

Supporting information

Tailoring molecular design of twisted dihydrobenzodioxin phenanthroimidazole derivatives for non-doped blue organic light emitting devices

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Contents

1. Scheme S1
2. Figures S1-S9

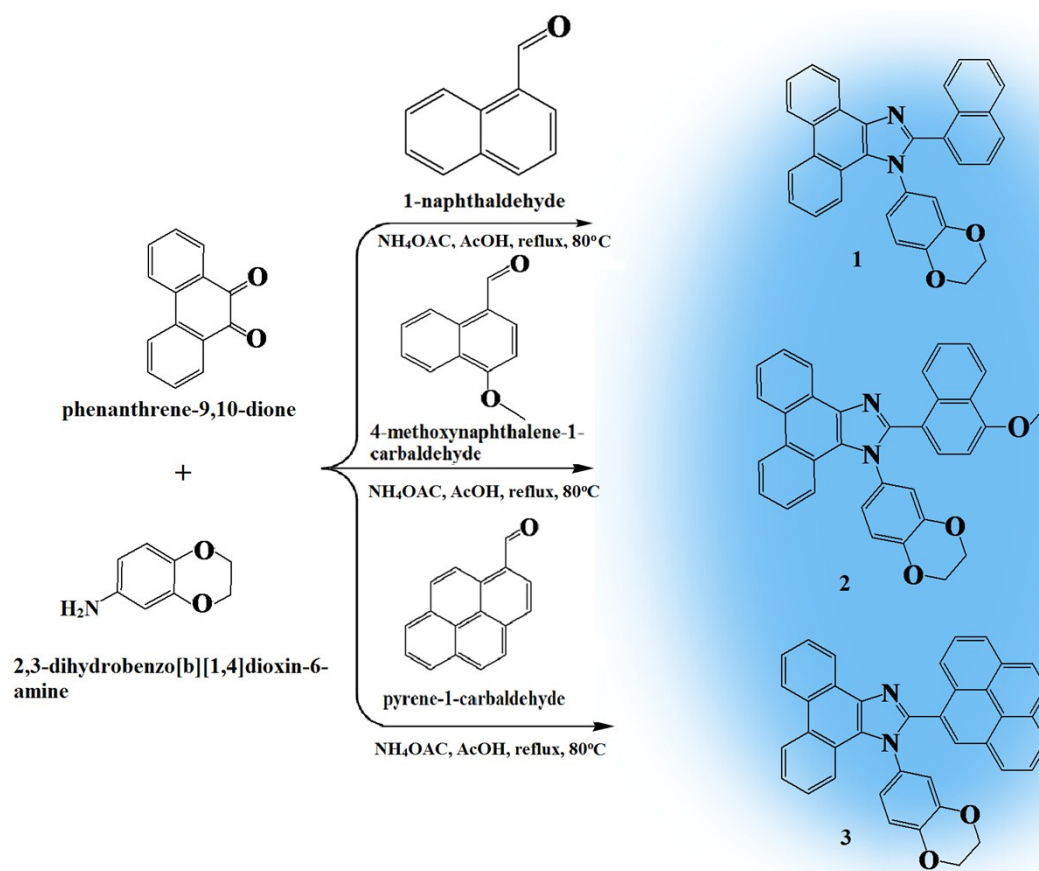
Scheme S1. Synthetic route for fused polycyclic aryl dihydrobenzodioxin phenanthrimidazoles.

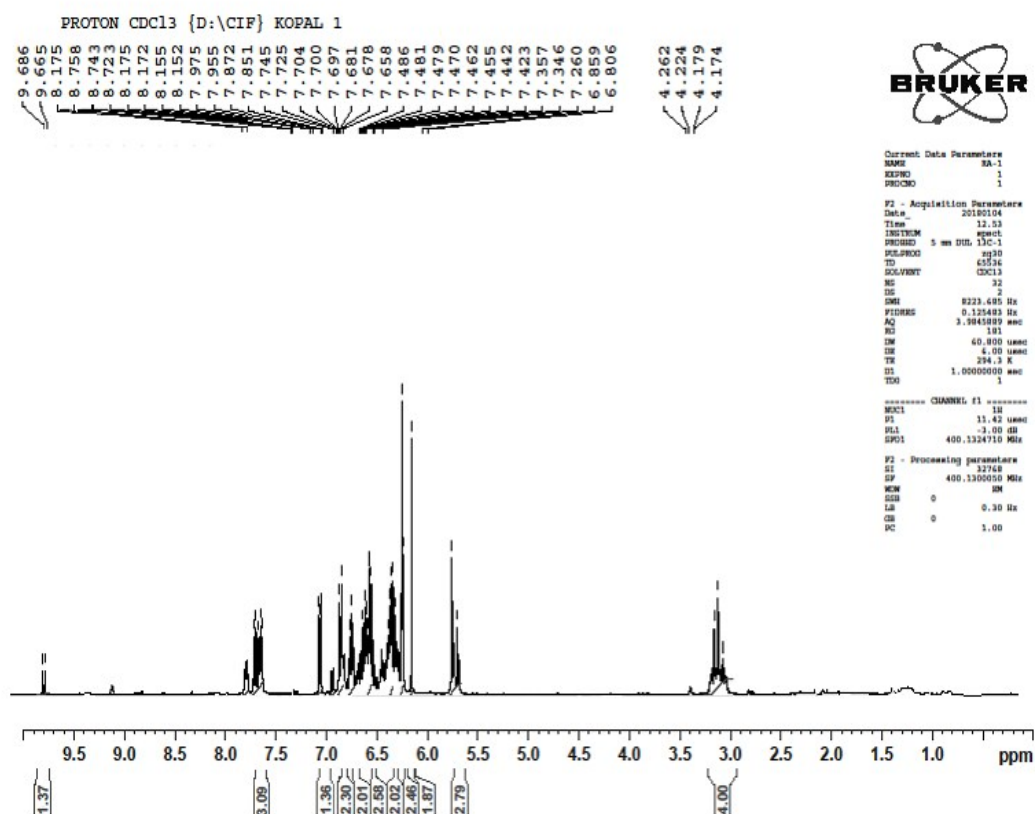
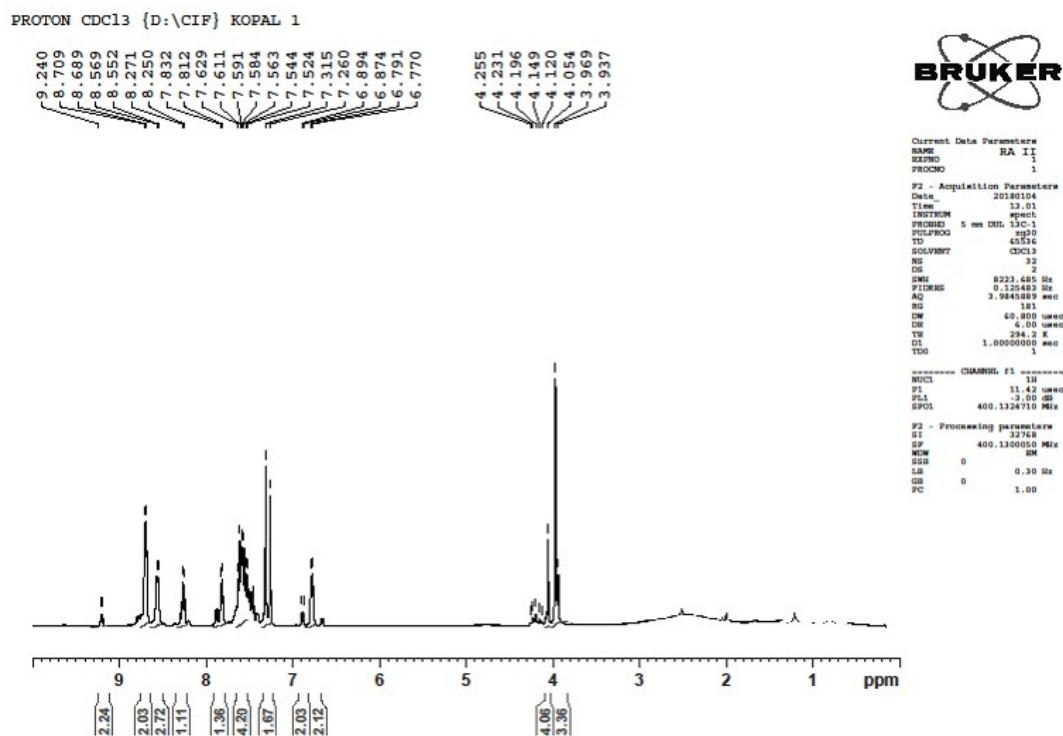
Figure S1: ^1H NMR spectrum of naphthyl dihydrobenzodioxin phenanthrimidazole (1)Figure S2: ^1H NMR spectra of methoxynaphthyl dihydrobenzodioxin phenanthrimidazole (2)

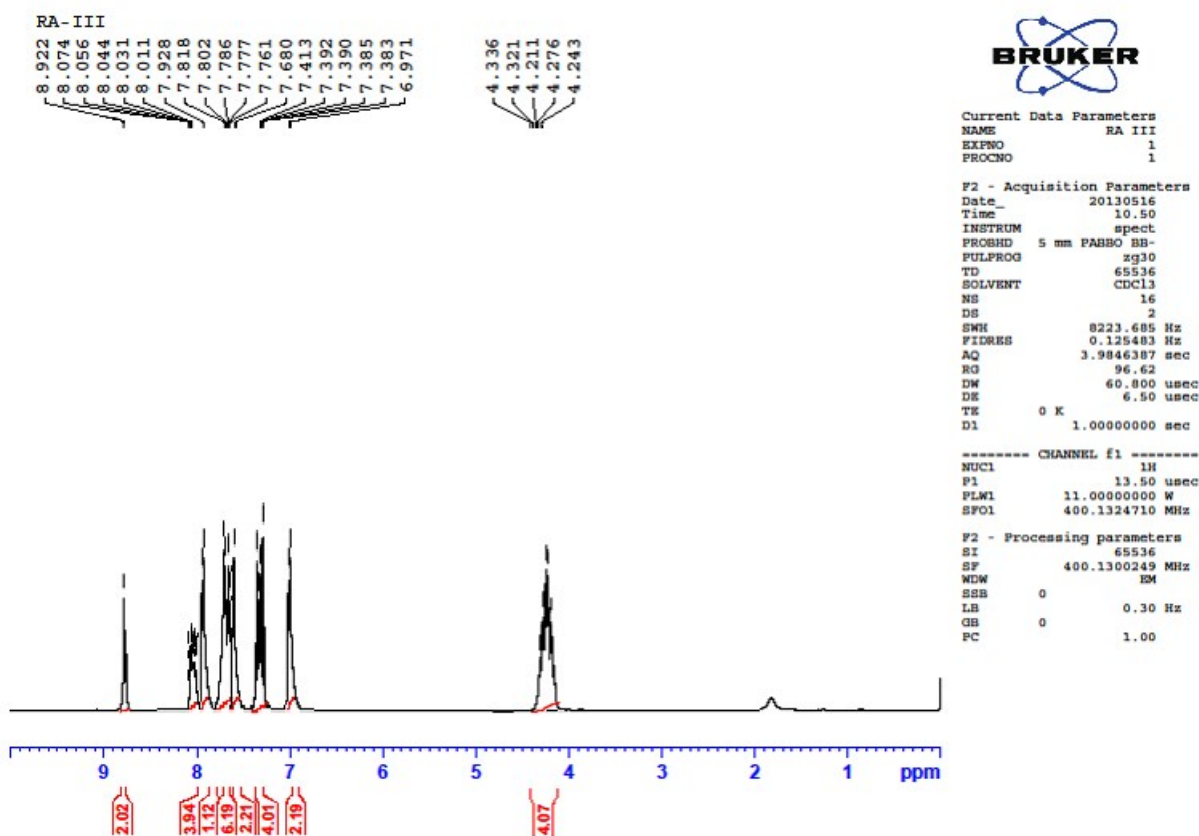
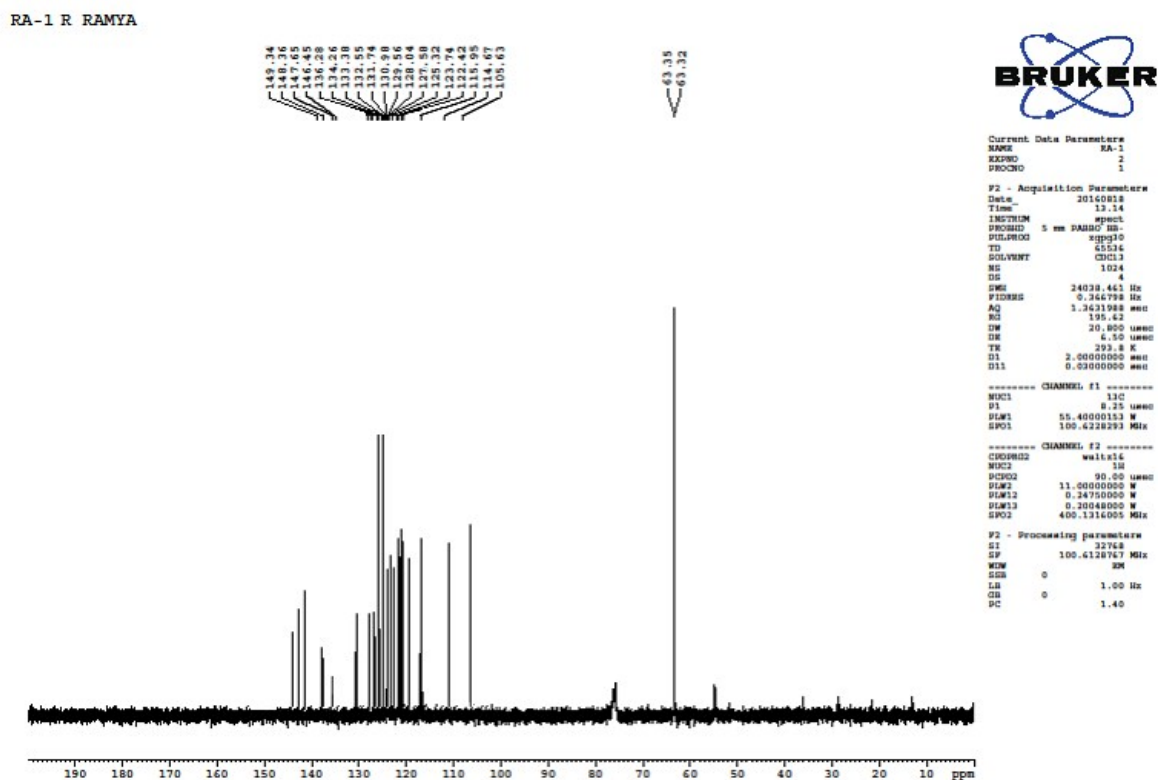
Figure S3: ^1H NMR spectrum of pyrenyl dihydrobenzodioxin phenanthrimidazole (3)Figure S4: ^{13}C NMR spectrum of naphthyl dihydrobenzodioxin phenanthrimidazole (1)

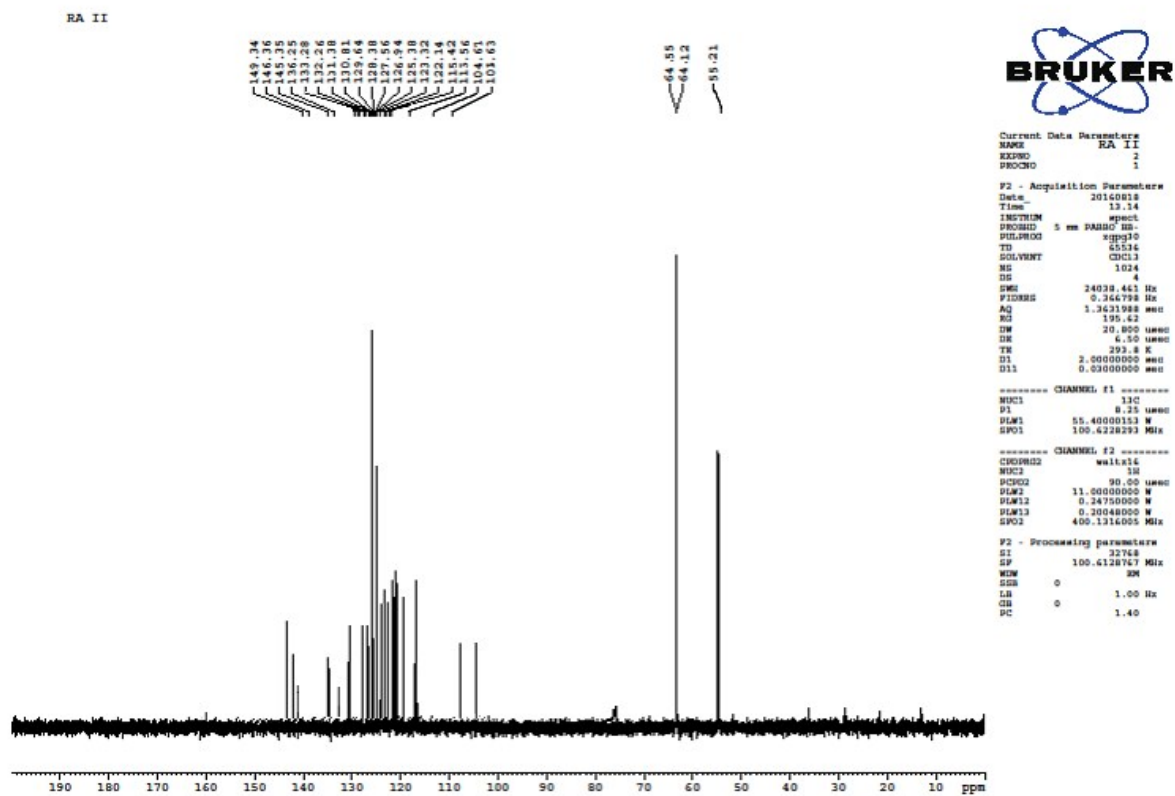
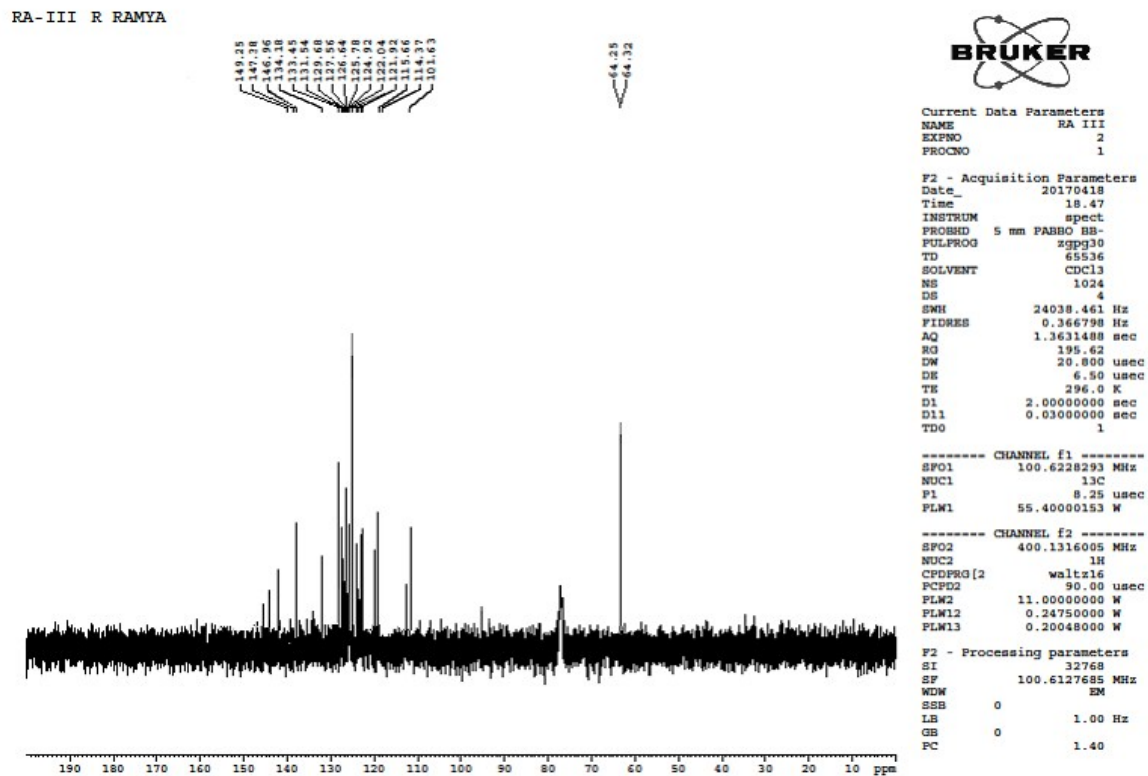
Figure S5: C^{13} NMR spectrum of methoxynaphthyl dihydrobenzodioxin phenanthrimidazole (2)Figure S6: C^{13} NMR spectrum of pyrenyl dihydrobenzodioxin phenanthrimidazole (3)

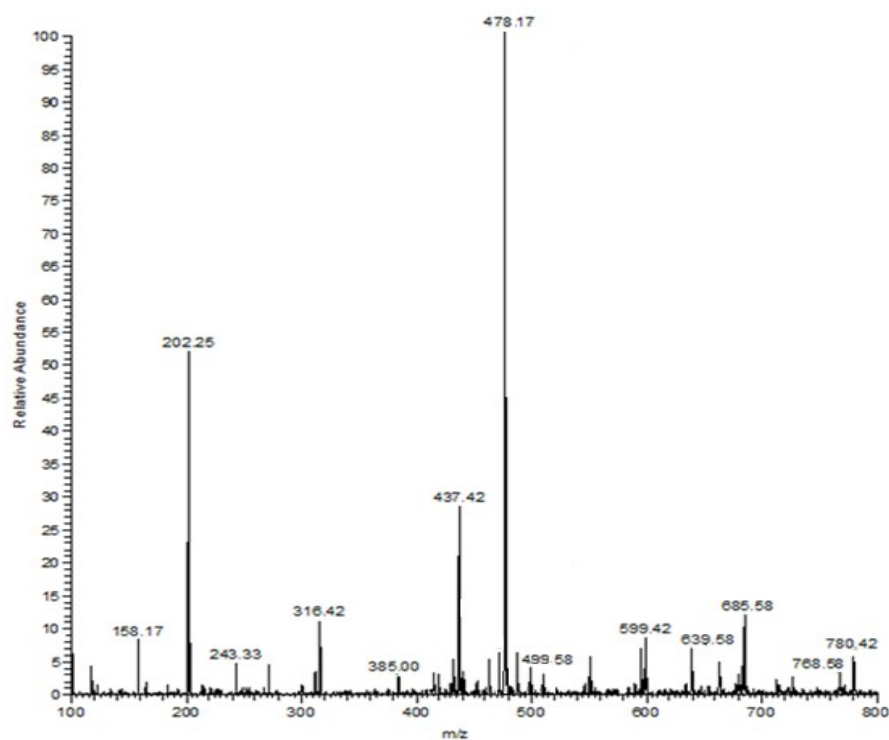
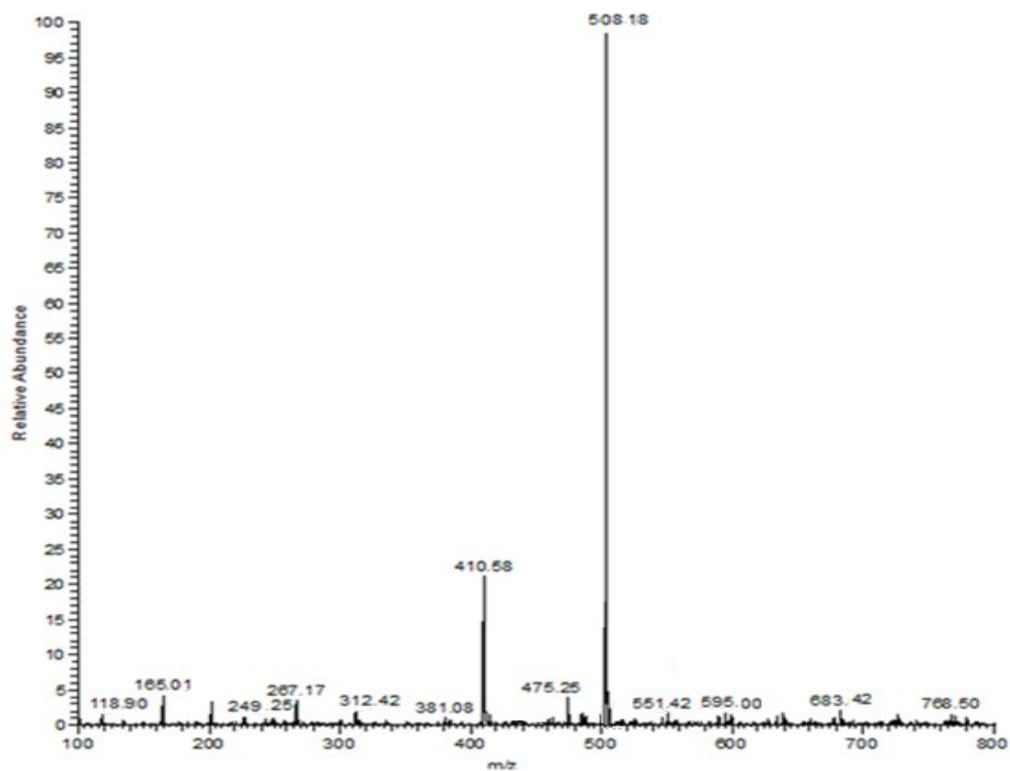
Figure S7: Mass spectrum of naphthyl dihydrobenzodioxin phenanthrimidazole (1)**Figure S8: Mass spectrum of methoxynaphthyl dihydrobenzodioxin phenanthrimidazole (2)**

Figure S9: Mass spectrum of pyrenyl dihydrobenzodioxin phenanthrimidazole (3)