Electronic Supplementary Material (ESI) for Photochemical & Photobiological Sciences.

Curcumin based chemosensor for selective detection of fluoride and cyanide anions in aqueous media

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Figure S1: ^{1}H NMR spectrum of dye 1 in $CDCl_3$

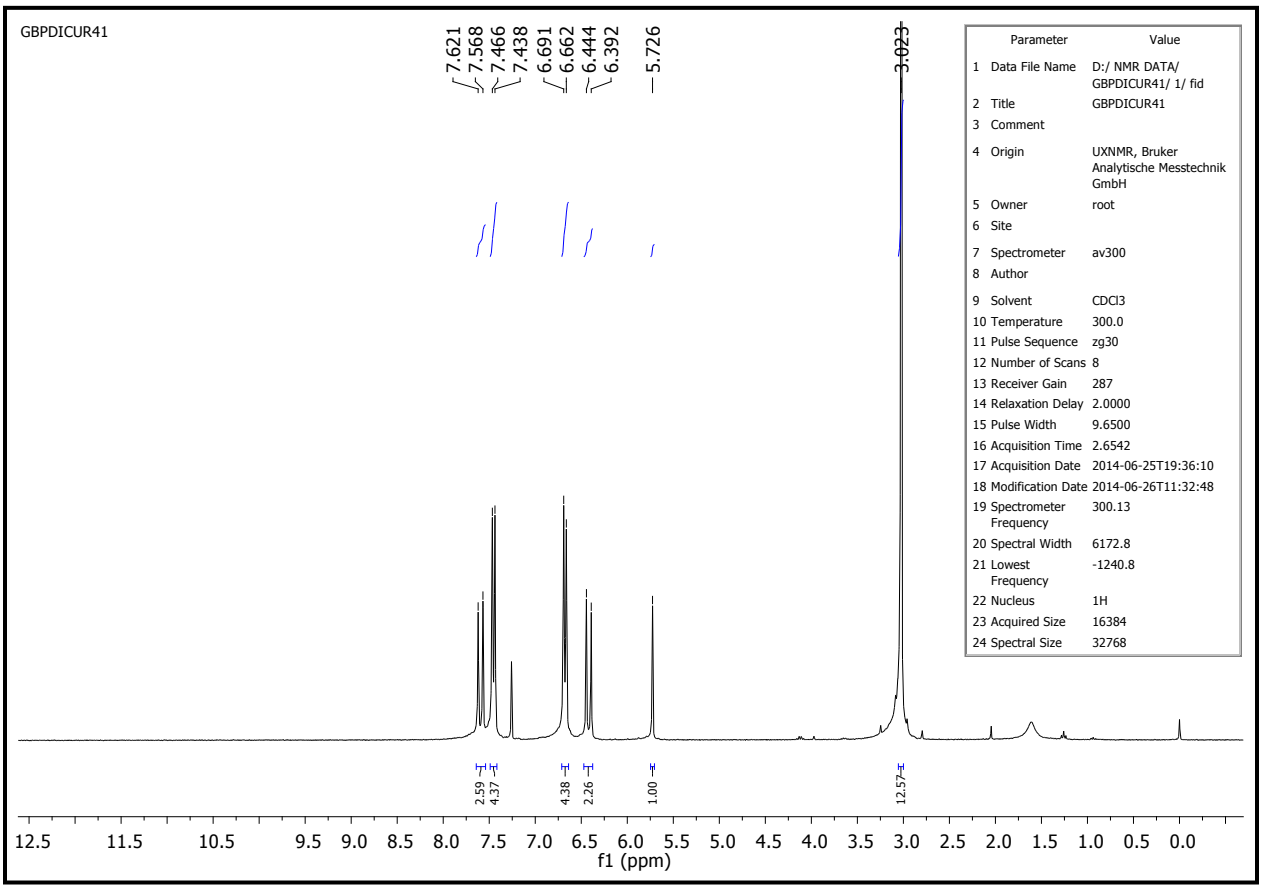

Figure S2: ^{13}C NMR spectrum of dye 1 in $CDCl_3$

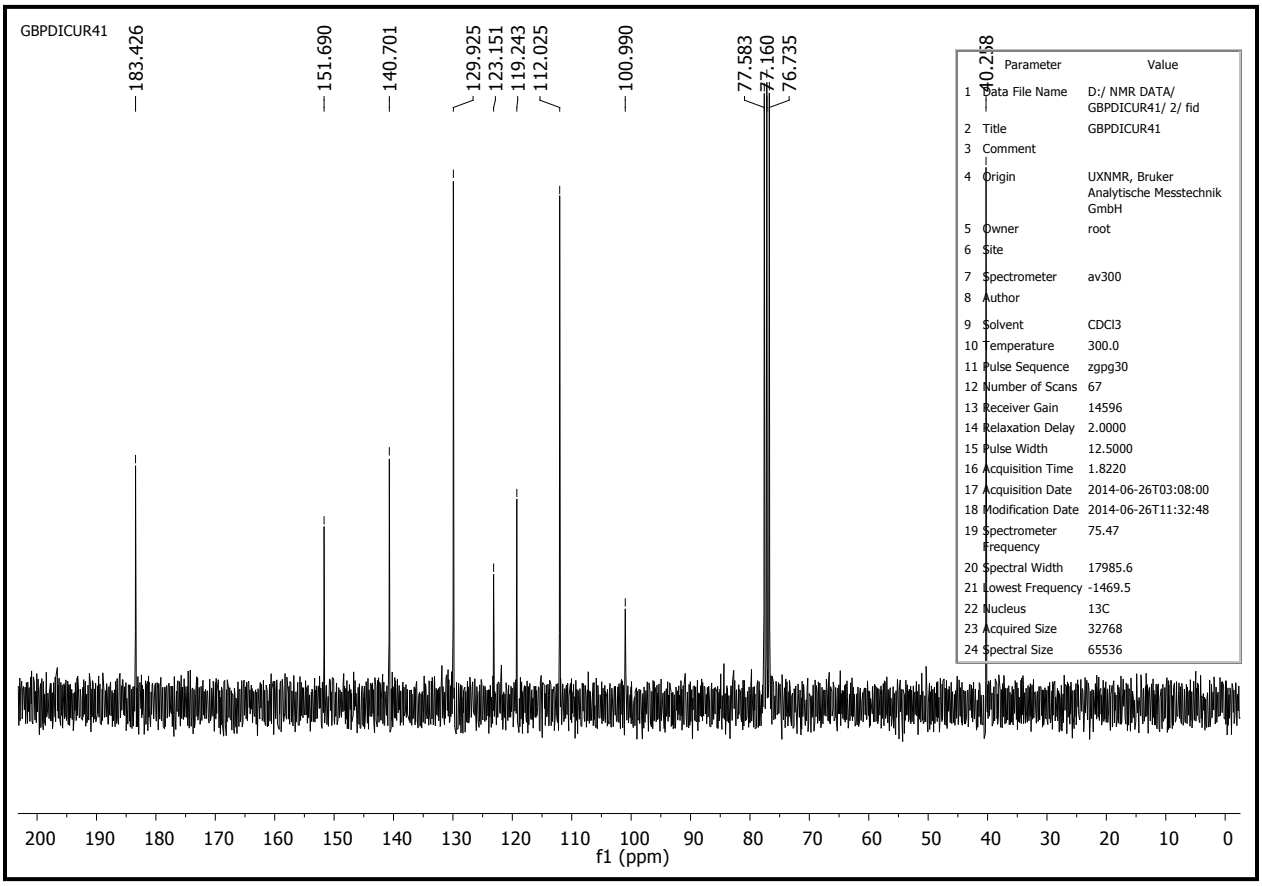

Figure S3: ESI-MS spectrum of dye 1

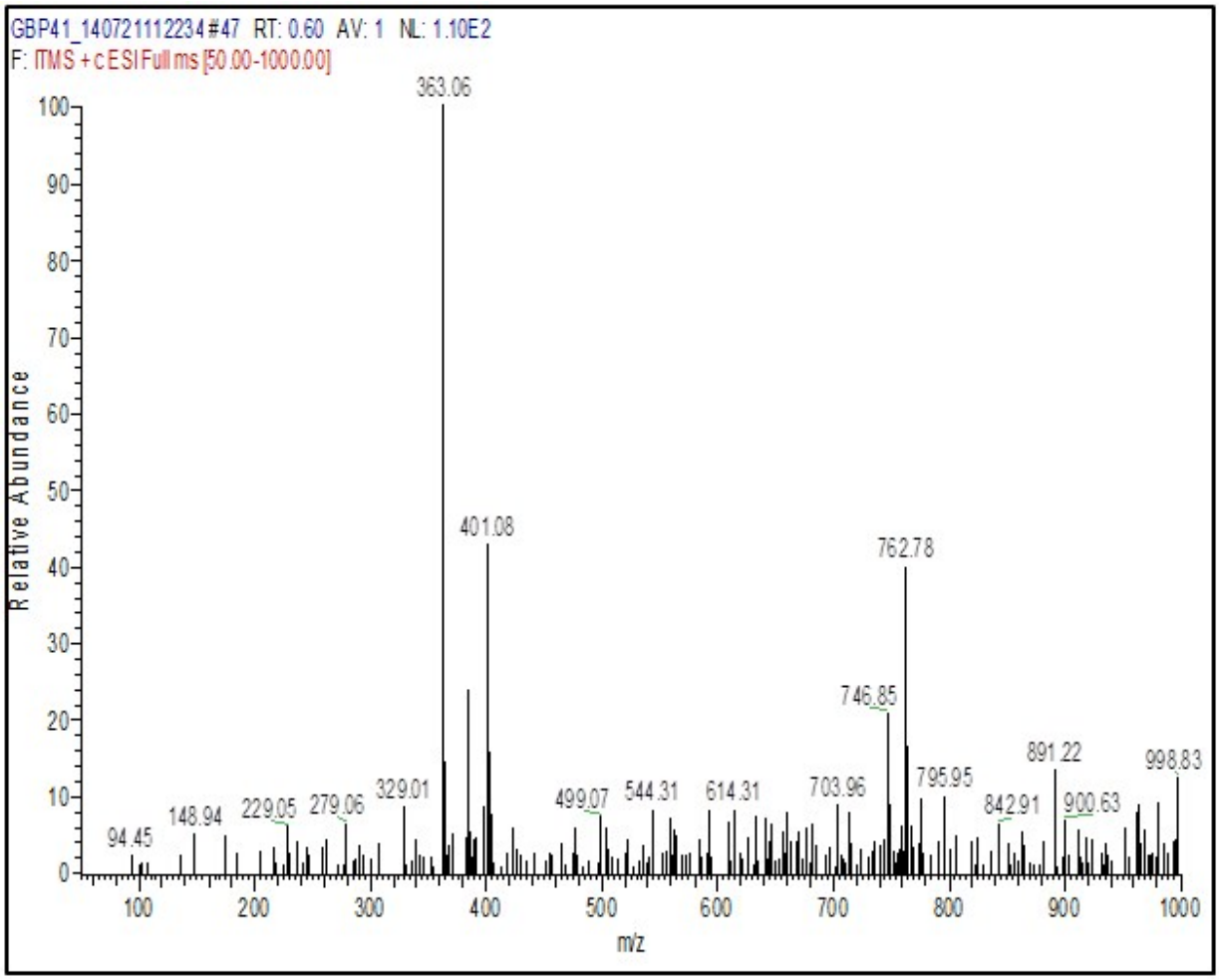

Figure: S4 Job's plot for the reaction between receptor dye 1& TBACN in (THF-H_2O = 7:3) by the continuous variation method

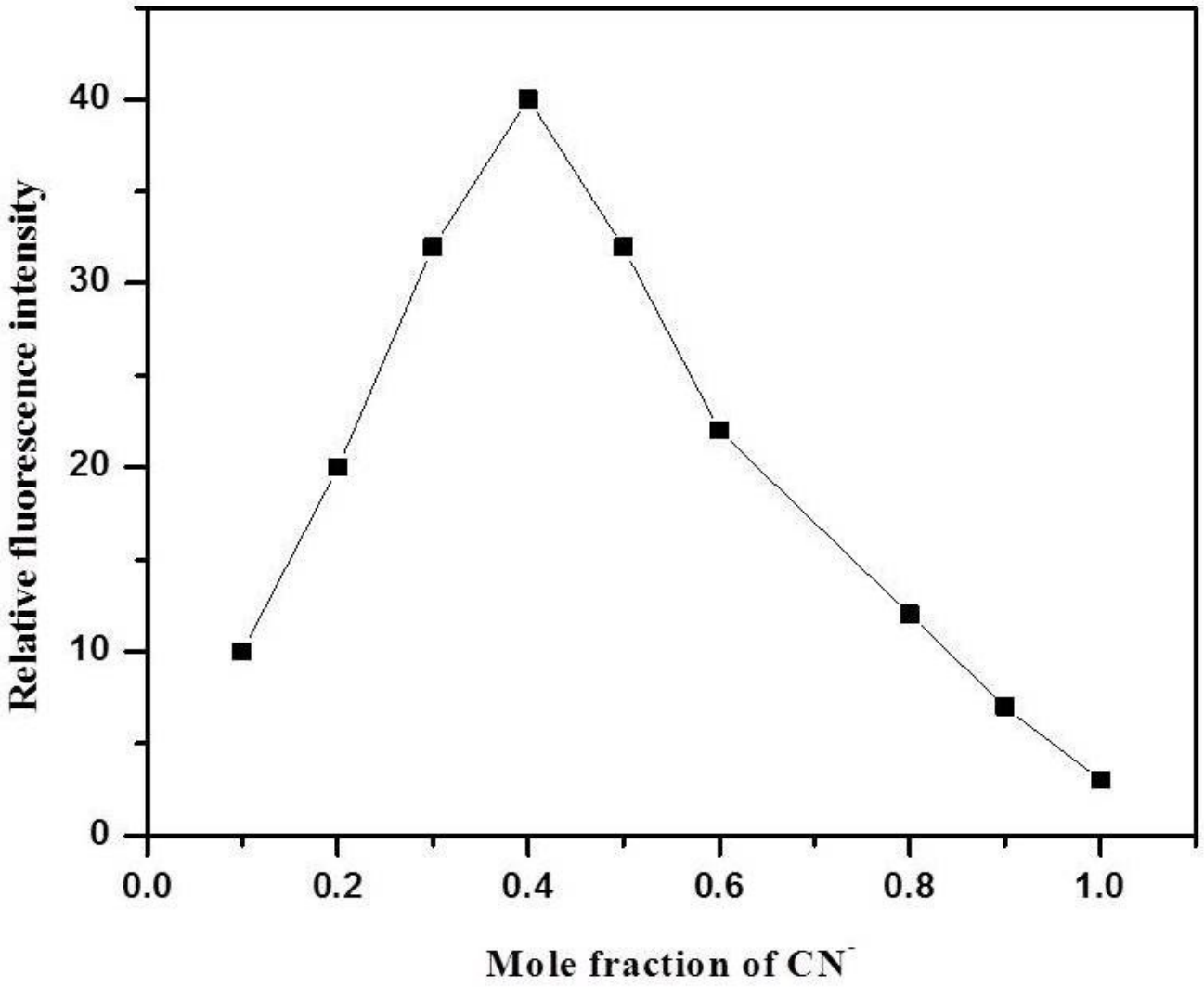

Figure: S5 Plot of change fluorescence intensity at λ_{Emm} = 550 *vs* concentration of fluoride ions added to the probe dye 1

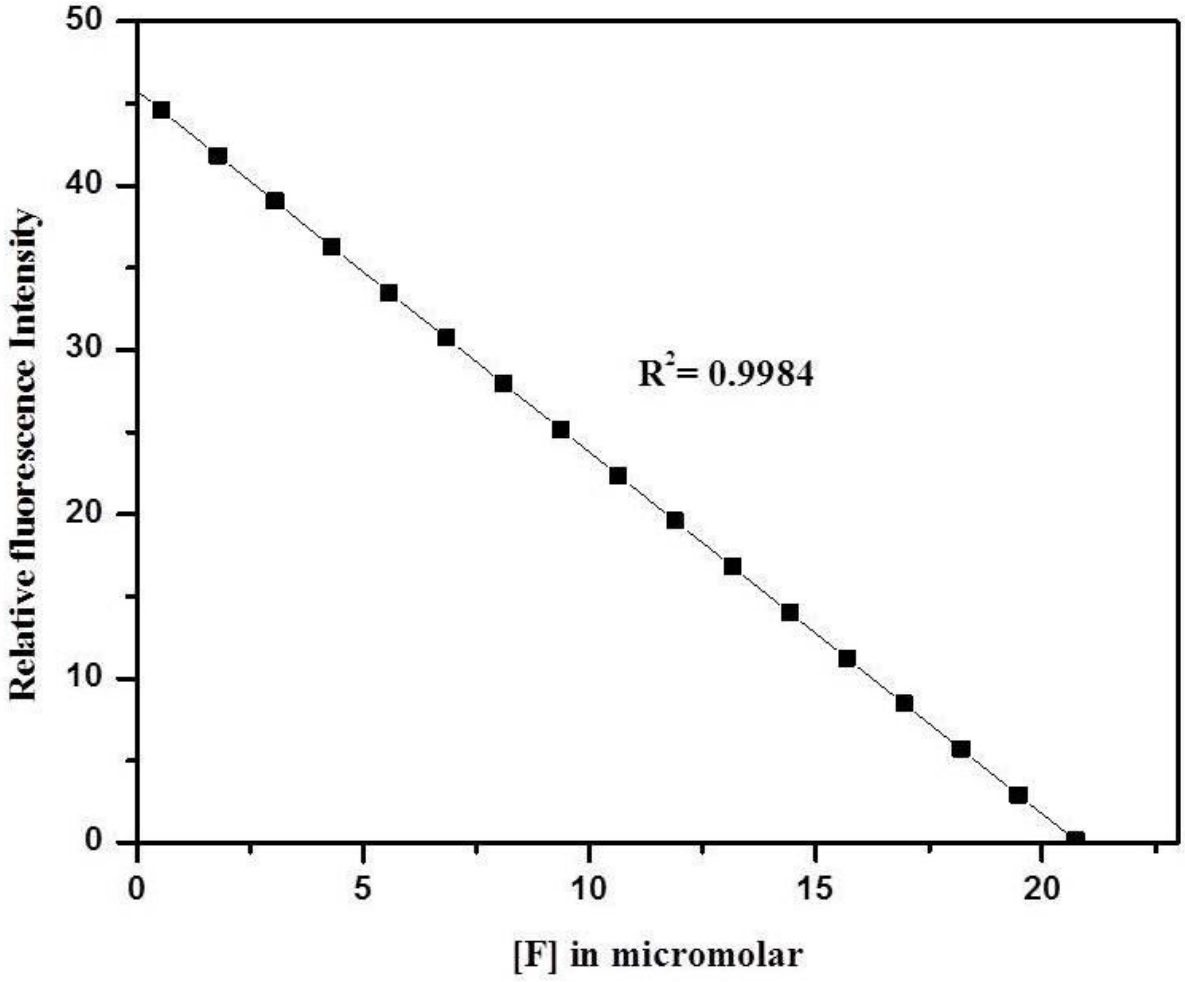

Figure S6: ESI-MS spectrum of dye 1with cyanide ions