

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG041316\BG041316RAW\  
 Data File : BG021643.D  
 Acq On : 14 Apr 2016 6:55  
 Operator : UM/SJ  
 Sample : H2372-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 14 13:27:08 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 15:48:13 2016  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.214  | 152  | 30121    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.035 | 136  | 140459   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.824 | 164  | 90662    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.556 | 188  | 218882   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.828 | 240  | 251961   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.153 | 264  | 243646   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.764  | 112  | 178270   | 98.56  | ng    | 0.00     |
| 7) Phenol-d6                | 7.357  | 99   | 185718   | 68.74  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.384  | 82   | 277832   | 101.67 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.299 | 330  | 162608   | 166.42 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.455 | 172  | 629539   | 101.74 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.147 | 244  | 830077   | 82.20  | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
| 2) 1,4-Dioxane              | 3.637  | 88   | 3046     | 3.78   | ng    | # 64     |
| 18) Hexachloroethane        | 9.331  | 117  | 2575     | 2.87   | ng    | # 1      |
| 32) Benzoic acid            | 10.230 | 122  | 741      | 4.86   | ng    | 86       |
| 36) 4-Chloro-3-methylphenol | 12.339 | 107  | 7207     | 2.65   | ng    | # 22     |
| 49) Dimethylphthalate       | 14.000 | 177  | 16002    | 2.04   | ng    | 100      |

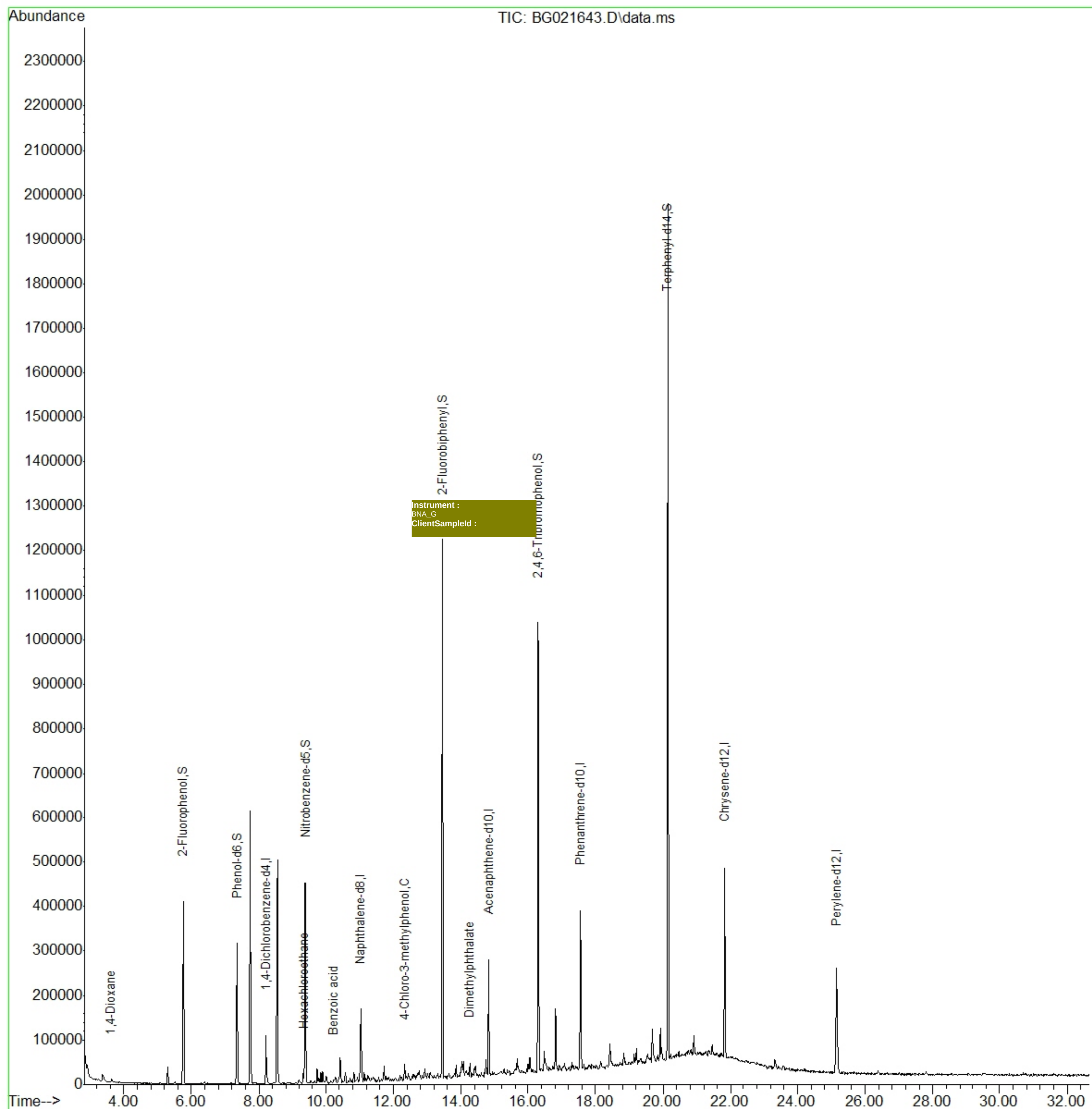
Instrument :  
 BNA\_G  
 ClientSampleId :

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

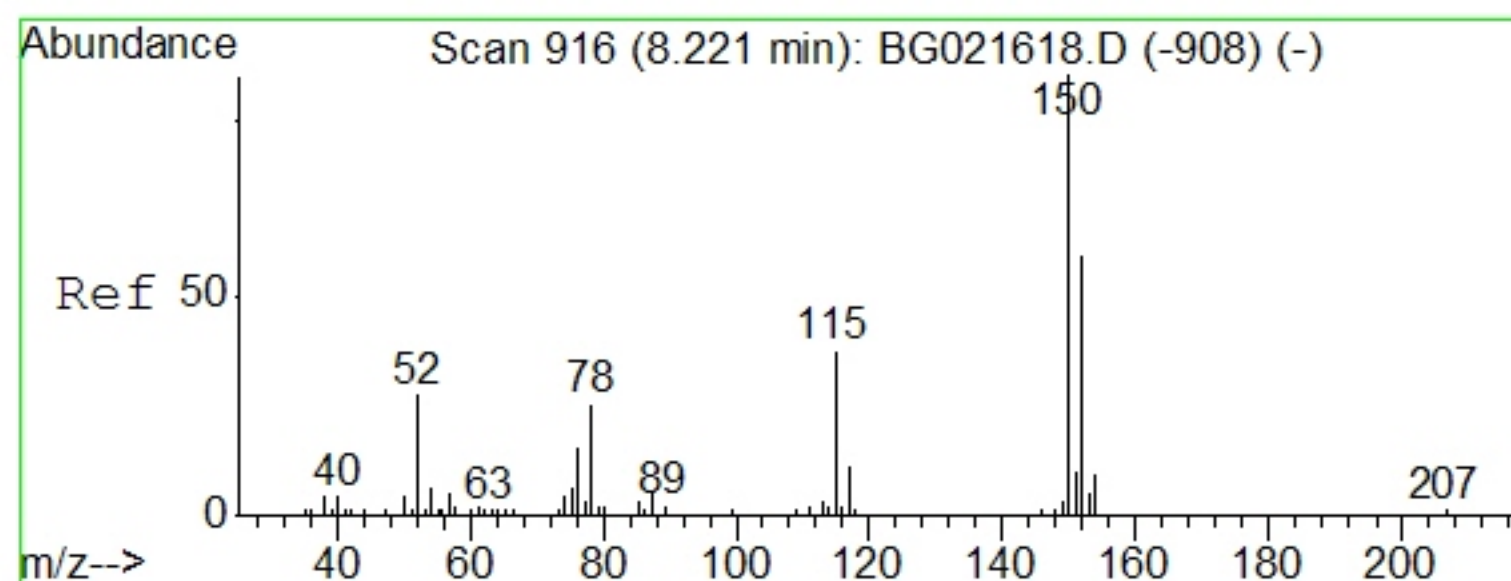


Data Path : Z:\HPCHEM1\BNA\_G\Data\BG041316\BG041316RAW\  
Data File : BG021643.D  
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Sample : H2372-01  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
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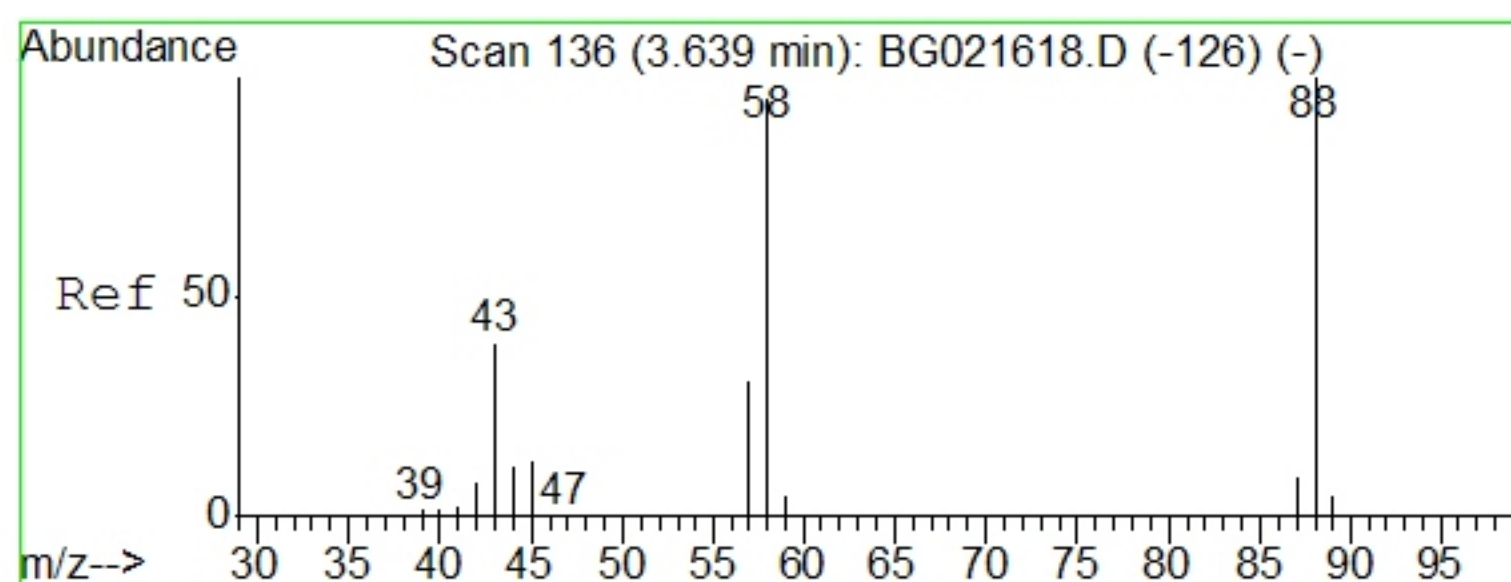
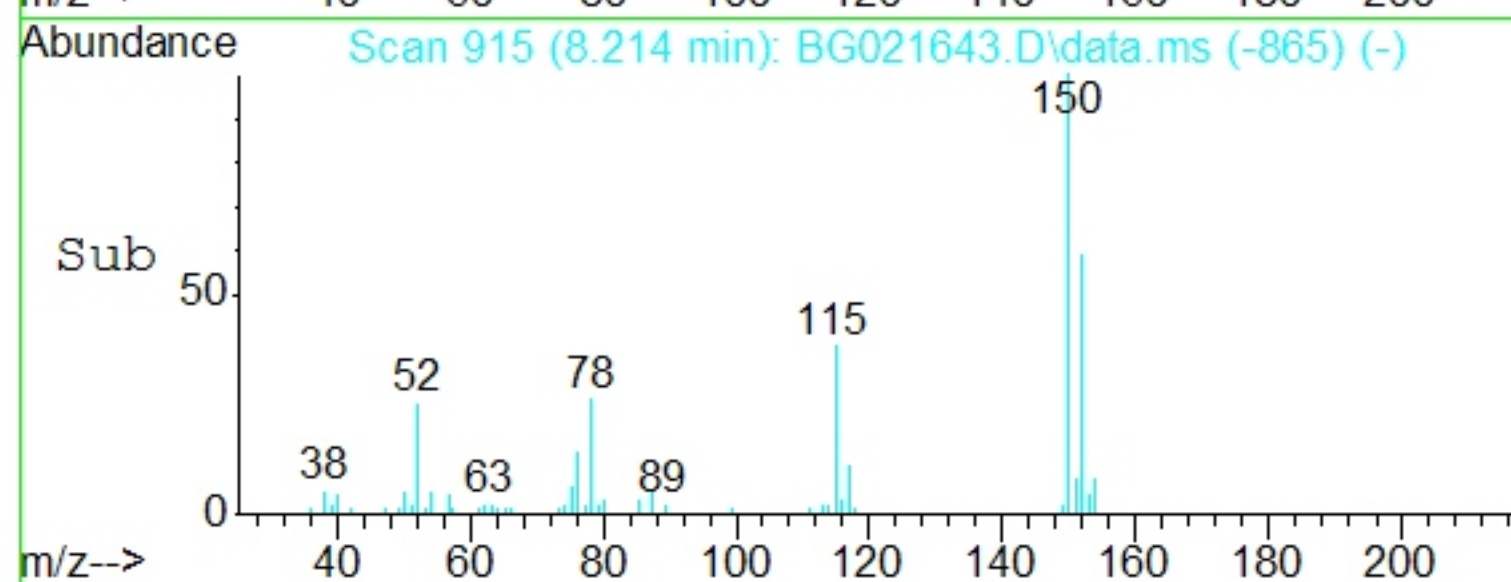
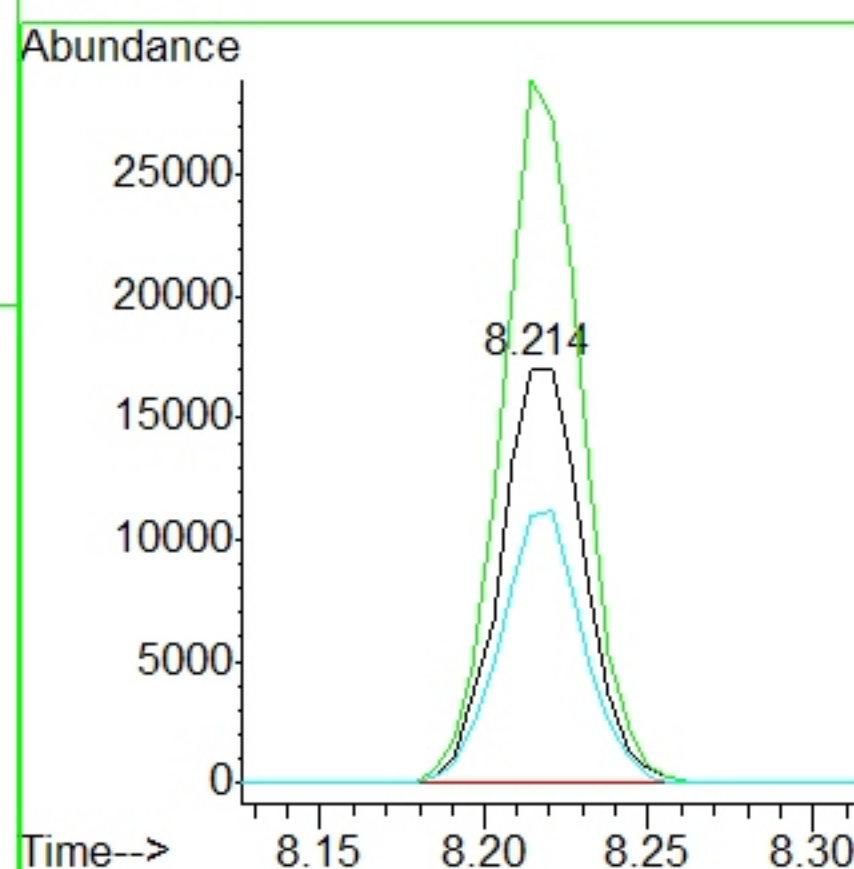
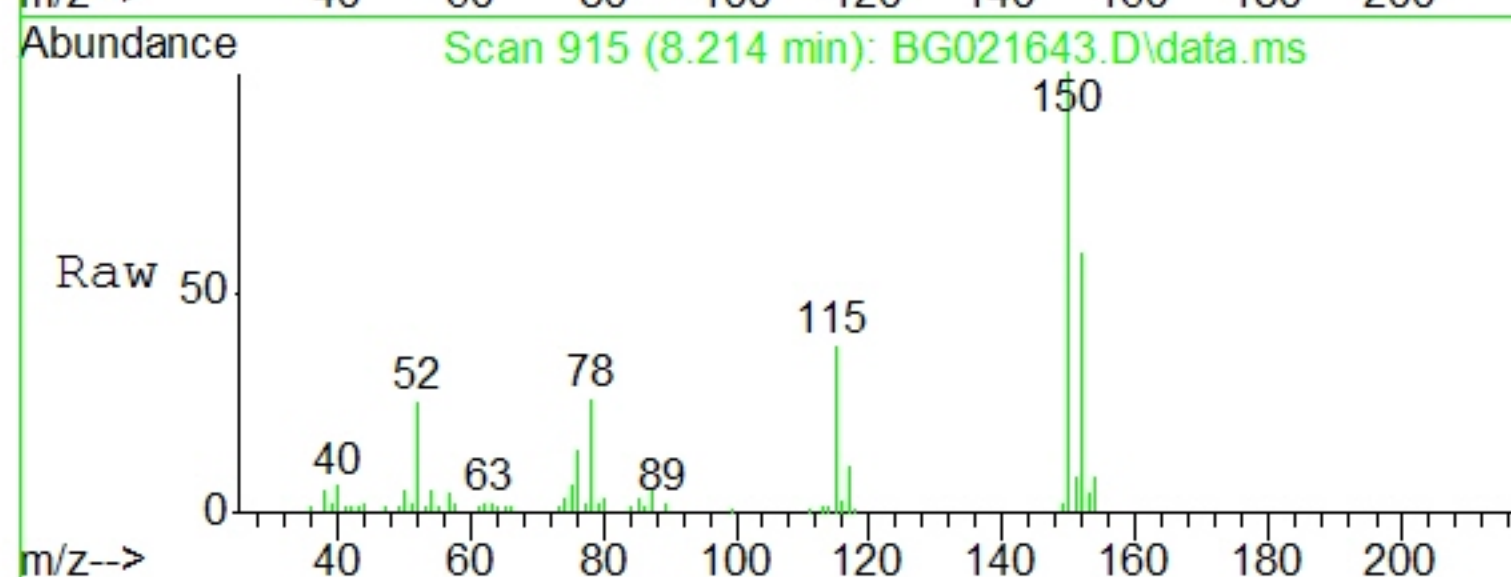






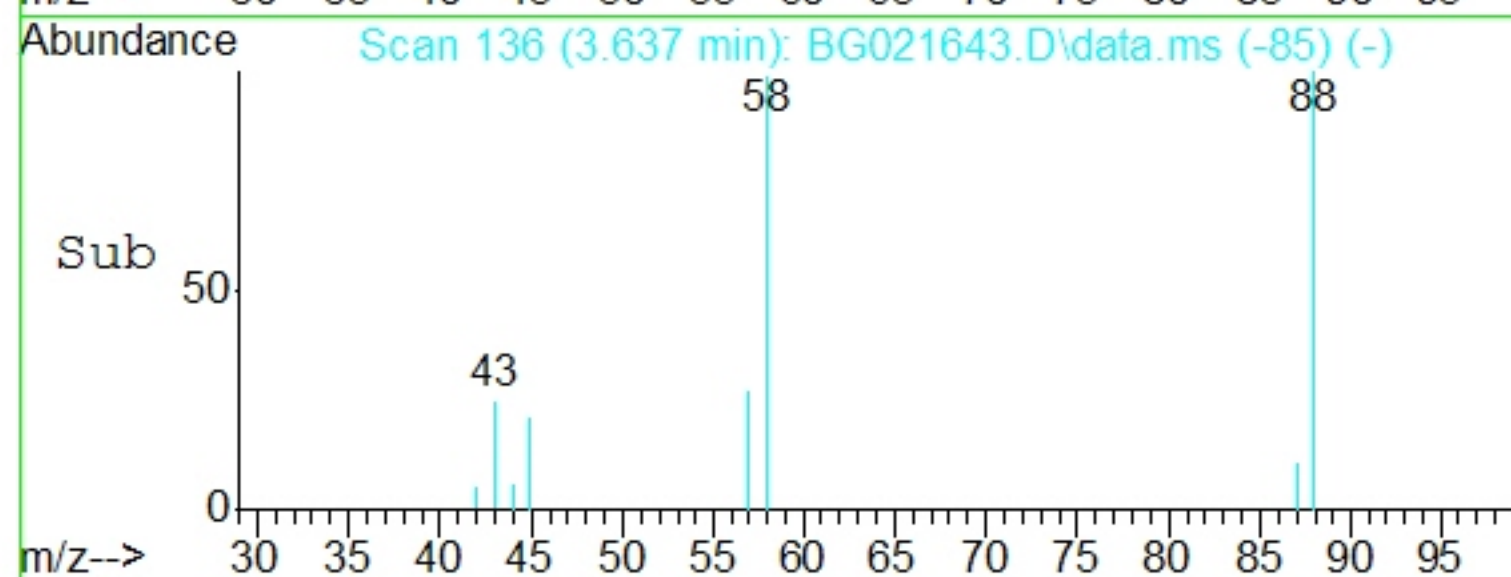
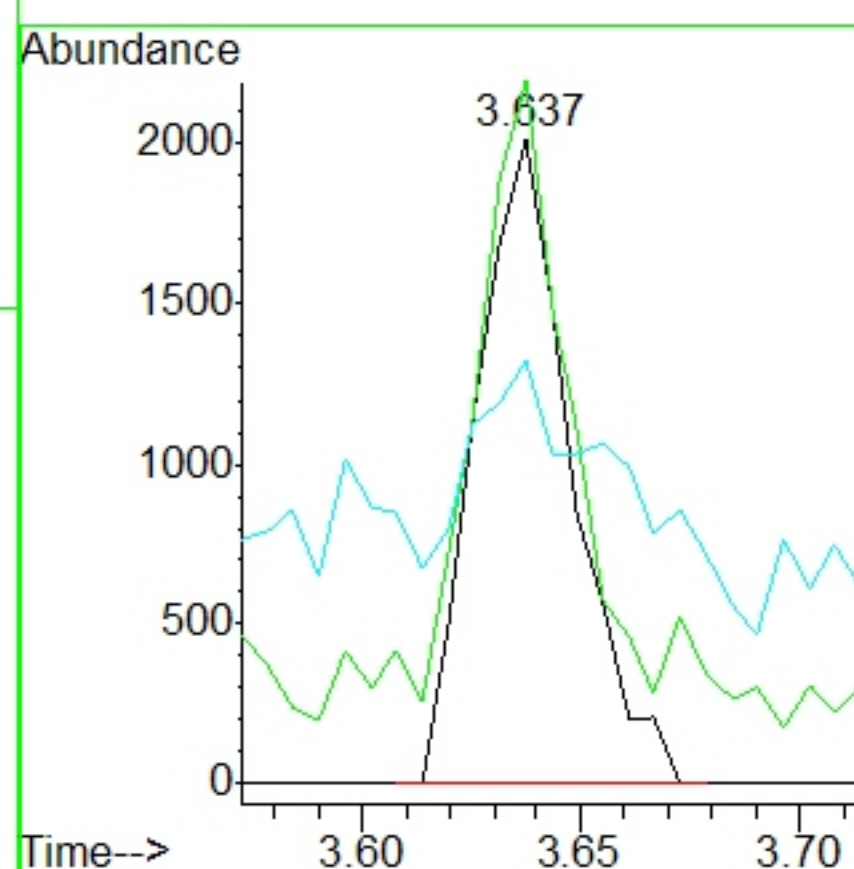
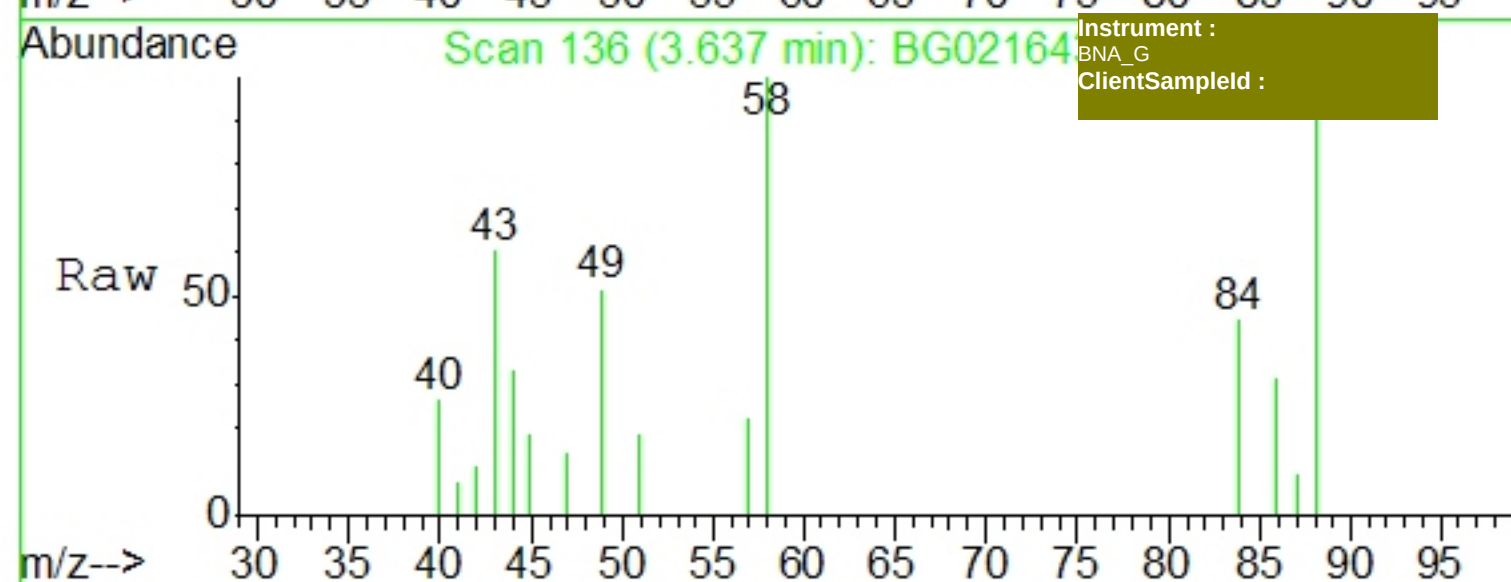
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.214 min Scan# 915  
Delta R.T. -0.007 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 170.0 | 130.1 | 195.1 |
| 115     | 64.5  | 62.2  | 93.2  |

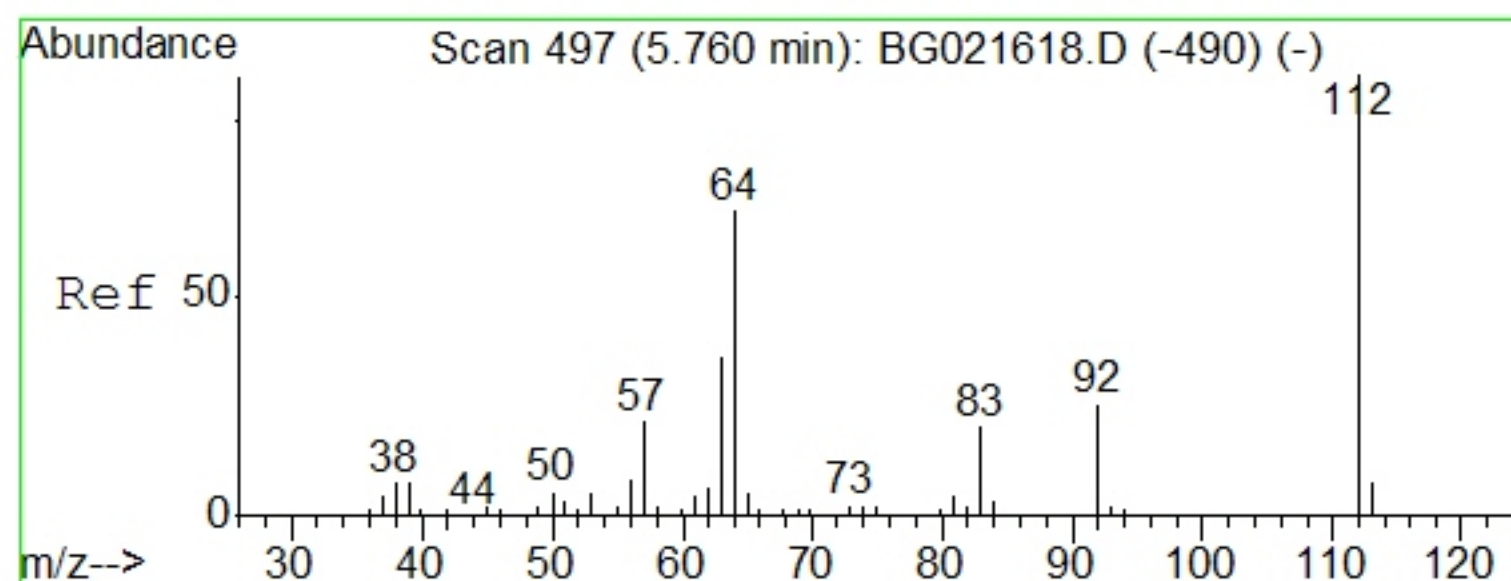


#2  
1,4-Dioxane  
Concen: 3.78 ng  
RT: 3.637 min Scan# 136  
Delta R.T. -0.001 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 100.4 | 61.8  | 92.8# |
| 43      | 67.4  | 27.3  | 40.9# |

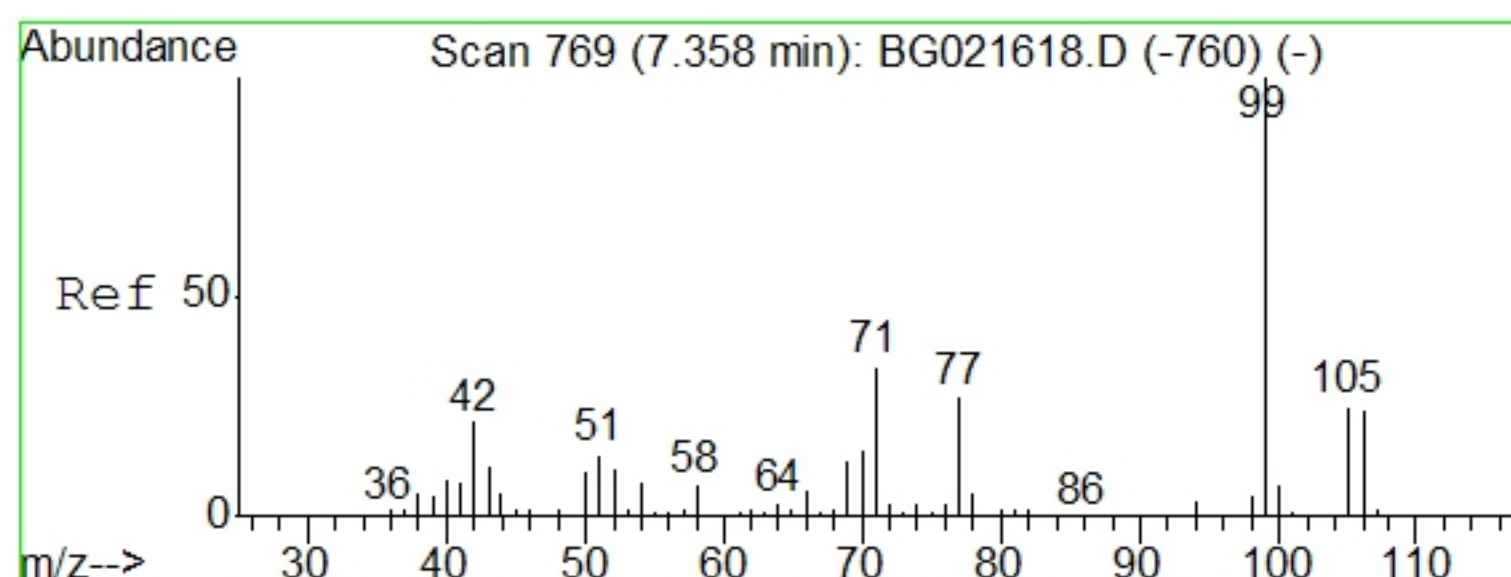
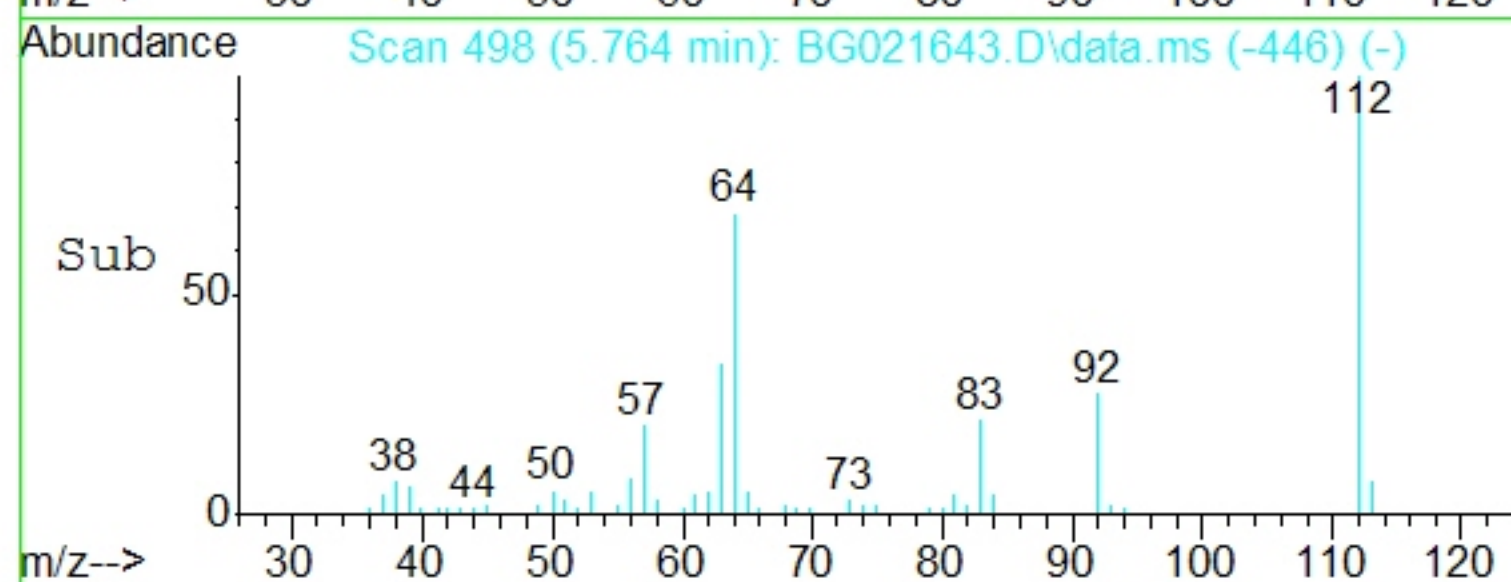
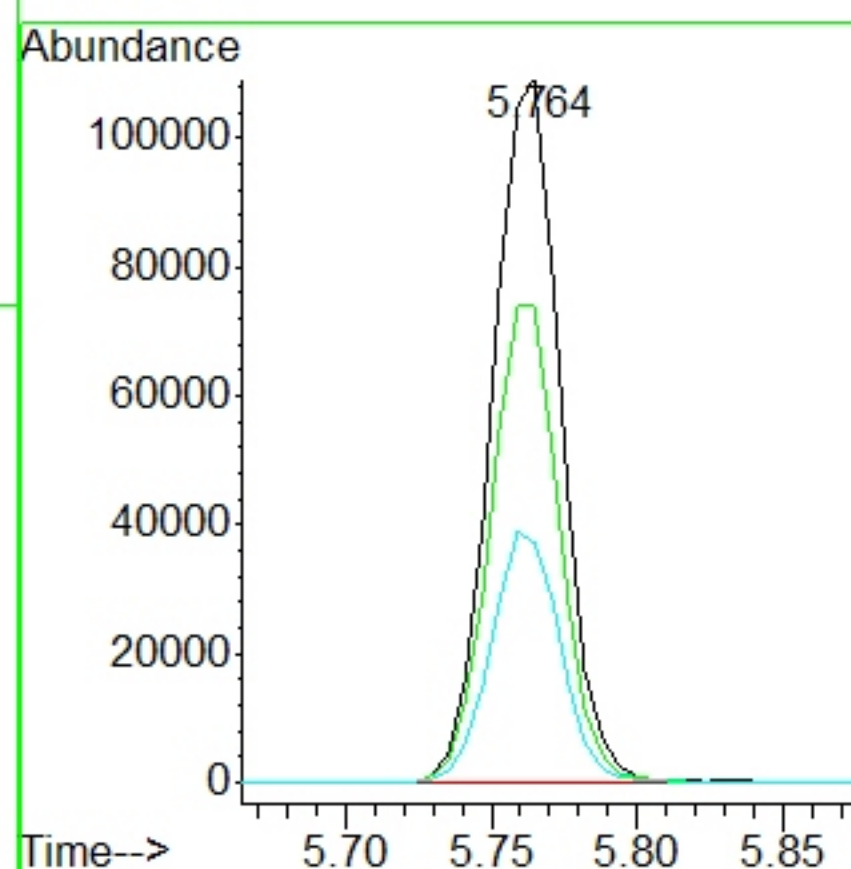
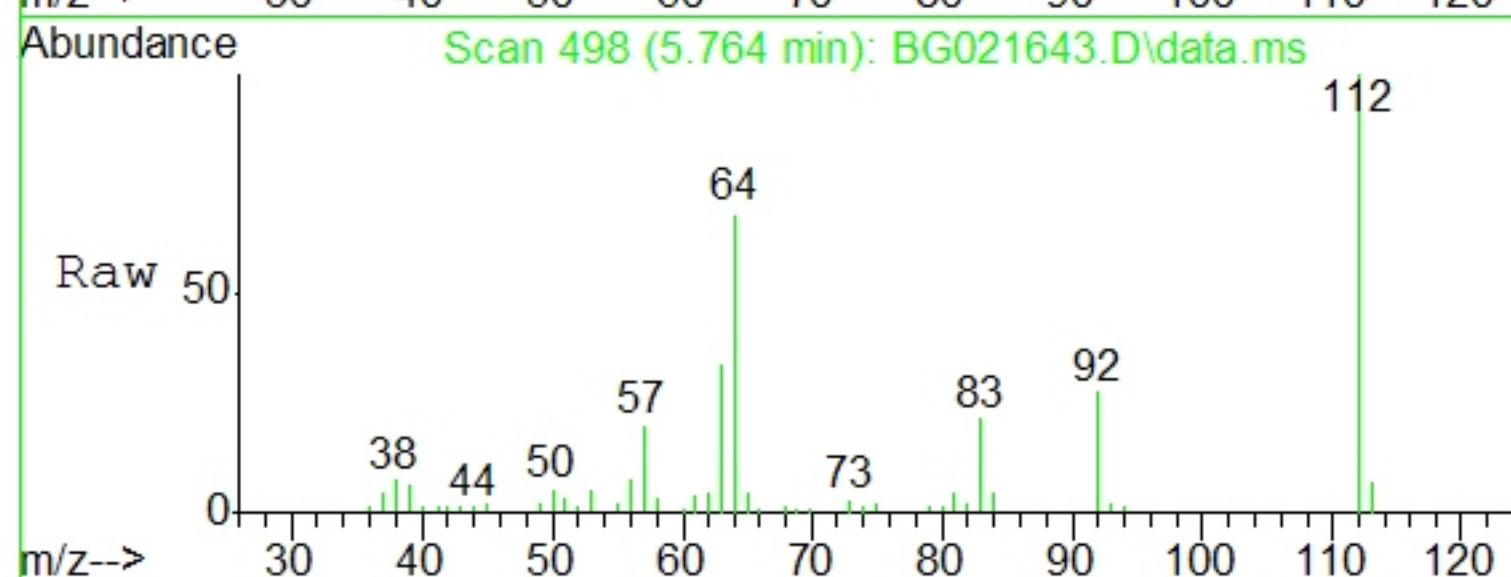






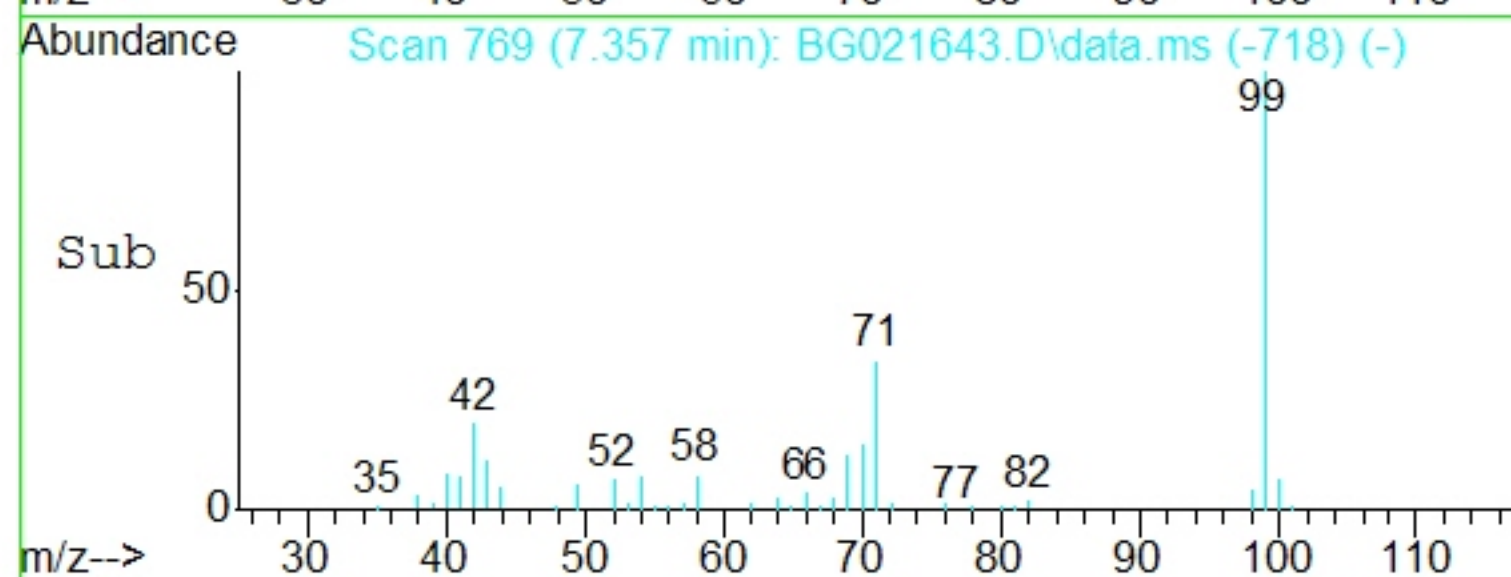
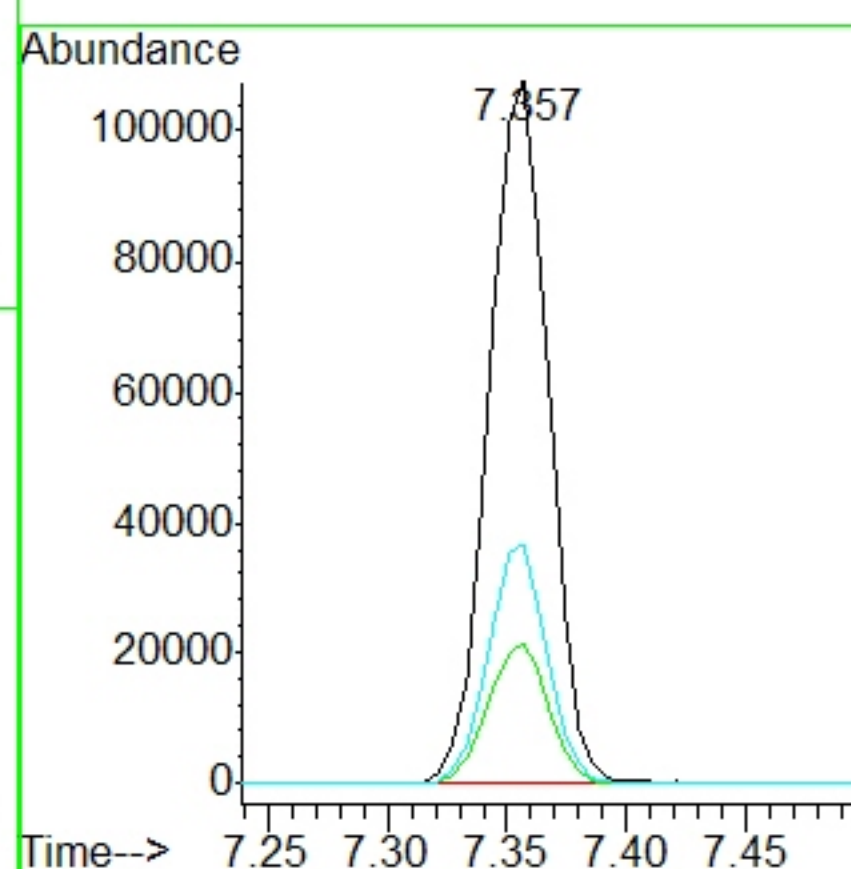
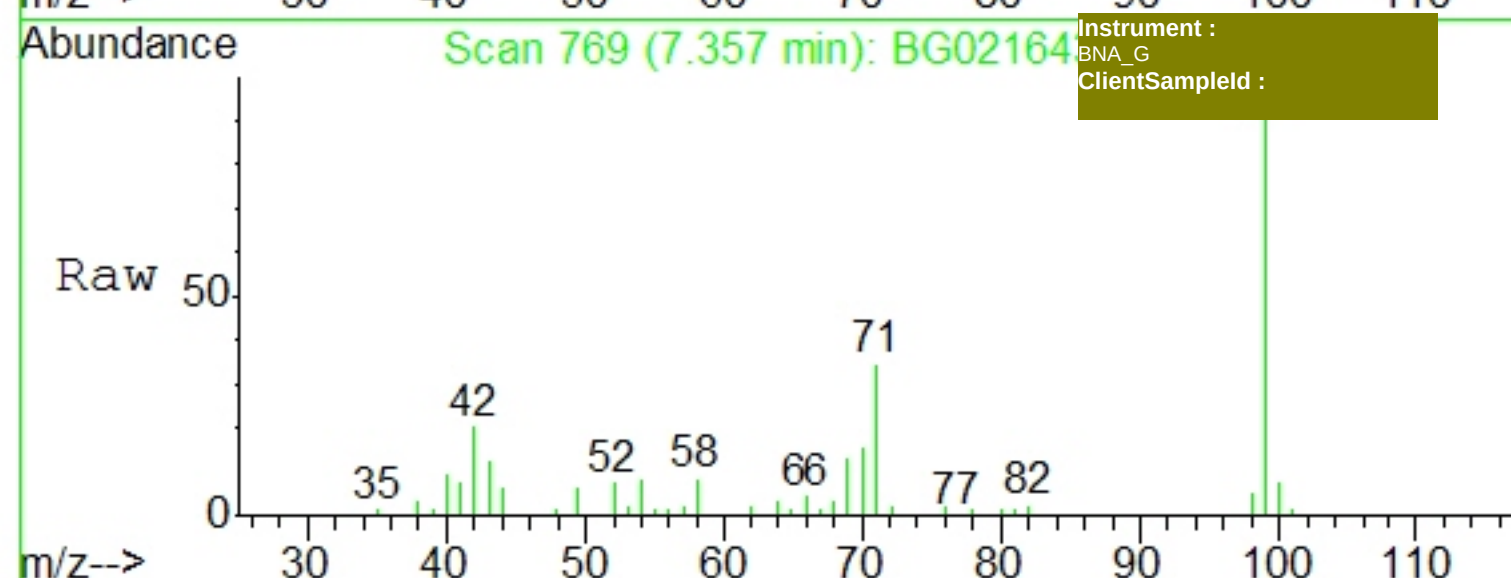
#5  
2-Fluorophenol  
Concen: 98.56 ng  
RT: 5.764 min Scan# 498  
Delta R.T. 0.005 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.7  | 51.1  | 76.7  |
| 63      | 34.3  | 24.6  | 37.0  |

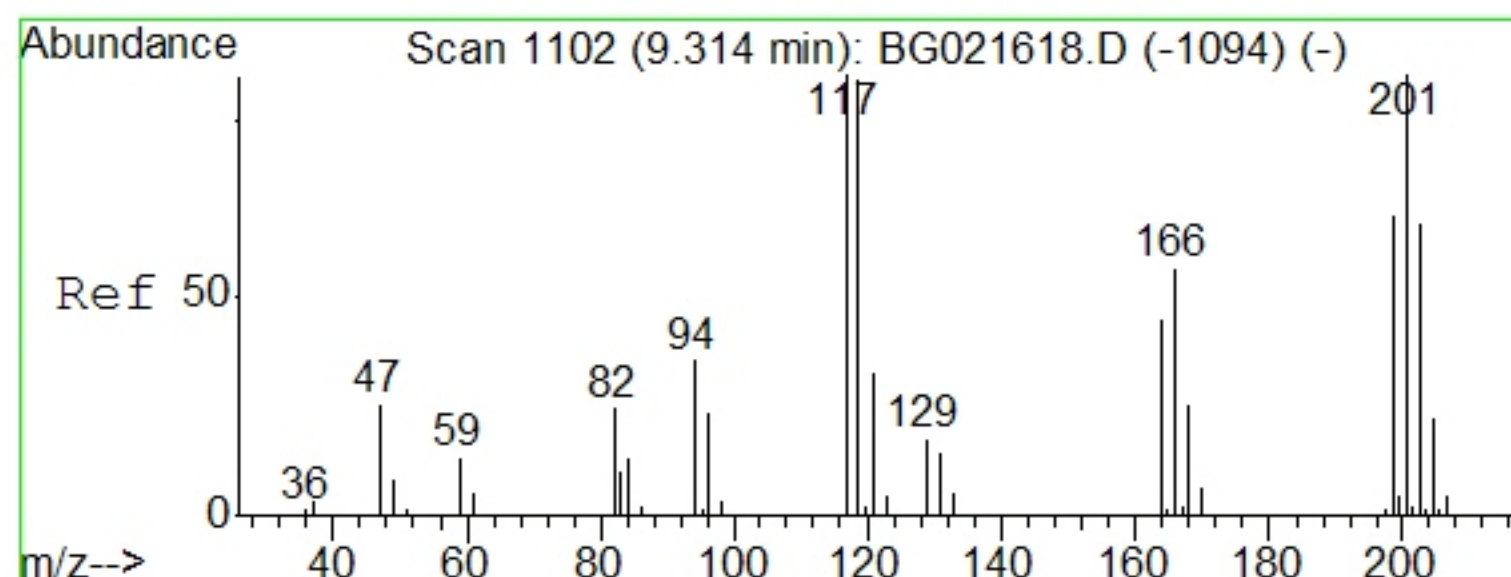


#7  
Phenol-d6  
Concen: 68.74 ng  
RT: 7.357 min Scan# 769  
Delta R.T. -0.001 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 20.0  | 16.4  | 24.6  |
| 71      | 34.0  | 25.0  | 37.4  |

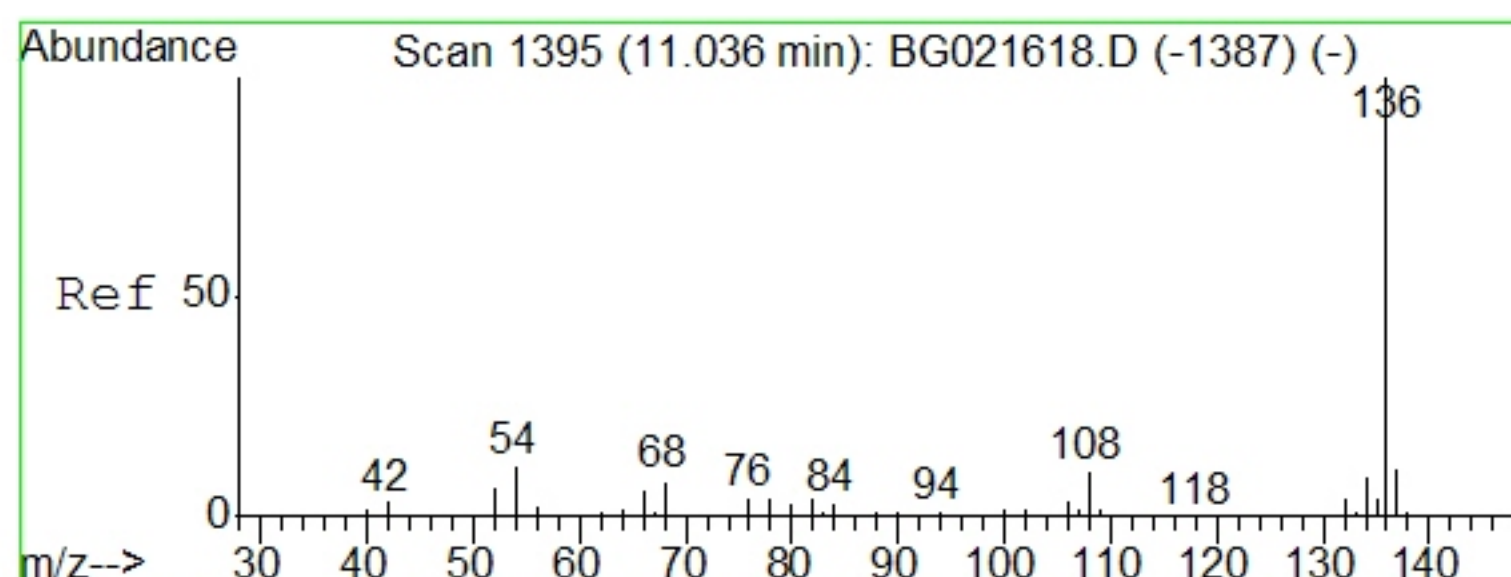
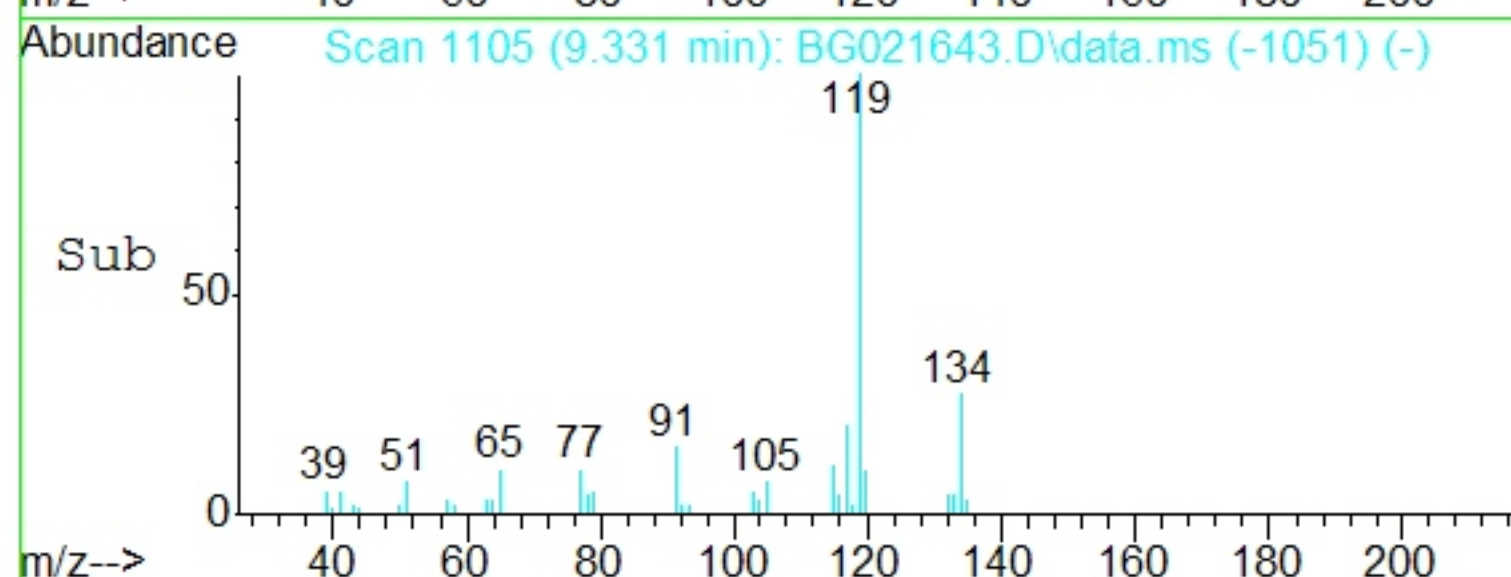
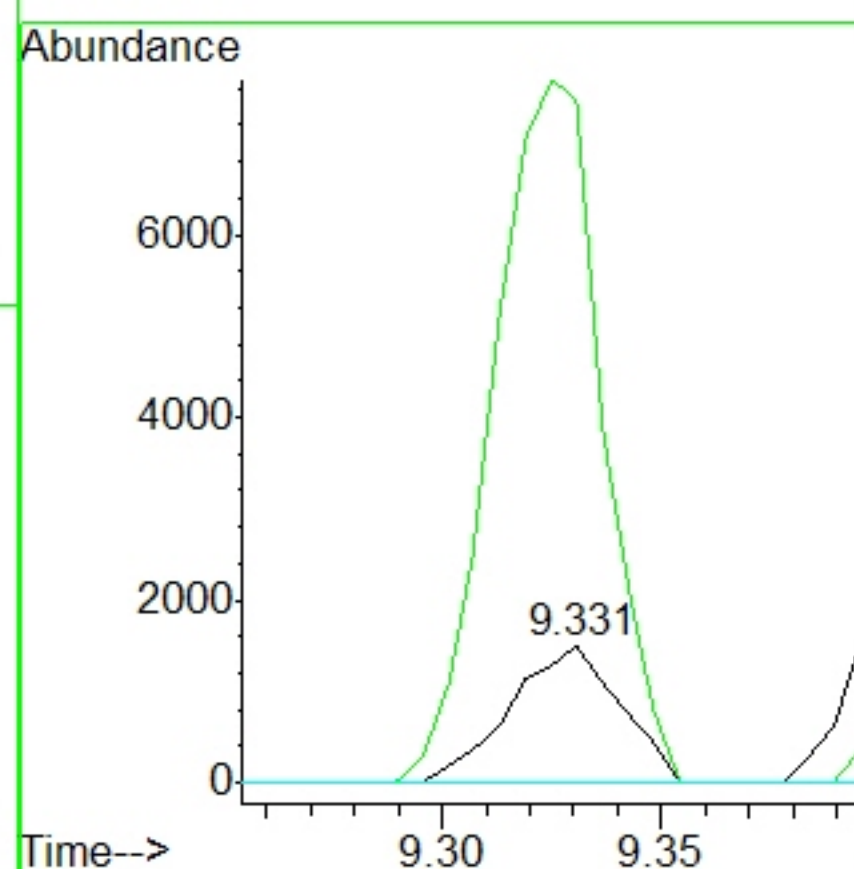
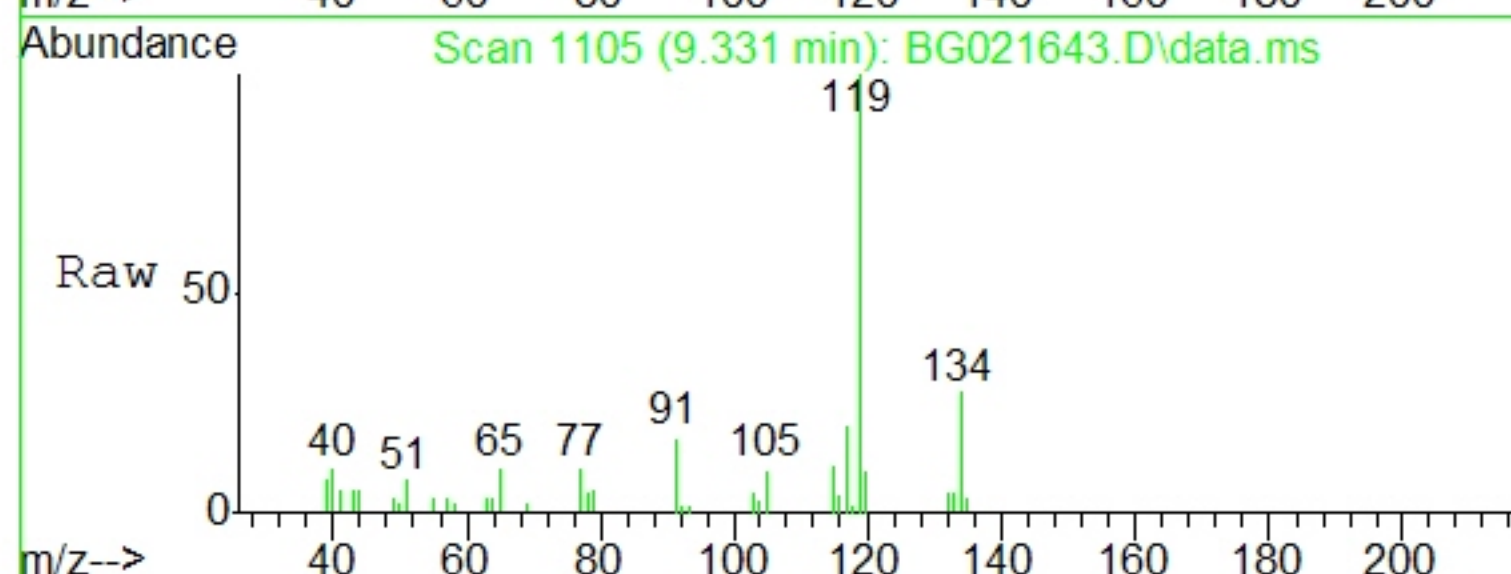






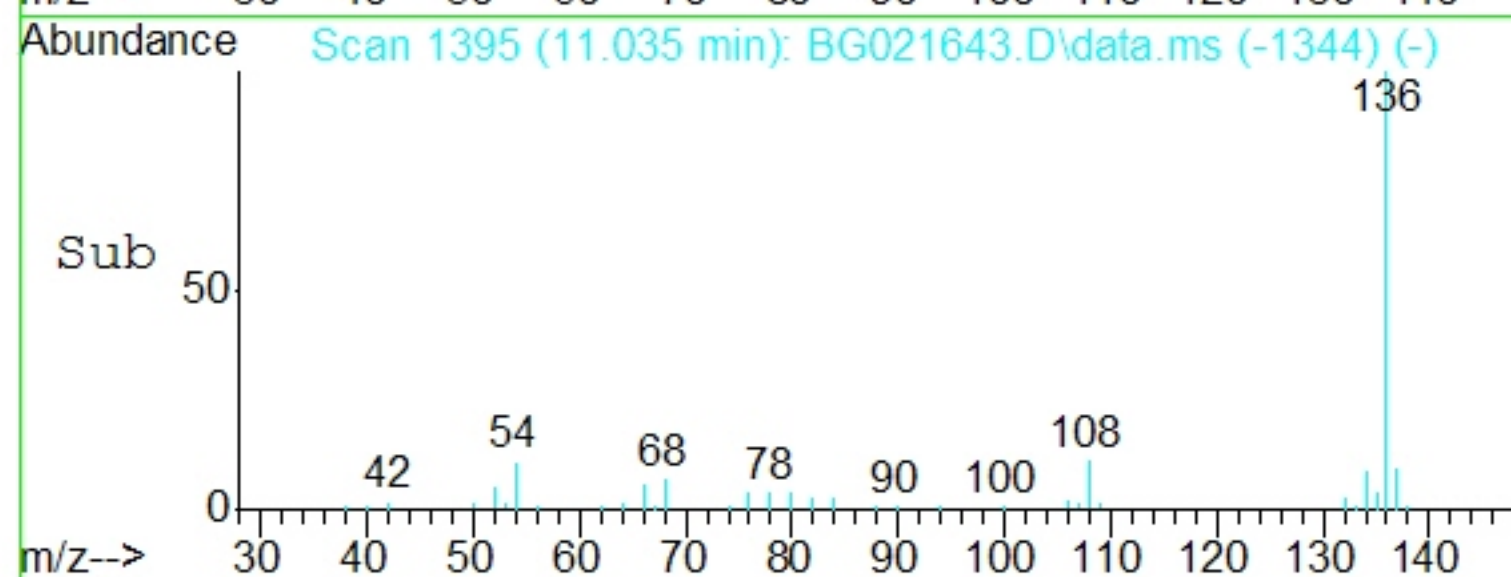
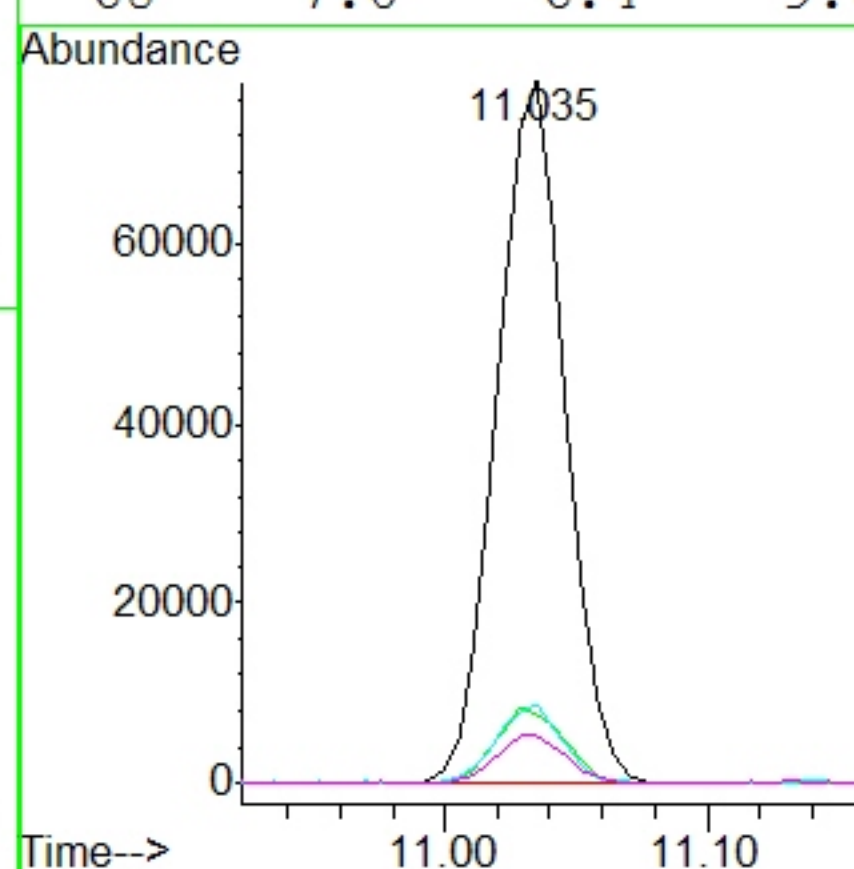
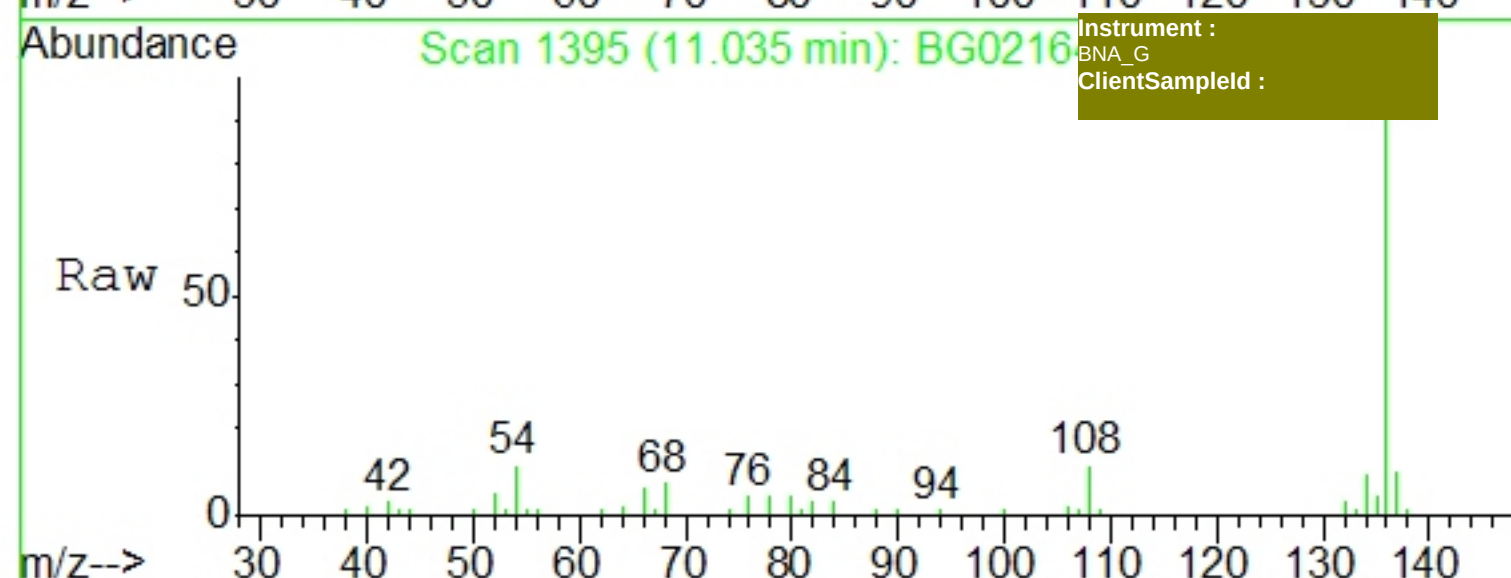
#18  
Hexachloroethane  
Concen: 2.87 ng  
RT: 9.331 min Scan# 1105  
Delta R.T. 0.016 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 501.0 | 63.9  | 95.9# |
| 201     | 0.0   | 61.2  | 91.8# |

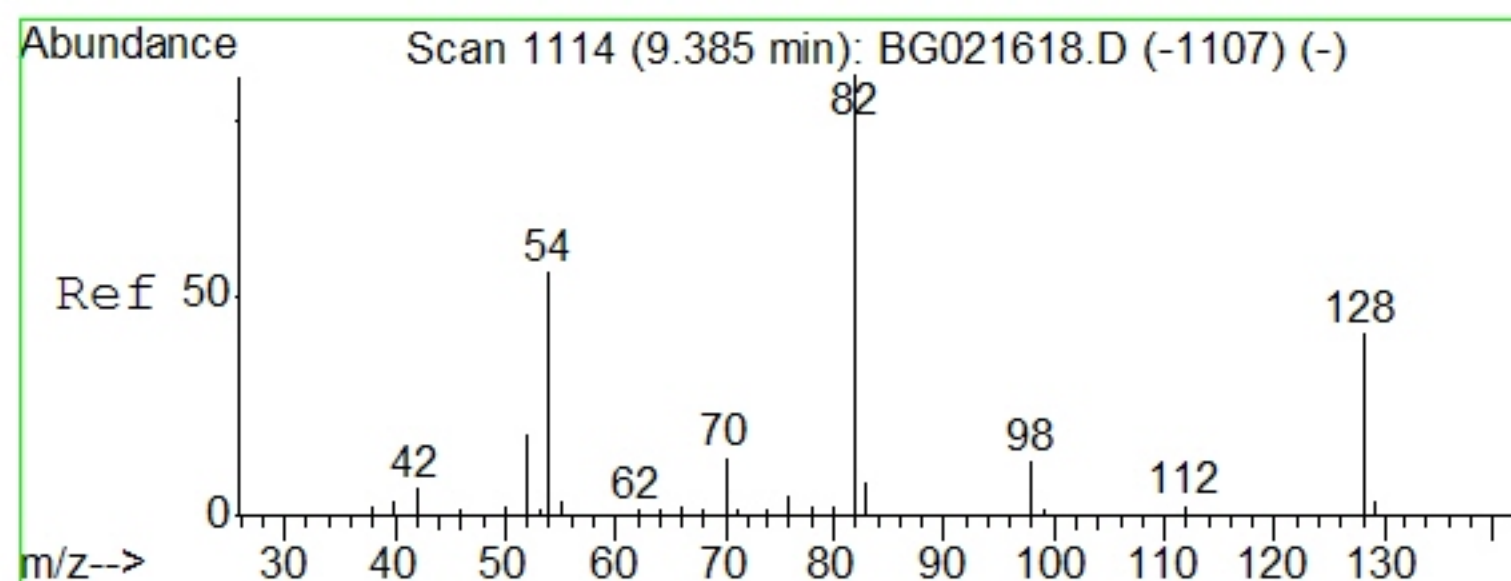


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.035 min Scan# 1395  
Delta R.T. -0.001 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.0  | 9.0   | 13.4  |
| 54      | 11.4  | 9.6   | 14.4  |
| 68      | 7.0   | 6.4   | 9.6   |

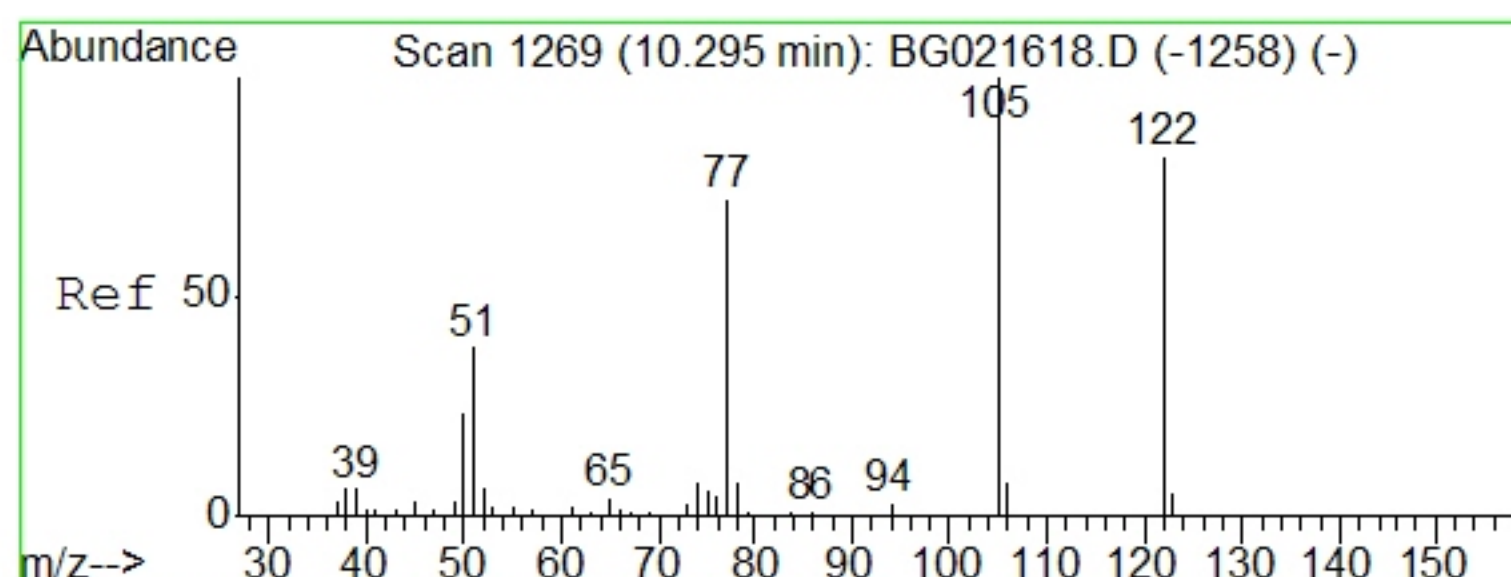
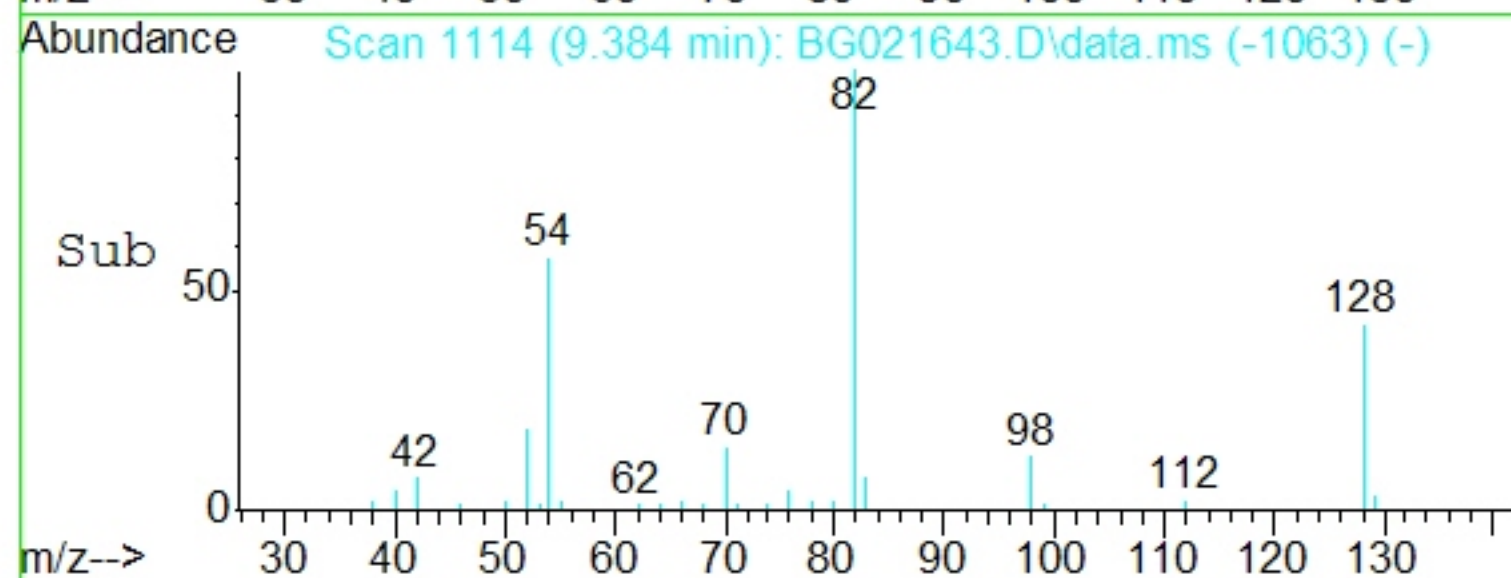
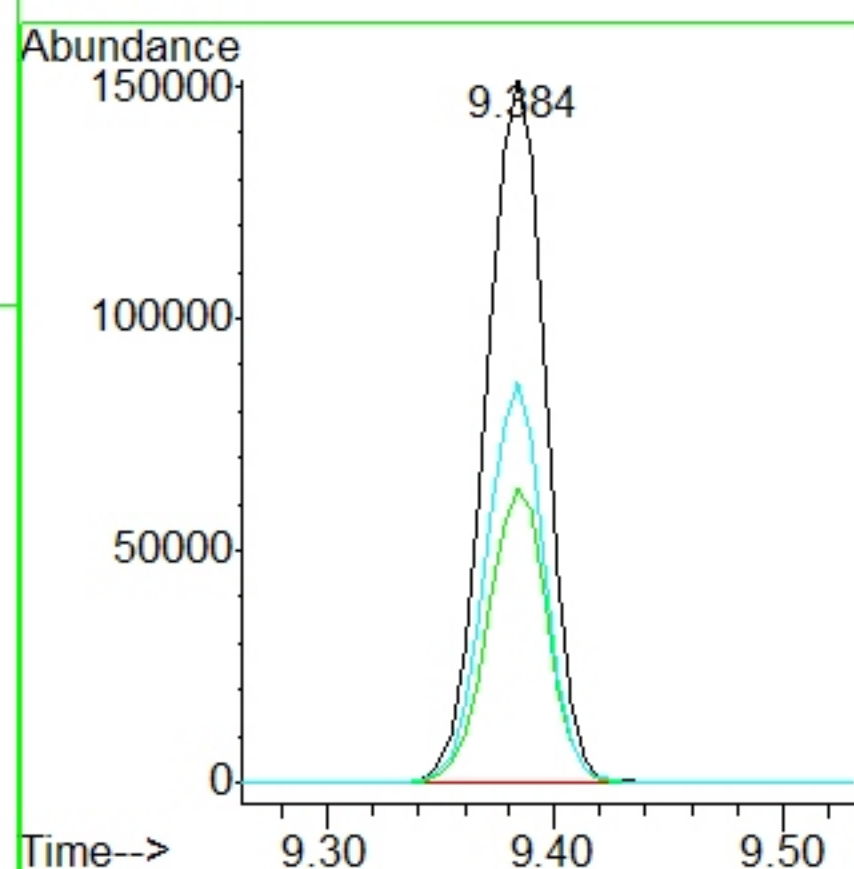
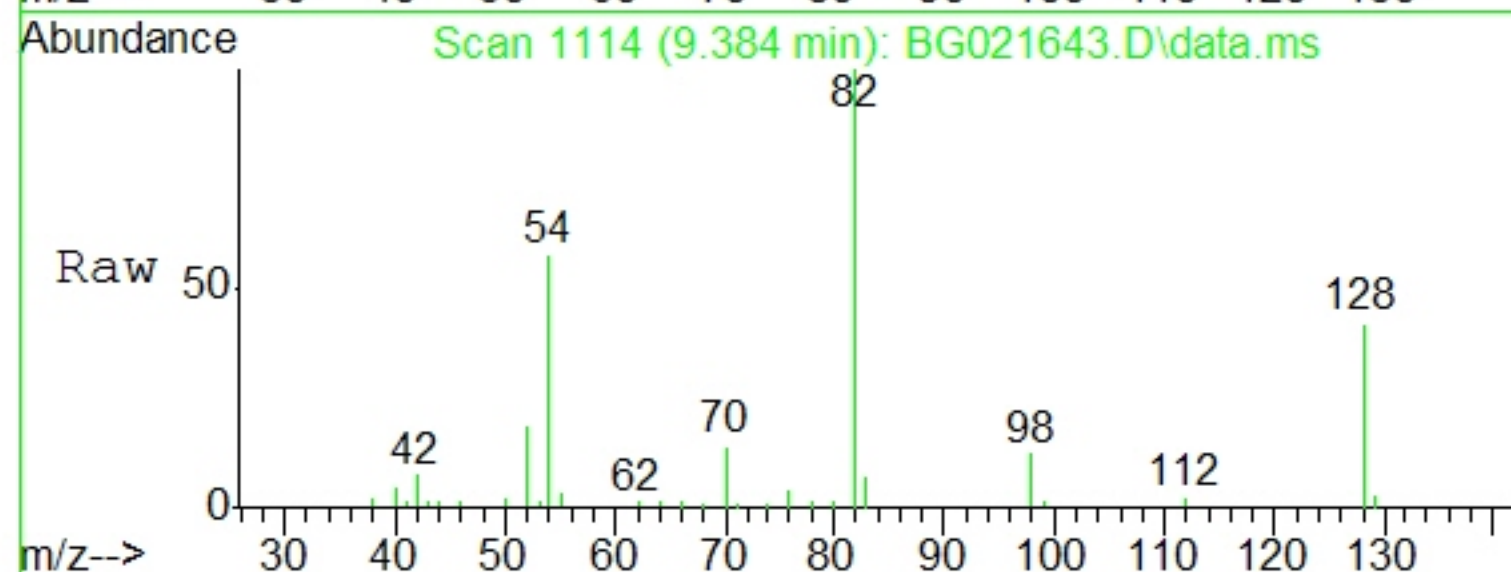






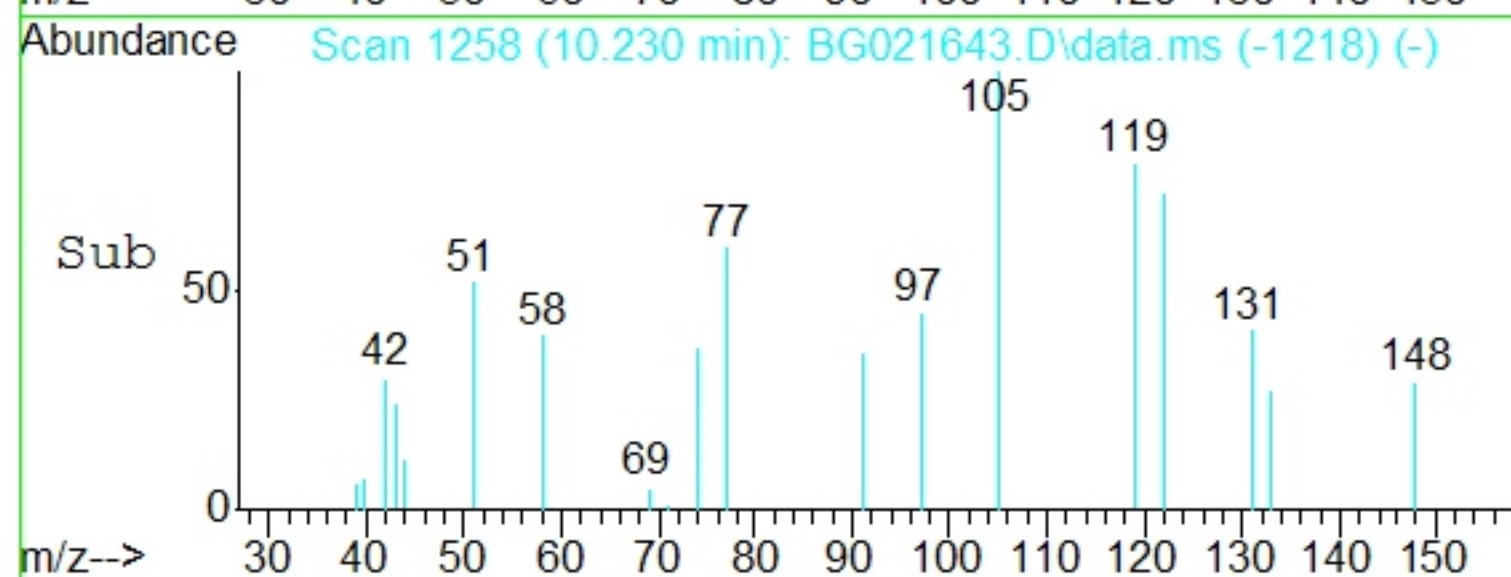
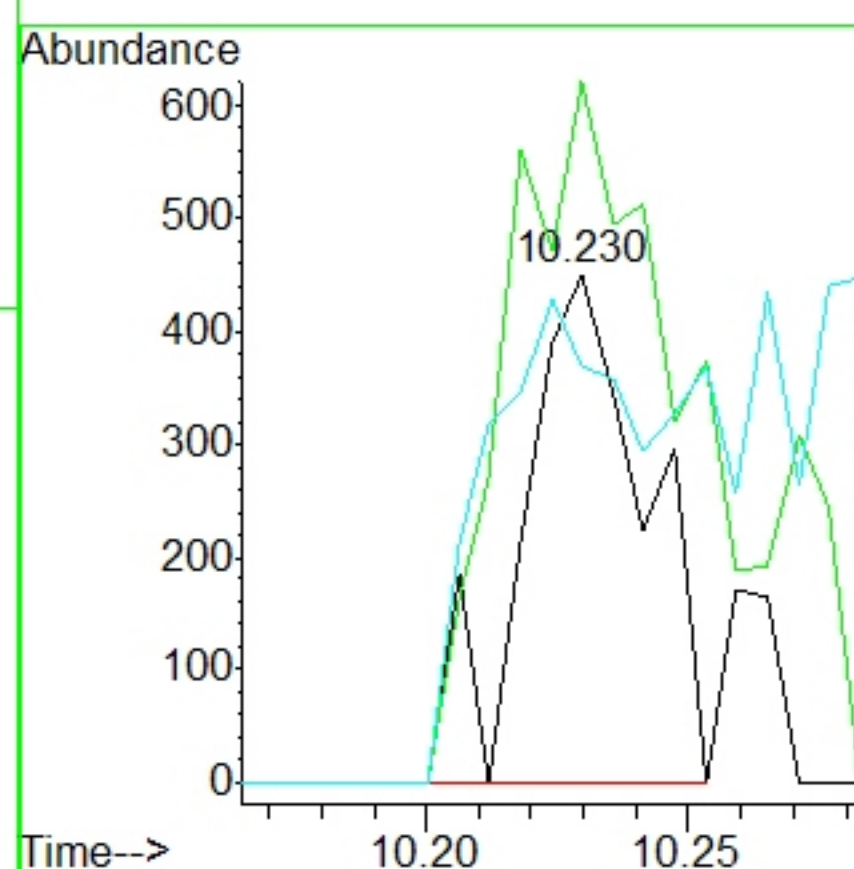
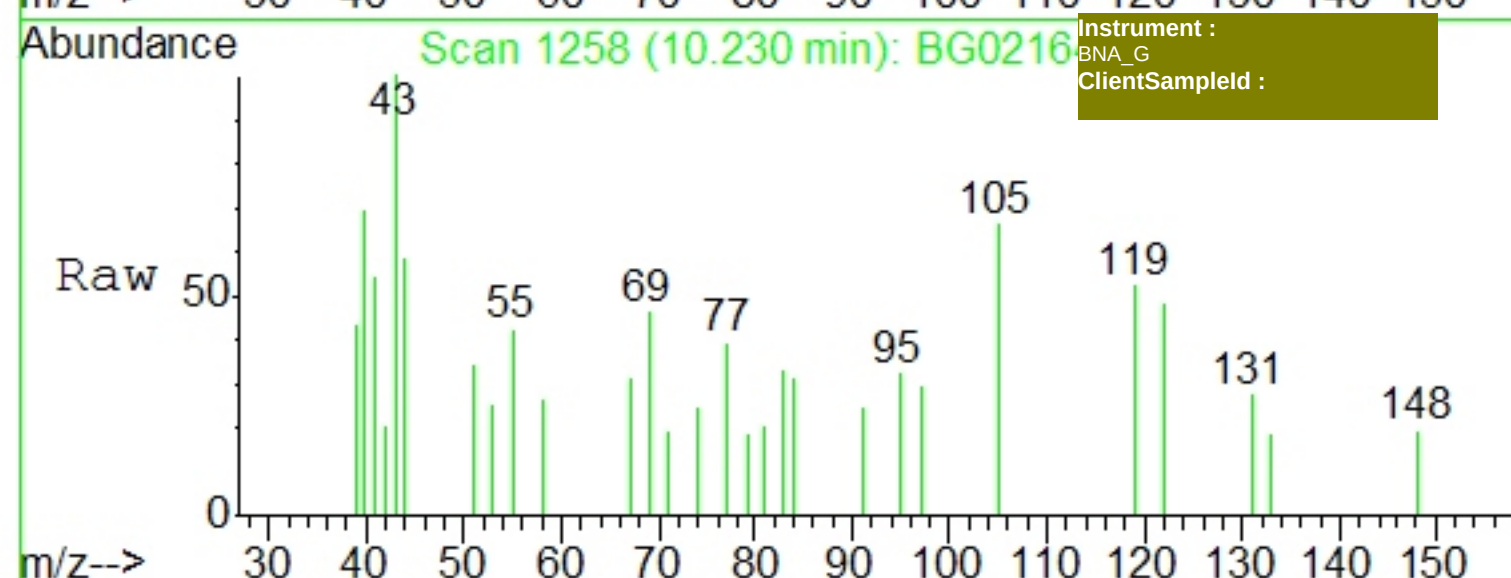
#23  
Nitrobenzene-d5  
Concen: 101.67 ng  
RT: 9.384 min Scan# 1114  
Delta R.T. -0.001 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.7  | 33.4  | 50.0  |
| 54      | 56.8  | 46.1  | 69.1  |

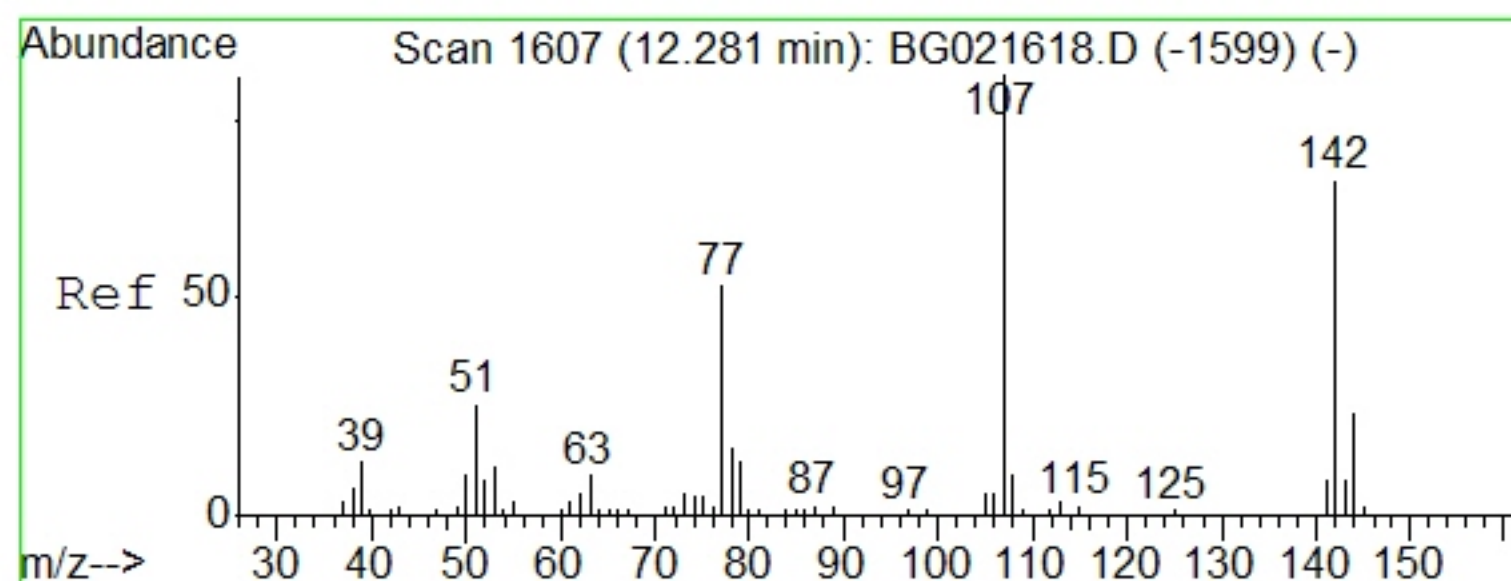


#32  
Benzoic acid  
Concen: 4.86 ng  
RT: 10.230 min Scan# 1258  
Delta R.T. -0.065 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 138.0 | 104.5 | 144.5 |
| 77      | 82.2  | 79.9  | 119.9 |

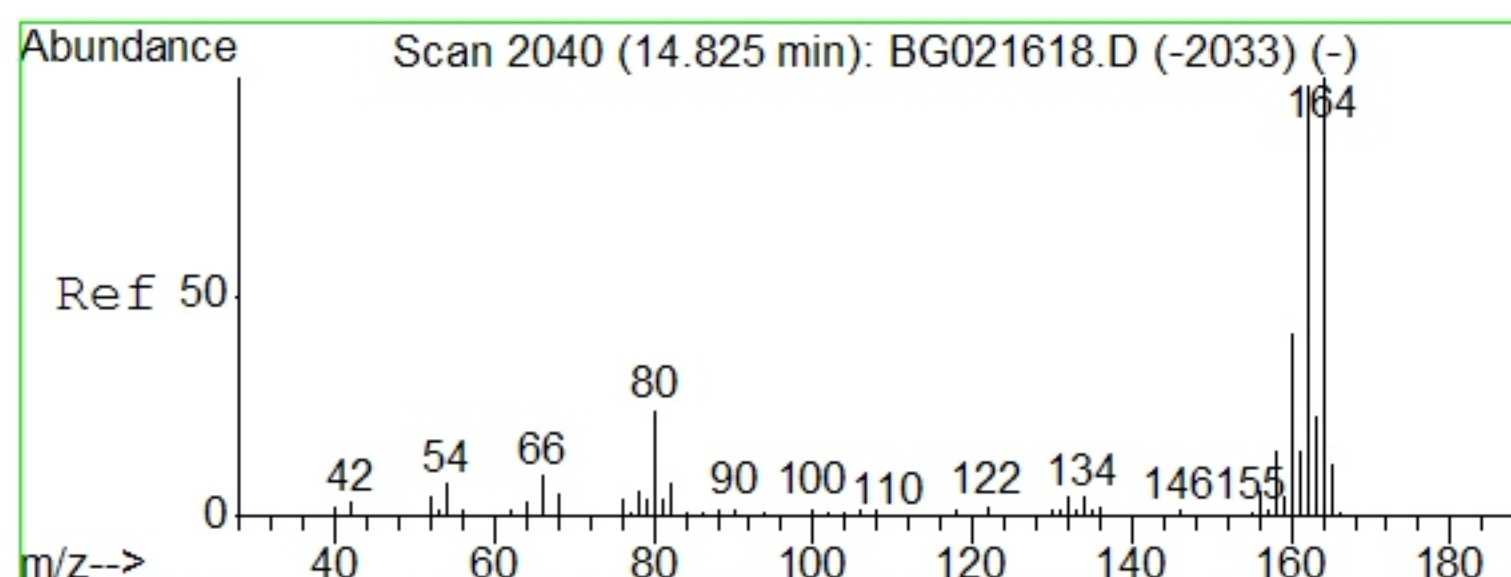
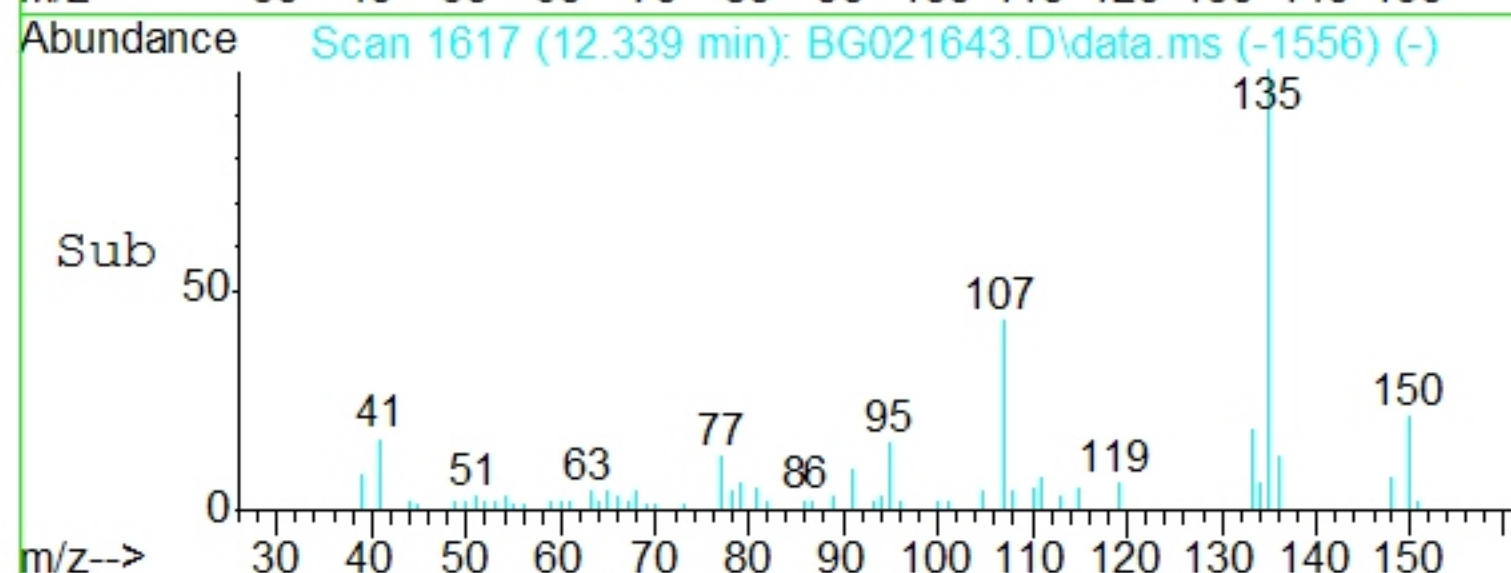
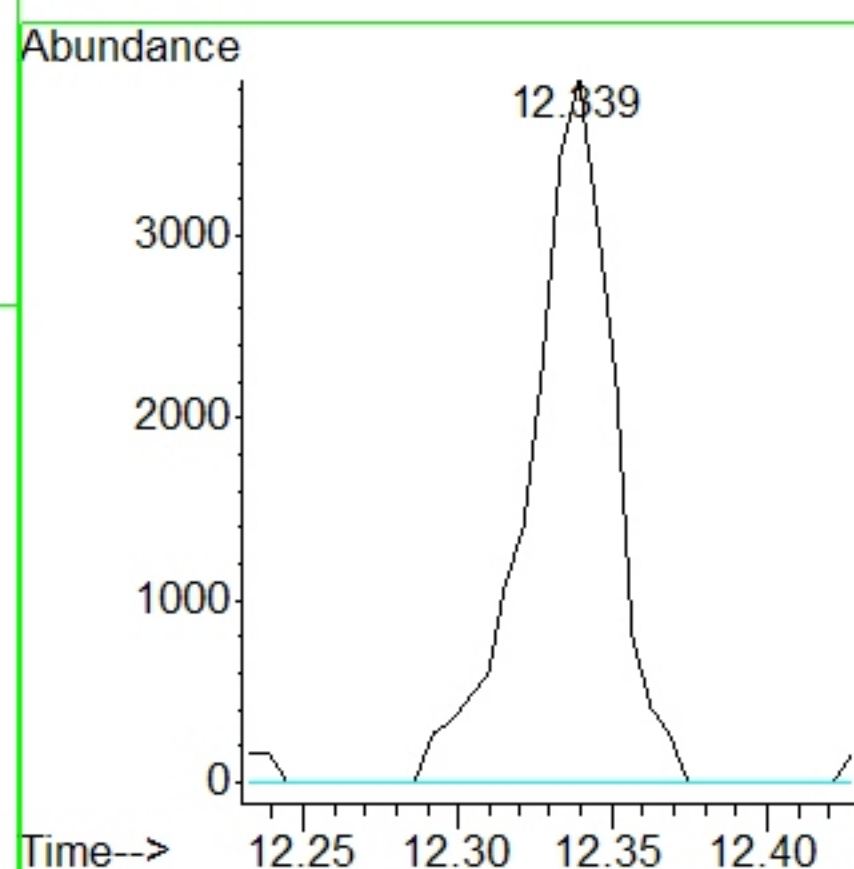
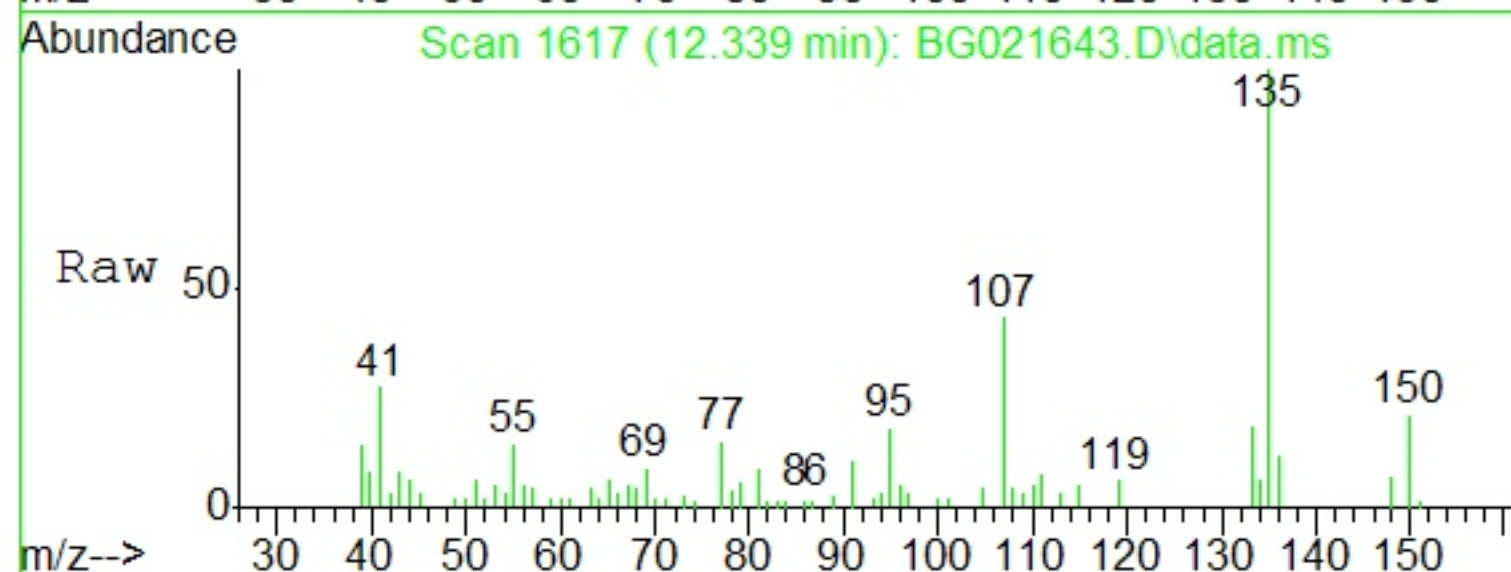






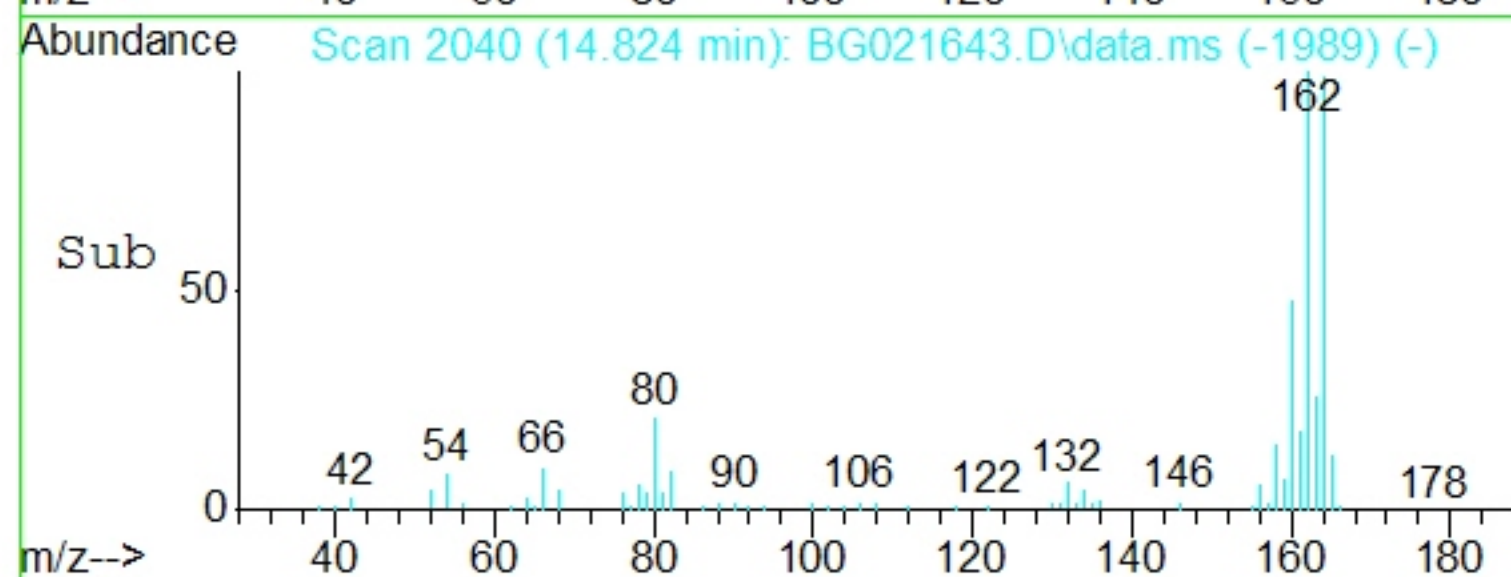
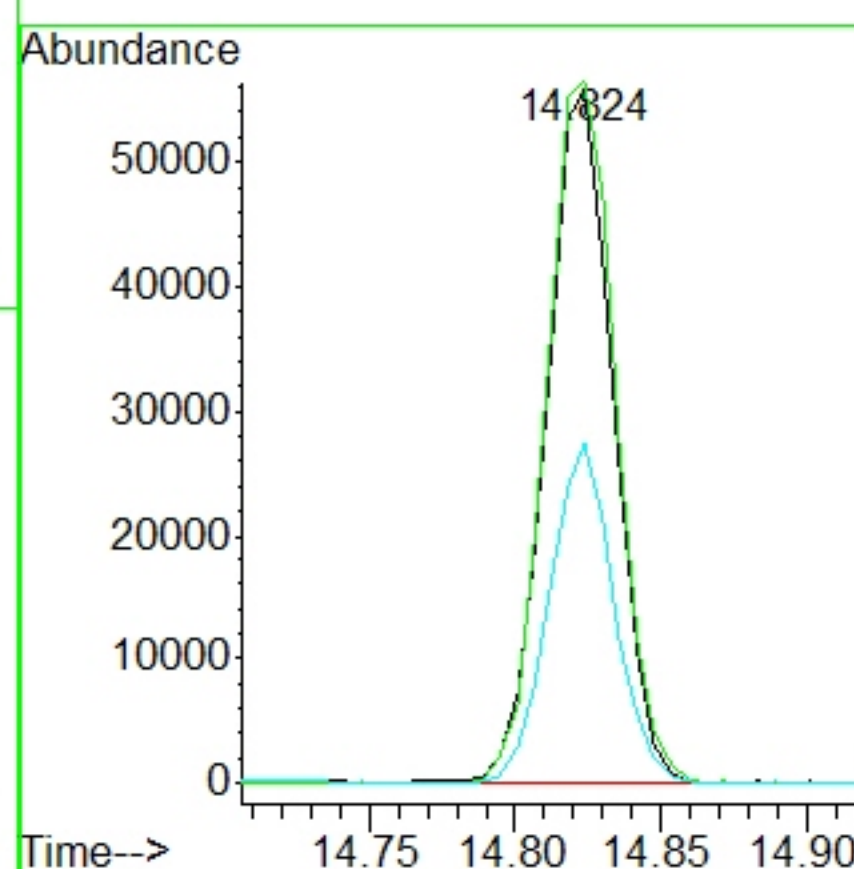
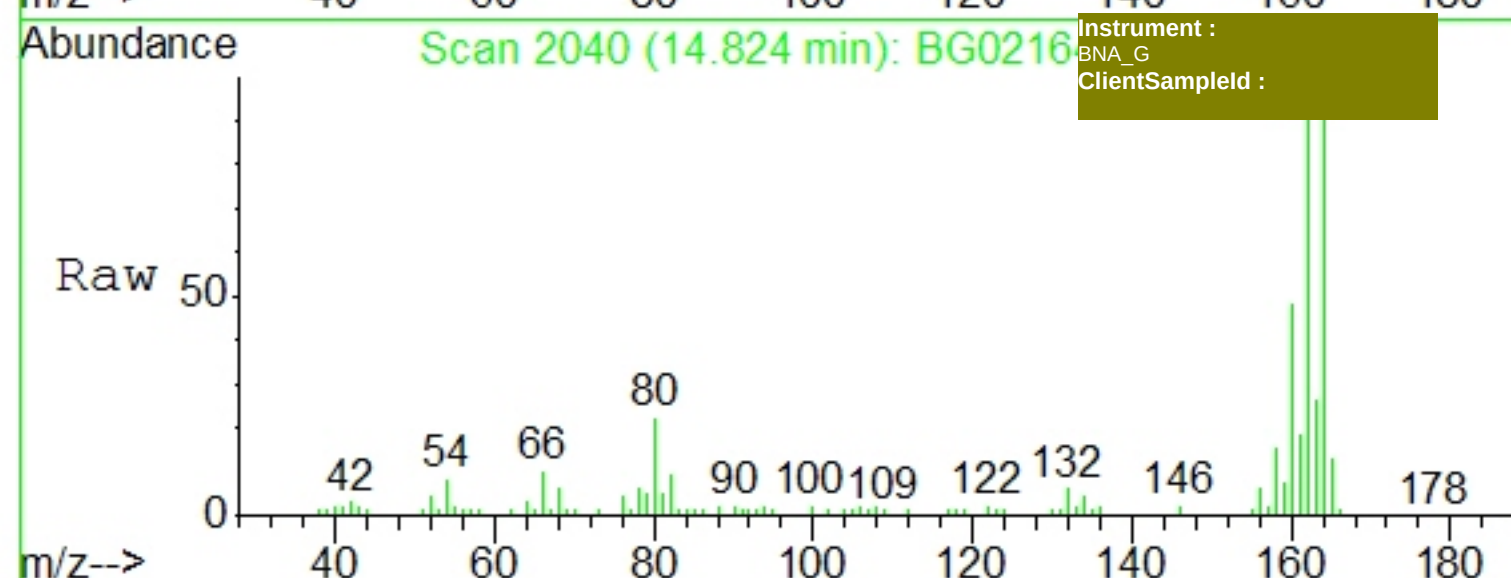
#36  
4-Chloro-3-methylphenol  
Concen: 2.65 ng  
RT: 12.339 min Scan# 1617  
Delta R.T. 0.058 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 0.0   | 19.2  | 28.8# |
| 142     | 0.0   | 59.1  | 88.7# |

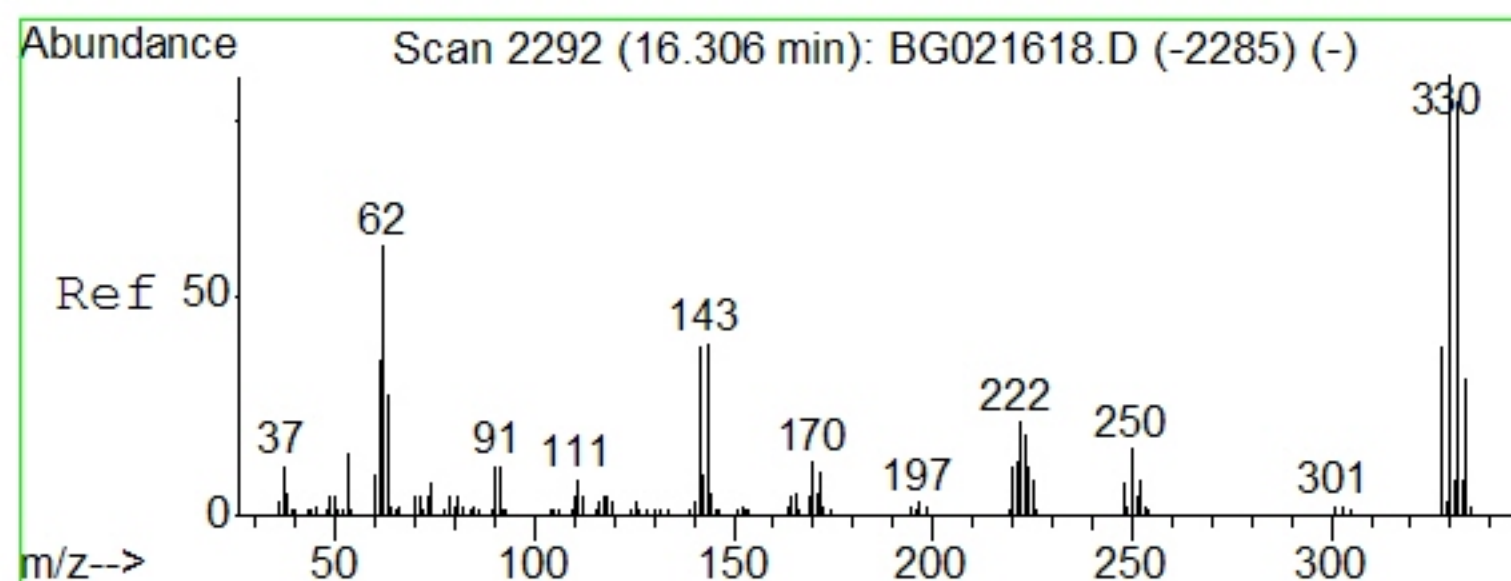


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.824 min Scan# 2040  
Delta R.T. -0.001 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.3 | 78.0  | 117.0 |
| 160     | 49.1  | 32.9  | 49.3  |

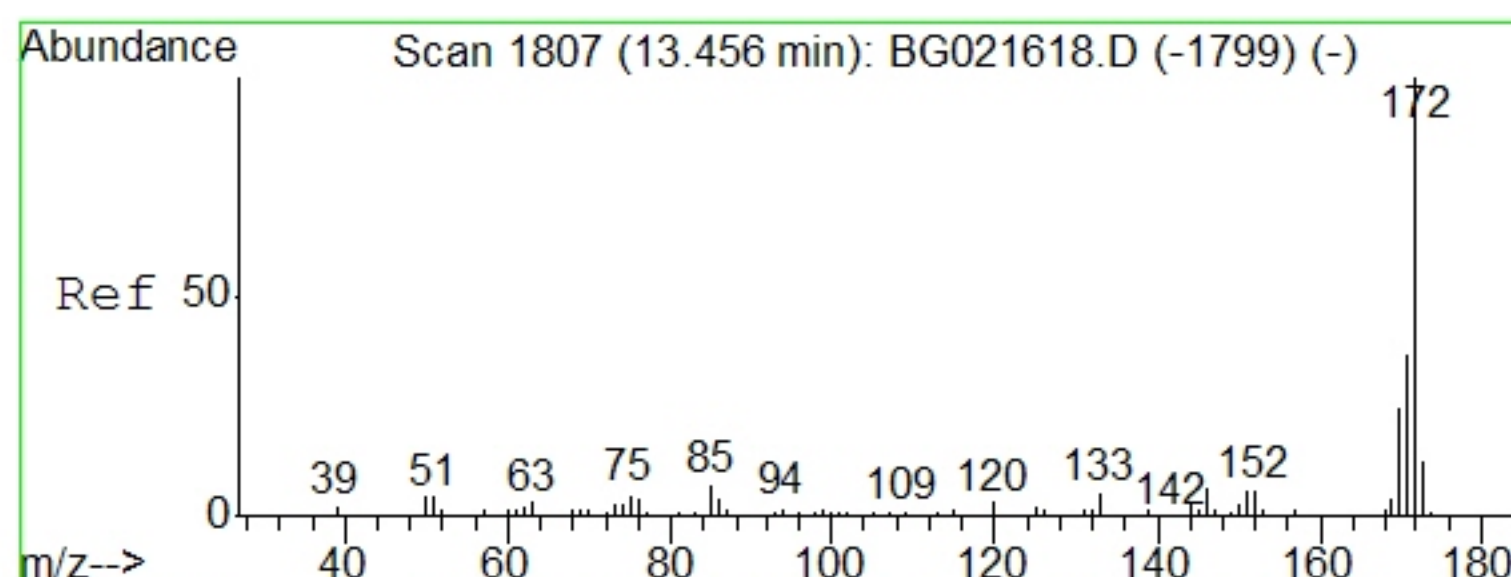
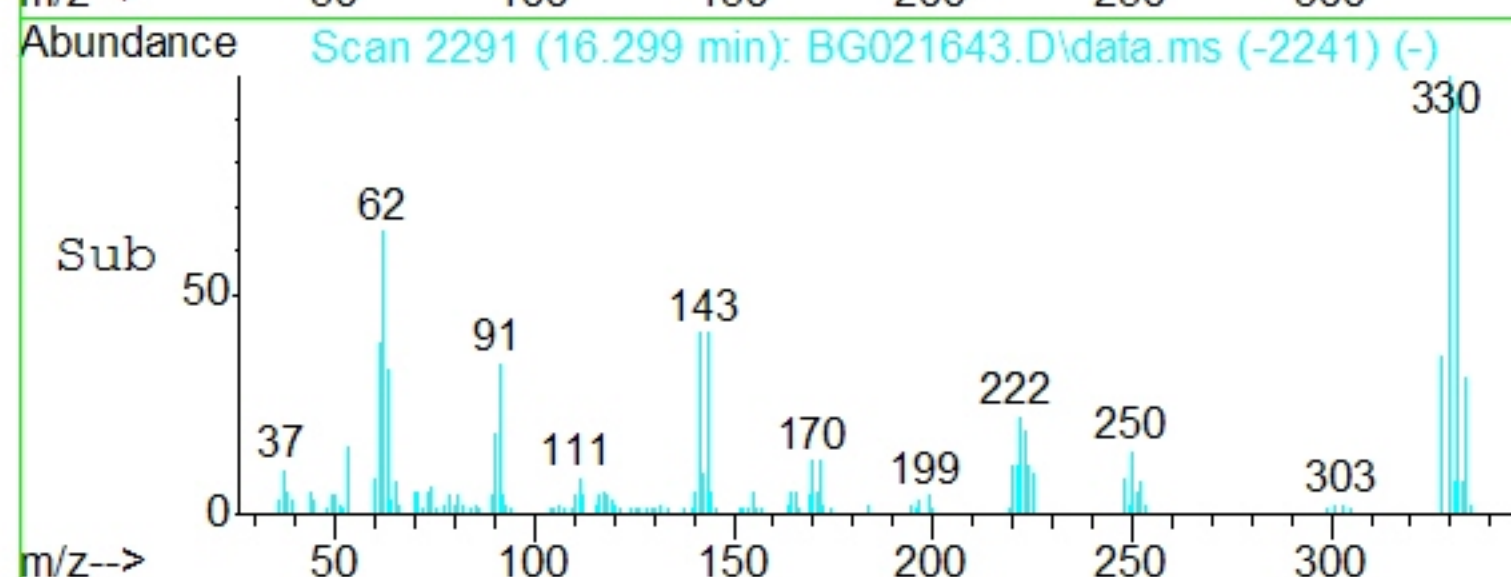
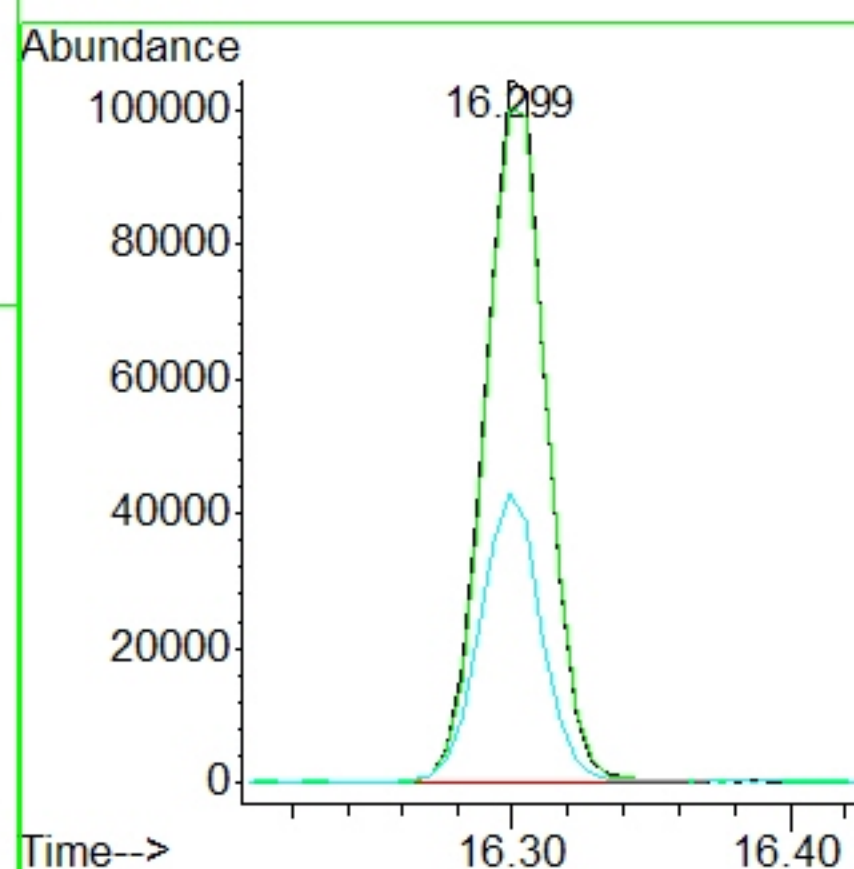
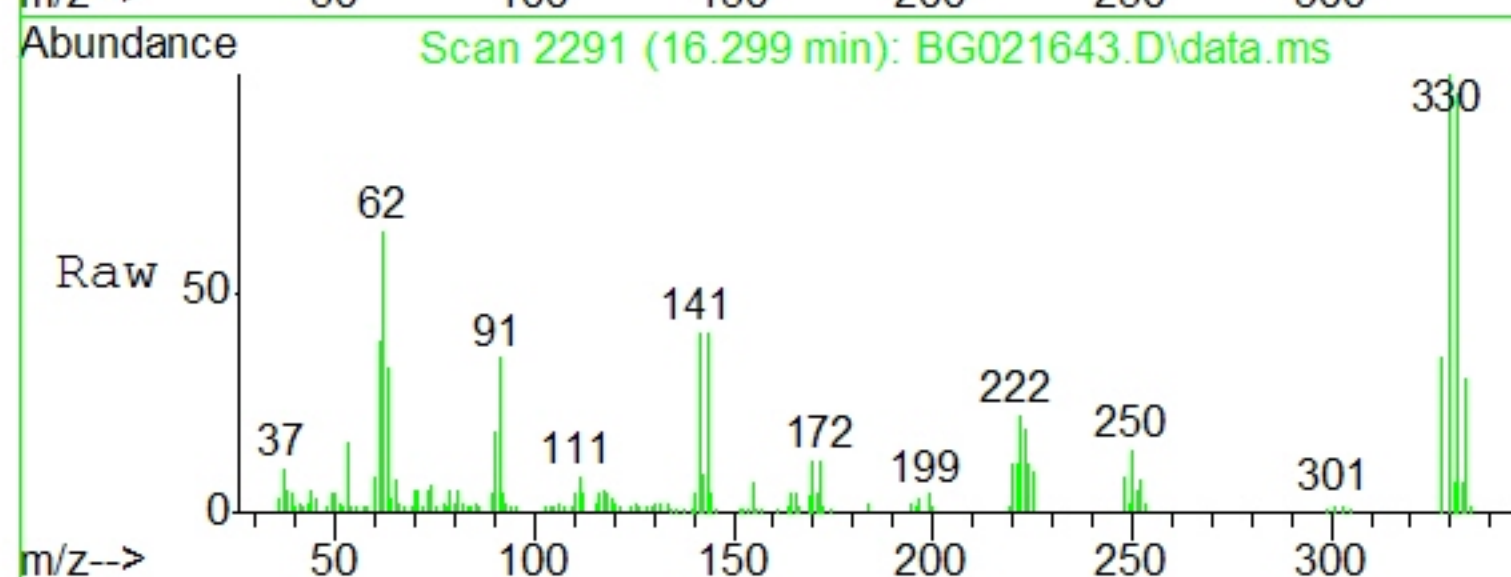






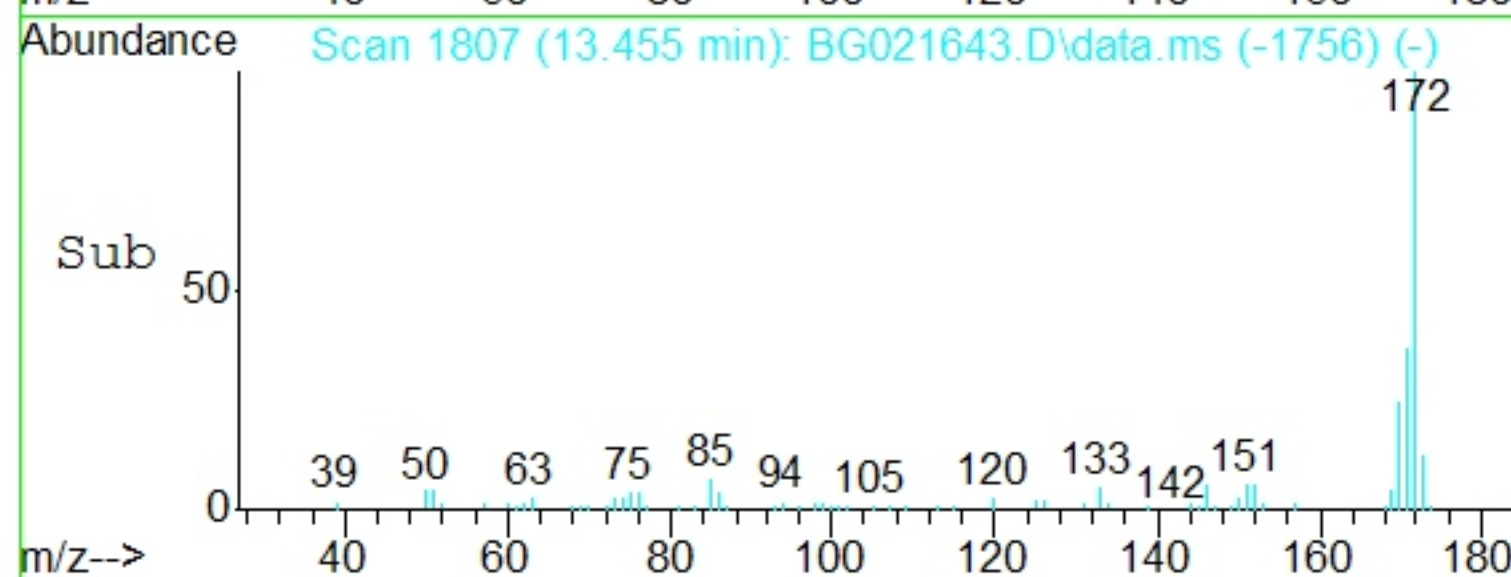
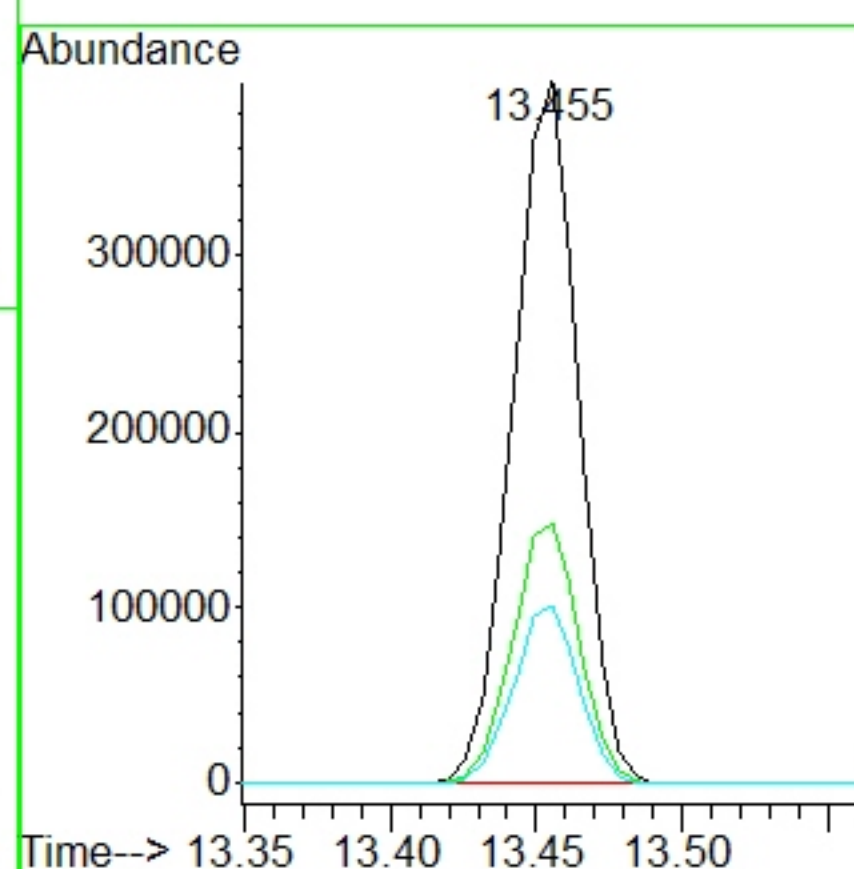
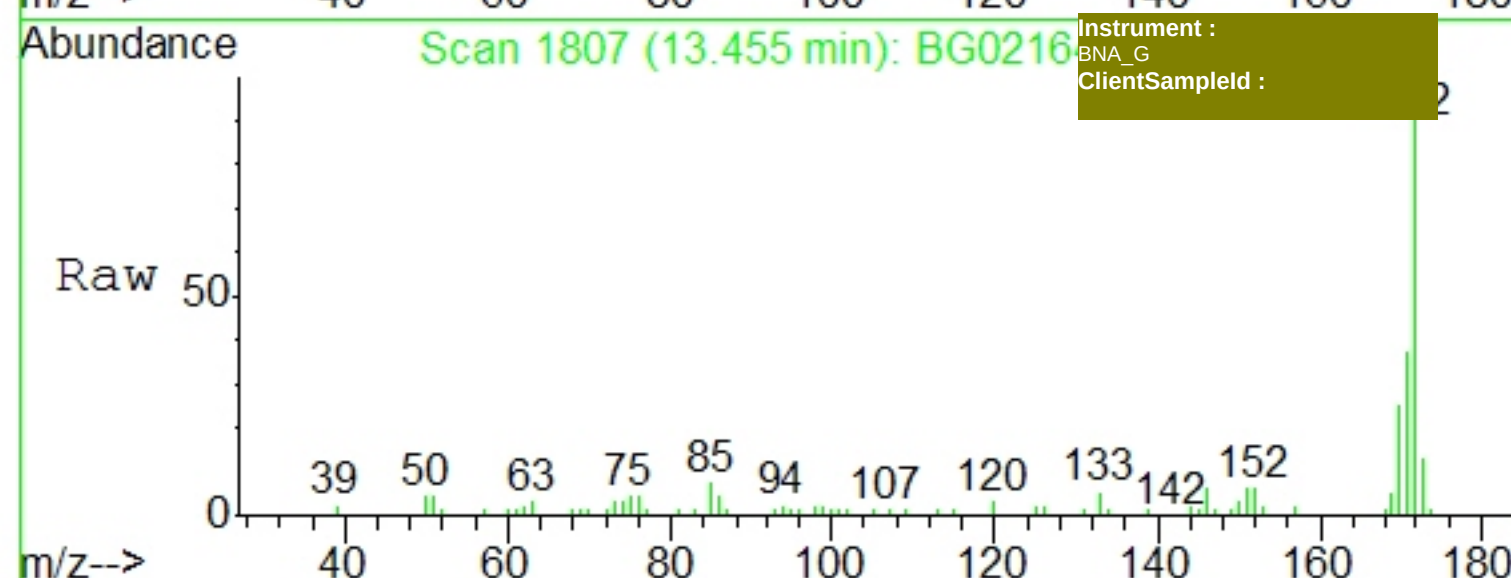
#41  
2,4,6-Tribromophenol  
Concen: 166.42 ng  
RT: 16.299 min Scan# 2291  
Delta R.T. -0.007 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 78.0  | 117.0 |
| 141     | 41.7  | 33.8  | 50.8  |

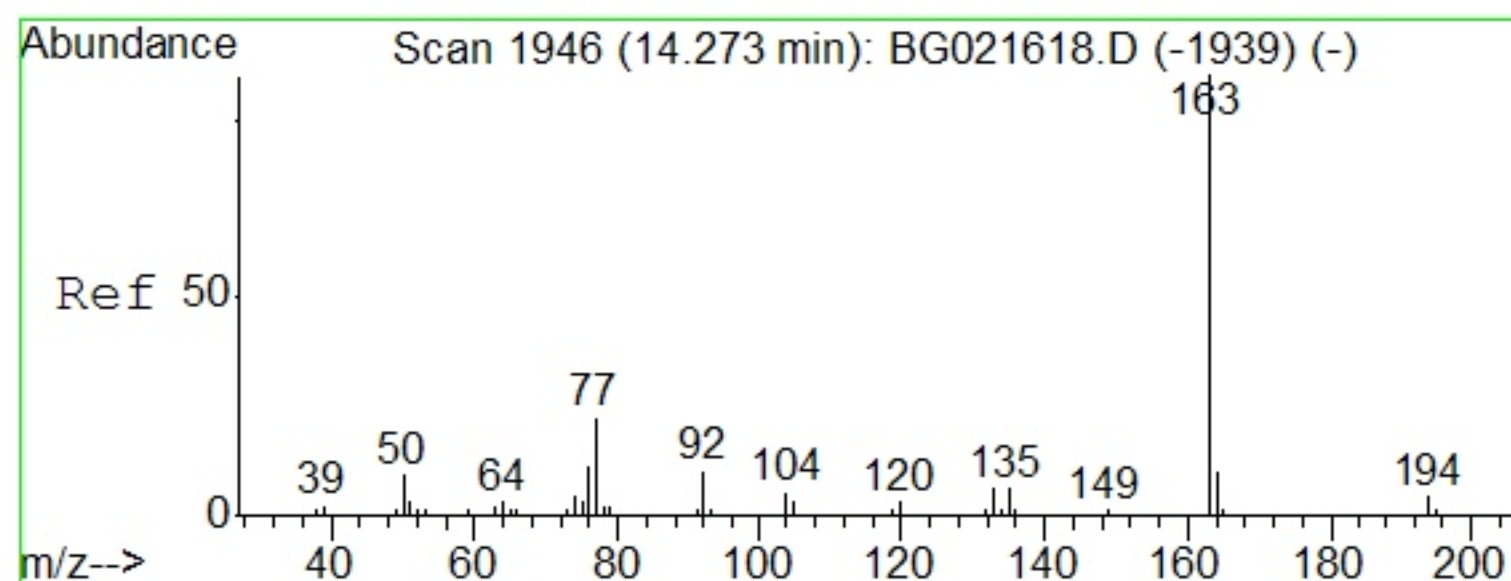


#44  
2-Fluorobiphenyl  
Concen: 101.74 ng  
RT: 13.455 min Scan# 1807  
Delta R.T. -0.001 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 27.8  | 41.6  |
| 170     | 25.5  | 19.6  | 29.4  |

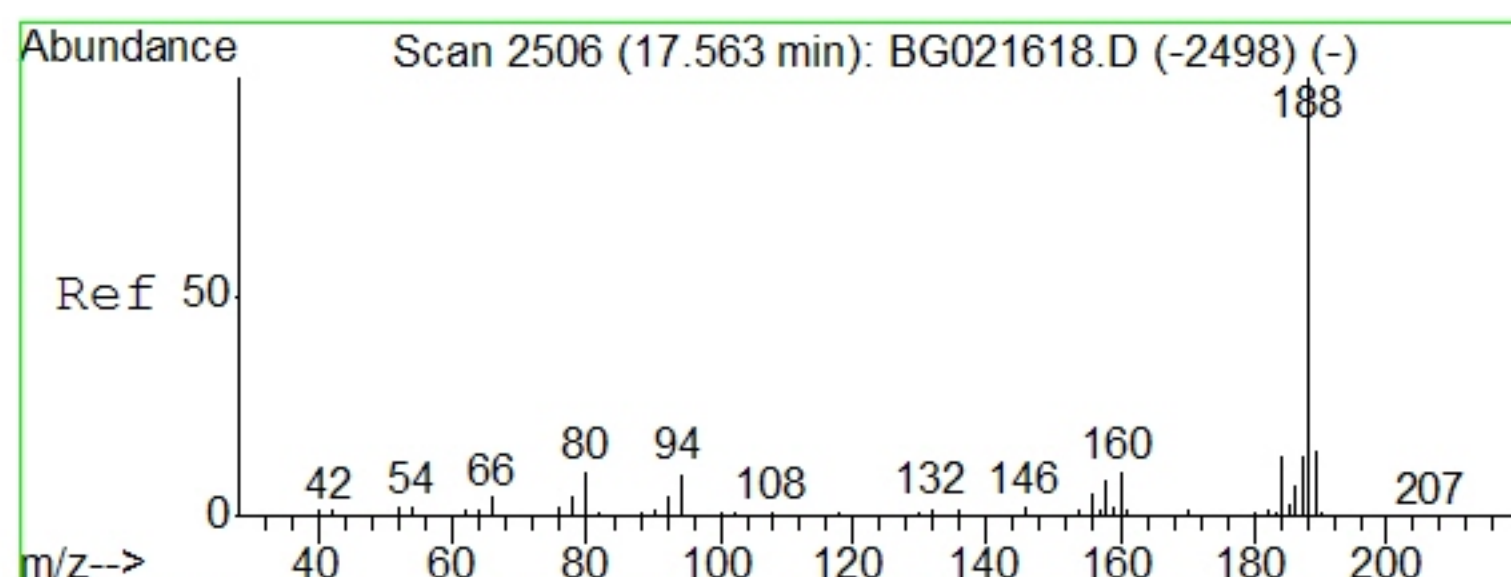
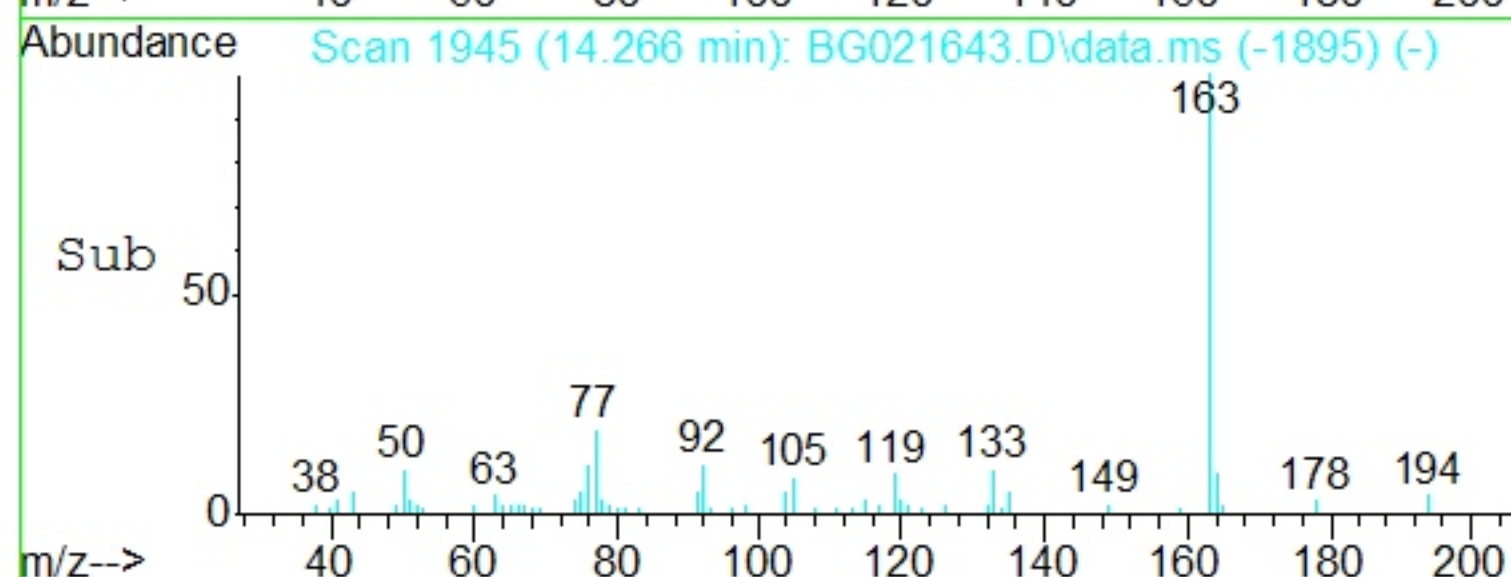
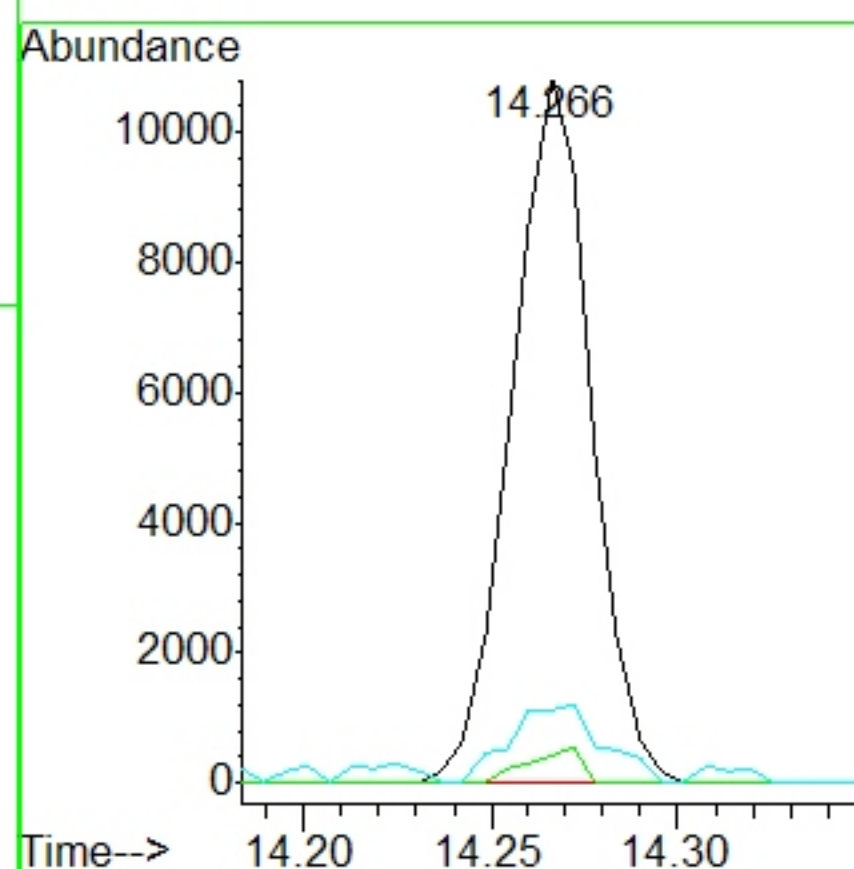
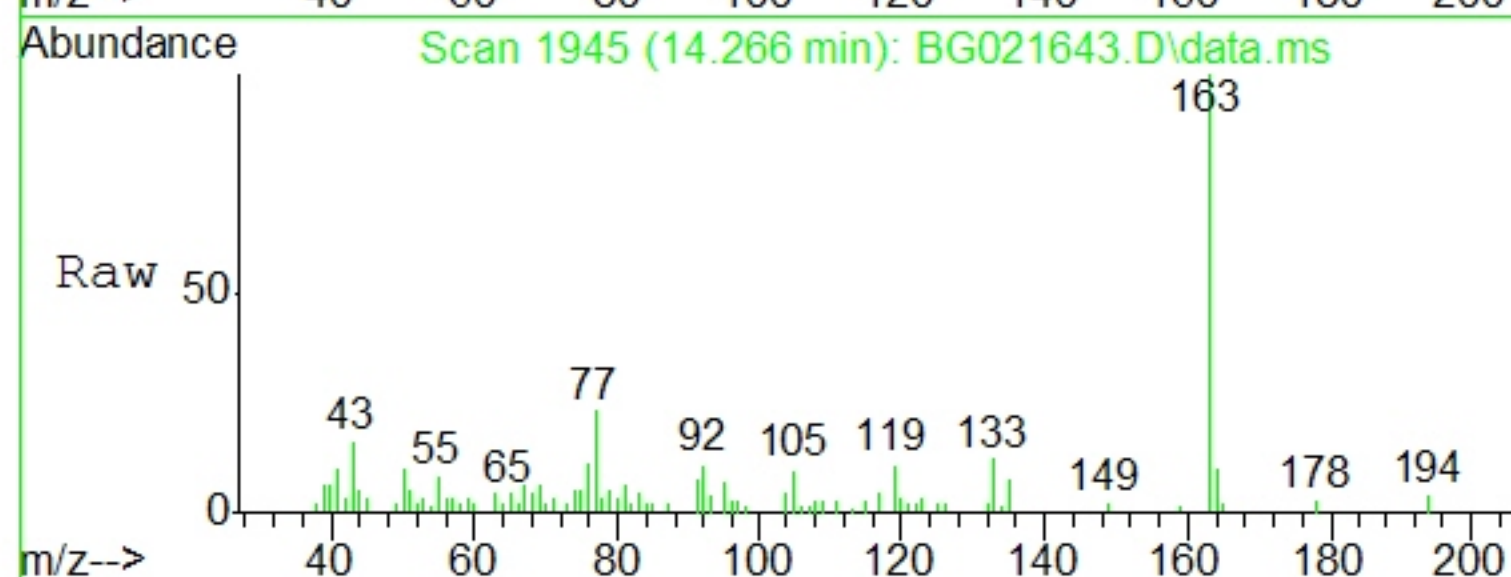






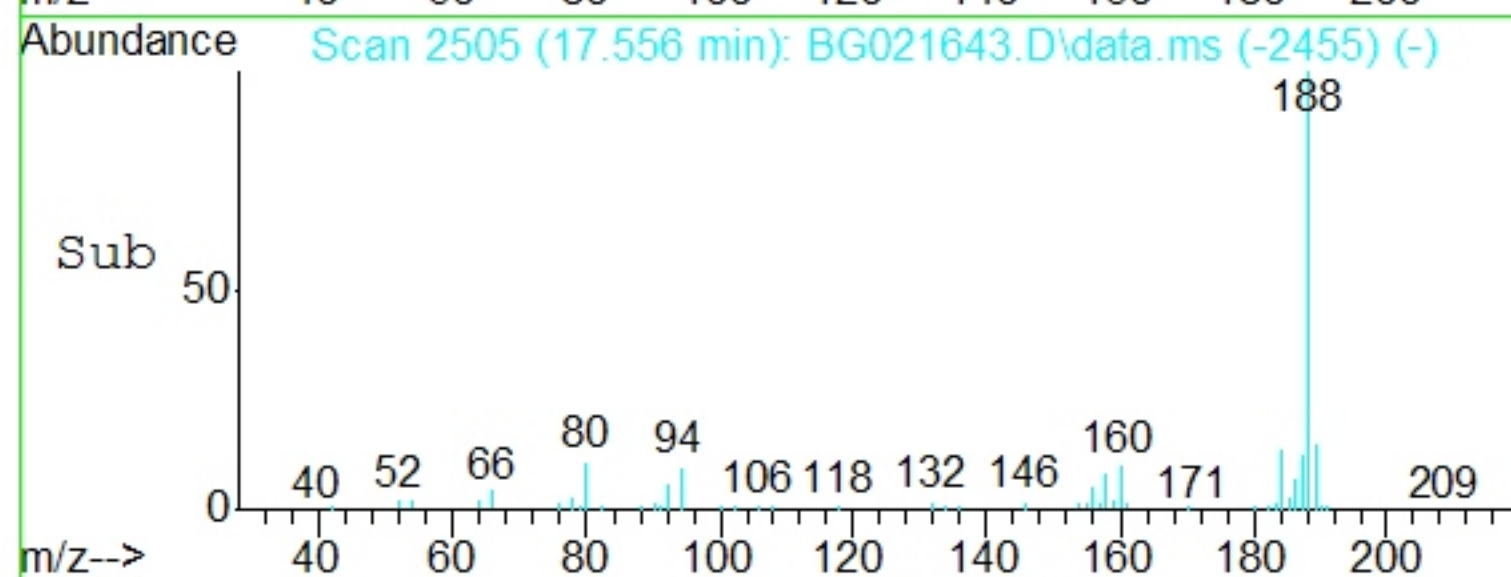
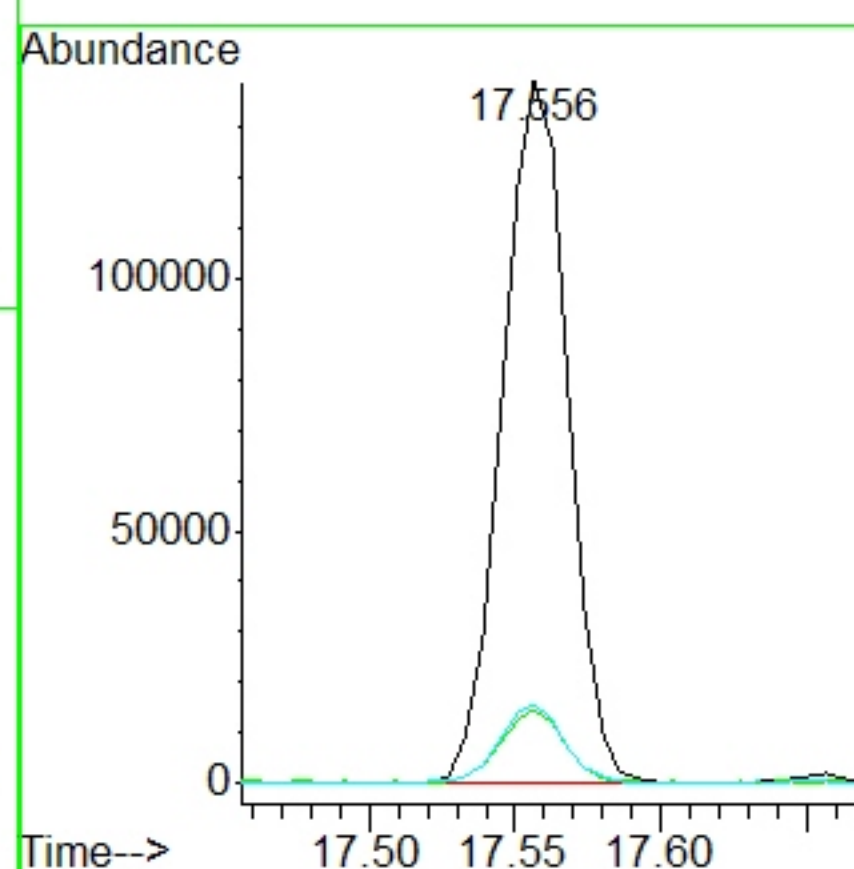
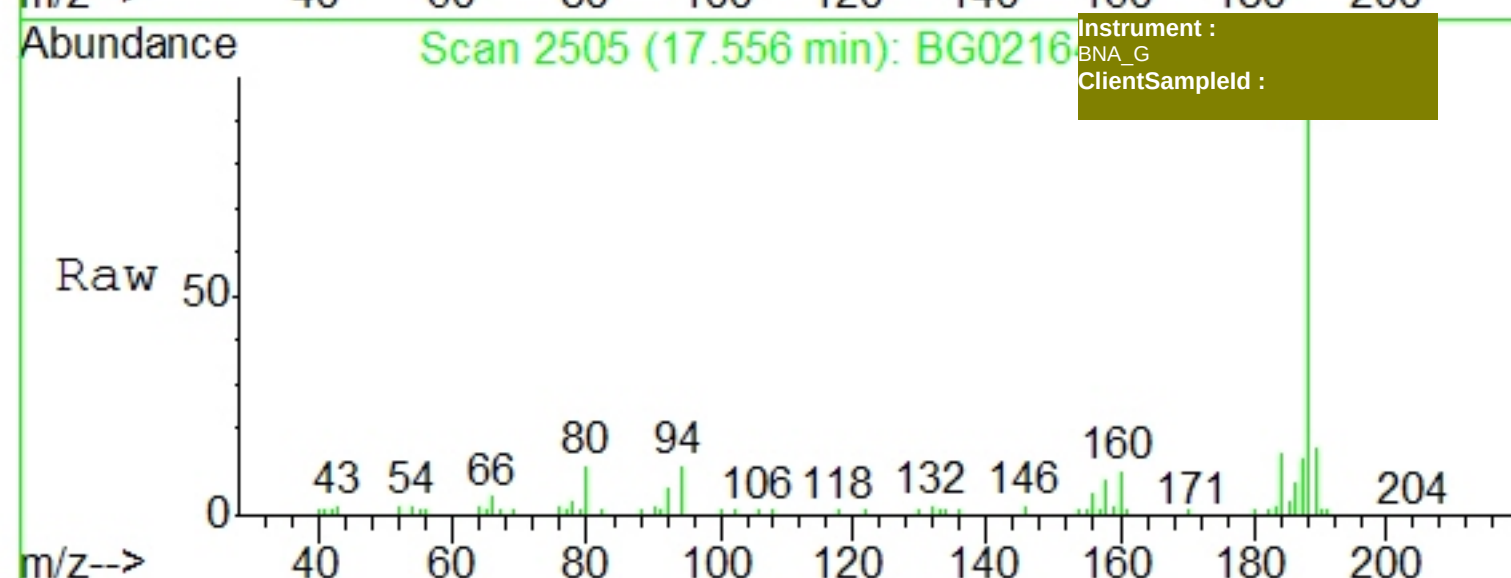
#49  
Dimethylphthalate  
Concen: 2.04 ng  
RT: 14.266 min Scan# 1945  
Delta R.T. -0.007 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 3.0   | 4.6   |
| 164     | 10.2  | 8.1   | 12.1  |

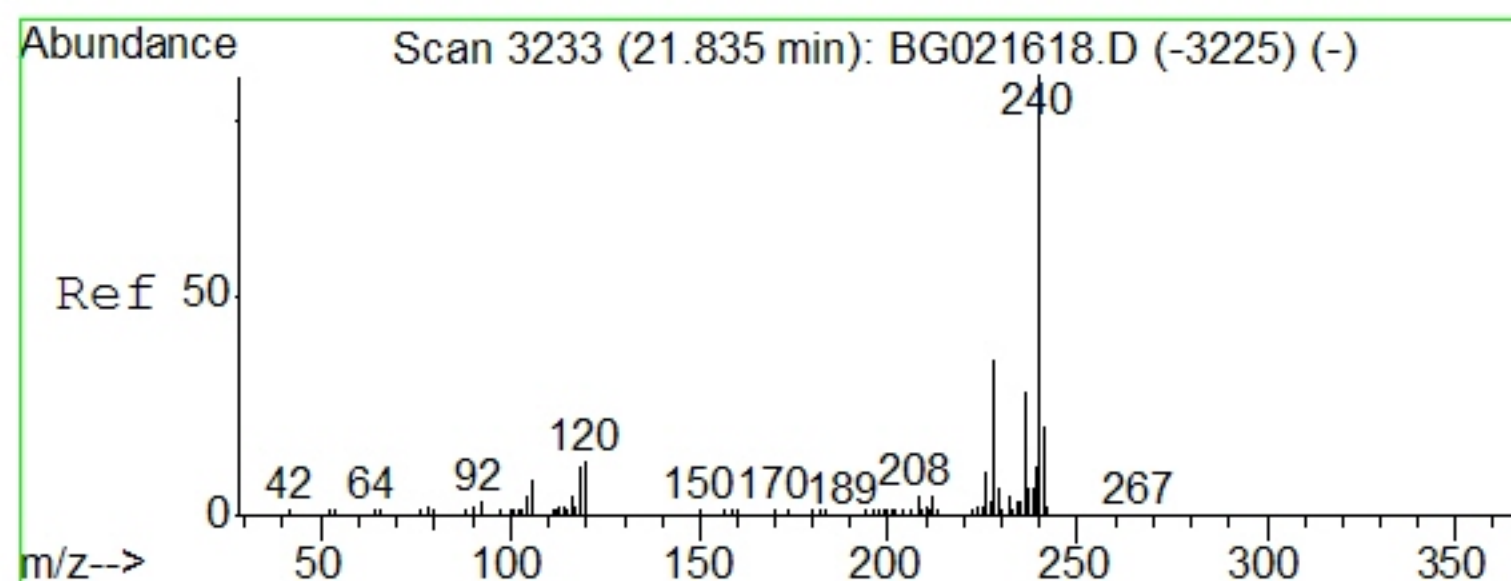


#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.556 min Scan# 2505  
Delta R.T. -0.007 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.6  | 7.5   | 11.3  |
| 80      | 11.5  | 8.6   | 13.0  |

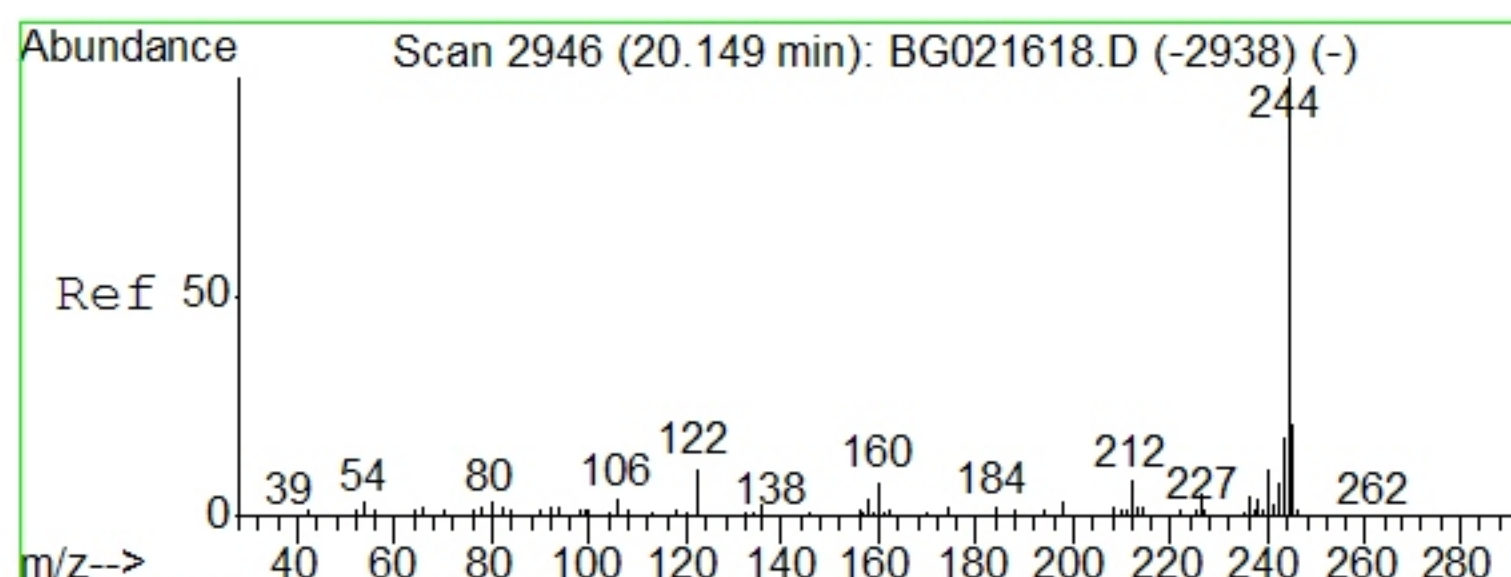
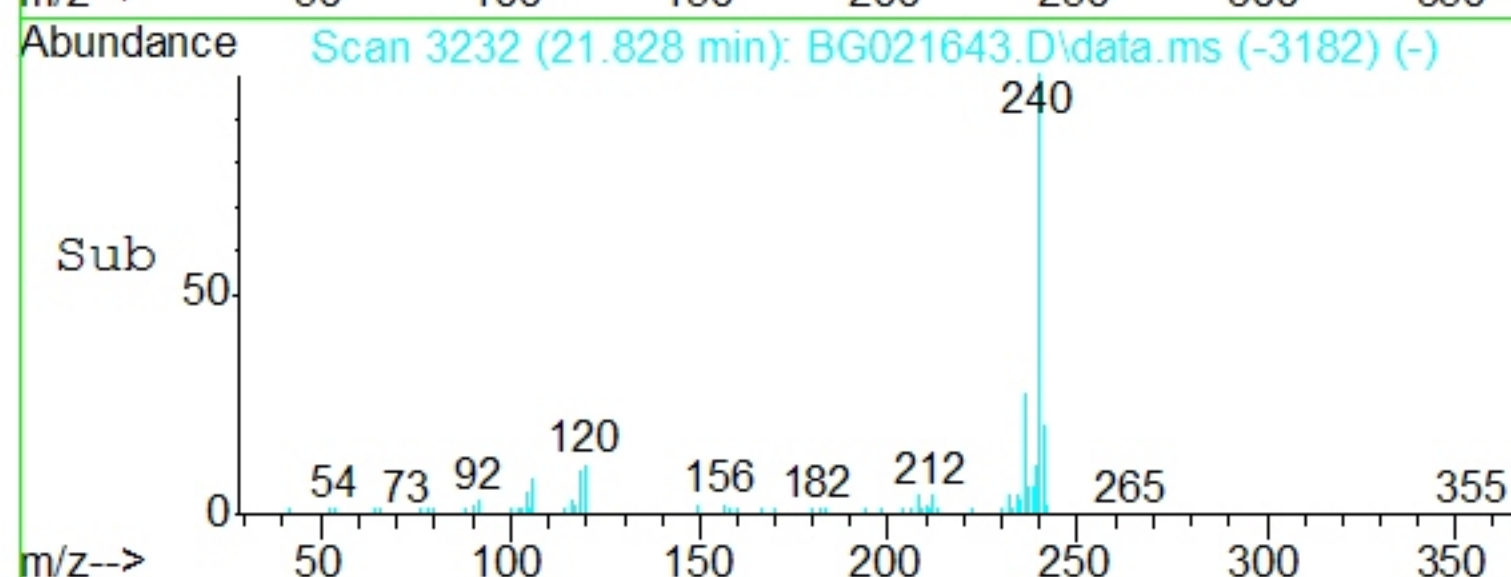
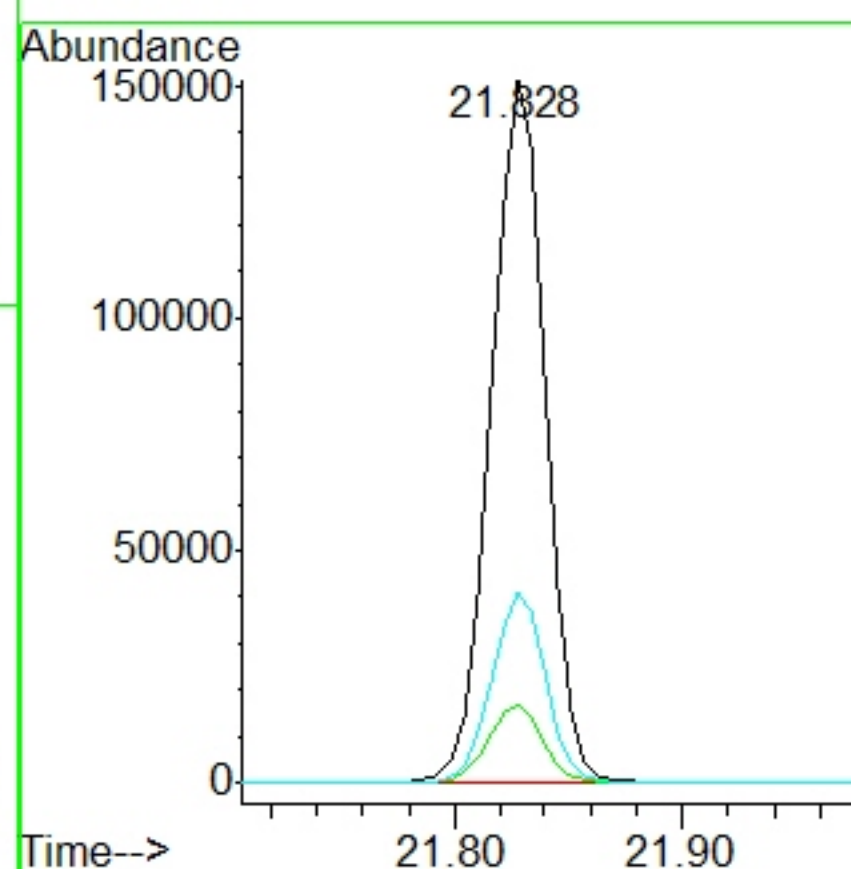
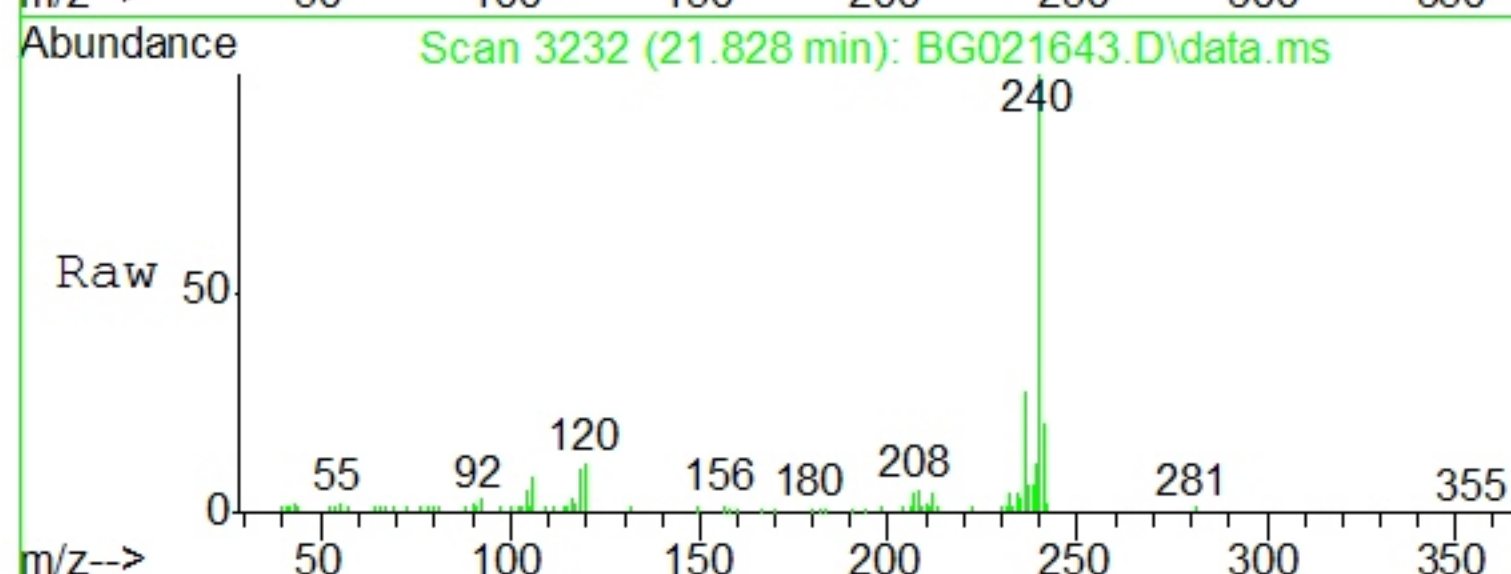






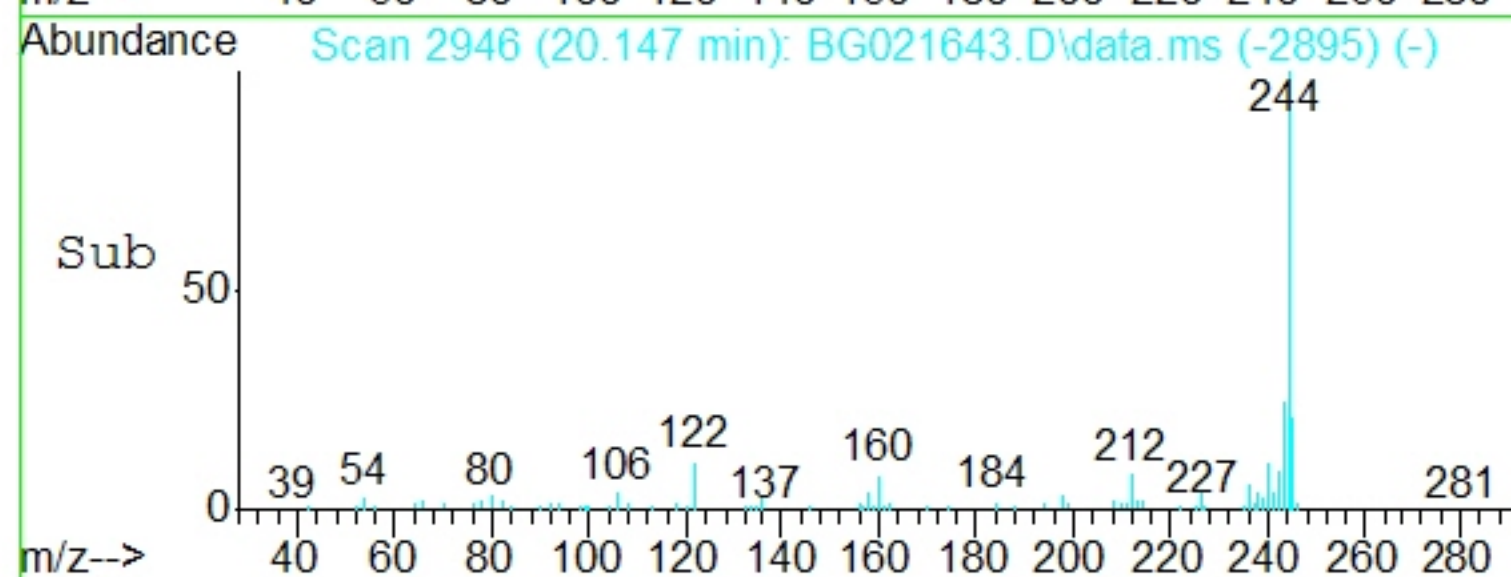
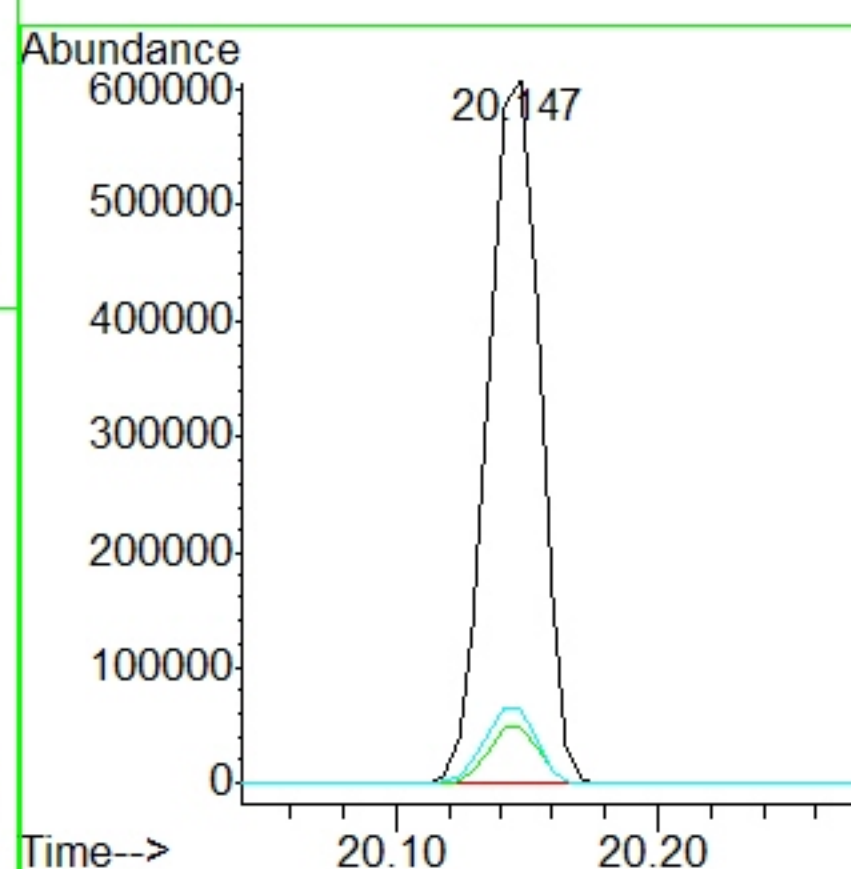
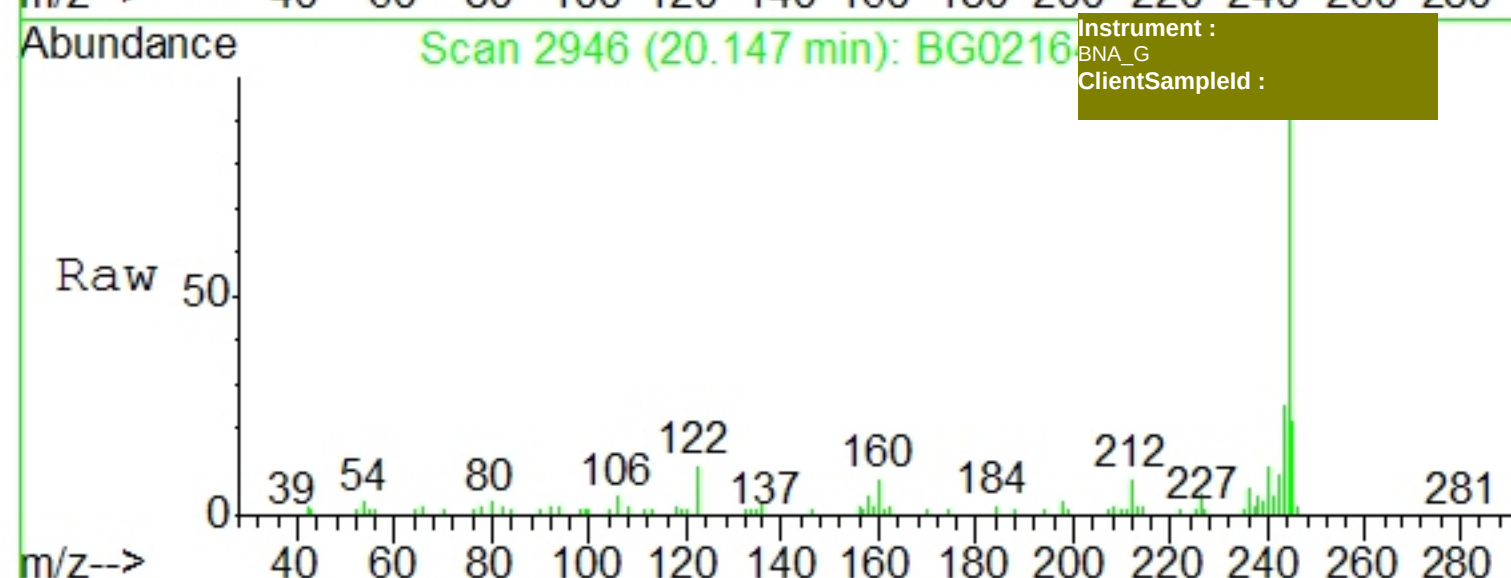
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.828 min Scan# 3232  
Delta R.T. -0.007 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 251961 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 10.9  | 8.4   | 12.6   |
| 236      | 26.7  | 19.6  | 29.4   |

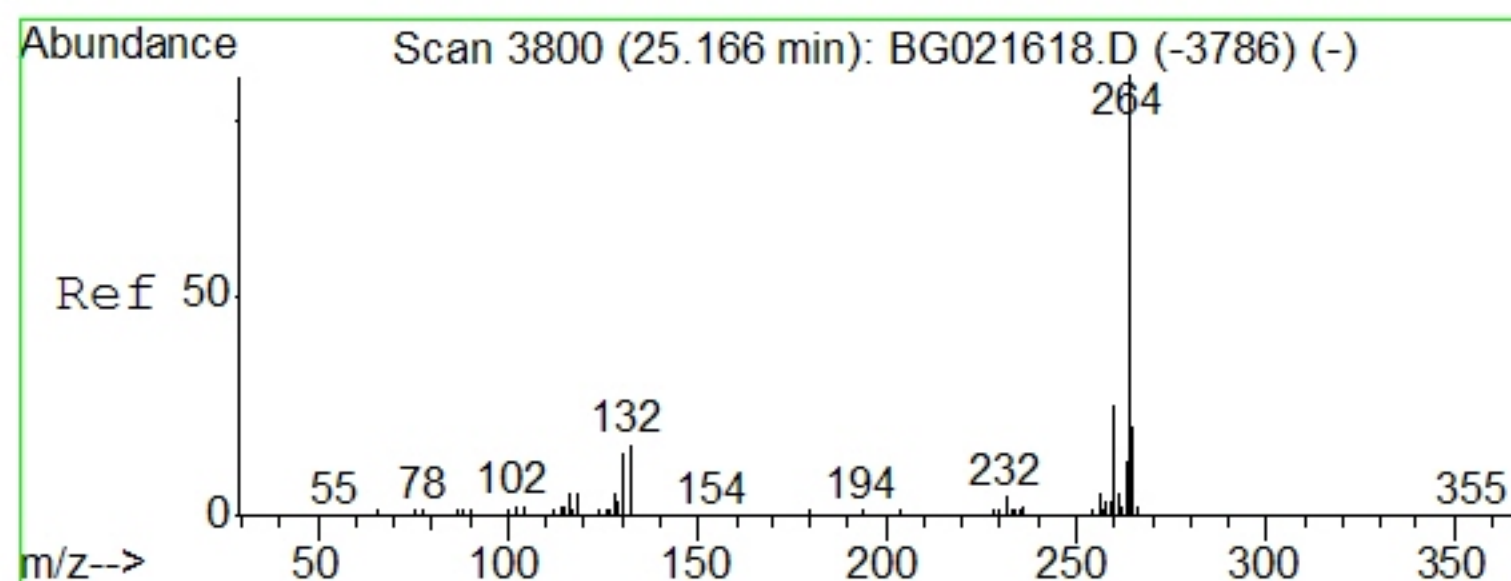


#78  
Terphenyl-d14  
Concen: 82.20 ng  
RT: 20.147 min Scan# 2946  
Delta R.T. -0.001 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 244   | Resp: | 830077 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 8.0   | 6.5   | 9.7    |
| 122      | 10.7  | 8.6   | 12.8   |

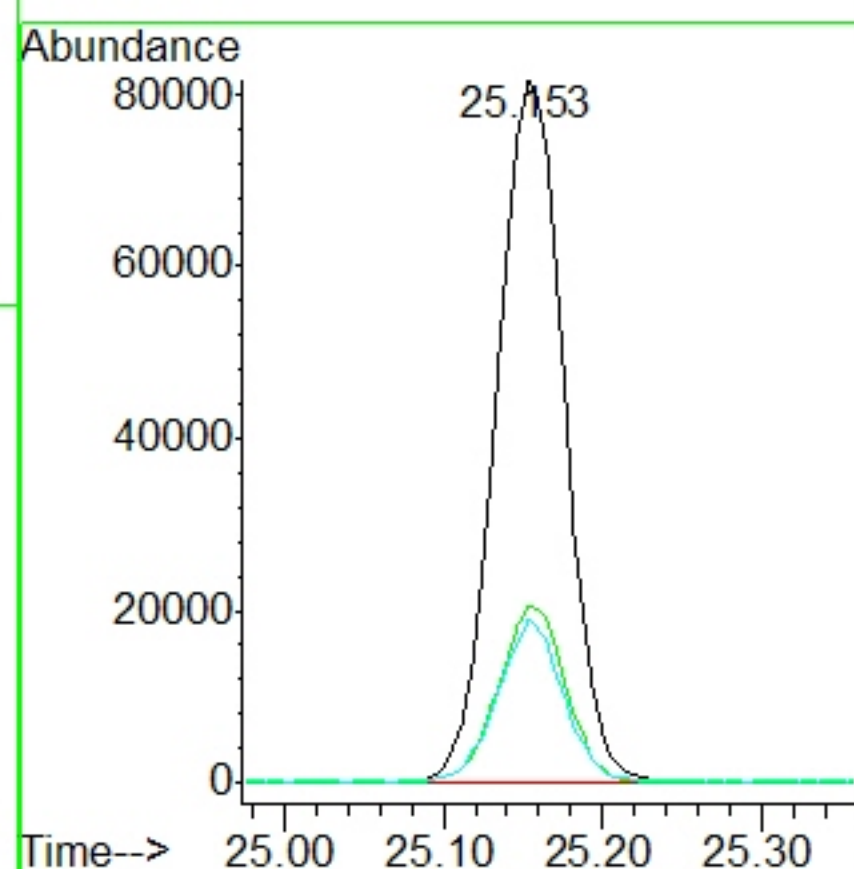
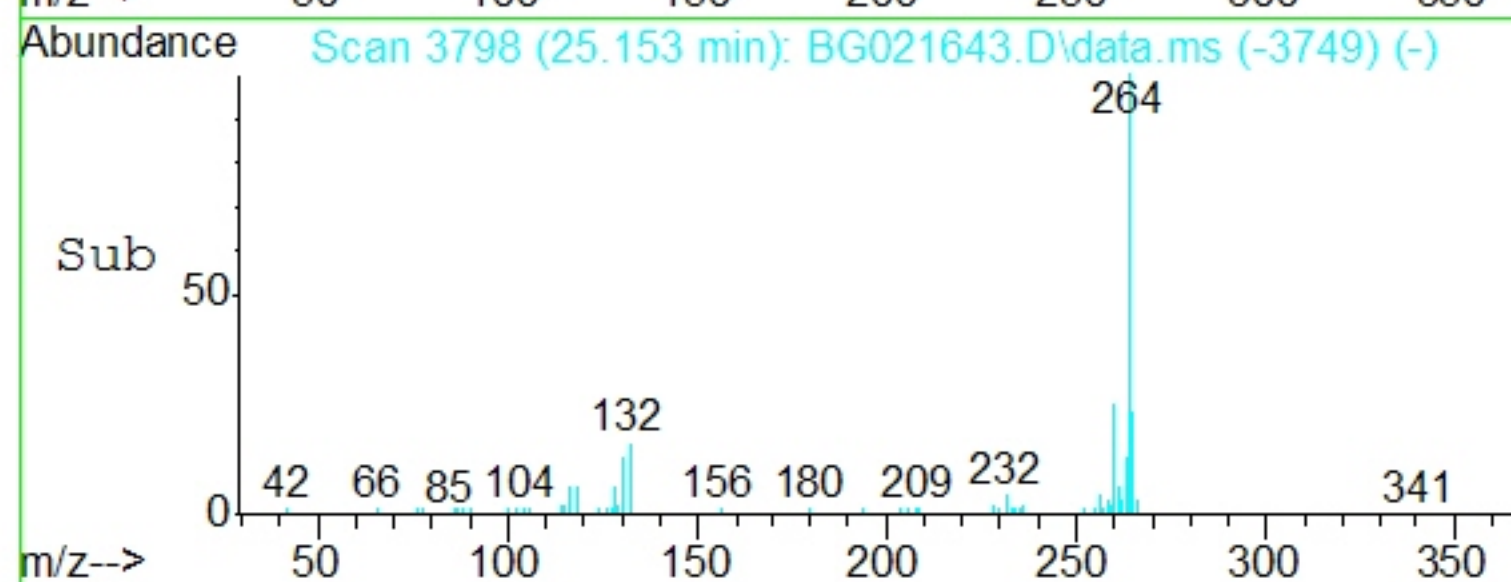
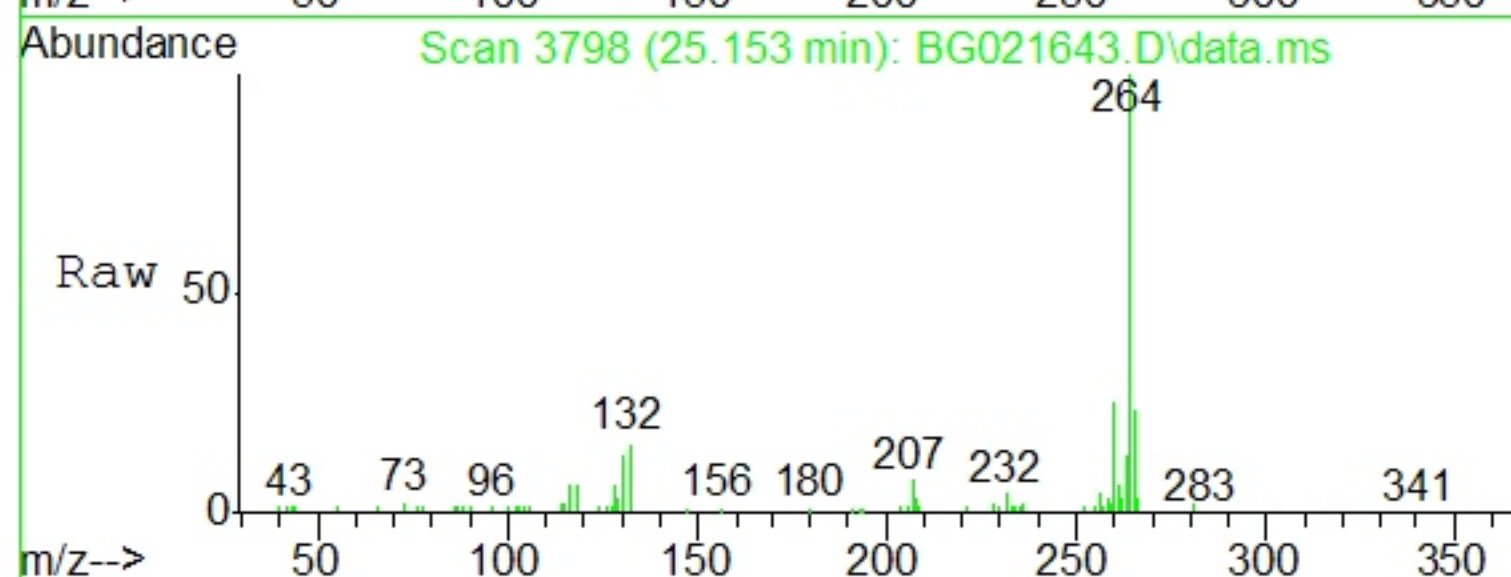






#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.153 min Scan# 3798  
Delta R.T. -0.013 min  
Lab File: BG021643.D  
Acq: 14 Apr 2016 6:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 243646 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.9  | 20.2  | 30.4   |
| 265      | 23.2  | 17.8  | 26.8   |



Instrument :  
BNA\_G  
ClientSampleId :