A

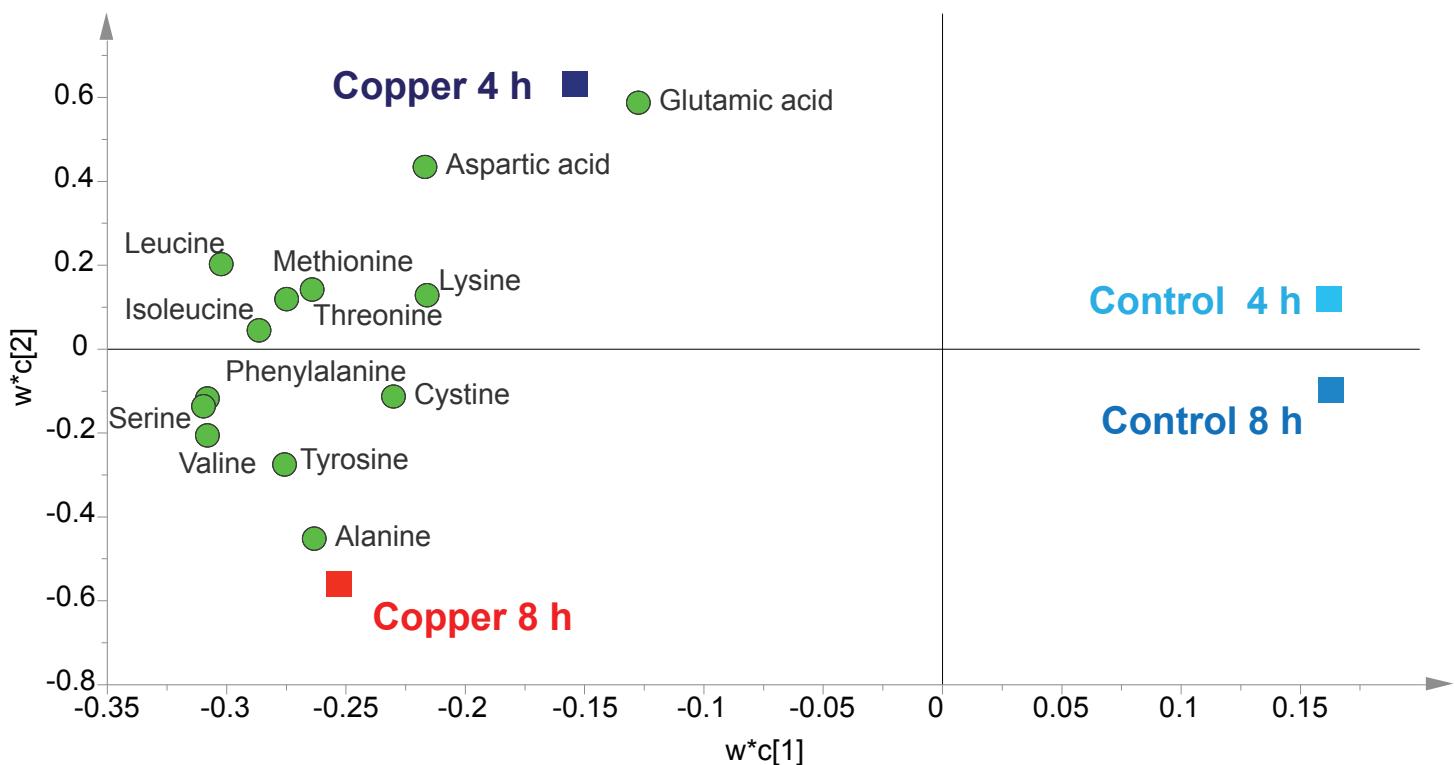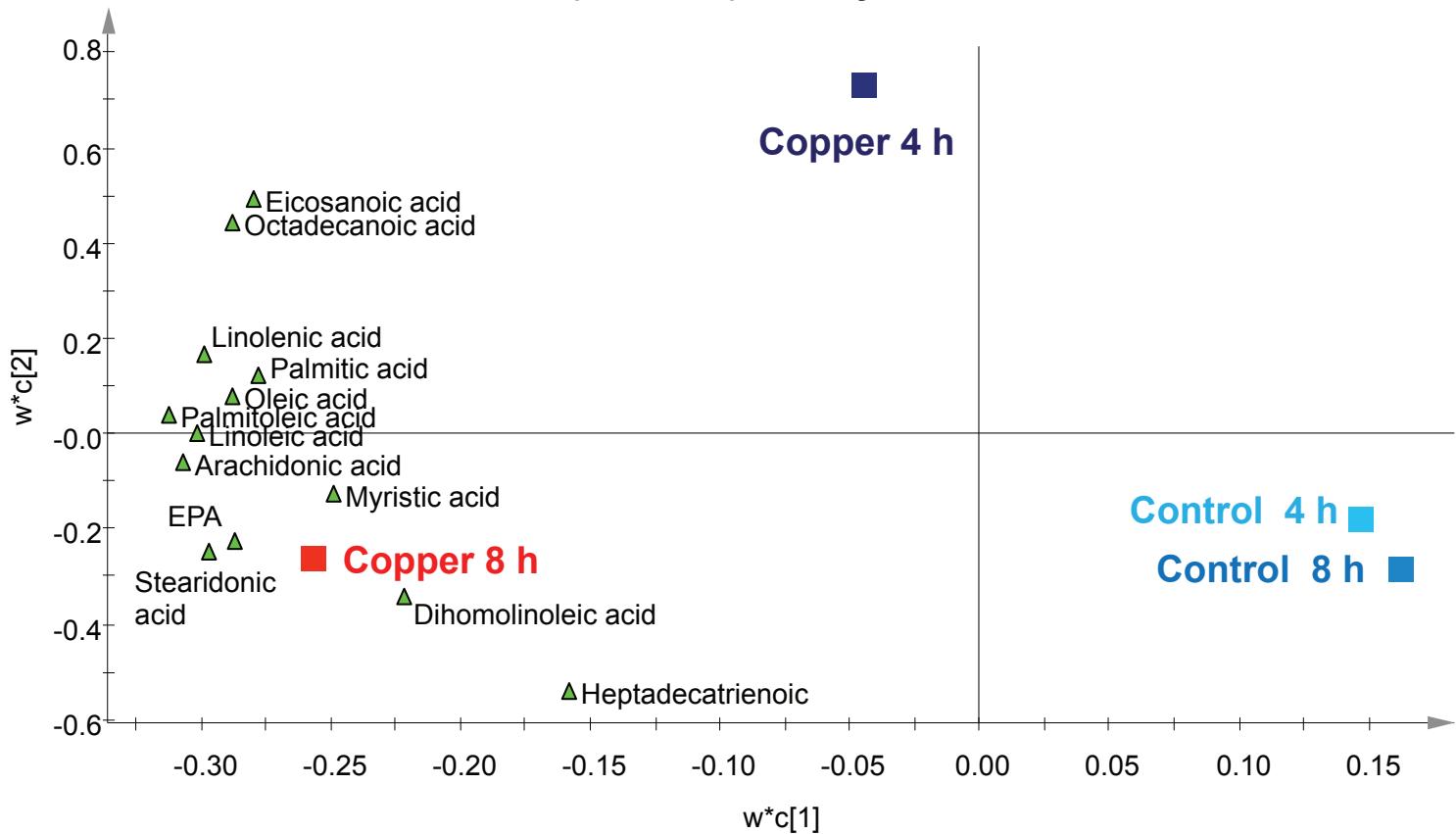## PLS-DA (SIMCA-P) on amino acids

B

PLS-DA (SIMCA-P) on fatty acids

Additional file 9. Results of PLS-DA representing the variations of (A) amino acid (GC-MS analysis) and (B) fatty acid contents (UPLC-MS analysis) between control and Cu treated samples.