## Supplementary Materials: New Potential Biomarker for Methasterone Misuse in Human Urine by Liquid Chromatography Quadrupole Time of Flight Mass Spectrometry





Figure S1. Cont.



**Figure S1.** The EIC and product ion scan chromatograms of G1 (**a**,**c**) and G2 (**b**,**d**) in LC-QTOF-MS negative mode.





**Figure S2.** The EIC (**a**) and product ion scan chromatogram (**b**) of G3 (RT: 9.4 min) in LC-QTOF-MS negative mode.



**Figure S3.** The EIC (**a**) and product ion scan chromatogram (**b**) of G4 in LC-QTOF-MS negative mode.



Figure S4. The EIC (a) and full scan chromatogram (b) of G5 in LC-QTOF-MS negative mode.



Figure S5. The EIC (a) and product ion chromatogram (b) of G6 in LC-QTOF-MS negative mode.



Figure S6. The EIC (a) and product ion chromatogram (b) of G7 in LC-QTOF-MS negative mode.







Figure S8. Cont.



Figure S8. The EIC (a) and product ion chromatogram (b) of S2 in LC-QTOF-MS negative mode.



Figure S9. Cont.



Figure S9. The Electron ionization mass spectra of TMS derivatives of M1(a), M2(b), M3(c), M5(d).