

Supporting Information

Metal-Catalyzed Direct Heteroarylation of C-H (*meso*) bond in porphyrin: Synthesis and Photophysical Properties of Novel *Meso*-Heteroaromatic Appended Porphyrins

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Copies of NMR (¹H & ¹³C) and MALDI-TOF mass spectra of porphyrins 7a-Ir

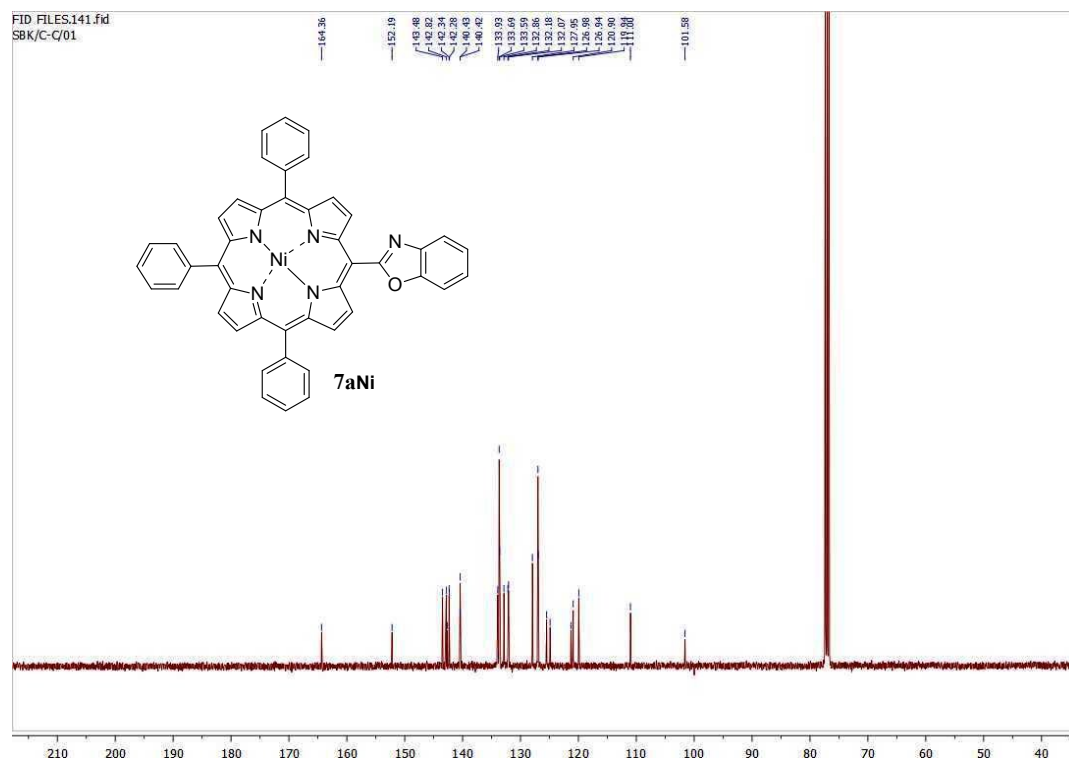
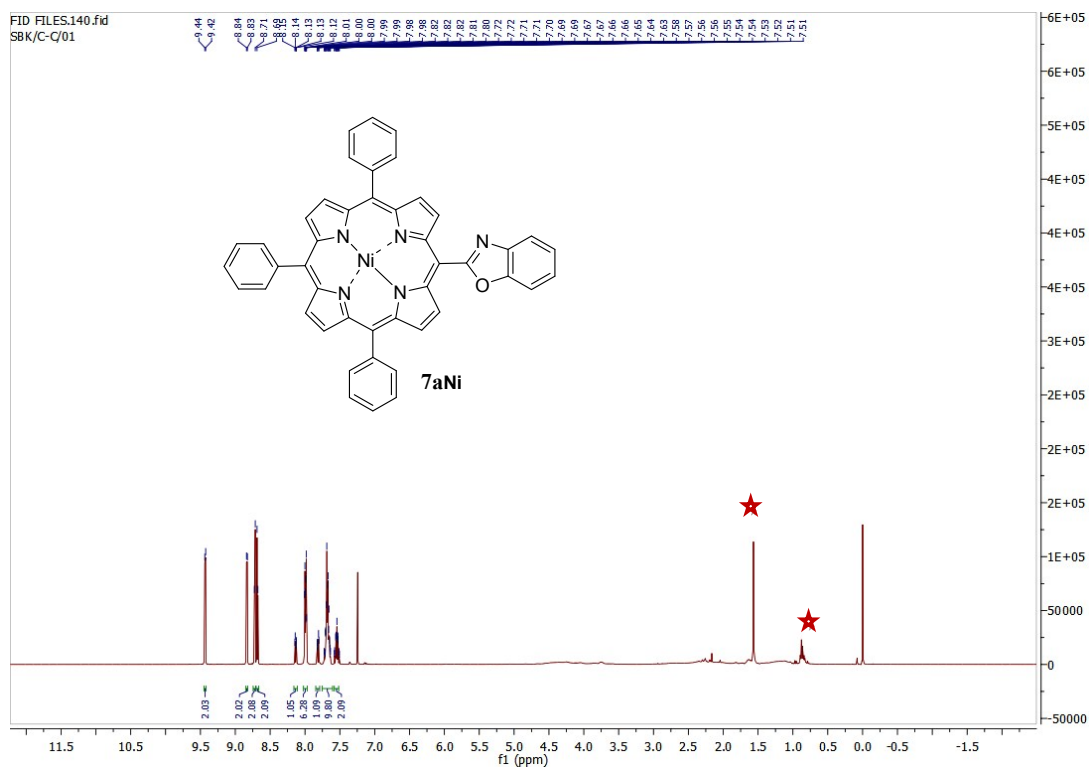


Figure S1. ^1H and ^{13}C NMR spectra of **7aNi**; * Indicating solvent residual peak

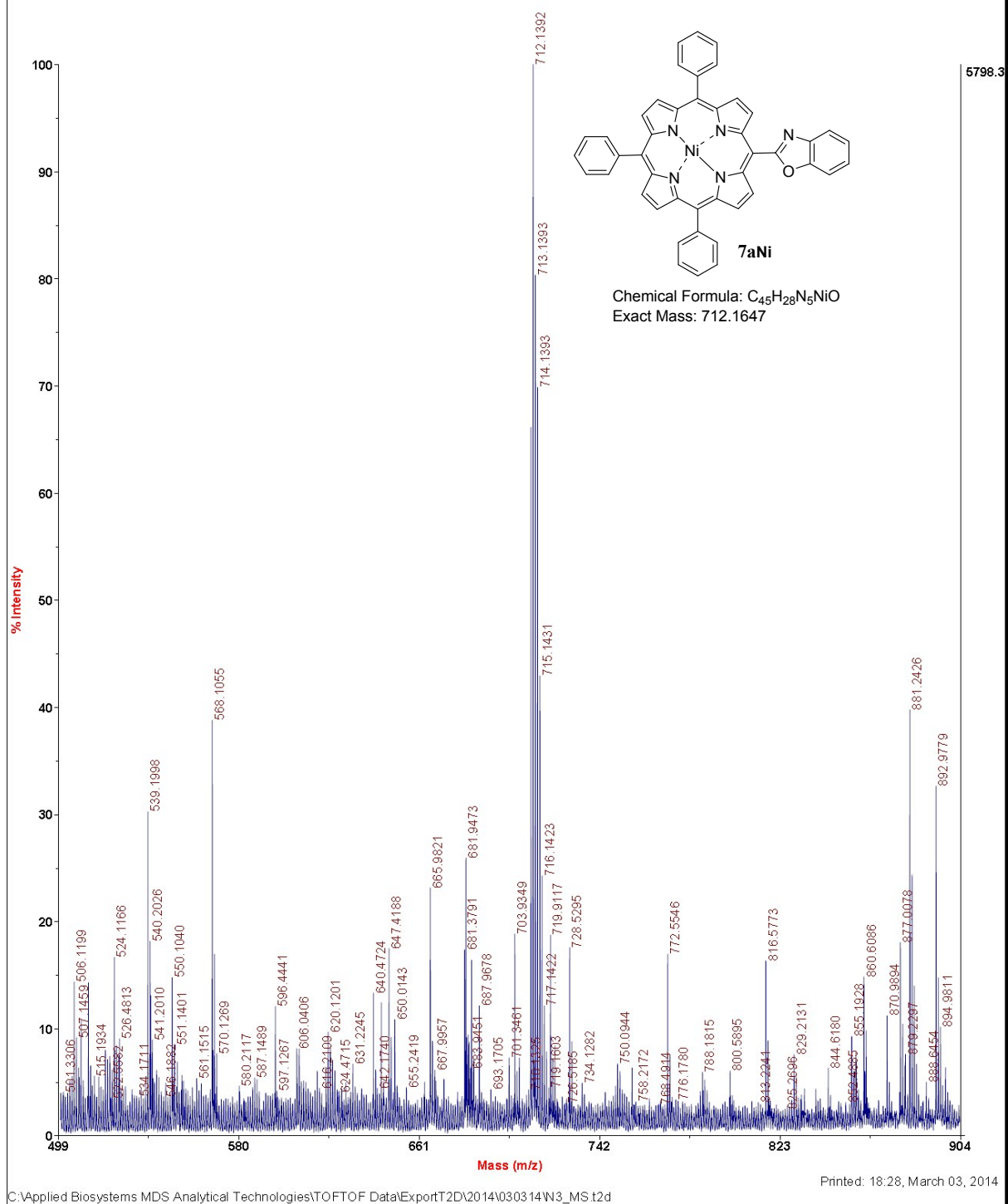


Figure S2. MALDI-TOF mass spectrum of **7aNi**

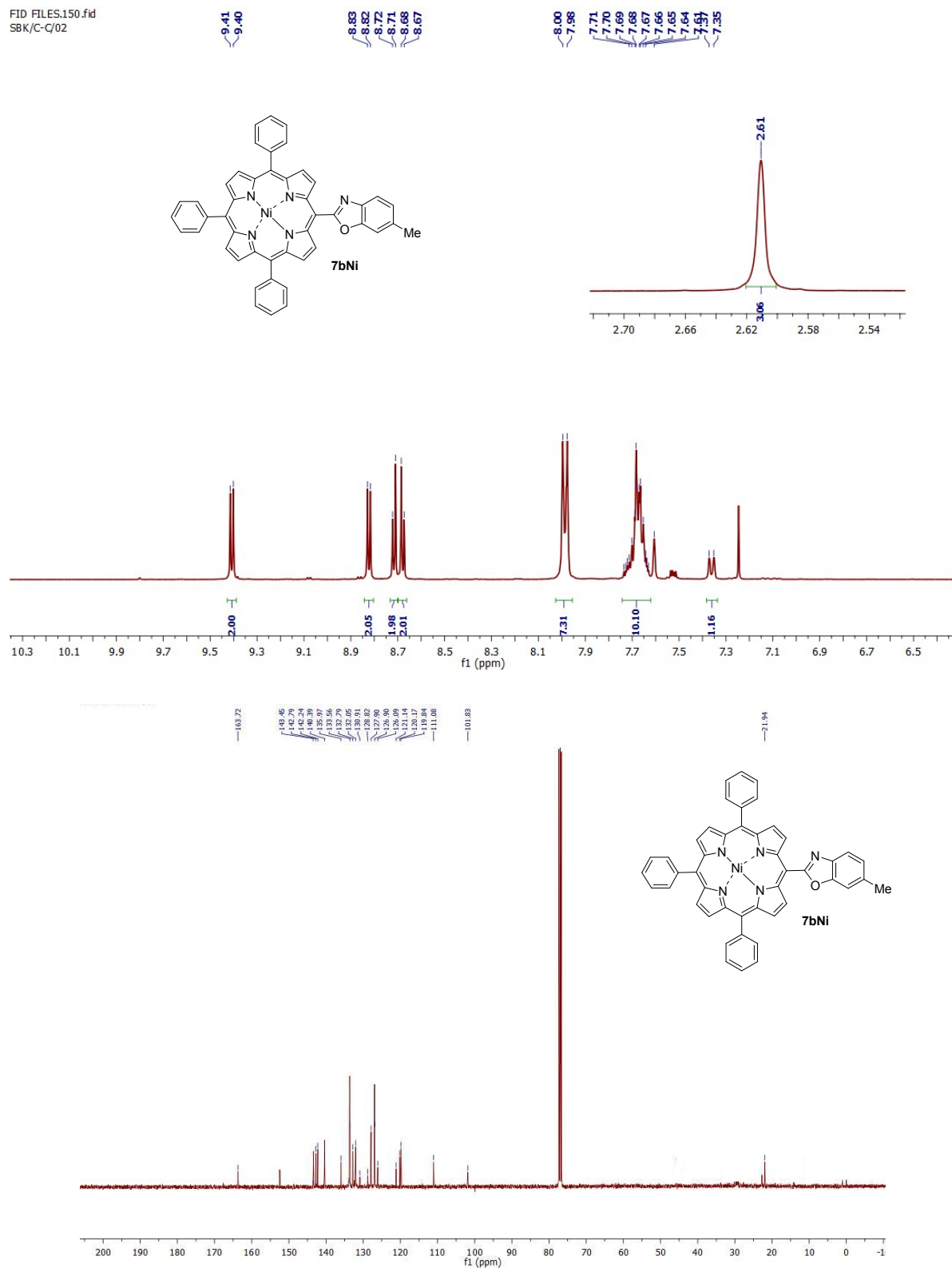
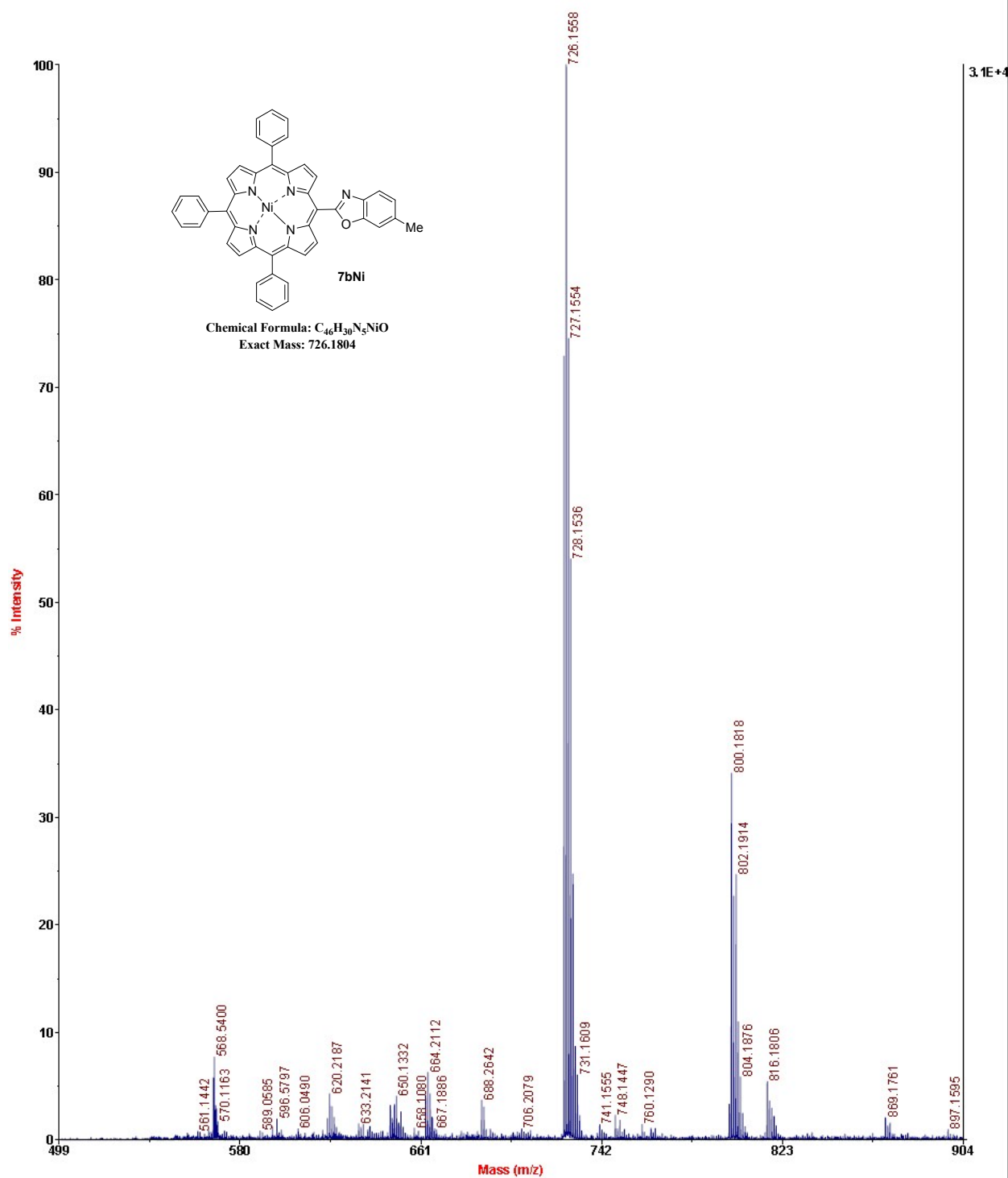


Figure S3. NMR spectra (¹H & ¹³C) of **7bNi**



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Figure S4. MALDI-TOF mass spectrum of **7bNi**

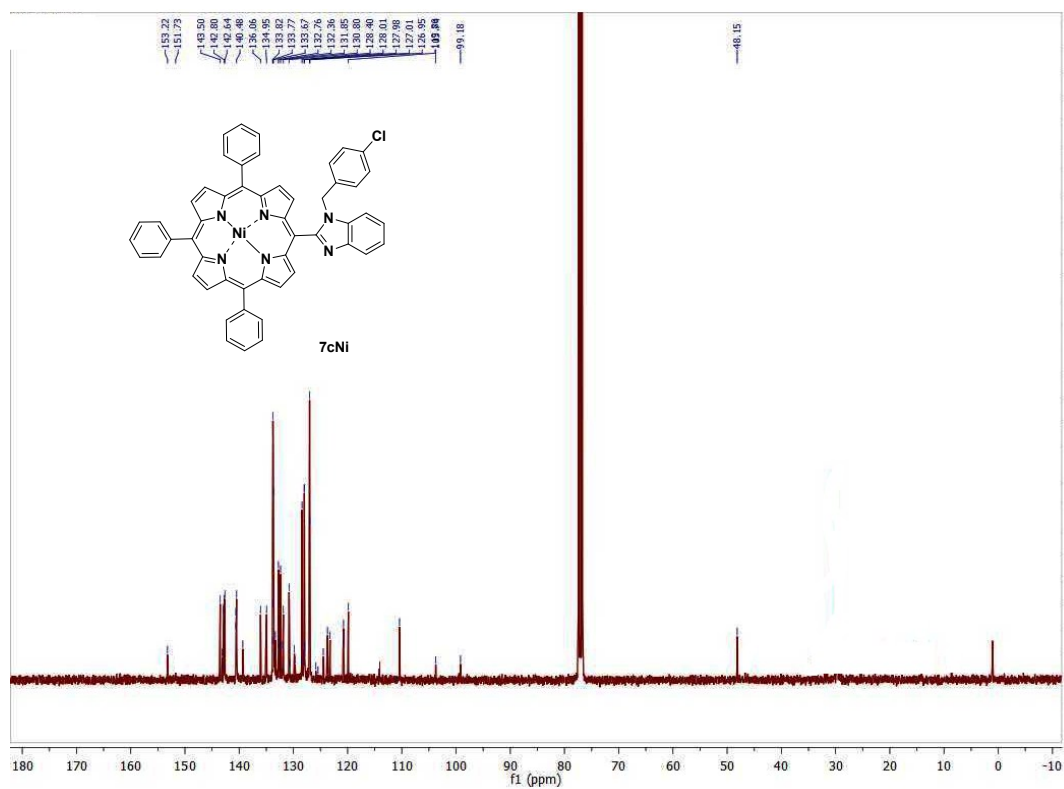
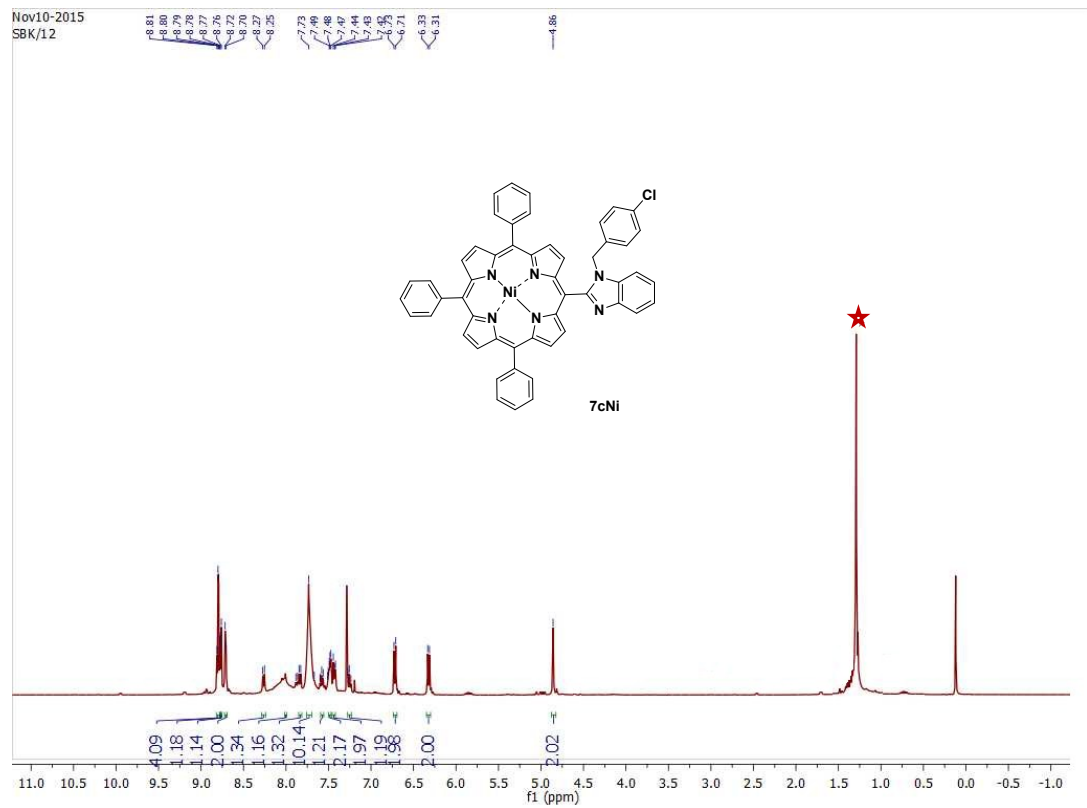


Figure S 5. NMR (^1H & ^{13}C) spectra of **7cNi**; * Indicating solvent residual peak

4.6 Lin External Mass Accuracy Tof2_mix

Performance

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Shimadzu Biotech Axima LNR 2.9.3.20110624: Mode linear, Power: 88, P.Ext. @ 680 (bin 39)

%Int. 1792 mV Profile 323

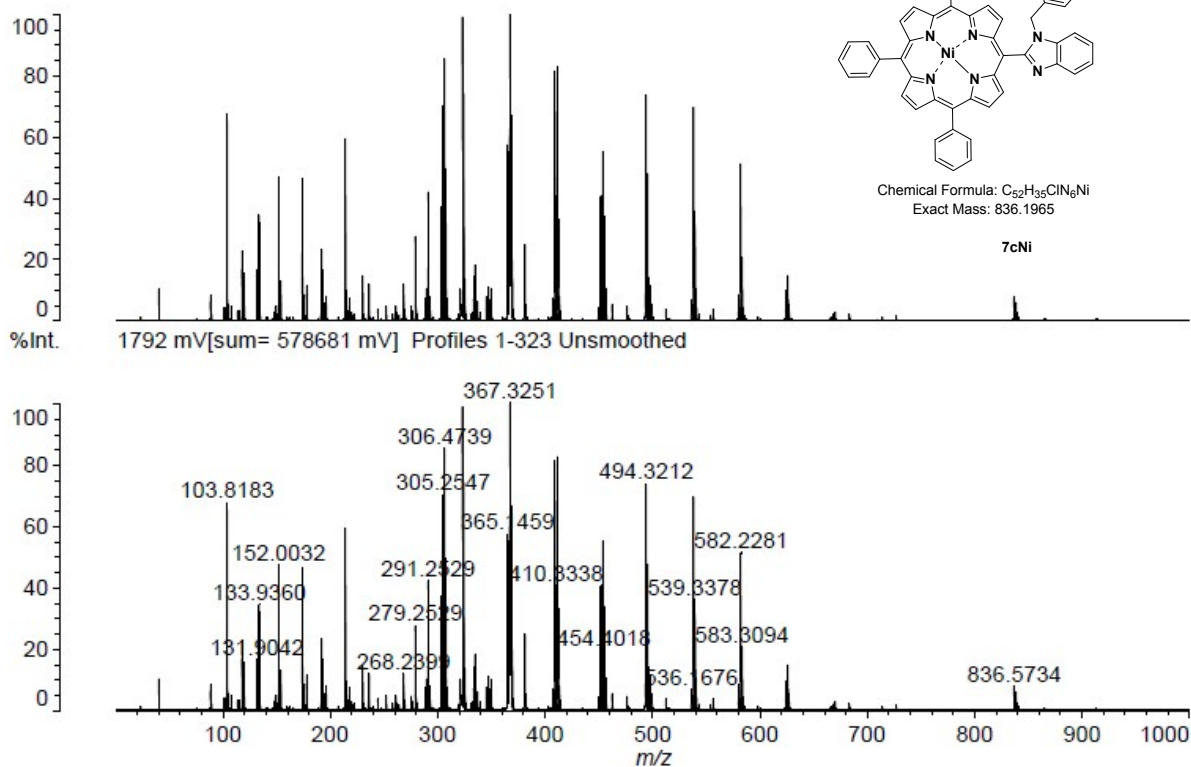


Figure S6. MALDI-TOF mass spectrum of 7cNi

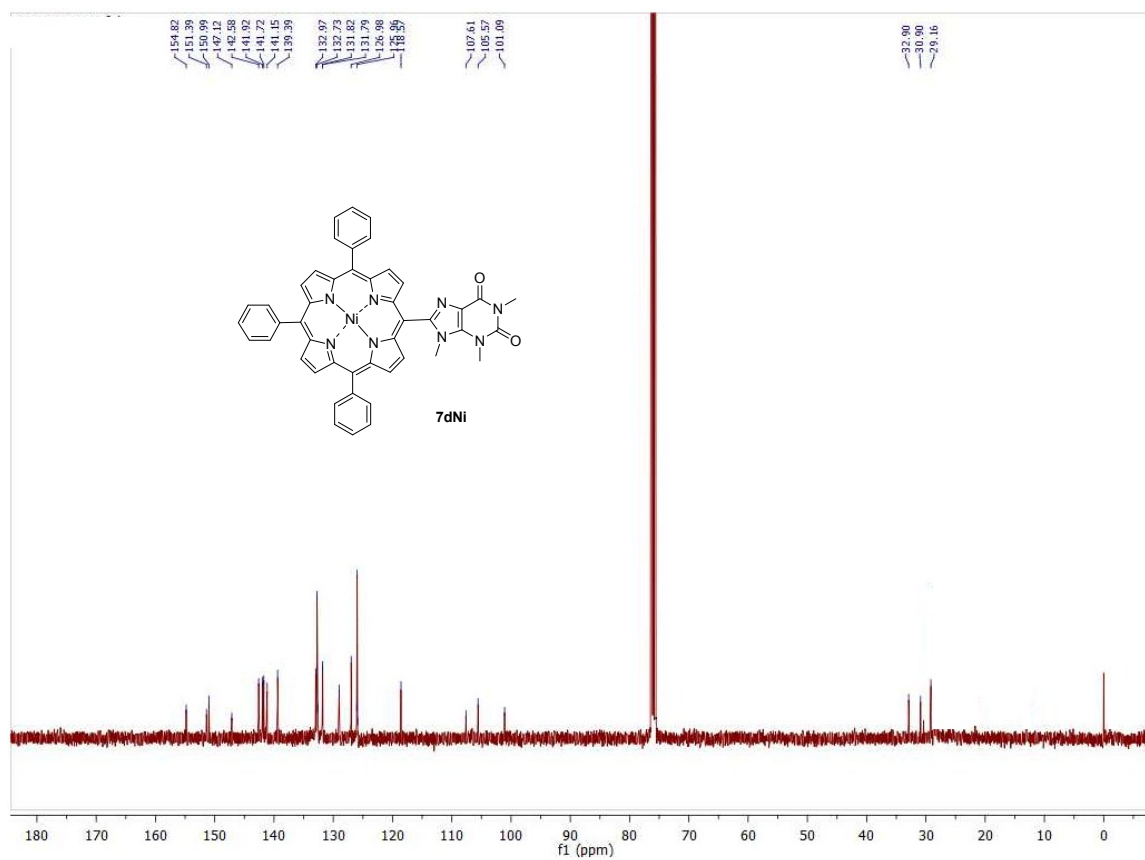
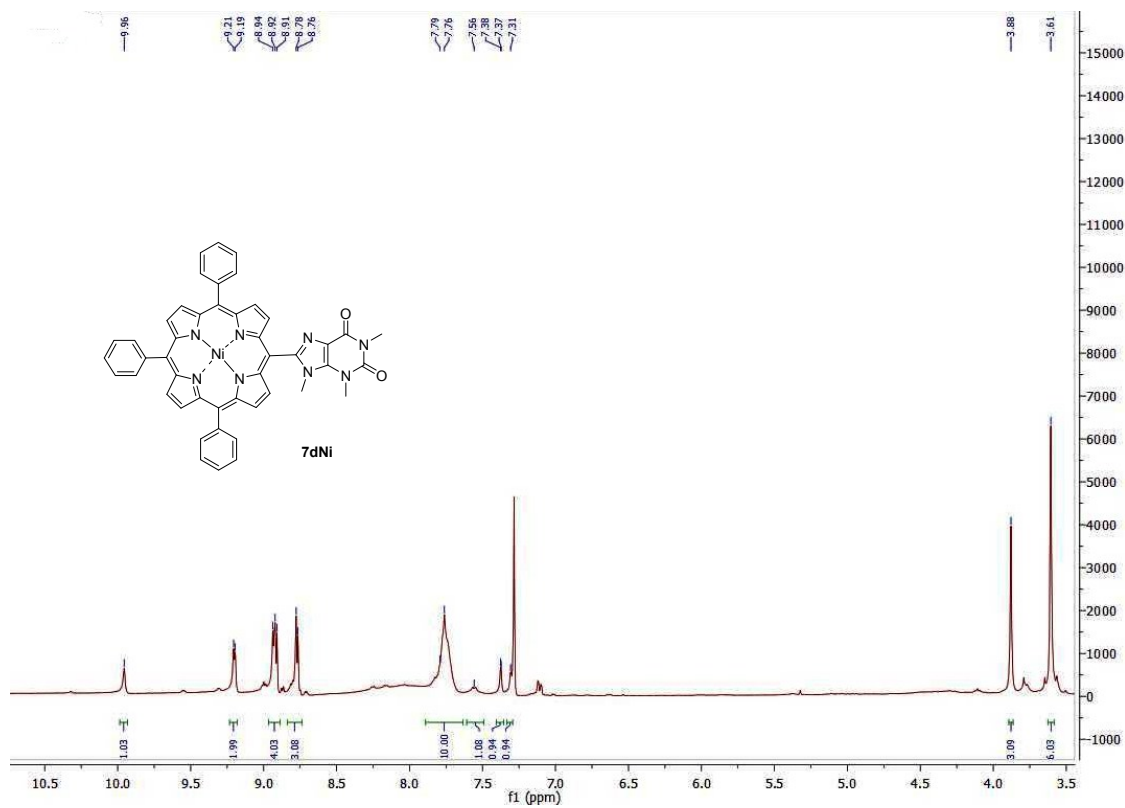


Figure S7. NMR (^1H & ^{13}C) spectra of **7dNi**

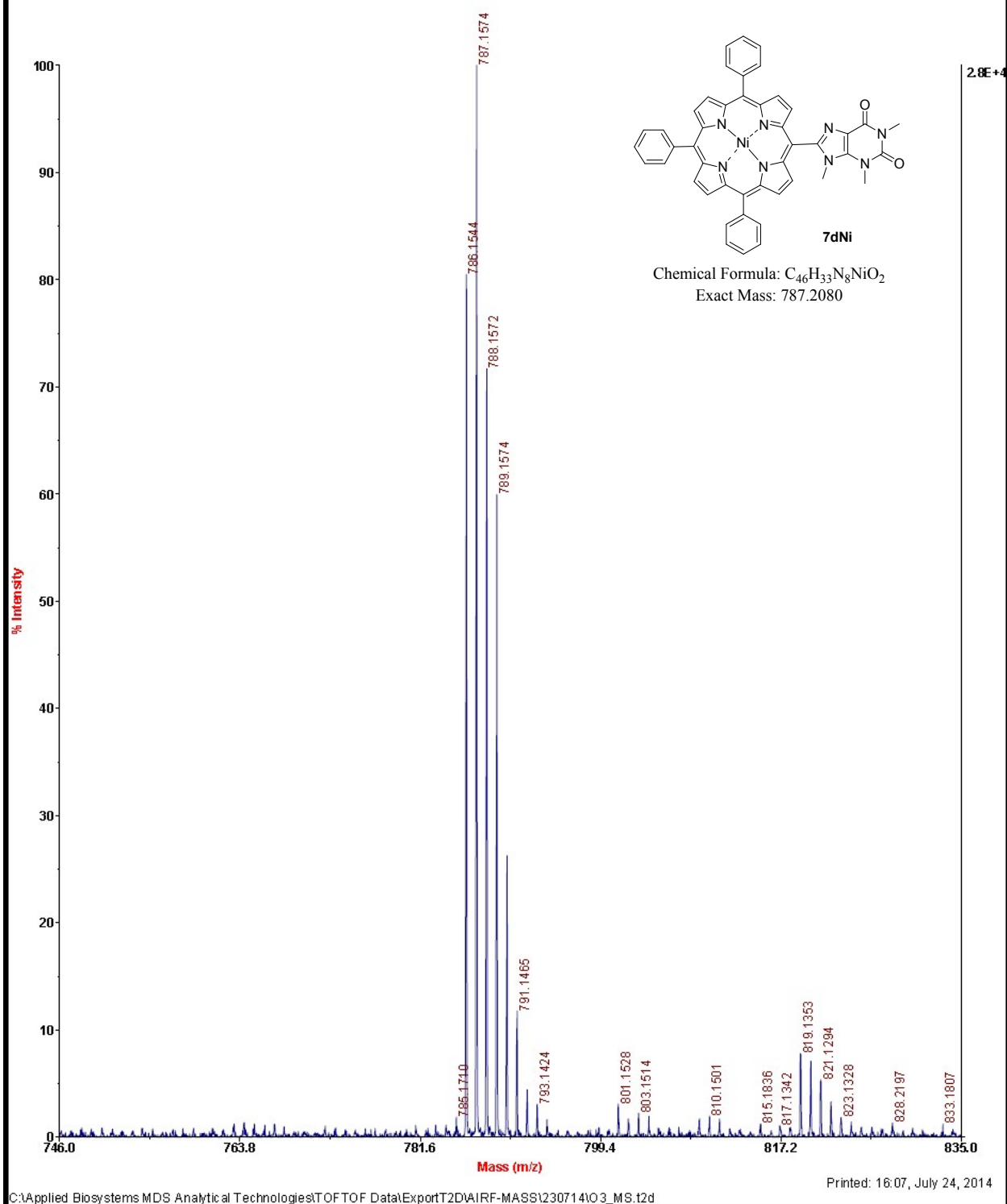


Figure S8. MALDI-TOF mass spectrum of 7dNi

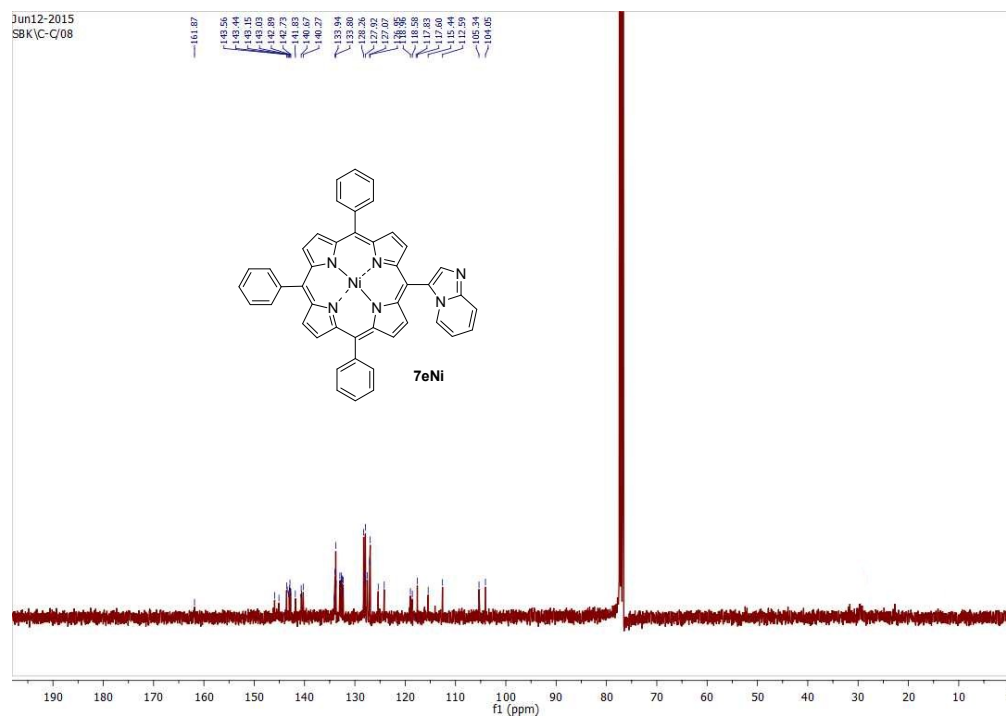
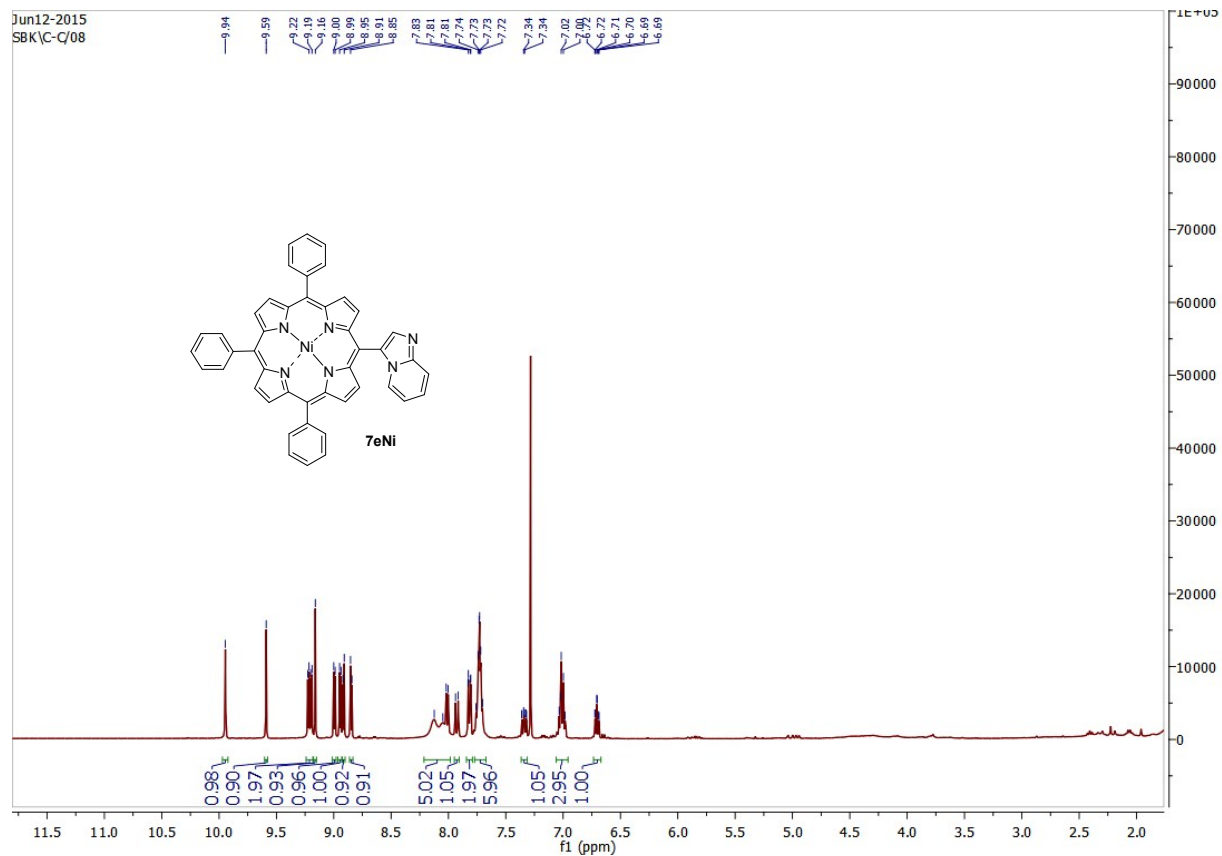
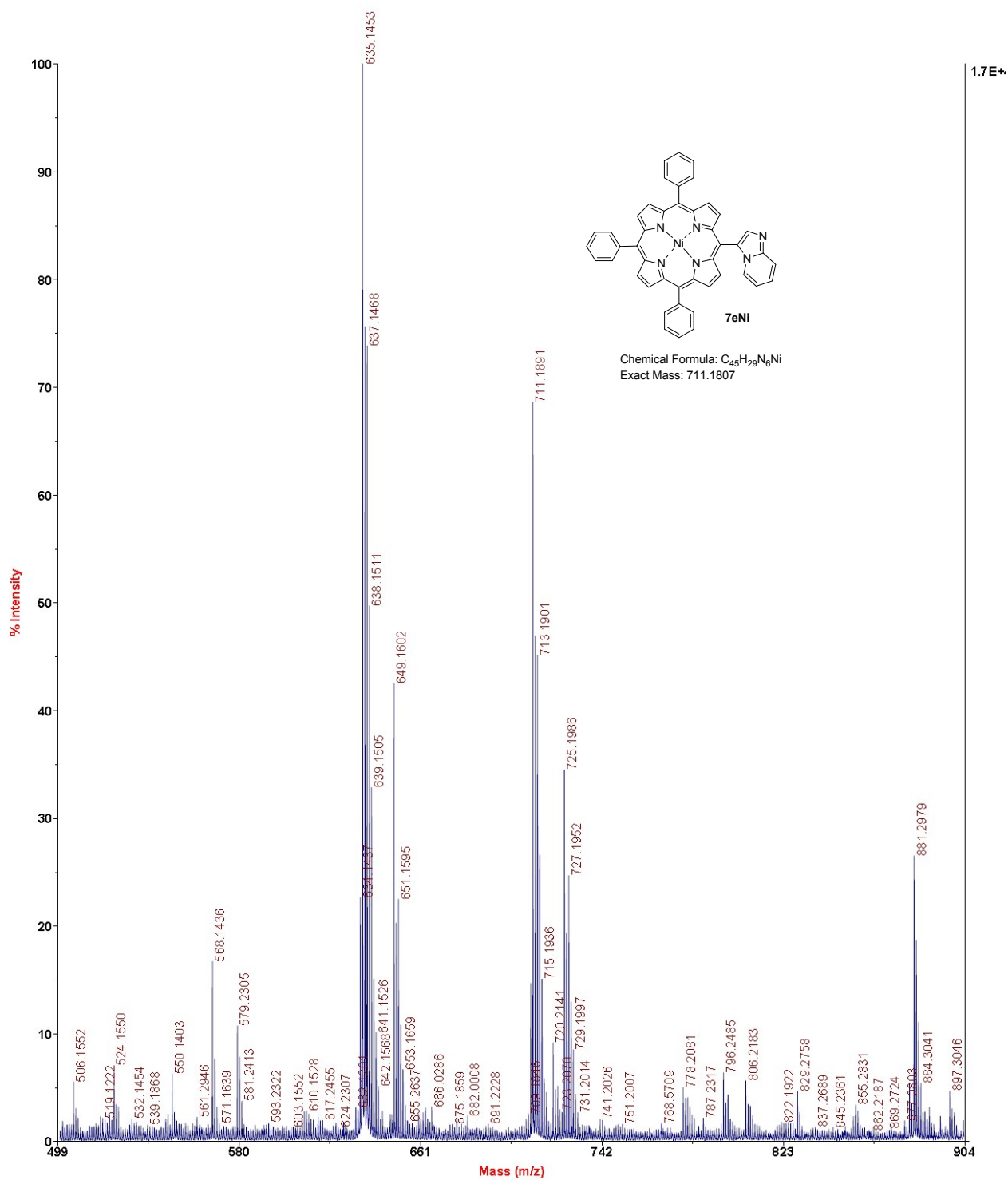


Figure S9. NMR (^1H & ^{13}C) spectra of **7eNi**

Applied Biosystems MDS Analytical Technologies TOF/TOF™ Series Explorer™ 72027

TOF/TOF™ Reflector Spec #1 MC[BP = 635.1, 17006]



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Figure S10. MALDI-TOF mass spectrum of 7eNi

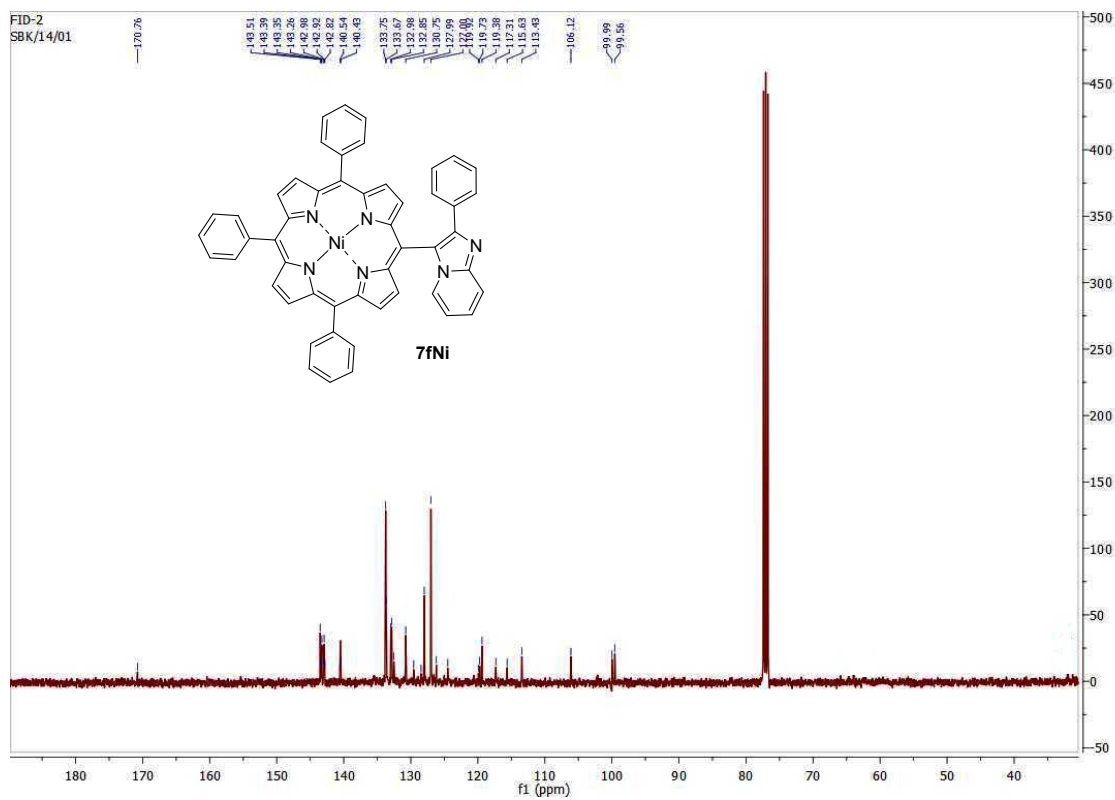
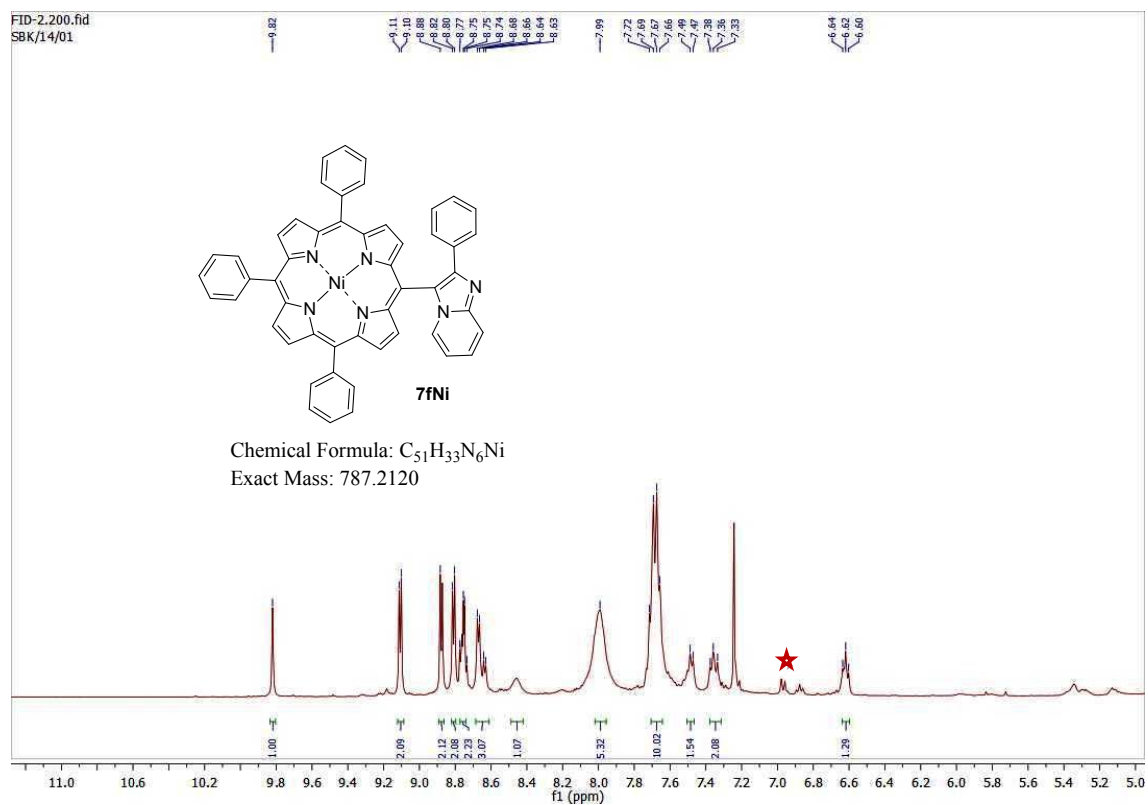


Figure S11. NMR (1H & ^{13}C) spectra of **7fNi**; * Indicating solvent residual peak

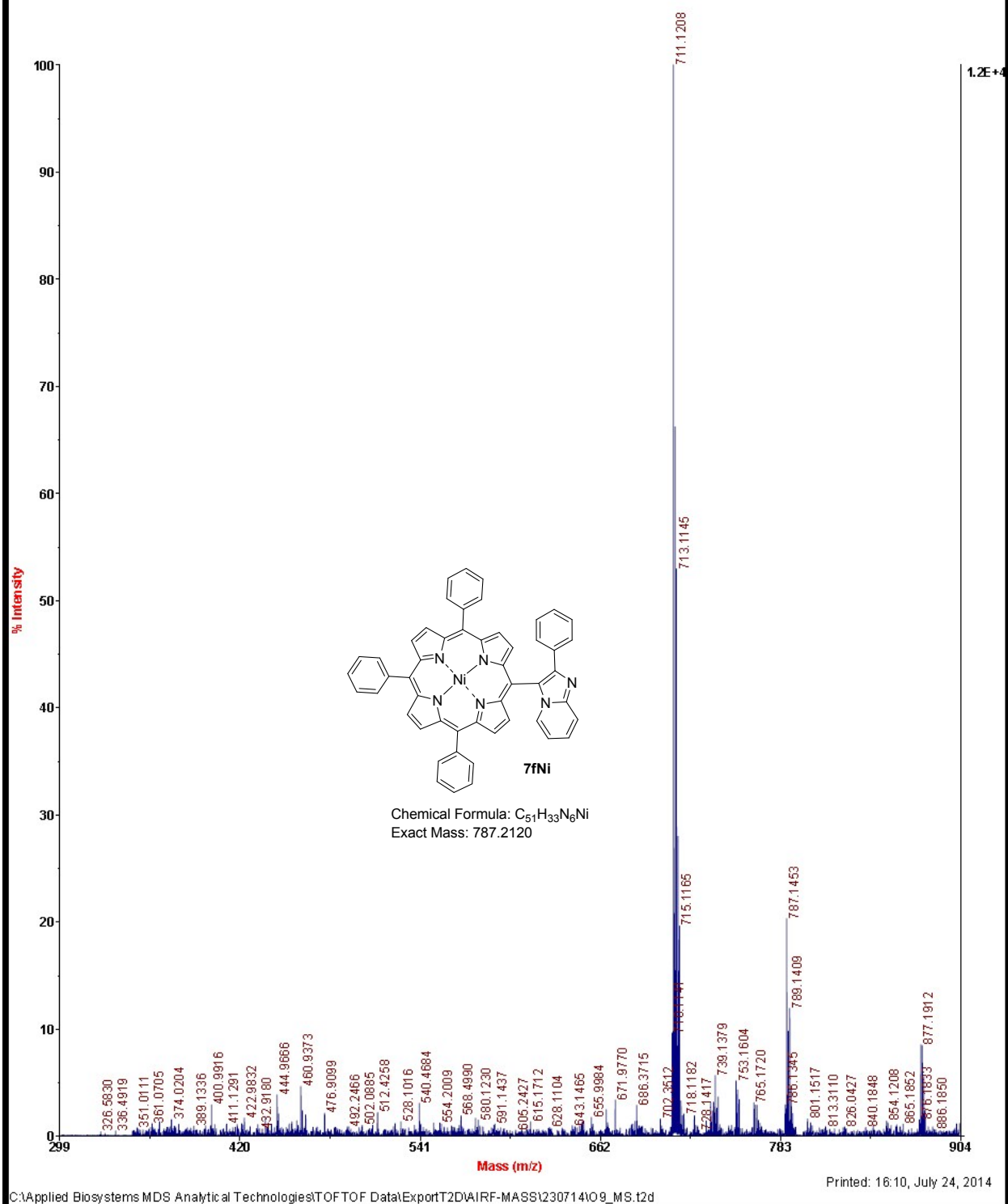
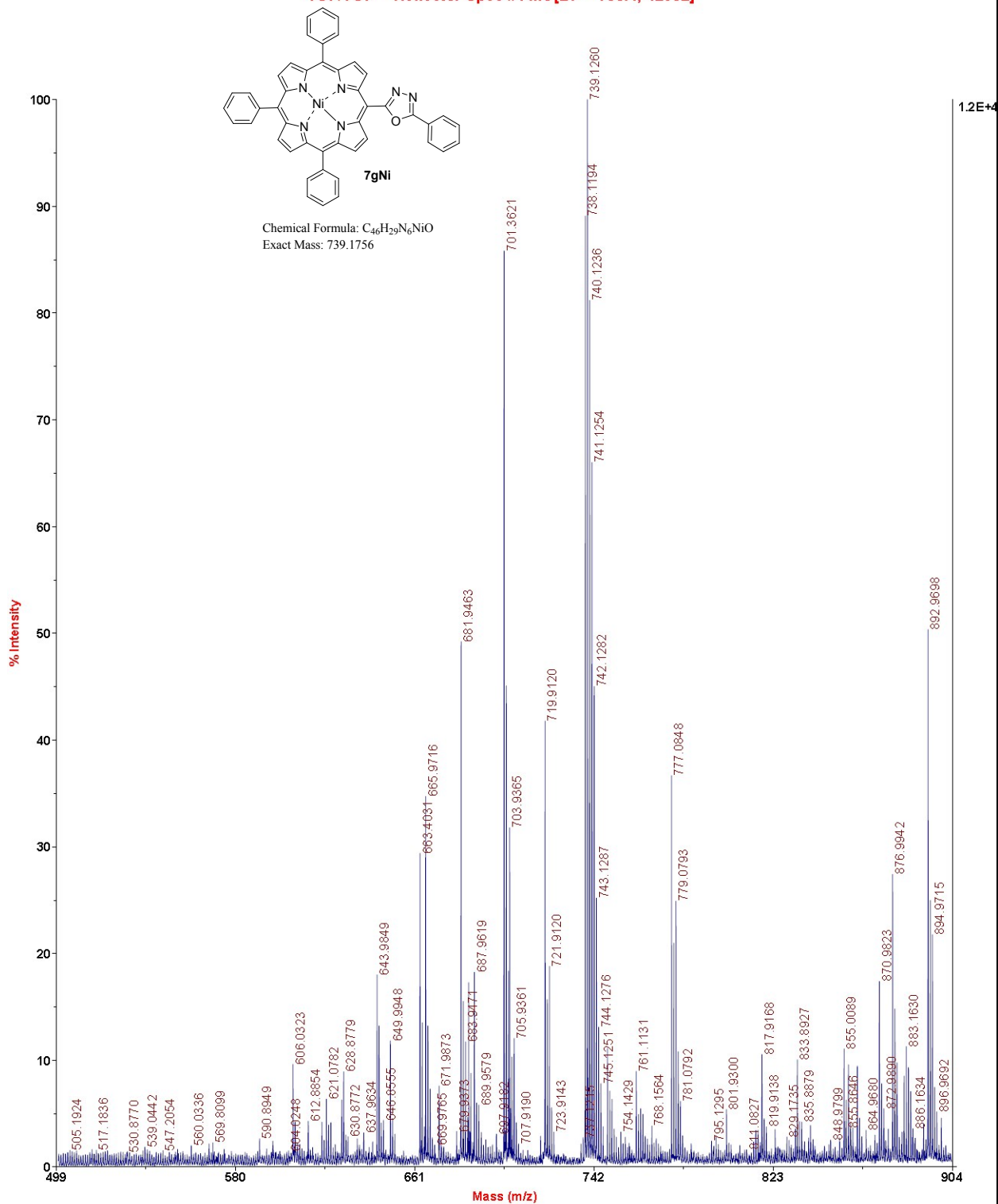


Figure S12. MALDI-TOF mass spectrum of 7fNi

TOF/TOF™ Reflector Spec #1 MC[BP = 739.1, 12092]



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Figure S14. MALDI-TOF mass spectra of 7gNi

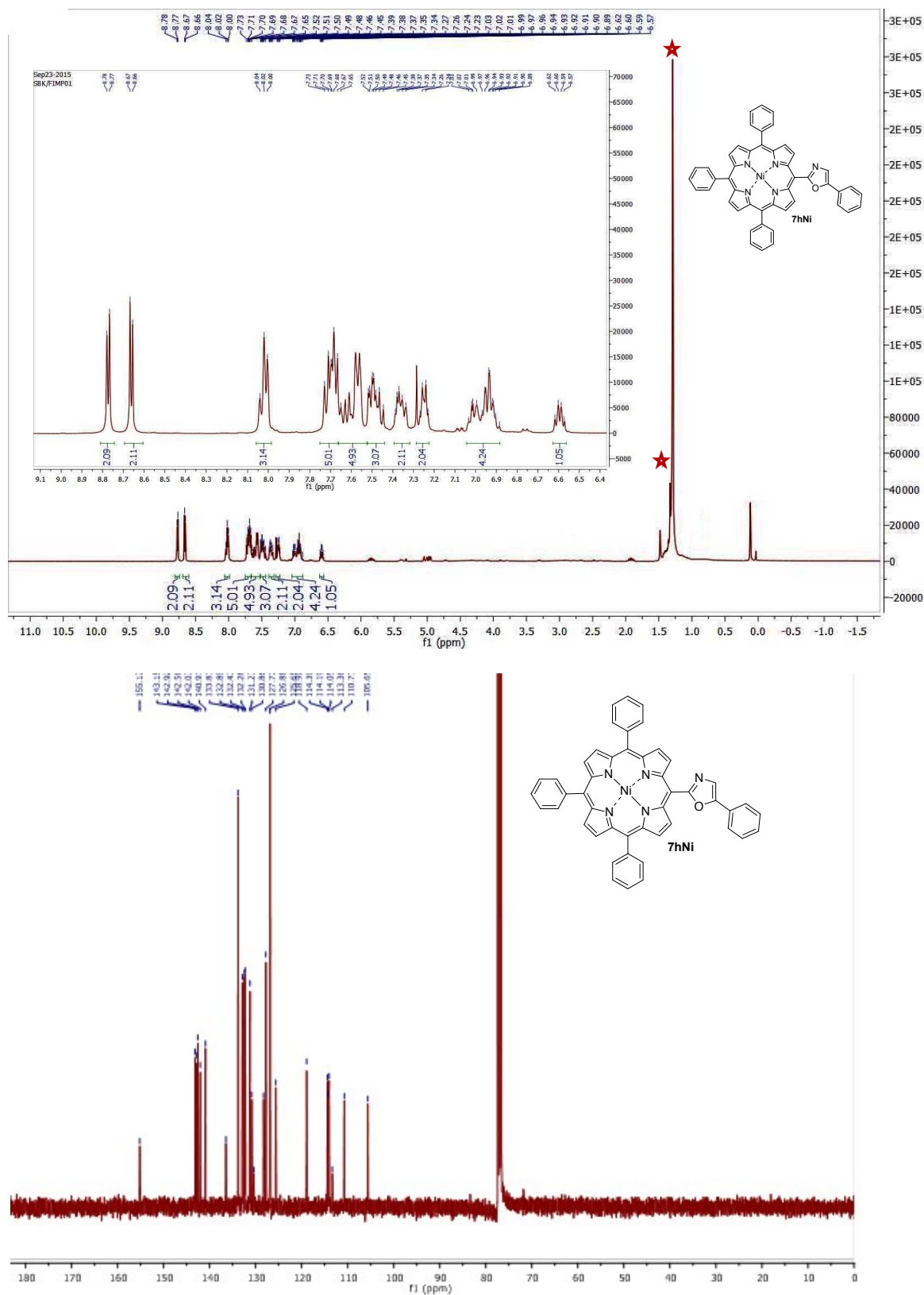
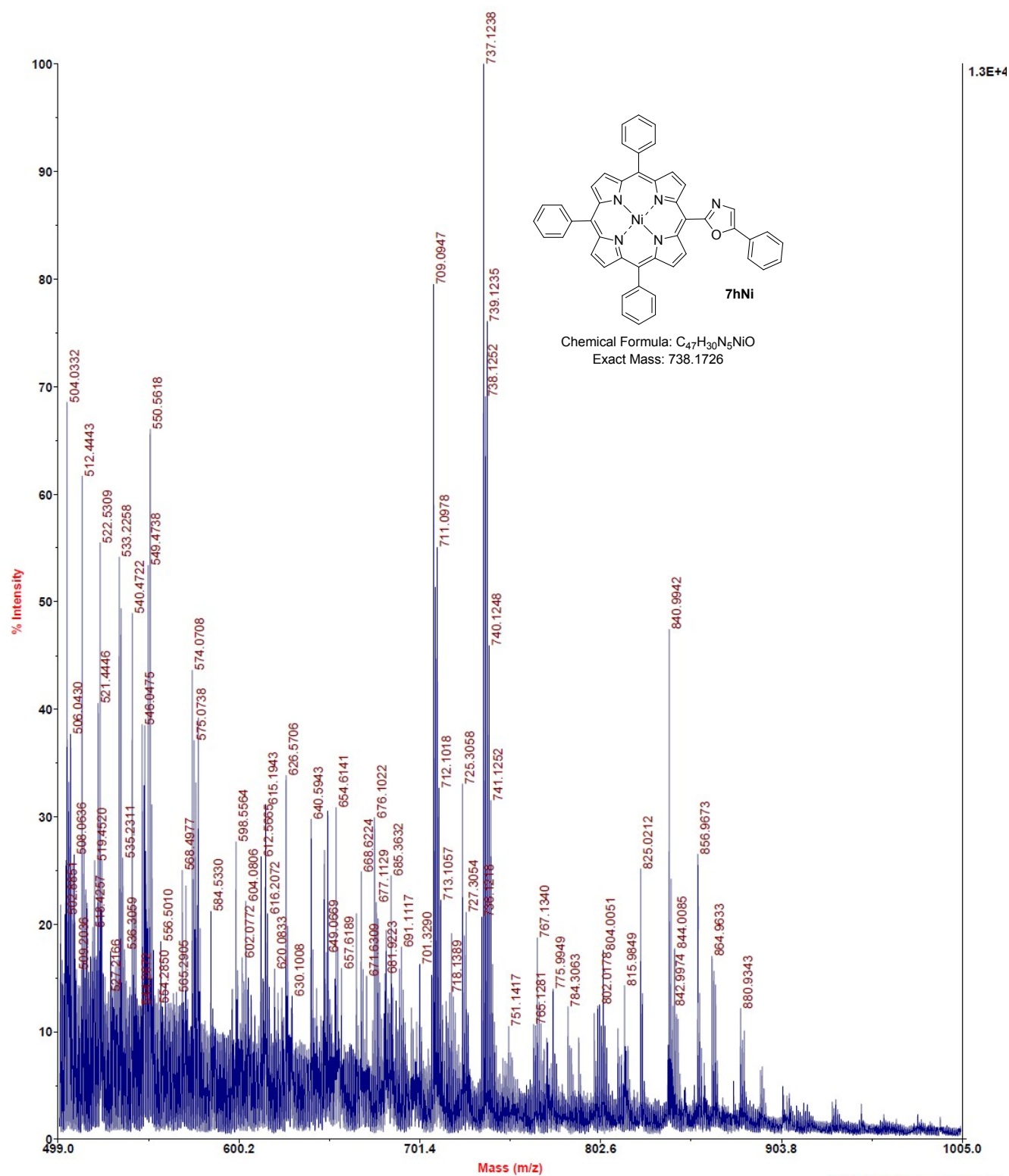


Figure S15. NMR (^1H & ^{13}C) spectra of **7hNi**; * Indicating solvent residual peak



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Figure S26. MALDI-TOF mass spectrum of 7hNi

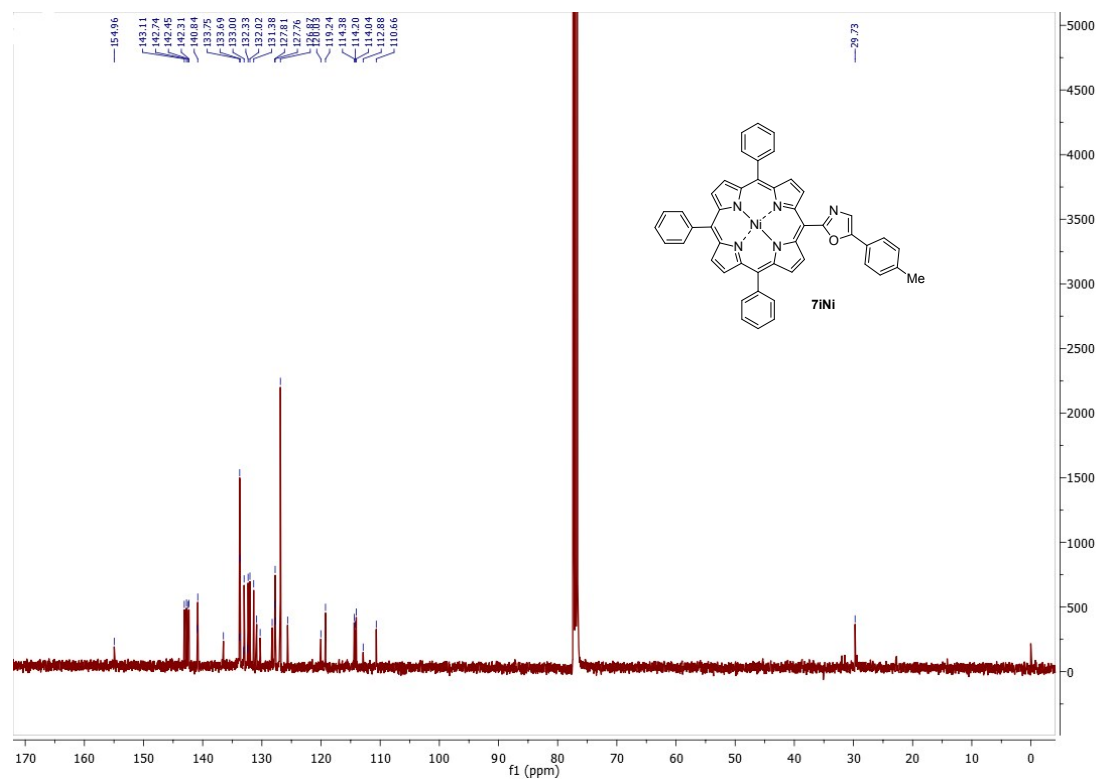
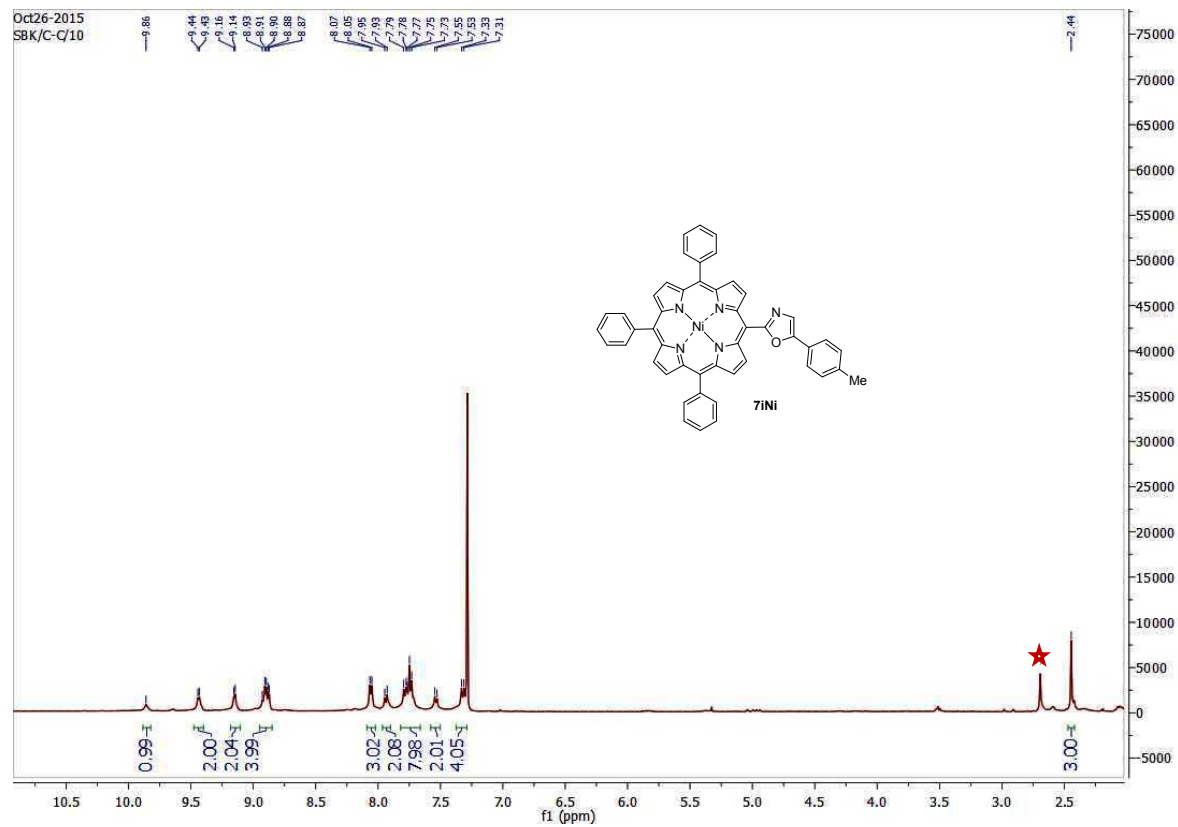
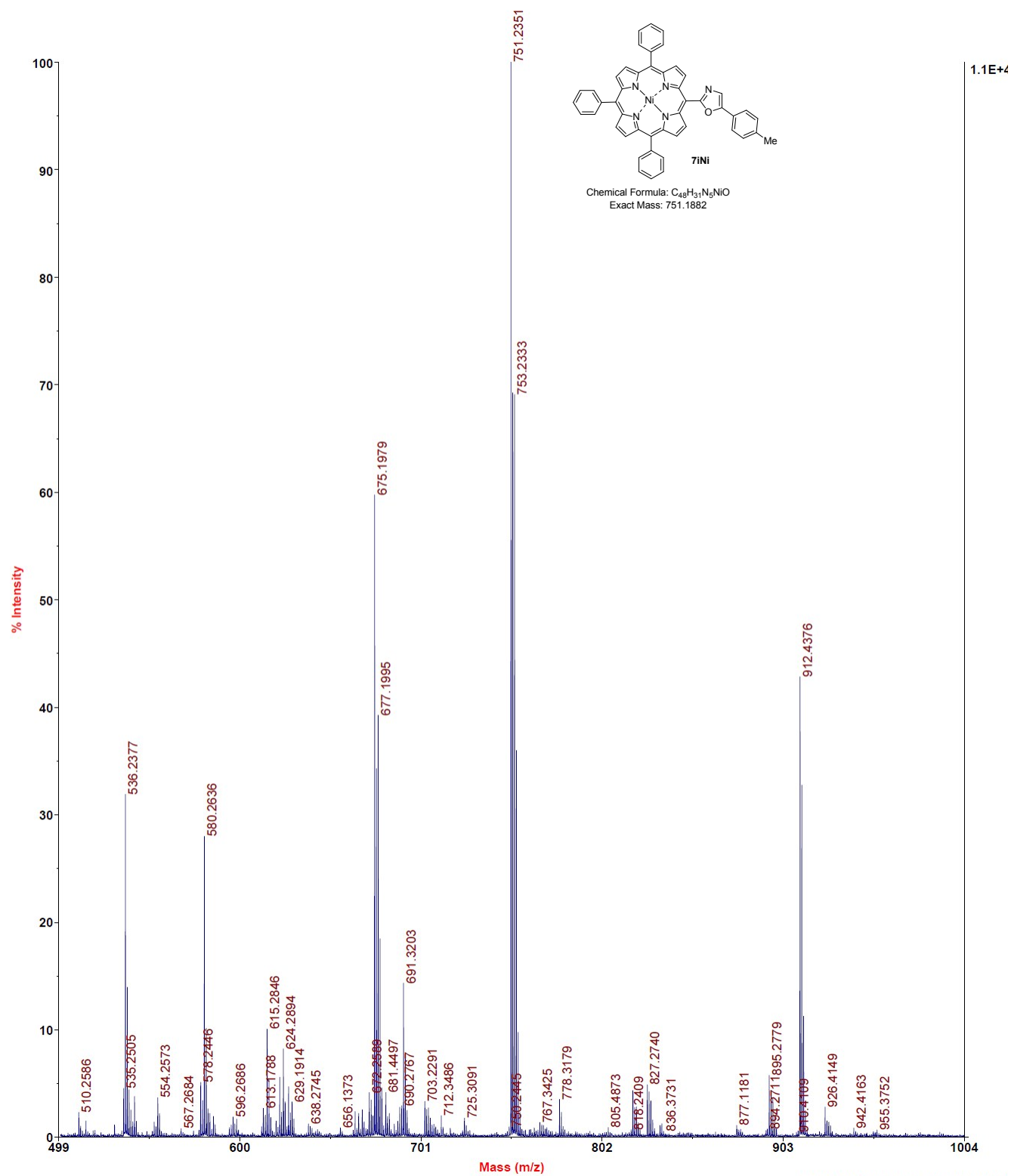


Figure S27. NMR (¹H & ¹³C) spectra of porphyrin **7iNi**; * Indicating solvent residual peak

TOF/TOF™ Reflector Spec #1 MC[BP = 751.2, 11204]



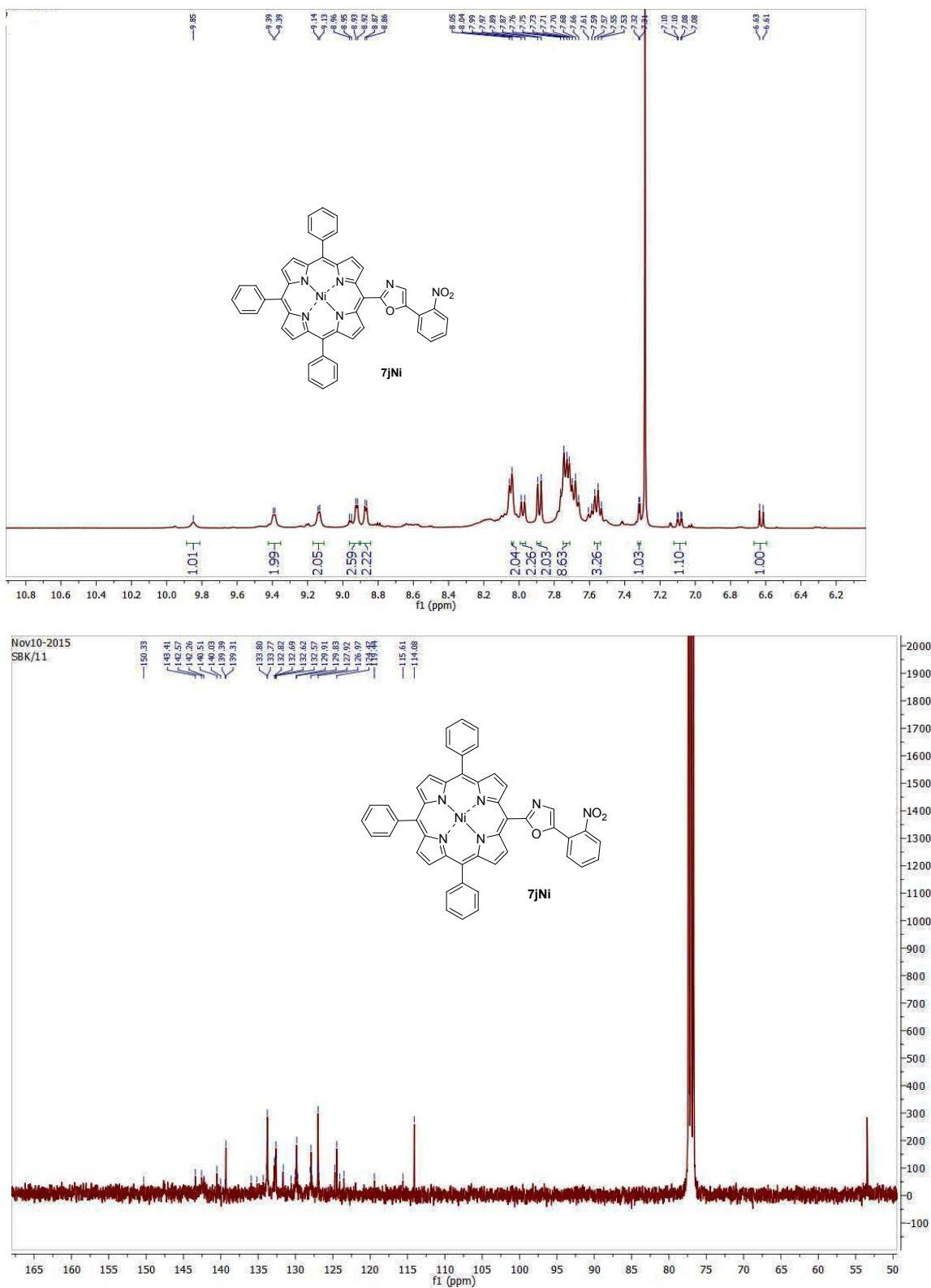


Figure S29. NMR (¹H & ¹³C) spectra of **7jNi**

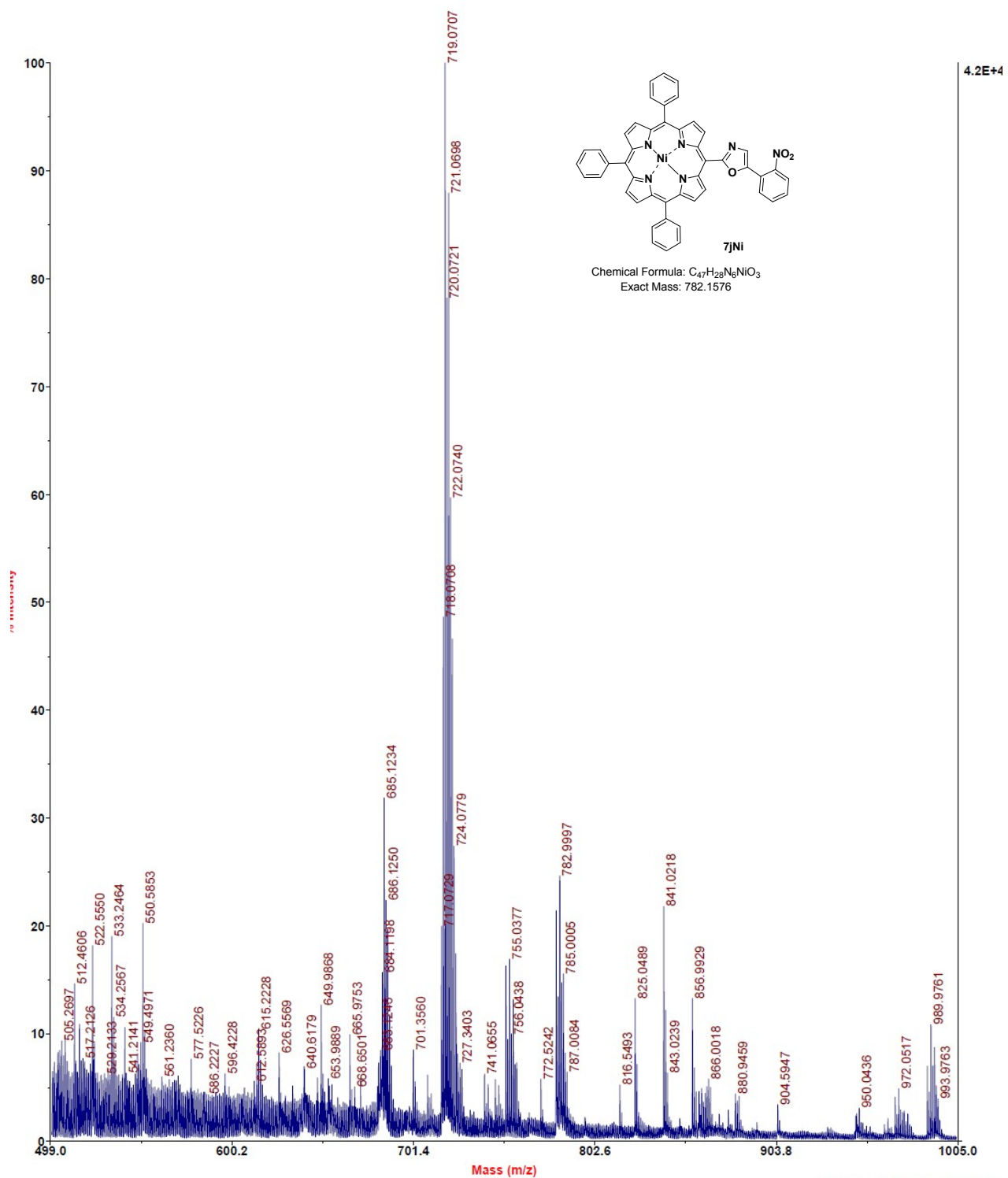


Figure S20. MALDI-TOF mass spectrum of 7jNi

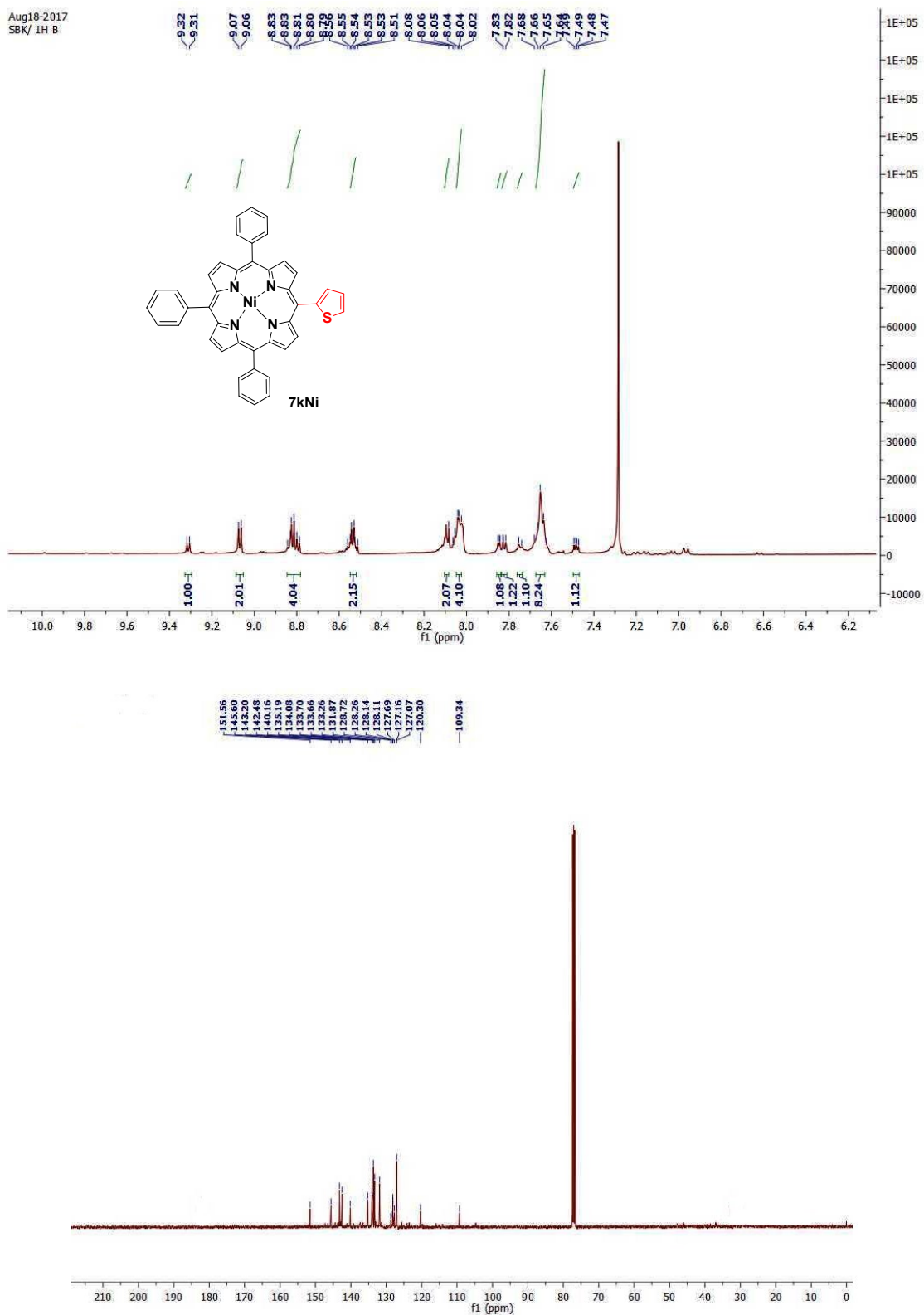


Figure S21. NMR (^1H & ^{13}C) spectra of **7kNi**

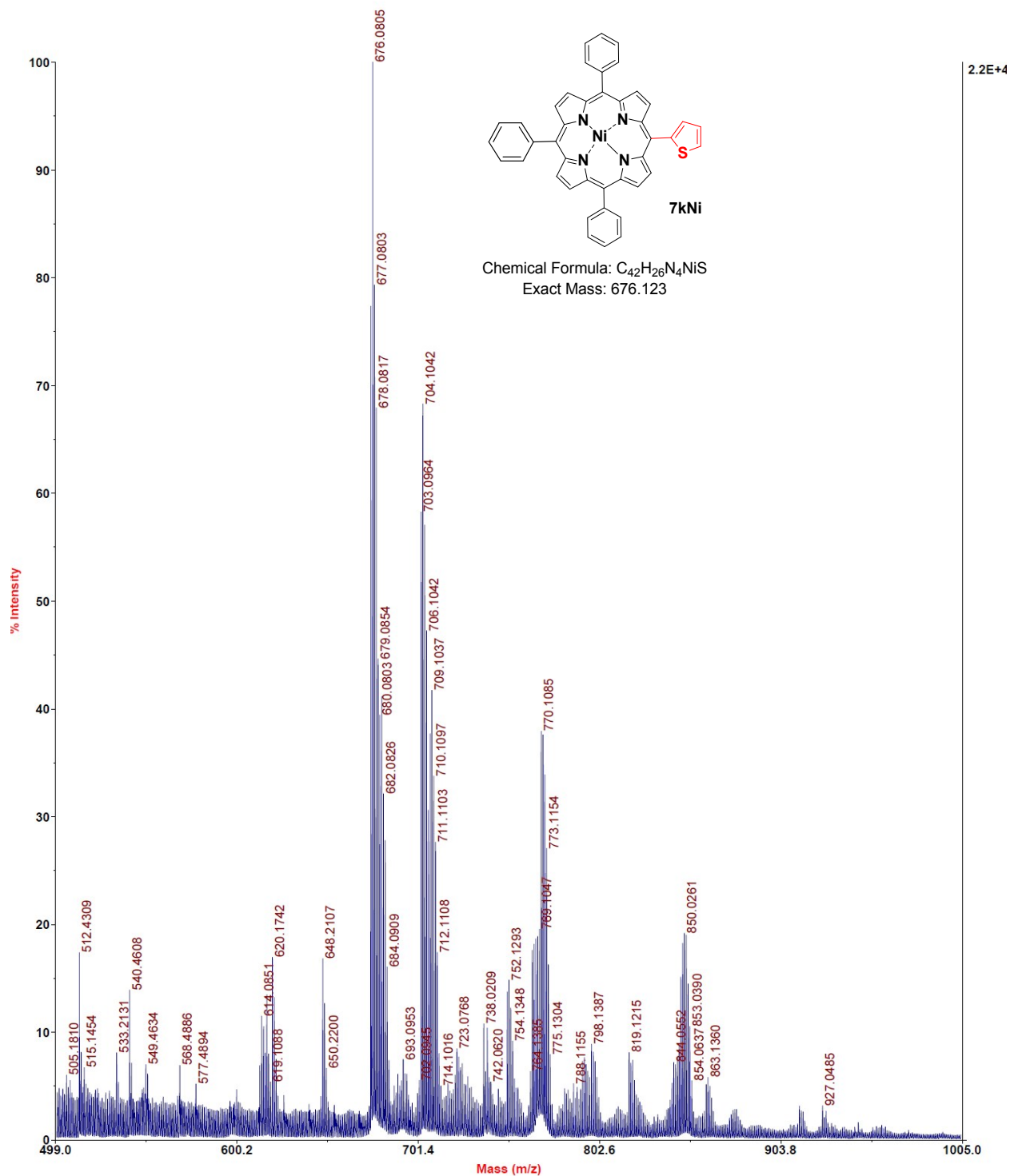


Figure S22. MALDI-TOF mass spectrum of 7kNi

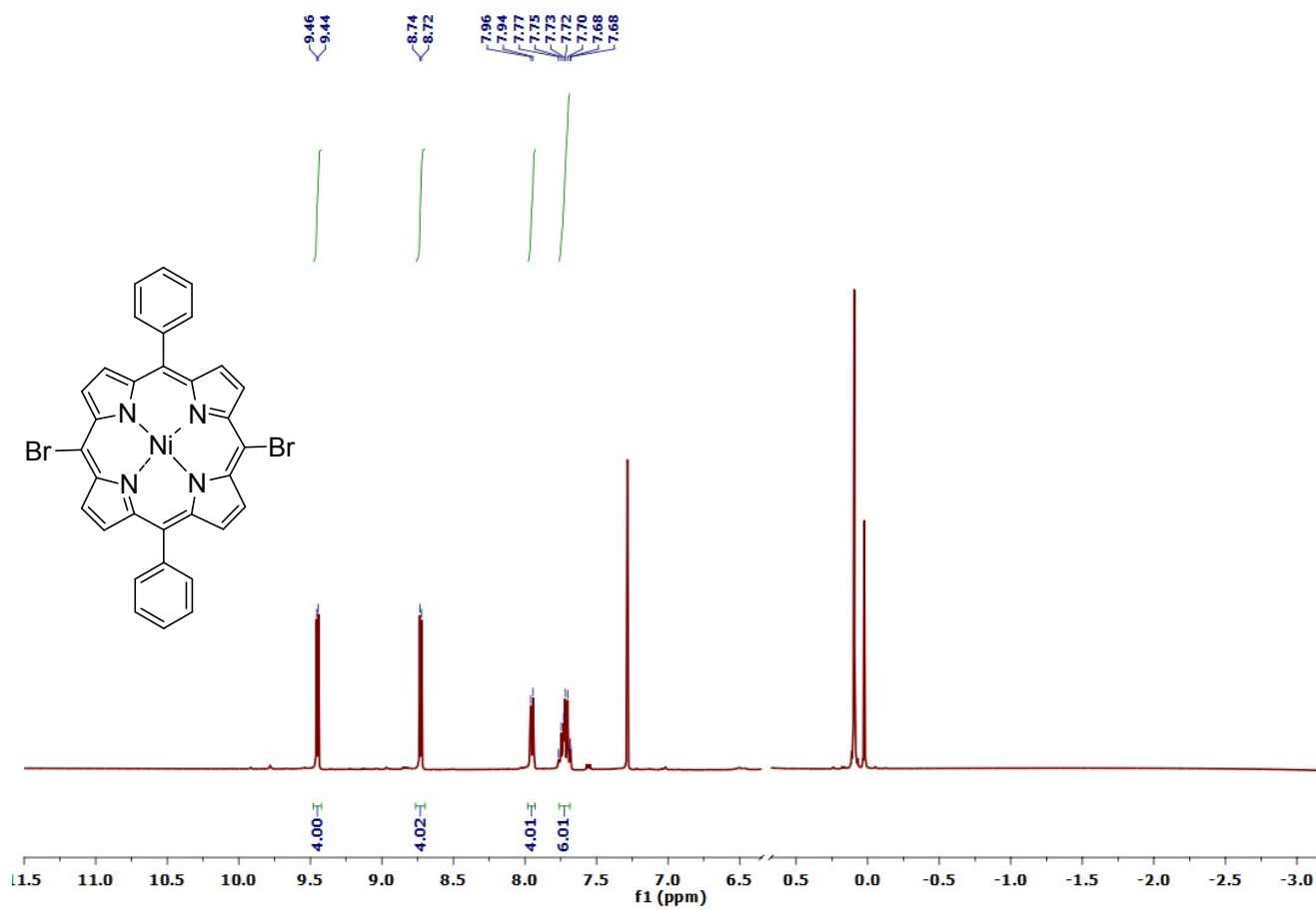


Figure 23. ^1H NMR spectrum of **5c**

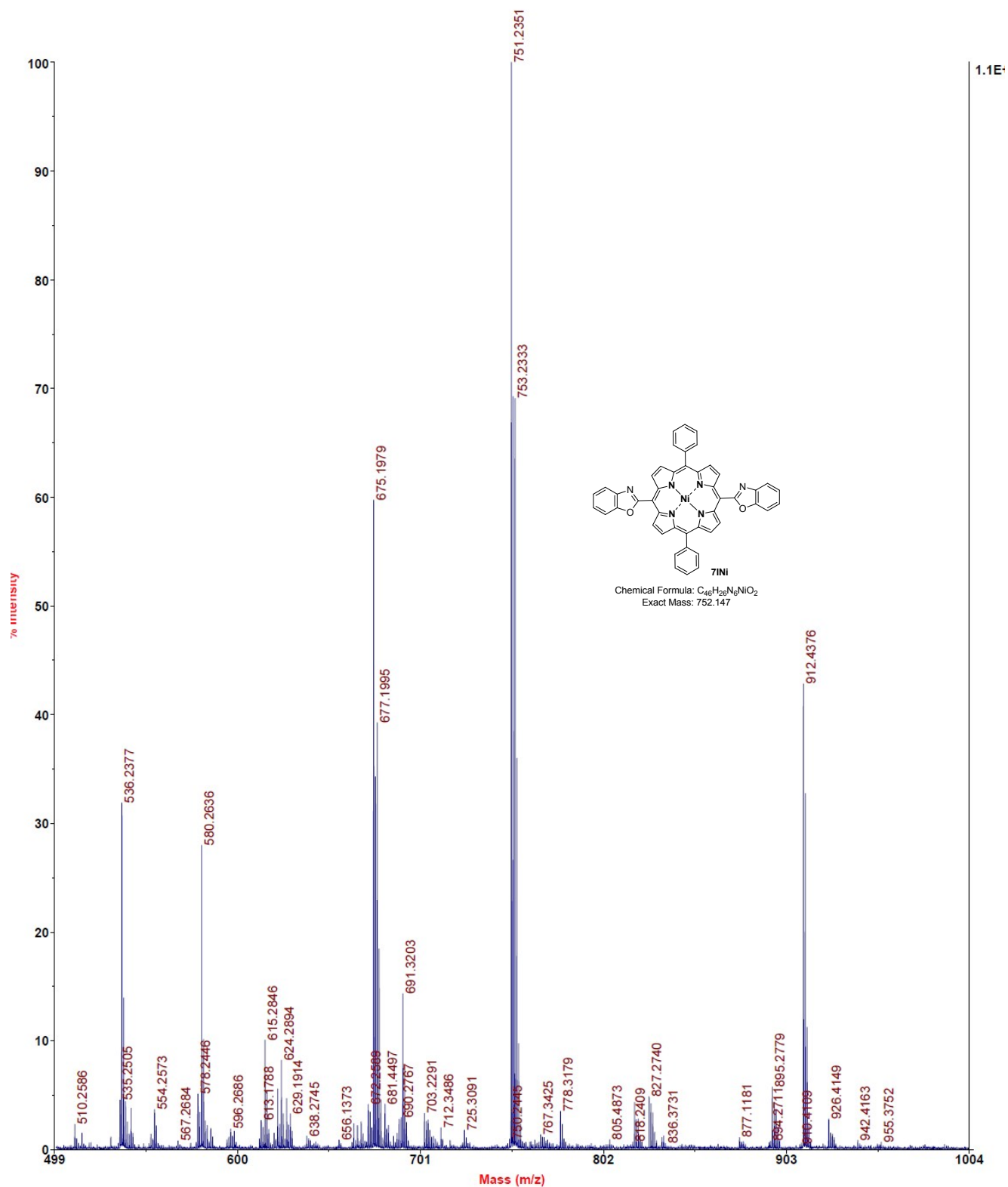


Figure S25. MALDI-TOF mass spectrum of 7INi