

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\  
 Data File : BF093931.D  
 Acq On : 25 Mar 2017 2:36  
 Operator : SJ/MA  
 Sample : I2379-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-1

Quant Time: Mar 25 05:01:36 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 23 02:02:22 2017  
 Response via : Initial Calibration

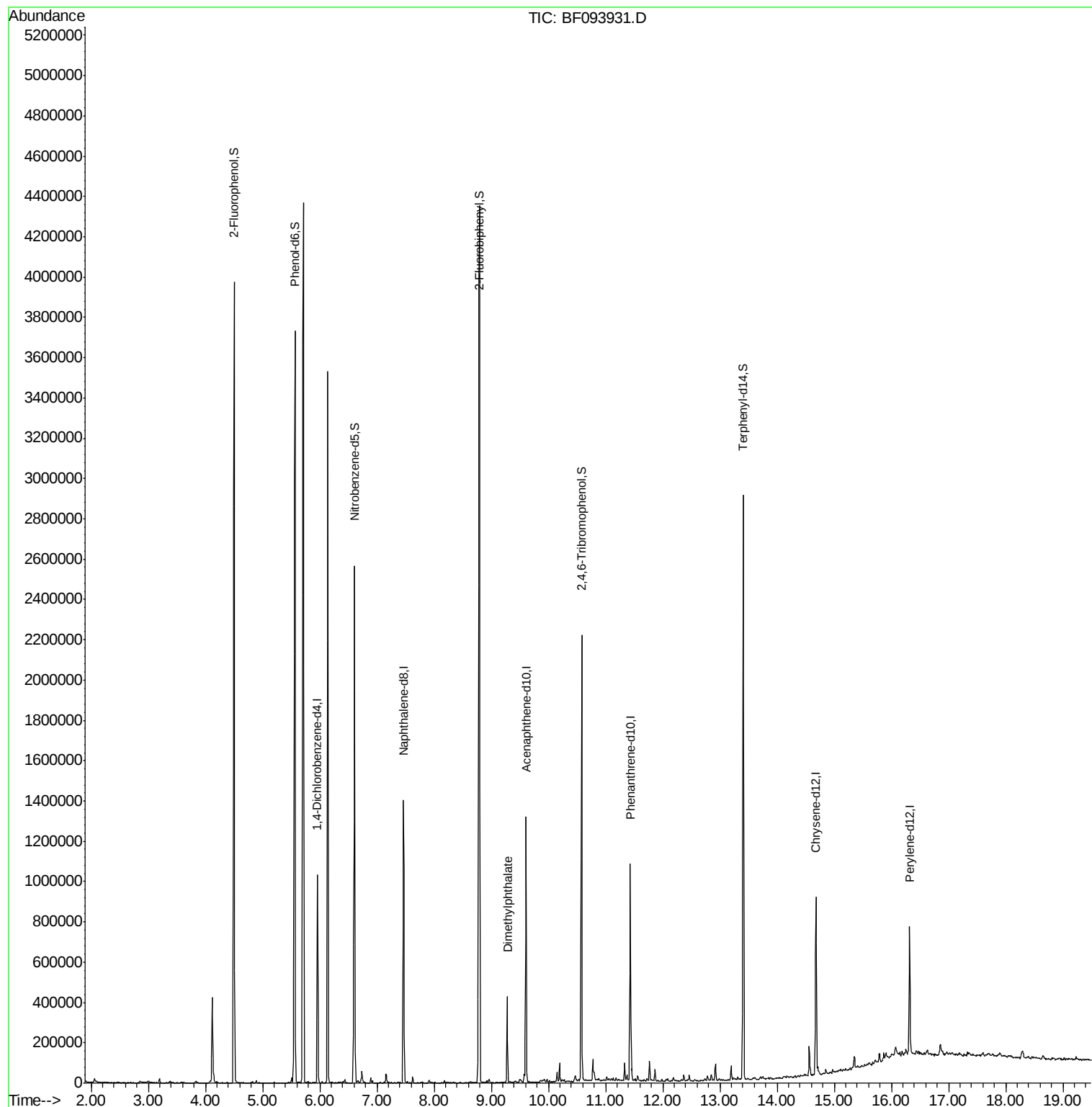
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 5.96  | 152  | 173402   | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 7.46  | 136  | 686273   | 20.00  | ng    | -0.03        |
| 38) Acenaphthene-d10        | 9.60  | 164  | 288701   | 20.00  | ng    | -0.04        |
| 63) Phenanthrene-d10        | 11.43 | 188  | 426060   | 20.00  | ng    | -0.04        |
| 75) Chrysene-d12            | 14.68 | 240  | 322238   | 20.00  | ng    | -0.04        |
| 86) Perylene-d12            | 16.32 | 264  | 258298   | 20.00  | ng    | -0.03        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 4.50  | 112  | 1426050  | 138.90 | ng    | 0.00         |
| 7) Phenol-d6                | 5.56  | 99   | 1812410  | 142.70 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 6.61  | 82   | 1105113  | 91.90  | ng    | -0.03        |
| 41) 2,4,6-Tribromophenol    | 10.58 | 330  | 294985   | 129.30 | ng    | -0.03        |
| 44) 2-Fluorobiphenyl        | 8.79  | 172  | 1709397  | 90.31  | ng    | -0.03        |
| 78) Terphenyl-d14           | 13.41 | 244  | 997461   | 69.38  | ng    | -0.03        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.28  | 163  | 176135   | 8.58   | ng    | Qvalue<br>98 |

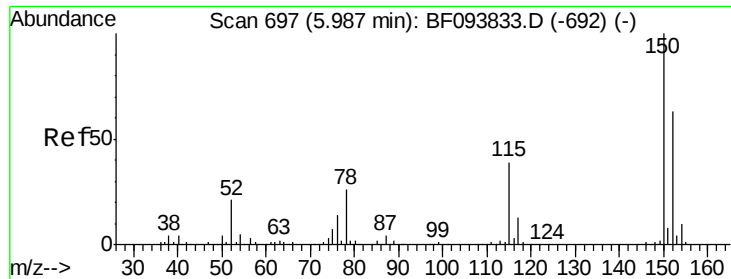
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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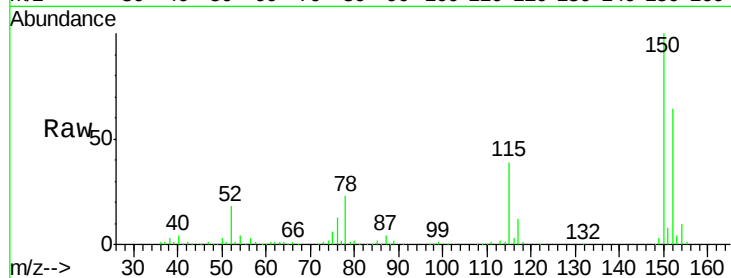




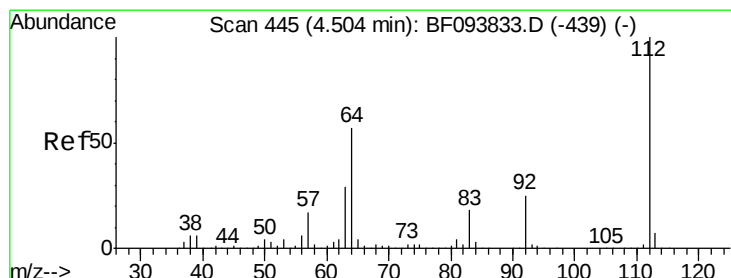
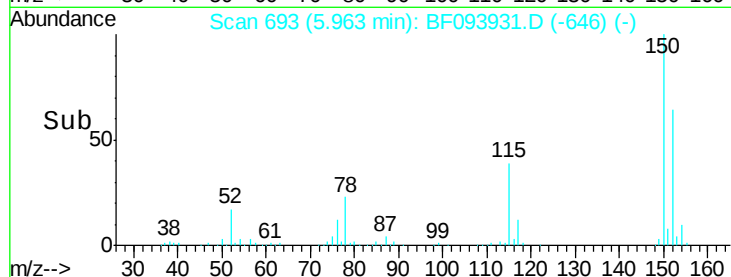
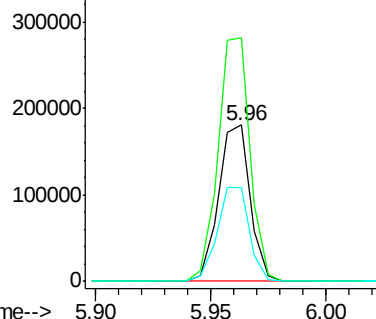
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 5.96 min Scan# 693  
 Delta R.T. -0.02 min  
 Lab File: BF093931.D  
 Acq: 25 Mar 2017 2:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-1

Tot Ion:152 Resp: 173402  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 126.2 189.2  
 115 60.2 52.2 78.2

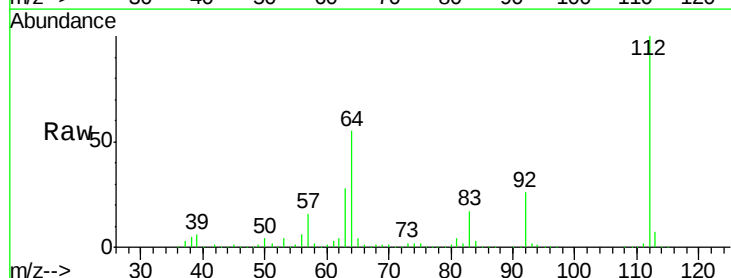


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

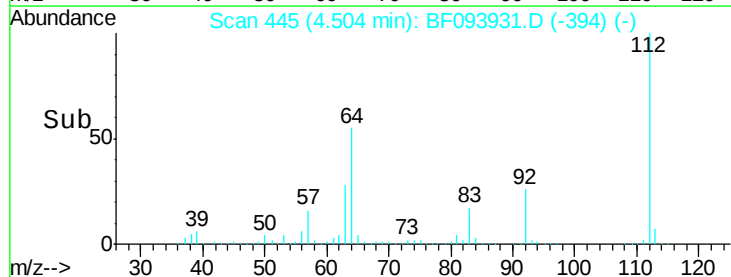
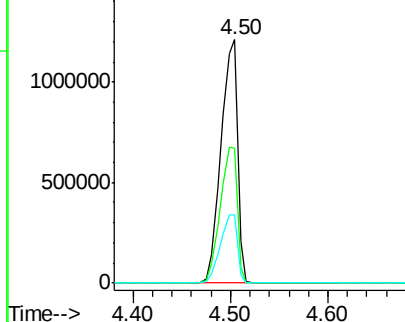


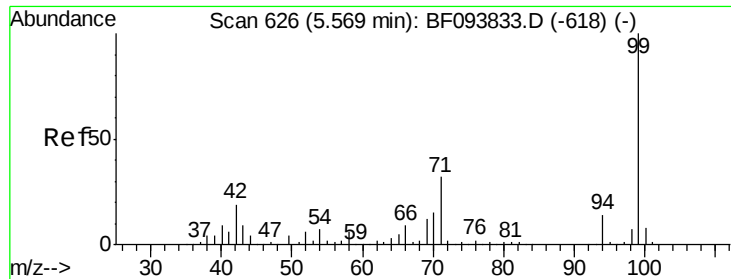
#5  
 2-Fluorophenol  
 Concen: 138.90 ng  
 RT: 4.50 min Scan# 445  
 Delta R.T. 0.00 min  
 Lab File: BF093931.D  
 Acq: 25 Mar 2017 2:36

Tgt Ion:112 Resp: 1426050  
 Ion Ratio Lower Upper  
 112 100  
 64 55.4 46.0 69.0  
 63 28.0 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: 142.70 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093931.D

Acq: 25 Mar 2017 2:36

Instrument :

BNA\_F

ClientSampleId :

B-1

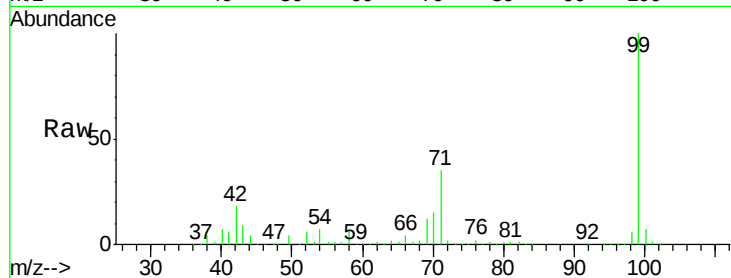
Tot Ion: 99 Resp: 1812410

Ion Ratio Lower Upper

99 100

42 18.3 13.5 20.3

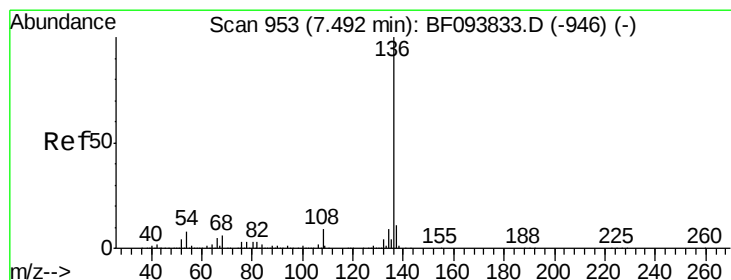
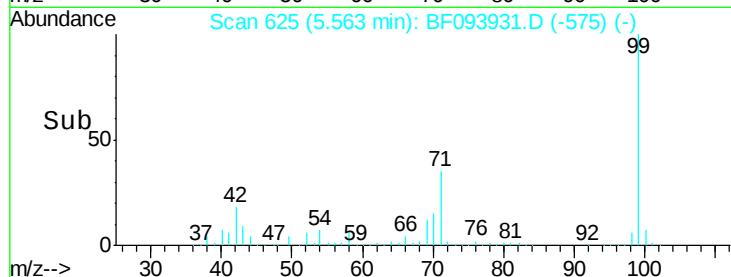
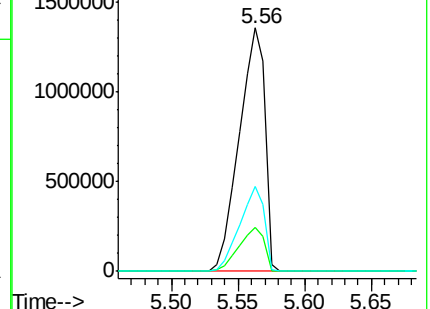
71 34.9 24.5 36.7



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: 7.46 min Scan# 948

Delta R.T. -0.03 min

Lab File: BF093931.D

Acq: 25 Mar 2017 2:36

Tgt Ion: 136 Resp: 686273

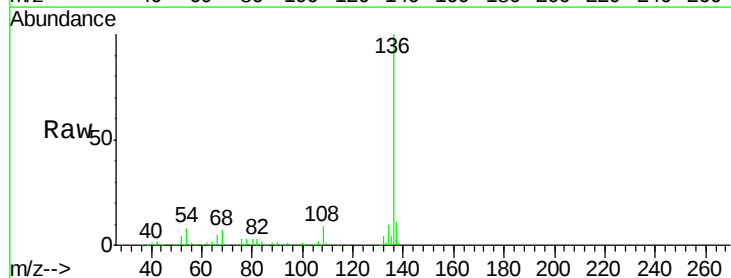
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.6 4.9 7.3#

68 6.7 4.1 6.1#

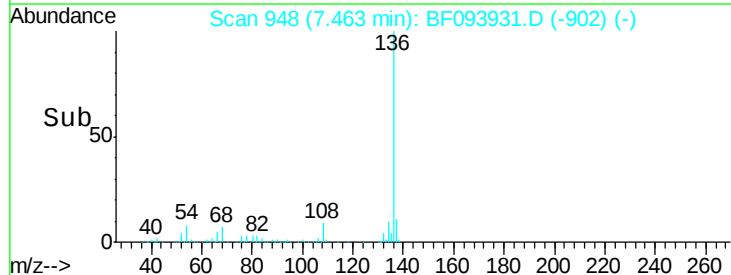
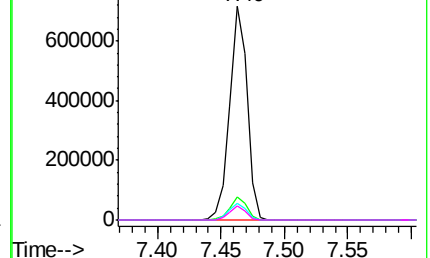


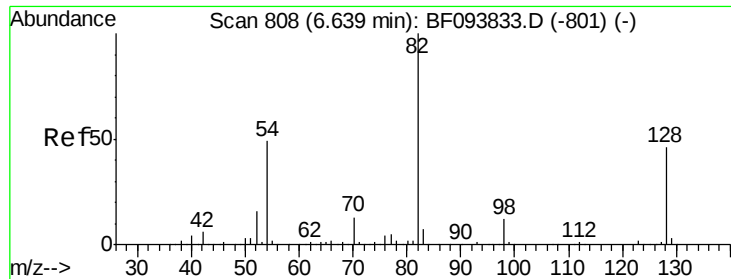
Abundance Ion 136.00 (135.70 to 136.70): E

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

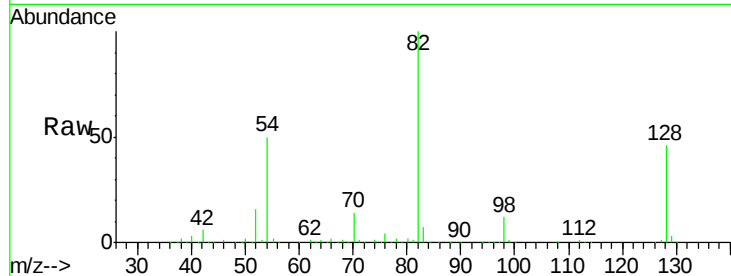




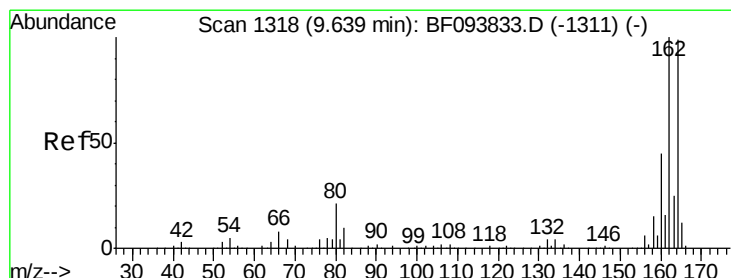
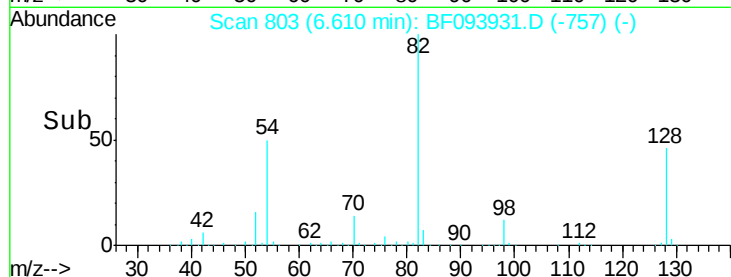
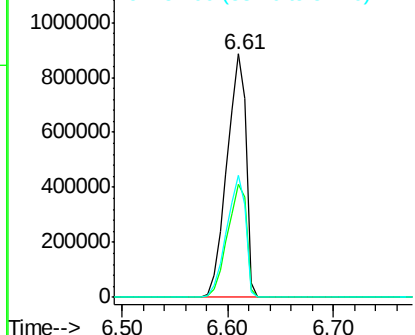
#23  
Nitrobenzene-d5  
Concen: 91.90 ng  
RT: 6.61 min Scan# 803  
Delta R.T. -0.03 min  
Lab File: BF093931.D  
Acq: 25 Mar 2017 2:36

Instrument :  
BNA\_F  
ClientSampleID :  
B-1

Tot Ion: 82 Resp: 1105113  
Ion Ratio Lower Upper  
82 100  
128 46.3 34.0 51.0  
54 50.3 42.2 63.2

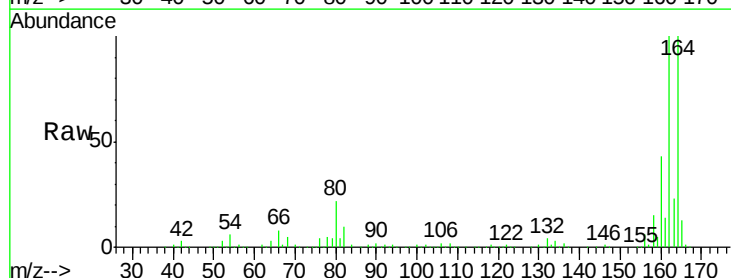


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0

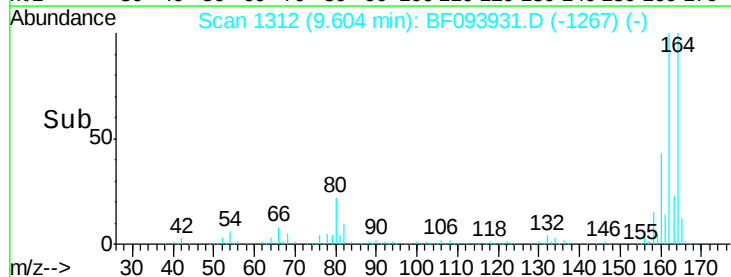
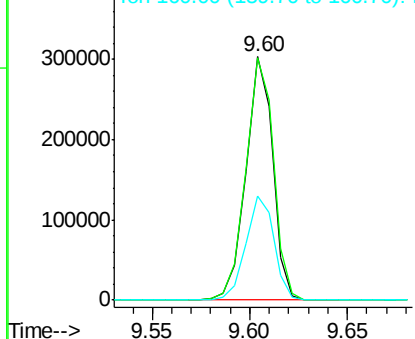


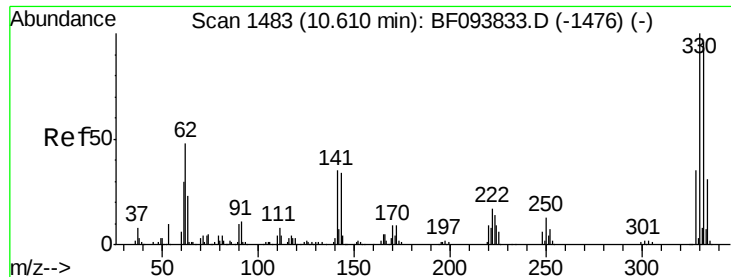
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.60 min Scan# 1312  
Delta R.T. -0.04 min  
Lab File: BF093931.D  
Acq: 25 Mar 2017 2:36

Tgt Ion: 164 Resp: 288701  
Ion Ratio Lower Upper  
164 100  
162 99.7 82.6 123.8  
160 42.7 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): B  
Ion 162.00 (161.70 to 162.70): B  
Ion 160.00 (159.70 to 160.70): B

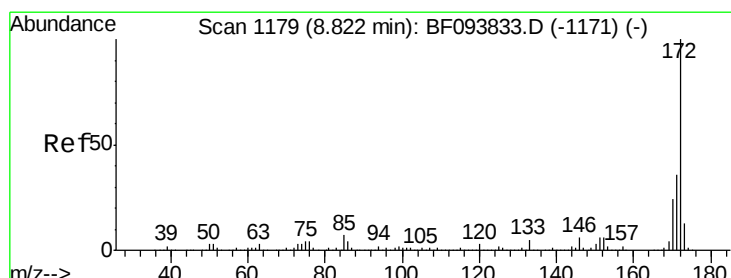
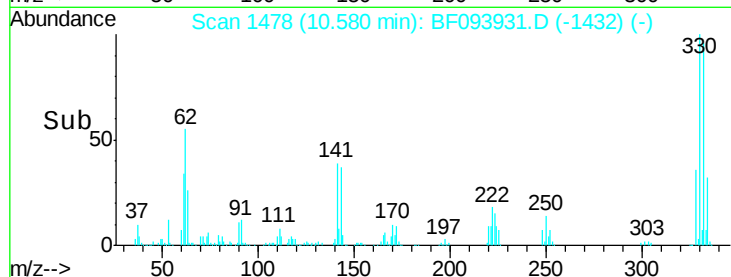
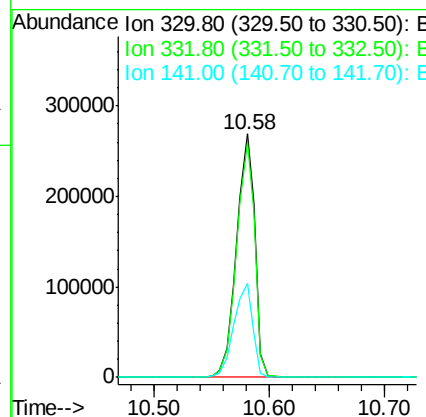
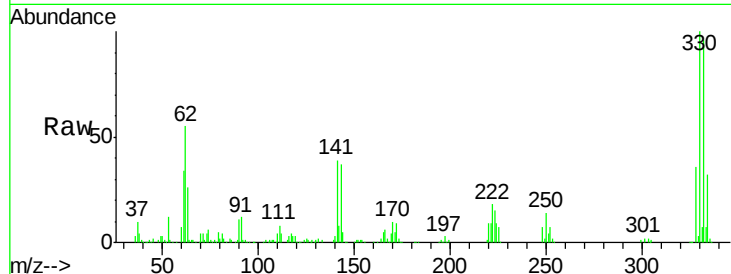




#41  
 2,4,6-Tribromophenol  
 Concen: 129.30 ng  
 RT: 10.58 min Scan# 1478  
 Delta R.T. -0.03 min  
 Lab File: BF093931.D  
 Acq: 25 Mar 2017 2:36

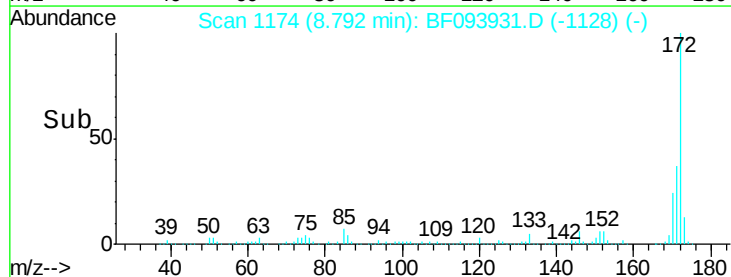
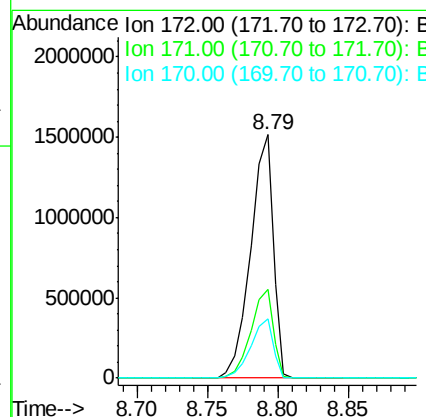
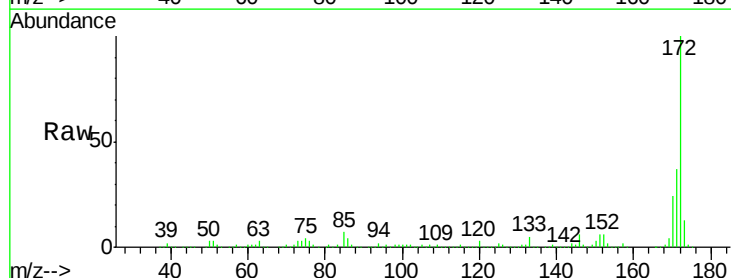
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-1

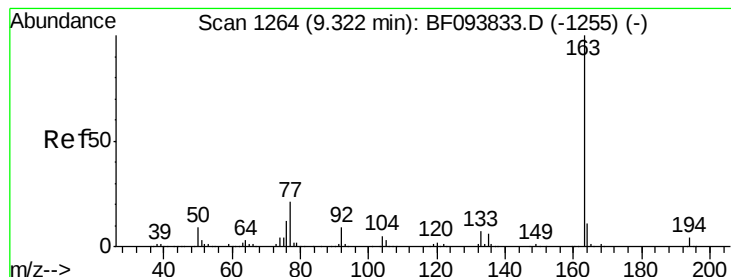
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 76.6  | 115.0 |
| 141     | 39.8  | 31.4  | 47.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 90.31 ng  
 RT: 8.79 min Scan# 1174  
 Delta R.T. -0.03 min  
 Lab File: BF093931.D  
 Acq: 25 Mar 2017 2:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.6  | 44.4  |
| 170     | 24.1  | 19.8  | 29.8  |





#49

Dimethylphthalate

Concen: 8.58 ng

RT: 9.28 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BF093931.D

Acq: 25 Mar 2017 2:36

Instrument :

BNA\_F

ClientSampleId :

B-1

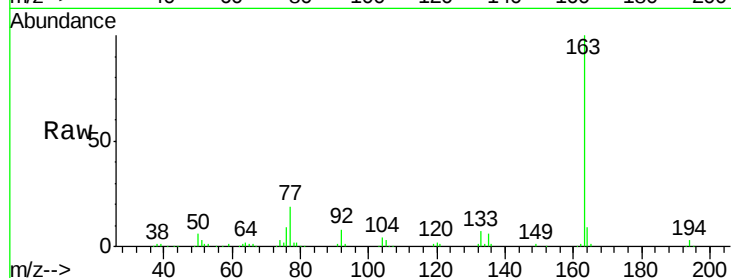
Tot Ion:163 Resp: 176135

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

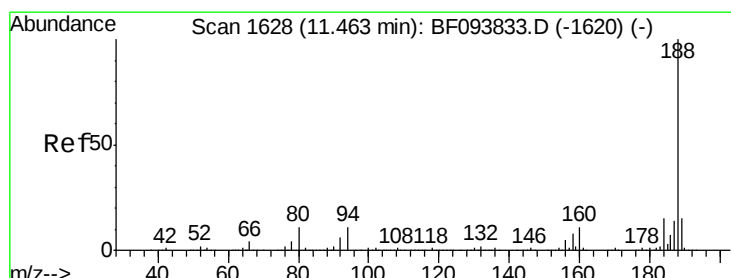
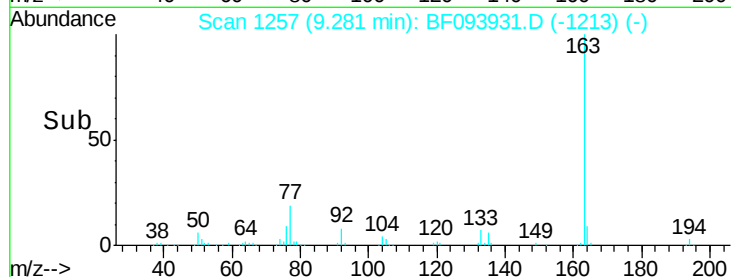
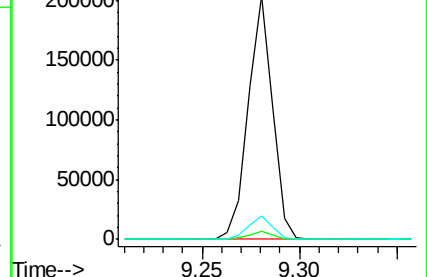
164 9.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.04 min

Lab File: BF093931.D

Acq: 25 Mar 2017 2:36

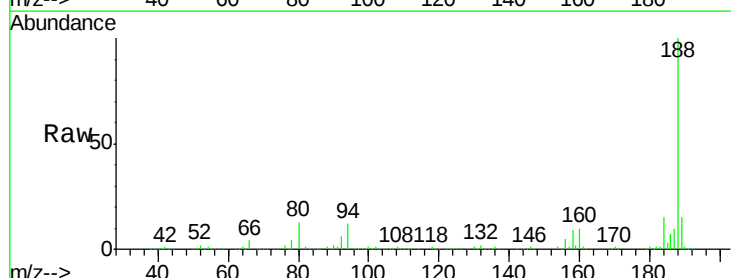
Tgt Ion:188 Resp: 426060

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

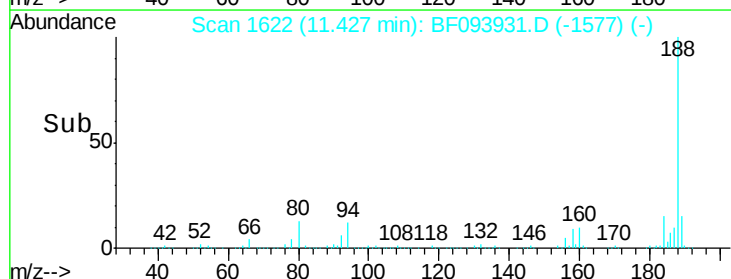
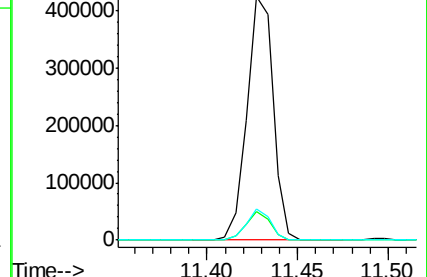
80 12.7 10.2 15.2

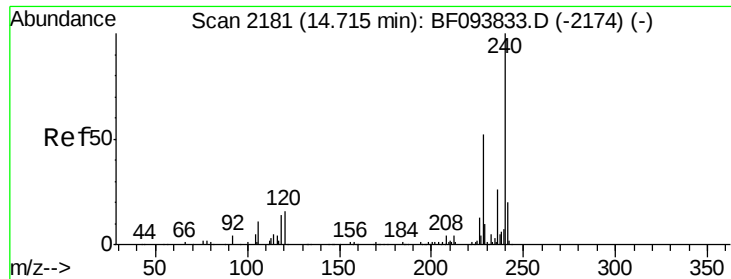


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

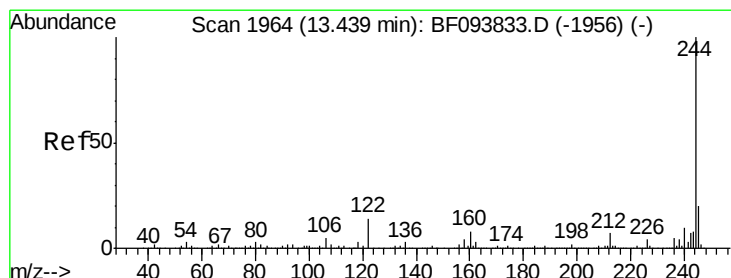
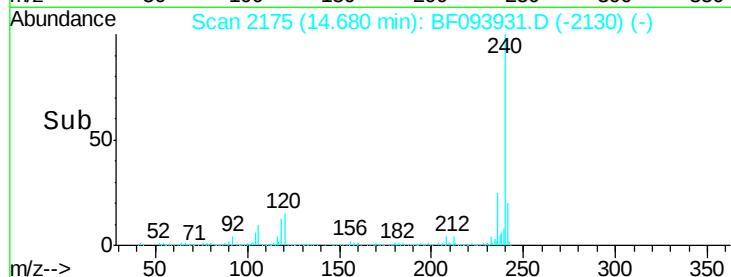
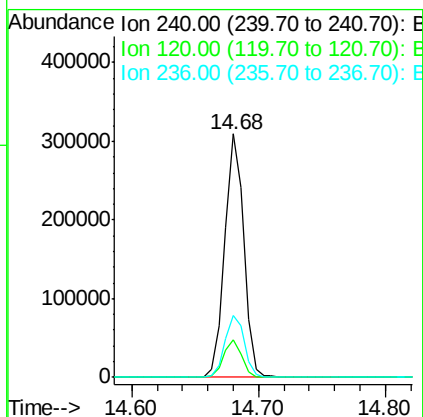
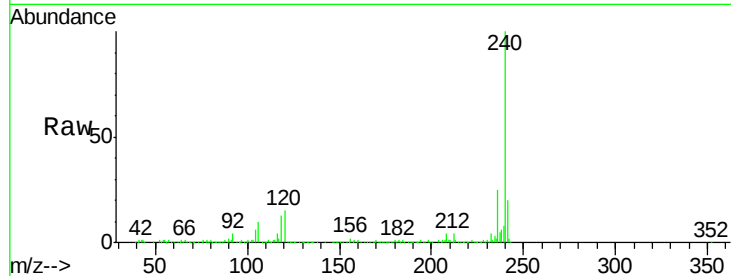




#75  
 Chrvsene-d12  
 Concen: 20.00 ng  
 RT: 14.68 min Scan# 2175  
 Delta R.T. -0.04 min  
 Lab File: BF093931.D  
 Acq: 25 Mar 2017 2:36

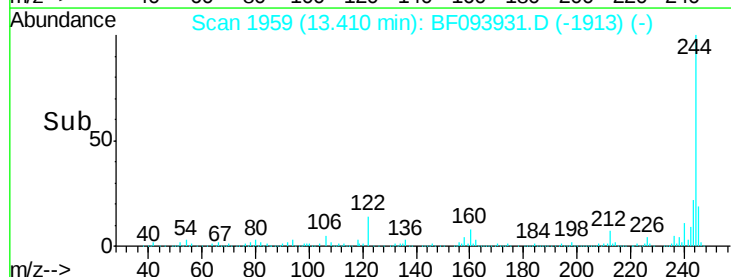
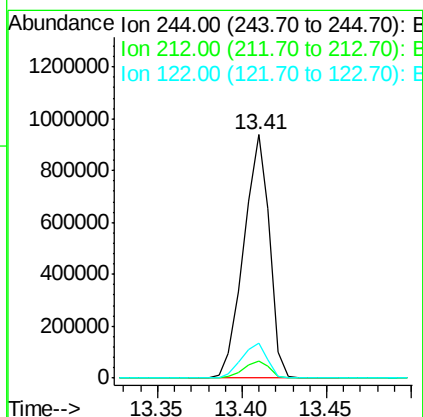
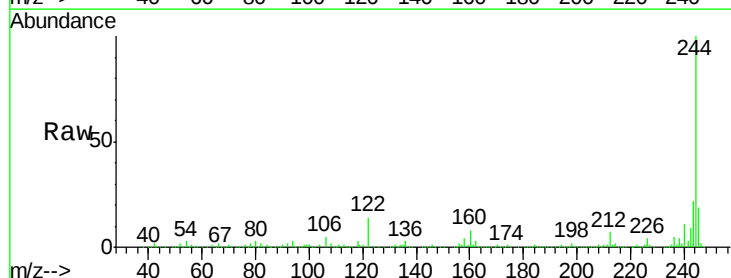
Instrument :  
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 ClientSampleId :  
 B-1

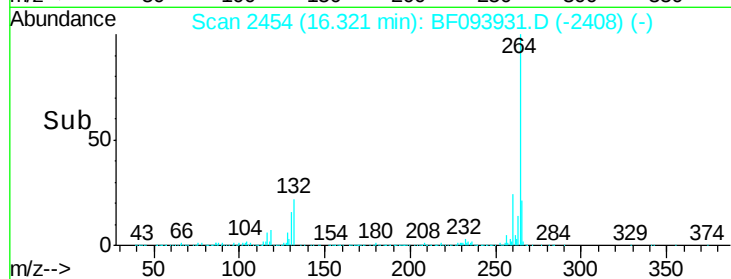
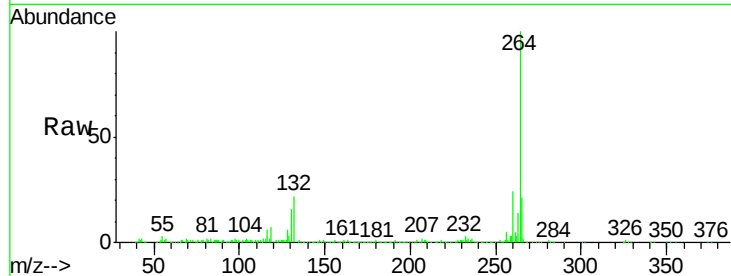
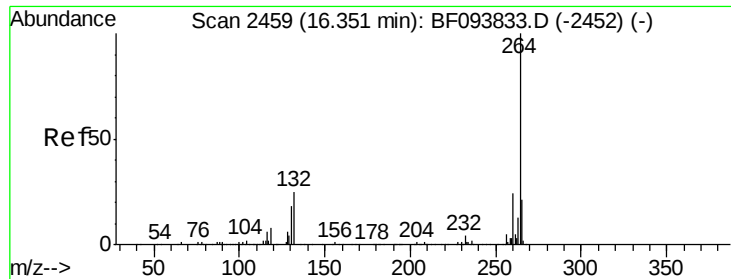
Tot Ion:240 Resp: 322238  
 Ion Ratio Lower Upper  
 240 100  
 120 15.5 5.8 8.8#  
 236 25.3 20.5 30.7



#78  
 Terphenyl-d14  
 Concen: 69.38 ng  
 RT: 13.41 min Scan# 1959  
 Delta R.T. -0.03 min  
 Lab File: BF093931.D  
 Acq: 25 Mar 2017 2:36

Tgt Ion:244 Resp: 997461  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.0 9.0  
 122 14.2 10.3 15.5





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.32 min Scan# 2454

Delta R.T. -0.03 min

Lab File: BF093931.D

Acq: 25 Mar 2017 2:36

Instrument :

BNA\_F

ClientSampleId :

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Tot Ion:264 Resp: 258298

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 21.3 17.2 25.8

