**Supplementary File 3**

The following method parameters pertain to Protocol Step 6.4:

In a typical setup, spectra may be acquired with the following method: polarity: positive; data dependent acquisition (DDA): top 10 ions (BSA samples) or 15 ions (heart samples); MS resolution: 60,000; mass range: 200-1650 m/z; precursor dynamic exclusion: 30s; maximum ion injection time: 20 ms; MS automatic gain control (AGC) target: 3e6; isolation window: 2.0 m/z; stepped normalized collision energy (NCE): 25, 27, 29; MS2 resolution; 60,000; MS2 maximum ion injection time: 110 ms; MS2 AGC target: 2e5. Customize this step based on the instrumentation platform