

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\  
 Data File : BF091878.D  
 Acq On : 22 Dec 2016 11:39  
 Operator : UM/SJ  
 Sample : H6156-21  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-17

Quant Time: Dec 23 00:59:24 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 16:17:51 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 283943   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.03  | 136  | 1114834  | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.78  | 164  | 588202   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.26 | 188  | 1047004  | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.89 | 240  | 757140   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.29 | 264  | 578267   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 1215882  | 71.50  | ng    | 0.01     |
| 7) Phenol-d6                | 6.40  | 99   | 982174   | 47.31  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 1928879  | 96.21  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.58 | 330  | 710426   | 145.94 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 3172468  | 115.07 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.85 | 244  | 2389119  | 76.53  | ng    | 0.00     |

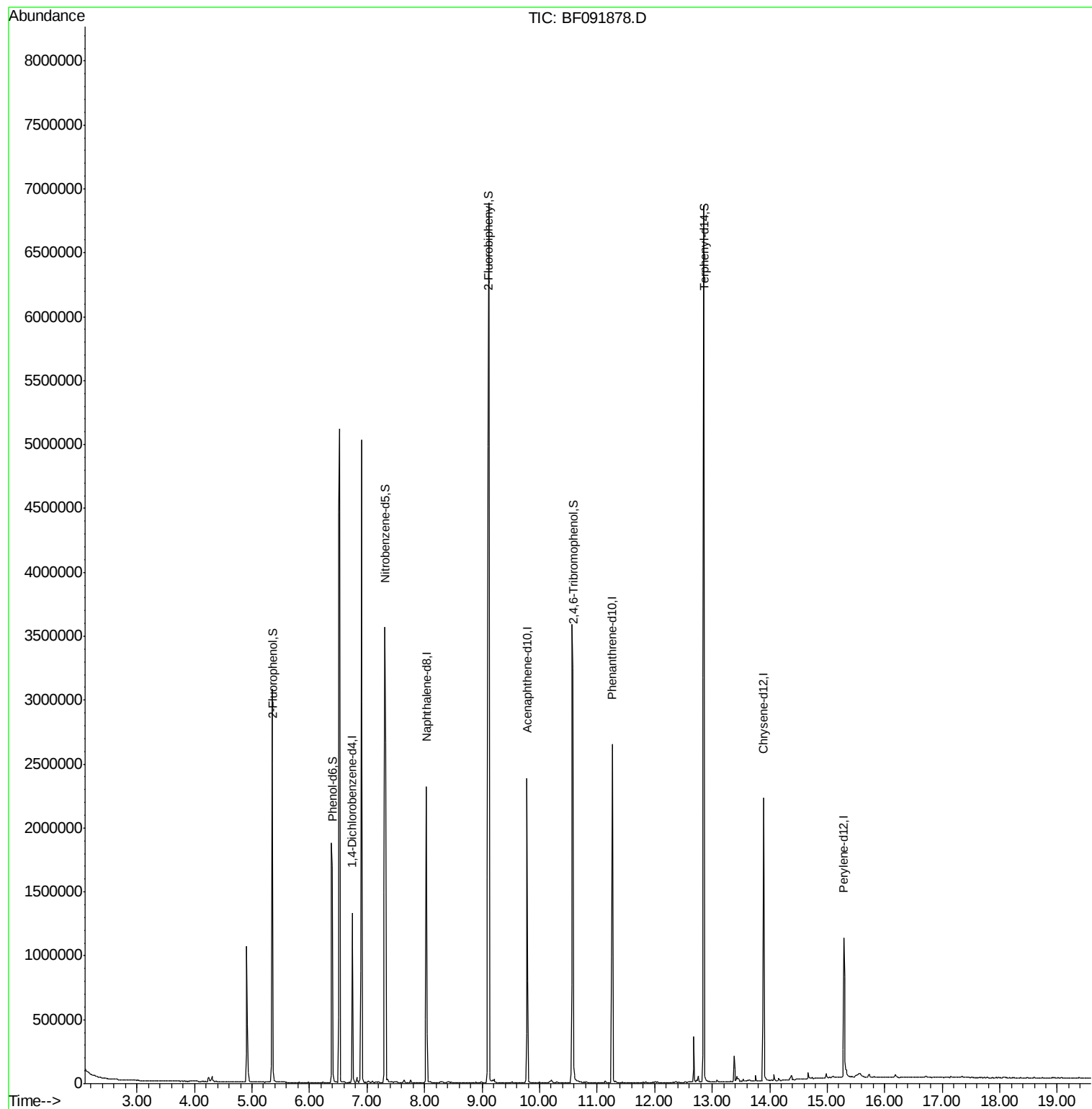
Target Compounds Qvalue

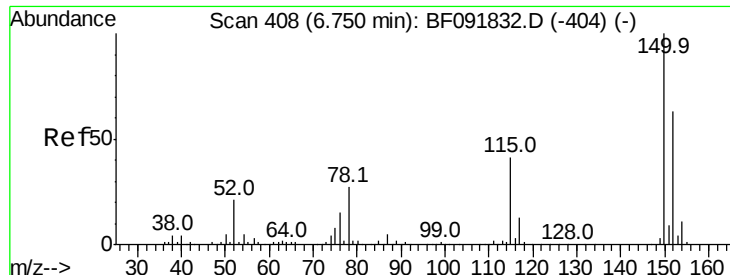
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 21 16:17:51 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091878.D

Acq: 22 Dec 2016 11:39

Instrument :

BNA\_F

ClientSampleId :

MW-17

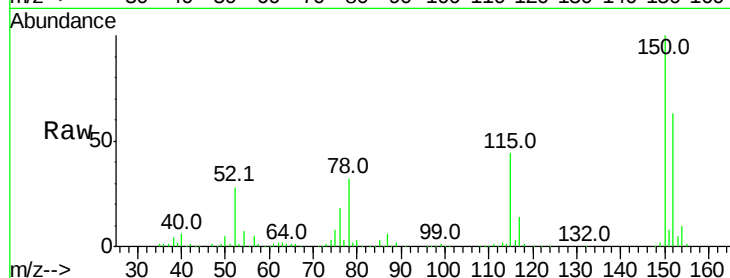
Tot Ion:152 Resp: 283943

Ion Ratio Lower Upper

152 100

150 159.2 124.9 187.3

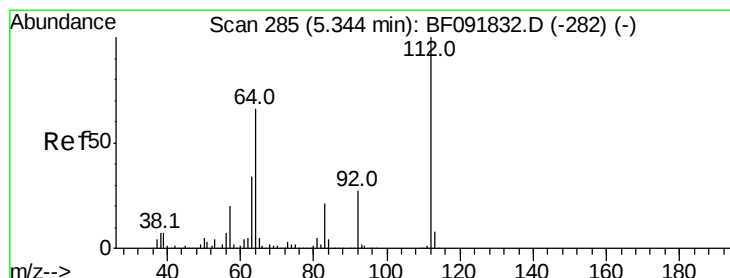
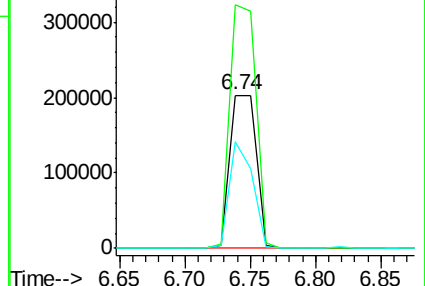
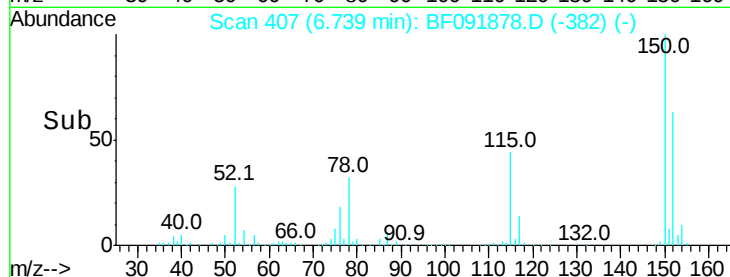
115 69.5 46.0 69.0#



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: 71.50 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091878.D

Acq: 22 Dec 2016 11:39

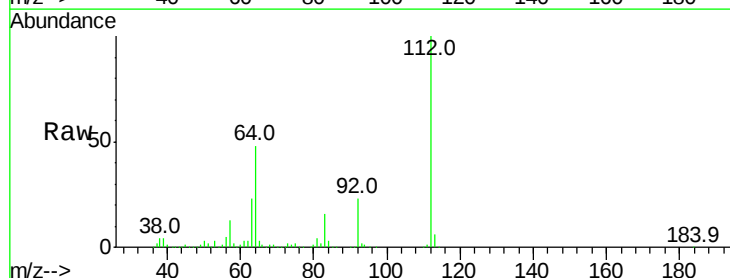
Tgt Ion:112 Resp: 1215882

Ion Ratio Lower Upper

112 100

64 48.1 46.1 69.1

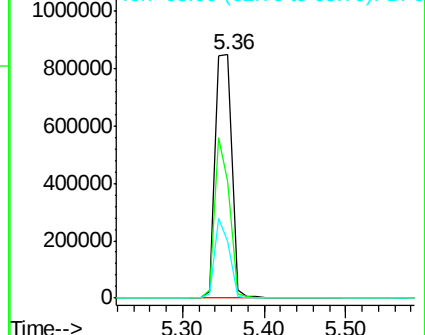
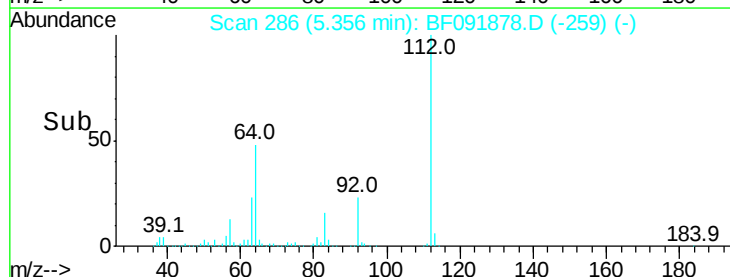
63 23.4 23.8 35.6#

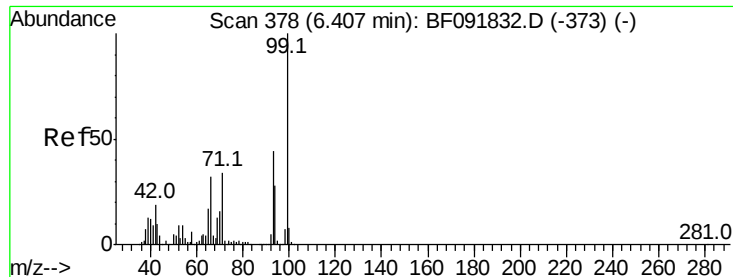


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 47.31 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091878.D

Acq: 22 Dec 2016 11:39

Instrument :

BNA\_F

ClientSampleId :

MW-17

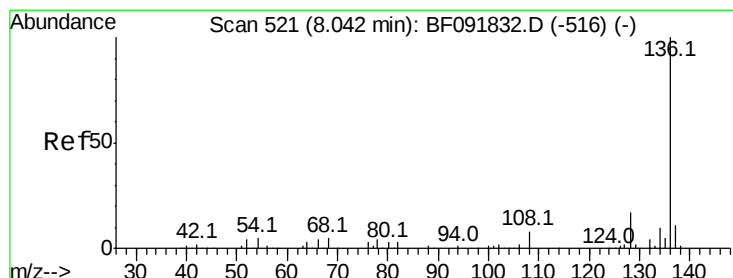
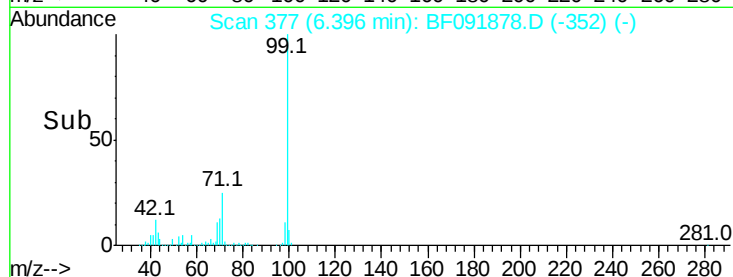
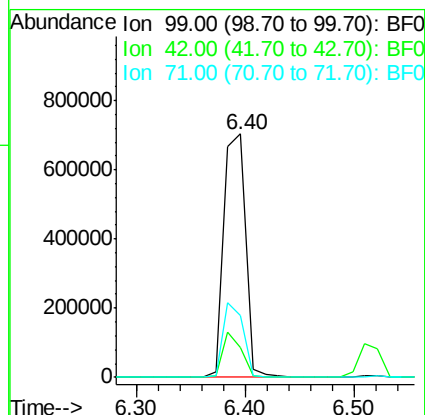
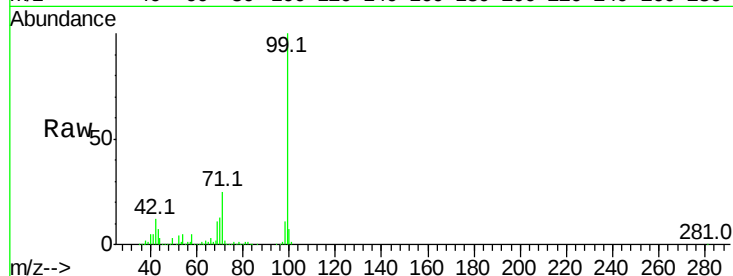
Tot Ion: 99 Resp: 982174

Ion Ratio Lower Upper

99 100

42 12.3 15.6 23.4#

71 25.4 27.5 41.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091878.D

Acq: 22 Dec 2016 11:39

Tgt Ion: 136 Resp: 1114834

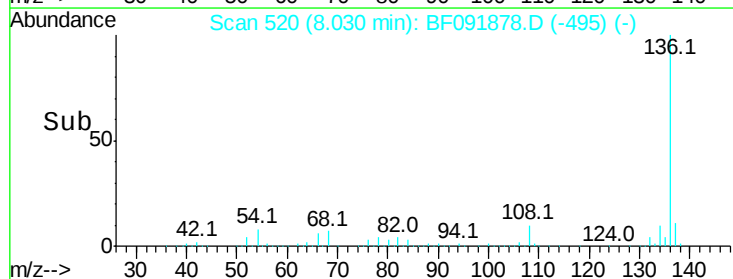
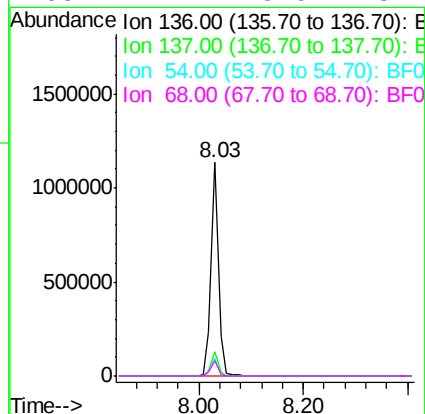
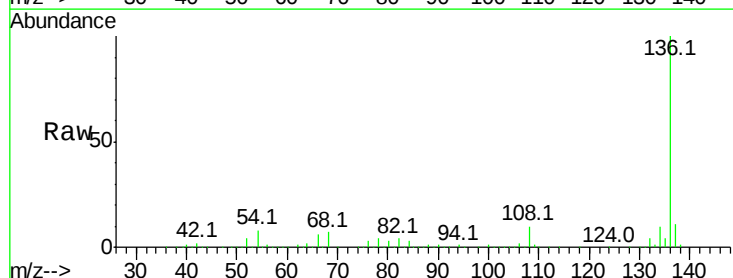
Ion Ratio Lower Upper

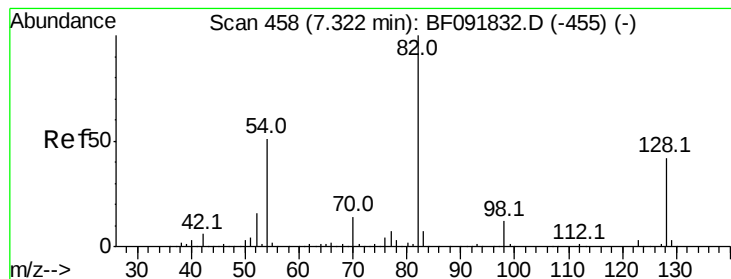
136 100

137 11.5 8.4 12.6

54 8.5 4.5 6.7#

68 7.1 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 96.21 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF091878.D

Acq: 22 Dec 2016 11:39

Instrument :

BNA\_F

ClientSampleId :

MW-17

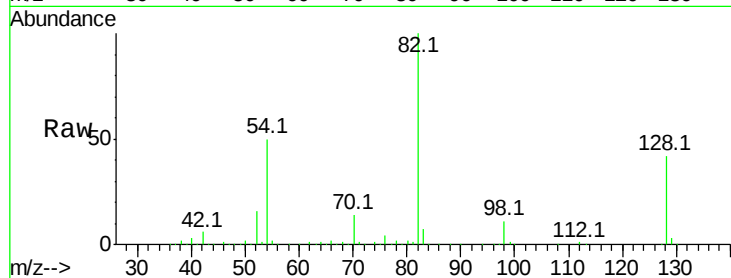
Tot Ion: 82 Resp: 1928879

Ion Ratio Lower Upper

82 100

128 41.9 34.6 52.0

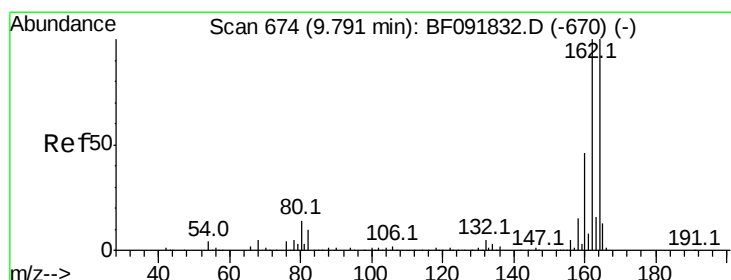
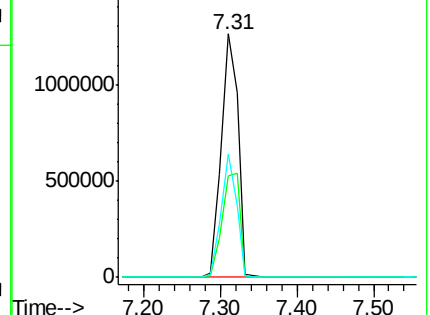
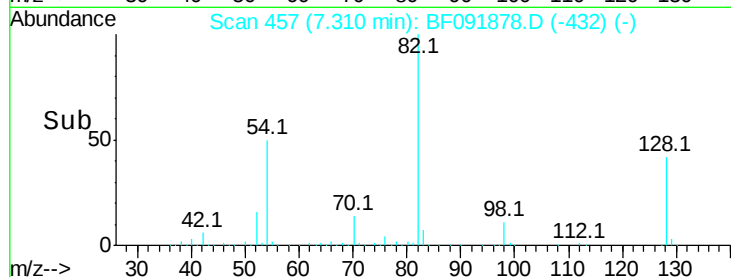
54 50.5 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091878.D

Acq: 22 Dec 2016 11:39

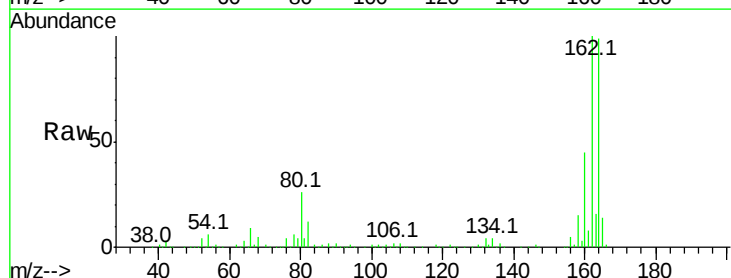
Tgt Ion:164 Resp: 588202

Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

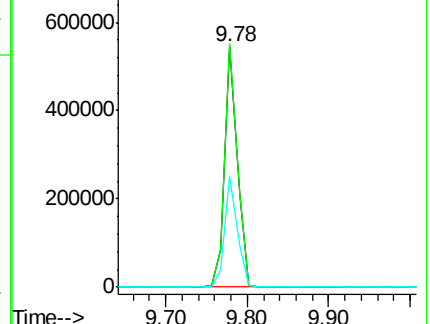
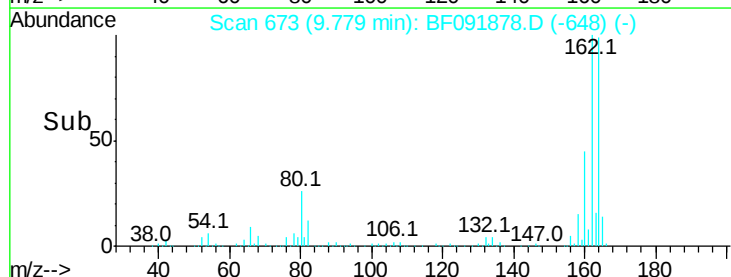
160 45.7 36.9 55.3

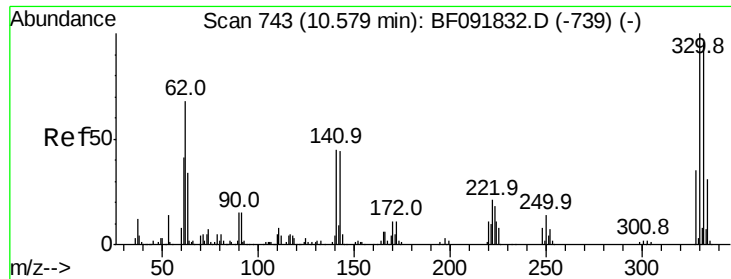


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

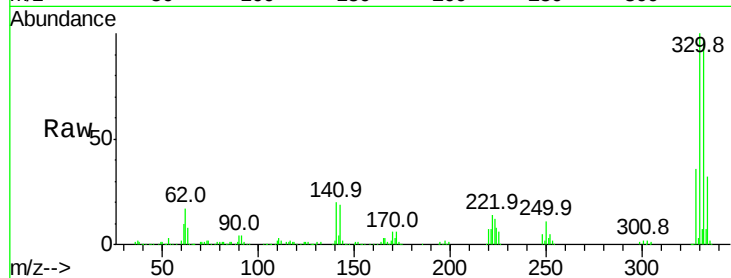




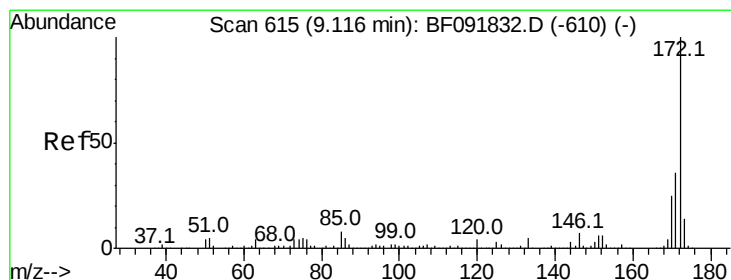
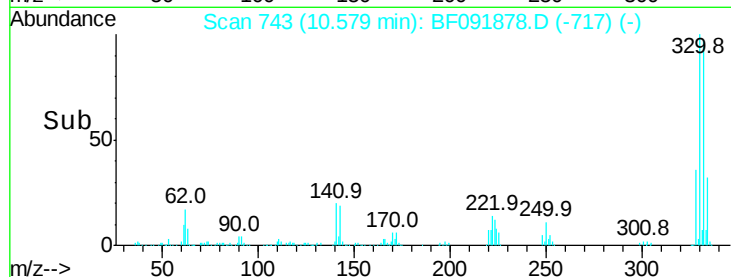
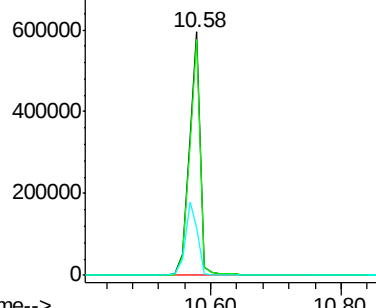
#41  
 2,4,6-Tribromophenol  
 Concen: 145.94 ng  
 RT: 10.58 min Scan# 743  
 Delta R.T. -0.00 min  
 Lab File: BF091878.D  
 Acq: 22 Dec 2016 11:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-17

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.4  | 116.2 |
| 141     | 33.9  | 34.1  | 51.1# |

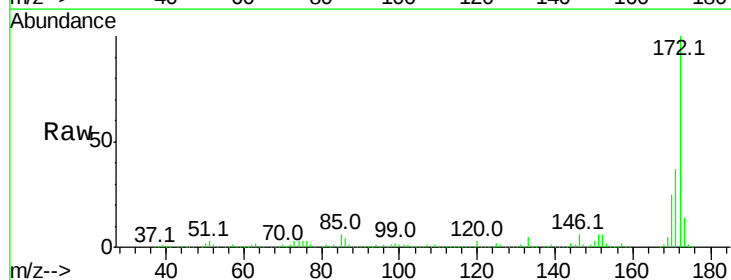


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

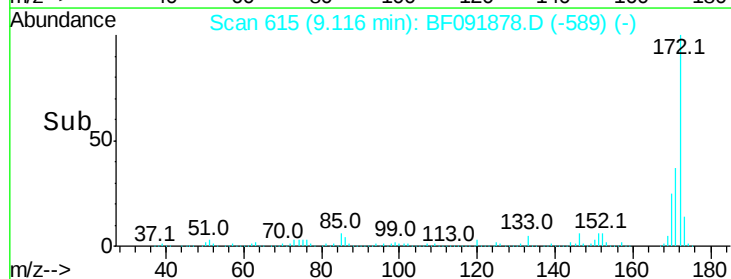
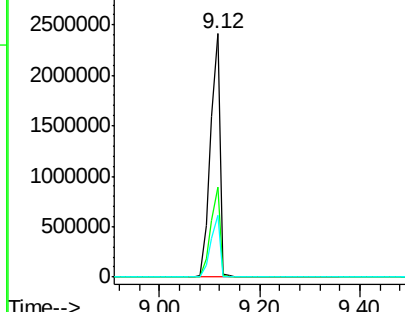


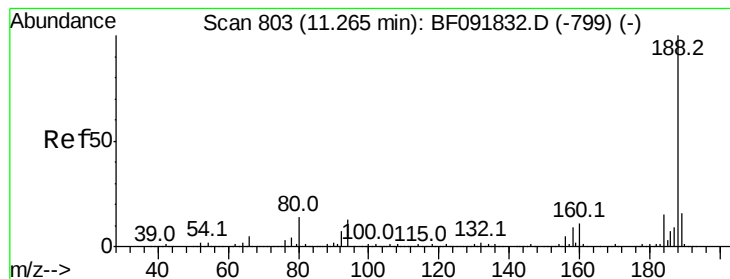
#44  
 2-Fluorobiphenyl  
 Concen: 115.07 ng  
 RT: 9.12 min Scan# 615  
 Delta R.T. 0.00 min  
 Lab File: BF091878.D  
 Acq: 22 Dec 2016 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.4  | 44.0  |
| 170     | 25.3  | 20.2  | 30.4  |



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: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF091878.D

Acq: 22 Dec 2016 11:39

Instrument :

BNA\_F

ClientSampleId :

MW-17

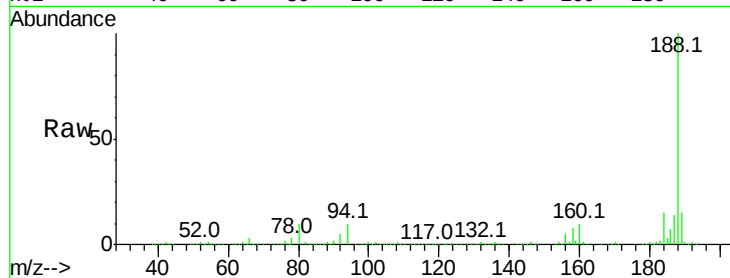
Tot Ion:188 Resp: 1047004

Ion Ratio Lower Upper

188 100

94 9.7 10.0 15.0#

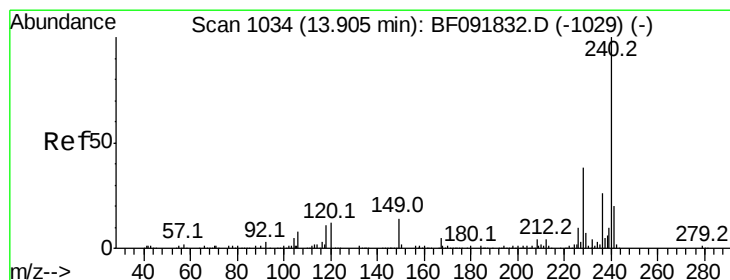
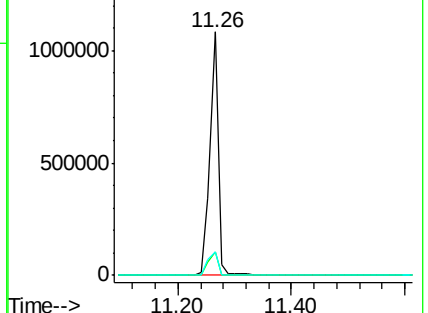
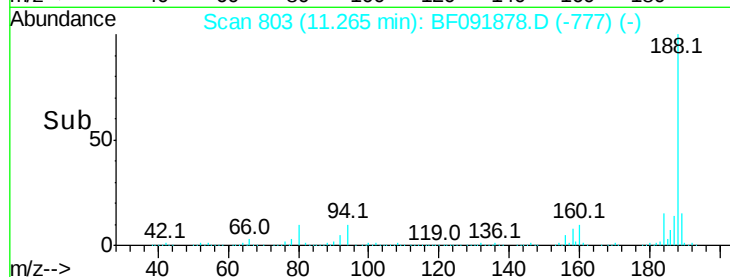
80 9.8 11.2 16.8#



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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091878.D

Acq: 22 Dec 2016 11:39

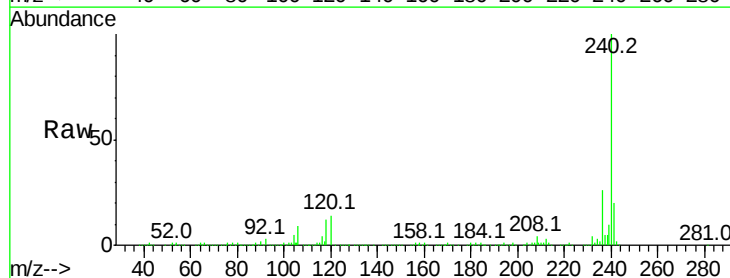
Tgt Ion:240 Resp: 757140

Ion Ratio Lower Upper

240 100

120 13.9 12.9 19.3

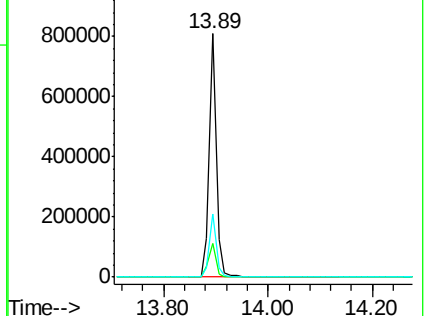
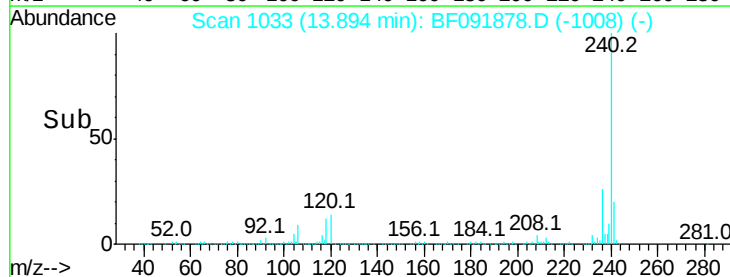
236 25.7 20.9 31.3

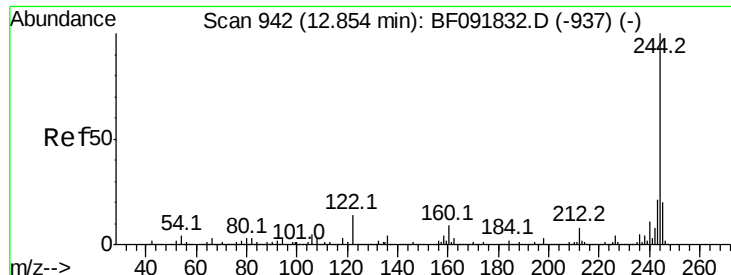


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

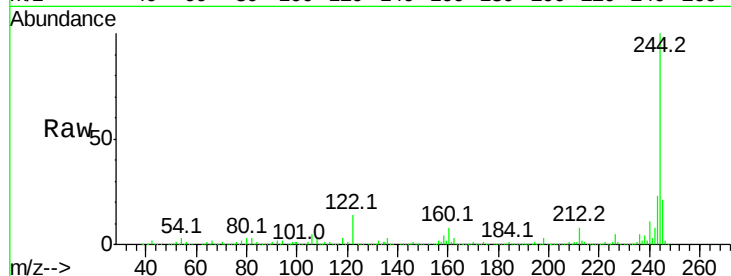




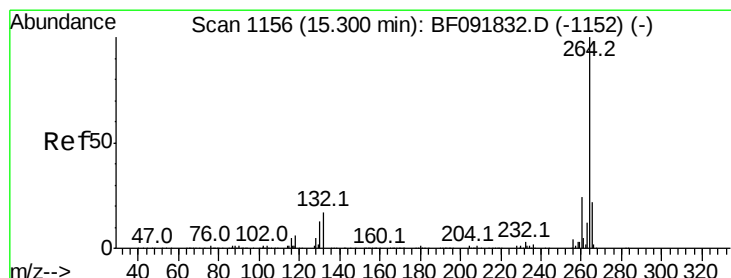
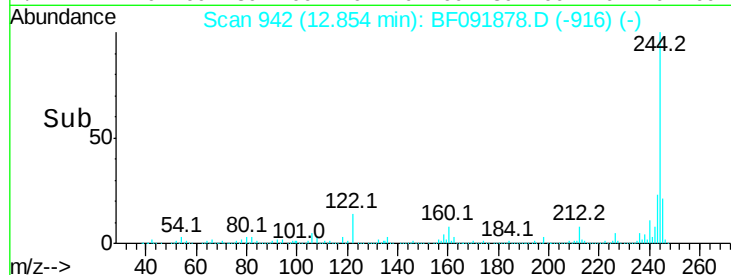
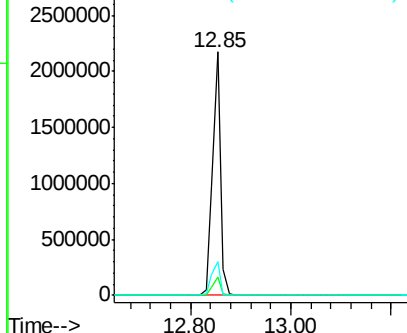
#78  
 Terphenyl-d14  
 Concen: 76.53 ng  
 RT: 12.85 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: BF091878.D  
 Acq: 22 Dec 2016 11:39

Instrument :  
 BNA\_F  
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 MW-17

Tot Ion:244 Resp: 2389119  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.2  
 122 13.6 11.4 17.2

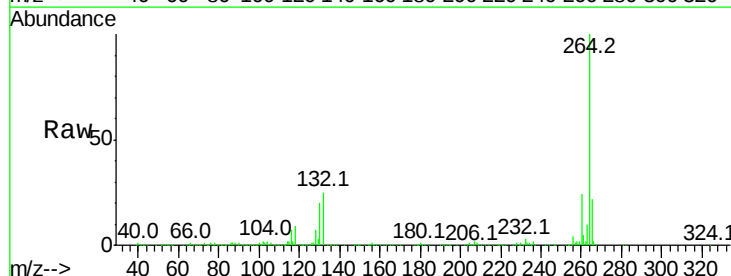


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.29 min Scan# 1155  
 Delta R.T. -0.01 min  
 Lab File: BF091878.D  
 Acq: 22 Dec 2016 11:39

Tgt Ion:264 Resp: 578267  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 22.1 17.4 26.0



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

