

Supplementary Materials

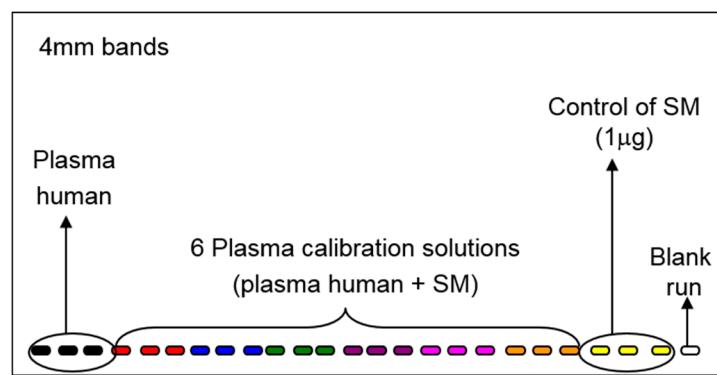


Figure S1. A scheme of the application of plasma sample and calibration solutions on a silica gel HPTLC plate for SM determination.

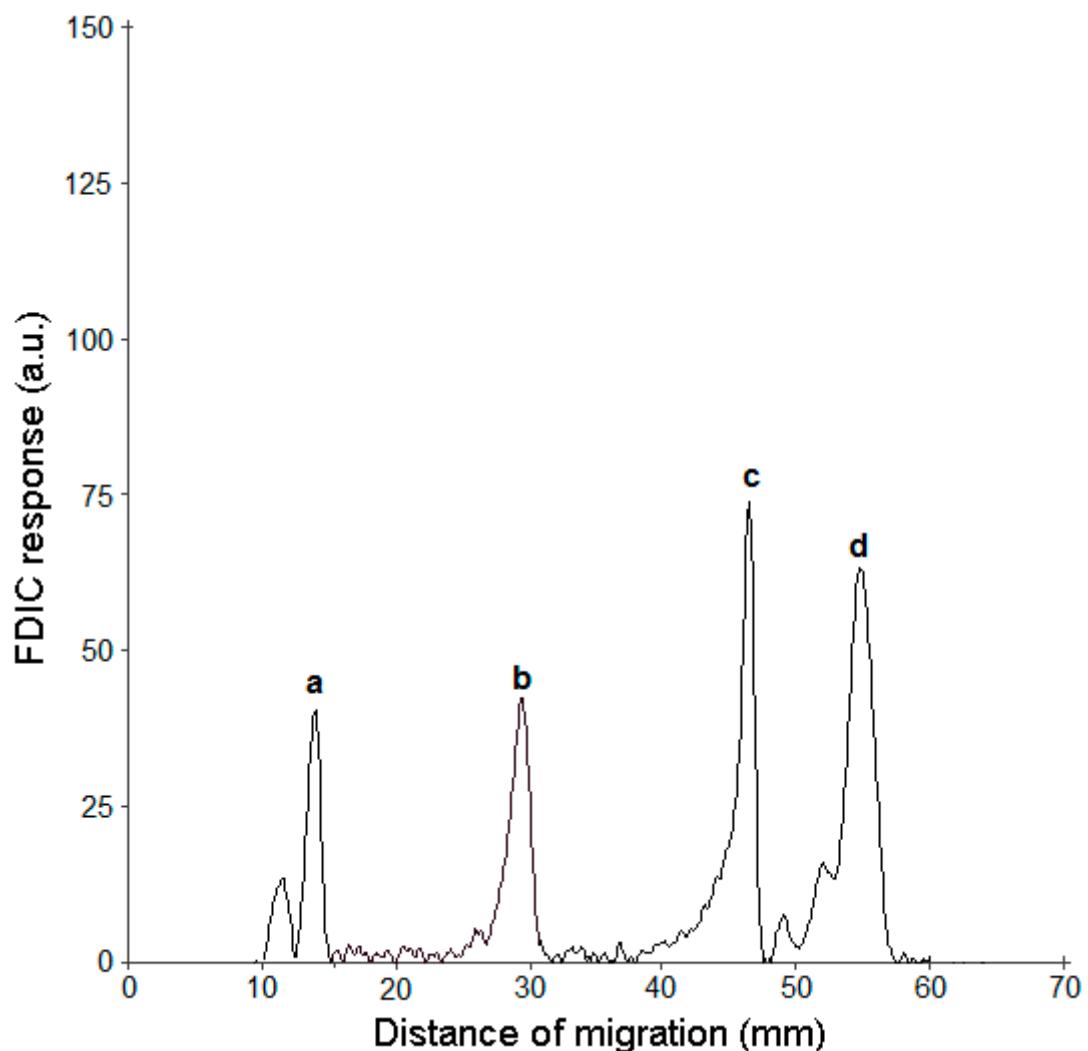


Figure S2. HPTLC-UV (190nm) chromatograms of standards, SM, 0.5 μ g, m.d. 14.1 mm (**a**), Gb3, 1 μ g, m.d. 29.6 mm (**b**), LacCer, 1 μ g, m.d. 45.3 mm (**c**), and GluCer, 1 μ g, m.d. 54.2 mm (**d**).

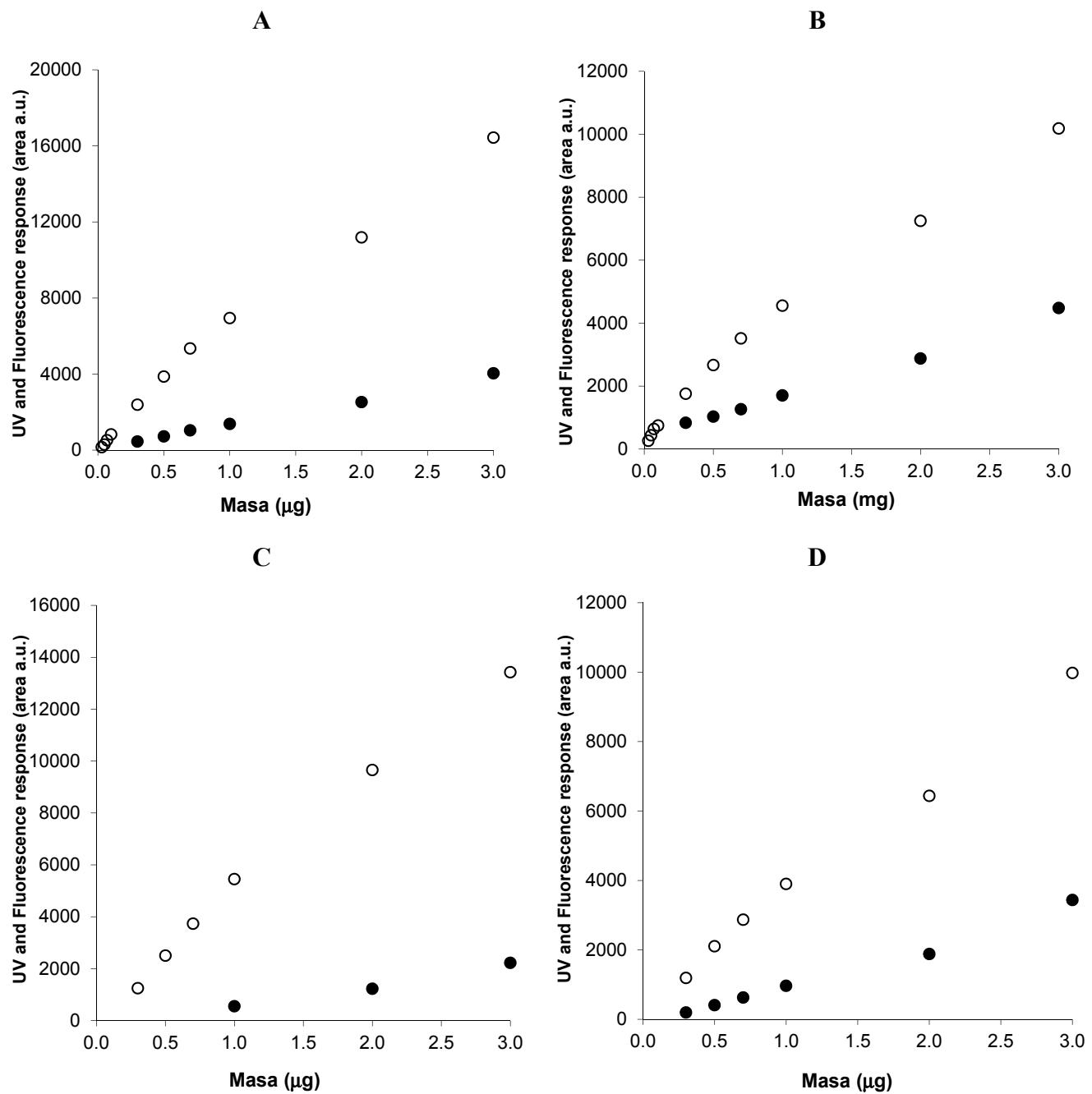


Figure S3. A comparison of the UV and FDIC responses of SLs.

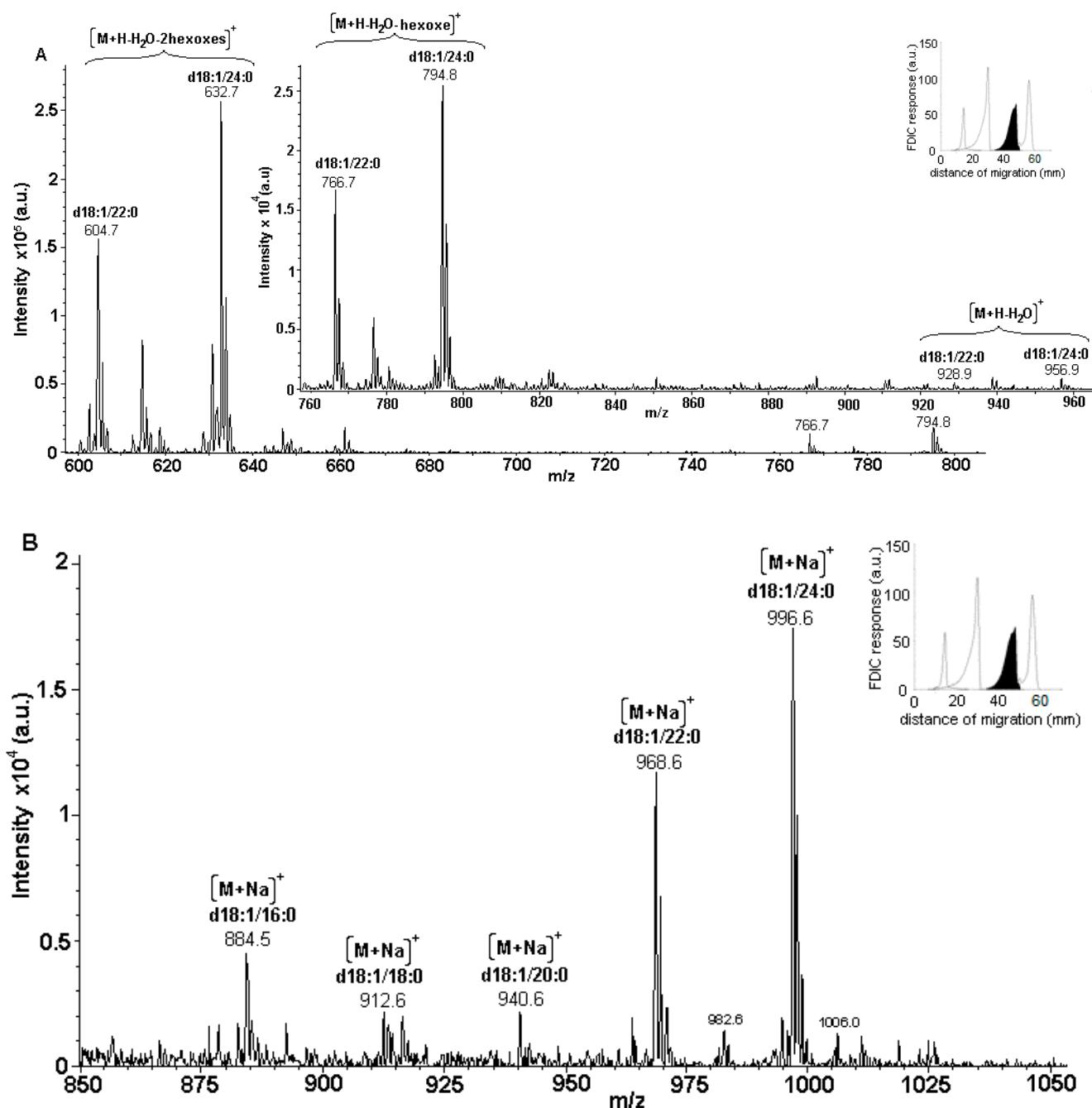


Figure S4. ESI and APCI mass spectra of LacCer standard.

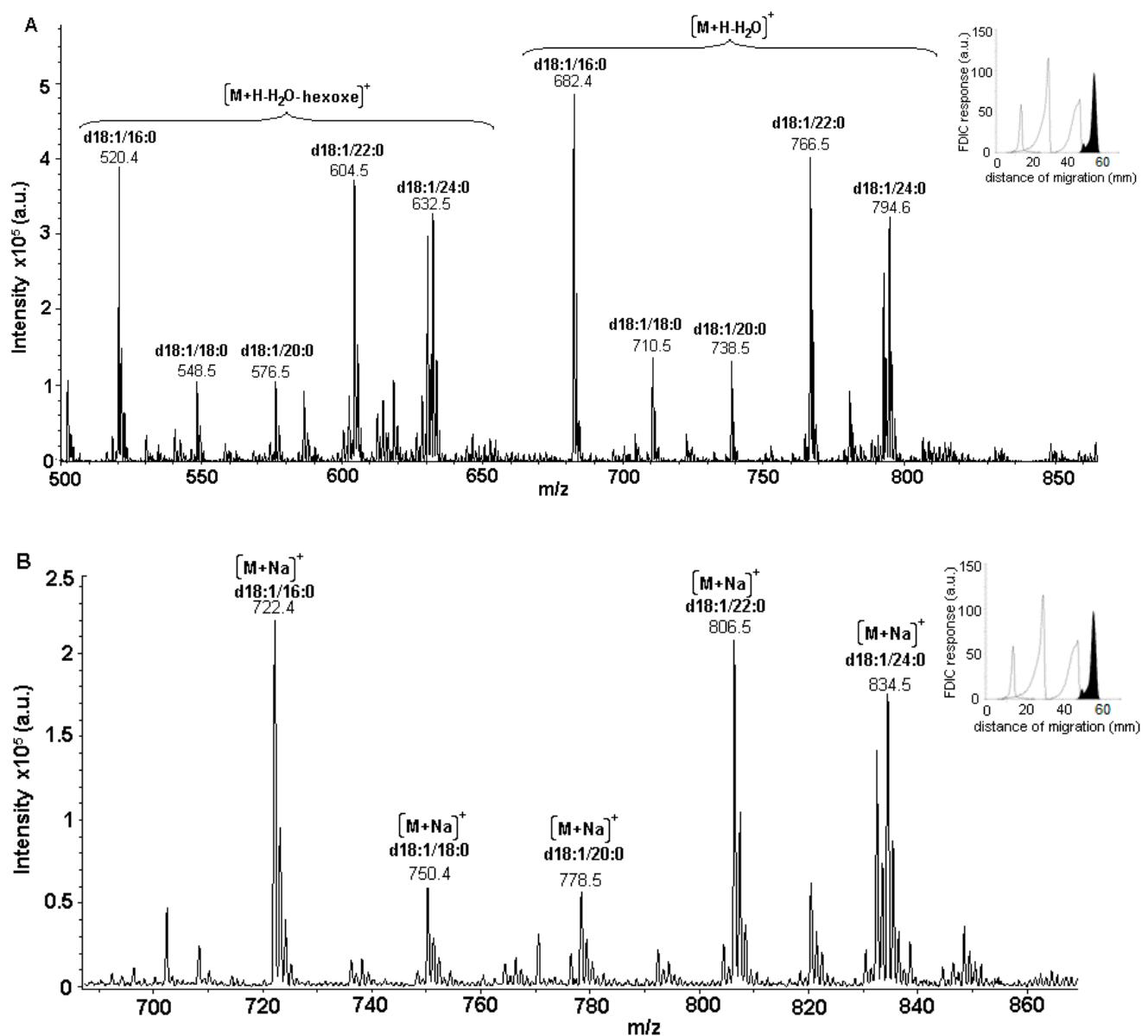


Figure S5. ESI and APCI mass spectra of GluCer standard.