

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\  
 Data File : BF101229.D  
 Acq On : 8 Dec 2017 2:59  
 Operator : SJ/JU  
 Sample : I6732-02  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 120117-TIDO-F-D-S

Quant Time: Dec 08 05:48:11 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 04 13:07:49 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 41203    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.12  | 136  | 145787   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.88  | 164  | 58379    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.37 | 188  | 100903   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.02 | 240  | 84543    | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.50 | 264  | 65152    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 112488   | 45.11  | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 85330    | 28.19  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 237376   | 97.13  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 56135    | 80.04  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 490303   | 114.91 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.96 | 244  | 376990   | 97.53  | ng    | 0.00     |

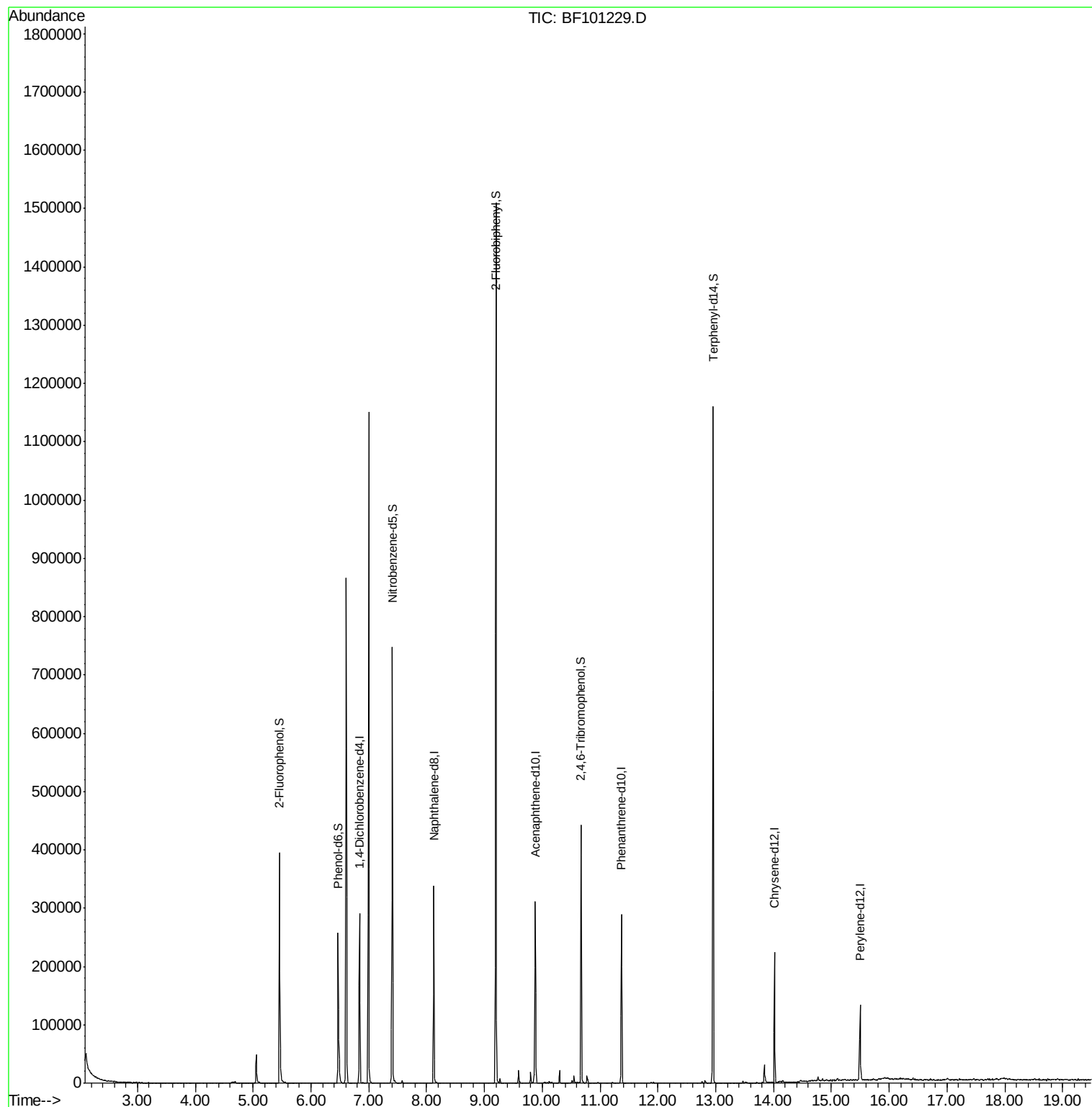
Target Compounds Qvalue

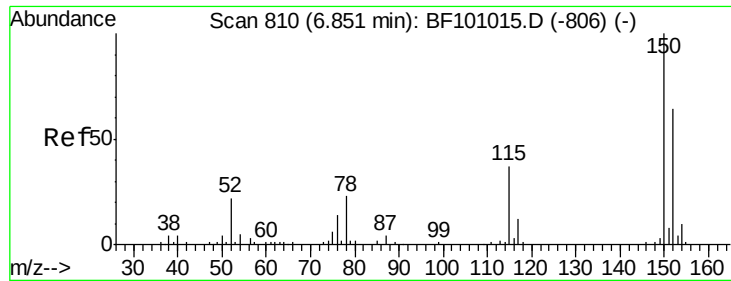
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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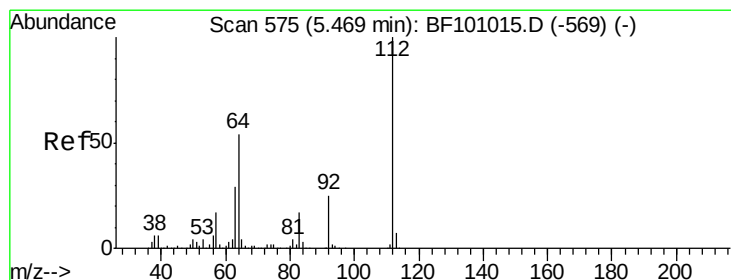
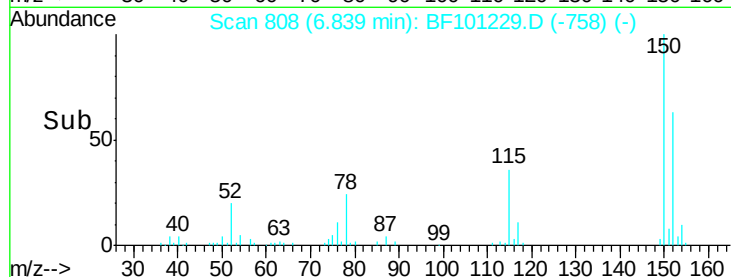
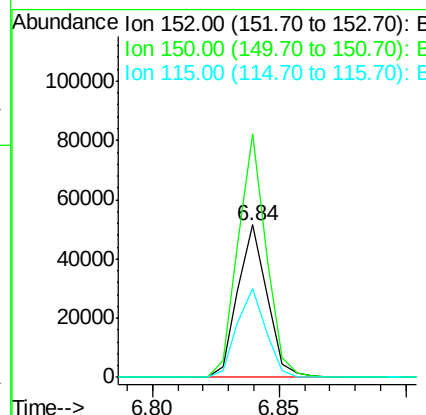
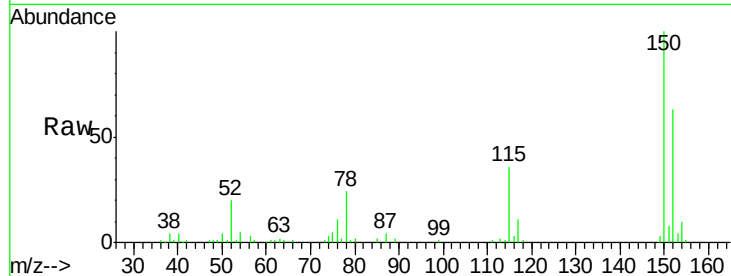


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.84 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BF101229.D  
Acq: 8 Dec 2017 2:59

Instrument :  
BNA\_F  
ClientSampleId :  
120117-TIDO-F-D-S

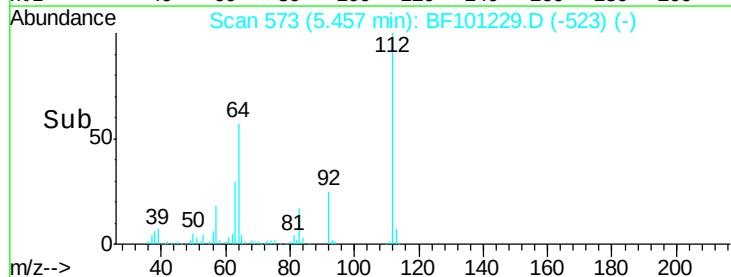
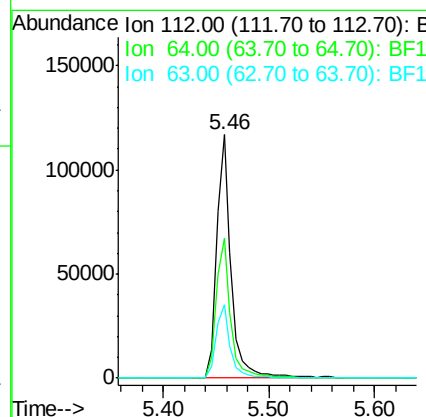
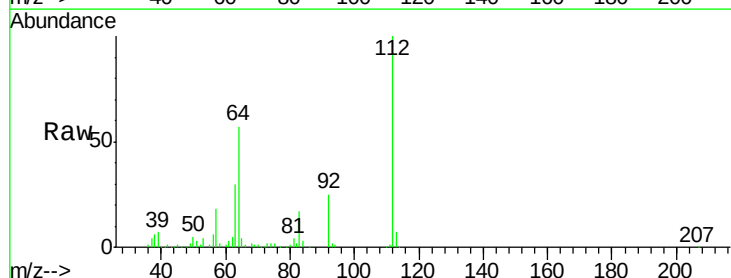
Tot Ion:152 Resp: 41203  
Ion Ratio Lower Upper  
152 100  
150 159.9 124.6 186.8  
115 58.1 50.1 75.1

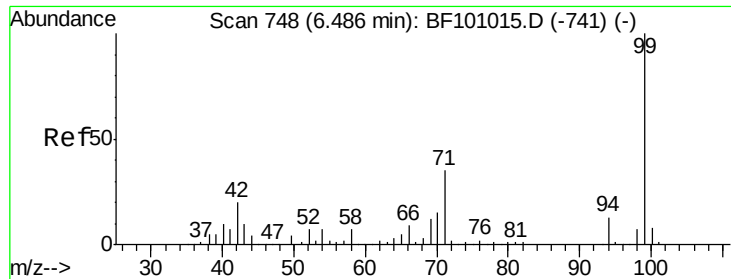


#5

2-Fluorophenol  
Concen: 45.113 ng  
RT: 5.46 min Scan# 573  
Delta R.T. -0.01 min  
Lab File: BF101229.D  
Acq: 8 Dec 2017 2:59

Tgt Ion:112 Resp: 112488  
Ion Ratio Lower Upper  
112 100  
64 57.3 47.9 71.9  
63 30.2 23.7 35.5





#7

Phenol-d6

Concen: 28.187 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF101229.D

Acq: 8 Dec 2017 2:59

Instrument :

BNA\_F

ClientSampleId :

120117-TIDO-F-D-S

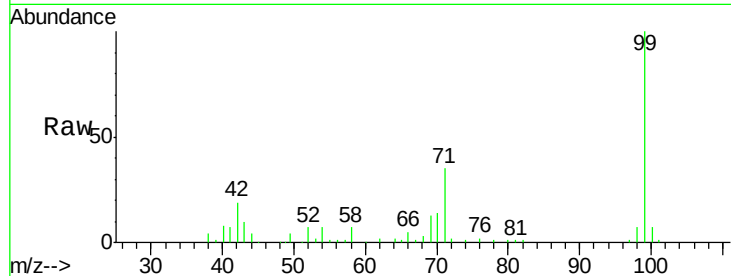
Tot Ion: 99 Resp: 85330

Ion Ratio Lower Upper

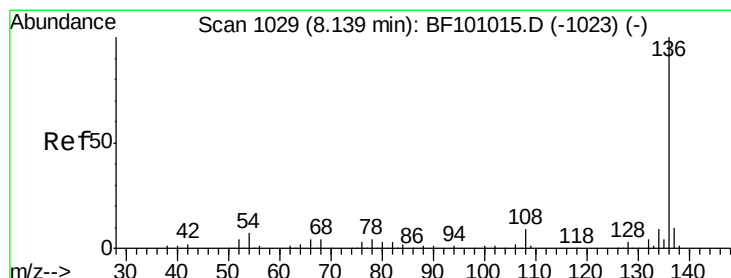
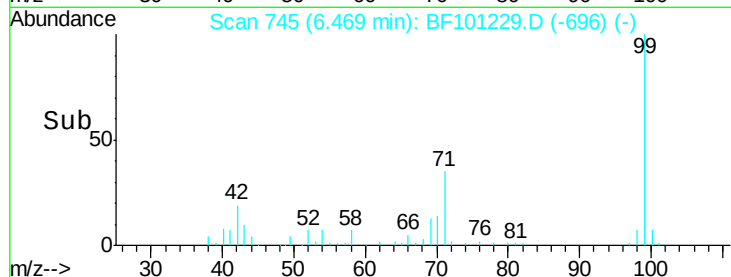
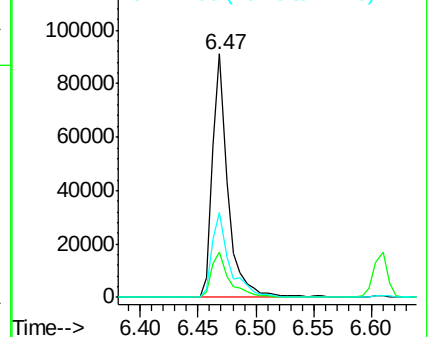
99 100

42 18.5 14.5 21.7

71 34.8 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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF101229.D

Acq: 8 Dec 2017 2:59

Tgt Ion: 136 Resp: 145787

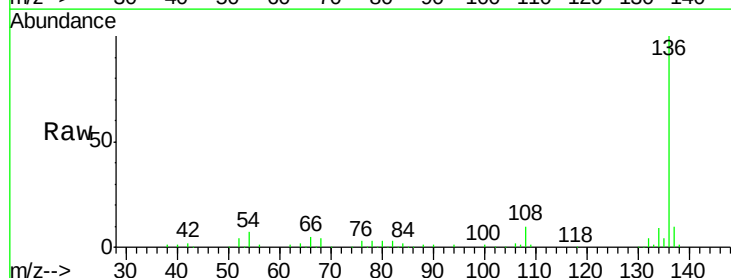
Ion Ratio Lower Upper

136 100

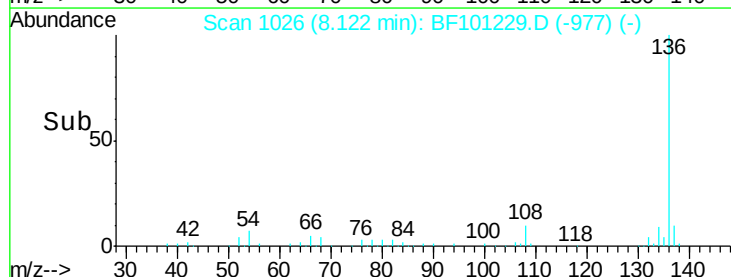
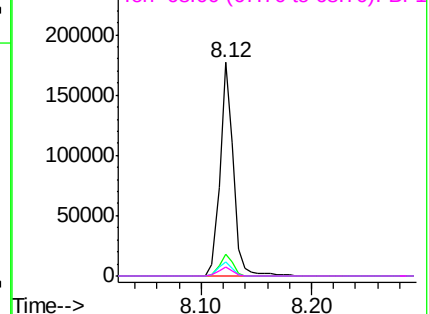
137 10.5 8.9 13.3

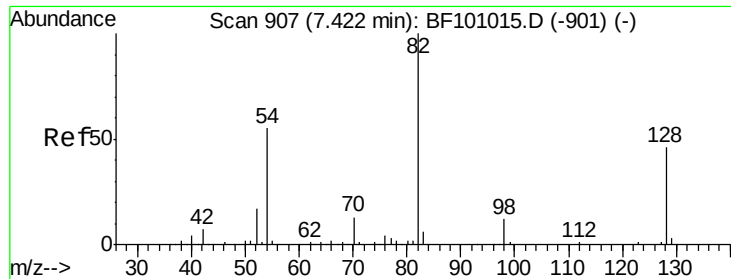
54 6.8 6.6 9.8

68 4.4 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

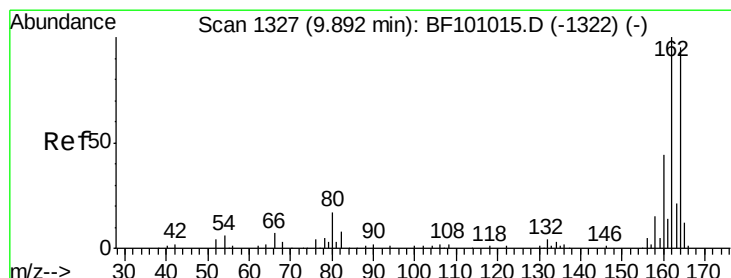
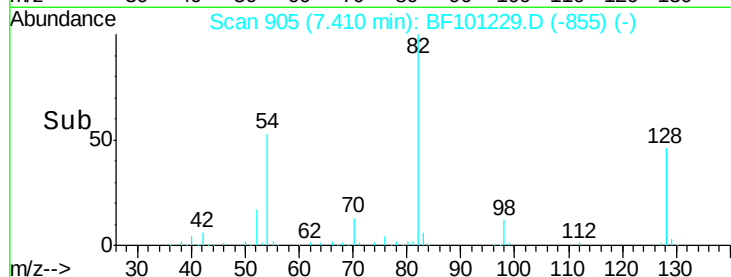
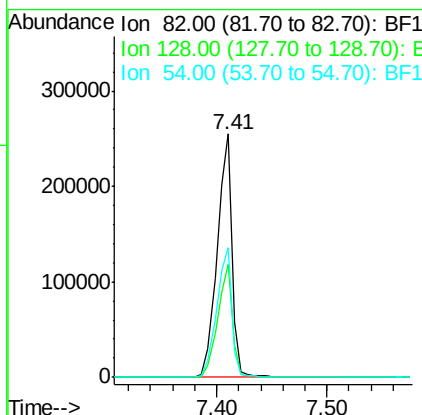
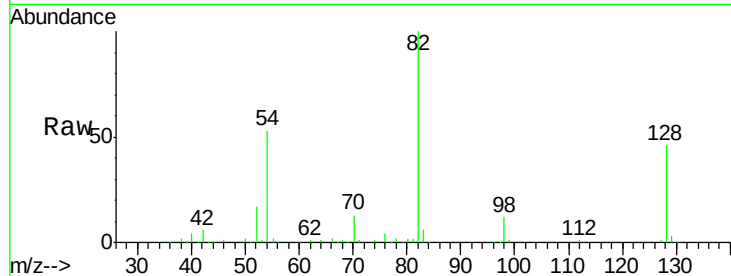




#23  
 Nitrobenzene-d5  
 Concen: 97.130 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. -0.01 min  
 Lab File: BF101229.D  
 Acq: 8 Dec 2017 2:59

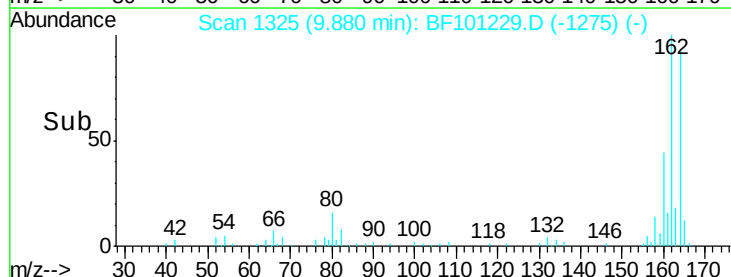
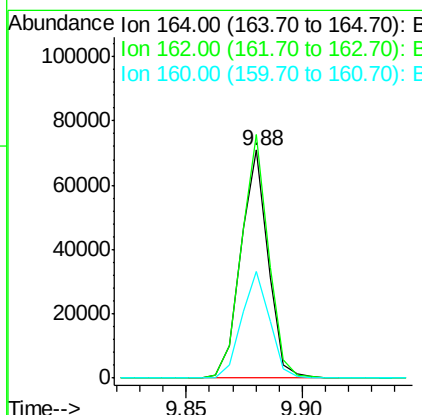
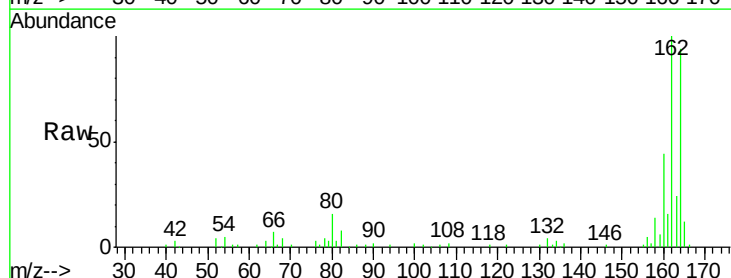
Instrument :  
 BNA\_F  
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 120117-TIDO-F-D-S

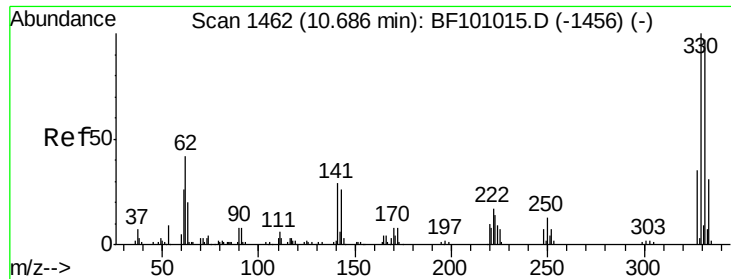
Tot Ion: 82 Resp: 237376  
 Ion Ratio Lower Upper  
 82 100  
 128 46.4 36.1 54.1  
 54 53.5 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. -0.01 min  
 Lab File: BF101229.D  
 Acq: 8 Dec 2017 2:59

Tgt Ion: 164 Resp: 58379  
 Ion Ratio Lower Upper  
 164 100  
 162 106.8 86.1 129.1  
 160 47.0 38.3 57.5

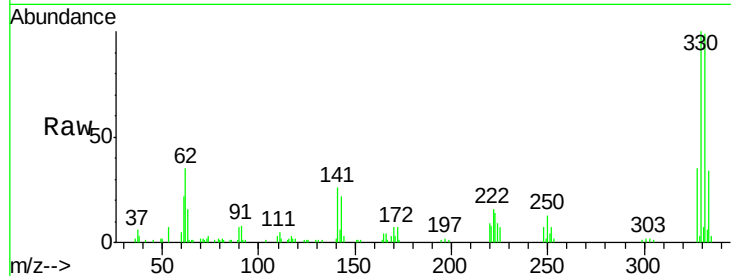




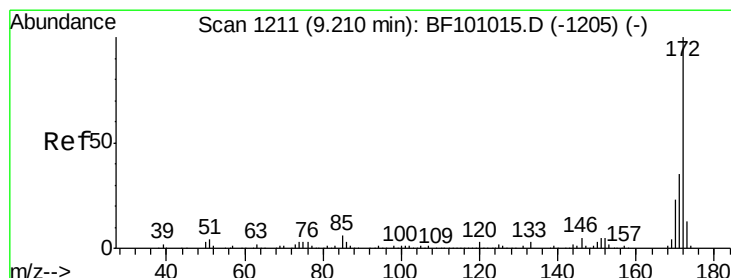
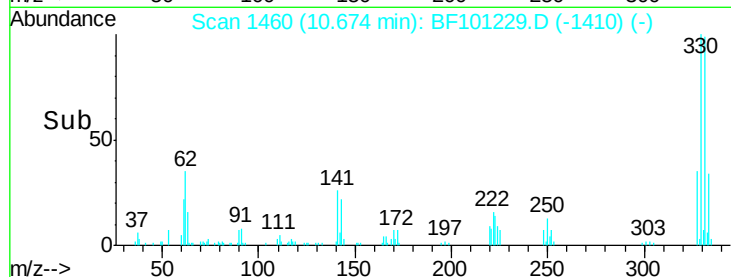
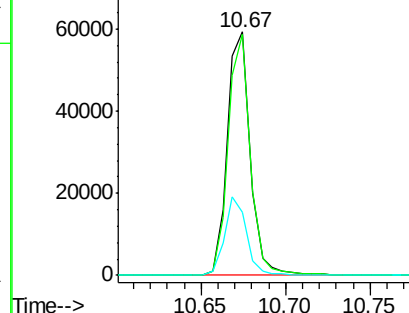
#41  
 2,4,6-Tribromophenol  
 Concen: 80.044 ng  
 RT: 10.67 min Scan# 1460  
 Delta R.T. -0.01 min  
 Lab File: BF101229.D  
 Acq: 8 Dec 2017 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 120117-TIDO-F-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 77.0  | 115.6 |
| 141     | 30.7  | 29.9  | 44.9  |

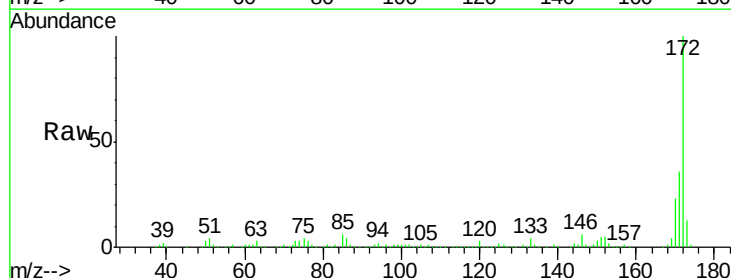


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

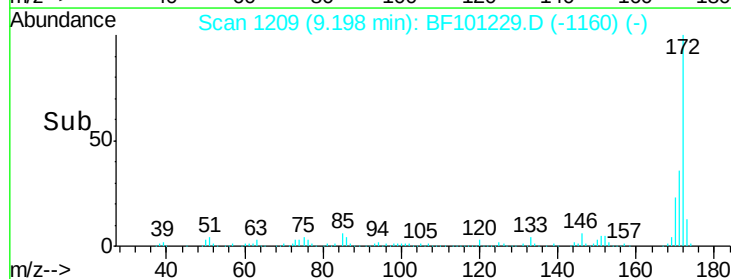
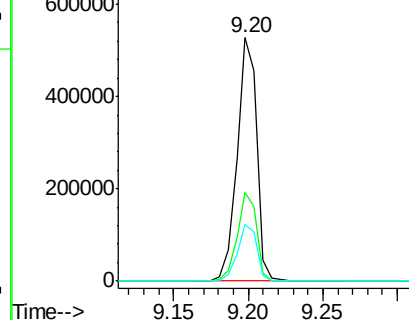


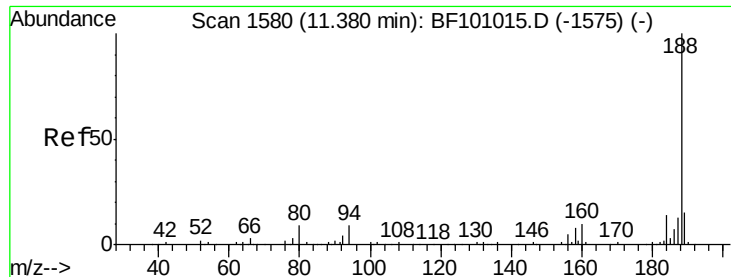
#44  
 2-Fluorobiphenyl  
 Concen: 114.910 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BF101229.D  
 Acq: 8 Dec 2017 2:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 23.4  | 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

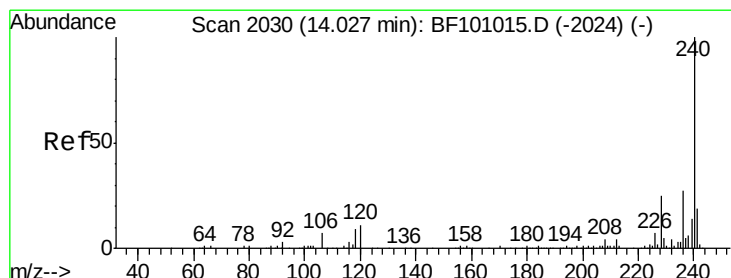
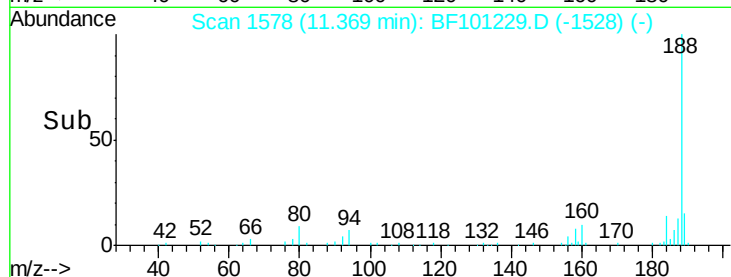
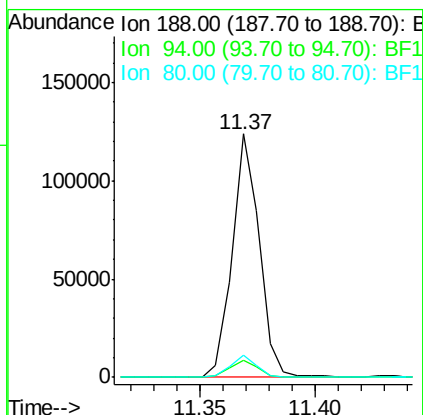
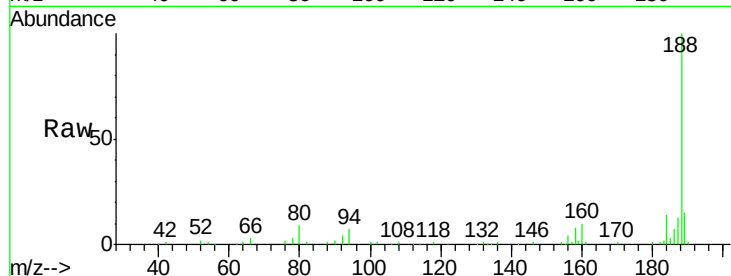




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1578  
Delta R.T. -0.01 min  
Lab File: BF101229.D  
Acq: 8 Dec 2017 2:59

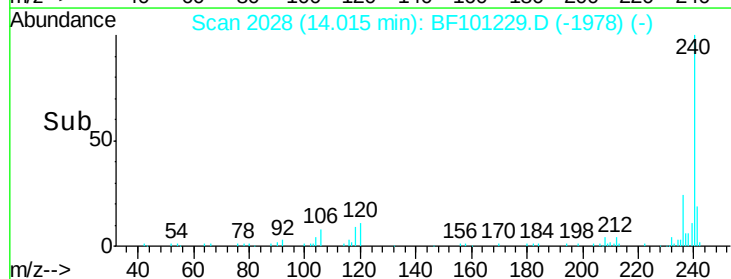
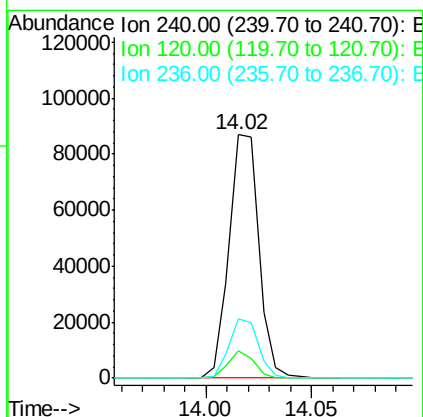
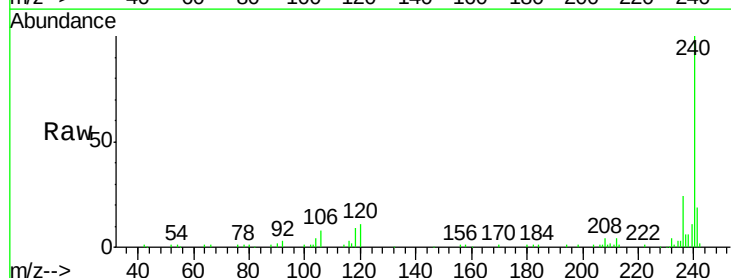
Instrument :  
BNA\_F  
ClientSampleId :  
120117-TIDO-F-D-S

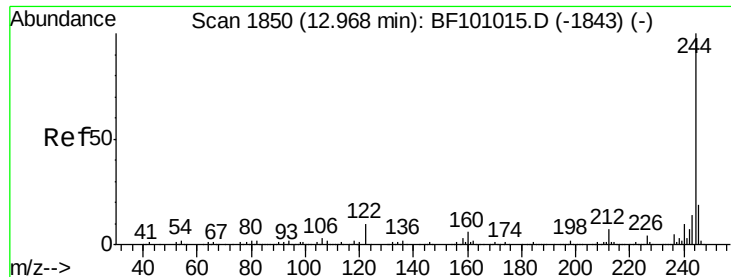
Tot Ion:188 Resp: 100903  
Ion Ratio Lower Upper  
188 100  
94 7.3 8.5 12.7#  
80 9.0 9.2 13.8#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: BF101229.D  
Acq: 8 Dec 2017 2:59

Tgt Ion:240 Resp: 84543  
Ion Ratio Lower Upper  
240 100  
120 11.2 9.5 14.3  
236 24.4 20.7 31.1





#78

Terphenyl-d14

Concen: 97.533 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101229.D

Acq: 8 Dec 2017 2:59

Instrument :

BNA\_F

ClientSampleId :

120117-TIDO-F-D-S

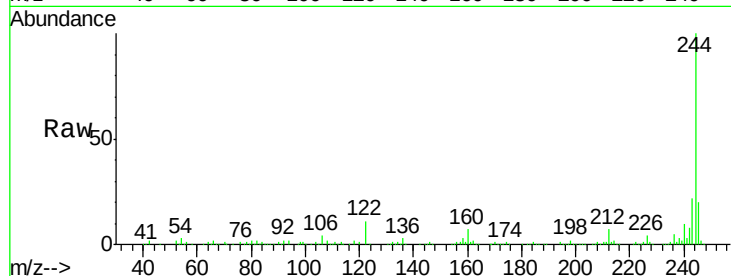
Tot Ion:244 Resp: 376990

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

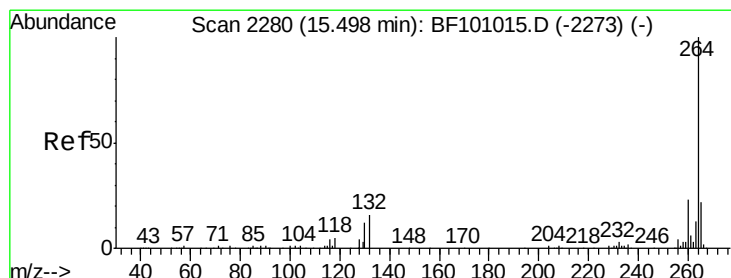
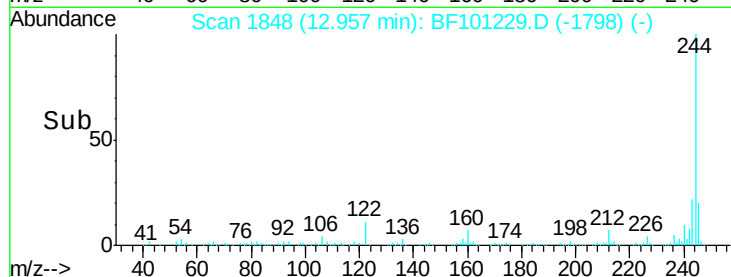
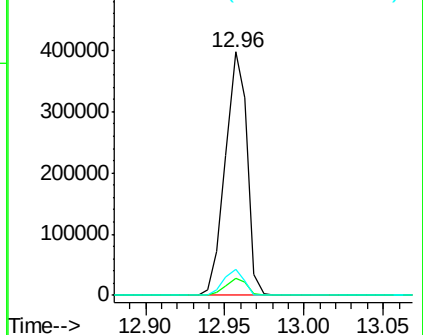
122 10.9 11.0 16.4#



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: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF101229.D

Acq: 8 Dec 2017 2:59

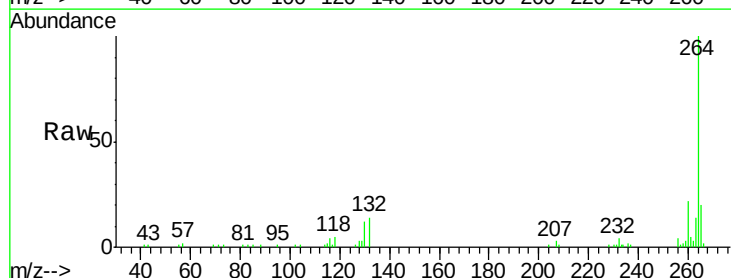
Tgt Ion:264 Resp: 65152

Ion Ratio Lower Upper

264 100

260 22.5 19.2 28.8

265 20.2 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

