

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF033017\  
 Data File : BF094063.D  
 Acq On : 30 Mar 2017 17:41  
 Operator : SJ/MA  
 Sample : PB97830BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97830BL

Quant Time: Mar 31 03:30:35 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 27 16:10:49 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.91  | 152  | 197302   | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 7.42  | 136  | 799244   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 9.56  | 164  | 381615   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 11.38 | 188  | 692690   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 14.63 | 240  | 558814   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 16.27 | 264  | 443289   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.46  | 112  | 1494972  | 127.98 | ng    | -0.01    |
| 7) Phenol-d6                | 5.53  | 99   | 1881242  | 130.18 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 6.56  | 82   | 1184789  | 84.60  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 458427   | 152.02 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 8.74  | 172  | 2227502  | 89.03  | ng    | -0.04    |
| 78) Terphenyl-d14           | 13.37 | 244  | 1926350  | 77.27  | ng    | -0.04    |

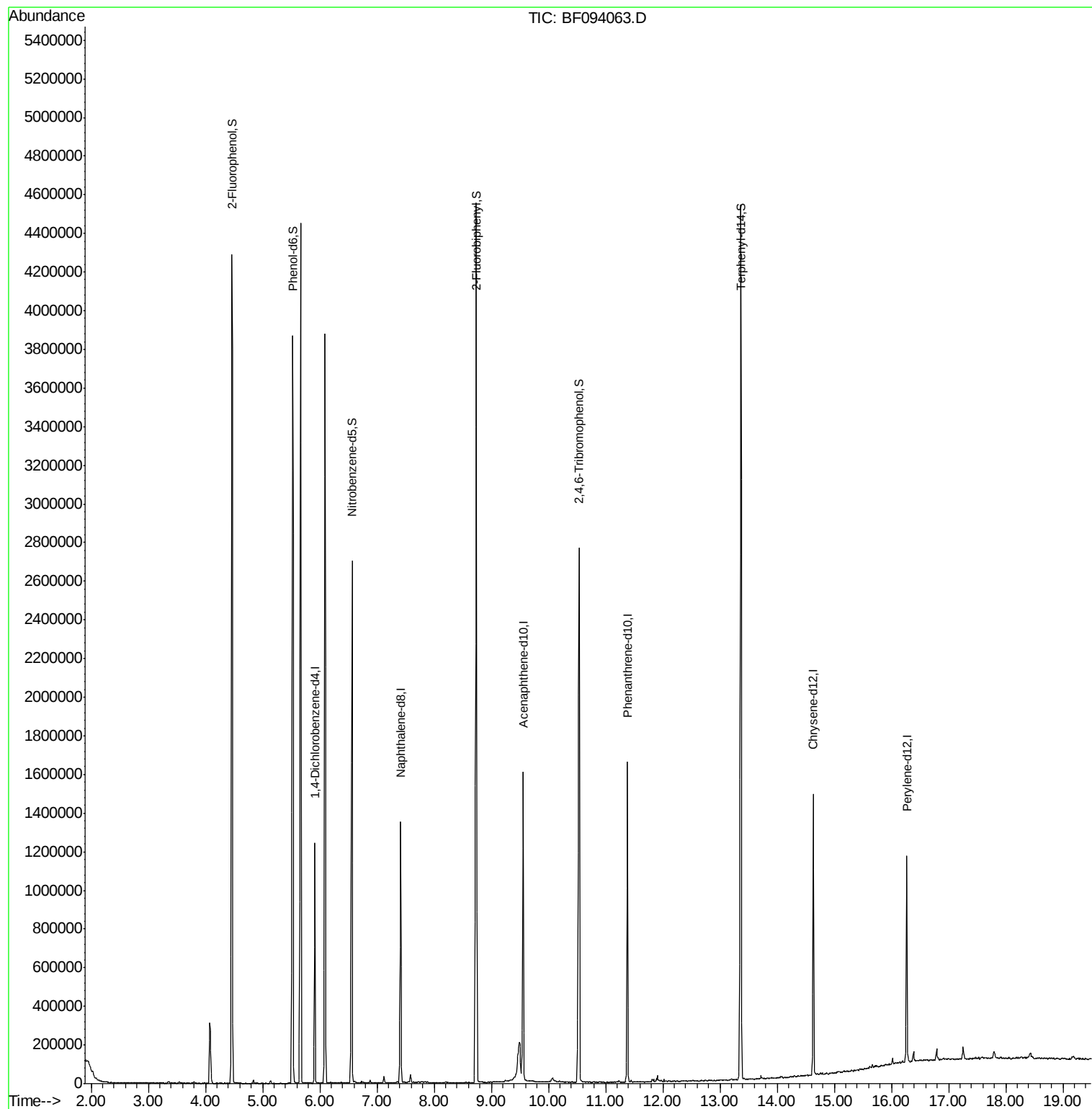
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

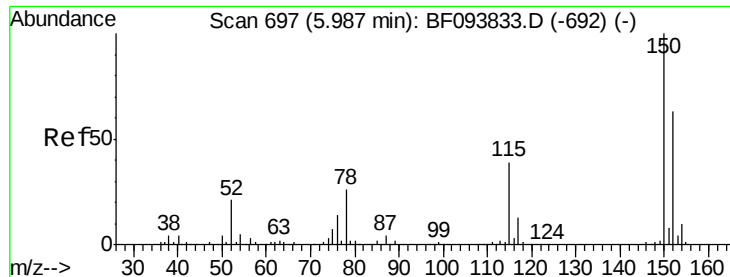
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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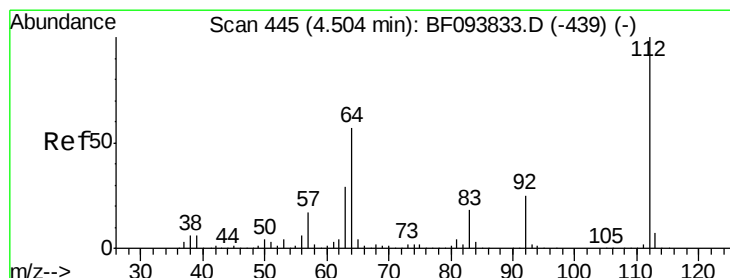
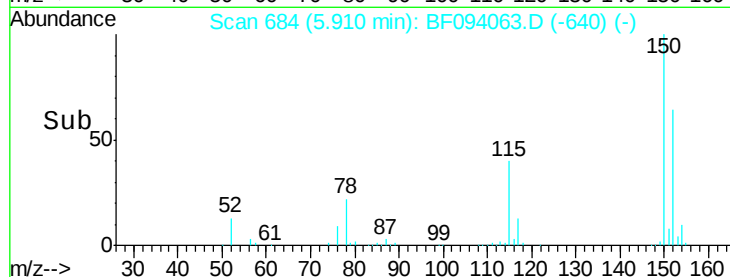
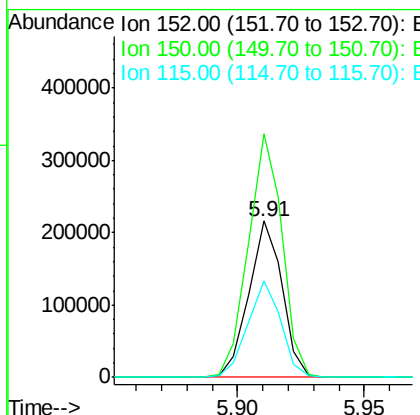
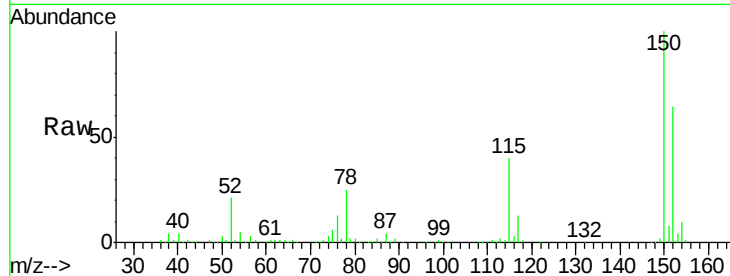




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 5.91 min Scan# 684  
 Delta R.T. -0.04 min  
 Lab File: BF094063.D  
 Acq: 30 Mar 2017 17:41

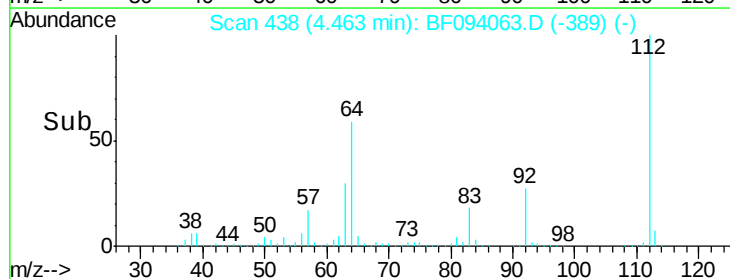
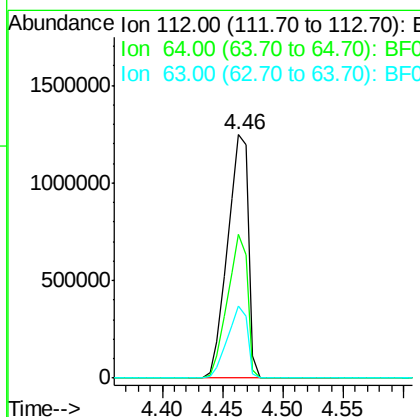
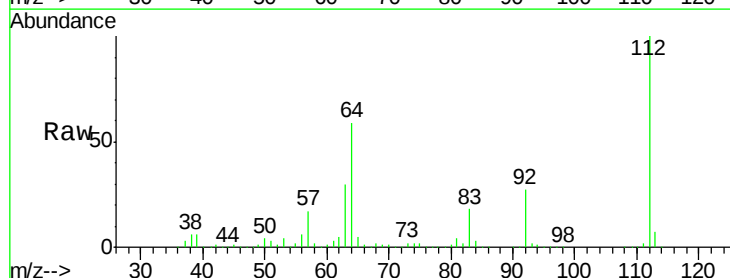
Instrument :  
 BNA\_F  
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 PB97830BL

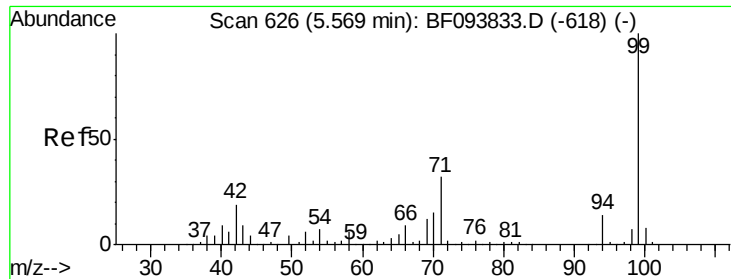
Tgt Ion:152 Resp: 197302  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 126.2 189.2  
 115 61.9 52.2 78.2



#5  
 2-Fluorophenol  
 Concen: 127.98 ng  
 RT: 4.46 min Scan# 438  
 Delta R.T. -0.01 min  
 Lab File: BF094063.D  
 Acq: 30 Mar 2017 17:41

Tgt Ion:112 Resp: 1494972  
 Ion Ratio Lower Upper  
 112 100  
 64 59.1 46.0 69.0  
 63 29.6 23.4 35.0





#7

Phenol-d6

Concen: 130.18 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094063.D

Acq: 30 Mar 2017 17:41

Instrument :

BNA\_F

ClientSampleId :

PB97830BL

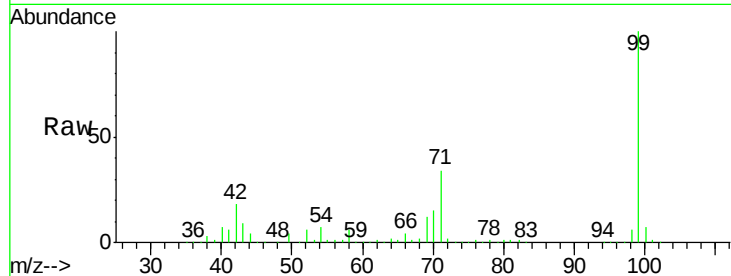
Tgt Ion: 99 Resp: 1881242

Ion Ratio Lower Upper

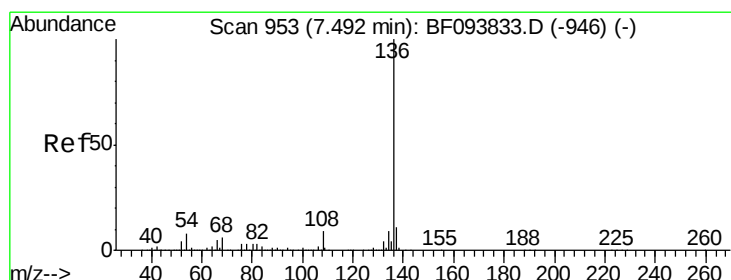
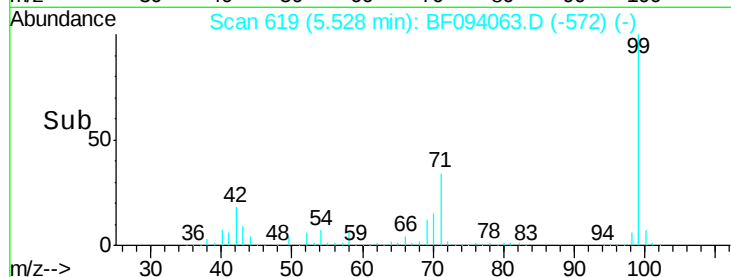
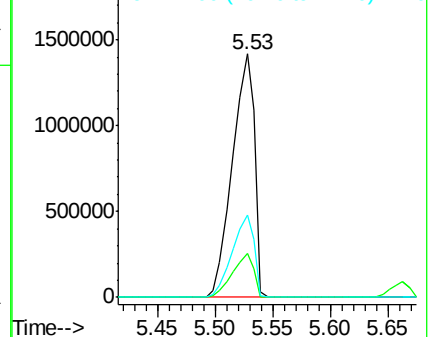
99 100

42 18.1 13.5 20.3

71 34.1 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: 7.42 min Scan# 940

Delta R.T. -0.04 min

Lab File: BF094063.D

Acq: 30 Mar 2017 17:41

Tgt Ion: 136 Resp: 799244

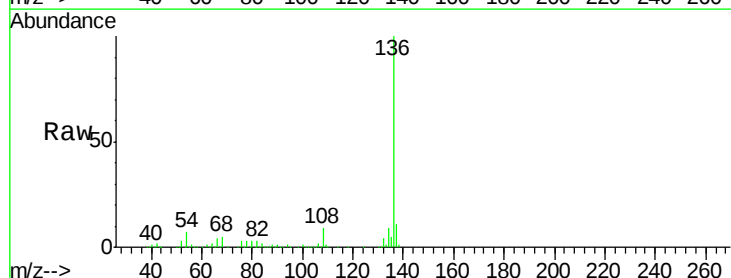
Ion Ratio Lower Upper

136 100

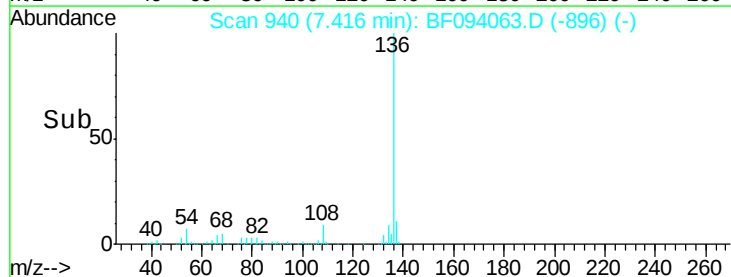
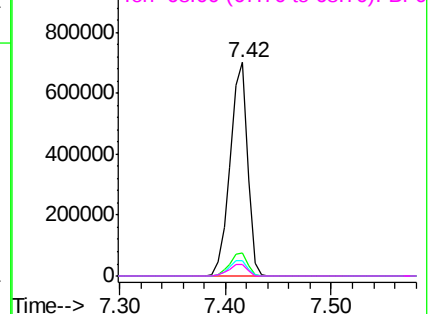
137 11.0 8.5 12.7

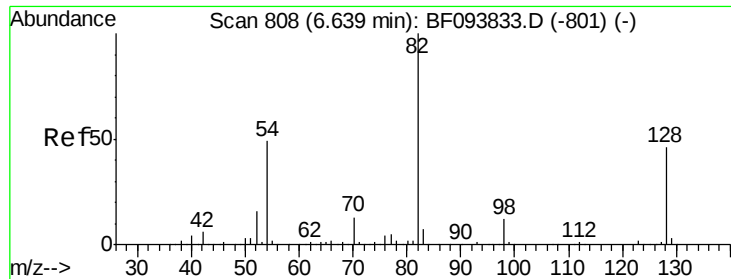
54 6.9 4.9 7.3

68 5.3 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

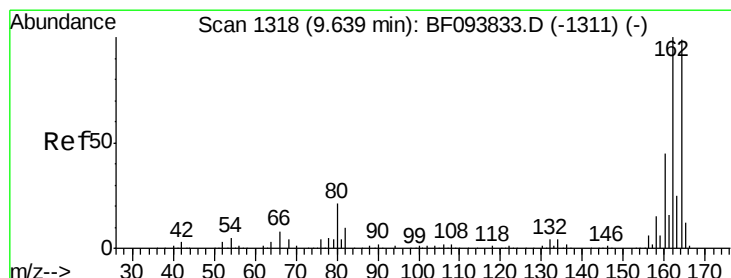
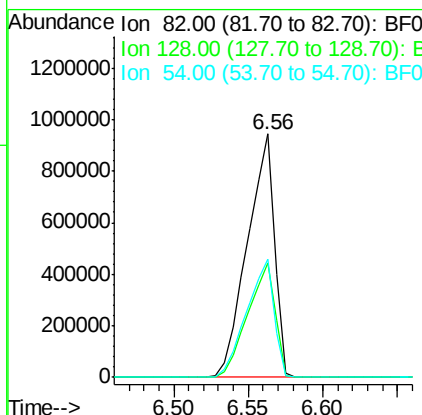
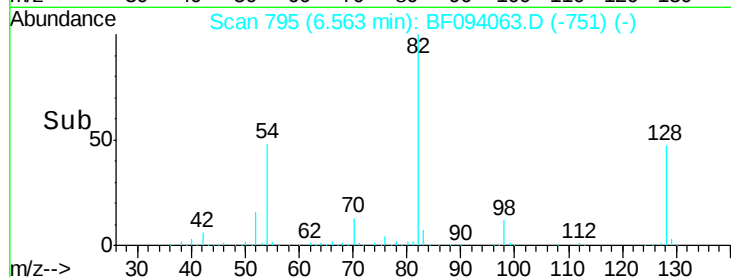
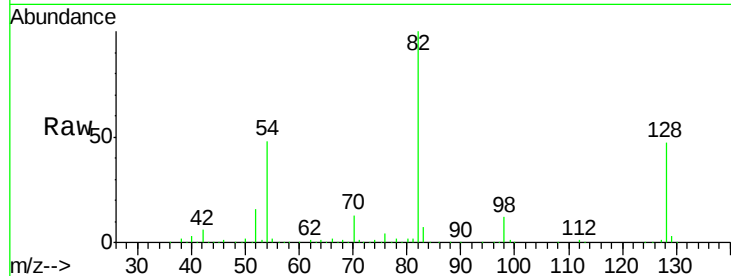




#23  
 Nitrobenzene-d5  
 Concen: 84.60 ng  
 RT: 6.56 min Scan# 795  
 Delta R.T. -0.04 min  
 Lab File: BF094063.D  
 Acq: 30 Mar 2017 17:41

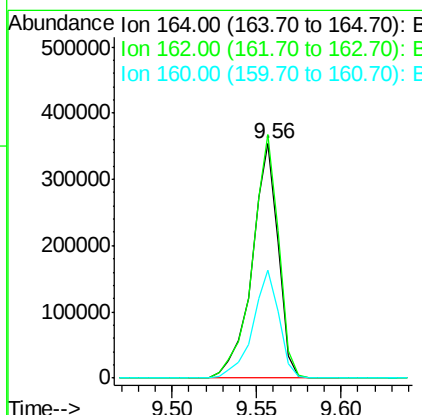
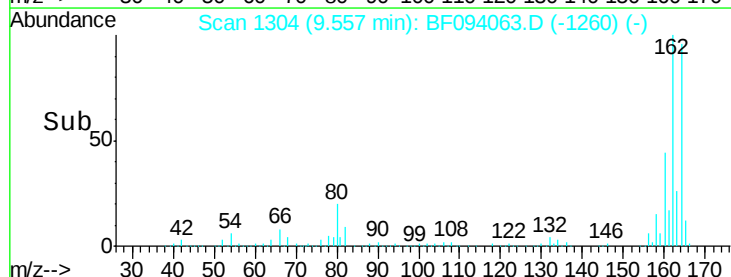
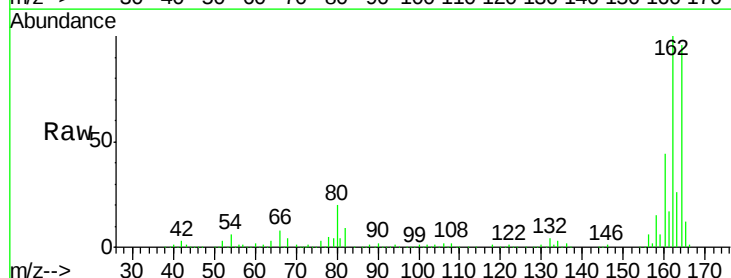
Instrument :  
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 PB97830BL

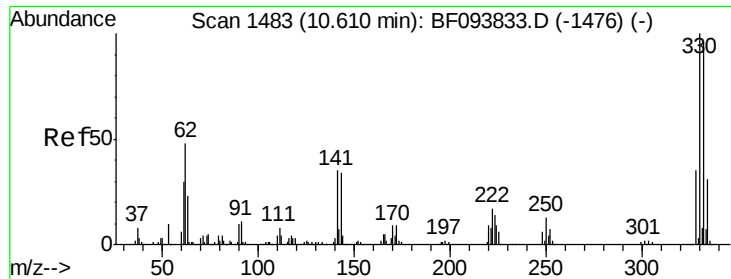
Tgt Ion: 82 Resp: 1184789  
 Ion Ratio Lower Upper  
 82 100  
 128 47.1 34.0 51.0  
 54 48.4 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.56 min Scan# 1304  
 Delta R.T. -0.04 min  
 Lab File: BF094063.D  
 Acq: 30 Mar 2017 17:41

Tgt Ion: 164 Resp: 381615  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 82.6 123.8  
 160 45.9 36.2 54.2

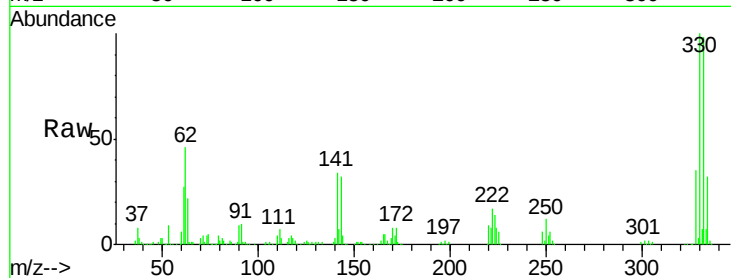




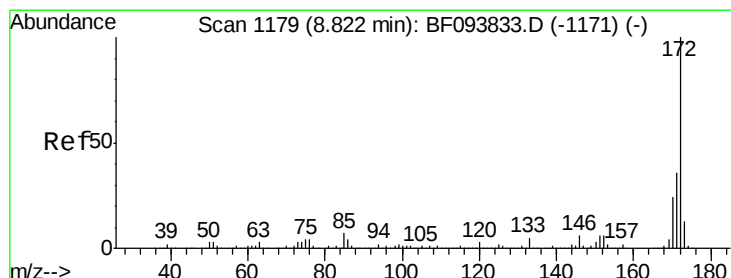
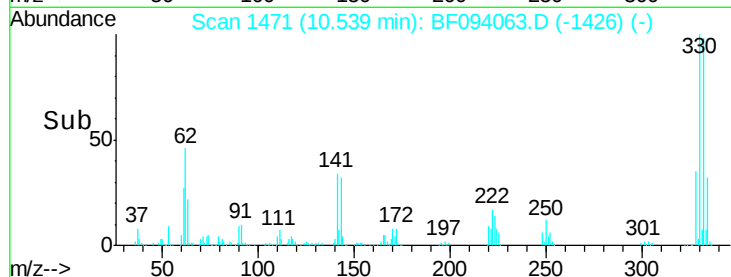
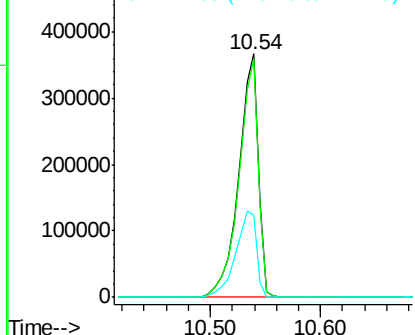
#41  
 2,4,6-Tribromophenol  
 Concen: 152.02 ng  
 RT: 10.54 min Scan# 1471  
 Delta R.T. -0.04 min  
 Lab File: BF094063.D  
 Acq: 30 Mar 2017 17:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97830BL

Tgt Ion:330 Resp: 458427  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 76.6 115.0  
 141 37.8 31.4 47.2

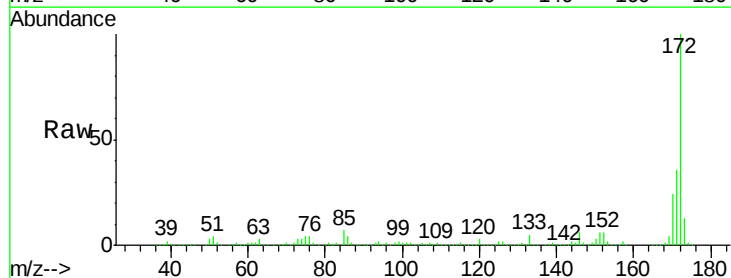


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

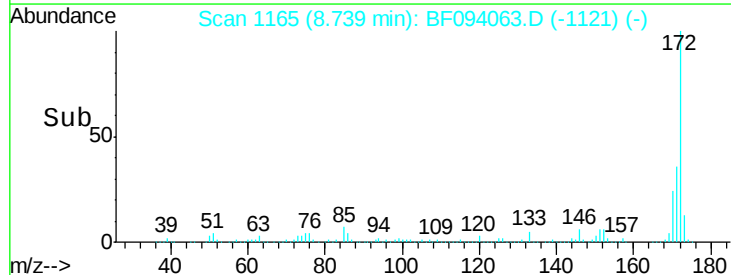
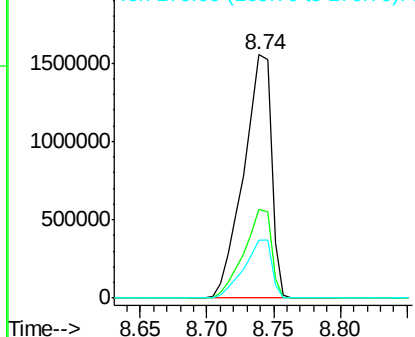


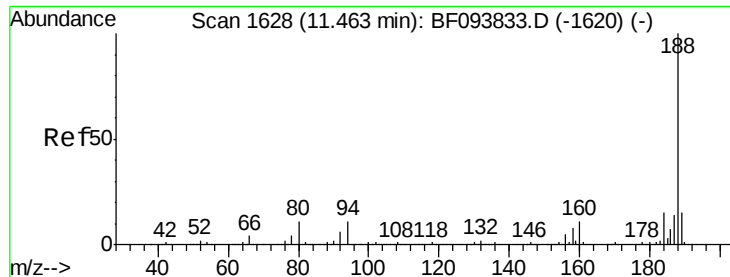
#44  
 2-Fluorobiphenyl  
 Concen: 89.03 ng  
 RT: 8.74 min Scan# 1165  
 Delta R.T. -0.04 min  
 Lab File: BF094063.D  
 Acq: 30 Mar 2017 17:41

Tgt Ion:172 Resp: 2227502  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 23.9 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: 11.38 min Scan# 1614

Delta R.T. -0.04 min

Lab File: BF094063.D

Acq: 30 Mar 2017 17:41

Instrument :

BNA\_F

ClientSampleId :

PB97830BL

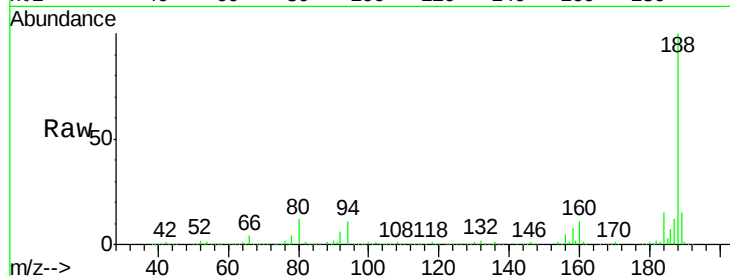
Tgt Ion:188 Resp: 692690

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

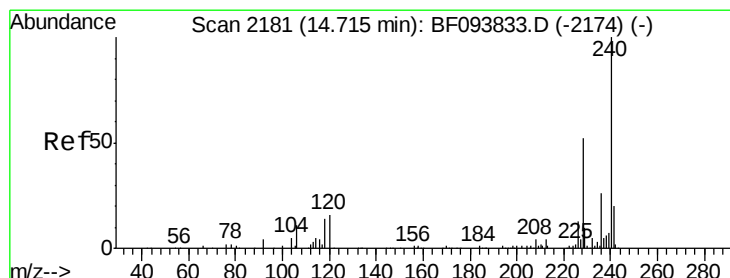
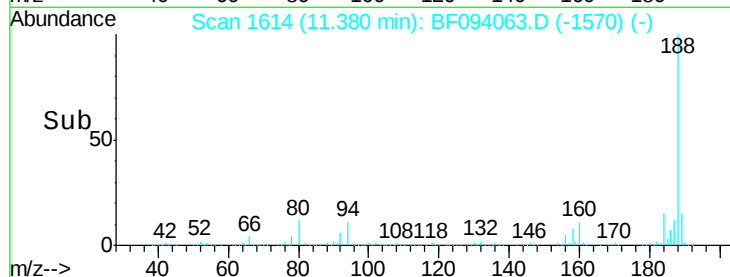
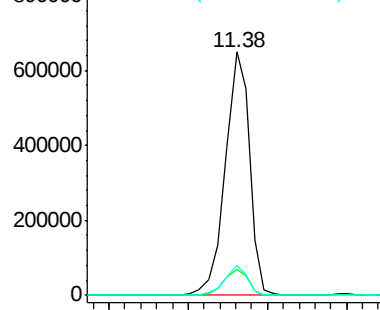
80 12.3 10.2 15.2



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: 14.63 min Scan# 2167

Delta R.T. -0.05 min

Lab File: BF094063.D

Acq: 30 Mar 2017 17:41

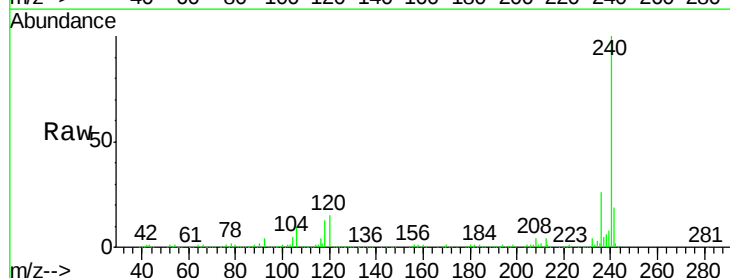
Tgt Ion:240 Resp: 558814

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

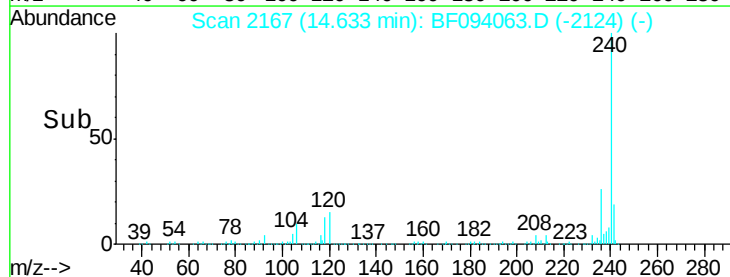
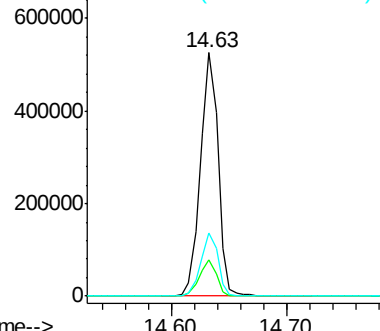
236 25.7 20.5 30.7

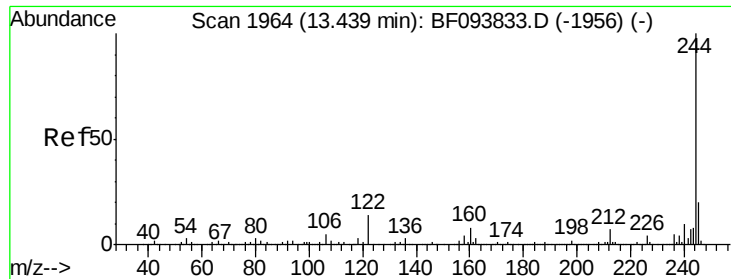


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

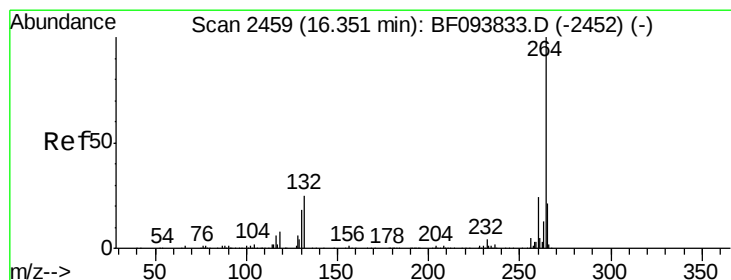
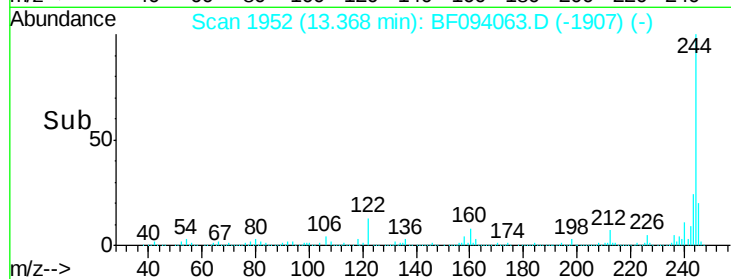
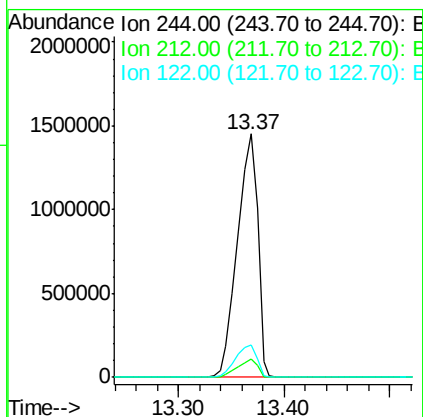
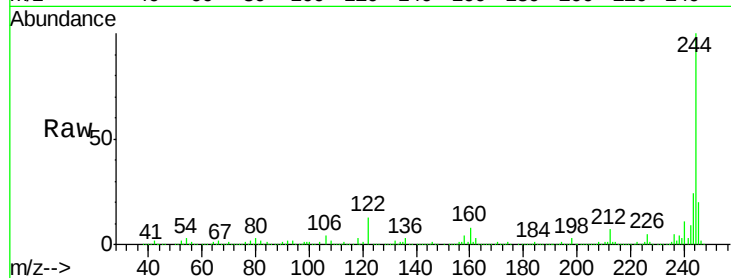




#78  
 Terphenyl-d14  
 Concen: 77.27 ng  
 RT: 13.37 min Scan# 1952  
 Delta R.T. -0.04 min  
 Lab File: BF094063.D  
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Tgt Ion:244 Resp: 1926350  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.0 9.0  
 122 13.2 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.27 min Scan# 2445  
 Delta R.T. -0.04 min  
 Lab File: BF094063.D  
 Acq: 30 Mar 2017 17:41

Tgt Ion:264 Resp: 443289  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.5 29.3  
 265 22.2 17.2 25.8

