

ESI for

**Sugar-bearing Tetraphenylethylene: Novel Fluorescent Probe
for Studies of Carbohydrate–Protein Interaction Based on
Aggregation-induced Emission**

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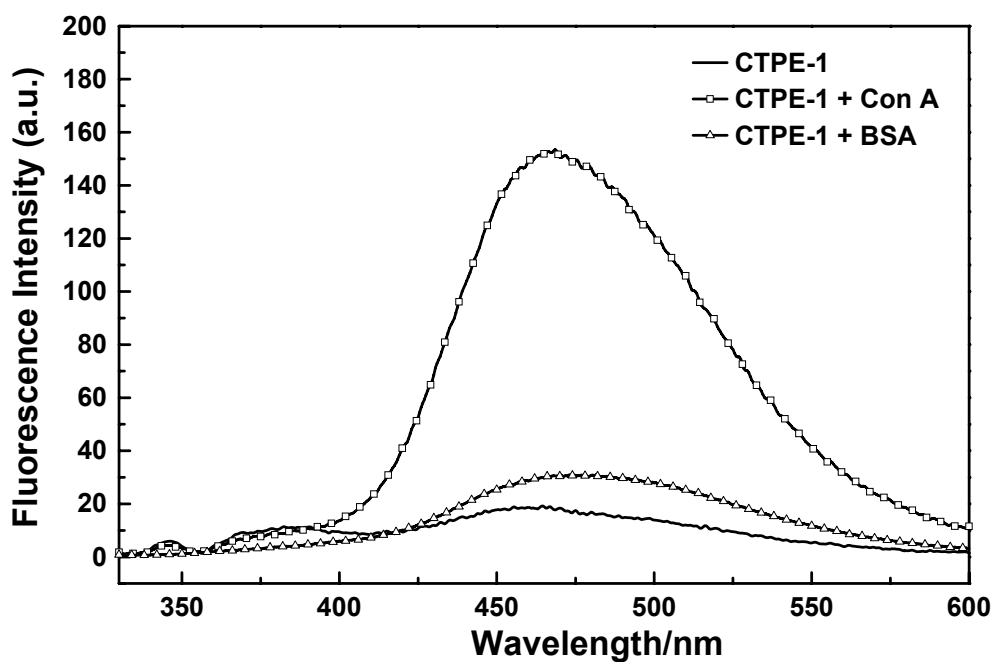


Figure S1. Fluorescence spectra of **CTPE-1** ($12.5\ \mu\text{M}$) in the presence of different proteins [Con A ($20\ \mu\text{M}$), BSA ($20\ \mu\text{M}$)].



Figure S2. The photos of the corresponding buffer solutions of **CTPE-3** ($20\ \mu\text{M}$) (left), **CTPE-3** ($20\ \mu\text{M}$) digested by β -glucosidase ($1.5\ \text{U}$) (middle), and β -glucosidase ($1.5\ \text{U}$) (right).

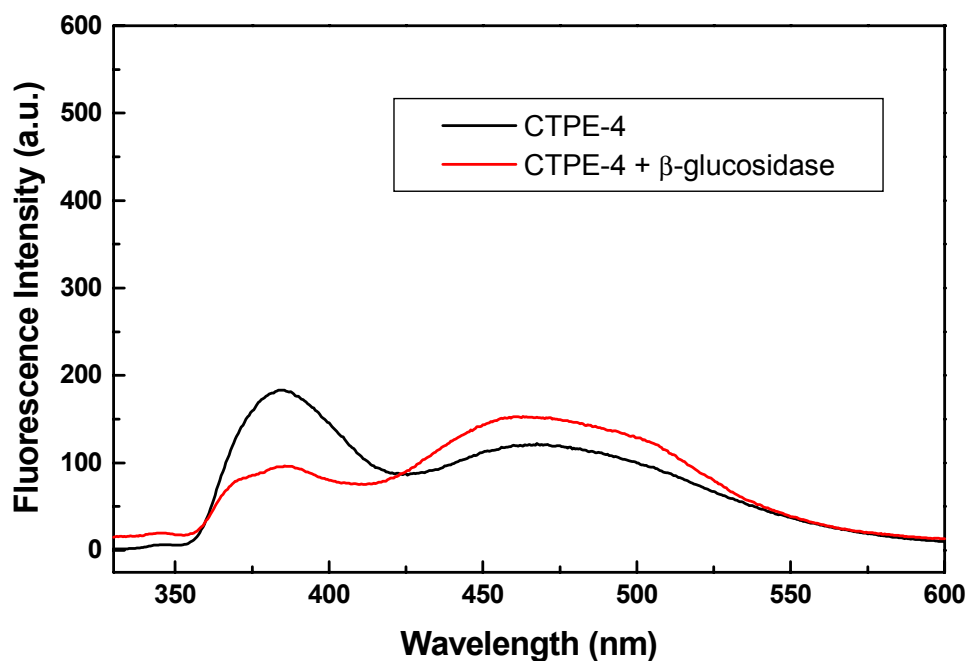
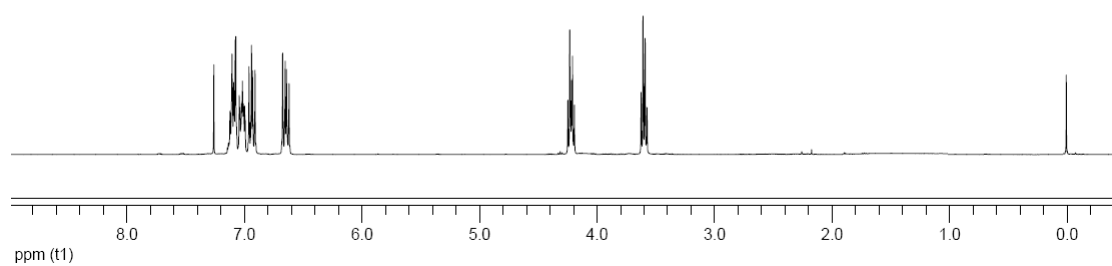
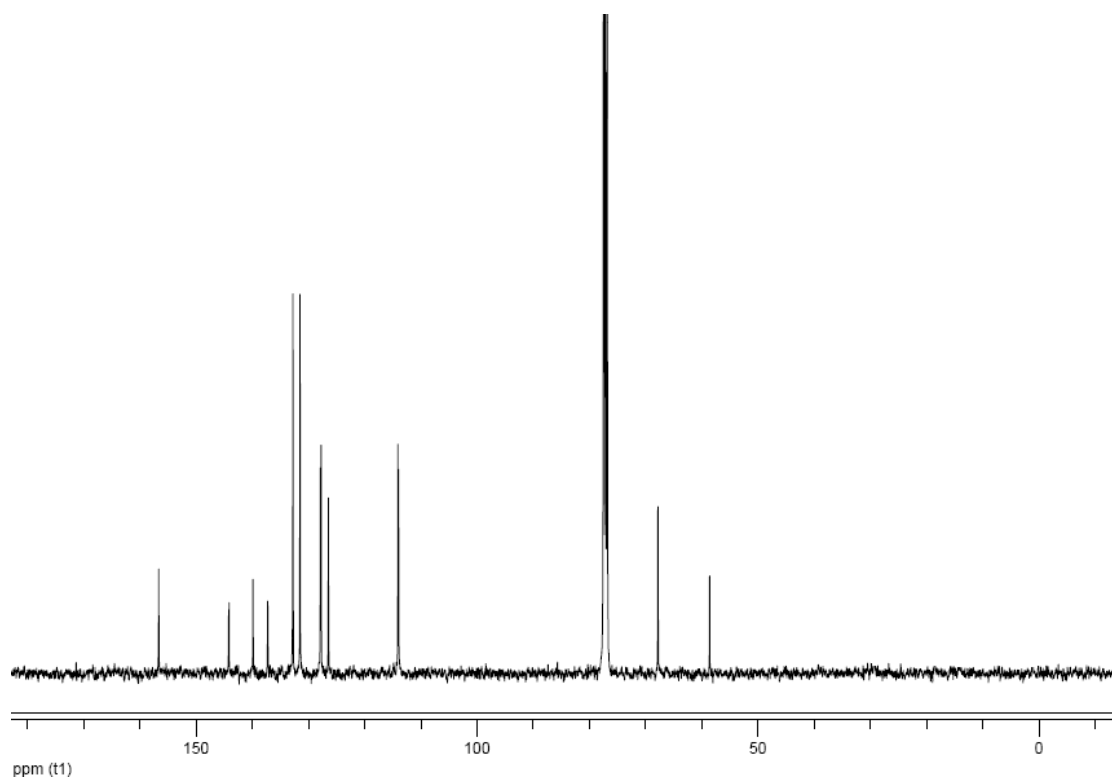


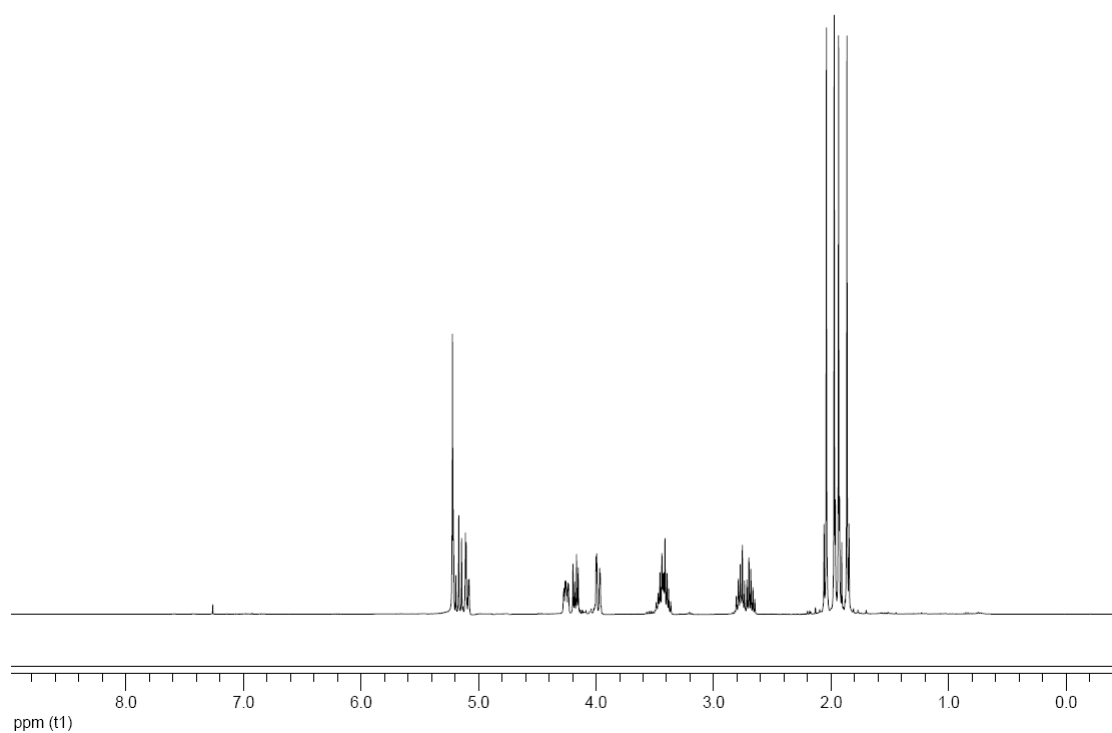
Figure S3. Fluorescence spectra of CTPE-4 (20 μ M) in the absence (A) and presence (B) of β -glucosidase (1.5 U)



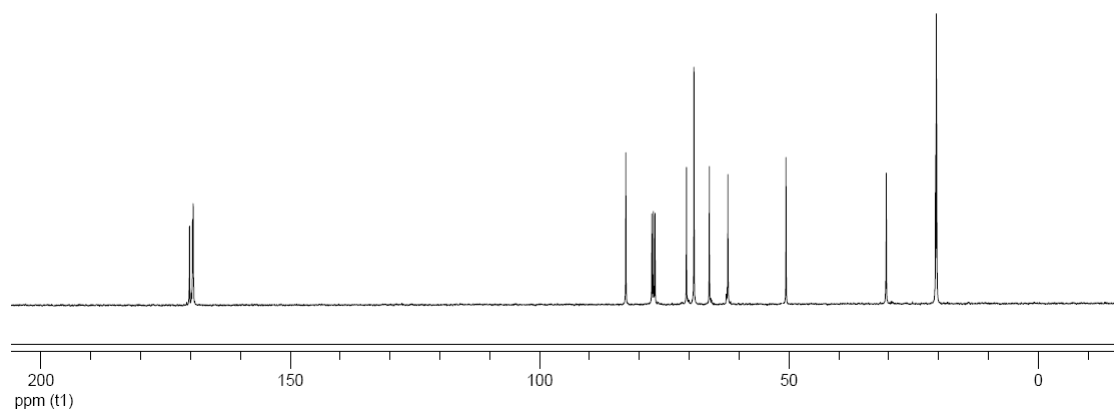
^1H NMR spectrum of **2**



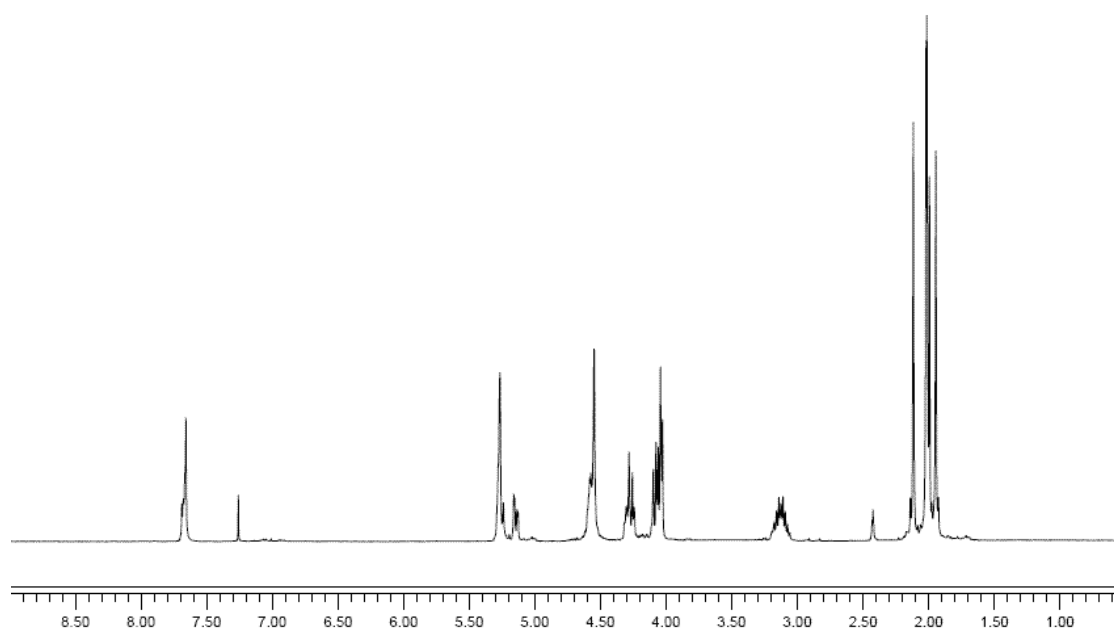
^{13}C NMR spectrum of **2**



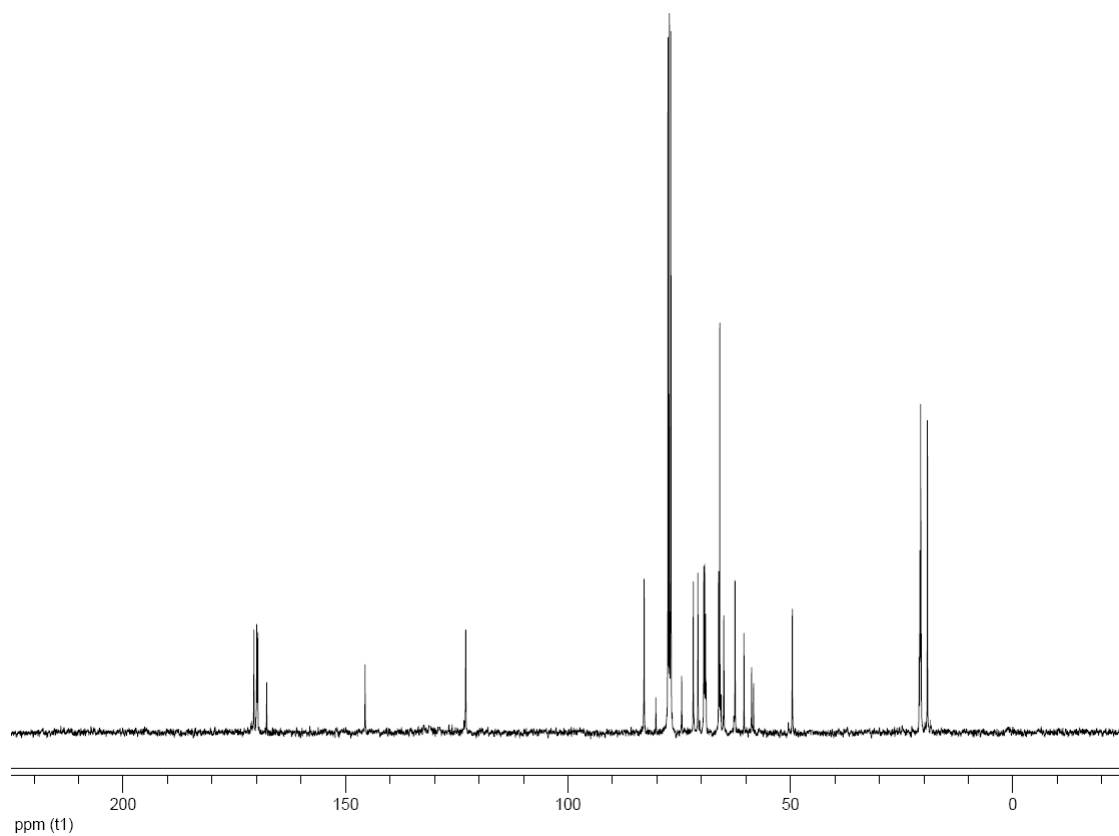
^1H NMR spectrum of **4**



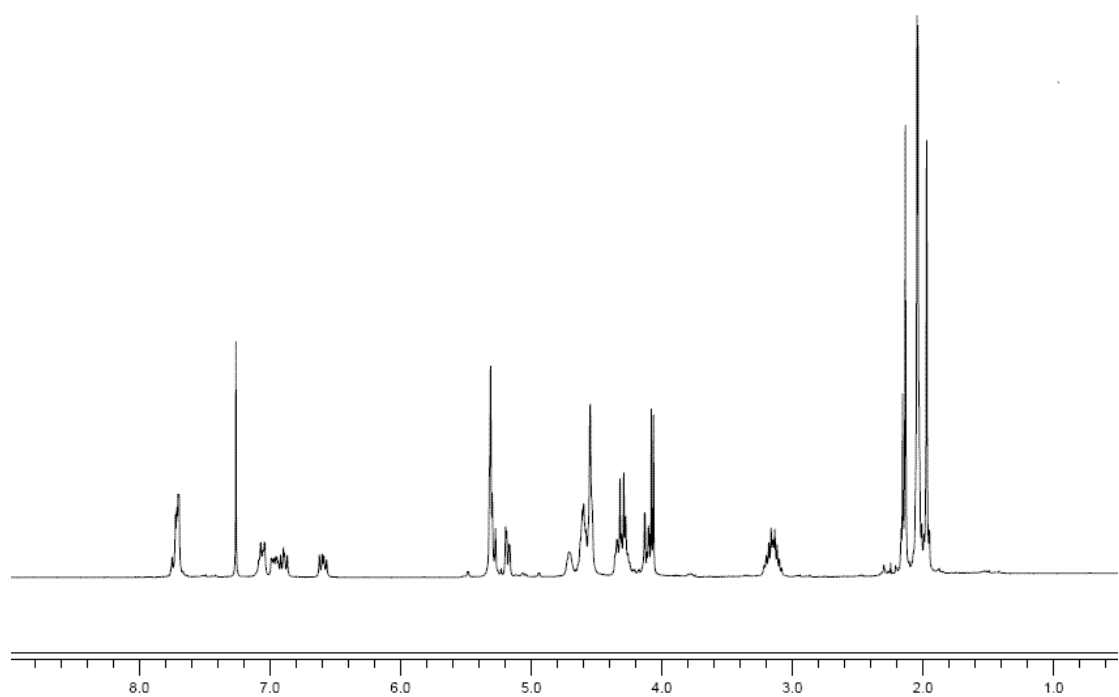
^{13}C NMR spectrum of **4**



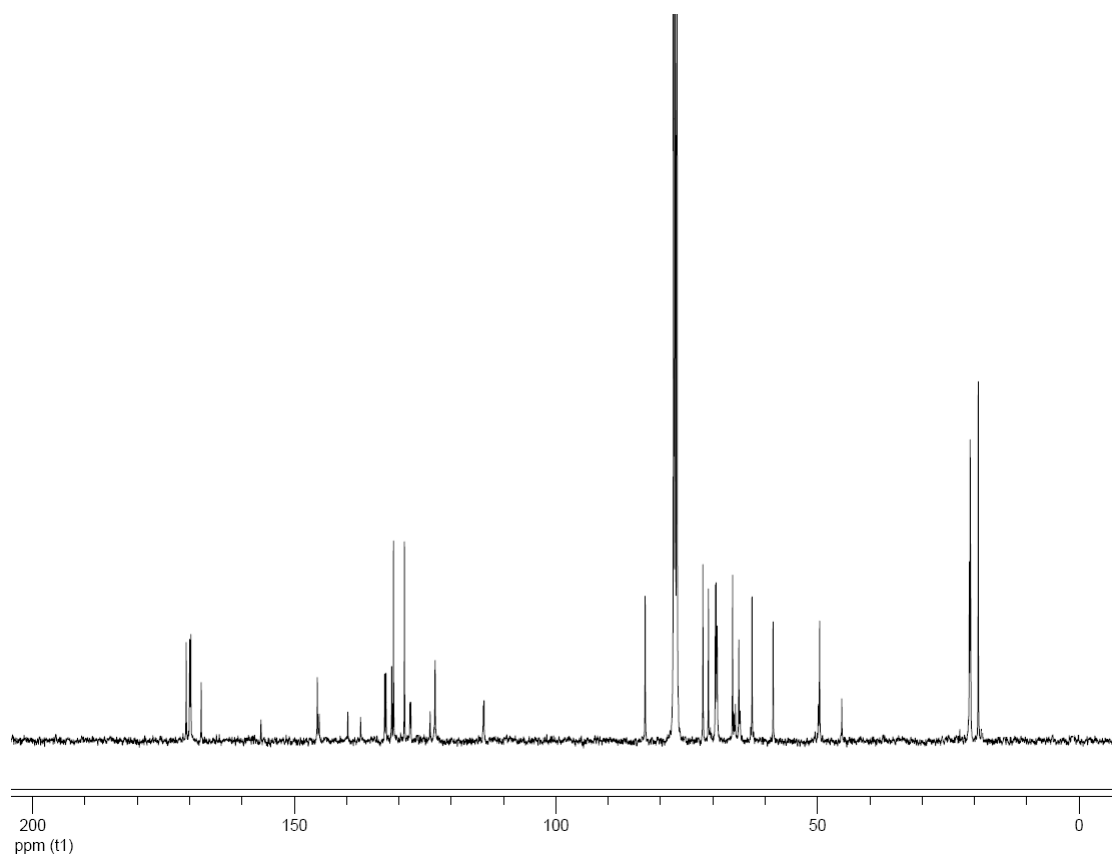
^1H NMR spectrum of **6**



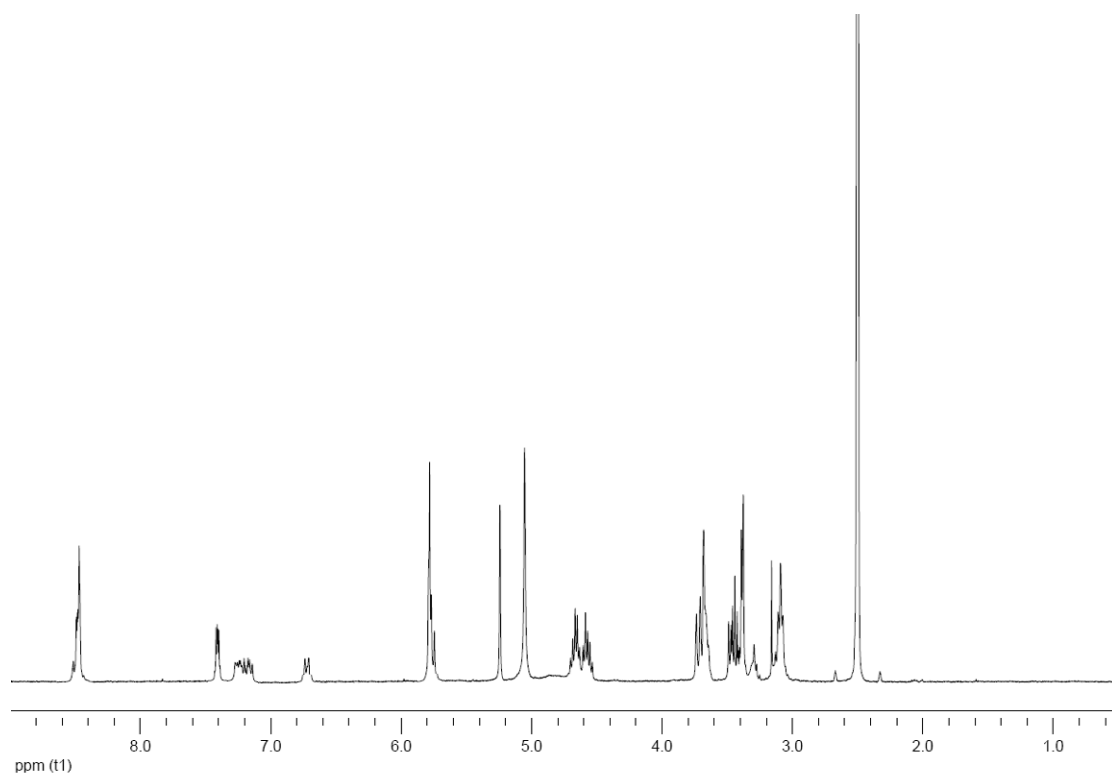
^{13}C NMR spectrum of **6**



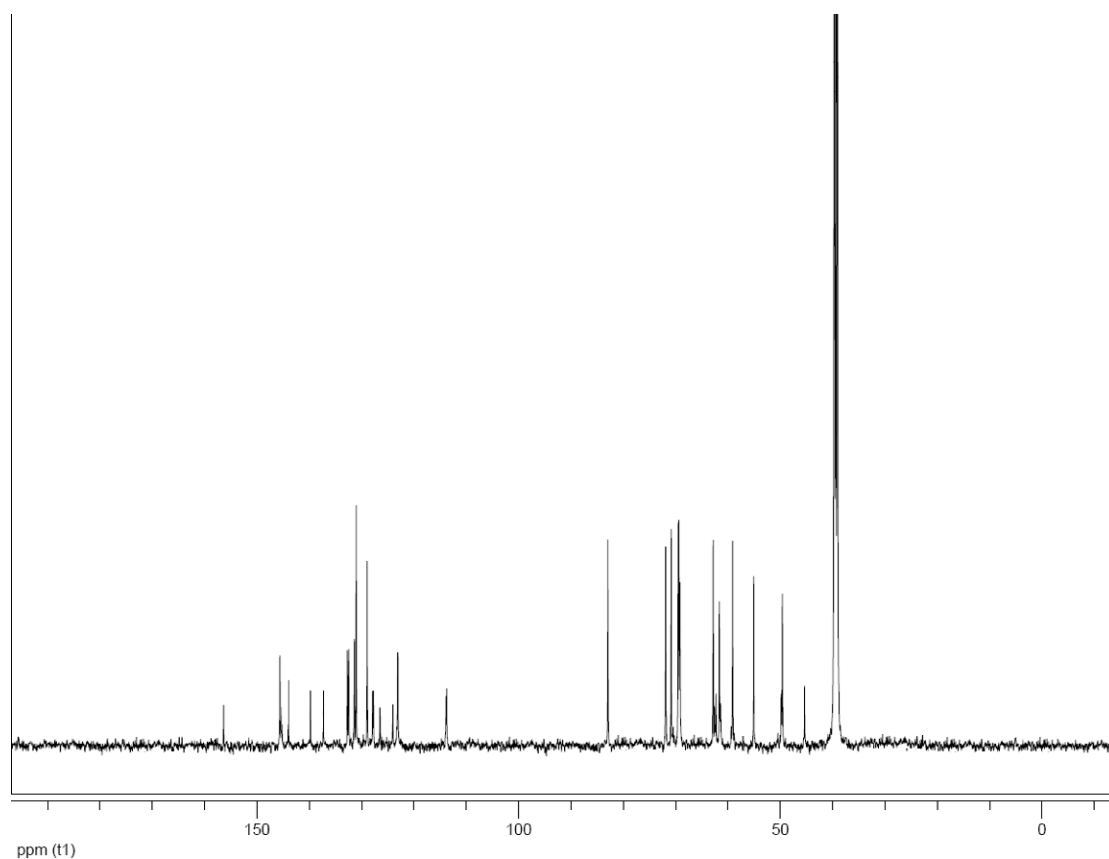
^1H NMR spectrum of **7**



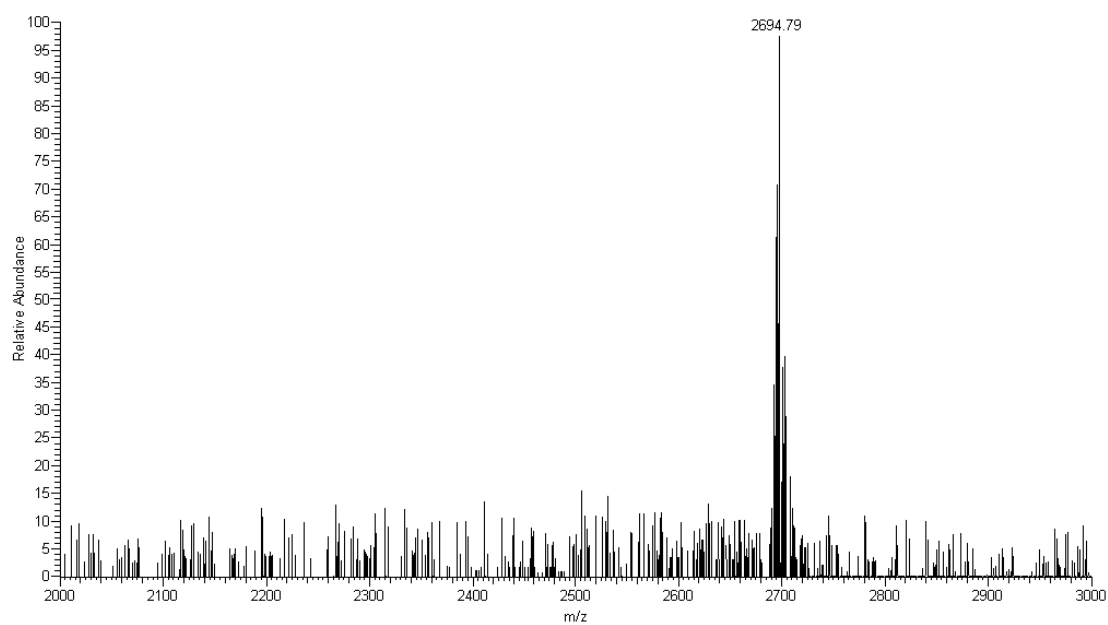
^{13}C NMR spectrum of **7**



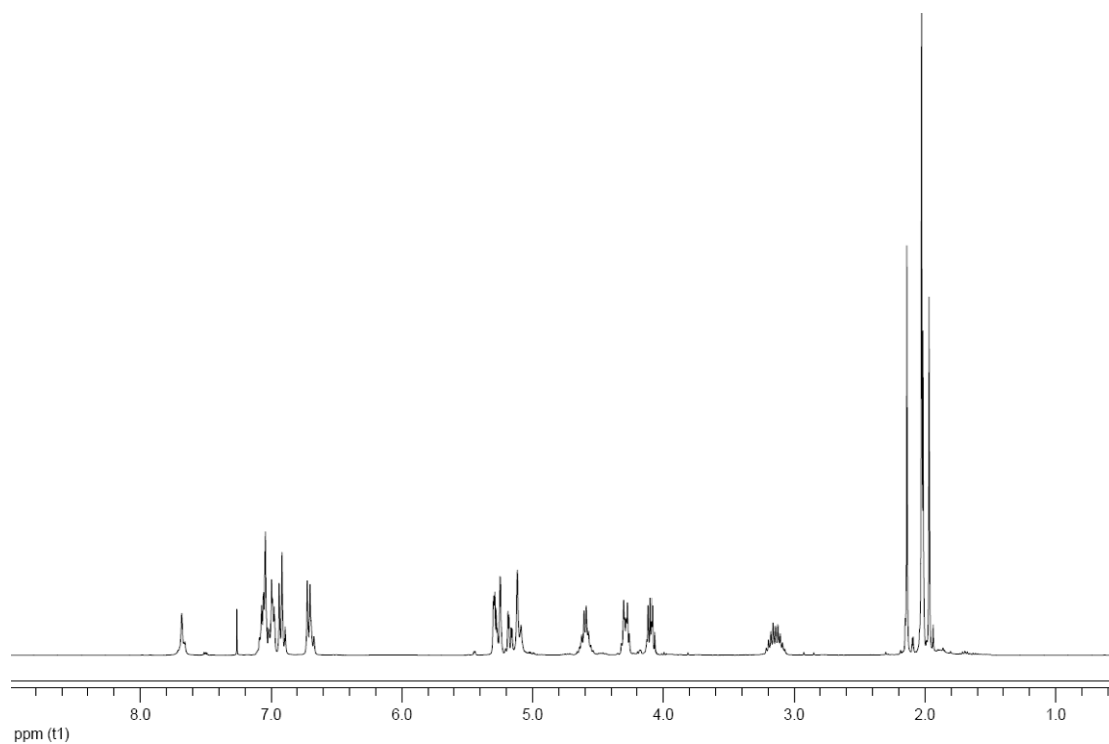
^1H NMR spectrum of **CTPE-1**



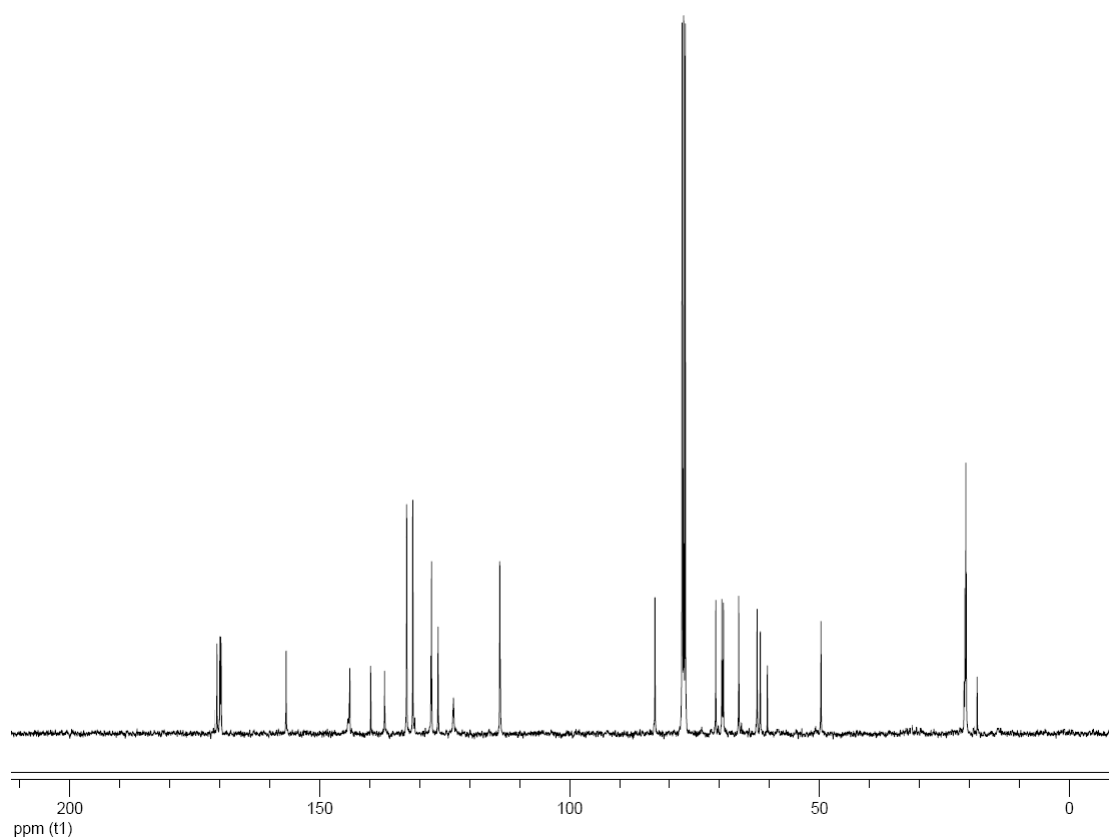
^{13}C NMR spectrum of CTPE-1



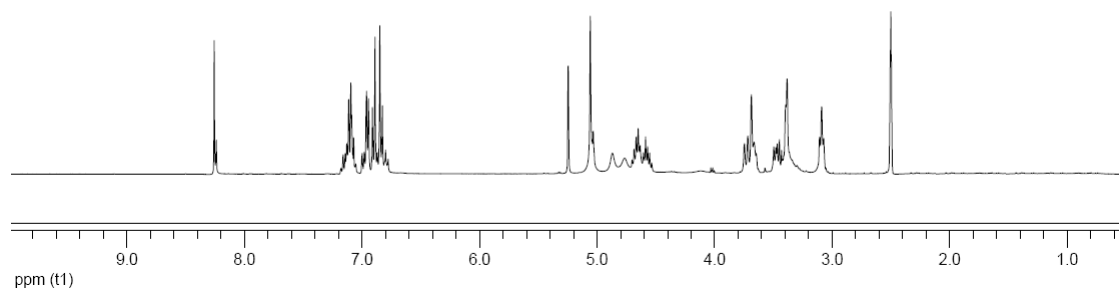
MS spectrum of CTPE-1



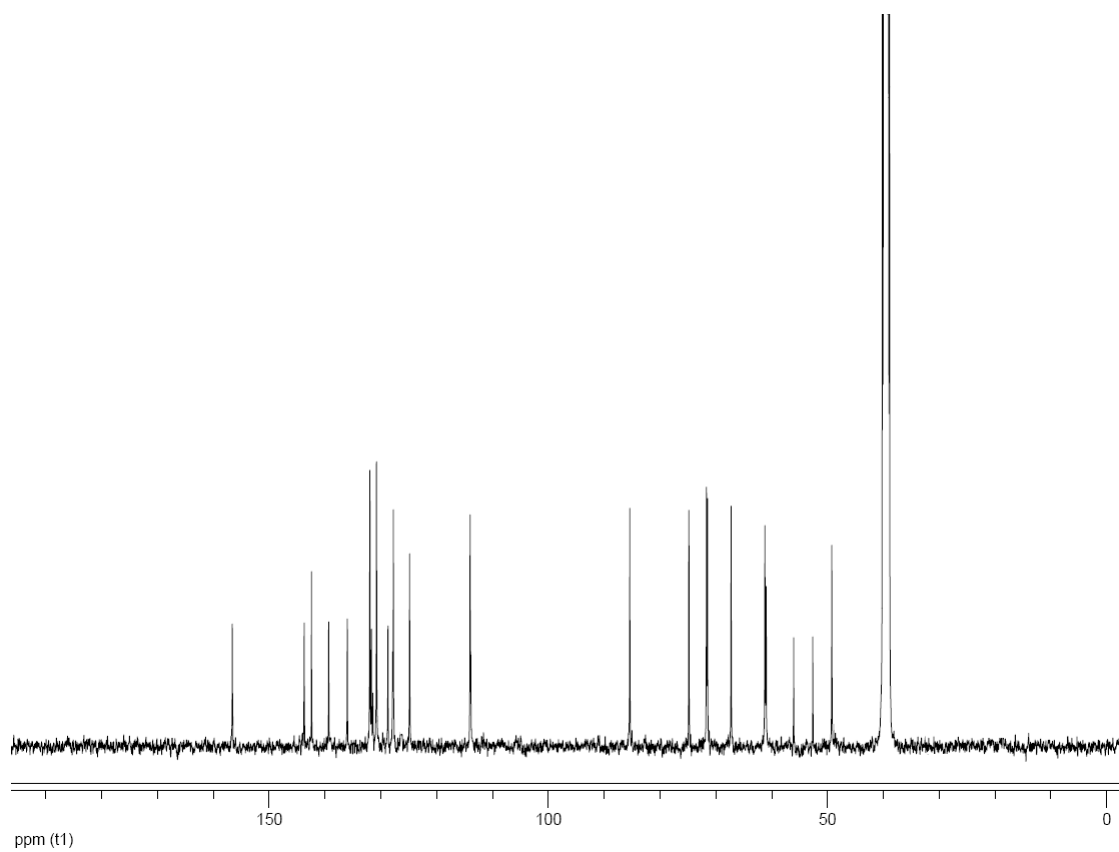
^1H NMR spectrum of **9**



^{13}C NMR spectrum of **9**

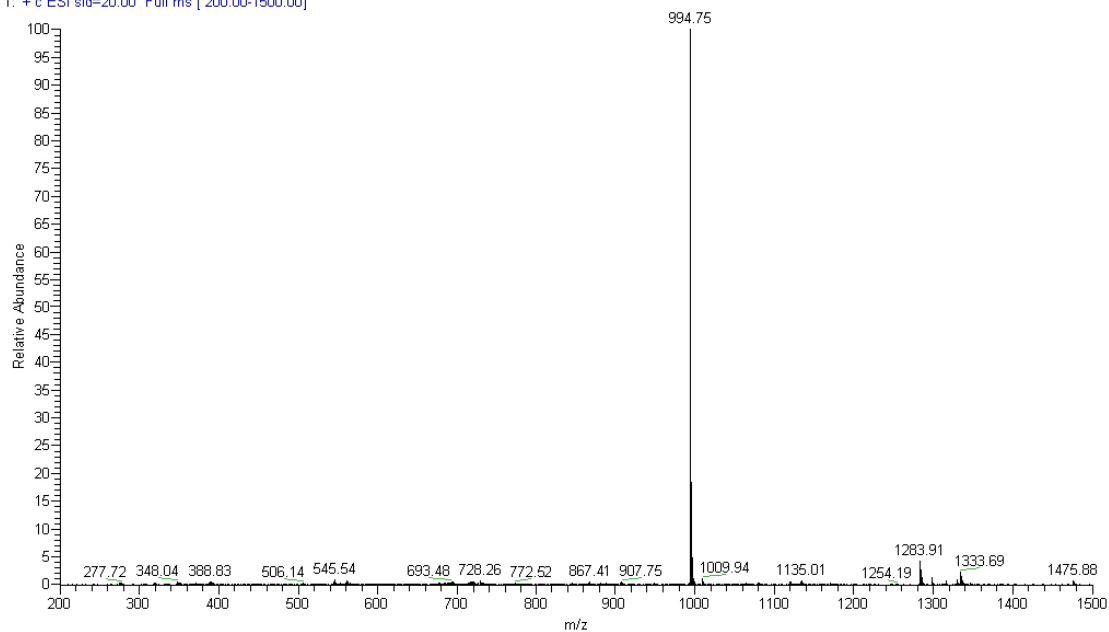


^1H NMR spectrum of **CTPE-2**

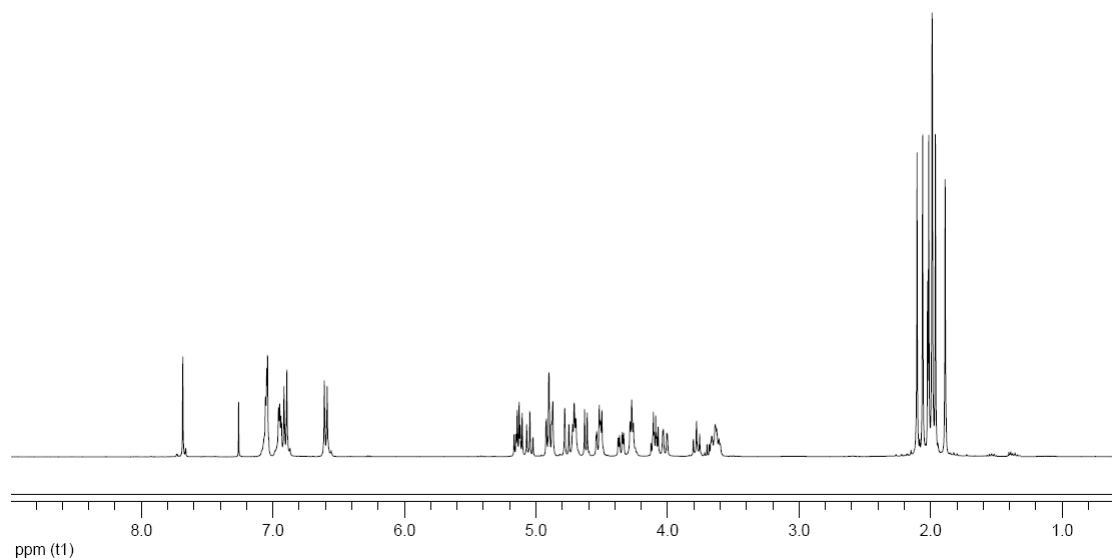


^{13}C NMR spectrum of **CTPE-2**

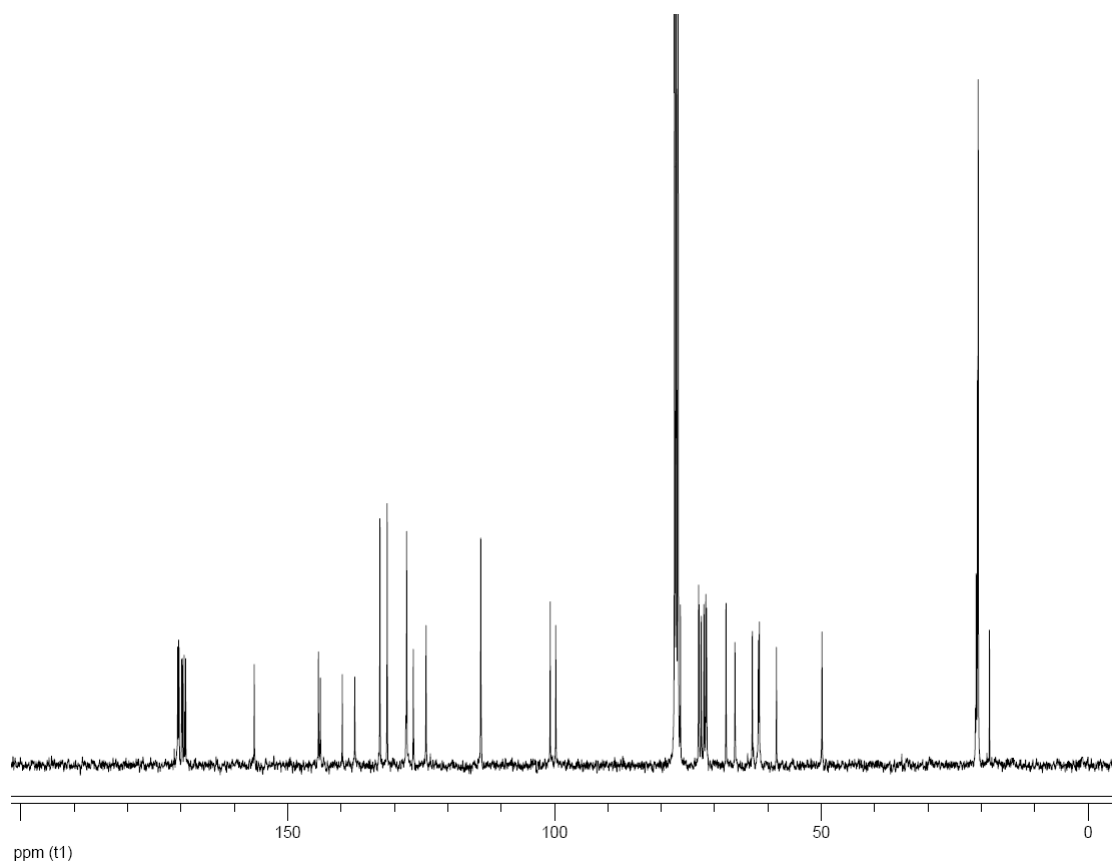
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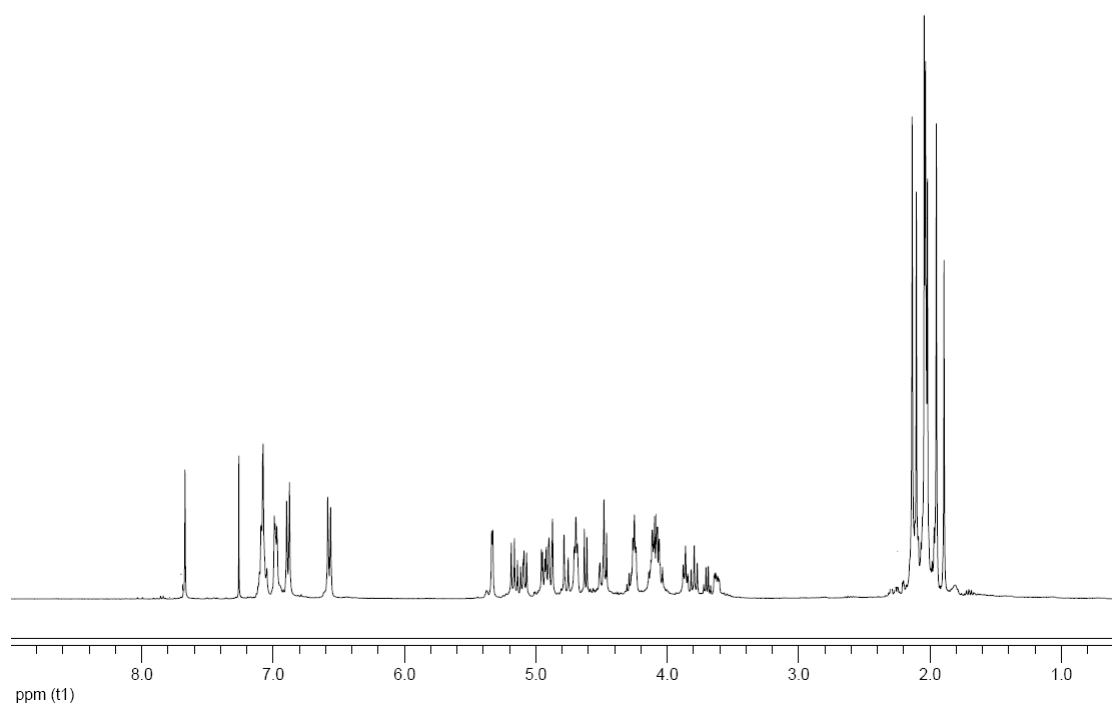
MS spectrum of CTPe-2



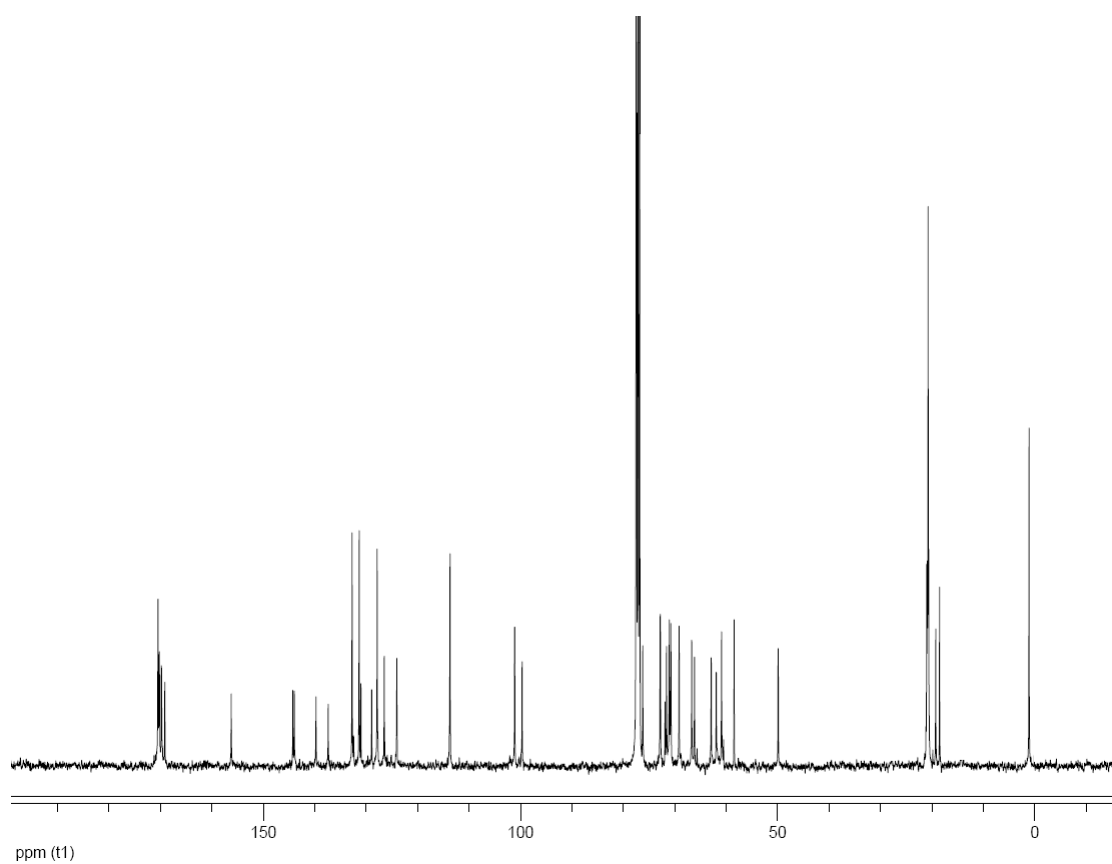
¹H NMR spectrum of 12



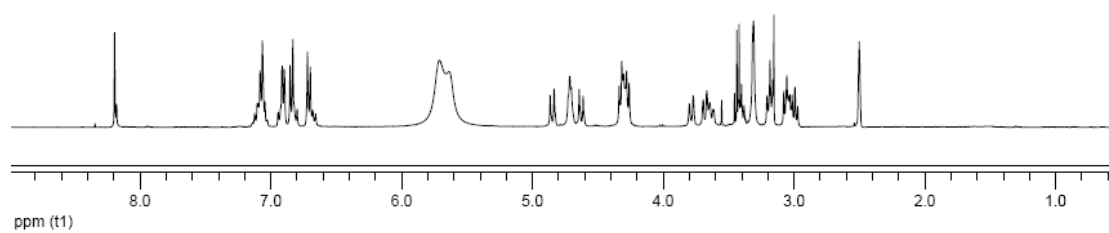
^{13}C NMR spectrum of **12**



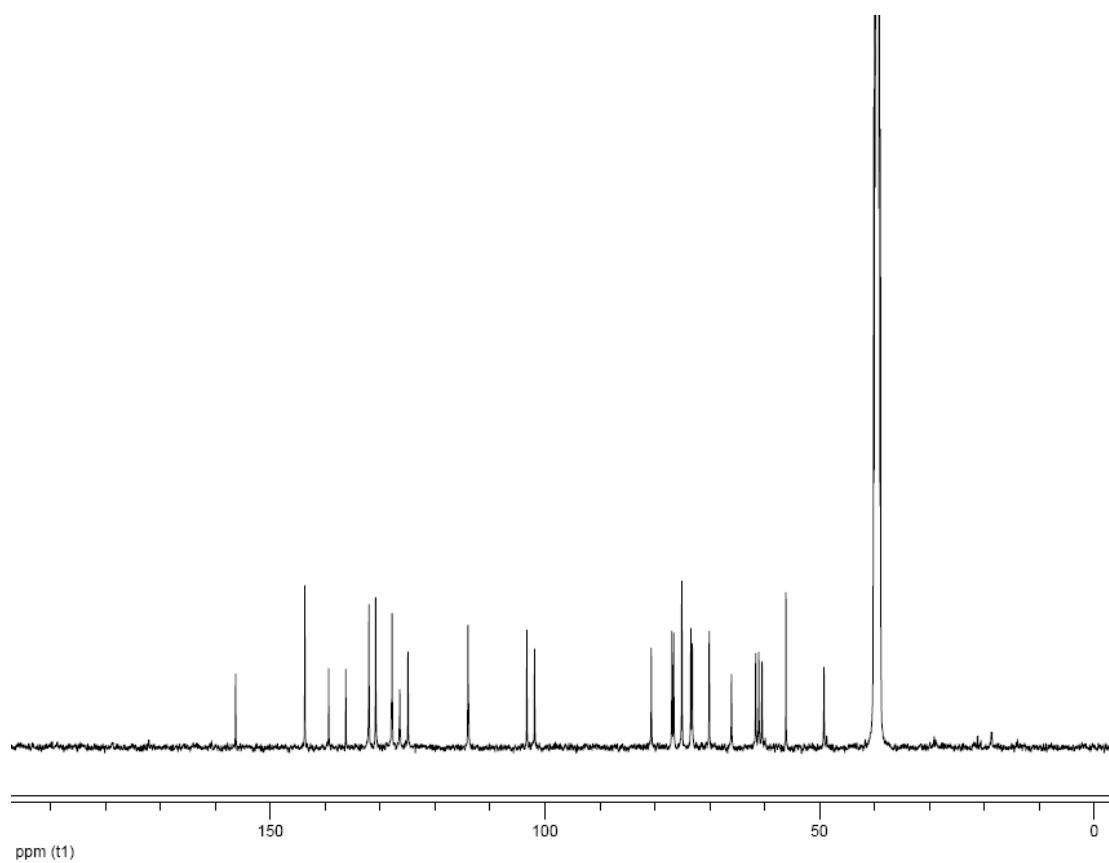
^1H NMR spectrum of **13**



^{13}C NMR spectrum of **13**

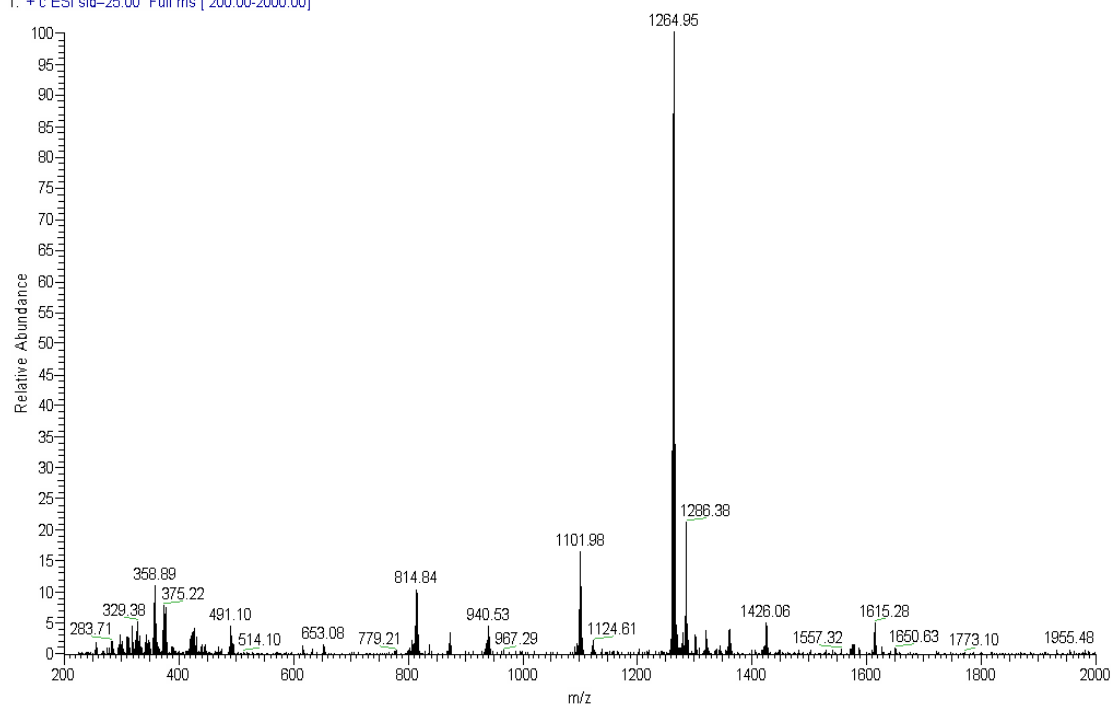


^1H NMR spectrum of **CTPE-3**

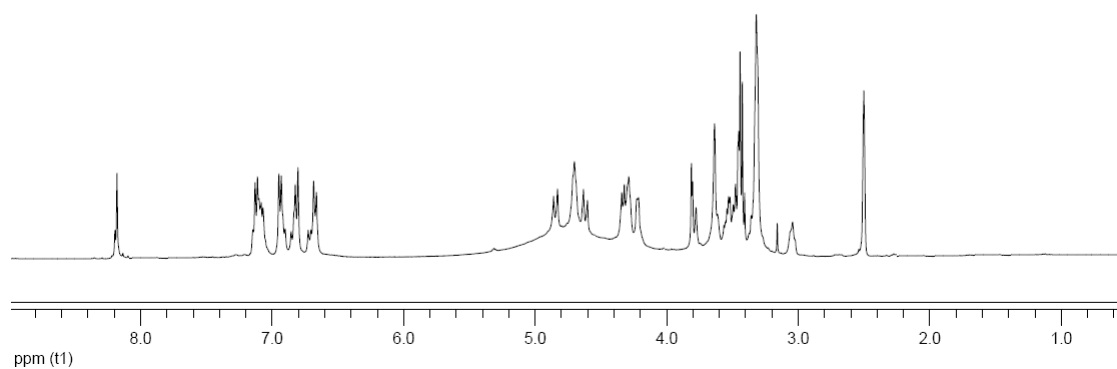


^{13}C NMR spectrum of **CTPE-3**

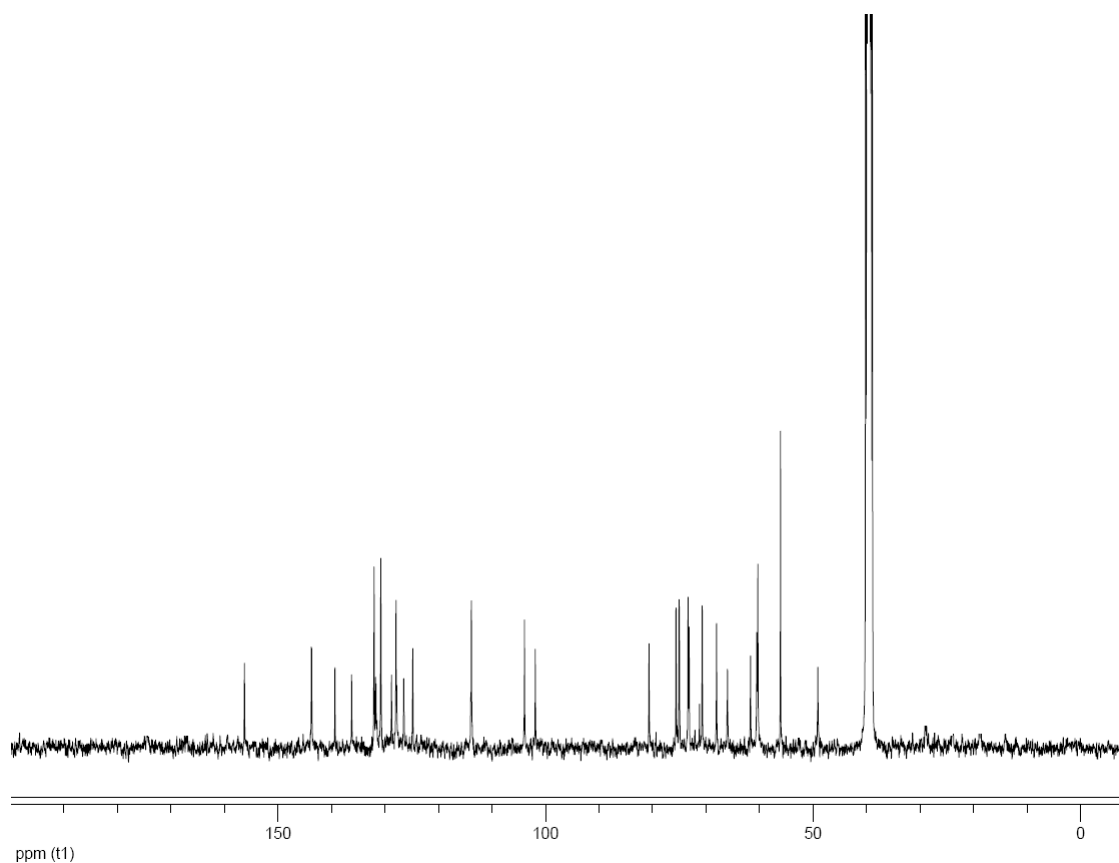
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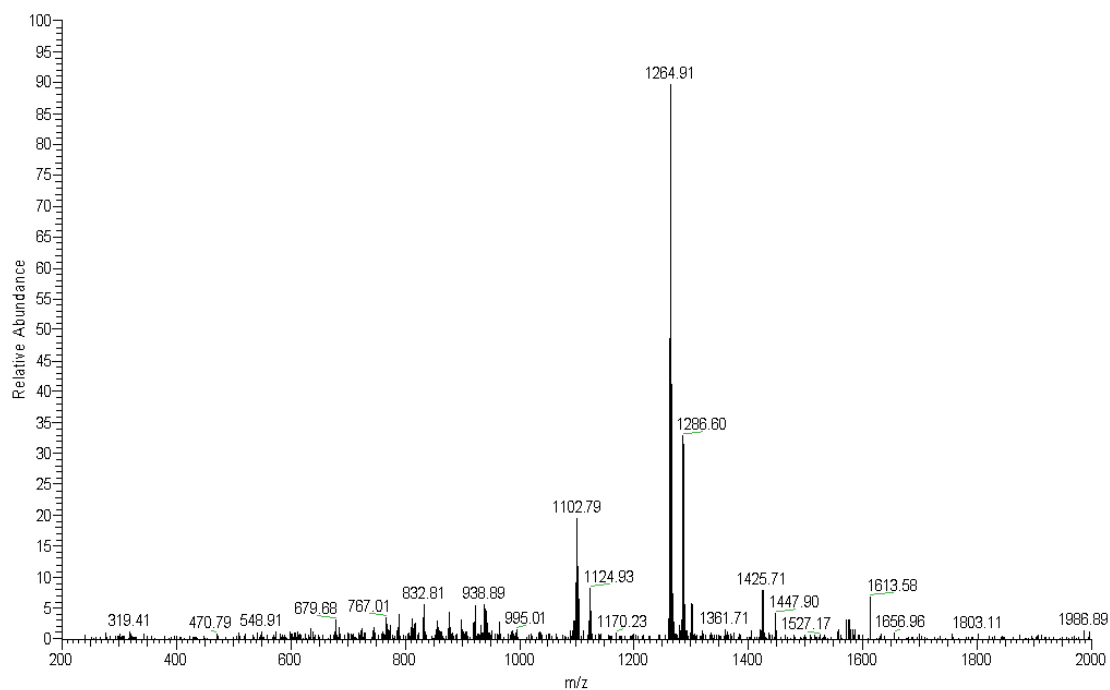
MS spectrum of CTPE-3



¹H NMR spectrum of CTPE-4



^{13}C NMR spectrum of CTPE-4



MS spectrum of CTPE-4