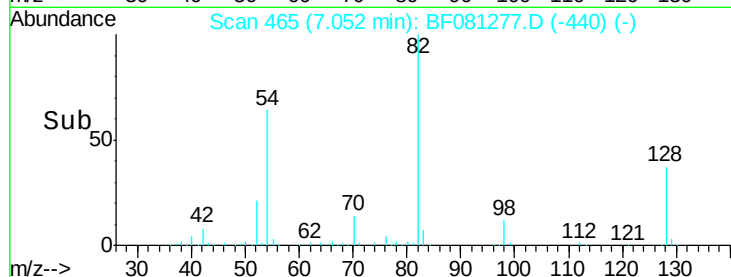
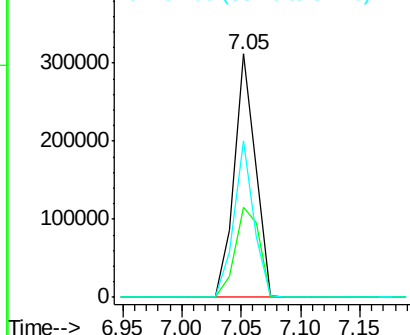
#23  
 Nitrobenzene-d5  
 Concen: 72.49 ng  
 RT: 7.05 min Scan# 465  
 Delta R.T. -0.01 min  
 Lab File: BF081277.D  
 Acq: 29 Aug 2015 18:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.9  | 28.6  | 42.8  |
| 54      | 64.2  | 55.1  | 82.7  |

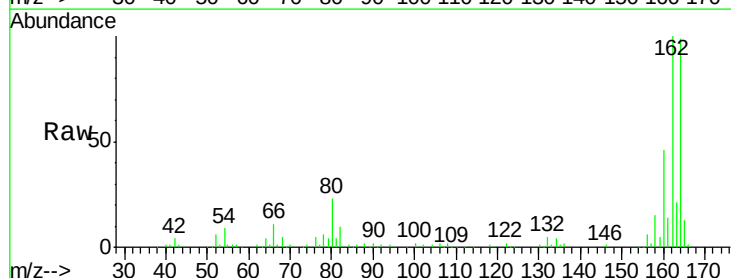


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

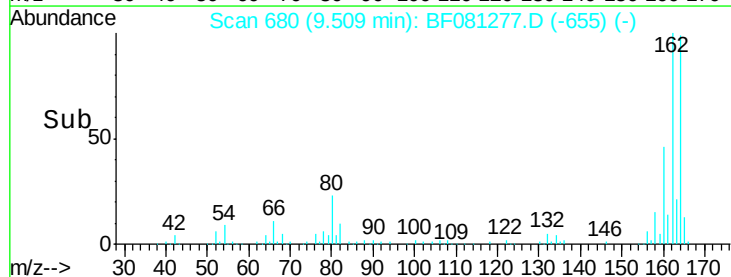
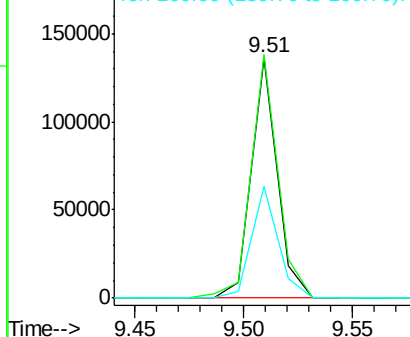


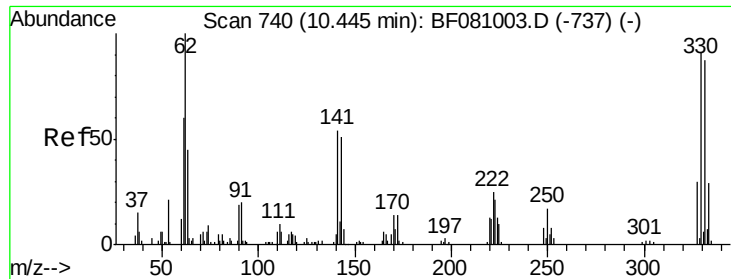
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.51 min Scan# 680  
 Delta R.T. -0.01 min  
 Lab File: BF081277.D  
 Acq: 29 Aug 2015 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.4 | 83.8  | 125.8 |
| 160     | 46.4  | 39.8  | 59.8  |



Abundance Ion 164.00 (163.70 to 164.70): B  
 Ion 162.00 (161.70 to 162.70): B  
 Ion 160.00 (159.70 to 160.70): B

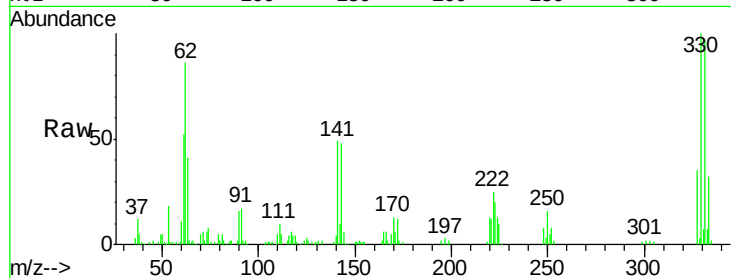




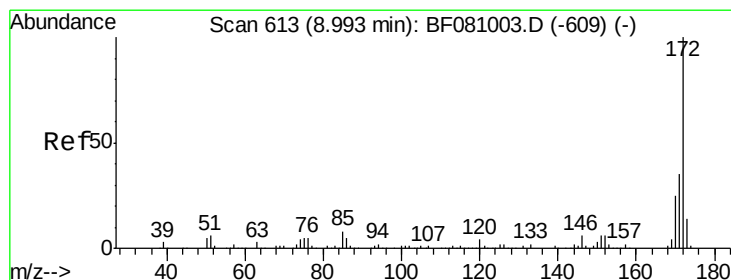
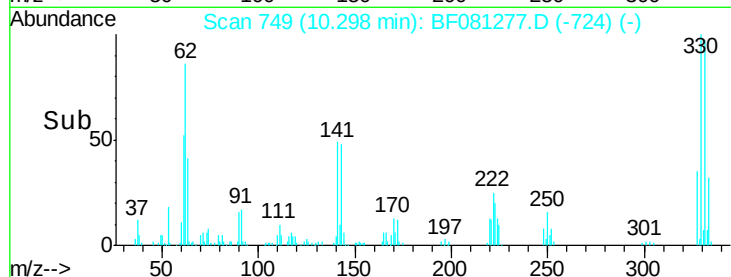
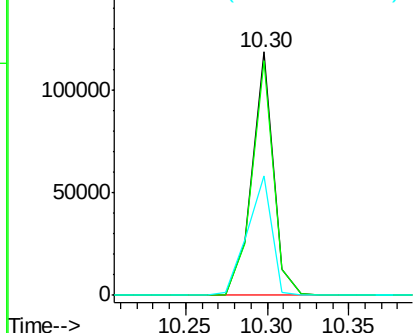
#41  
 2,4,6-Tribromophenol  
 Concen: 111.61 ng  
 RT: 10.30 min Scan# 749  
 Delta R.T. -0.01 min  
 Lab File: BF081277.D  
 Acq: 29 Aug 2015 18:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-6

Tgt Ion:330 Resp: 108698  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.3 115.9  
 141 55.6 44.9 67.3

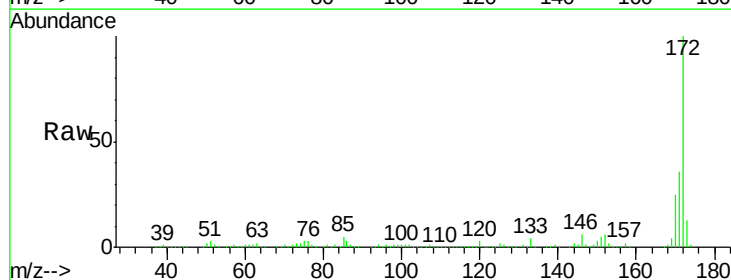


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

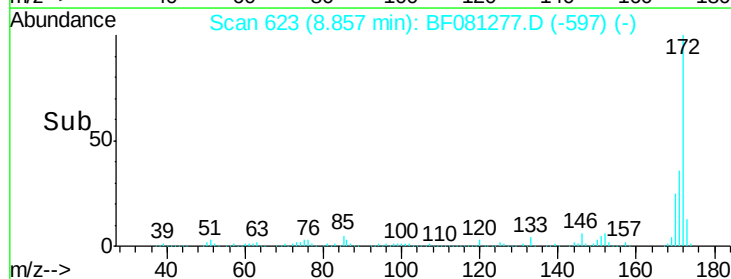
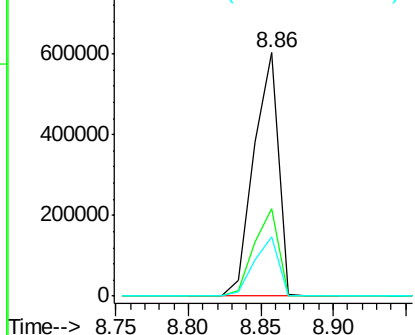


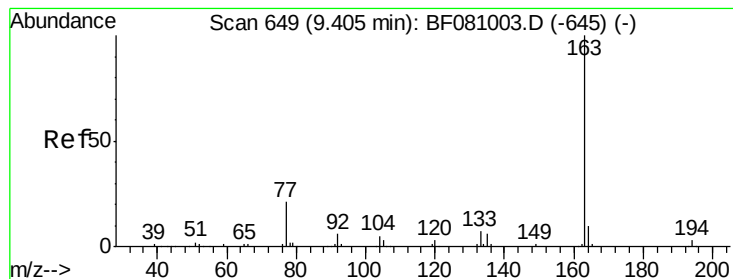
#44  
 2-Fluorobiphenyl  
 Concen: 82.35 ng  
 RT: 8.86 min Scan# 623  
 Delta R.T. 0.00 min  
 Lab File: BF081277.D  
 Acq: 29 Aug 2015 18:22

Tgt Ion:172 Resp: 706112  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.9 43.3  
 170 24.6 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: 2.33 ng

RT: 9.25 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF081277.D

Acq: 29 Aug 2015 18:22

Instrument :

BNA\_F

ClientSampleId :

MW-6

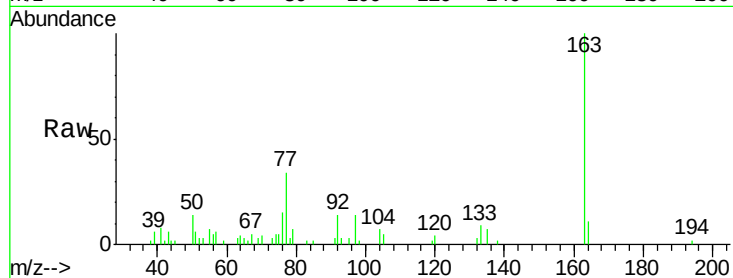
Tgt Ion:163 Resp: 21549

Ion Ratio Lower Upper

163 100

194 2.5 2.5 3.7#

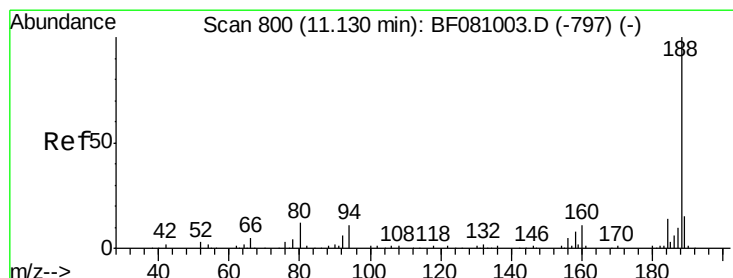
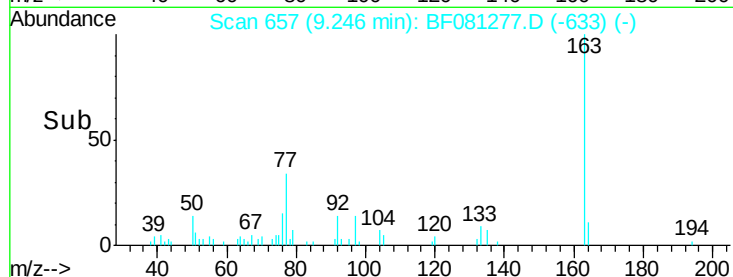
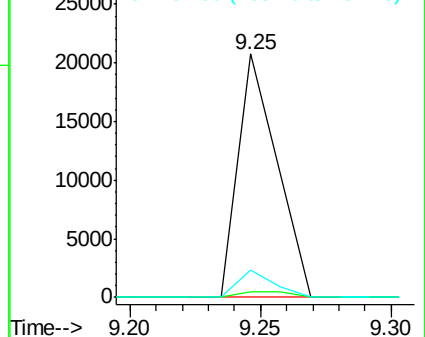
164 11.1 8.1 12.1



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: 10.98 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF081277.D

Acq: 29 Aug 2015 18:22

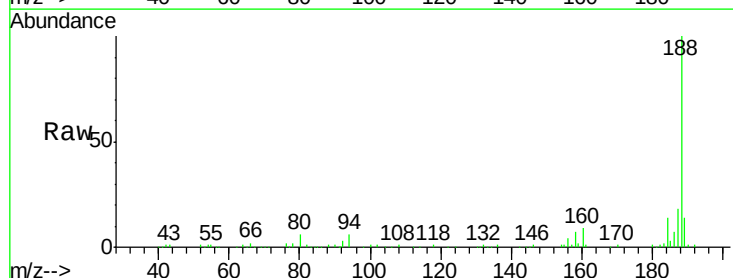
Tgt Ion:188 Resp: 216931

Ion Ratio Lower Upper

188 100

94 6.2 8.2 12.2#

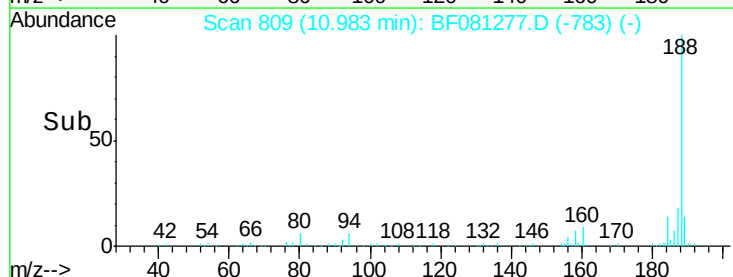
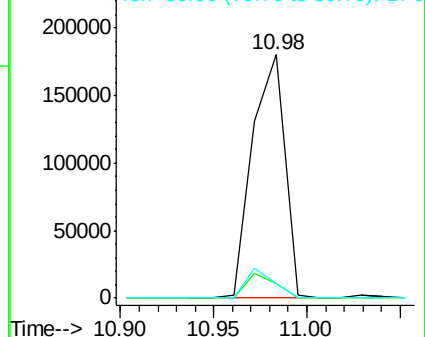
80 6.2 9.5 14.3#

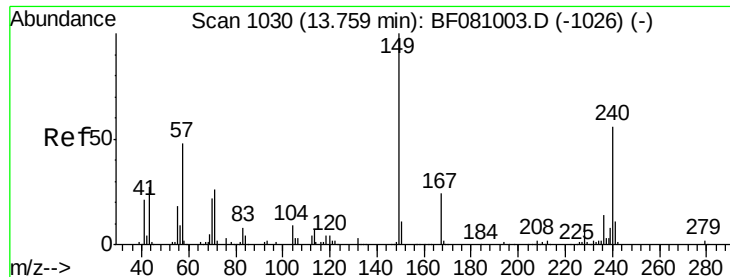


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.59 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF081277.D

Acq: 29 Aug 2015 18:22

Instrument :

BNA\_F

ClientSampleId :

MW-6

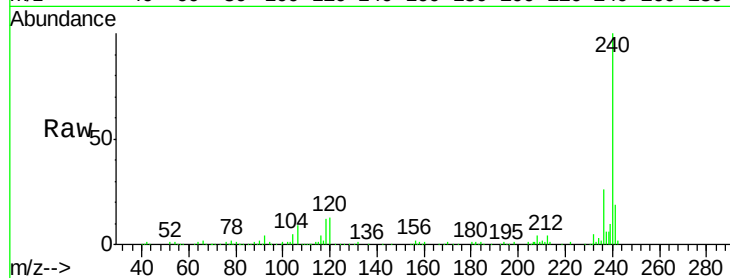
Tgt Ion:240 Resp: 184214

Ion Ratio Lower Upper

240 100

120 12.8 5.6 8.4#

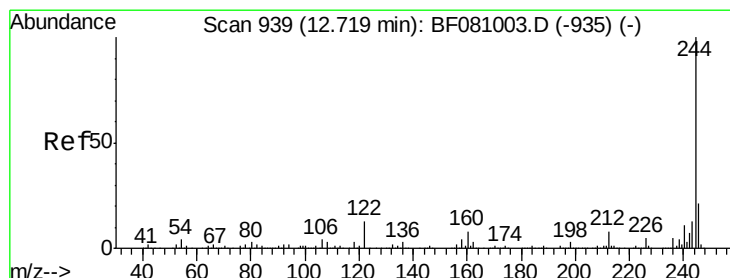
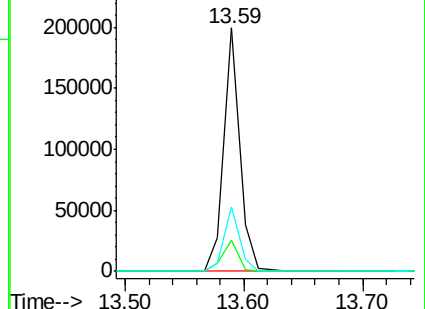
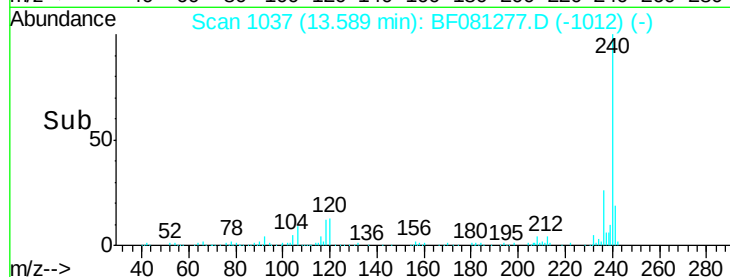
236 26.3 20.6 30.8



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: 72.84 ng

RT: 12.57 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF081277.D

Acq: 29 Aug 2015 18:22

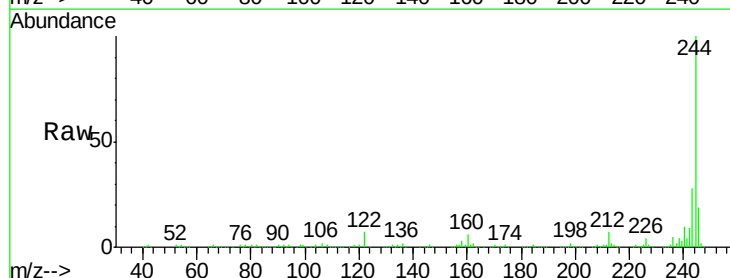
Tgt Ion:244 Resp: 625892

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

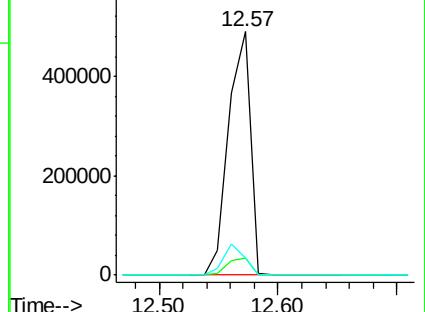
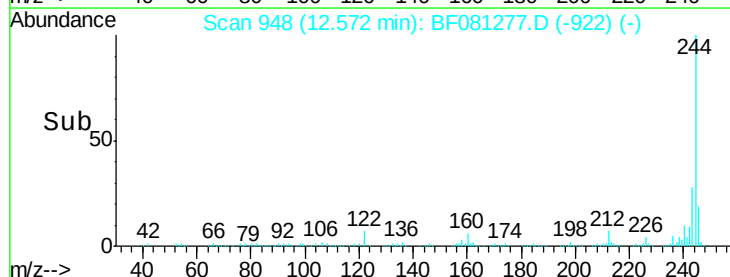
122 7.1 8.2 12.4#



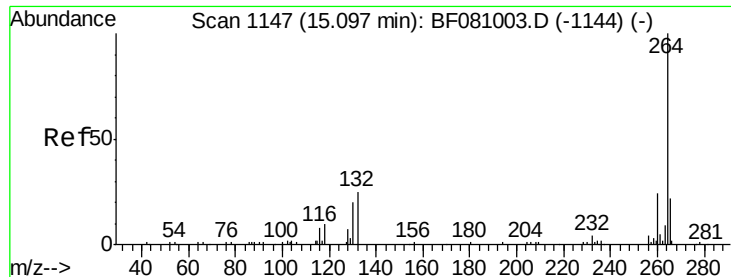
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



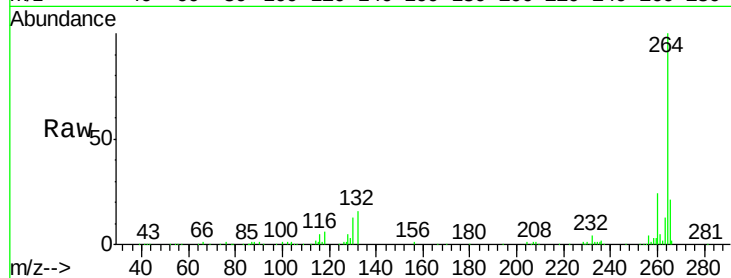




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 14.92 min Scan# 1153  
Delta R.T. 0.00 min  
Lab File: BF081277.D  
Acq: 29 Aug 2015 18:22

Instrument :  
BNA\_F  
ClientSampleId :  
MW-6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.6  | 29.4  |
| 265     | 21.0  | 17.5  | 26.3  |



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

