

**Phosphorescent platinum(II) and palladium(II) complexes with
azatetrabenzoporphyrins –new red laser diode-compatible indicators
for optical oxygen sensing**

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Manuscript ID: am-2009-00932z

Contents:

UV-Vis spectra of the zinc azatetrabenzoporphyrin complexes and the corresponding ligands, MALDI
and ¹H NMR spectra of the ligands, zinc, platinum(II) and palladium(II) complexes.

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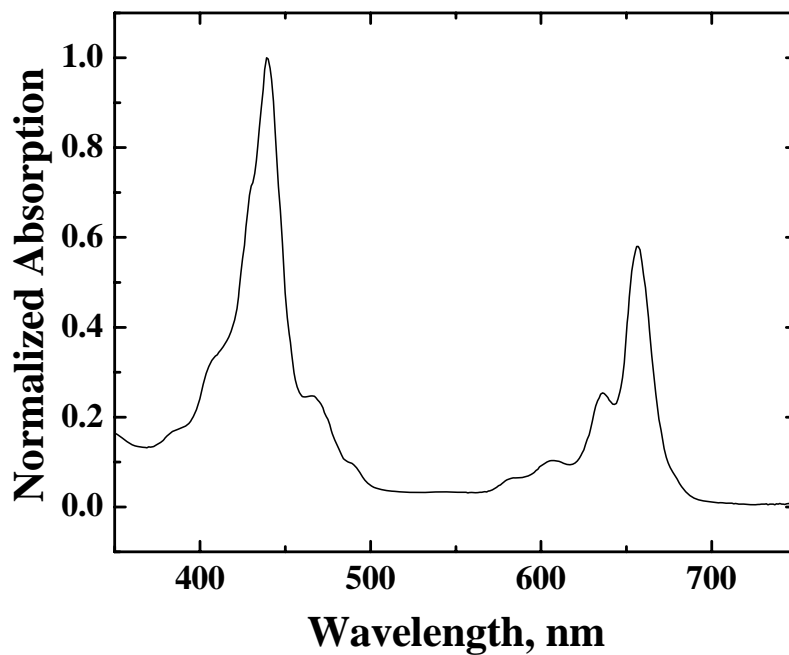


Fig. S1. Absorption spectrum of zinc 6-aza-13,20,27-triphenyltetrabenzoporphyrin in chloroform.

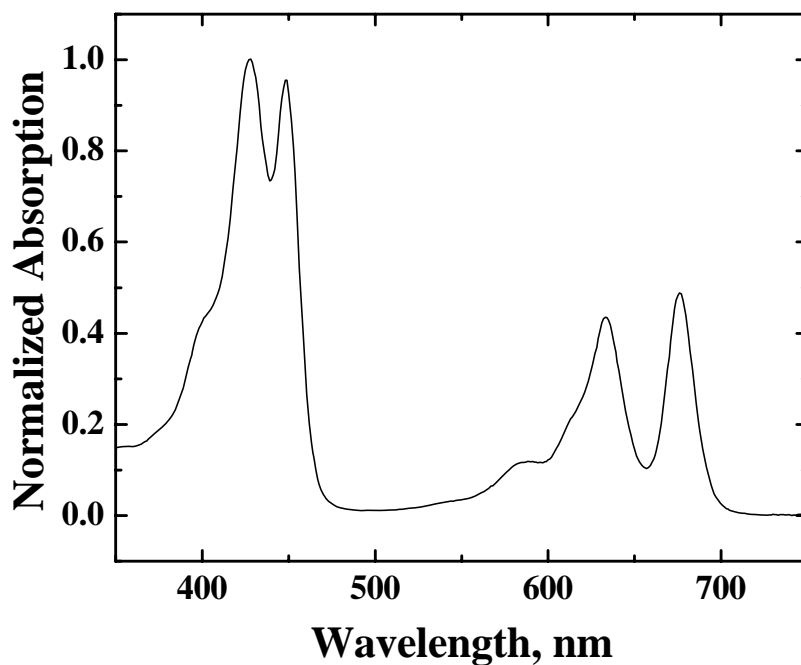


Fig. S2. Absorption spectrum of 6-aza-13,20,27-triphenyltetrabenzoporphyrin in chloroform.

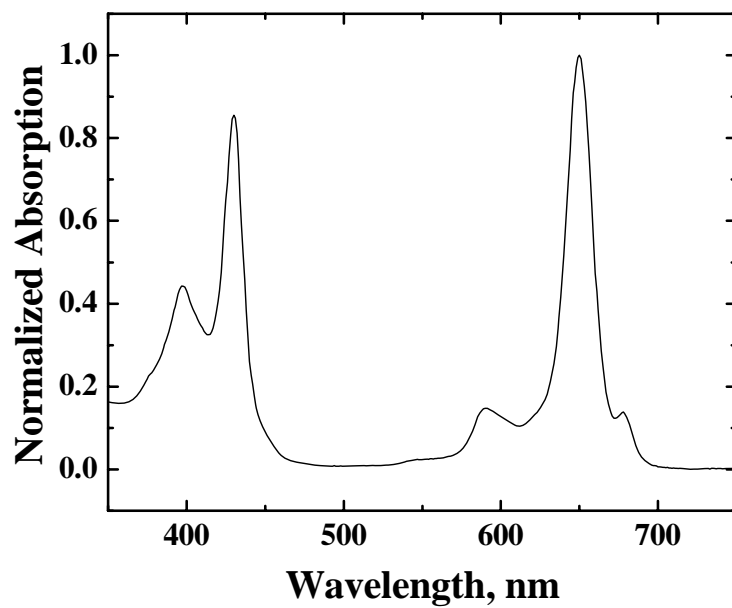


Fig. S3. Absorption spectrum of zinc 6,13-diaza-20,27-diphenyltetrabenzoporphyrin in chloroform.

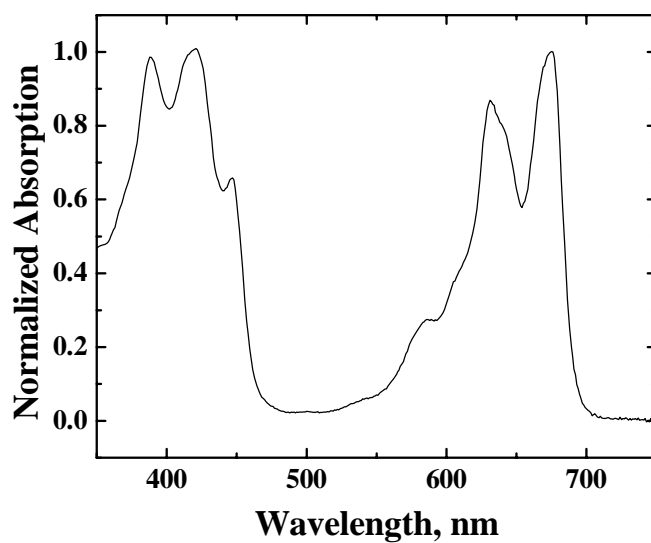


Fig. S4. Absorption spectrum of 6,13-diaza-20,27-diphenyltetrabenzoporphyrin in chloroform.

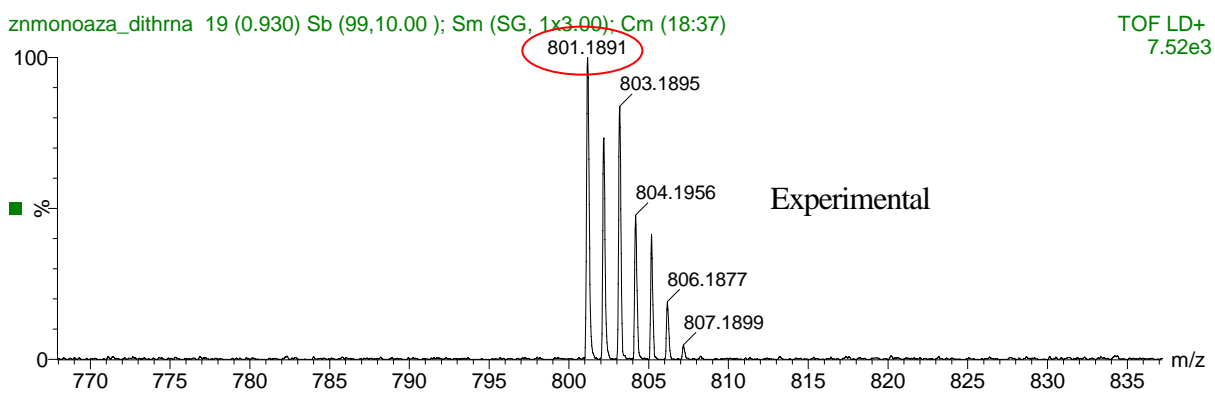
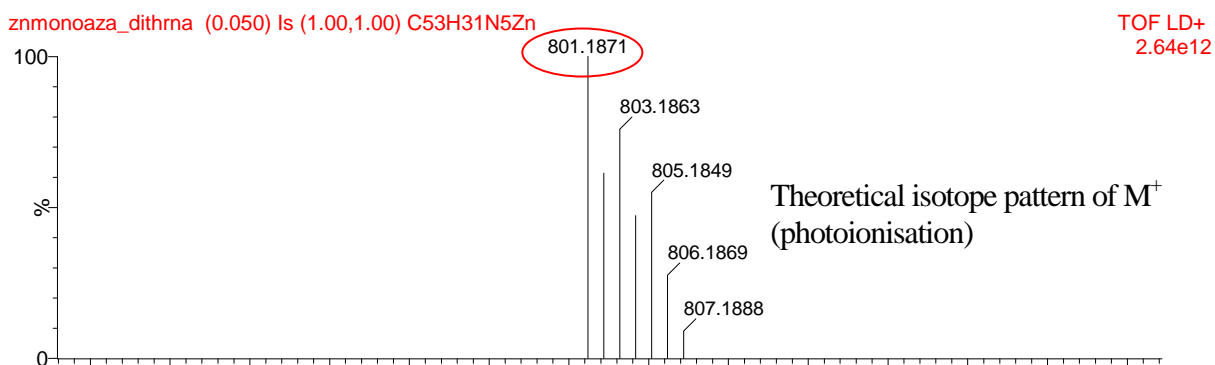
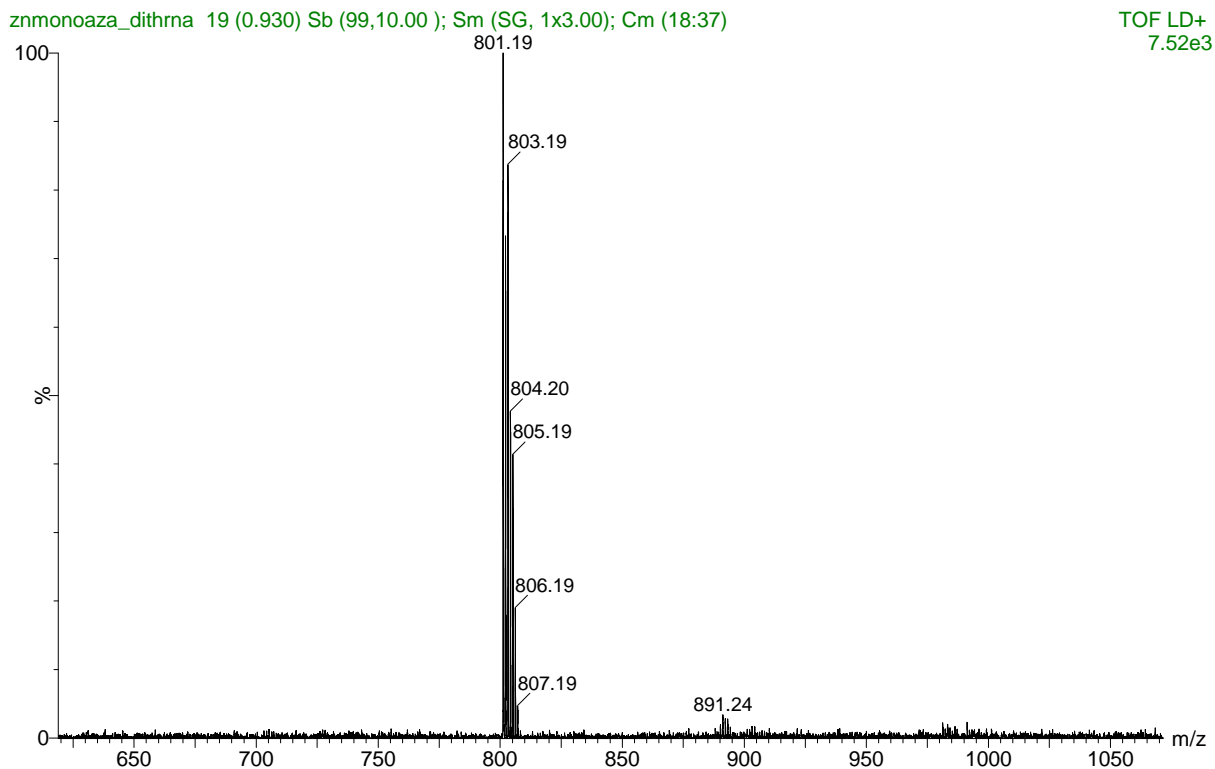


Fig. S5. MALDI-TOF mass spectrum of zinc 6-aza-13,20,27-triphenyltetraenzoporphyrin.

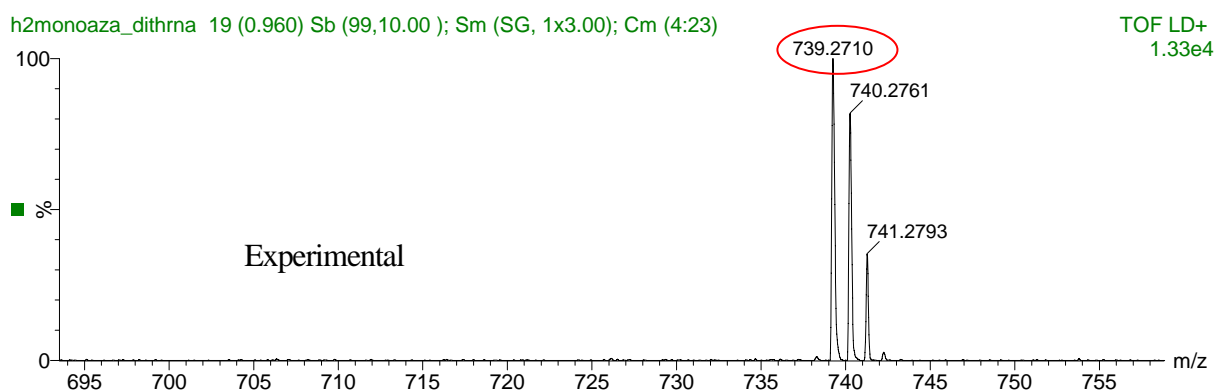
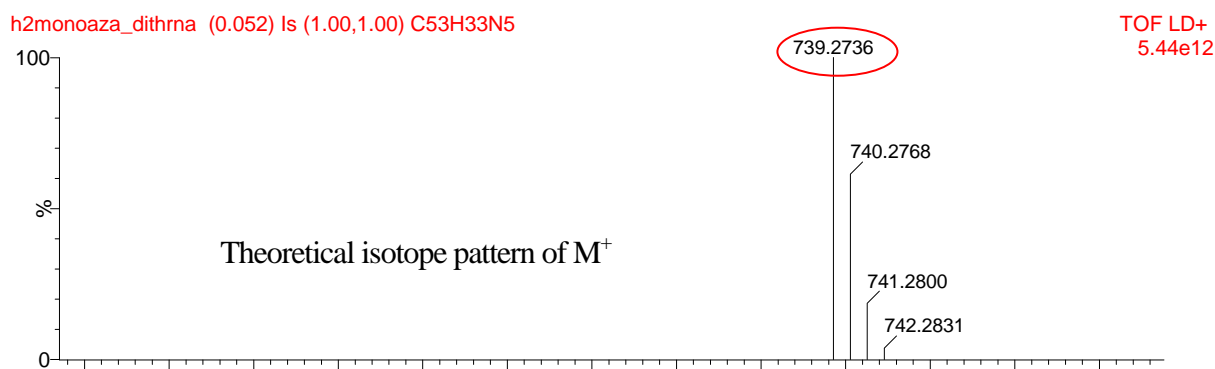
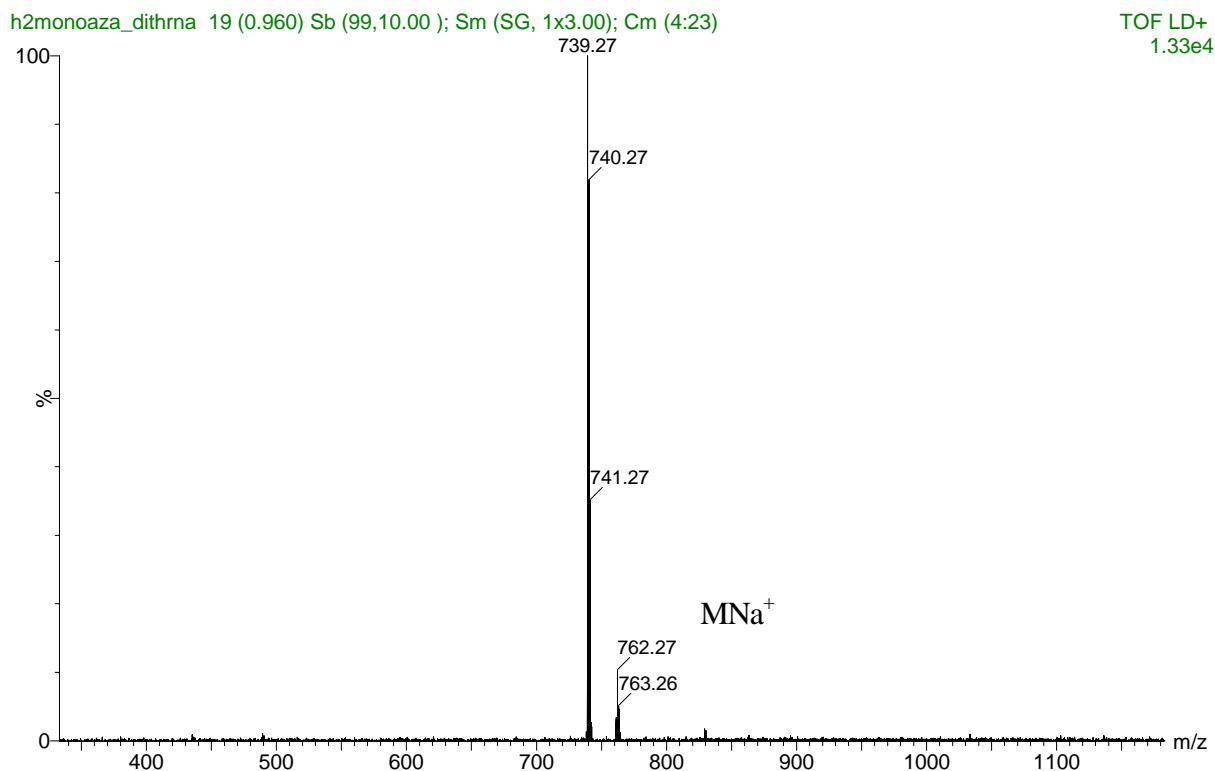


Fig. S6. MALDI-TOF mass spectrum of 6-aza-13,20,27-triphenyltetraenzoporphyrin.

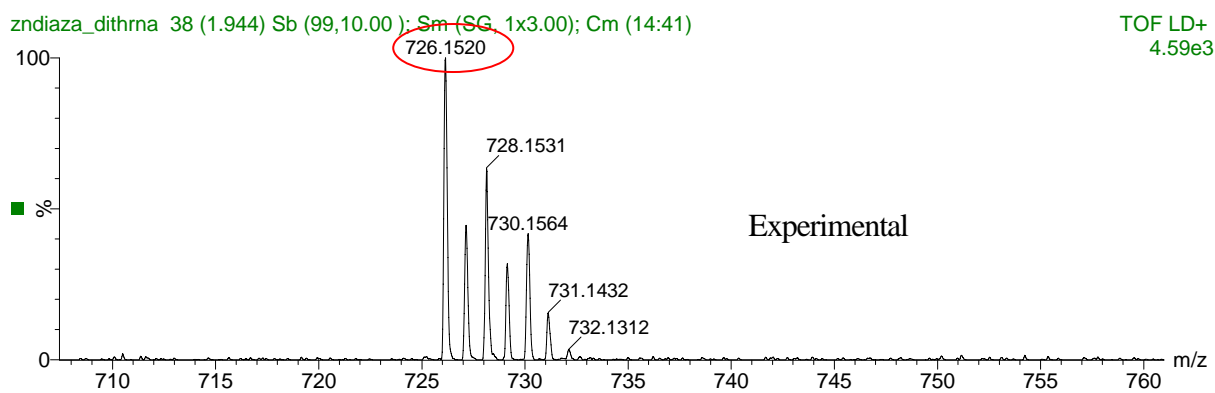
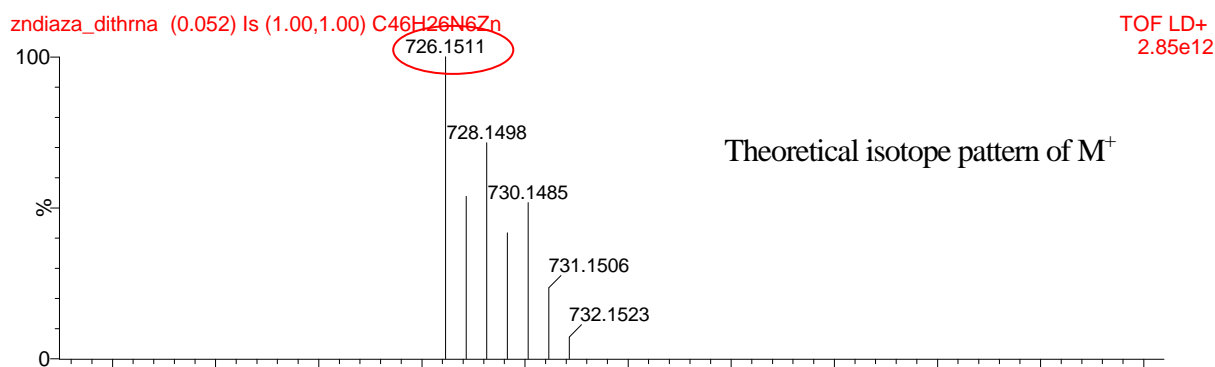
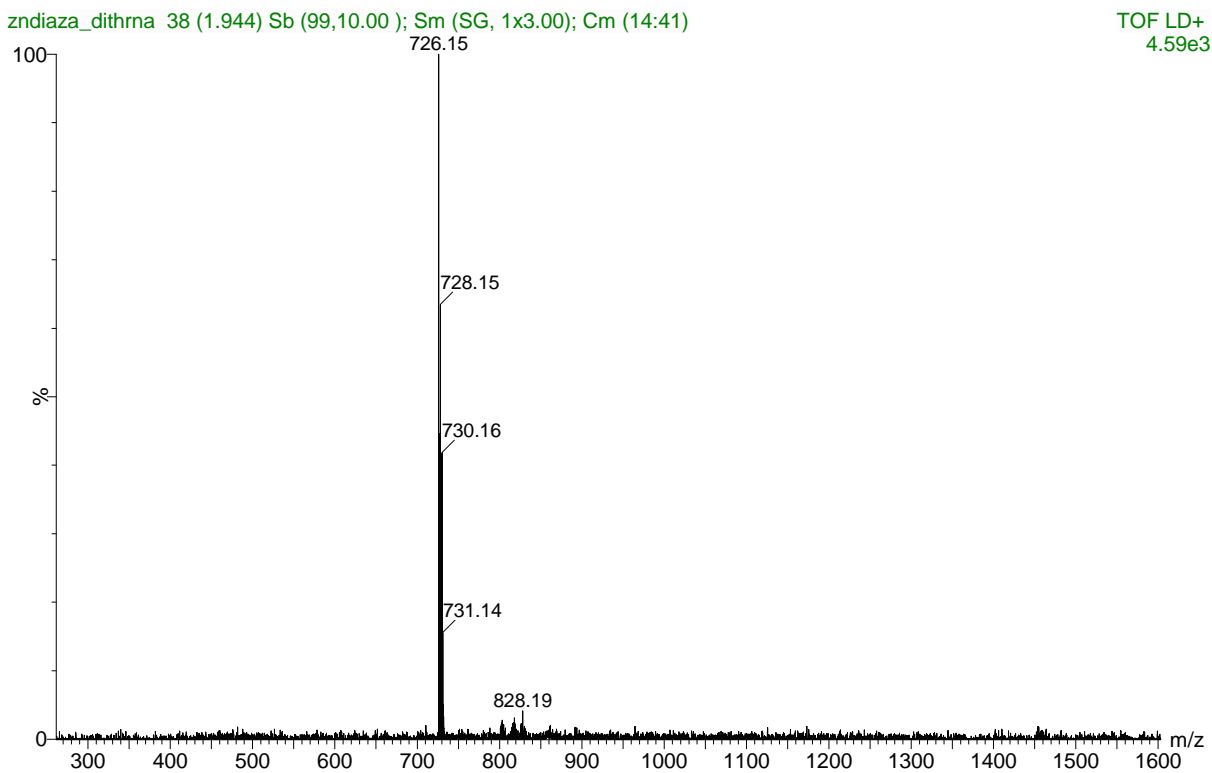


Fig. S7. MALDI-TOF mass spectrum of zinc 6,13-diaza-20,27-diphenyltetraenzoporphyrin

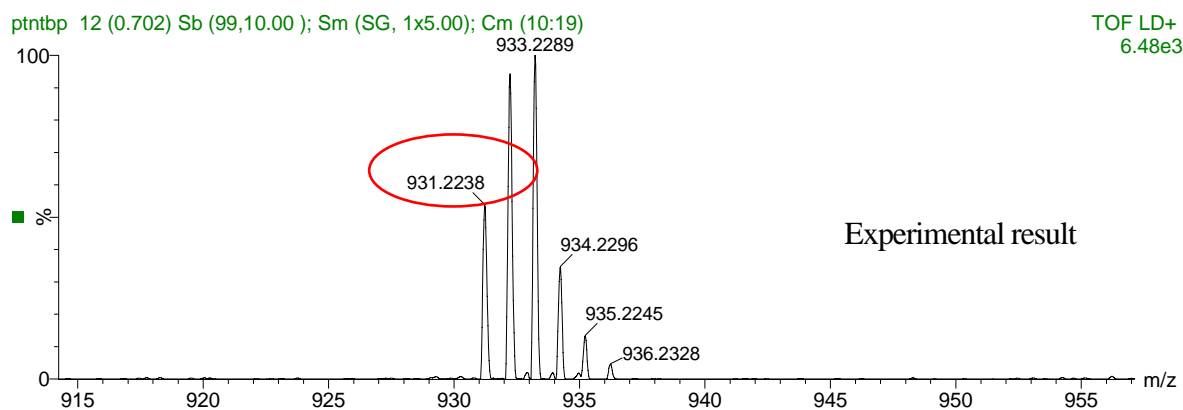
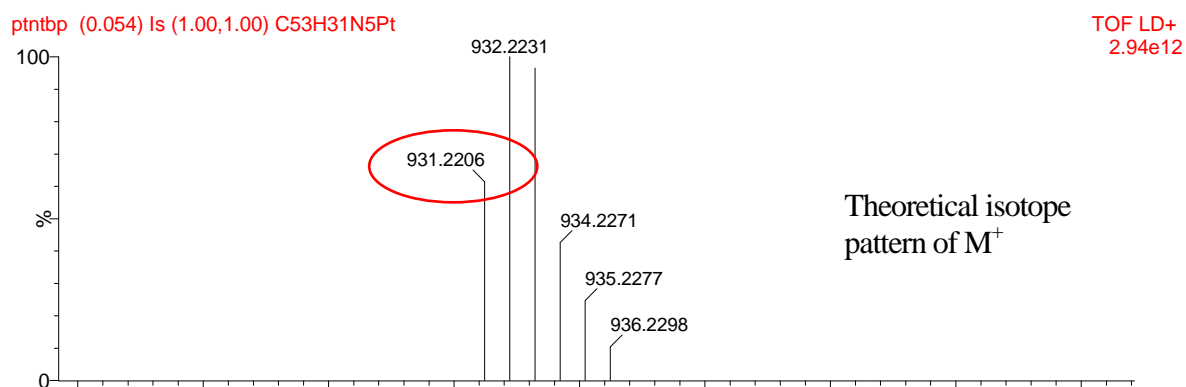
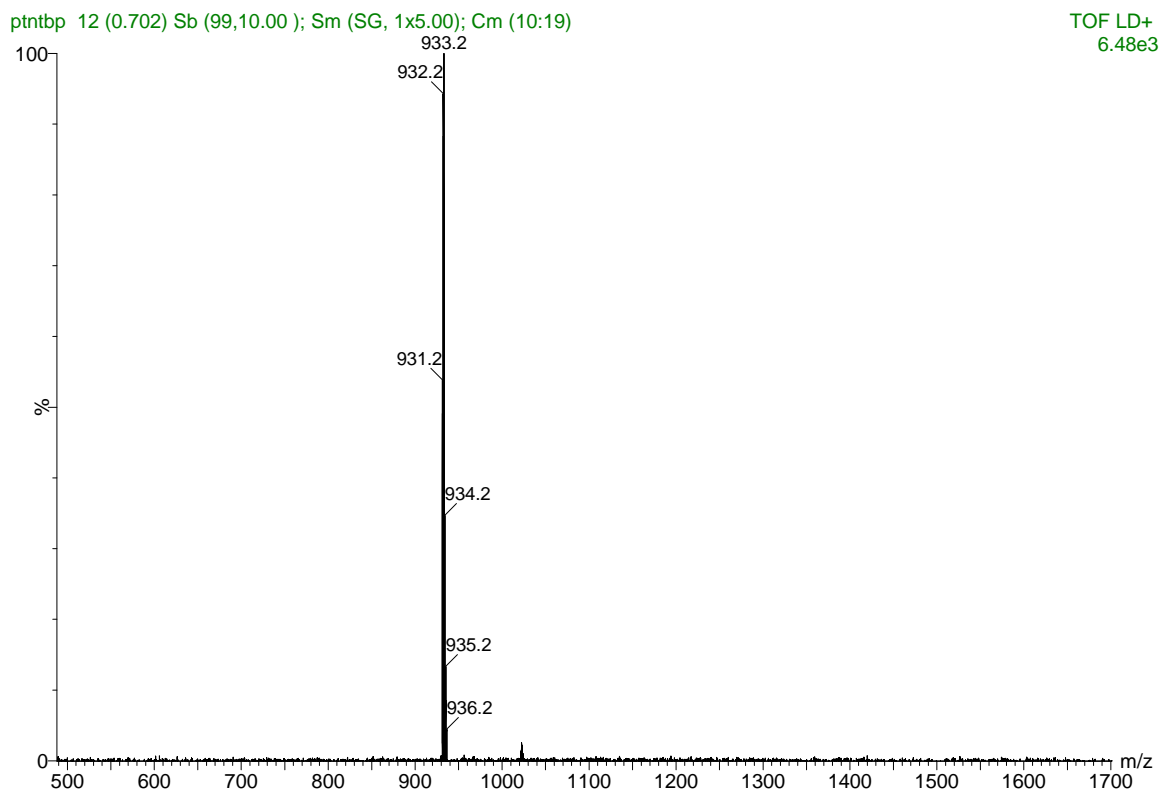


Fig. S8. MALDI-TOF mass spectrum of platinum(II) 6-aza-13,20,27-triphenyltetraenzoporphyrin.

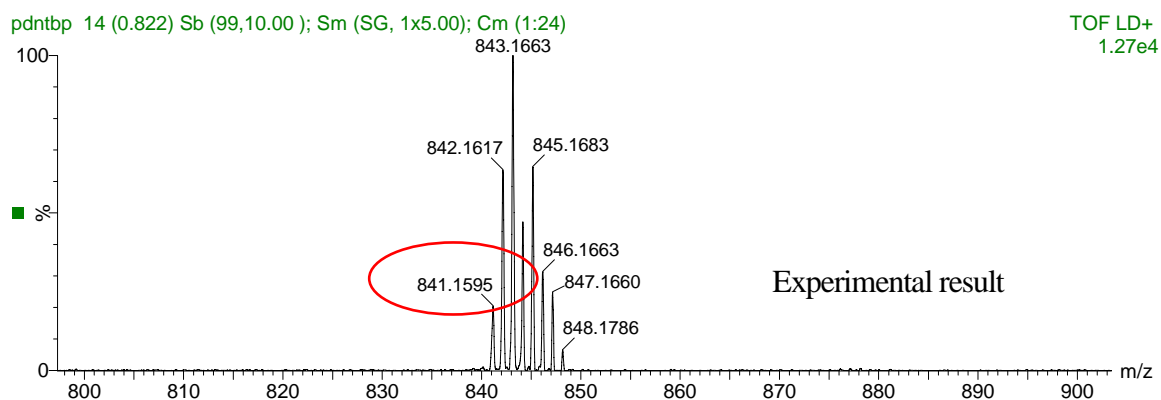
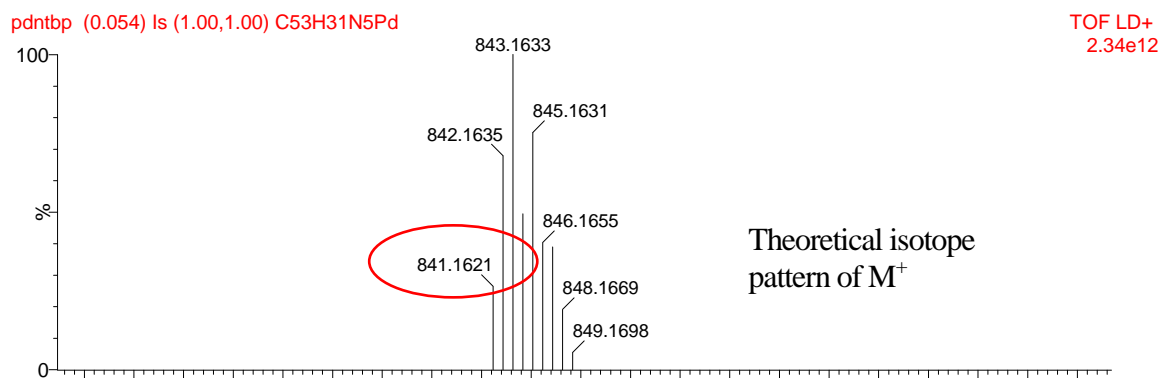
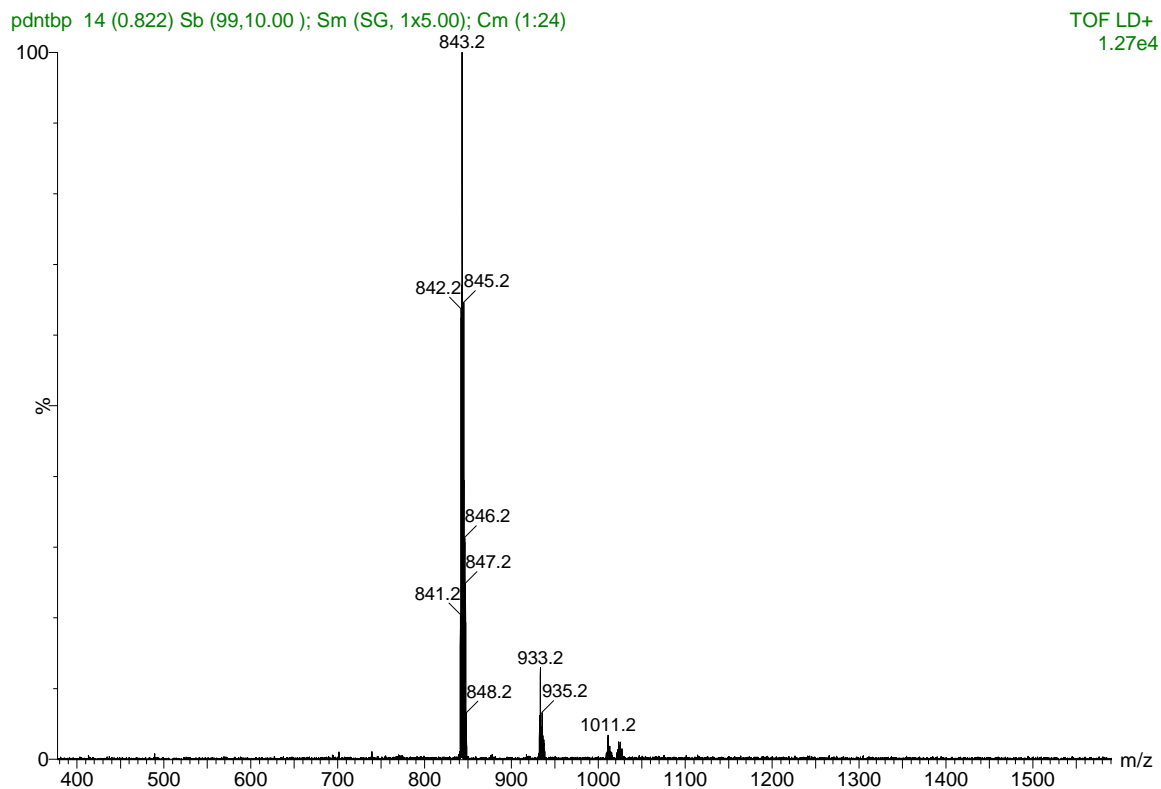


Fig. S9. MALDI-TOF mass spectrum of palladium(II) 6-aza-13,20,27-triphenyltetrabenzoporphyrin.

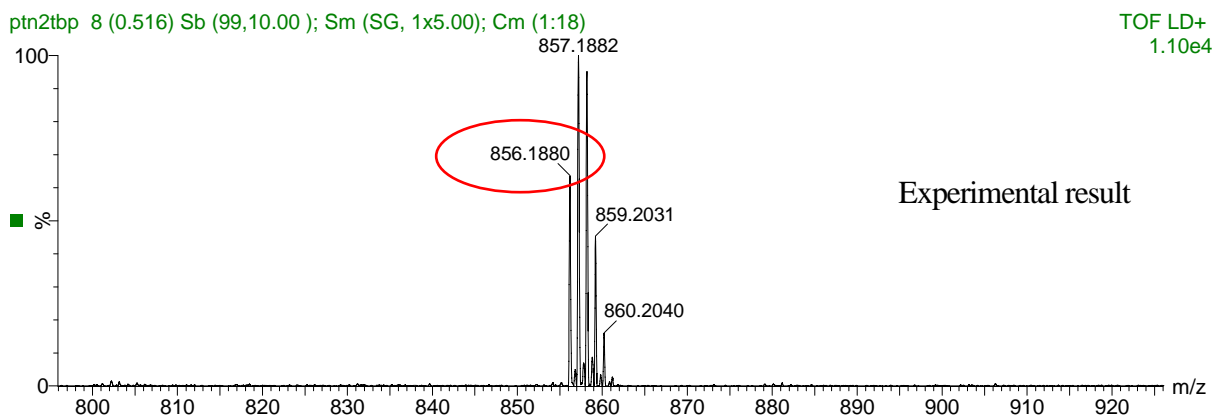
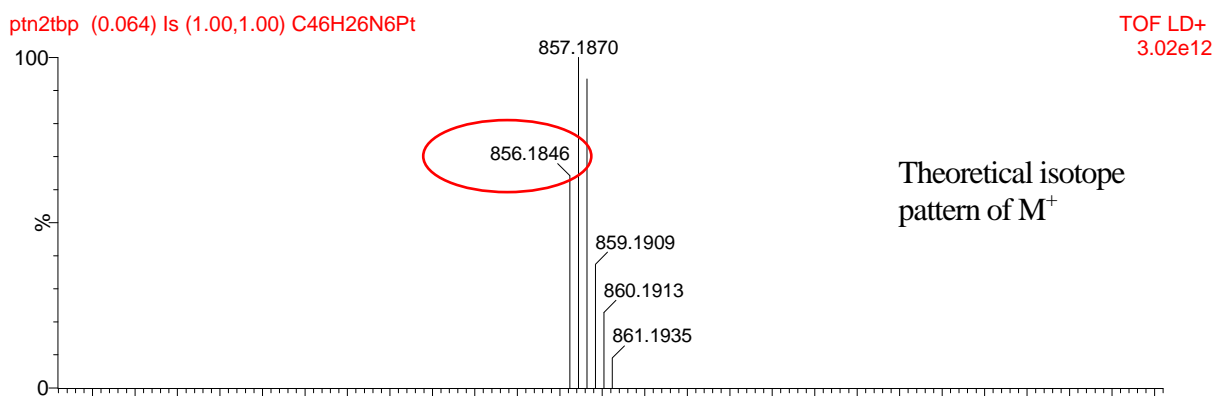
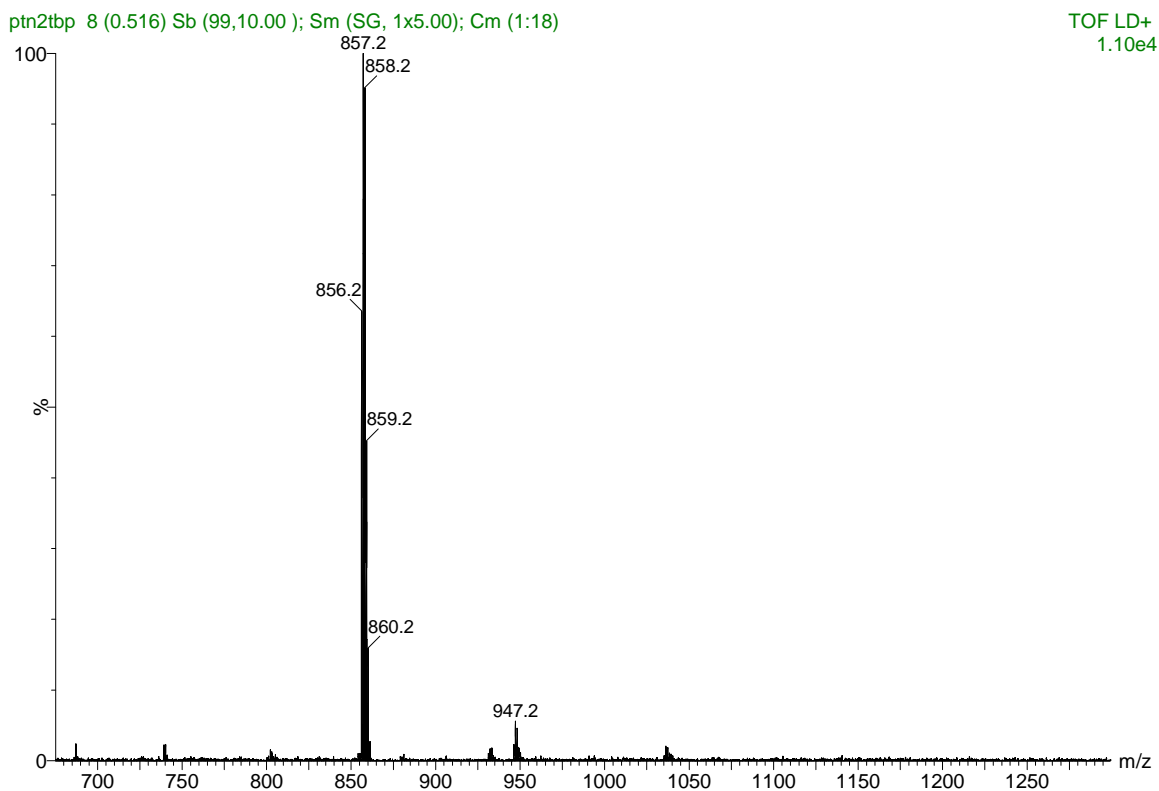


Fig. S10. MALDI-TOF mass spectrum of platinum(II) 6,13-diaza-20,27-diphenyltetraenzoporphyrin

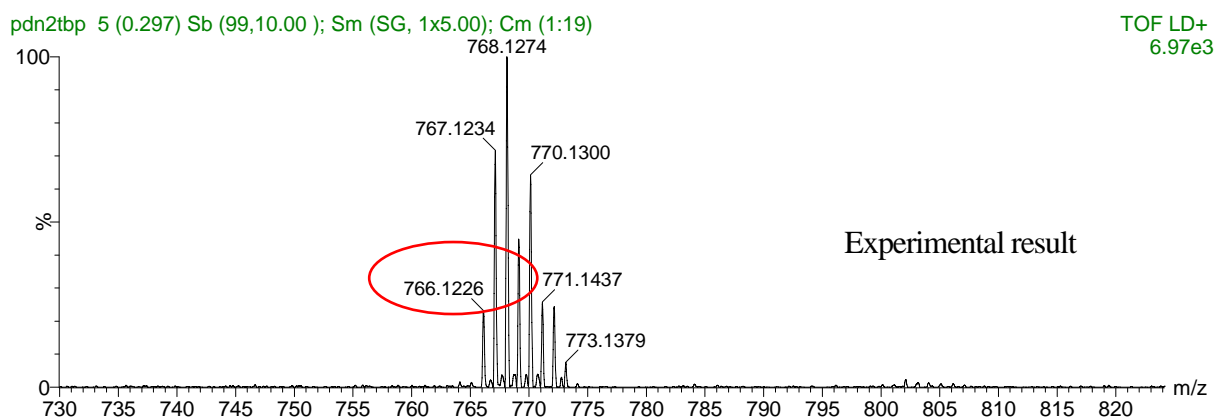
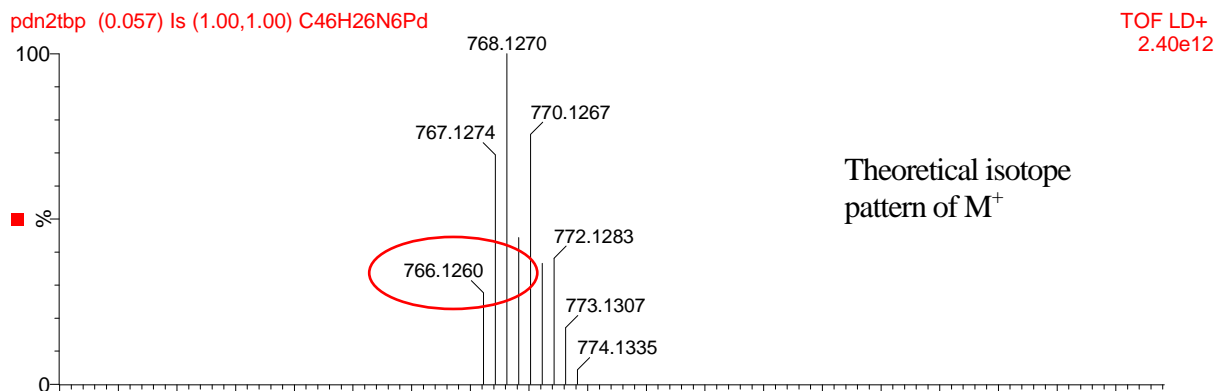
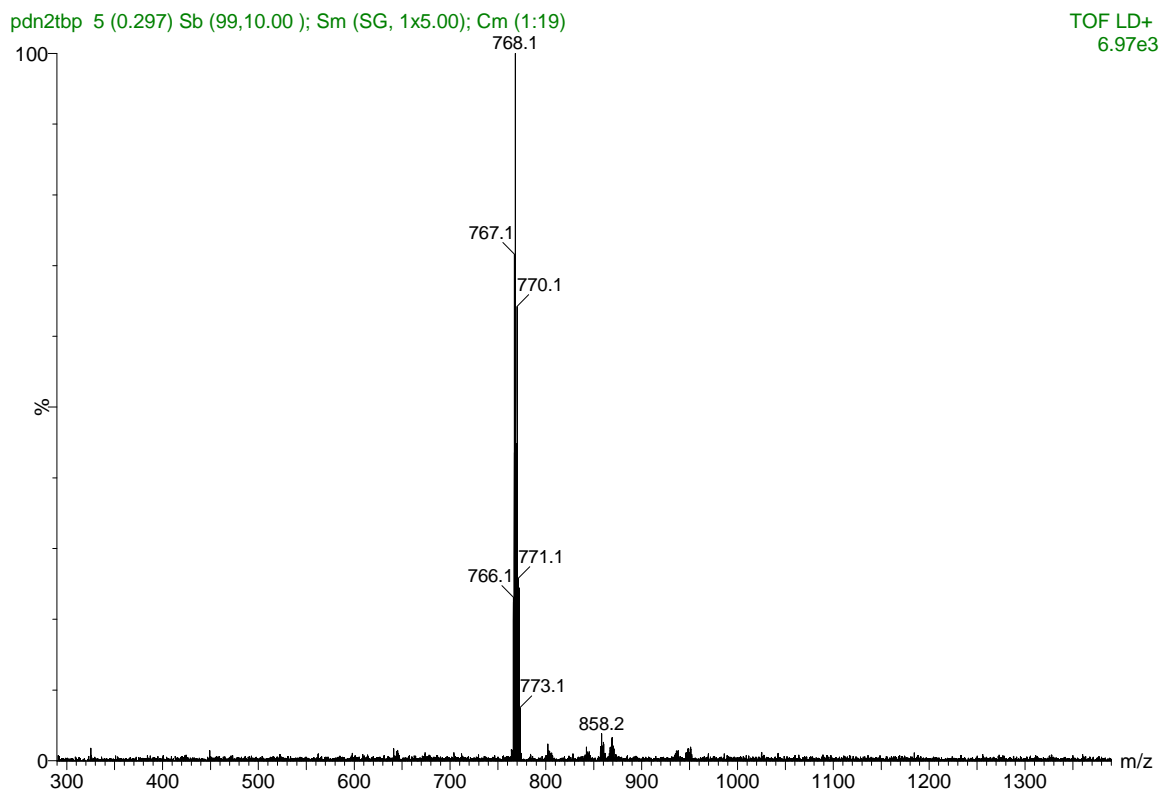


Fig. S11. MALDI-TOF mass spectrum of palladium(II) 6,13-diaza-20,27-diphenyltetraenzoporphyrin

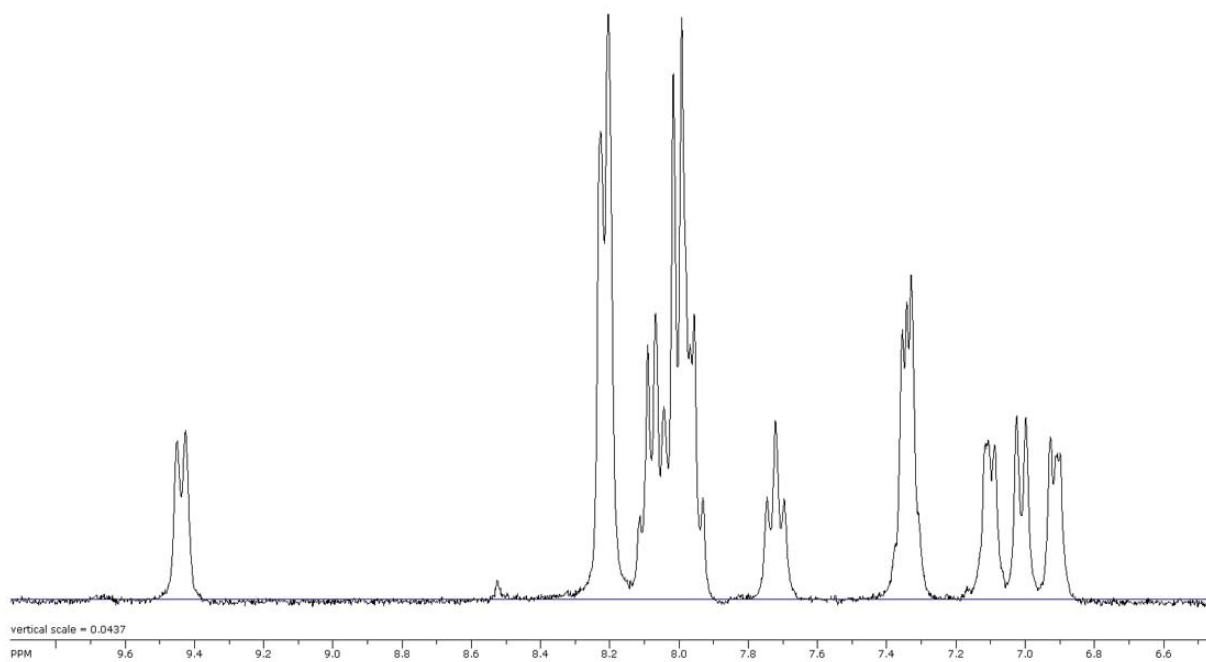


Fig. S12. ¹H NMR (300 MHz, DMSO-d₆) spectrum of 6-aza-13,20,27-triphenyltetraenzoporphyrin.

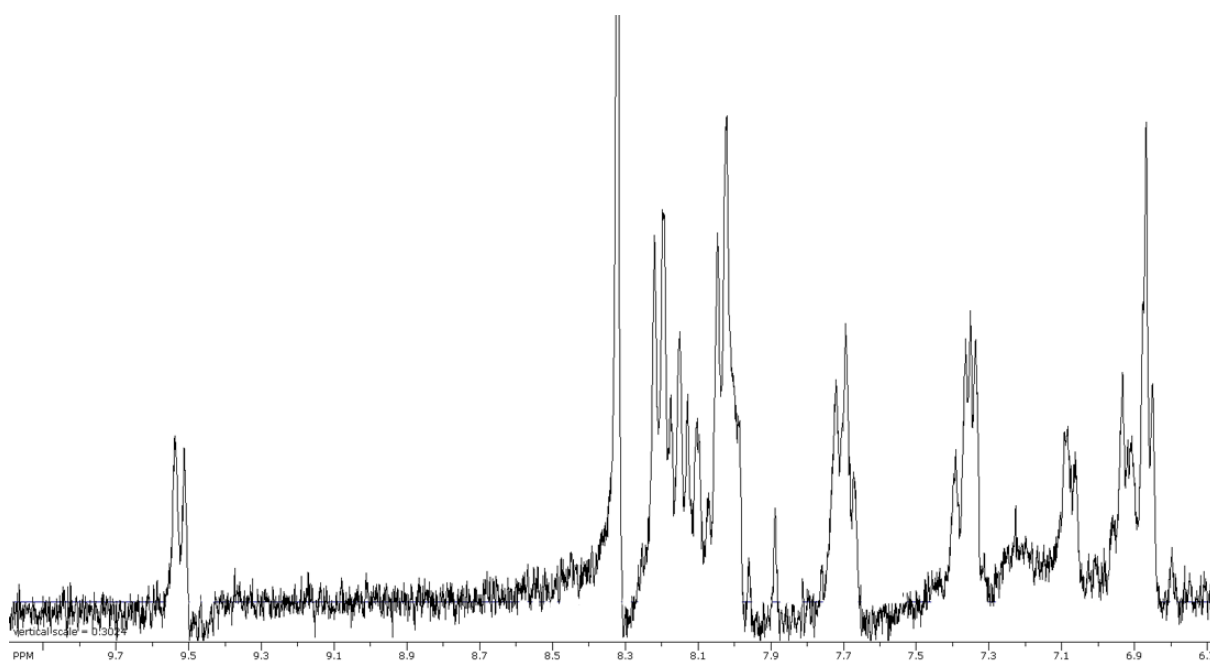


Fig. S13. ¹H NMR (300 MHz, DMSO-d₆) spectrum of platinum(II) 6-aza-13,20,27-triphenyltetraenzoporphyrin.

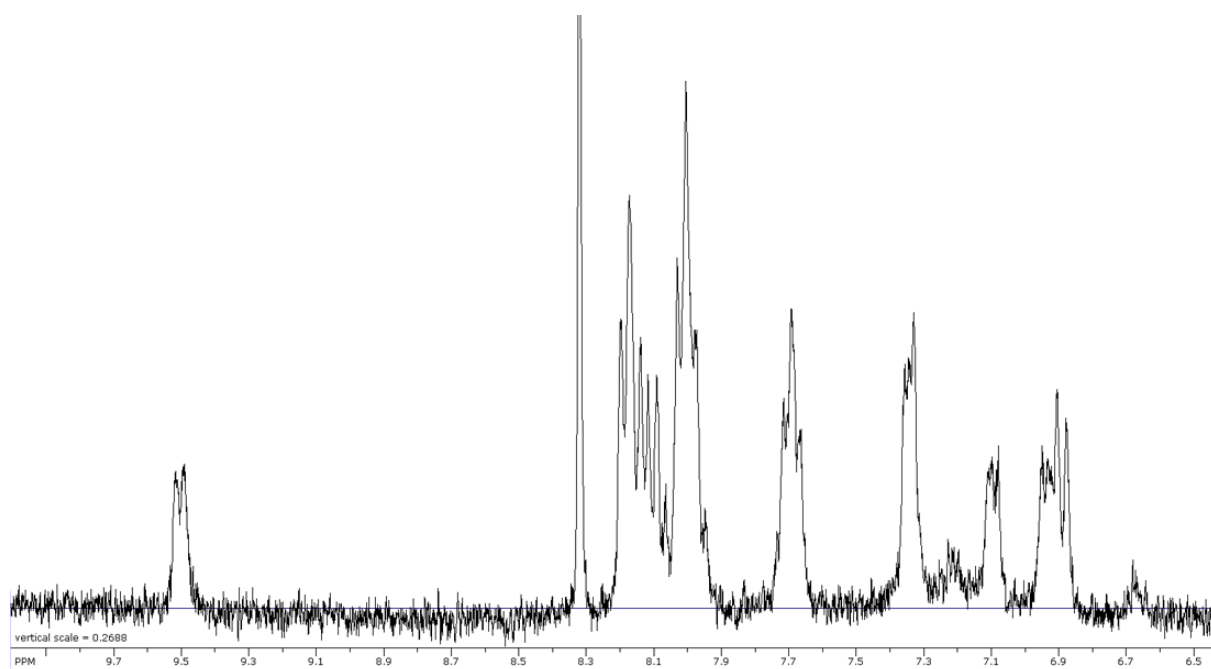


Fig. S14. ¹H NMR (300 MHz, DMSO-d₆) spectrum of palladium(II) 6-aza-13,20,27-triphenyltetraenzoporphyrin.

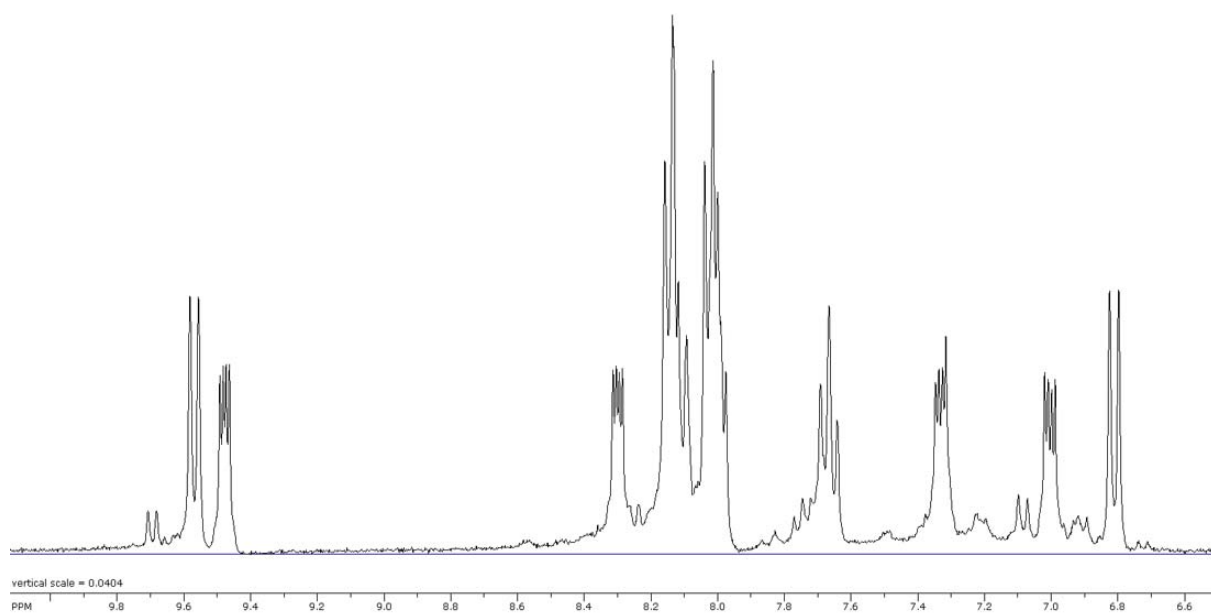


Fig. S15. ¹H NMR (300 MHz, DMSO-d₆) spectrum of zinc 6,13,-diaz-20,27-triphenyltetraenzoporphyrin.