

Influence of the oxazole ring connection on the fluorescence of oxazoyl-triphenylamine biphotonic DNA probes

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Electronic Supplementary information

1- Additional figures

2- Analyses: NMR spectra and HPLC chromatograms

1- Additional figures

	λ_{abs} (nm)	λ_{em} (nm)	ϵ (L mol ⁻¹ cm ⁻¹)	Φ_F
TP-3(Ox5Py)	447	634	58530	0.058
TP-3(Ox2Py)	477	690	48650	0.022
TP-3(Ox5Bzim)	410	540	60300	0.53
TP-3Py	492	666	66000	0.13
TP-3Bzim	440	604	57200	0.42

Table 1. Linear optical properties of the TP-Oxazole dyes and of the parent compounds TP-Py and TP-Bzim in glycerol

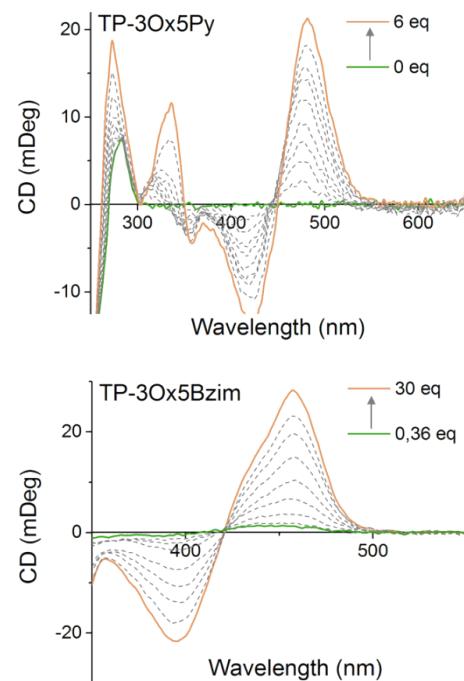
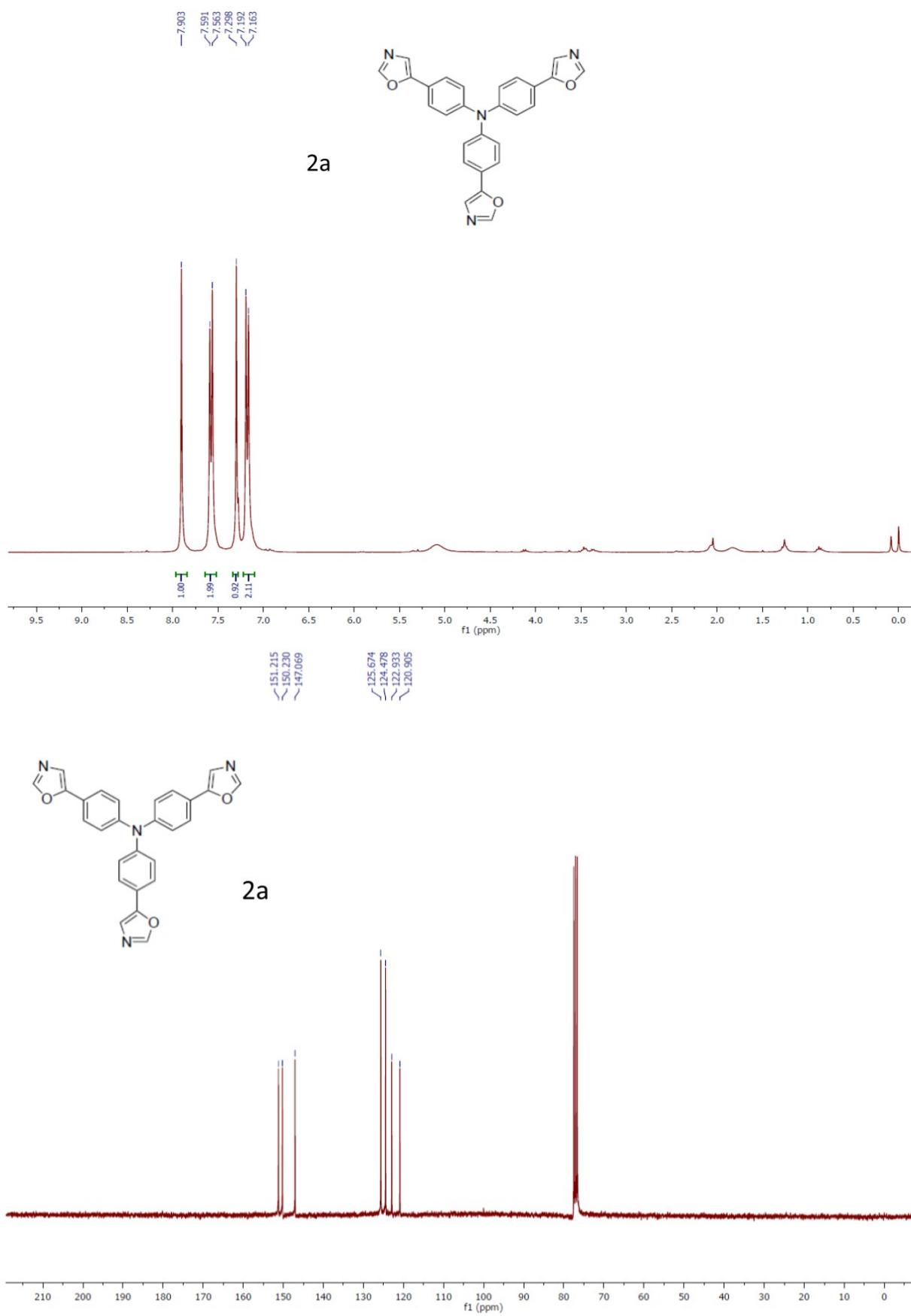
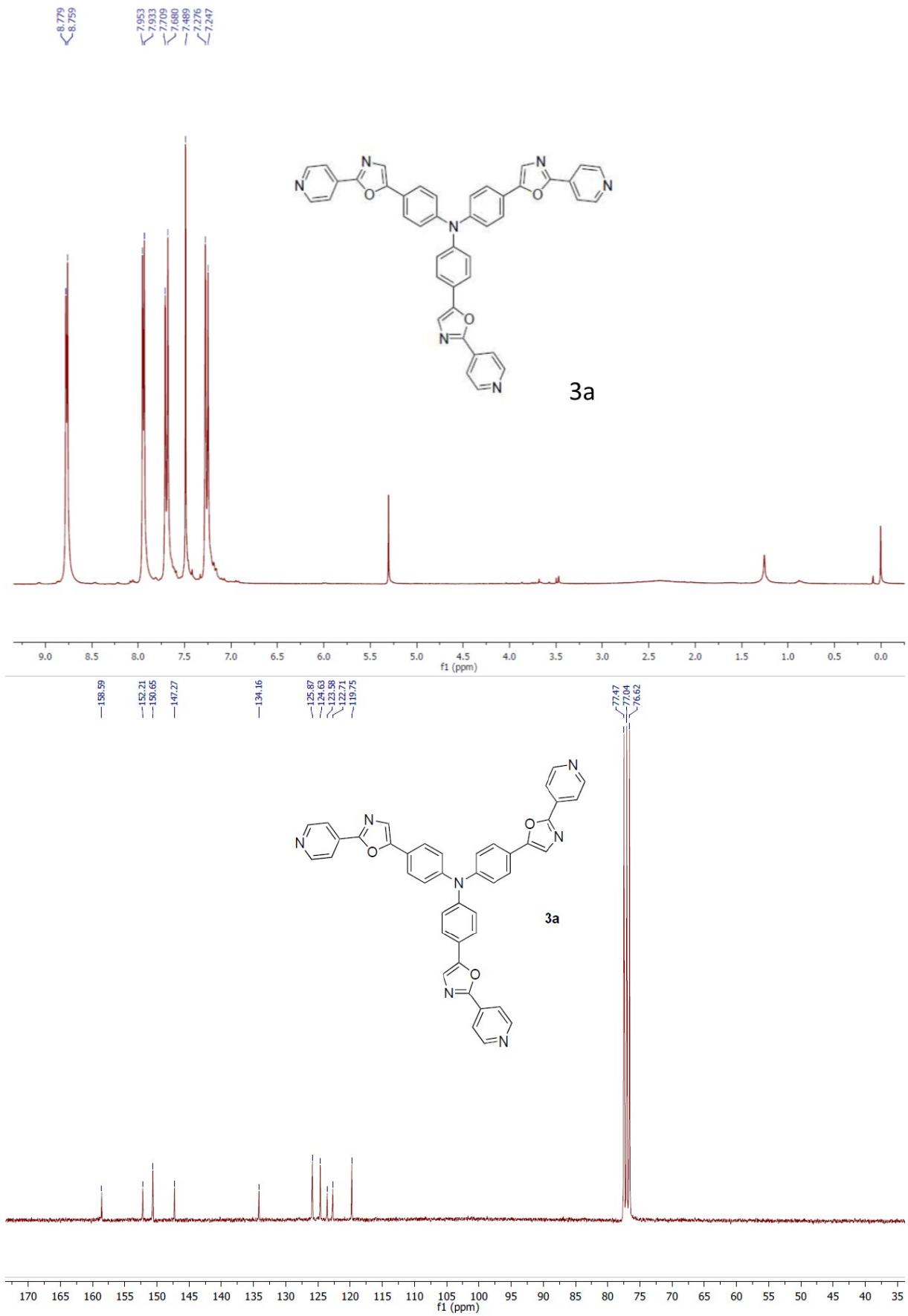
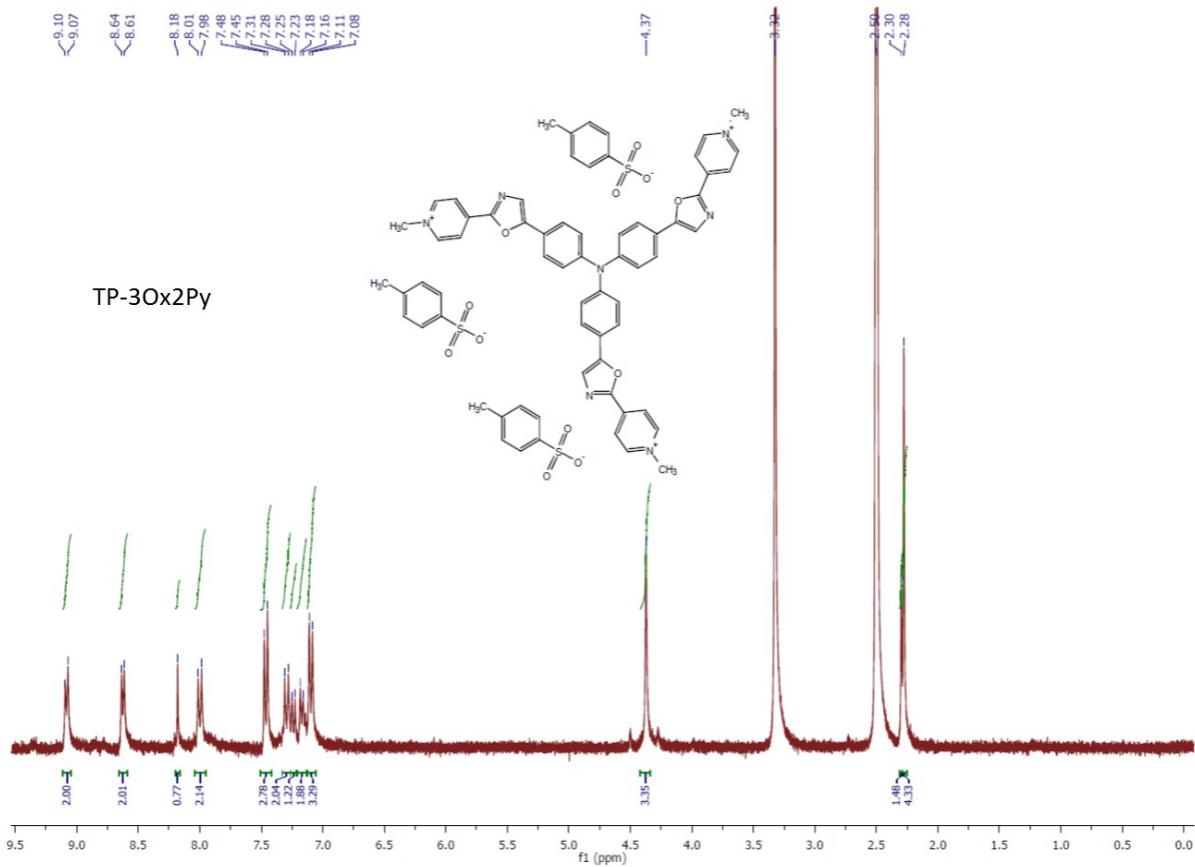


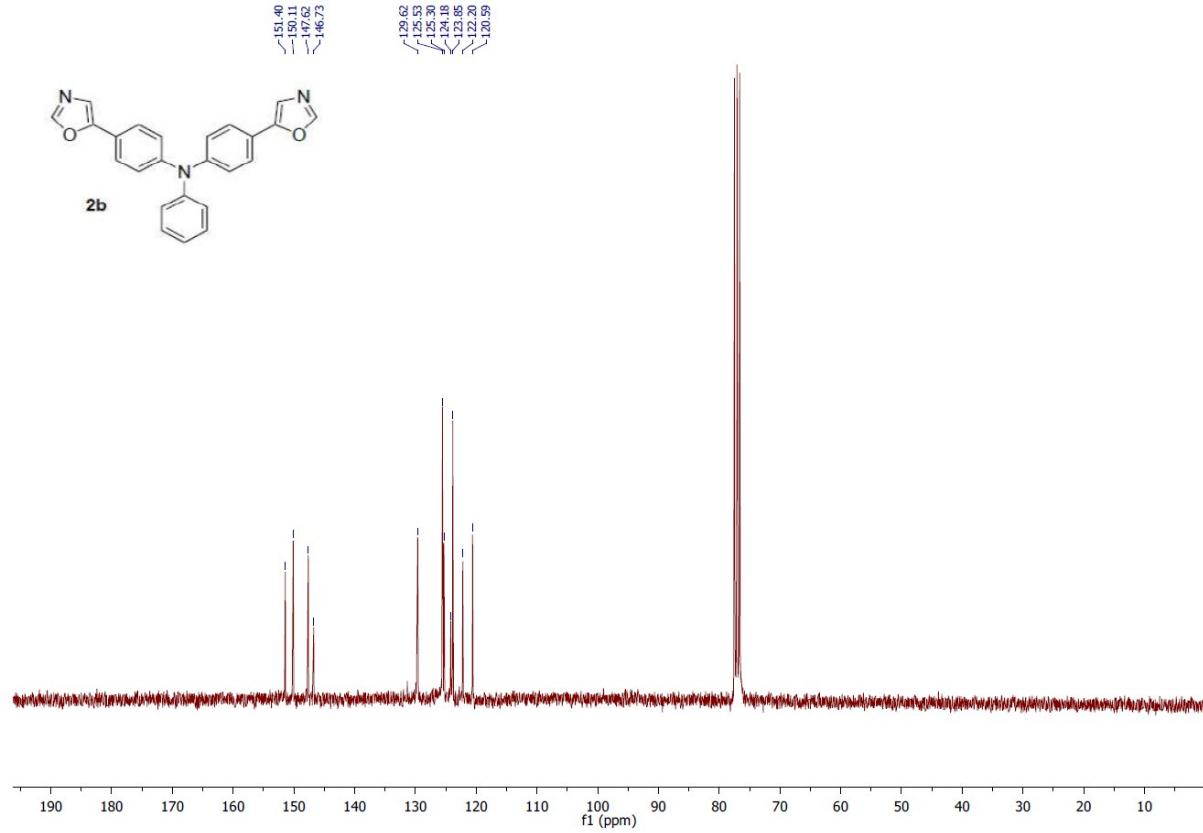
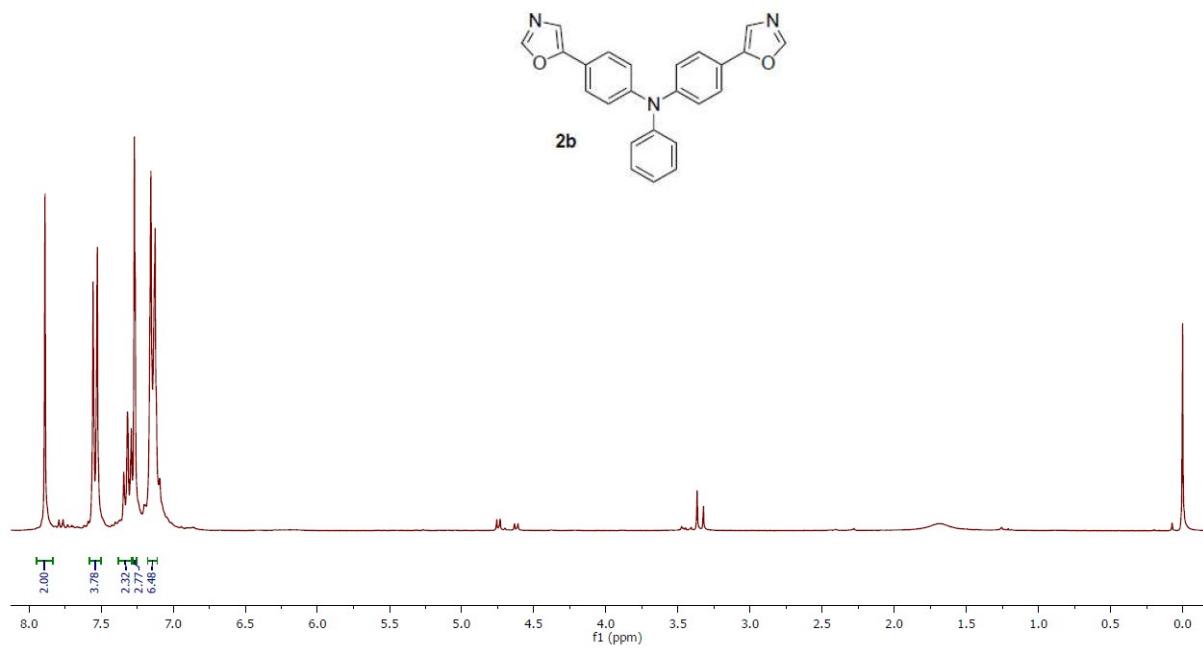
Figure 1. Circular dichroism spectra of drewAT upon addition of TP-3Ox5Py. Increasing amounts of TP-3Ox5Py (molar equivalents indicated on the graphs) are added to a 2 μ M solution of drewAT in 10 mM sodium cacodylate pH 7.2 buffer with 100 mM NaCl. Circular dichroism spectra of drew AT at steady TP-3Ox5Bzim concentration according to Chaires's protocol (N. C. Garbett, P. A. Ragazzon, J. B. Chaires Nature Protocols, 2007, 2, 3166-3172)

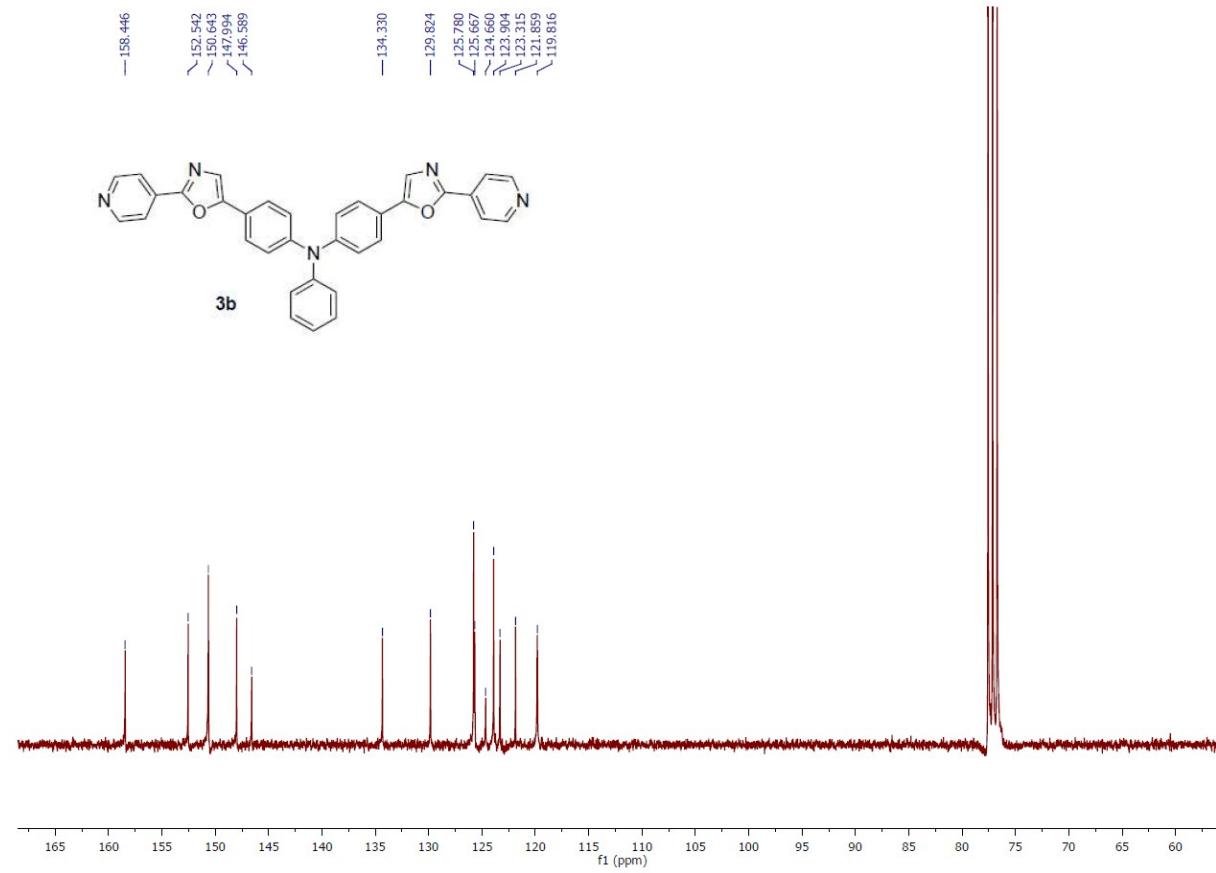
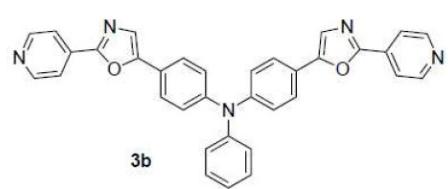
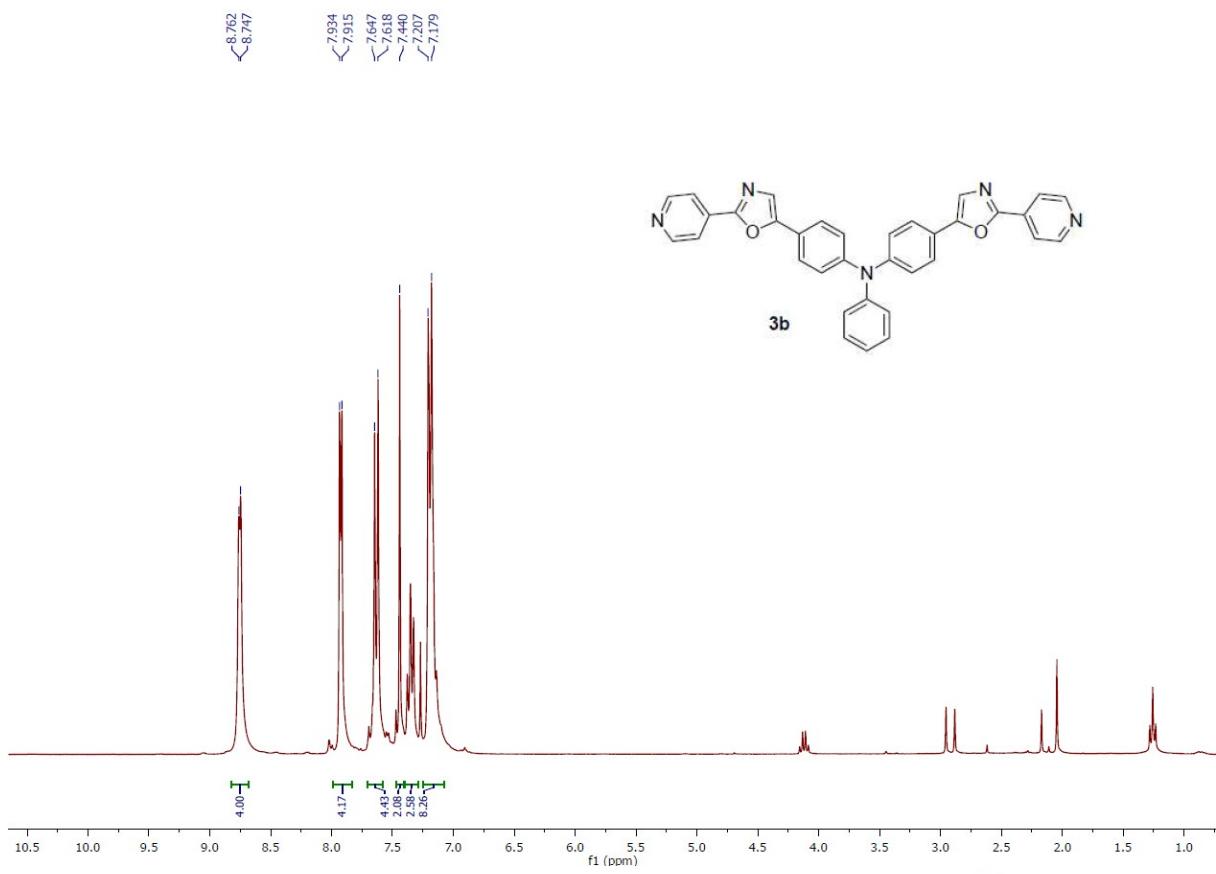
2- Analyses: NMR spectra and HPLC chromatograms

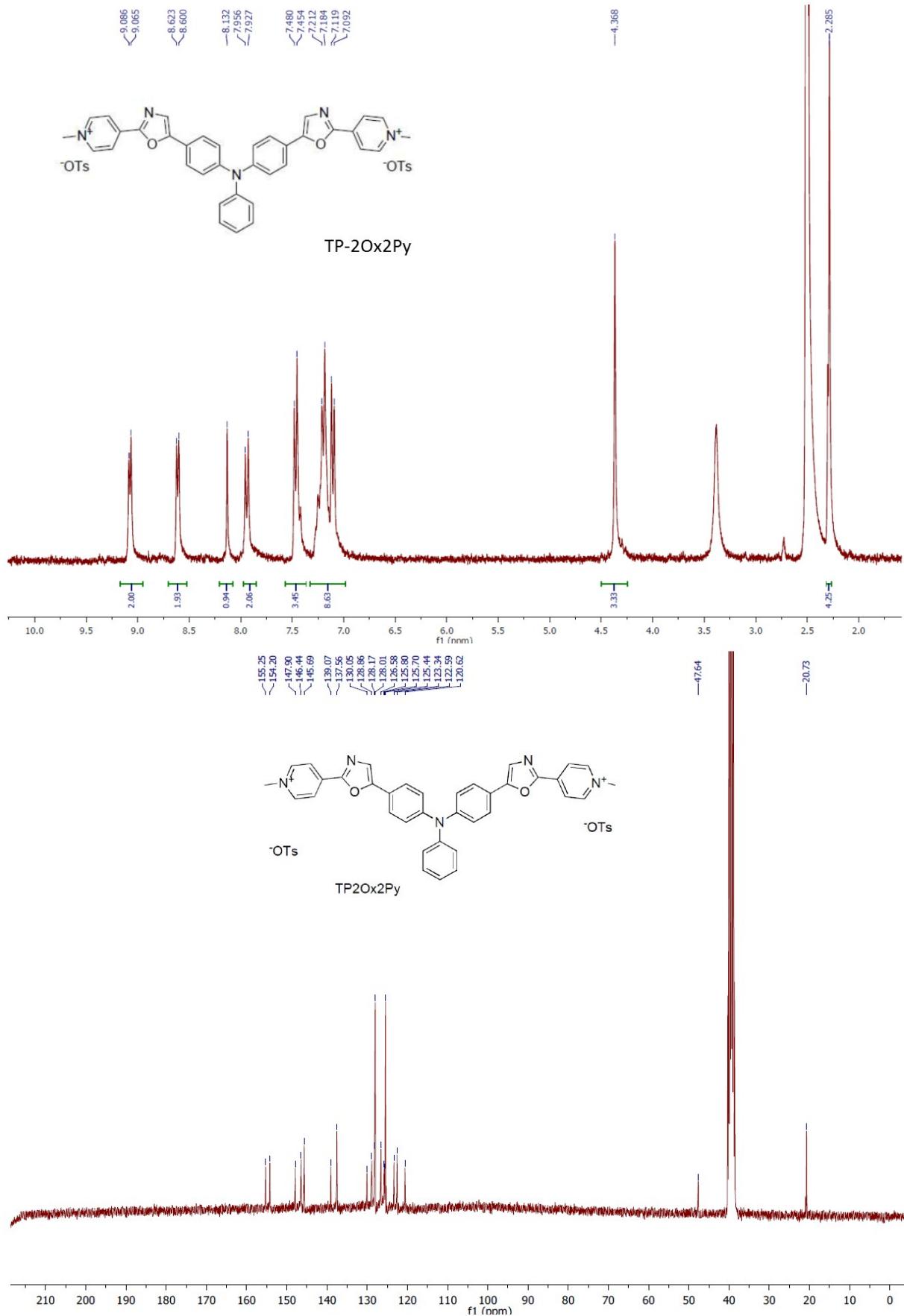


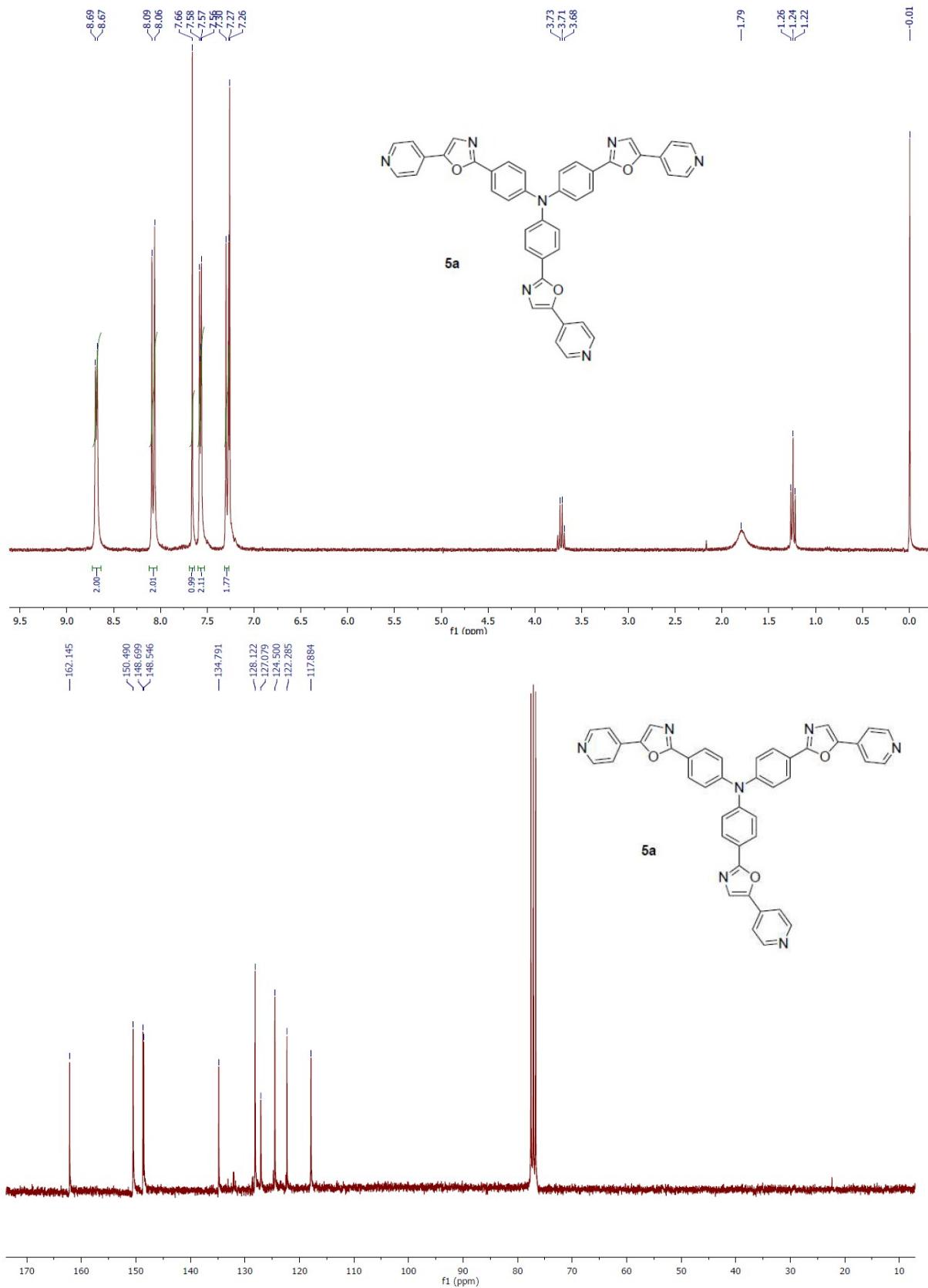


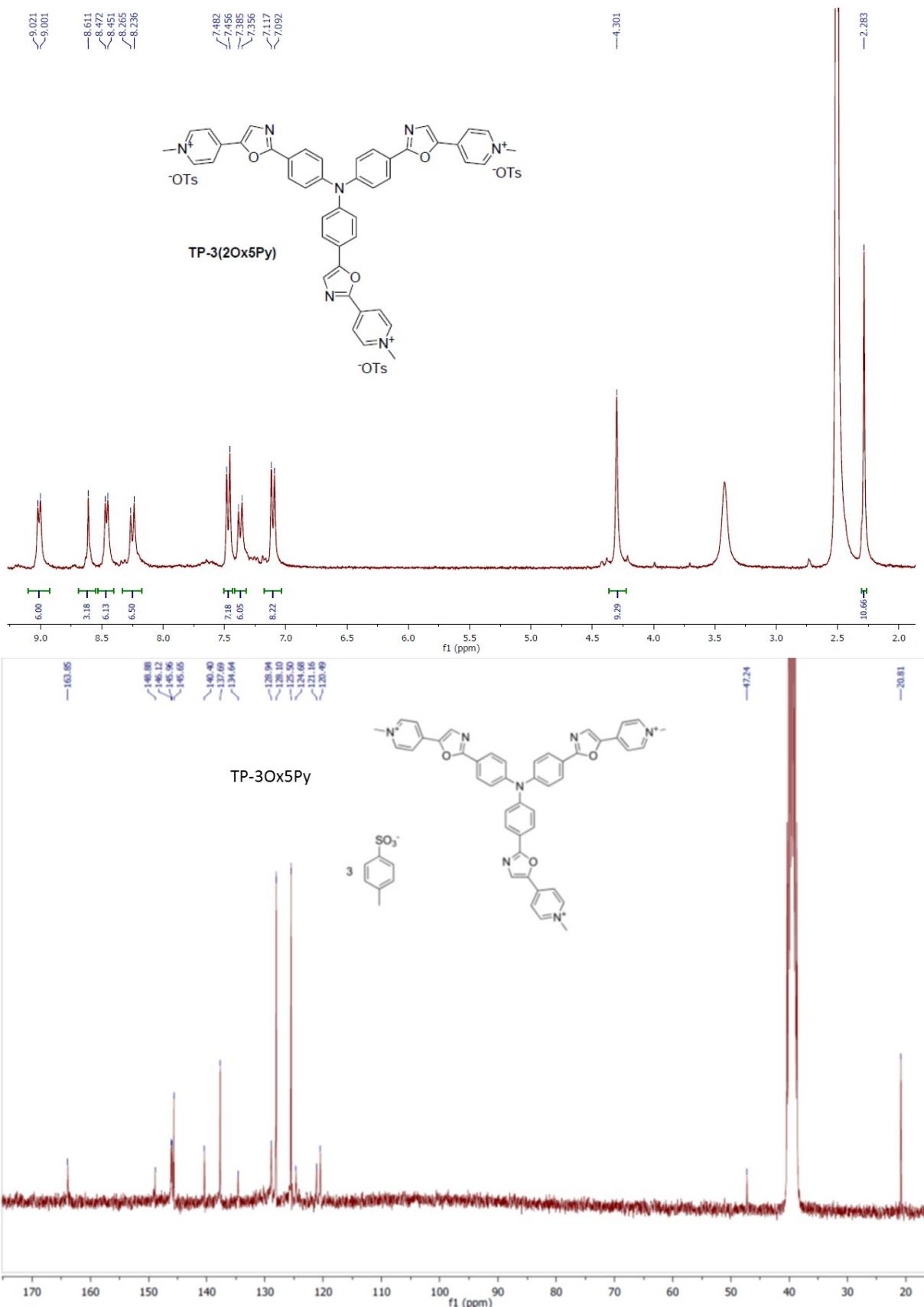




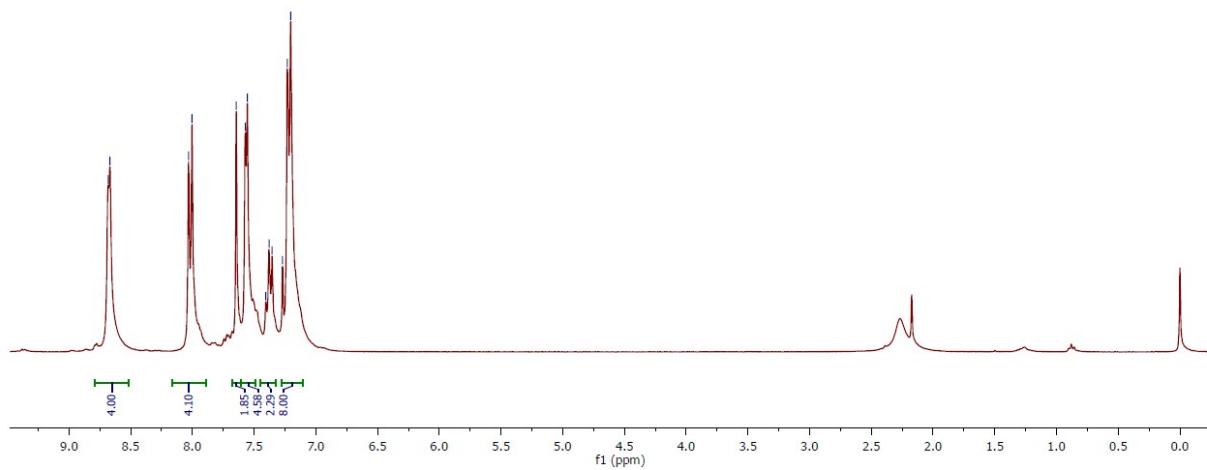
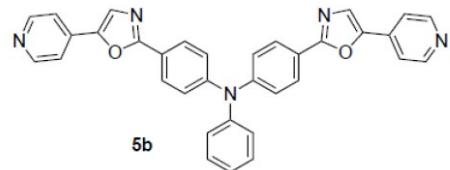








8.682
8.668
8.031
8.003
7.645
7.572
7.555
7.405
7.379
7.354
7.270
7.231
7.204



— 162.59
— 150.55
— 149.57
— 148.44
— 146.28
— 135.07
— 130.01
— 128.03
— 127.18
— 126.35
— 125.32
— 123.46
— 121.22
— 117.98

