

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040417\  
 Data File : BF094181.D  
 Acq On : 4 Apr 2017 21:44  
 Operator : SJ/MA  
 Sample : I2516-10  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3

Quant Time: Apr 05 02:10:49 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 14:38:29 2017  
 Response via : Initial Calibration

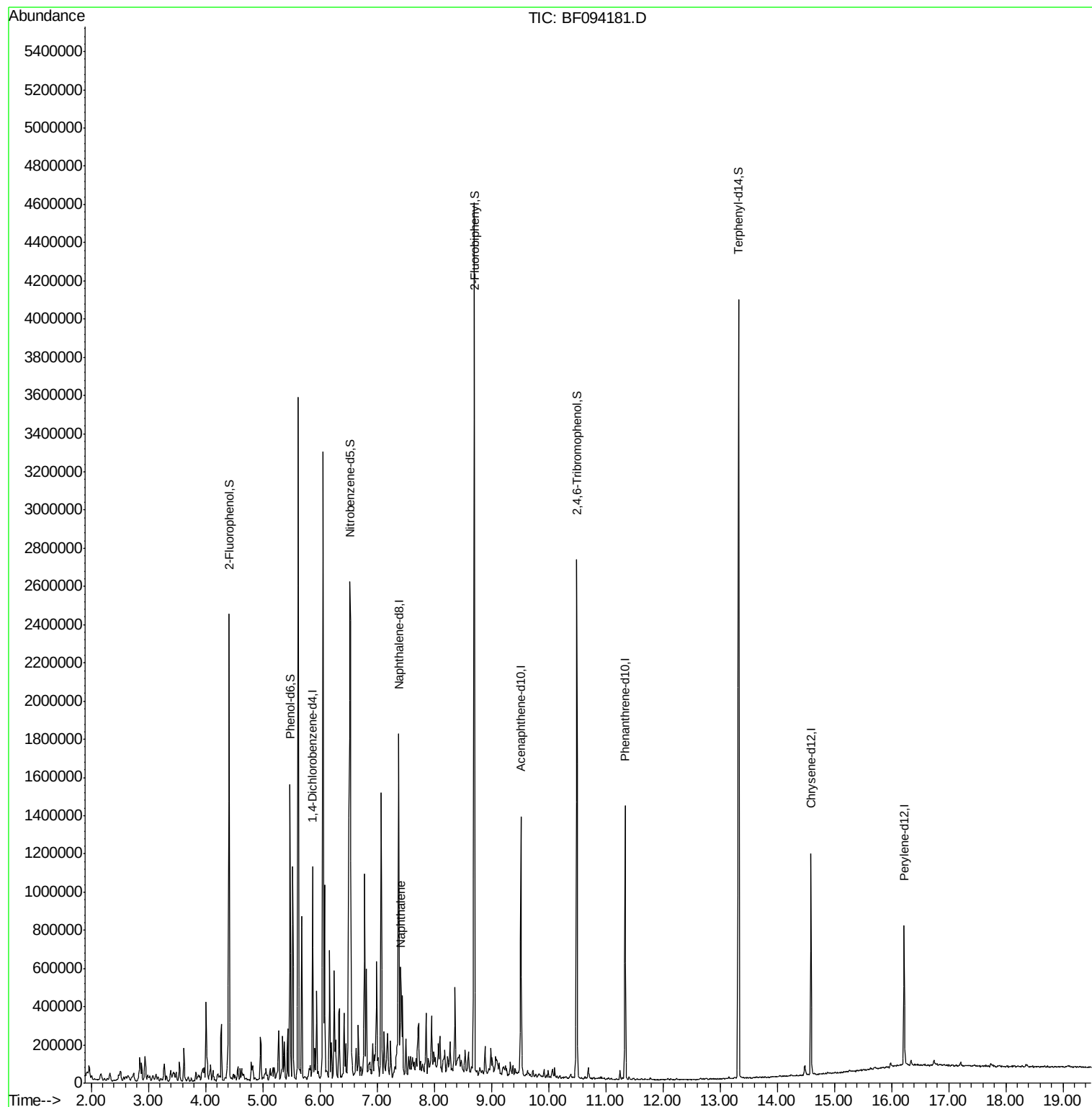
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.87  | 152  | 172573   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 7.38  | 136  | 686694   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.52  | 164  | 322864   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 11.34 | 188  | 582326   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 14.59 | 240  | 456189   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 16.22 | 264  | 297978   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.41  | 112  | 691411   | 67.67  | ng    | -0.02    |
| 7) Phenol-d6                | 5.48  | 99   | 554534   | 43.87  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 6.53  | 82   | 1079057  | 89.68  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.50 | 330  | 404193   | 158.43 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.70  | 172  | 1899755  | 89.75  | ng    | -0.03    |
| 78) Terphenyl-d14           | 13.33 | 244  | 1689439  | 83.01  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 7.40  | 128  | 81799m   | 2.48   | ng    | Qvalue   |

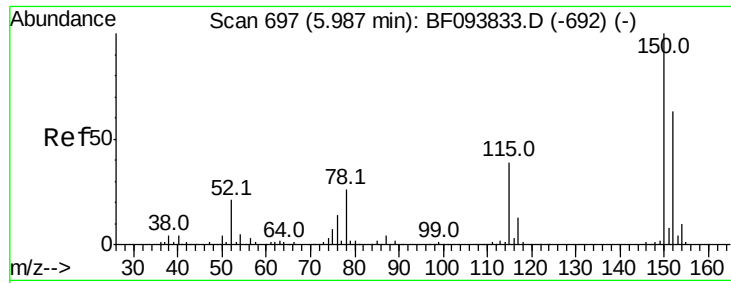
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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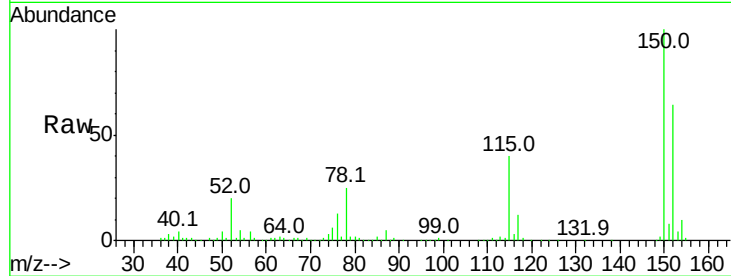


#1

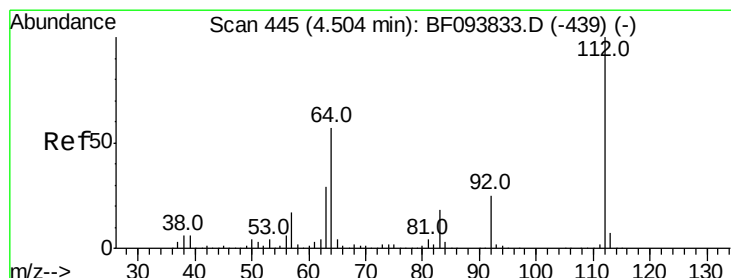
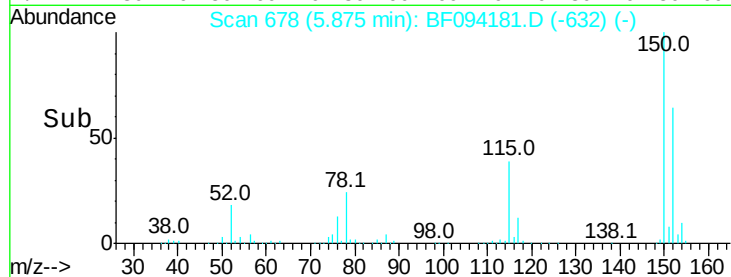
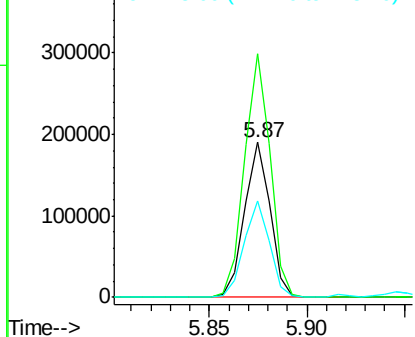
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.87 min Scan# 678  
Delta R.T. -0.03 min  
Lab File: BF094181.D  
Acq: 4 Apr 2017 21:44

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3

Tot Ion:152 Resp: 172573  
Ion Ratio Lower Upper  
152 100  
150 157.2 126.2 189.2  
115 62.1 52.2 78.2



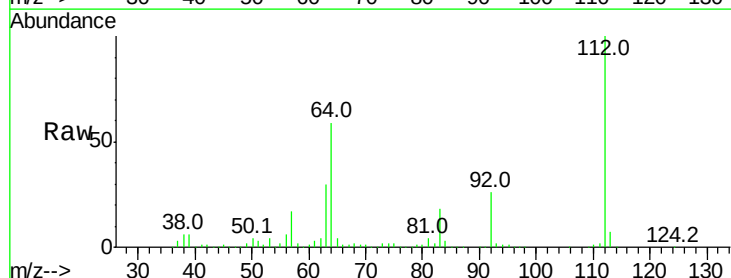
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



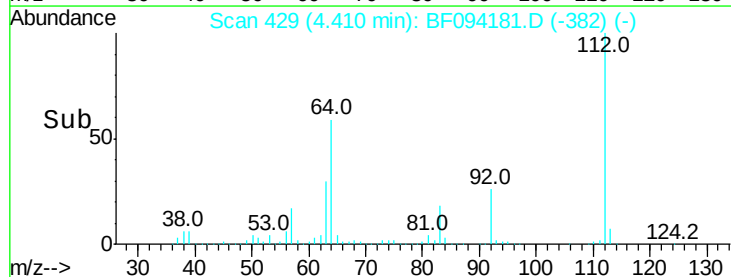
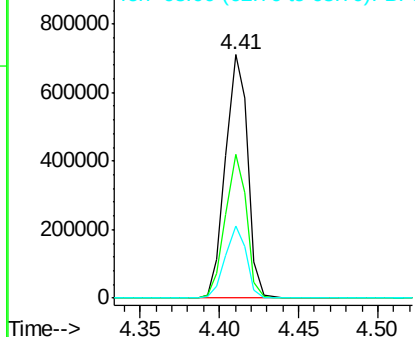
#5

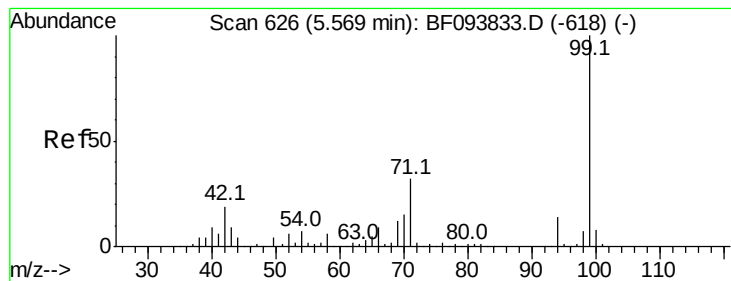
2-Fluorophenol  
Concen: 67.67 ng  
RT: 4.41 min Scan# 429  
Delta R.T. -0.02 min  
Lab File: BF094181.D  
Acq: 4 Apr 2017 21:44

Tgt Ion:112 Resp: 691411  
Ion Ratio Lower Upper  
112 100  
64 59.0 46.0 69.0  
63 29.6 23.4 35.0



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: 43.87 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.03 min

Lab File: BF094181.D

Acq: 4 Apr 2017 21:44

Instrument :

BNA\_F

ClientSampleId :

MW-3

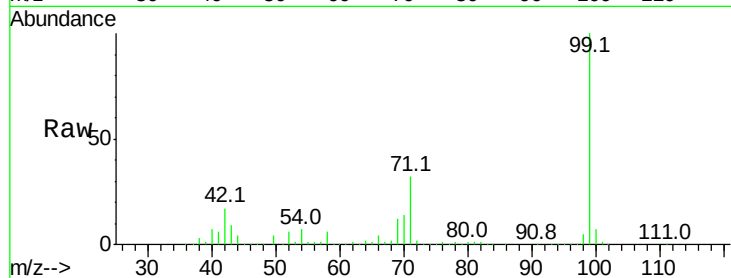
Tot Ion: 99 Resp: 554534

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

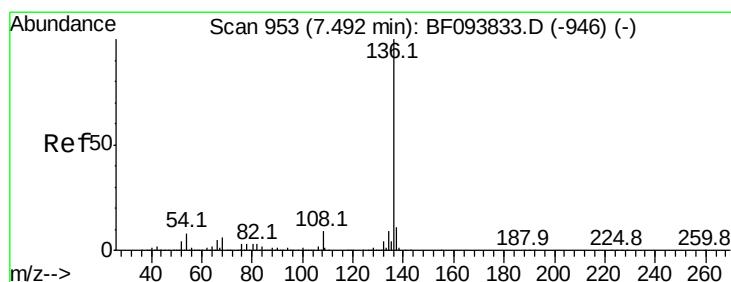
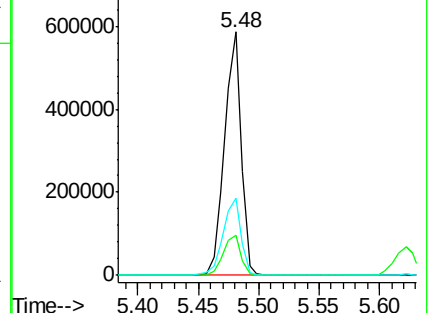
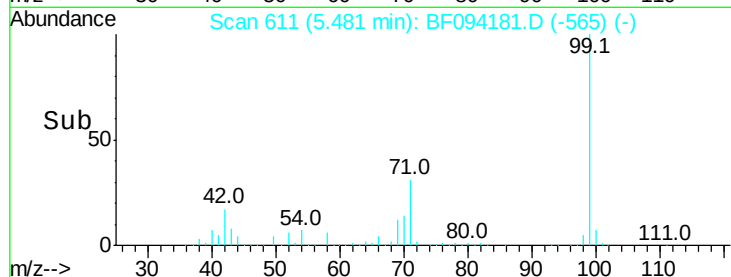
71 31.6 24.5 36.7



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: 7.38 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF094181.D

Acq: 4 Apr 2017 21:44

Tgt Ion: 136 Resp: 686694

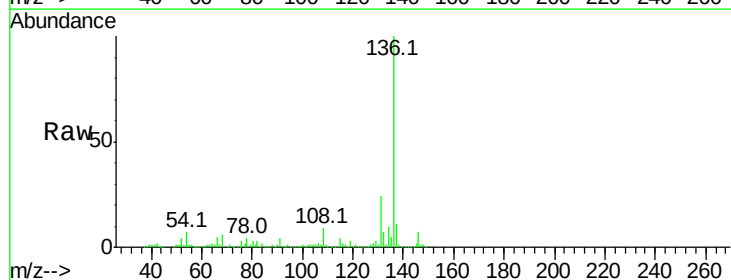
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.3 4.9 7.3#

68 5.7 4.1 6.1

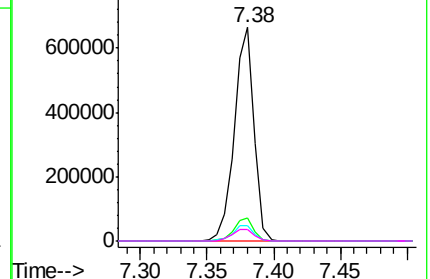
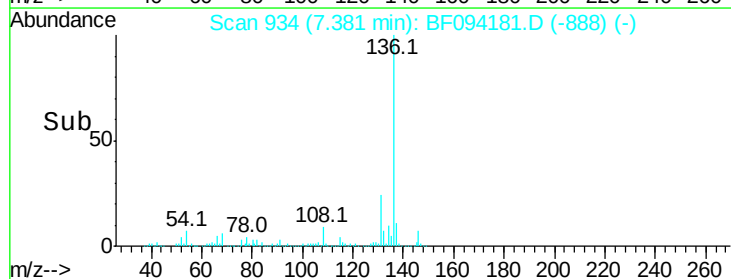


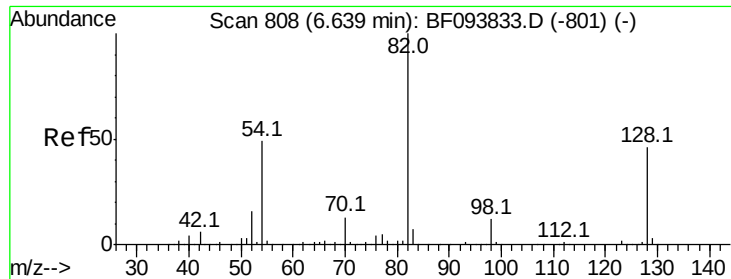
Abundance Ion 136.00 (135.70 to 136.70): E

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

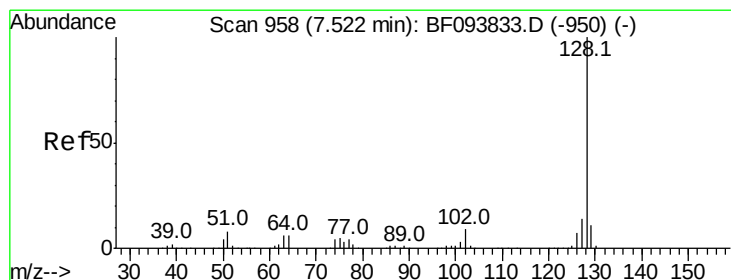
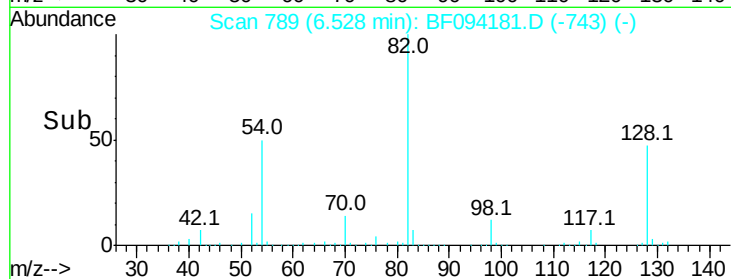
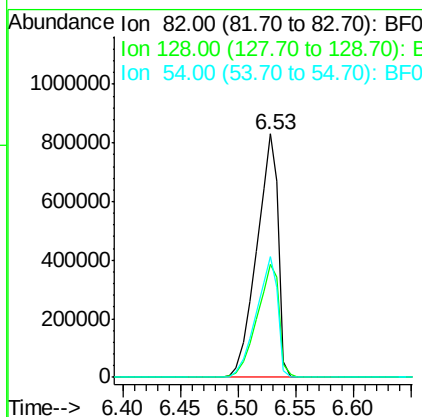
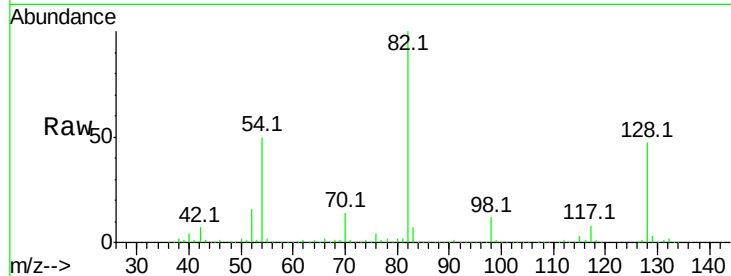




#23  
 Nitrobenzene-d5  
 Concen: 89.68 ng  
 RT: 6.53 min Scan# 789  
 Delta R.T. -0.03 min  
 Lab File: BF094181.D  
 Acq: 4 Apr 2017 21:44

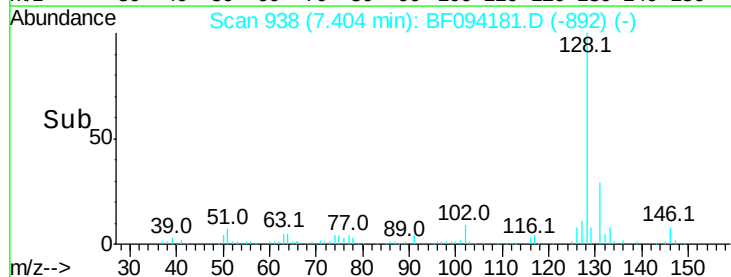
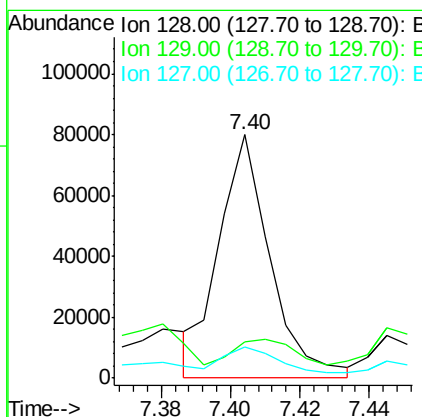
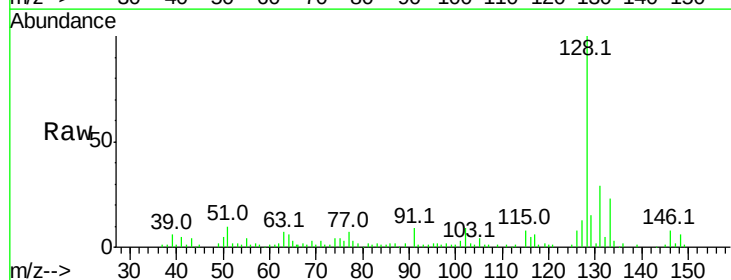
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3

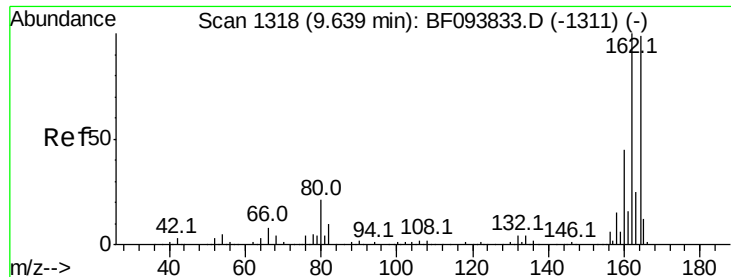
Tot Ion: 82 Resp: 1079057  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 34.0 51.0  
 54 49.8 42.2 63.2



#31  
 Naphthalene  
 Concen: 2.48 ng m  
 RT: 7.40 min Scan# 938  
 Delta R.T. -0.03 min  
 Lab File: BF094181.D  
 Acq: 4 Apr 2017 21:44

Tgt Ion:128 Resp: 81799  
 Ion Ratio Lower Upper  
 128 100  
 129 14.9 9.0 13.6#  
 127 13.0 10.8 16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.04 min

Lab File: BF094181.D

Acq: 4 Apr 2017 21:44

Instrument :

BNA\_F

ClientSampleId :

MW-3

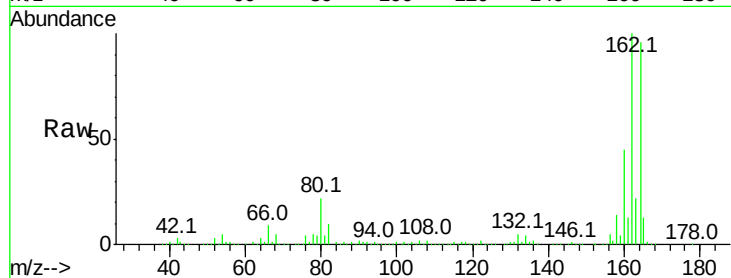
Tot Ion:164 Resp: 322864

Ion Ratio Lower Upper

164 100

162 104.6 82.6 123.8

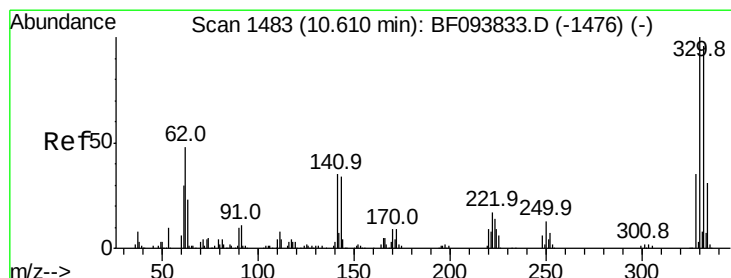
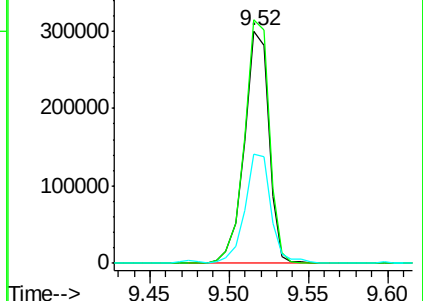
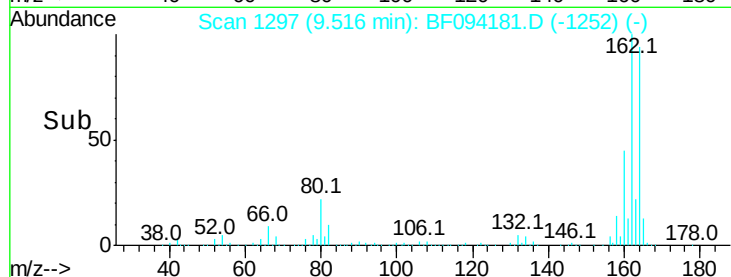
160 47.0 36.2 54.2



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: 158.43 ng

RT: 10.50 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF094181.D

Acq: 4 Apr 2017 21:44

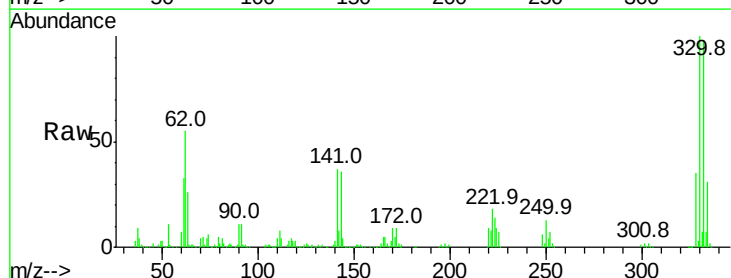
Tgt Ion:330 Resp: 404193

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

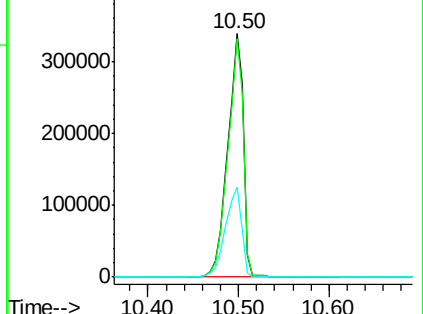
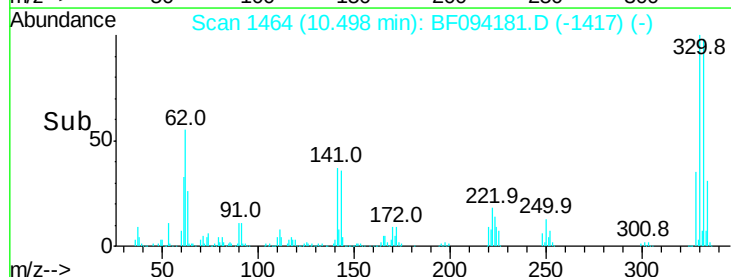
141 38.4 31.4 47.2

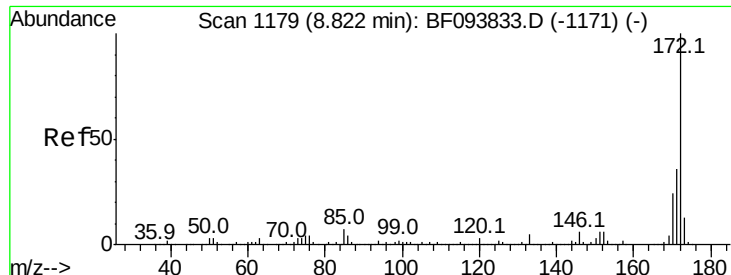


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

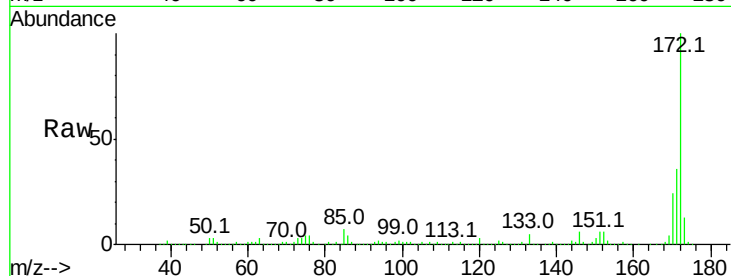




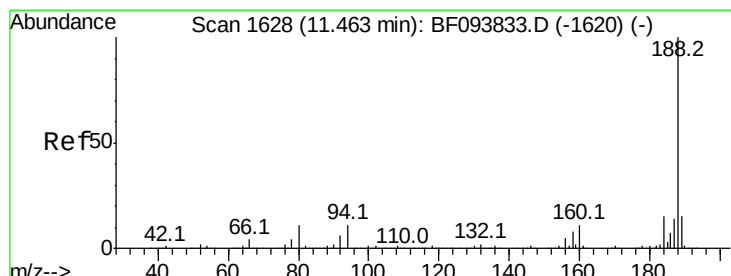
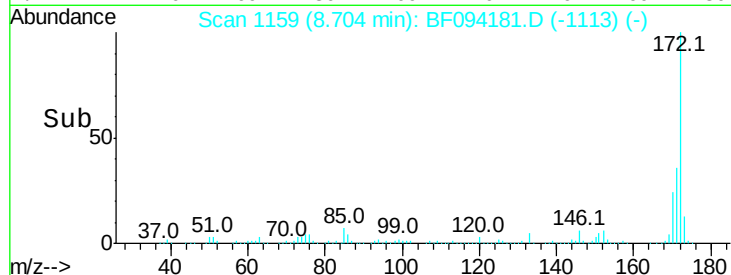
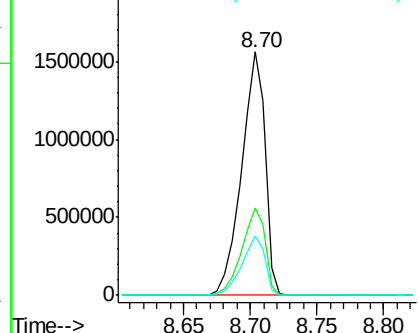
#44  
 2-Fluorobiphenyl  
 Concen: 89.75 ng  
 RT: 8.70 min Scan# 1159  
 Delta R.T. -0.03 min  
 Lab File: BF094181.D  
 Acq: 4 Apr 2017 21:44

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 MW-3

Tot Ion:172 Resp: 1899755  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.6 44.4  
 170 24.2 19.8 29.8

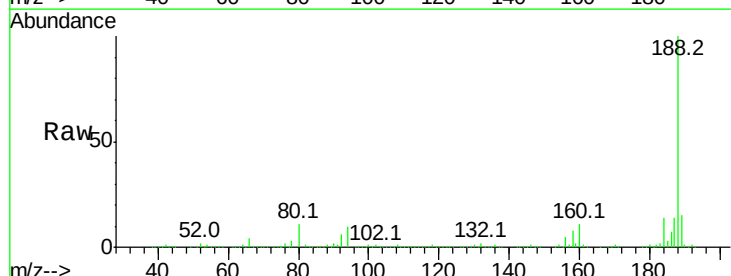


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

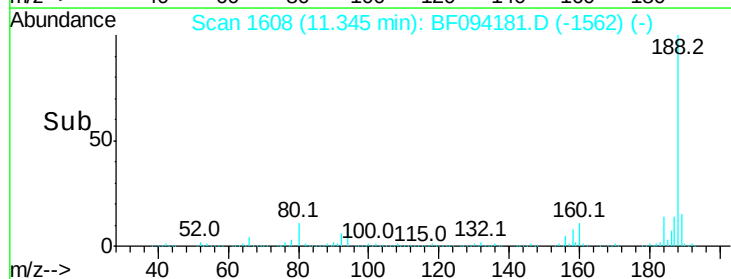
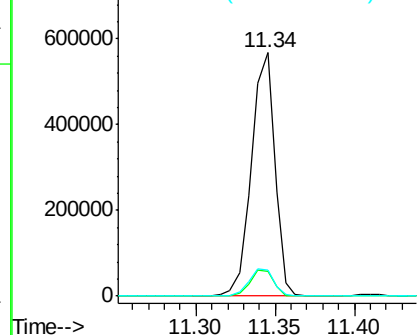


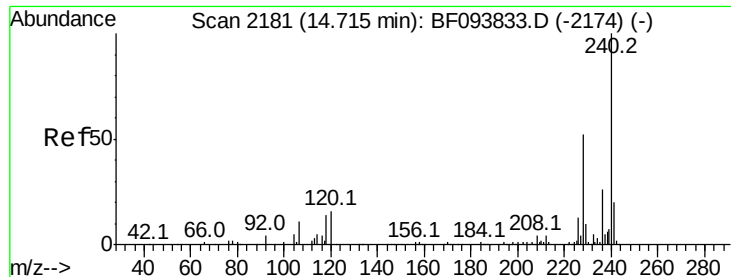
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.34 min Scan# 1608  
 Delta R.T. -0.03 min  
 Lab File: BF094181.D  
 Acq: 4 Apr 2017 21:44

Tgt Ion:188 Resp: 582326  
 Ion Ratio Lower Upper  
 188 100  
 94 10.1 9.4 14.2  
 80 10.7 10.2 15.2



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: 14.59 min Scan# 2160

Delta R.T. -0.04 min

Lab File: BF094181.D

Acq: 4 Apr 2017 21:44

Instrument :

BNA\_F

ClientSampled :

MW-3

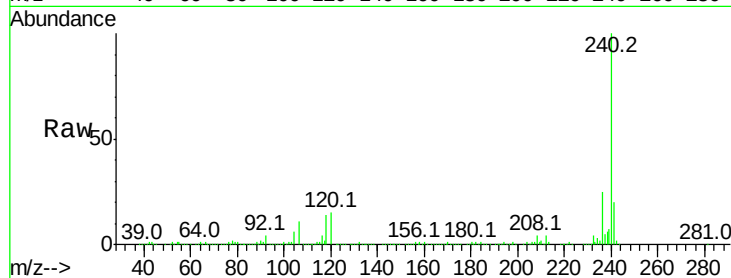
Tot Ion:240 Resp: 456189

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

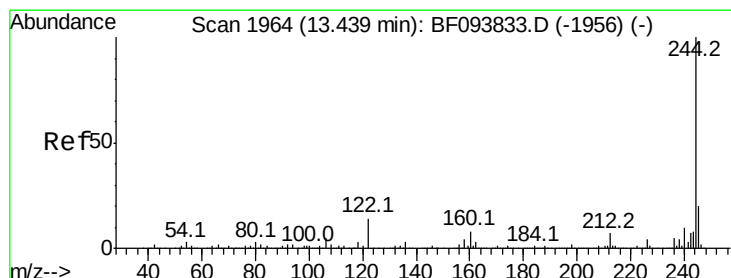
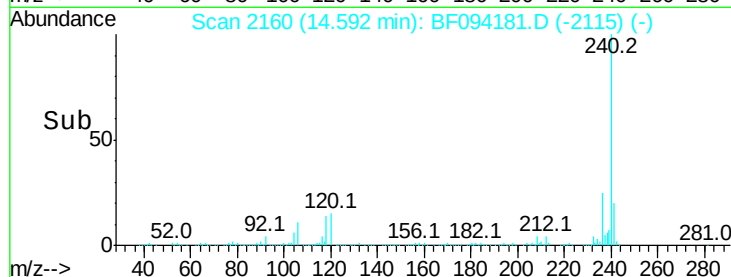
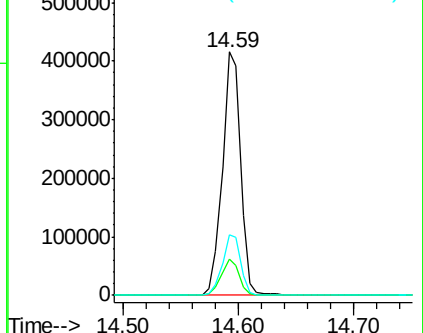
236 24.7 20.5 30.7



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: 83.01 ng

RT: 13.33 min Scan# 1945

Delta R.T. -0.02 min

Lab File: BF094181.D

Acq: 4 Apr 2017 21:44

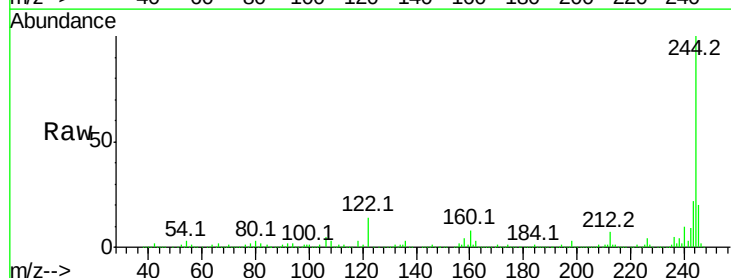
Tgt Ion:244 Resp: 1689439

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

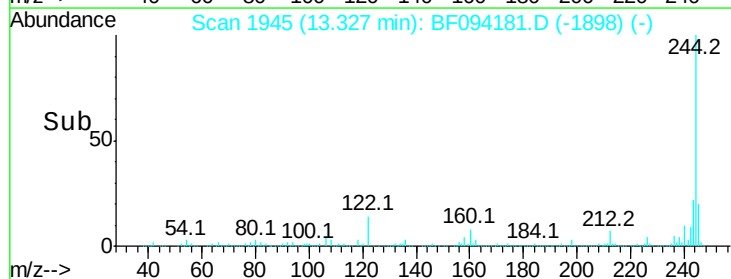
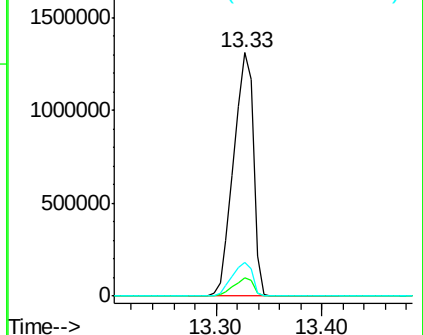
122 14.0 10.3 15.5



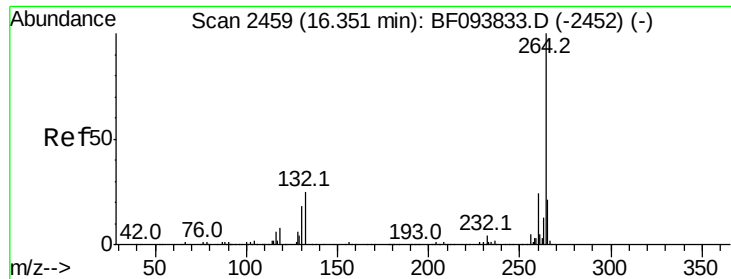
Abundance Ion 244.00 (243.70 to 244.70): E

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: 16.22 min Scan# 2437  
Delta R.T. -0.03 min  
Lab File: BF094181.D  
Acq: 4 Apr 2017 21:44

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BNA\_F  
ClientSampleId :  
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Tot Ion:264 Resp: 297978  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.5 29.3  
265 22.2 17.2 25.8

