

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122617\  
 Data File : BF101750.D  
 Acq On : 27 Dec 2017 8:42  
 Operator : SJ/JU  
 Sample : PB105328BL  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105328BL

Quant Time: Dec 27 10:27:56 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 26 10:48:01 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 133769   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 495152   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.83  | 164  | 178000   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.32 | 188  | 289321   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 283655   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.44 | 264  | 241935   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 796321   | 88.67  | ng    | 0.01     |
| 7) Phenol-d6                | 6.43  | 99   | 938225   | 83.95  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 795366   | 89.42  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 136349   | 79.50  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 1254017  | 109.29 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.90 | 244  | 943123   | 80.16  | ng    | 0.00     |

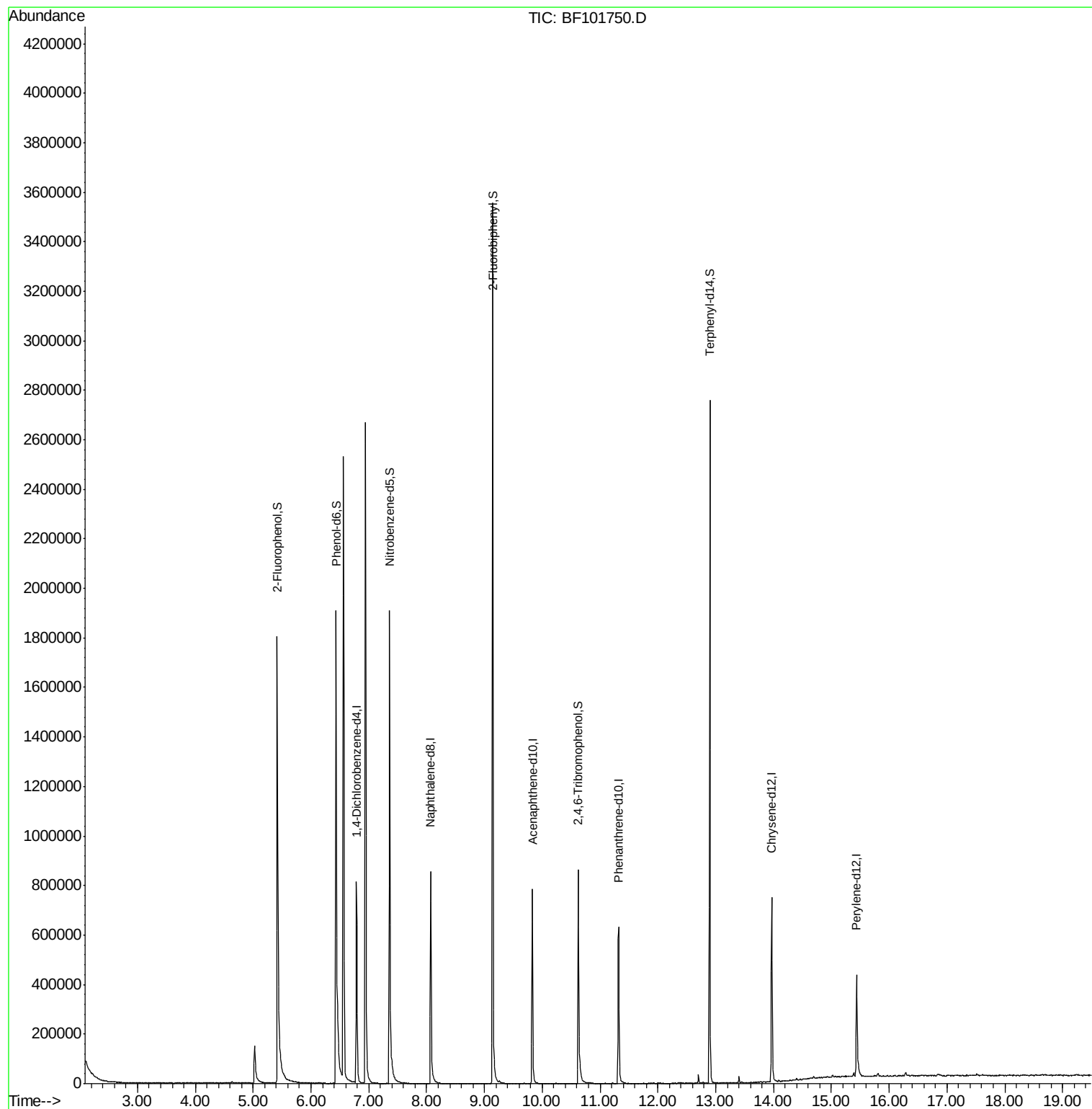
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

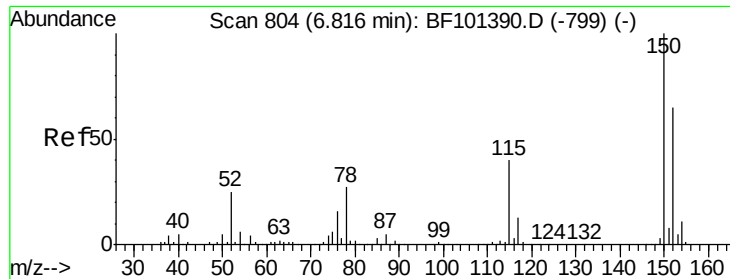
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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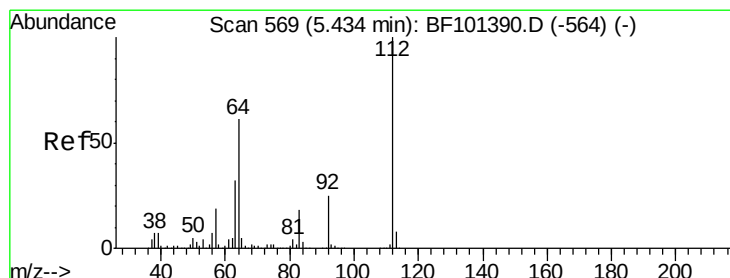
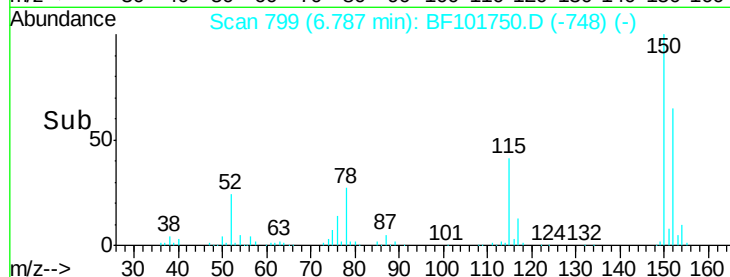
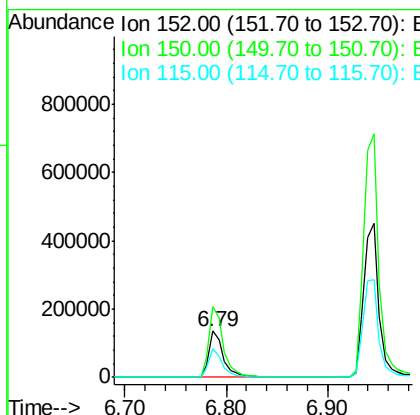
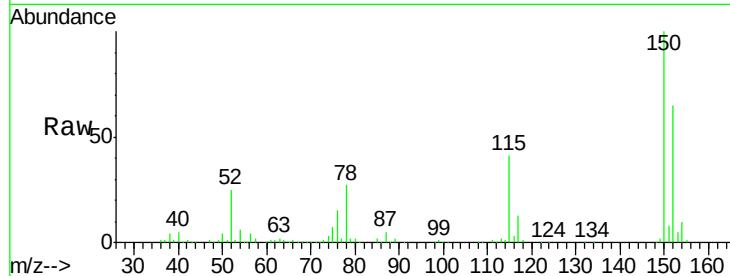




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.79 min Scan# 799  
 Delta R.T. 0.00 min  
 Lab File: BF101750.D  
 Acq: 27 Dec 2017 8:42

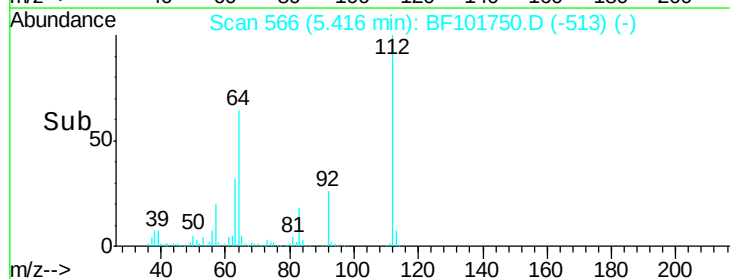
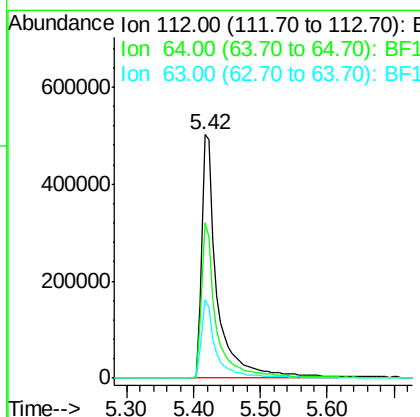
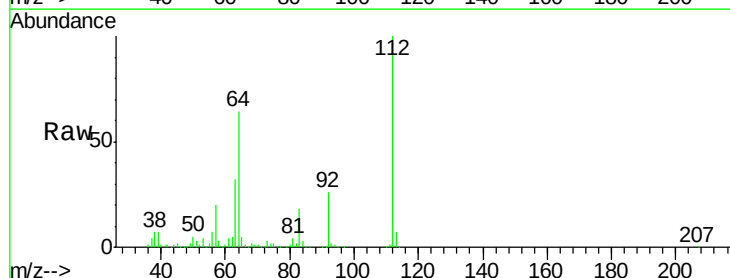
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105328BL

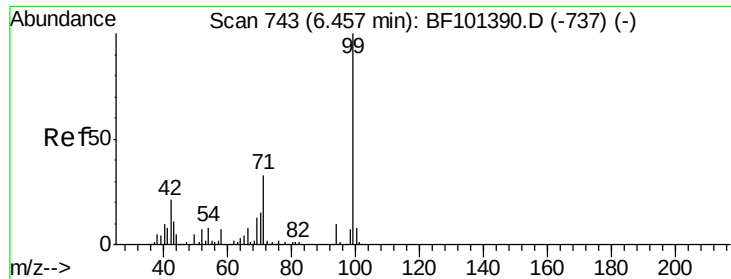
Tgt Ion:152 Resp: 133769  
 Ion Ratio Lower Upper  
 152 100  
 150 154.4 124.6 186.8  
 115 62.9 50.1 75.1



#5  
 2-Fluorophenol  
 Concen: 88.674 ng  
 RT: 5.42 min Scan# 566  
 Delta R.T. 0.01 min  
 Lab File: BF101750.D  
 Acq: 27 Dec 2017 8:42

Tgt Ion:112 Resp: 796321  
 Ion Ratio Lower Upper  
 112 100  
 64 63.6 47.9 71.9  
 63 32.2 23.7 35.5





#7

Phenol-d6

Concen: 83.947 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101750.D

Acq: 27 Dec 2017 8:42

Instrument :

BNA\_F

ClientSampleId :

PB105328BL

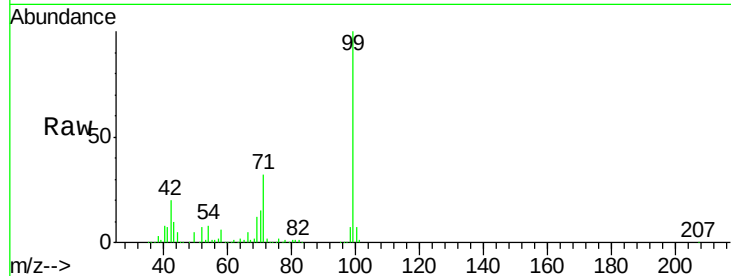
Tgt Ion: 99 Resp: 938225

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

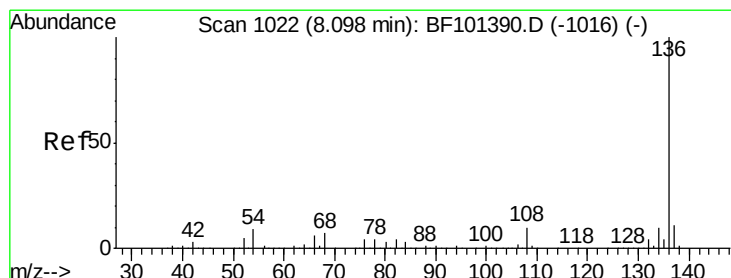
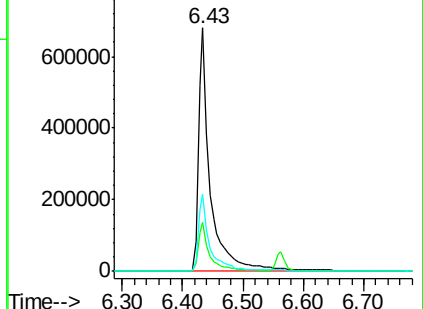
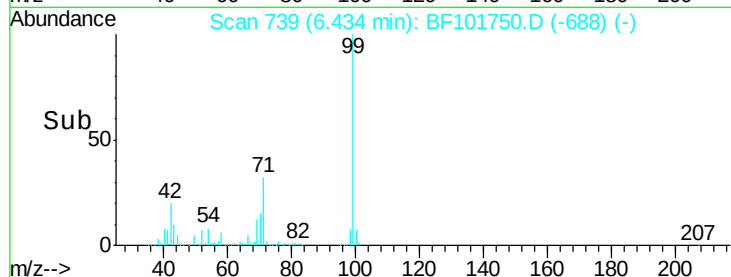
71 31.9 25.4 38.0



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: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF101750.D

Acq: 27 Dec 2017 8:42

Tgt Ion: 136 Resp: 495152

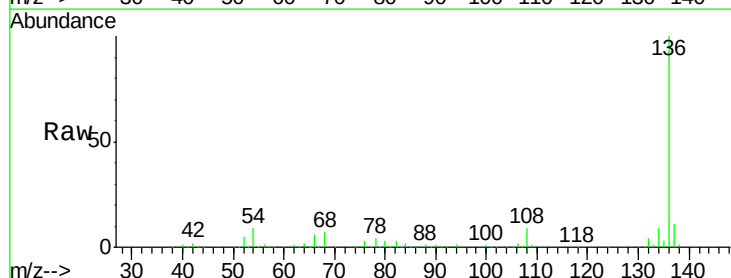
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.5 6.6 9.8

68 7.1 5.0 7.4

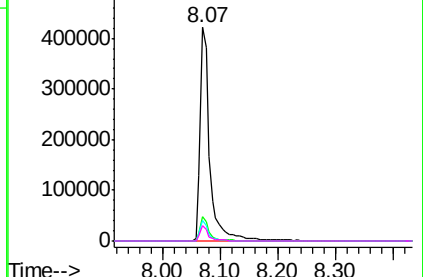
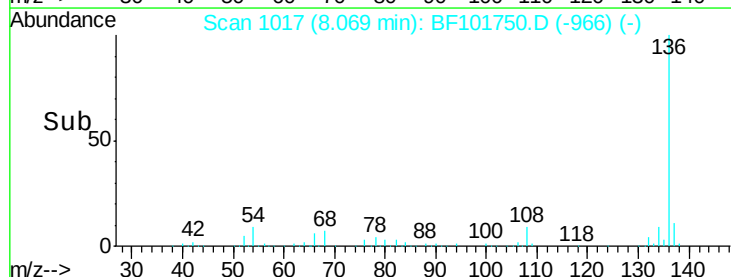


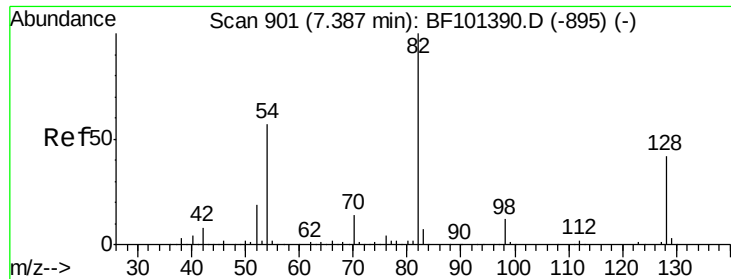
Abundance Ion 136.00 (135.70 to 136.70): E

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

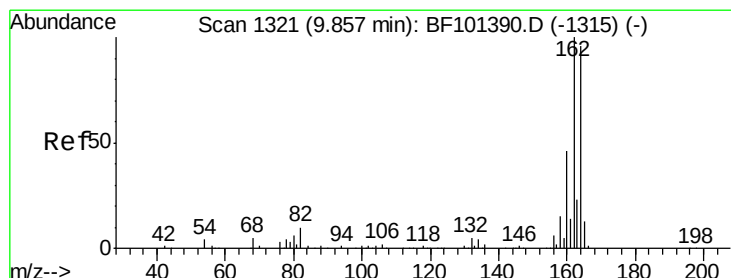
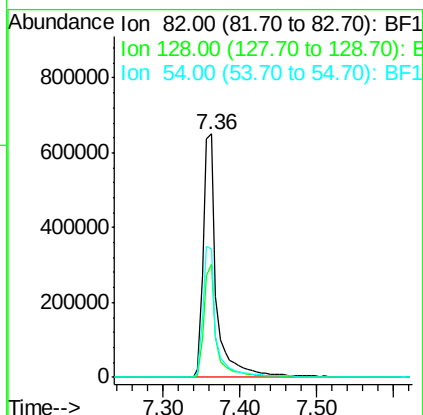
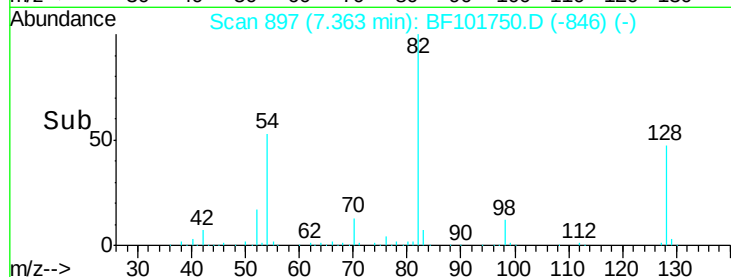
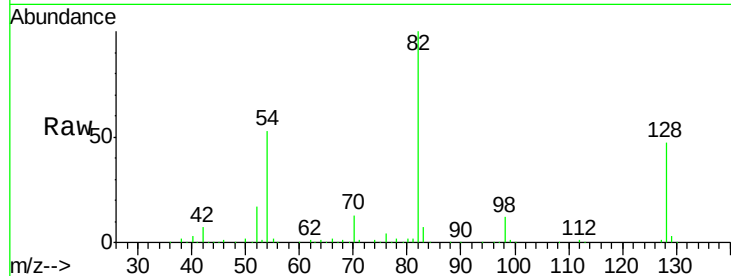




#23  
Nitrobenzene-d5  
Concen: 89.416 ng  
RT: 7.36 min Scan# 897  
Delta R.T. 0.00 min  
Lab File: BF101750.D  
Acq: 27 Dec 2017 8:42

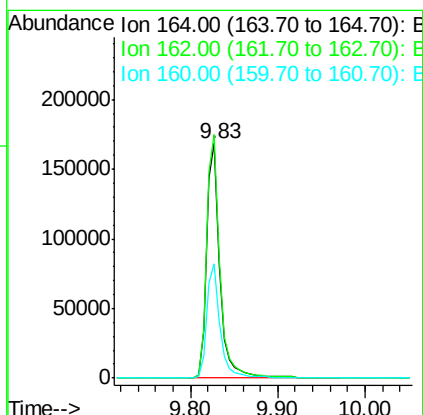
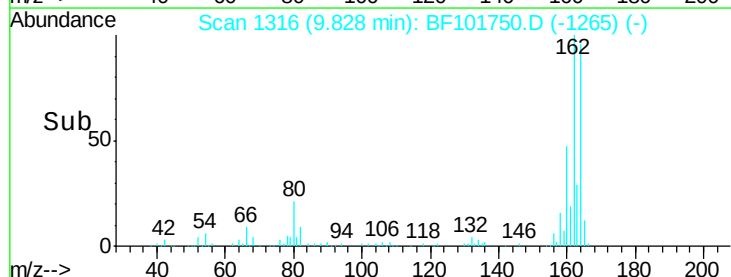
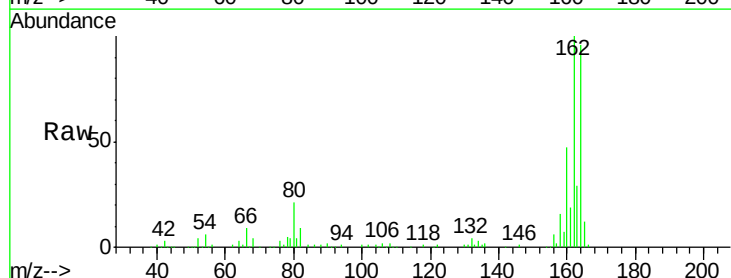
Instrument :  
BNA\_F  
ClientSampleId :  
PB105328BL

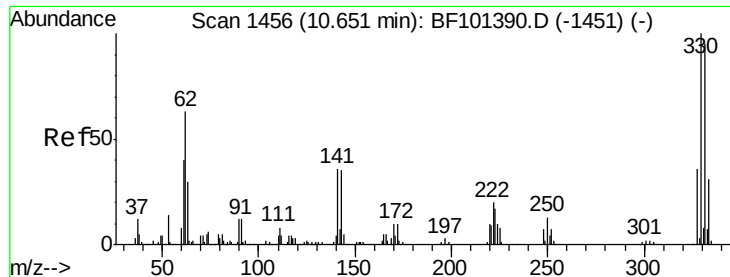
Tgt Ion: 82 Resp: 795366  
Ion Ratio Lower Upper  
82 100  
128 46.7 36.1 54.1  
54 52.6 41.4 62.2



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. 0.00 min  
Lab File: BF101750.D  
Acq: 27 Dec 2017 8:42

Tgt Ion: 164 Resp: 178000  
Ion Ratio Lower Upper  
164 100  
162 103.8 86.1 129.1  
160 49.0 38.3 57.5

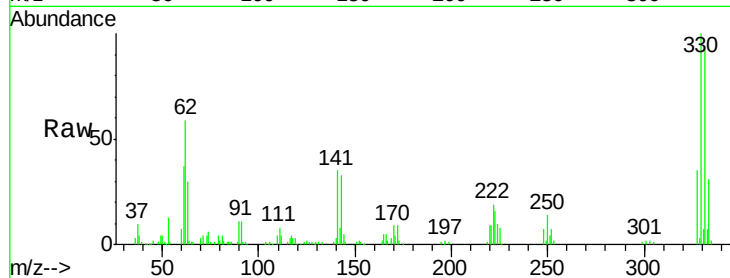




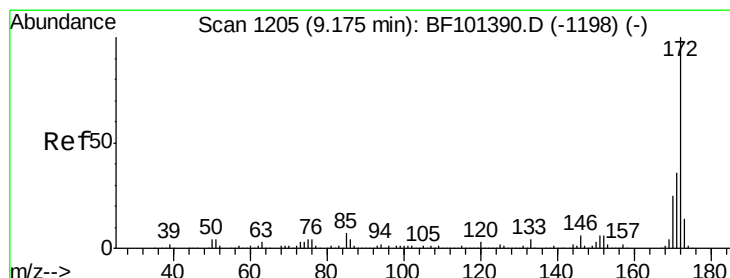
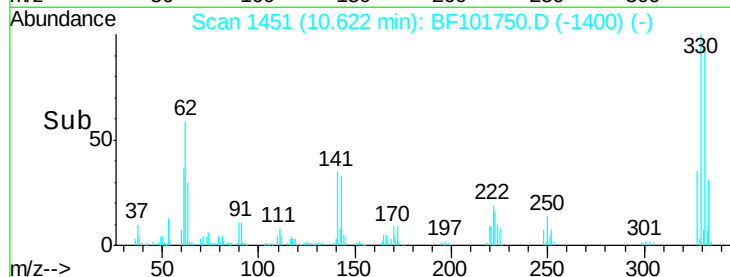
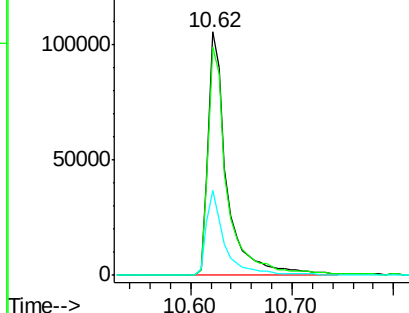
#41  
 2,4,6-Tribromophenol  
 Concen: 79.496 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. 0.00 min  
 Lab File: BF101750.D  
 Acq: 27 Dec 2017 8:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105328BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 77.0  | 115.6 |
| 141     | 34.4  | 29.9  | 44.9  |

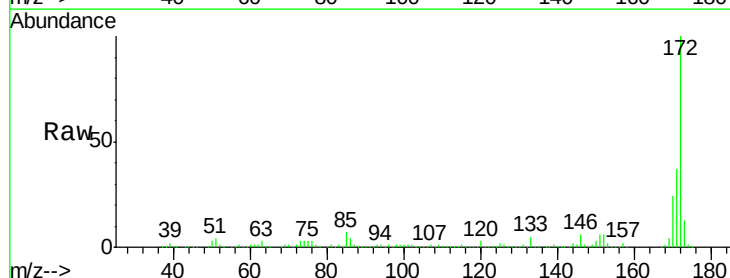


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

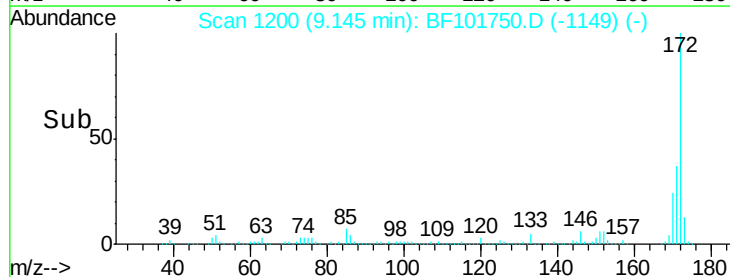
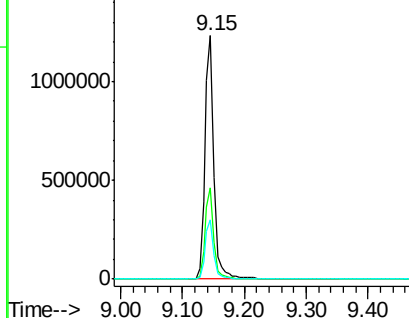


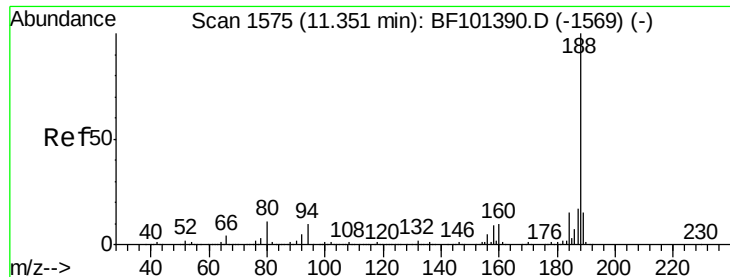
#44  
 2-Fluorobiphenyl  
 Concen: 109.286 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. 0.00 min  
 Lab File: BF101750.D  
 Acq: 27 Dec 2017 8:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 29.7  | 44.5  |
| 170     | 24.4  | 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

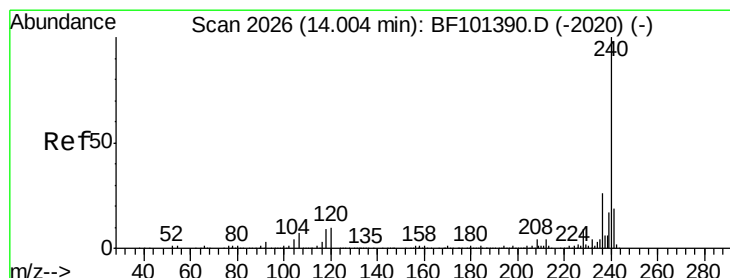
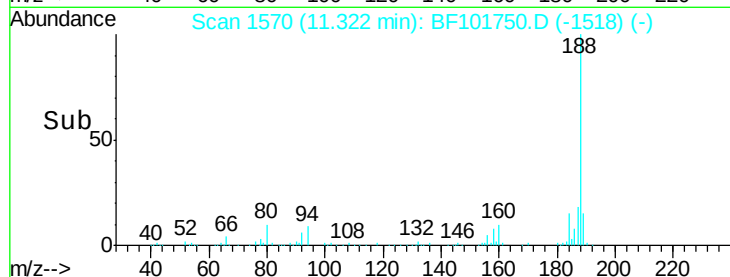
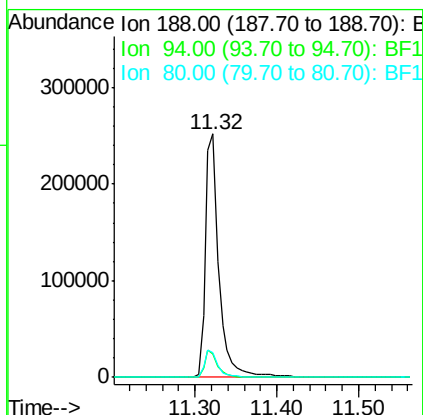
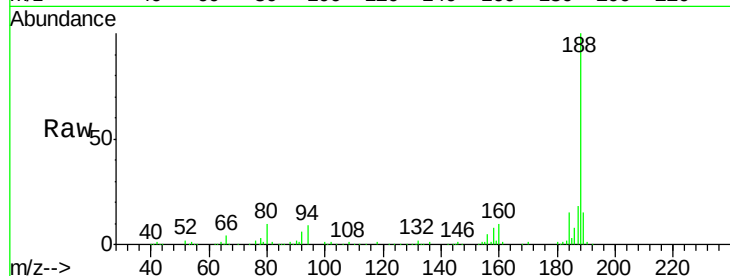




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. 0.01 min  
Lab File: BF101750.D  
Acq: 27 Dec 2017 8:42

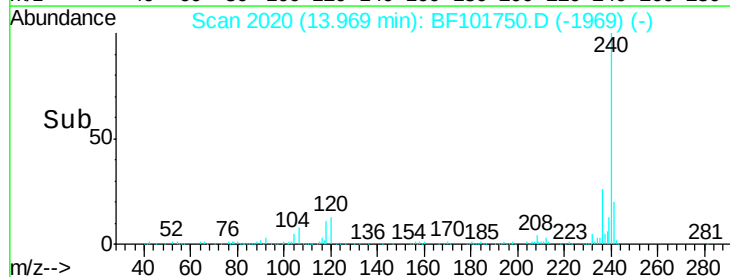
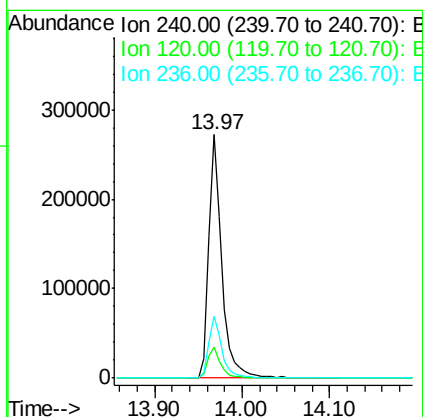
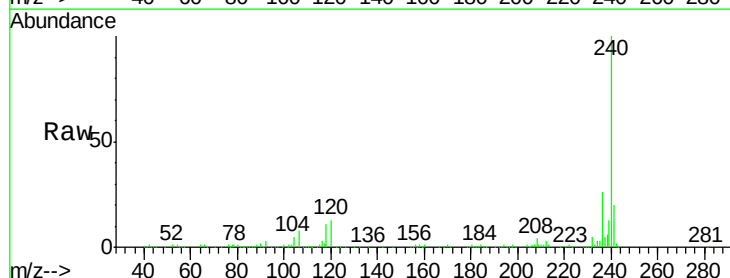
Instrument :  
BNA\_F  
ClientSampleId :  
PB105328BL

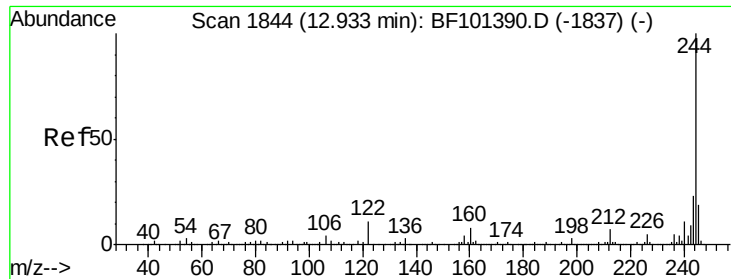
Tgt Ion:188 Resp: 289321  
Ion Ratio Lower Upper  
188 100  
94 9.5 8.5 12.7  
80 10.2 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. 0.00 min  
Lab File: BF101750.D  
Acq: 27 Dec 2017 8:42

Tgt Ion:240 Resp: 283655  
Ion Ratio Lower Upper  
240 100  
120 12.6 9.5 14.3  
236 25.6 20.7 31.1





#78

Terphenyl-d14

Concen: 80.156 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF101750.D

Acq: 27 Dec 2017 8:42

Instrument :

BNA\_F

ClientSampleId :

PB105328BL

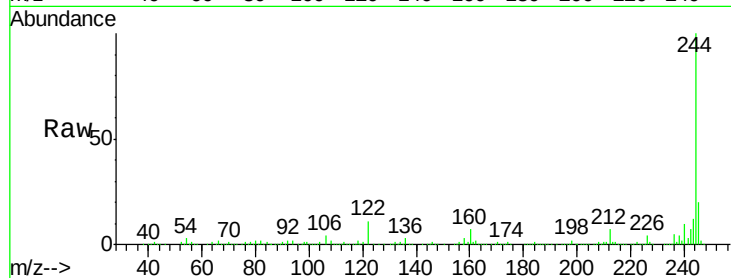
Tgt Ion:244 Resp: 943123

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

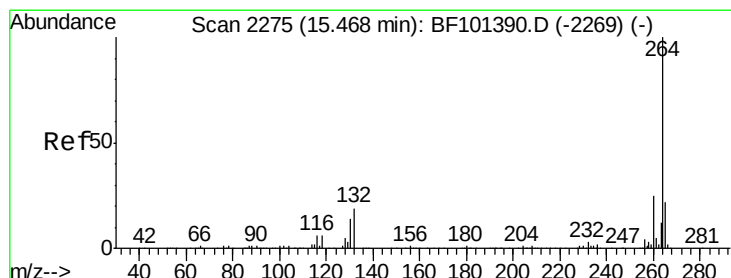
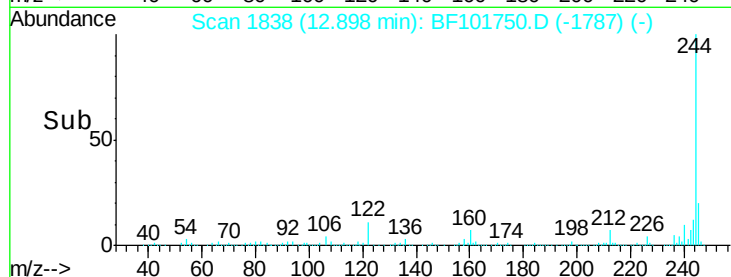
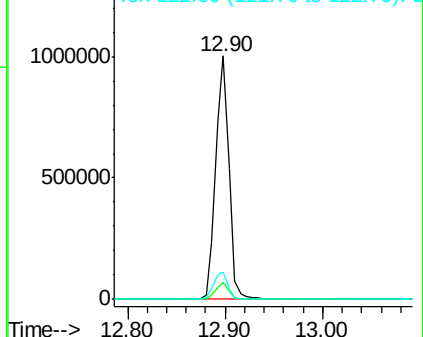
122 11.4 11.0 16.4



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: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF101750.D

Acq: 27 Dec 2017 8:42

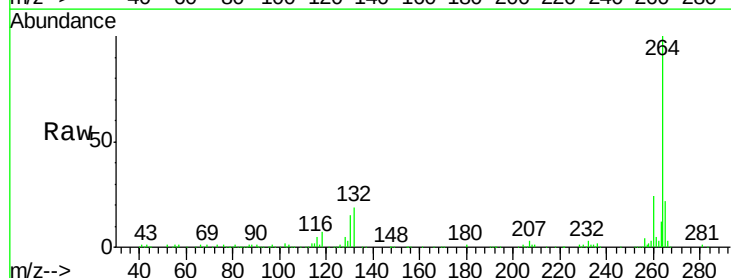
Tgt Ion:264 Resp: 241935

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.8 17.5 26.3



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

