

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\  
 Data File : BF102306.D  
 Acq On : 22 Jan 2018 18:28  
 Operator : SJ/JU  
 Sample : J1228-25  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 23 00:09:31 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 22 13:38:42 2018  
 Response via : Initial Calibration

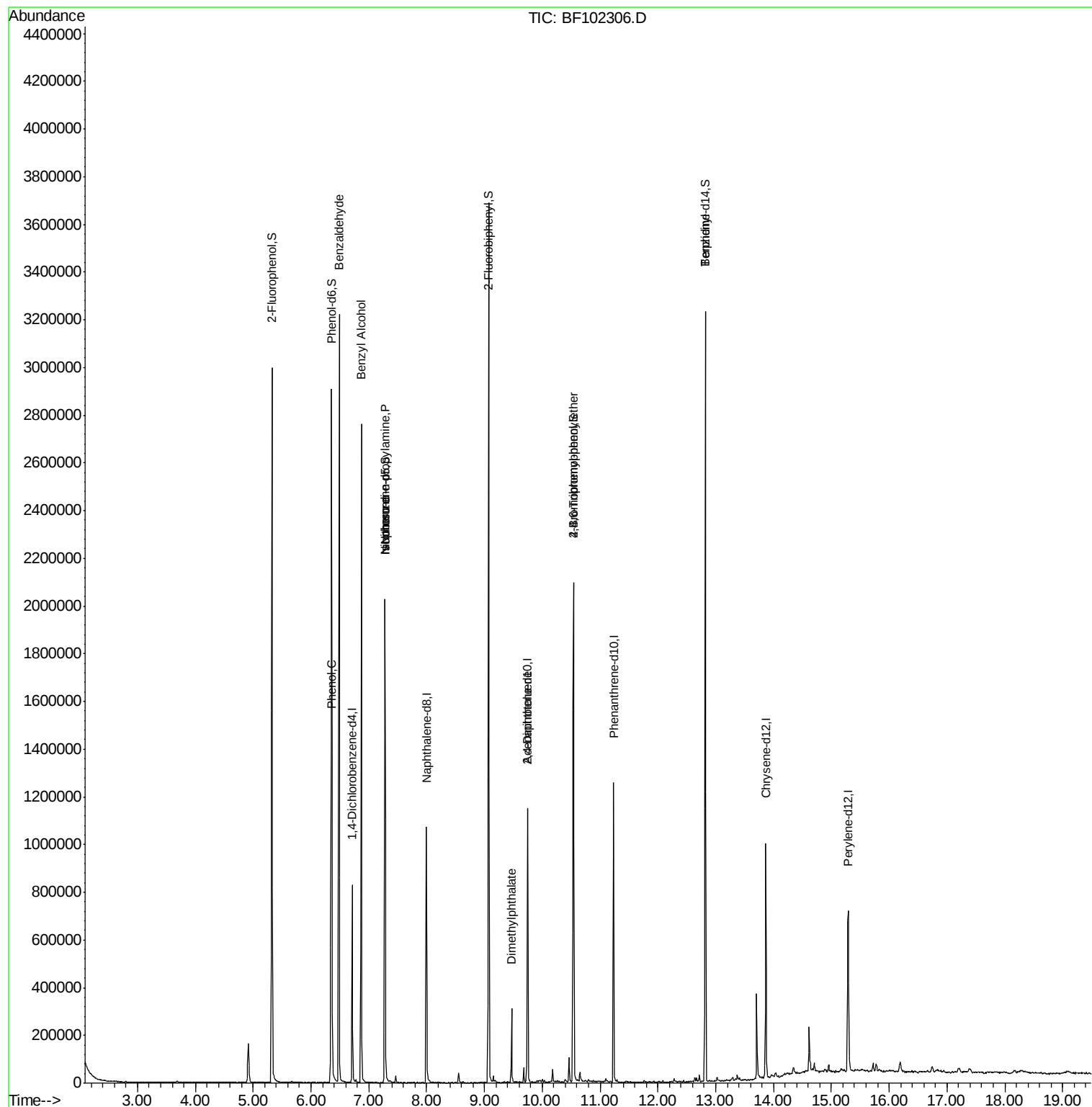
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 132933   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 555651   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 245934   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.23 | 188  | 425379   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.87 | 240  | 325607   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.29 | 264  | 285502   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 936611   | 106.83 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.36  | 99   | 1124807  | 106.42 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 698042   | 72.19  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.54 | 330  | 247057   | 101.38 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 1193410  | 71.35  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.82 | 244  | 1050890  | 72.76  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.49  | 77   | 19630    | 2.683  | ng    | 83       |
| 10) Phenol                     | 6.37  | 94   | 52998    | 4.593  | ng    | 98       |
| 15) Benzyl Alcohol             | 6.87  | 79   | 11421    | 1.531  | ng    | # 39     |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 91531    | 14.151 | ng    | # 79     |
| 25) Isophorone                 | 7.28  | 82   | 686400   | 39.820 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 124299   | 6.115  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 31420    | 5.830  | ng    | # 24     |
| 66) 4-Bromophenyl-phenylether  | 10.54 | 248  | 15543    | 3.394  | ng    | # 1      |
| 76) Benzidine                  | 12.82 | 184  | 13378    | 1.223  | ng    | # 95     |

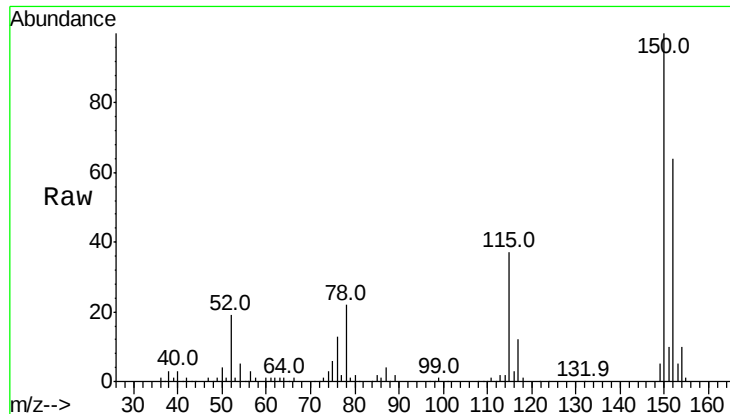
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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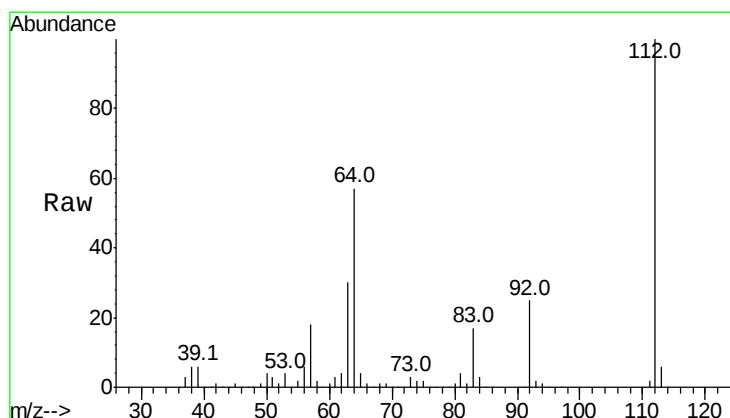
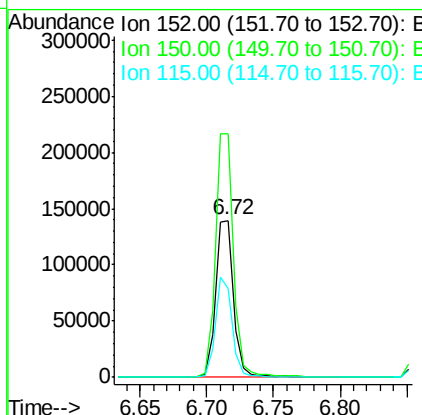
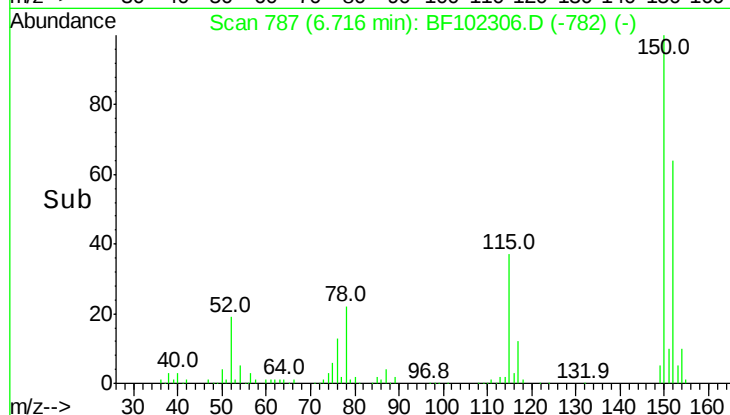




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 787  
 Delta R.T. -0.00 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

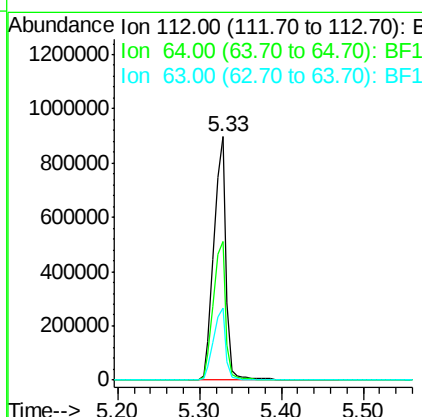
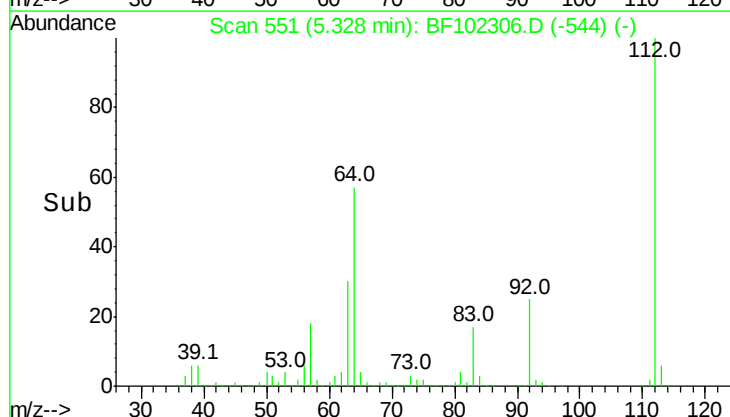
Instrument :  
 BNA\_F  
 ClientSampled :

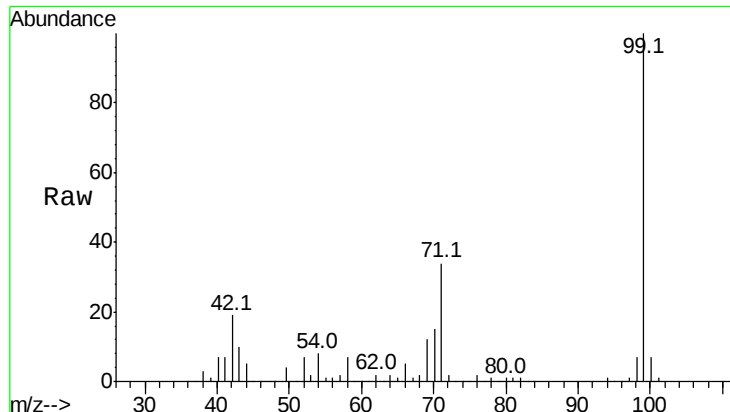
Tot Ion:152 Resp: 132933  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 124.6 186.8  
 115 57.0 50.1 75.1



#5  
 2-Fluorophenol  
 Concen: 106.832 ng  
 RT: 5.33 min Scan# 551  
 Delta R.T. 0.01 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

Tgt Ion:112 Resp: 936611  
 Ion Ratio Lower Upper  
 112 100  
 64 56.9 47.9 71.9  
 63 29.5 23.7 35.5





#7

Phenol-d6

Concen: 106.419 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102306.D

Acq: 22 Jan 2018 18:28

Instrument :

BNA\_F

ClientSampleId :

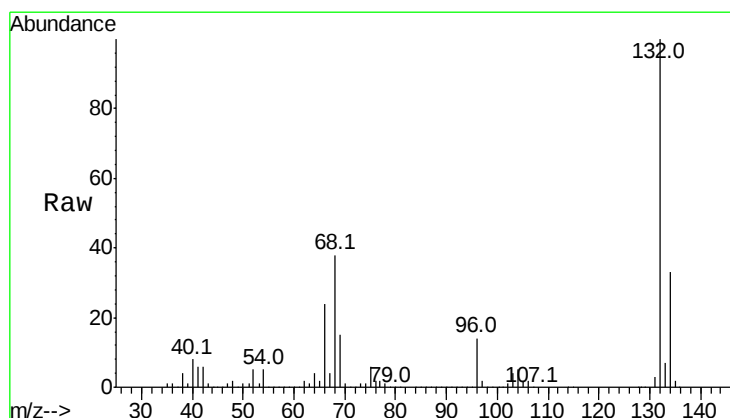
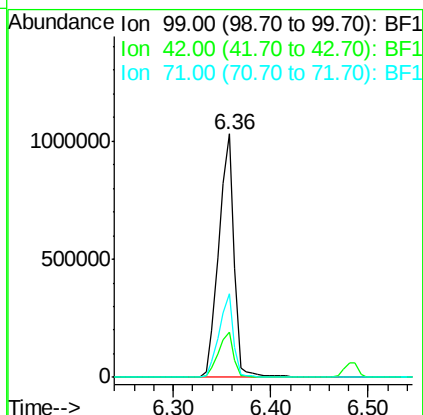
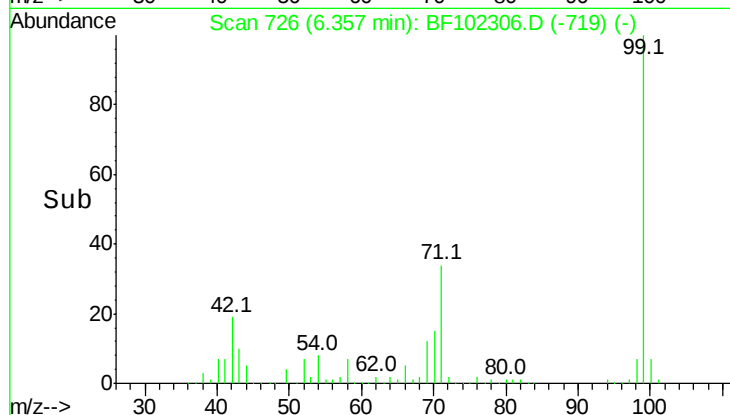
Tot Ion: 99 Resp: 1124807

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

71 34.2 25.4 38.0



#9

Benzaldehyde

Concen: 2.683 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102306.D

Acq: 22 Jan 2018 18:28

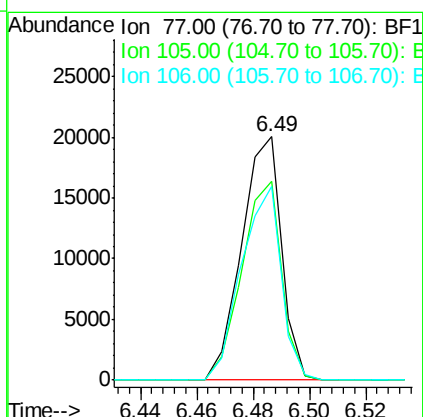
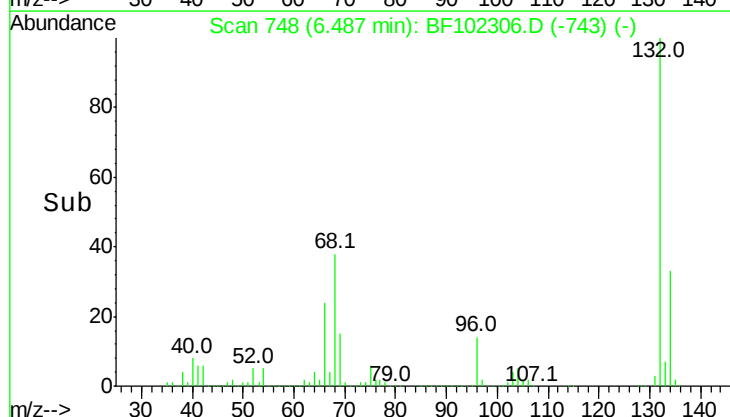
Tgt Ion: 77 Resp: 19630

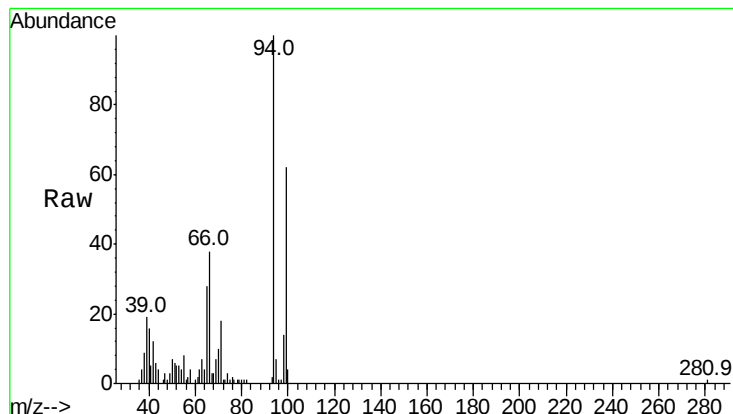
Ion Ratio Lower Upper

77 100

105 81.7 81.1 121.1

106 79.4 74.5 114.5

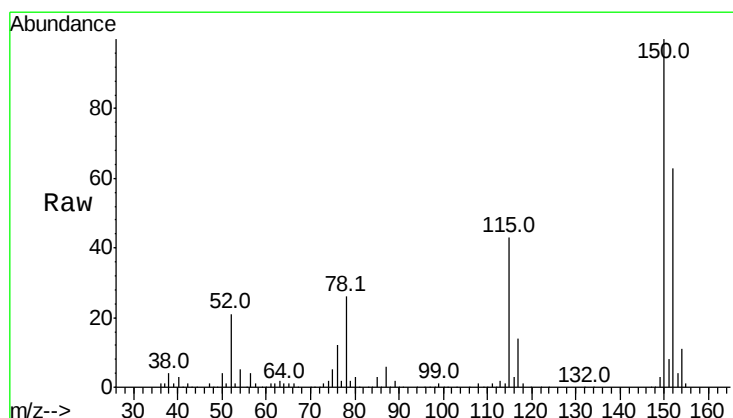
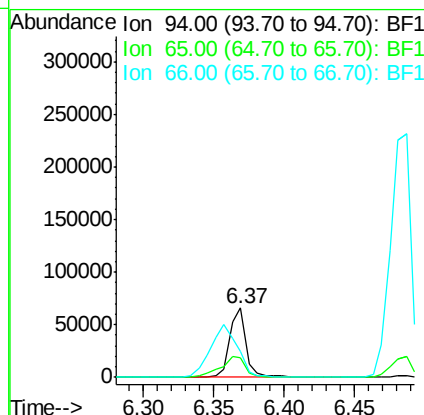
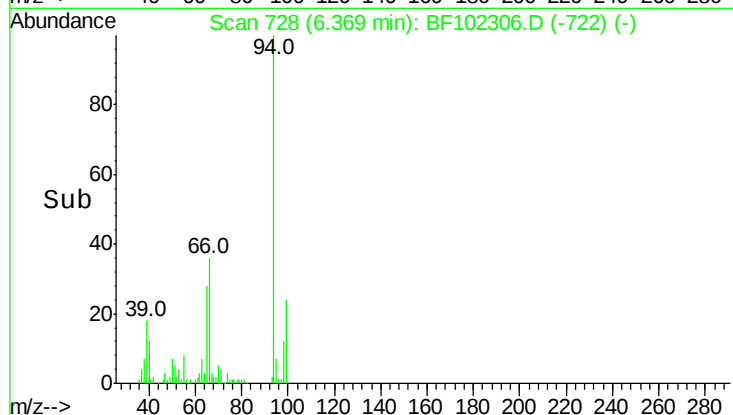




#10  
Phenol  
Concen: 4.593 ng  
RT: 6.37 min Scan# 728  
Delta R.T. -0.01 min  
Lab File: BF102306.D  
Acq: 22 Jan 2018 18:28

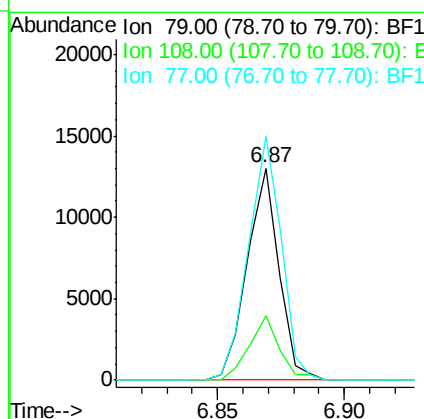
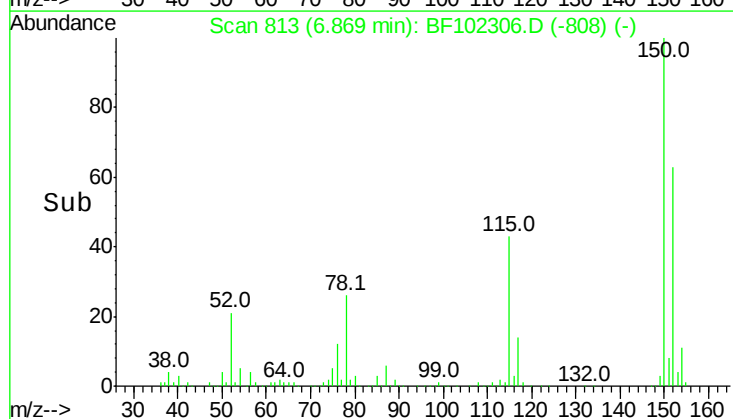
Instrument :  
BNA\_F  
ClientSampleId :

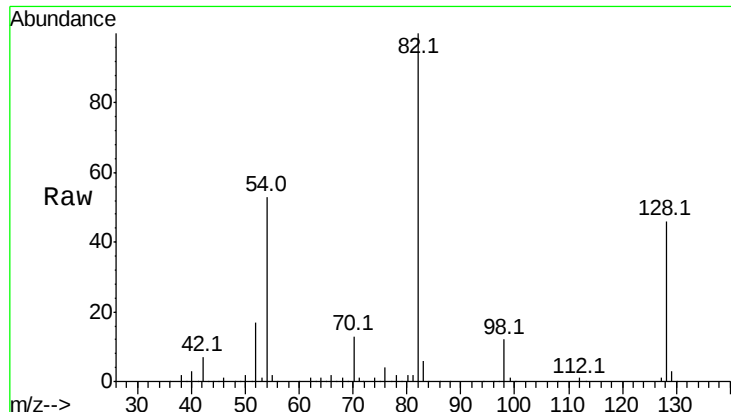
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 52998 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 27.6  | 7.9   | 47.9  |
| 66       | 38.4  | 16.2  | 56.2  |



#15  
Benzyl Alcohol  
Concen: 1.531 ng  
RT: 6.87 min Scan# 813  
Delta R.T. 0.01 min  
Lab File: BF102306.D  
Acq: 22 Jan 2018 18:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 79    | Resp: | 11421 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 108      | 30.3  | 65.1  | 97.7# |
| 77       | 114.9 | 50.6  | 75.8# |

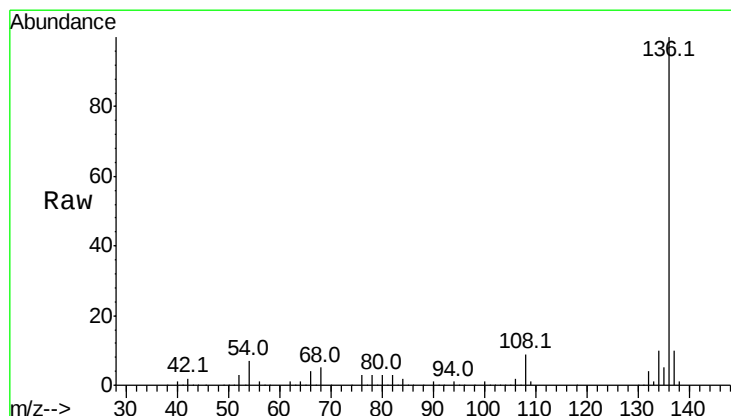
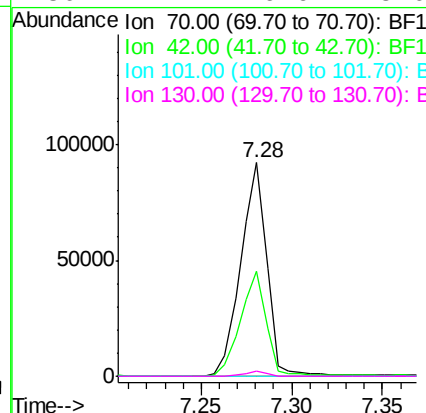
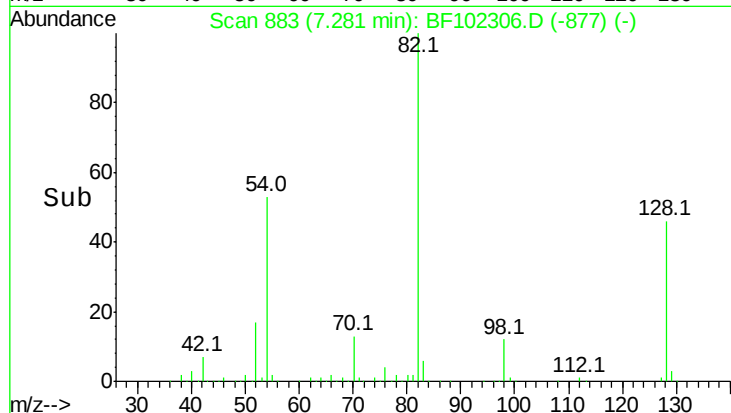




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 14.151 ng  
 RT: 7.28 min Scan# 883  
 Delta R.T. 0.14 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

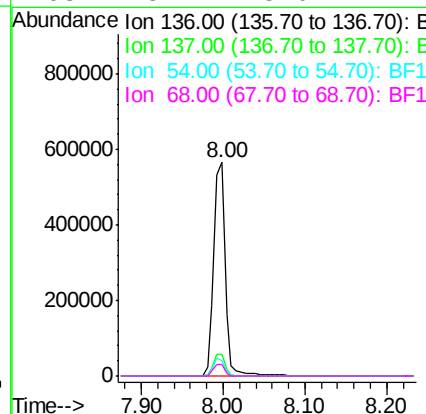
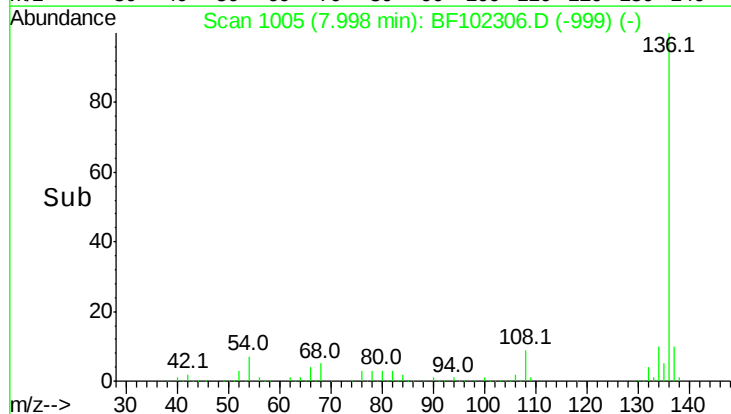
Instrument :  
 BNA\_F  
 ClientSampleId :

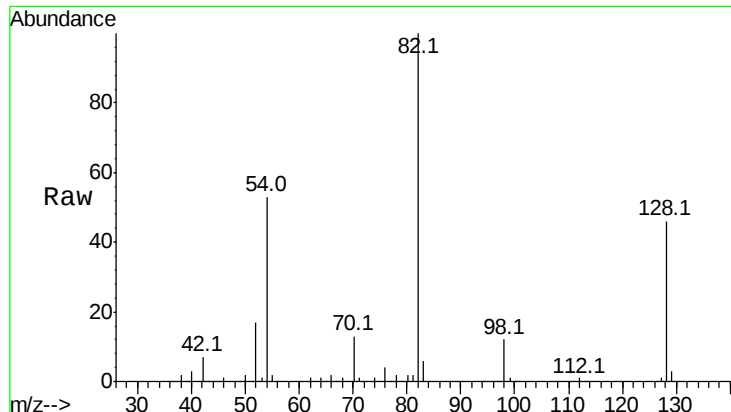
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 70    | Resp: | 91531 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 49.0  | 47.5  | 71.3  |
| 101       | 0.0   | 7.4   | 11.2# |
| 130       | 2.1   | 16.6  | 25.0# |



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.00 min Scan# 1005  
 Delta R.T. -0.00 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 555651 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.4  | 8.9   | 13.3   |
| 54        | 7.2   | 6.6   | 9.8    |
| 68        | 5.2   | 5.0   | 7.4    |

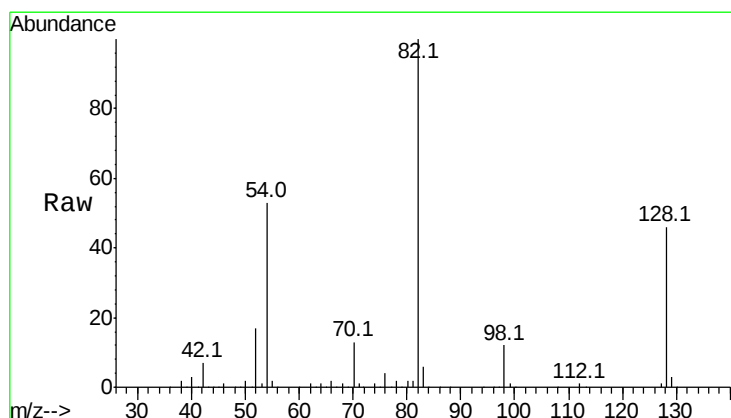
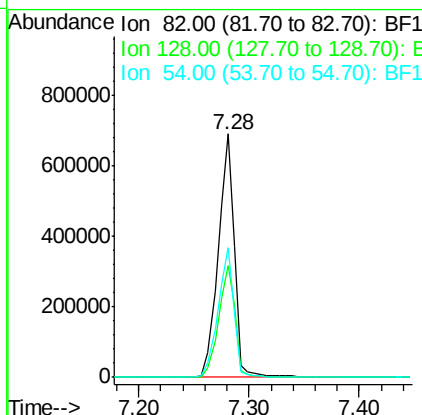
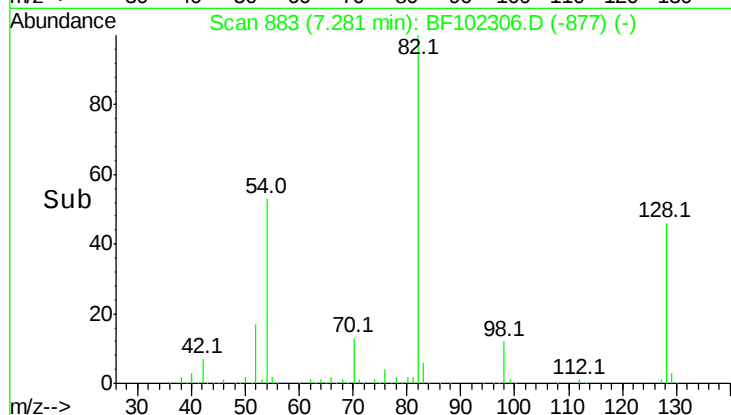




#23  
 Nitrobenzene-d5  
 Concen: 72.193 ng  
 RT: 7.28 min Scan# 883  
 Delta R.T. -0.01 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

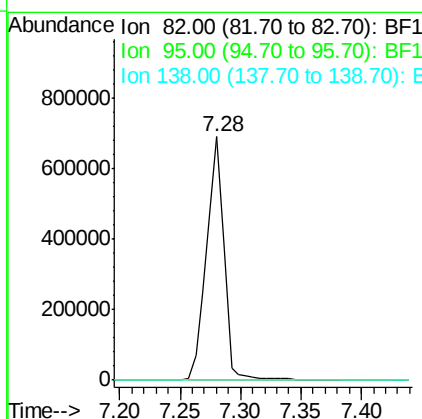
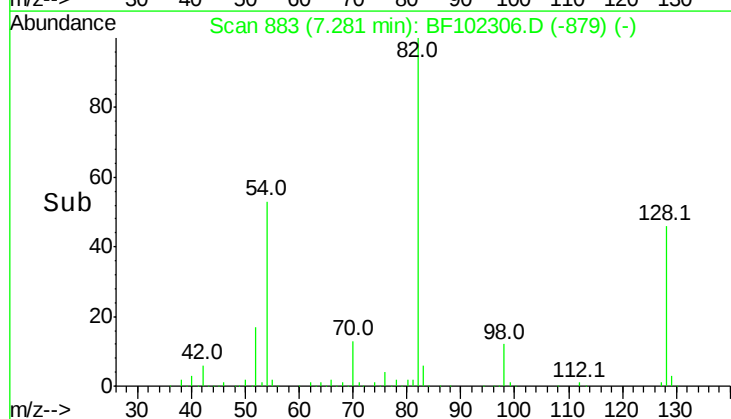
Instrument :  
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 ClientSampleId :

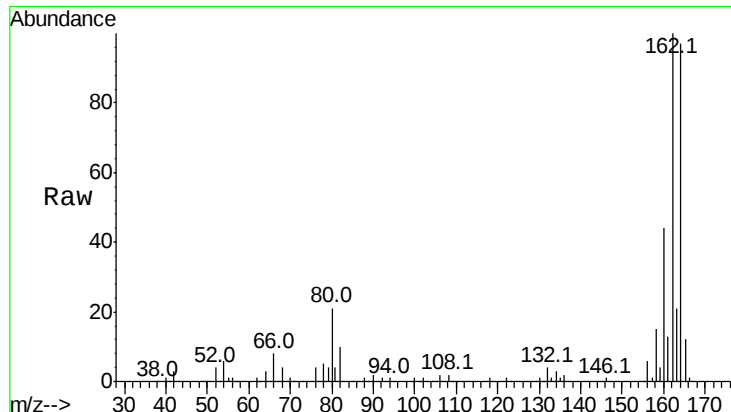
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 82    | Resp: | 698042 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.9  | 36.1  | 54.1   |
| 54       | 53.1  | 41.4  | 62.2   |



#25  
 Isophorone  
 Concen: 39.820 ng  
 RT: 7.28 min Scan# 883  
 Delta R.T. -0.26 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 686400 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 95       | 0.0   | 5.2   | 7.8#   |
| 138      | 0.0   | 14.9  | 22.3#  |

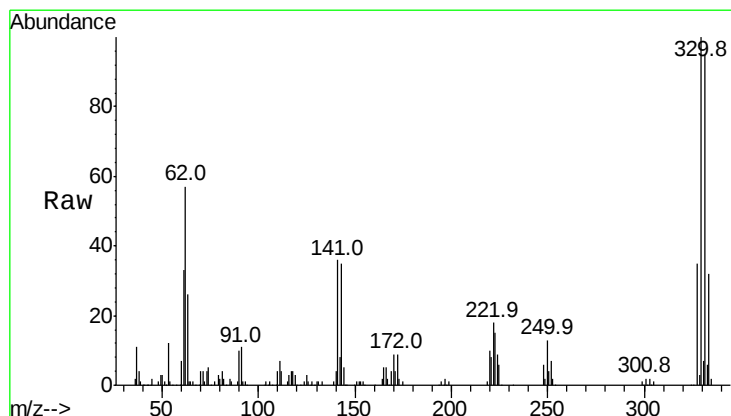
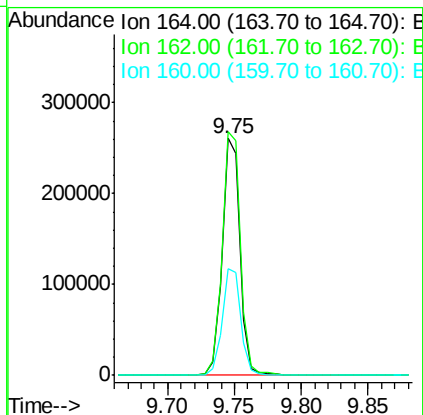
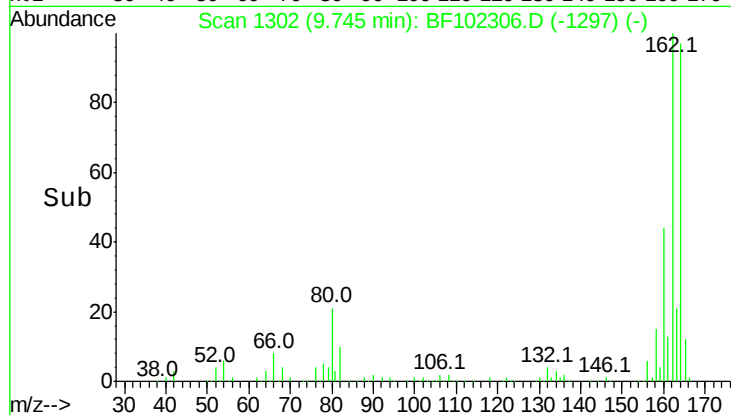




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1302  
 Delta R.T. -0.01 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

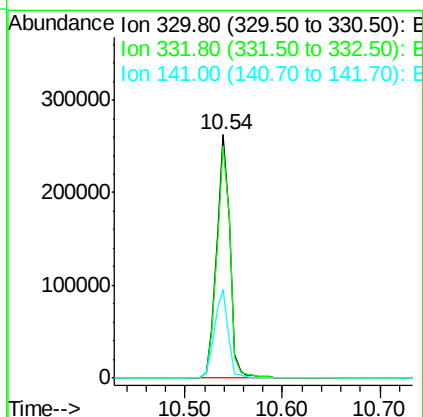
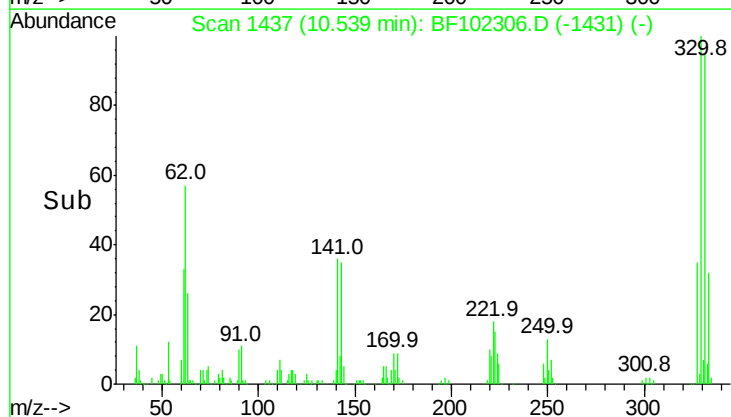
Instrument :  
 BNA\_F  
 ClientSampleId :

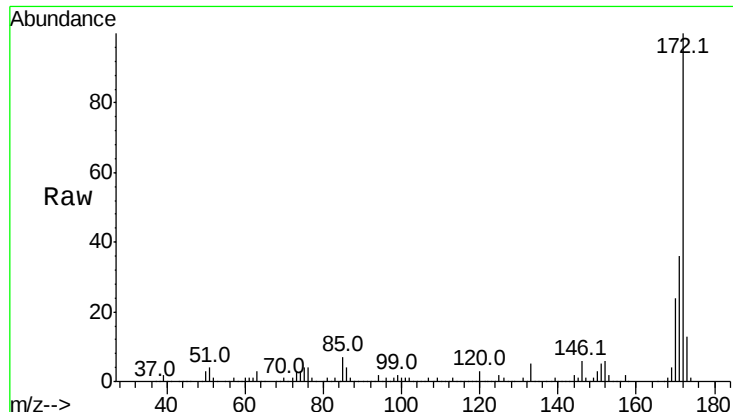
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 Ion Ratio Lower Upper  
 164 100  
 162 102.7 86.1 129.1  
 160 44.9 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 101.384 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

Tgt Ion:330 Resp: 247057  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 77.0 115.6  
 141 37.3 29.9 44.9



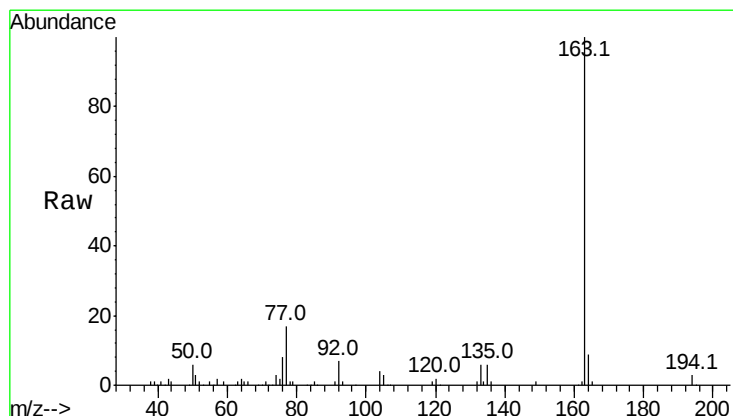
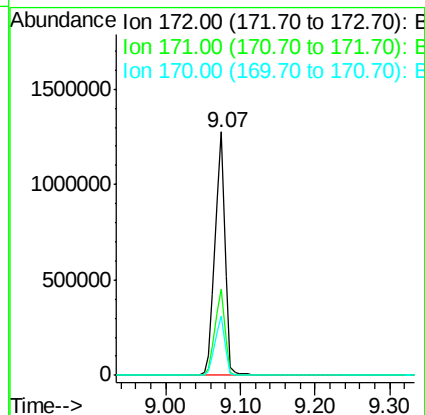
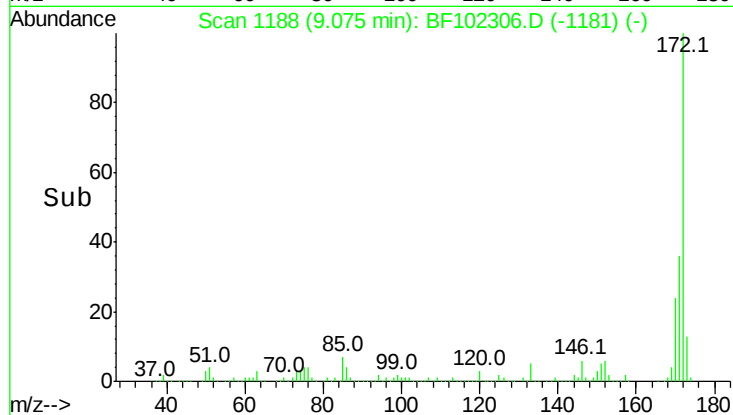


#44  
 2-Fluorobiphenyl  
 Concen: 71.350 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1193410

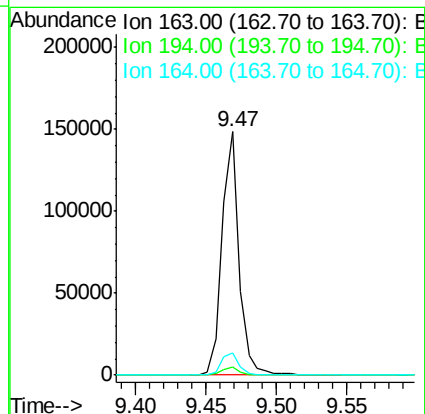
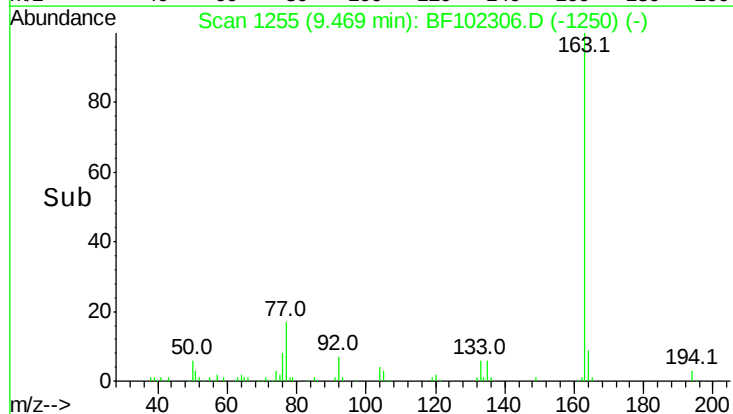
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.5  | 29.7  | 44.5  |
| 170 | 24.1  | 19.6  | 29.4  |

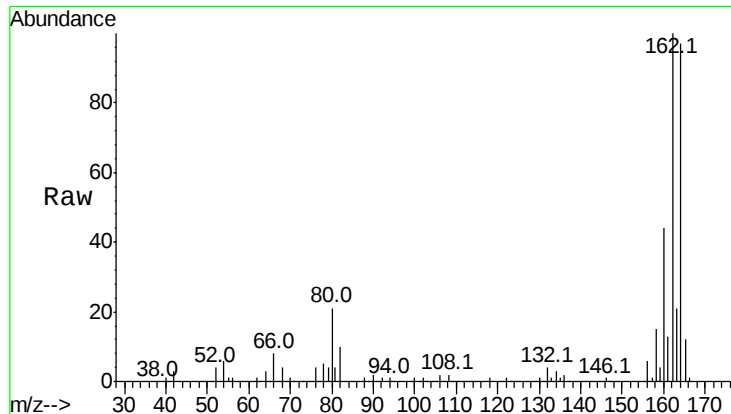


#49  
 Dimethylphthalate  
 Concen: 6.115 ng  
 RT: 9.47 min Scan# 1255  
 Delta R.T. -0.01 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

Tgt Ion:163 Resp: 124299

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.3   | 2.7   | 4.1   |
| 164 | 9.1   | 8.2   | 12.2  |

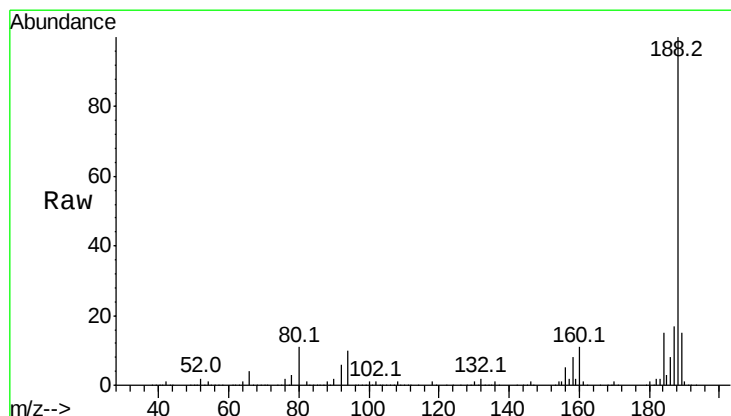
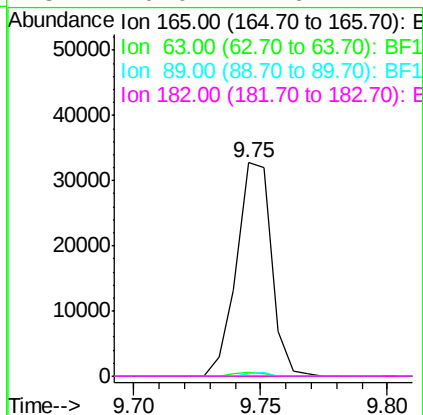
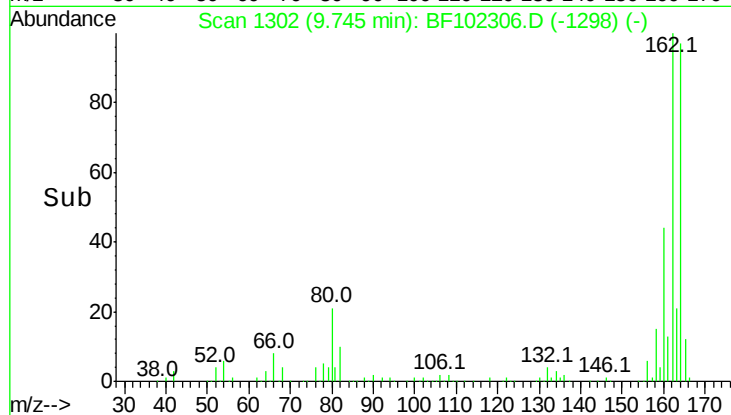




#56  
 2,4-Dinitrotoluene  
 Concen: 5.830 ng  
 RT: 9.75 min Scan# 1302  
 Delta R.T. -0.21 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

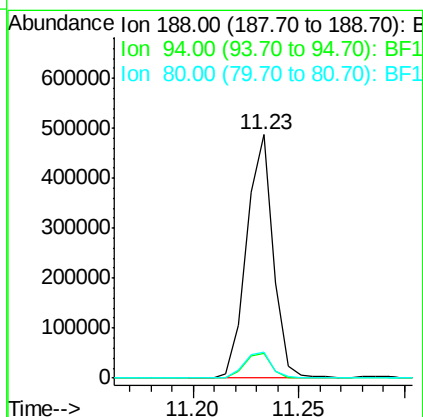
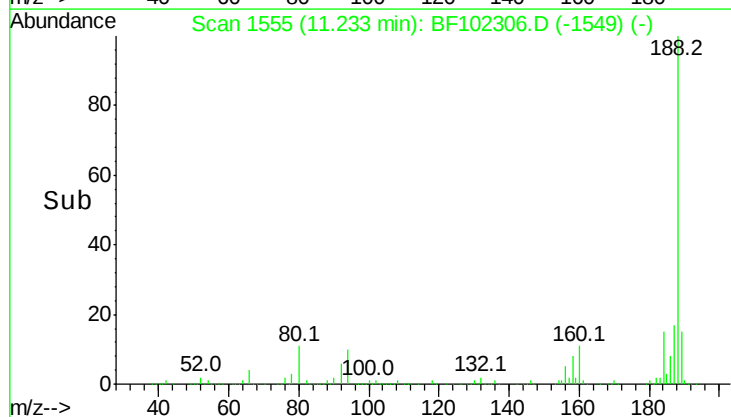
Instrument :  
 BNA\_F  
 ClientSampleId :

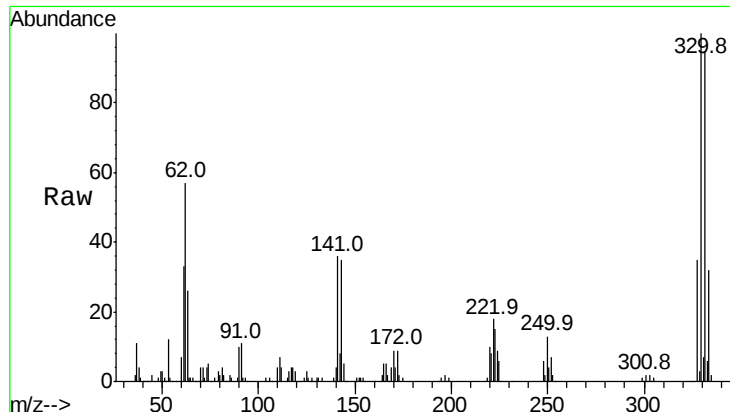
Tot Ion:165 Resp: 31420  
 Ion Ratio Lower Upper  
 165 100  
 63 2.0 36.4 54.6#  
 89 1.4 57.8 86.6#  
 182 0.0 1.6 2.4#



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.23 min Scan# 1555  
 Delta R.T. -0.00 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

Tgt Ion:188 Resp: 425379  
 Ion Ratio Lower Upper  
 188 100  
 94 10.3 8.5 12.7  
 80 10.7 9.2 13.8

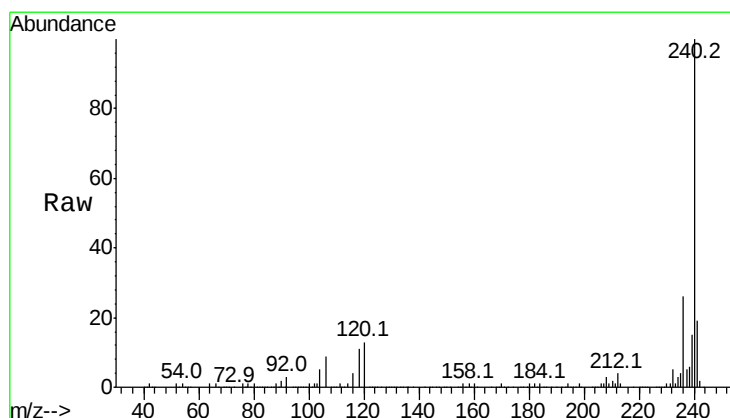
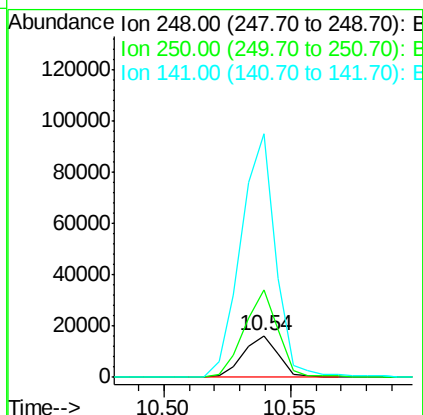
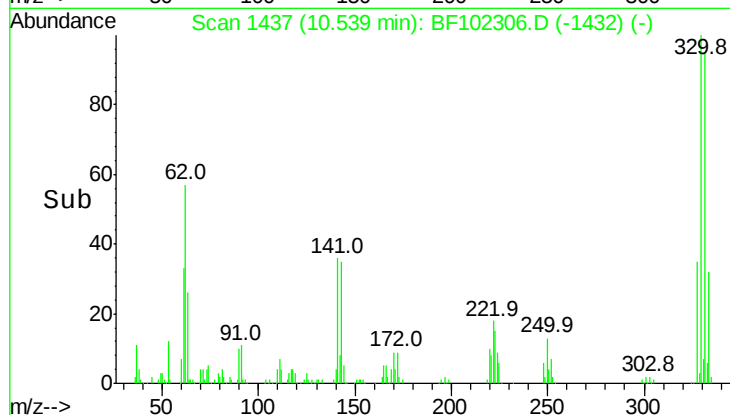




#66  
 4-Bromophenyl-phenylether  
 Concen: 3.394 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.24 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

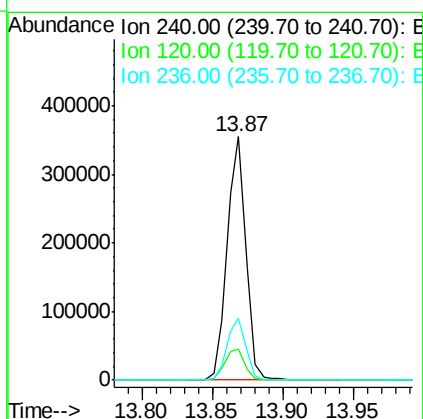
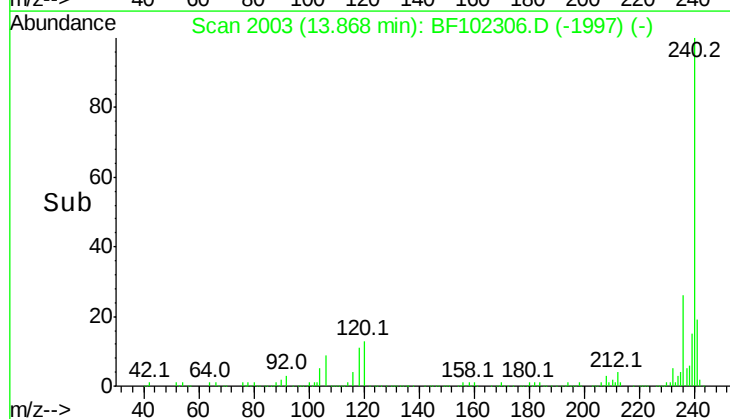
Instrument :  
 BNA\_F  
 ClientSampled :

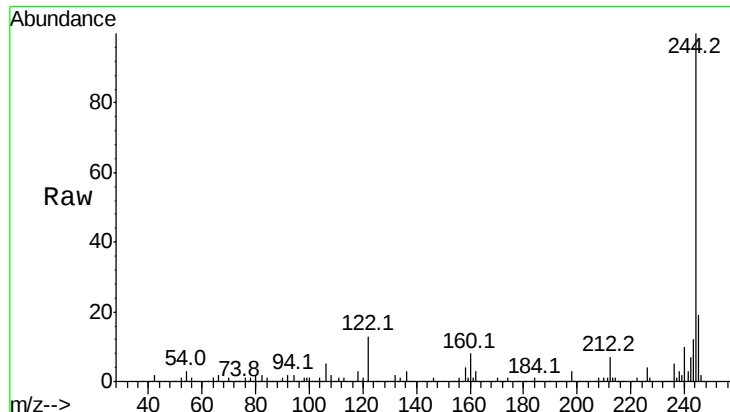
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 208.3 | 76.9  | 115.3# |
| 141     | 580.2 | 74.4  | 111.6# |



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.87 min Scan# 2003  
 Delta R.T. -0.01 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.0  | 9.5   | 14.3  |
| 236     | 25.6  | 20.7  | 31.1  |

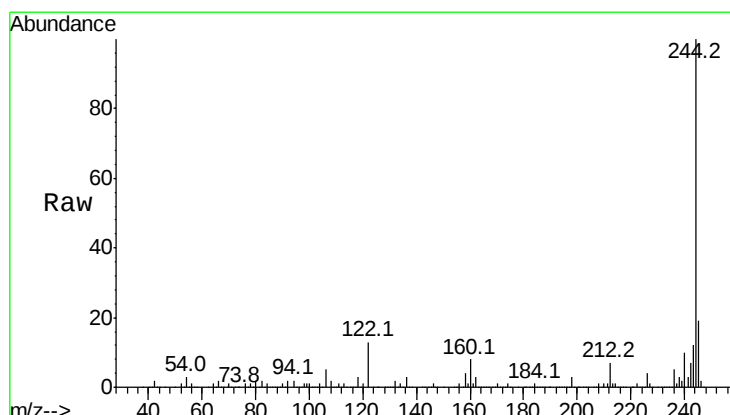
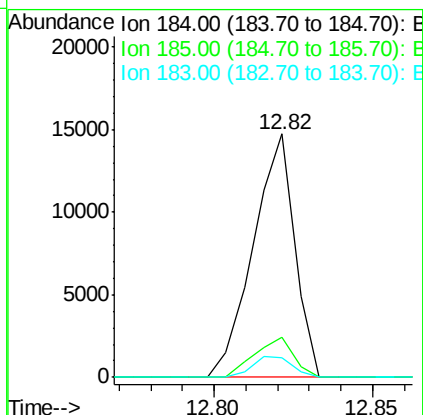
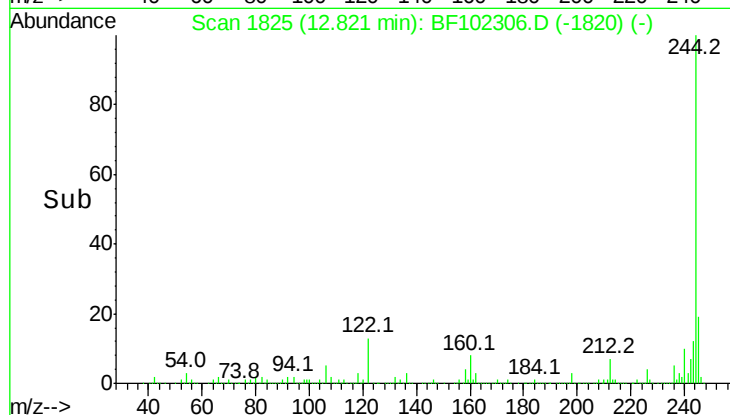




#76  
Benzidine  
Concen: 1.223 ng  
RT: 12.82 min Scan# 1825  
Delta R.T. 0.25 min  
Lab File: BF102306.D  
Acq: 22 Jan 2018 18:28

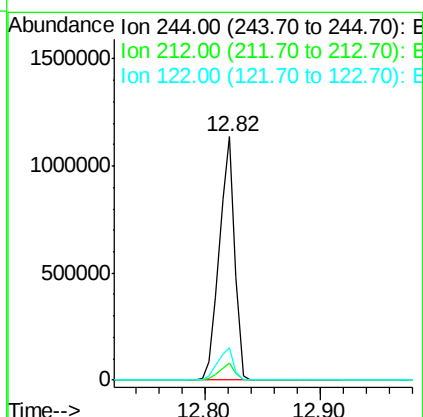
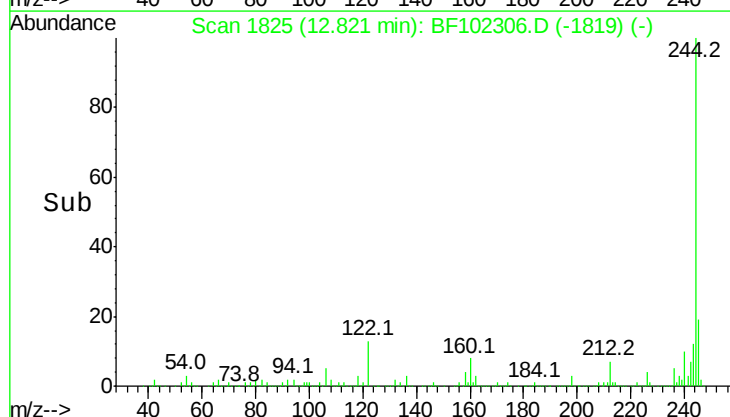
Instrument :  
BNA\_F  
ClientSampleId :

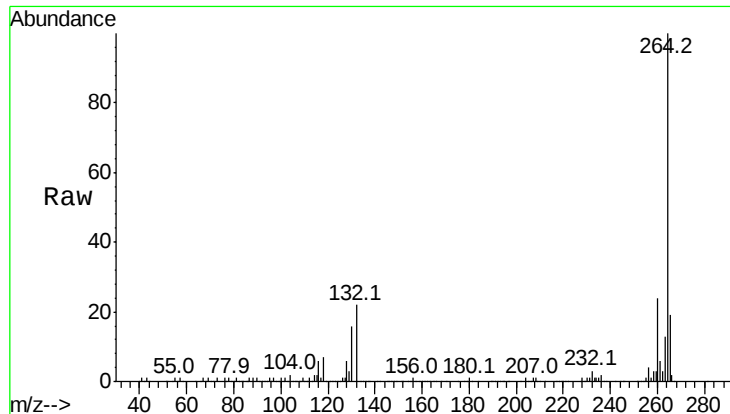
Tot Ion:184 Resp: 13378  
Ion Ratio Lower Upper  
184 100  
185 16.5 12.6 18.8  
183 8.1 9.3 13.9#



#78  
Terphenyl-d14  
Concen: 72.759 ng  
RT: 12.82 min Scan# 1825  
Delta R.T. -0.00 min  
Lab File: BF102306.D  
Acq: 22 Jan 2018 18:28

Tgt Ion:244 Resp: 1050890  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.4 8.0  
122 13.5 11.0 16.4





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2245  
 Delta R.T. -0.00 min  
 Lab File: BF102306.D  
 Acq: 22 Jan 2018 18:28

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:264 Resp: 285502  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.2 28.8  
 265 19.5 17.5 26.3

