

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040417\  
 Data File : BF094183.D  
 Acq On : 4 Apr 2017 22:40  
 Operator : SJ/MA  
 Sample : I2516-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-10

Quant Time: Apr 05 02:16:13 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  | 162224   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 7.38  | 136  | 643809   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.52  | 164  | 303149   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 11.34 | 188  | 539308   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 14.59 | 240  | 435206   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 16.22 | 264  | 282974   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.41  | 112  | 627018   | 65.28  | ng    | -0.02    |
| 7) Phenol-d6                | 5.47  | 99   | 488226   | 41.09  | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 6.53  | 82   | 1040757  | 92.26  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.50 | 330  | 369544   | 154.26 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.70  | 172  | 1838109  | 92.48  | ng    | -0.03    |
| 78) Terphenyl-d14           | 13.33 | 244  | 1663086  | 85.66  | ng    | -0.02    |

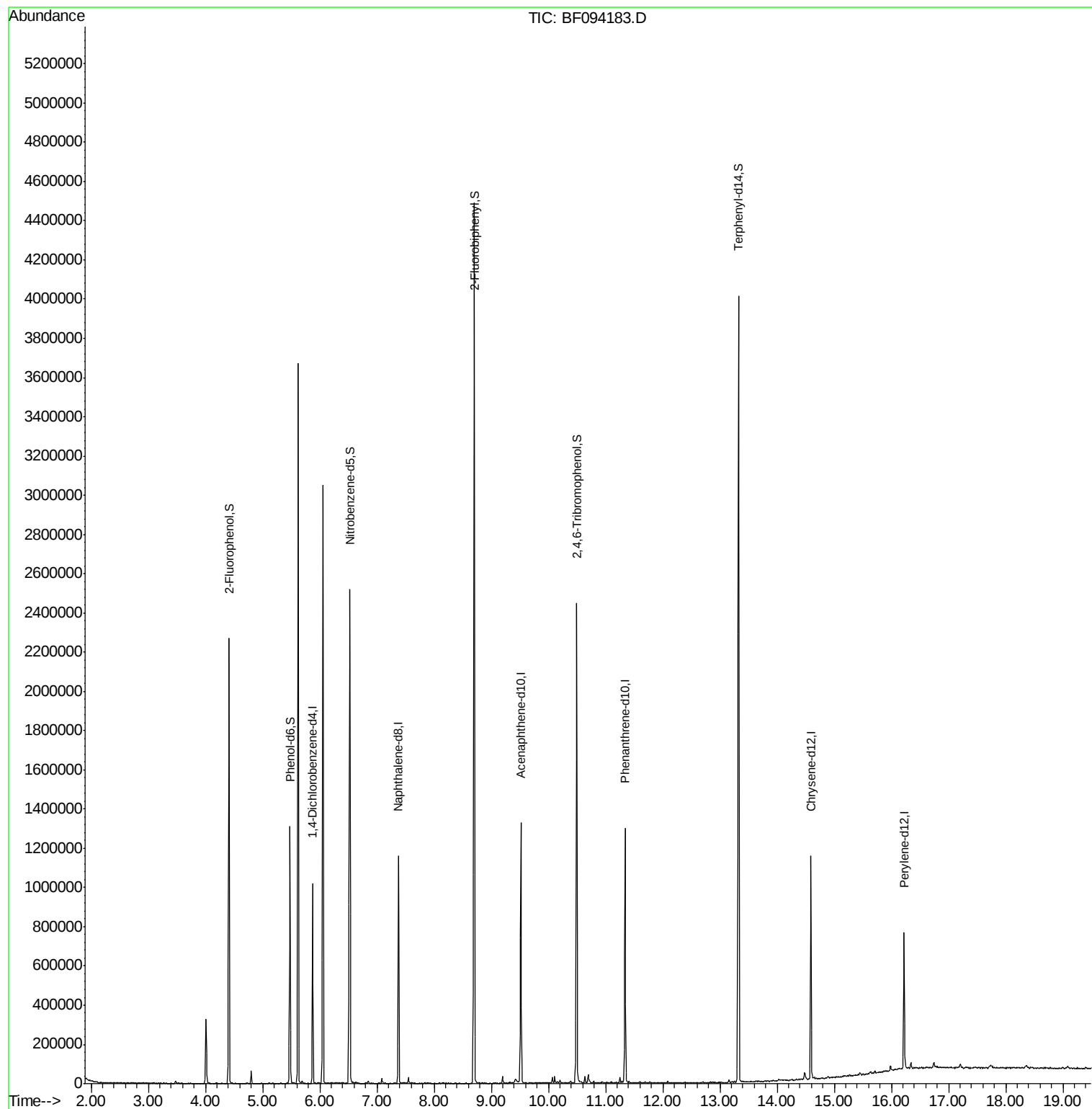
Target Compounds Qvalue

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

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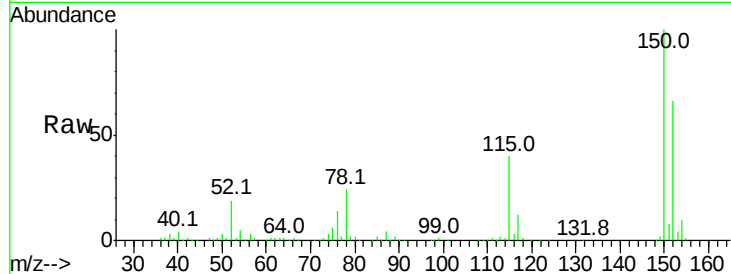


#1

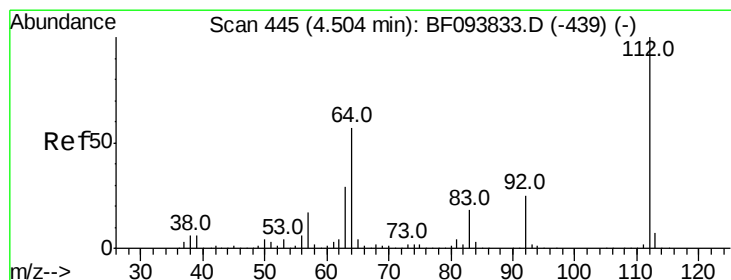
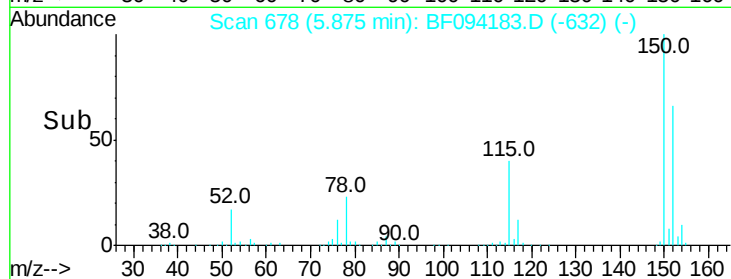
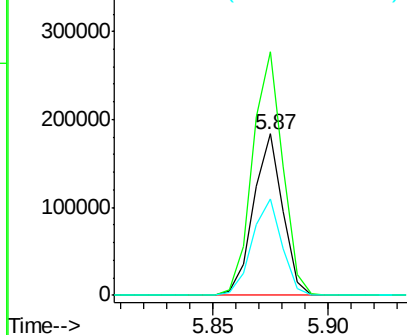
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.87 min Scan# 678  
Delta R.T. -0.03 min  
Lab File: BF094183.D  
Acq: 4 Apr 2017 22:40

Instrument :  
BNA\_F  
ClientSampleId :  
MW-10

Tot Ion:152 Resp: 162224  
Ion Ratio Lower Upper  
152 100  
150 151.1 126.2 189.2  
115 60.1 52.2 78.2



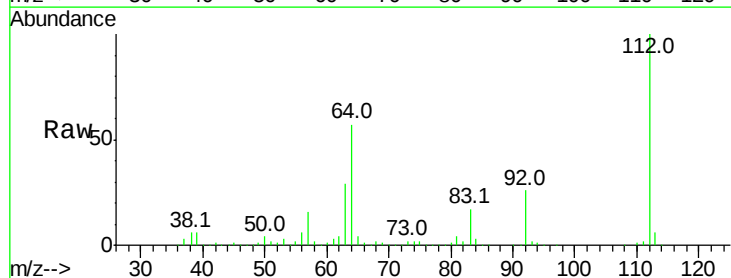
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



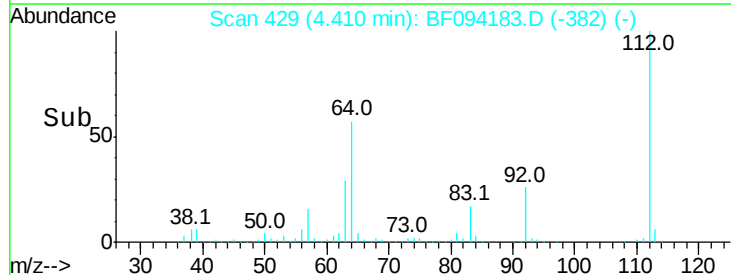
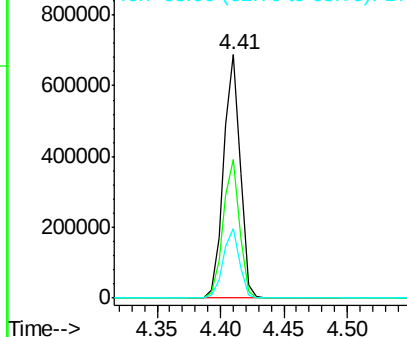
#5

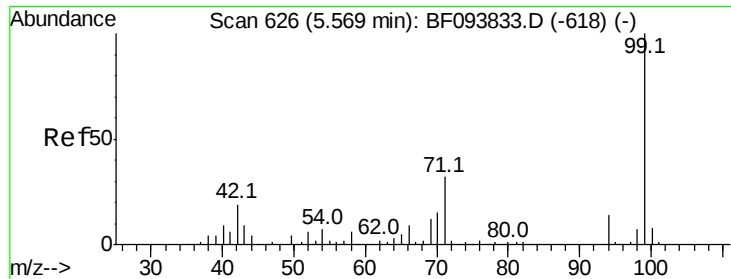
2-Fluorophenol  
Concen: 65.28 ng  
RT: 4.41 min Scan# 429  
Delta R.T. -0.02 min  
Lab File: BF094183.D  
Acq: 4 Apr 2017 22:40

Tgt Ion:112 Resp: 627018  
Ion Ratio Lower Upper  
112 100  
64 56.8 46.0 69.0  
63 28.7 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: 41.09 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.04 min

Lab File: BF094183.D

Acq: 4 Apr 2017 22:40

Instrument :

BNA\_F

ClientSampleId :

MW-10

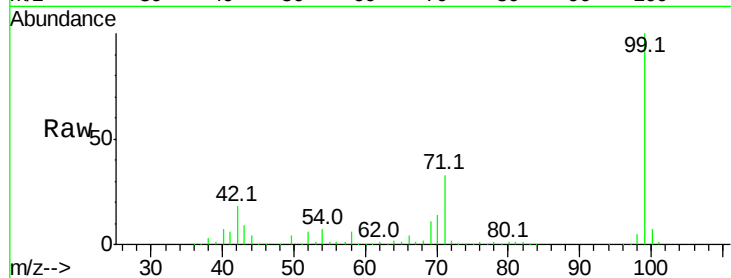
Tot Ion: 99 Resp: 488226

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

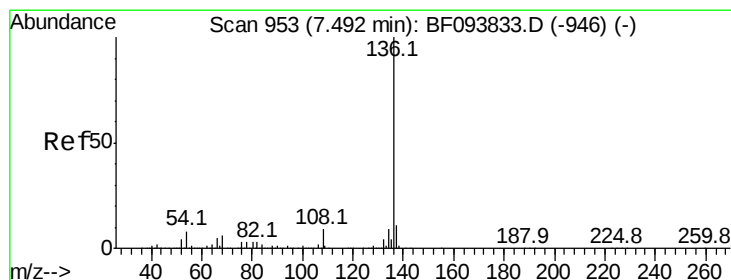
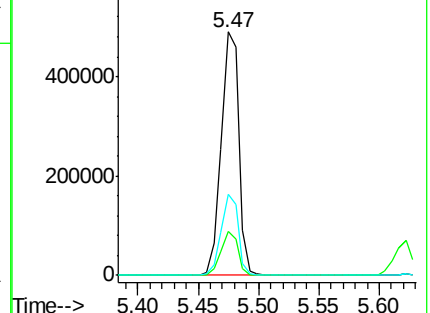
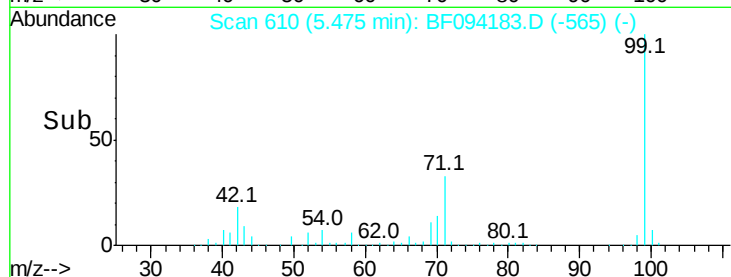
71 33.3 24.5 36.7



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: BF094183.D

Acq: 4 Apr 2017 22:40

Tgt Ion: 136 Resp: 643809

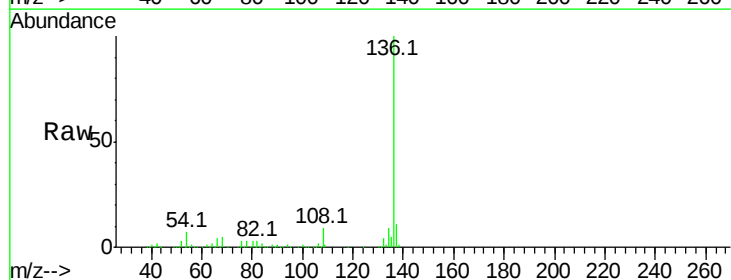
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.7 4.9 7.3

68 5.4 4.1 6.1

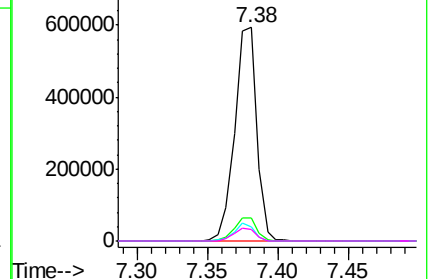
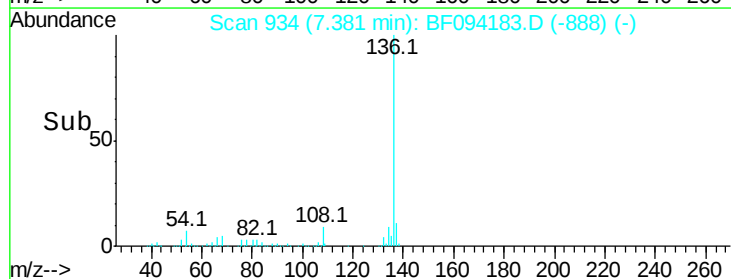


Abundance Ion 136.00 (135.70 to 136.70): E

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

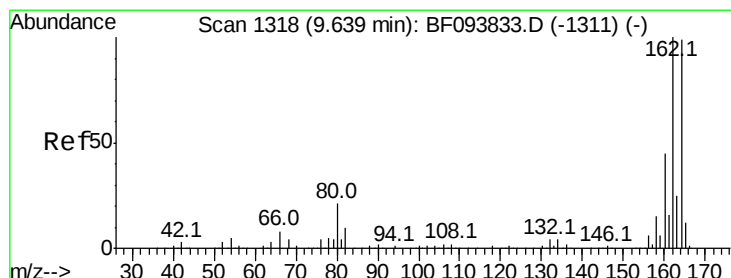
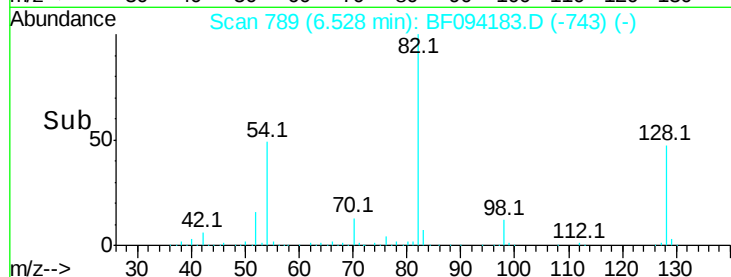
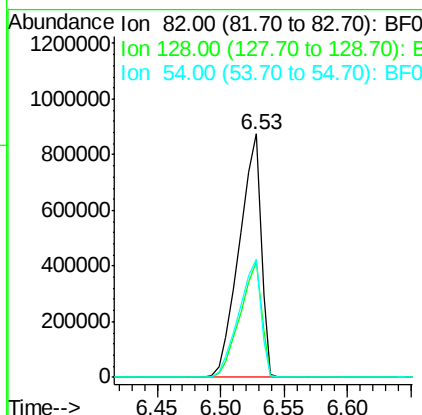
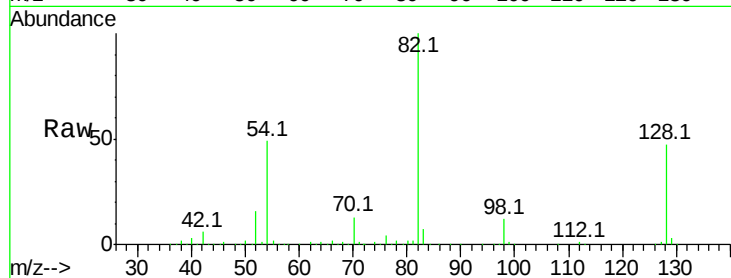




#23  
 Nitrobenzene-d5  
 Concen: 92.26 ng  
 RT: 6.53 min Scan# 789  
 Delta R.T. -0.03 min  
 Lab File: BF094183.D  
 Acq: 4 Apr 2017 22:40

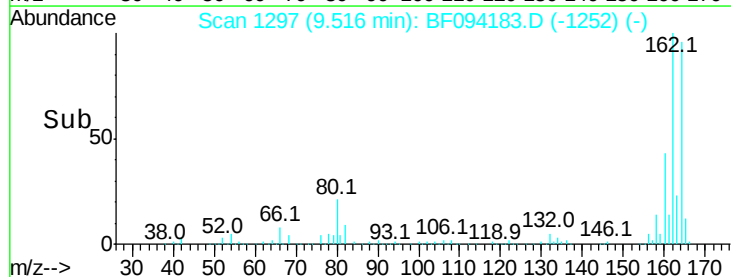
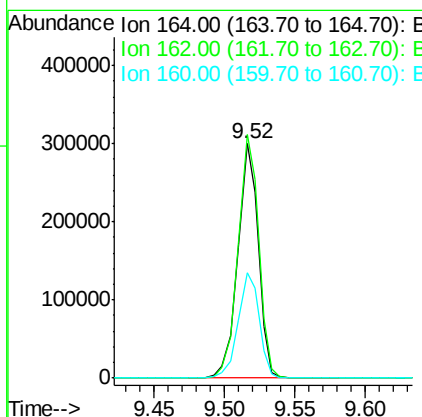
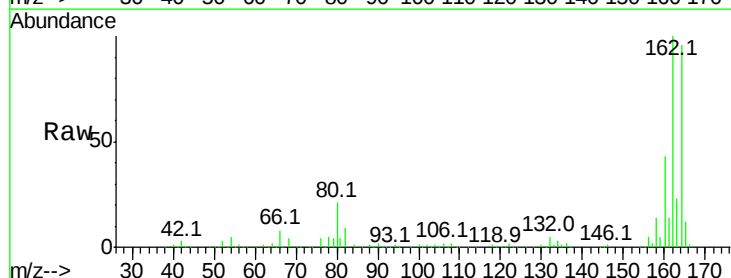
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-10

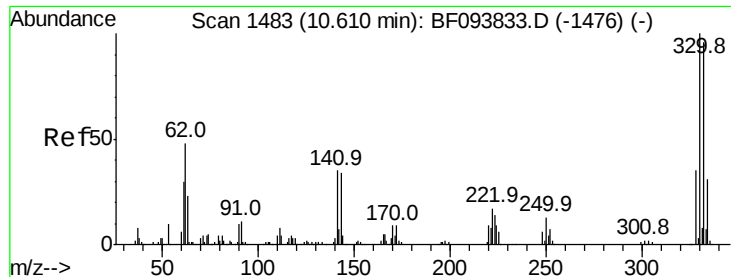
Tot Ion: 82 Resp: 1040757  
 Ion Ratio Lower Upper  
 82 100  
 128 47.4 34.0 51.0  
 54 48.6 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.52 min Scan# 1297  
 Delta R.T. -0.04 min  
 Lab File: BF094183.D  
 Acq: 4 Apr 2017 22:40

Tgt Ion:164 Resp: 303149  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 82.6 123.8  
 160 44.8 36.2 54.2

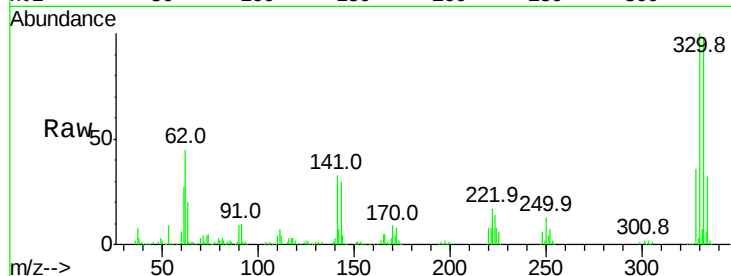




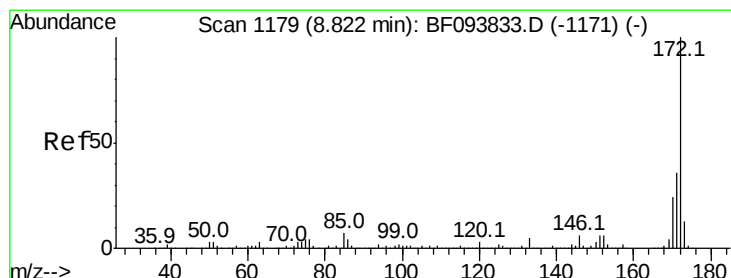
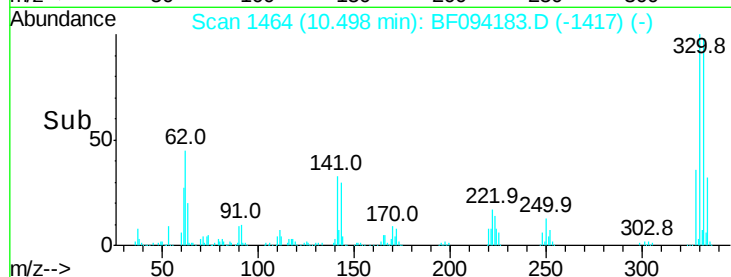
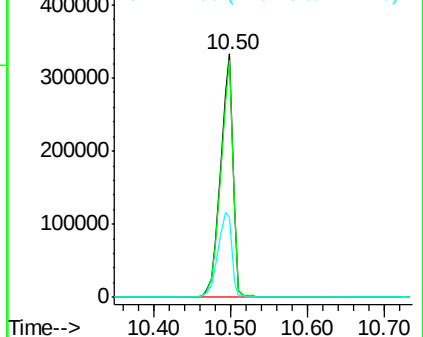
#41  
 2,4,6-Tribromophenol  
 Concen: 154.26 ng  
 RT: 10.50 min Scan# 1464  
 Delta R.T. -0.02 min  
 Lab File: BF094183.D  
 Acq: 4 Apr 2017 22:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-10

Tot Ion:330 Resp: 369544  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 76.6 115.0  
 141 38.7 31.4 47.2

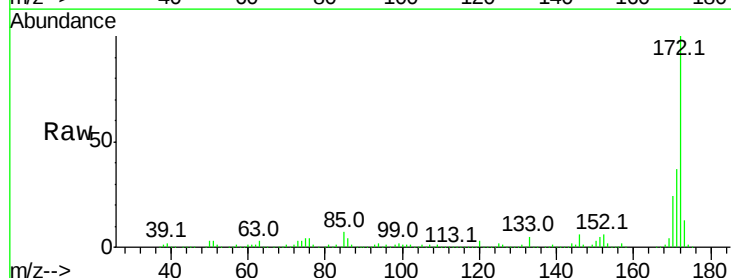


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

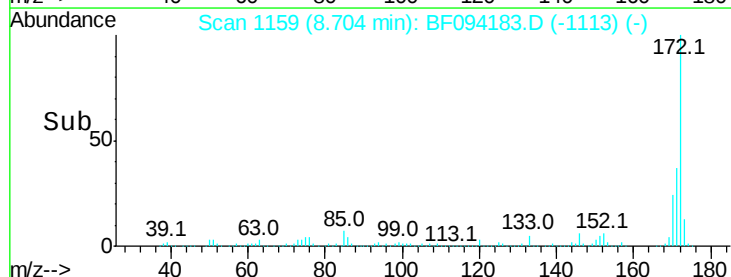
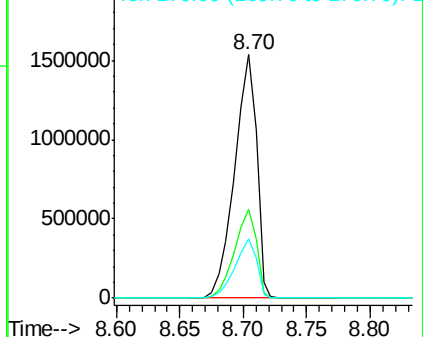


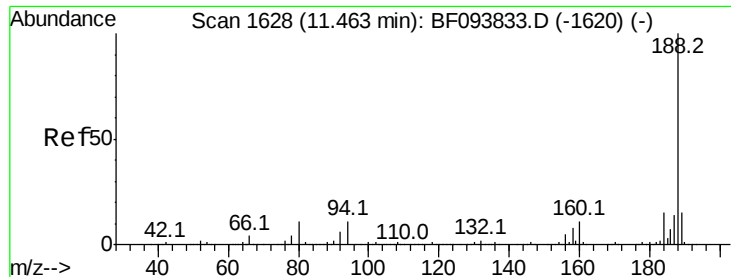
#44  
 2-Fluorobiphenyl  
 Concen: 92.48 ng  
 RT: 8.70 min Scan# 1159  
 Delta R.T. -0.03 min  
 Lab File: BF094183.D  
 Acq: 4 Apr 2017 22:40

Tgt Ion:172 Resp: 1838109  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.6 44.4  
 170 24.1 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# 1607

Delta R.T. -0.04 min

Lab File: BF094183.D

Acq: 4 Apr 2017 22:40

Instrument :

BNA\_F

ClientSampleId :

MW-10

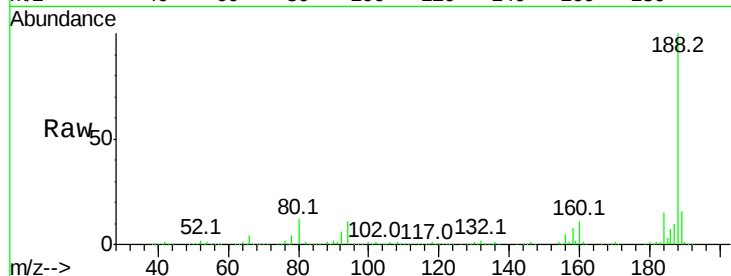
Tot Ion:188 Resp: 539308

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

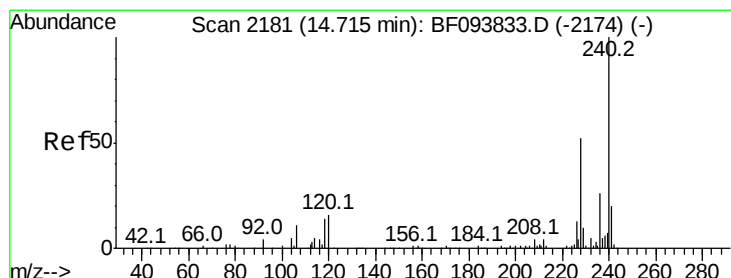
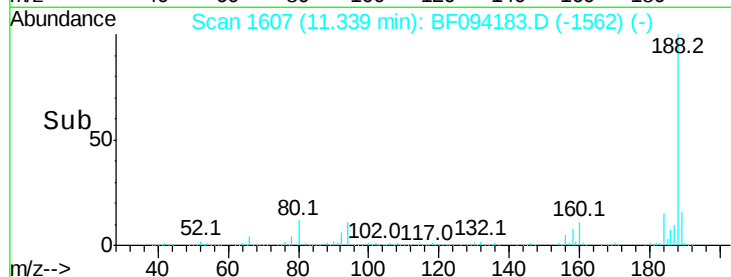
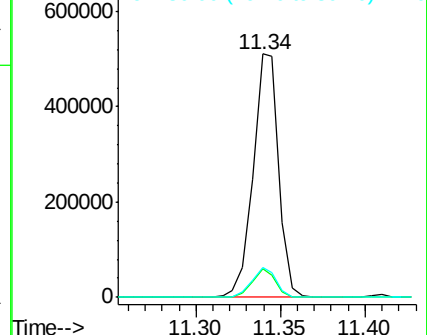
80 12.1 10.2 15.2



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: BF094183.D

Acq: 4 Apr 2017 22:40

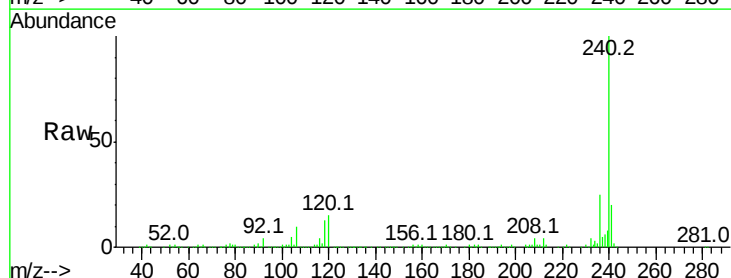
Tgt Ion:240 Resp: 435206

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

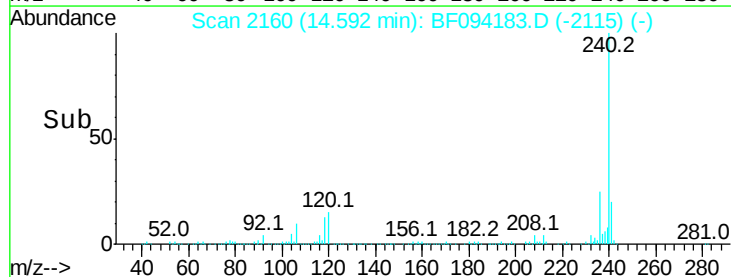
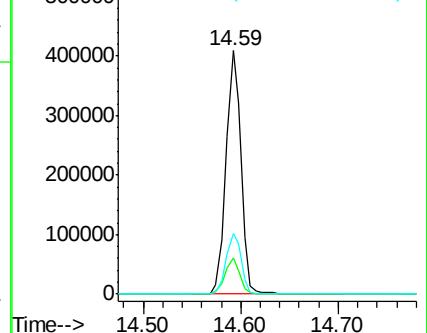
236 24.9 20.5 30.7

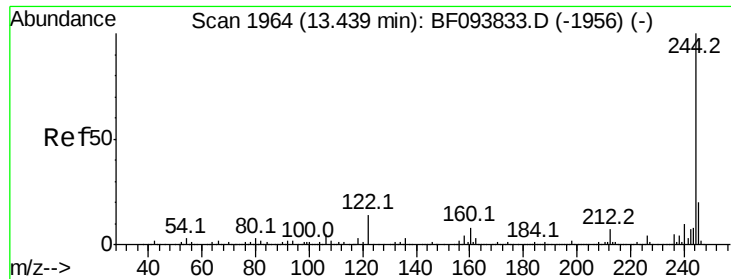


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

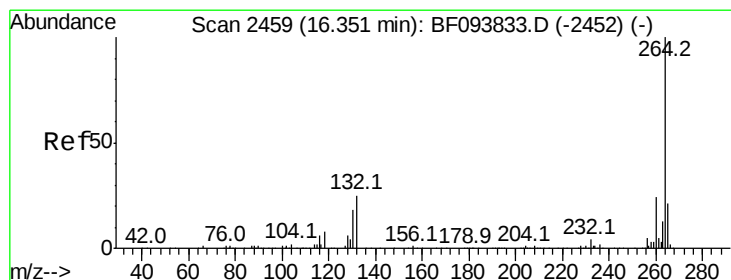
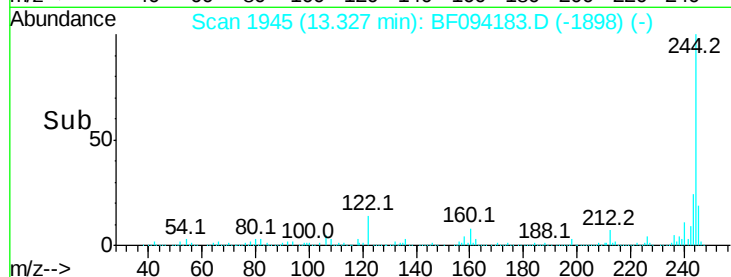
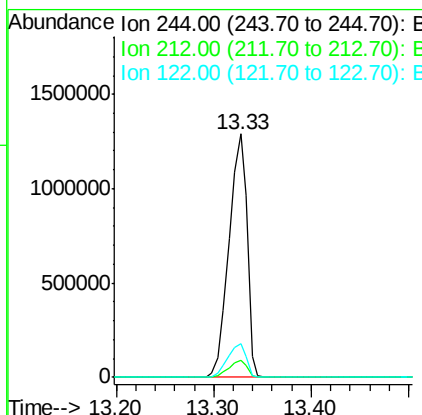
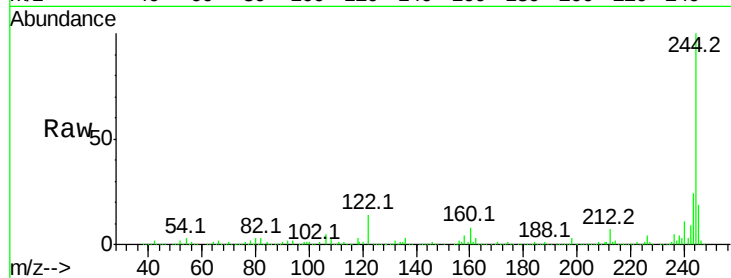




#78  
 Terphenyl-d14  
 Concen: 85.66 ng  
 RT: 13.33 min Scan# 1945  
 Delta R.T. -0.02 min  
 Lab File: BF094183.D  
 Acq: 4 Apr 2017 22:40

Instrument :  
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 MW-10

Tot Ion:244 Resp: 1663086  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 13.8 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.22 min Scan# 2437  
 Delta R.T. -0.03 min  
 Lab File: BF094183.D  
 Acq: 4 Apr 2017 22:40

Tgt Ion:264 Resp: 282974  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.5 29.3  
 265 23.6 17.2 25.8

