

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\  
 Data File : BF104350.D  
 Acq On : 7 Apr 2018 11:09  
 Operator : JU/SJ  
 Sample : J2255-05  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 040418-JETB-E-U-M

Quant Time: Apr 09 01:16:35 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 06 16:44:53 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 150193   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 598618   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.84  | 164  | 257792   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.33 | 188  | 384964   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 299065   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.43 | 264  | 273356   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 390331   | 39.74  | ng    | 0.00     |
| 7) Phenol-d6                | 6.42  | 99   | 291016   | 24.11  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 921241   | 100.49 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 208448   | 77.95  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 1501759  | 92.03  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 1054081  | 80.35  | ng    | 0.00     |

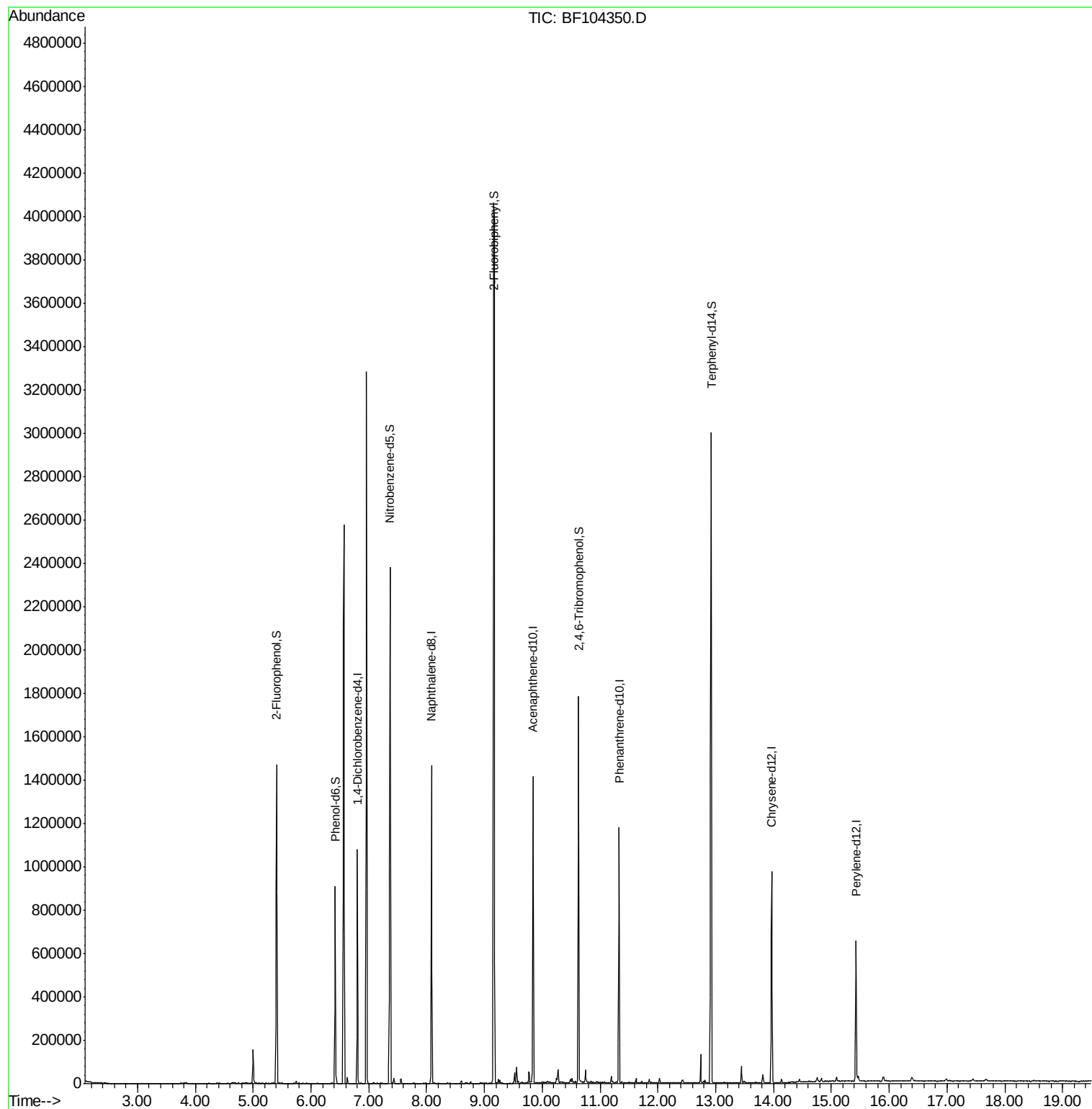
Target Compounds Qvalue

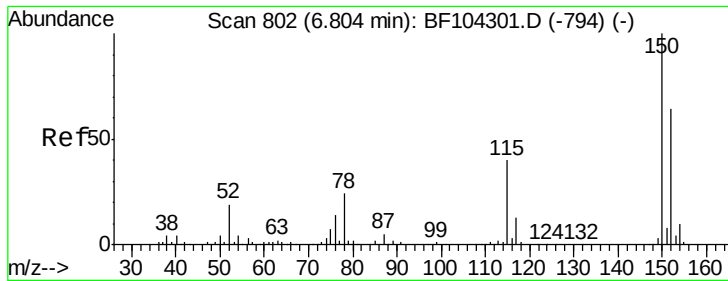
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
040418-JETB-E-U-M

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



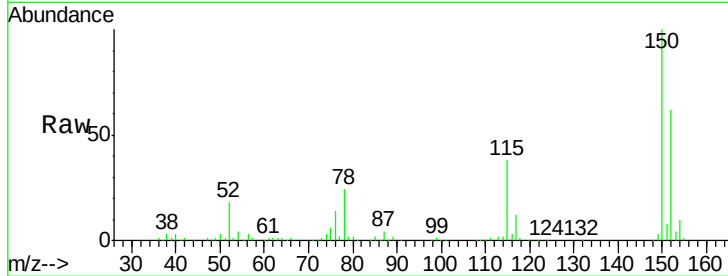


#1

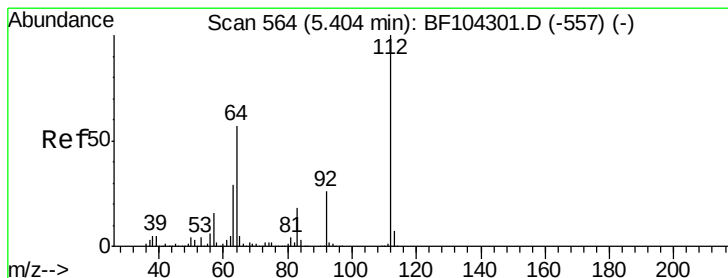
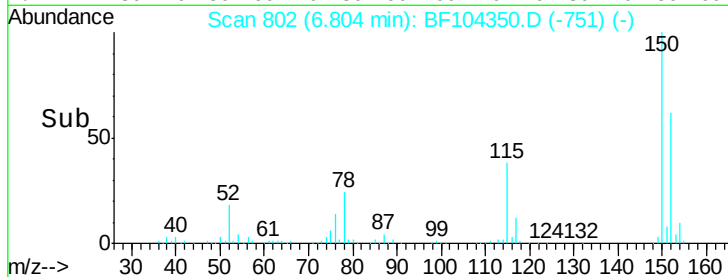
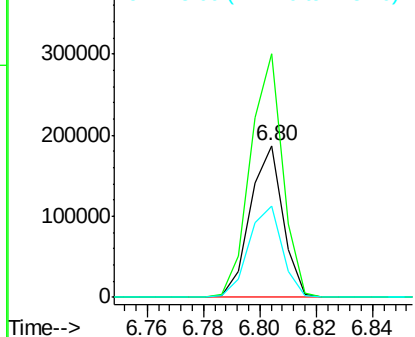
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BF104350.D  
Acq: 7 Apr 2018 11:09

Instrument :  
BNA\_F  
ClientSampleId :  
040418-JETB-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.2 | 124.6 | 186.8 |
| 115     | 60.4  | 50.1  | 75.1  |



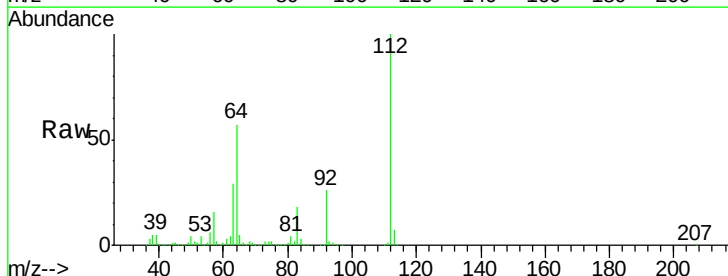
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



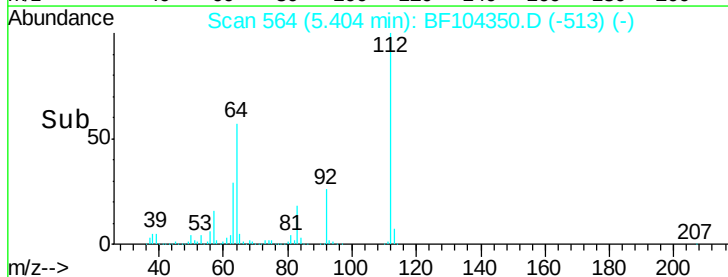
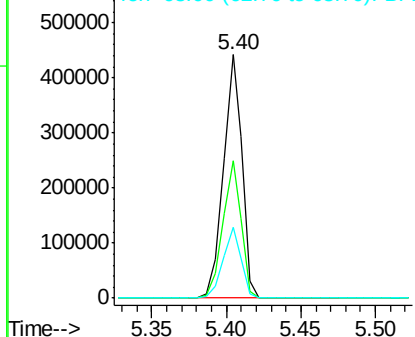
#5

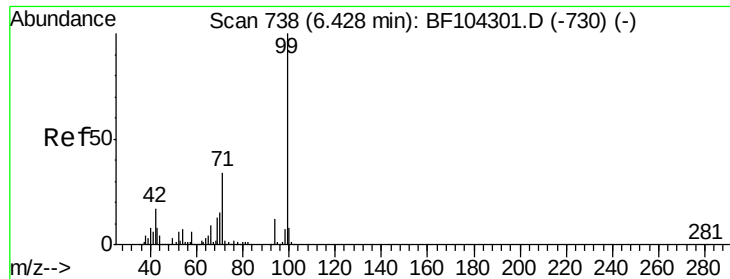
2-Fluorophenol  
Concen: 39.738 ng  
RT: 5.40 min Scan# 564  
Delta R.T. -0.00 min  
Lab File: BF104350.D  
Acq: 7 Apr 2018 11:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.6  | 47.9  | 71.9  |
| 63      | 29.0  | 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: 24.113 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104350.D

Acq: 7 Apr 2018 11:09

Instrument :

BNA\_F

ClientSampleId :

040418-JETB-E-U-M

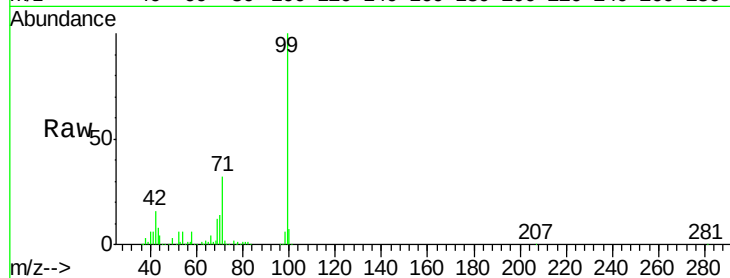
Tot Ion: 99 Resp: 291016

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

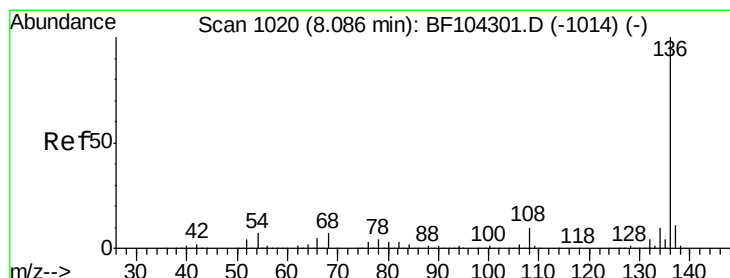
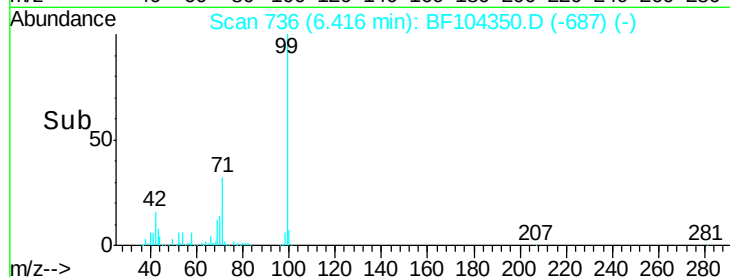
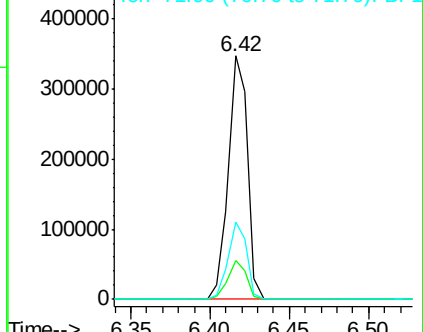
71 31.7 25.4 38.0



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: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104350.D

Acq: 7 Apr 2018 11:09

Tgt Ion: 136 Resp: 598618

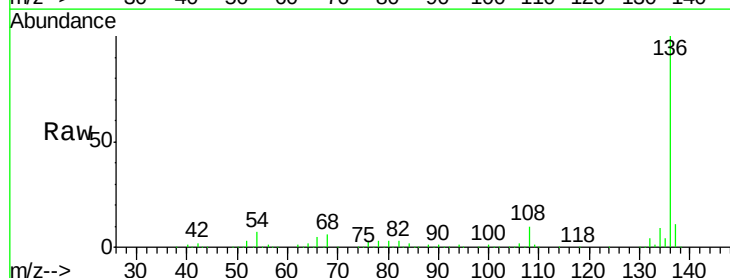
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.9 6.6 9.8

68 6.3 5.0 7.4

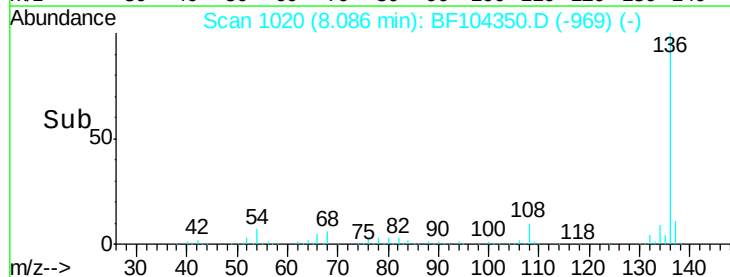
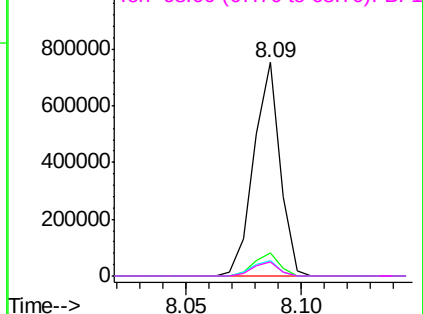


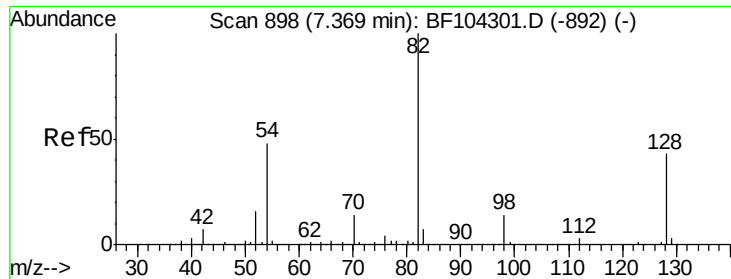
Abundance Ion 136.00 (135.70 to 136.70): E

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

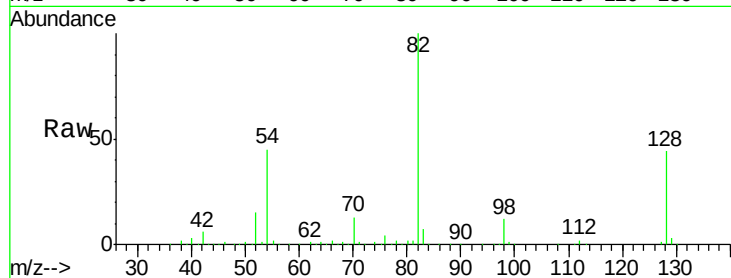




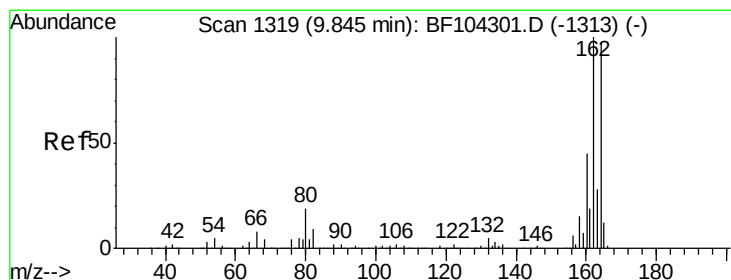
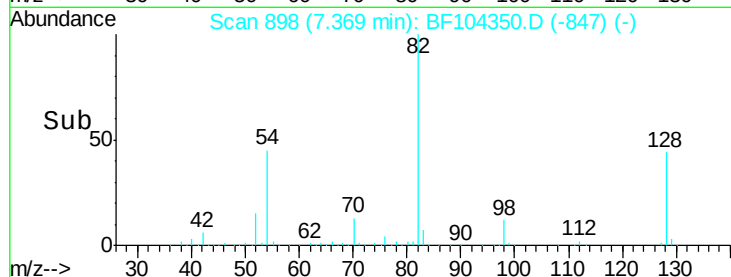
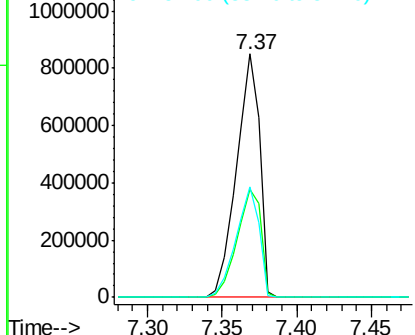
#23  
 Nitrobenzene-d5  
 Concen: 100.490 ng  
 RT: 7.37 min Scan# 898  
 Delta R.T. -0.00 min  
 Lab File: BF104350.D  
 Acq: 7 Apr 2018 11:09

Instrument :  
 BNA\_F  
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 040418-JETB-E-U-M

Tot Ion: 82 Resp: 921241  
 Ion Ratio Lower Upper  
 82 100  
 128 44.1 36.1 54.1  
 54 45.4 41.4 62.2

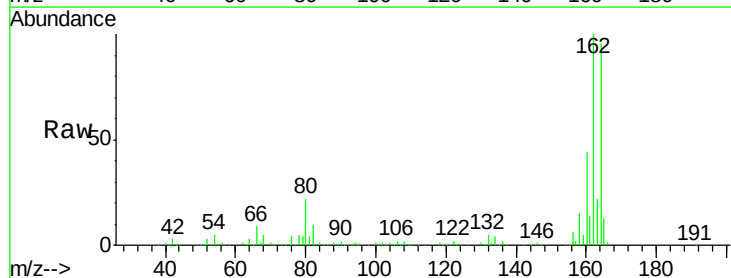


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

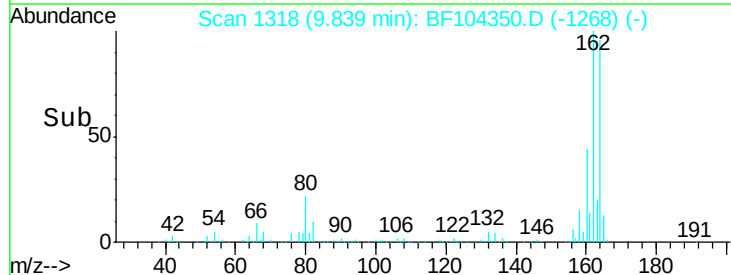
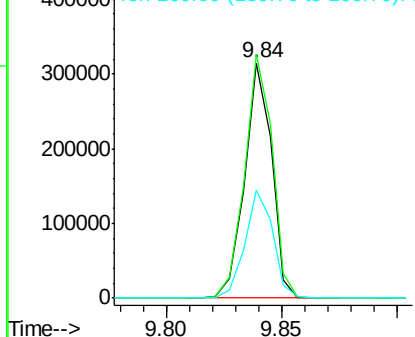


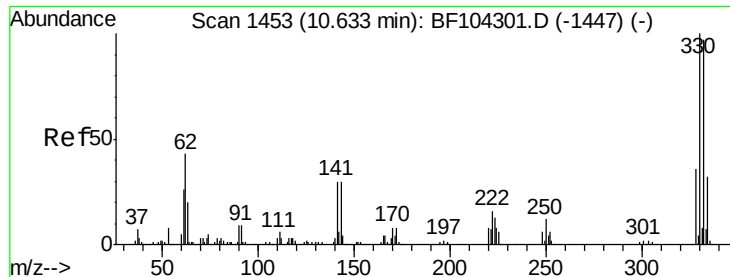
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.84 min Scan# 1318  
 Delta R.T. -0.01 min  
 Lab File: BF104350.D  
 Acq: 7 Apr 2018 11:09

Tgt Ion:164 Resp: 257792  
 Ion Ratio Lower Upper  
 164 100  
 162 103.7 86.1 129.1  
 160 45.7 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

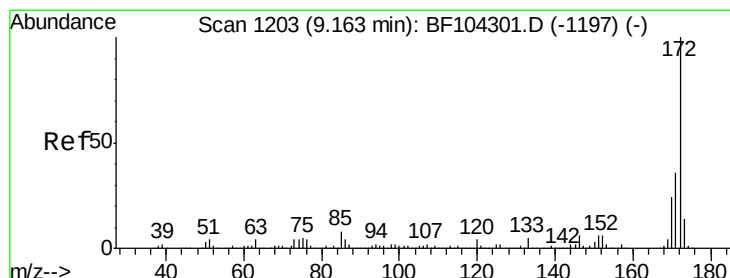
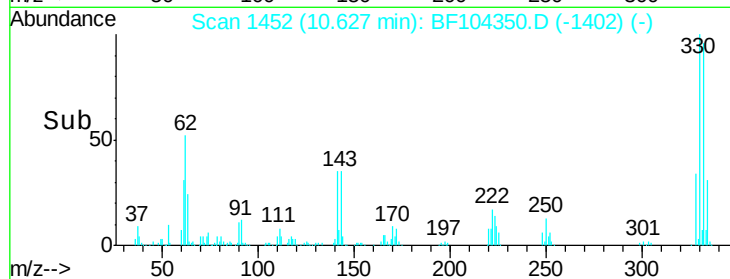
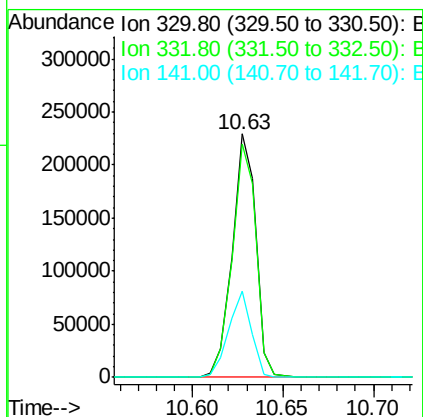
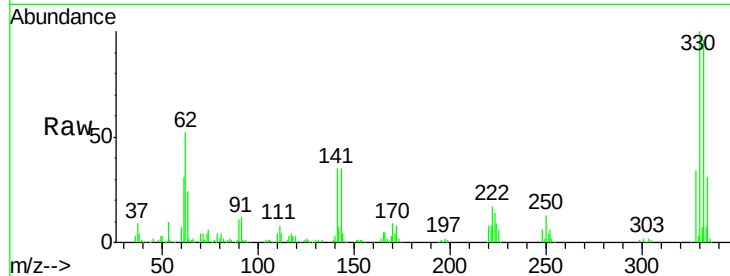




#41  
 2,4,6-Tribromophenol  
 Concen: 77.949 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. -0.01 min  
 Lab File: BF104350.D  
 Acq: 7 Apr 2018 11:09

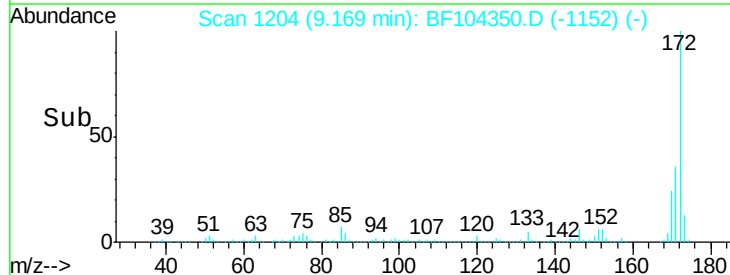
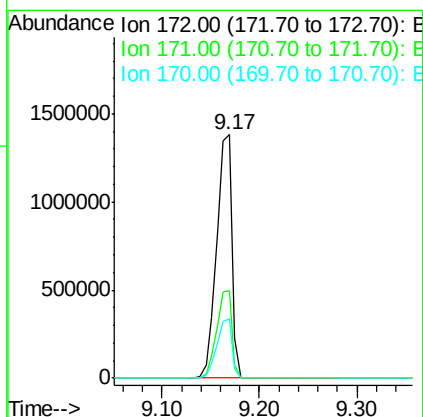
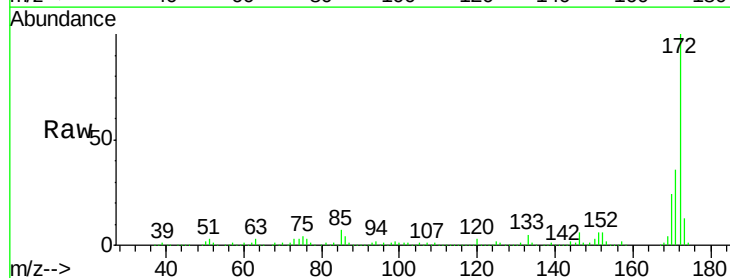
Instrument :  
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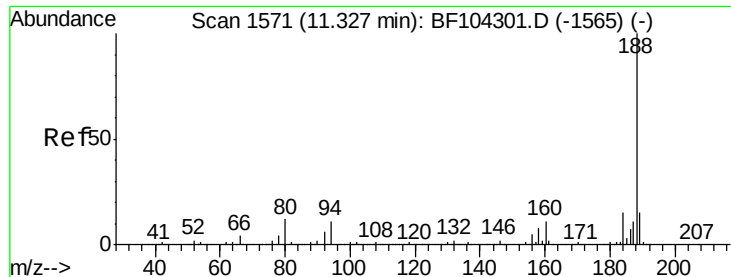
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 77.0  | 115.6 |
| 141     | 34.5  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 92.028 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. 0.01 min  
 Lab File: BF104350.D  
 Acq: 7 Apr 2018 11:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.7  | 44.5  |
| 170     | 24.4  | 19.6  | 29.4  |

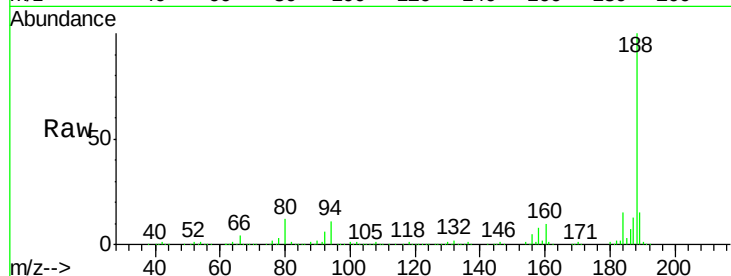




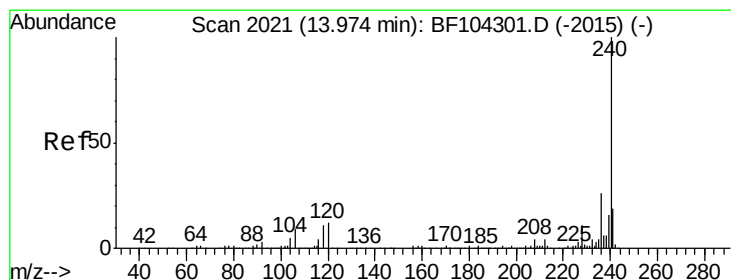
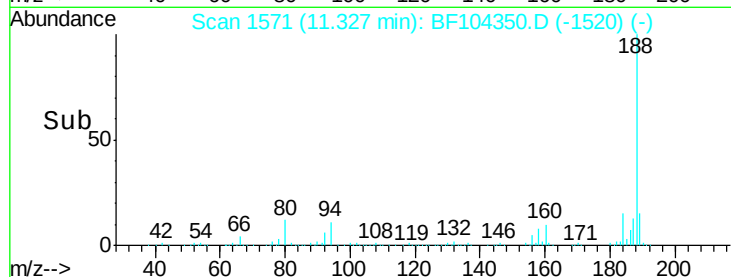
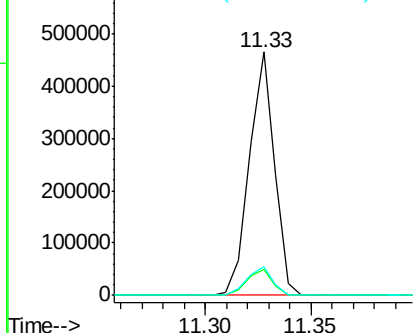
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. -0.00 min  
Lab File: BF104350.D  
Acq: 7 Apr 2018 11:09

Instrument :  
BNA\_F  
ClientSampleId :  
040418-JETB-E-U-M

Tot Ion:188 Resp: 384964  
Ion Ratio Lower Upper  
188 100  
94 10.9 8.5 12.7  
80 11.7 9.2 13.8

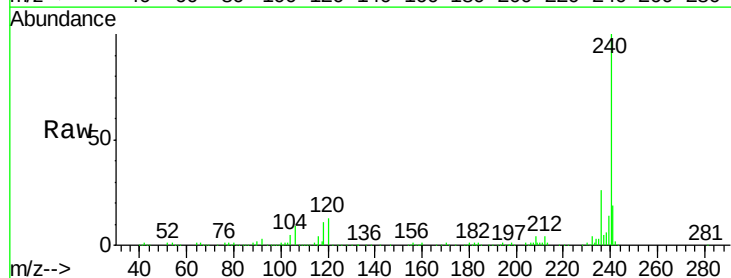


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

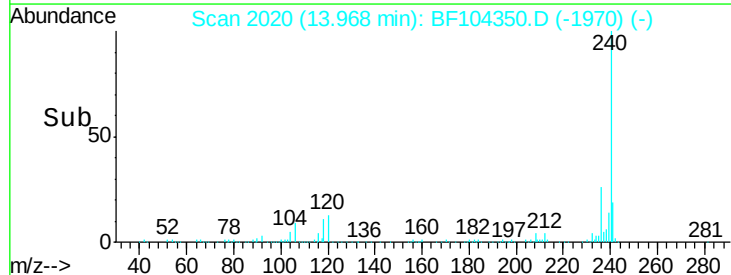
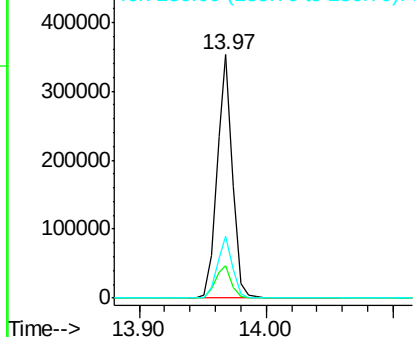


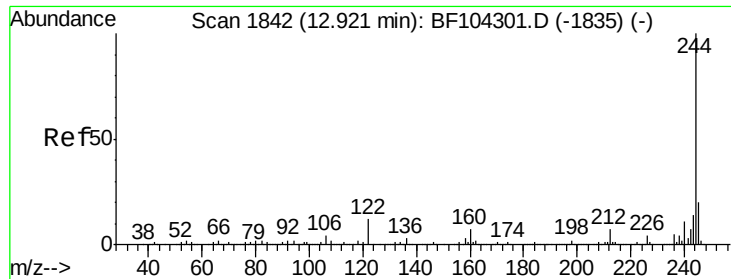
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF104350.D  
Acq: 7 Apr 2018 11:09

Tgt Ion:240 Resp: 299065  
Ion Ratio Lower Upper  
240 100  
120 13.2 9.5 14.3  
236 25.7 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

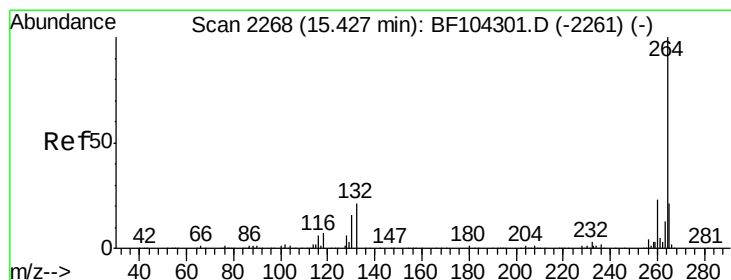
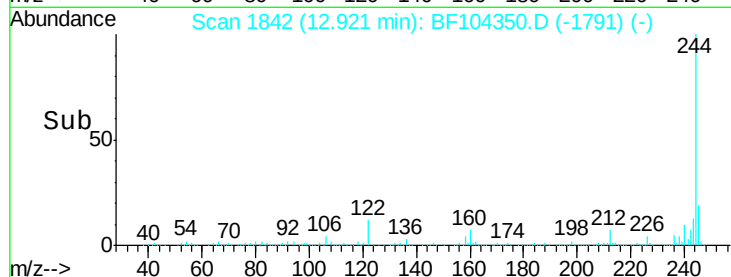
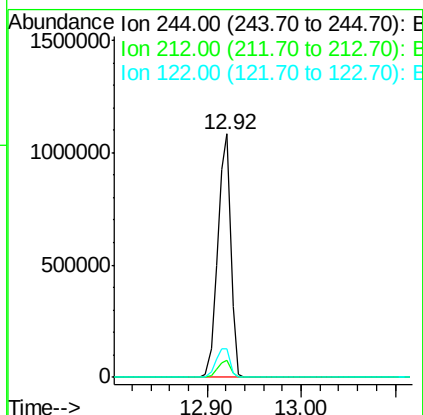
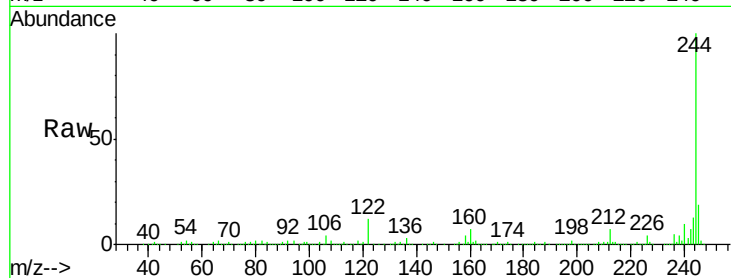




#78  
 Terphenyl-d14  
 Concen: 80.355 ng  
 RT: 12.92 min Scan# 1842  
 Delta R.T. -0.00 min  
 Lab File: BF104350.D  
 Acq: 7 Apr 2018 11:09

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Tot Ion:244 Resp: 1054081  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.0  
 122 11.7 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.43 min Scan# 2268  
 Delta R.T. -0.00 min  
 Lab File: BF104350.D  
 Acq: 7 Apr 2018 11:09

Tgt Ion:264 Resp: 273356  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 21.4 17.5 26.3

