

Electronic Supplementary Information (ESI)

Fluorene-based mononuclear gold(I) complexes: the effect of alkyl chain, aggregation-induced emission (AIE) and mechanochromism characteristics

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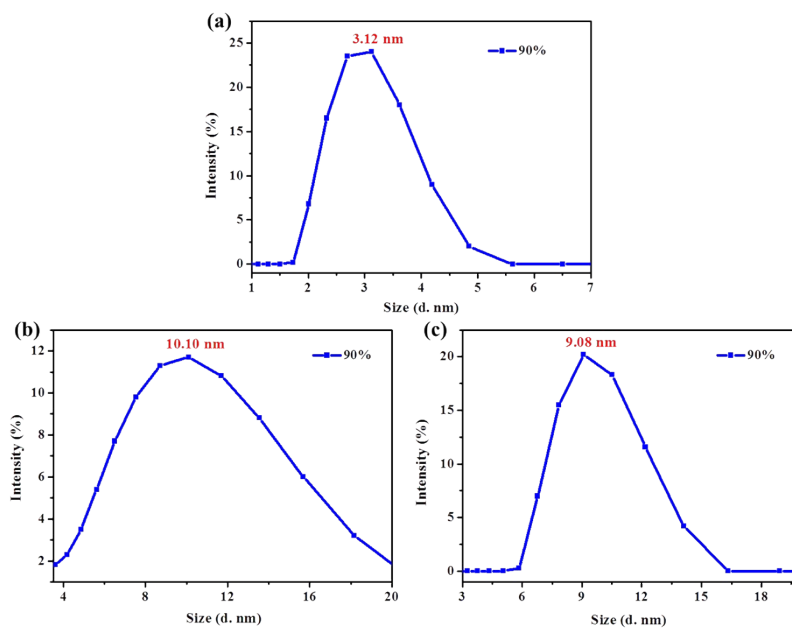
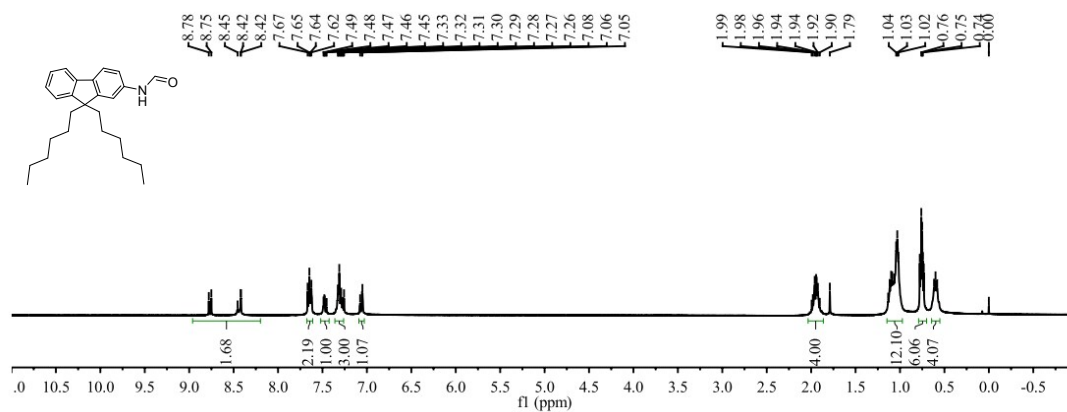
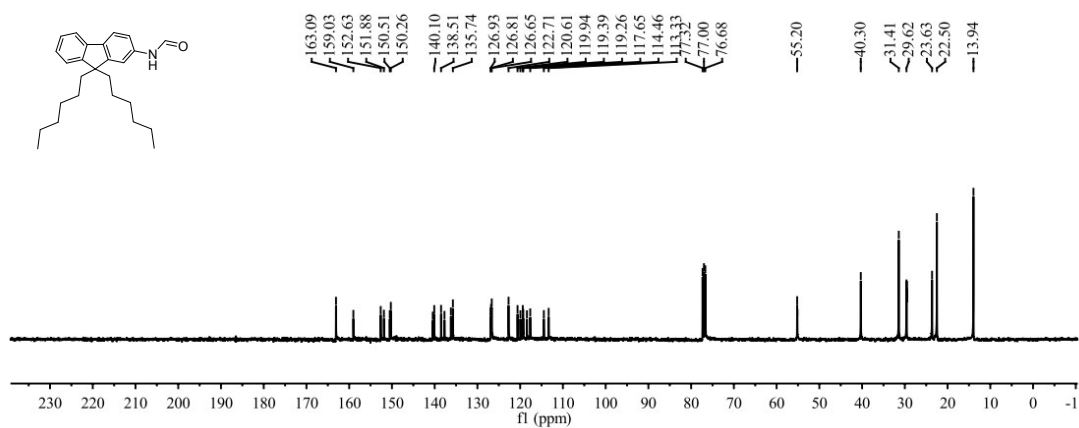


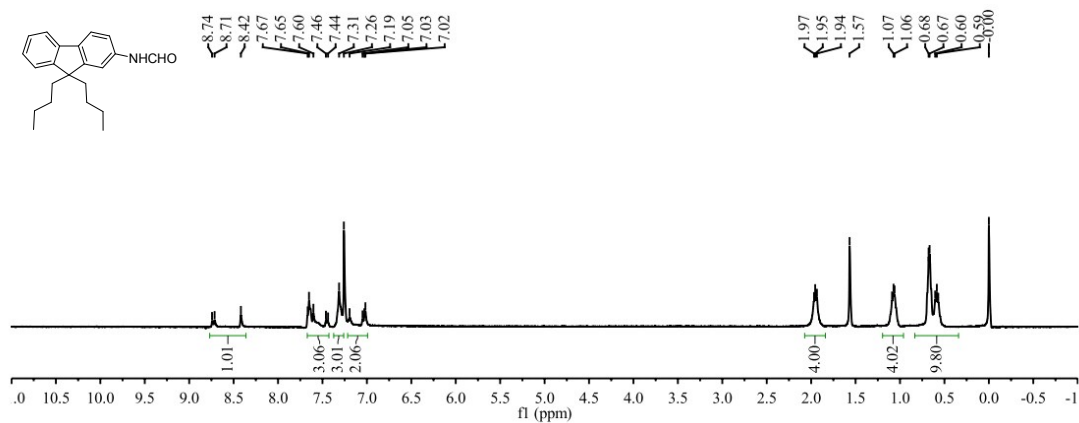
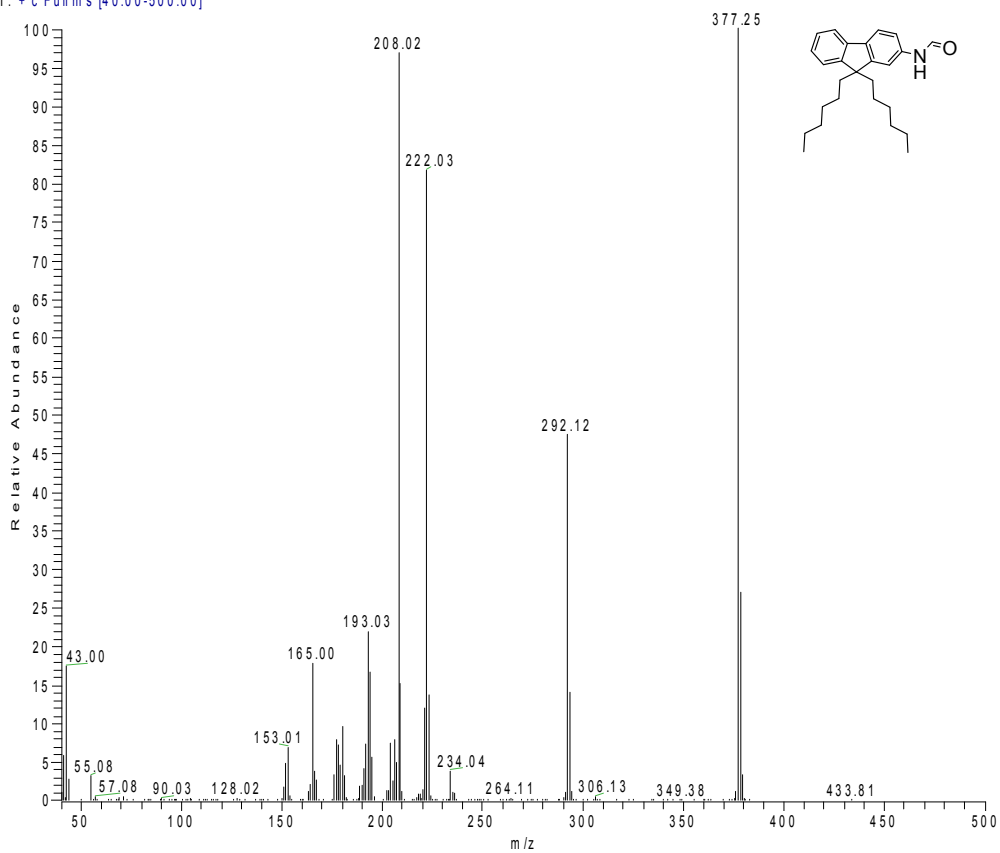
Fig. S1 (a) Size distribution curve of complex **1** ($2.0 \times 10^{-5} \text{ mol L}^{-1}$) in DMF-water mixtures with 90% volume fraction of water. (b) Size distribution curve of complex **2** ($2.0 \times 10^{-5} \text{ mol L}^{-1}$) in DMF-water mixtures with 90% volume fraction of water. (c) Size distribution curve of complex **3** ($2.0 \times 10^{-5} \text{ mol L}^{-1}$) in DMF-water mixtures with 90% volume fraction of water.

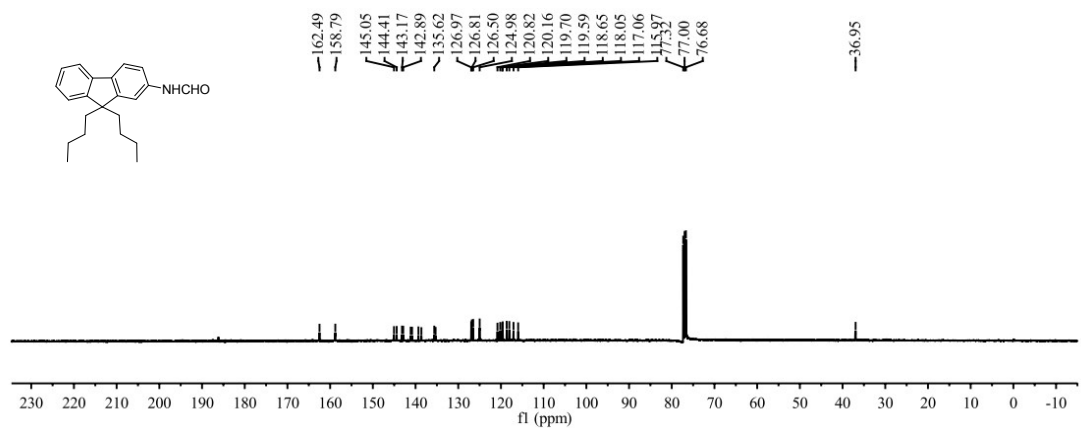
Copies of NMR spectra and Mass spectra



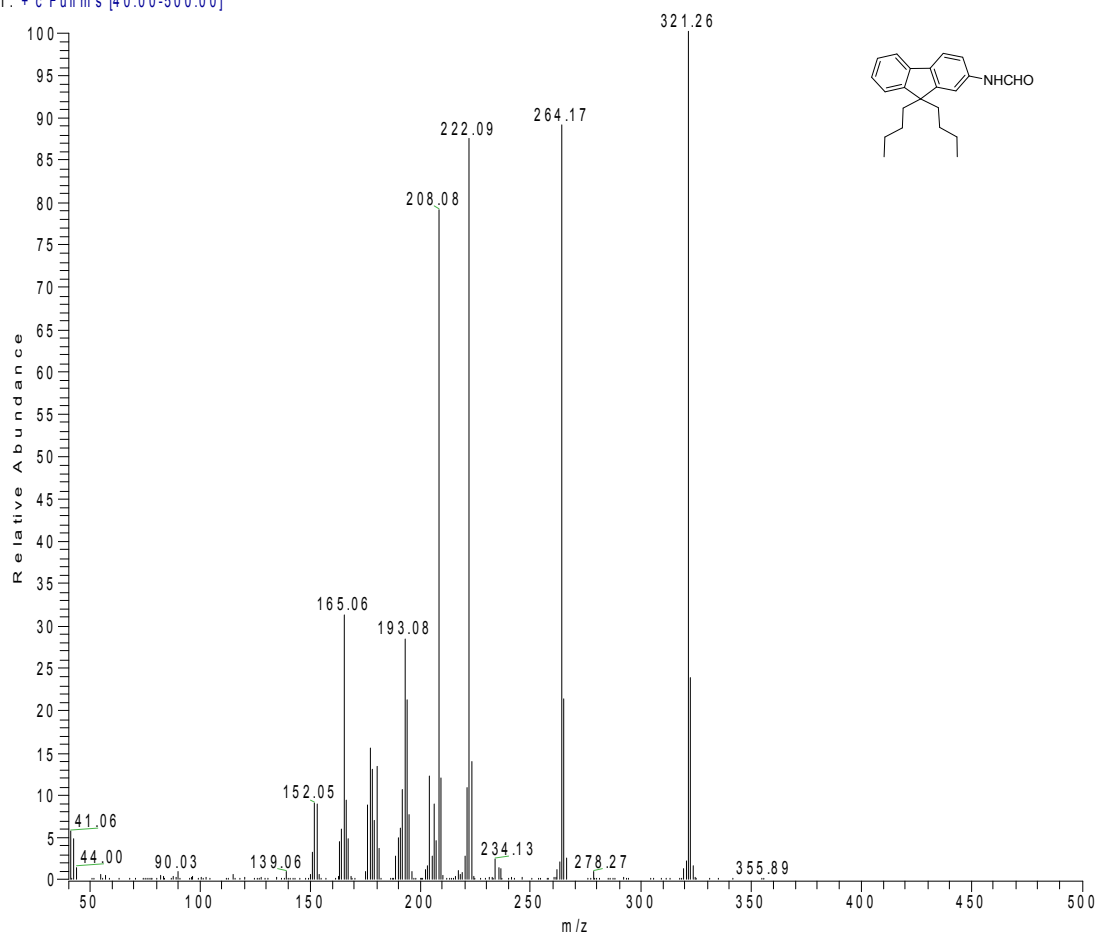


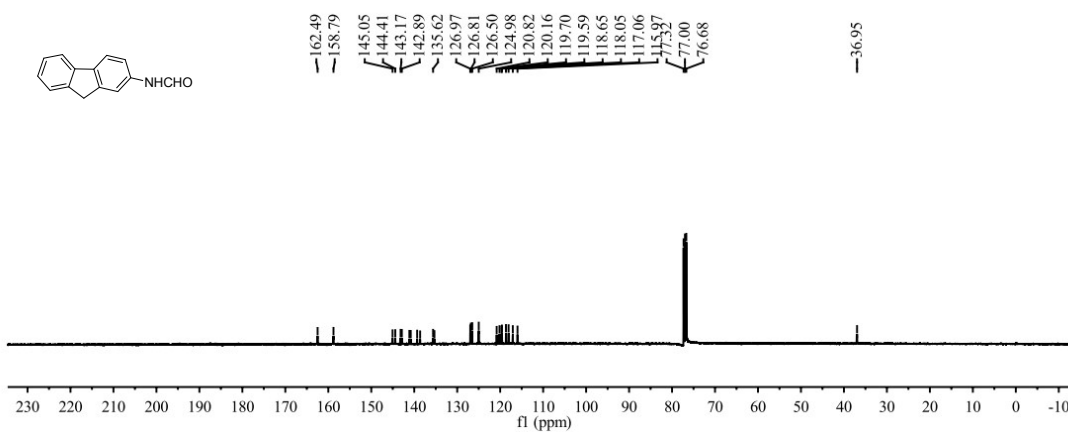
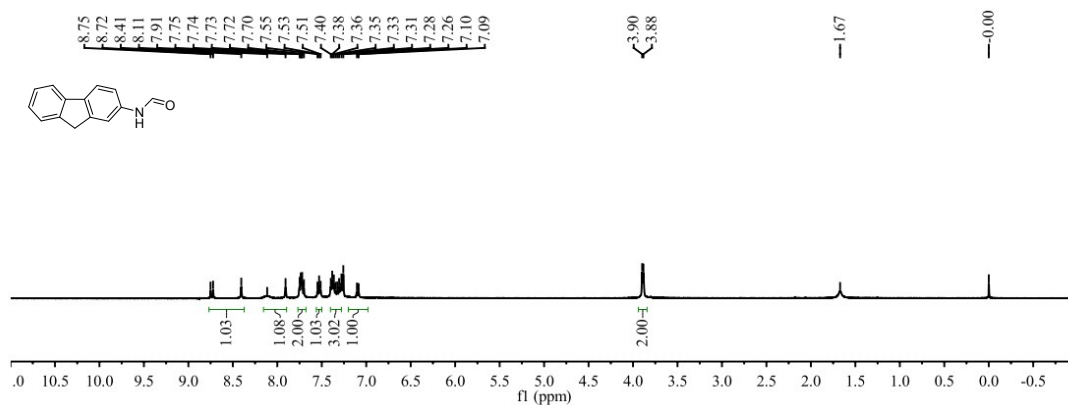
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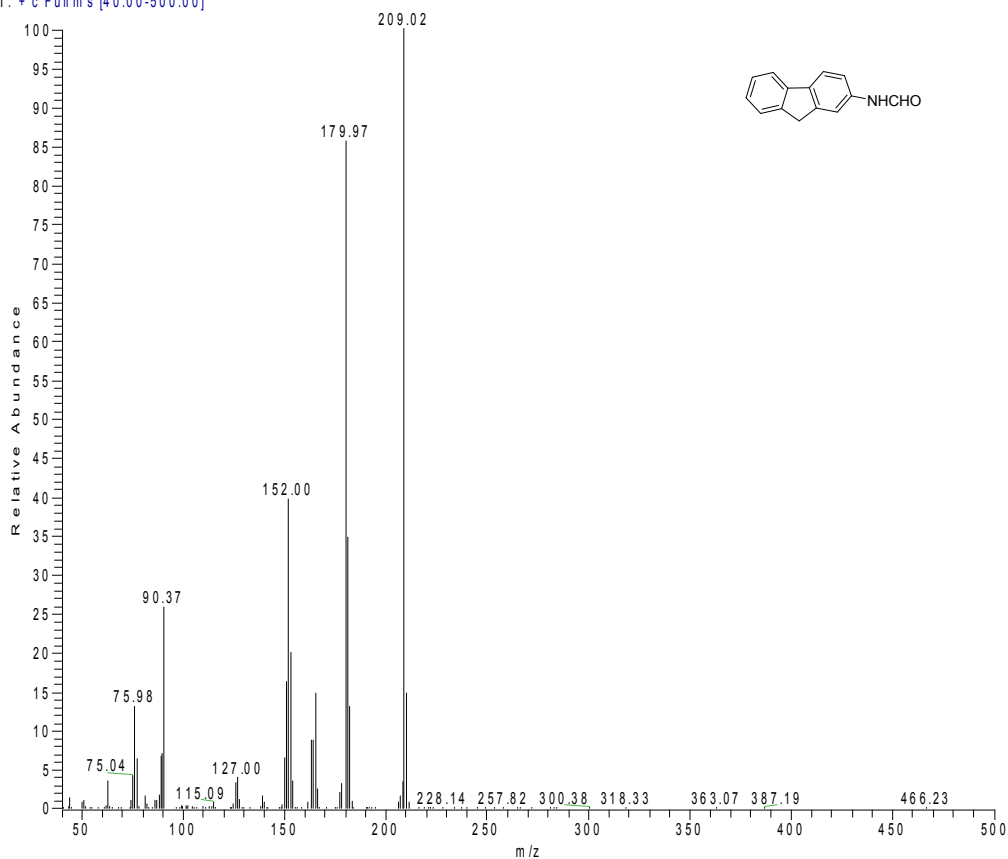


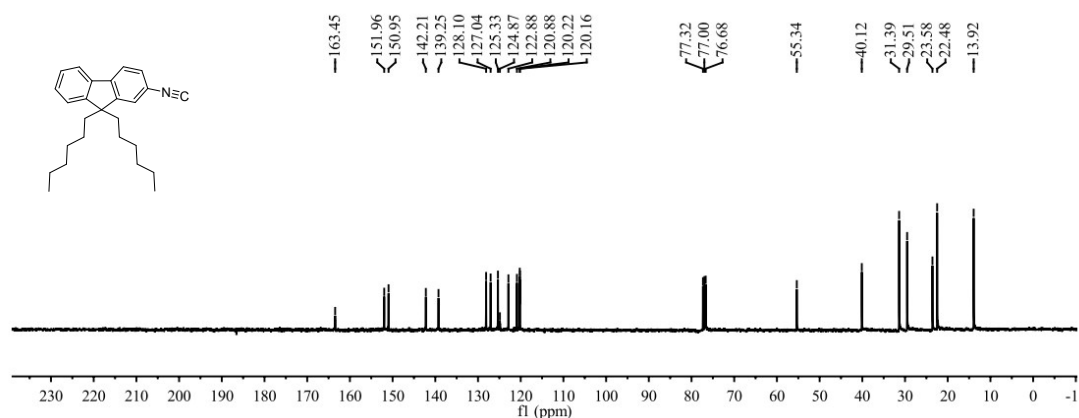
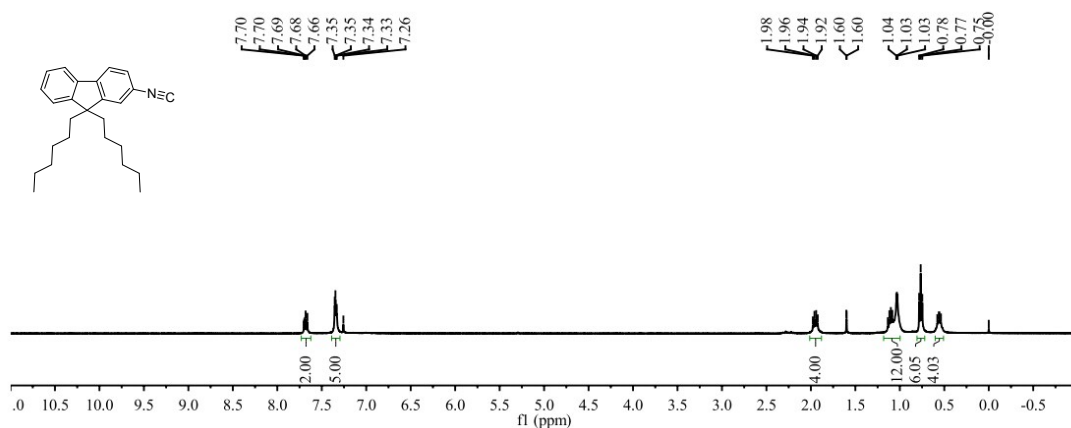
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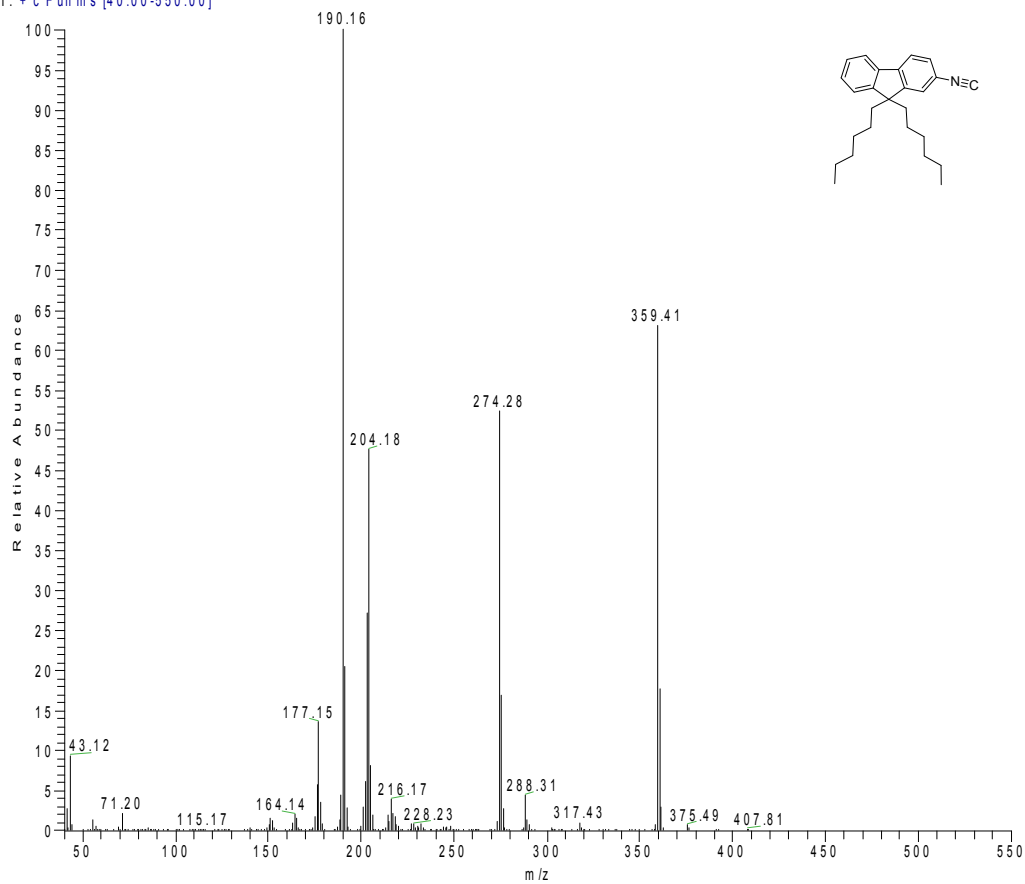


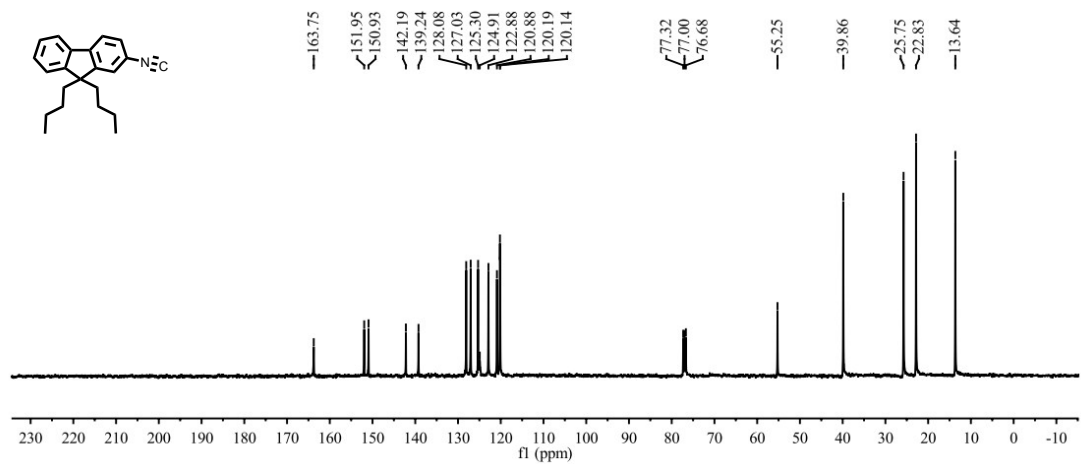
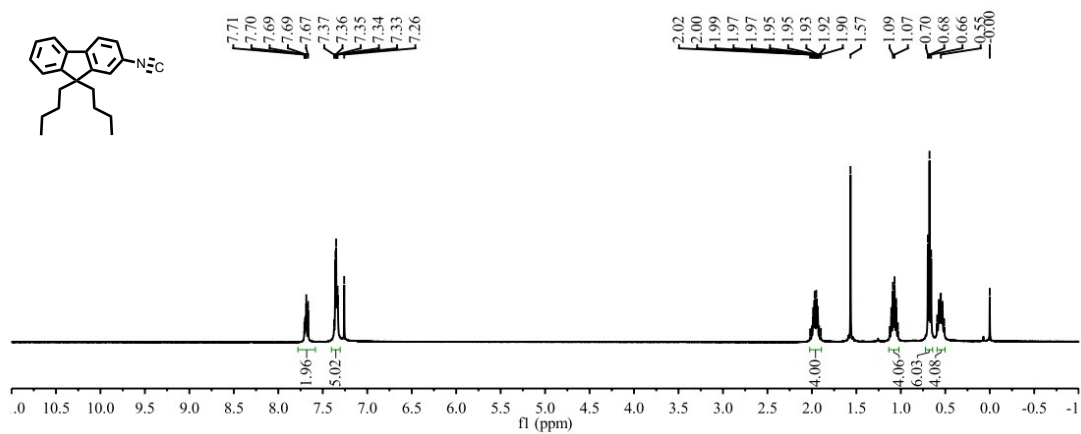
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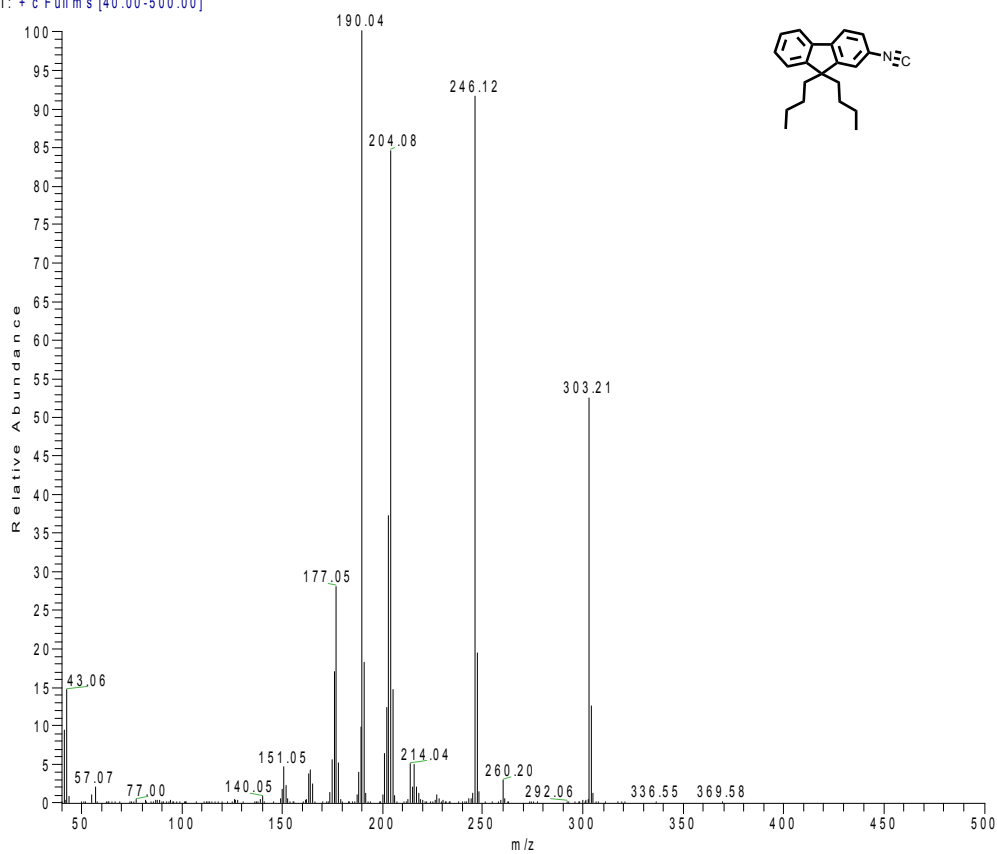


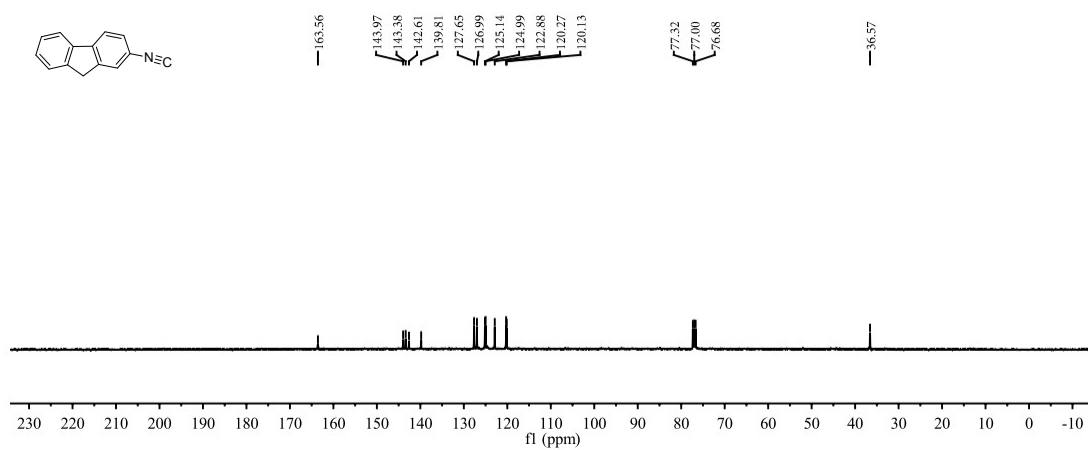
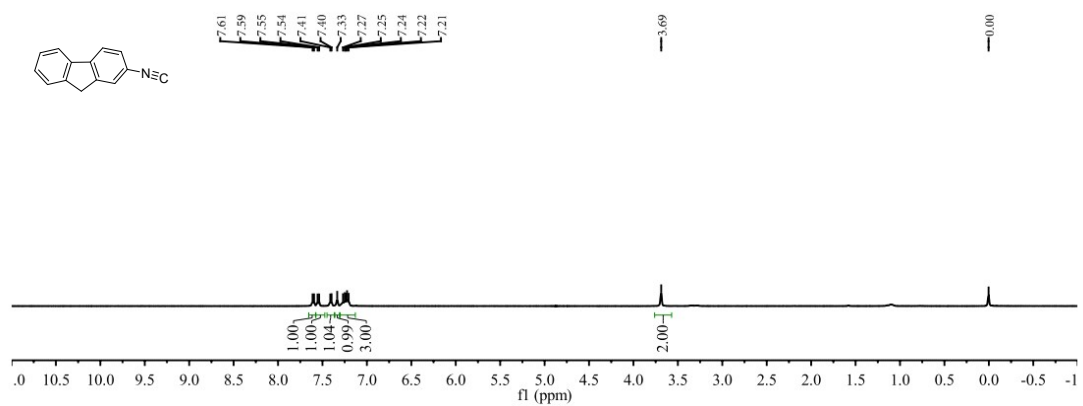
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CZ402 #90 RT: 1.44 AV: 1 SB: 91 0.28-0.98, 1.56-2.26 NL: 4.07E5
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CZ203 #233 RT: 0.68 AV: 1 SB: 339 0.06-0.79, 1.30-1.50 NL: 1.41E6
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