

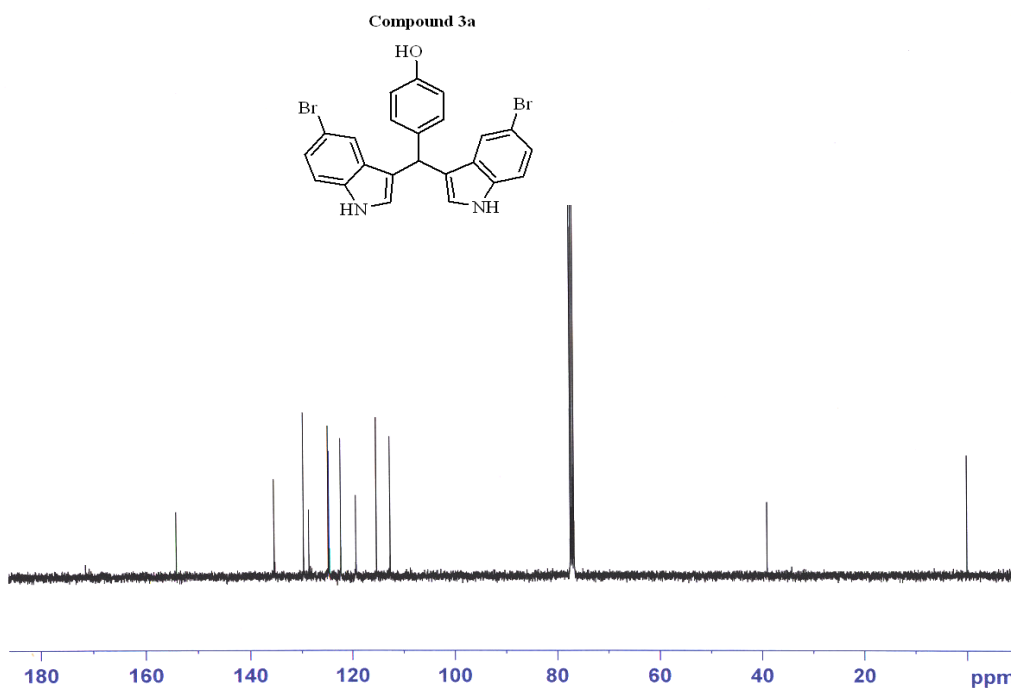
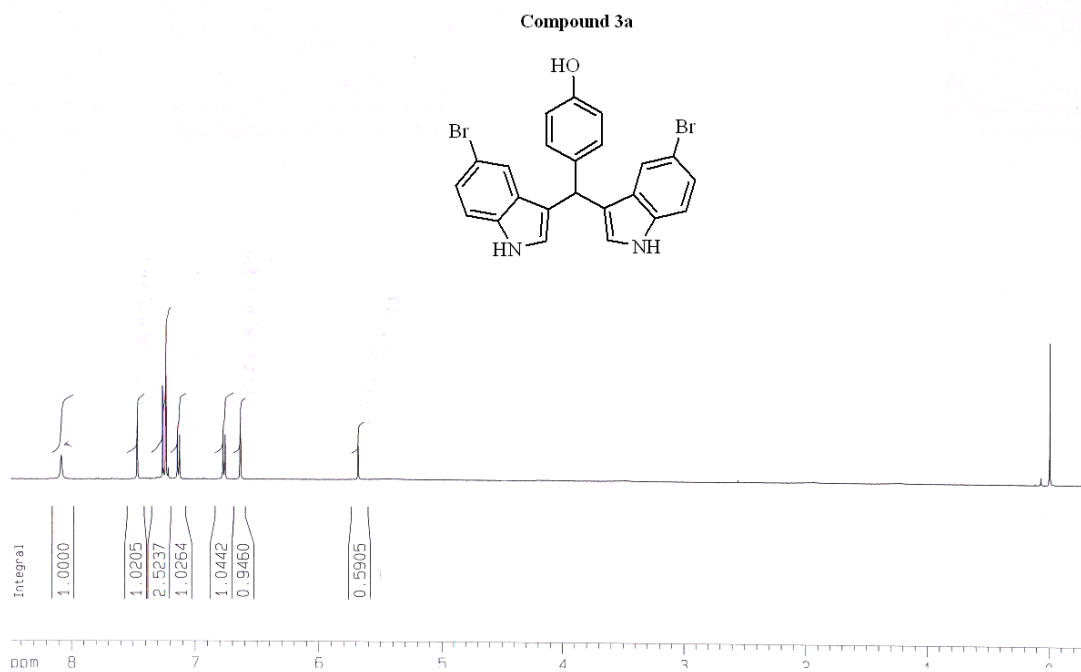
Supporting Information

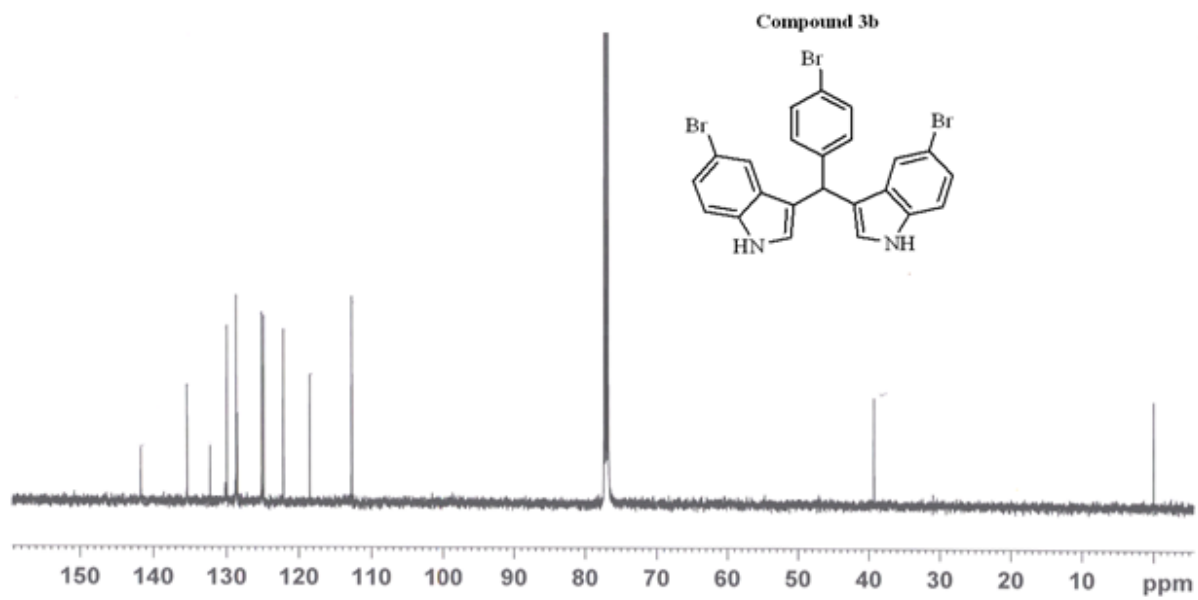
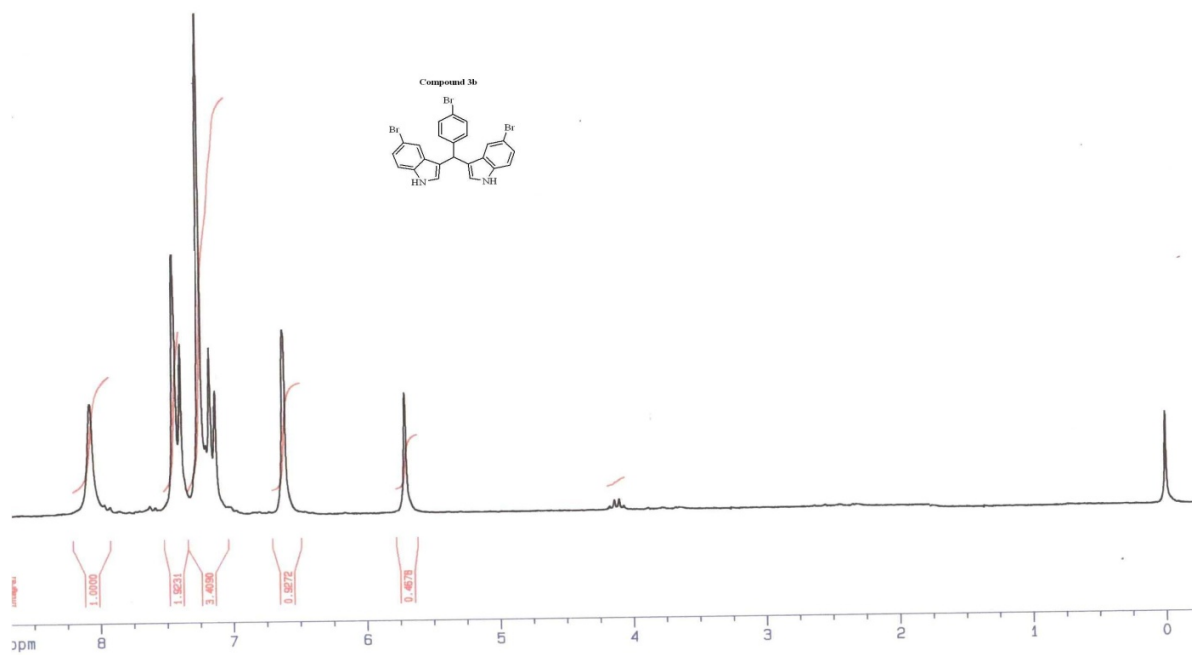
Fe/Al pillared clay catalyzed solvent-free synthesis of bisindolylmethanes using diversely substituted indoles and carbonyl compounds.

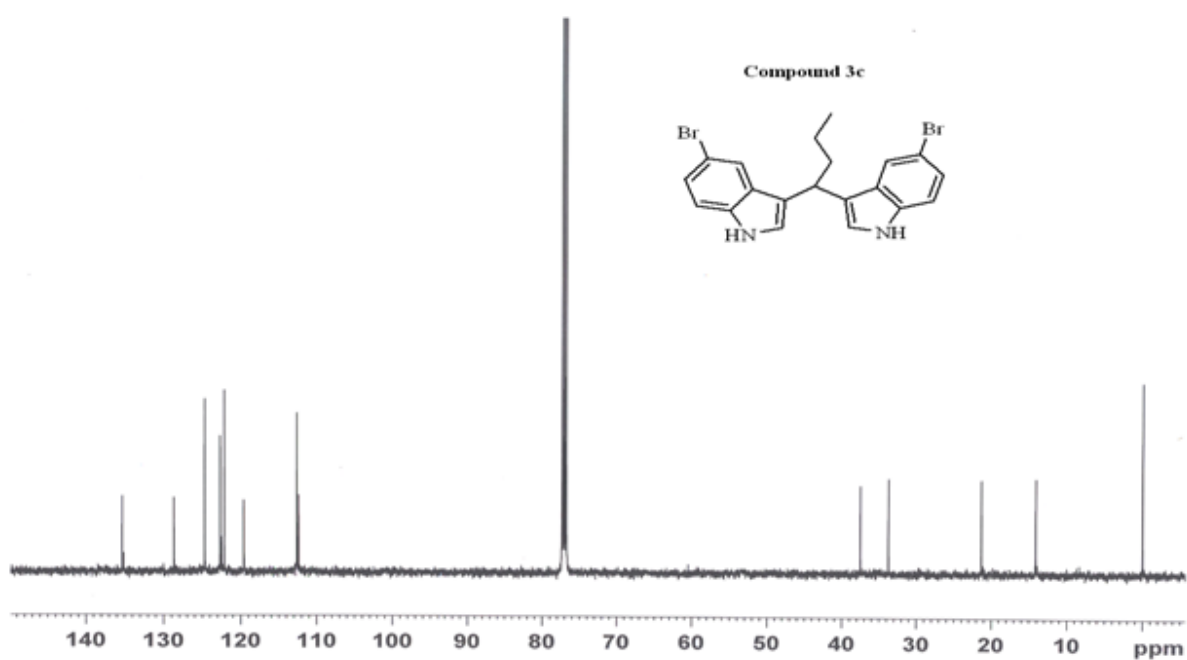
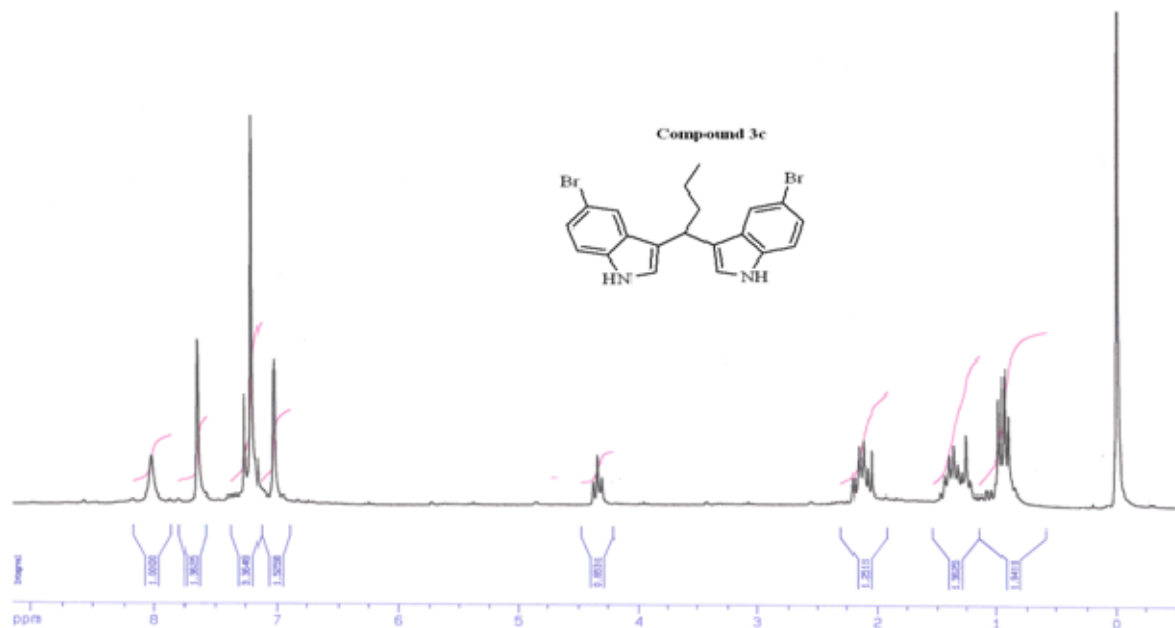
*Deepak Kumar Sharma,^a Altaf Hussain,^a Mallikharjuna Rao Lambu,^a Syed Khalid Yousuf,^a Sudip Maiety,^b Baldev Singh^a and Debaraj Mukherjee^{*a}*

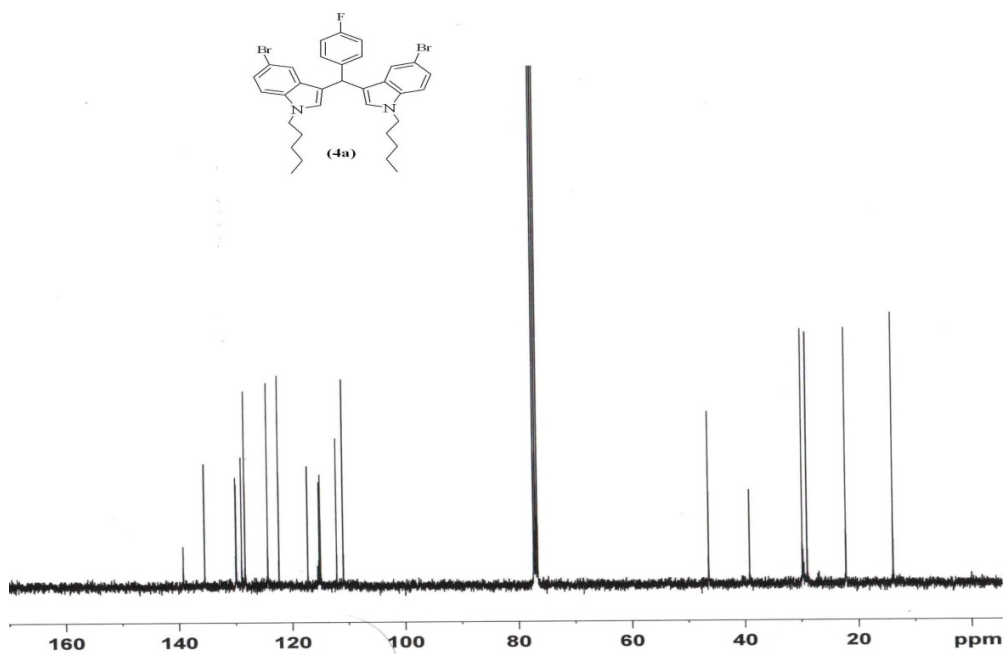
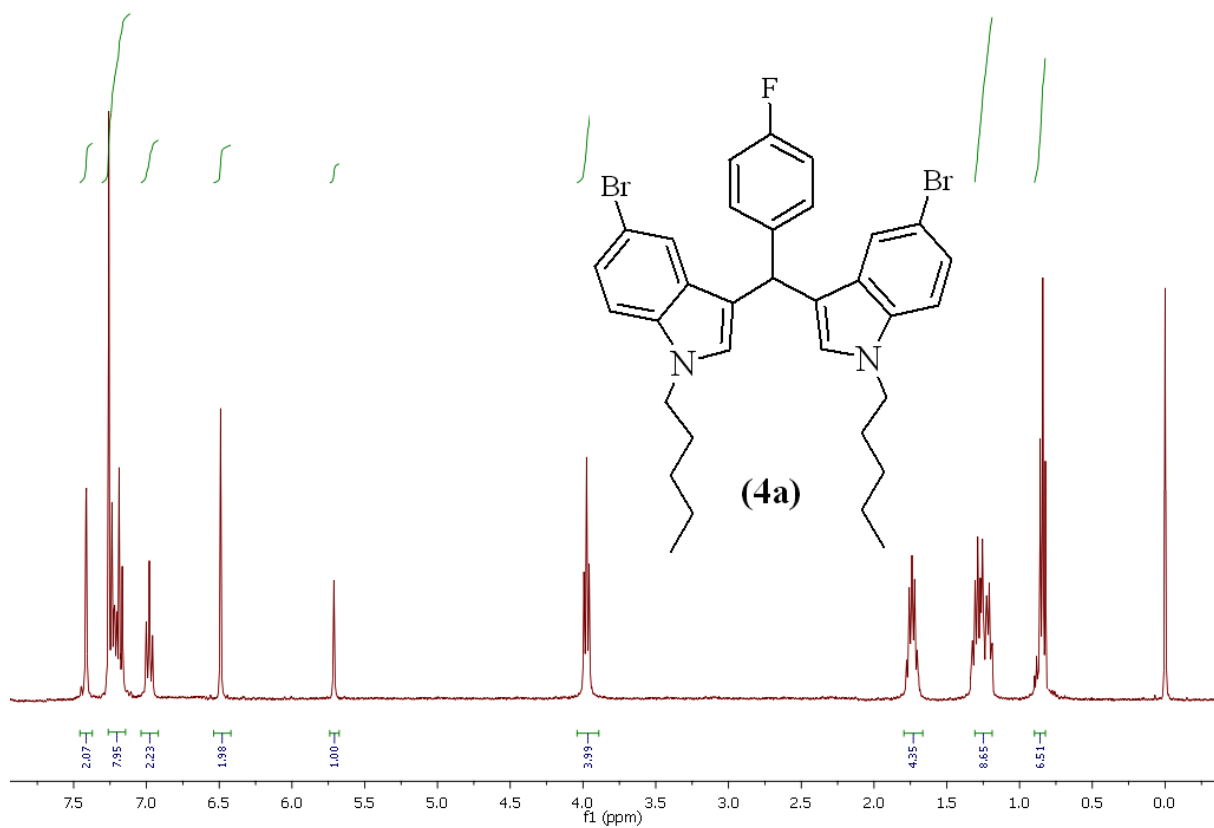
¹ H and ¹³ C NMR spectra of compound 3a :	S2
¹ H and ¹³ C NMR spectra of compound 3b :	S3
¹ H and ¹³ C NMR spectra of compound 3c :	S4
¹ H and ¹³ C NMR spectra of compound 4a :	S5
¹ H and ¹³ C NMR spectra of compound 5a :	S6
¹ H and ¹³ C NMR spectra of compound 6a :	S7
¹ H and ¹³ C NMR spectra of compound 8a :	S8
HPLC Method A for compound 1a-3d :	S9
HPLC Method B for compound 4a-8a :	S9

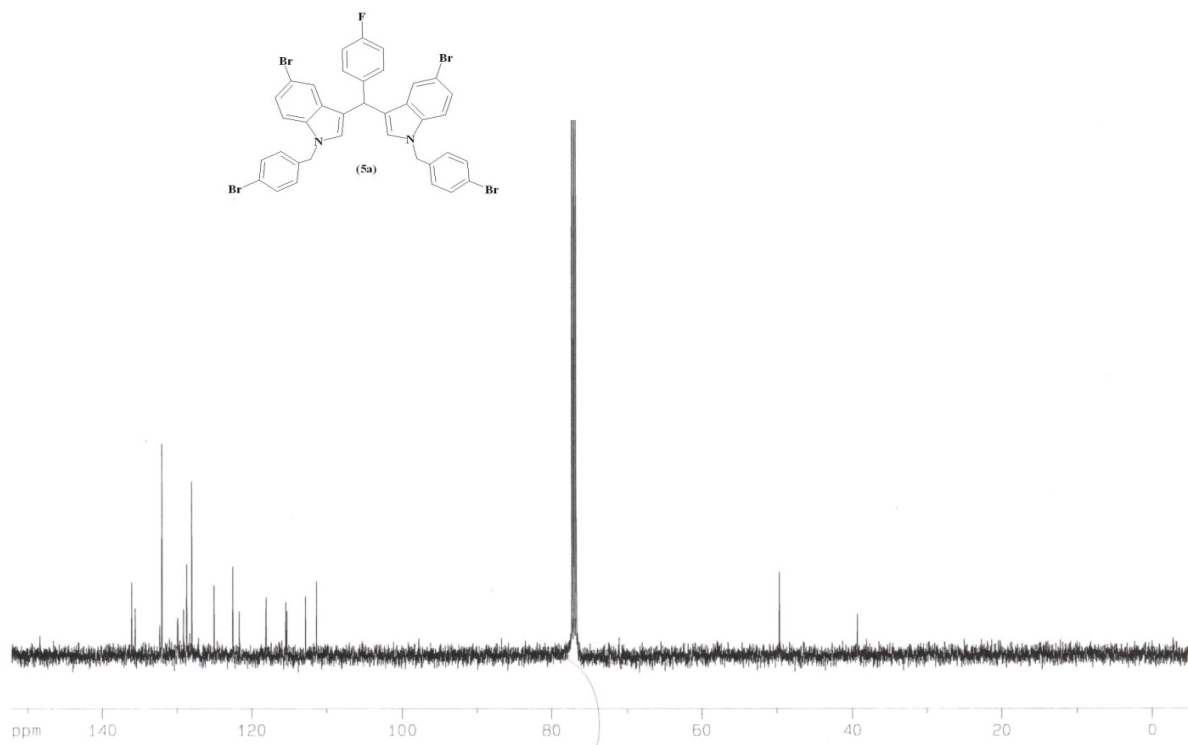
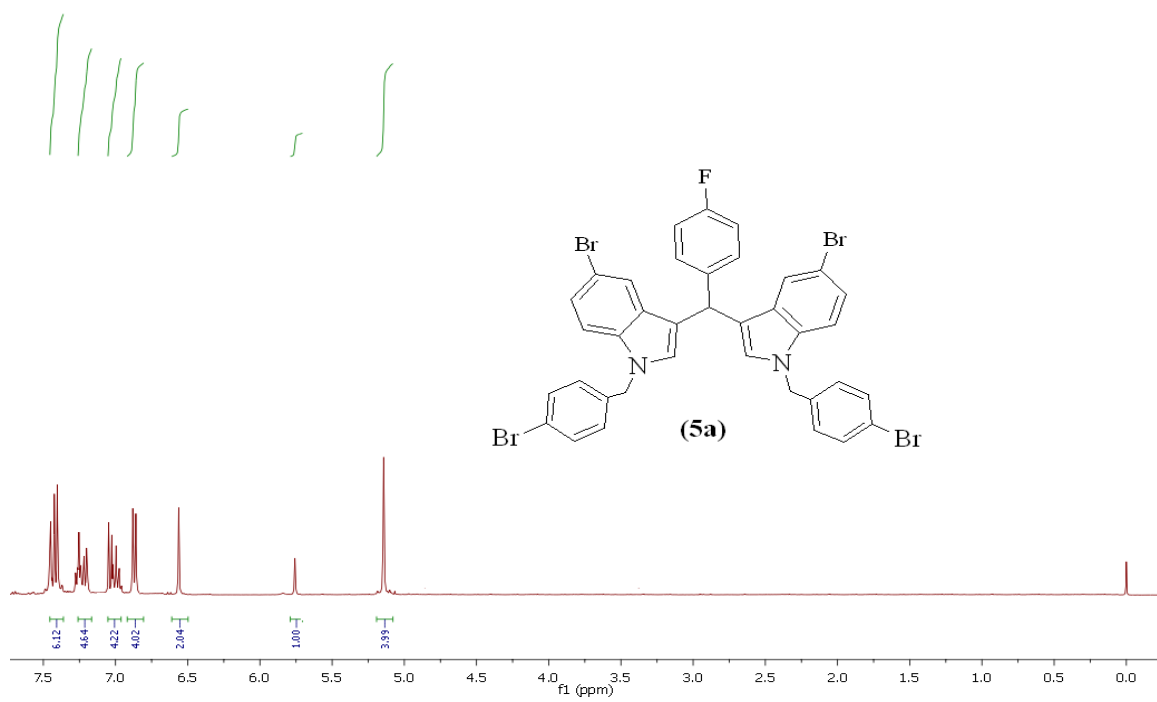
^1H and ^{13}C NMR of some of the selected compounds

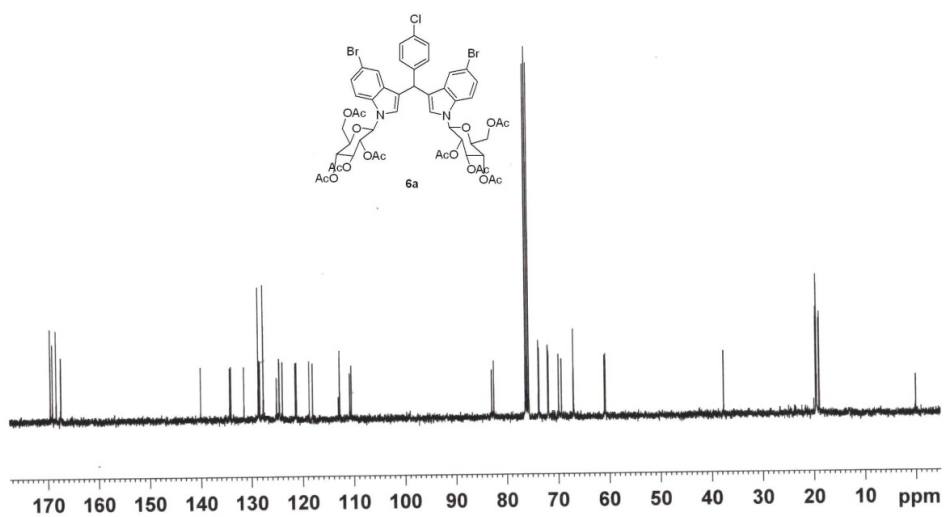
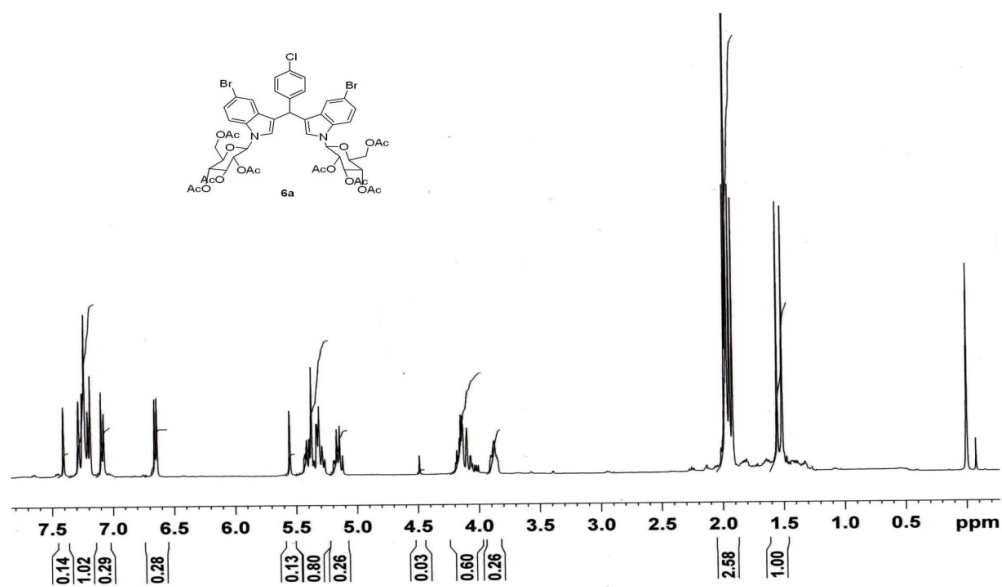


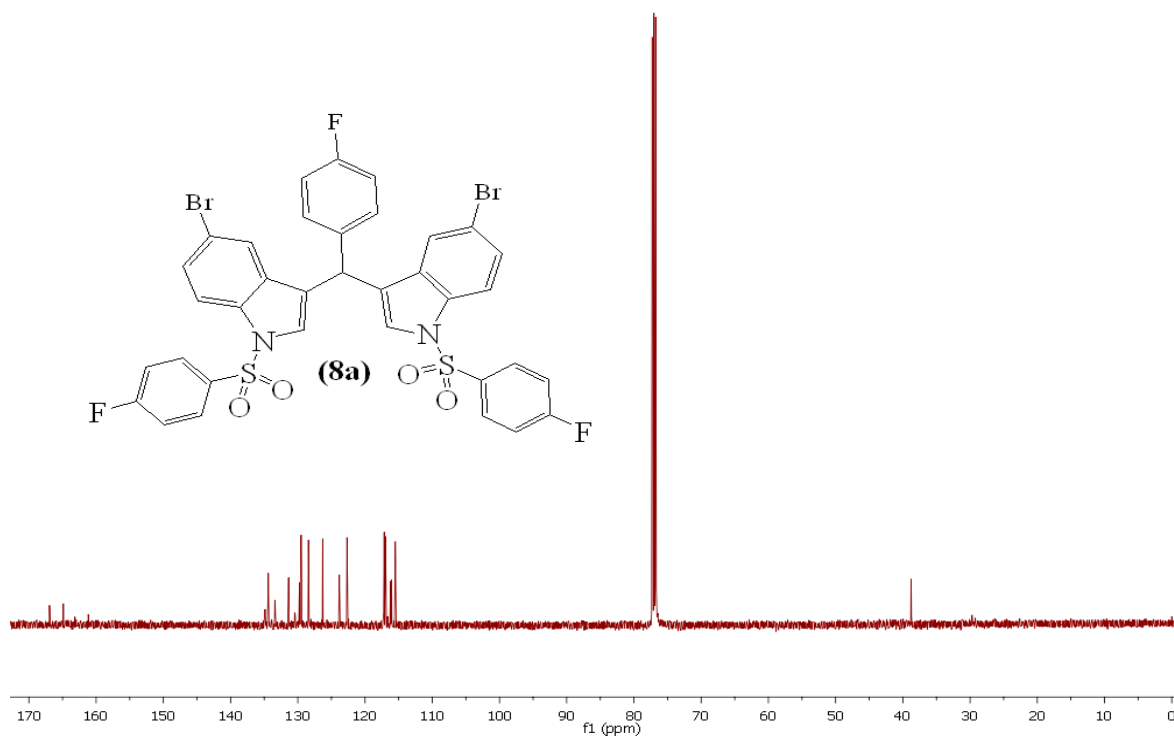
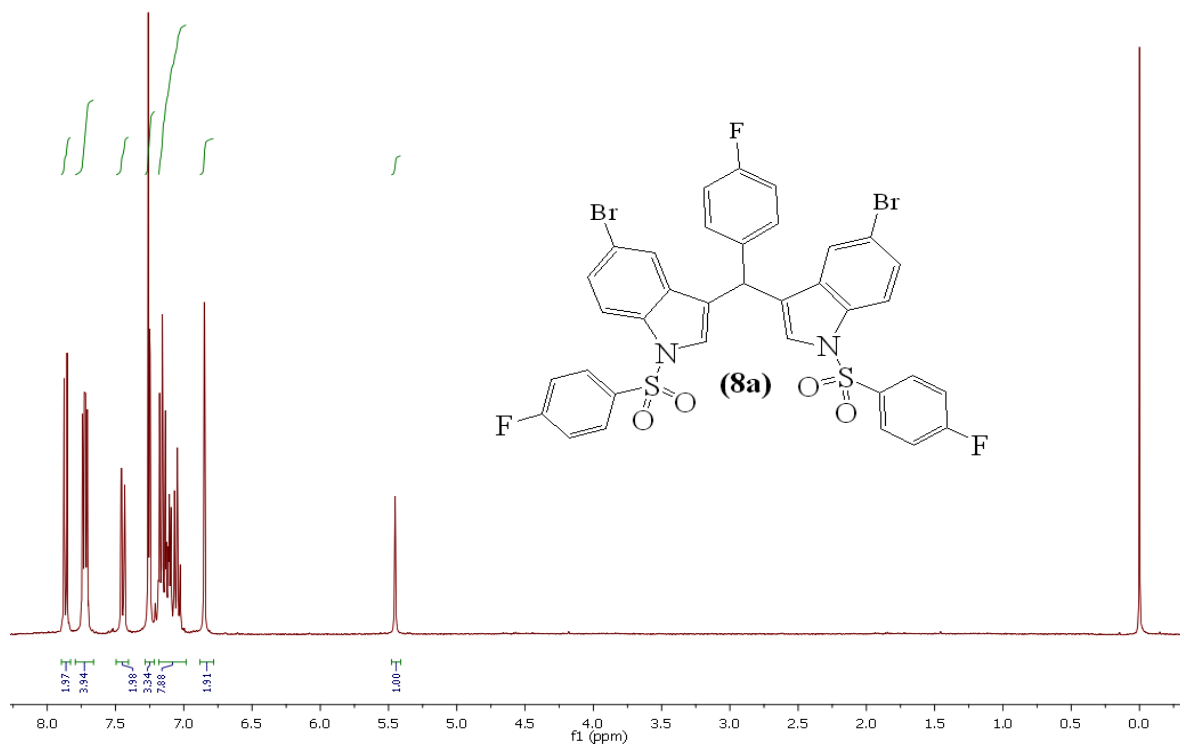












HPLC Method A for compounds **3a-3d**:

Injection volume: 10µl

Methanol (B), Water (A), column RP-18 (E-Merck, 5µm, 4.0 x 250 mm), Column temp. 30 °C,
Flow Rate 0.8 ml/min.

Time	0.01	5	35	40	50	55
B (%)	5	5	100	100	5	5

HPLC Method B for compounds **4a-8a**:

C-18 Column: 100mm x 4.6mm (3.5µ particle size)

Mobile Phase Gradient: CH₃CN:H₂O gradient (2:98 to 100:0 over 10 min. then 100% CH₃CN for over 15 min.).