

## **Electronic Supplementary information for New Journal of Chemistry**

### **Supporting Information**

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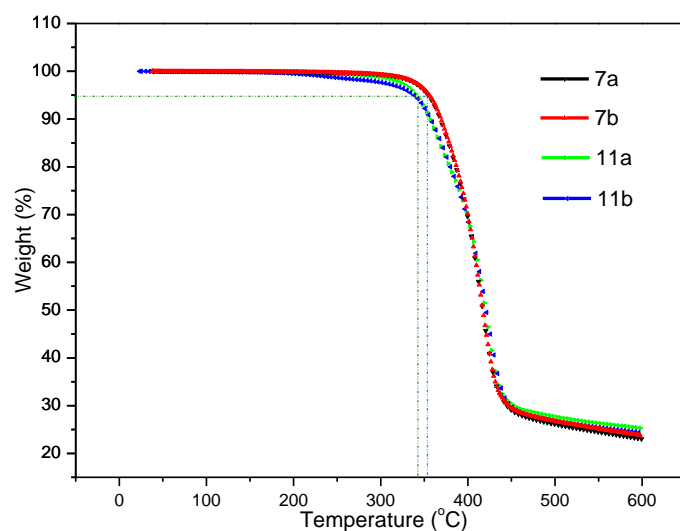


Figure S1. The TGA traces of the compounds **7a**, **7b**, **11a** and **11b** under nitrogen atmosphere, and the heating rate is 10 °C /min.

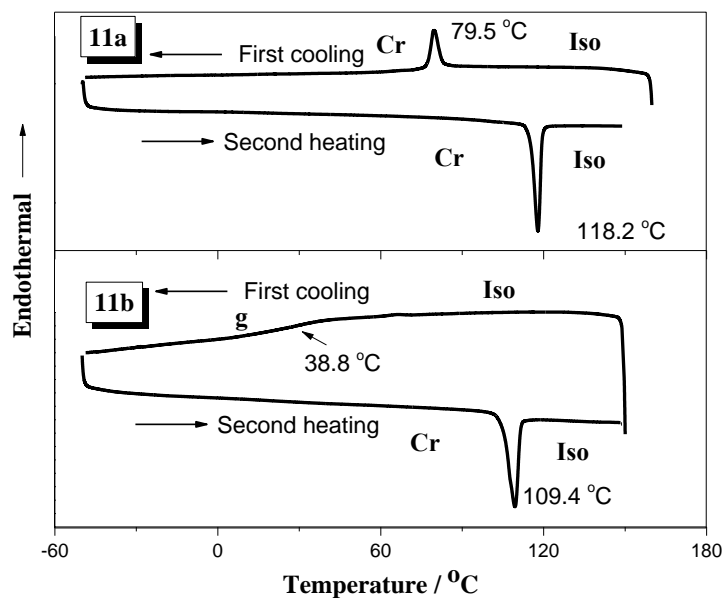
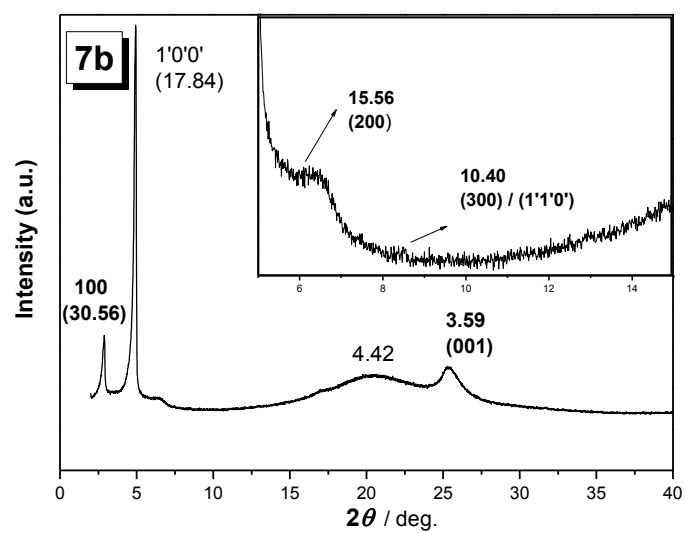
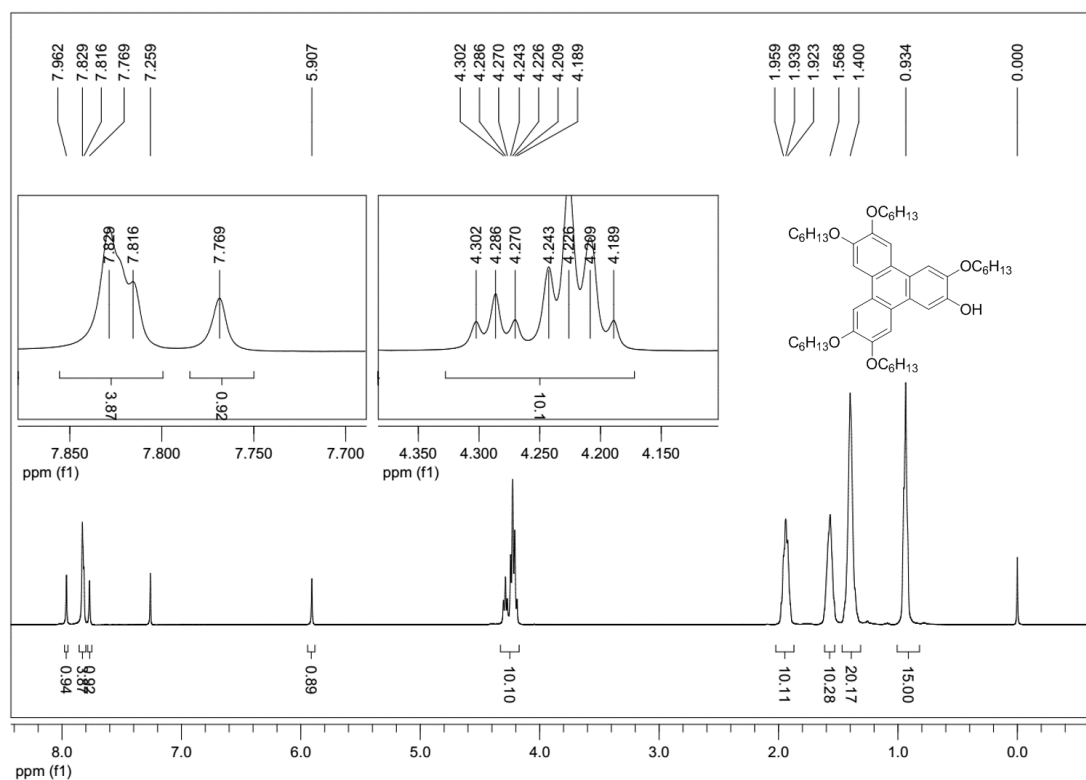


Figure S2. The DSC traces of the compounds **11a** and **11b** on the second heating and first cooling circles at 10 °C / min.

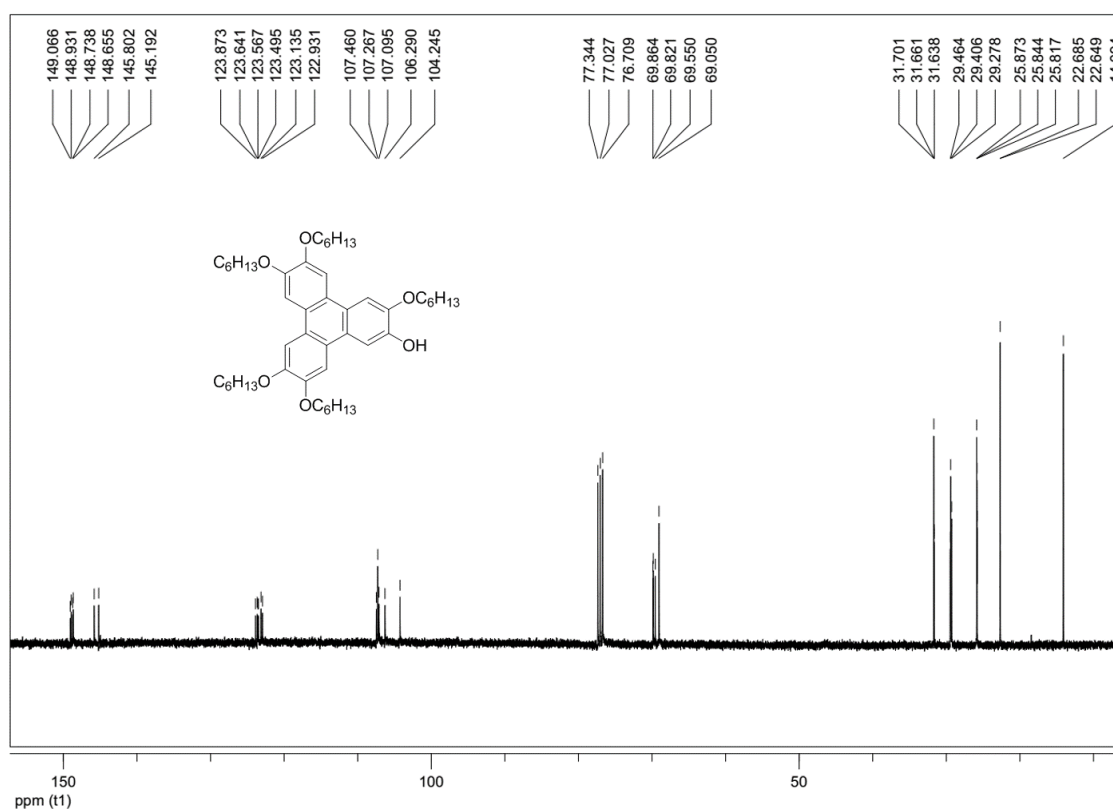


**Figure S3.** The XRD pattern of **7b** at 25 °C on cooling.

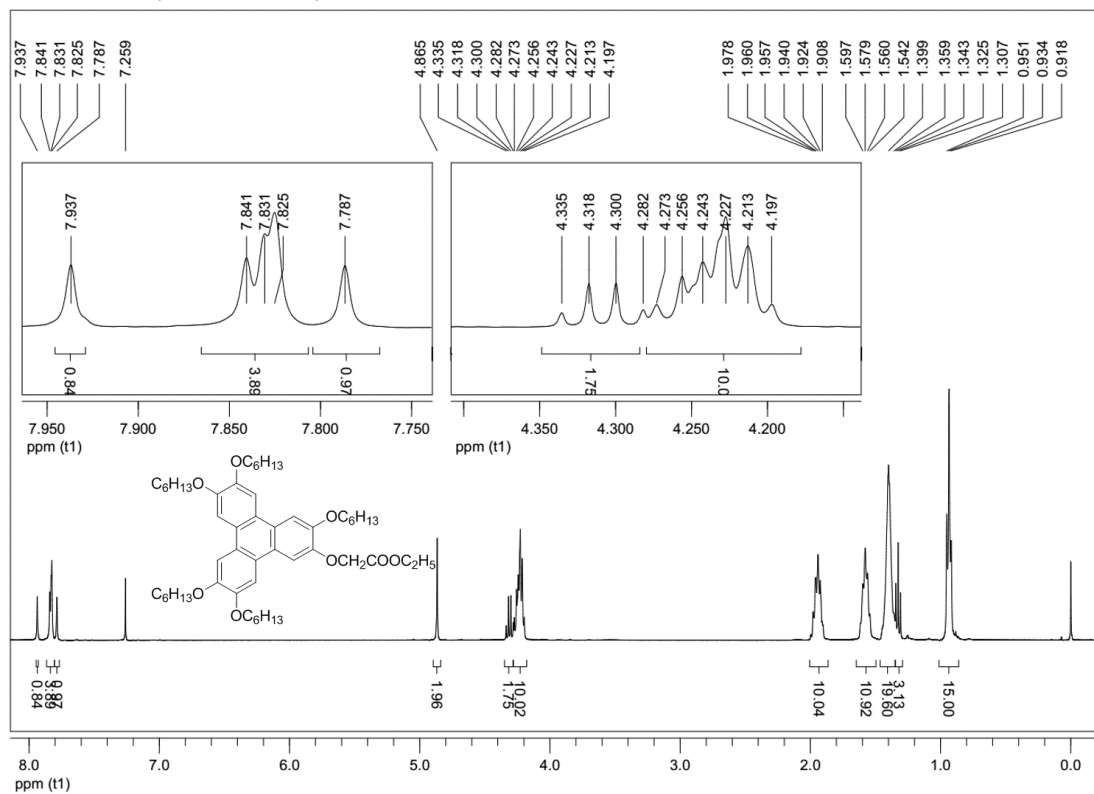
The  $^1\text{H}$  NMR spectra of compound **1**



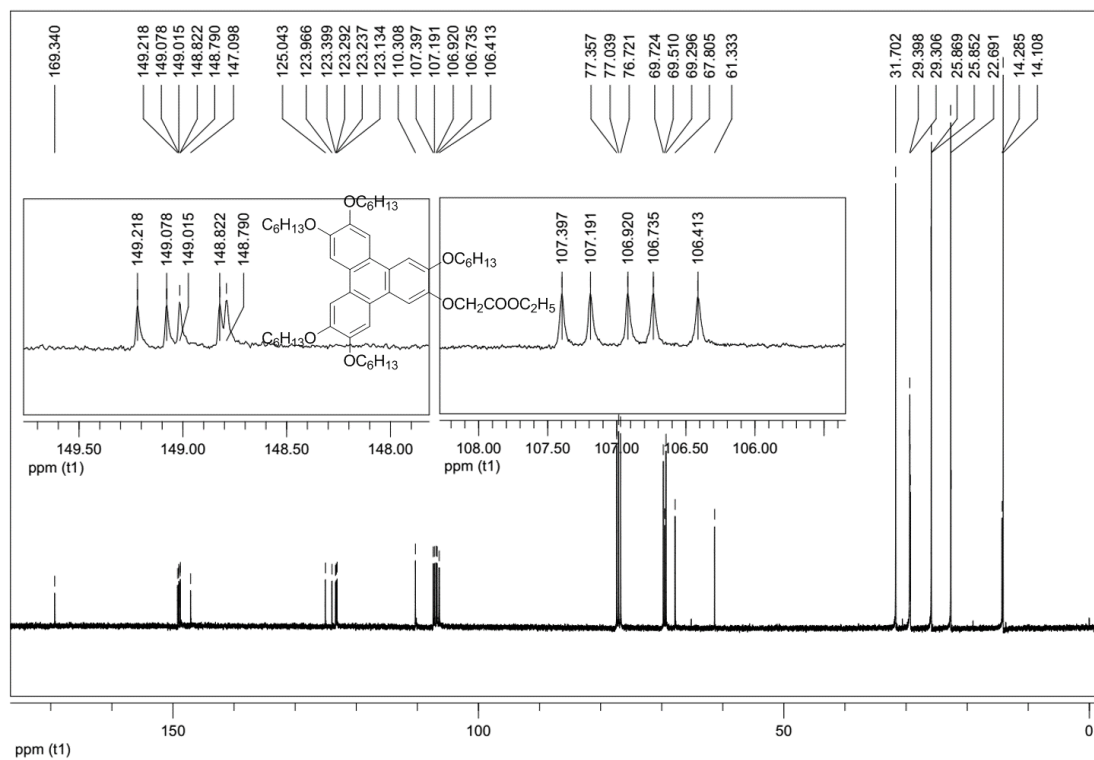
The  $^{13}\text{C}$  NMR spectra of compound **1**



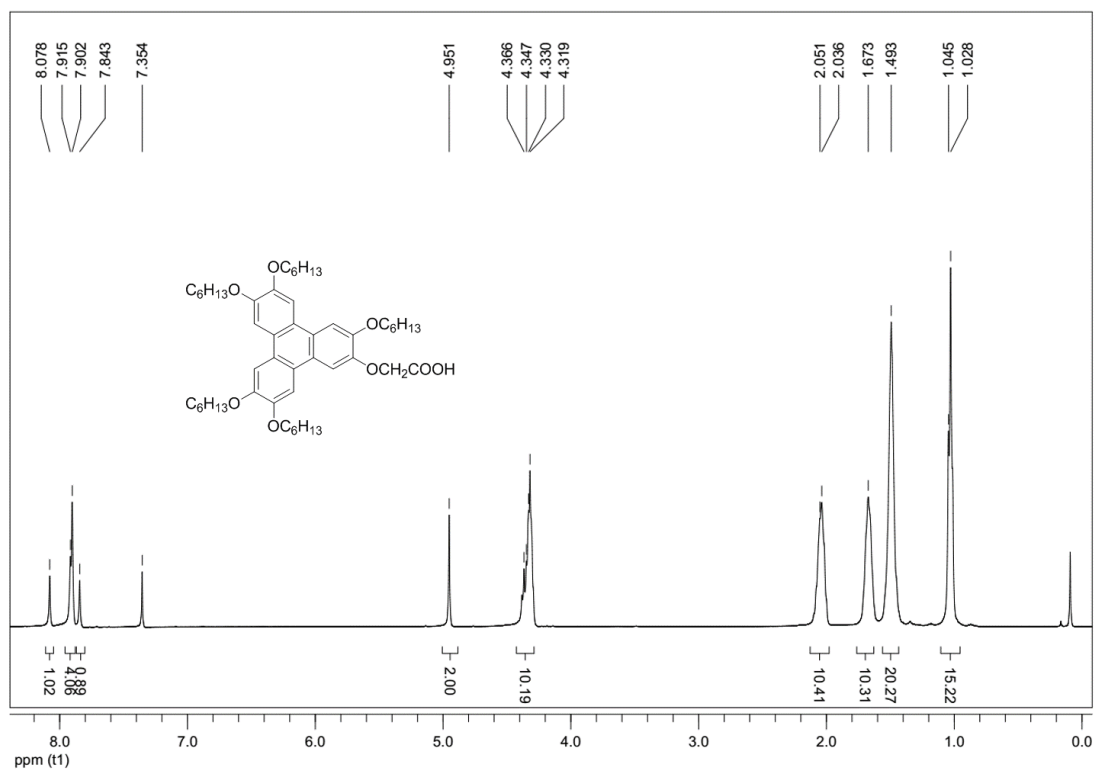
The  $^1\text{H}$  NMR spectra of compound **2**



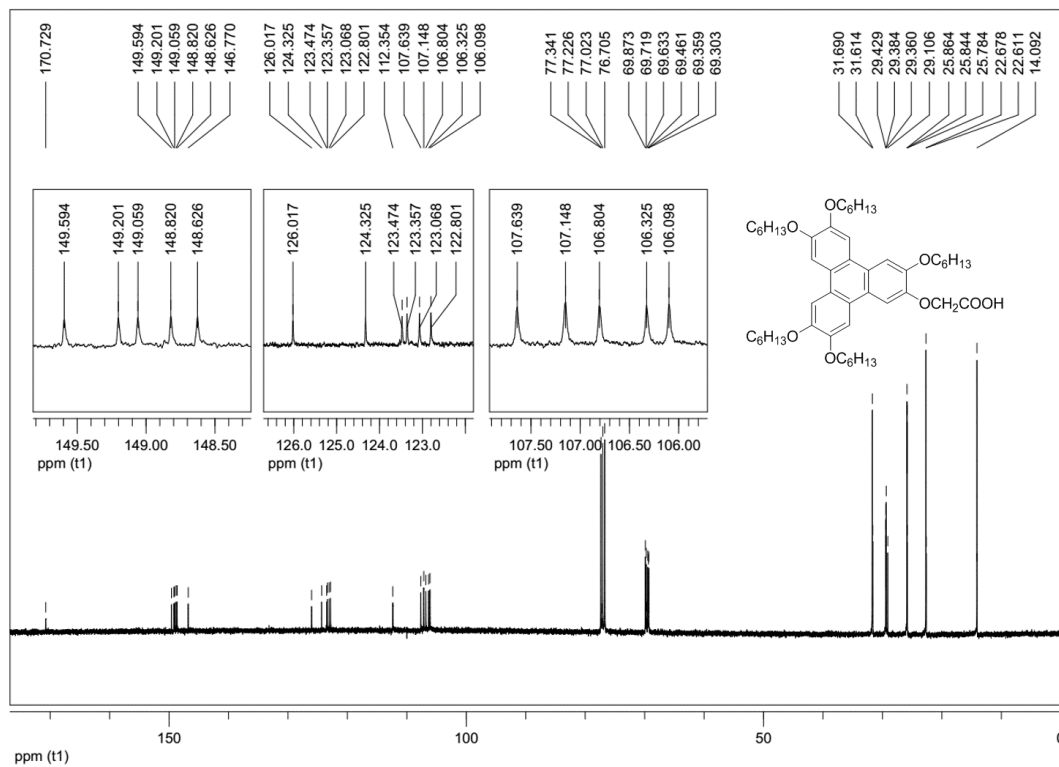
The  $^{13}\text{C}$  NMR spectra of compound **2**



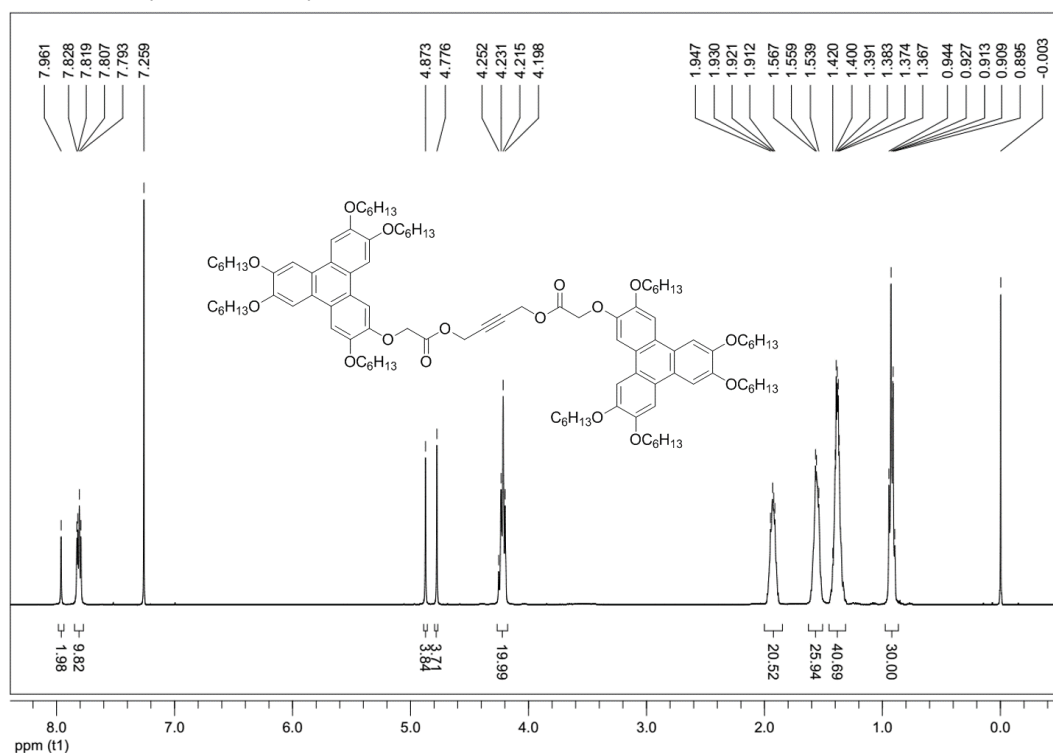
The  $^1\text{H}$  NMR spectra of compound **3**



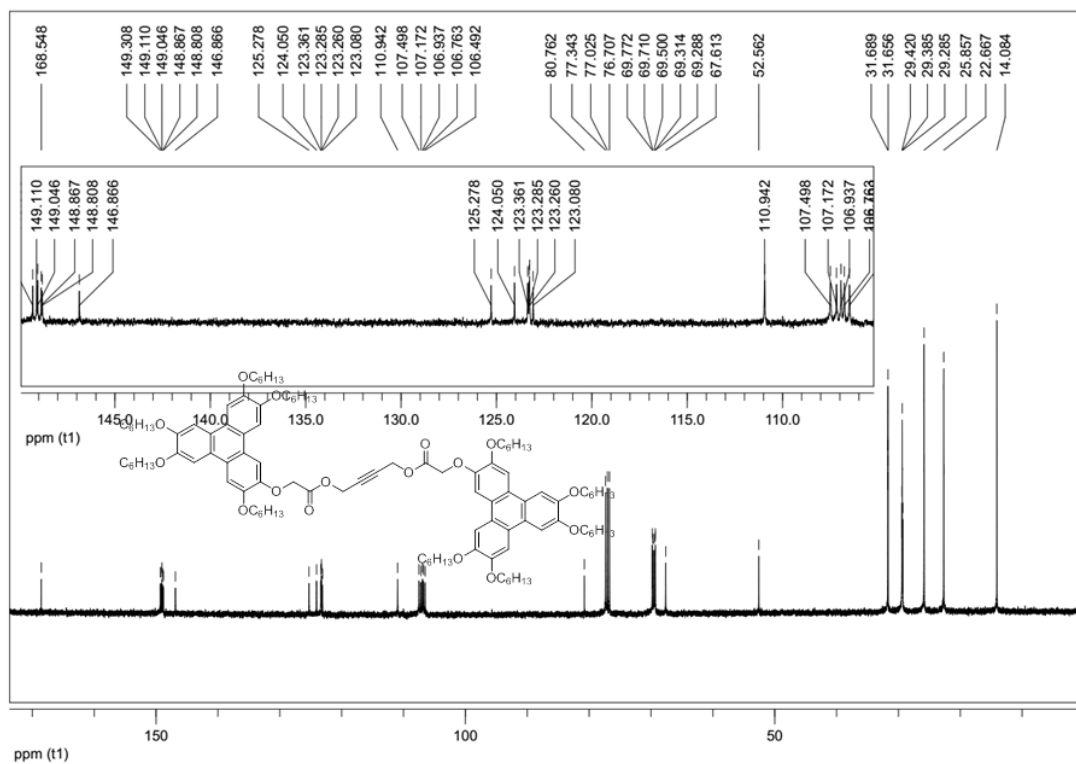
The  $^{13}\text{C}$  NMR spectra of compound **3**



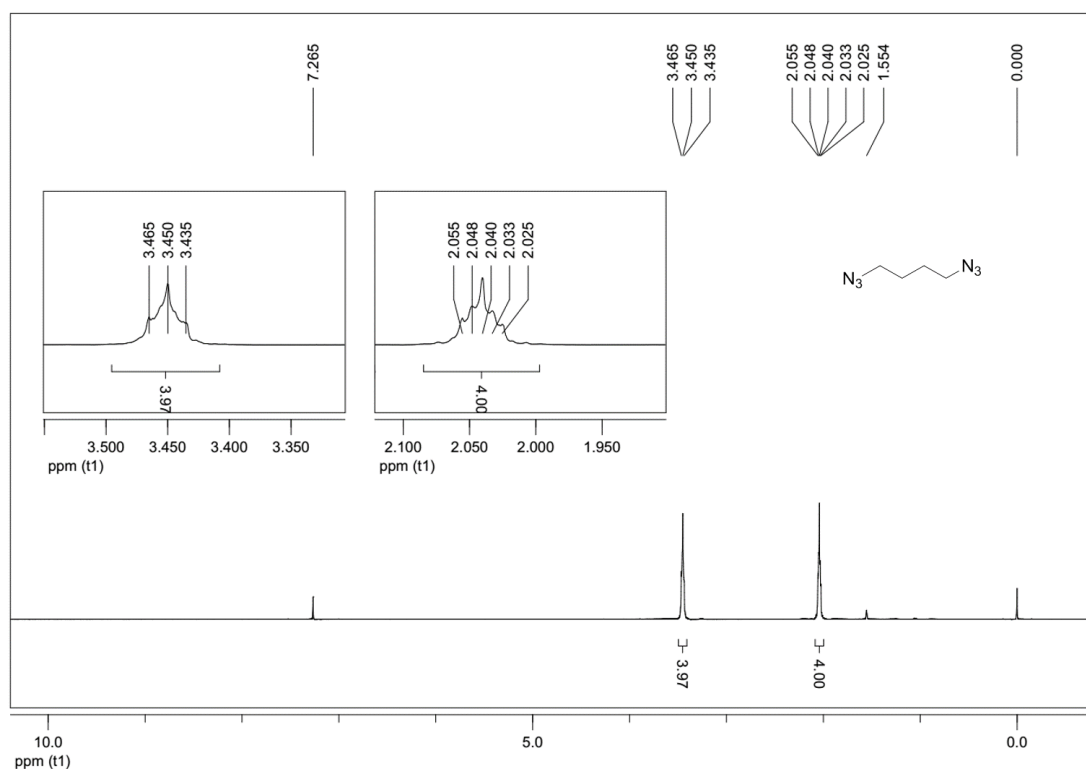
The  $^1\text{H}$  NMR spectra of compound **4**



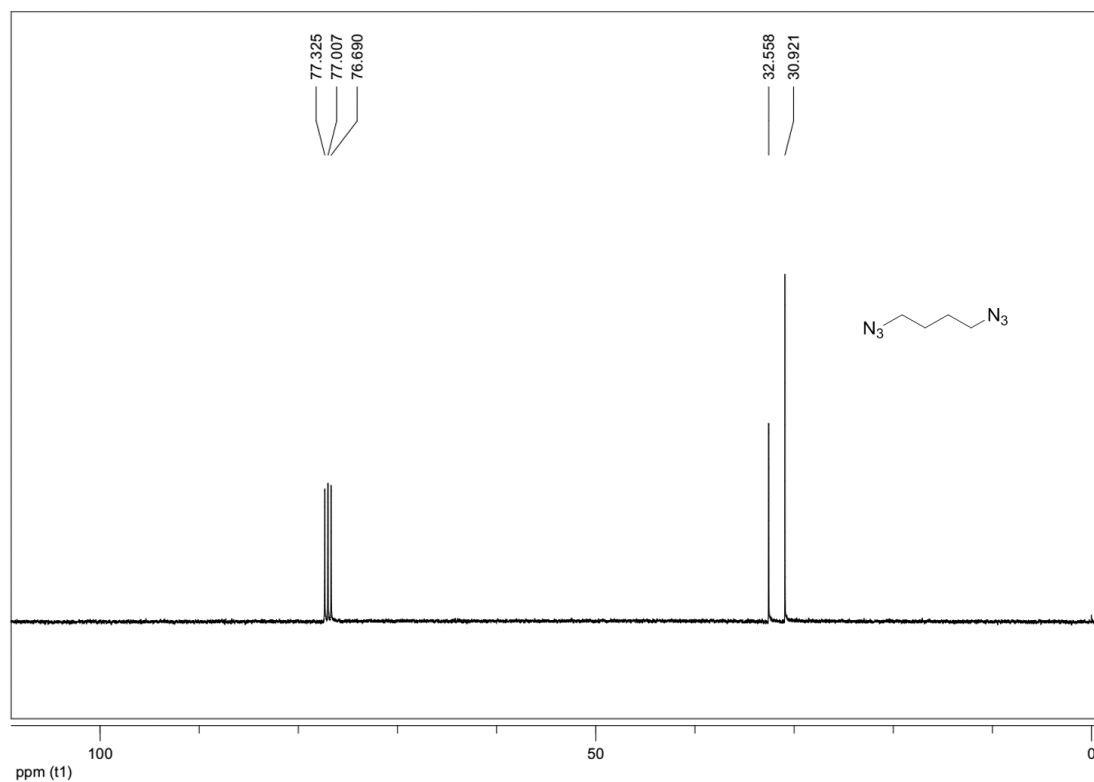
The  $^{13}\text{C}$  NMR spectra of compound **4**



The  $^1\text{H}$  NMR spectra of compound **6a**

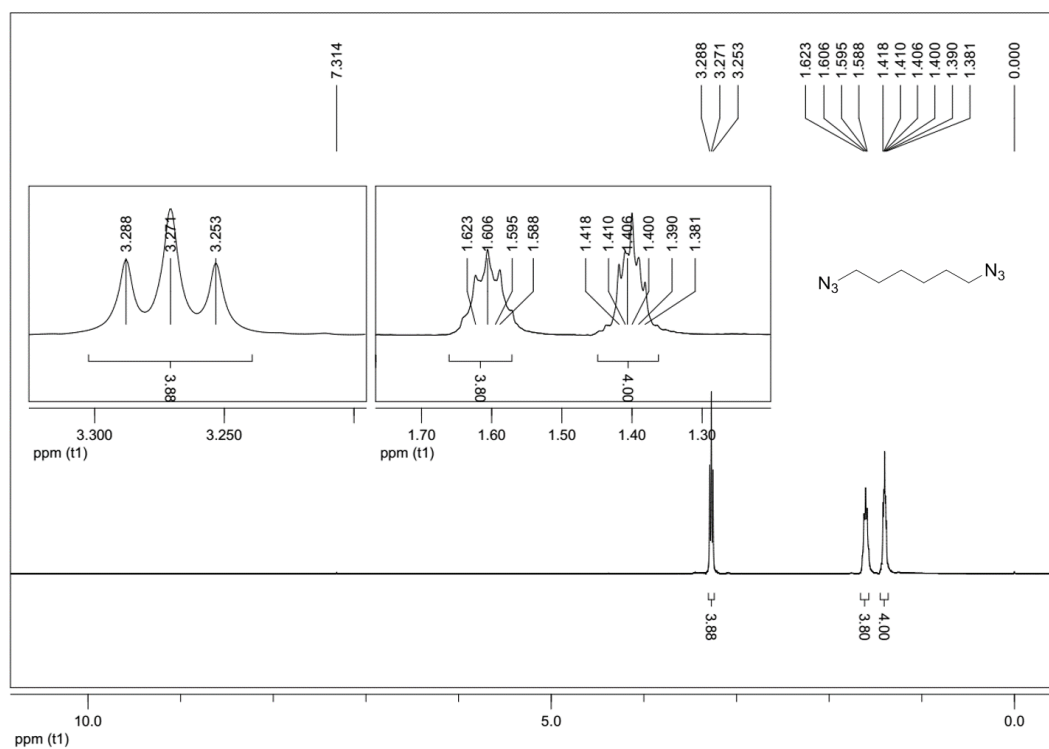


The  $^{13}\text{C}$  NMR spectra of compound **6a**

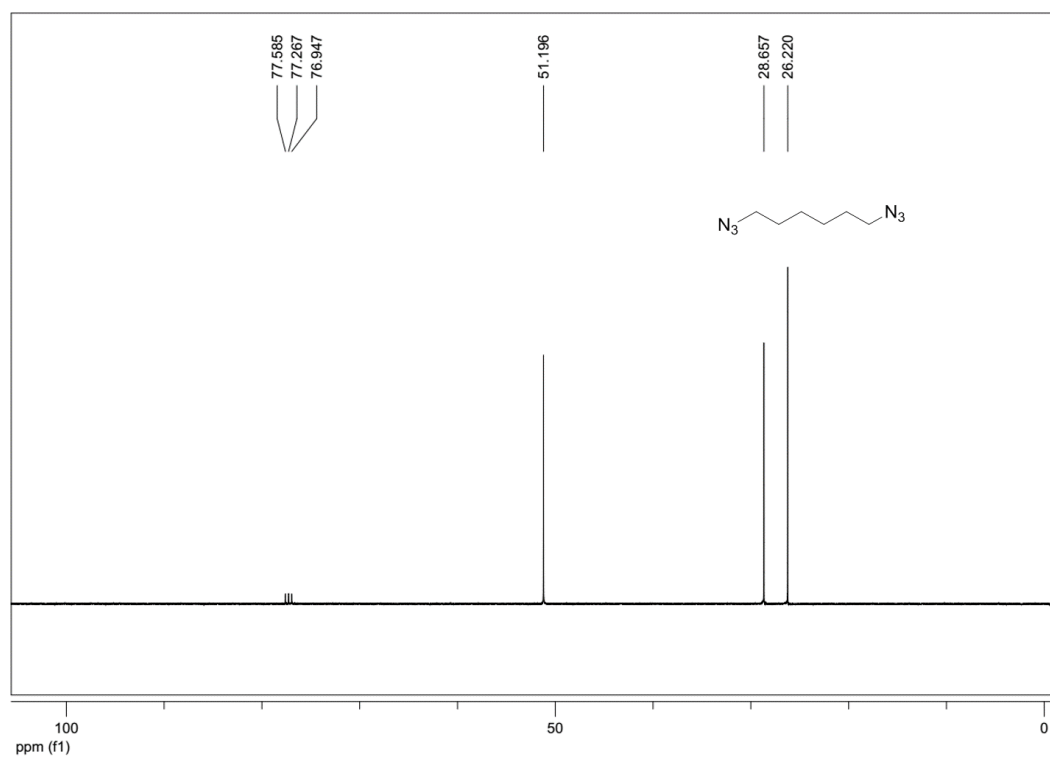




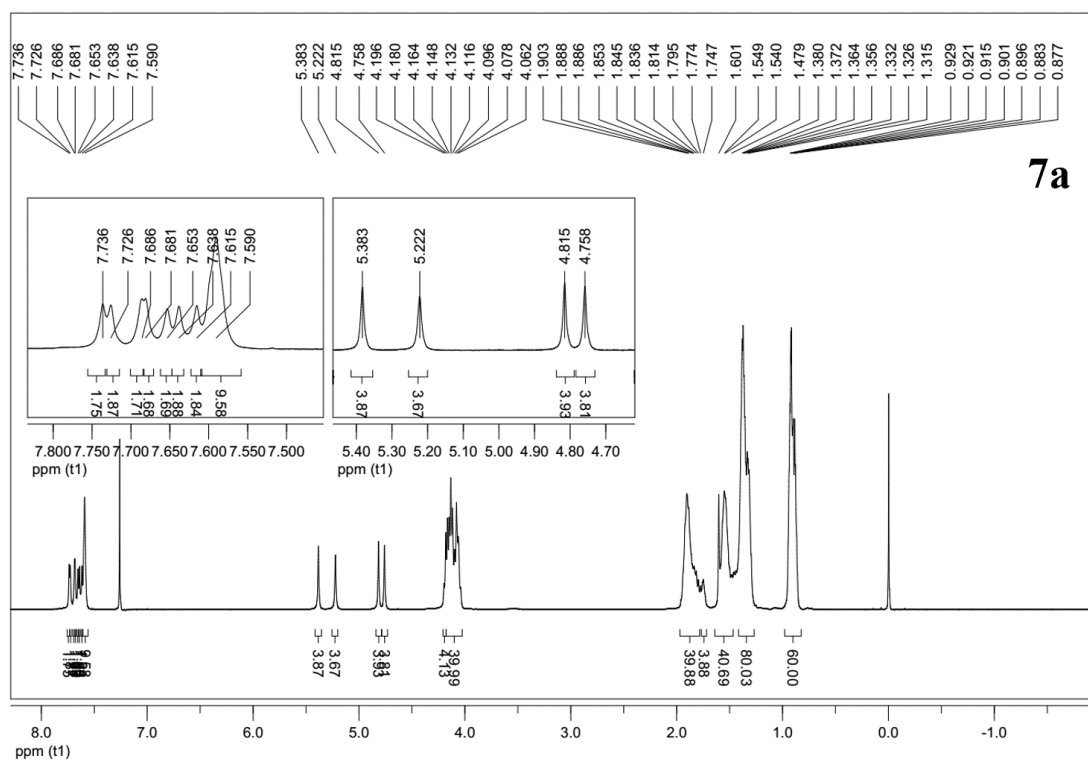
The  $^1\text{H}$  NMR spectra of compound **6b**



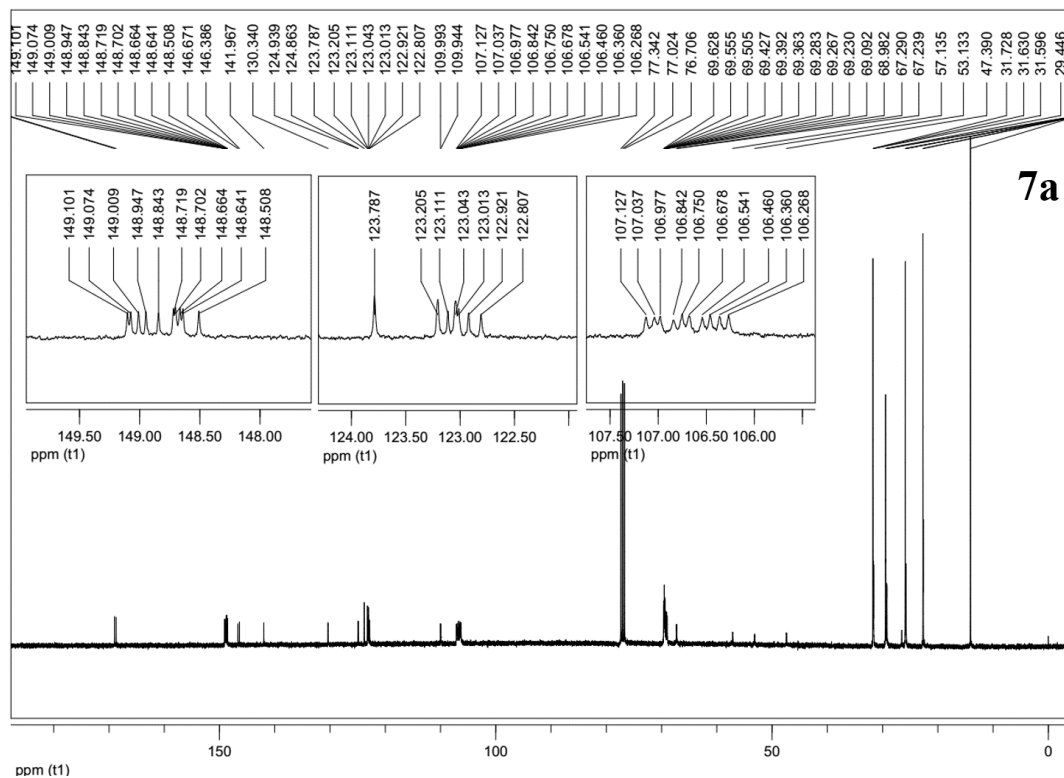
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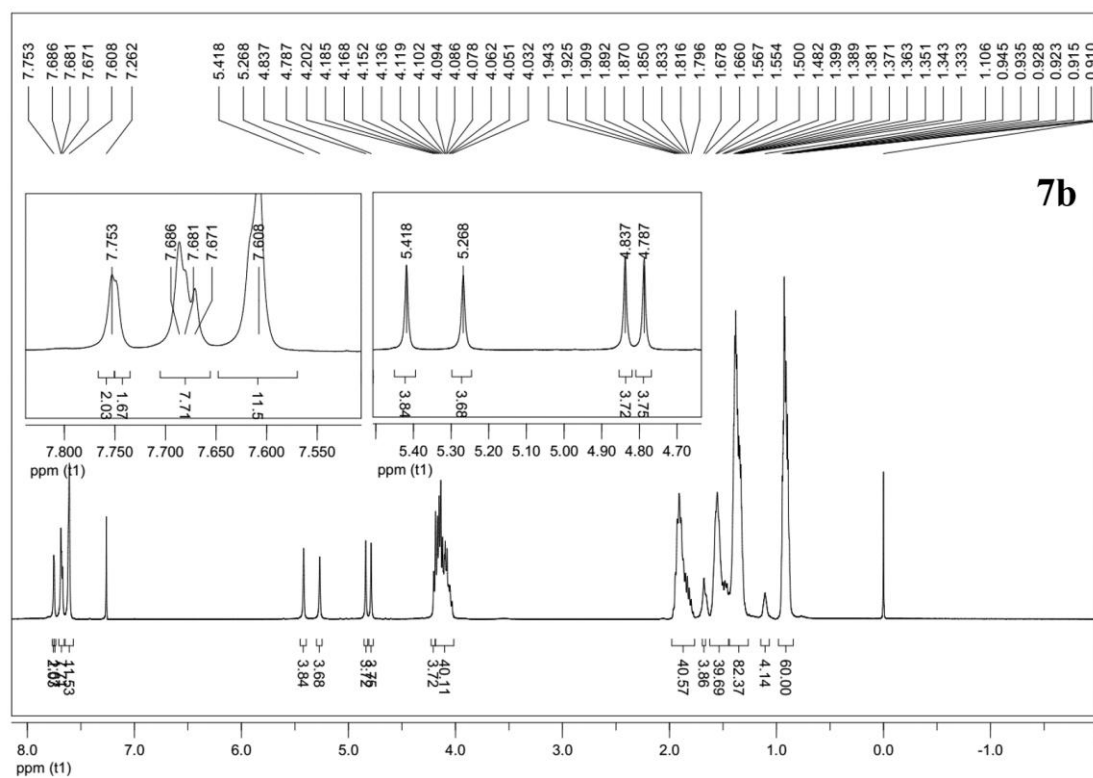
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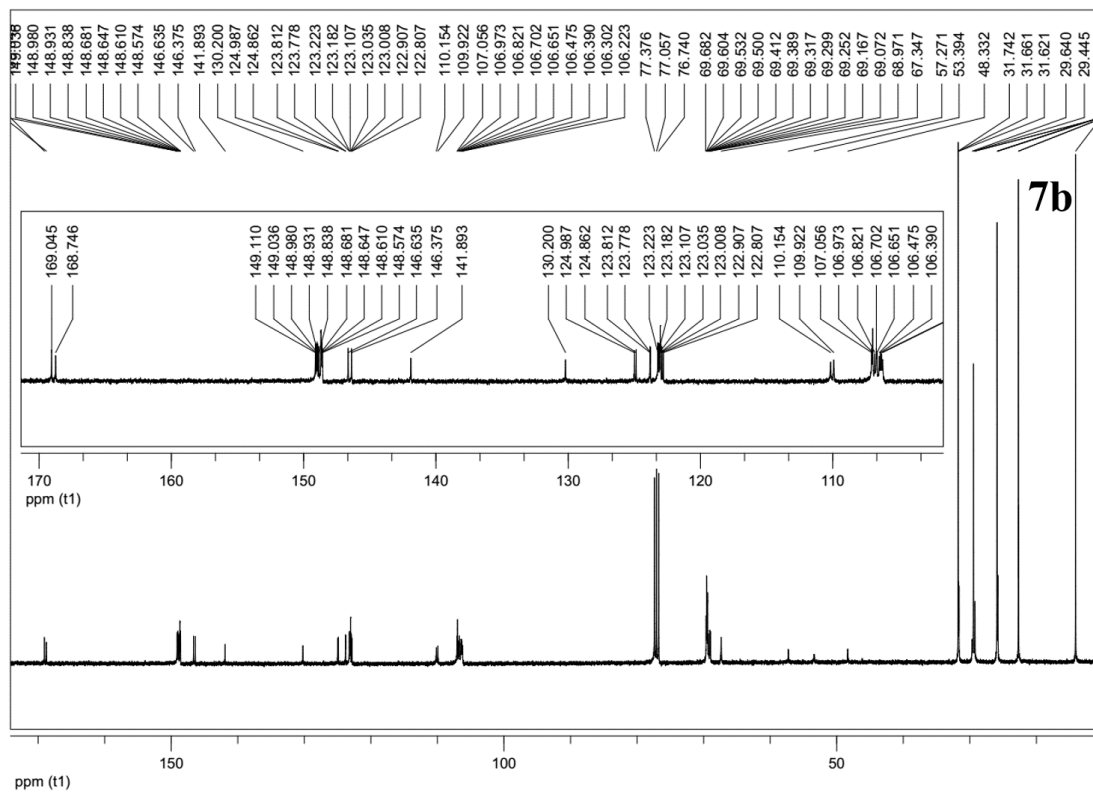
The  $^{13}\text{C}$  NMR spectra of compound **7a**



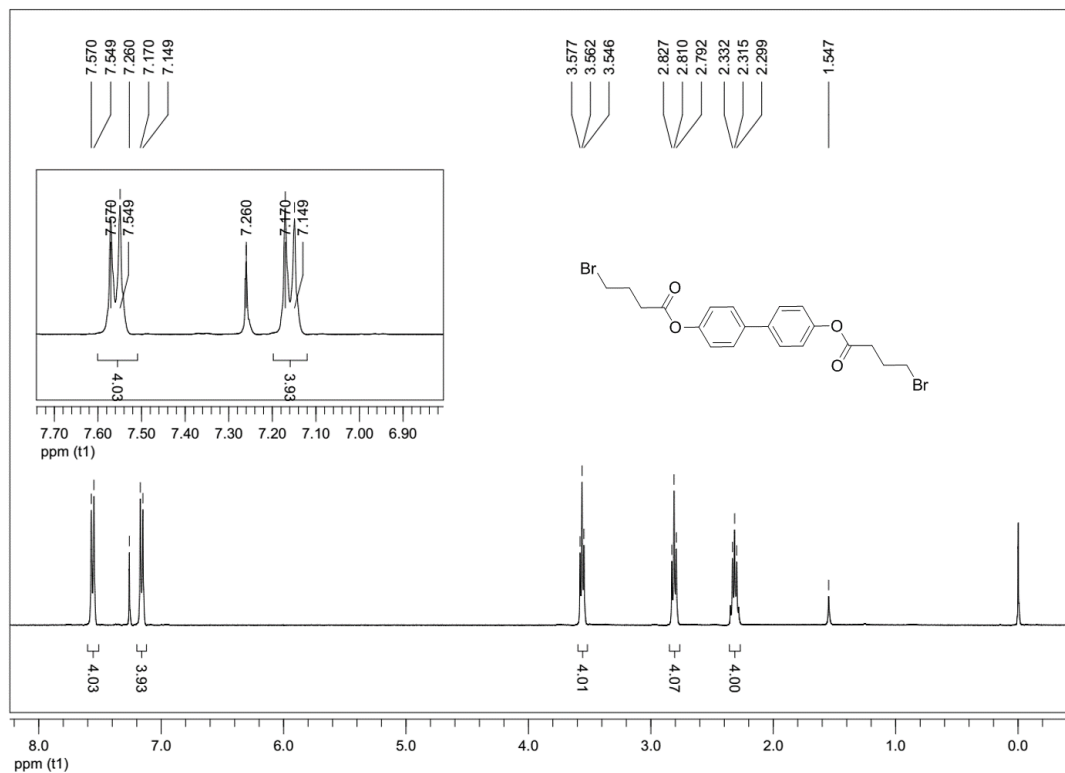
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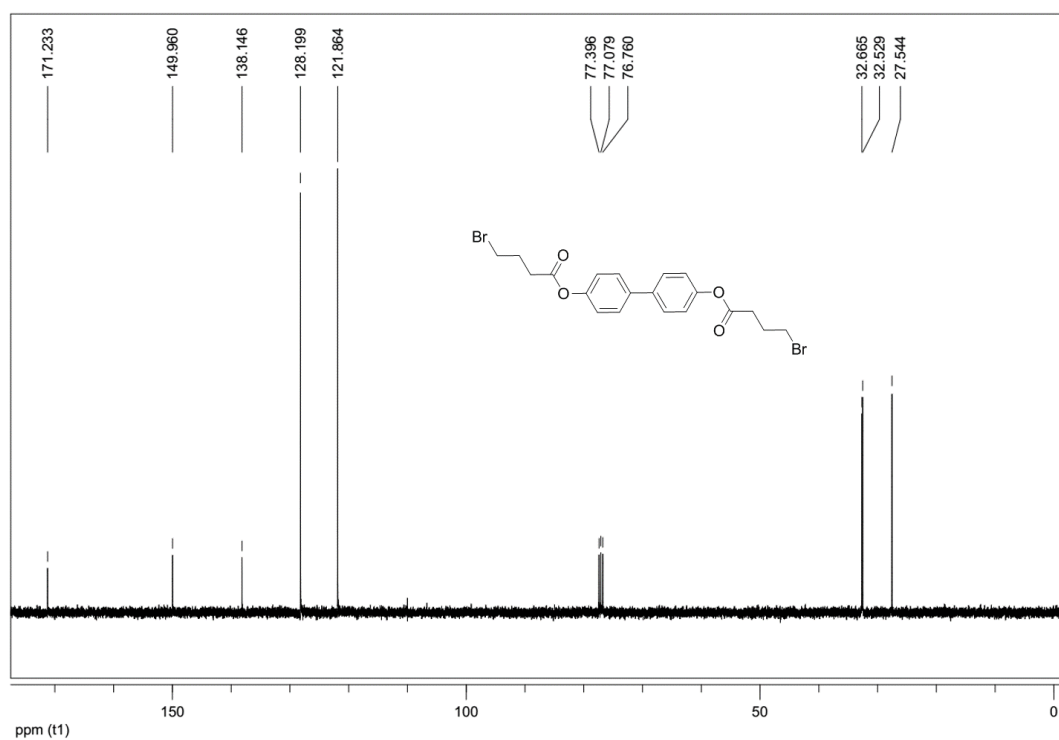
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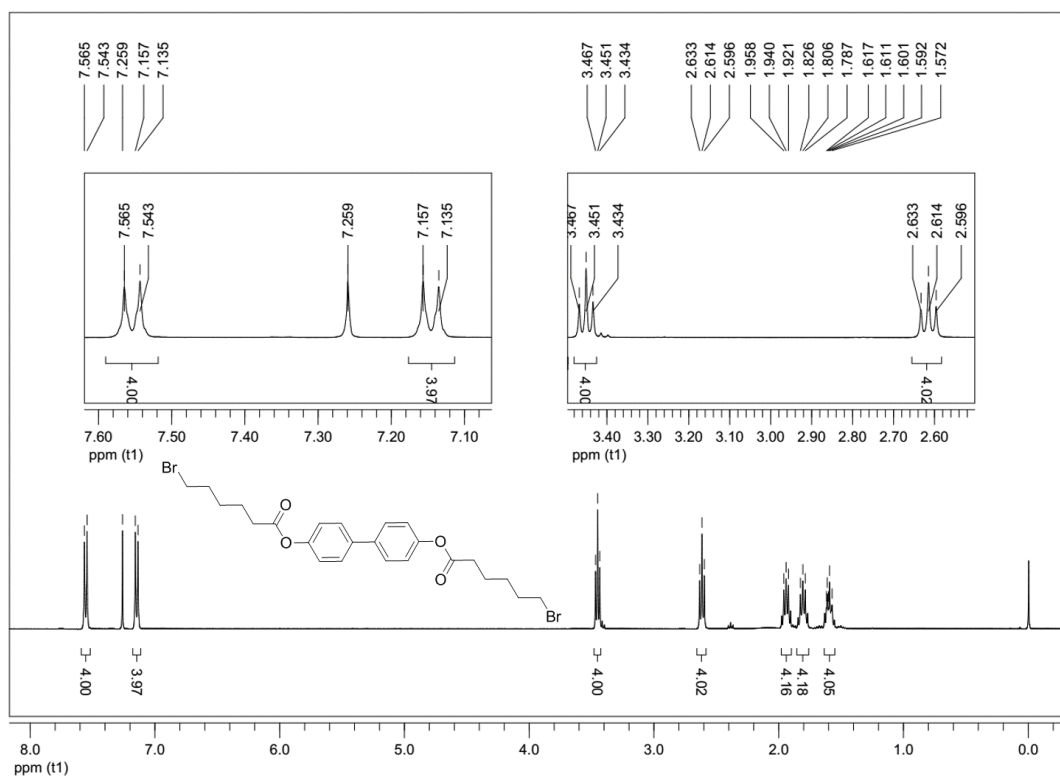
The  $^1\text{H}$  NMR spectra of compound **9a**



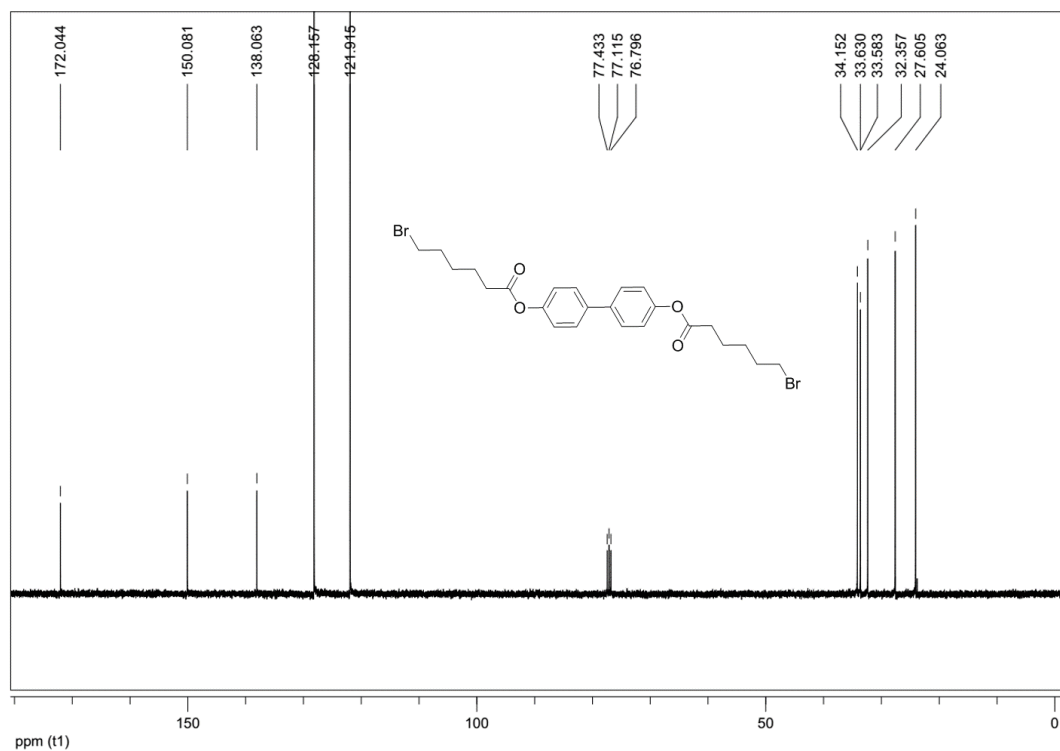
The  $^{13}\text{C}$  NMR spectra of compound **9a**



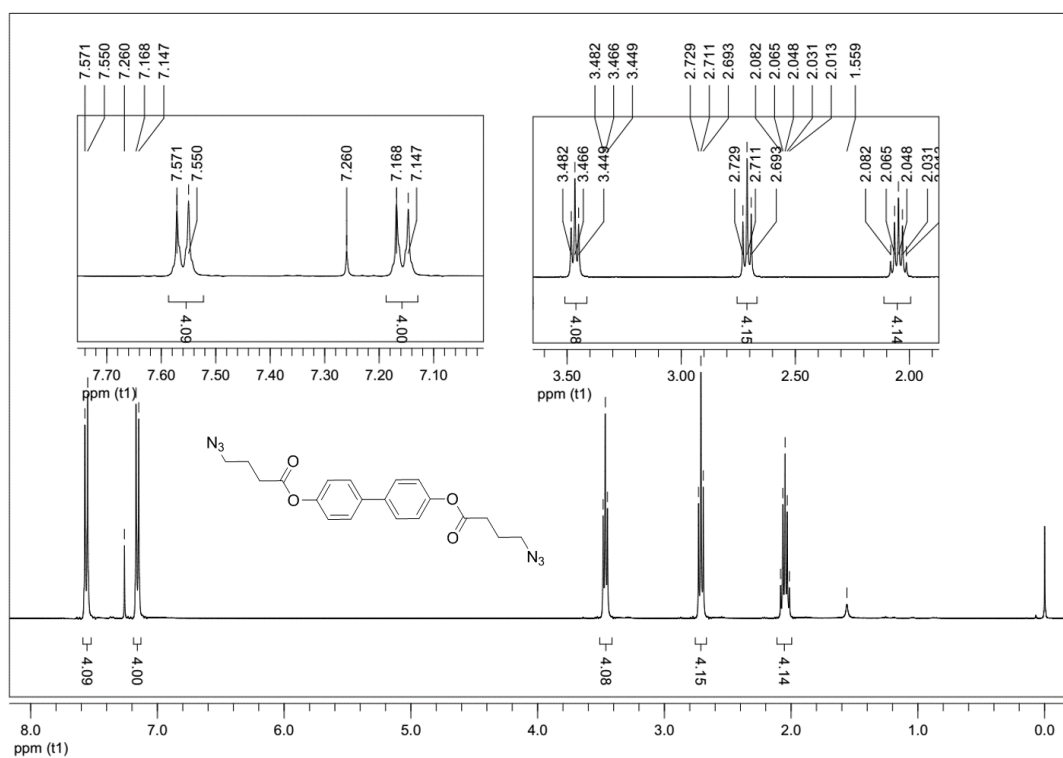
The  $^1\text{H}$  NMR spectra of compound **9b**



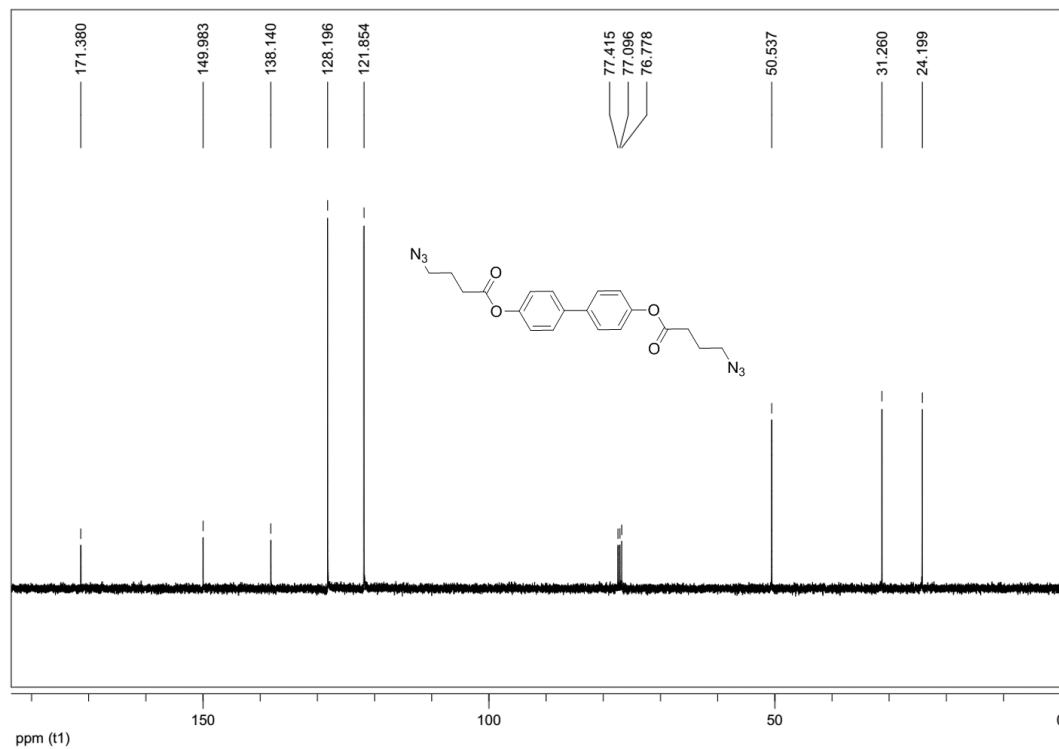
The  $^{13}\text{C}$  NMR spectra of compound **9b**



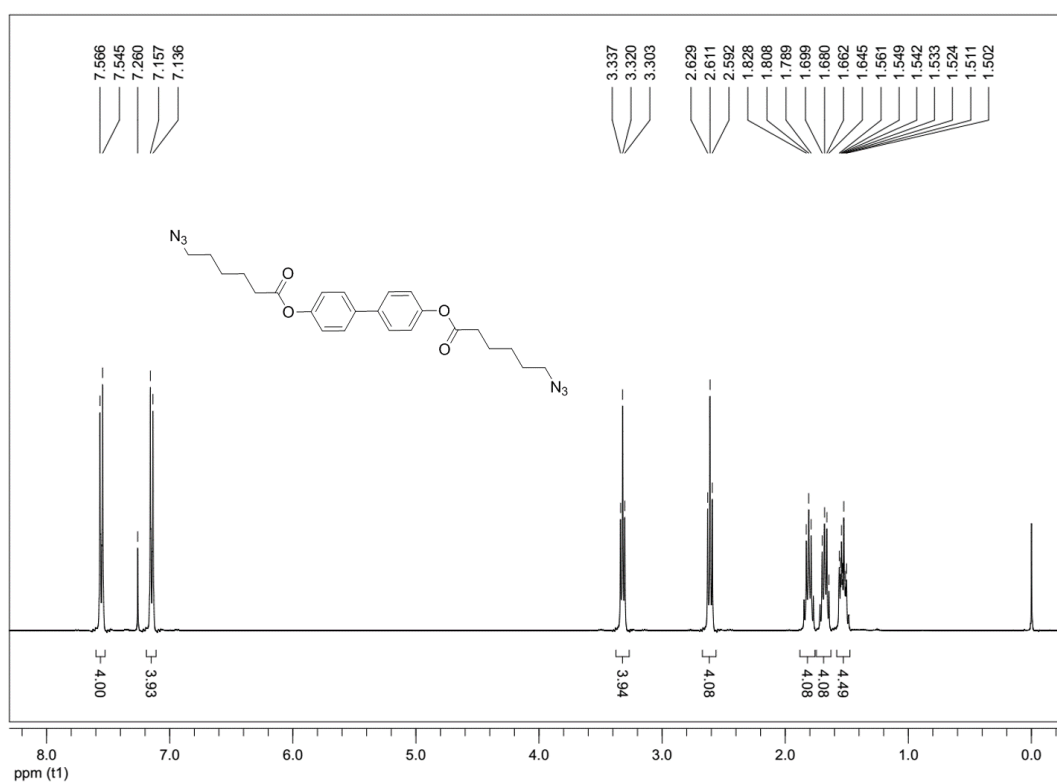
The  $^1\text{H}$  NMR spectra of compound **10a**



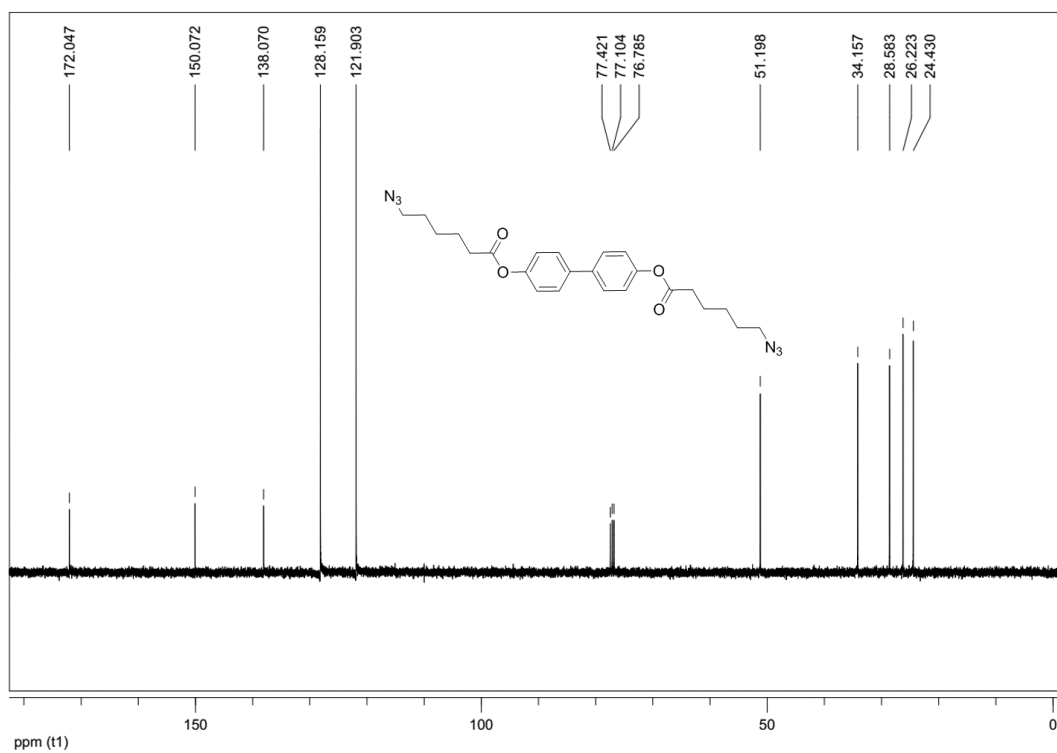
The  $^{13}\text{C}$  NMR spectrum of compound **10a**



The  $^1\text{H}$  NMR spectra of compound **10b**



The  $^{13}\text{C}$  NMR spectra of compound **10b**



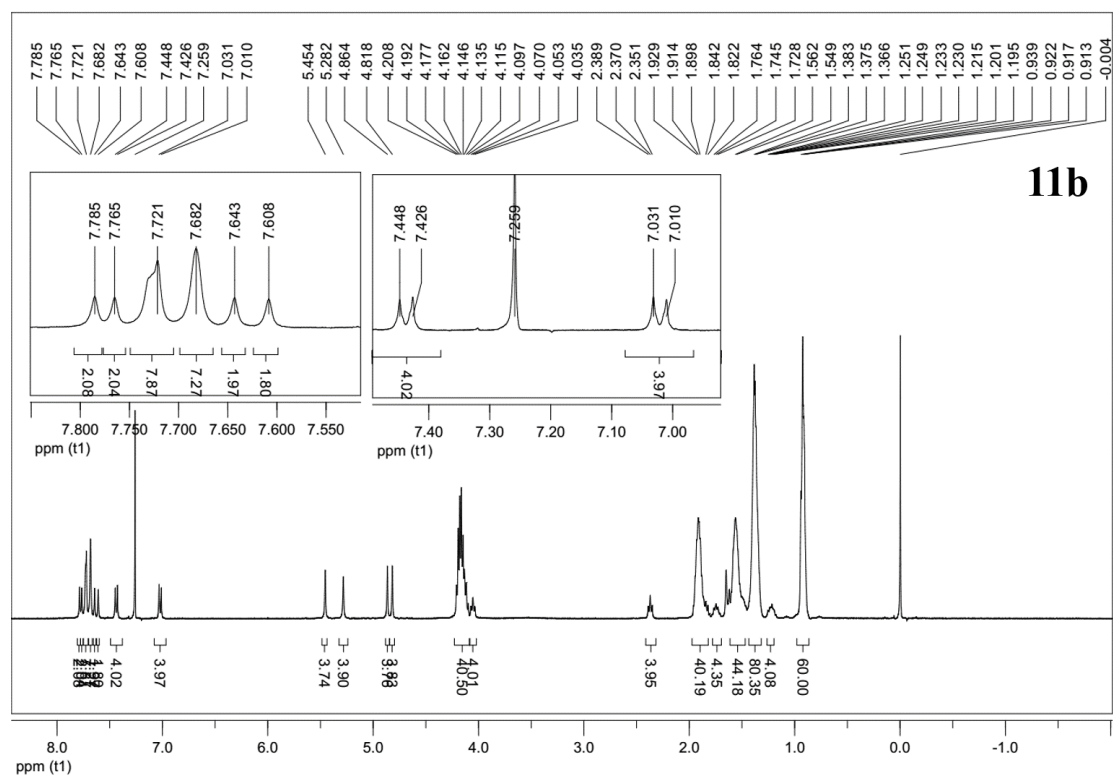
**11a**

<sup>13</sup>C NMR spectrum (CDCl<sub>3</sub>) of compound **11a**. The spectrum displays peaks in the aromatic, carbonyl, and aliphatic regions. The following table lists the chemical shifts (ppm) for the observed peaks:

Chemical Shift (ppm)
149.756
149.227
149.161
149.103
149.046
148.917
148.801
148.746
148.720
148.674
146.735
146.467
142.018
137.877
130.502
127.913
125.097
124.933
123.946
123.844
123.298
123.224
123.132
123.039
122.960
122.891
121.647
110.301
110.067
107.232
107.165
107.114
107.047
106.831
106.578
106.521
106.277
77.351
77.034
76.716
69.690
69.634
69.596
69.452
68.416
68.294
69.200
69.084
67.428
57.294
53.385
53.366
47.429
31.715
31.651
31.596
30.694
29.442



The  $^1\text{H}$  NMR spectra of compound **11b**



The  $^{13}\text{C}$  NMR spectra of compound **11b**

