

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\  
 Data File : BF094282.D  
 Acq On : 7 Apr 2017 19:34  
 Operator : SJ/MA  
 Sample : I2595-07  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2394

Quant Time: Apr 07 23:44:09 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 13:20:29 2017  
 Response via : Initial Calibration

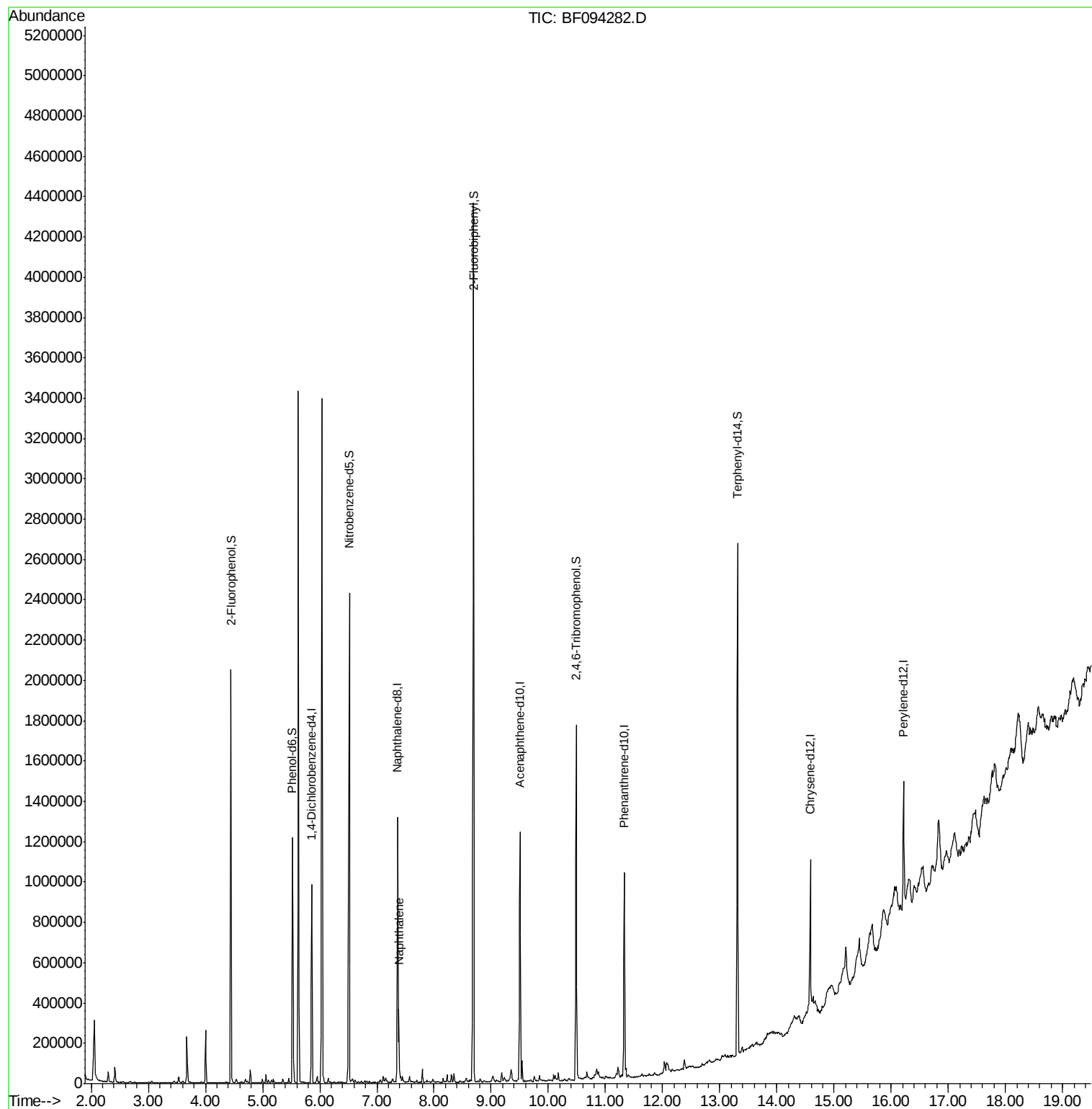
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 5.86  | 152  | 158451   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.36  | 136  | 607283   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.50  | 164  | 258914   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.33 | 188  | 384428   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 14.59 | 240  | 294173   | 20.00  | ng    | 0.01         |
| 86) Perylene-d12            | 16.22 | 264  | 264585   | 20.00  | ng    | 0.03         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 4.45  | 112  | 595224   | 63.45  | ng    | 0.06         |
| 7) Phenol-d6                | 5.52  | 99   | 459469   | 39.59  | ng    | 0.06         |
| 23) Nitrobenzene-d5         | 6.52  | 82   | 964838   | 90.67  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 239804   | 117.21 | ng    | 0.02         |
| 44) 2-Fluorobiphenyl        | 8.69  | 172  | 1634772  | 96.30  | ng    | 0.00         |
| 78) Terphenyl-d14           | 13.31 | 244  | 952587   | 72.58  | ng    | 0.01         |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 7.39  | 128  | 147207   | 5.04   | ng    | Qvalue<br>99 |

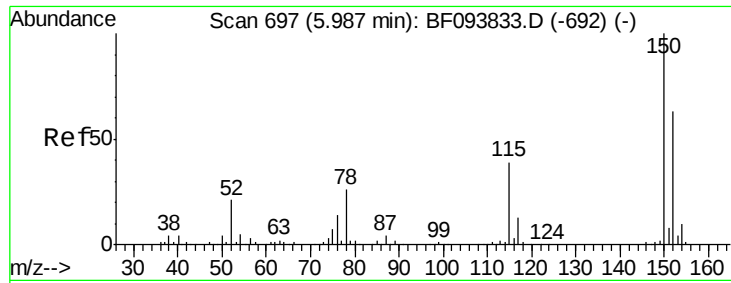
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\  
Data File : BF094282.D  
Acq On : 7 Apr 2017 19:34  
Operator : SJ/MA  
Sample : I2595-07  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
A2394

Quant Time: Apr 07 23:44:09 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 06 13:20:29 2017  
Response via : Initial Calibration



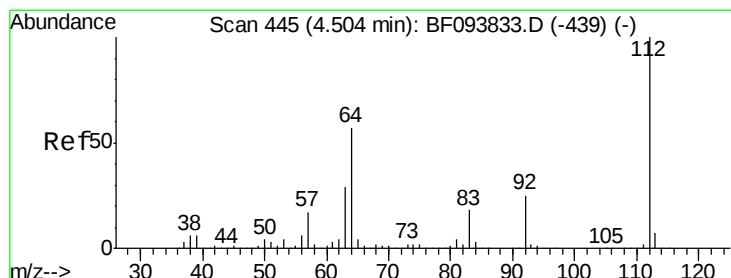
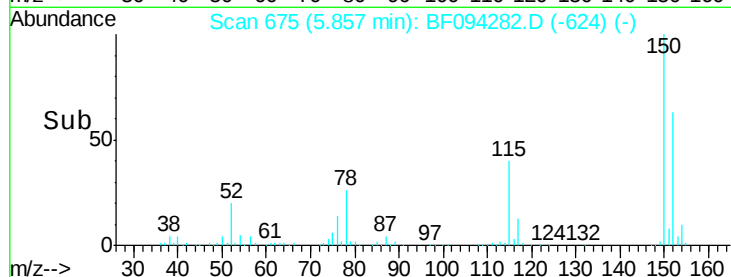
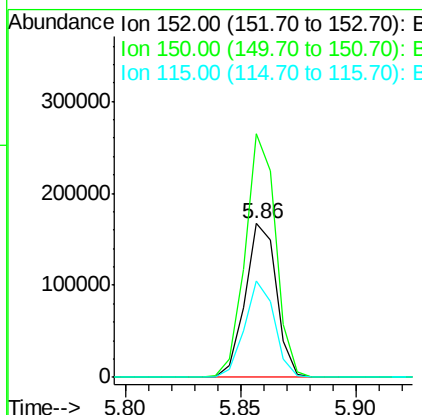
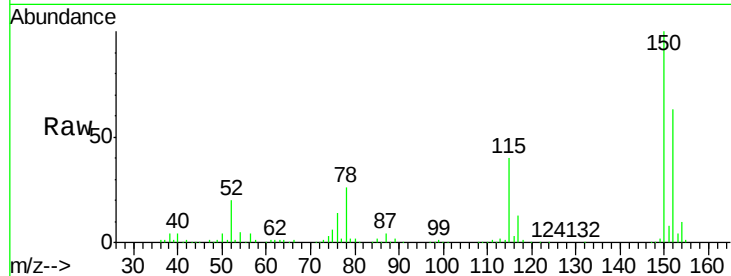


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.86 min Scan# 675  
Delta R.T. -0.00 min  
Lab File: BF094282.D  
Acq: 7 Apr 2017 19:34

Instrument :  
BNA\_F  
ClientSampleId :  
A2394

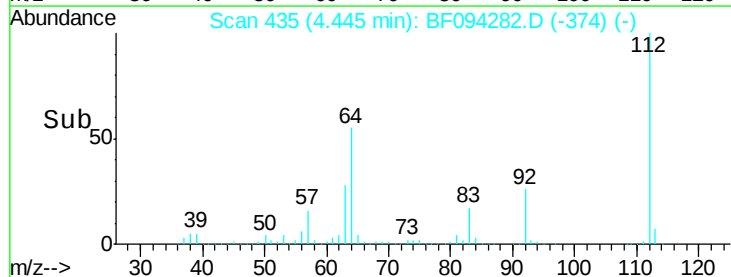
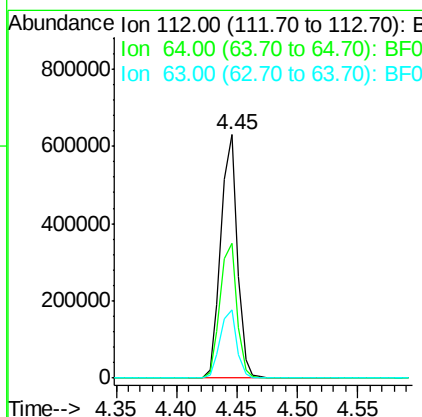
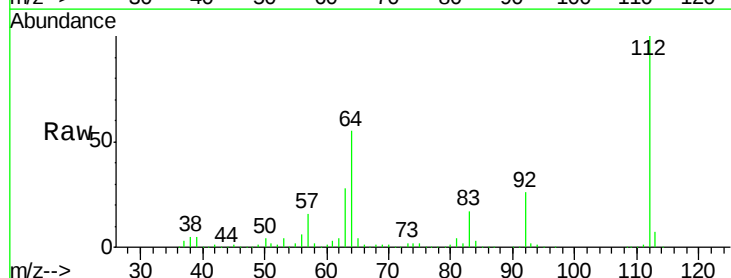
Tot Ion:152 Resp: 158451  
Ion Ratio Lower Upper  
152 100  
150 158.6 126.2 189.2  
115 63.1 52.2 78.2

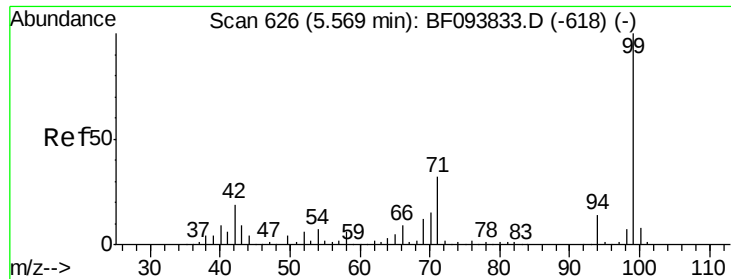


#5

2-Fluorophenol  
Concen: 63.45 ng  
RT: 4.45 min Scan# 435  
Delta R.T. 0.06 min  
Lab File: BF094282.D  
Acq: 7 Apr 2017 19:34

Tgt Ion:112 Resp: 595224  
Ion Ratio Lower Upper  
112 100  
64 55.3 46.0 69.0  
63 28.0 23.4 35.0





#7

Phenol-d6

Concen: 39.59 ng

RT: 5.52 min Scan# 618

Delta R.T. 0.06 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

Instrument :

BNA\_F

ClientSampleId :

A2394

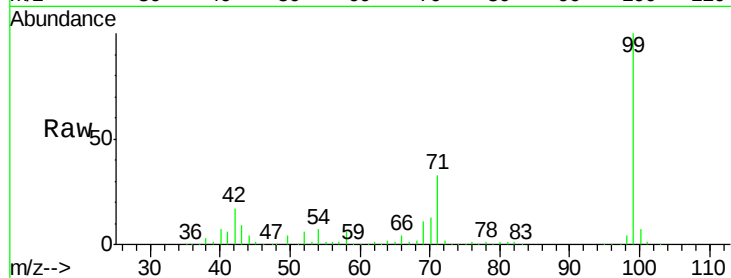
Tot Ion: 99 Resp: 459469

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

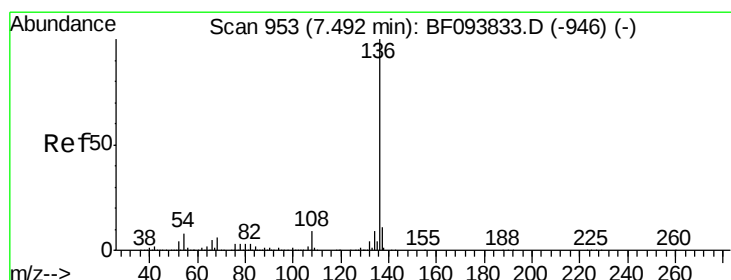
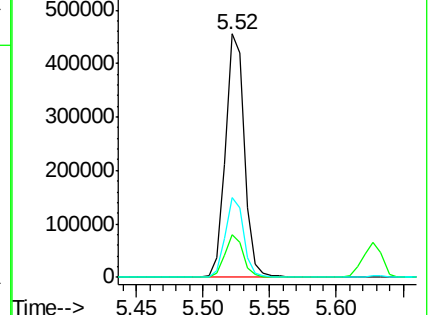
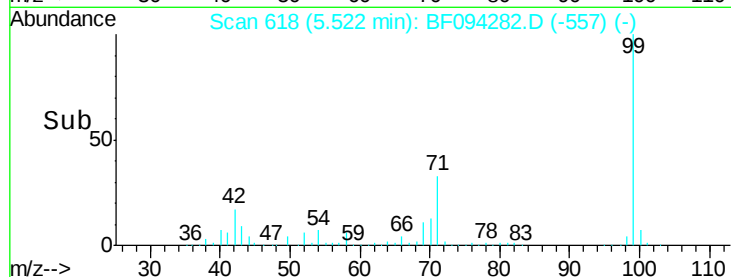
71 33.0 24.5 36.7



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: 7.36 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

Tgt Ion: 136 Resp: 607283

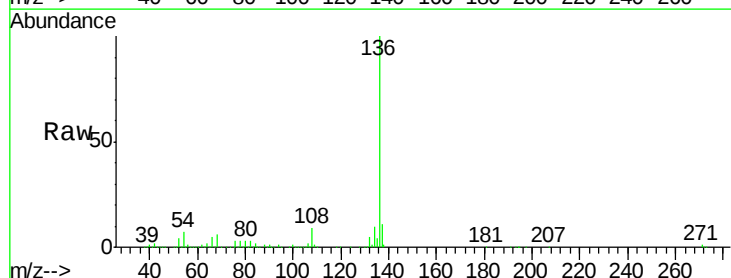
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.4 4.9 7.3#

68 5.9 4.1 6.1

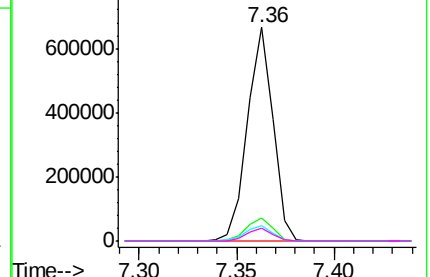
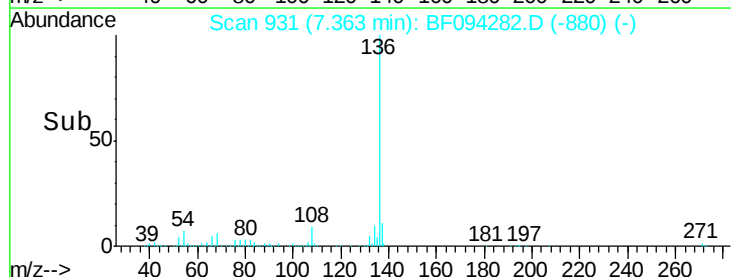


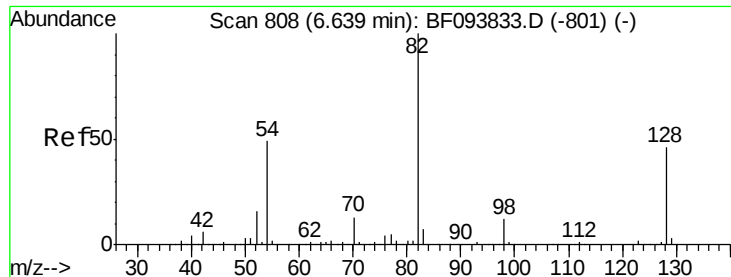
Abundance Ion 136.00 (135.70 to 136.70): E

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

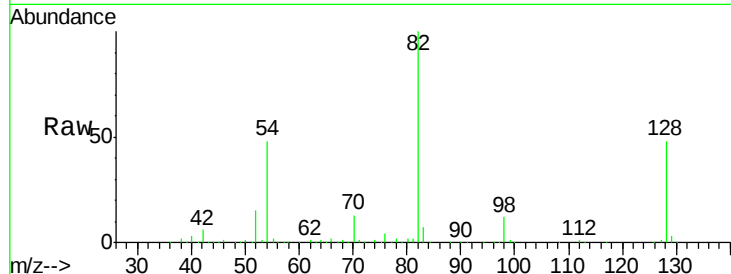




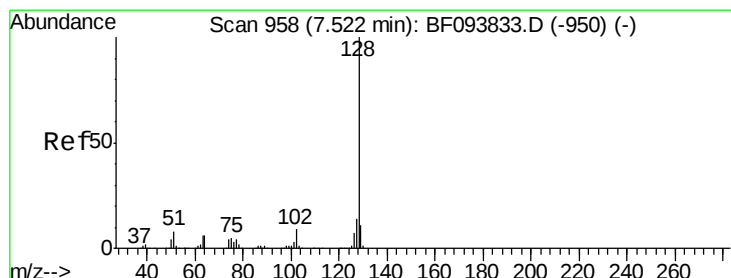
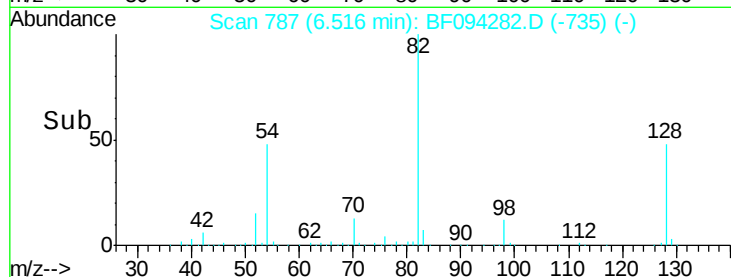
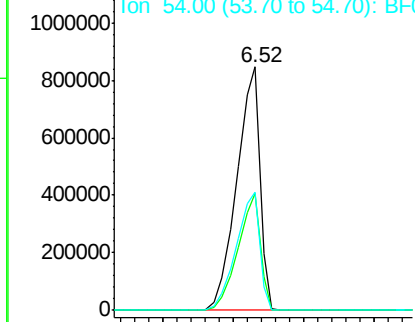
#23  
Nitrobenzene-d5  
Concen: 90.67 ng  
RT: 6.52 min Scan# 787  
Delta R.T. 0.01 min  
Lab File: BF094282.D  
Acq: 7 Apr 2017 19:34

Instrument :  
BNA\_F  
ClientSampleId :  
A2394

Tot Ion: 82 Resp: 964838  
Ion Ratio Lower Upper  
82 100  
128 47.8 34.0 51.0  
54 48.3 42.2 63.2

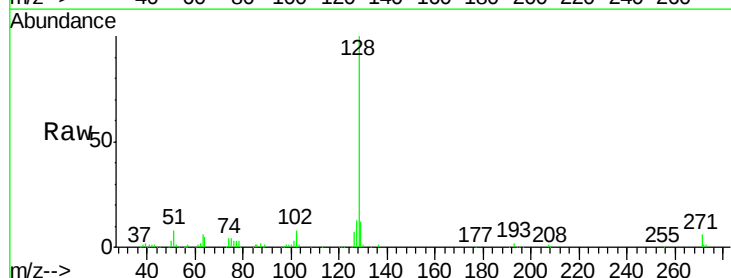


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

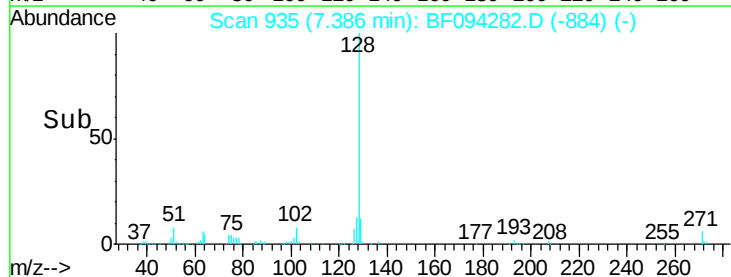
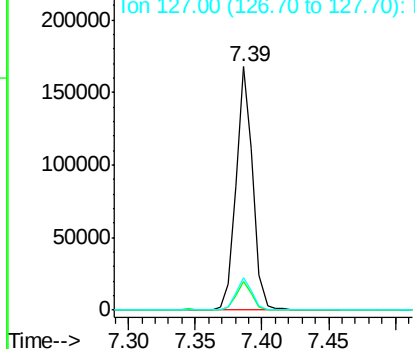


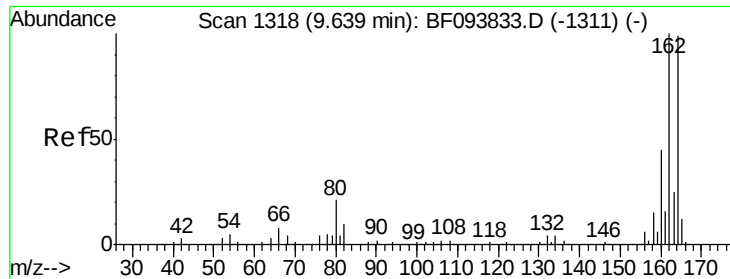
#31  
Naphthalene  
Concen: 5.04 ng  
RT: 7.39 min Scan# 935  
Delta R.T. -0.00 min  
Lab File: BF094282.D  
Acq: 7 Apr 2017 19:34

Tgt Ion: 128 Resp: 147207  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.0 13.6  
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.50 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

Instrument :

BNA\_F

ClientSampleId :

A2394

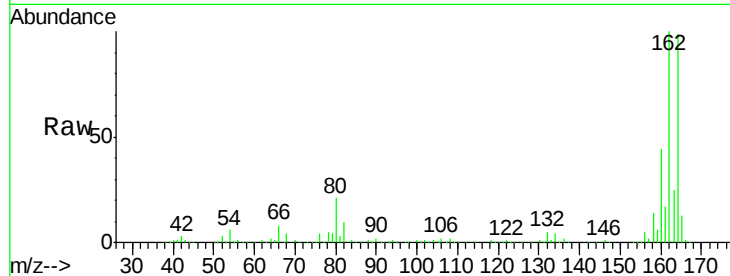
Tot Ion:164 Resp: 258914

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

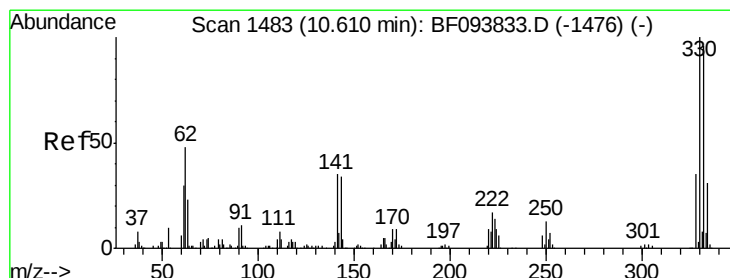
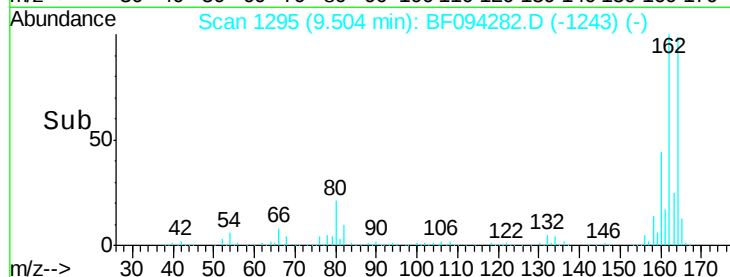
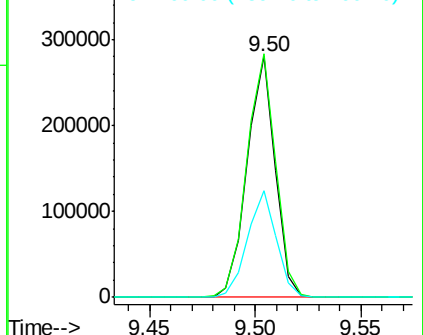
160 44.6 36.2 54.2



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: 117.21 ng

RT: 10.49 min Scan# 1463

Delta R.T. 0.02 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

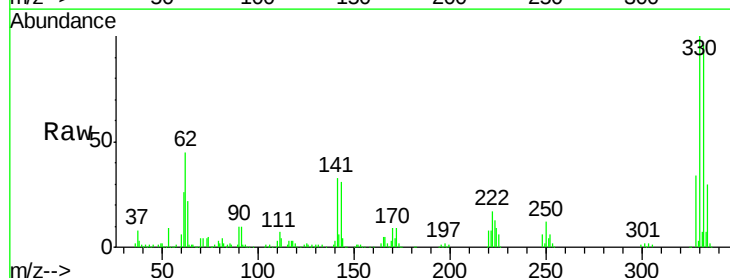
Tgt Ion:330 Resp: 239804

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

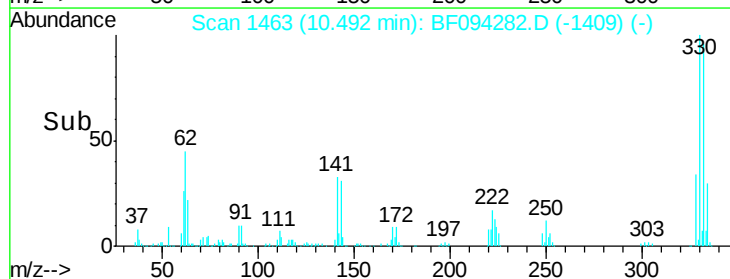
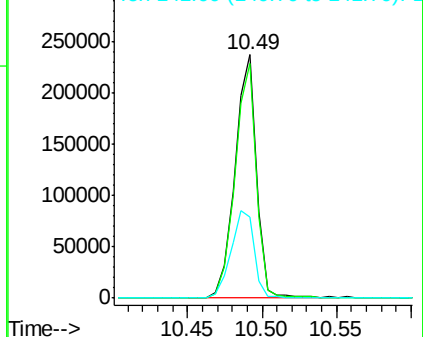
141 39.2 31.4 47.2

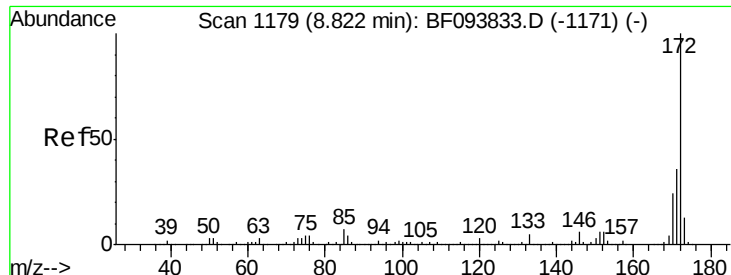


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

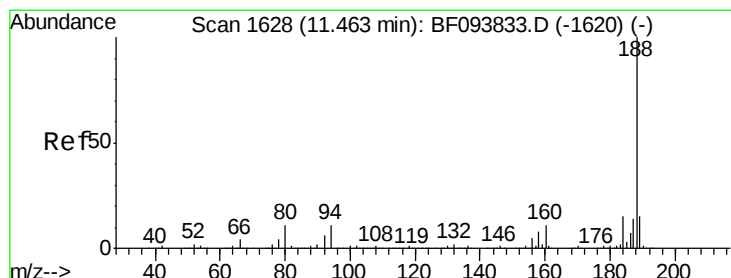
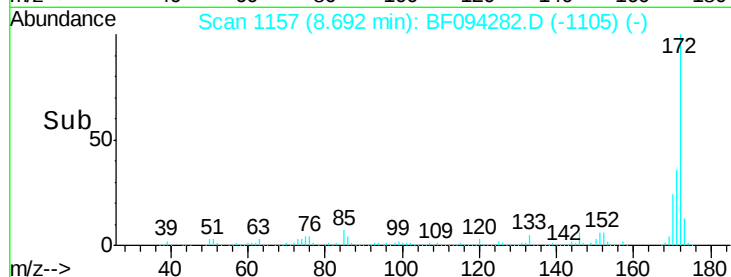
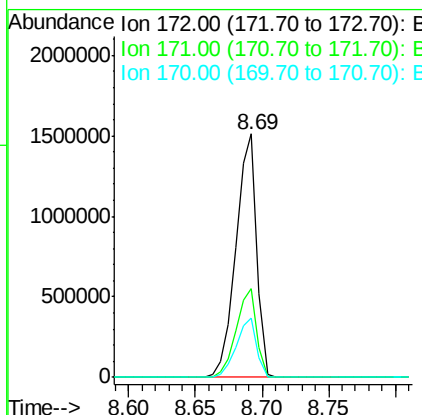
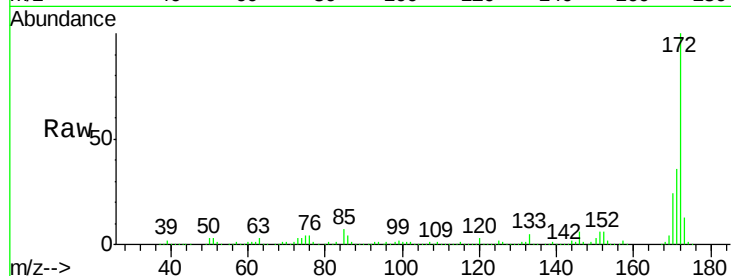




#44  
2-Fluorobiphenyl  
Concen: 96.30 ng  
RT: 8.69 min Scan# 1157  
Delta R.T. 0.01 min  
Lab File: BF094282.D  
Acq: 7 Apr 2017 19:34

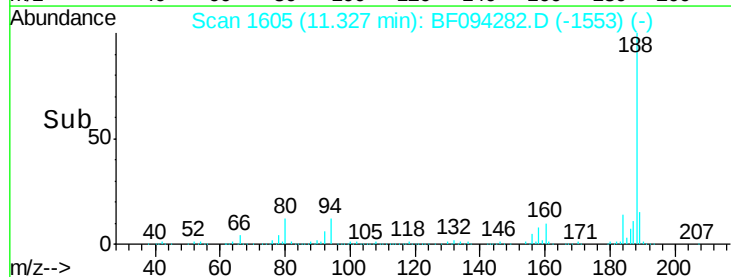
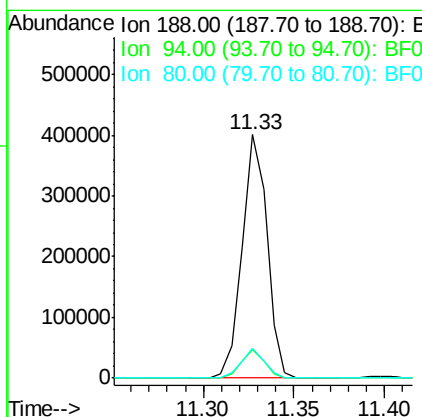
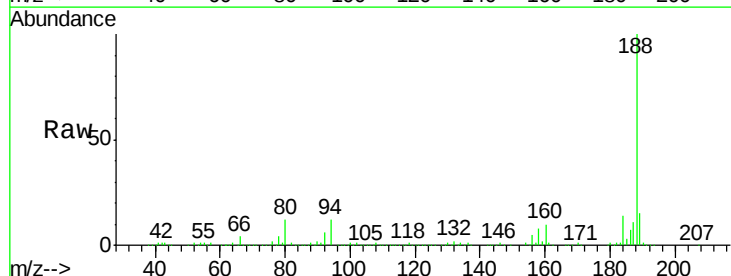
Instrument :  
BNA\_F  
ClientSampleId :  
A2394

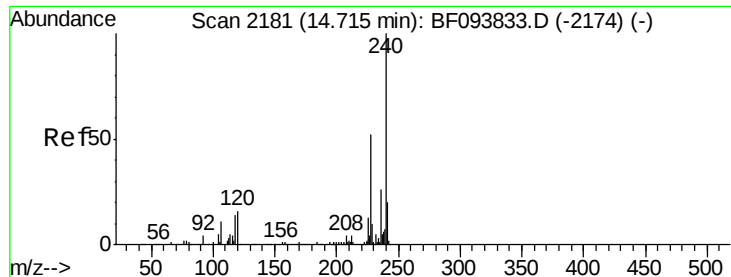
Tot Ion:172 Resp: 1634772  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.6 44.4  
170 24.3 19.8 29.8



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.33 min Scan# 1605  
Delta R.T. 0.01 min  
Lab File: BF094282.D  
Acq: 7 Apr 2017 19:34

Tgt Ion:188 Resp: 384428  
Ion Ratio Lower Upper  
188 100  
94 11.8 9.4 14.2  
80 12.4 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.59 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

Instrument :

BNA\_F

ClientSampleId :

A2394

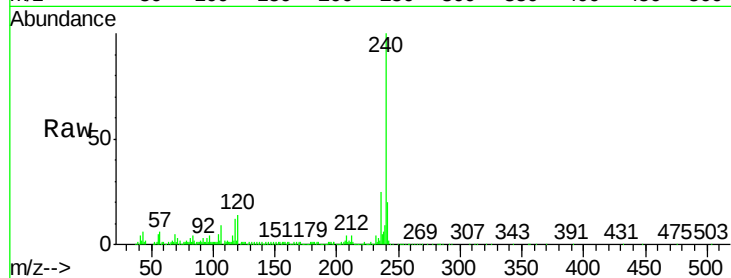
Tot Ion:240 Resp: 294173

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

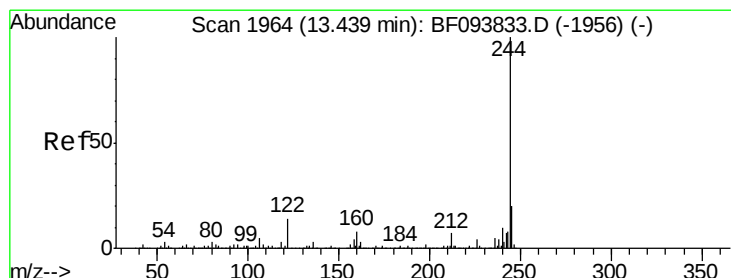
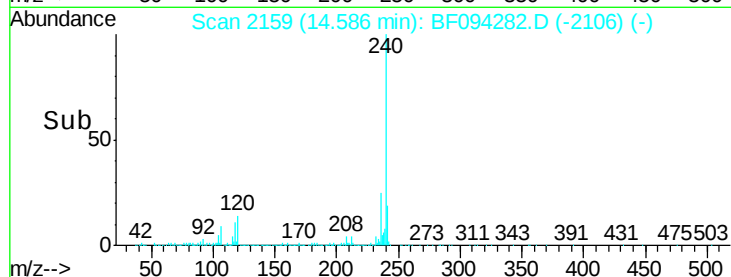
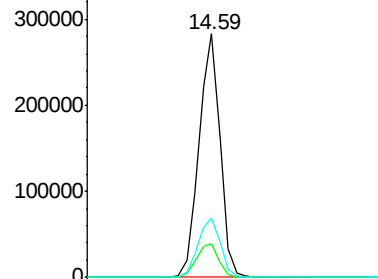
236 24.5 20.5 30.7



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: 72.58 ng

RT: 13.31 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

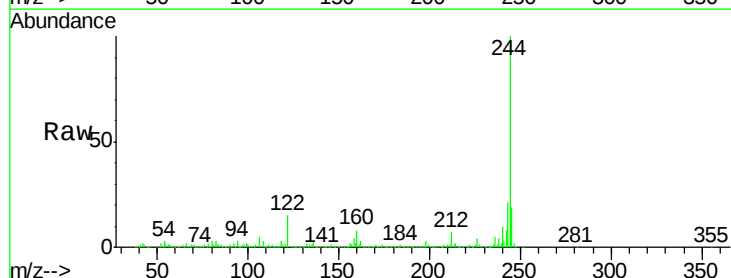
Tgt Ion:244 Resp: 952587

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

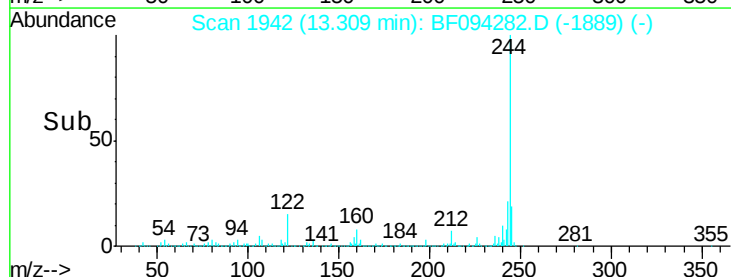
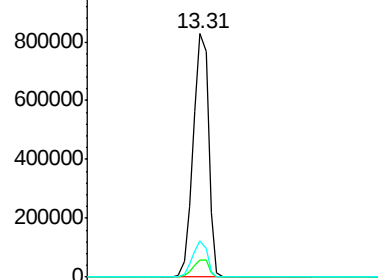
122 14.8 10.3 15.5

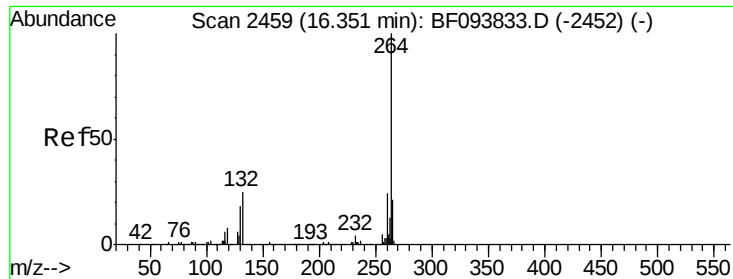


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF094282.D  
Acq: 7 Apr 2017 19:34

Instrument :  
BNA\_F  
ClientSampleId :  
A2394

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.5  | 29.3  |
| 265     | 22.2  | 17.2  | 25.8  |

