

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\  
 Data File : BF110133.D  
 Acq On : 25 Oct 2018 00:31  
 Operator : JU/SJ  
 Sample : J5640-01  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 102218-JETT-F-D-B

Quant Time: Oct 25 05:11:37 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 23 15:06:18 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 133616   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.25  | 136  | 483983   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 10.01 | 164  | 186791   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.50 | 188  | 298176   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.15 | 240  | 243809   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.68 | 264  | 167525   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 306560   | 37.36  | ng    | -0.01    |
| 7) Phenol-d6                | 6.58  | 99   | 233416   | 22.24  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 792992   | 97.18  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.80 | 330  | 133897   | 72.37  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.33  | 172  | 1341658  | 112.79 | ng    | -0.01    |
| 79) Terphenyl-d14           | 13.09 | 244  | 1084919  | 92.54  | ng    | -0.01    |

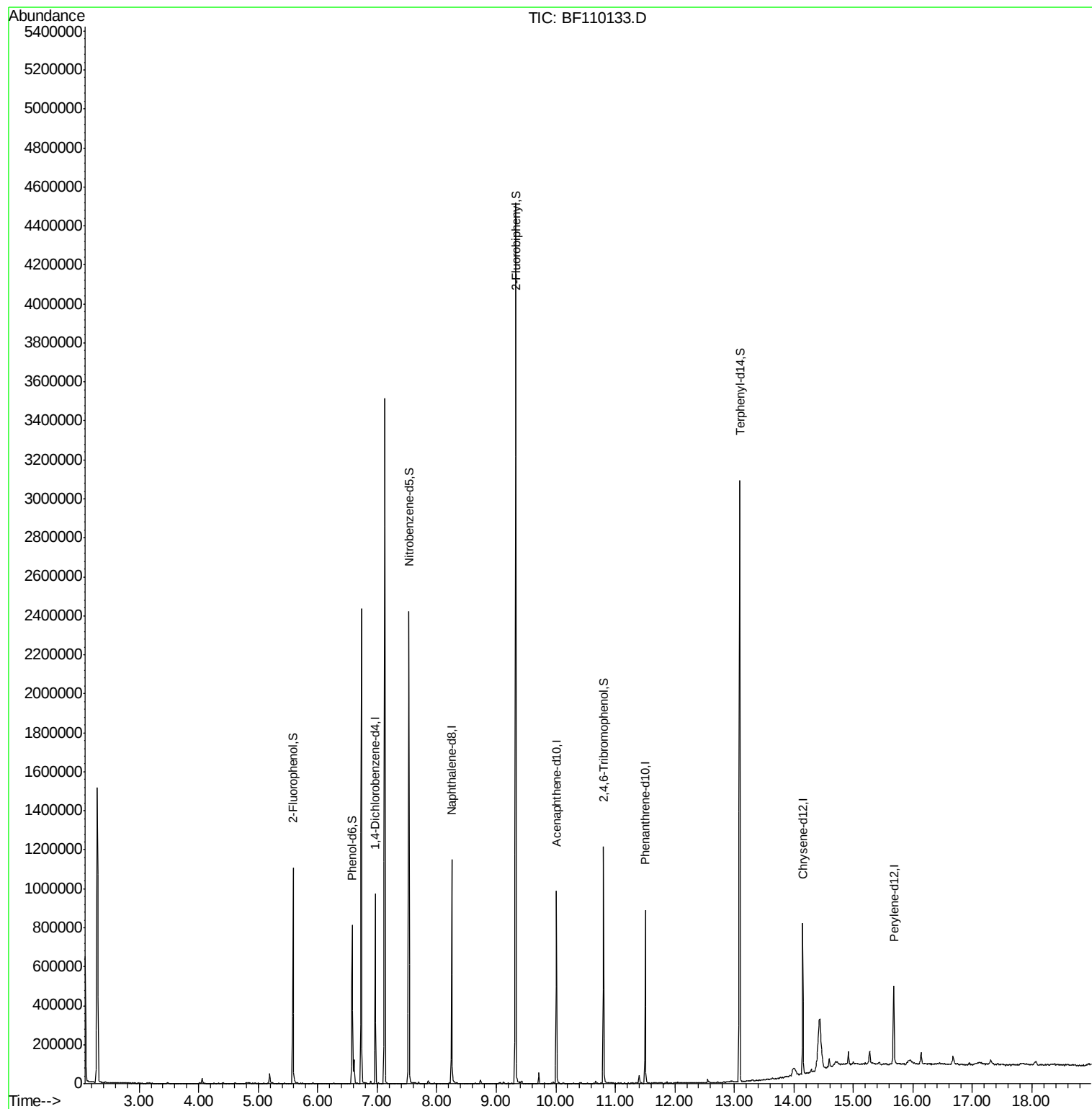
Target Compounds Qvalue

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

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102218-JETT-F-D-B

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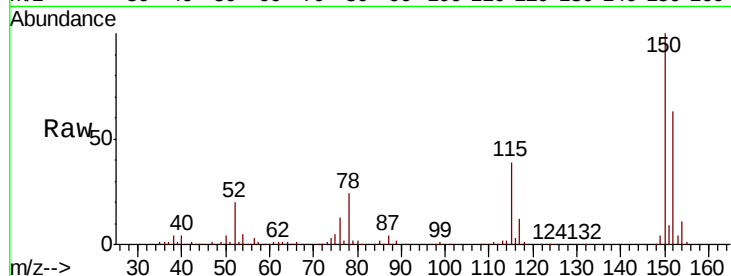


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BF110133.D  
Acq: 25 Oct 2018 00:31

Instrument :  
BNA\_F  
ClientSampleId :  
102218-JETT-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.3 | 122.7 | 184.1 |
| 115     | 61.4  | 49.1  | 73.7  |

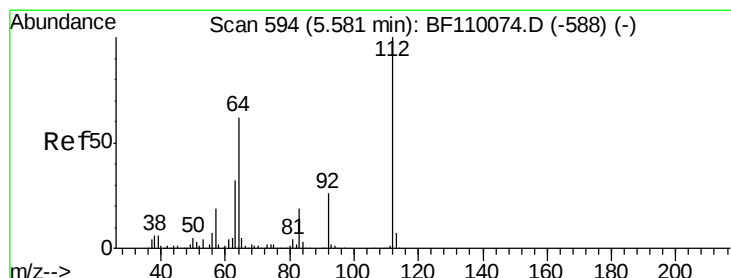
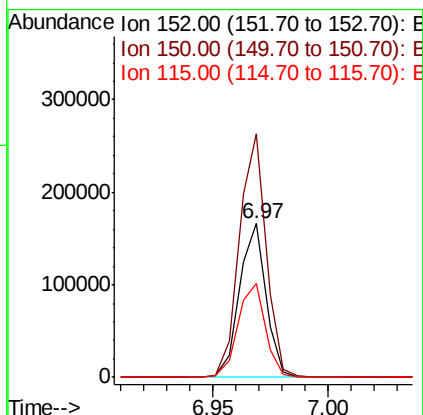
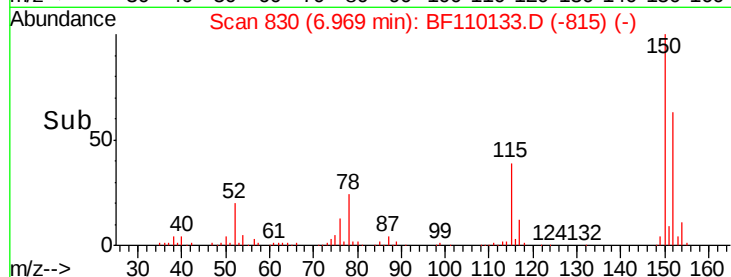


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

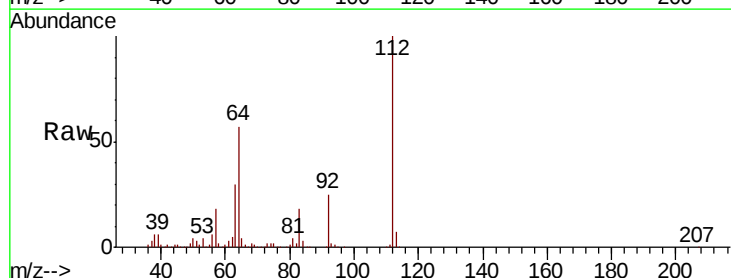
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 37.362 ng  
RT: 5.59 min Scan# 595  
Delta R.T. -0.01 min  
Lab File: BF110133.D  
Acq: 25 Oct 2018 00:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.7  | 44.1  | 66.1  |
| 63      | 29.5  | 23.7  | 35.5  |

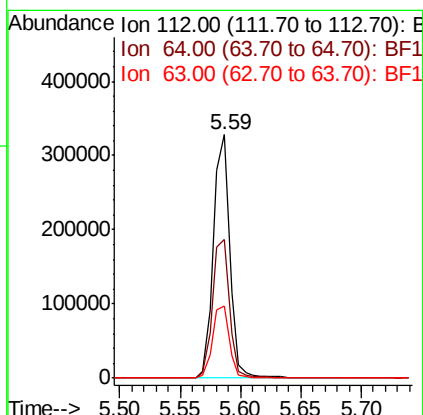
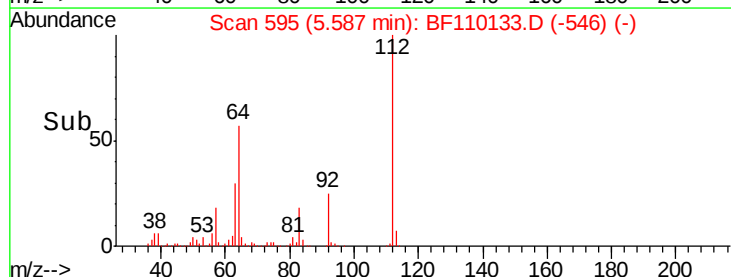


Abundance

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: 22.241 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110133.D

Acq: 25 Oct 2018 00:31

Instrument :

BNA\_F

ClientSampleId :

102218-JETT-F-D-B

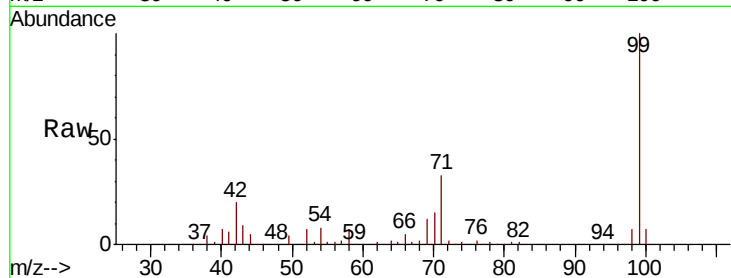
Tot Ion: 99 Resp: 233416

Ion Ratio Lower Upper

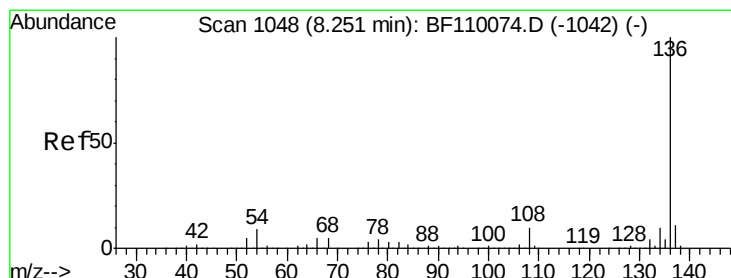
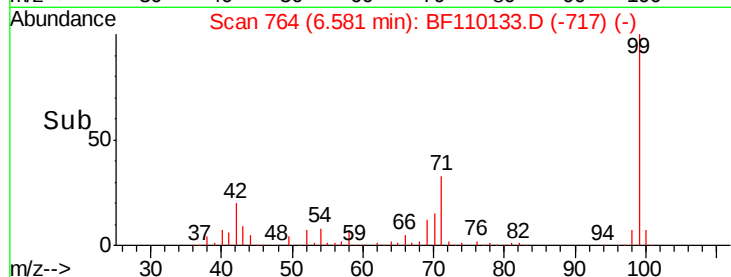
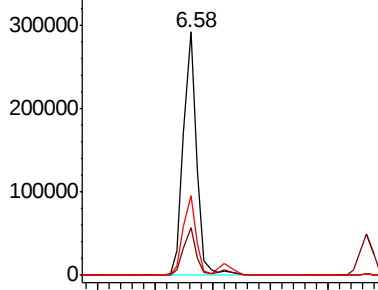
99 100

42 19.6 15.8 23.6

71 33.0 28.0 42.0



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: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110133.D

Acq: 25 Oct 2018 00:31

Tgt Ion: 136 Resp: 483983

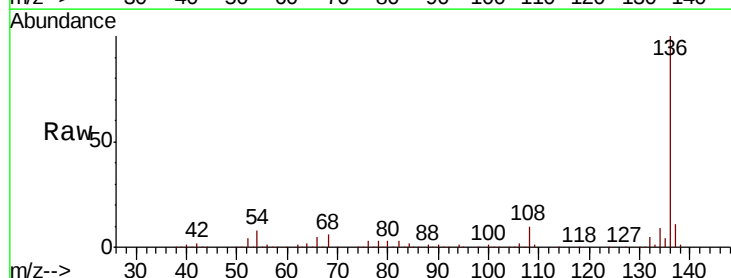
Ion Ratio Lower Upper

136 100

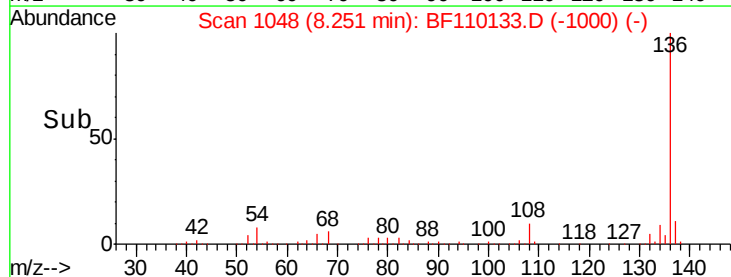
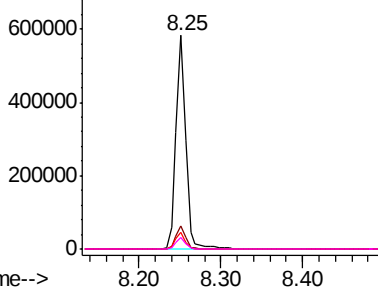
137 10.6 8.8 13.2

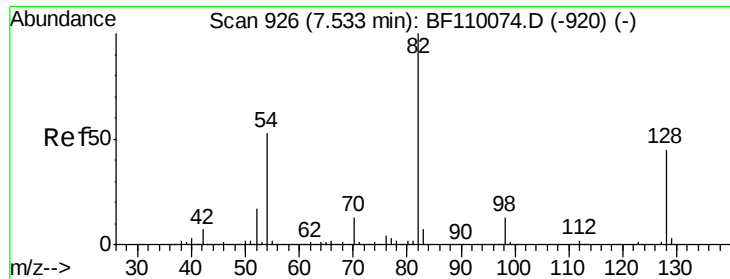
54 7.9 5.4 8.2

68 5.5 4.2 6.2



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

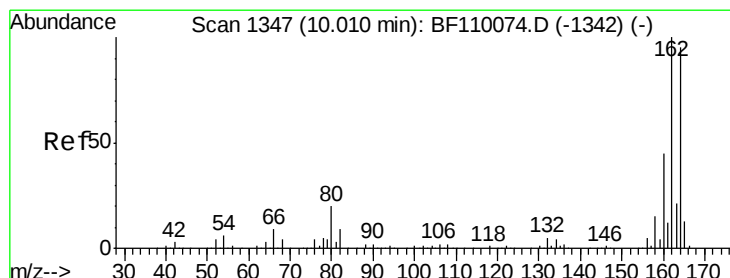
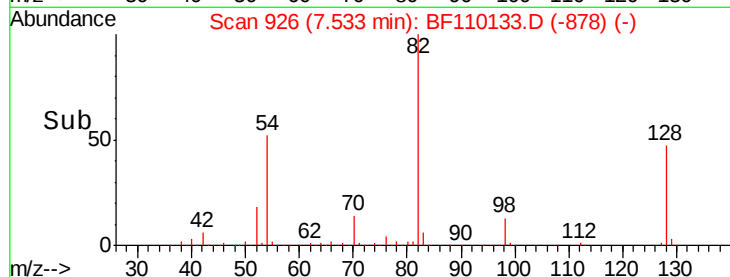
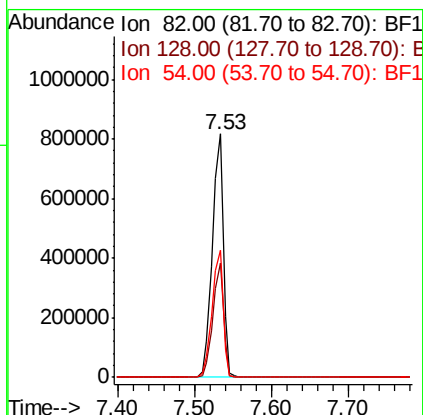
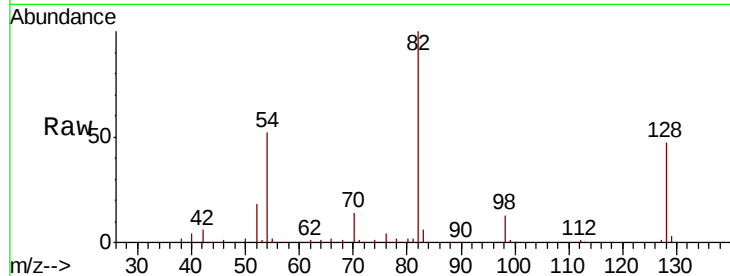




#23  
Nitrobenzene-d5  
Concen: 97.183 ng  
RT: 7.53 min Scan# 926  
Delta R.T. -0.02 min  
Lab File: BF110133.D  
Acq: 25 Oct 2018 00:31

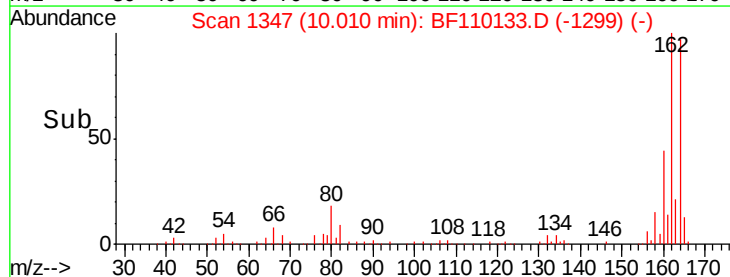
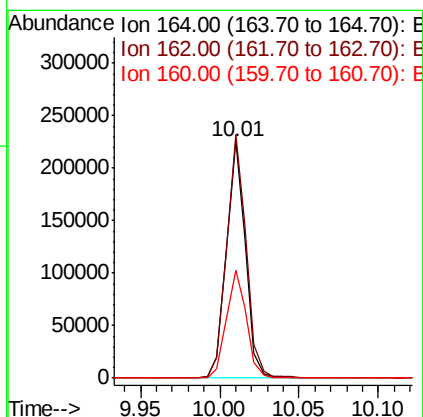
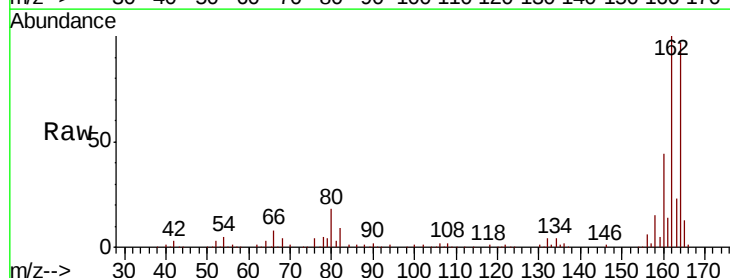
Instrument :  
BNA\_F  
ClientSampleId :  
102218-JETT-F-D-B

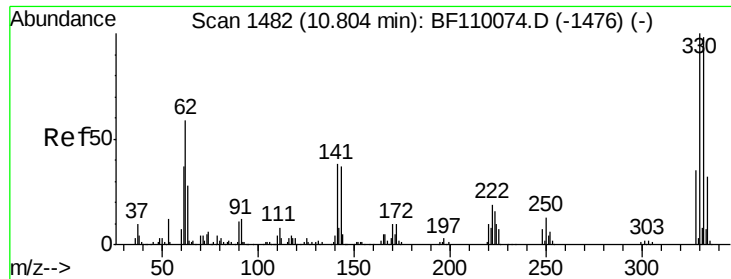
| Tot Ion   | 82    | Resp  | 792992 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.9  | 34.2  | 51.2   |
| 54        | 52.4  | 38.6  | 58.0   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1347  
Delta R.T. -0.02 min  
Lab File: BF110133.D  
Acq: 25 Oct 2018 00:31

| Tgt Ion   | 164   | Resp  | 186791 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.7 | 83.0  | 124.6  |
| 160       | 45.5  | 37.0  | 55.6   |

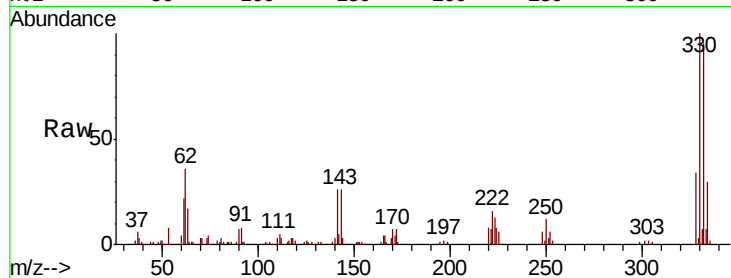




#42  
 2,4,6-Tribromophenol  
 Concen: 72.365 ng  
 RT: 10.80 min Scan# 1482  
 Delta R.T. -0.01 min  
 Lab File: BF110133.D  
 Acq: 25 Oct 2018 00:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 102218-JETT-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 77.1  | 115.7 |
| 141     | 37.2  | 27.0  | 40.4  |

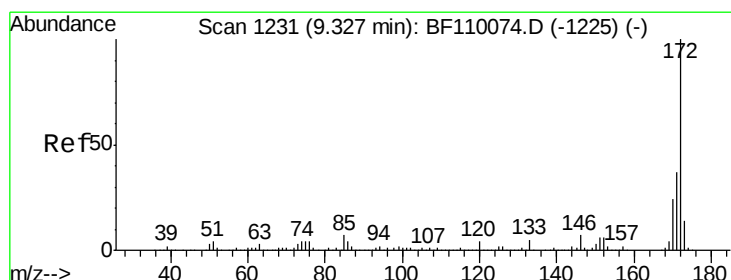
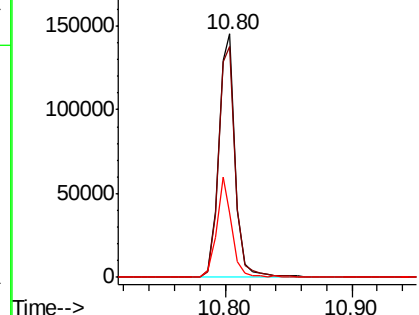
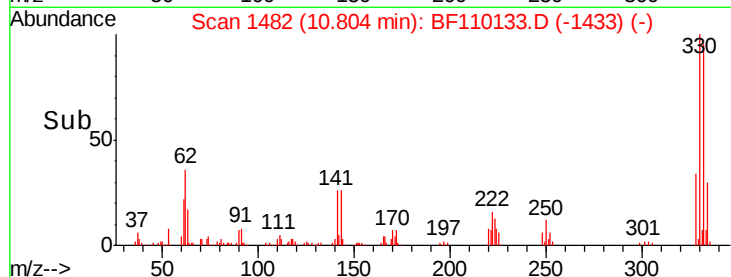


Abundance

Ion 329.80 (329.50 to 330.50): E

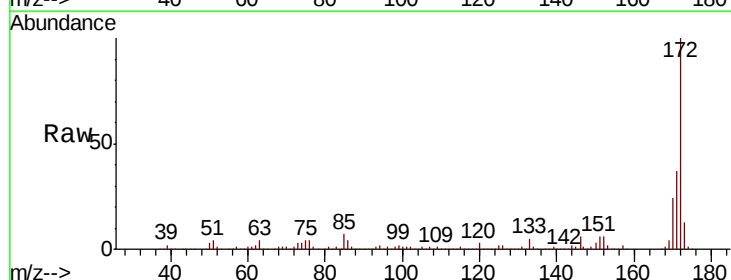
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 112.786 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.01 min  
 Lab File: BF110133.D  
 Acq: 25 Oct 2018 00:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 28.6  | 43.0  |
| 170     | 24.4  | 19.7  | 29.5  |

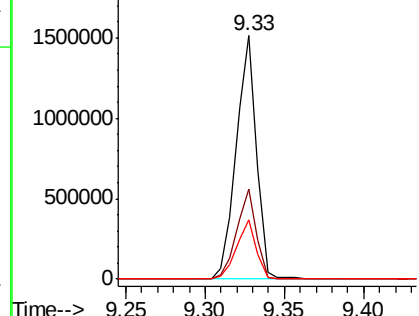
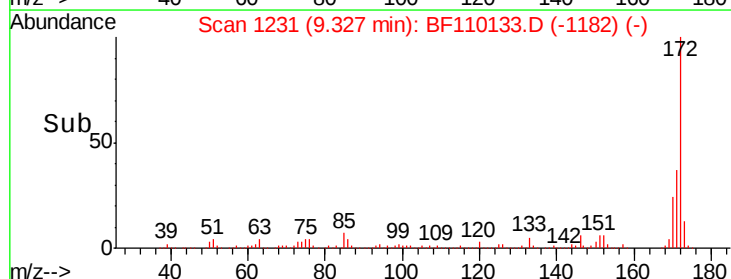


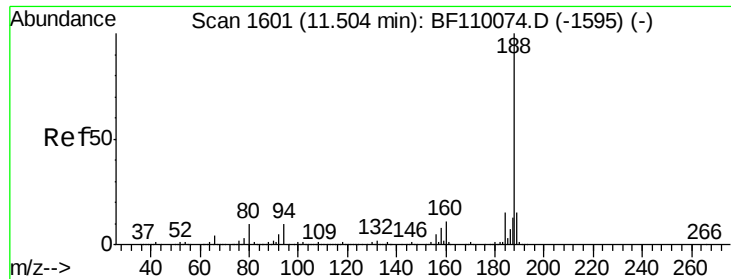
Abundance

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

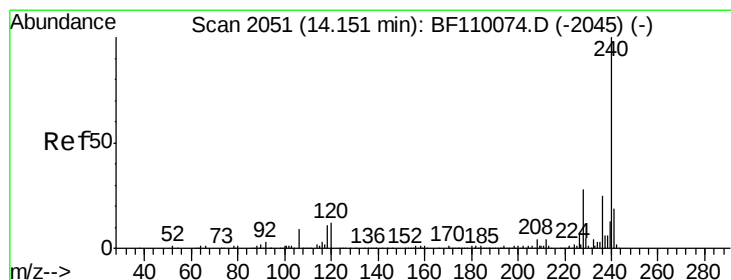
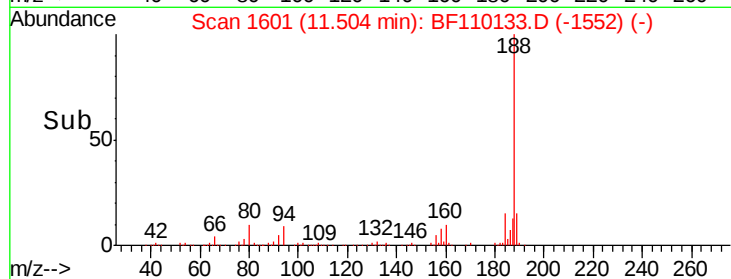
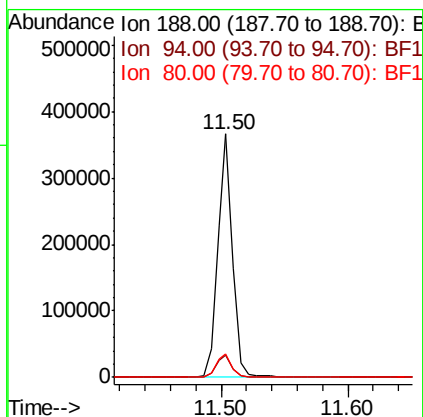
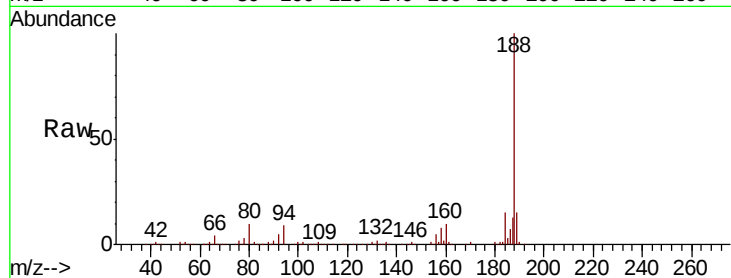




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: BF110133.D  
Acq: 25 Oct 2018 00:31

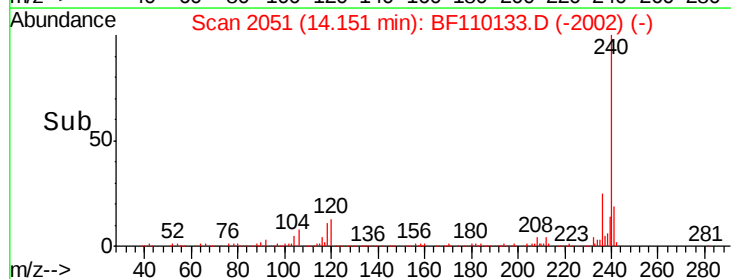
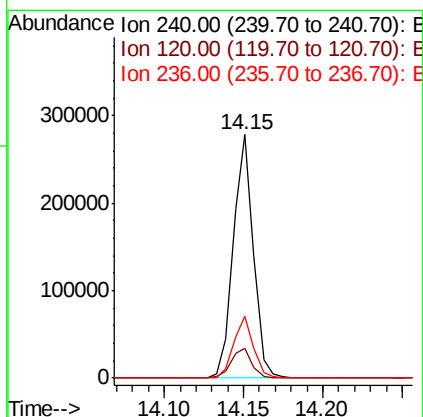
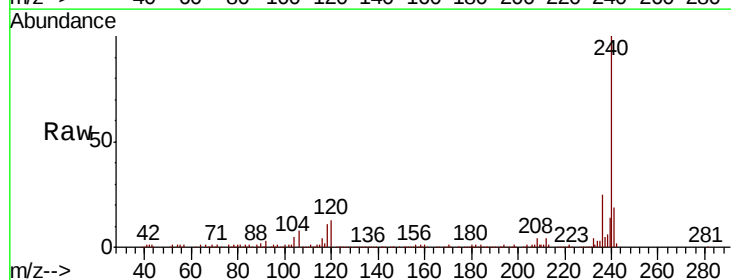
Instrument :  
BNA\_F  
ClientSampleId :  
102218-JETT-F-D-B

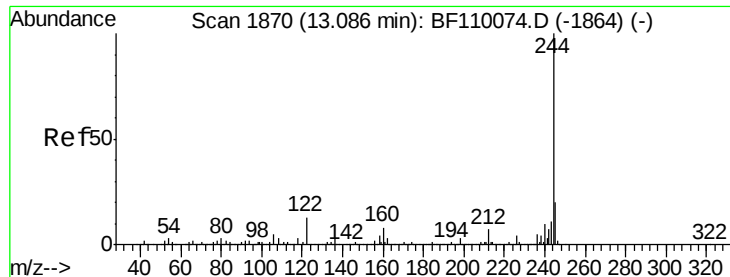
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 7.2   | 10.8  |
| 80      | 9.9   | 7.9   | 11.9  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2051  
Delta R.T. -0.01 min  
Lab File: BF110133.D  
Acq: 25 Oct 2018 00:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.5  | 8.3   | 12.5# |
| 236     | 25.3  | 21.2  | 31.8  |



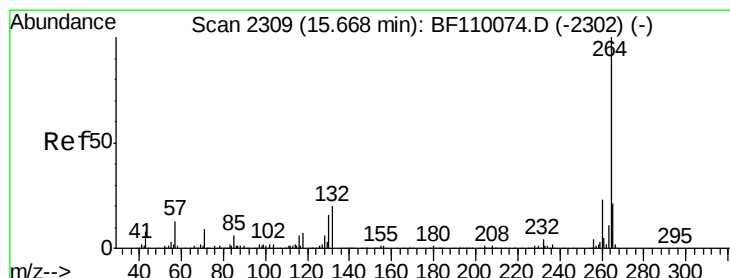
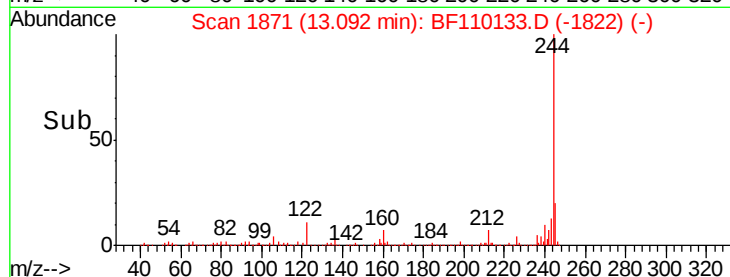
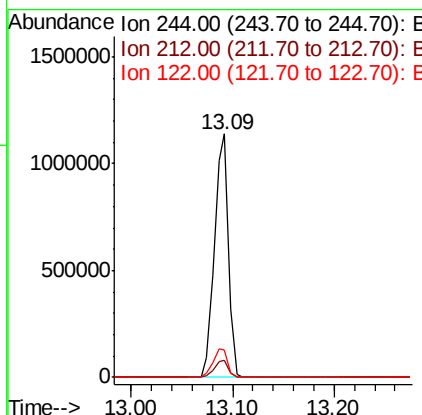
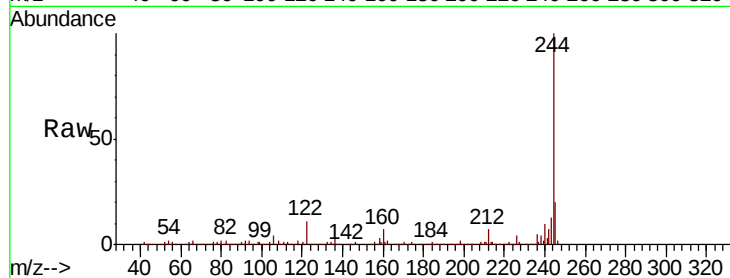


#79  
 Terphenyl-d14  
 Concen: 92.544 ng  
 RT: 13.09 min Scan# 1871  
 Delta R.T. -0.01 min  
 Lab File: BF110133.D  
 Acq: 25 Oct 2018 00:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 102218-JETT-F-D-B

Tot Ion:244 Resp: 1084919  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.8   | 5.8   | 8.8   |
| 122 | 11.2  | 8.7   | 13.1  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2311  
 Delta R.T. -0.01 min  
 Lab File: BF110133.D  
 Acq: 25 Oct 2018 00:31

Tgt Ion:264 Resp: 167525  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 18.7  | 28.1  |
| 265 | 21.1  | 16.7  | 25.1  |

