

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020918\  
 Data File : BG032638.D  
 Acq On : 9 Feb 2018 19:35  
 Operator : SJ/JU  
 Sample : J1510-06  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 09 23:21:58 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 06 18:57:08 2018  
 Response via : Initial Calibration

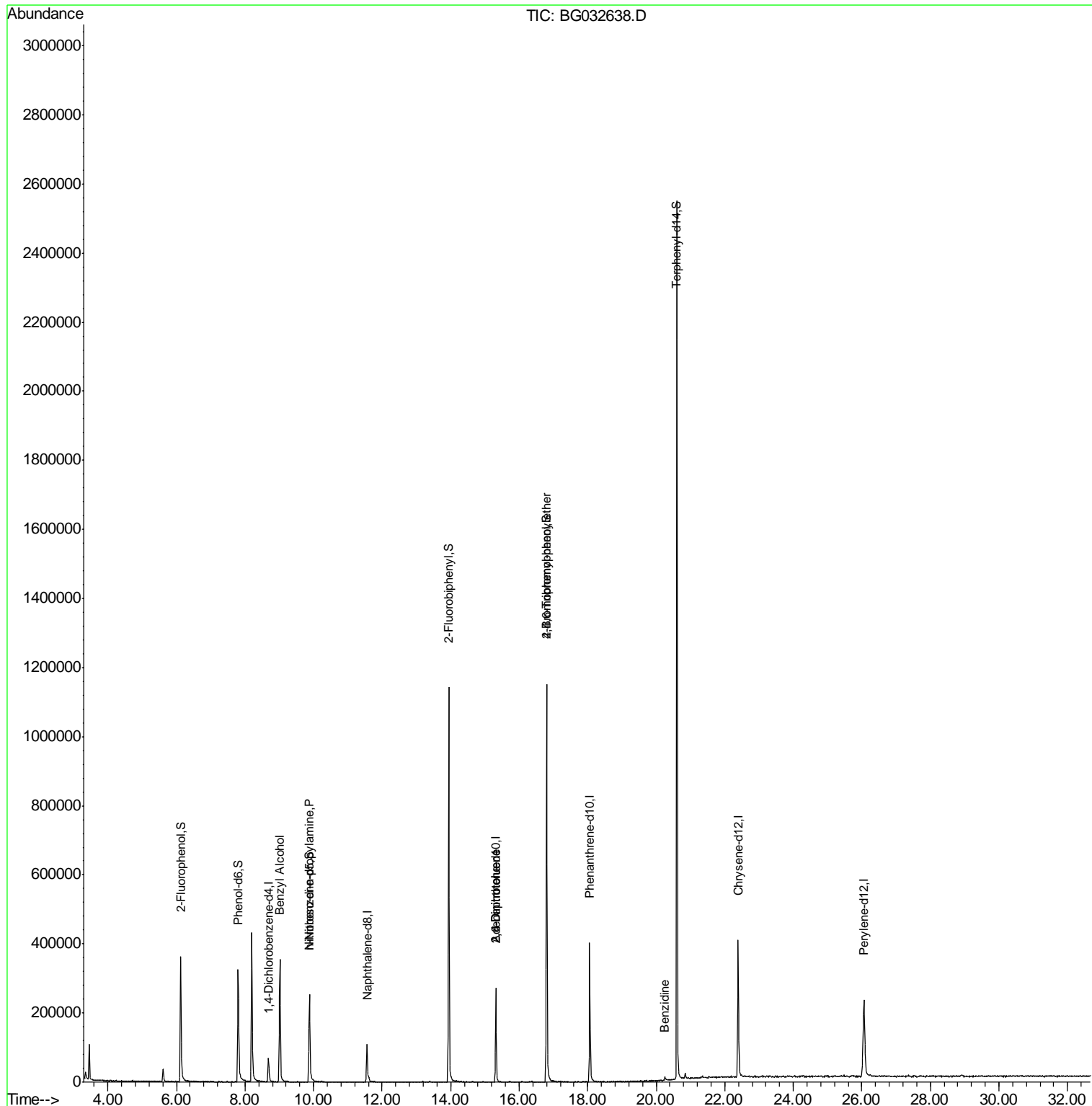
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.69  | 152  | 28480    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 11.56 | 136  | 123657   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 15.32 | 164  | 105229   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 18.06 | 188  | 308535   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 22.39 | 240  | 332087   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 26.06 | 264  | 342093   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.13  | 112  | 195903   | 138.16 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.80  | 99   | 228401   | 120.71 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.88  | 82   | 179813   | 90.83  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 16.80 | 330  | 263936   | 131.77 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 13.95 | 172  | 713265   | 80.56  | ng    | -0.02    |
| 78) Terphenyl-d14              | 20.60 | 244  | 1400757  | 90.35  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 9.02  | 79   | 3337     | 2.14   | ng    | # 31     |
| 19) n-Nitroso-di-n-propylamine | 9.89  | 70   | 27766    | 22.13  | ng    | # 72     |
| 50) 2,6-Dinitrotoluene         | 15.32 | 165  | 12782    | 6.28   | ng    | # 22     |
| 56) 2,4-Dinitrotoluene         | 15.32 | 165  | 12782    | 4.41   | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 16.80 | 248  | 23839    | 5.22   | ng    | # 1      |
| 76) Benzidine                  | 20.25 | 184  | 13993    | 2.15   | ng    | 95       |

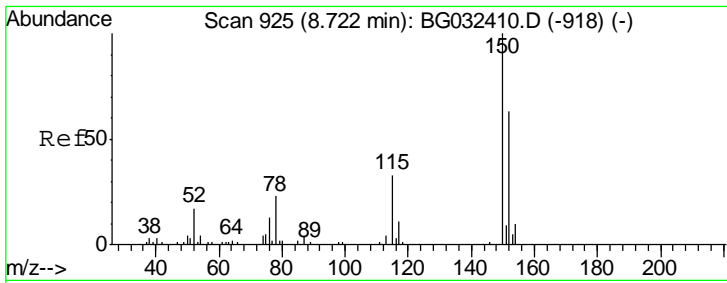
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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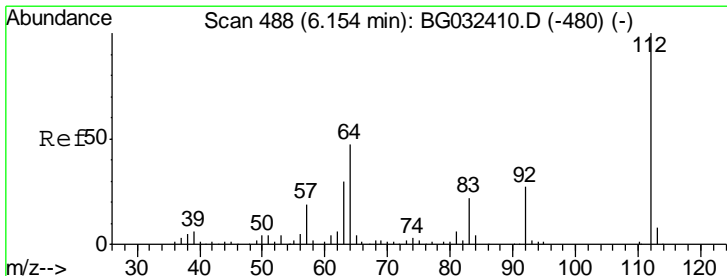
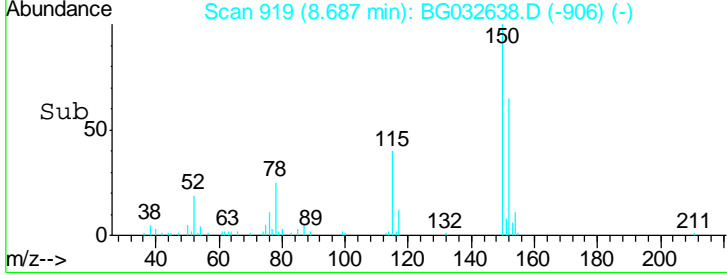
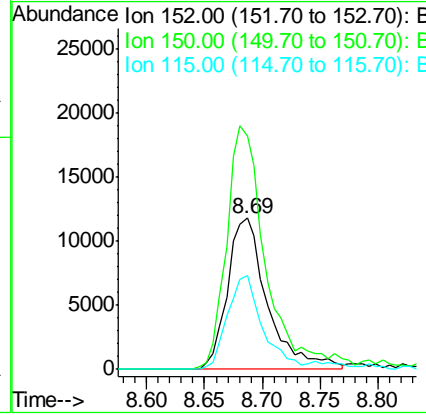
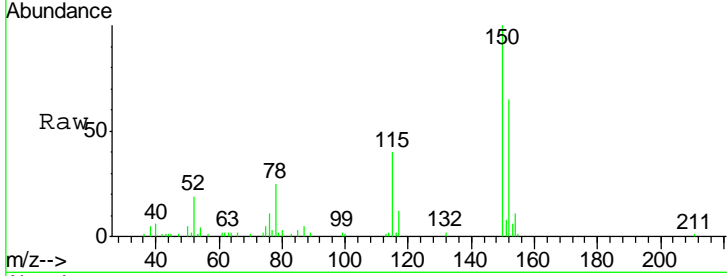




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.69 min Scan# 919  
 Delta R.T. -0.02 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

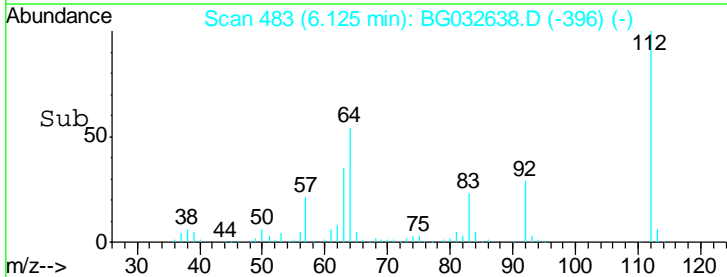
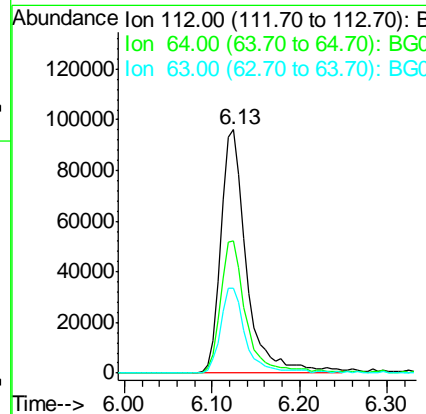
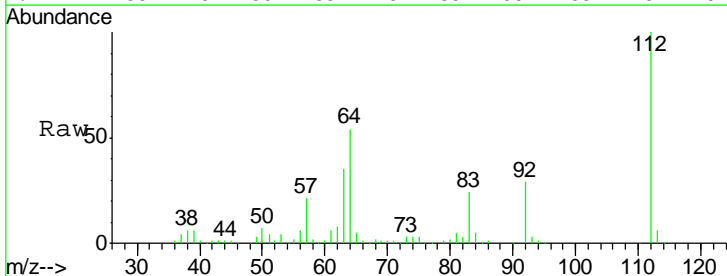
Instrument :  
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 ClientSampled :

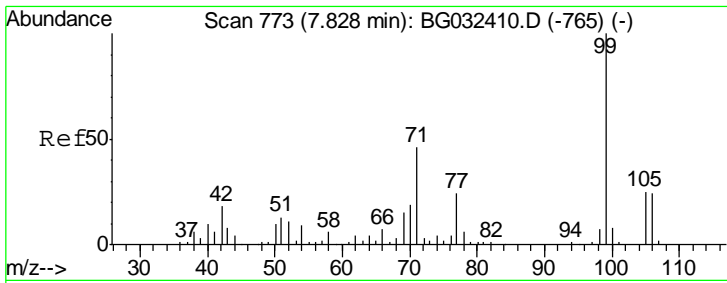
| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.8 | 126.6 | 189.8 |
| 115     | 62.1  | 53.0  | 79.4  |



#5  
 2-Fluorophenol  
 Concen: 138.16 ng  
 RT: 6.13 min Scan# 483  
 Delta R.T. -0.02 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 112     | 100  |       |       |
| 64      | 54.3 | 56.3  | 84.5# |
| 63      | 34.6 | 30.1  | 45.1  |

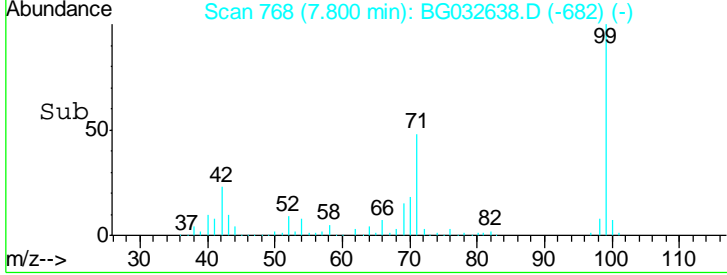
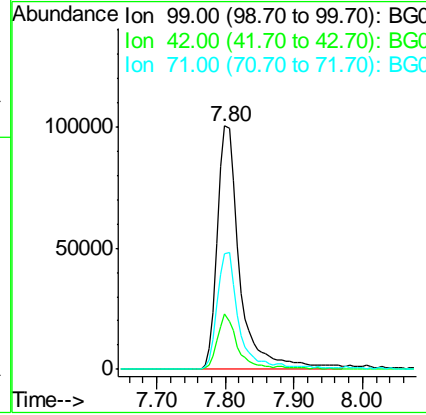
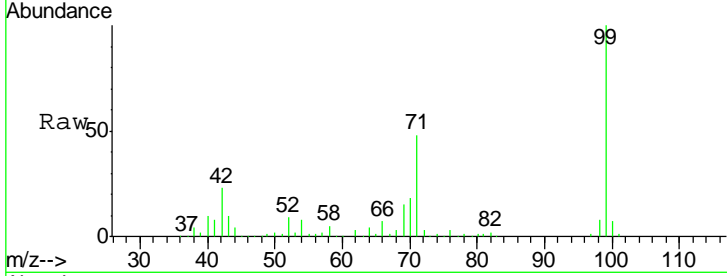




#7  
 Phenol-d6  
 Concen: 120.71 ng  
 RT: 7.80 min Scan# 768  
 Delta R.T. -0.02 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

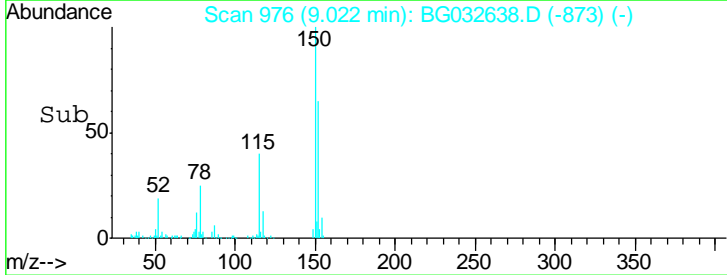
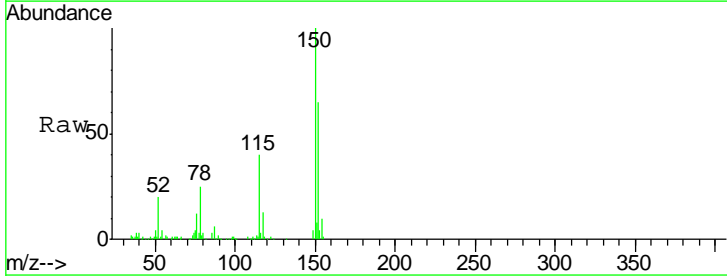
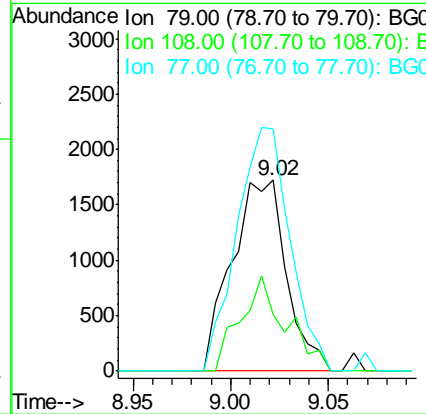
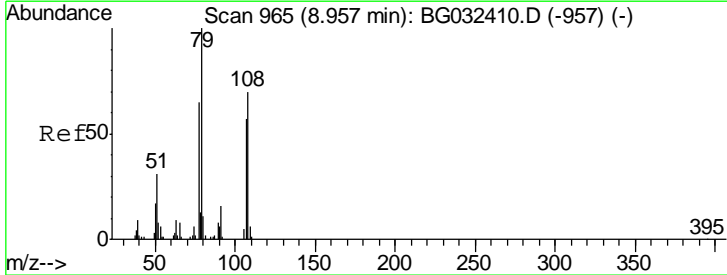
Instrument :  
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 ClientSampled :

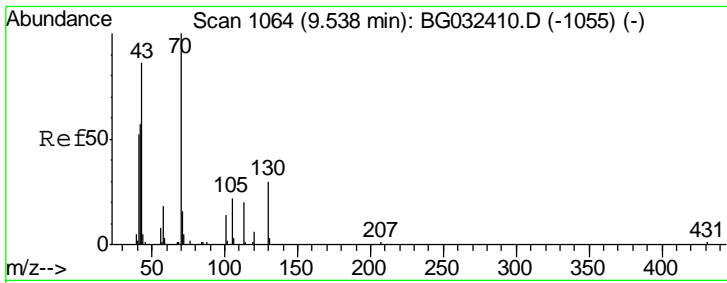
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 99      | 100  |       |       |
| 42      | 22.6 | 14.1  | 21.1# |
| 71      | 47.5 | 26.1  | 39.1# |



#15  
 Benzyl Alcohol  
 Concen: 2.14 ng  
 RT: 9.02 min Scan# 976  
 Delta R.T. 0.08 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 29.9  | 57.2  | 85.8# |
| 77      | 126.8 | 46.1  | 69.1# |

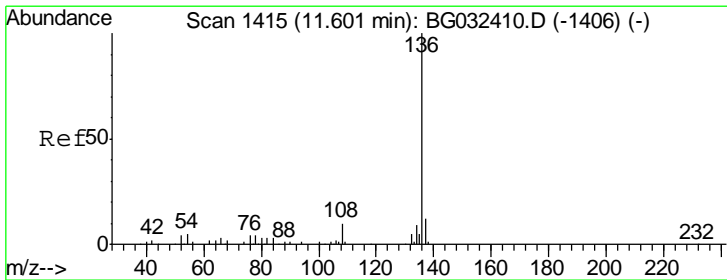
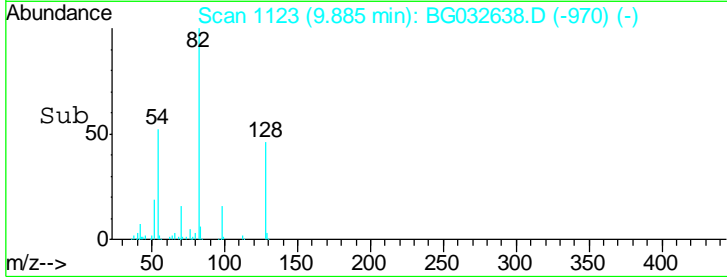
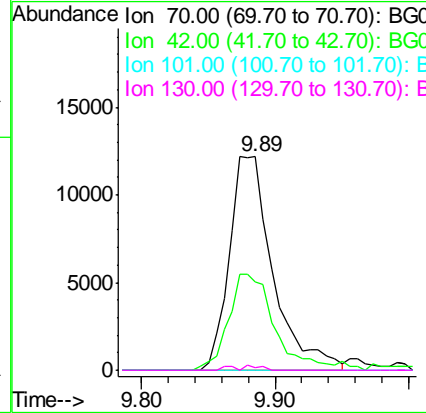
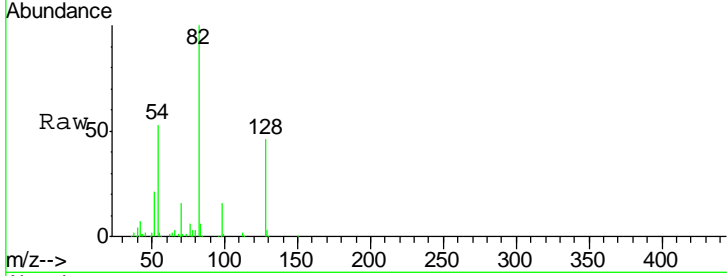




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 22.13 ng  
 RT: 9.89 min Scan# 1123  
 Delta R.T. 0.37 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

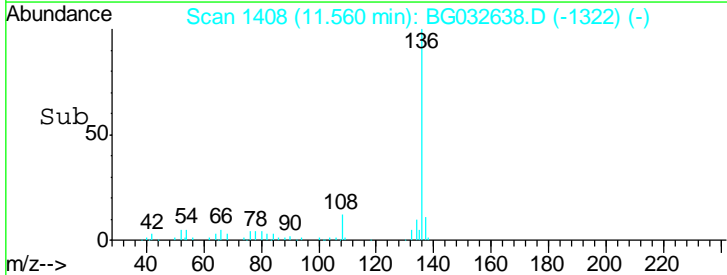
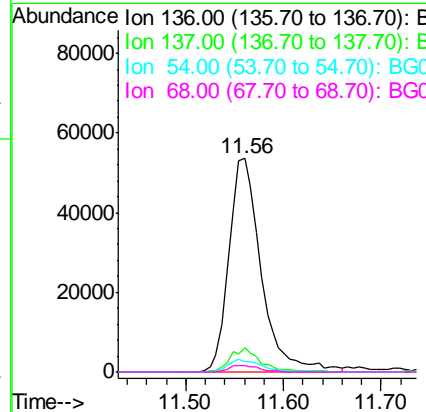
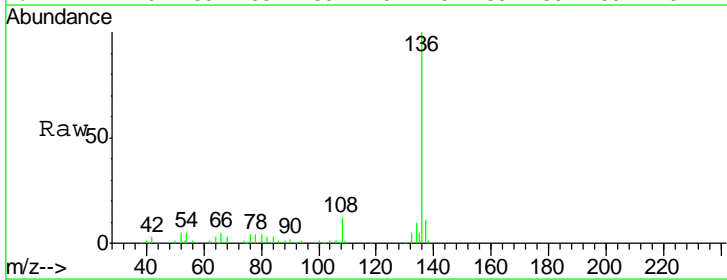
Instrument :  
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 ClientSampled :

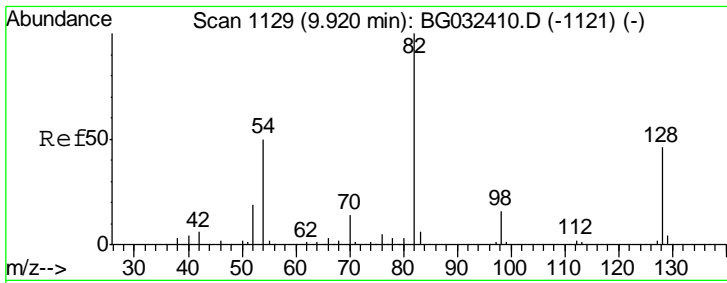
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 70      | 100  |       |       |
| 42      | 41.2 | 49.1  | 73.7# |
| 101     | 0.0  | 8.5   | 12.7# |
| 130     | 1.4  | 13.4  | 20.0# |



#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 11.56 min Scan# 1408  
 Delta R.T. -0.02 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 136     | 100  |       |       |
| 137     | 11.2 | 9.2   | 13.8  |
| 54      | 4.8  | 10.3  | 15.5# |
| 68      | 3.3  | 4.5   | 6.7#  |

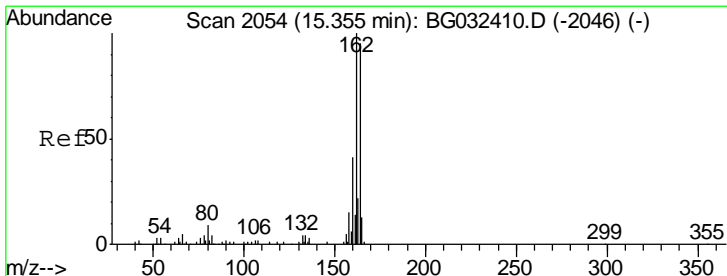
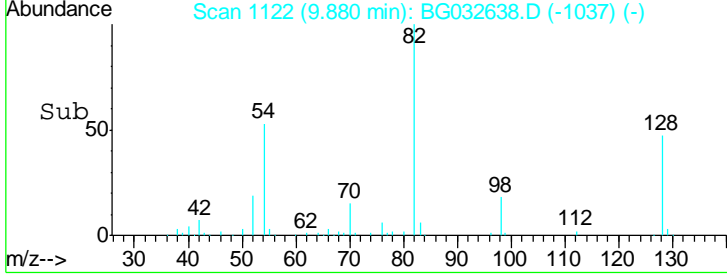
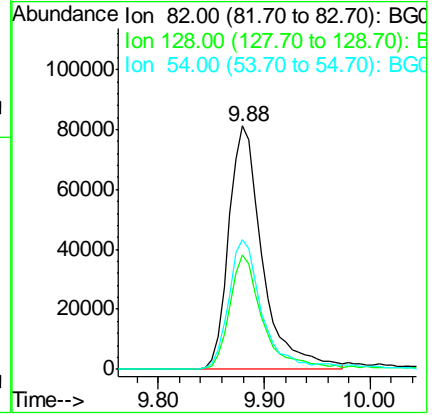
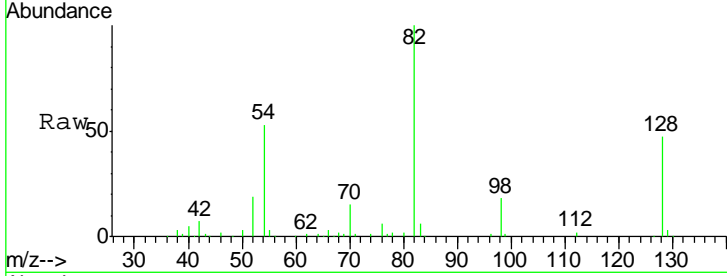




#23  
 Nitrobenzene-d5  
 Concen: 90.83 ng  
 RT: 9.88 min Scan# 1122  
 Delta R.T. -0.03 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

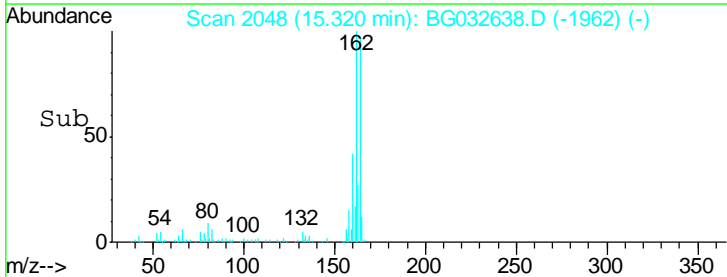
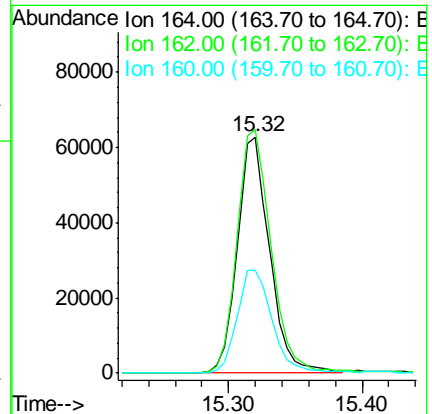
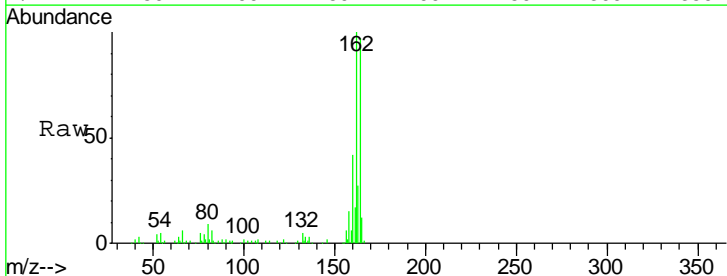
Instrument :  
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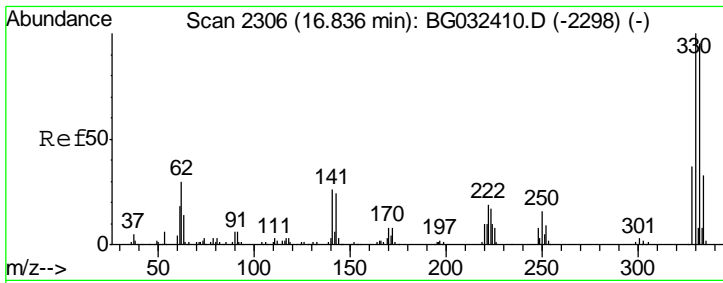
| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 82      | 179813 |       |       |
| 128     | 47.0   | 29.7  | 44.5# |
| 54      | 53.0   | 43.1  | 64.7  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.32 min Scan# 2048  
 Delta R.T. -0.02 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 164     | 105229 |       |       |
| 162     | 103.0  | 78.8  | 118.2 |
| 160     | 43.6   | 35.4  | 53.0  |

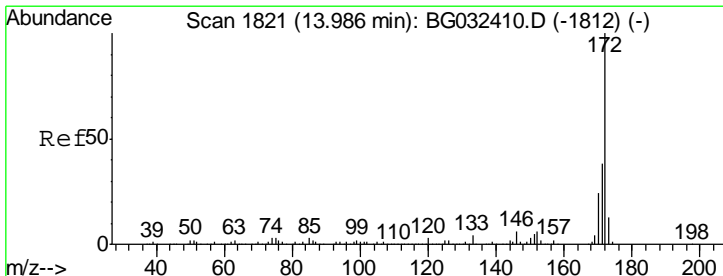
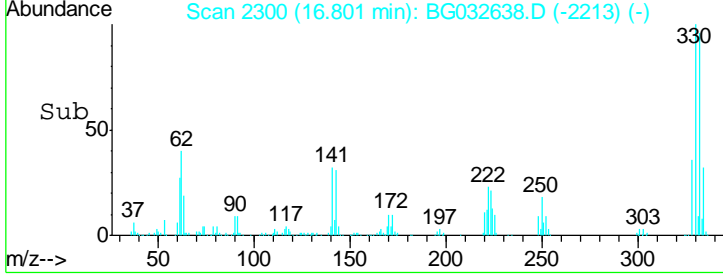
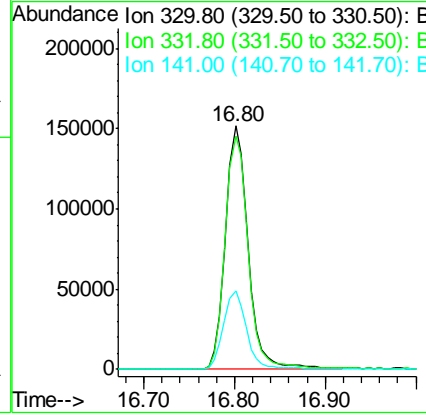
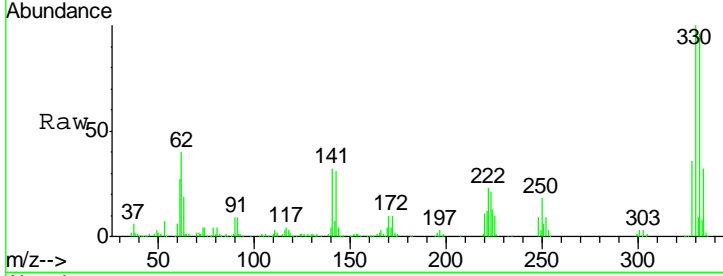




#41  
 2,4,6-Tribromophenol  
 Concen: 131.77 ng  
 RT: 16.80 min Scan# 2300  
 Delta R.T. -0.02 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

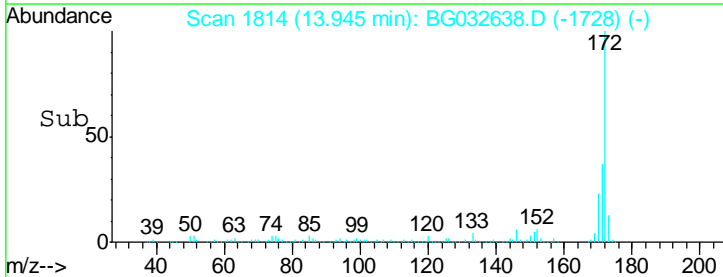
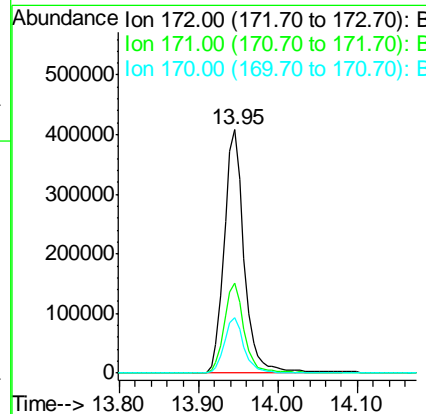
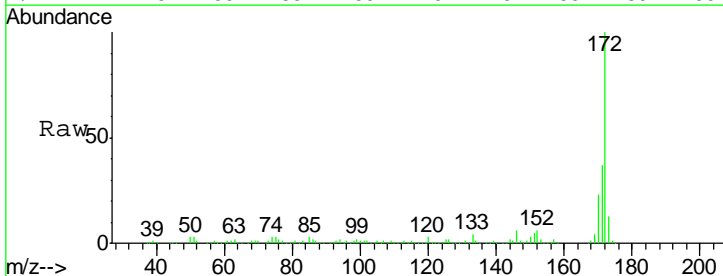
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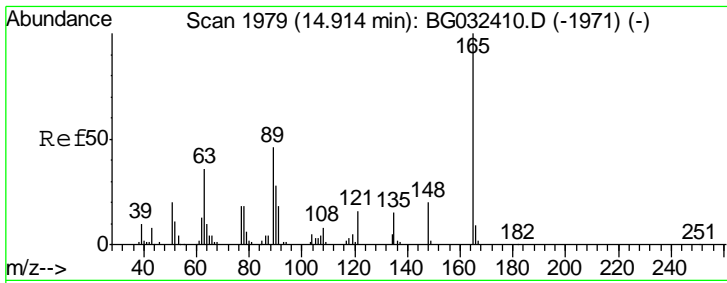
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 330     | 100  |       |       |
| 332     | 98.7 | 77.0  | 115.6 |
| 141     | 33.1 | 25.2  | 37.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 80.56 ng  
 RT: 13.95 min Scan# 1814  
 Delta R.T. -0.02 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 172     | 100  |       |       |
| 171     | 37.1 | 30.0  | 45.0  |
| 170     | 22.8 | 19.5  | 29.3  |

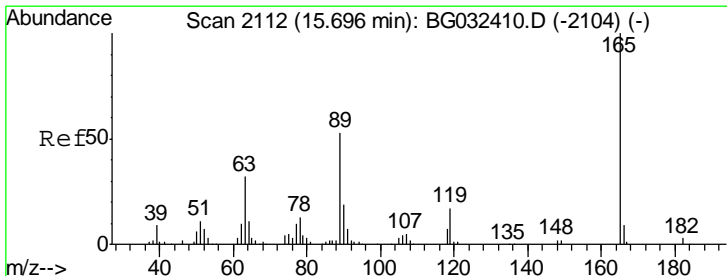
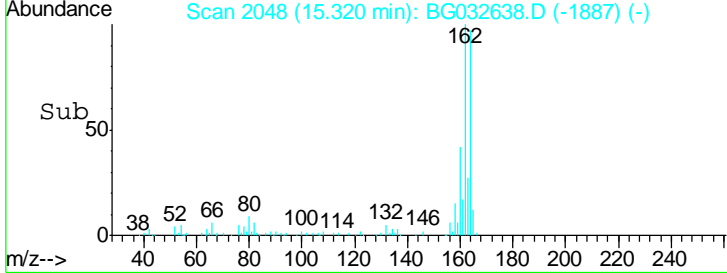
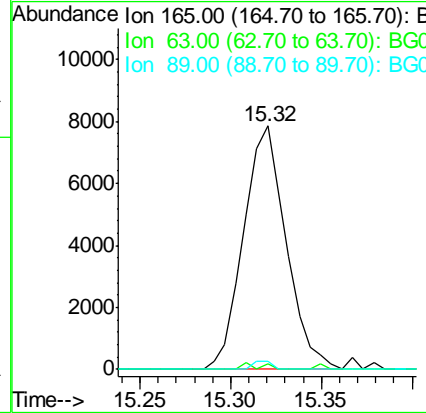
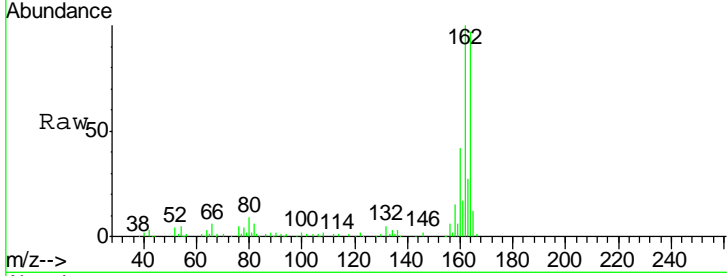




#50  
 2,6-Dinitrotoluene  
 Concen: 6.28 ng  
 RT: 15.32 min Scan# 2048  
 Delta R.T. 0.42 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

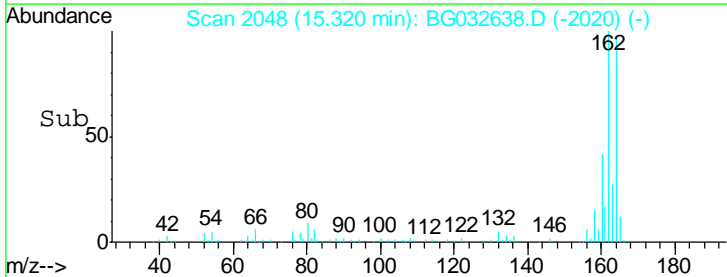
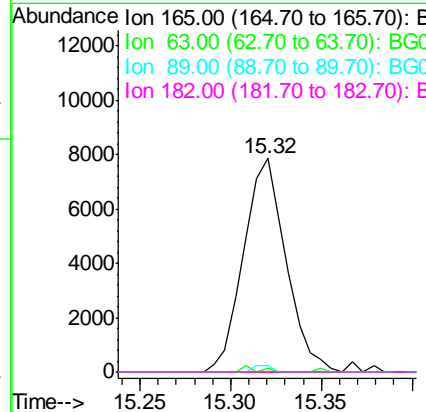
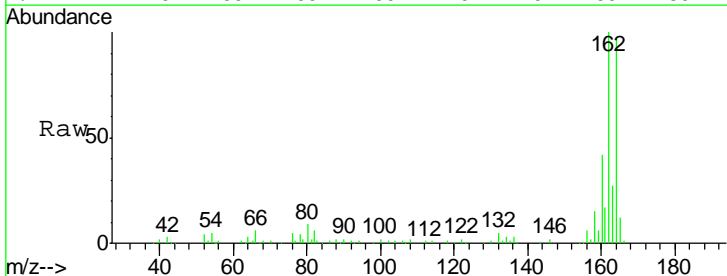
Instrument :  
 BNA\_G  
 ClientSampled :

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 165     | 100  |       |       |
| 63      | 2.1  | 52.7  | 79.1# |
| 89      | 3.1  | 49.2  | 73.8# |

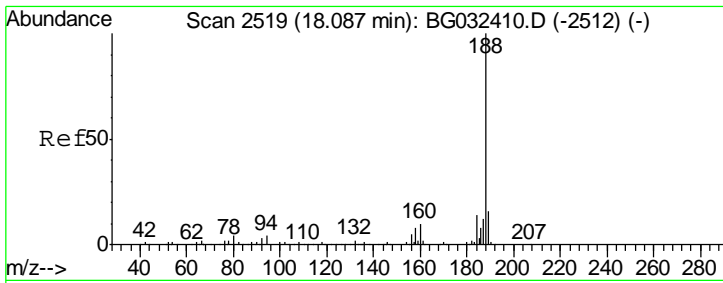


#56  
 2,4-Dinitrotoluene  
 Concen: 4.41 ng  
 RT: 15.32 min Scan# 2048  
 Delta R.T. -0.36 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

| Tgt Ion | Resp | Lower | Upper  |
|---------|------|-------|--------|
| 165     | 100  |       |        |
| 63      | 2.1  | 42.0  | 63.0#  |
| 89      | 3.1  | 66.9  | 100.3# |
| 182     | 0.0  | 2.6   | 3.8#   |



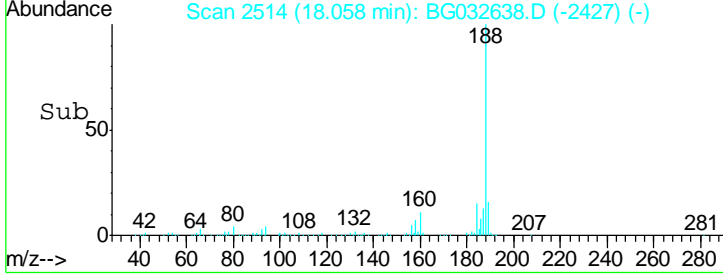
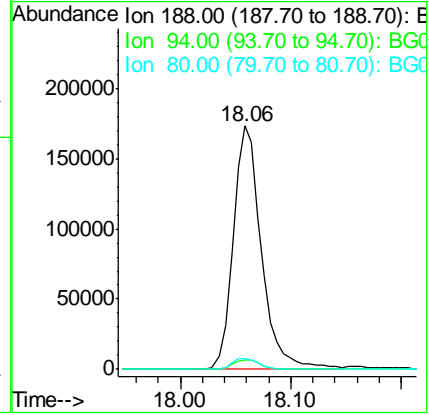
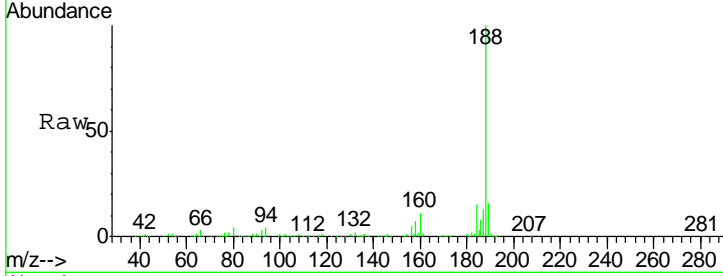




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 18.06 min Scan# 2514  
 Delta R.T. -0.02 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

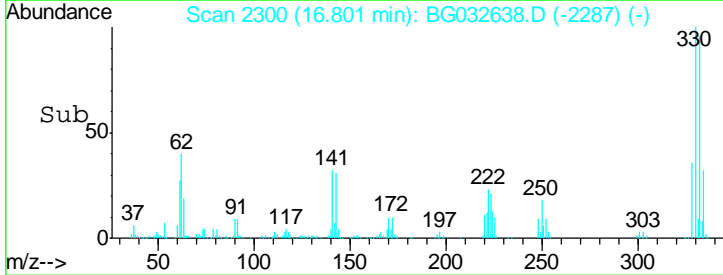
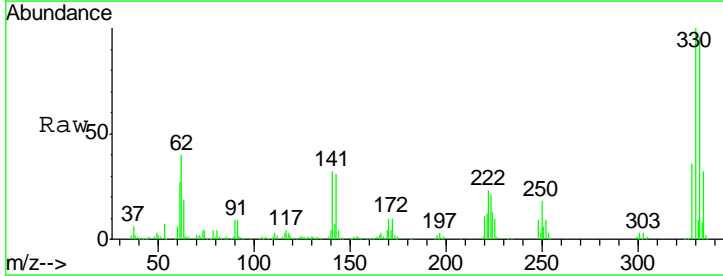
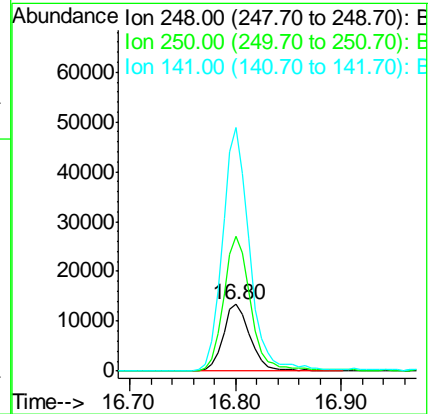
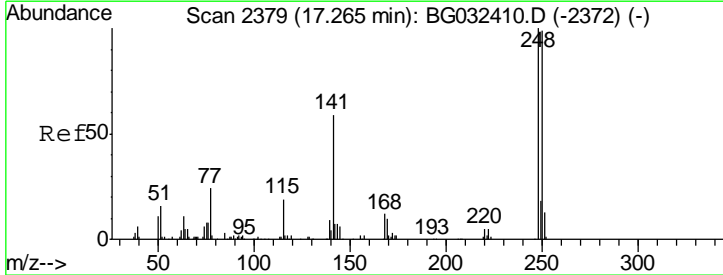
Instrument :  
 BNA\_G  
 ClientSampled :

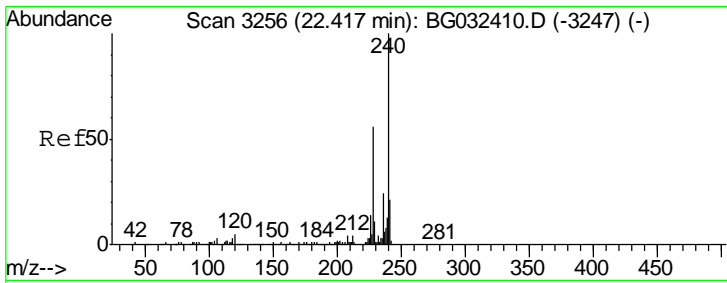
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 188     | 100  |       |       |
| 94      | 4.0  | 6.9   | 10.3# |
| 80      | 4.5  | 7.7   | 11.5# |



#66  
 4-Bromophenyl-phenylether  
 Concen: 5.22 ng  
 RT: 16.80 min Scan# 2300  
 Delta R.T. -0.45 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

| Tgt Ion | Resp  | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 201.6 | 77.1  | 115.7# |
| 141     | 364.1 | 50.8  | 76.2#  |

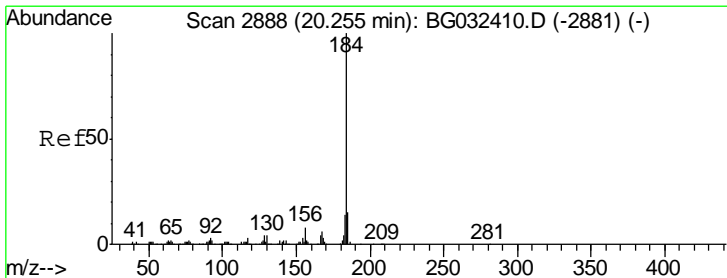
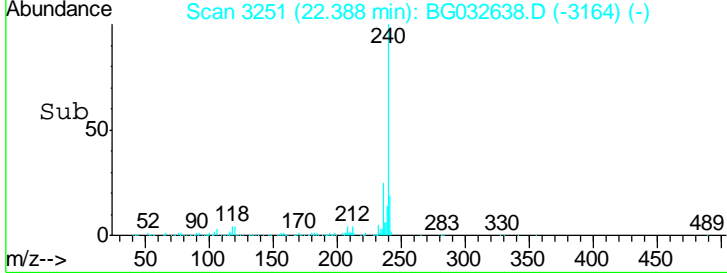
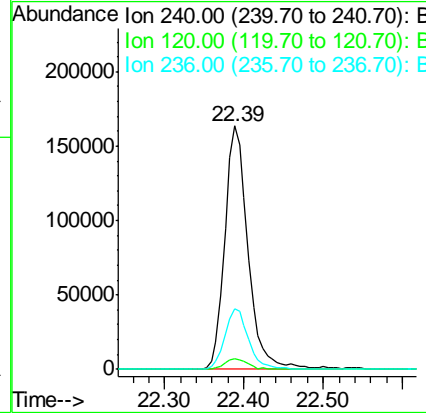
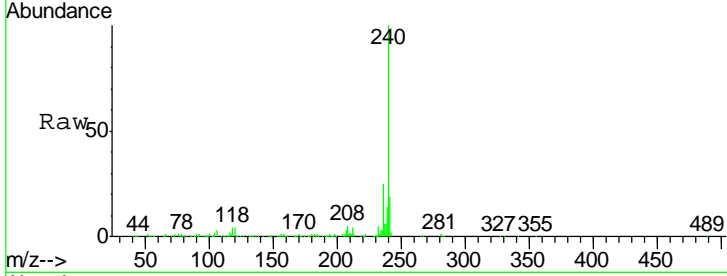




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 22.39 min Scan# 3251  
 Delta R.T. -0.02 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

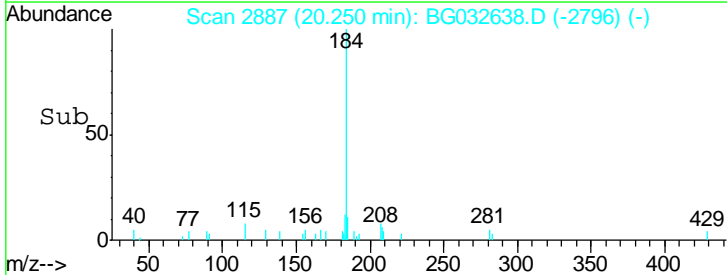
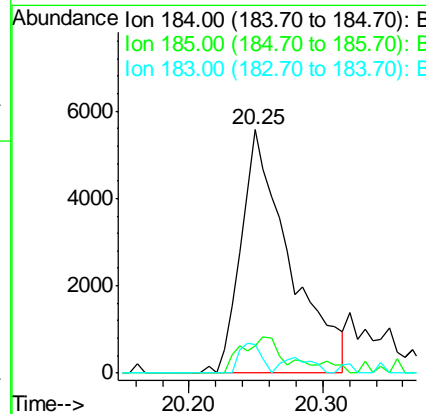
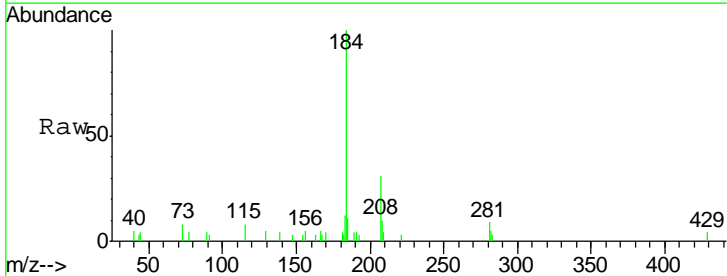
Instrument :  
 BNA\_G  
 ClientSampled :

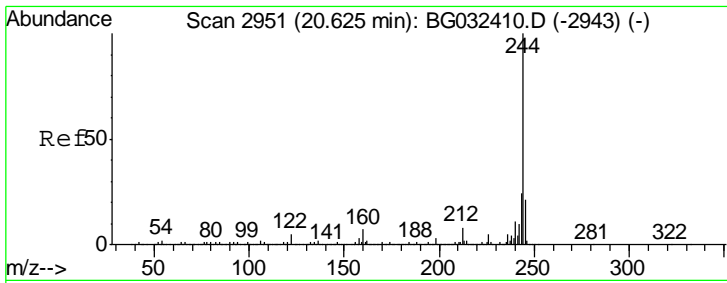
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 240     | 100  |       |       |
| 120     | 4.4  | 6.8   | 10.2# |
| 236     | 24.8 | 20.9  | 31.3  |



#76  
 Benzidine  
 Concen: 2.15 ng  
 RT: 20.25 min Scan# 2887  
 Delta R.T. 0.01 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 184     | 100  |       |       |
| 185     | 11.3 | 11.1  | 16.7  |
| 183     | 11.7 | 10.6  | 16.0  |



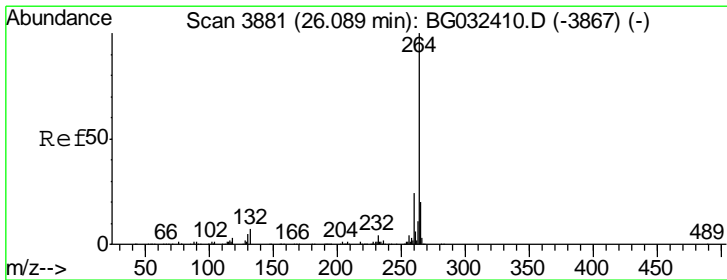
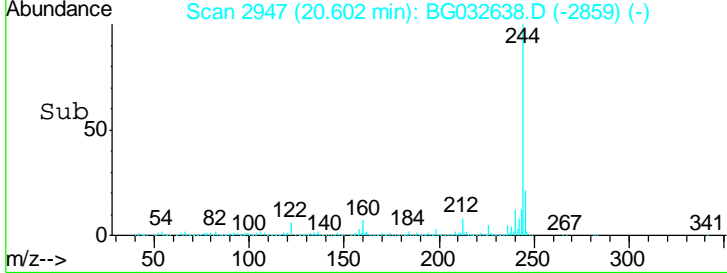
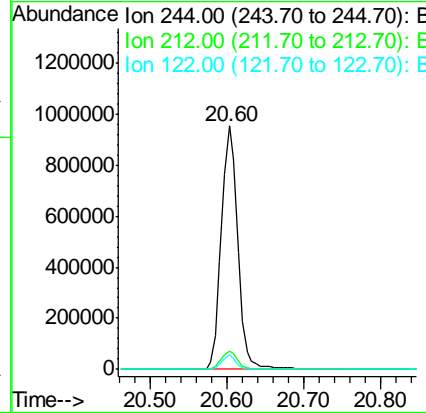
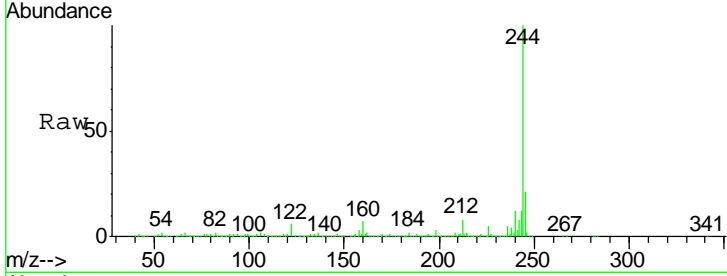


#78  
 Terphenyl-d14  
 Concen: 90.35 ng  
 RT: 20.60 min Scan# 2947  
 Delta R.T. -0.01 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

Instrument :  
 BNA\_G  
 ClientSampled :

Tgt Ion: 244 Resp: 1400757

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.7   | 5.8   | 8.8   |
| 122 | 5.8   | 7.0   | 10.4  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 26.06 min Scan# 3876  
 Delta R.T. -0.01 min  
 Lab File: BG032638.D  
 Acq: 9 Feb 2018 19:35

Tgt Ion: 264 Resp: 342093

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 17.4  | 26.0  |
| 265 | 22.1  | 17.7  | 26.5  |

