

Supporting Information

Synthesis, X-ray Structure, Spectral and Electrochemical Properties of β -*meso* Covalently Linked BODIPY-Ru(II) Dipyrrin Complex

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Entry	Contents	Page no
1	Figure S1. HR mass spectrum of BODIPY 3	3
2	Figure S2. ^1H NMR spectrum of BODIPY 3 in CDCl_3	4
3	Figure S3. ^{13}C NMR spectrum of BODIPY 3 in CDCl_3	5
4	Figure S4. ^{19}F NMR spectrum of BODIPY 3 in CDCl_3	6
5	Figure S5. ^{11}B NMR spectrum of BODIPY 3 in CDCl_3	7
6	Figure S6. ^1H - ^1H COSY spectrum of compound 3 in CDCl_3	8
7	Figure S7. HR mass spectrum of BODIPY 4	9
8	Figure S8. ^1H NMR spectrum of BODIPY 4 in CDCl_3	10
9	Figure S9. ^{13}C NMR spectrum of BODIPY 4 in CDCl_3	11
10	Figure S10. ^{19}F NMR spectrum of BODIPY 4 in CDCl_3	12
11	Figure S11. ^{11}B NMR spectrum of BODIPY 4 in CDCl_3	13
12	Figure S12. ^1H - ^1H NOESY spectrum BODIPY 4 in CDCl_3	14
13	Figure S13. ^1H - ^1H COSY spectrum of compound 4 in CDCl_3	15
14	Figure S14. HR mass spectrum of BODIPY 1	16
15	Figure S15. ^1H NMR spectrum of BODIPY 1 in CDCl_3	17
16	Figure S16. ^{13}C NMR spectrum of BODIPY 1 in CDCl_3	18
17	Figure S17. ^{19}F NMR spectrum of BODIPY 1 in CDCl_3	19
18	Figure S18. ^{11}B NMR spectrum of BODIPY 1 in CDCl_3	20

19	Figure S19. ^1H - ^1H COSY spectrum of compound 1 in CDCl_3	21
20	Figure S20. ^1H - ^1H COSY spectrum of compound 1 in CDCl_3	22
21	Figure S21. ^1H - ^1H NOESY spectrum BODIPY 1 in CDCl_3	23
22	Figure S22. Absorption, emission spectra of 4 in different solvents	24
23	Figure S23. Absorption, emission spectra of 1 in different solvents	25
24	Figure S24. Cyclic voltammogram of 4 recorded in CH_2Cl_2	26
25	Figure S25. Cyclic voltammogram of 1 recorded in CH_2Cl_2	27
26	Figure S26. Comparison of reduction waves of BODIPYs 1 and 4	28

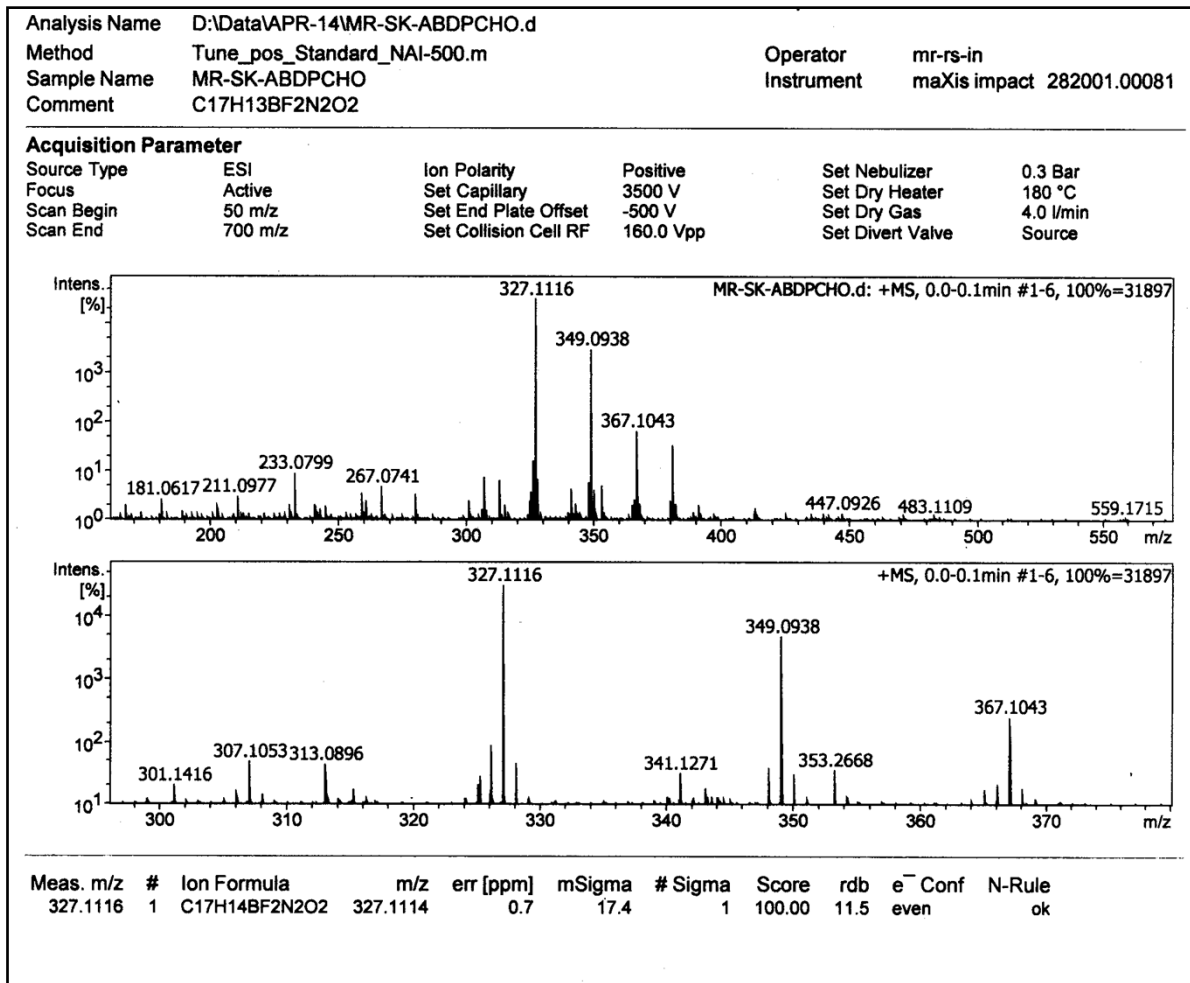
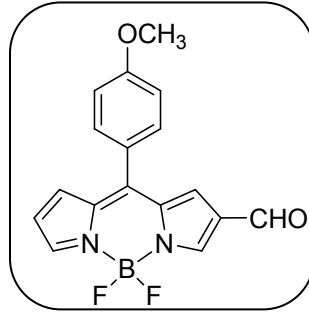


Figure S1: HR mass spectrum of BODIPY 3

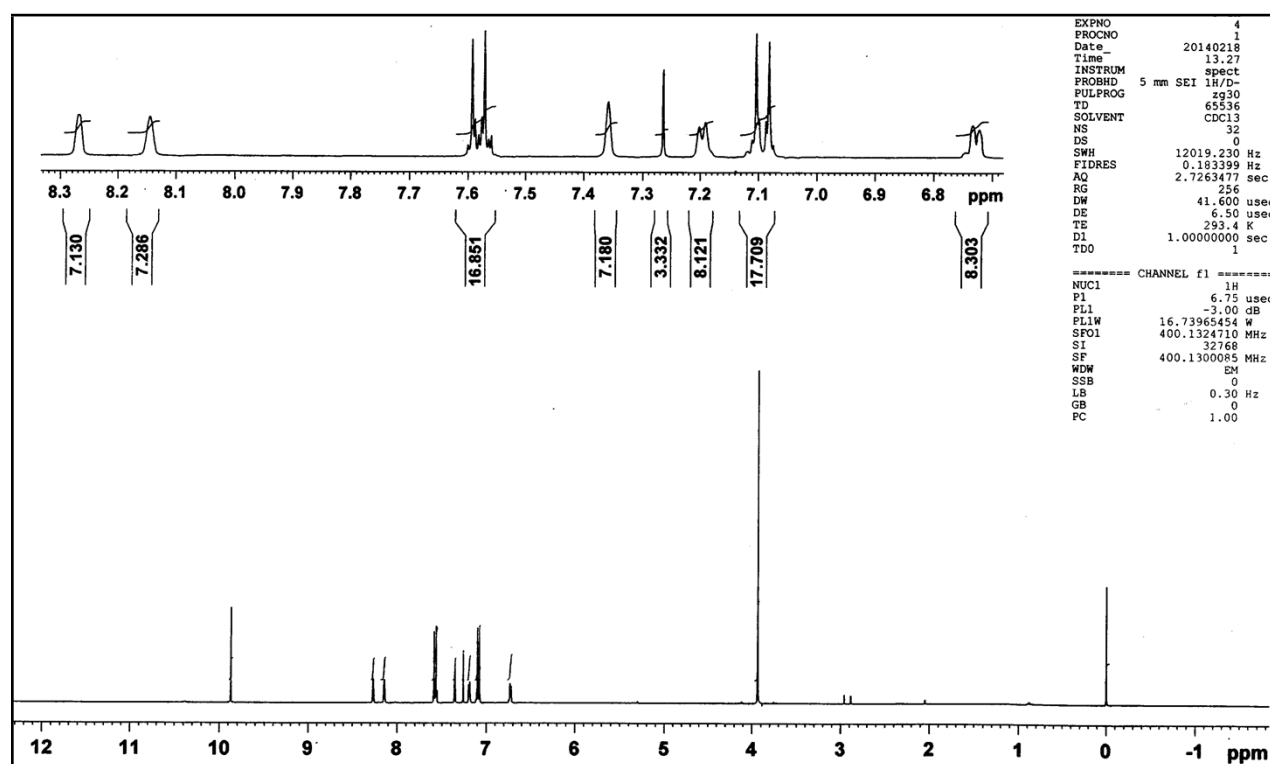
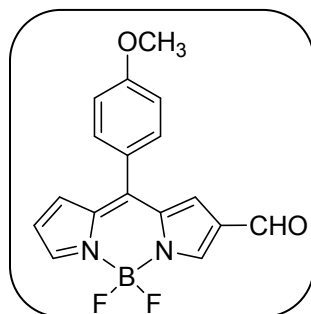


Figure S2: ^1H NMR spectrum of BODIPY 3 recorded in CDCl_3

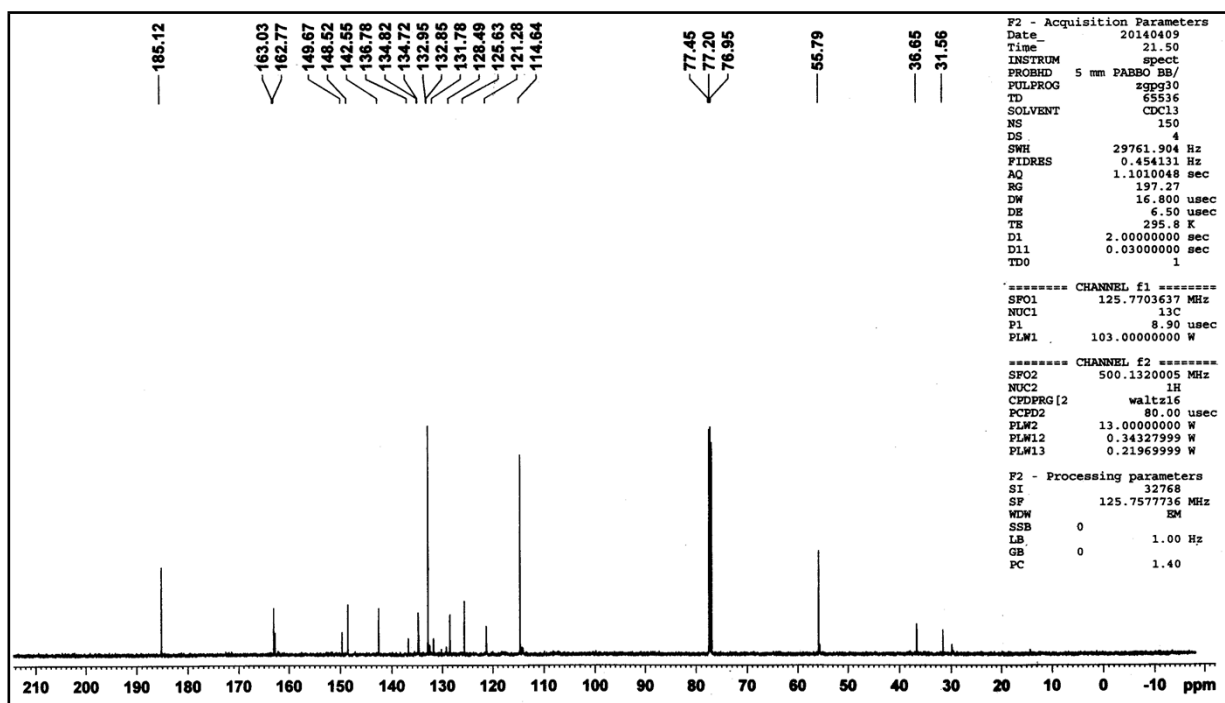
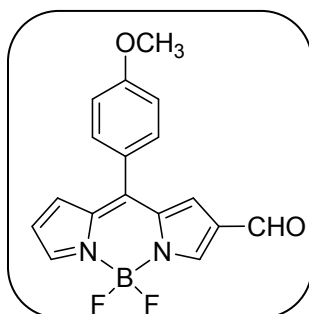


Figure S3: ^{13}C NMR spectrum of BODIPY 3 recorded in CDCl_3

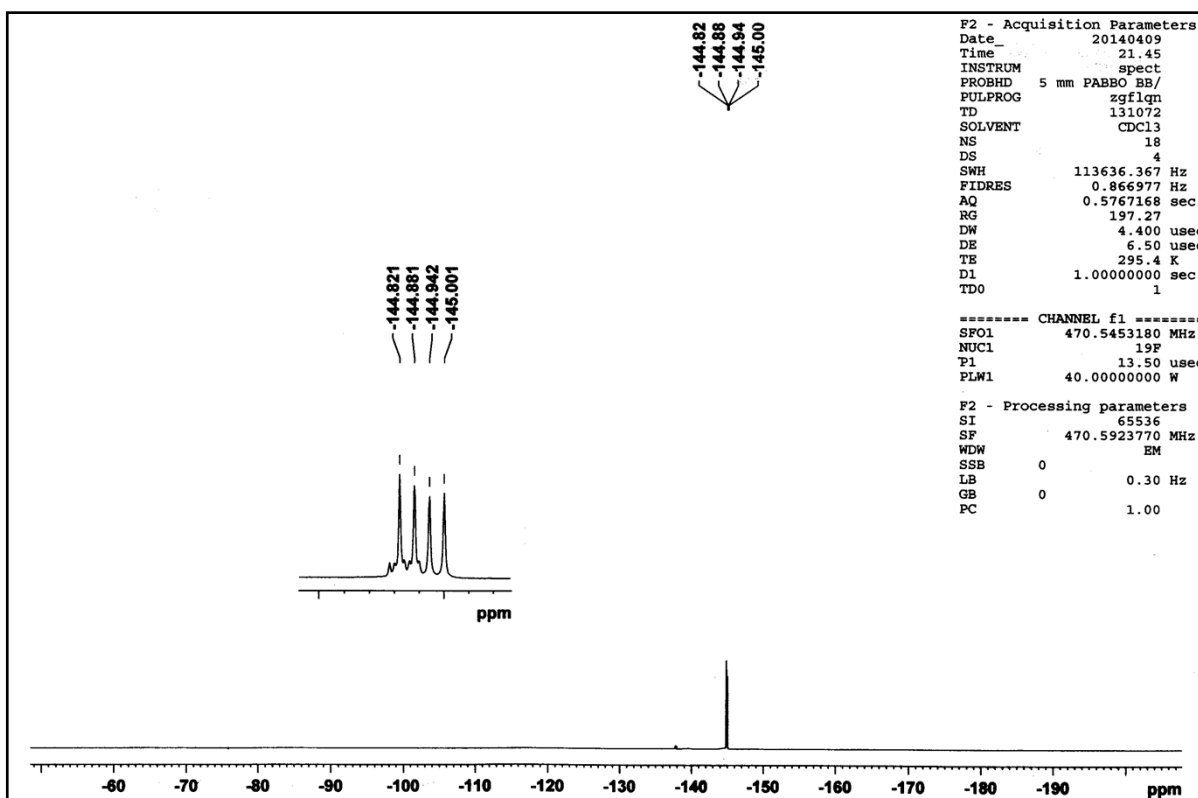
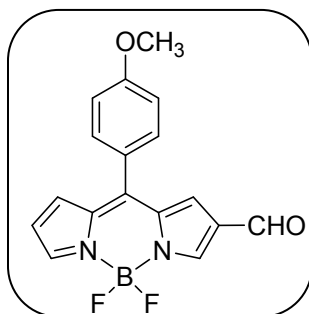


Figure S4: ^{19}F NMR spectrum of BODIPY 3 recorded in CDCl_3 . Inset shows the expansion

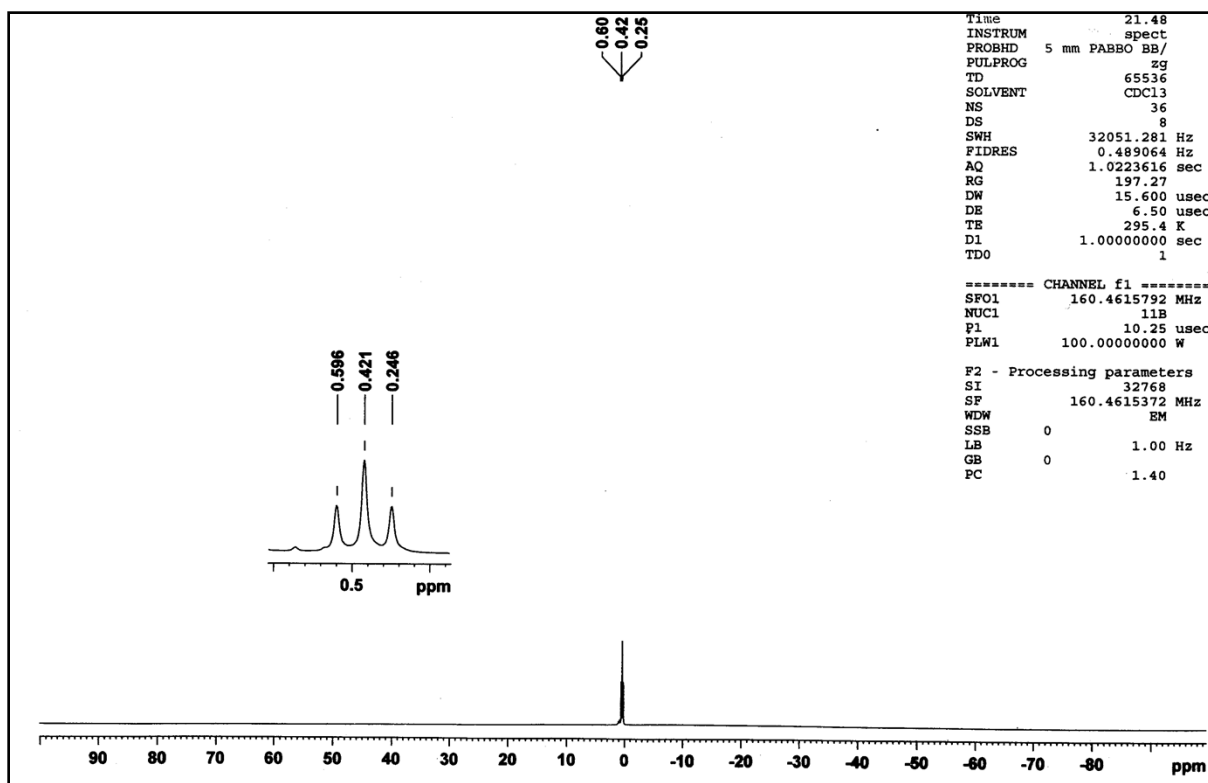
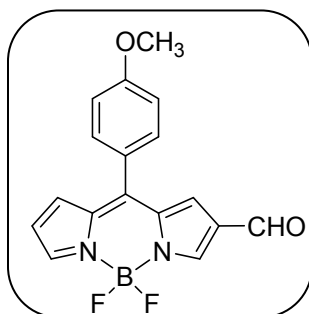


Figure S5: ^{11}B NMR spectrum of BODIPY **3** recorded in CDCl_3 . Inset shows the expansion.

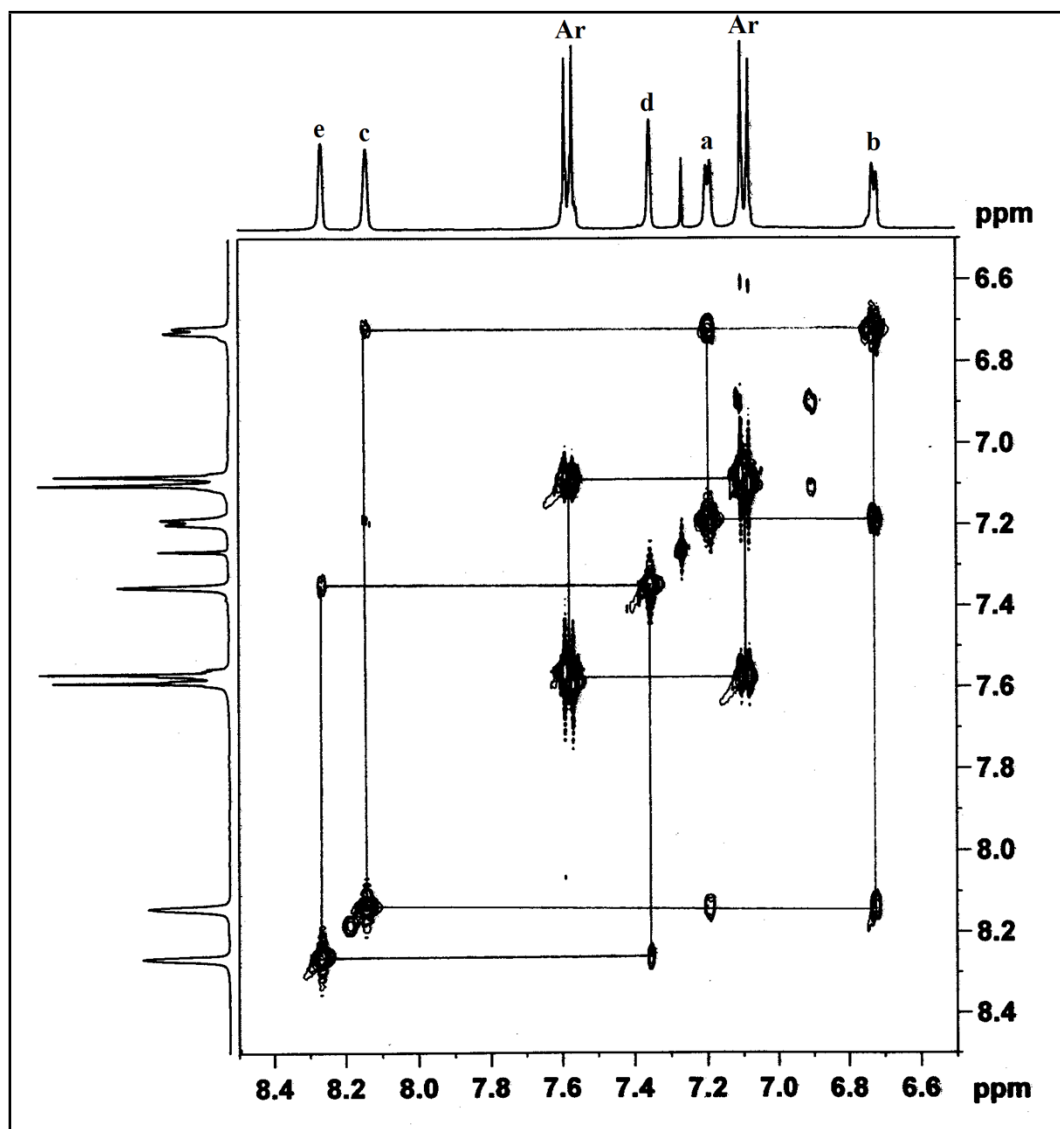
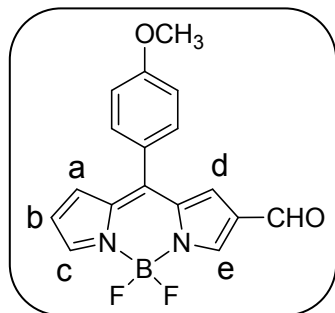


Figure S6: Partial ¹H-¹H COSY spectrum of BODIPY 3 recorded in CDCl₃.

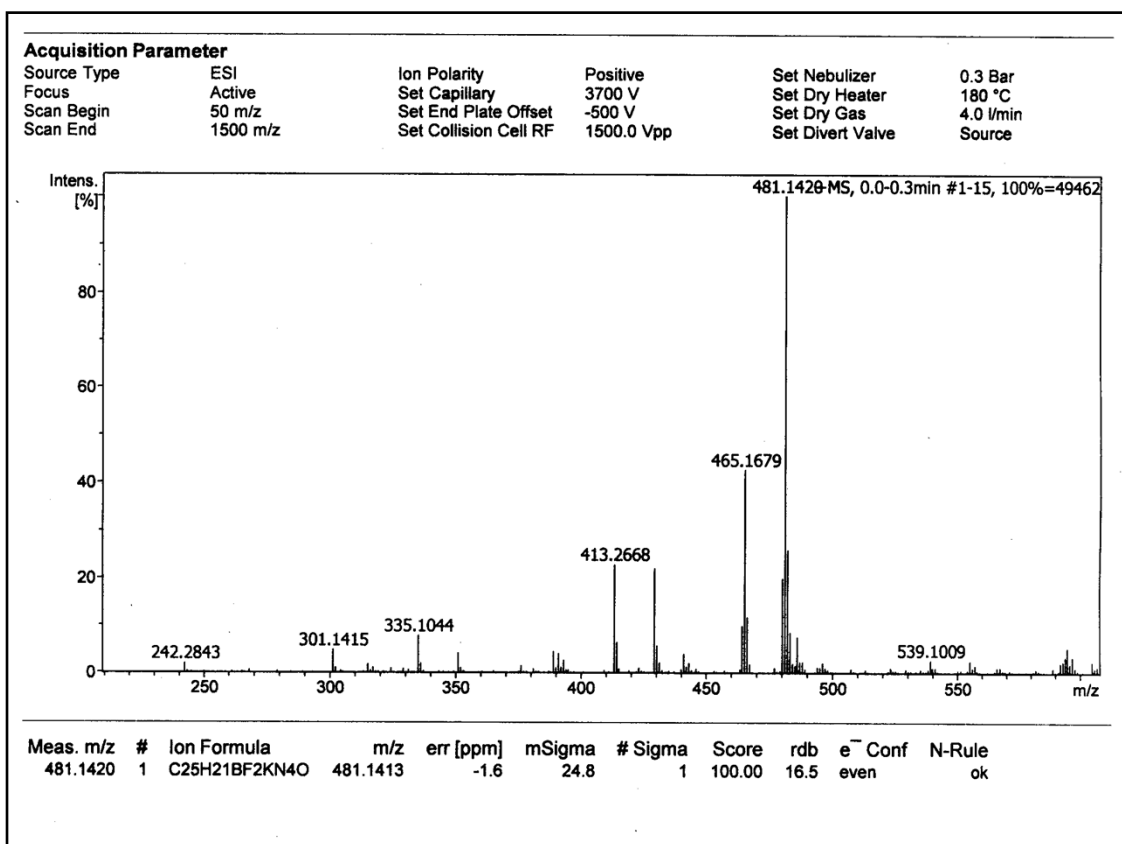
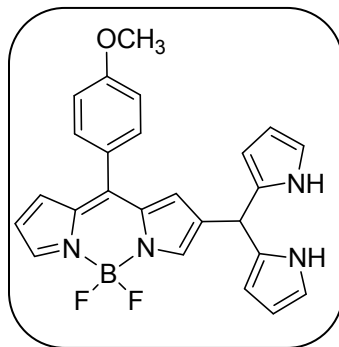


Figure S7: HR mass spectrum of BODIPY 4

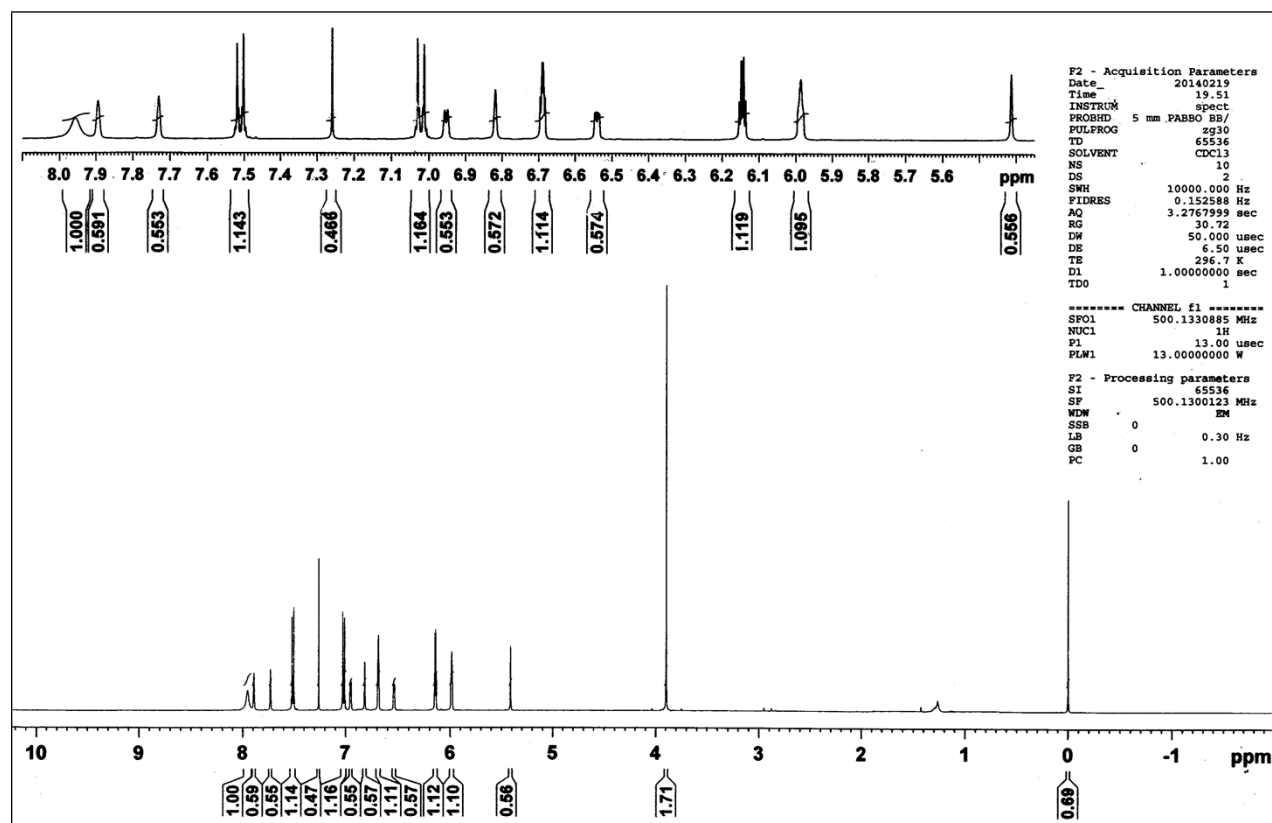
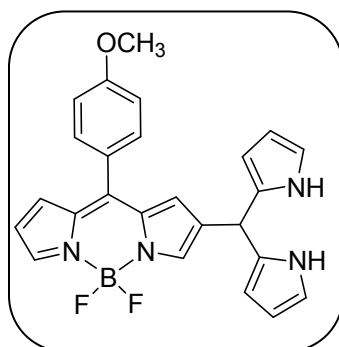


Figure S8: ¹H NMR spectrum of BODIPY 4 recorded in CDCl₃

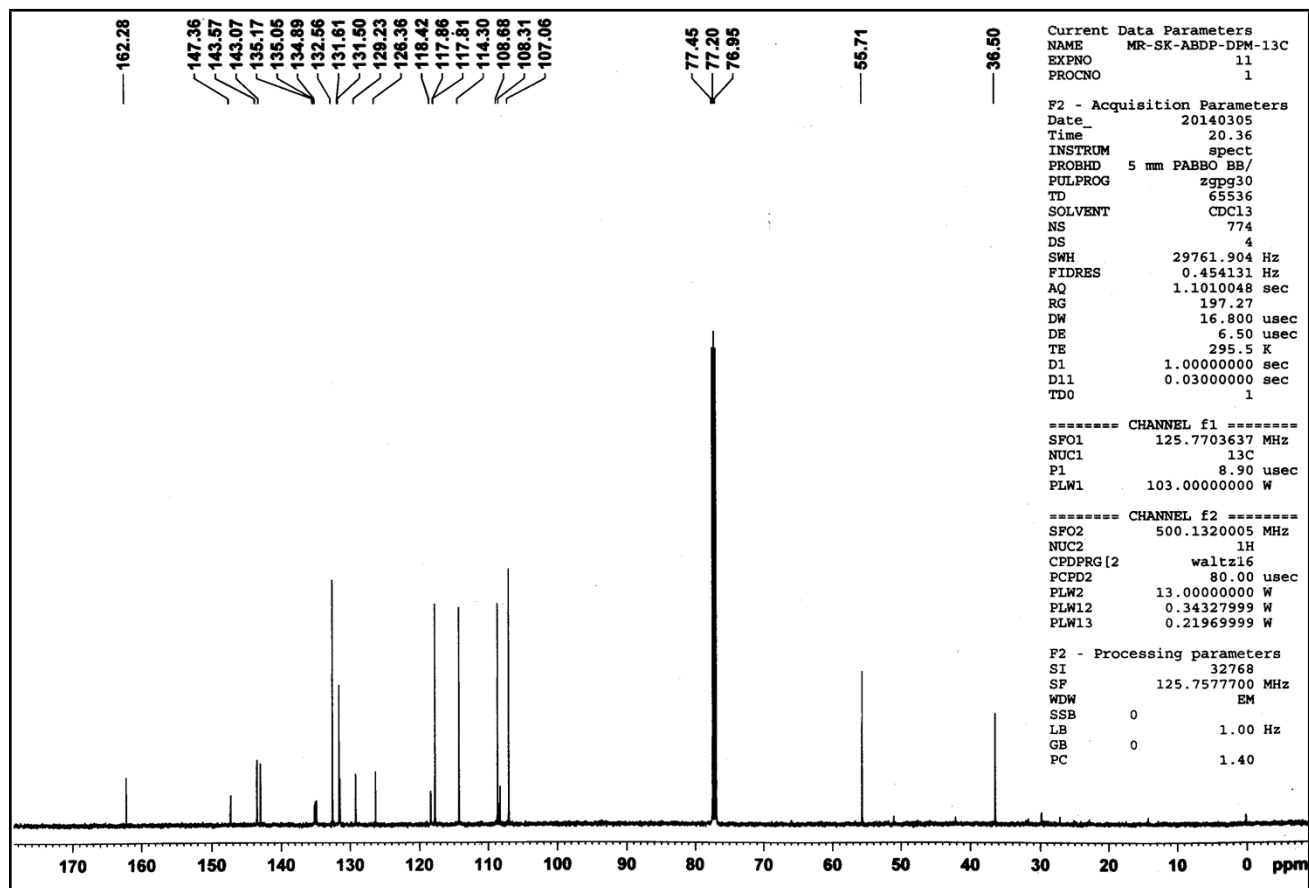
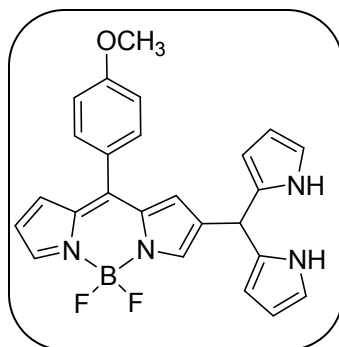


Figure S9: ^{13}C NMR spectrum of BODIPY 4 recorded in CDCl_3

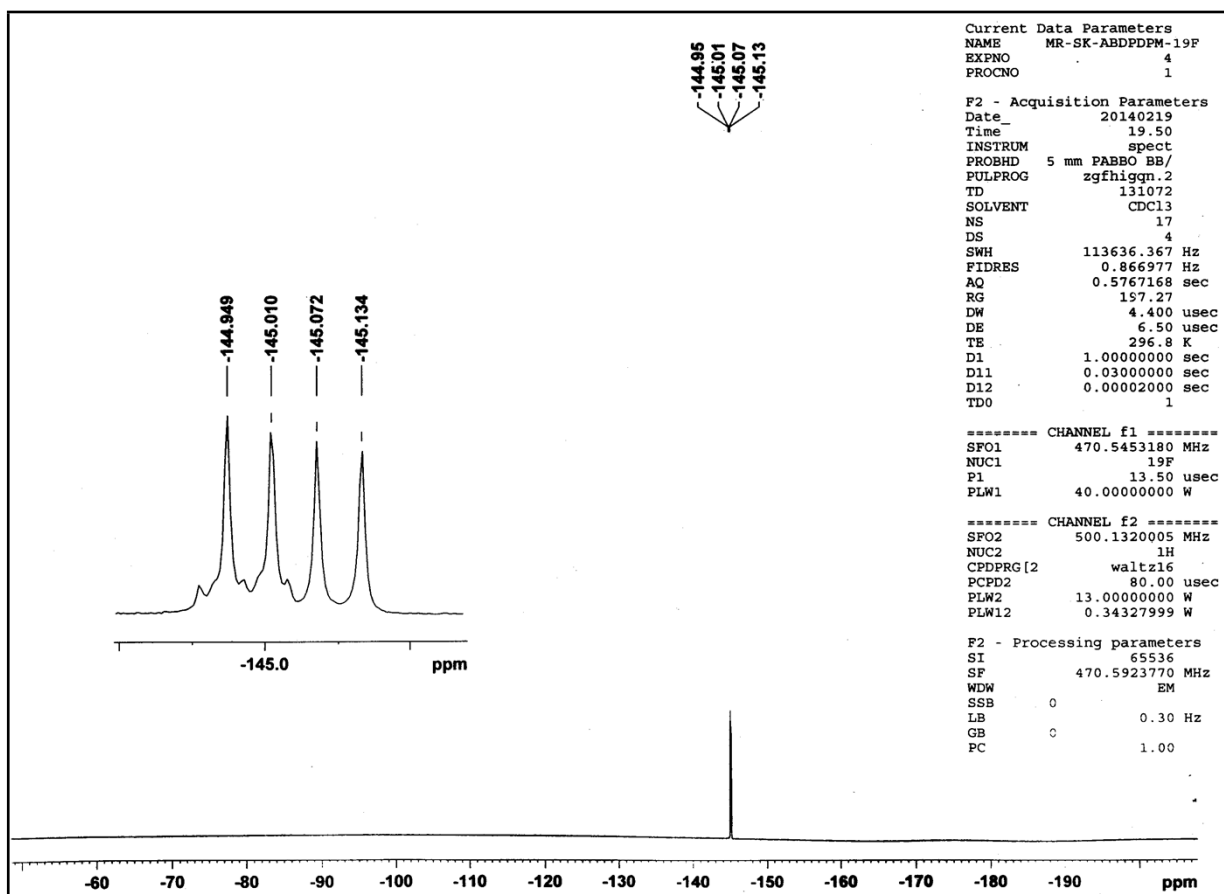
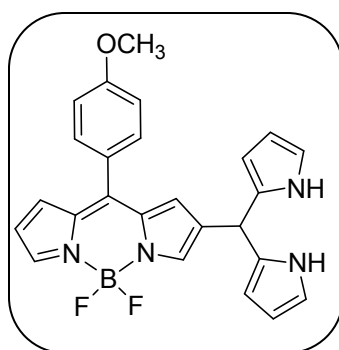


Figure S10: ^{19}F NMR spectrum of BODIPY 4 recorded in CDCl_3 . Inset shows the expansion.

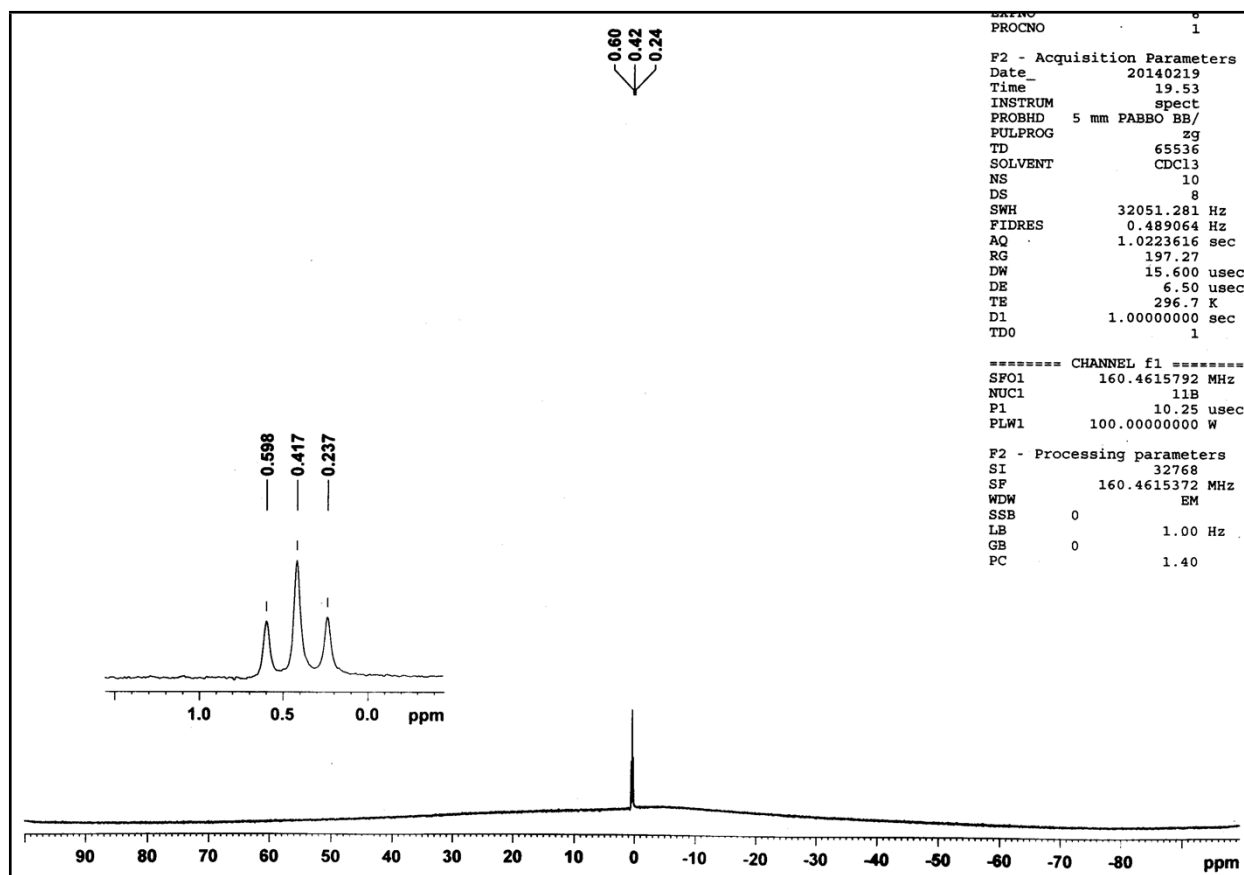
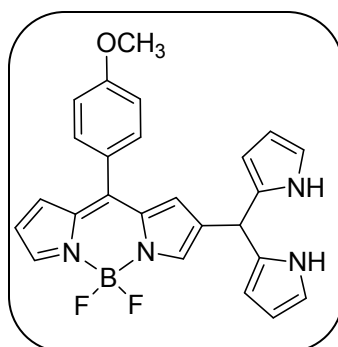


Figure S11: ^{11}B NMR spectrum of BODIPY 4 recorded in CDCl_3 . Inset shows the expansion

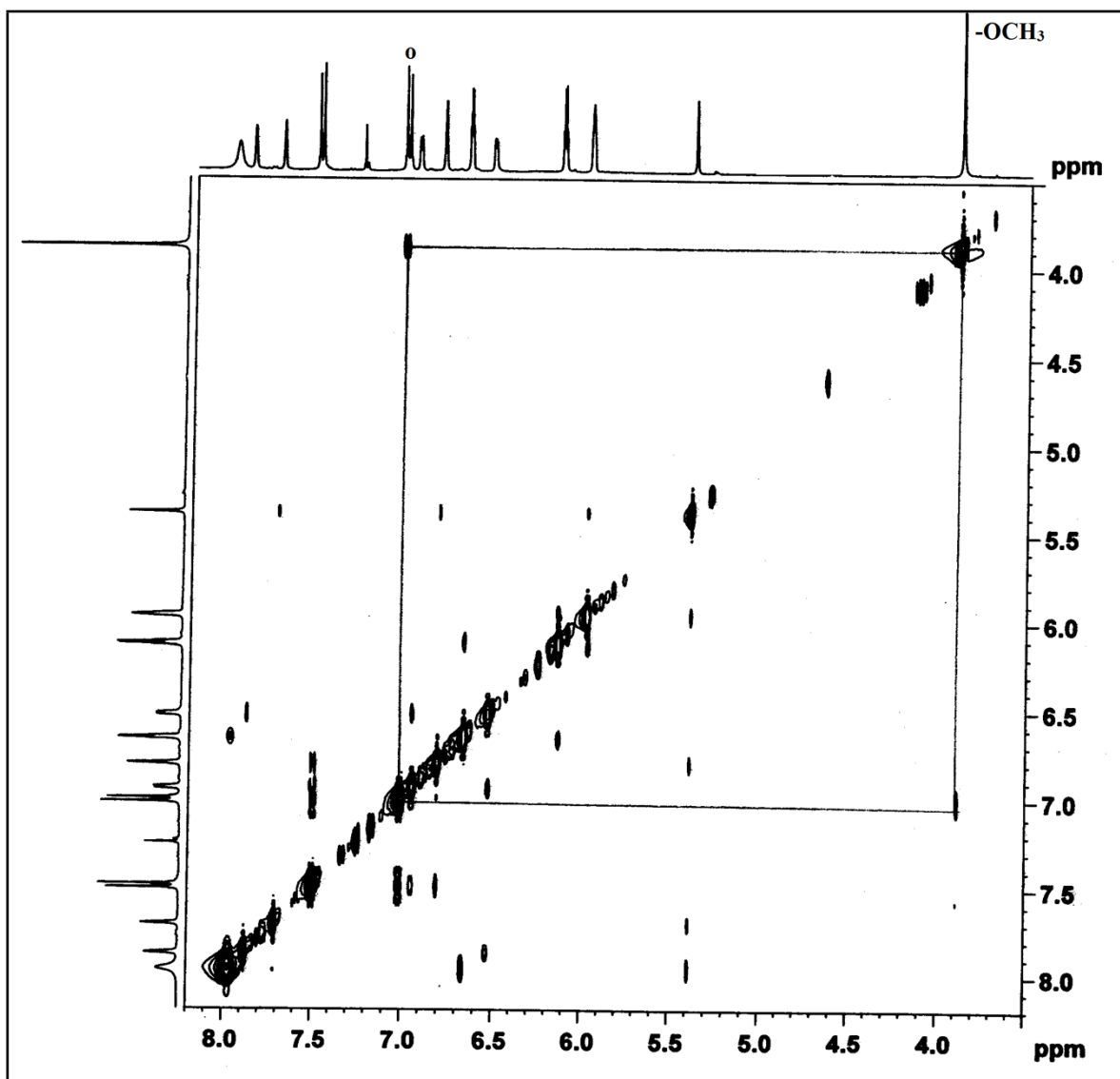
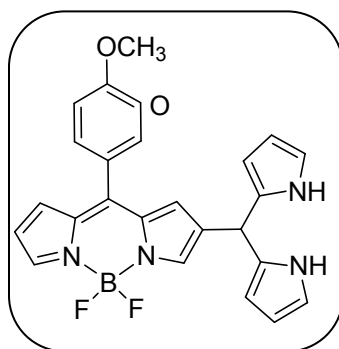


Figure S12: ^1H - ^1H NOESY spectrum of BODIPY 4 recorded in CDCl_3 .

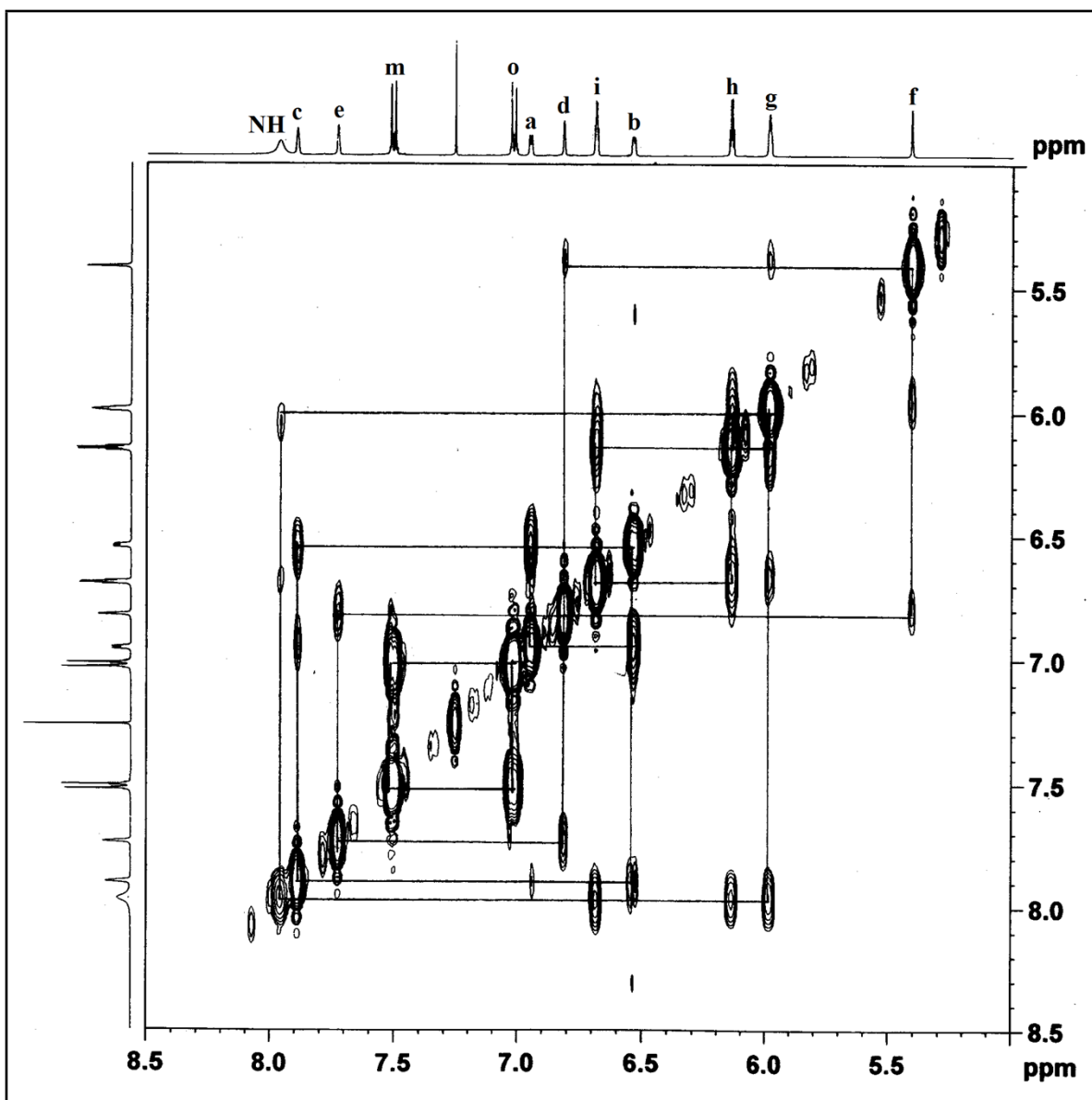
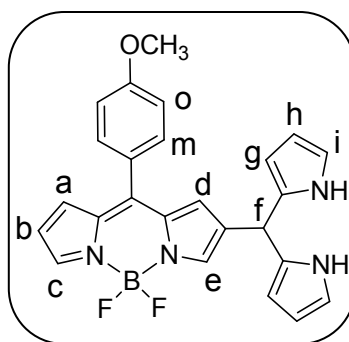


Figure S13: Partial ^1H - ^1H COSY spectrum of BODIPY 4 recorded in CDCl_3 .

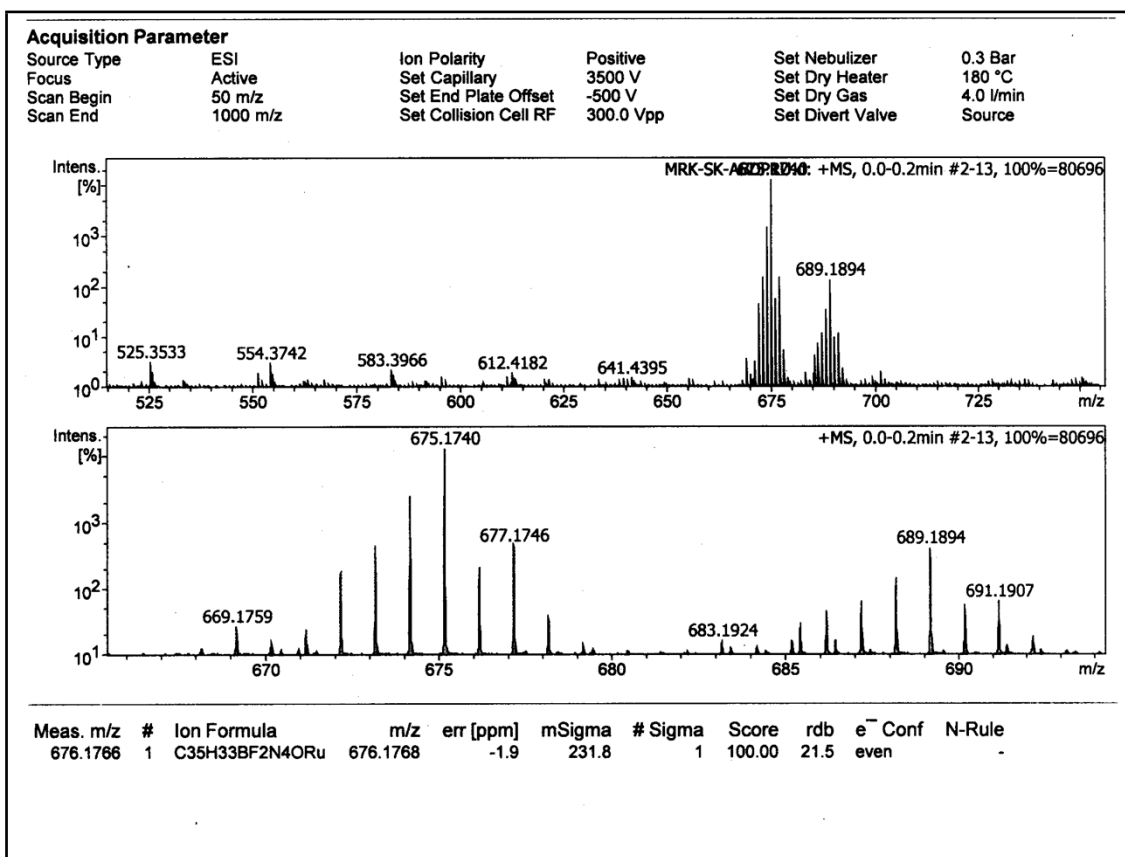
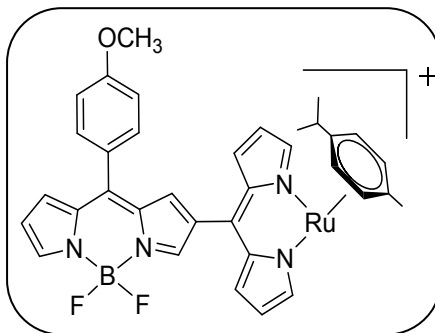


Figure S14: HR mass spectrum of BODIPY 1

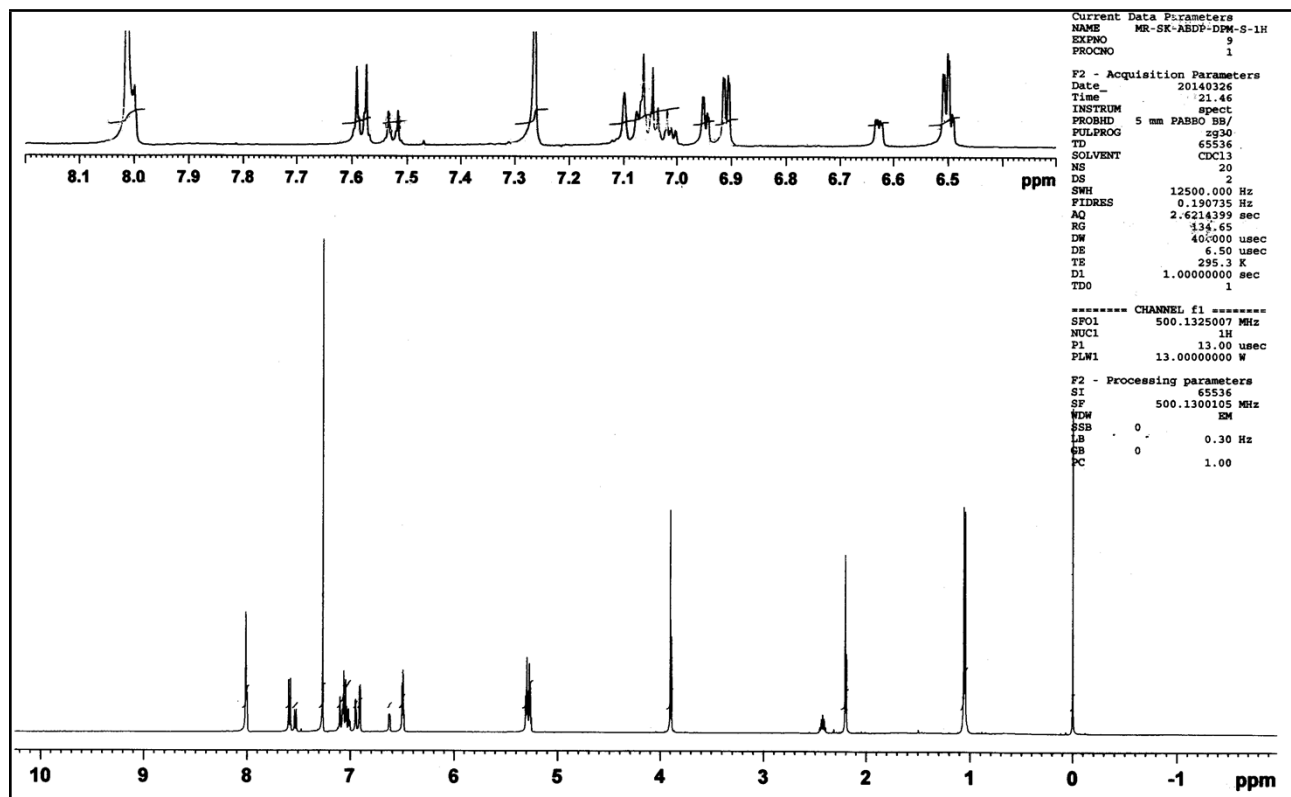
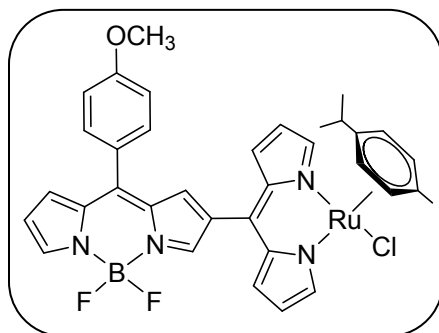


Figure S15: ^1H NMR spectrum of BODIPY 1 recorded in CDCl_3

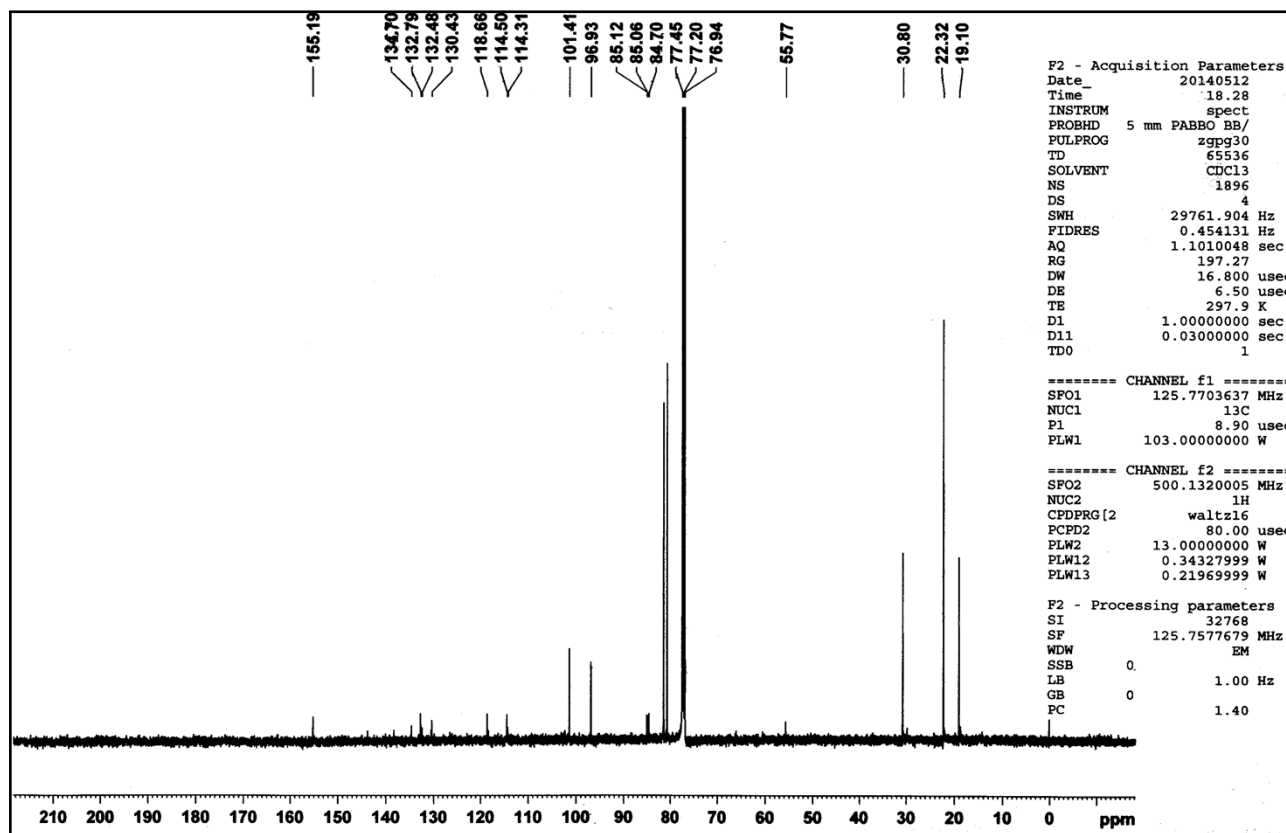
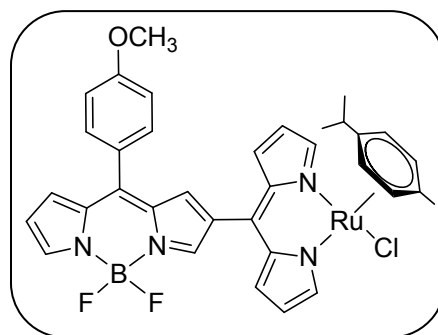


Figure S16: ^{13}C NMR spectrum of BODIPY 1 recorded in CDCl_3

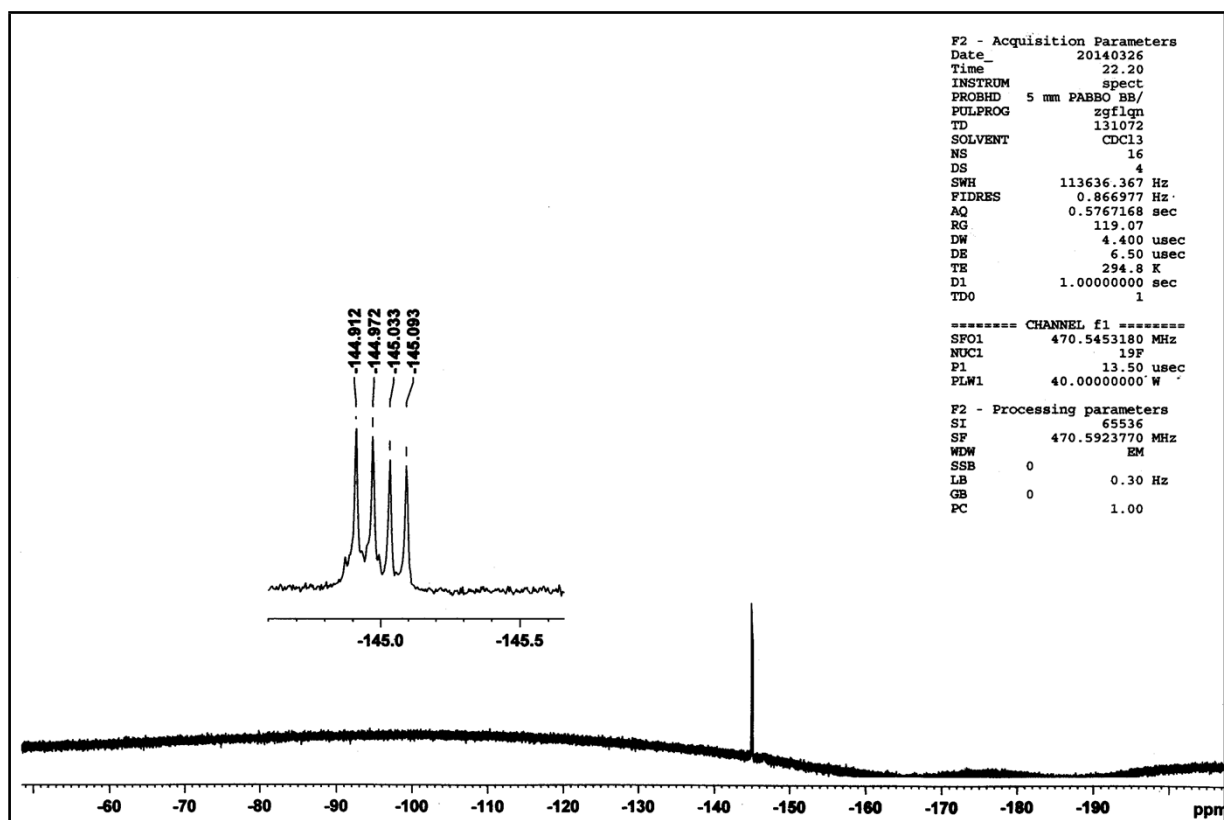
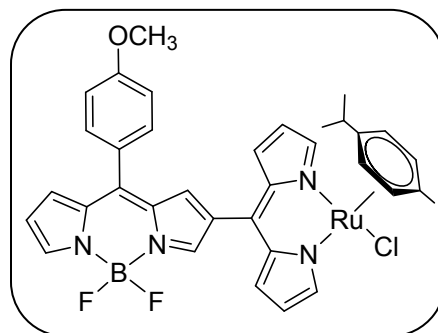


Figure S17: ^{19}F NMR spectrum of BODIPY 1 recorded in CDCl_3 . Inset shows the expansion.

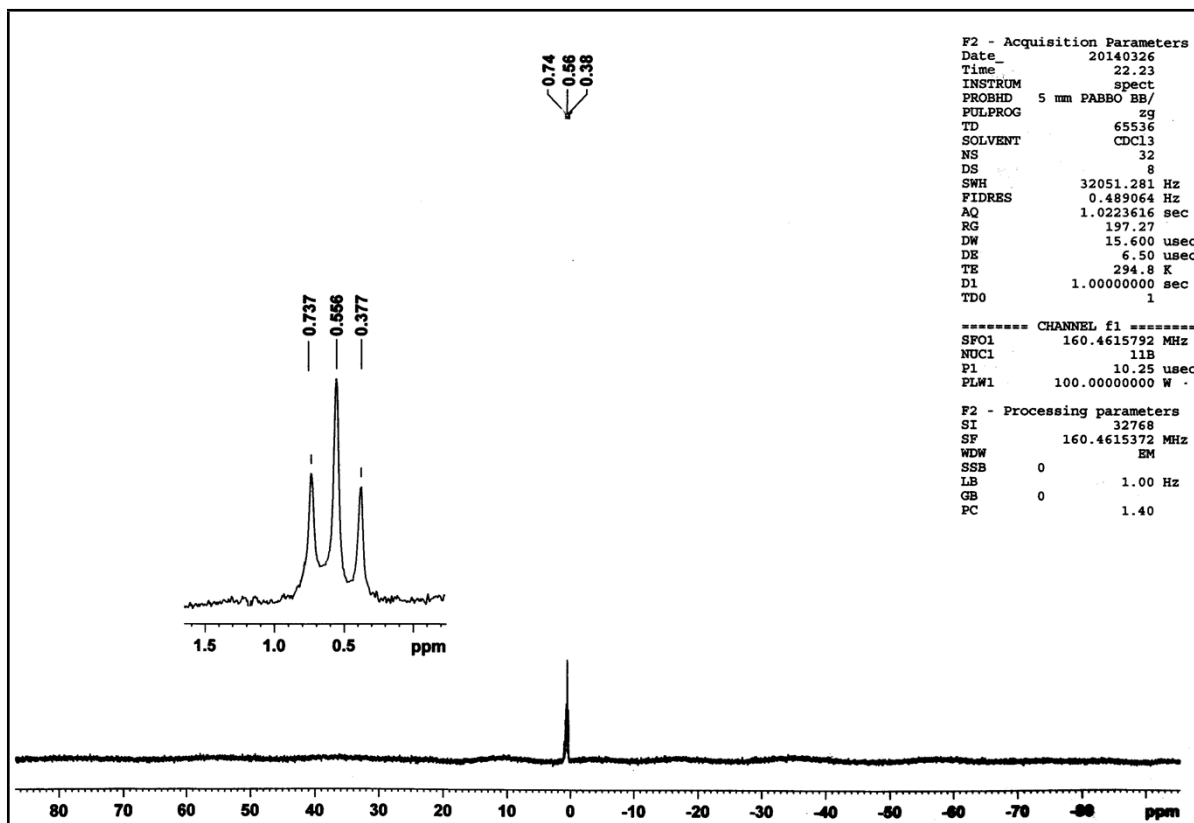
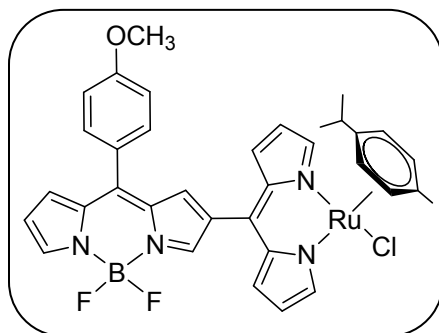
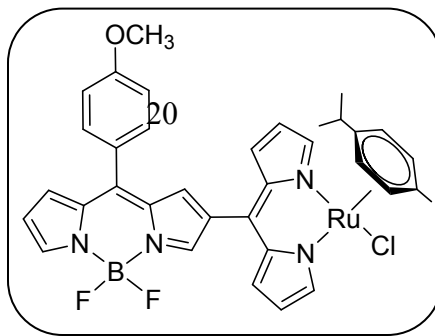


Figure S18: ^{11}B NMR spectrum of BODIPY **1** recorded in CDCl_3 . Inset shows the expansion.



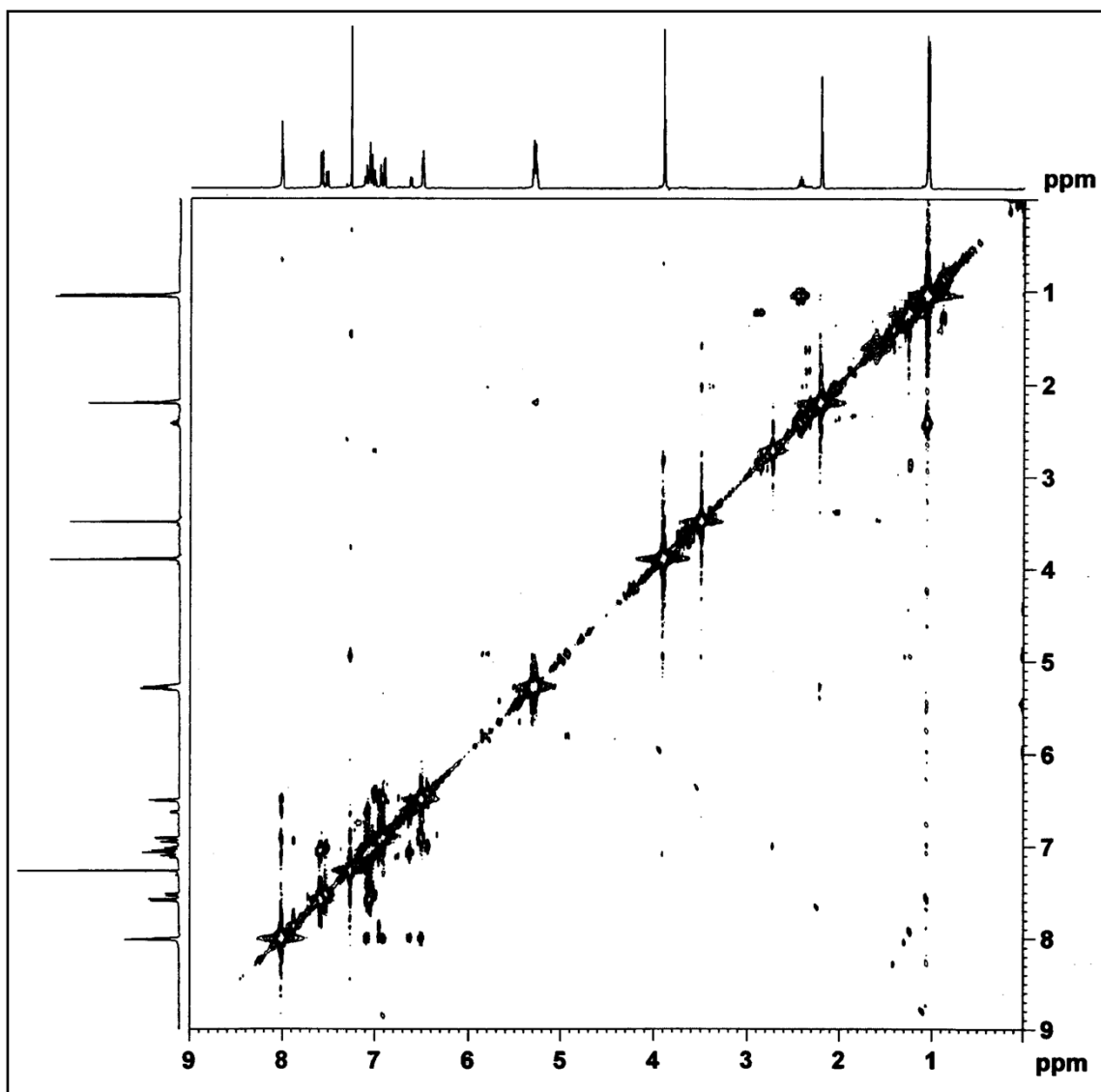
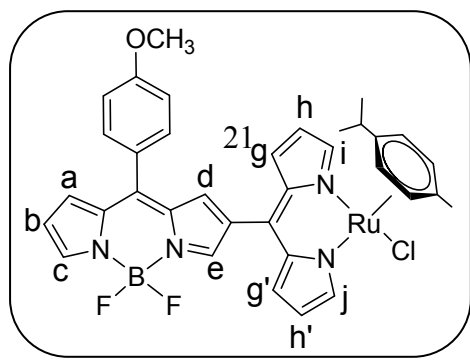


Figure S19: ^1H - ^1H COSY spectrum of BODIPY 1 recorded in CDCl_3 .



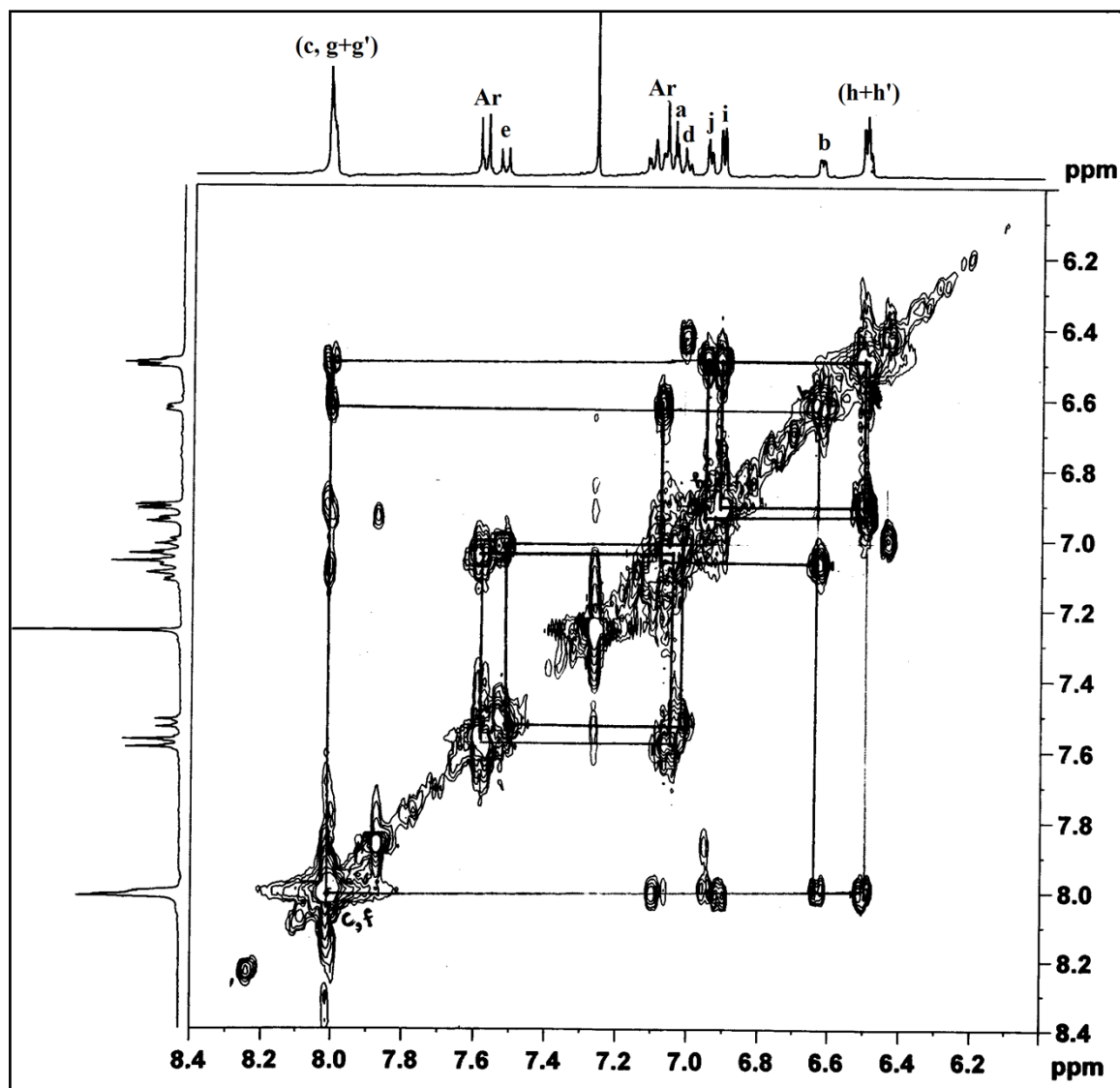
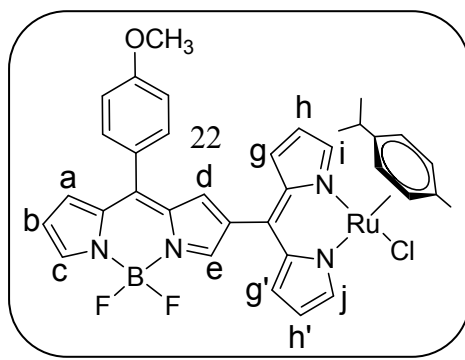


Figure S20: Partial ^1H - ^1H COSY spectrum of BODIPY 1 recorded in CDCl_3 .



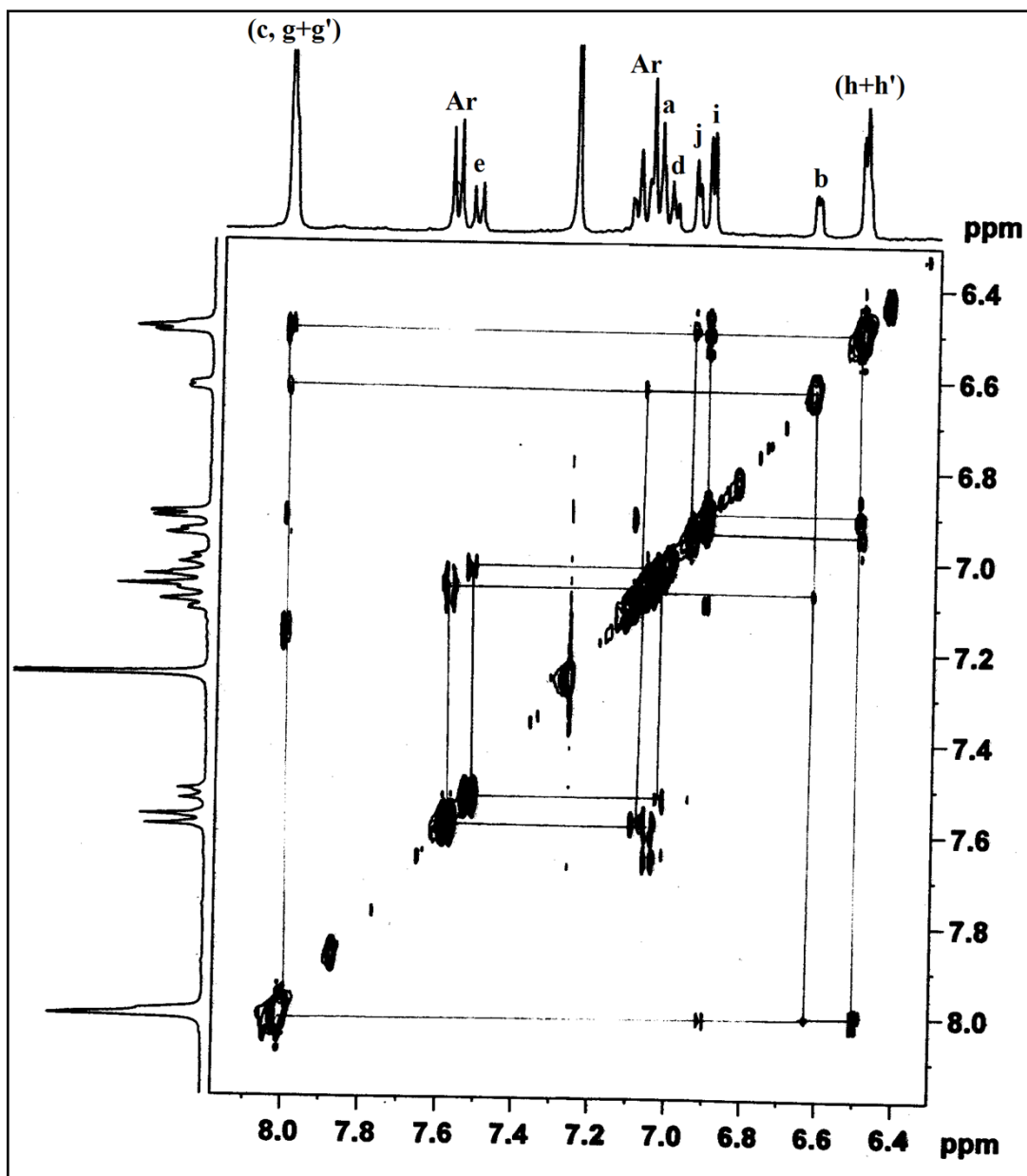


Figure S21: Partial ¹H-¹H NOESY spectrum of BODIPY 1 recorded in CDCl₃.

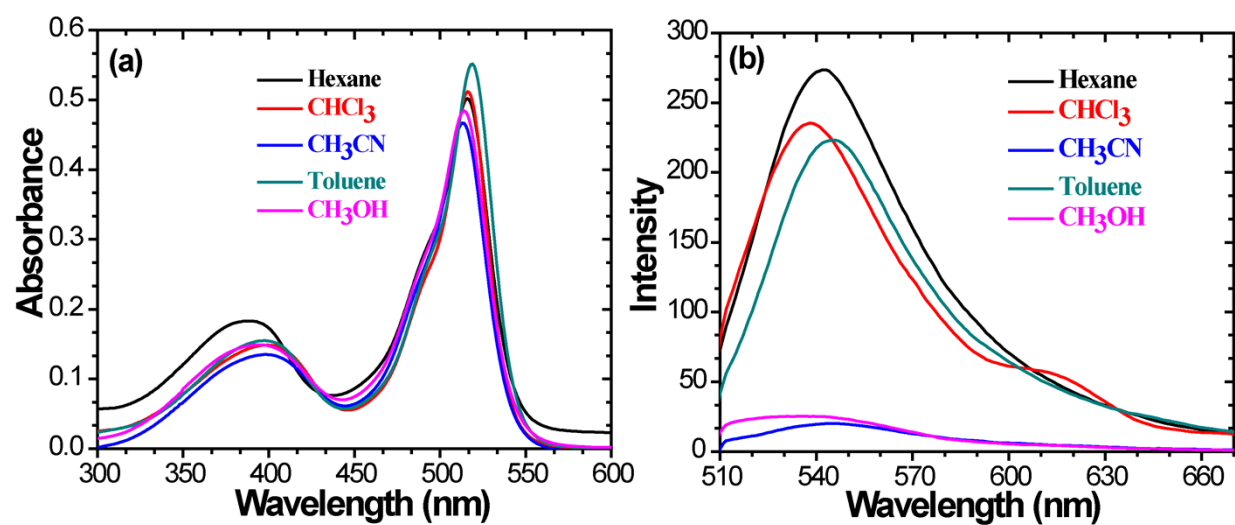


Figure S22: a) Absorption, b) emission spectra of BODIPY 4 (5 μM) recorded in different solvents. Excitation wavelength used was 488 nm.

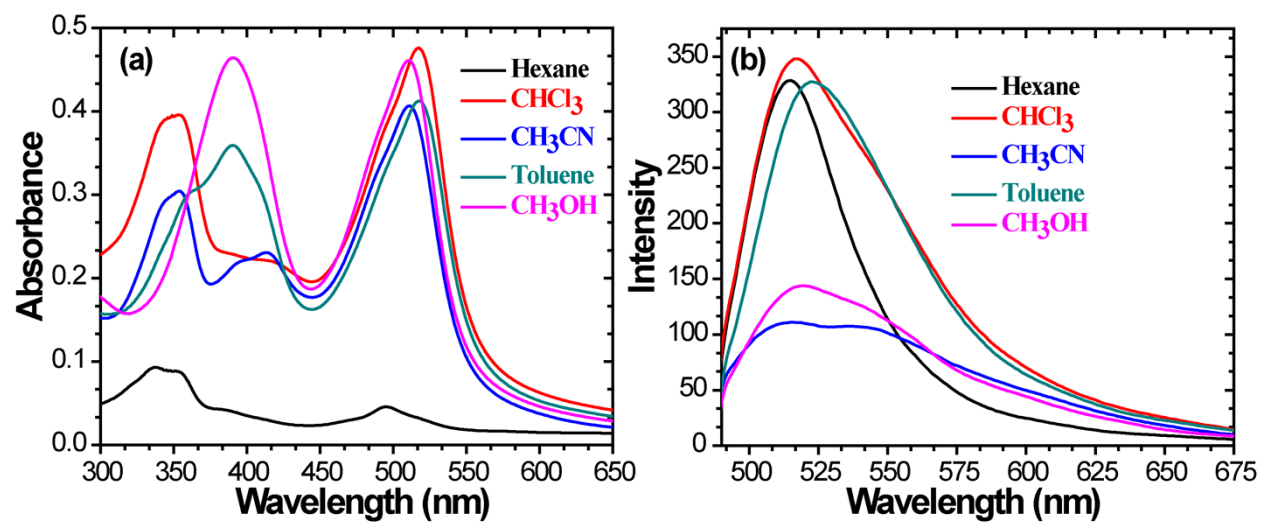


Figure S23: a) Absorption, b) emission spectra of BODIPY 1 (5 μM) recorded in different solvents. Excitation wavelength used was 488 nm.

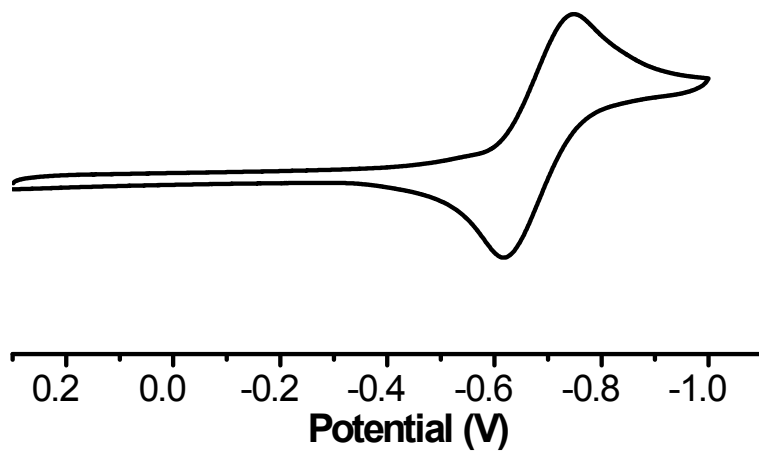


Figure S24: Reduction wave of the cyclic voltammogram of BODIPY **4** in dichloromethane containing 0.1 M tetrabutylammonium perchlorate as the supporting electrolyte recorded at a 50 mV s⁻¹ scan rate.

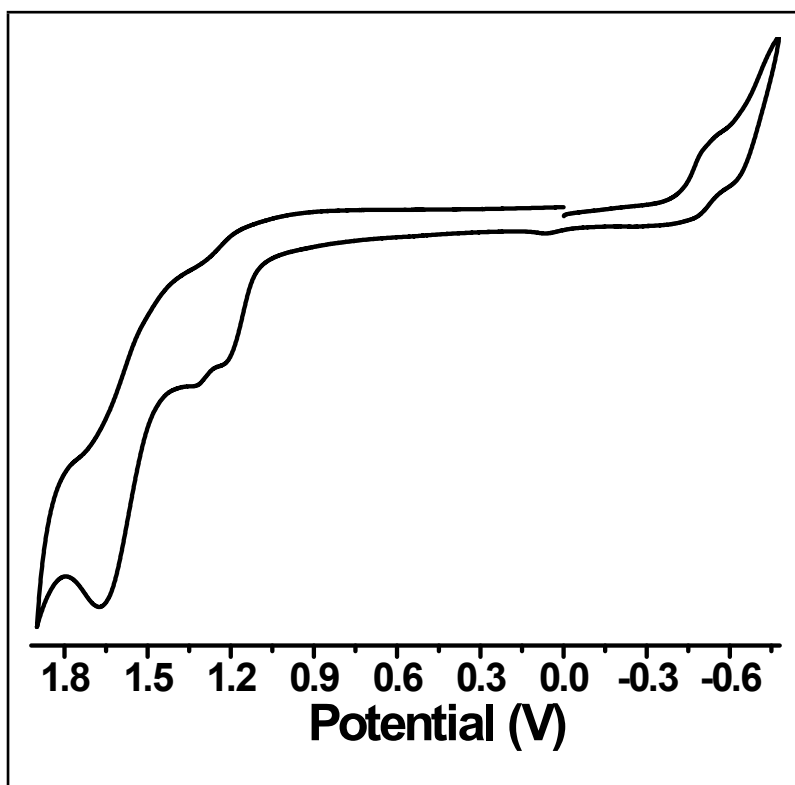


Figure S25: Cyclic voltammogram of BODIPY **1** in dichloromethane containing 0.1 M tetrabutylammonium perchlorate as the supporting electrolyte recorded at a 50 mV s⁻¹ scan rate.

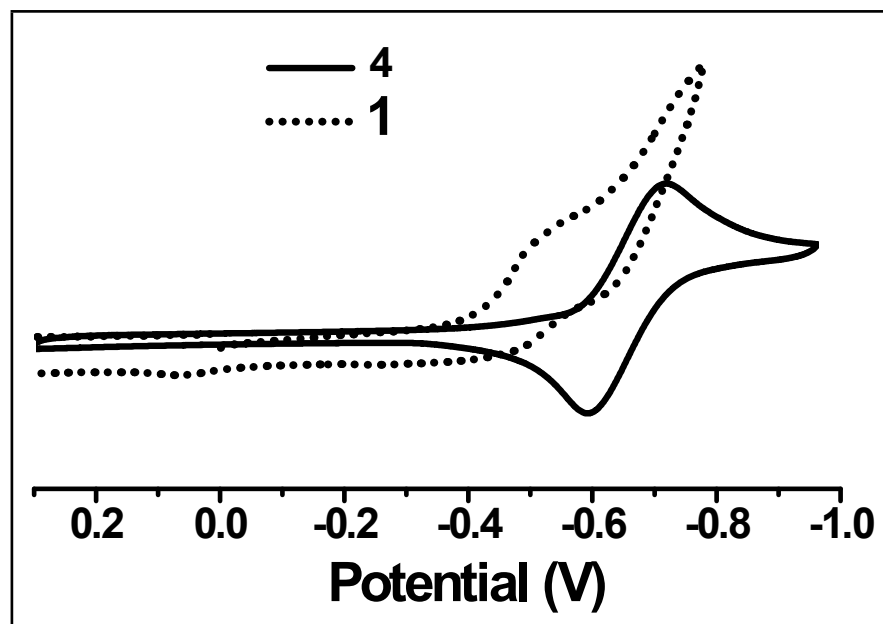


Figure S26: Comparison of reduction waves of the cyclic voltammograms of BODIPYs 1 and 4 in dichloromethane containing 0.1 M tetrabutylammonium perchlorate as the supporting electrolyte recorded at a 50 mV s^{-1} scan rate.