

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\  
 Data File : BF104586.D  
 Acq On : 18 Apr 2018 2:20  
 Operator : JU/SJ  
 Sample : PB108302BL  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108302BL

Quant Time: Apr 18 03:22:59 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 17 17:08:38 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 141415   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 562687   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.84  | 164  | 238723   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.33 | 188  | 369531   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 288039   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.43 | 264  | 211836   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 1010098  | 109.22 | ng    | 0.01     |
| 7) Phenol-d6                | 6.45  | 99   | 1235941  | 108.76 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 775152   | 89.95  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 256459   | 103.56 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 1269838  | 84.03  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 1028398  | 81.40  | ng    | 0.00     |

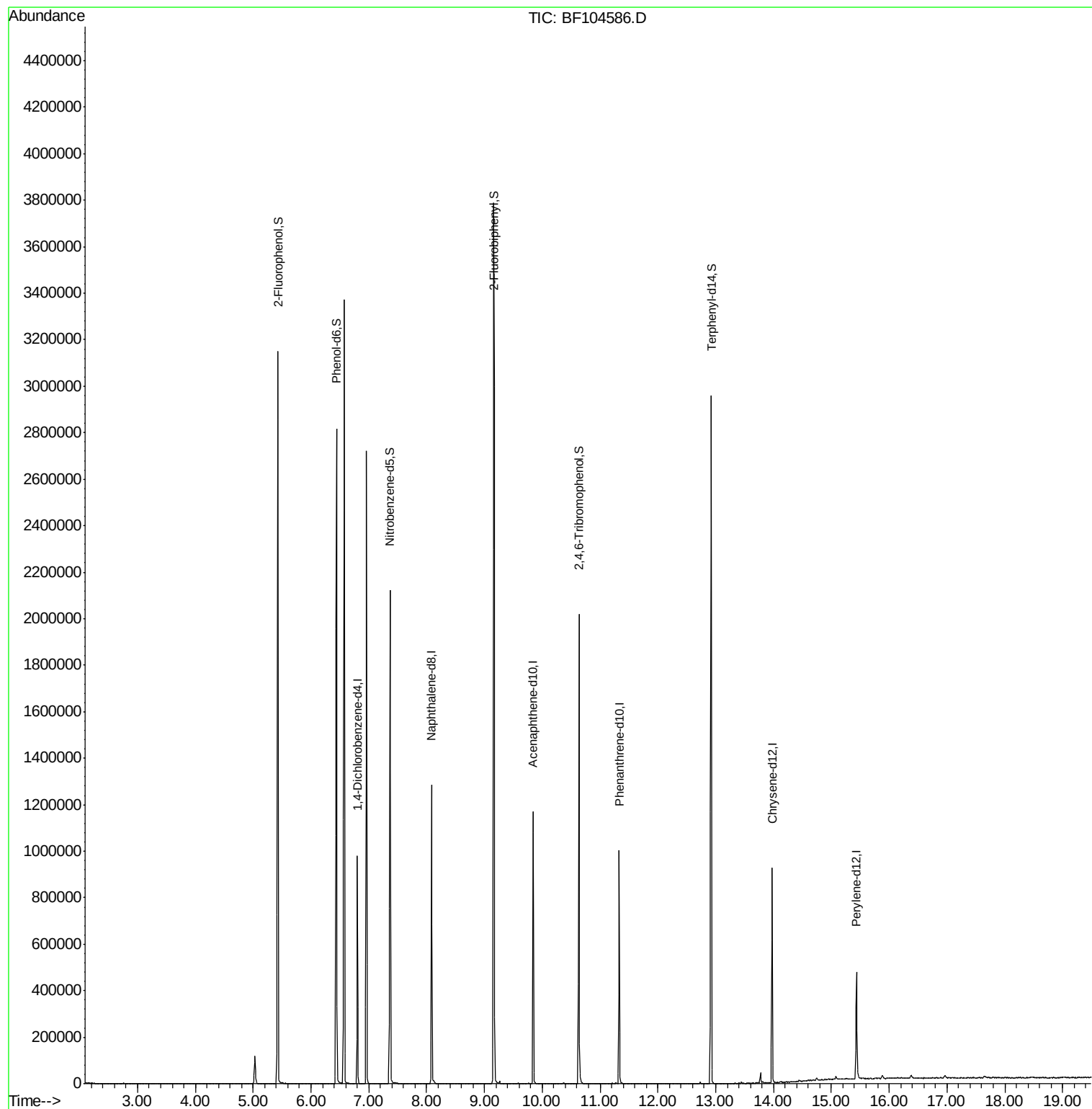
Target Compounds Qvalue

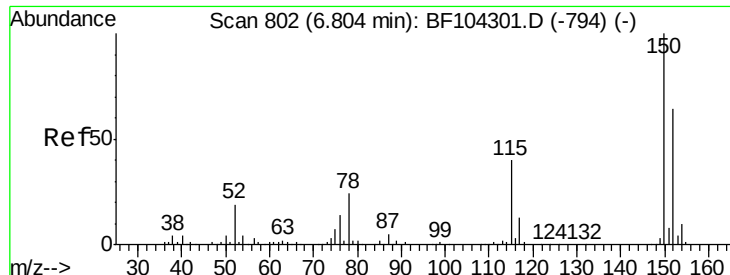
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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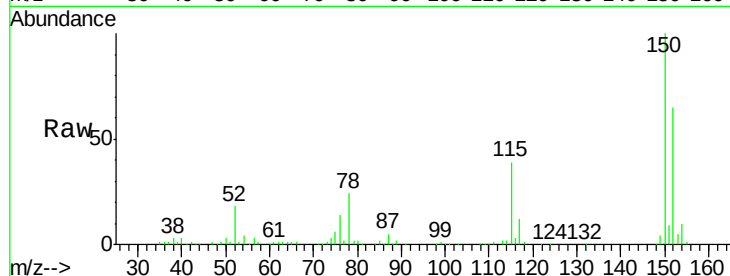


#1

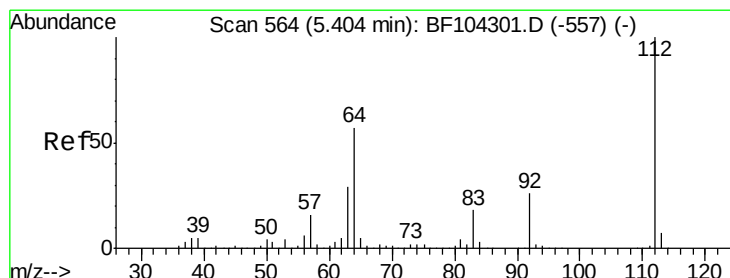
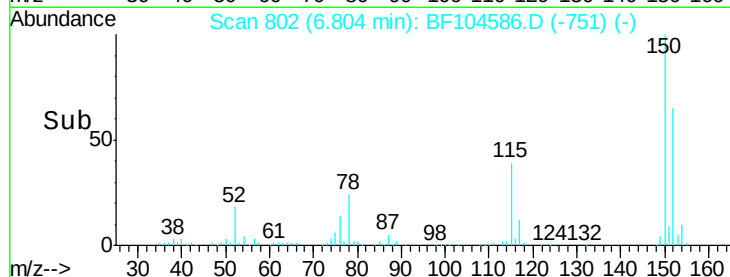
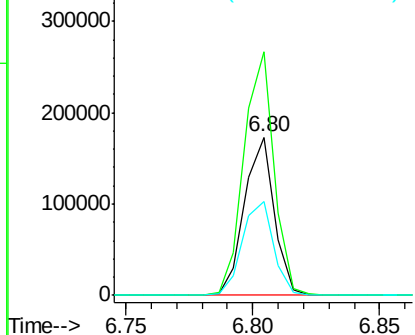
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.80 min Scan# 802  
 Delta R.T. 0.00 min  
 Lab File: BF104586.D  
 Acq: 18 Apr 2018 2:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108302BL

Tot Ion:152 Resp: 141415  
 Ion Ratio Lower Upper  
 152 100  
 150 154.3 124.6 186.8  
 115 59.8 50.1 75.1



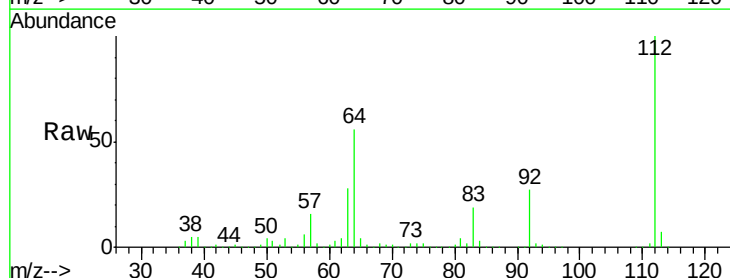
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



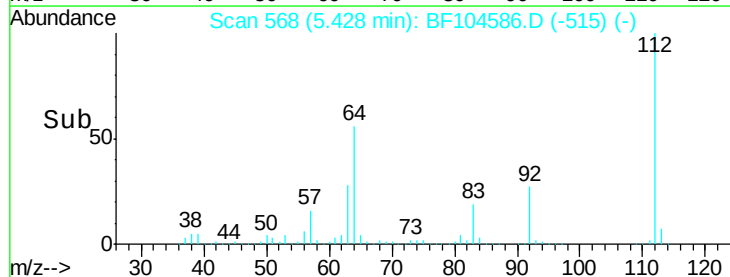
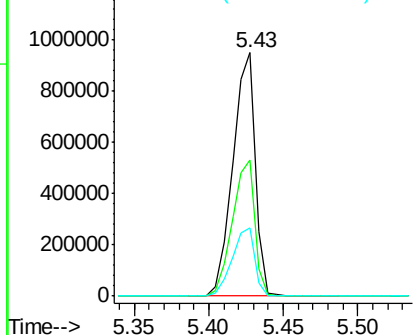
#5

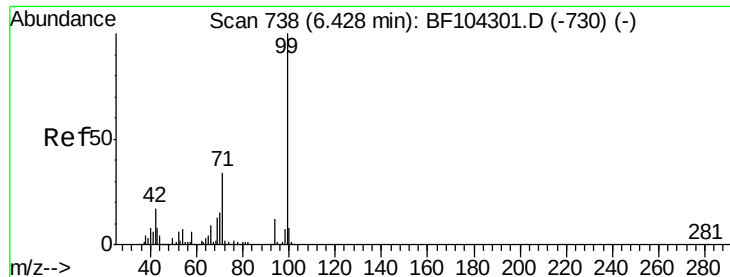
2-Fluorophenol  
 Concen: 109.217 ng  
 RT: 5.43 min Scan# 568  
 Delta R.T. 0.01 min  
 Lab File: BF104586.D  
 Acq: 18 Apr 2018 2:20

Tgt Ion:112 Resp: 1010098  
 Ion Ratio Lower Upper  
 112 100  
 64 55.7 47.9 71.9  
 63 28.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 108.765 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104586.D

Acq: 18 Apr 2018 2:20

Instrument :

BNA\_F

ClientSampleId :

PB108302BL

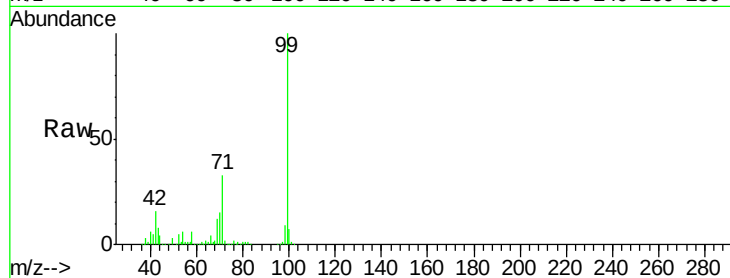
Tot Ion: 99 Resp: 1235941

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

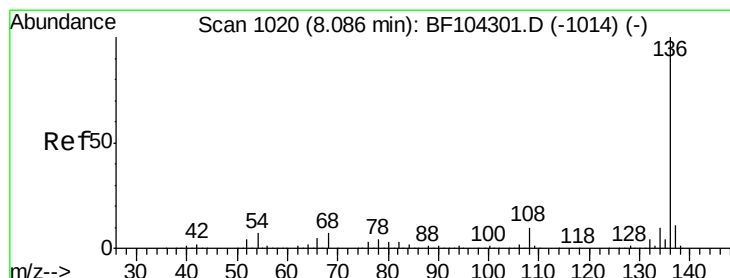
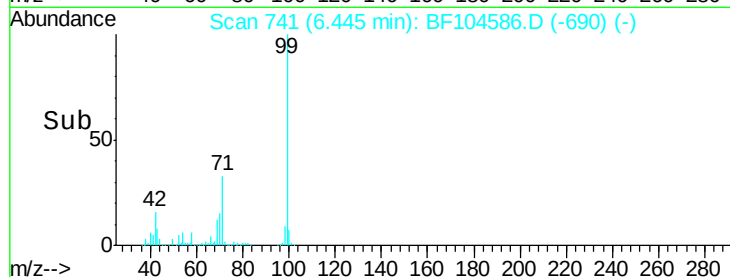
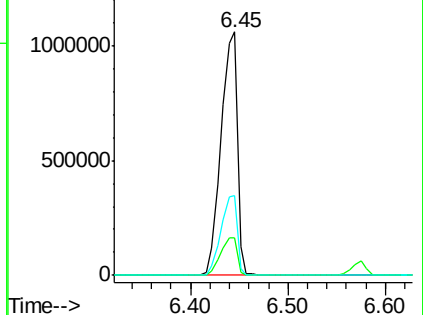
71 32.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104586.D

Acq: 18 Apr 2018 2:20

Tgt Ion: 136 Resp: 562687

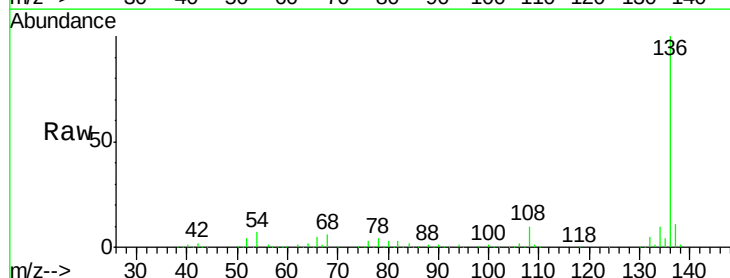
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.2 6.6 9.8

68 6.4 5.0 7.4

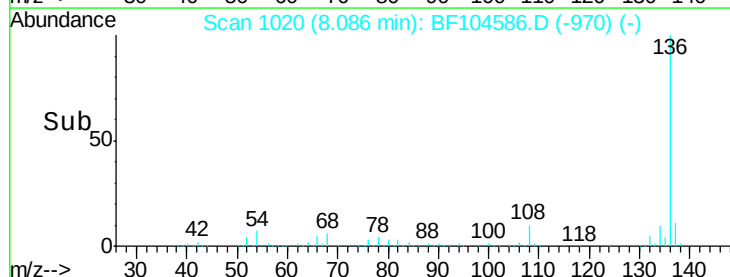
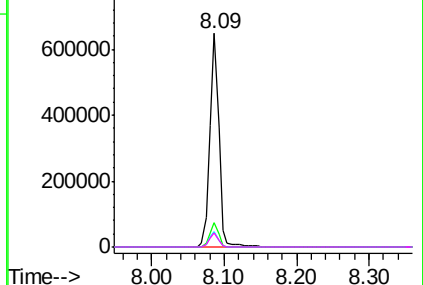


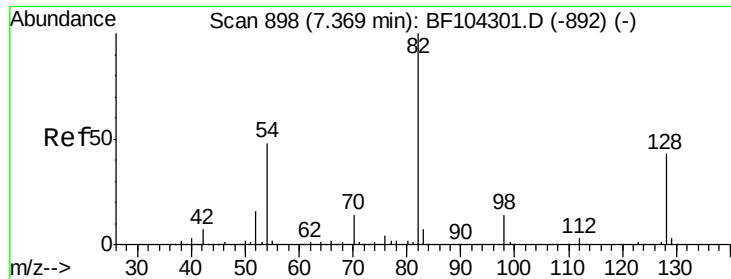
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

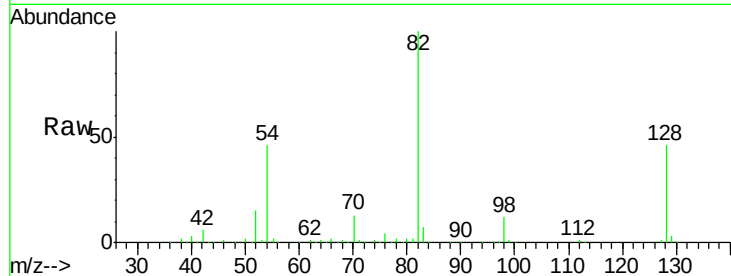




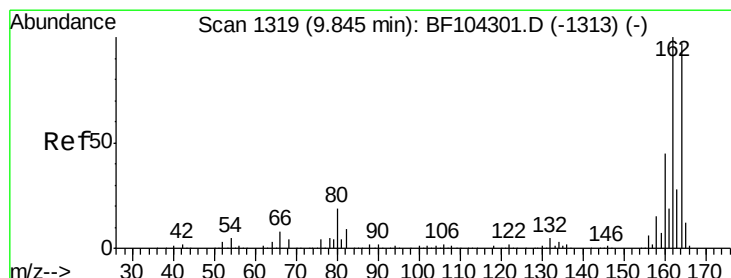
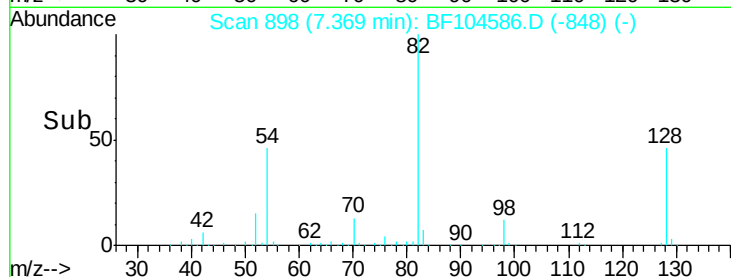
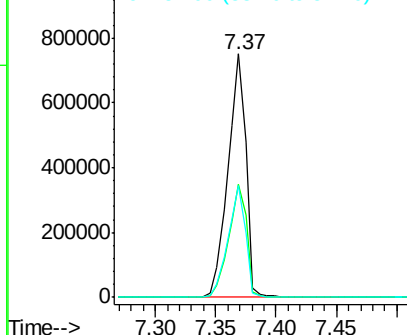
#23  
 Nitrobenzene-d5  
 Concen: 89.954 ng  
 RT: 7.37 min Scan# 898  
 Delta R.T. -0.01 min  
 Lab File: BF104586.D  
 Acq: 18 Apr 2018 2:20

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB108302BL

| Tot Ion   | 82   | Resp  | 775152 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.2 | 36.1  | 54.1   |
| 54        | 45.7 | 41.4  | 62.2   |

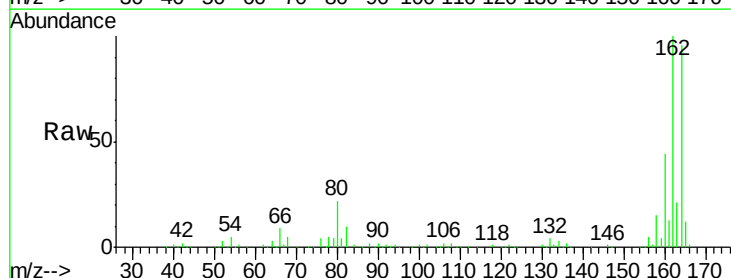


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

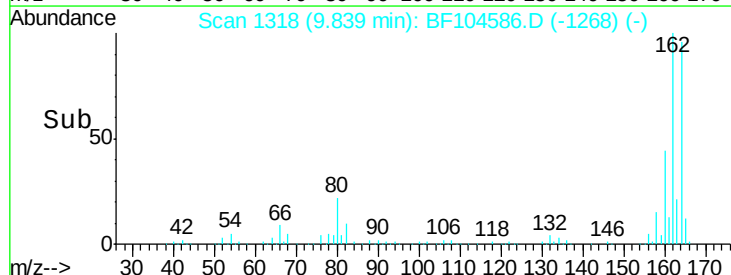
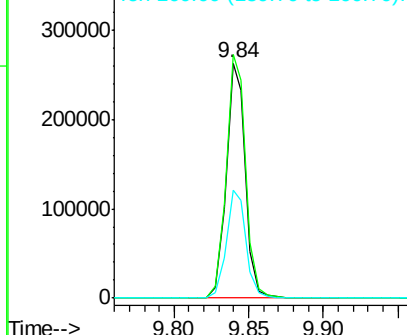


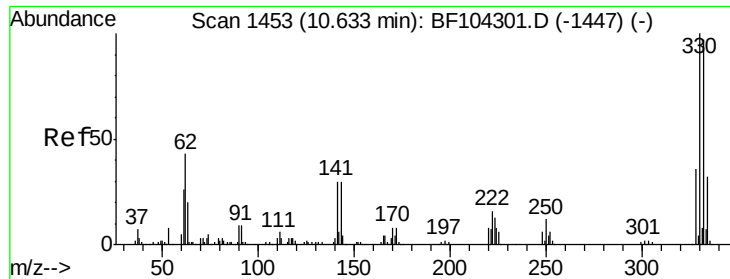
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.84 min Scan# 1318  
 Delta R.T. -0.01 min  
 Lab File: BF104586.D  
 Acq: 18 Apr 2018 2:20

| Tgt Ion   | 164   | Resp  | 238723 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 103.7 | 86.1  | 129.1  |
| 160       | 46.0  | 38.3  | 57.5   |



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

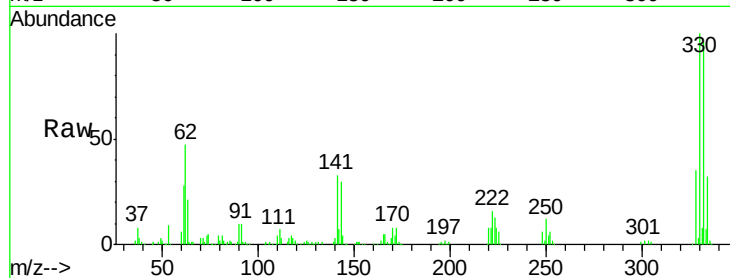




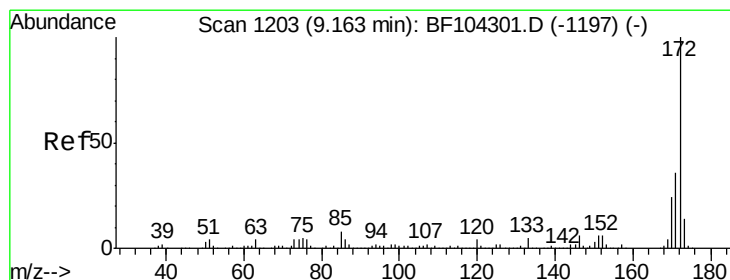
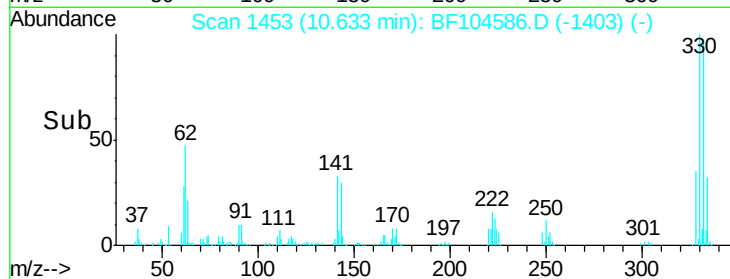
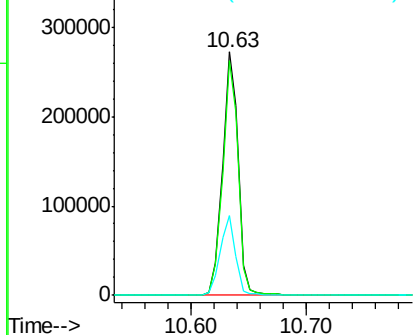
#41  
 2,4,6-Tribromophenol  
 Concen: 103.564 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. -0.01 min  
 Lab File: BF104586.D  
 Acq: 18 Apr 2018 2:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108302BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 77.0  | 115.6 |
| 141     | 32.1  | 29.9  | 44.9  |

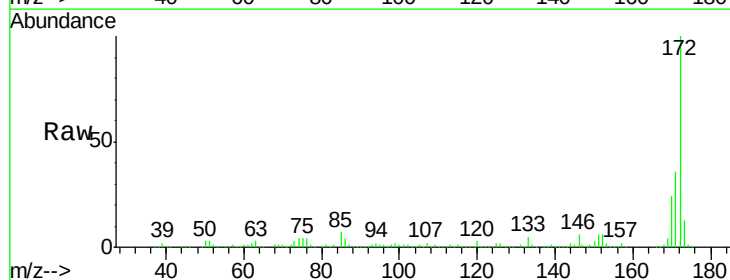


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

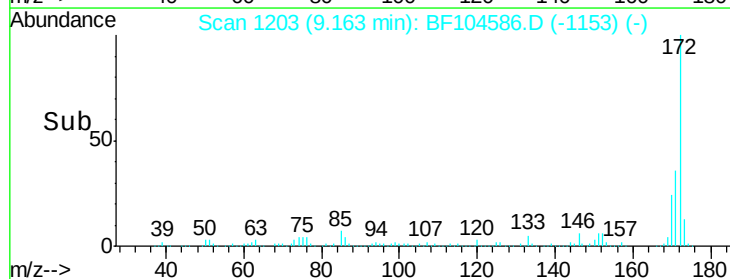
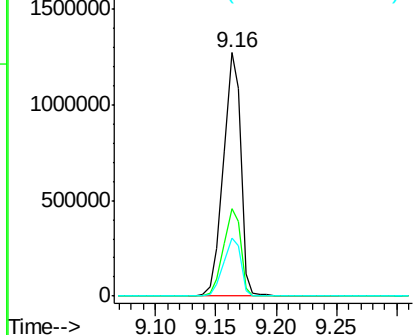


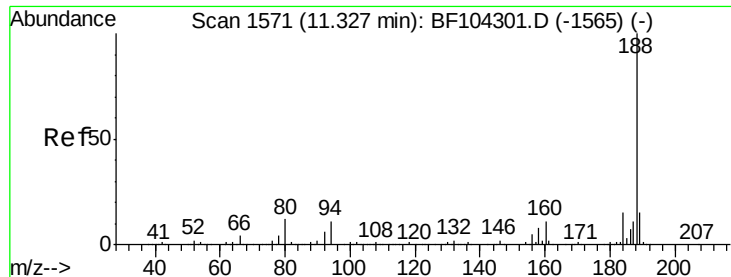
#44  
 2-Fluorobiphenyl  
 Concen: 84.032 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: BF104586.D  
 Acq: 18 Apr 2018 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.7  | 44.5  |
| 170     | 23.9  | 19.6  | 29.4  |



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

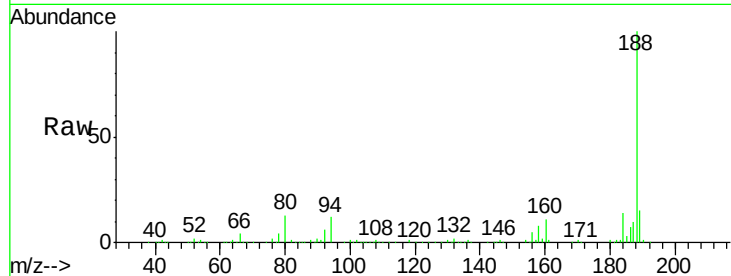




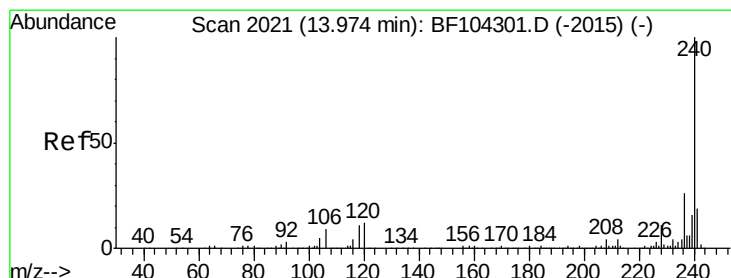
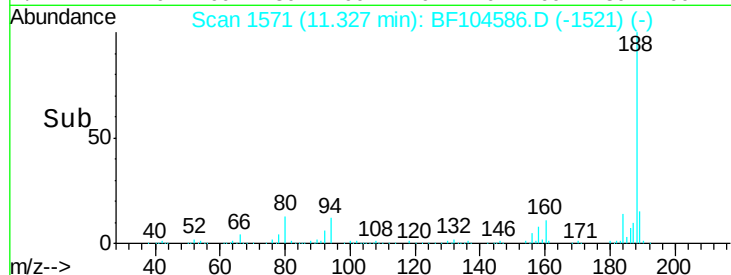
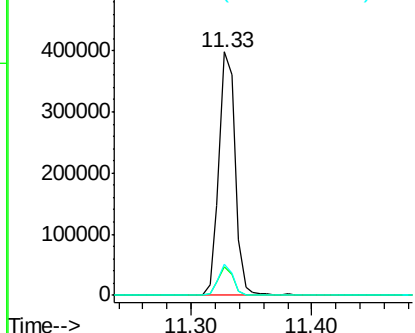
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. -0.01 min  
Lab File: BF104586.D  
Acq: 18 Apr 2018 2:20

Instrument :  
BNA\_F  
ClientSampleId :  
PB108302BL

Tot Ion:188 Resp: 369531  
Ion Ratio Lower Upper  
188 100  
94 11.6 8.5 12.7  
80 12.7 9.2 13.8

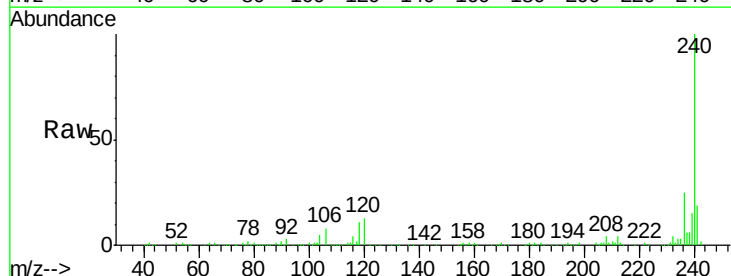


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

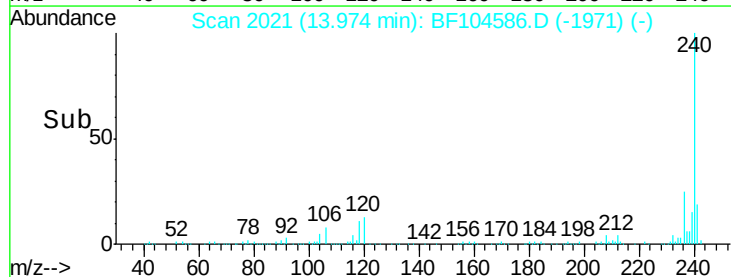
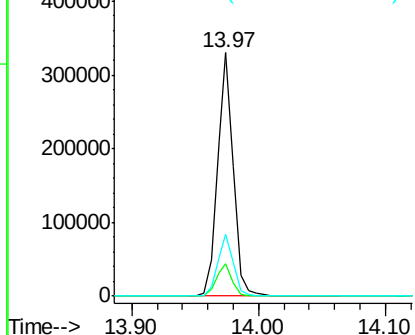


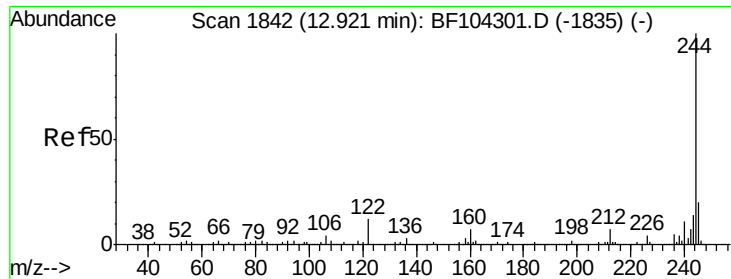
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. -0.01 min  
Lab File: BF104586.D  
Acq: 18 Apr 2018 2:20

Tgt Ion:240 Resp: 288039  
Ion Ratio Lower Upper  
240 100  
120 13.4 9.5 14.3  
236 25.2 20.7 31.1



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



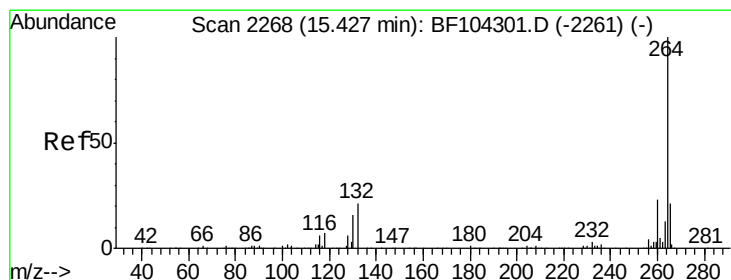
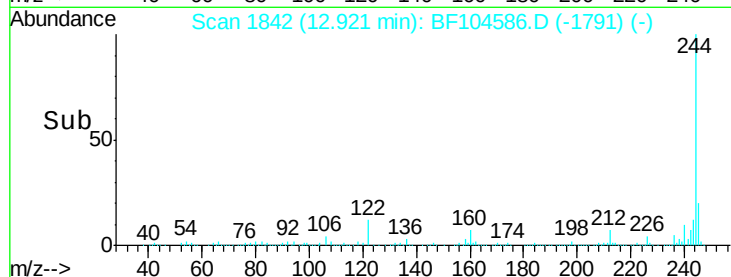
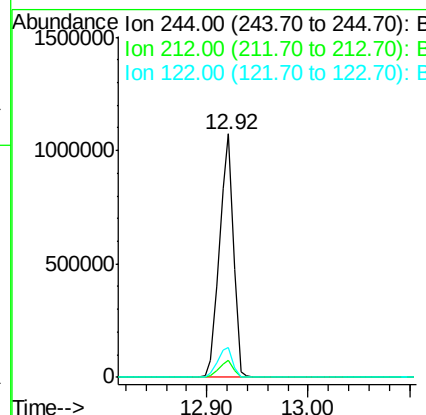
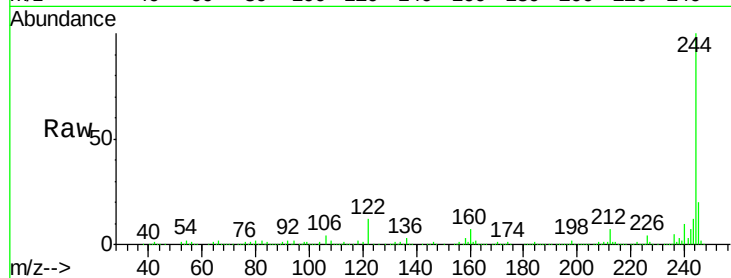


#78  
 Terphenyl-d14  
 Concen: 81.398 ng  
 RT: 12.92 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: BF104586.D  
 Acq: 18 Apr 2018 2:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108302BL

Tot Ion:244 Resp: 1028398  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.9   | 5.4   | 8.0   |
| 122 | 12.1  | 11.0  | 16.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.43 min Scan# 2269  
 Delta R.T. -0.01 min  
 Lab File: BF104586.D  
 Acq: 18 Apr 2018 2:20

Tgt Ion:264 Resp: 211836  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 19.2  | 28.8  |
| 265 | 21.6  | 17.5  | 26.3  |

