

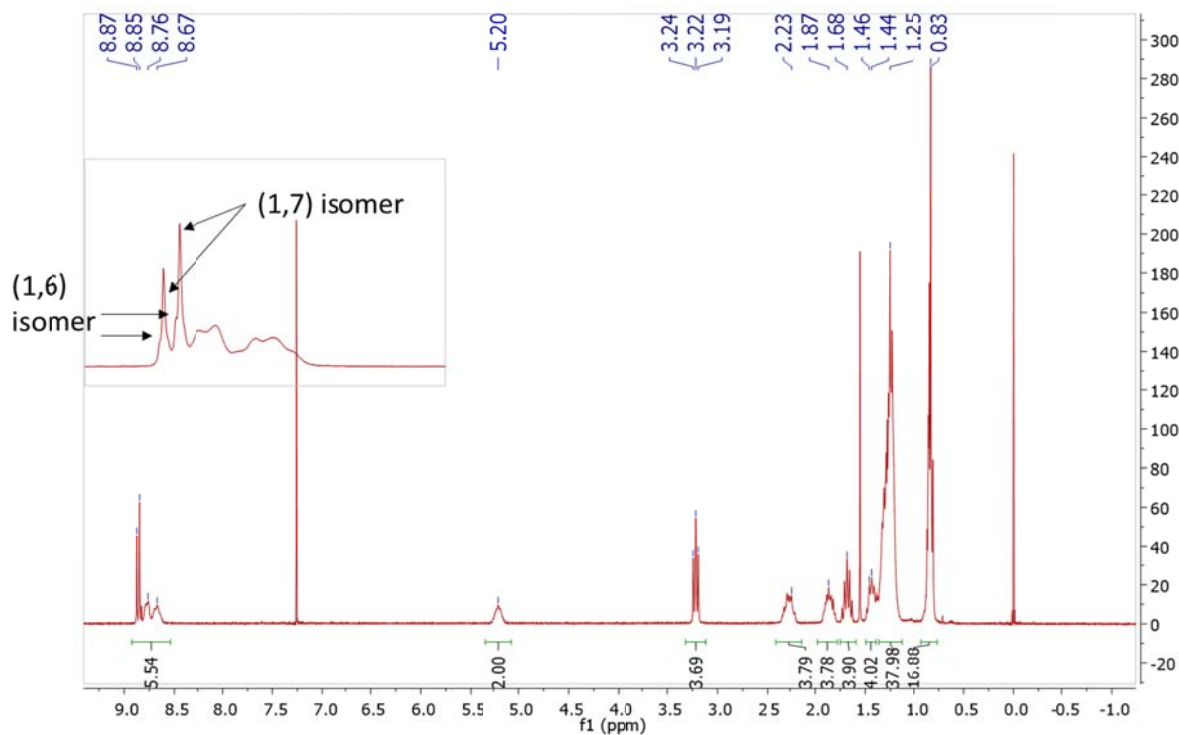
ELECTRONIC SUPPLEMENTARY INFORMATION

Direct Alkylthio-Functionalization of Unsubstituted Perylenediimides

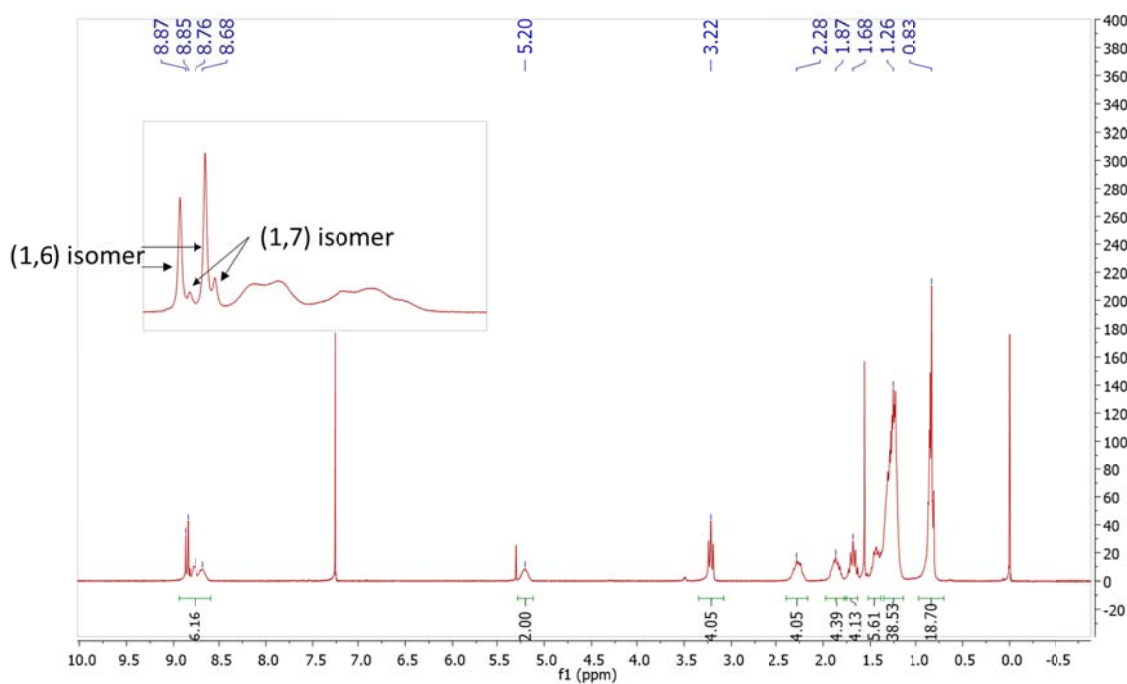
Nathalie Zink-Lorre, Enrique Font-Sanchis, Ángela Sastre-Santos and Fernando
Fernández-Lázaro*

Área de Química Orgánica, Instituto de Bioingeniería, Universidad Miguel Hernández de Elche, Avda. de
la Universidad s/n, Elche 03202, Spain

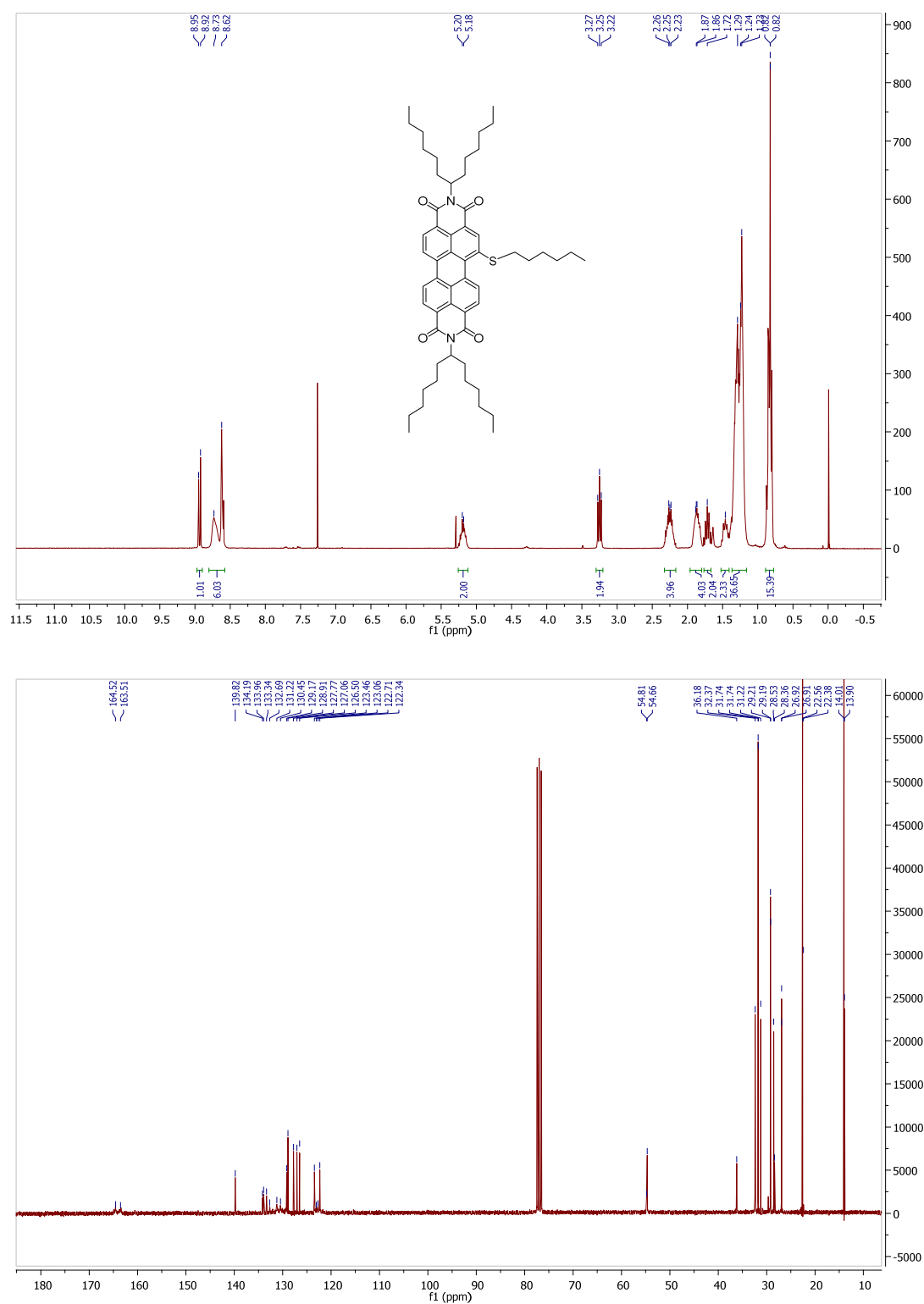
^1H NMR spectrum of the isomeric mixture in the reaction of 1-hexanethiol and N,N' -bis(hexylheptyl)-1,6(7)-dibromoperylenediimide

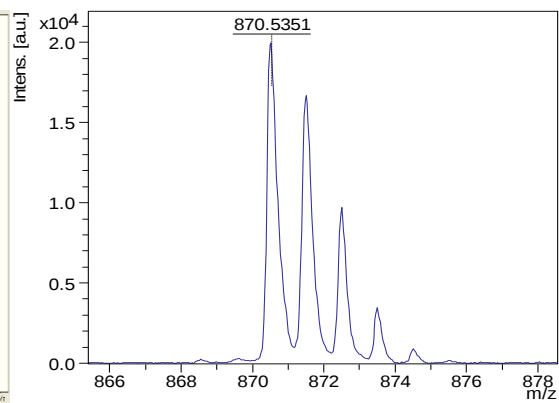
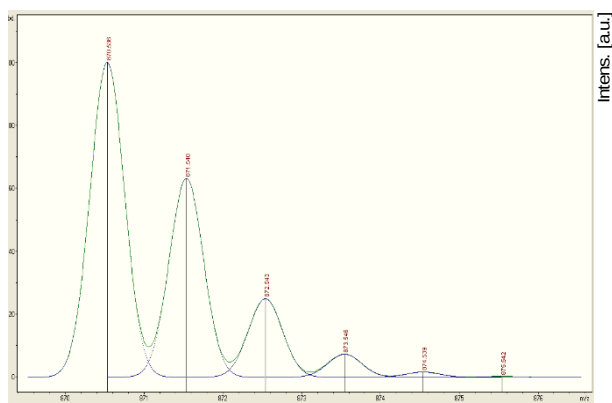


^1H NMR spectrum of the isomeric mixture in the fluoride-mediated reaction of 1-hexanethiol and N,N' -bis(hexylheptyl)perylene diimide

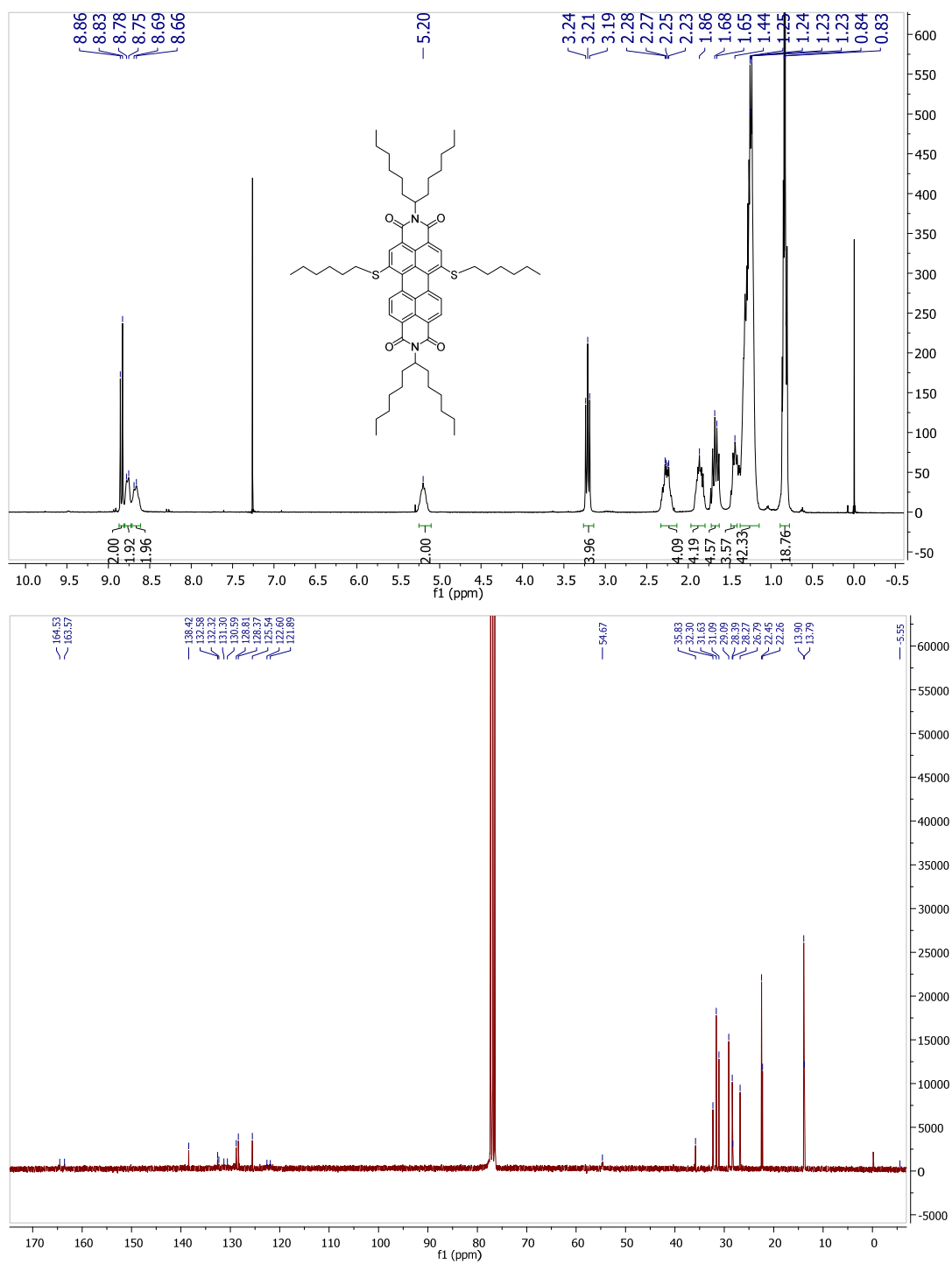


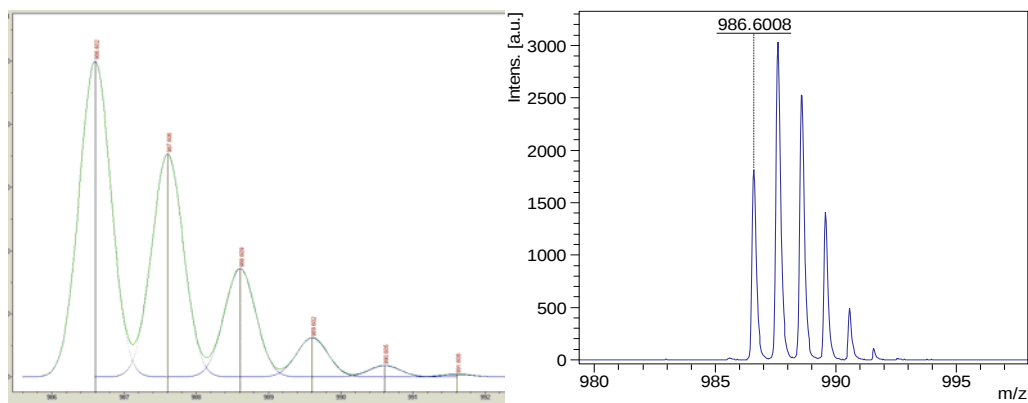
***N,N'*-di-(1'-hexylheptyl)-1-hexylthioperylene-3,4:9,10-tetracarboxydiimide (2a)**



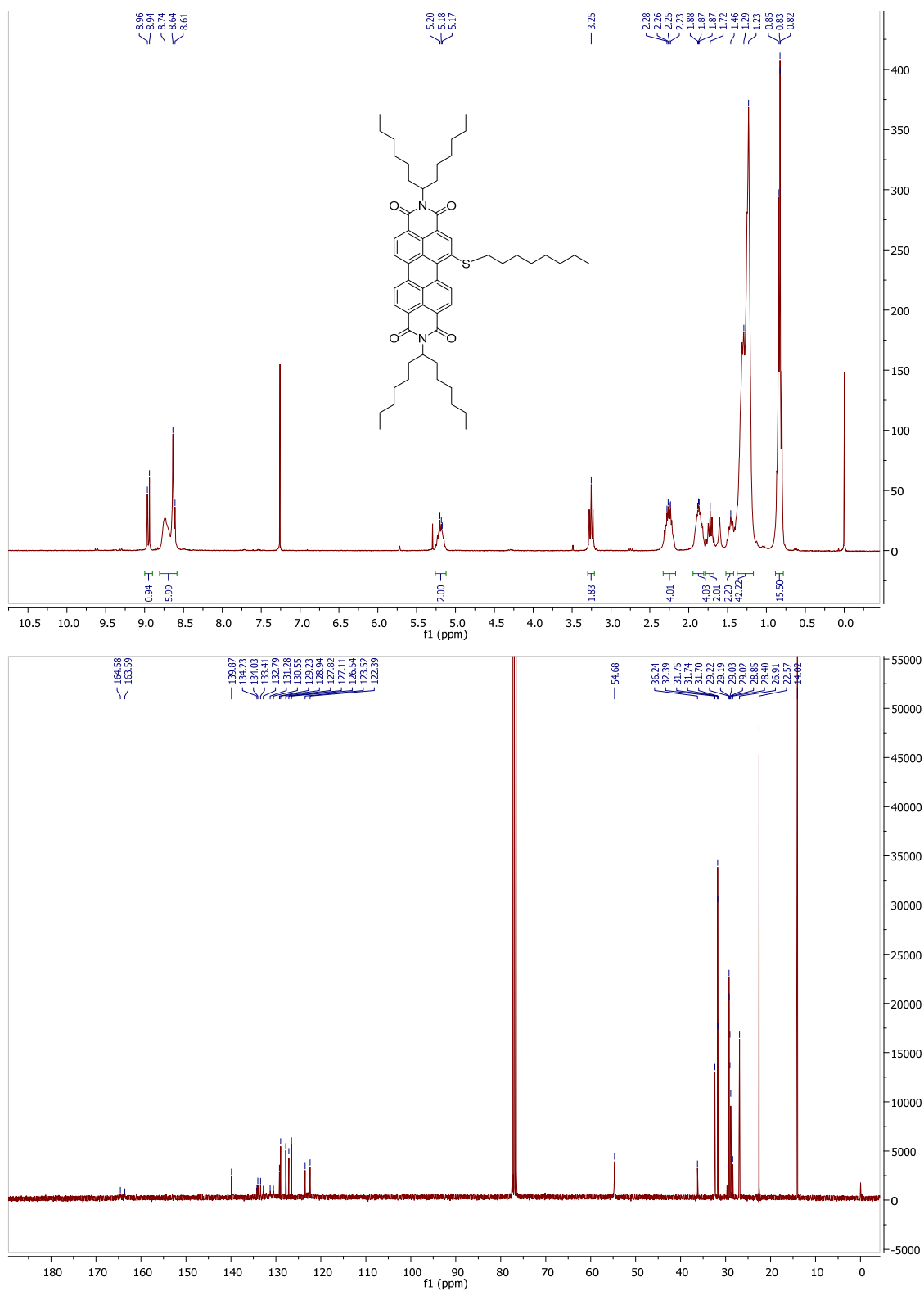


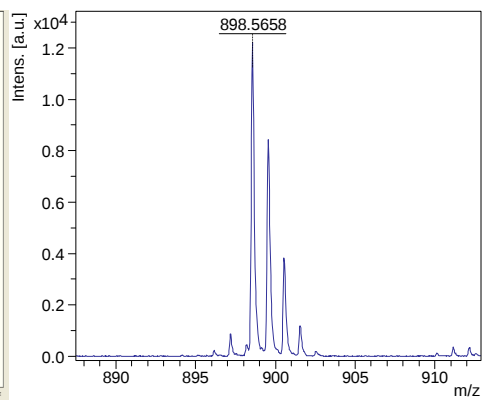
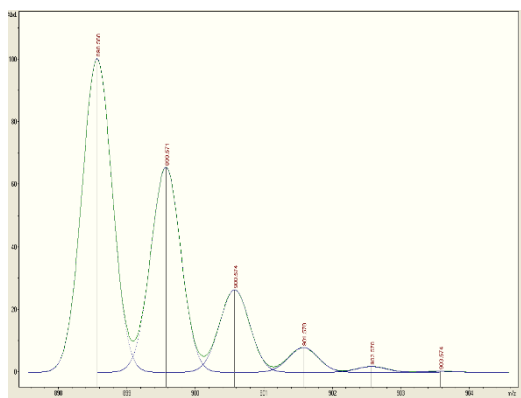
***N,N'*-di-(1'-hexylheptyl)-1,6-dihexylthioperylene-3,4:9,10-tetracarboxydiimide (3a)**



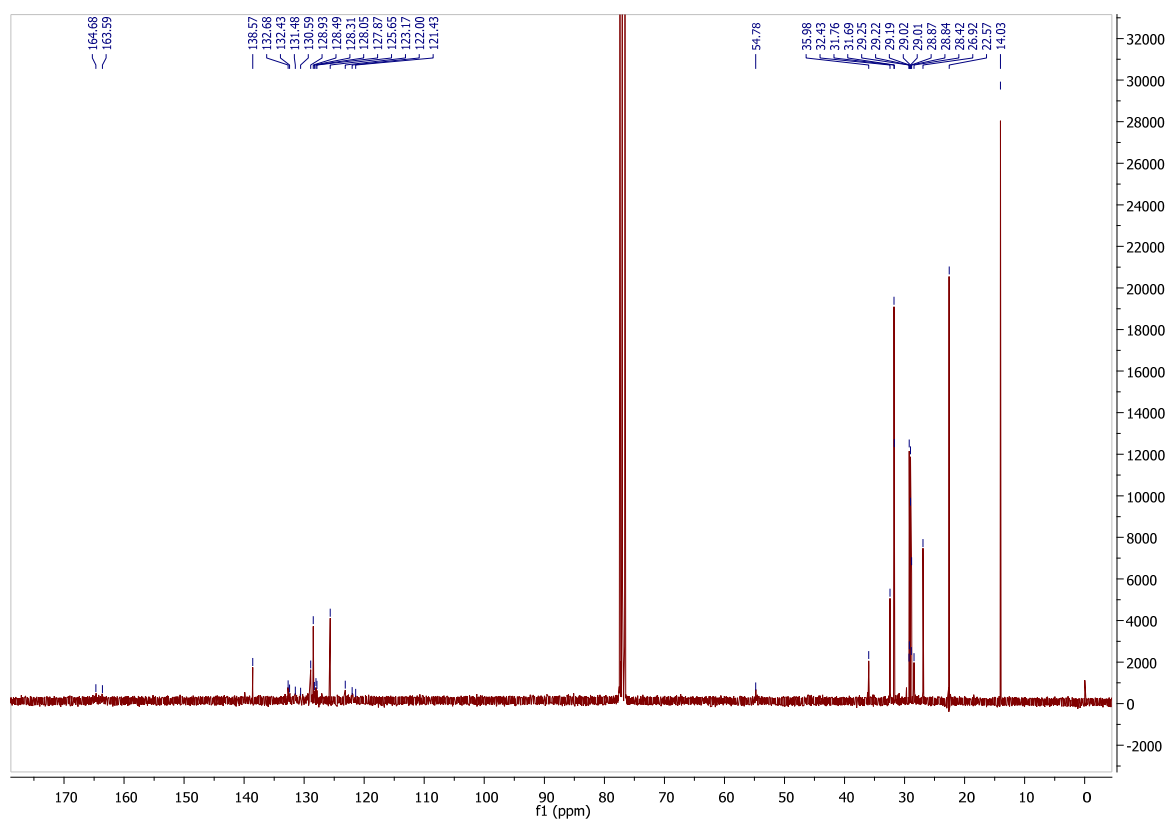
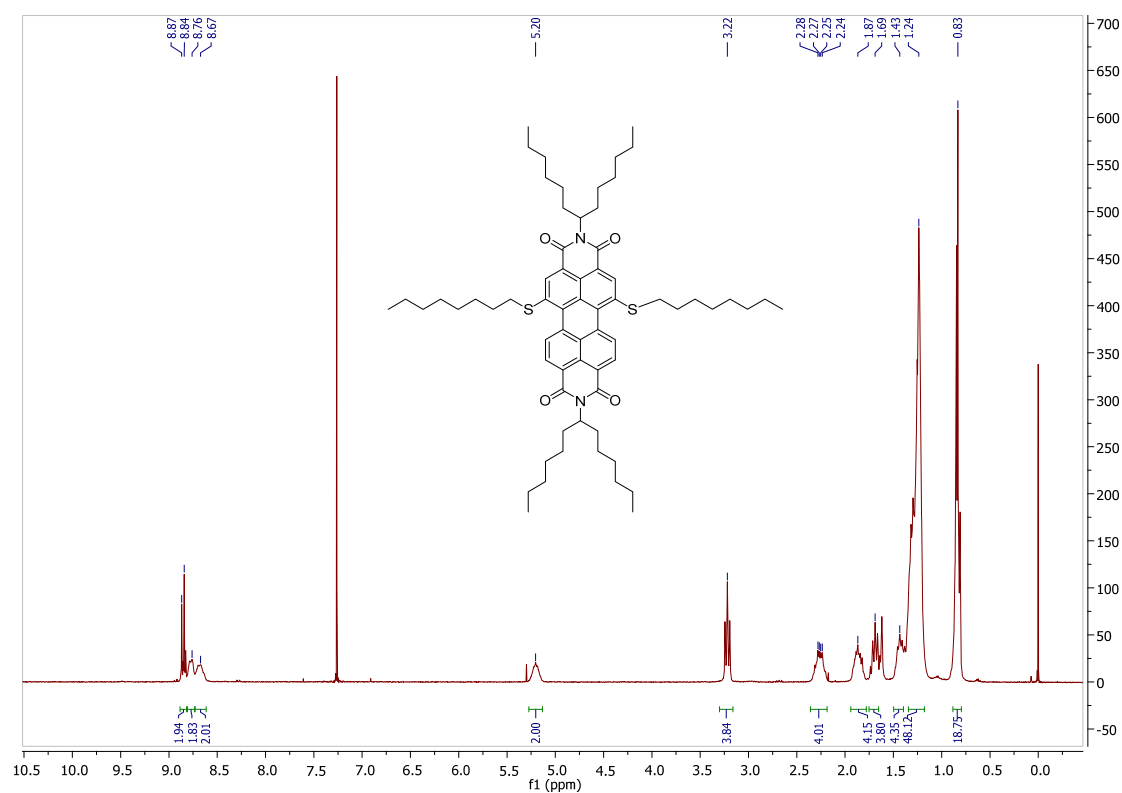


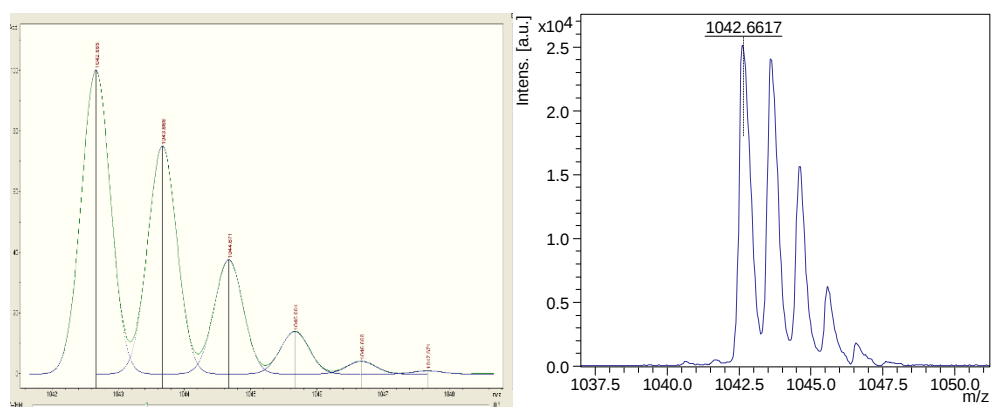
***N,N'*-di-(1'-hexylheptyl)-1-octylthioperylene-3,4:9,10-tetracarboxydiimide (2b)**



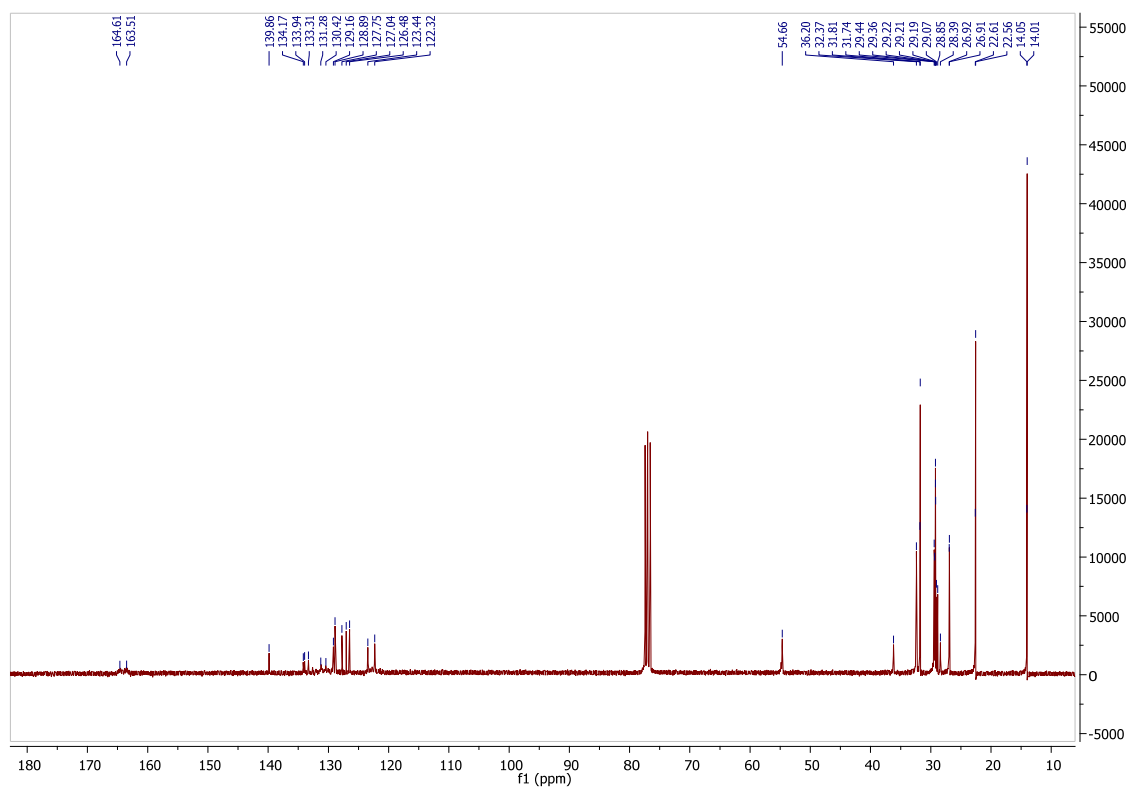
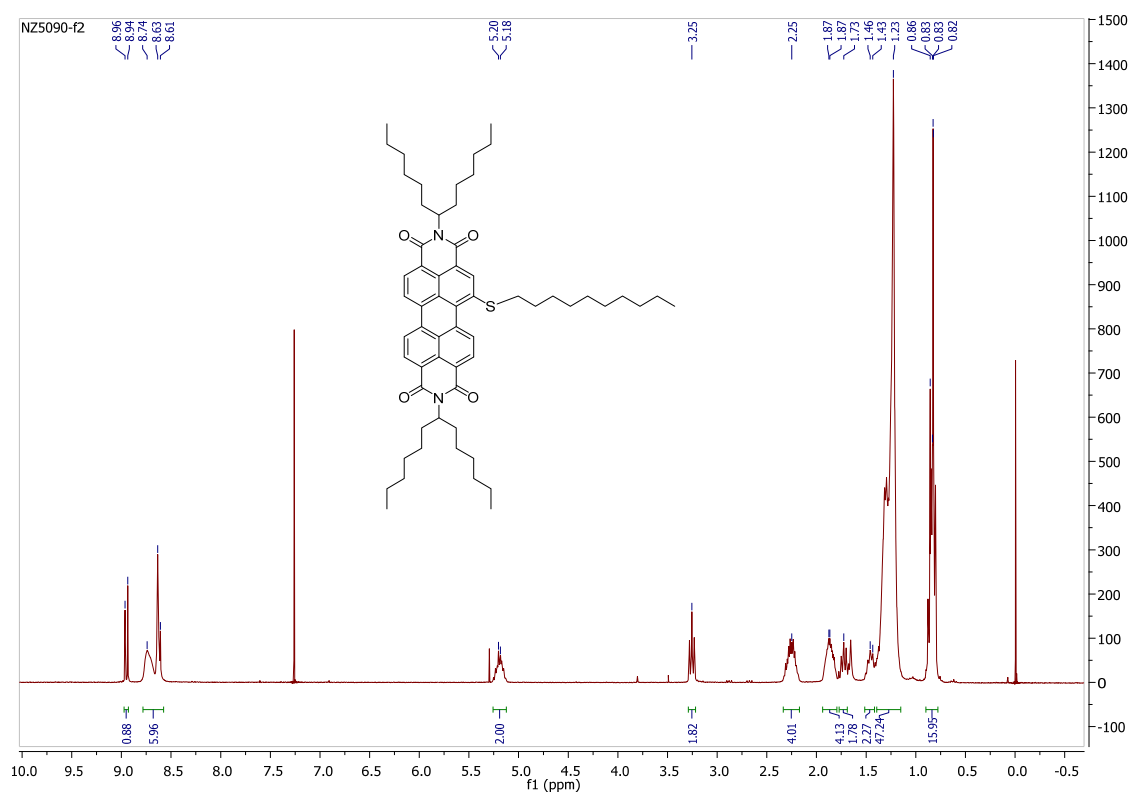


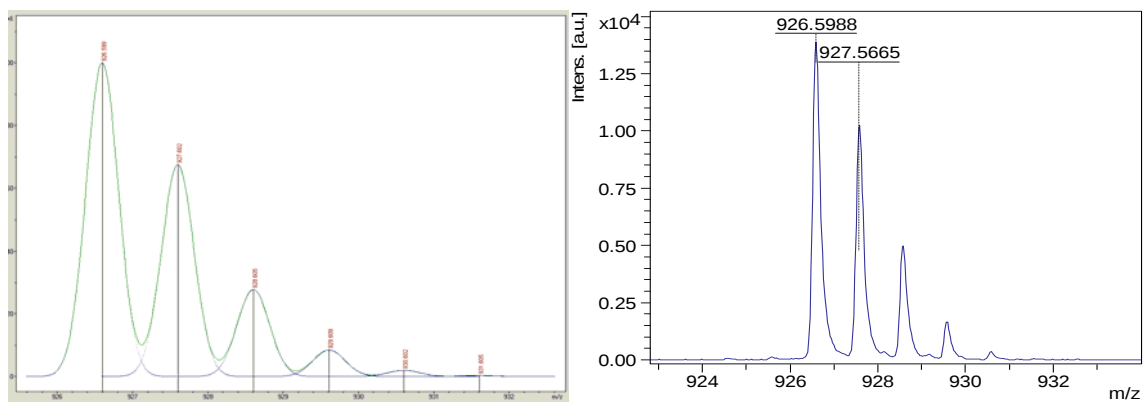
***N,N'*-di-(1'-hexylheptyl)-1,6-dioctylthioperylene-3,4:9,10-tetracarboxydiimide (3b)**



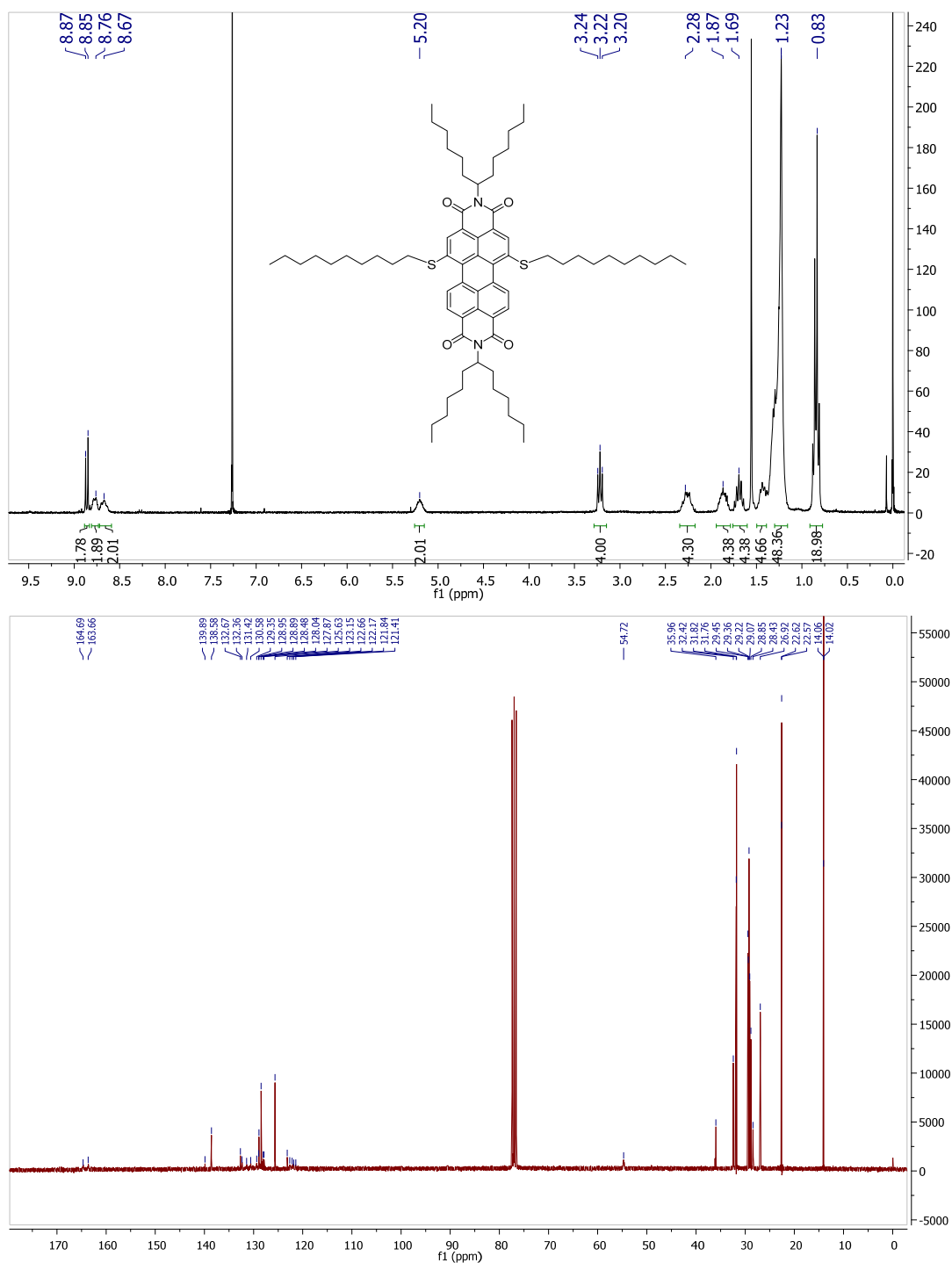


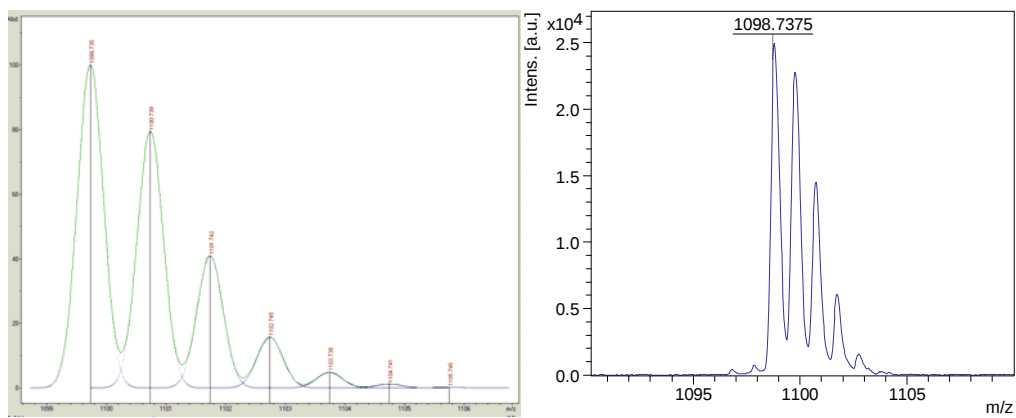
***N,N'*-di-(1'-hexylheptyl)-1-decylthioperylene-3,4:9,10-tetracarboxydiimide (2c)**



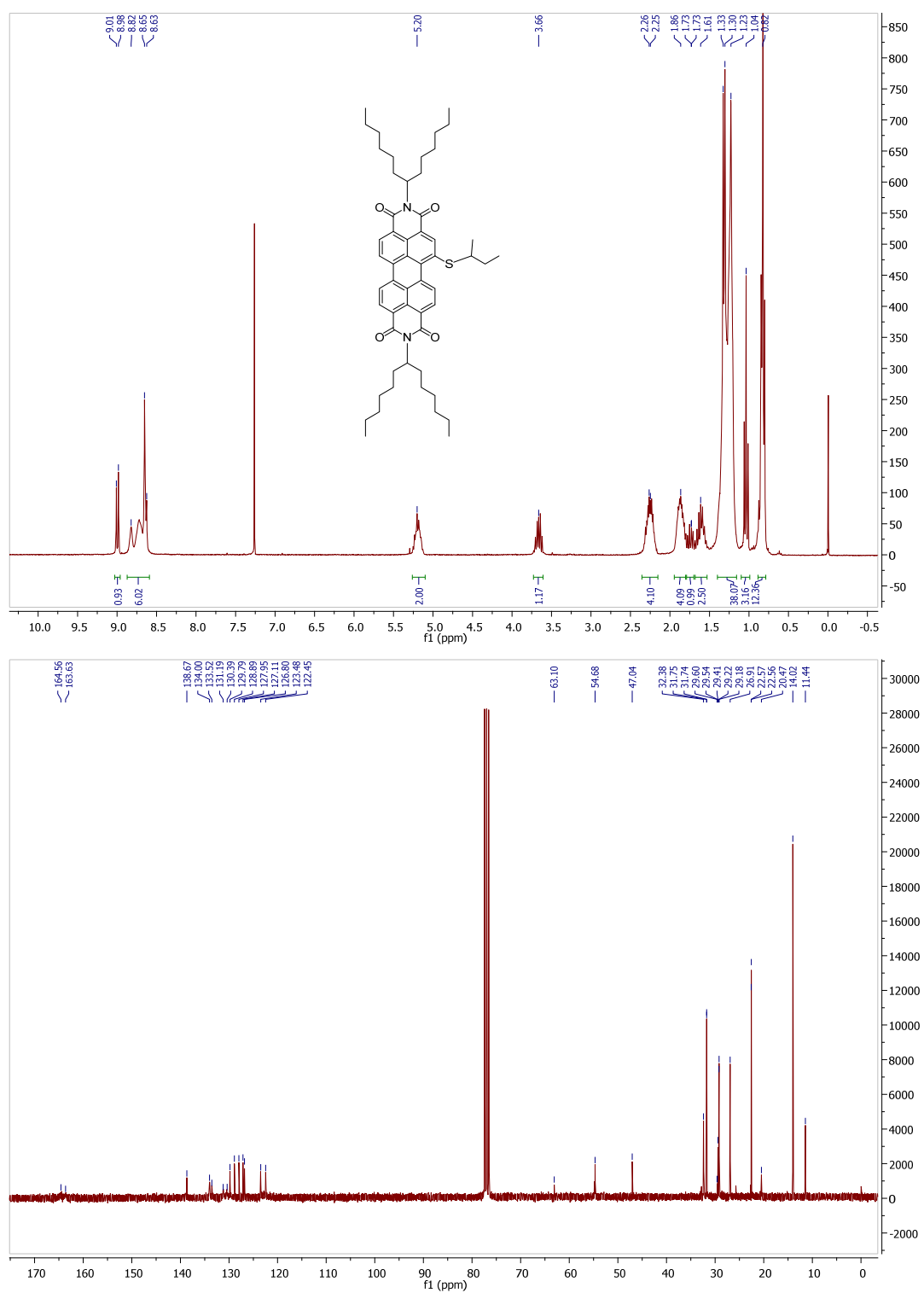


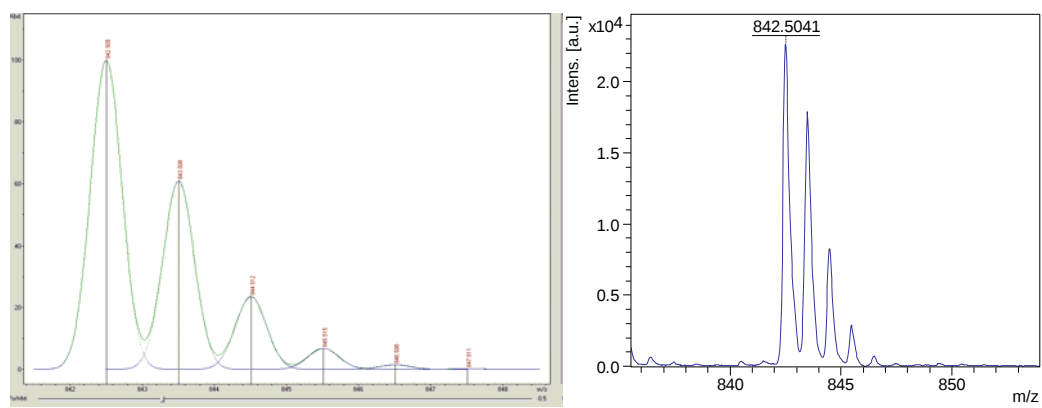
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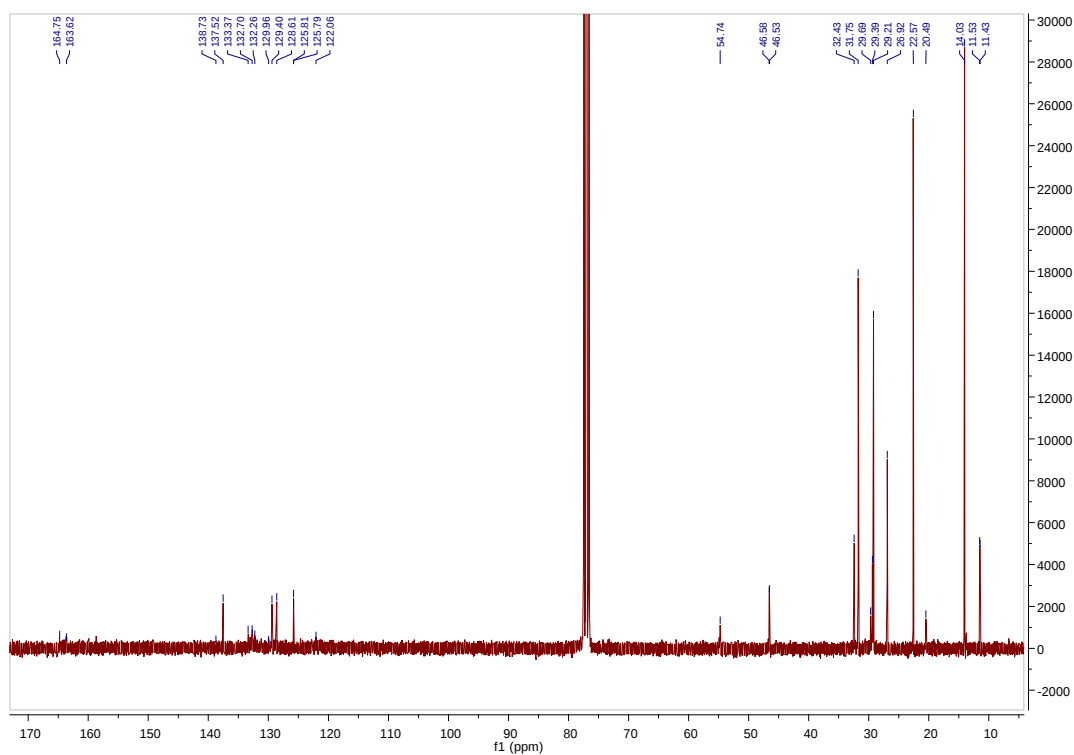
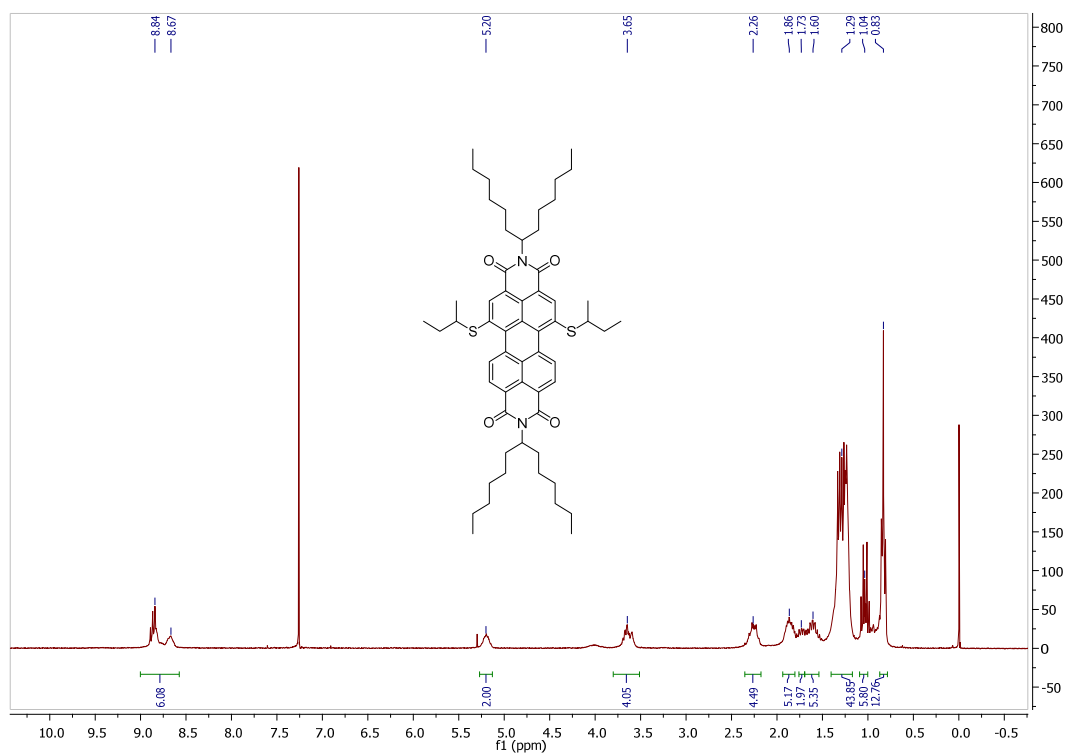


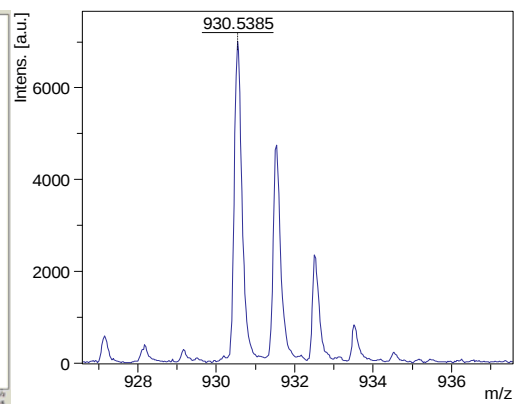
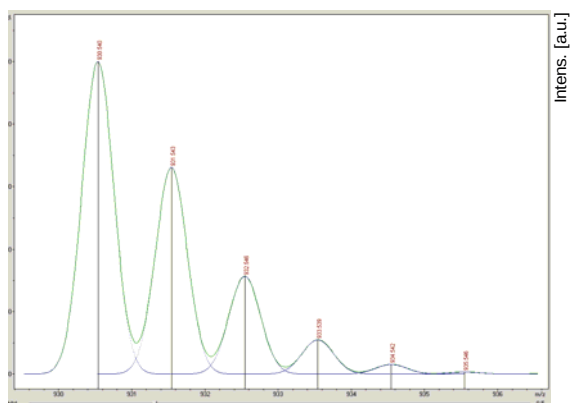
***N,N'*-di-(1'-hexylheptyl)-1-s-butylthioperylene-3,4:9,10-tetracarboxydiimide (2d)**



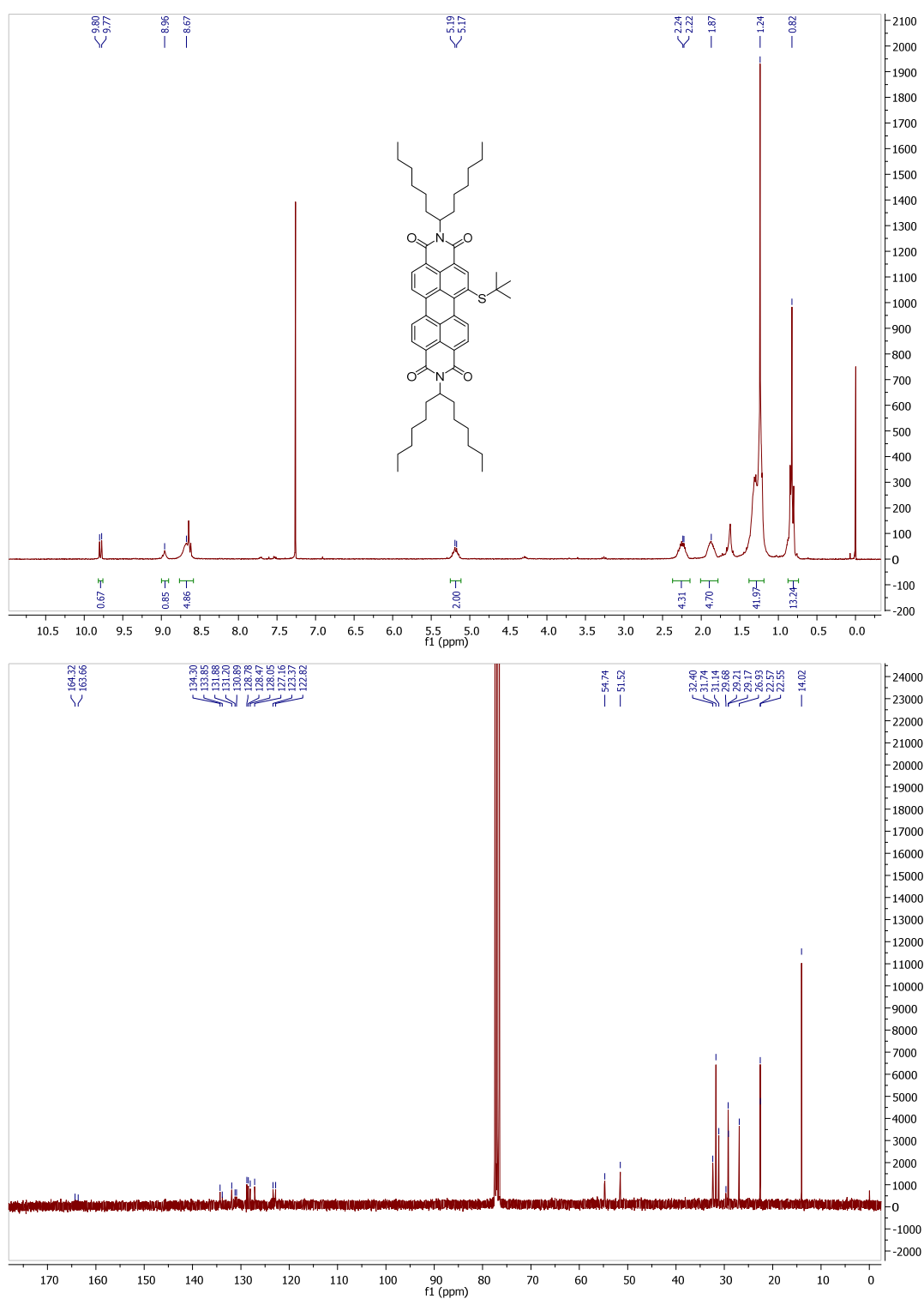


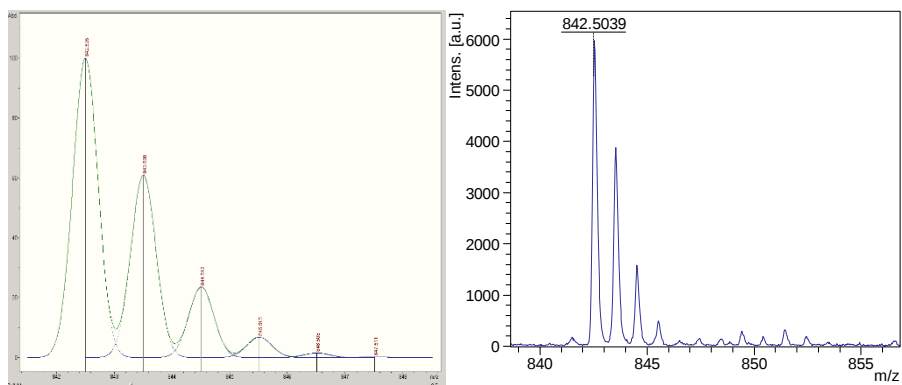
***N,N'*-di-(1'-hexylheptyl)-1,6(7)-di-*s*-butylthioperylene-3,4:9,10-tetracarboxydiimide (3d)**



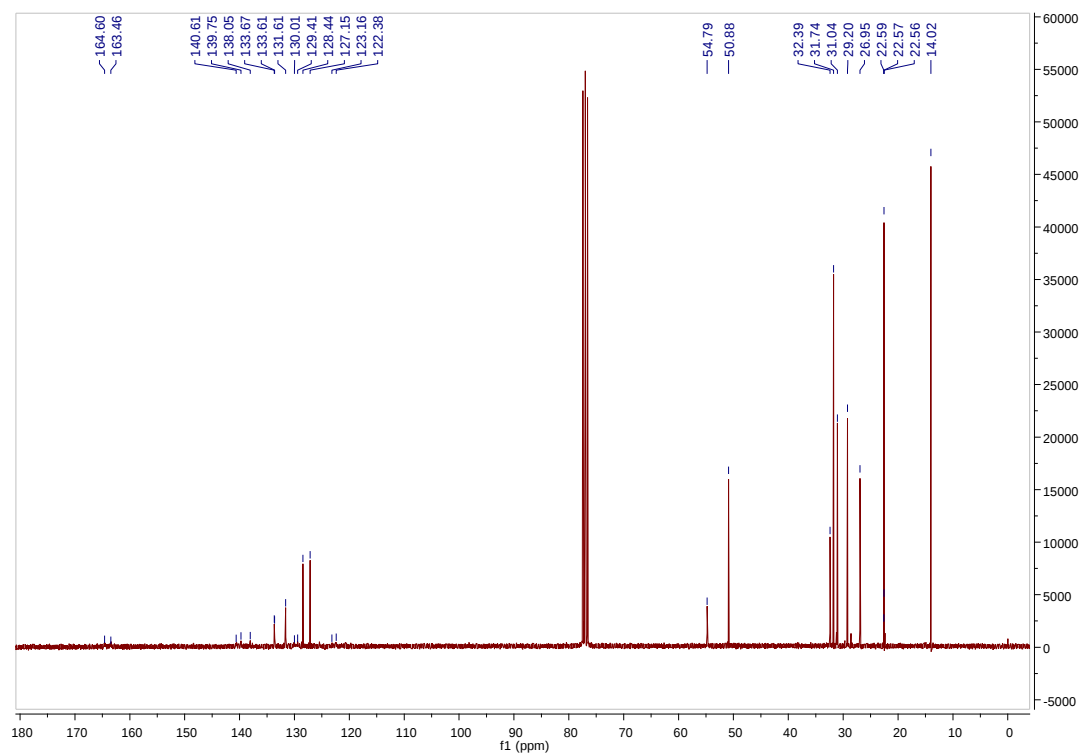
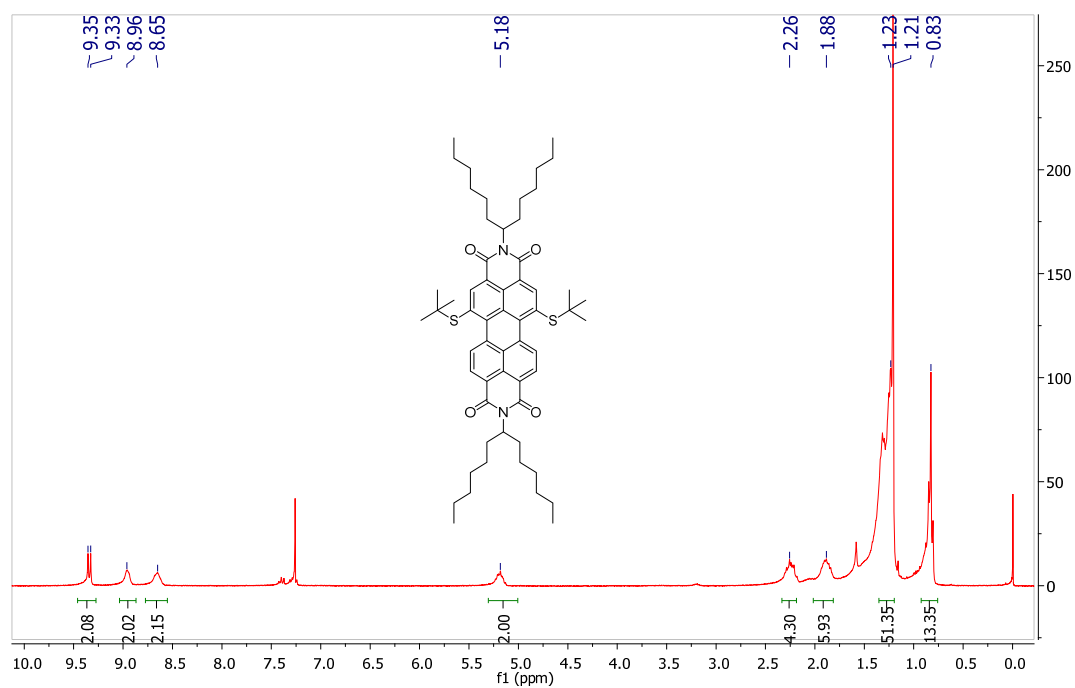


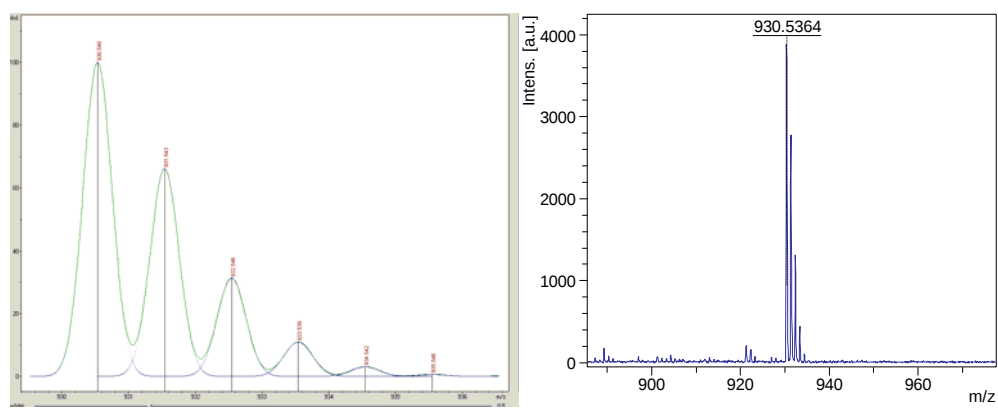
***N,N'*-di-(1'-hexylheptyl)-1-*t*-butylthioperylene-3,4:9,10-tetracarboxydiimide (2e)**



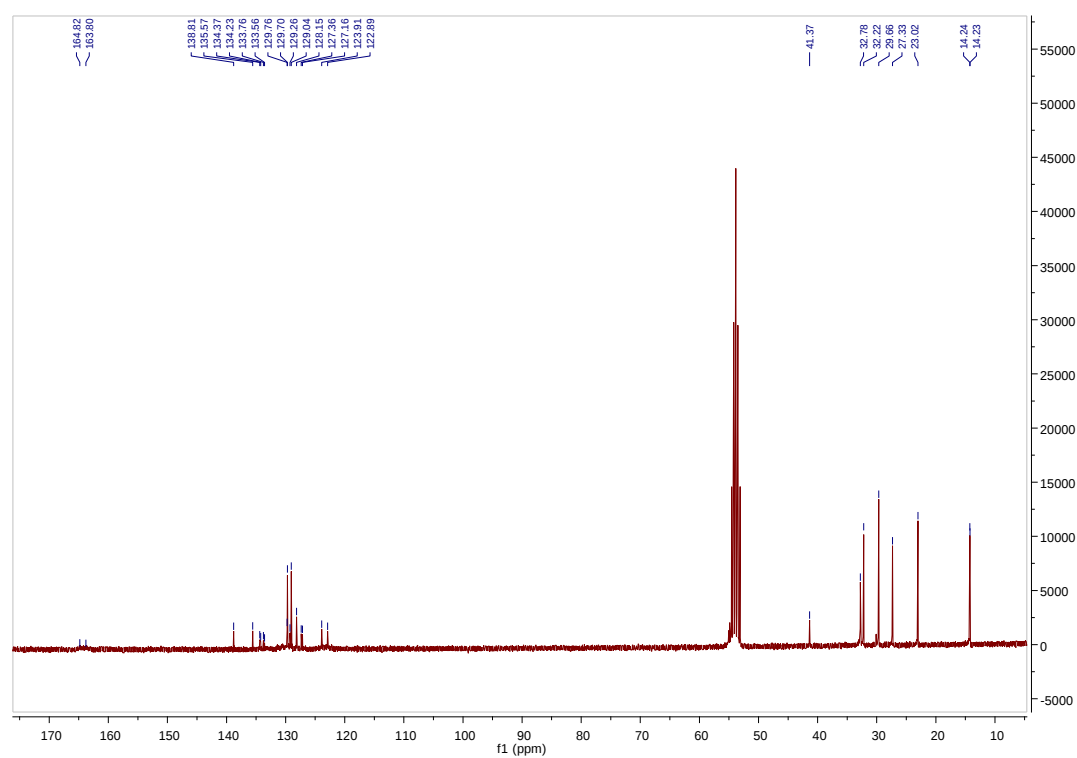
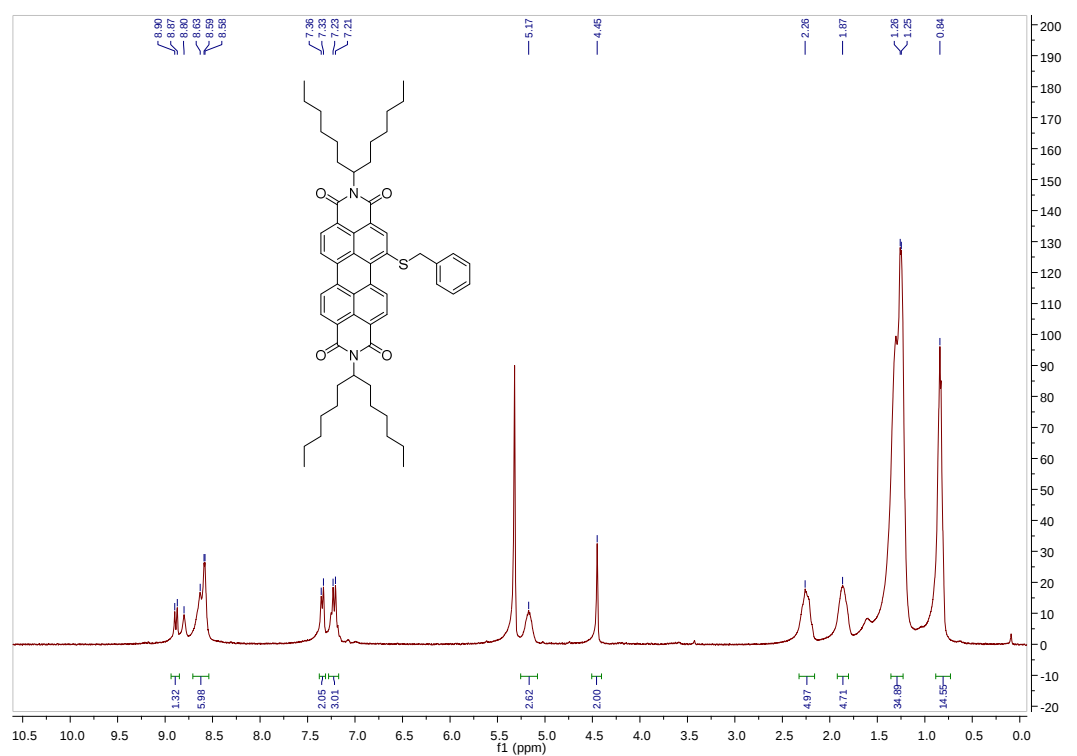


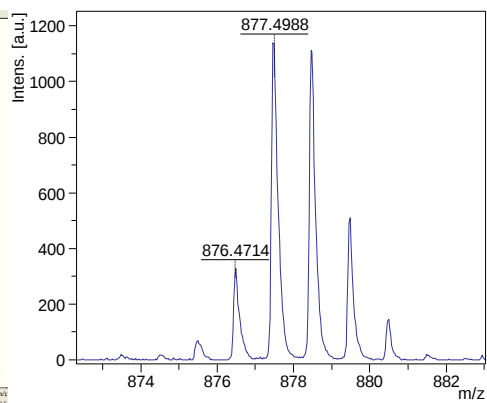
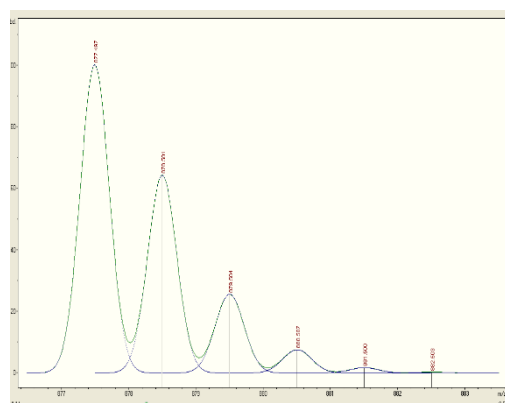
***N,N'*-di-(1'-hexylheptyl)-1,6-di-*t*-butylthioperylene-3,4:9,10-tetracarboxydiimide (3e)**





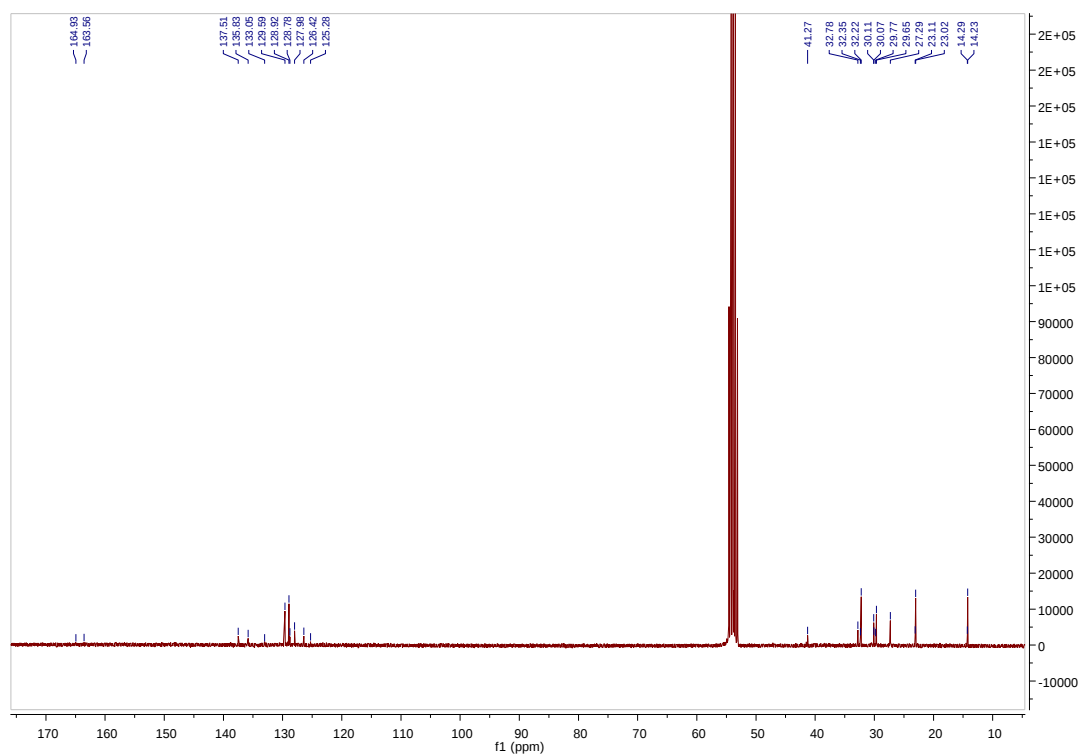
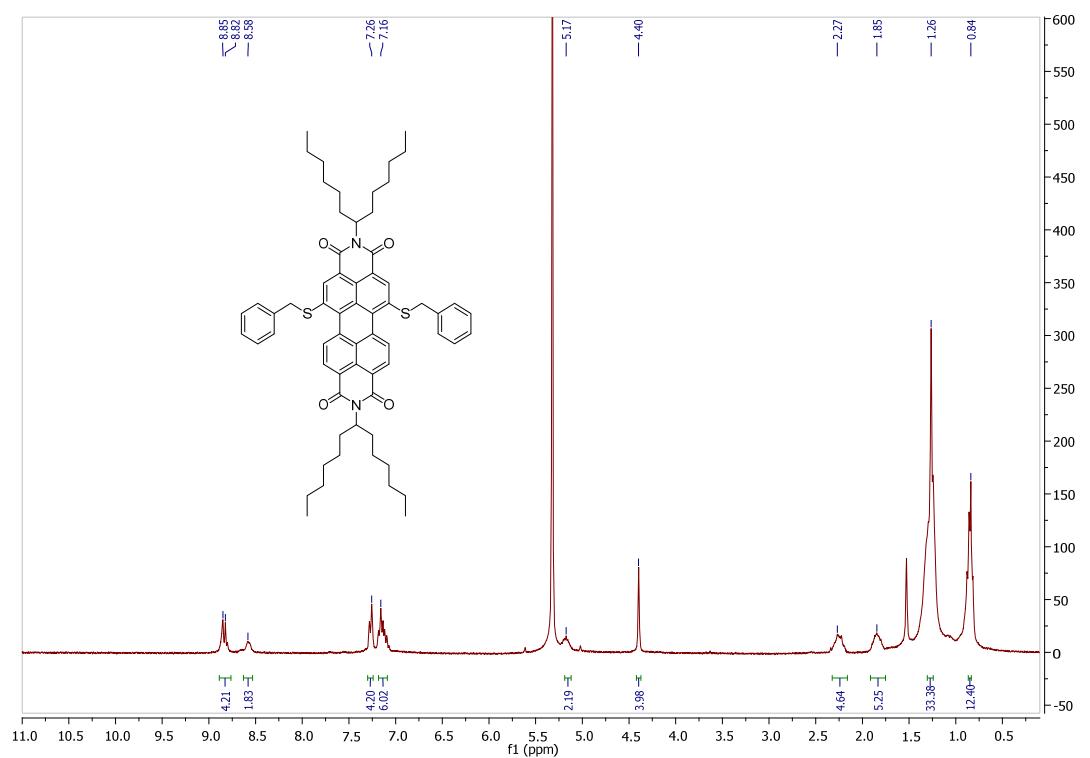
***N,N'*-di-(1'-hexylheptyl)-1-benzylthioperylene-3,4:9,10-tetracarboxydiimide (2f)**

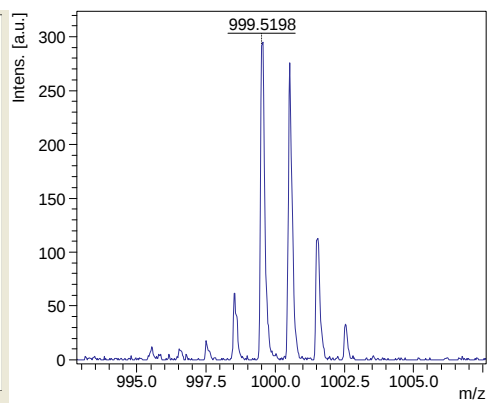
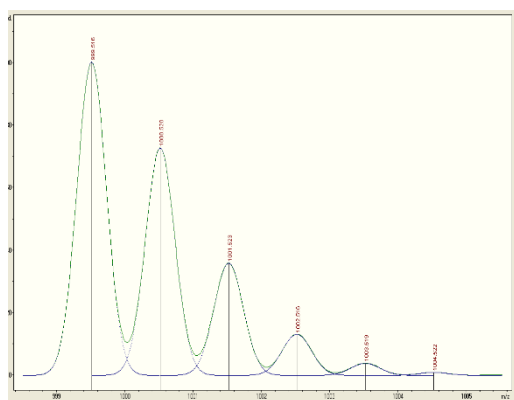




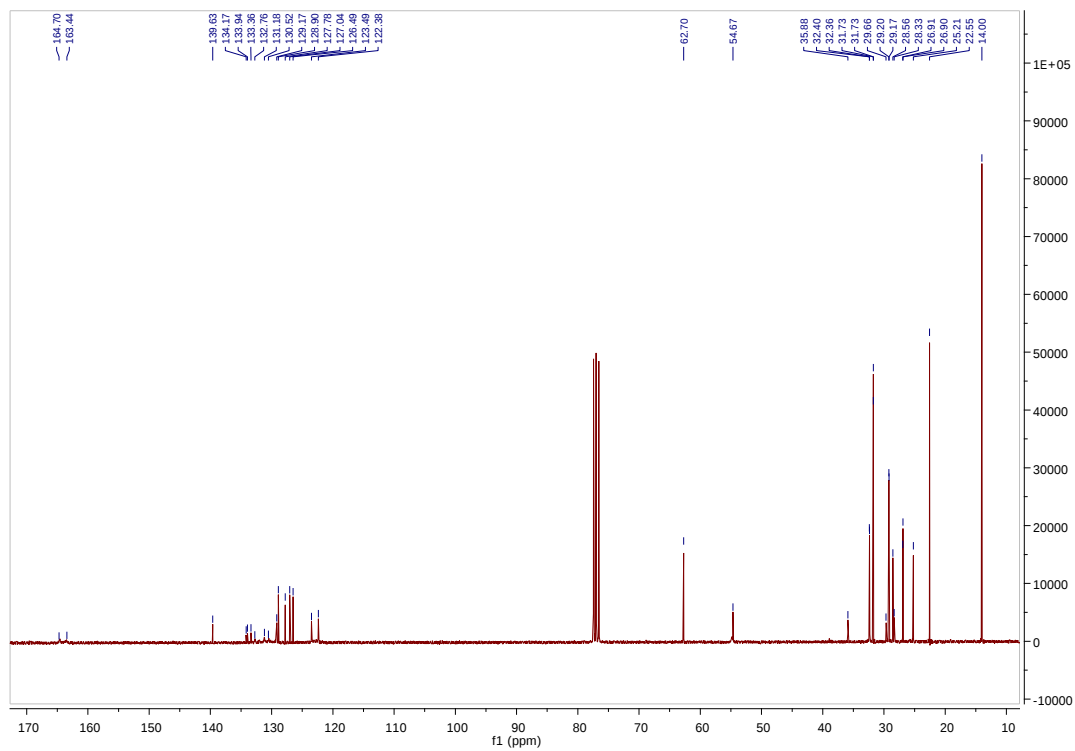
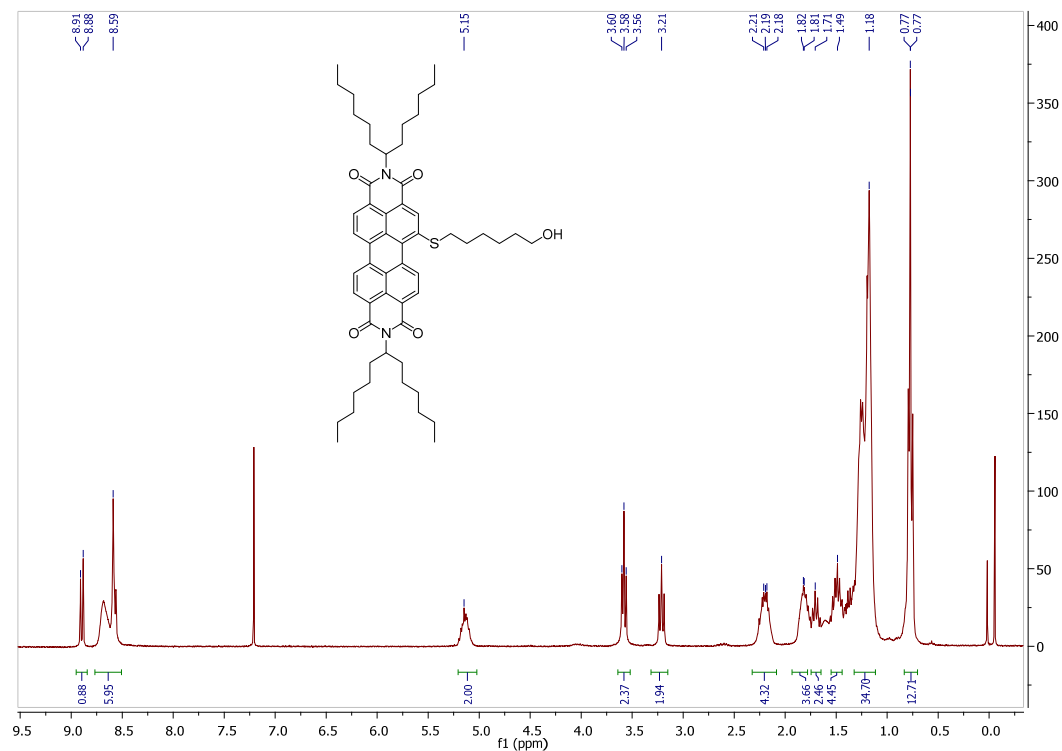
***N,N'*-di-(1'-hexylheptyl)-1,6(7)-dibenzylthioperylene-3,4:9,10-tetracarboxydiimide**

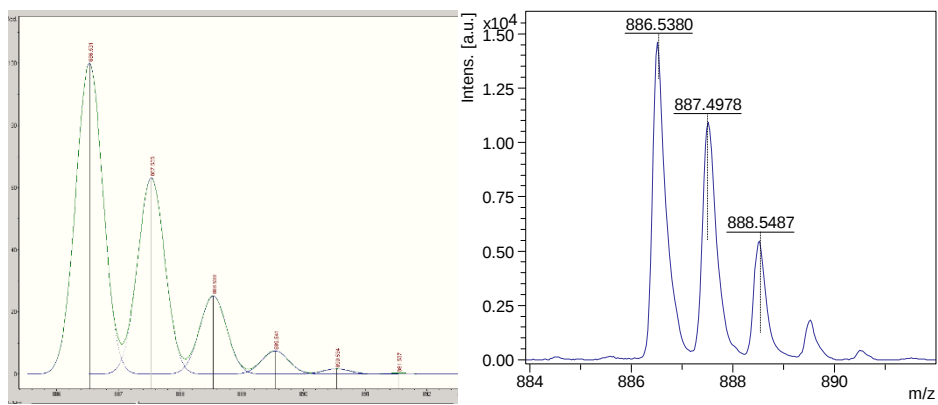
(3f)



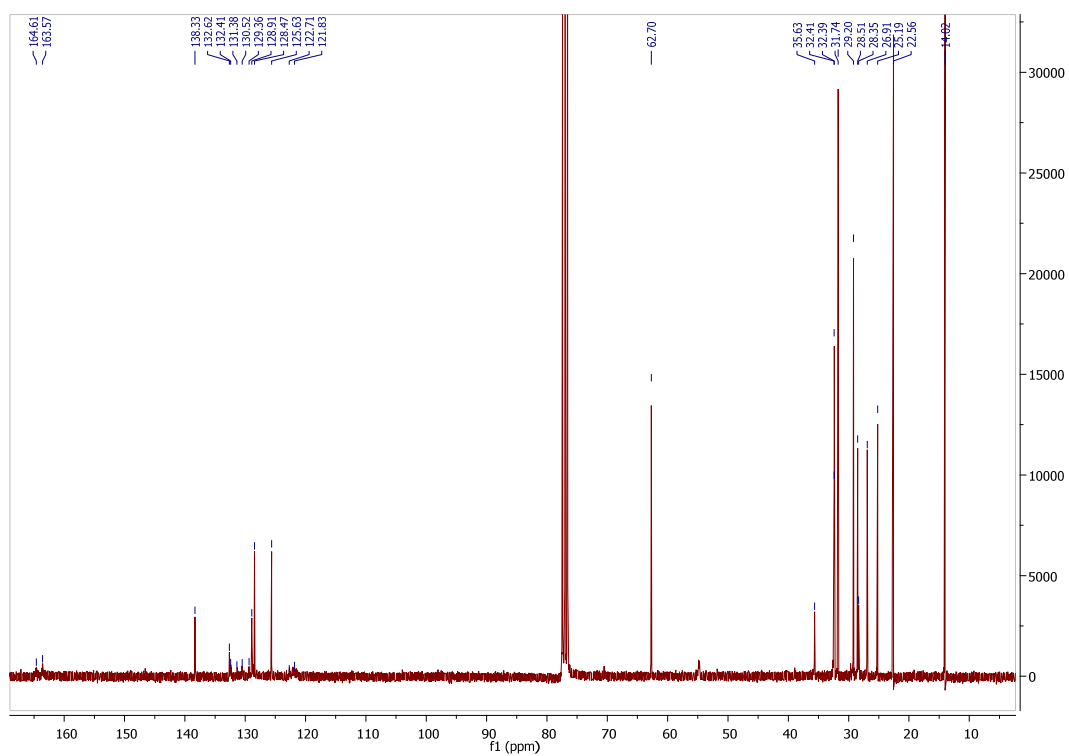
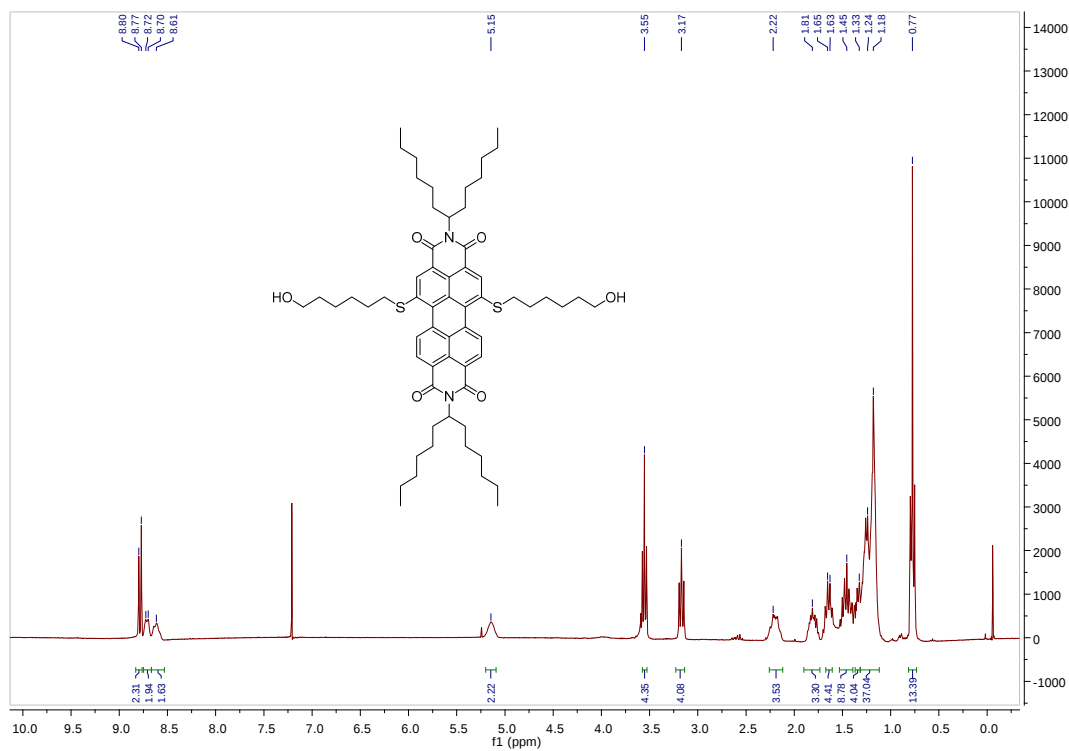


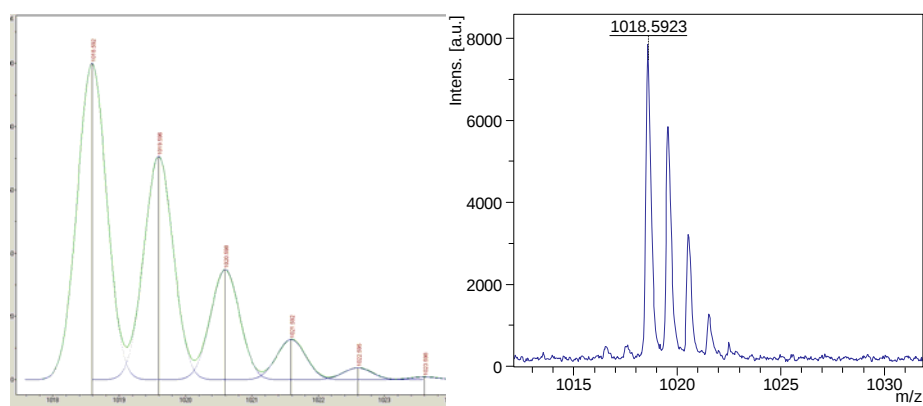
***N,N'*-di-(1'-hexylheptyl)-1-(6'-hydroxyhexylthio)perylene-3,4:9,10-tetracarboxydiimide (4)**





***N,N'*-di-(1'-hexylheptyl)-1,6(7)-di-(6'-hydroxyhexylthio)perylene-3,4:9,10-tetracarboxydiimide (5)**





***N,N'*-di-(1'-hexylheptyl)-1-butoxy-6(7)-hexylthioperylene-3,4:9,10-tetracarboxydiimide (8)**

