

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041917\  
 Data File : BF094515.D  
 Acq On : 19 Apr 2017 14:53  
 Operator : SJ/MA  
 Sample : PB98329BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98329BL

Quant Time: Apr 20 04:08:57 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 14:59:23 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.77  | 152  | 116004   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.26  | 136  | 475691   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.40  | 164  | 201118   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.21 | 188  | 421543   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.46 | 240  | 358730   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 16.08 | 264  | 272460   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.33  | 112  | 921386   | 131.77 | ng    | 0.03     |
| 7) Phenol-d6                | 5.40  | 99   | 1146494  | 139.09 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.42  | 82   | 698834   | 90.71  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.37 | 330  | 236920   | 150.61 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.59  | 172  | 1301824  | 95.24  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.20 | 244  | 1247165  | 92.93  | ng    | 0.00     |

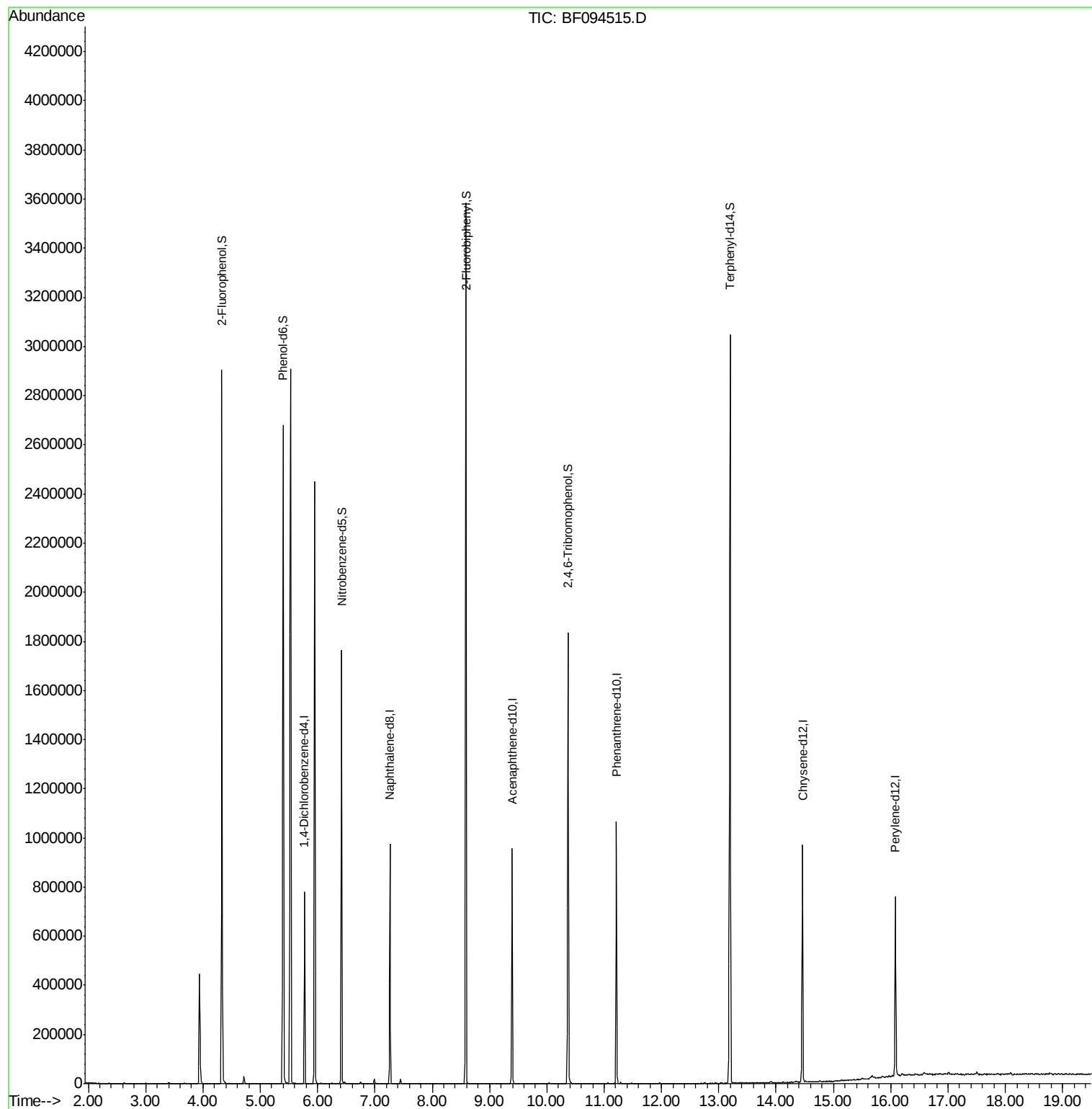
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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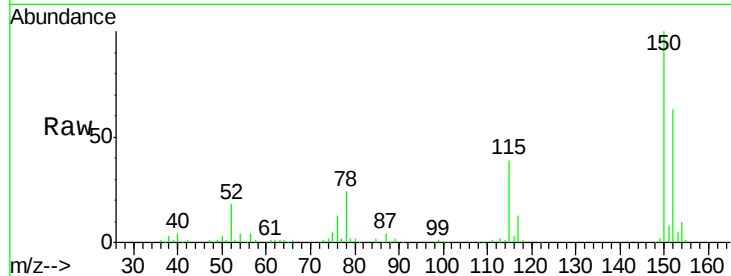




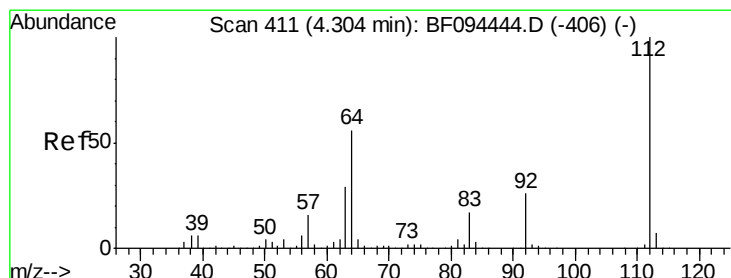
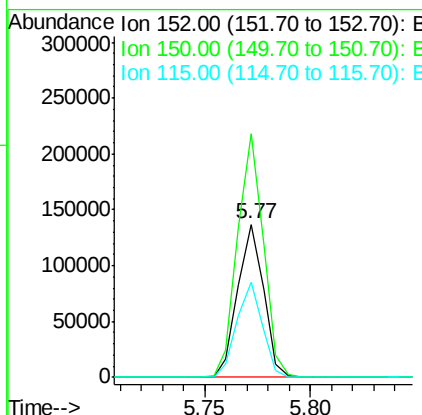
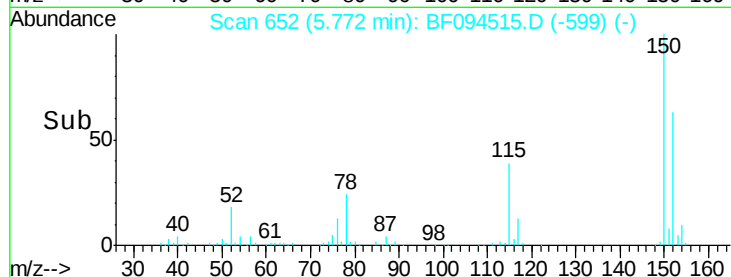
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 5.77 min Scan# 652  
 Delta R.T. 0.01 min  
 Lab File: BF094515.D  
 Acq: 19 Apr 2017 14:53

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB98329BL

Tgt Ion:152 Resp: 116004  
 Ion Ratio Lower Upper  
 152 100  
 150 159.2 126.2 189.2  
 115 62.2 52.2 78.2

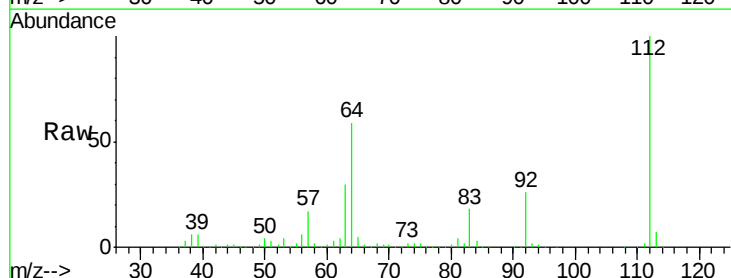


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

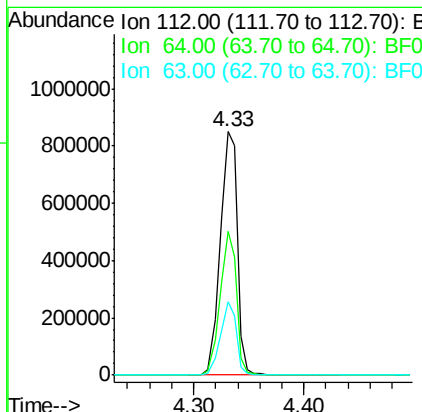
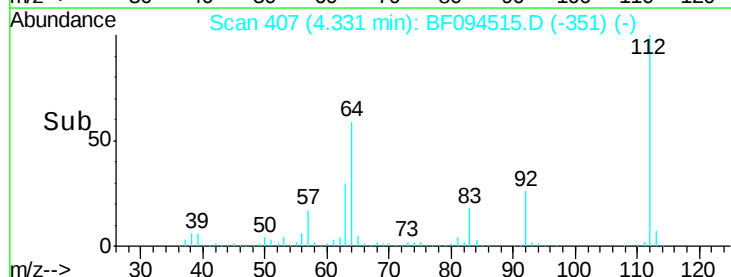


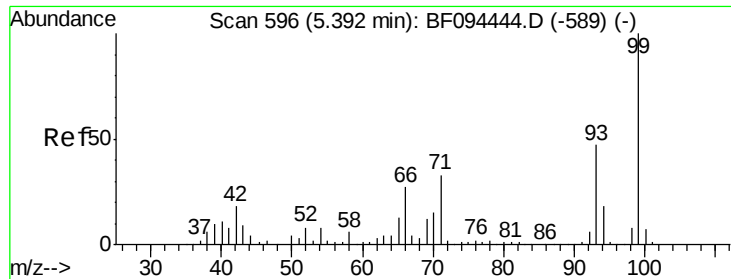
#5  
 2-Fluorophenol  
 Concen: 131.77 ng  
 RT: 4.33 min Scan# 407  
 Delta R.T. 0.03 min  
 Lab File: BF094515.D  
 Acq: 19 Apr 2017 14:53

Tgt Ion:112 Resp: 921386  
 Ion Ratio Lower Upper  
 112 100  
 64 59.2 46.0 69.0  
 63 30.3 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: 139.09 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094515.D

Acq: 19 Apr 2017 14:53

Instrument :

BNA\_F

ClientSampled :

PB98329BL

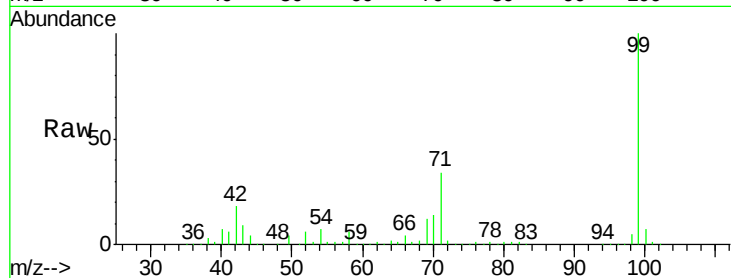
Tgt Ion: 99 Resp: 1146494

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

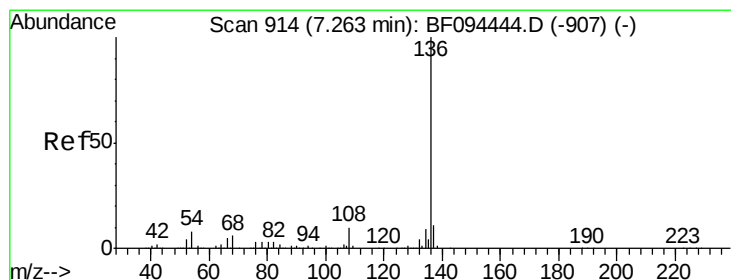
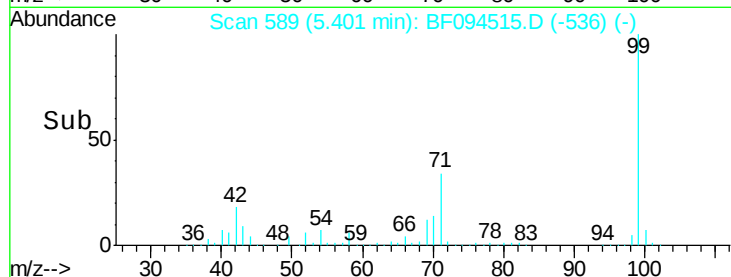
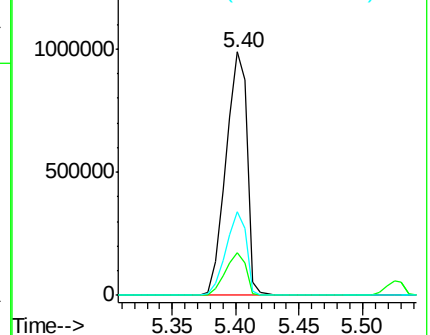
71 34.2 24.5 36.7



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: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094515.D

Acq: 19 Apr 2017 14:53

Tgt Ion: 136 Resp: 475691

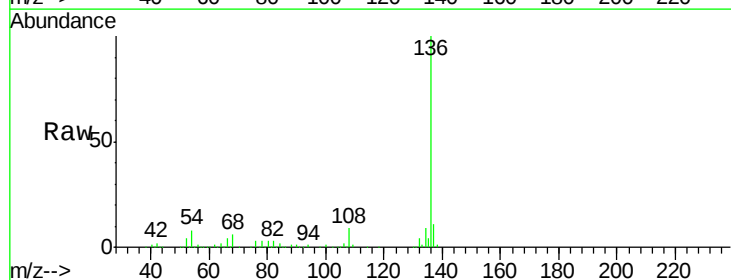
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.6 4.9 7.3#

68 5.7 4.1 6.1

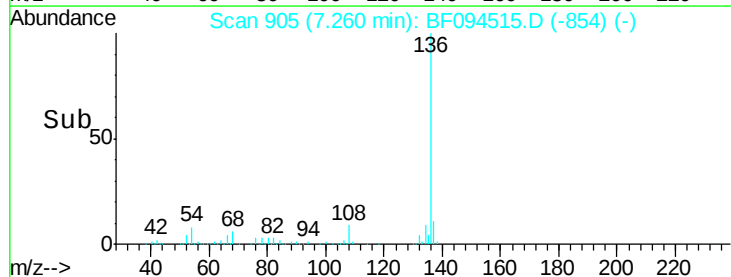
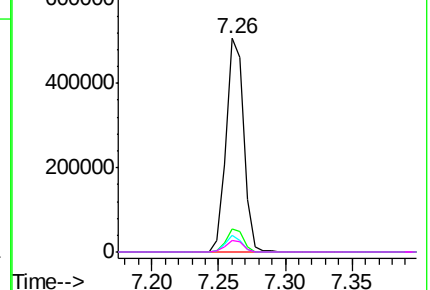


Abundance Ion 136.00 (135.70 to 136.70): E

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

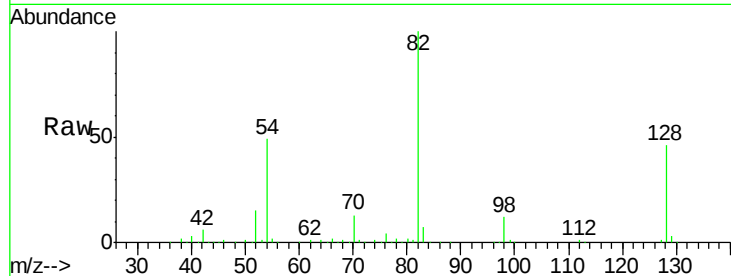




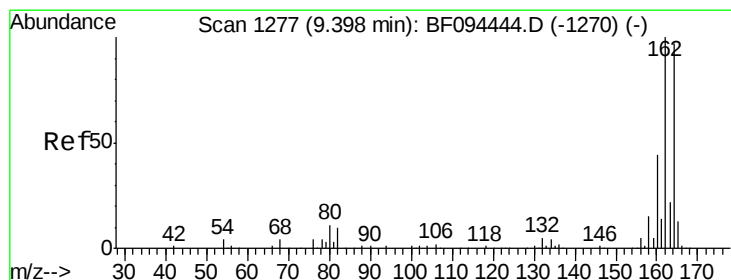
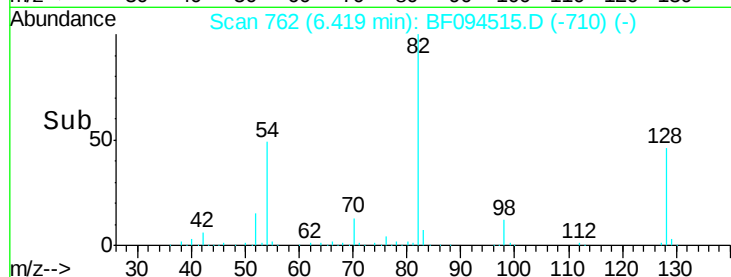
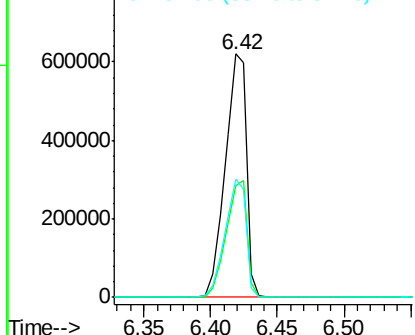
#23  
 Nitrobenzene-d5  
 Concen: 90.71 ng  
 RT: 6.42 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: BF094515.D  
 Acq: 19 Apr 2017 14:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98329BL

Tgt Ion: 82 Resp: 698834  
 Ion Ratio Lower Upper  
 82 100  
 128 45.7 34.0 51.0  
 54 48.6 42.2 63.2

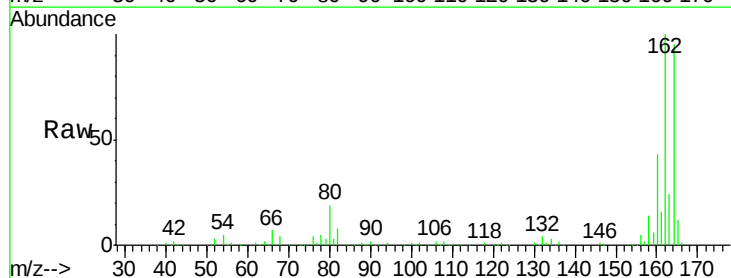


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

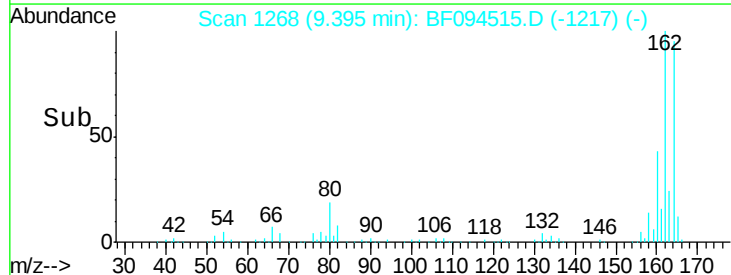
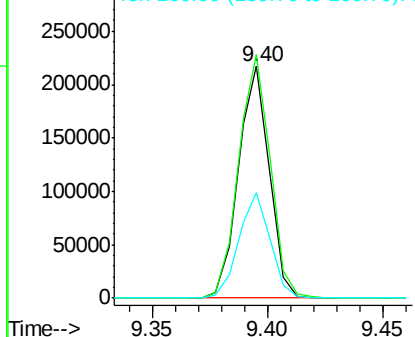


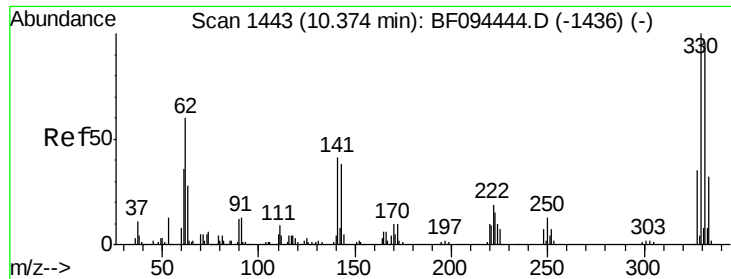
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.40 min Scan# 1268  
 Delta R.T. -0.00 min  
 Lab File: BF094515.D  
 Acq: 19 Apr 2017 14:53

Tgt Ion: 164 Resp: 201118  
 Ion Ratio Lower Upper  
 164 100  
 162 105.1 82.6 123.8  
 160 45.2 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

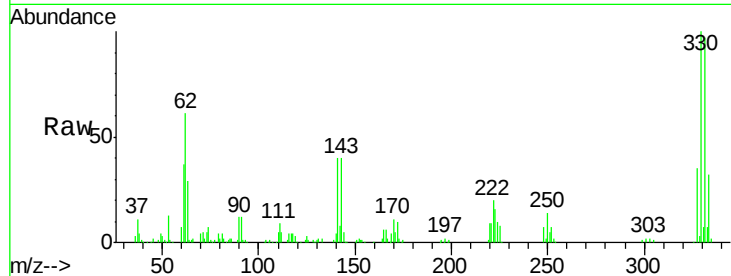




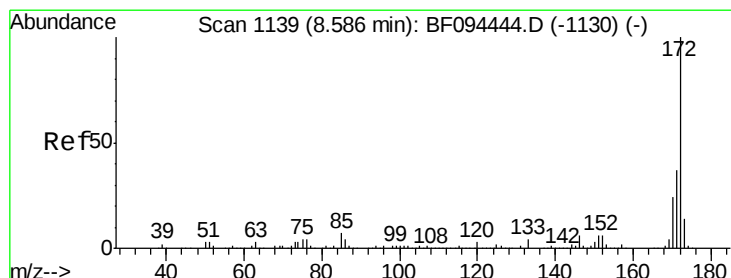
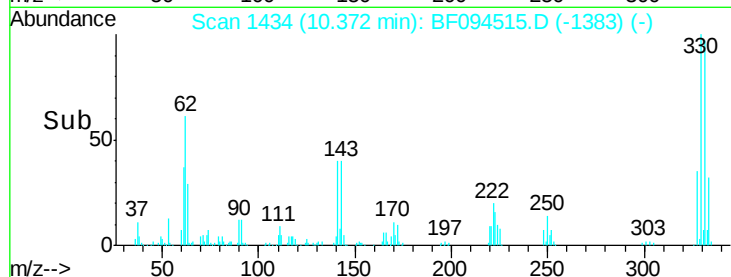
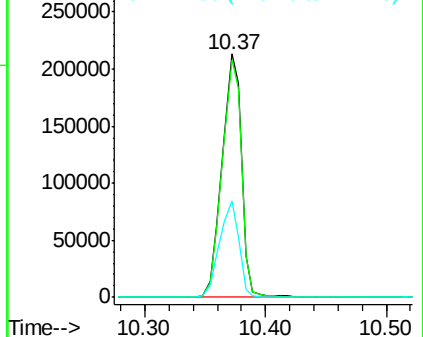
#41  
 2,4,6-Tribromophenol  
 Concen: 150.61 ng  
 RT: 10.37 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: BF094515.D  
 Acq: 19 Apr 2017 14:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98329BL

Tgt Ion:330 Resp: 236920  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 76.6 115.0  
 141 39.4 31.4 47.2

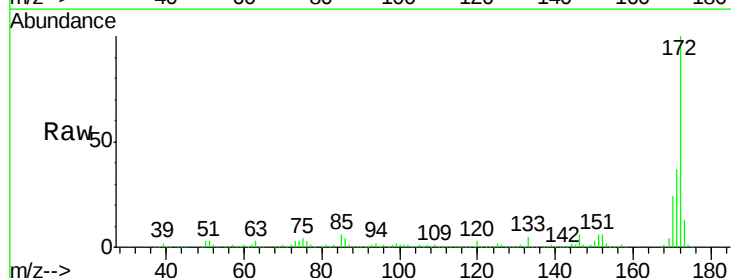


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

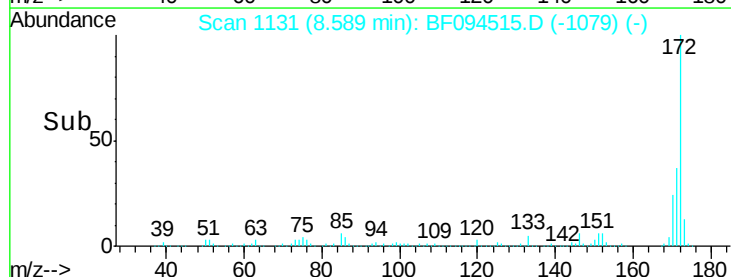
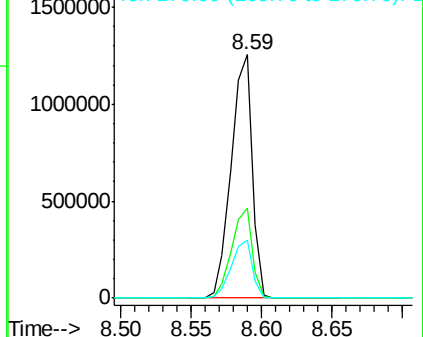


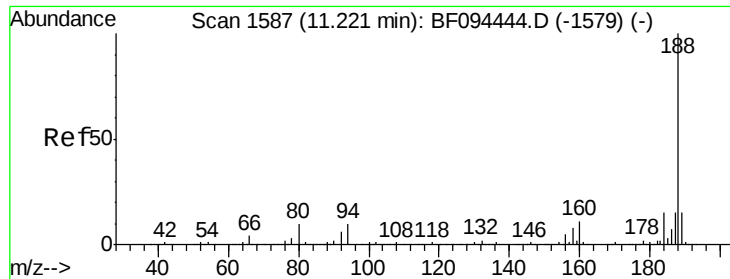
#44  
 2-Fluorobiphenyl  
 Concen: 95.24 ng  
 RT: 8.59 min Scan# 1131  
 Delta R.T. 0.00 min  
 Lab File: BF094515.D  
 Acq: 19 Apr 2017 14:53

Tgt Ion:172 Resp: 1301824  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 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

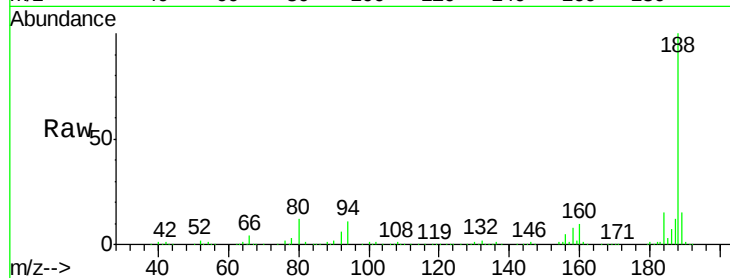




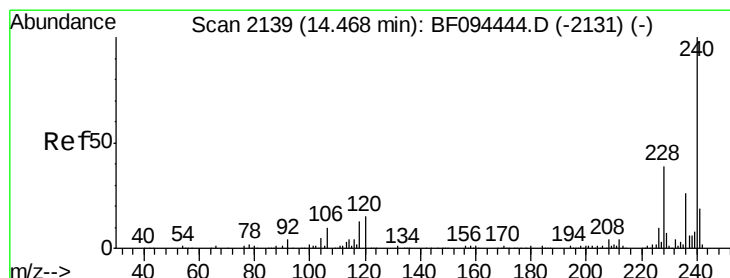
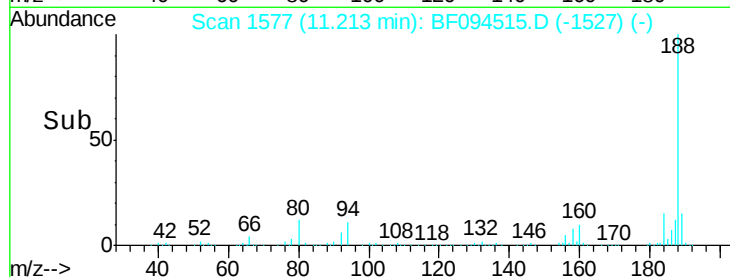
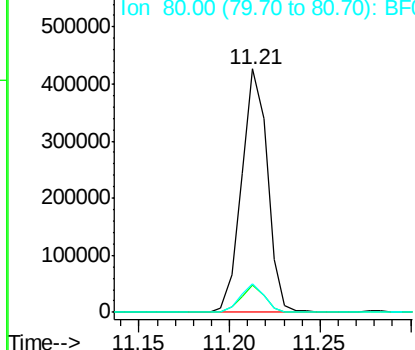
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.21 min Scan# 1577  
Delta R.T. -0.01 min  
Lab File: BF094515.D  
Acq: 19 Apr 2017 14:53

Instrument :  
BNA\_F  
ClientSampled :  
PB98329BL

Tgt Ion:188 Resp: 421543  
Ion Ratio Lower Upper  
188 100  
94 11.1 9.4 14.2  
80 12.0 10.2 15.2

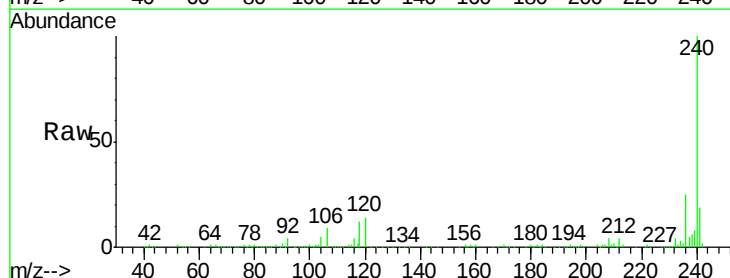


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

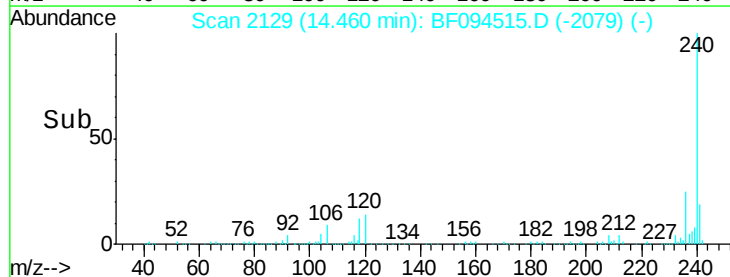
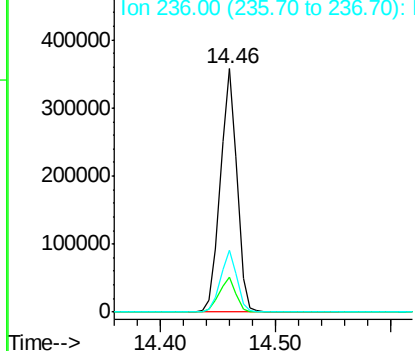


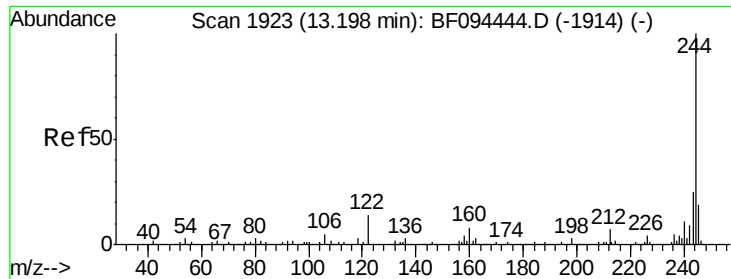
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.46 min Scan# 2129  
Delta R.T. -0.01 min  
Lab File: BF094515.D  
Acq: 19 Apr 2017 14:53

Tgt Ion:240 Resp: 358730  
Ion Ratio Lower Upper  
240 100  
120 14.3 5.8 8.8#  
236 25.4 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: 92.93 ng

RT: 13.20 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BF094515.D

Acq: 19 Apr 2017 14:53

Instrument :

BNA\_F

ClientSampleId :

PB98329BL

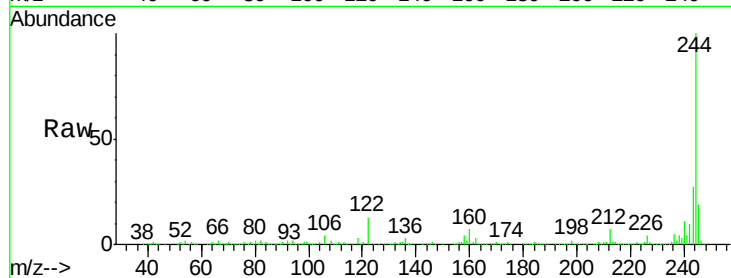
Tgt Ion:244 Resp: 1247165

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

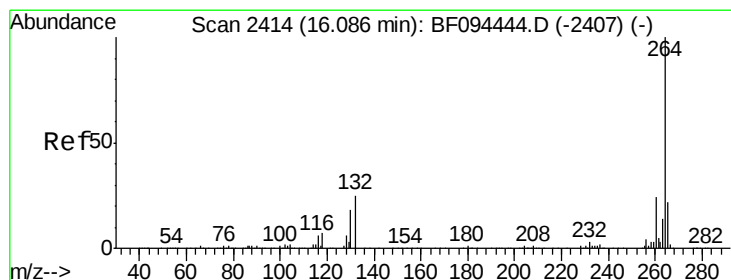
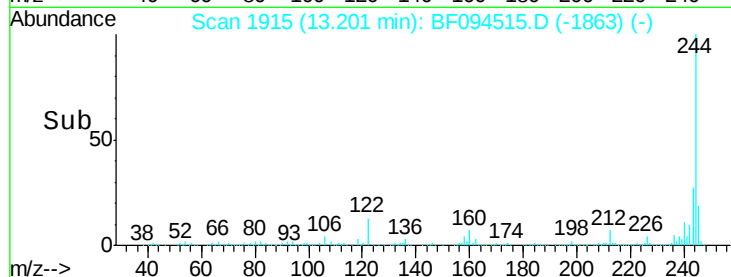
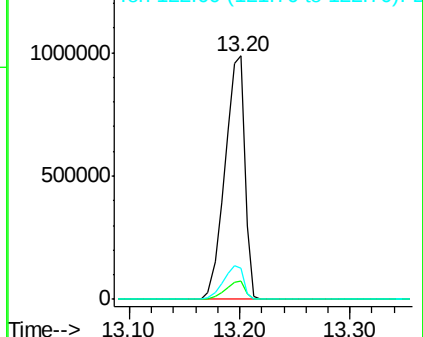
122 12.6 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BF094515.D

Acq: 19 Apr 2017 14:53

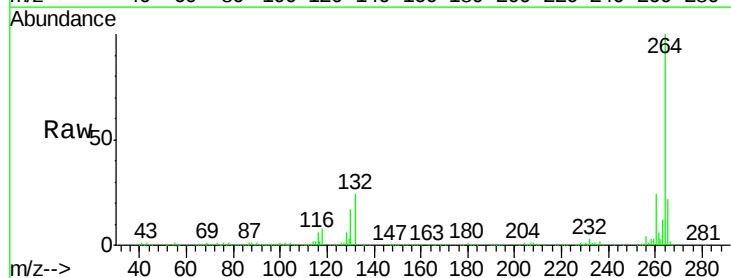
Tgt Ion:264 Resp: 272460

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 22.5 17.2 25.8



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

