Supporting Information

A novel pyrenyl-furan hydrazone on paper-based device for the selective detection of trinitrotoluene

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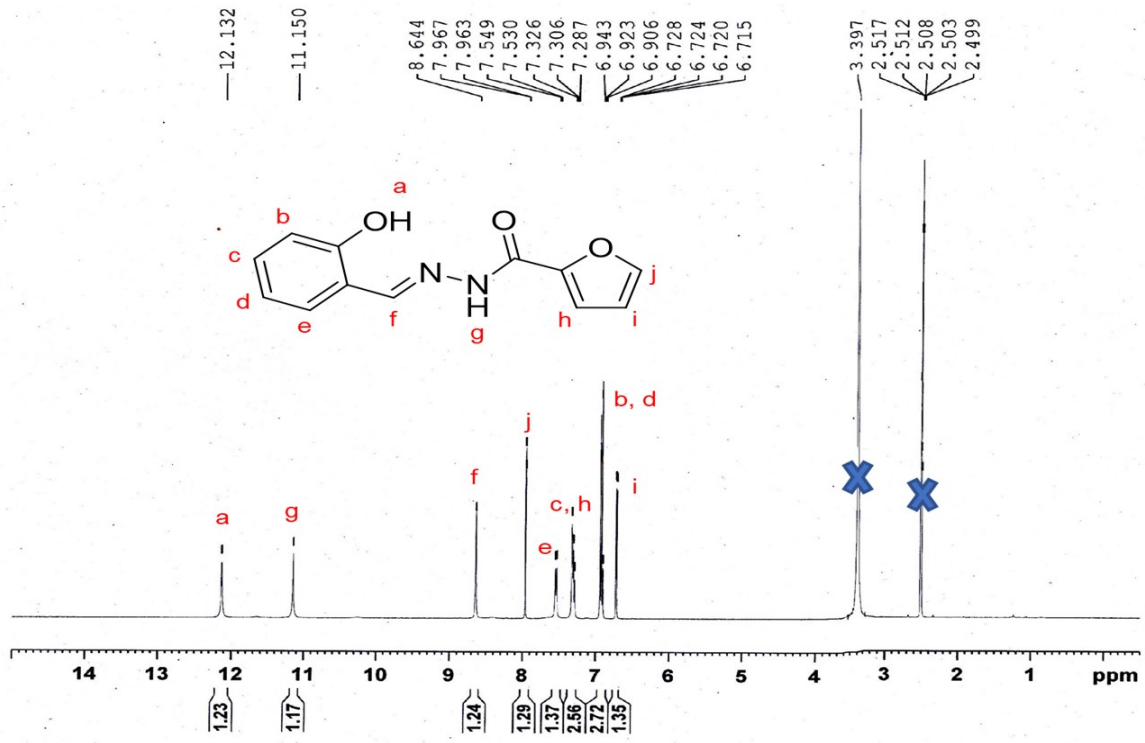

Fig. S1: The ^{1}H NMR (400 MHz, DMSO-d_6) spectrum of **T1**.

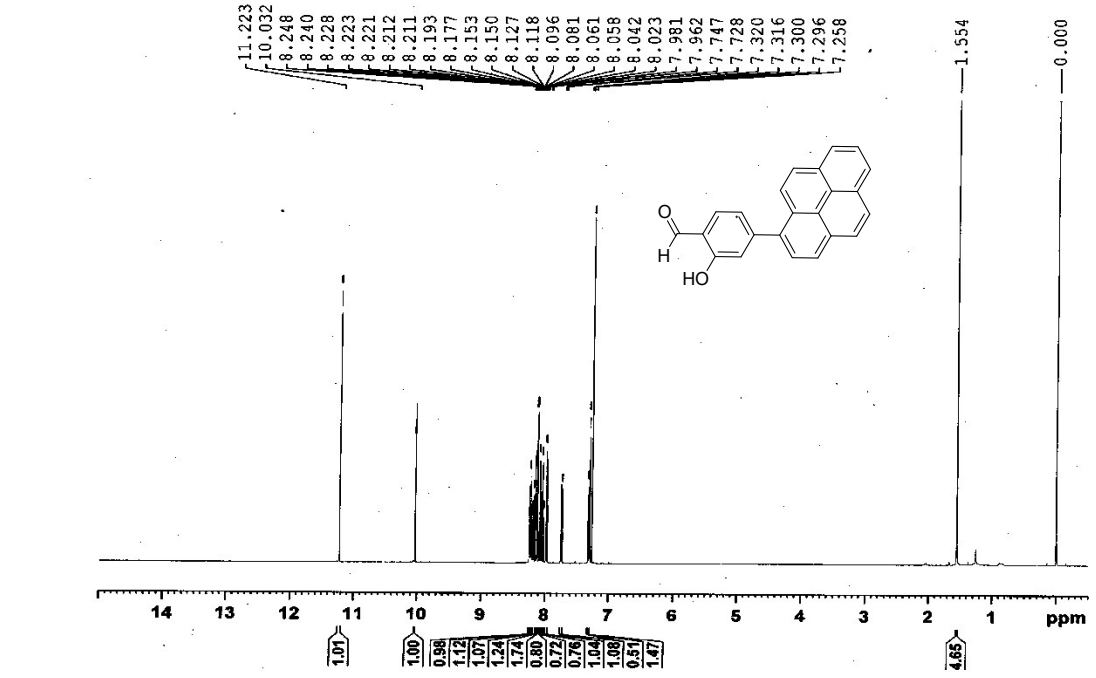

Fig. S2: The ^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound **1**.

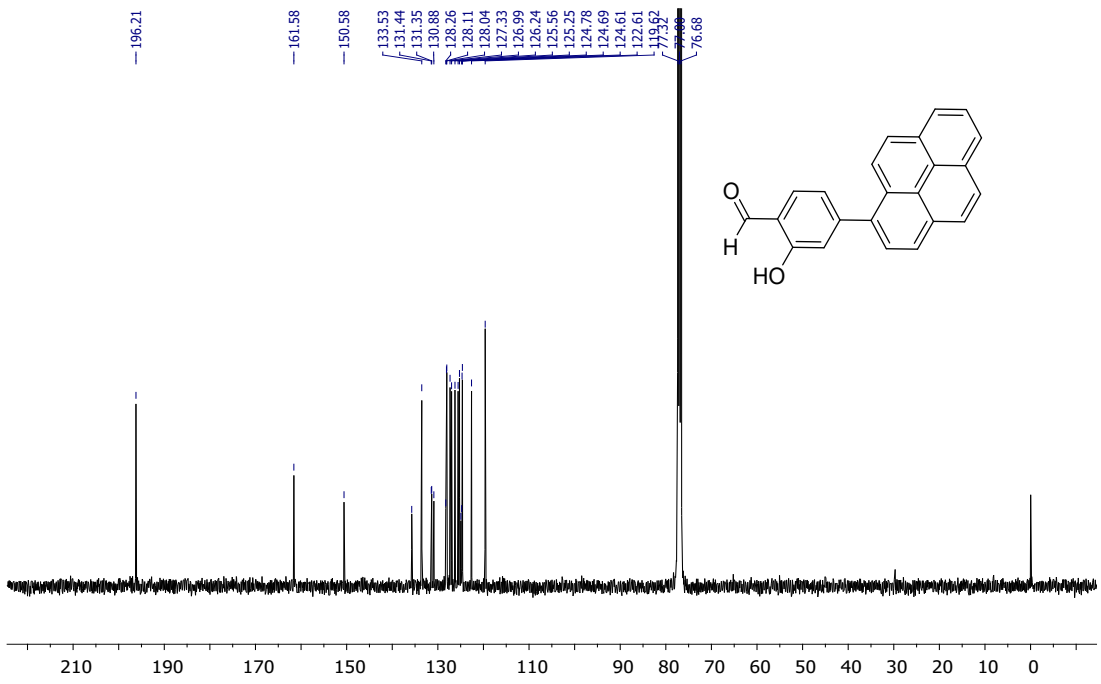

Fig. S3: The ^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound **1**.

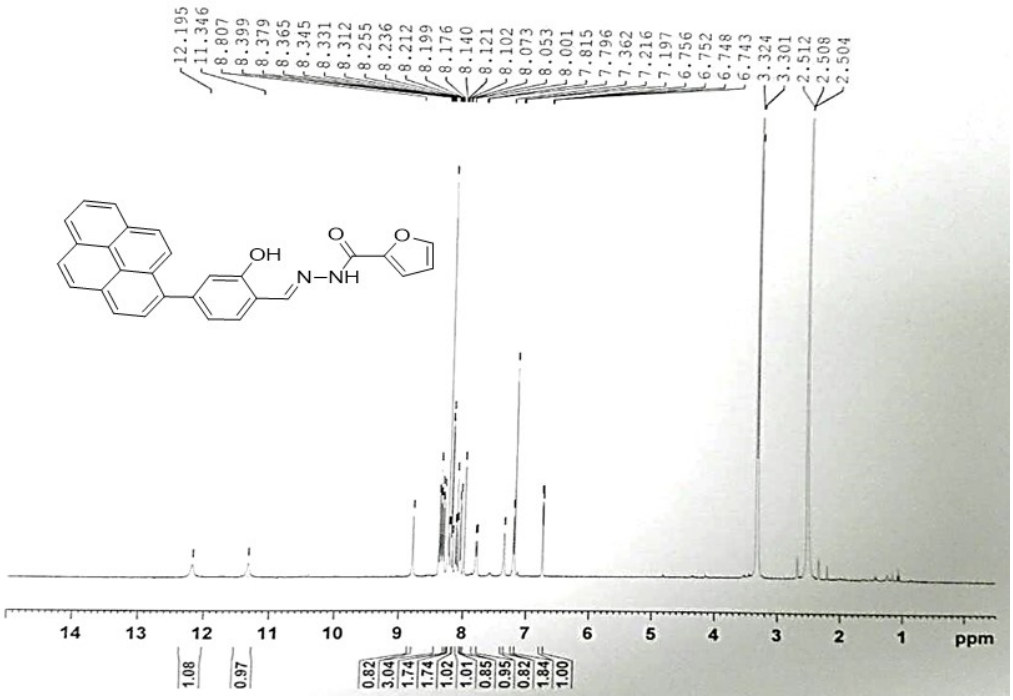

Fig. S4: The ^{1}H NMR (400 MHz, DMSO-d_6) spectrum of **T2**.

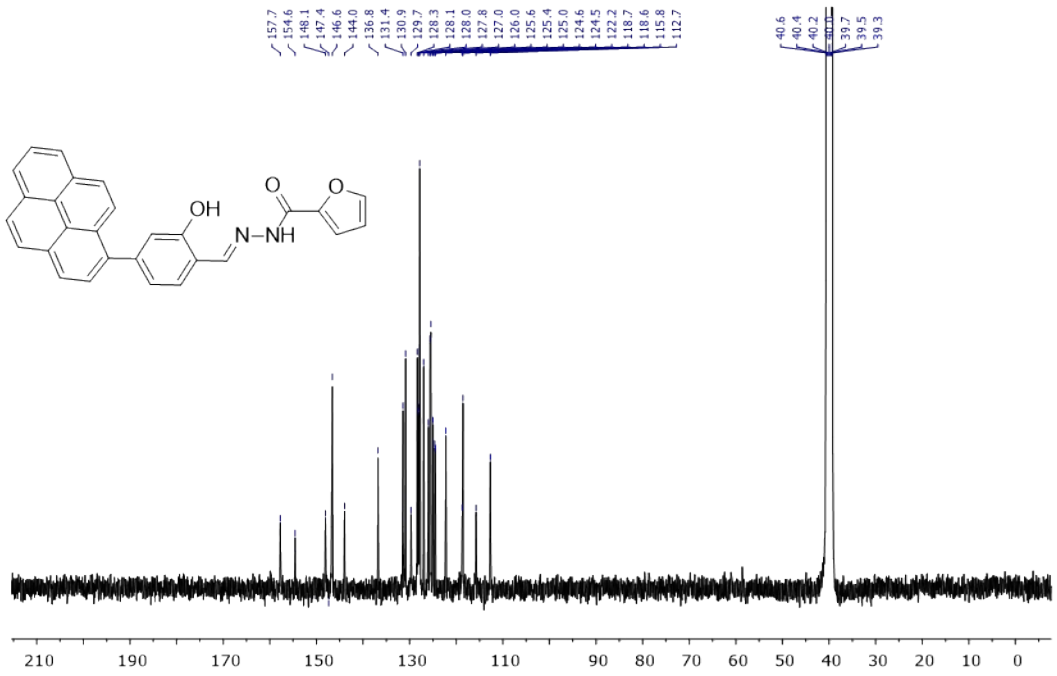

Fig. S5: The ^{13}C NMR (100 MHz, DMSO-d_6) spectrum of **T2**.

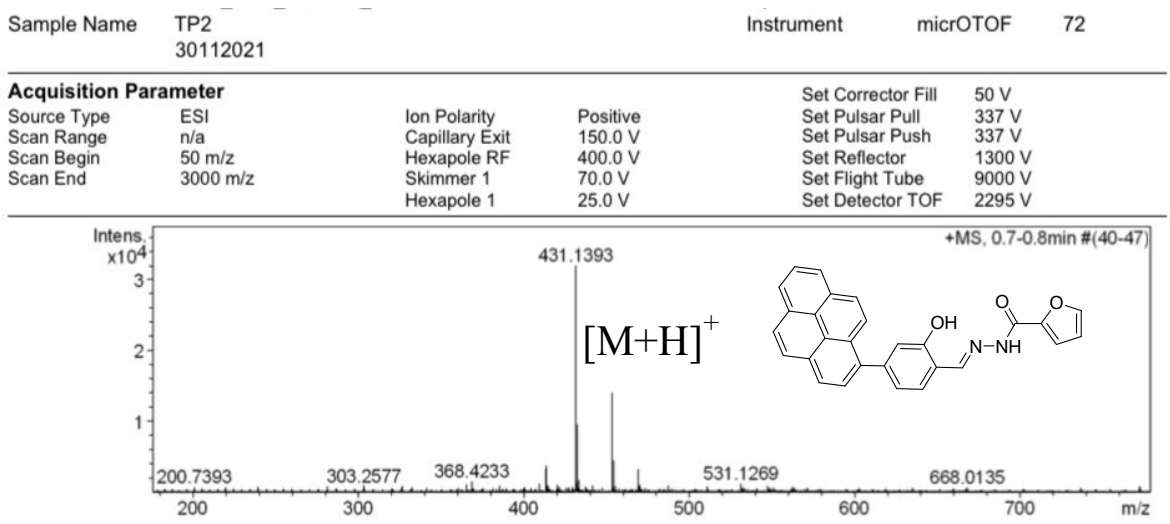

Fig. S6: HRMS spectrum of **T2**.