

Supporting Information for the Paper Entitled:

“Coordination and Structural Properties of Encumbering 6-Mesityl-2-Picolinate Complexes”

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S1. High Resolution Mass-Spectral Data S-2

S1. High Resolution Mass-Spectral Data. High resolution mass spectrometry (HRMS) was performed by the UCSD mass spectrometry facility, using an Agilent 6230 ESI-TOFMS instrument in positive or negative ion mode as necessary. Mass spectral data for ^{Mes}picMe (**1**), Na[^{Mes}pic] (**2**), ^{Mes}picH (**3**) and [NBu₄][^{Mes}pic] (**4**) are presented in Figures S1-S4.

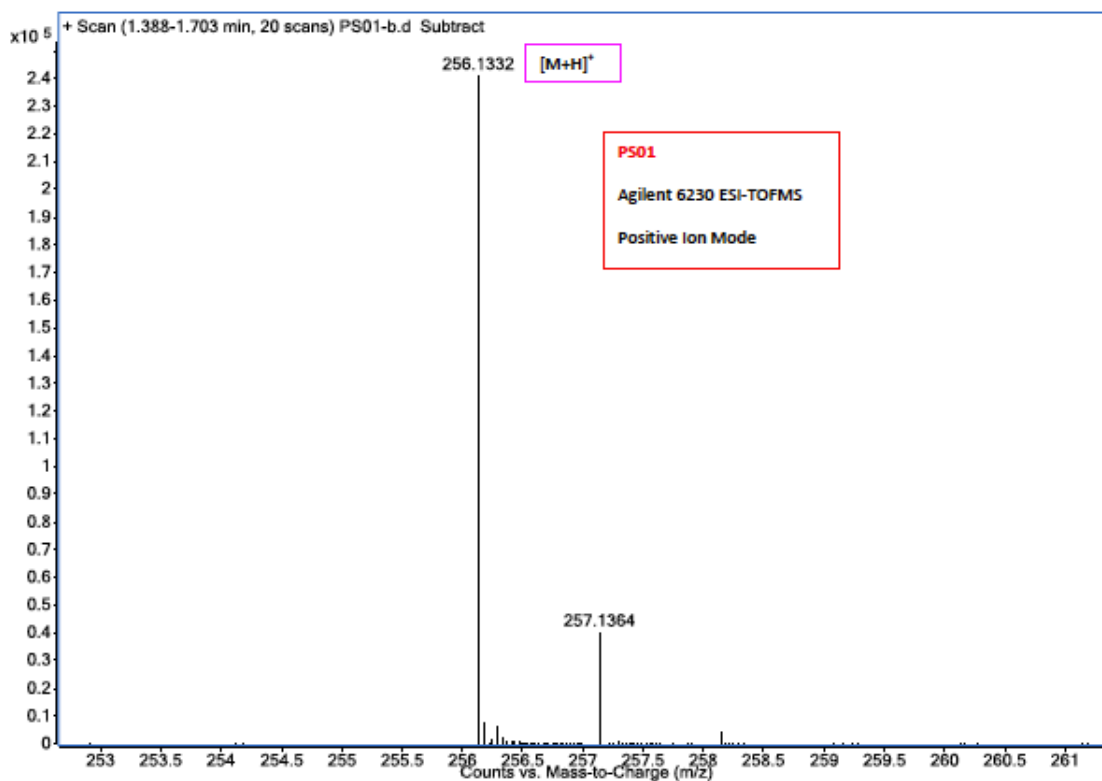


Figure S1. HRMS (ESI, positive ion mode) for ^{Mes}picMe (**1**). m/z calcd. for C₁₆H₁₇NO₂: 255.13; Found: 256.1332 [M + H]⁺.

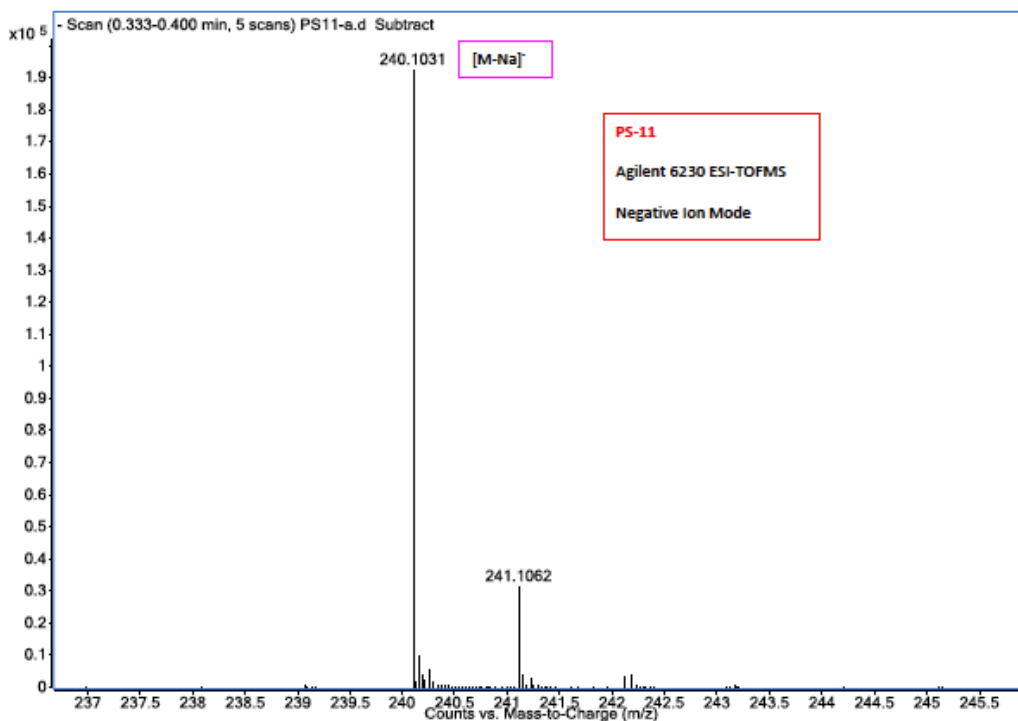


Figure S2. HRMS (ESI, negative ion mode) for Na[Mes-pic] (**2**). m/z calcd. for C₁₅H₁₄NO₂: 240.10; Found: 240.1031 [M]⁻.

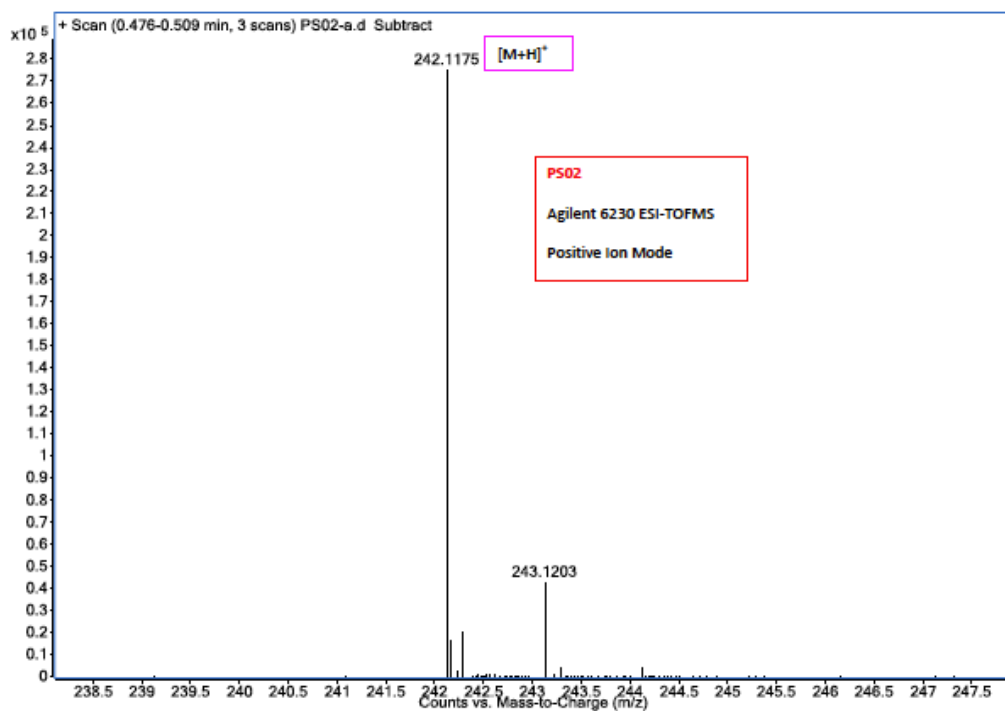


Figure S3. HRMS (ESI, positive ion mode) for Mes-picH (**3**). m/z calcd. for C₁₅H₁₄NO₂: 241.11; Found: 242.1175 [M + H]⁺.

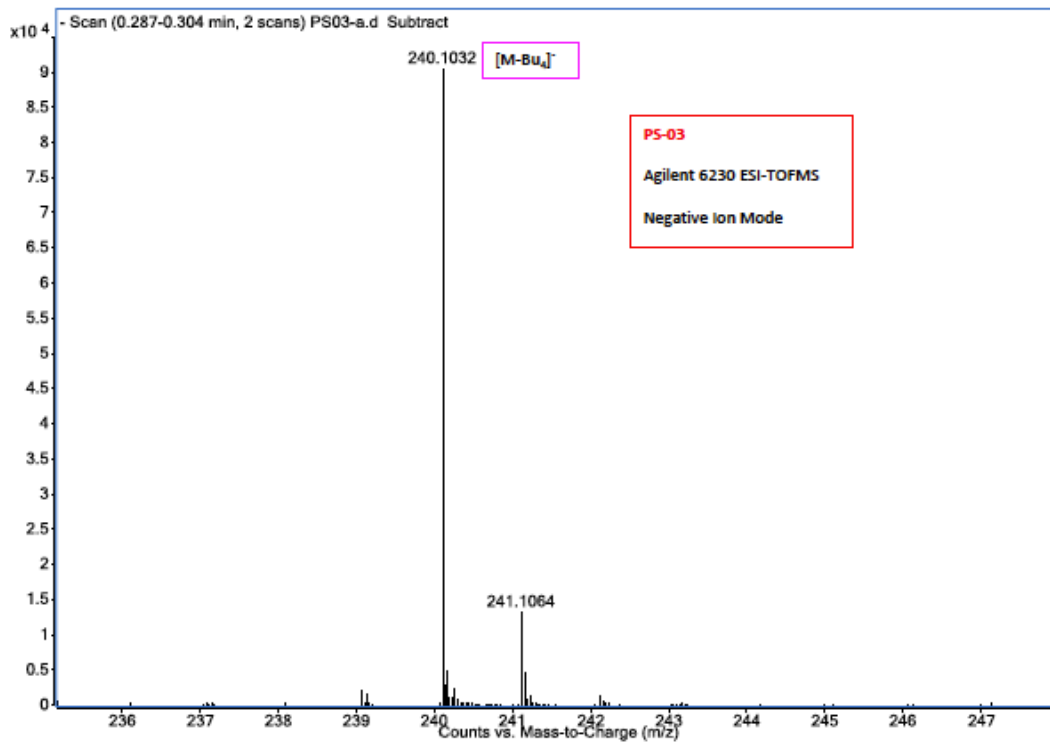


Figure S4. HRMS (ESI, negative ion mode) for $[NBu_4][^{Mes}pic]$ (**4**). m/z calcd. for $C_{15}H_{14}NO_2$: 240.10; Found: 240.1032 $[M]^-$.