

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092515\  
 Data File : BF081814.D  
 Acq On : 25 Sep 2015 20:56  
 Operator : UM/IZ  
 Sample : G3704-04  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5-9-15-15

Quant Time: Sep 26 01:38:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 25 06:02:49 2015  
 Response via : Initial Calibration

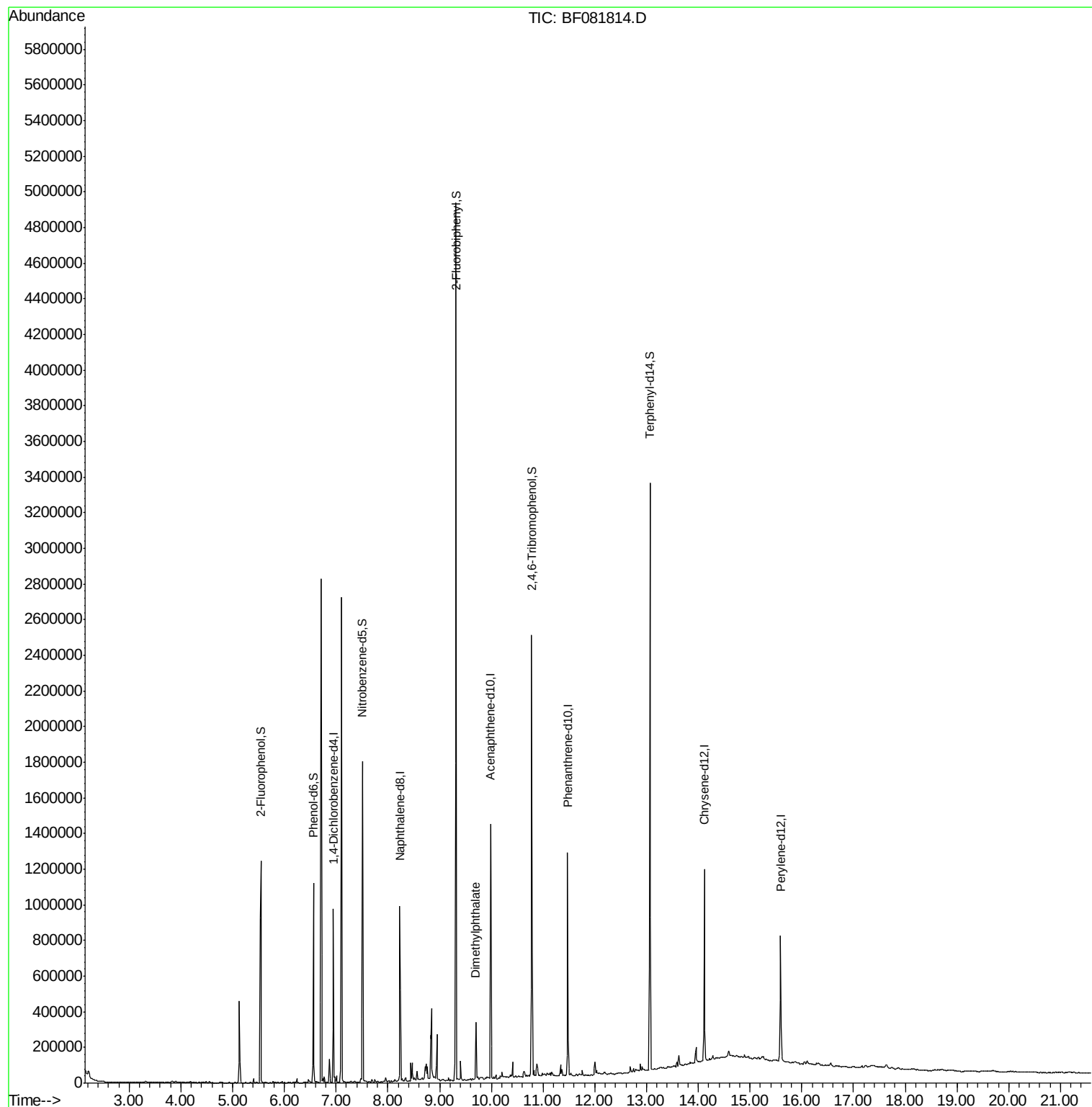
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 155046   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.23  | 136  | 526899   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.99  | 164  | 260916   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.47 | 188  | 429985   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.12 | 240  | 359215   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.59 | 264  | 338510   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.54  | 112  | 443913   | 48.44  | ng    | 0.00     |
| 7) Phenol-d6                | 6.56  | 99   | 319091   | 27.53  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 886946   | 111.07 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 325324   | 143.62 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 1522148  | 95.77  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.06 | 244  | 1082867  | 68.86  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.70  | 163  | 119015   | 5.99   | ng    | # 97     |

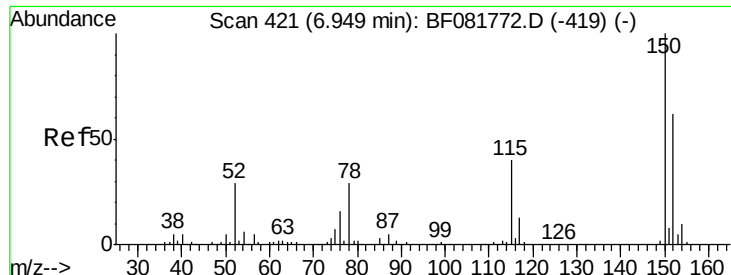
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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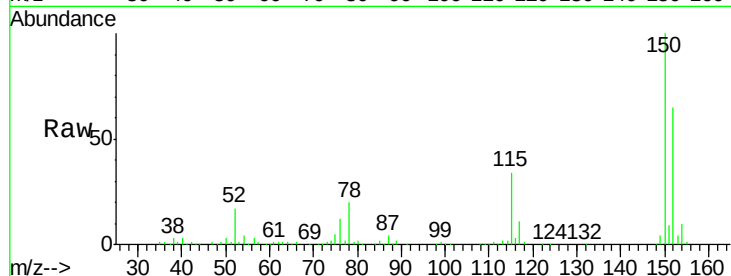




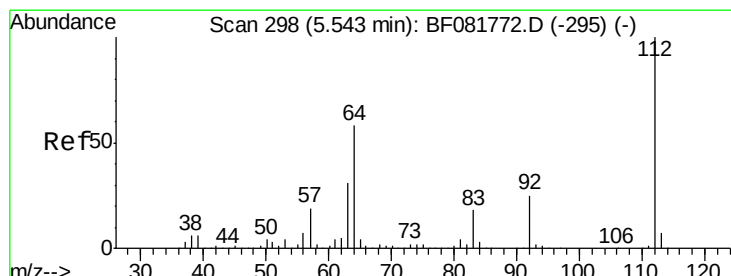
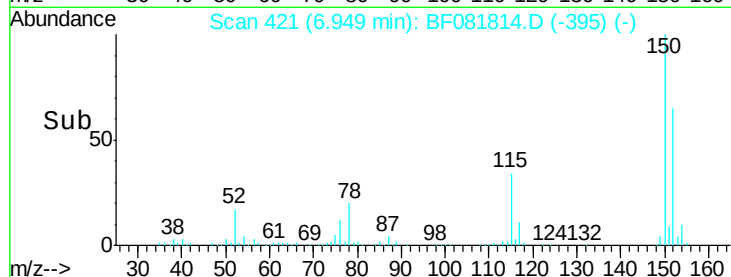
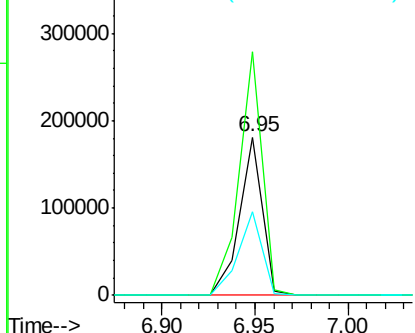
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.95 min Scan# 421  
 Delta R.T. 0.00 min  
 Lab File: BF081814.D  
 Acq: 25 Sep 2015 20:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5-9-15-15

Tgt Ion:152 Resp: 155046  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 124.7 187.1  
 115 52.8 39.0 58.4

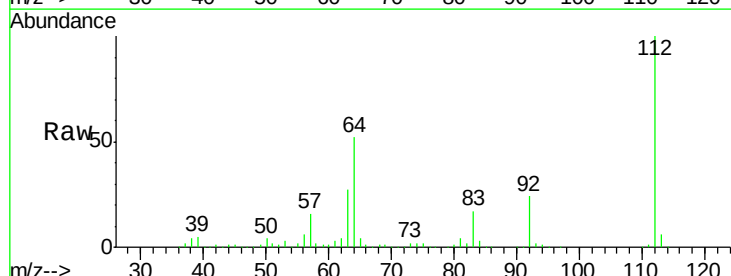


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

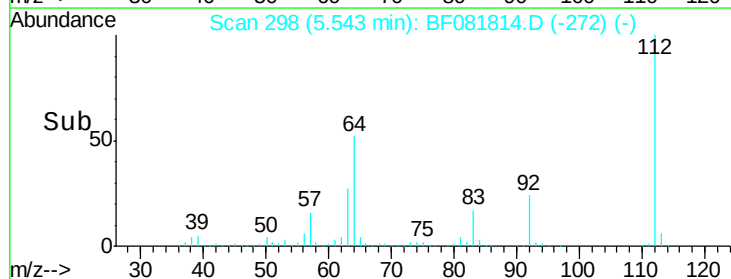
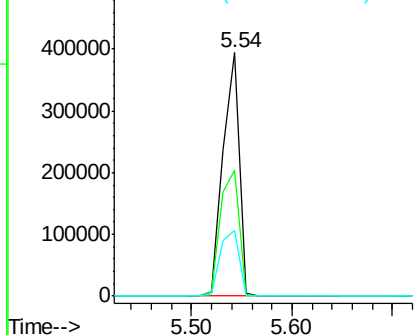


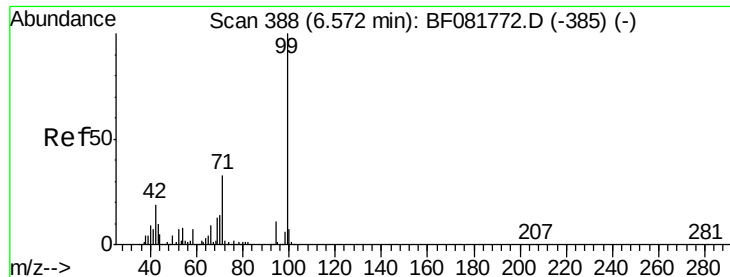
#5  
 2-Fluorophenol  
 Concen: 48.44 ng  
 RT: 5.54 min Scan# 298  
 Delta R.T. 0.00 min  
 Lab File: BF081814.D  
 Acq: 25 Sep 2015 20:56

Tgt Ion:112 Resp: 443913  
 Ion Ratio Lower Upper  
 112 100  
 64 51.6 39.7 59.5  
 63 27.0 17.4 26.0#



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: 27.53 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081814.D

Acq: 25 Sep 2015 20:56

Instrument :

BNA\_F

ClientSampled :

MW-5-9-15-15

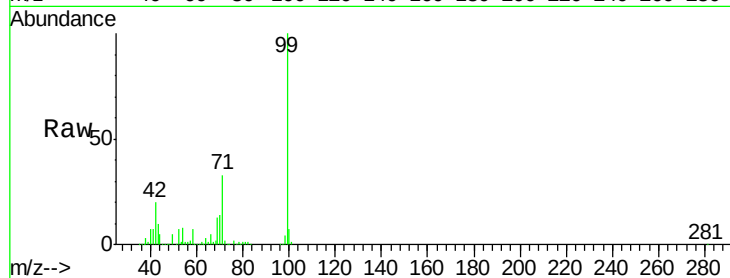
Tgt Ion: 99 Resp: 319091

Ion Ratio Lower Upper

99 100

42 19.8 13.7 20.5

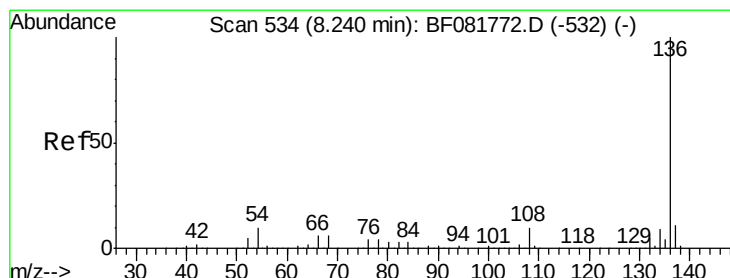
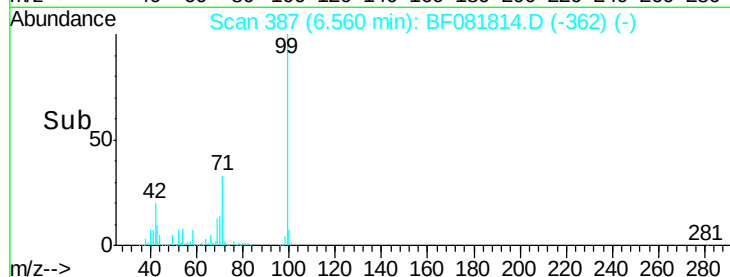
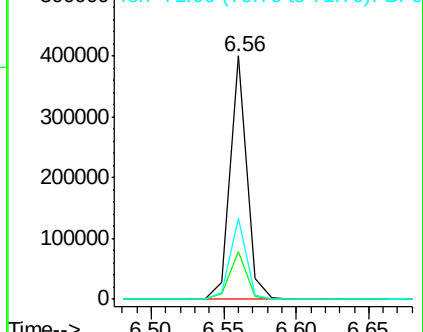
71 33.1 14.2 21.2#



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: 8.23 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF081814.D

Acq: 25 Sep 2015 20:56

Tgt Ion: 136 Resp: 526899

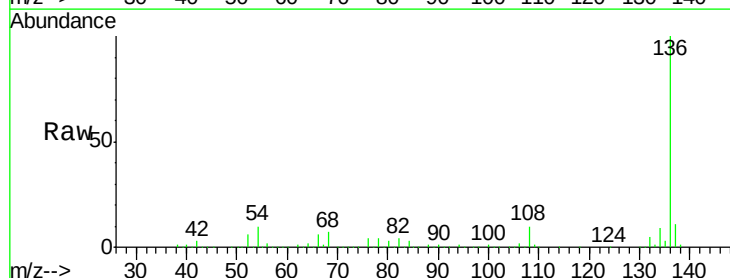
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 10.4 8.2 12.2

68 6.9 5.8 8.6

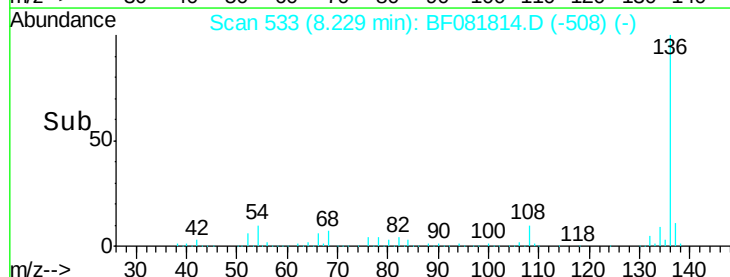
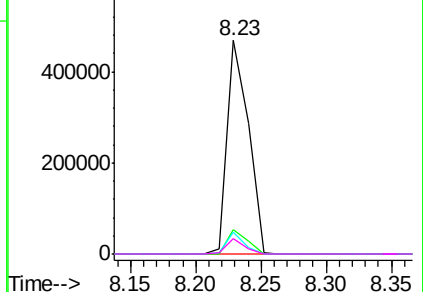


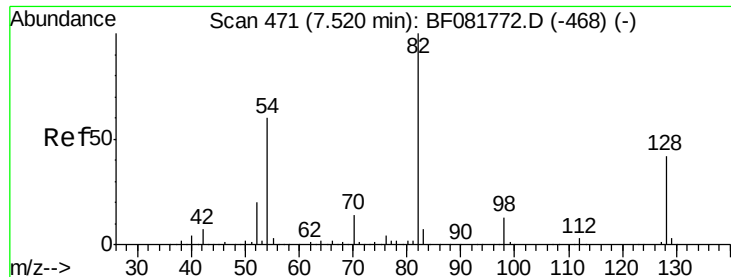
Abundance Ion 136.00 (135.70 to 136.70): E

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

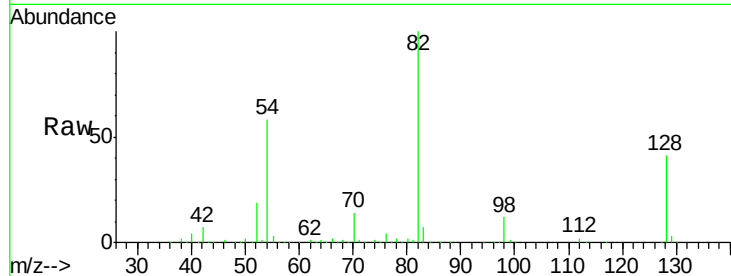




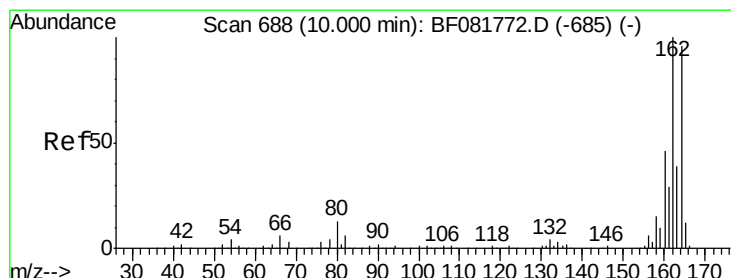
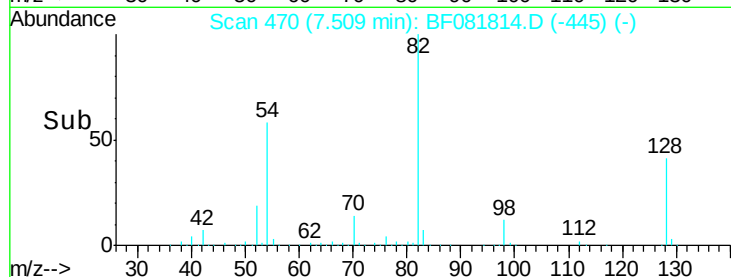
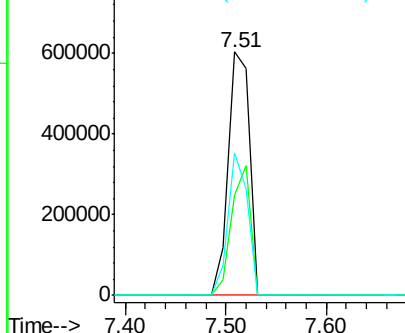
#23  
 Nitrobenzene-d5  
 Concen: 111.07 ng  
 RT: 7.51 min Scan# 470  
 Delta R.T. -0.01 min  
 Lab File: BF081814.D  
 Acq: 25 Sep 2015 20:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5-9-15-15

Tgt Ion: 82 Resp: 886946  
 Ion Ratio Lower Upper  
 82 100  
 128 41.2 51.0 76.6#  
 54 58.4 47.5 71.3

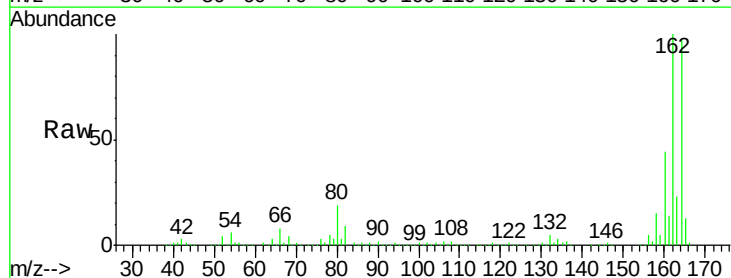


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

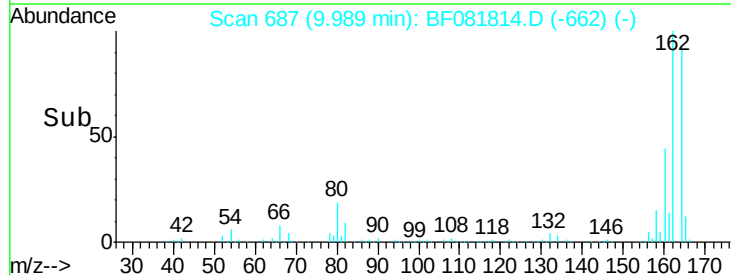
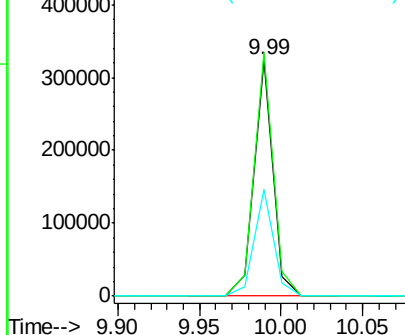


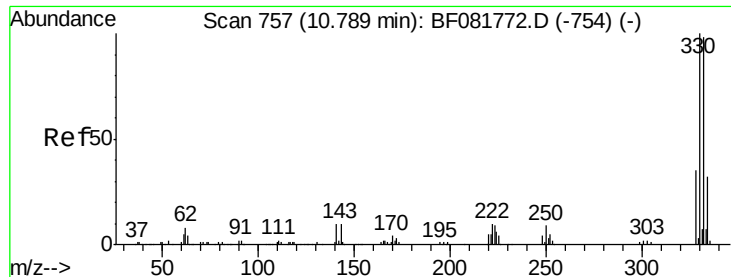
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.99 min Scan# 687  
 Delta R.T. -0.01 min  
 Lab File: BF081814.D  
 Acq: 25 Sep 2015 20:56

Tgt Ion: 164 Resp: 260916  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 75.2 112.8  
 160 45.1 31.5 47.3



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

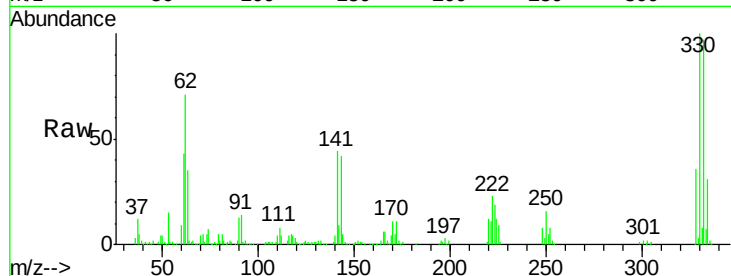




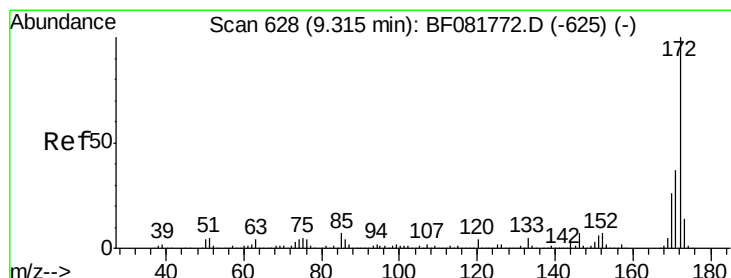
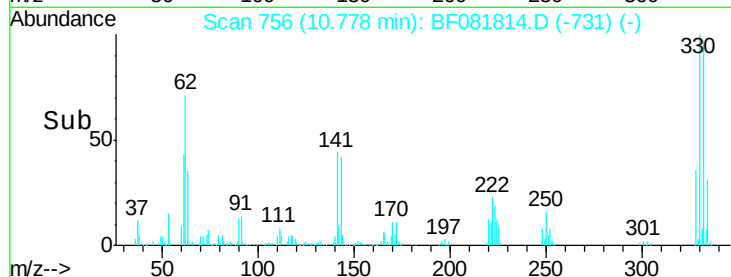
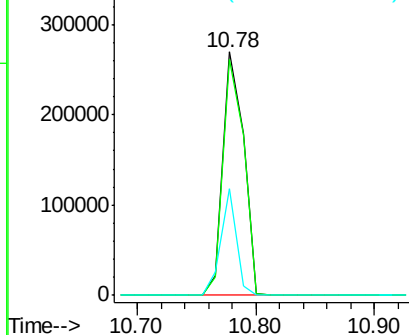
#41  
 2,4,6-Tribromophenol  
 Concen: 143.62 ng  
 RT: 10.78 min Scan# 756  
 Delta R.T. -0.01 min  
 Lab File: BF081814.D  
 Acq: 25 Sep 2015 20:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5-9-15-15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 325324 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 97.5  | 76.6  | 114.8  |
| 141      | 33.2  | 29.7  | 44.5   |

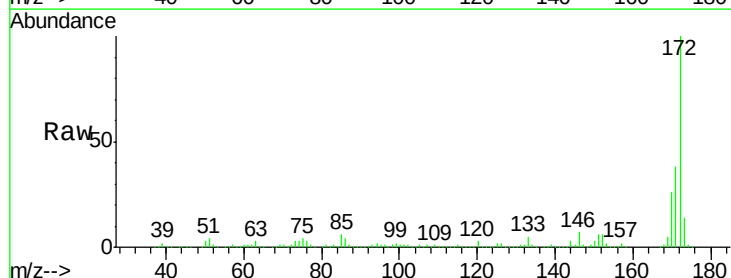


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

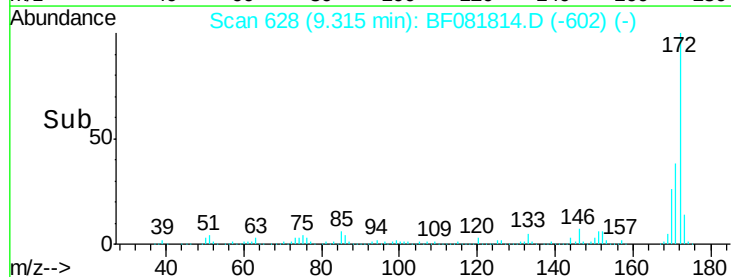
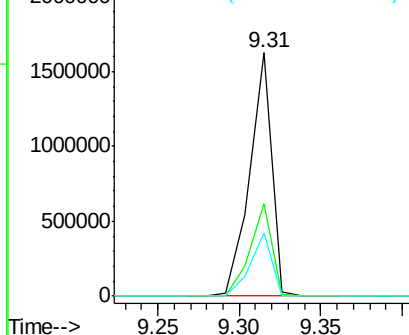


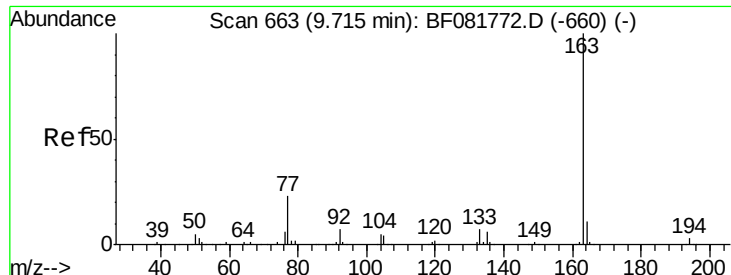
#44  
 2-Fluorobiphenyl  
 Concen: 95.77 ng  
 RT: 9.31 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: BF081814.D  
 Acq: 25 Sep 2015 20:56

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1522148 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 38.3  | 26.1  | 39.1    |
| 170      | 26.2  | 17.4  | 26.2#   |



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

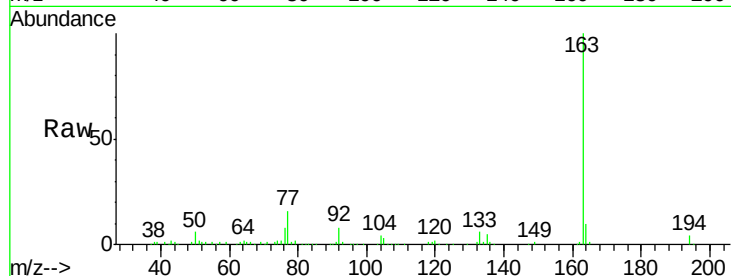




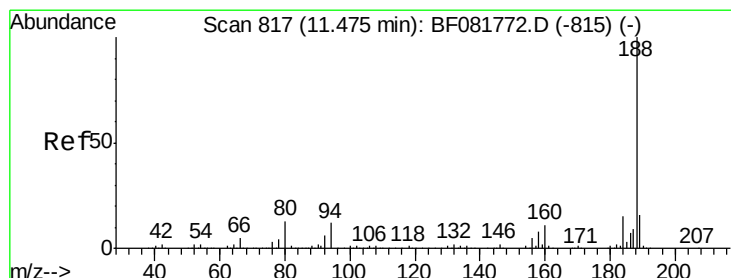
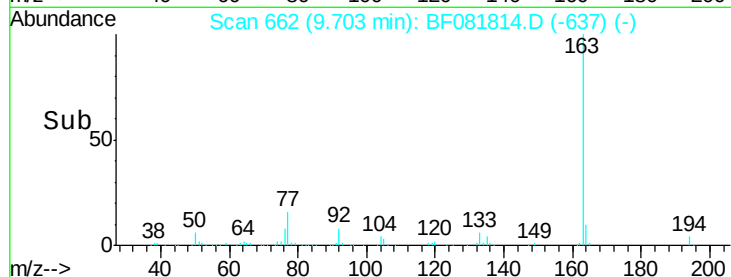
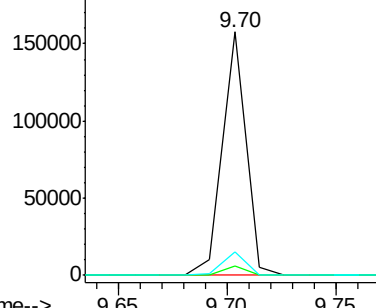
#49  
Dimethylphthalate  
Concen: 5.99 ng  
RT: 9.70 min Scan# 662  
Delta R.T. -0.01 min  
Lab File: BF081814.D  
Acq: 25 Sep 2015 20:56

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5-9-15-15

Tgt Ion:163 Resp: 119015  
Ion Ratio Lower Upper  
163 100  
194 3.6 4.4 6.6#  
164 9.7 8.3 12.5

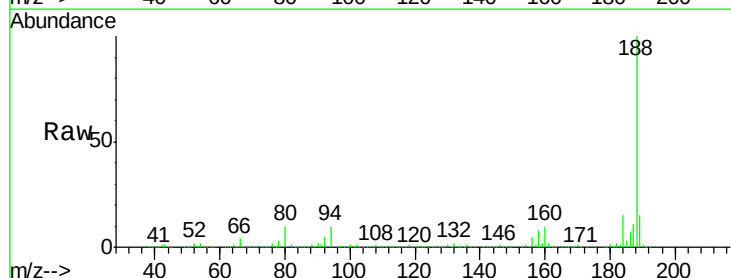


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

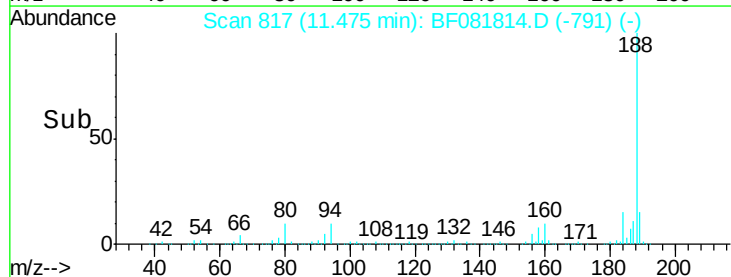
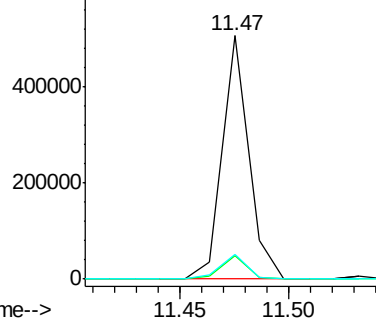


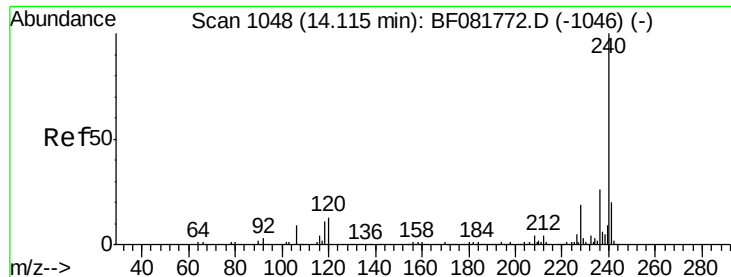
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.47 min Scan# 817  
Delta R.T. 0.00 min  
Lab File: BF081814.D  
Acq: 25 Sep 2015 20:56

Tgt Ion:188 Resp: 429985  
Ion Ratio Lower Upper  
188 100  
94 9.7 11.1 16.7#  
80 10.4 11.0 16.4#



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: 14.12 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF081814.D

Acq: 25 Sep 2015 20:56

Instrument :

BNA\_F

ClientSampleId :

MW-5-9-15-15

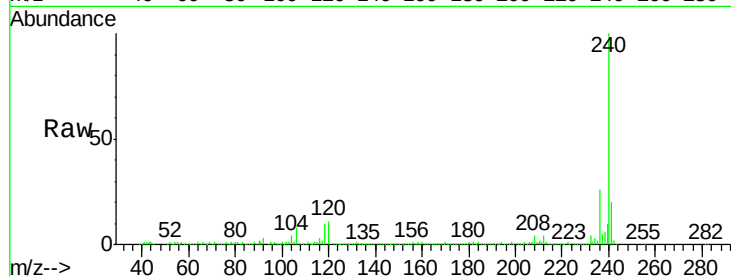
Tgt Ion:240 Resp: 359215

Ion Ratio Lower Upper

240 100

120 11.5 16.2 24.2#

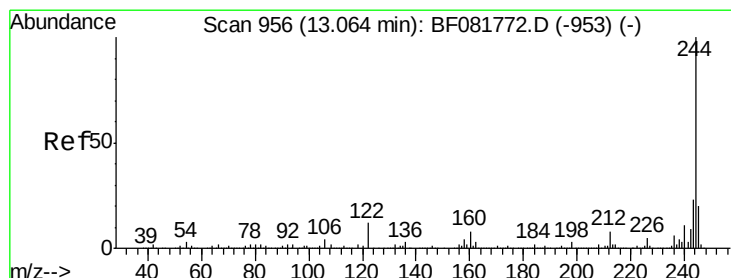
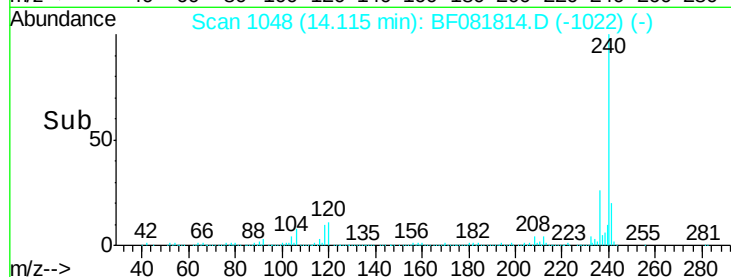
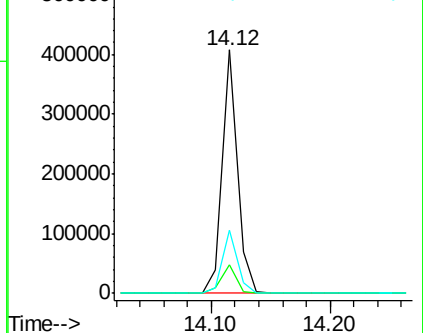
236 26.0 18.4 27.6



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: 68.86 ng

RT: 13.06 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF081814.D

Acq: 25 Sep 2015 20:56

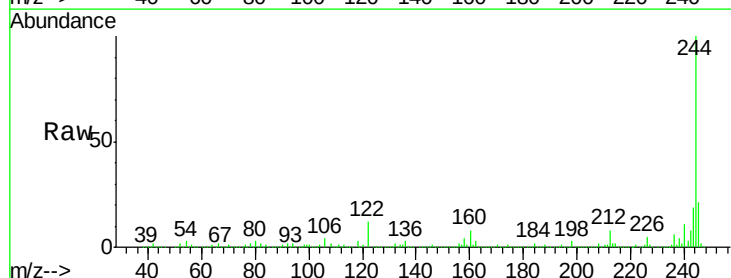
Tgt Ion:244 Resp: 1082867

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

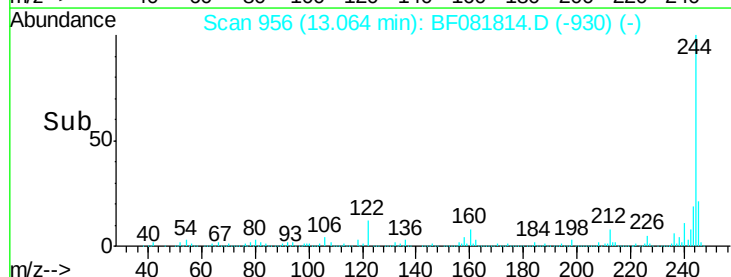
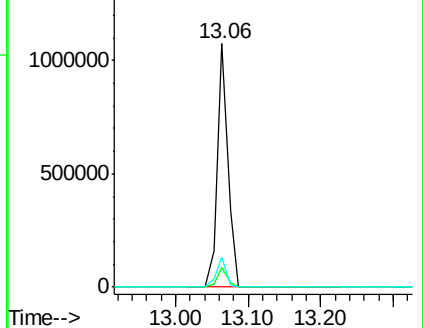
122 12.4 17.4 26.2#



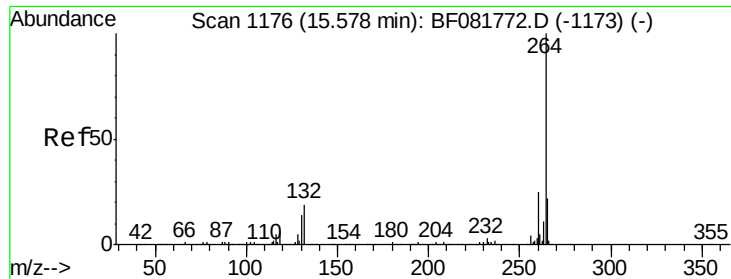
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.59 min Scan# 1177  
Delta R.T. 0.01 min  
Lab File: BF081814.D  
Acq: 25 Sep 2015 20:56

Instrument :  
BNA\_F  
ClientSampleId :  
MW-5-9-15-15

Tgt Ion: 264 Resp: 338510  
Ion Ratio Lower Upper  
264 100  
260 25.1 16.7 25.1#  
265 21.8 17.2 25.8

