

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021617\  
 Data File : BF092988.D  
 Acq On : 16 Feb 2017 18:36  
 Operator : SJ/MA  
 Sample : PB96981BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96981BL

Quant Time: Feb 17 00:01:44 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 16 23:55:37 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 133708   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.14  | 136  | 574325   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 314568   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.38 | 188  | 505441   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.01 | 240  | 496318   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.44 | 264  | 414965   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 988134   | 126.79 | ng    | 0.01     |
| 7) Phenol-d6                | 6.50  | 99   | 1310045  | 130.64 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 826155   | 80.11  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 261672   | 115.01 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 1481956  | 85.35  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.97 | 244  | 1461526  | 69.19  | ng    | 0.00     |

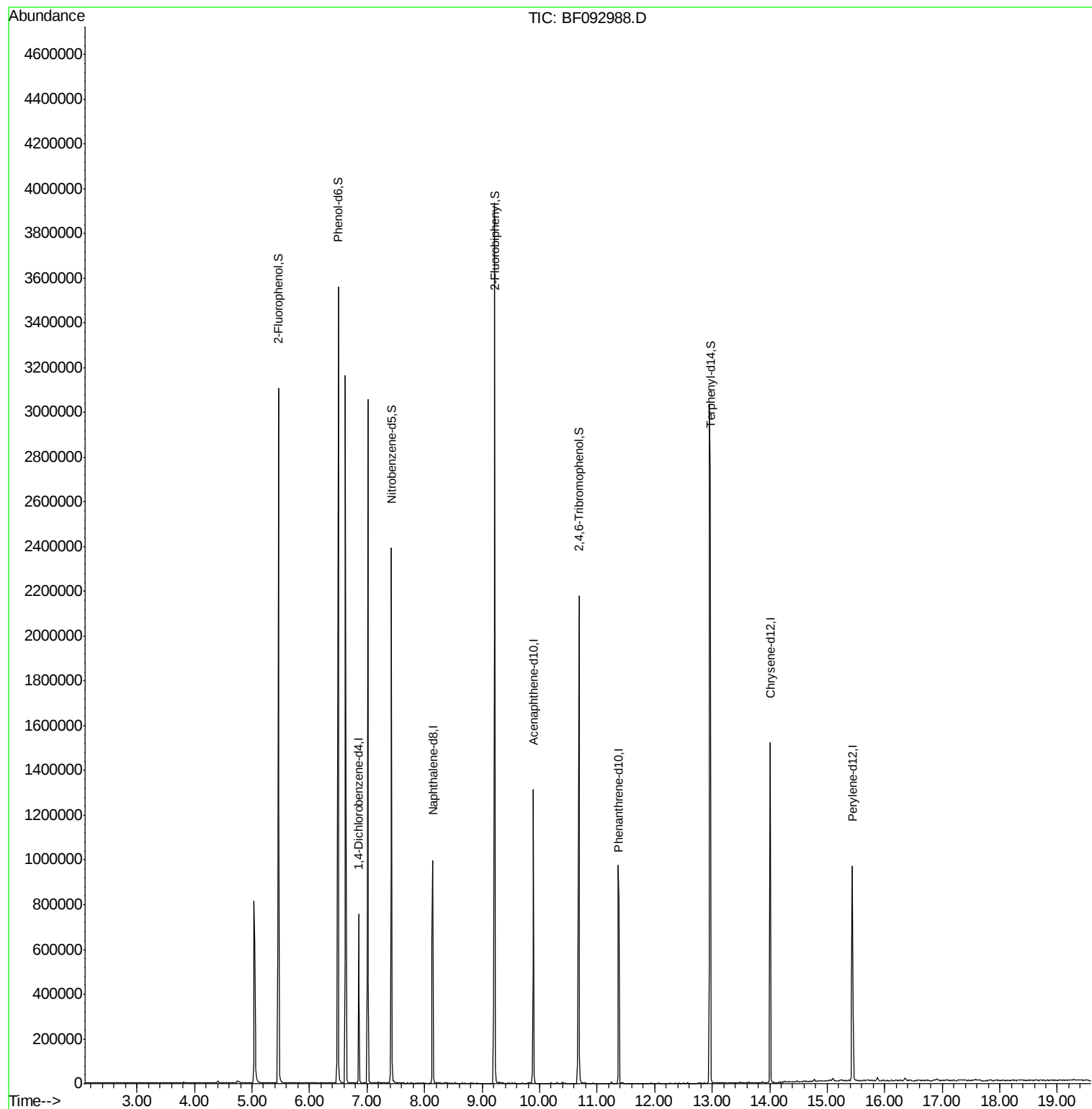
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

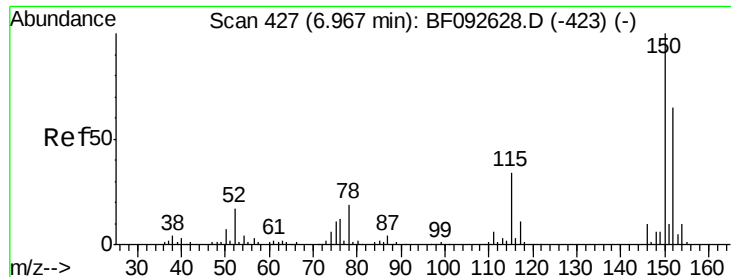
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

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PB96981BL

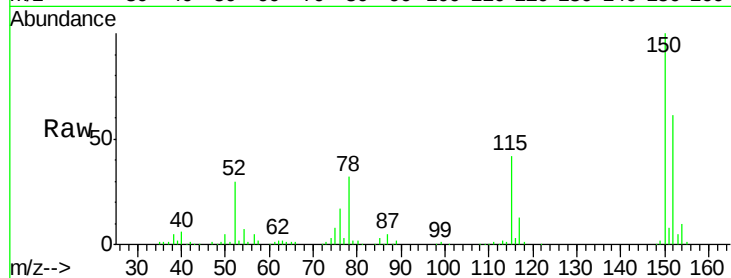
Tgt Ion:152 Resp: 133708

Ion Ratio Lower Upper

152 100

150 162.8 124.9 187.3

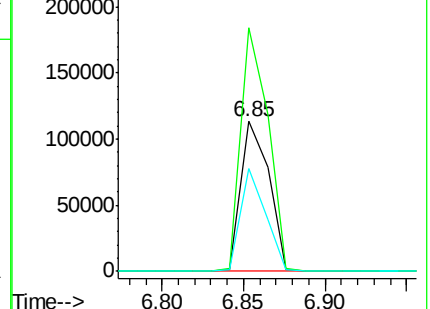
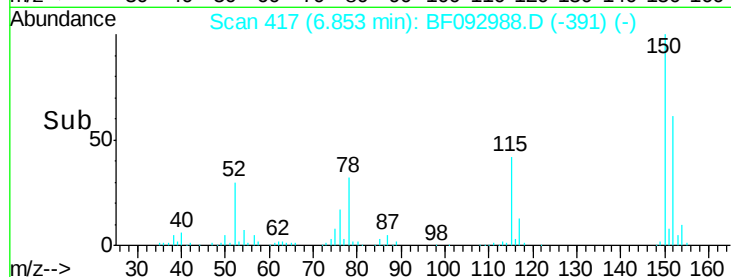
115 68.4 46.0 69.0



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: 126.79 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF092988.D

Acq: 16 Feb 2017 18:36

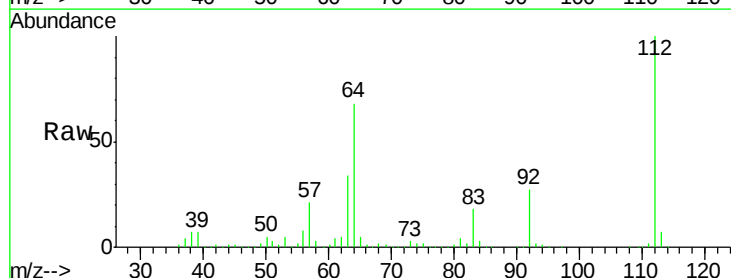
Tgt Ion:112 Resp: 988134

Ion Ratio Lower Upper

112 100

64 67.9 46.1 69.1

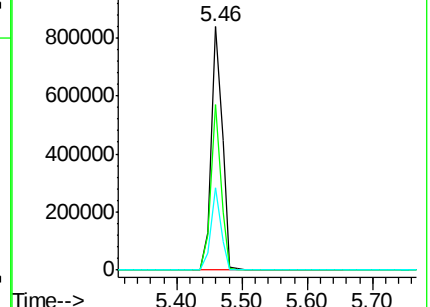
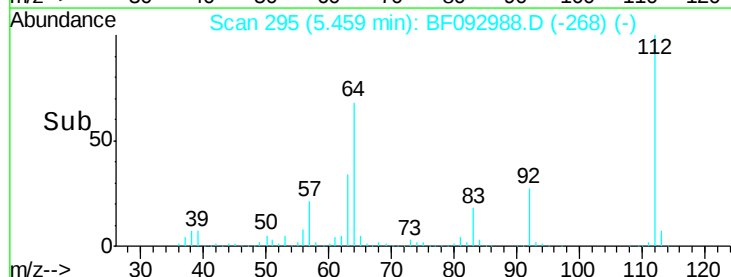
63 33.8 23.8 35.6



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: 130.64 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.00 min

Lab File: BF092988.D

Acq: 16 Feb 2017 18:36

Instrument :

BNA\_F

ClientSampleId :

PB96981BL

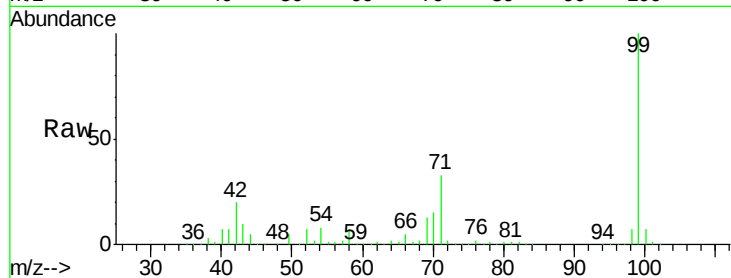
Tgt Ion: 99 Resp: 1310045

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

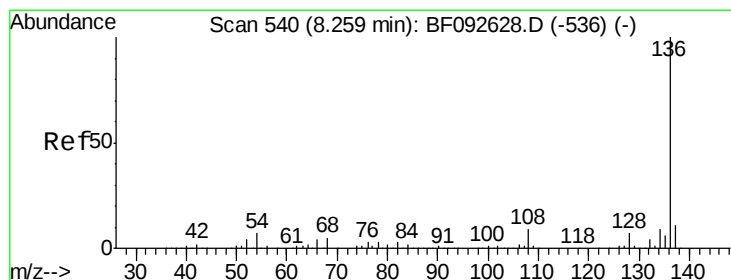
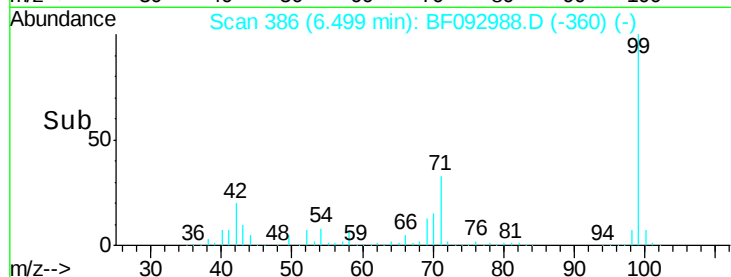
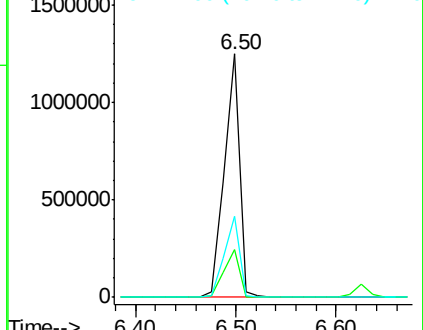
71 33.1 27.5 41.3



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: 8.14 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF092988.D

Acq: 16 Feb 2017 18:36

Tgt Ion: 136 Resp: 574325

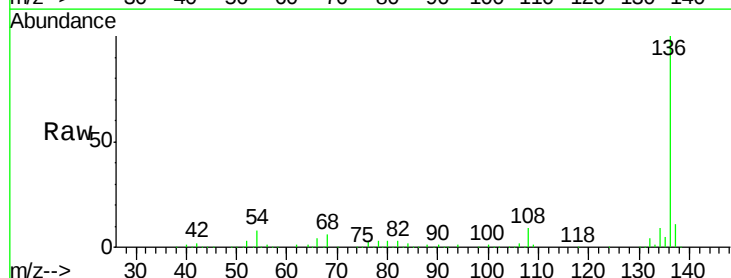
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 7.8 4.5 6.7#

68 5.7 3.6 5.4#

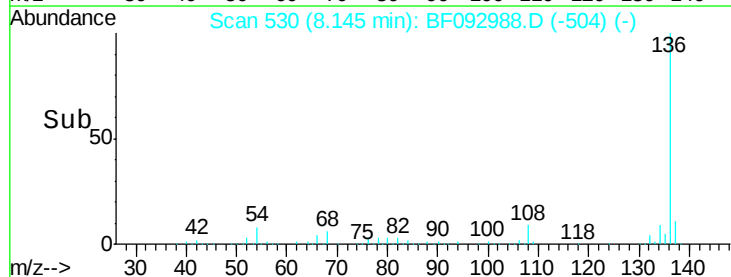
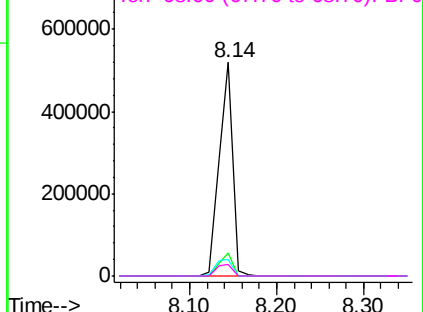


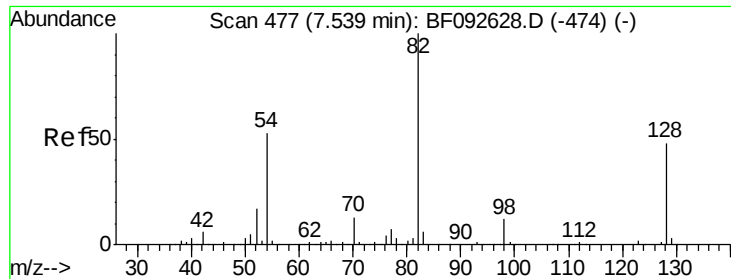
Abundance Ion 136.00 (135.70 to 136.70): E

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

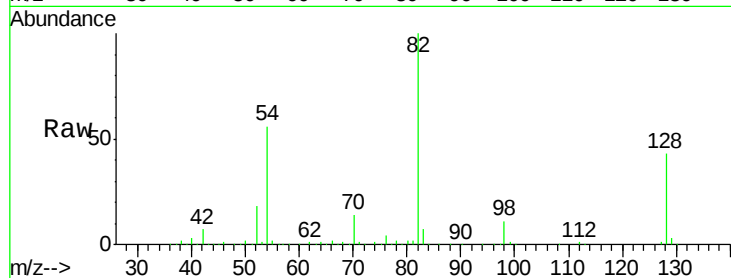




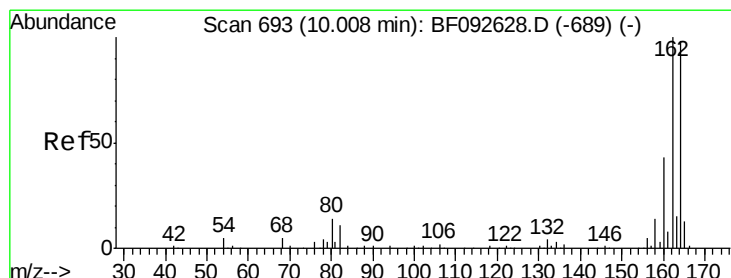
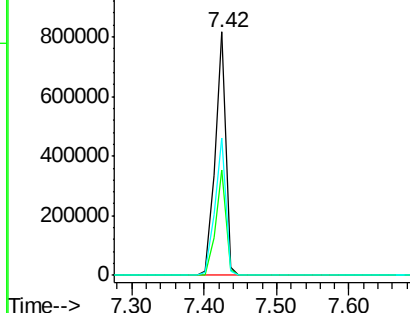
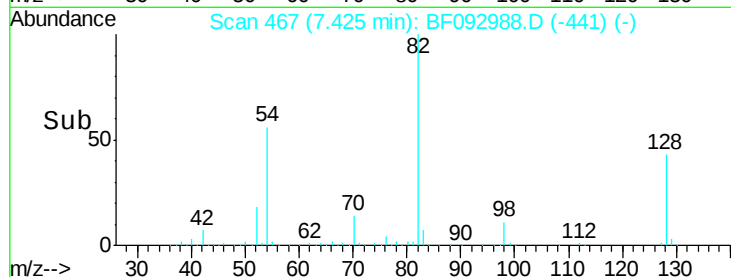
#23  
 Nitrobenzene-d5  
 Concen: 80.11 ng  
 RT: 7.42 min Scan# 467  
 Delta R.T. -0.00 min  
 Lab File: BF092988.D  
 Acq: 16 Feb 2017 18:36

Instrument :  
 BNA\_F  
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 PB96981BL

Tgt Ion: 82 Resp: 826155  
 Ion Ratio Lower Upper  
 82 100  
 128 43.2 34.6 52.0  
 54 56.3 39.5 59.3

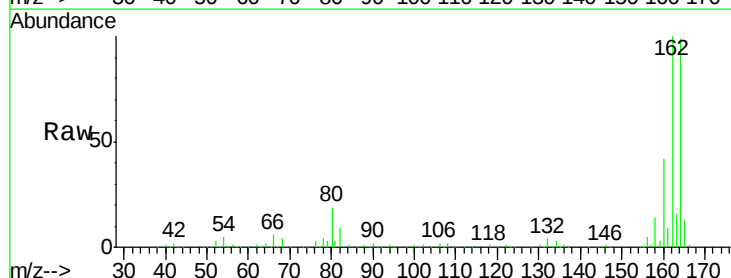


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

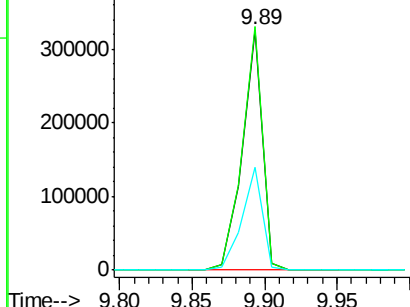
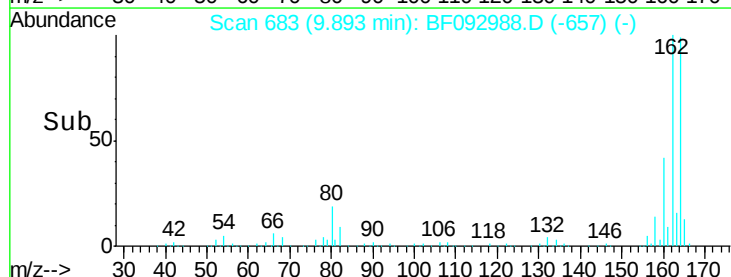


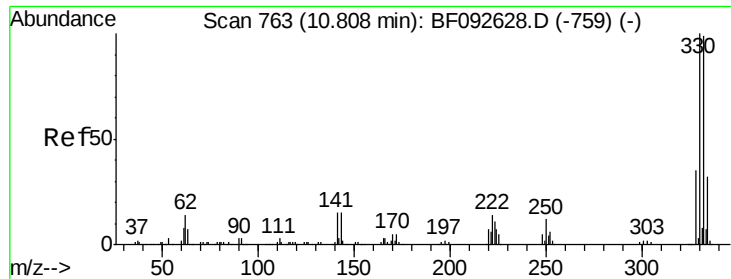
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 683  
 Delta R.T. -0.00 min  
 Lab File: BF092988.D  
 Acq: 16 Feb 2017 18:36

Tgt Ion: 164 Resp: 314568  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 80.2 120.2  
 160 42.7 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

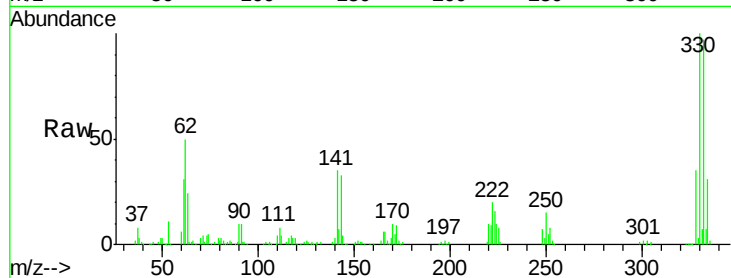




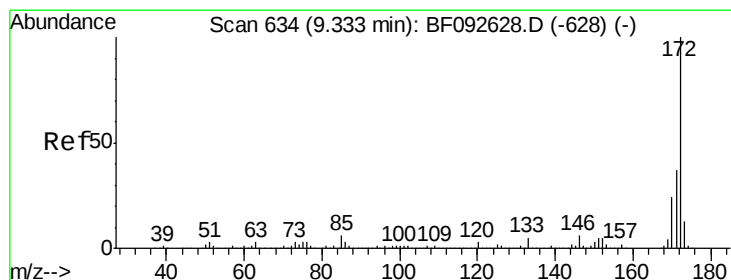
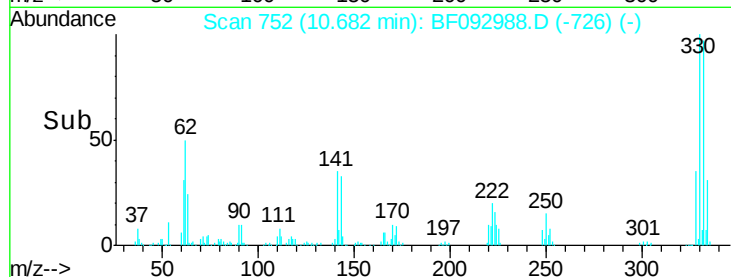
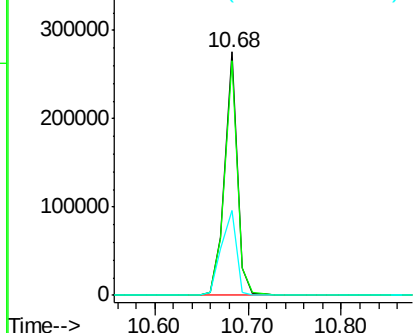
#41  
 2,4,6-Tribromophenol  
 Concen: 115.01 ng  
 RT: 10.68 min Scan# 752  
 Delta R.T. -0.00 min  
 Lab File: BF092988.D  
 Acq: 16 Feb 2017 18:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96981BL

Tgt Ion:330 Resp: 261672  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.4 116.2  
 141 41.6 34.1 51.1

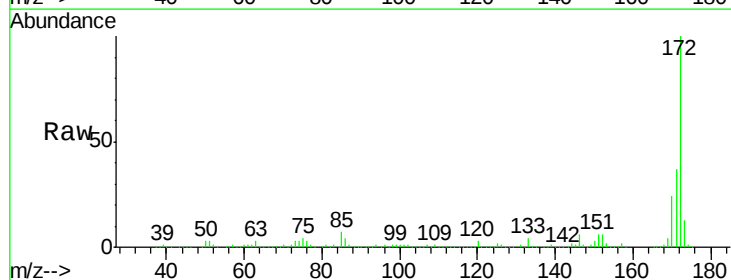


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

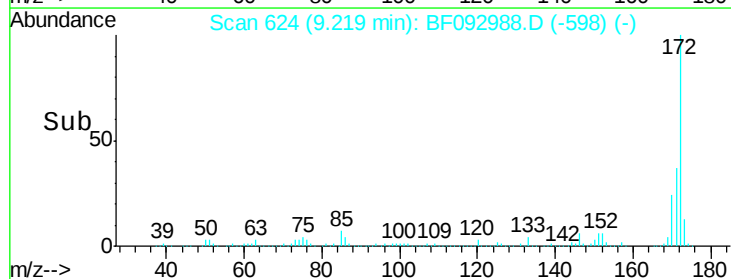
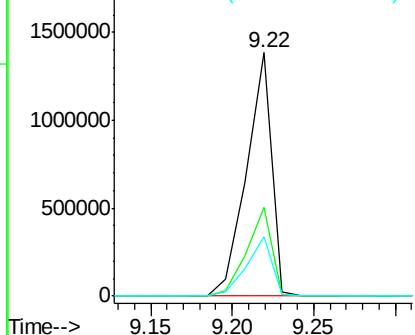


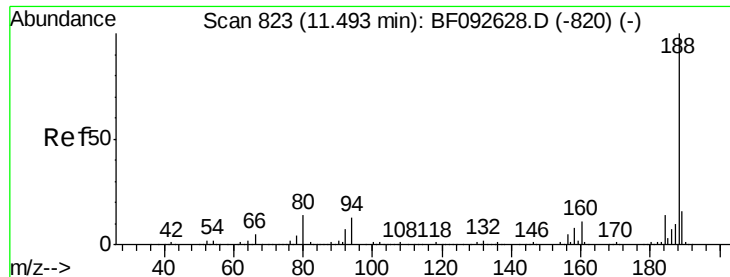
#44  
 2-Fluorobiphenyl  
 Concen: 85.35 ng  
 RT: 9.22 min Scan# 624  
 Delta R.T. -0.00 min  
 Lab File: BF092988.D  
 Acq: 16 Feb 2017 18:36

Tgt Ion:172 Resp: 1481956  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.4 44.0  
 170 24.4 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

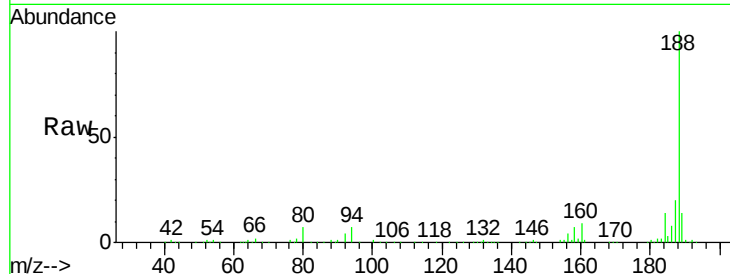




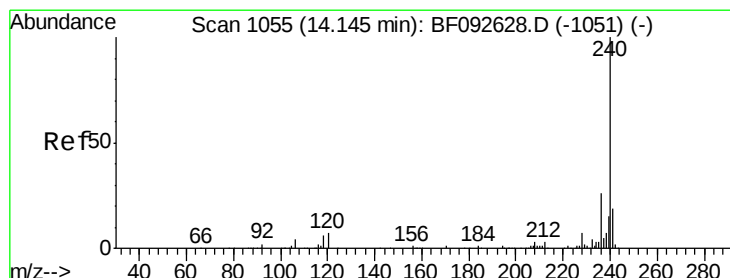
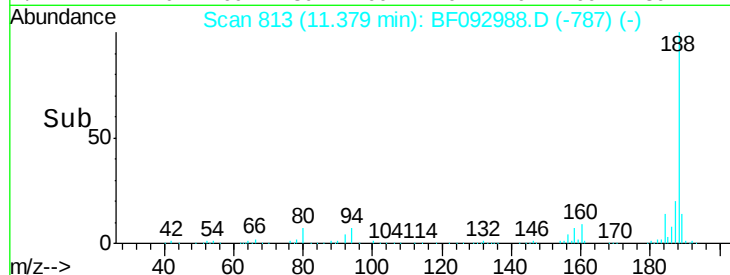
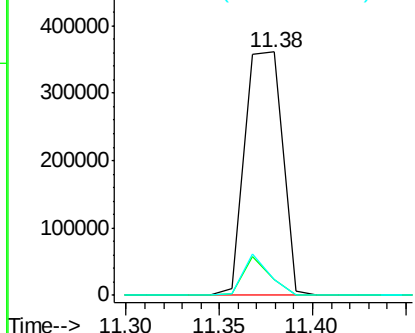
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF092988.D  
Acq: 16 Feb 2017 18:36

Instrument :  
BNA\_F  
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PB96981BL

Tgt Ion:188 Resp: 505441  
Ion Ratio Lower Upper  
188 100  
94 6.7 10.0 15.0#  
80 6.6 11.2 16.8#

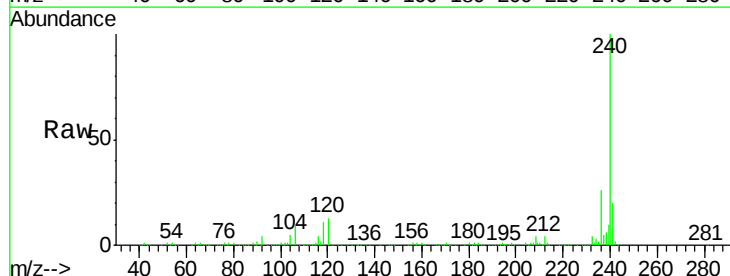


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

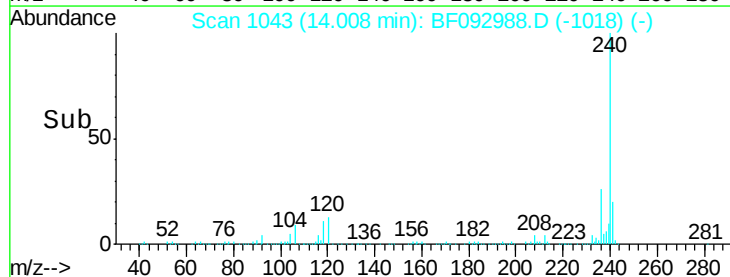
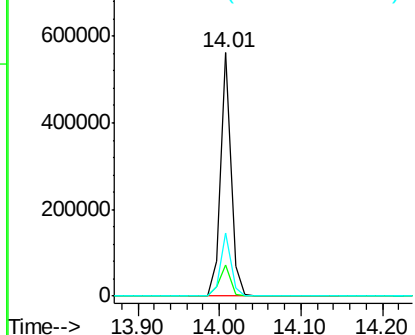


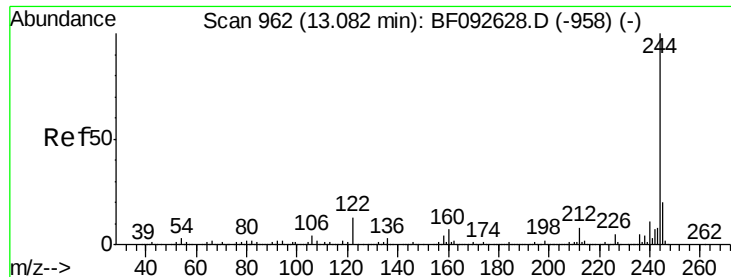
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.01 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: BF092988.D  
Acq: 16 Feb 2017 18:36

Tgt Ion:240 Resp: 496318  
Ion Ratio Lower Upper  
240 100  
120 12.9 12.9 19.3  
236 25.9 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

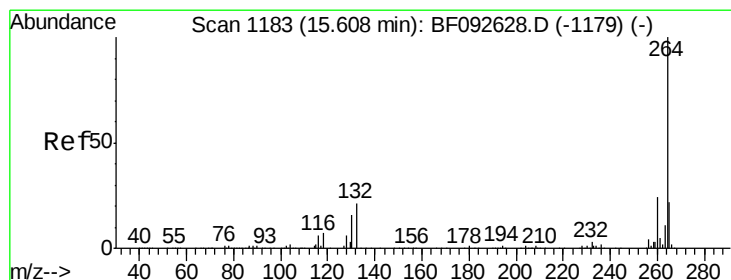
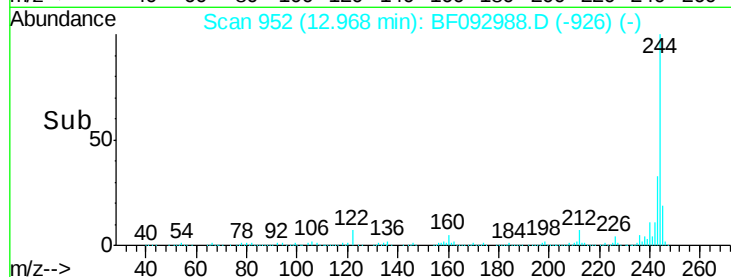
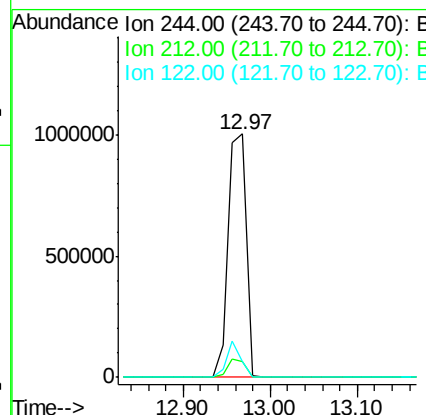
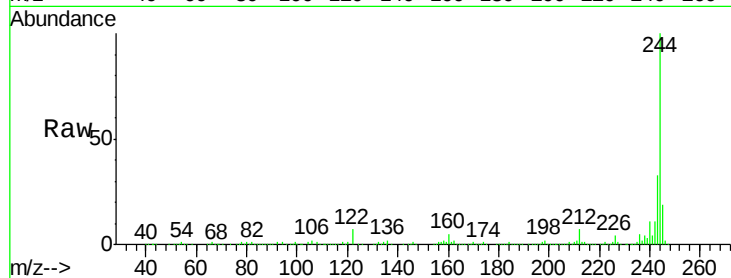




#78  
 Terphenyl-d14  
 Concen: 69.19 ng  
 RT: 12.97 min Scan# 952  
 Delta R.T. -0.00 min  
 Lab File: BF092988.D  
 Acq: 16 Feb 2017 18:36

Instrument :  
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 PB96981BL

Tgt Ion:244 Resp: 1461526  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 6.2 9.2  
 122 6.6 11.4 17.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.44 min Scan# 1168  
 Delta R.T. -0.01 min  
 Lab File: BF092988.D  
 Acq: 16 Feb 2017 18:36

Tgt Ion:264 Resp: 414965  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.2 28.8  
 265 21.5 17.4 26.0

