

Electronic Supplementary Information

White Light-Emitting Devices with Single Emitting Layer Based on Bisindolylmaleimide Fluorophores

Zhenghuan Lin^{a,b} Yuh-Sheng Wen^a and Tahsin J. Chow^{*a}

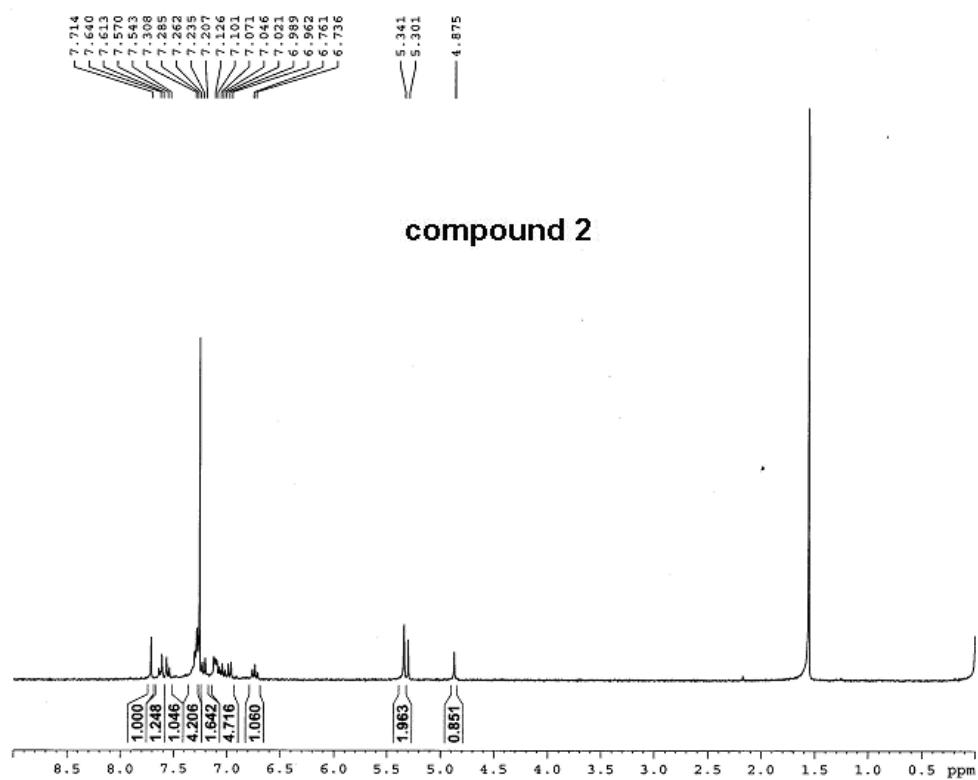
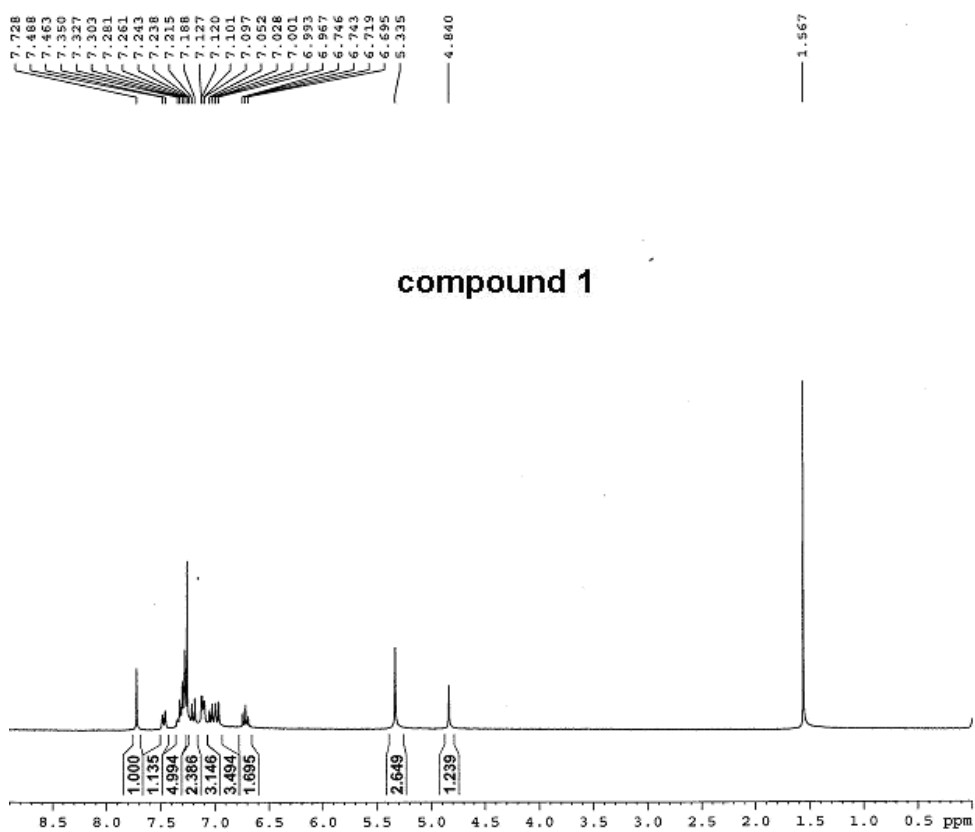
^a *Institute of Chemistry, Academia Sinica, Taipei 115, Taiwan. E-mail:*

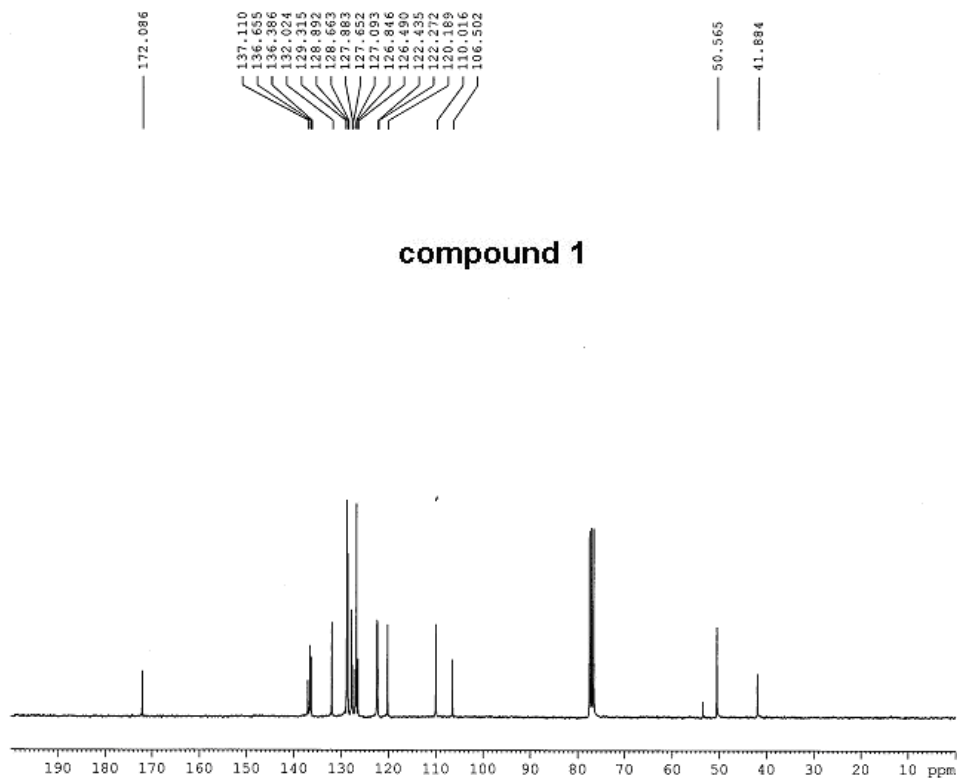
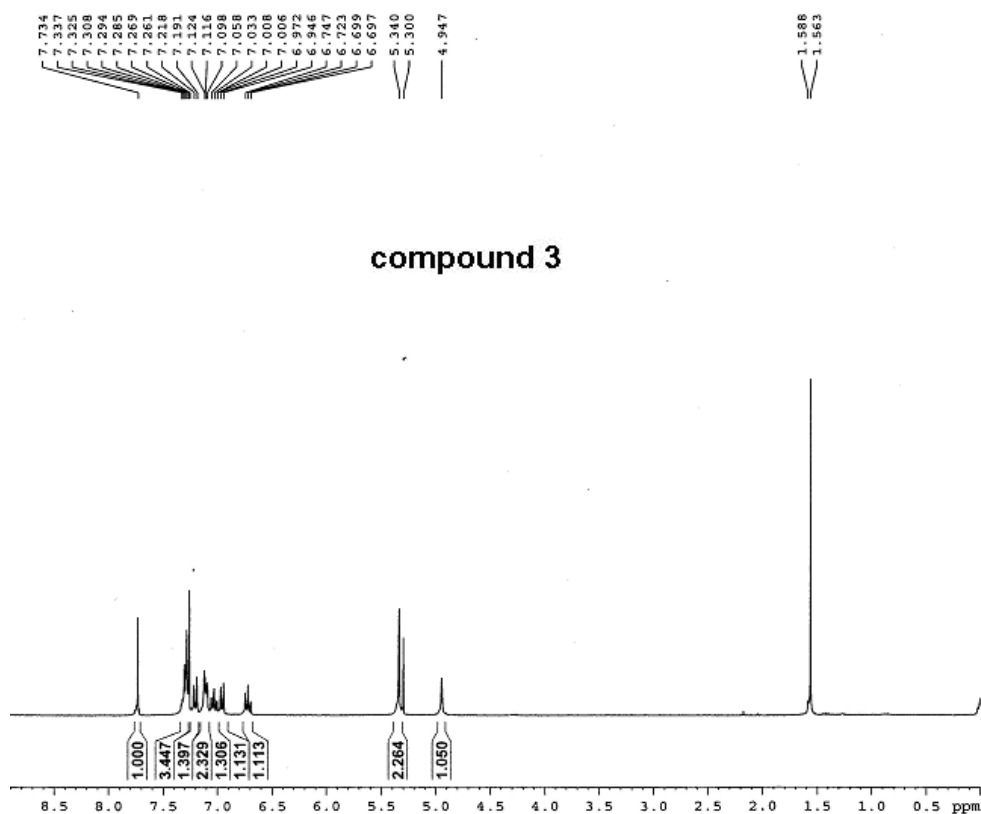
tjchow@chem.sinica.edu.tw

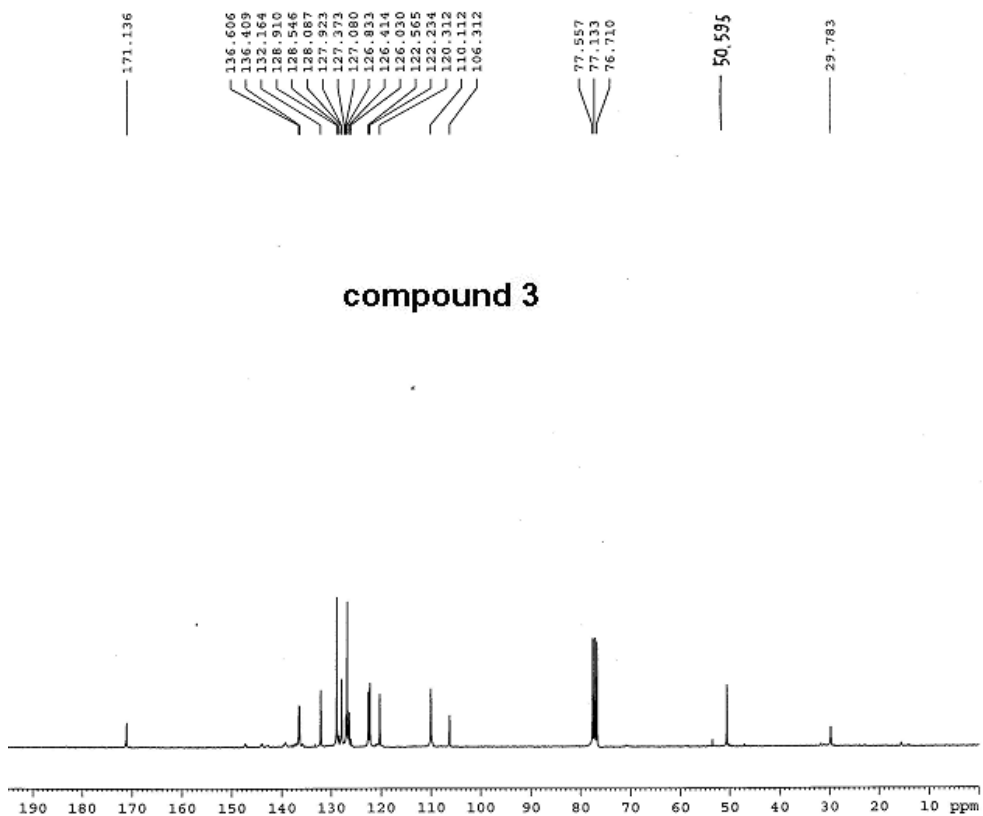
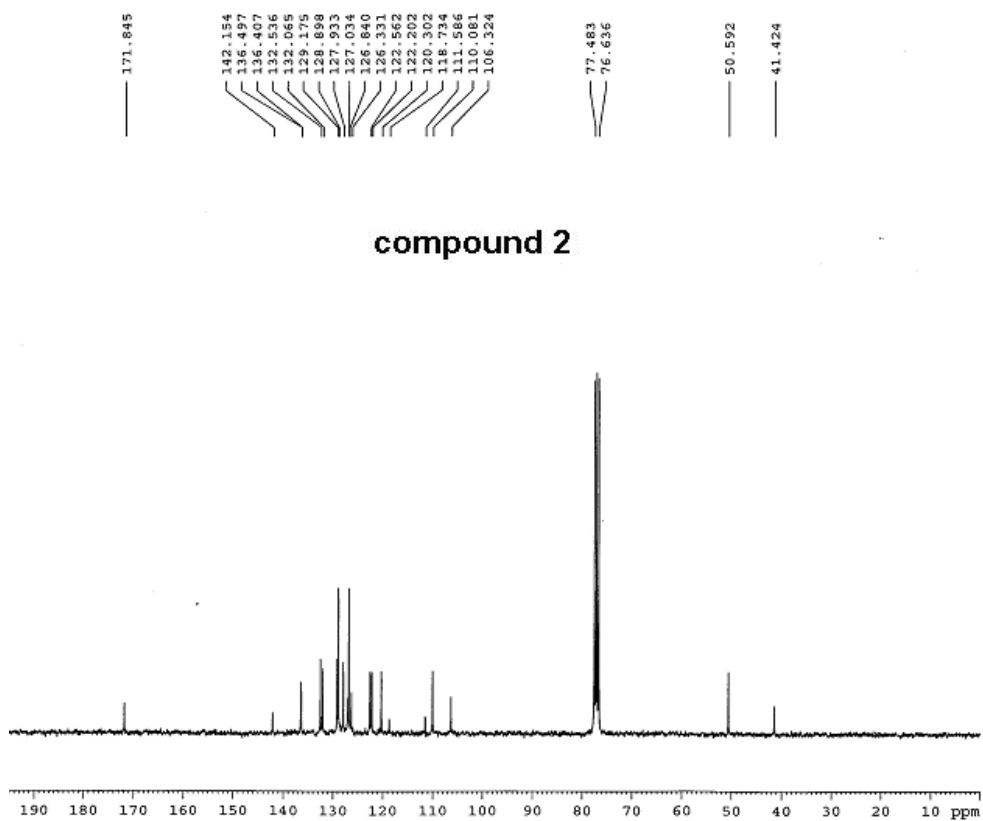
^b *Department of chemistry and engineering, Huanghuai University, Zhumadian 463000, P. R. China*

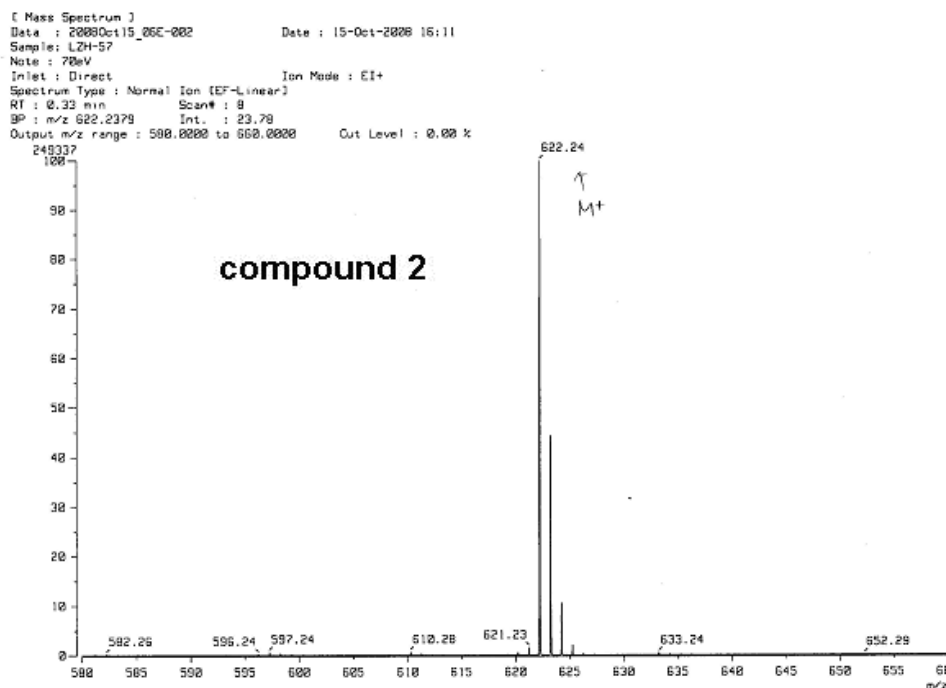
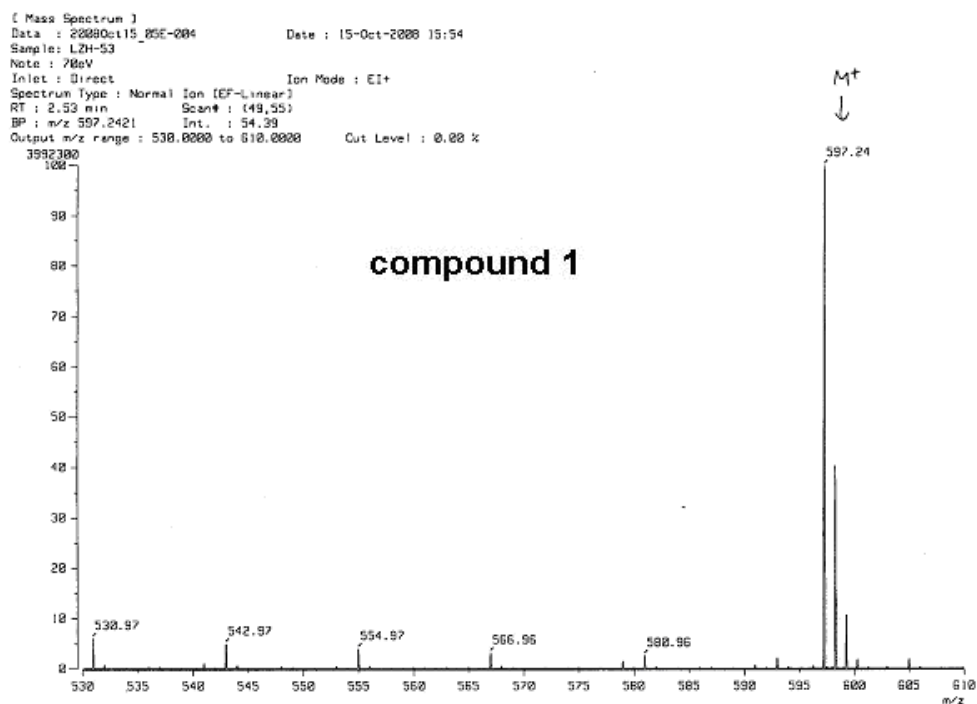
Contents:

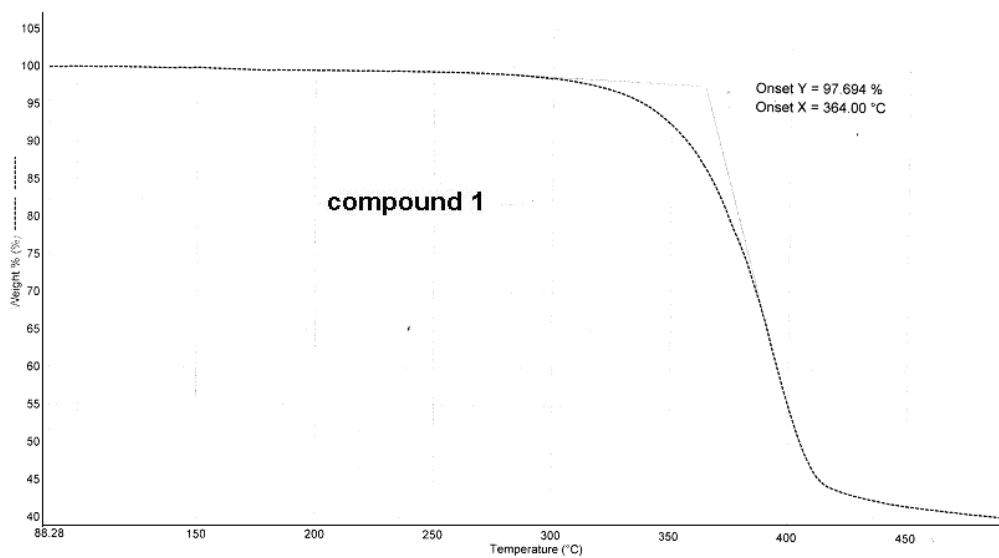
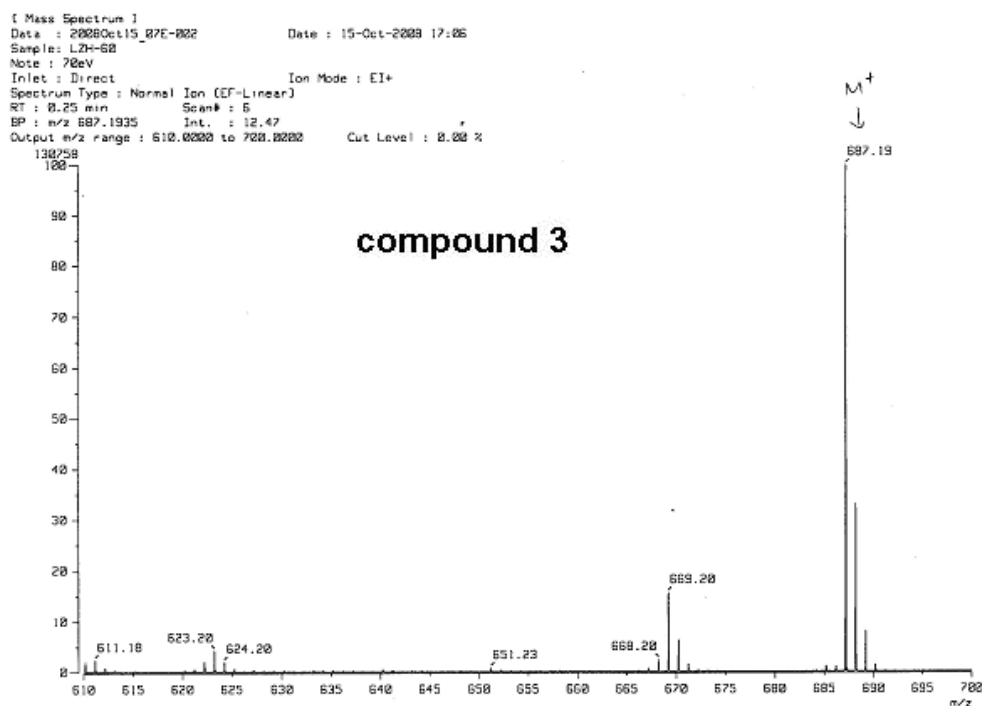
1) ¹ H NMR spectra of compounds 1~3	pp. 2~3
2) ¹³ C NMR spectra of compounds 1~3	pp. 3~4
3) Mass spectra of compounds 1~3	pp. 5~6
4) TGA profiles of compounds 1~3	pp. 6~7
5) DSC profiles of compounds 1~3	pp. 8~9
6) PL spectra of three polar dyes doped in NPB and Alq ₃	p. 10

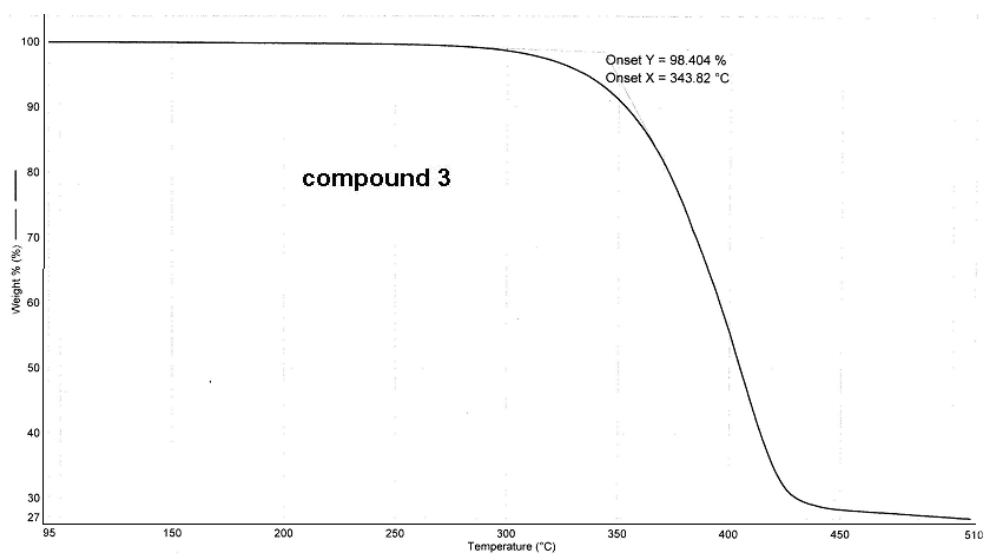
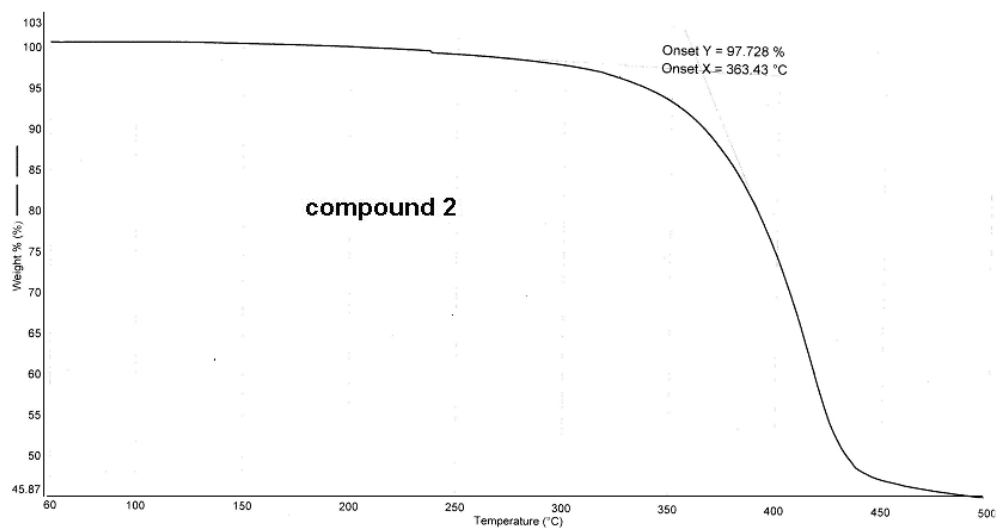






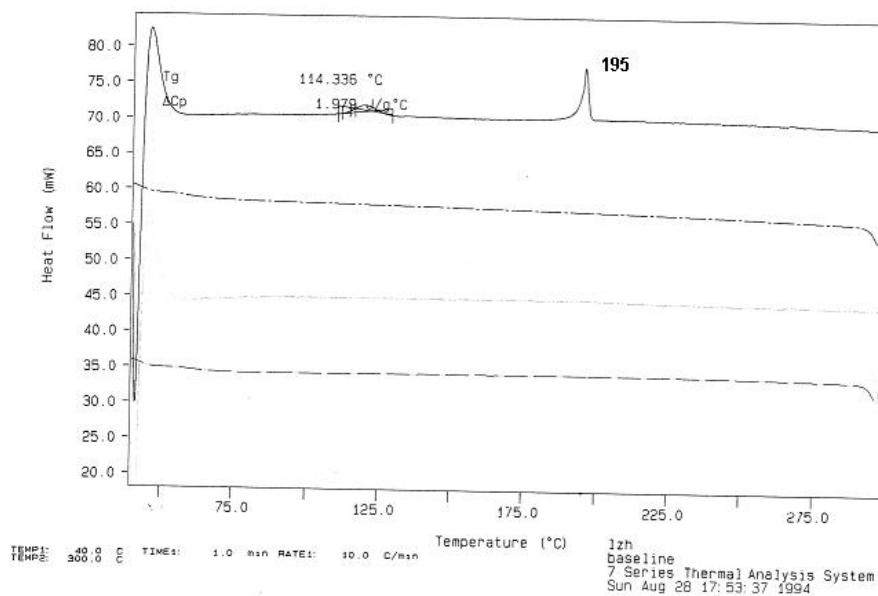






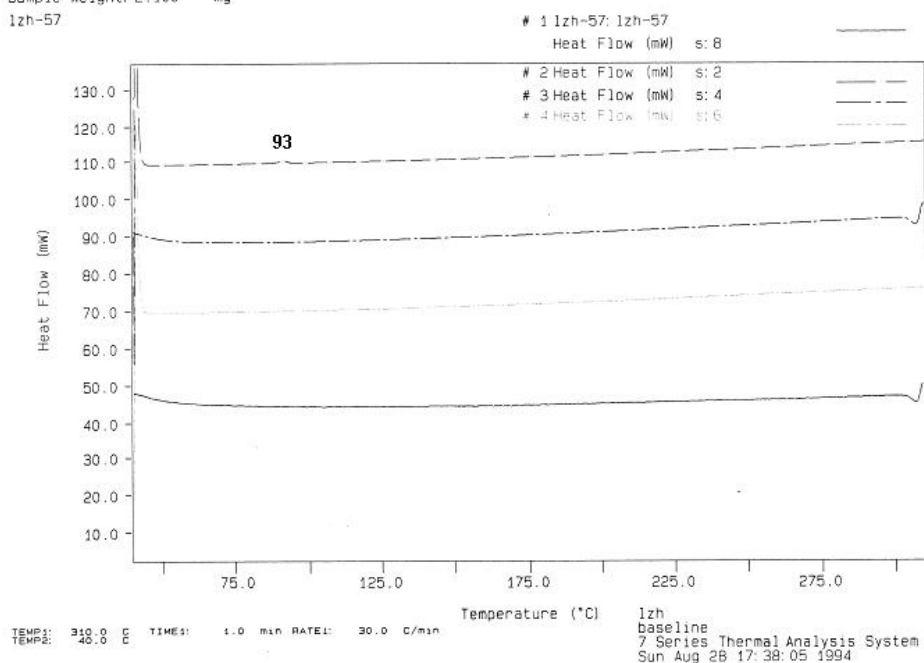
compound 1

Curve 1: DSC
File info: 1zh-53 Fri Aug 19 15:38:09 1994
Sample Weight: 1.900 mg
1zh-53

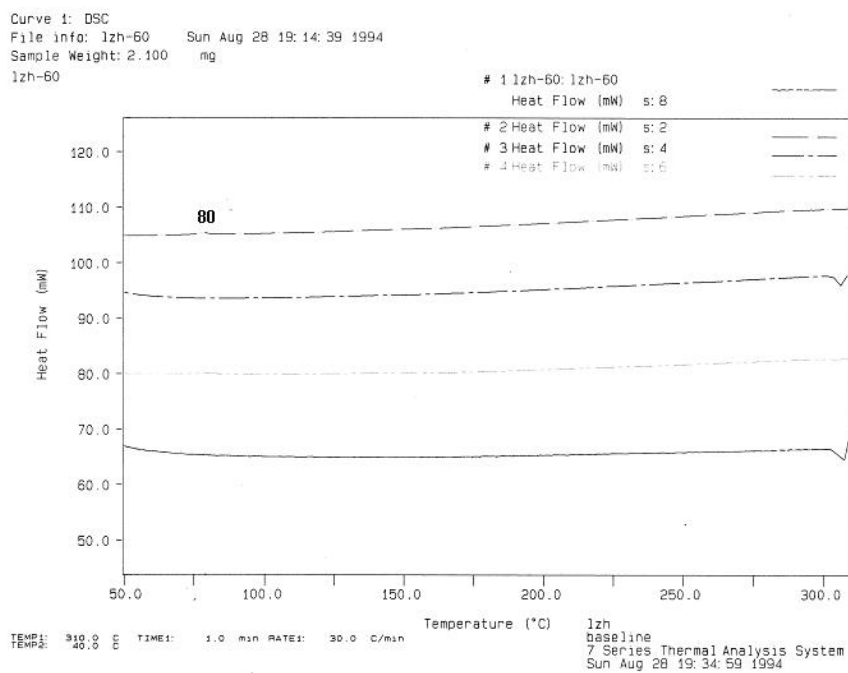


compound 2

Curve 1: DSC
File info: 1zh-57 Sun Aug 28 16:12:40 1994
Sample Weight: 2.100 mg
1zh-57



compound 3



Comparison of PL spectra of three polar dyes doped in NPB (1%) (left) and in Alq₃ (1%) (right). The structures of the polar dyes are shown below. They are known to emit from a charge-transfer excited state, therefore may be used to reflect the relative polarity of the media.

