

Supplementary Materials: Adsorption and Oxidation of Aromatic Amines on Metal(II) Hexacyanocobaltate(III) Complexes: Implication for Oligomerization of Exotic Aromatic Compounds

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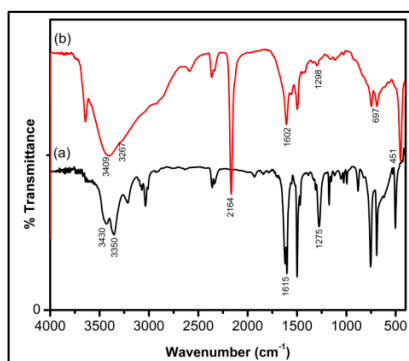


Figure S1: FT-IR spectra of aniline before (a) and after (b) interaction with zinc hexacyanocobaltate(III)

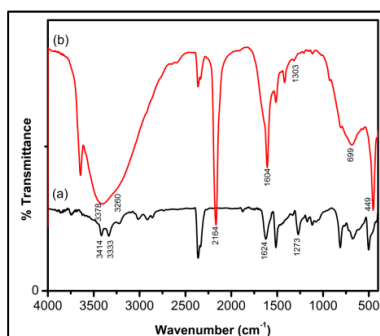


Figure S2: FT-IR spectra of 4-methylaniline before (a) and after (b) interaction with zinc hexacyanocobaltate(III)

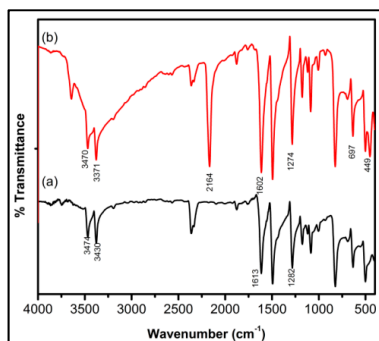
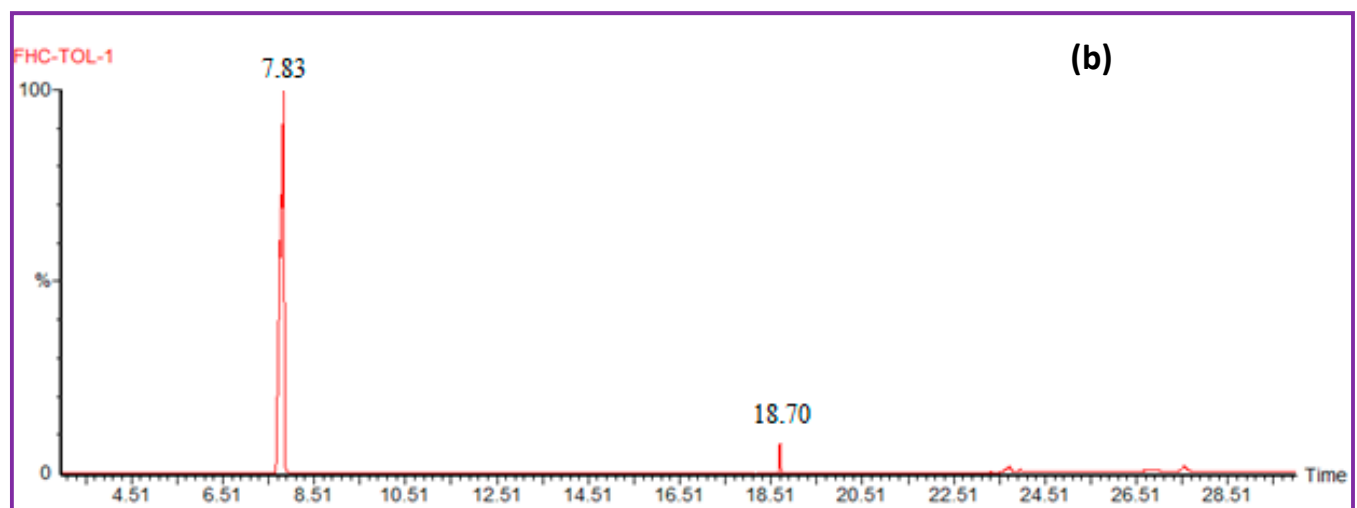
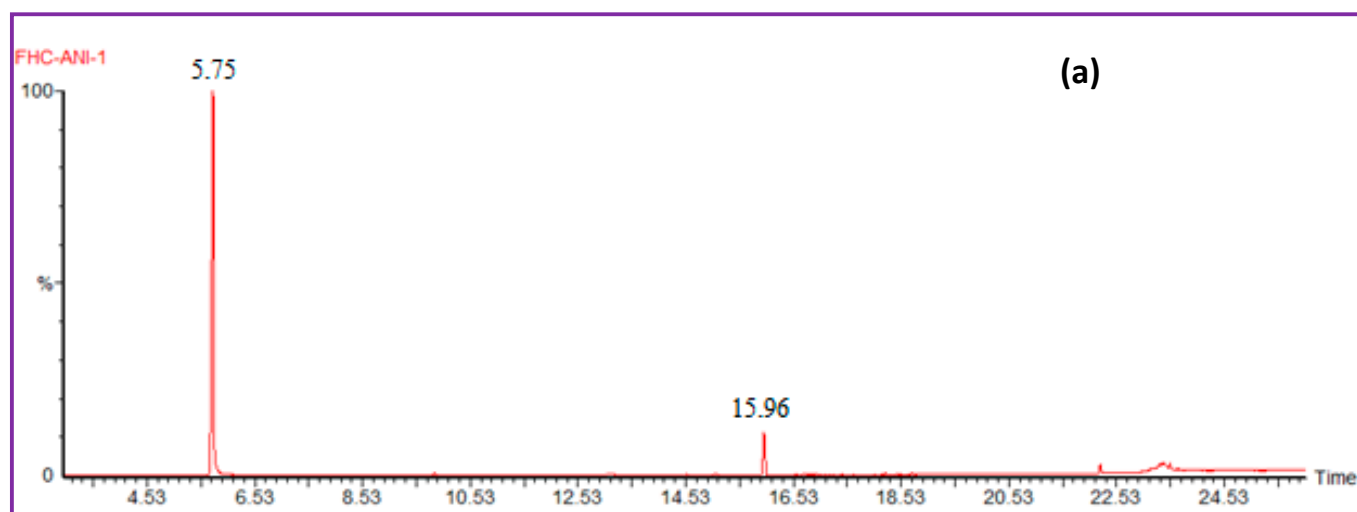


Figure S3: FT-IR spectra of 4-chloroaniline before (a) and after (b) interaction with zinc hexacyanocobaltate(III)



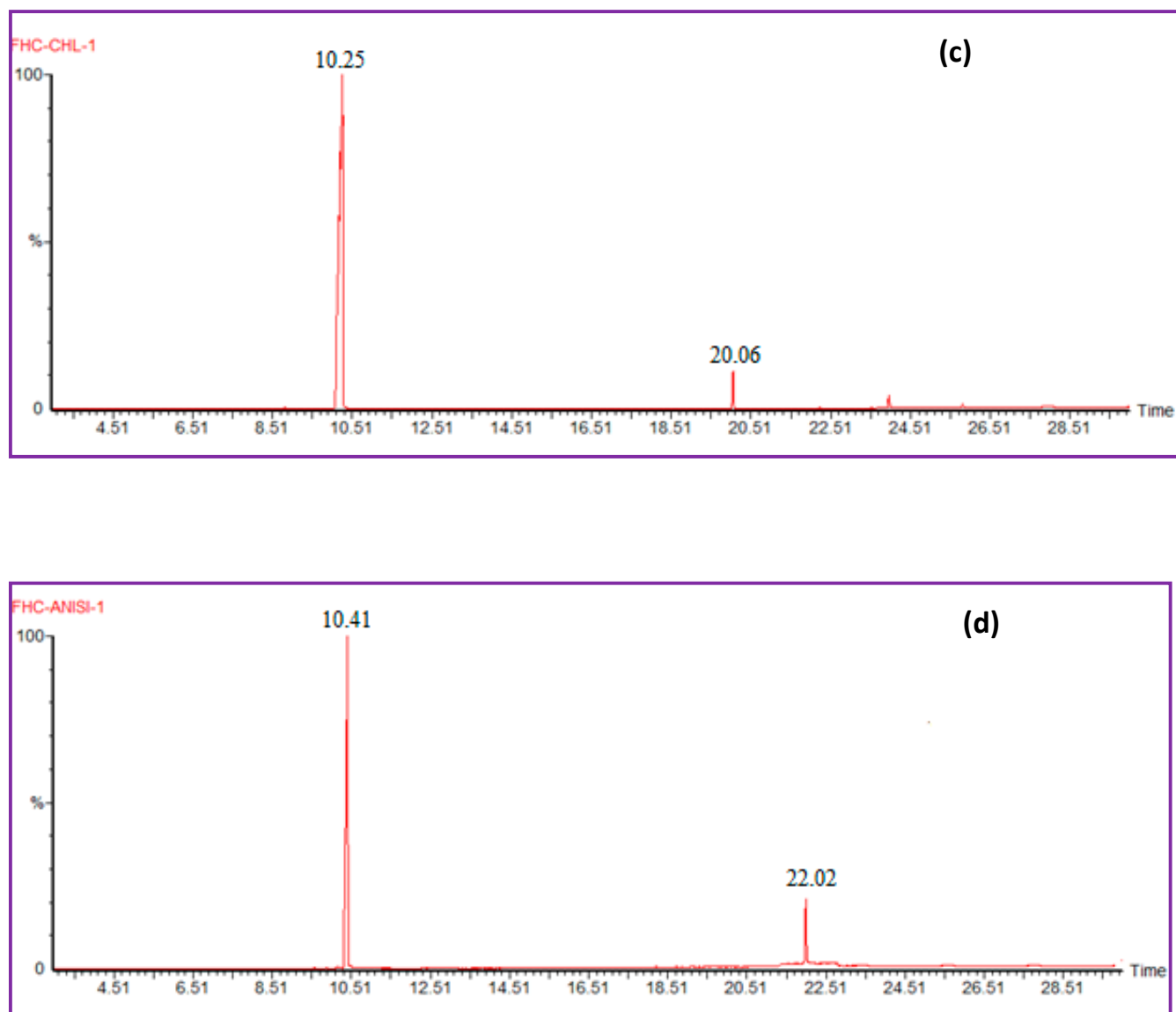
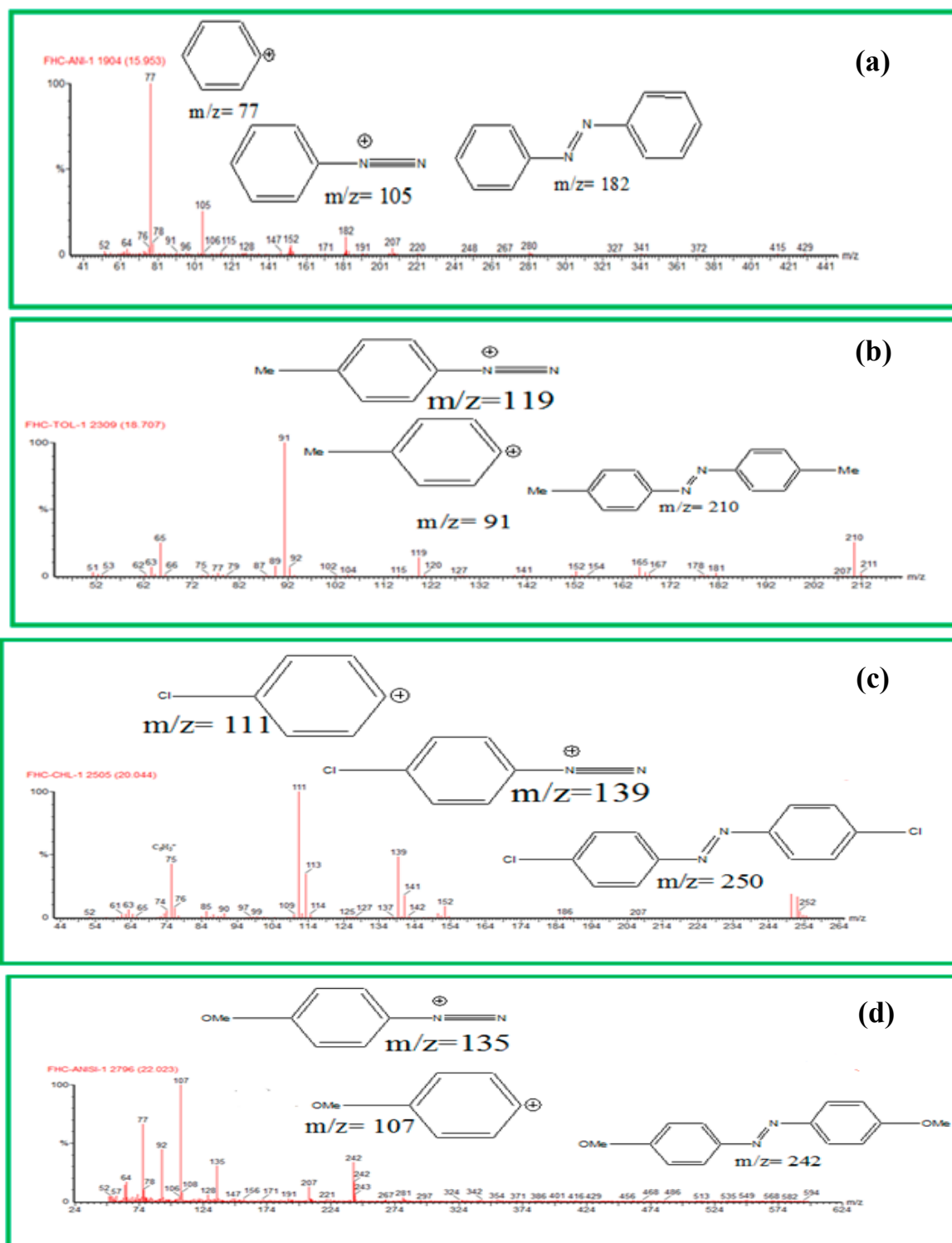


Figure S4: Chromatogram of reaction products of (a) aniline, (b) 4-methylaniline, (c) 4-chloroaniline and (d) 4-methoxyaniline with FeHCCo.



FigureS5: Mass spectra of reaction products of (a) aniline, (b) 4-methylaniline, (c) 4-chloroaniline and (d) 4-methoxyaniline with FeHCCo.

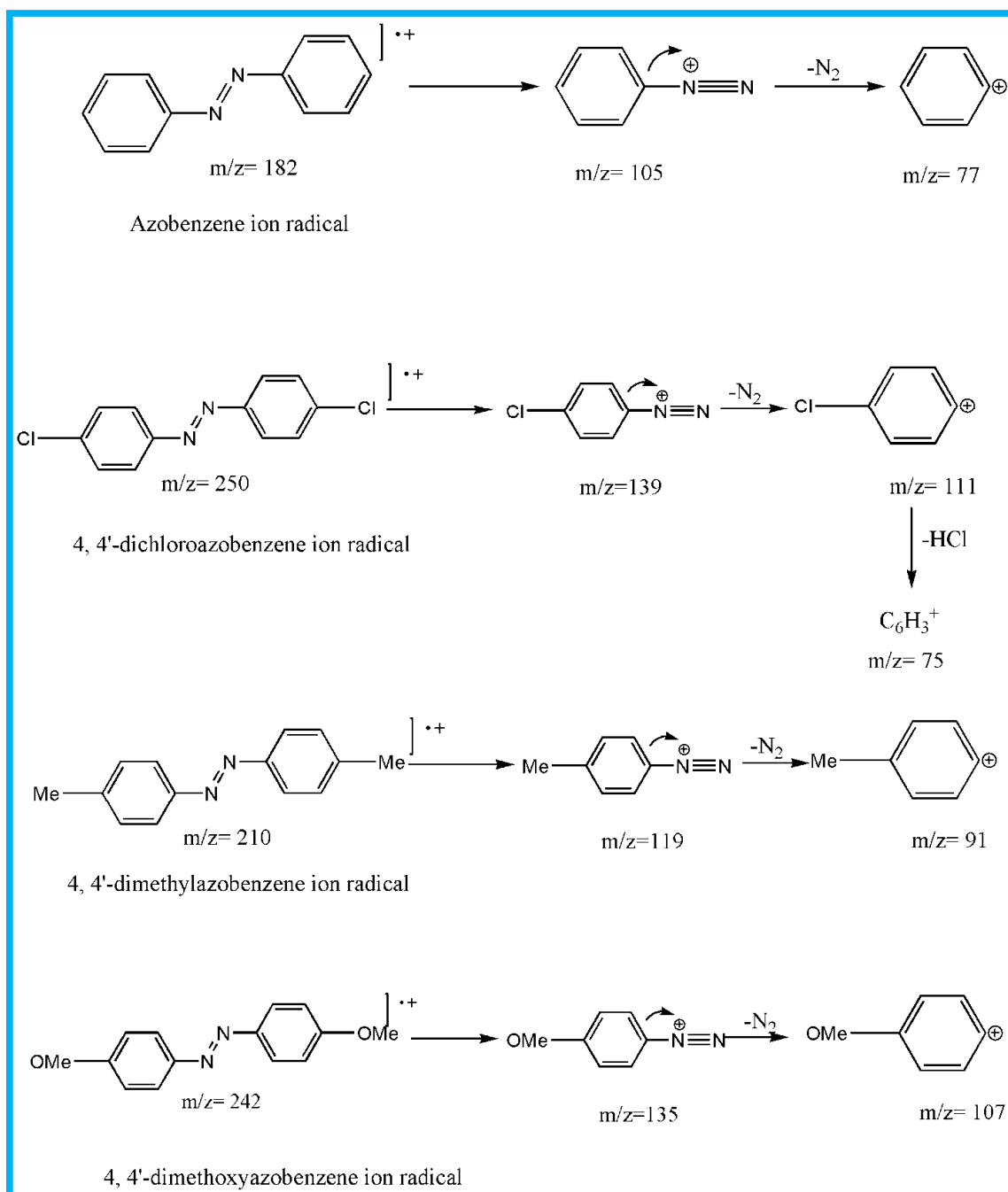


Figure S6: Schematic mechanism of the fragmentation pattern for the detected dimers.

Table S1: Characteristic IR frequencies of Metal hexacyanocobaltates

MHCCos	$\nu_{C\equiv N}$	ν_{M-C}	ν_{M-CN}	ν_{O-H}
NiHCCO	2179	462	697	1610
MnHCCO	2168	447	705	1609
FeHCCO	2166	454	696	1608