

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\  
 Data File : BF093568.D  
 Acq On : 11 Mar 2017 15:42  
 Operator : SJ/MA  
 Sample : PB97524BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97524BL

Quant Time: Mar 13 15:36:02 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 13 15:05:08 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 178256   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.00  | 136  | 740599   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.75  | 164  | 349112   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.24 | 188  | 672630   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.88 | 240  | 556639   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.27 | 264  | 414687   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 1494803  | 139.57 | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 1654764  | 122.52 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 1119477  | 83.87  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 331234   | 145.63 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 1844322  | 98.26  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.82 | 244  | 1632457  | 76.25  | ng    | 0.00     |

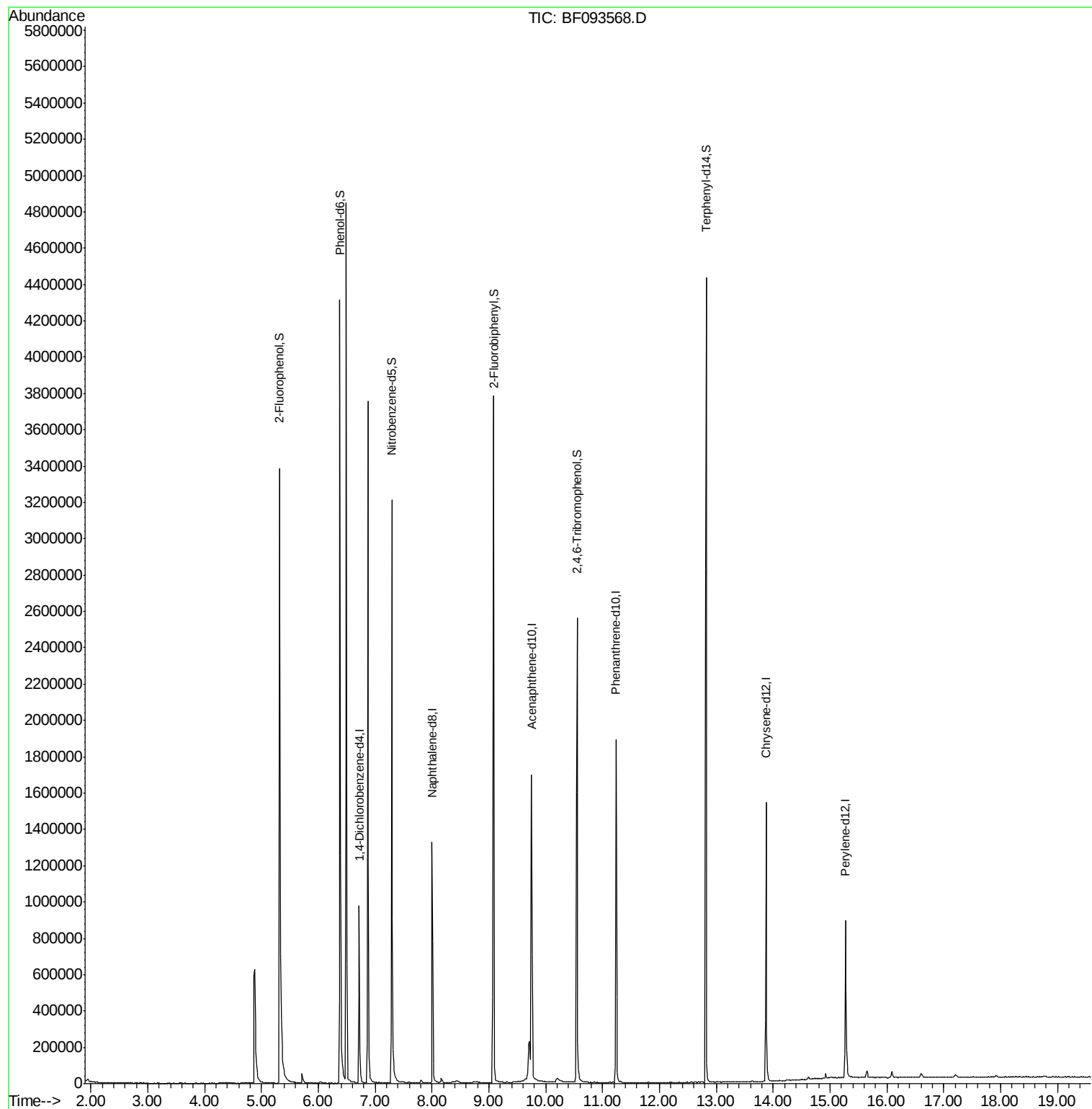
Target Compounds Qvalue

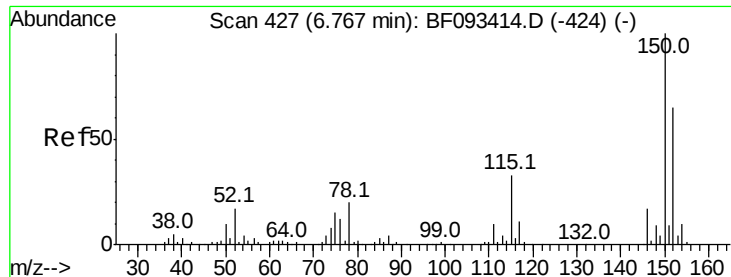
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 13 15:05:08 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF093568.D

Acq: 11 Mar 2017 15:42

Instrument :

BNA\_F

ClientSampleId :

PB97524BL

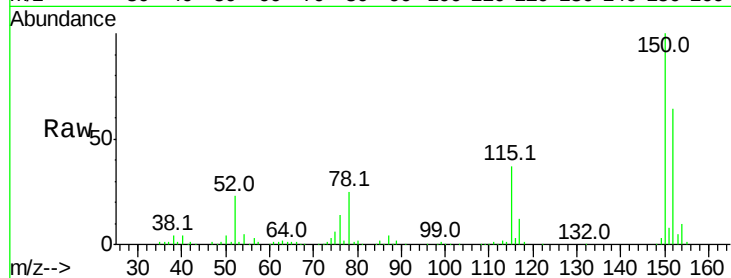
Tot Ion:152 Resp: 178256

Ion Ratio Lower Upper

152 100

150 157.2 124.9 187.3

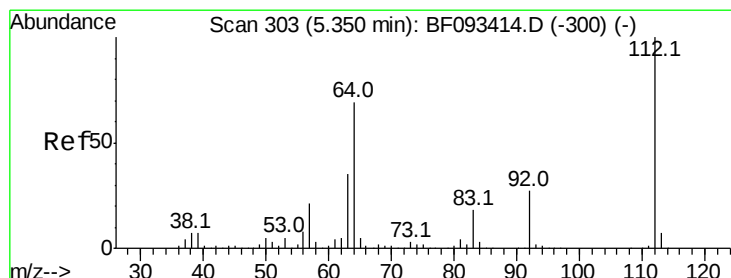
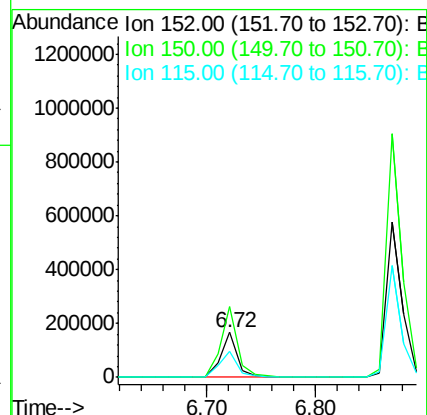
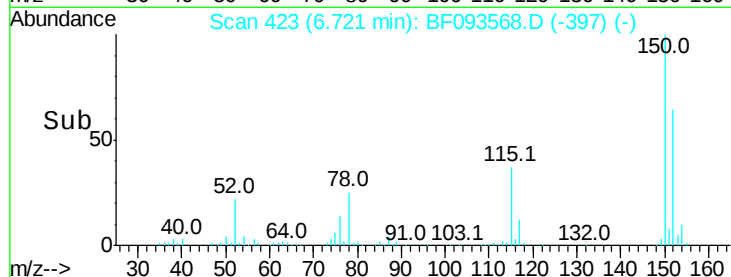
115 57.6 46.0 69.0



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: 139.57 ng

RT: 5.32 min Scan# 300

Delta R.T. -0.00 min

Lab File: BF093568.D

Acq: 11 Mar 2017 15:42

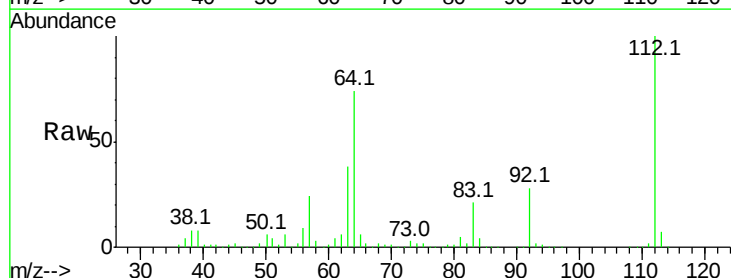
Tgt Ion:112 Resp: 1494803

Ion Ratio Lower Upper

112 100

64 74.5 46.1 69.1#

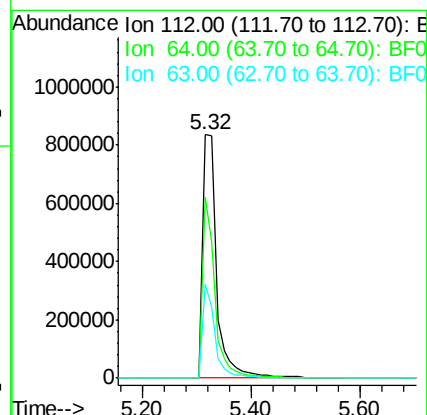
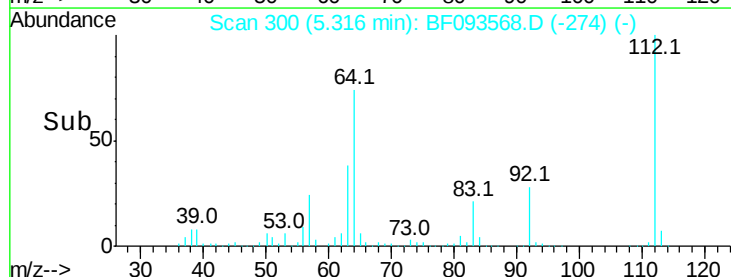
63 38.5 23.8 35.6#

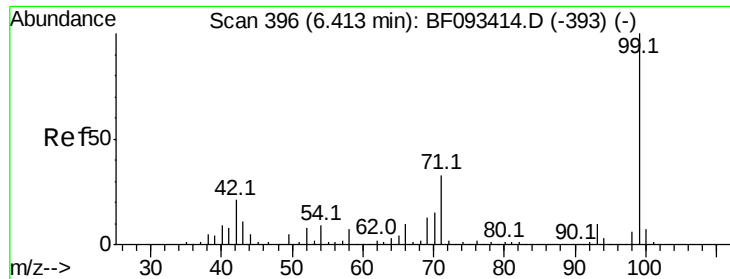


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.52 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093568.D

Acq: 11 Mar 2017 15:42

Instrument :

BNA\_F

ClientSampleId :

PB97524BL

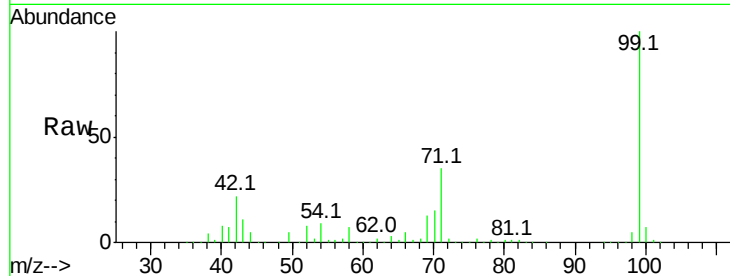
Tot Ion: 99 Resp: 1654764

Ion Ratio Lower Upper

99 100

42 21.5 15.6 23.4

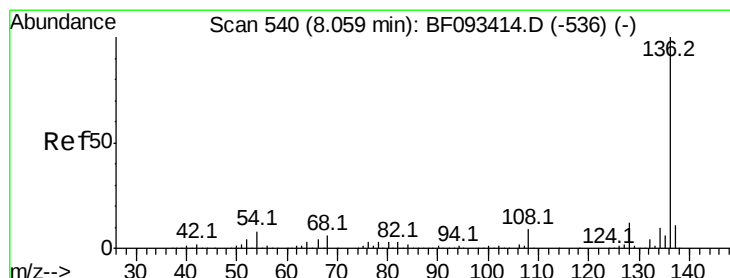
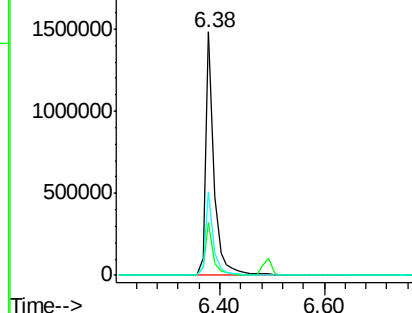
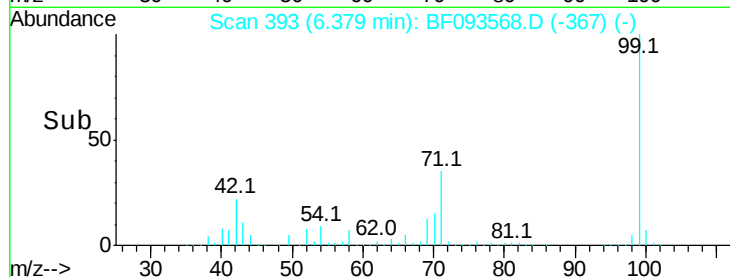
71 34.6 27.5 41.3



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: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093568.D

Acq: 11 Mar 2017 15:42

Tgt Ion: 136 Resp: 740599

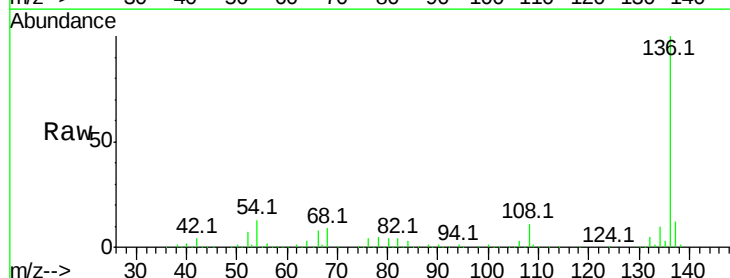
Ion Ratio Lower Upper

136 100

137 11.7 8.4 12.6

54 13.2 4.5 6.7#

68 9.3 3.6 5.4#

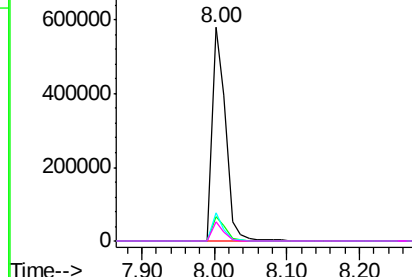
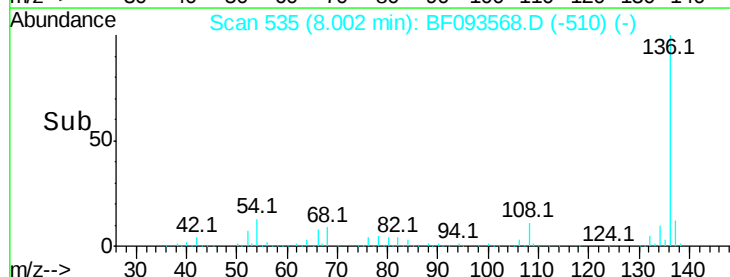


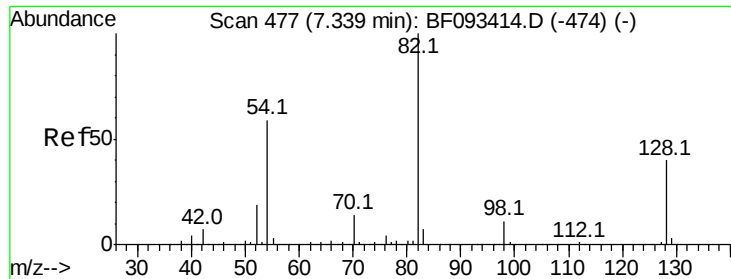
Abundance Ion 136.00 (135.70 to 136.70): E

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

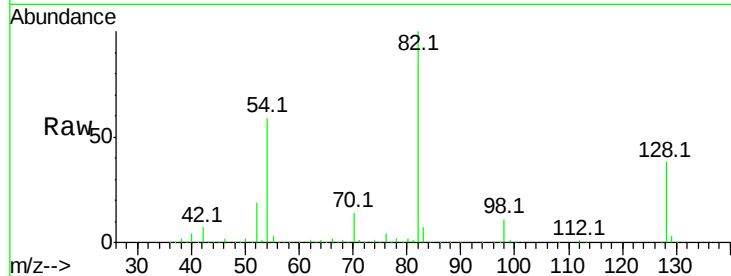




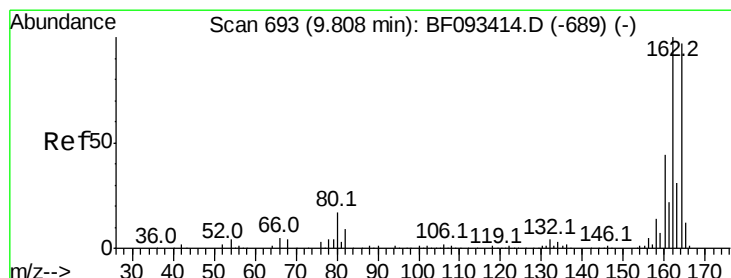
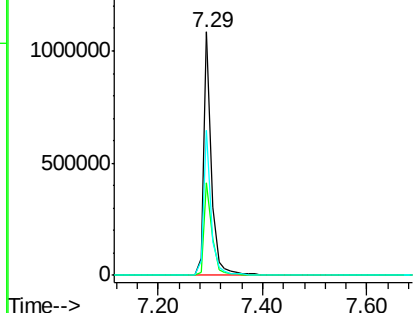
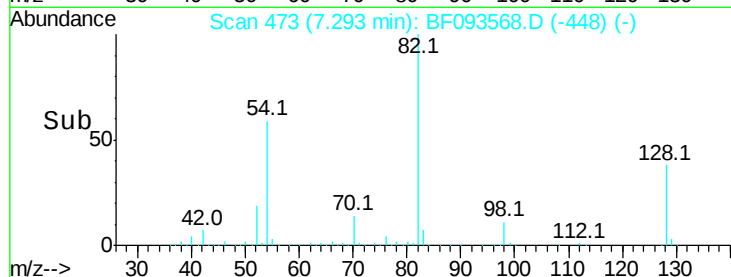
#23  
 Nitrobenzene-d5  
 Concen: 83.87 ng  
 RT: 7.29 min Scan# 473  
 Delta R.T. -0.01 min  
 Lab File: BF093568.D  
 Acq: 11 Mar 2017 15:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97524BL

Tot Ion: 82 Resp: 1119477  
 Ion Ratio Lower Upper  
 82 100  
 128 38.2 34.6 52.0  
 54 59.3 39.5 59.3#

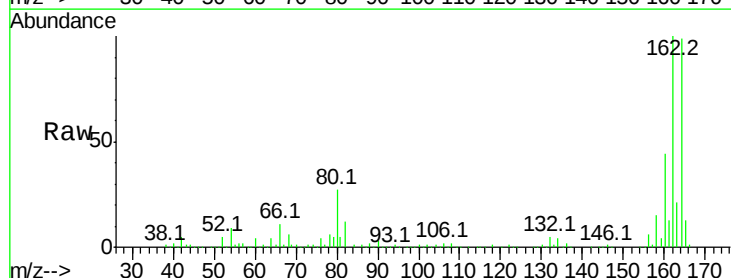


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

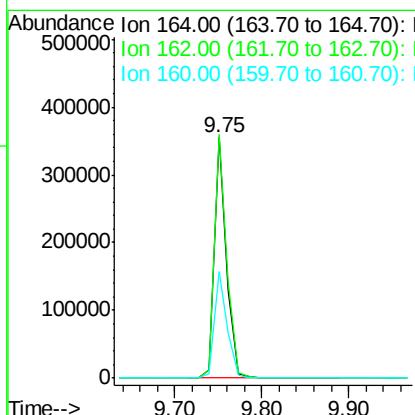
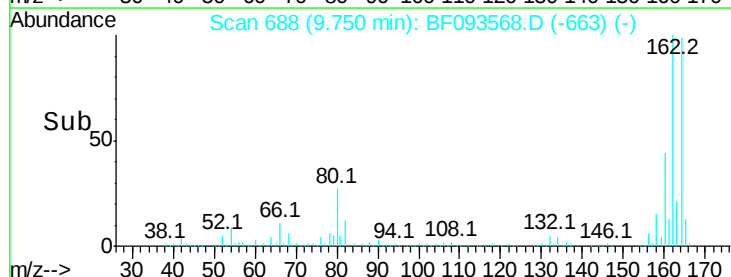


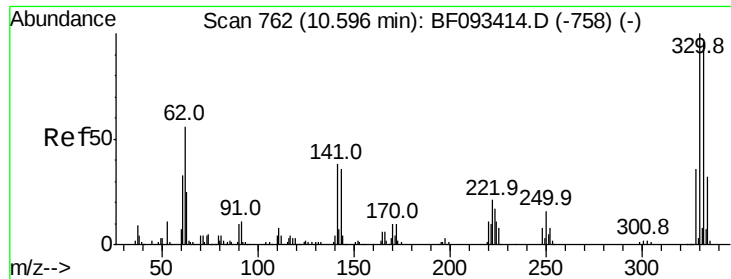
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.75 min Scan# 688  
 Delta R.T. -0.01 min  
 Lab File: BF093568.D  
 Acq: 11 Mar 2017 15:42

Tgt Ion:164 Resp: 349112  
 Ion Ratio Lower Upper  
 164 100  
 162 101.0 80.2 120.2  
 160 44.3 36.9 55.3



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

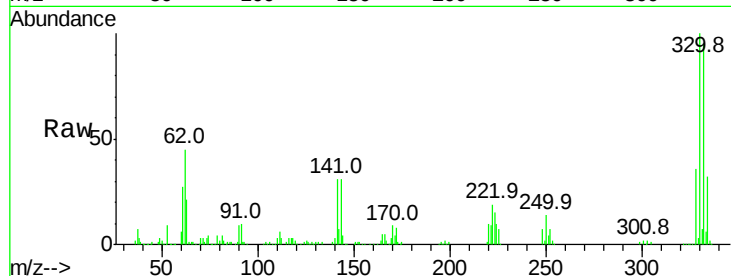




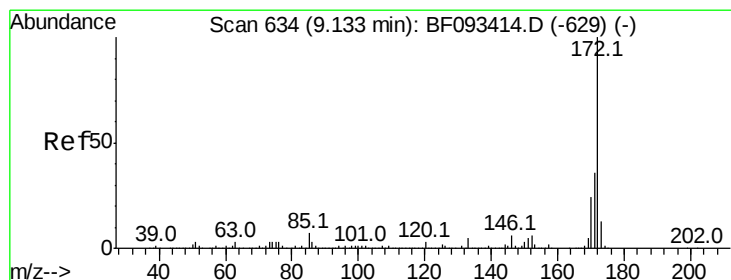
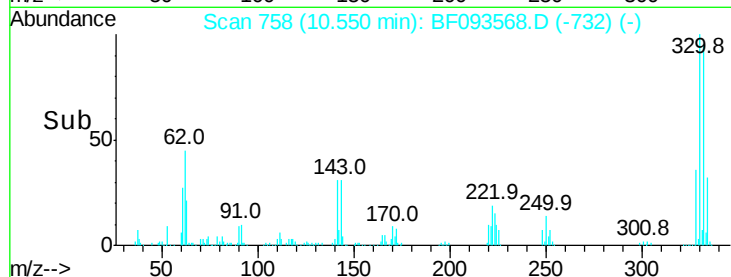
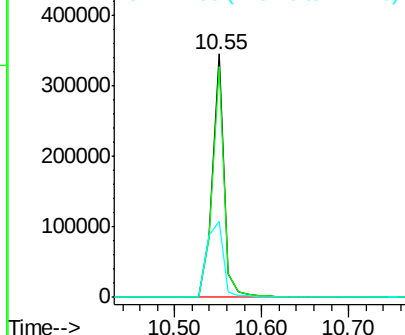
#41  
 2,4,6-Tribromophenol  
 Concen: 145.63 ng  
 RT: 10.55 min Scan# 758  
 Delta R.T. -0.00 min  
 Lab File: BF093568.D  
 Acq: 11 Mar 2017 15:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97524BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.4  | 116.2 |
| 141     | 44.3  | 34.1  | 51.1  |

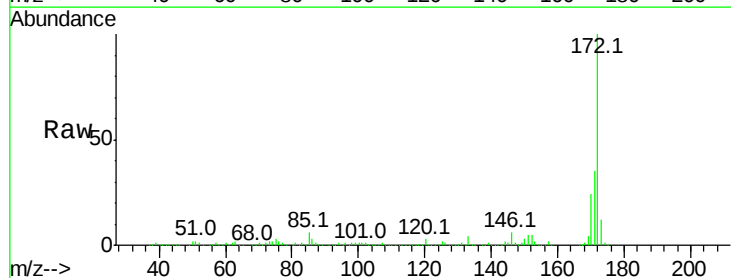


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

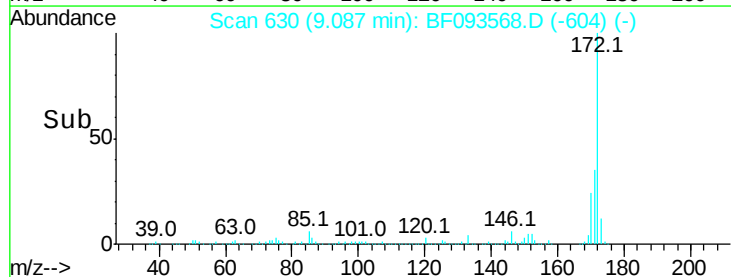
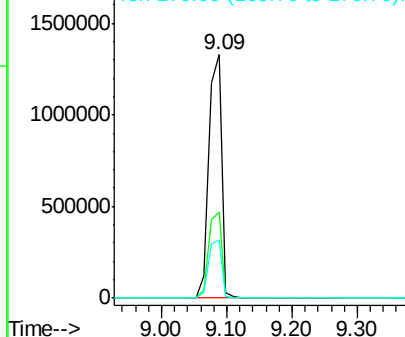


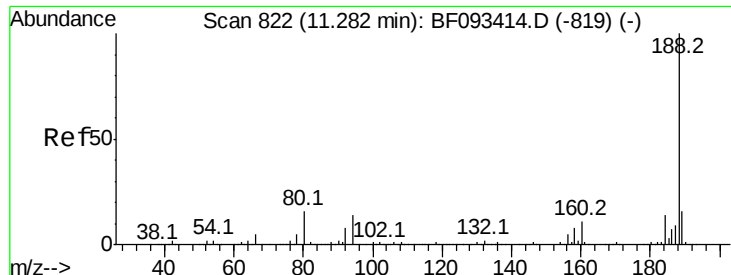
#44  
 2-Fluorobiphenyl  
 Concen: 98.26 ng  
 RT: 9.09 min Scan# 630  
 Delta R.T. -0.00 min  
 Lab File: BF093568.D  
 Acq: 11 Mar 2017 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 29.4  | 44.0  |
| 170     | 24.0  | 20.2  | 30.4  |



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

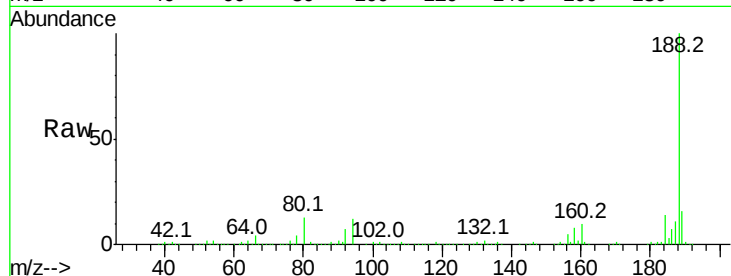




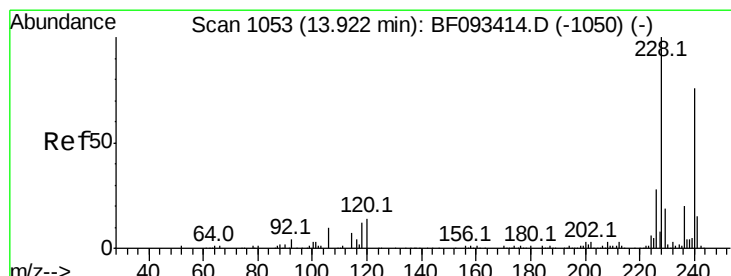
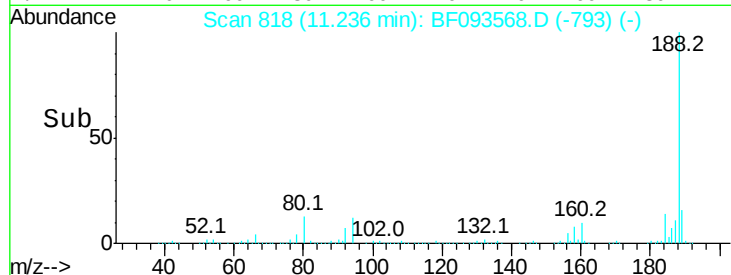
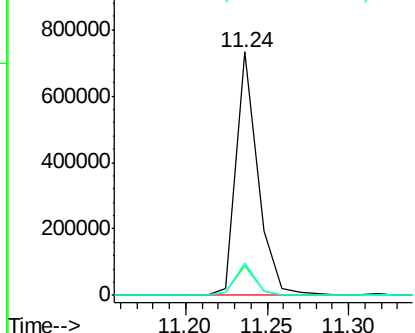
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.24 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BF093568.D  
Acq: 11 Mar 2017 15:42

Instrument :  
BNA\_F  
ClientSampleId :  
PB97524BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.2  | 10.0  | 15.0  |
| 80      | 13.2  | 11.2  | 16.8  |

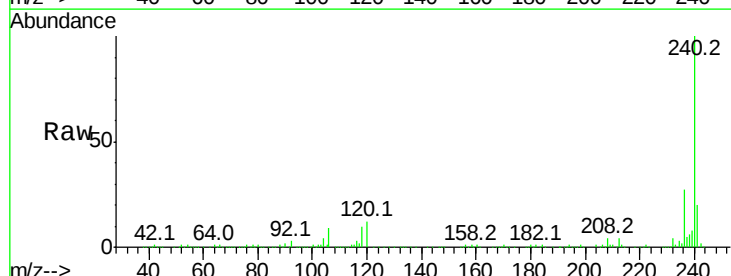


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

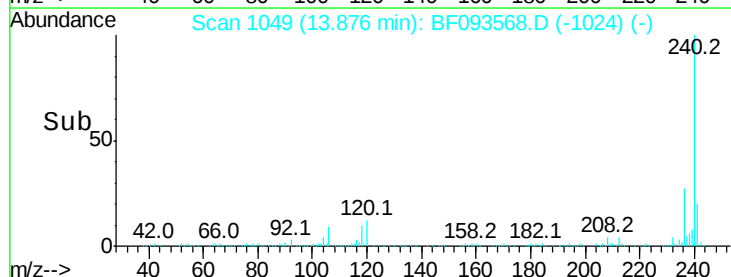
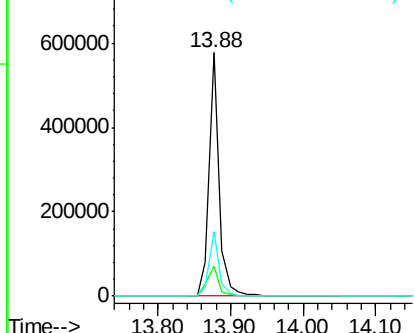


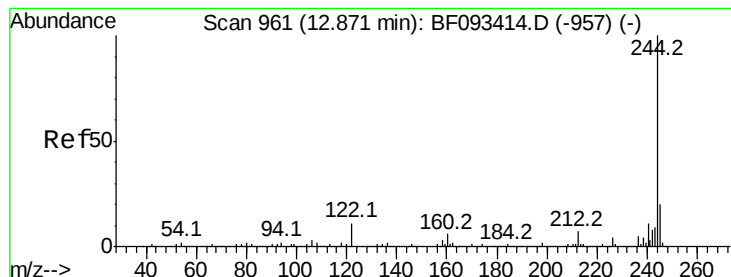
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.88 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: BF093568.D  
Acq: 11 Mar 2017 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.0  | 12.9  | 19.3# |
| 236     | 26.5  | 20.9  | 31.3  |



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: 76.25 ng

RT: 12.82 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093568.D

Acq: 11 Mar 2017 15:42

Instrument :

BNA\_F

ClientSampleId :

PB97524BL

Tot Ion:244 Resp: 1632457

Ion Ratio Lower Upper

244 100

212 7.8

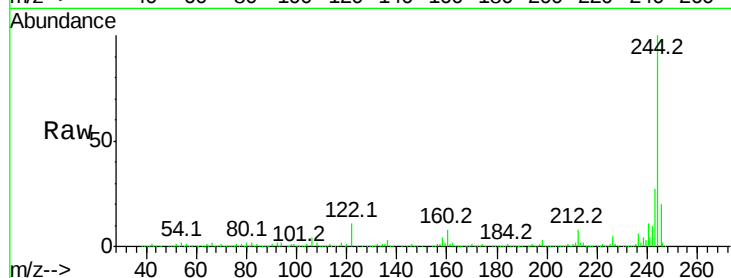
6.2

9.2

122 10.7

11.4

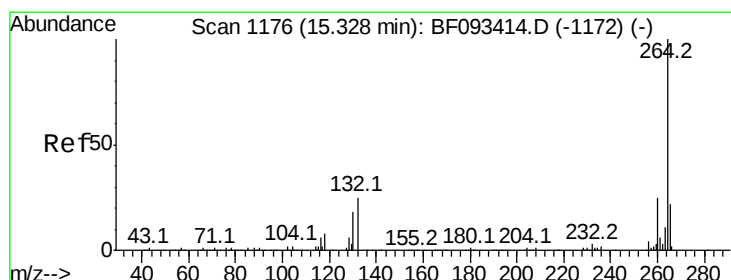
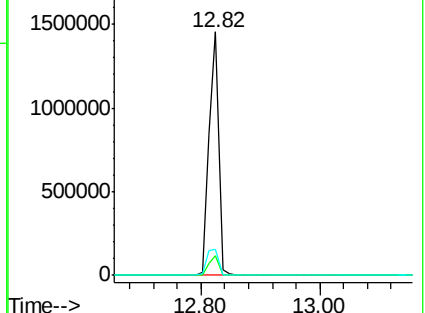
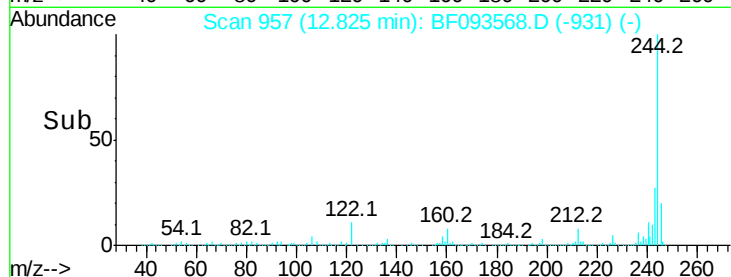
17.2#



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: 15.27 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF093568.D

Acq: 11 Mar 2017 15:42

Tgt Ion:264 Resp: 414687

Ion Ratio Lower Upper

264 100

260 24.9

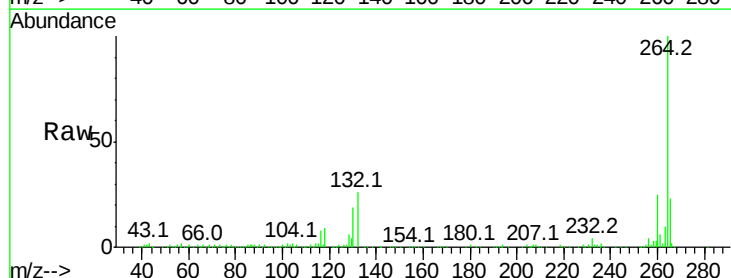
19.2

28.8

265 22.6

17.4

26.0



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

