

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\  
 Data File : BF091796.D  
 Acq On : 20 Dec 2016 1:53  
 Operator : UM/SJ  
 Sample : H6126-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-35

Quant Time: Dec 20 03:34:44 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 17 22:53:54 2016  
 Response via : Initial Calibration

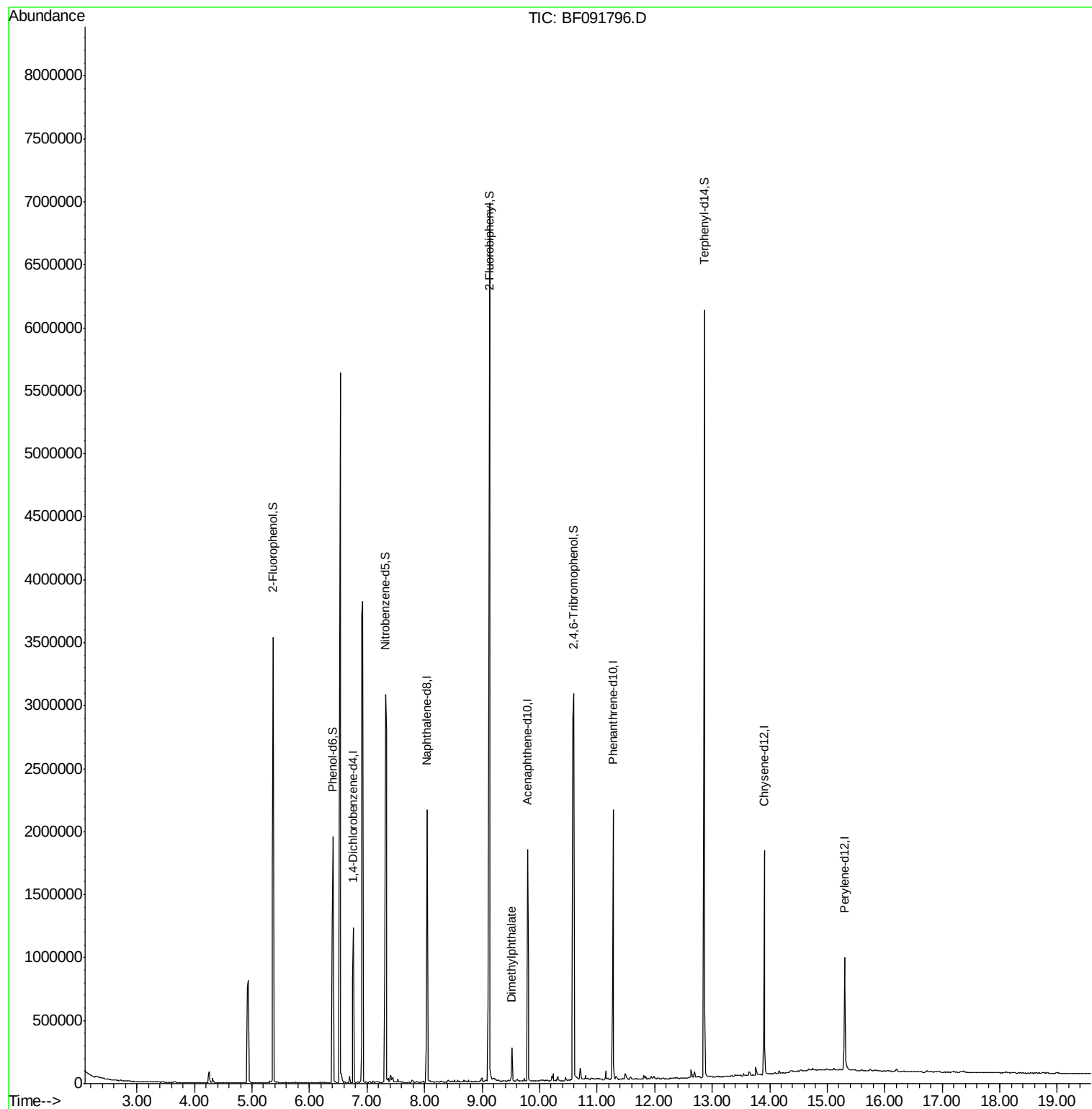
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 246117   | 20.00  | ng    | -0.01          |
| 21) Naphthalene-d8          | 8.04  | 136  | 957999   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 9.79  | 164  | 470692   | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 11.28 | 188  | 795443   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 13.91 | 240  | 602168   | 20.00  | ng    | -0.02          |
| 86) Perylene-d12            | 15.30 | 264  | 475675   | 20.00  | ng    | -0.03          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.37  | 112  | 1069295  | 72.79  | ng    | 0.00           |
| 7) Phenol-d6                | 6.41  | 99   | 851101   | 47.51  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.32  | 82   | 1677868  | 101.00 | ng    | -0.02          |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 586533   | 146.95 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 2606070  | 111.23 | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.87 | 244  | 2060733  | 86.41  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.52  | 163  | 99857    | 3.25   | ng    | Qvalue<br># 99 |

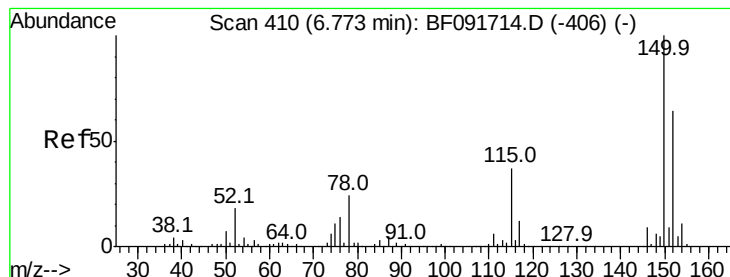
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 17 22:53:54 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091796.D

Acq: 20 Dec 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

MW-35

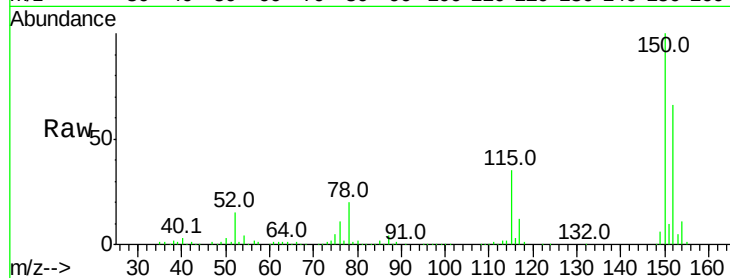
Tot Ion:152 Resp: 246117

Ion Ratio Lower Upper

152 100

150 150.7 124.9 187.3

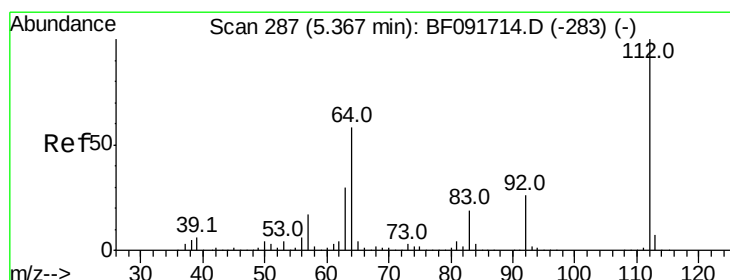
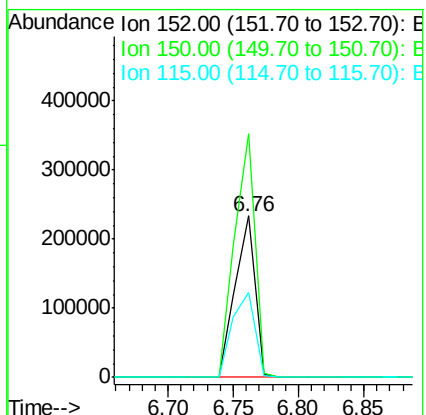
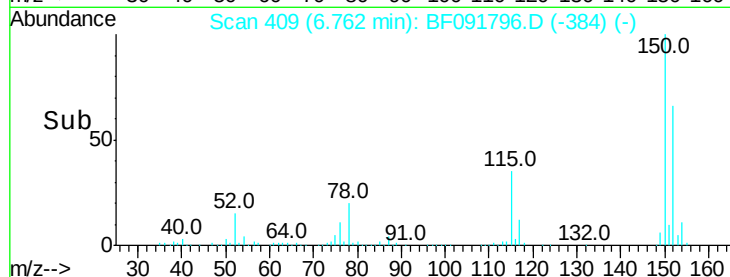
115 52.6 46.0 69.0



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: 72.79 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF091796.D

Acq: 20 Dec 2016 1:53

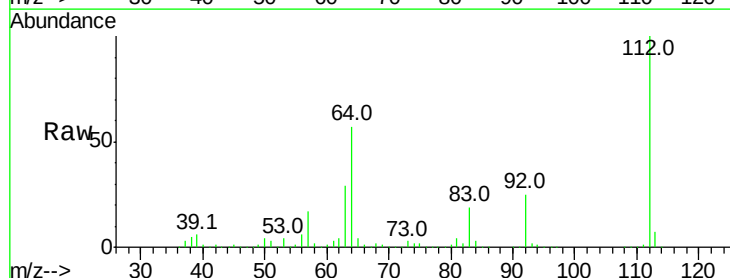
Tgt Ion:112 Resp: 1069295

Ion Ratio Lower Upper

112 100

64 56.6 46.1 69.1

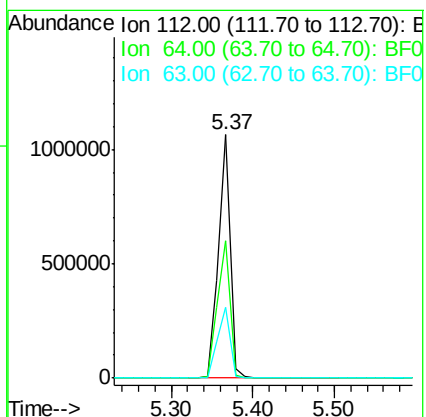
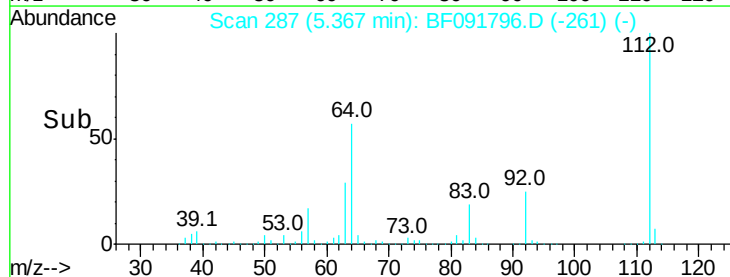
63 29.2 23.8 35.6

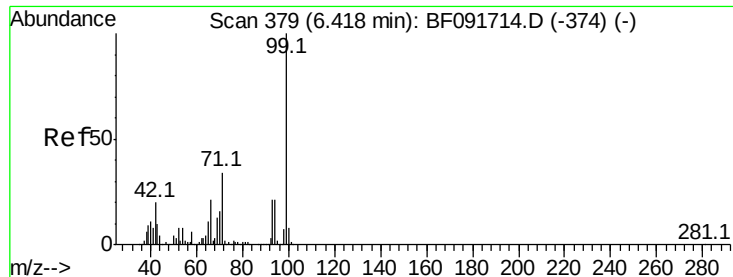


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 47.51 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091796.D

Acq: 20 Dec 2016 1:53

Instrument :

BNA\_F

ClientSampled :

MW-35

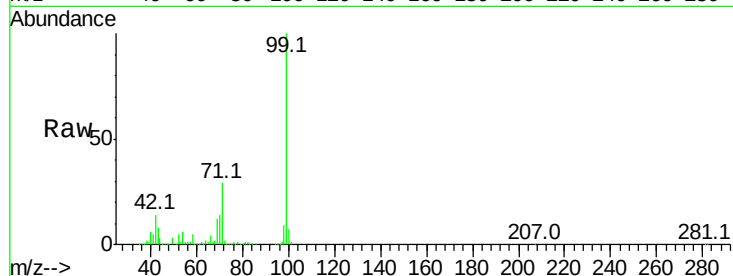
Tot Ion: 99 Resp: 851101

Ion Ratio Lower Upper

99 100

42 14.1 15.6 23.4#

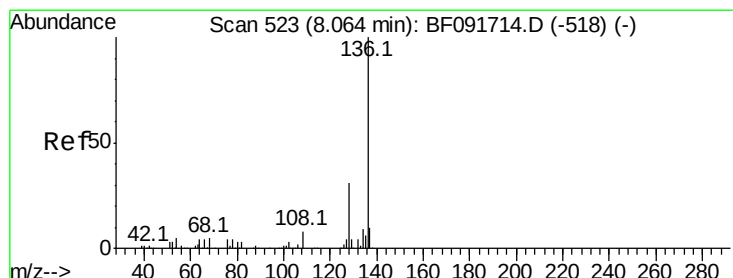
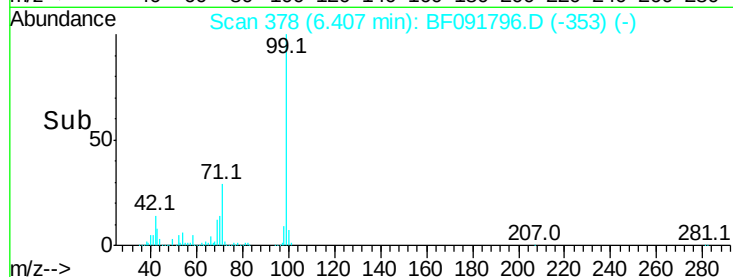
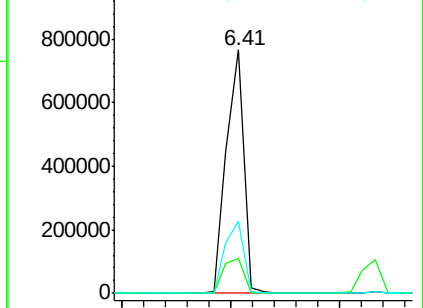
71 29.5 27.5 41.3



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: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF091796.D

Acq: 20 Dec 2016 1:53

Tgt Ion: 136 Resp: 957999

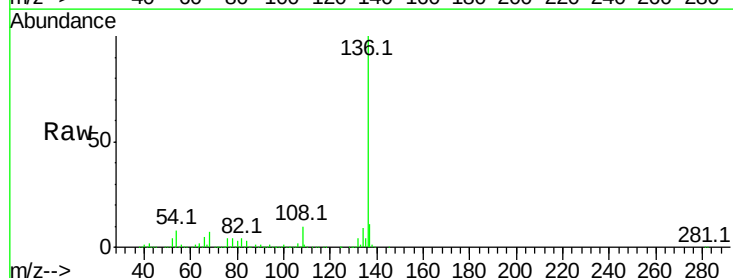
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 8.3 4.5 6.7#

68 6.8 3.6 5.4#

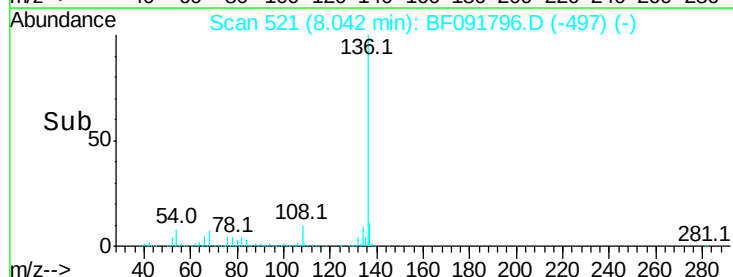
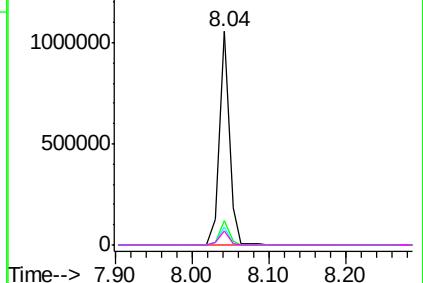


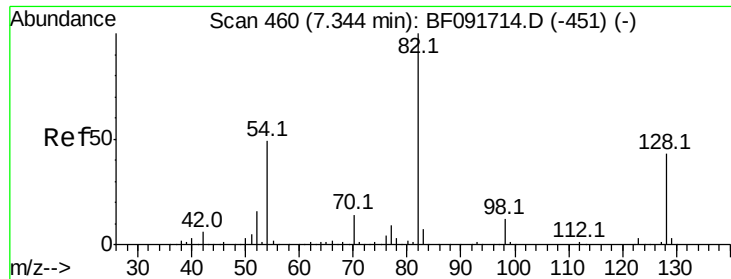
Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.00 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF091796.D

Acq: 20 Dec 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

MW-35

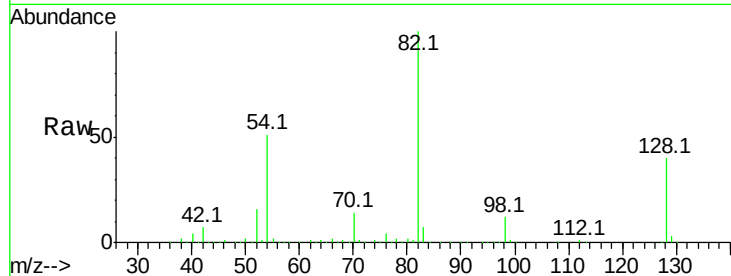
Tot Ion: 82 Resp: 1677868

Ion Ratio Lower Upper

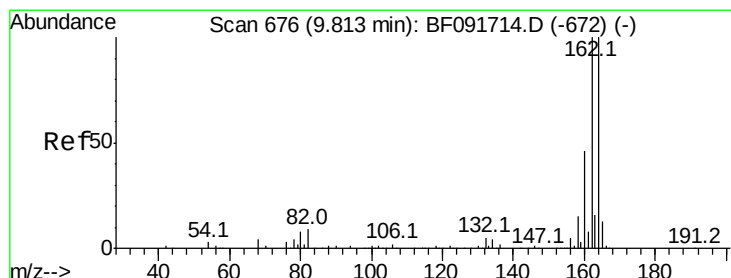
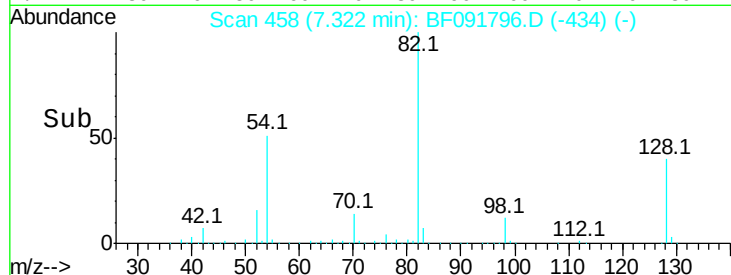
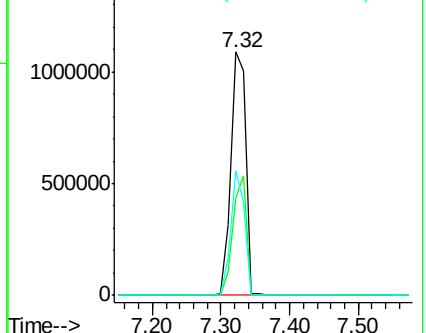
82 100

128 40.2 34.6 52.0

54 51.2 39.5 59.3



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: 9.79 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF091796.D

Acq: 20 Dec 2016 1:53

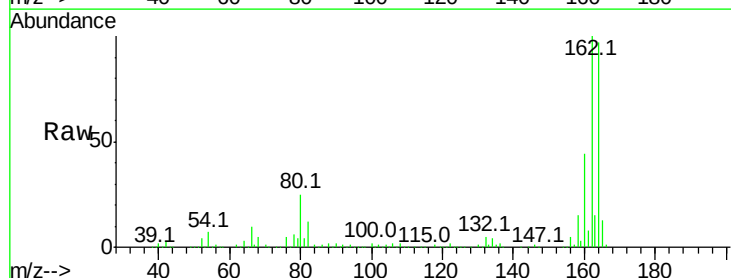
Tgt Ion:164 Resp: 470692

Ion Ratio Lower Upper

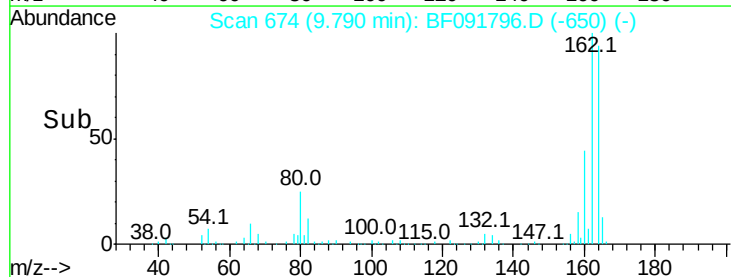
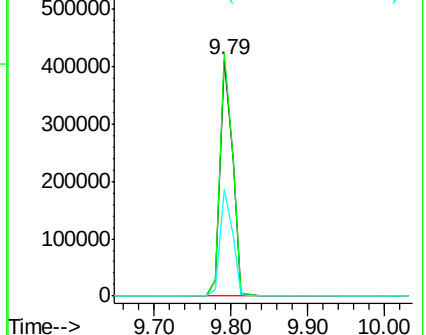
164 100

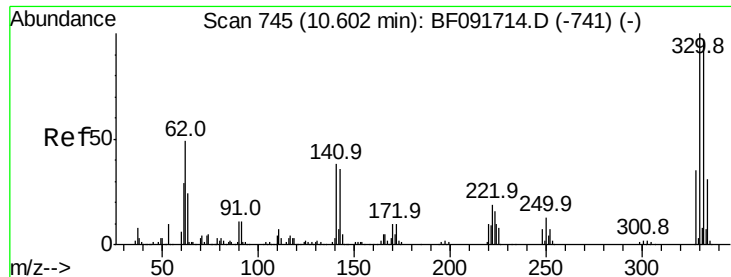
162 103.1 80.2 120.2

160 45.4 36.9 55.3



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

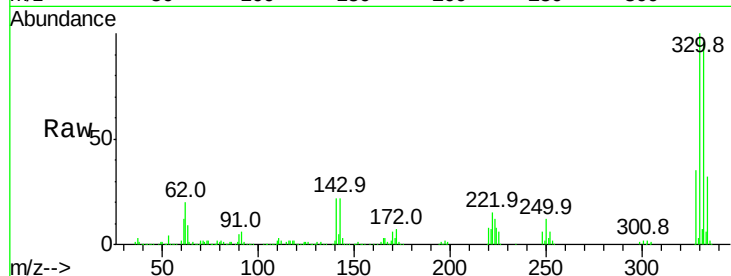




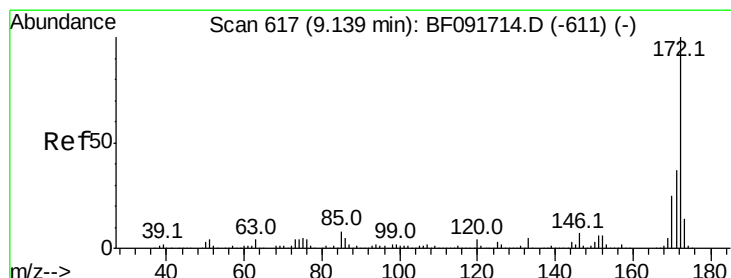
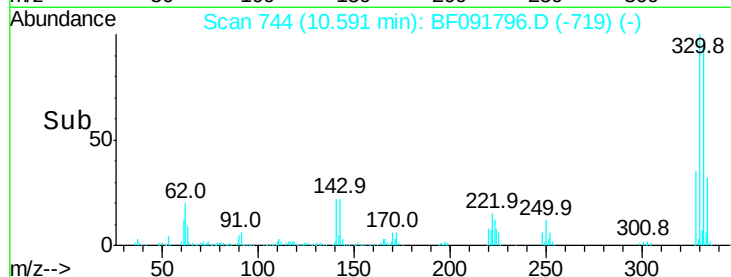
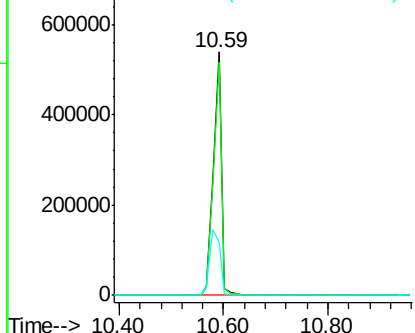
#41  
 2,4,6-Tribromophenol  
 Concen: 146.95 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.01 min  
 Lab File: BF091796.D  
 Acq: 20 Dec 2016 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-35

Tot Ion:330 Resp: 586533  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 77.4 116.2  
 141 34.5 34.1 51.1

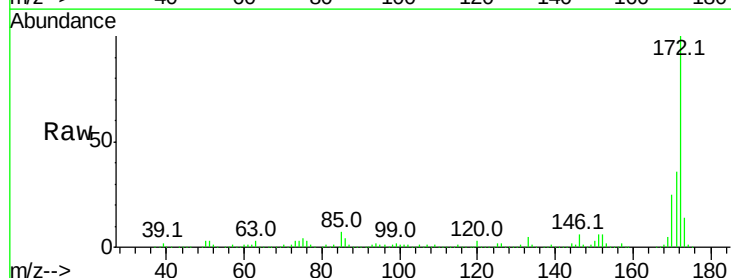


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

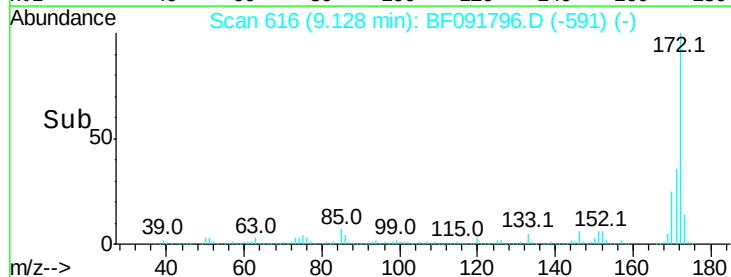
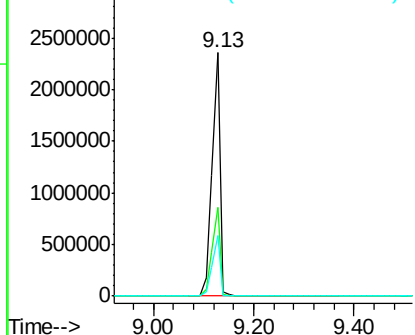


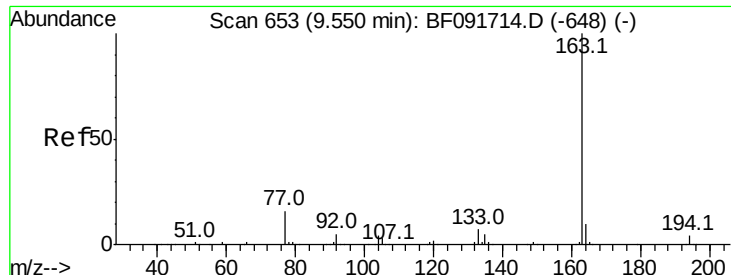
#44  
 2-Fluorobiphenyl  
 Concen: 111.23 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.01 min  
 Lab File: BF091796.D  
 Acq: 20 Dec 2016 1:53

Tgt Ion:172 Resp: 2606070  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.4 44.0  
 170 25.1 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





#49

Dimethylphthalate

Concen: 3.25 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF091796.D

Acq: 20 Dec 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

MW-35

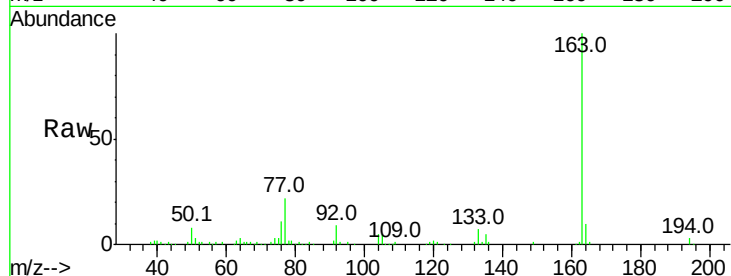
Tot Ion:163 Resp: 99857

Ion Ratio Lower Upper

163 100

194 2.9 3.0 4.4#

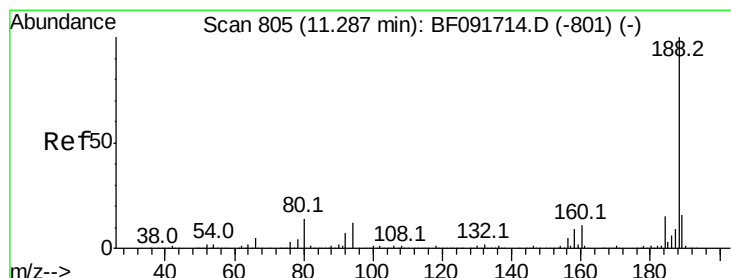
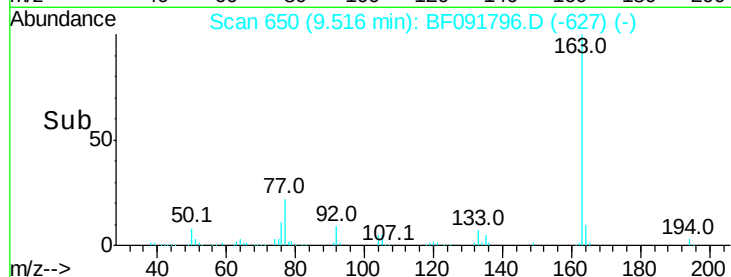
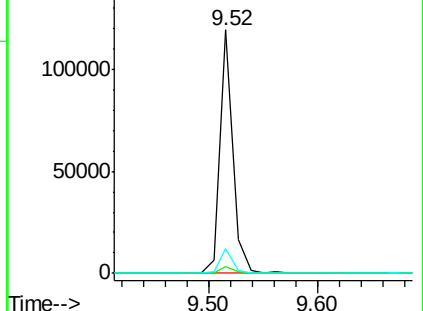
164 10.3 8.0 12.0



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: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF091796.D

Acq: 20 Dec 2016 1:53

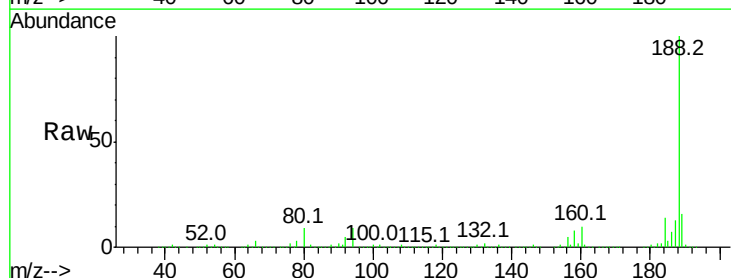
Tgt Ion:188 Resp: 795443

Ion Ratio Lower Upper

188 100

94 9.0 10.0 15.0#

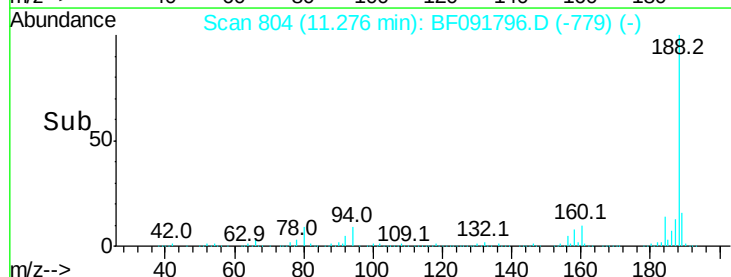
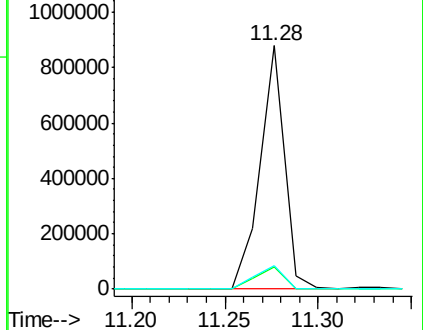
80 9.4 11.2 16.8#

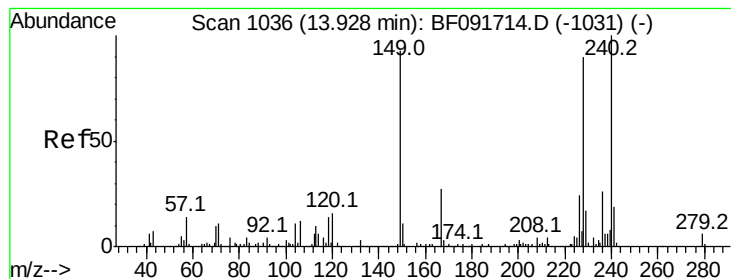


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF091796.D

Acq: 20 Dec 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

MW-35

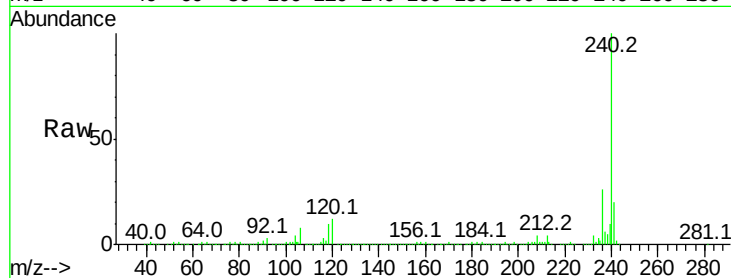
Tot Ion:240 Resp: 602168

Ion Ratio Lower Upper

240 100

120 11.7 12.9 19.3#

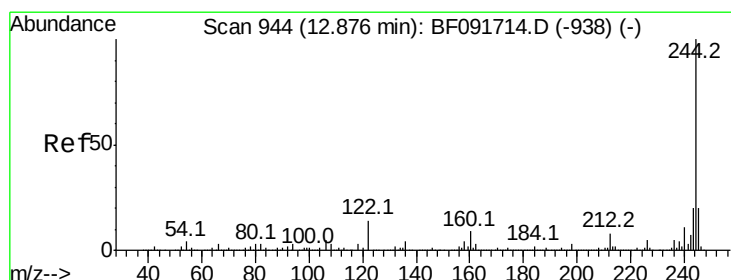
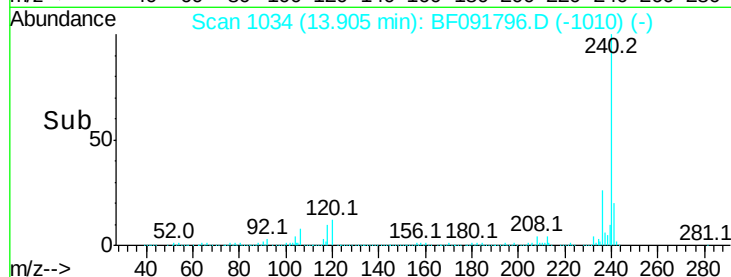
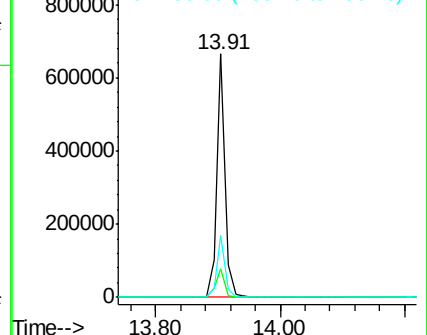
236 25.5 20.9 31.3



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: 86.41 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091796.D

Acq: 20 Dec 2016 1:53

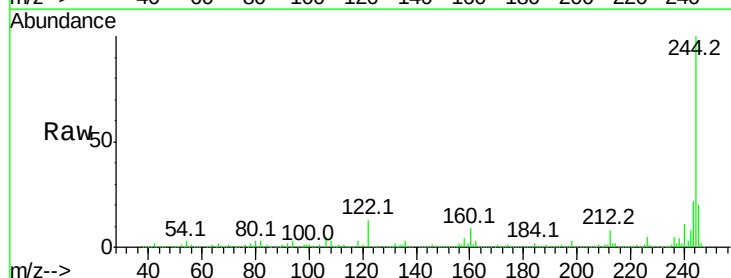
Tgt Ion:244 Resp: 2060733

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

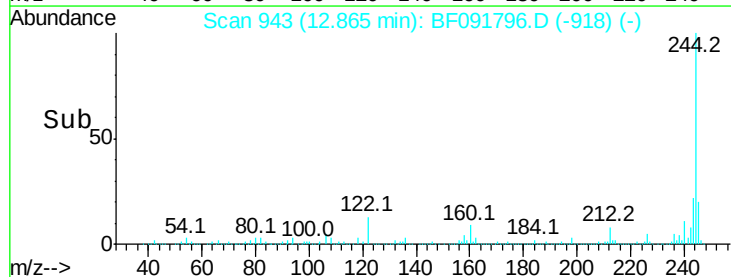
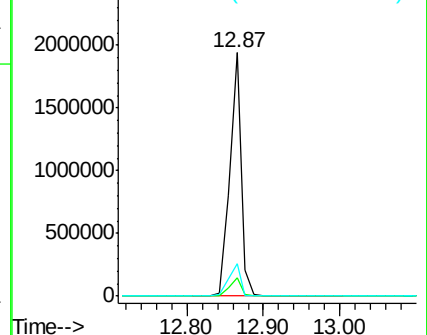
122 13.5 11.4 17.2



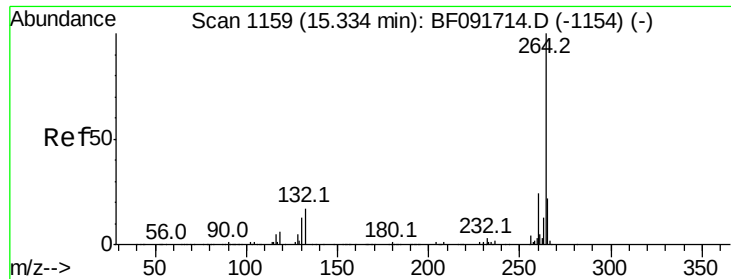
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



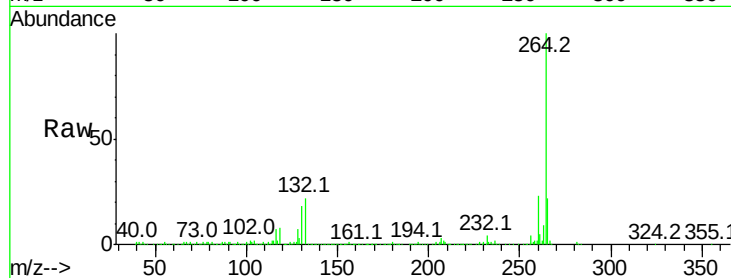




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.30 min Scan# 1156  
Delta R.T. -0.03 min  
Lab File: BF091796.D  
Acq: 20 Dec 2016 1:53

Instrument :  
BNA\_F  
ClientSampleId :  
MW-35

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.2  | 28.8  |
| 265     | 22.3  | 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

