

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\  
 Data File : BF101118.D  
 Acq On : 5 Dec 2017 12:27  
 Operator : SJ/JU  
 Sample : PB104707BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104707BL

Quant Time: Dec 05 13:22:14 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   | 6.85  | 152  | 47964    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 189516   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 93441    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.37 | 188  | 191509   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.02 | 240  | 132353   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.49 | 264  | 104274   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 363723   | 125.31 | ng    | 0.01     |
| 7) Phenol-d6                | 6.49  | 99   | 432926   | 122.85 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 272583   | 85.80  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 134573   | 119.89 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 601344   | 88.05  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.96 | 244  | 643384   | 106.33 | ng    | 0.00     |

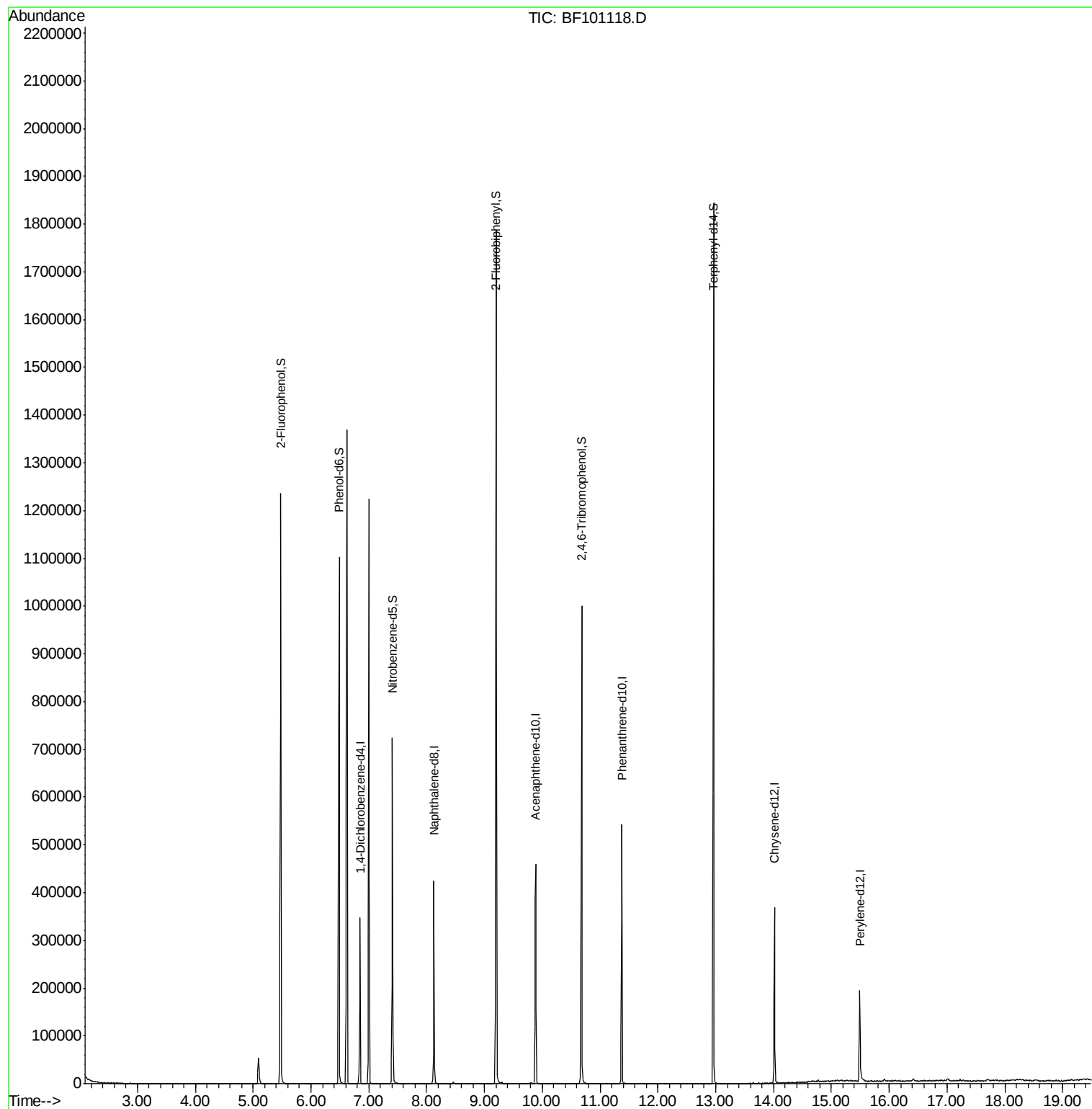
Target Compounds Qvalue

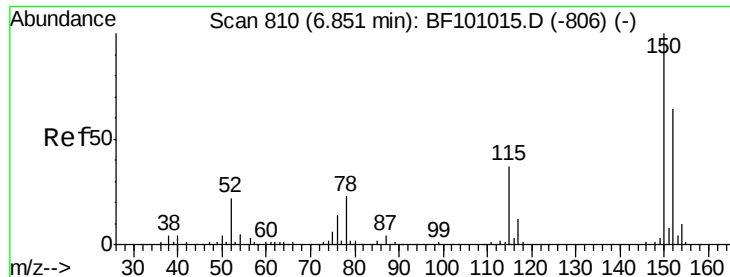
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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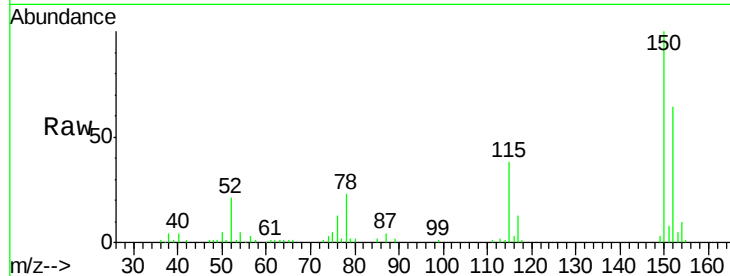


#1

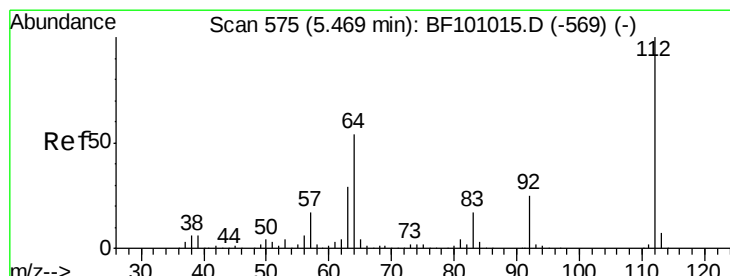
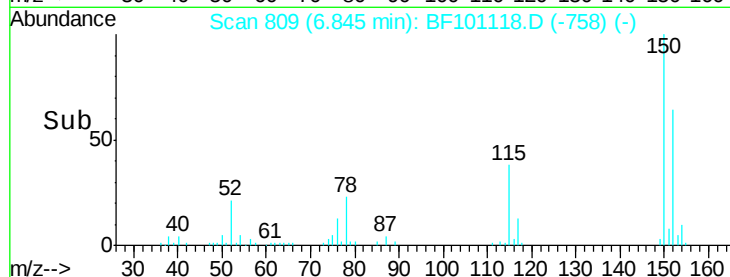
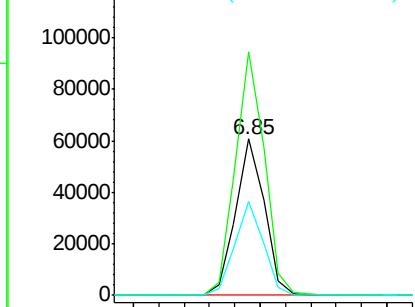
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. 0.00 min  
Lab File: BF101118.D  
Acq: 5 Dec 2017 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB104707BL

Tot Ion:152 Resp: 47964  
Ion Ratio Lower Upper  
152 100  
150 155.8 124.6 186.8  
115 60.0 50.1 75.1



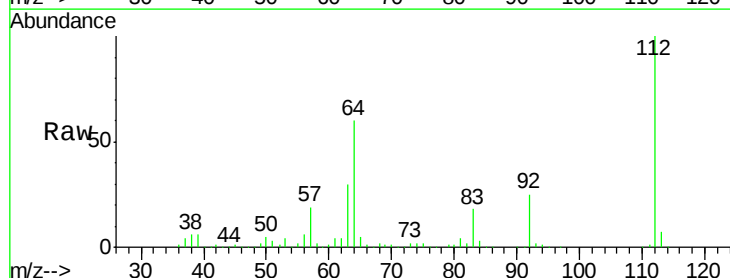
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



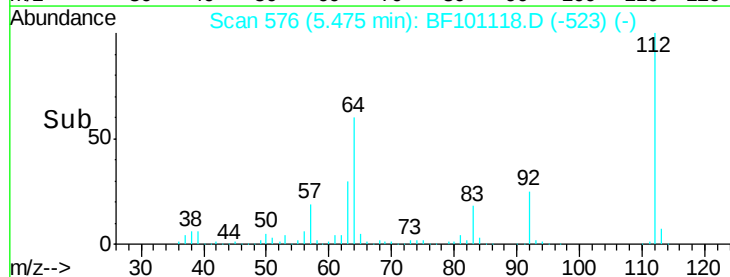
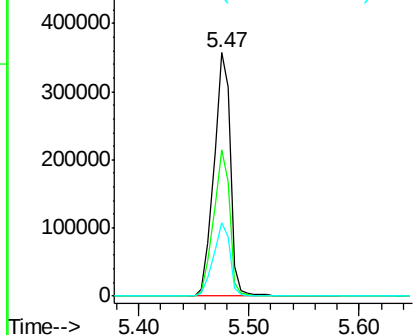
#5

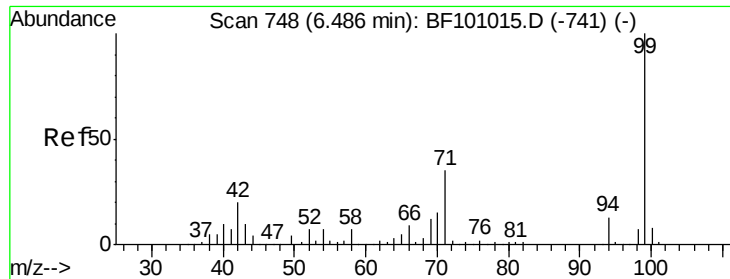
2-Fluorophenol  
Concen: 125.309 ng  
RT: 5.47 min Scan# 576  
Delta R.T. 0.01 min  
Lab File: BF101118.D  
Acq: 5 Dec 2017 12:27

Tgt Ion:112 Resp: 363723  
Ion Ratio Lower Upper  
112 100  
64 60.0 47.9 71.9  
63 30.1 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: 122.849 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101118.D

Acq: 5 Dec 2017 12:27

Instrument :

BNA\_F

ClientSampleId :

PB104707BL

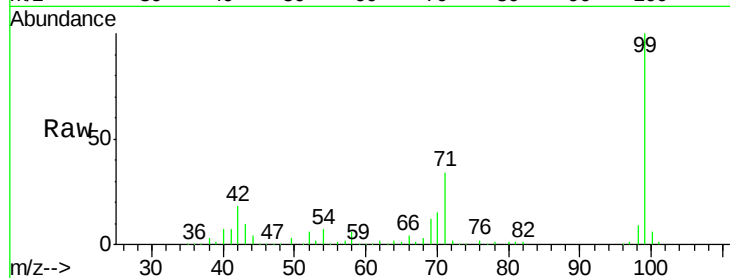
Tot Ion: 99 Resp: 432926

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

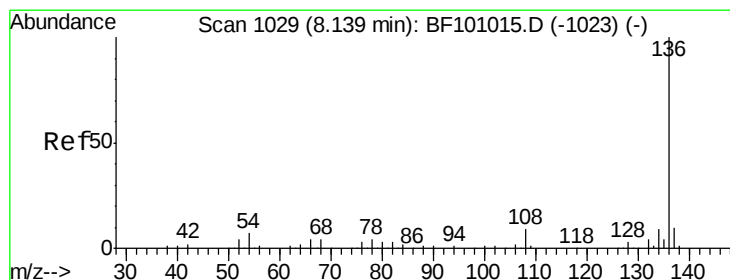
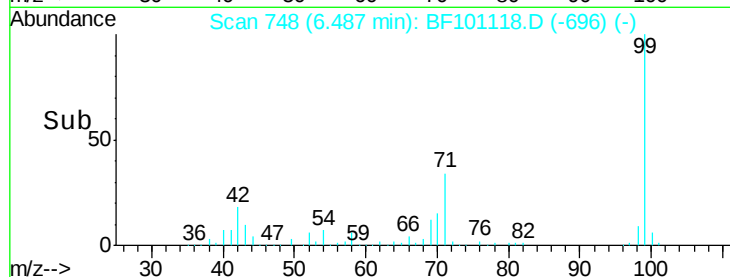
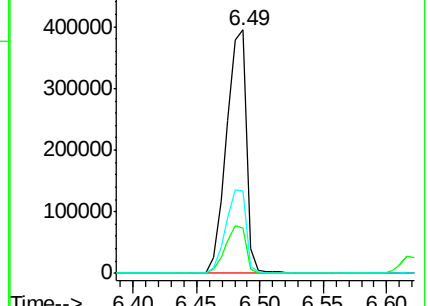
71 33.7 25.4 38.0



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101118.D

Acq: 5 Dec 2017 12:27

Tgt Ion: 136 Resp: 189516

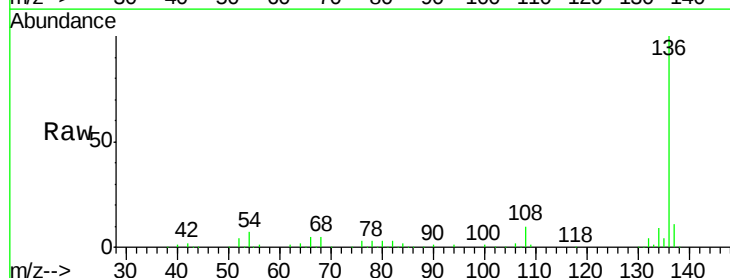
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.2 6.6 9.8

68 5.0 5.0 7.4

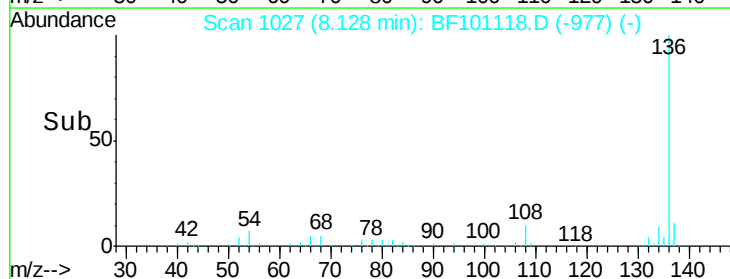
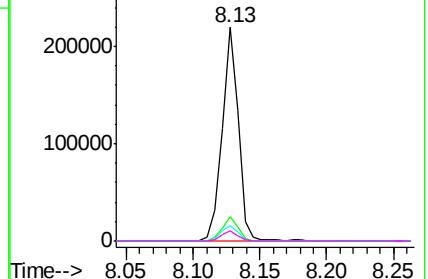


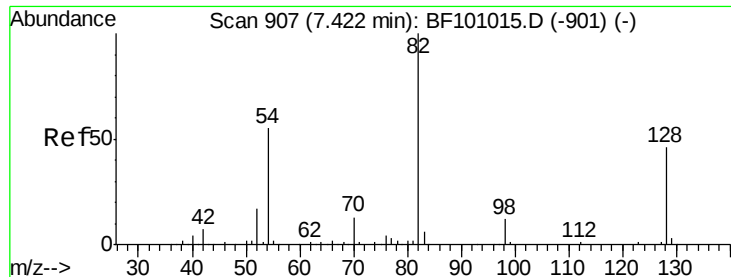
Abundance Ion 136.00 (135.70 to 136.70): E

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

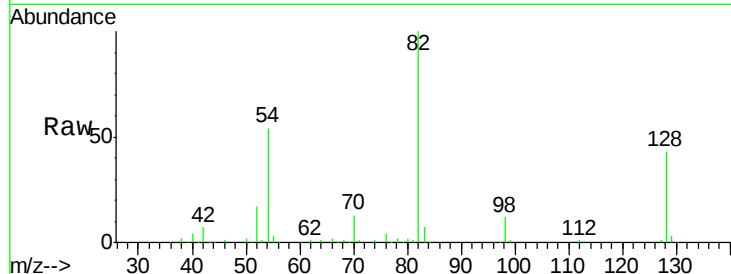




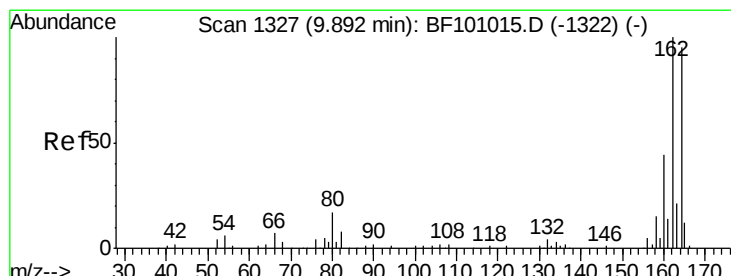
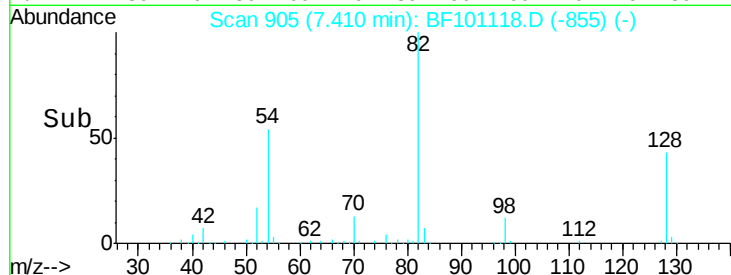
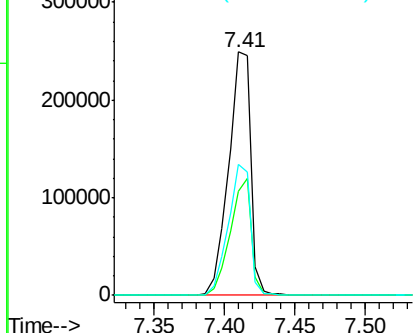
#23  
 Nitrobenzene-d5  
 Concen: 85.800 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. -0.01 min  
 Lab File: BF101118.D  
 Acq: 5 Dec 2017 12:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104707BL

Tot Ion: 82 Resp: 272583  
 Ion Ratio Lower Upper  
 82 100  
 128 42.9 36.1 54.1  
 54 53.8 41.4 62.2

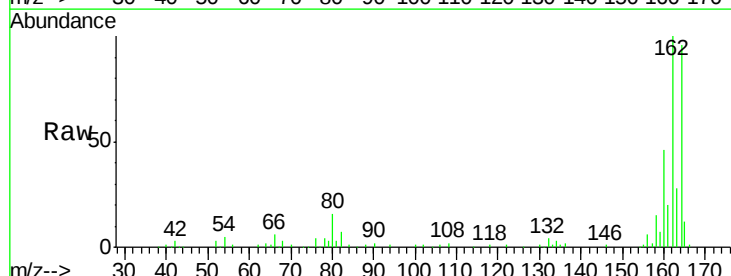


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

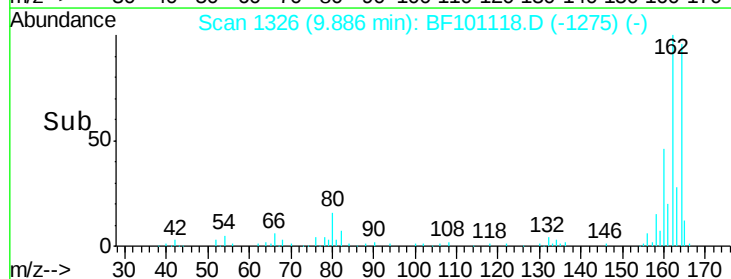
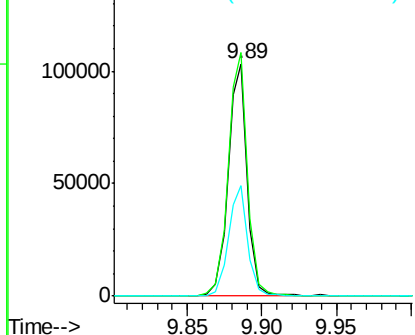


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. 0.00 min  
 Lab File: BF101118.D  
 Acq: 5 Dec 2017 12:27

Tgt Ion: 164 Resp: 93441  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 86.1 129.1  
 160 47.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
 Ion 162.00 (161.70 to 162.70): BF1  
 Ion 160.00 (159.70 to 160.70): BF1

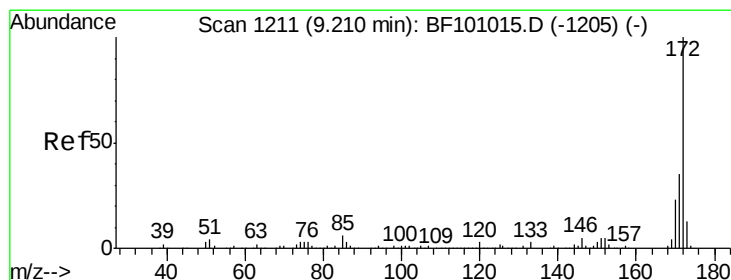
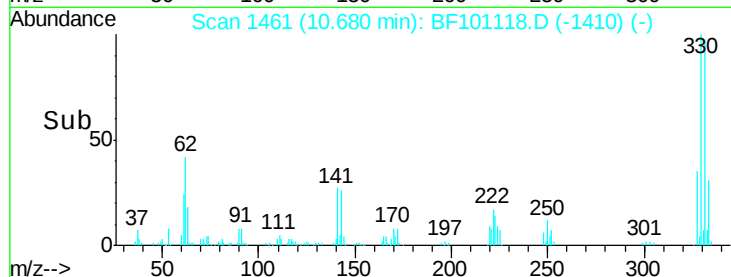
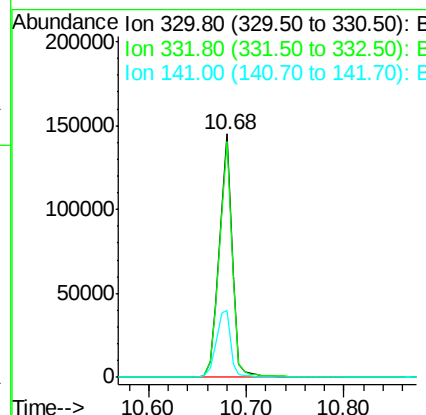
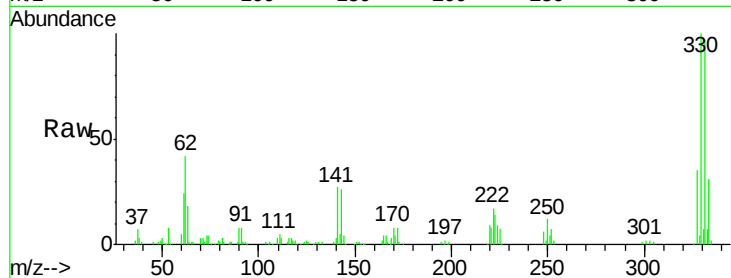




#41  
 2,4,6-Tribromophenol  
 Concen: 119.888 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. 0.00 min  
 Lab File: BF101118.D  
 Acq: 5 Dec 2017 12:27

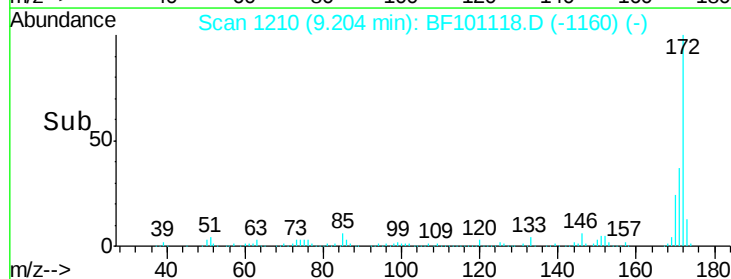
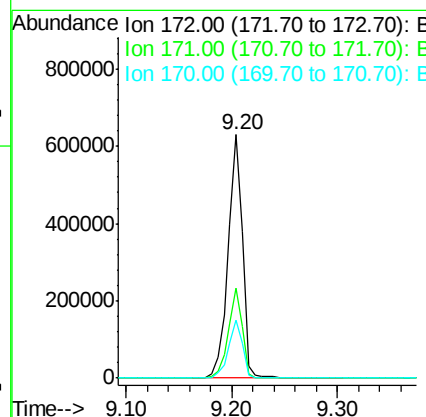
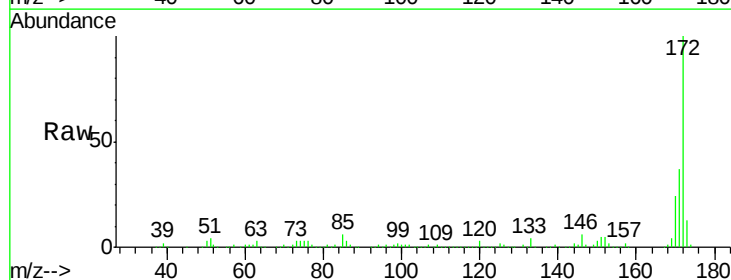
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104707BL

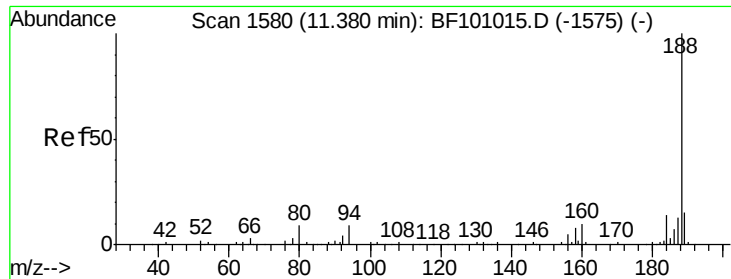
| Tot Ion   | 330  | Resp  | 134573 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 330       | 100  |       |        |
| 332       | 97.5 | 77.0  | 115.6  |
| 141       | 30.4 | 29.9  | 44.9   |



#44  
 2-Fluorobiphenyl  
 Concen: 88.051 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF101118.D  
 Acq: 5 Dec 2017 12:27

| Tgt Ion   | 172  | Resp  | 601344 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 172       | 100  |       |        |
| 171       | 36.8 | 29.7  | 44.5   |
| 170       | 24.0 | 19.6  | 29.4   |

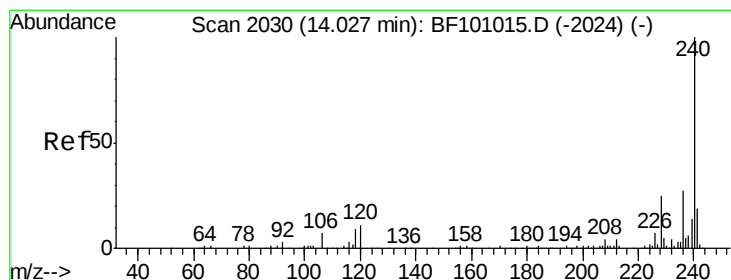
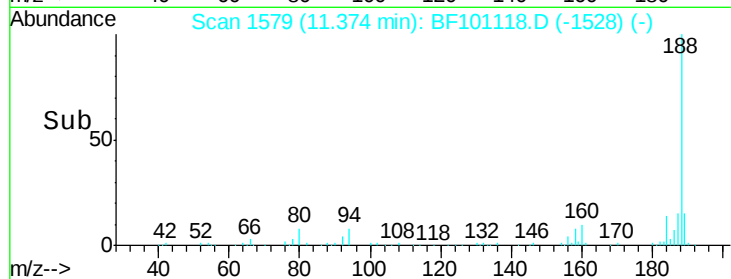
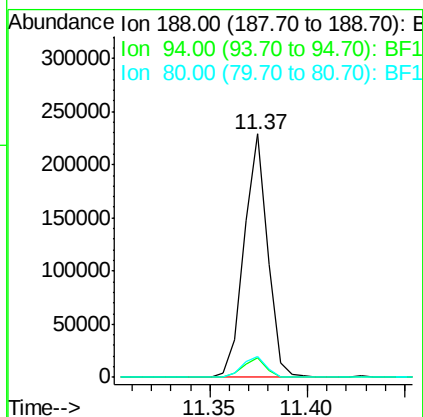
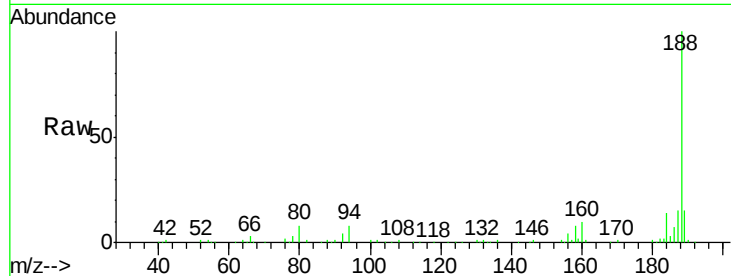




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1579  
Delta R.T. 0.00 min  
Lab File: BF101118.D  
Acq: 5 Dec 2017 12:27

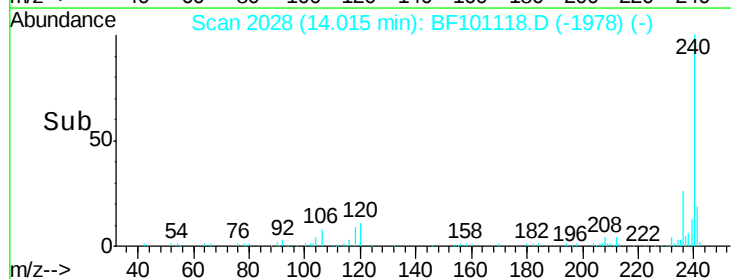
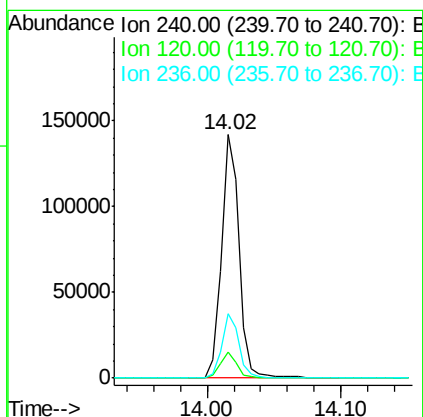
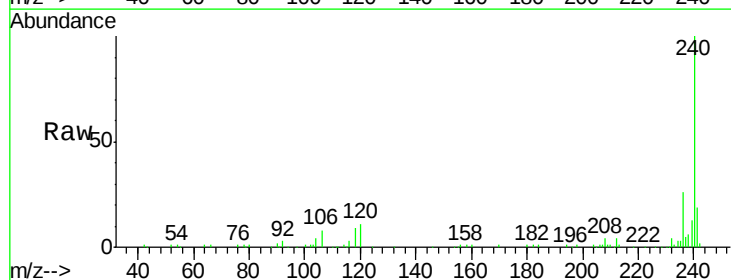
Instrument :  
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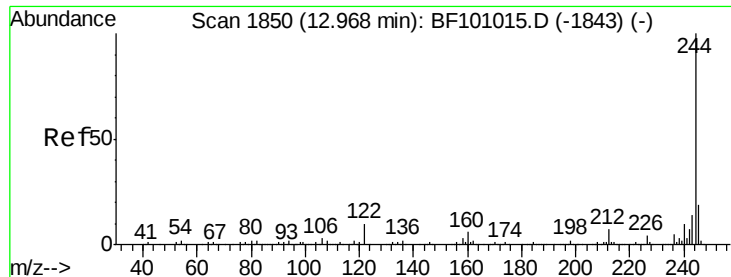
Tot Ion:188 Resp: 191509  
Ion Ratio Lower Upper  
188 100  
94 7.8 8.5 12.7#  
80 8.4 9.2 13.8#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: BF101118.D  
Acq: 5 Dec 2017 12:27

Tgt Ion:240 Resp: 132353  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.5 14.3  
236 26.4 20.7 31.1

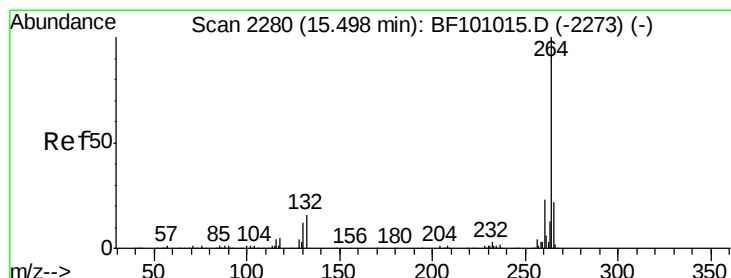
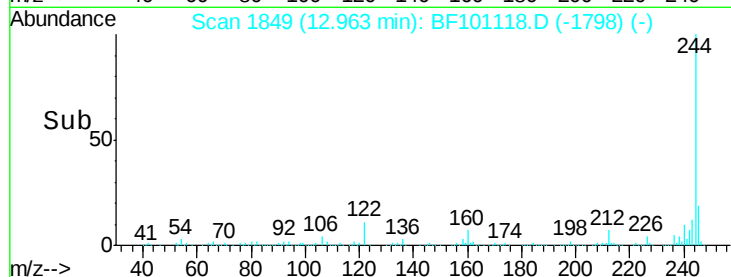
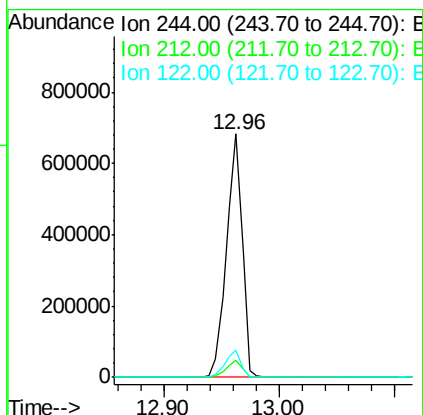
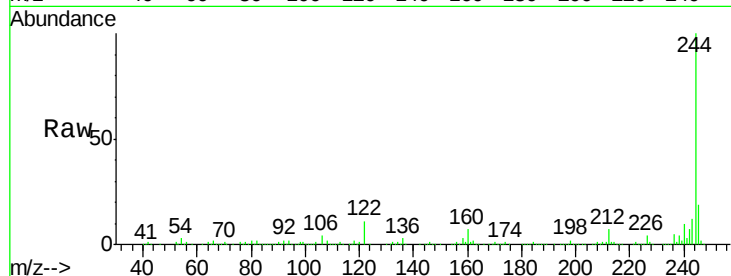




#78  
 Terphenyl-d14  
 Concen: 106.325 ng  
 RT: 12.96 min Scan# 1849  
 Delta R.T. 0.00 min  
 Lab File: BF101118.D  
 Acq: 5 Dec 2017 12:27

Instrument :  
 BNA\_F  
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Tot Ion:244 Resp: 643384  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.4 8.0  
 122 11.1 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: BF101118.D  
 Acq: 5 Dec 2017 12:27

Tgt Ion:264 Resp: 104274  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.2 28.8  
 265 20.6 17.5 26.3

