

Supplementary Information

Regioselective nitration of aromatic compounds in an aqueous sodium dodecylsulfate and nitric acid medium

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1. $^1\text{H-NMR}$ Spectra:

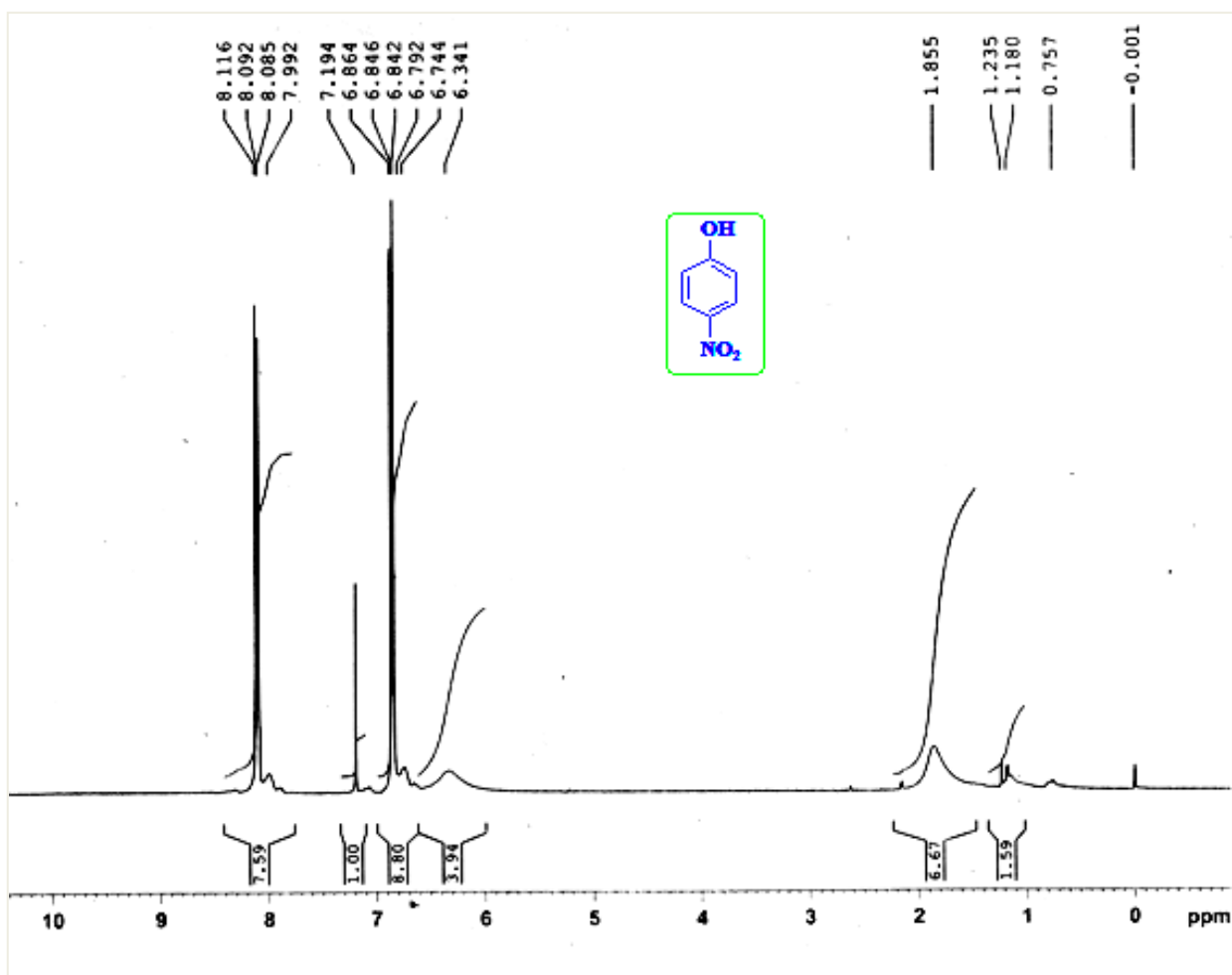


Fig. S1: $^1\text{H-NMR}$ spectrum of 4-nitrophenol

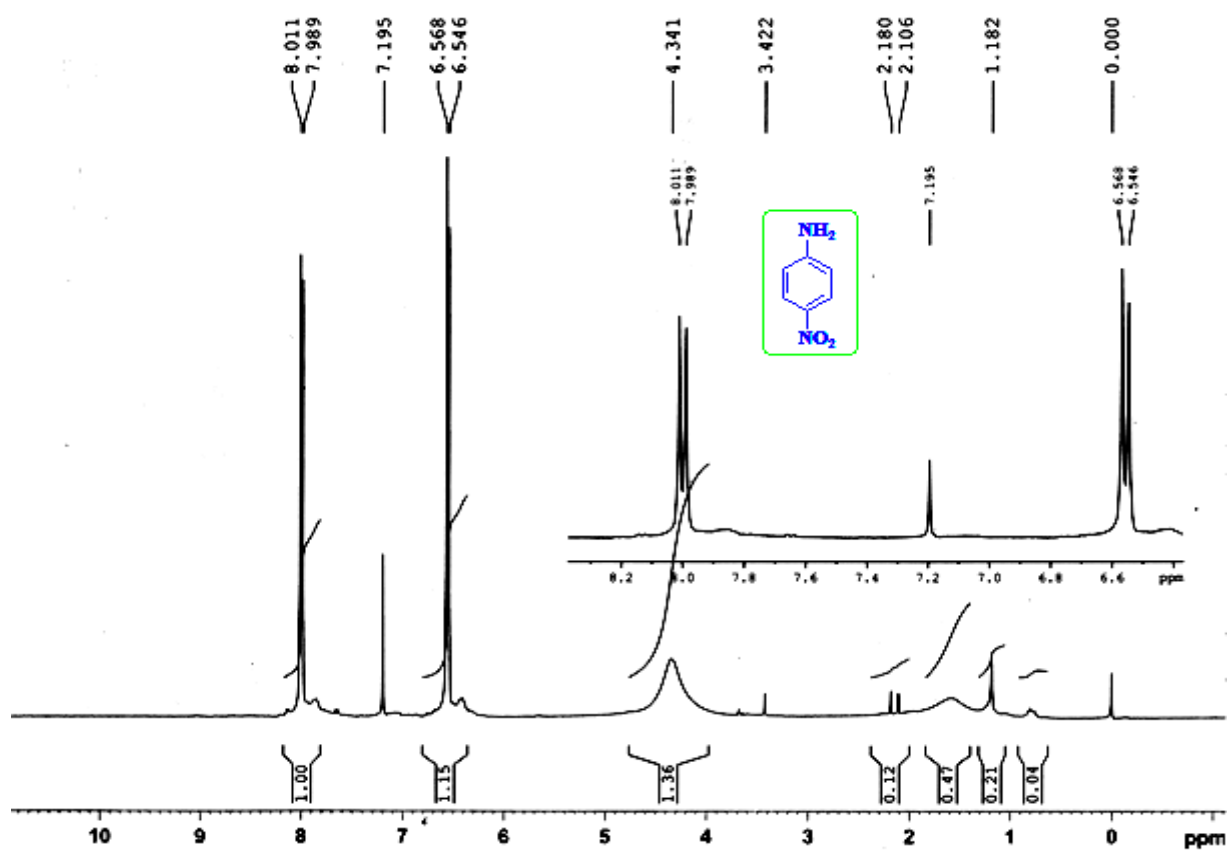


Fig. S2: ¹H-NMR spectrum of 4-nitroaniline

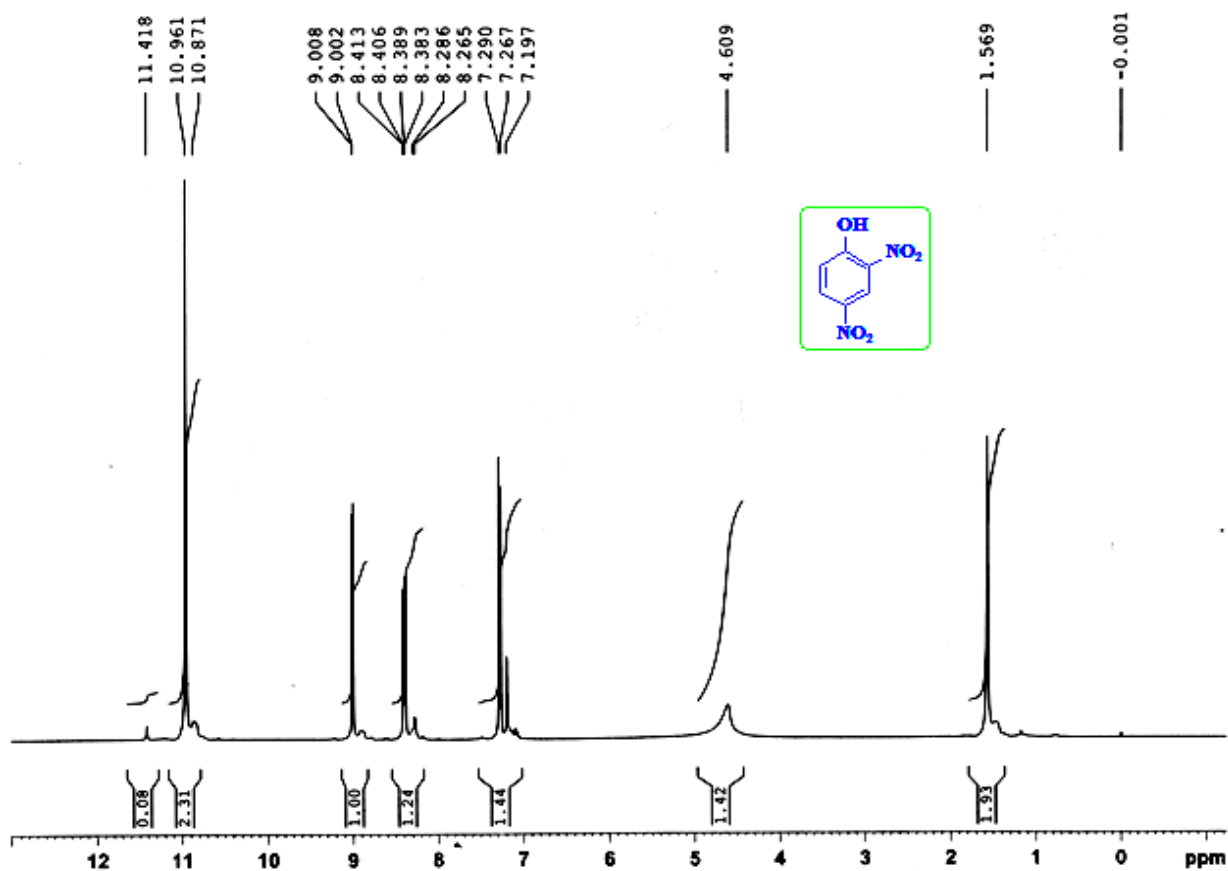


Fig. S3: ¹H-NMR spectrum of 2,4-dinitrophenol

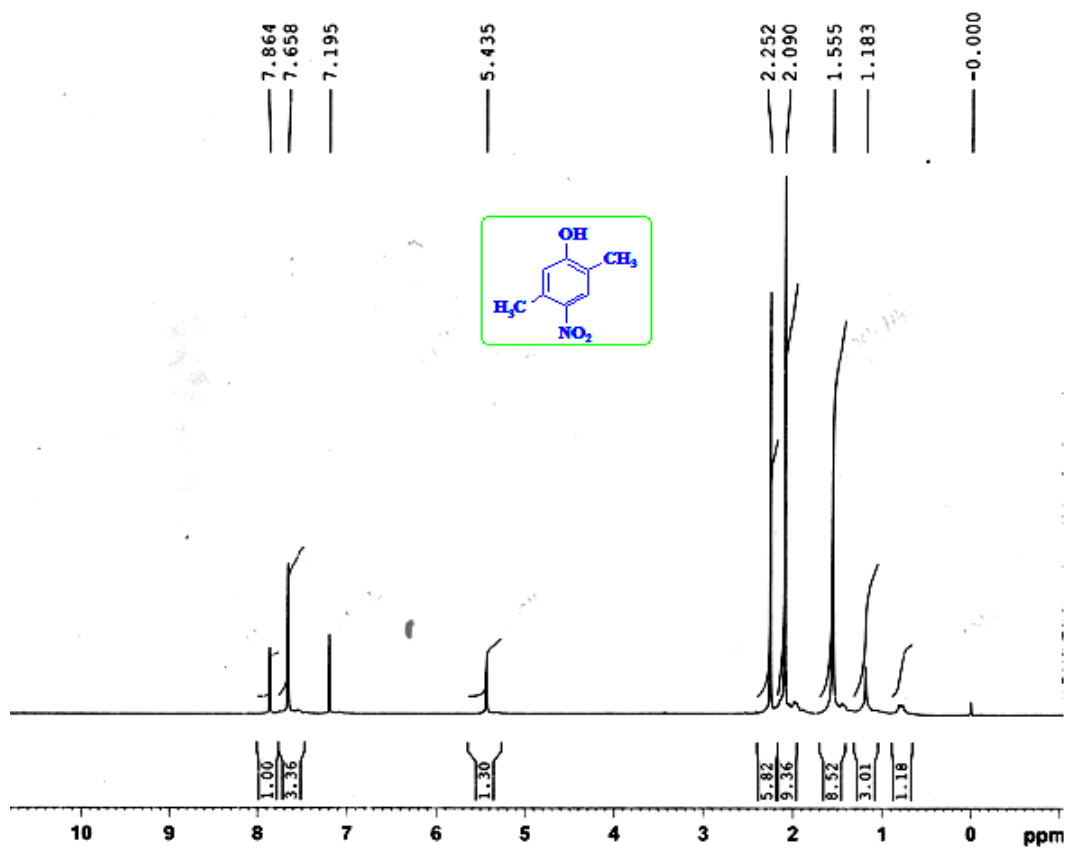


Fig. S4: ¹H-NMR spectrum of 2,5-dimethyl-4-nitrophenol

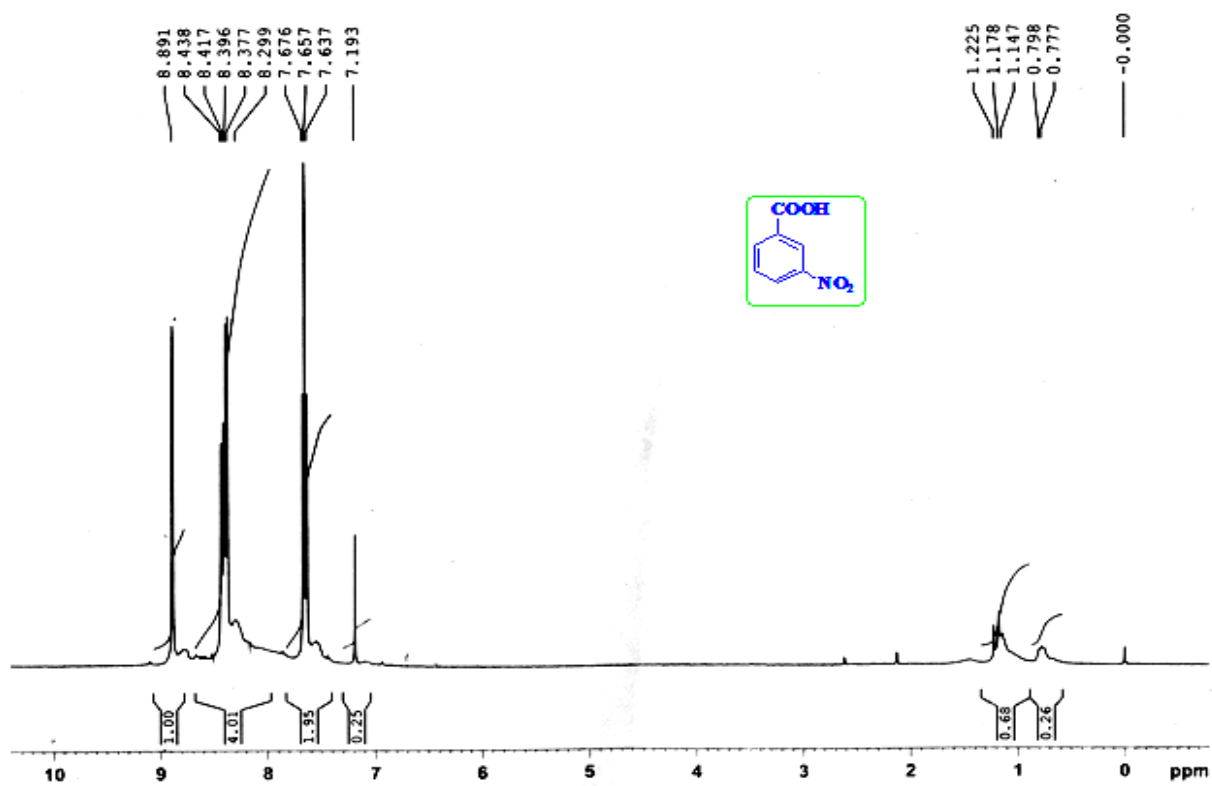


Fig. S5: ¹H-NMR spectrum of 3-nitrobenzoic acid

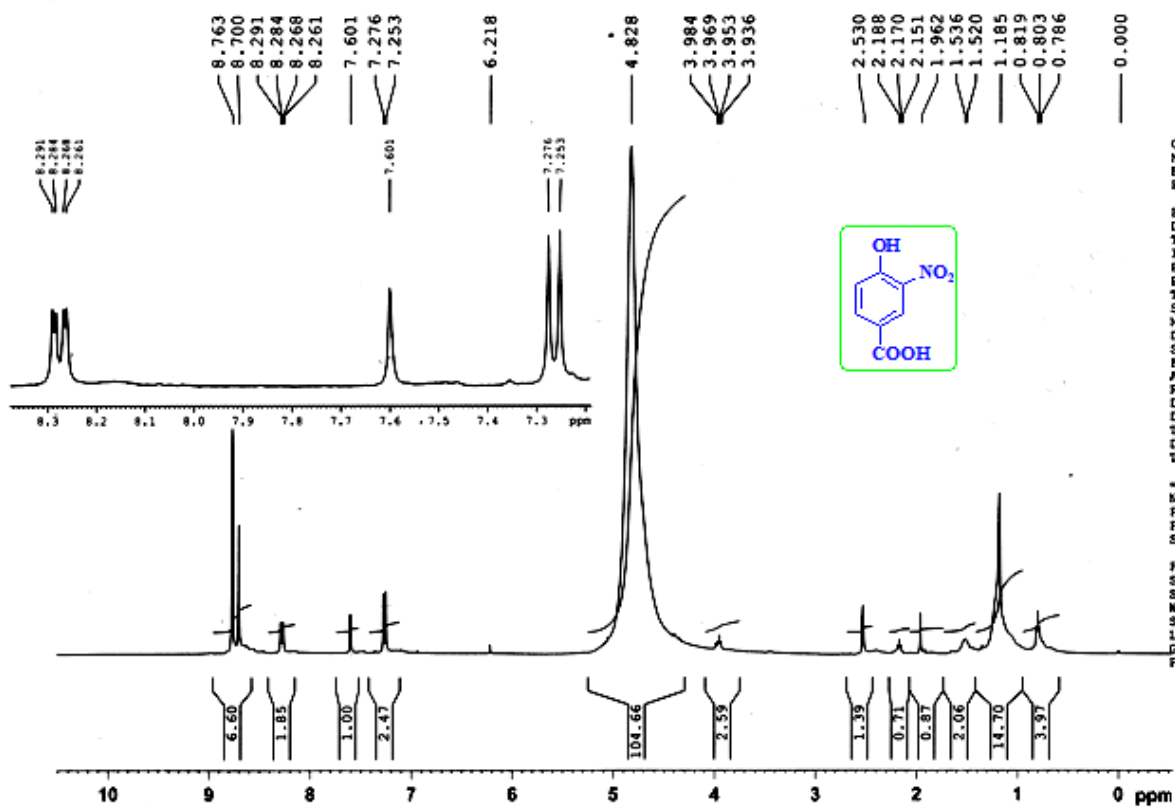


Fig. S6: ¹H-NMR spectrum of 4-hydroxy-3-nitrobenzoic acid

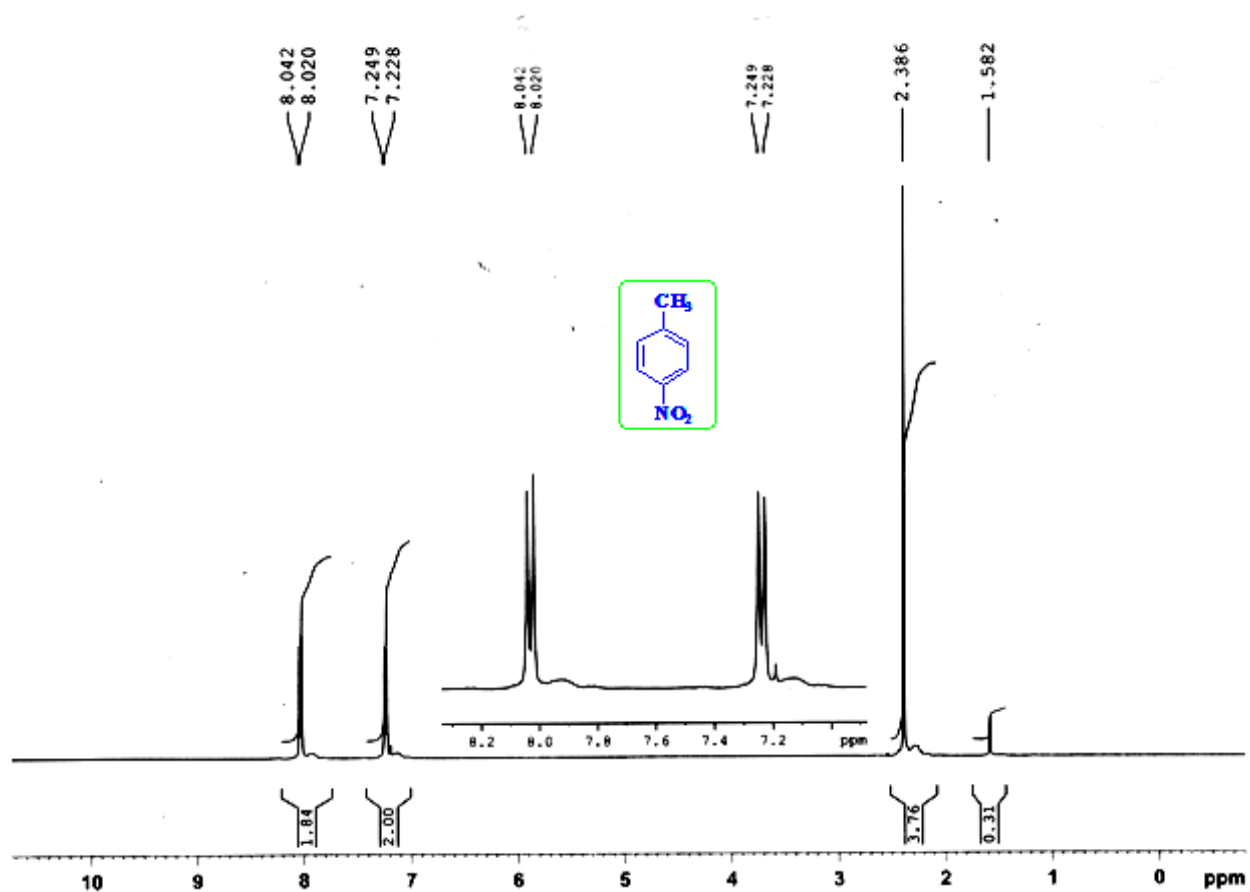


Fig. S7: ¹H-NMR spectrum of 4-nitrotoluene

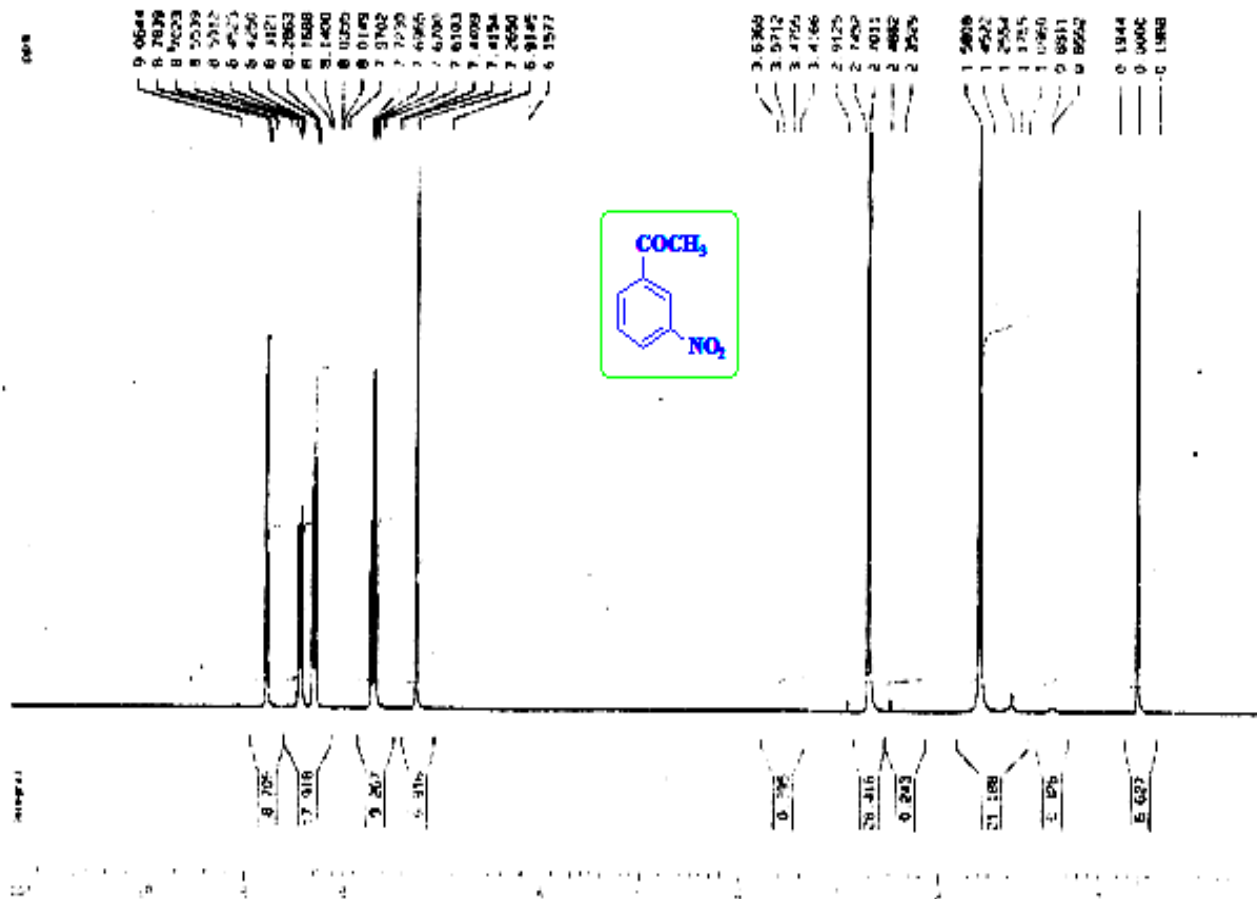


Fig. S8: ¹H-NMR spectrum of 3-nitroacetophenone

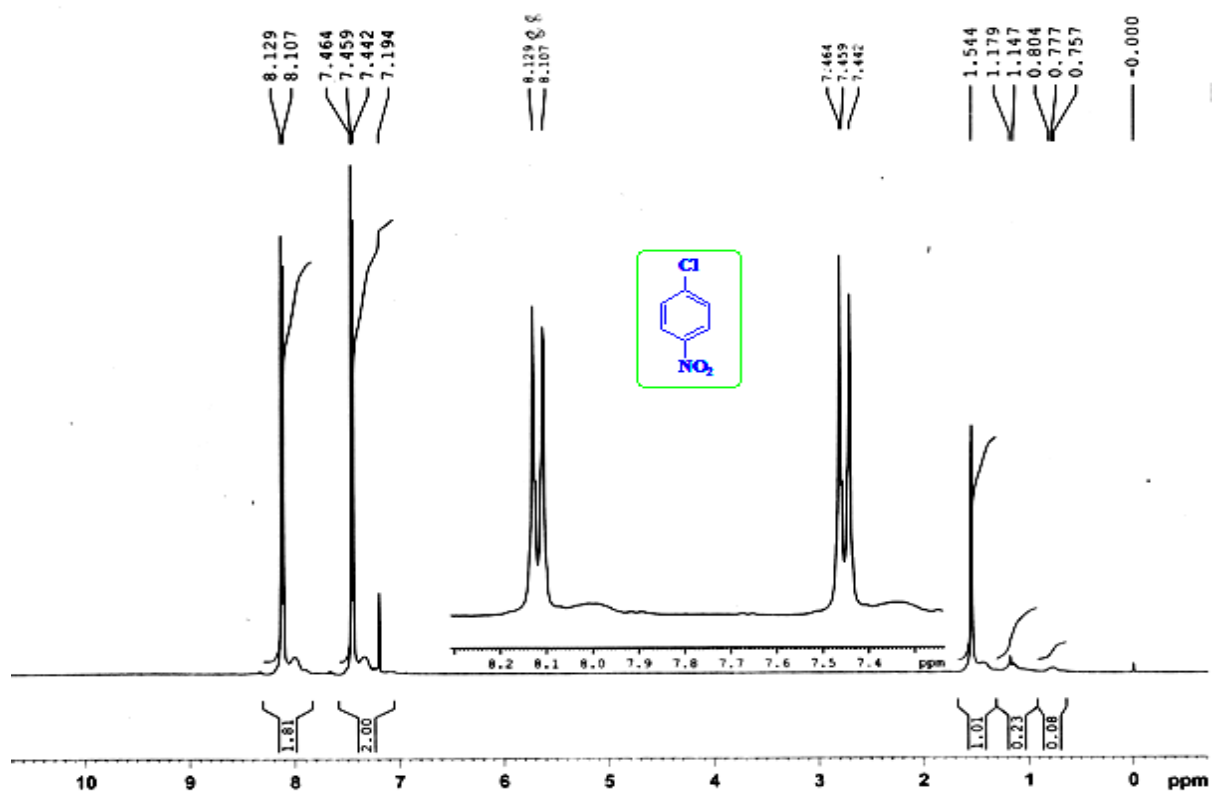
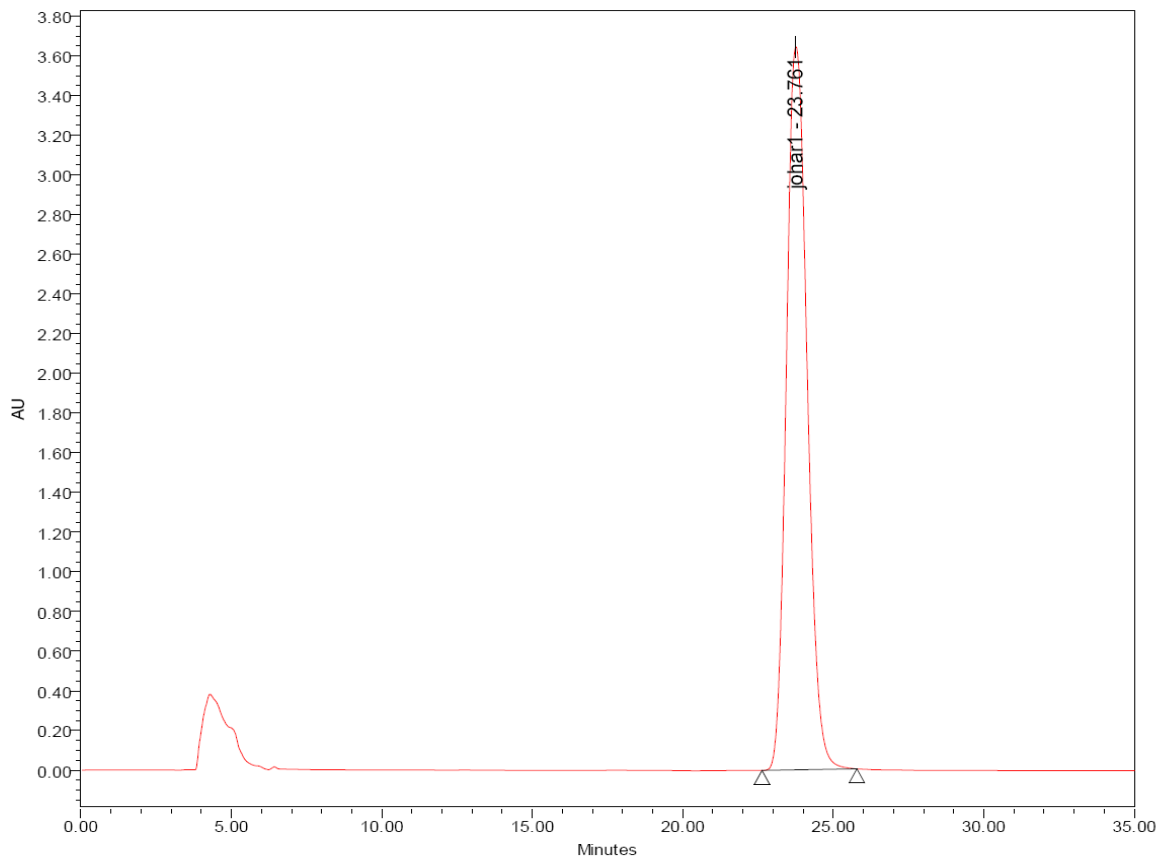


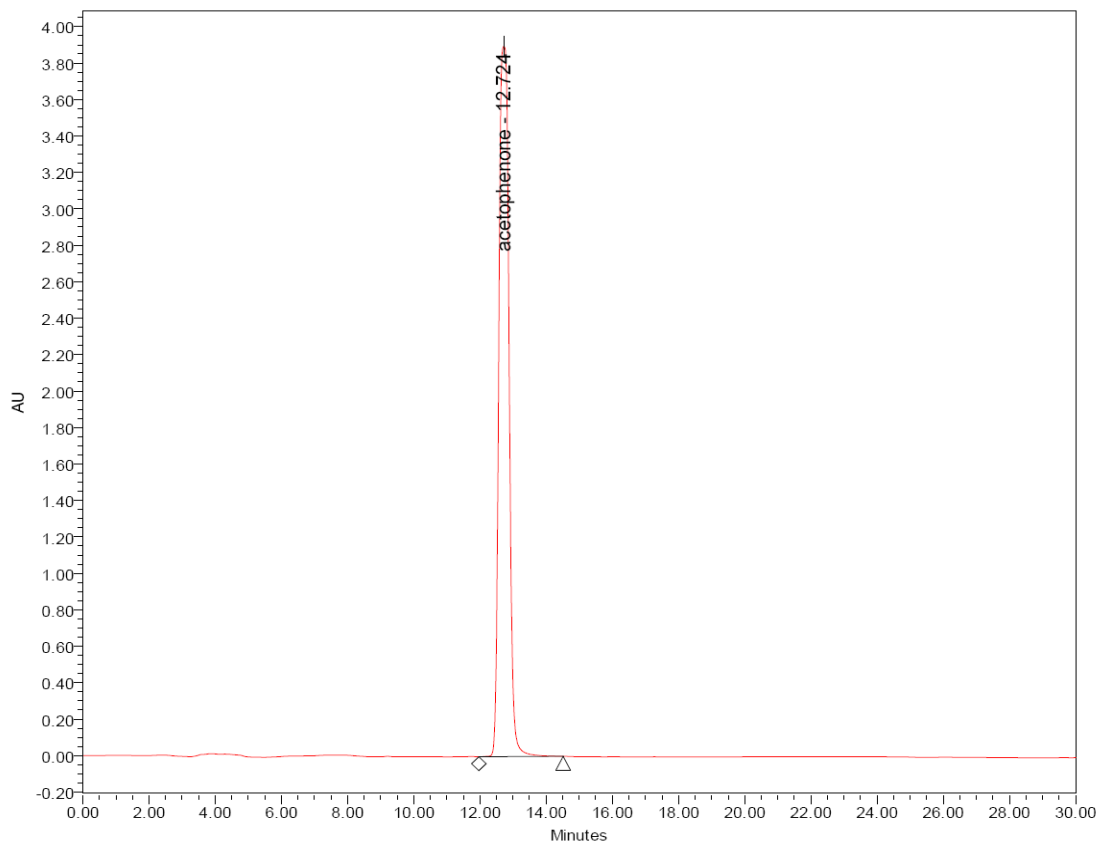
Fig. S9: ¹H-NMR spectrum of 4-chloro-nitrobenzene

2. High Performance Liquid Chromatography (HPLC) Spectra:



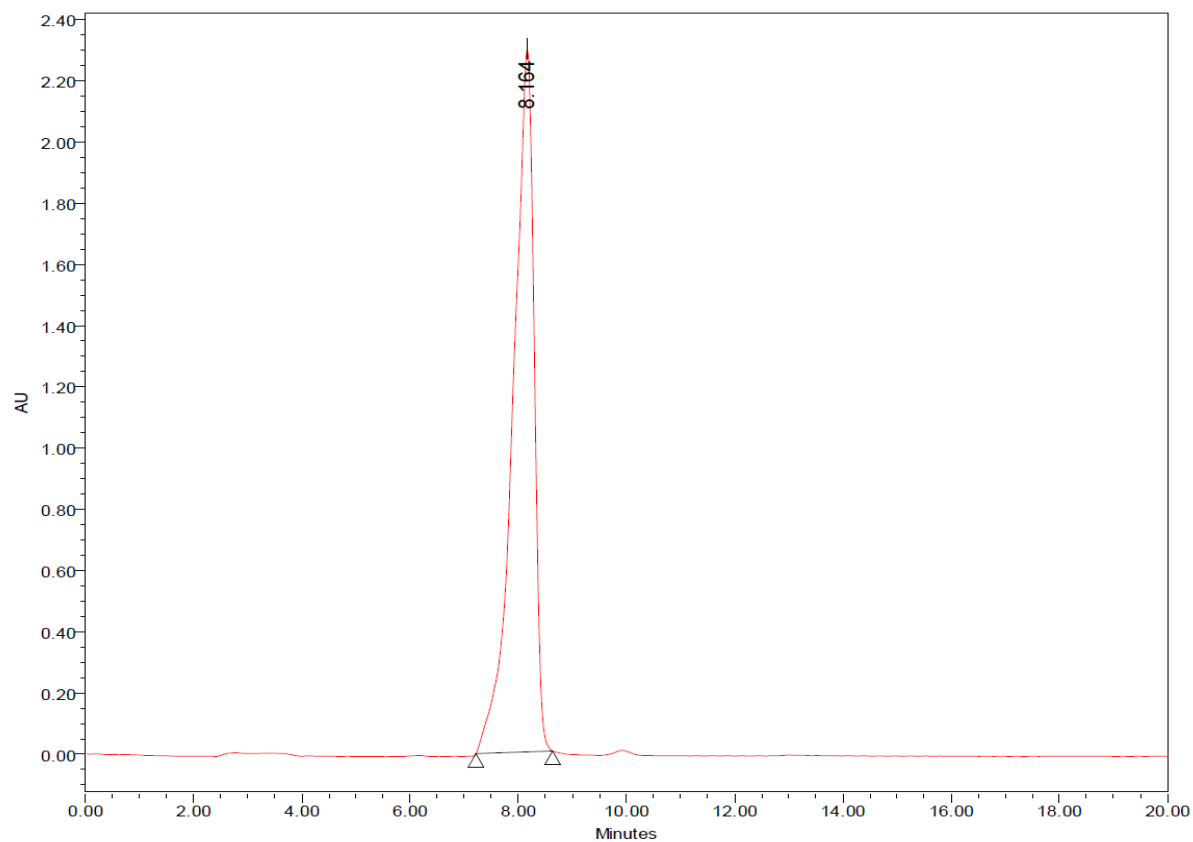
Retention time (min)	Area	% Area	Height
23.761	175974010	100.00	3644882

Fig. S10. HPLC traces of 4-nitrotoluene



Retention time (min)	Area	% Area	Height
12.742	82809392	100.00	3898092

Fig. S11. HPLC traces of 3-nitroacetophenone



Retention time (min)	Area	% Area	Height
8.164	61597444	100.00	2297681

Fig. S12. HPLC traces of 4-nitrophenol