

Fig. 1 ^1H NMR spectrum of 1-1'

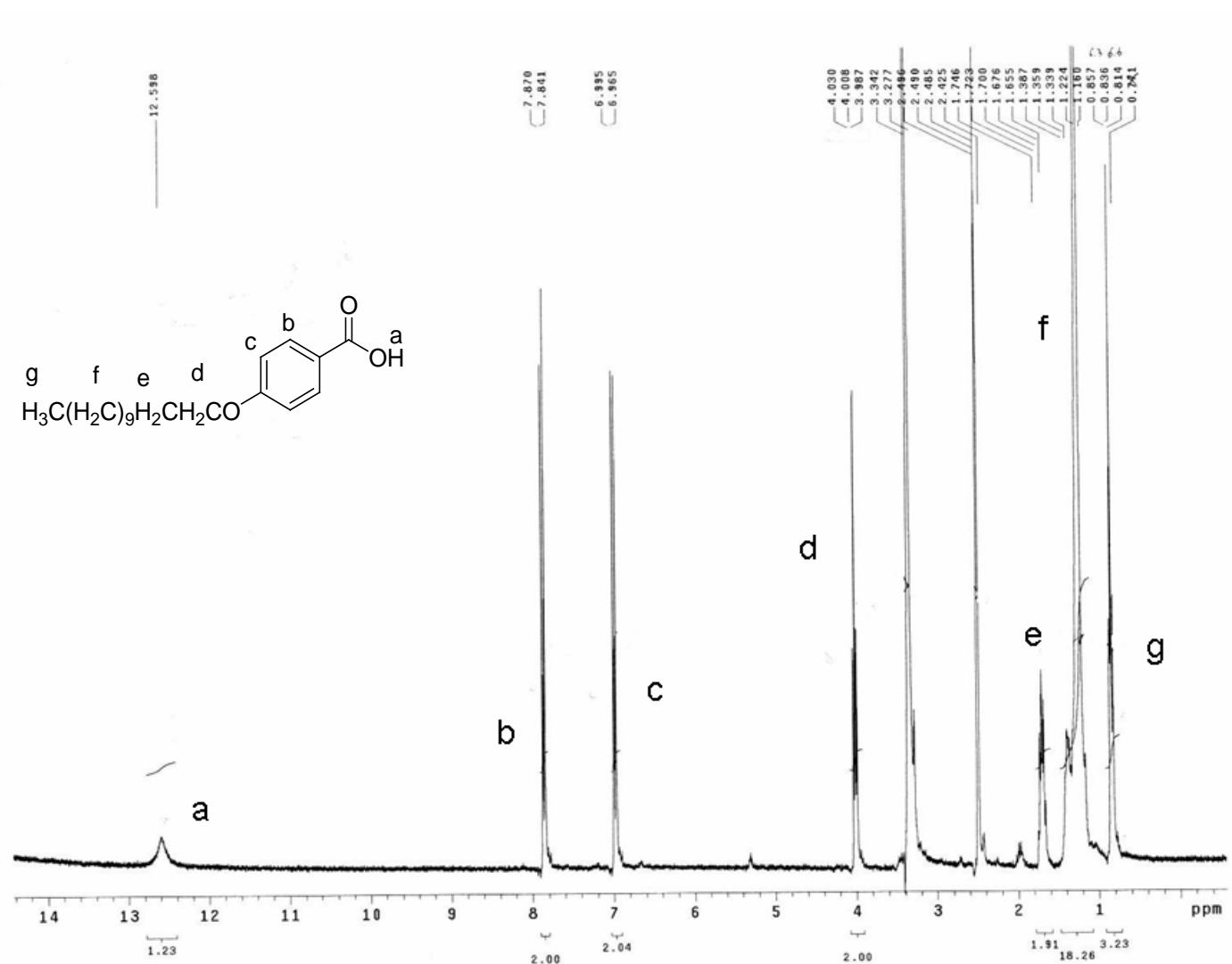


Fig. 2 ¹H NMR spectrum of 1-1

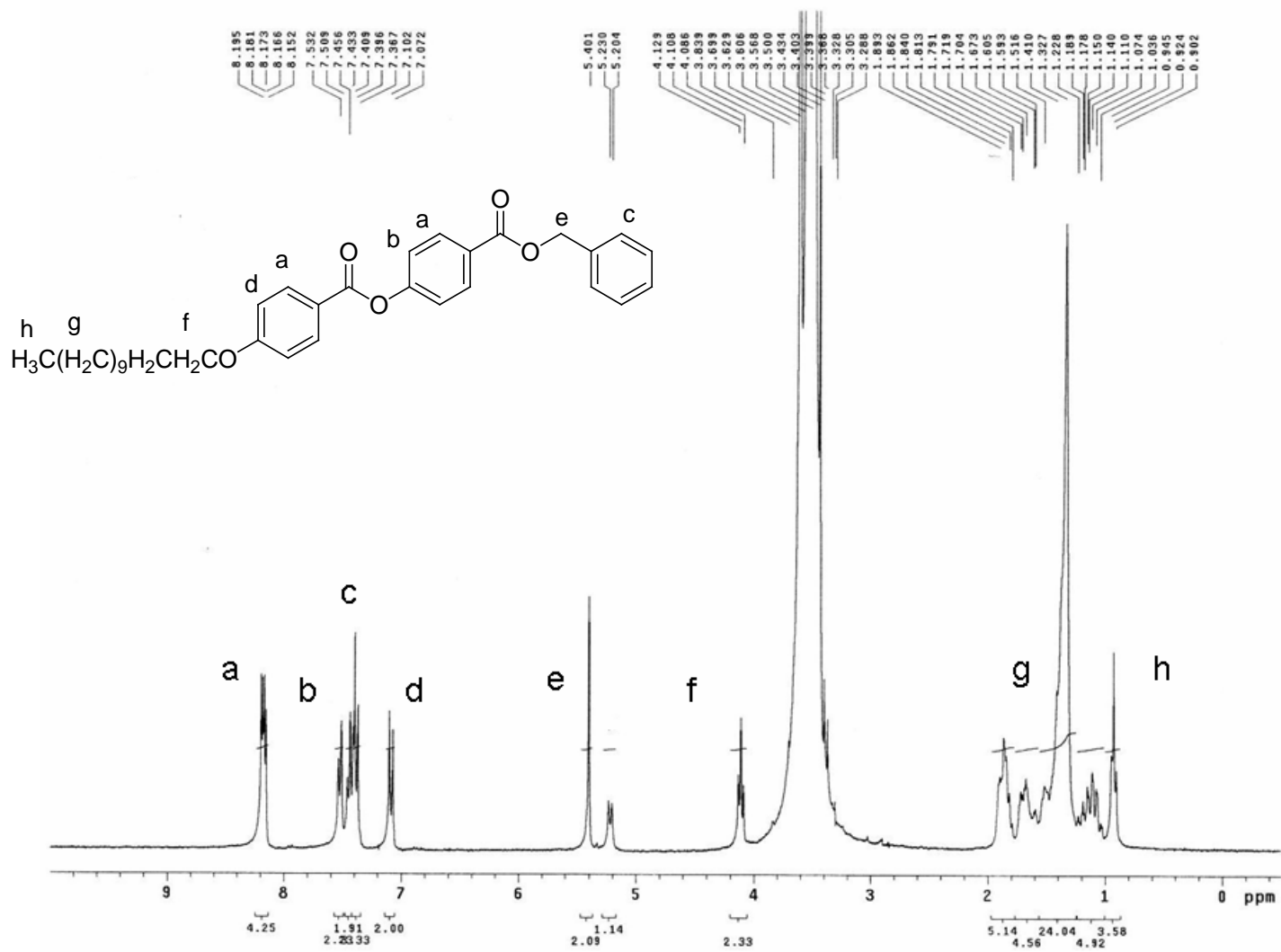


Fig. 3 ¹H NMR spectrum of 1-2'

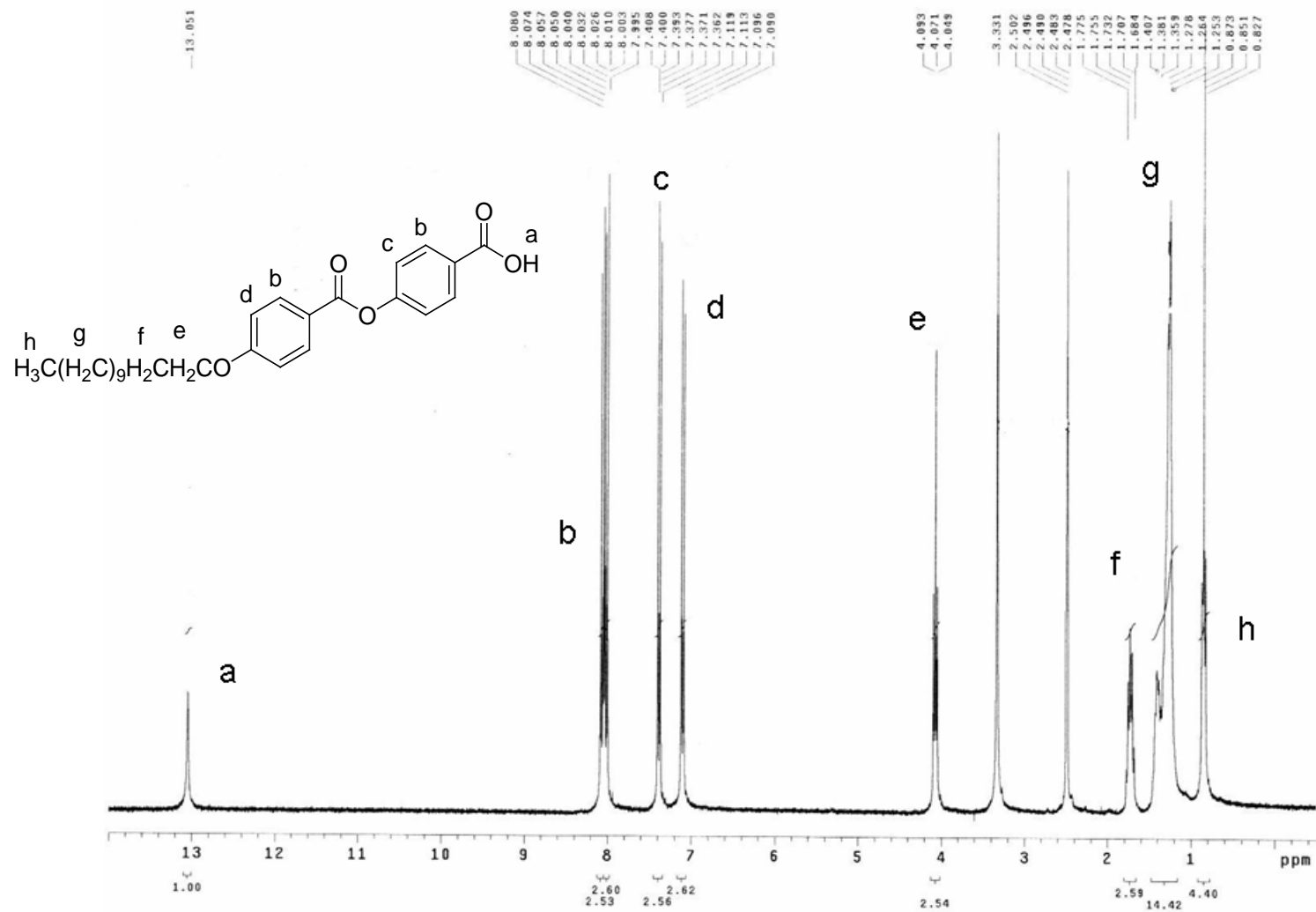


Fig. 4 ^1H NMR spectrum of 1-2

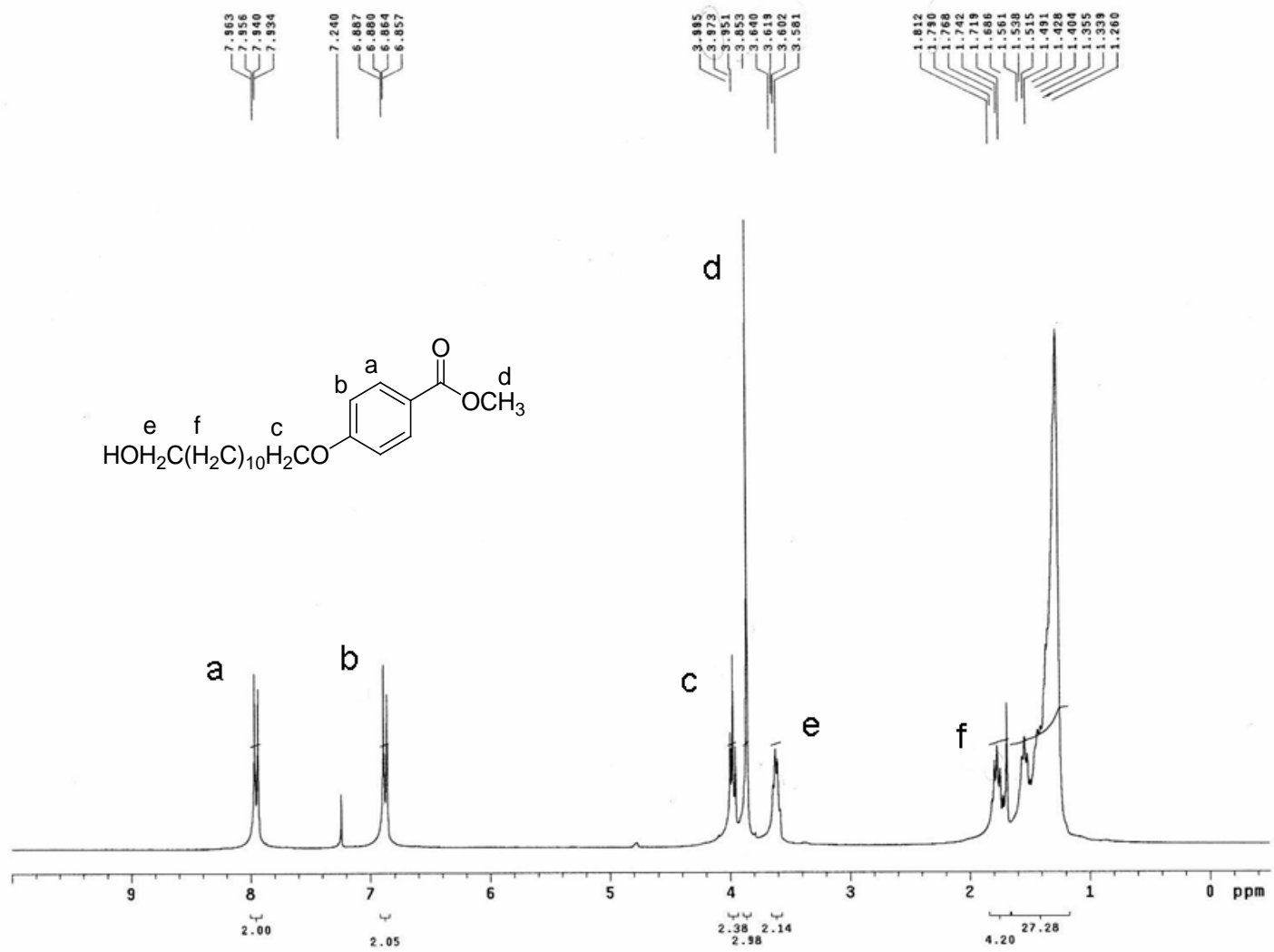


Fig. 5 ¹H NMR spectrum of 1-3'

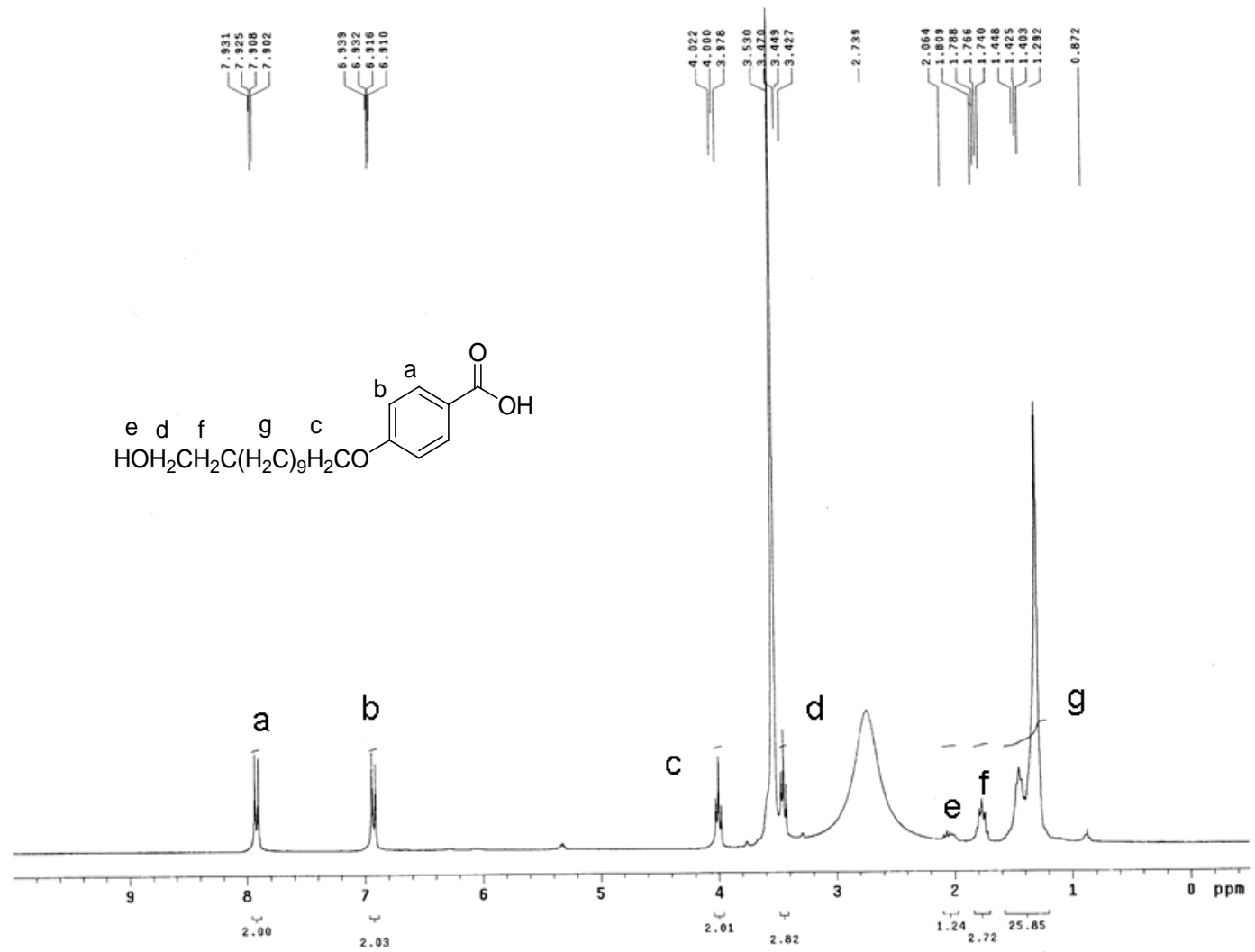


Fig. 6 ¹H NMR spectrum of 1-3

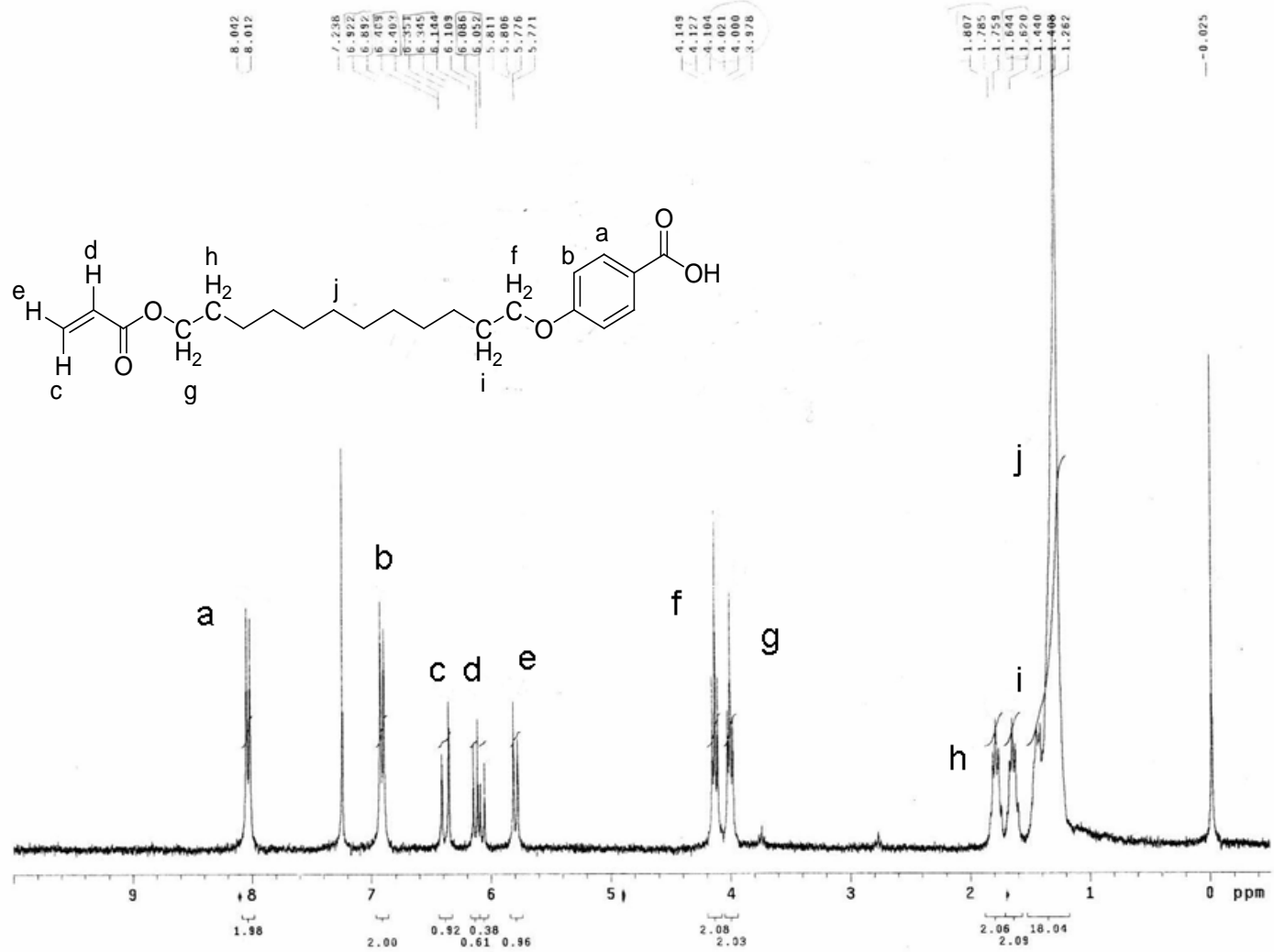


Fig. 7 ¹H NMR spectrum of 1-4

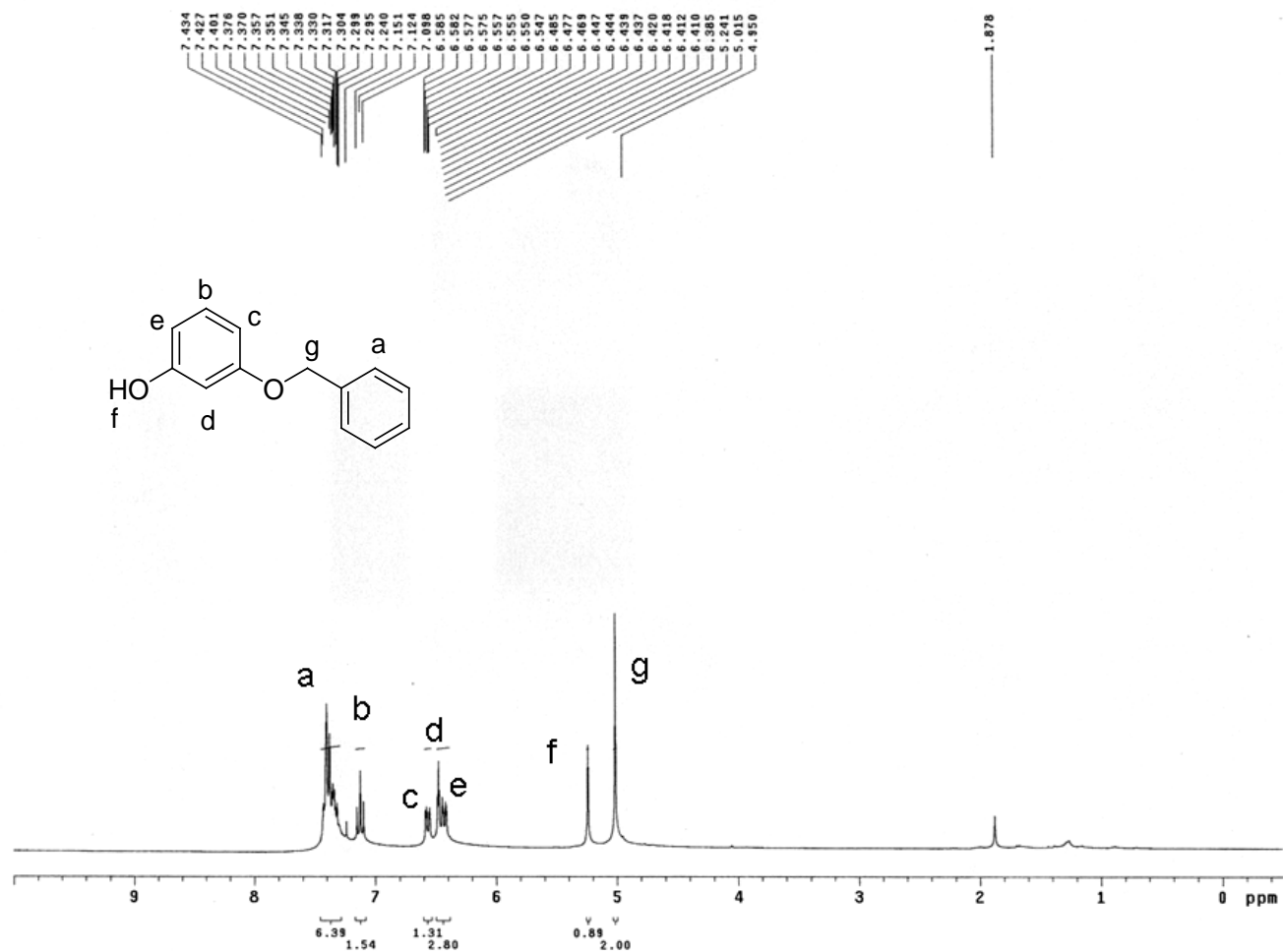


Fig. 8 ¹H NMR spectrum of 2-1

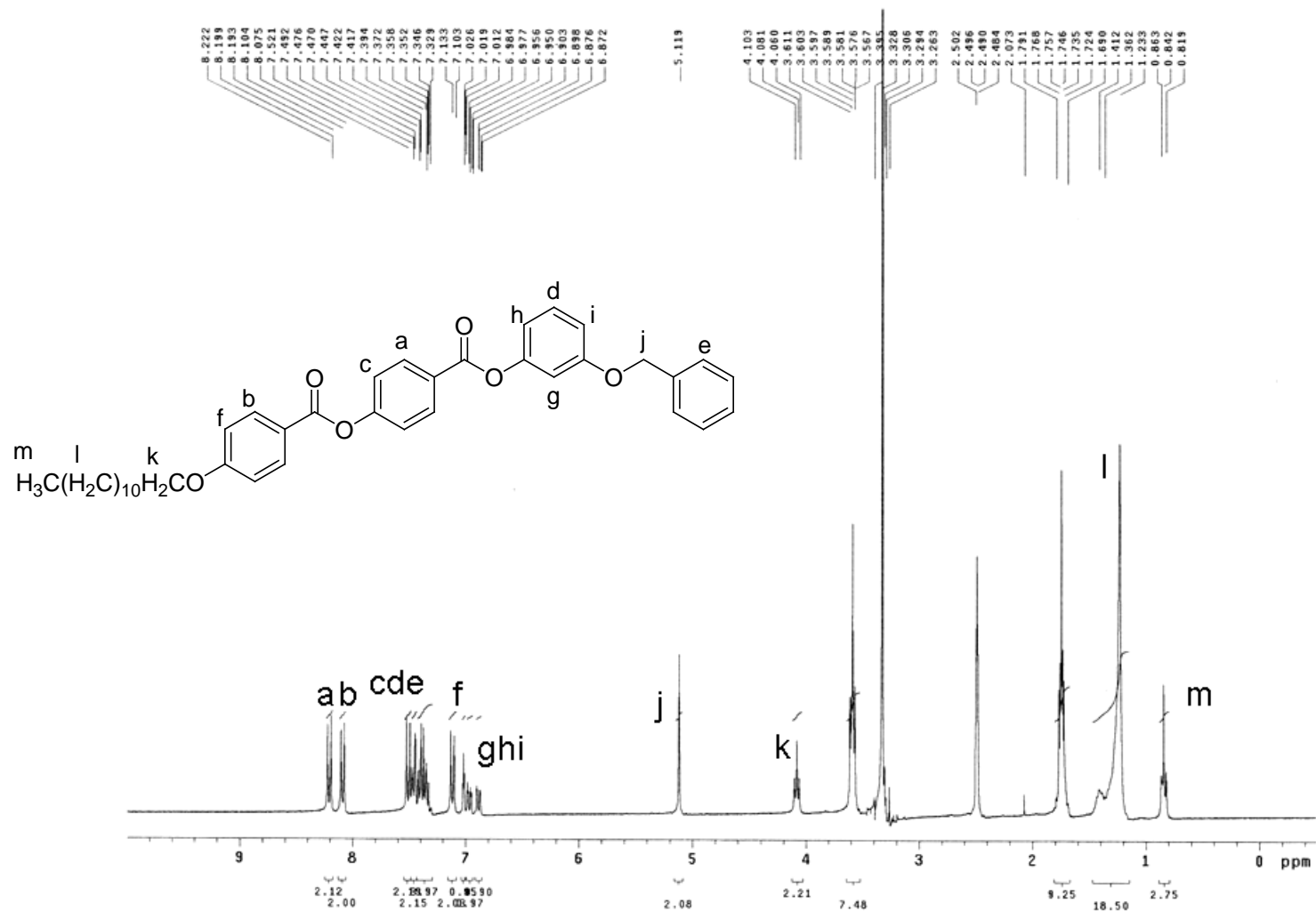


Fig. 9 ¹H NMR spectrum of 2-2'

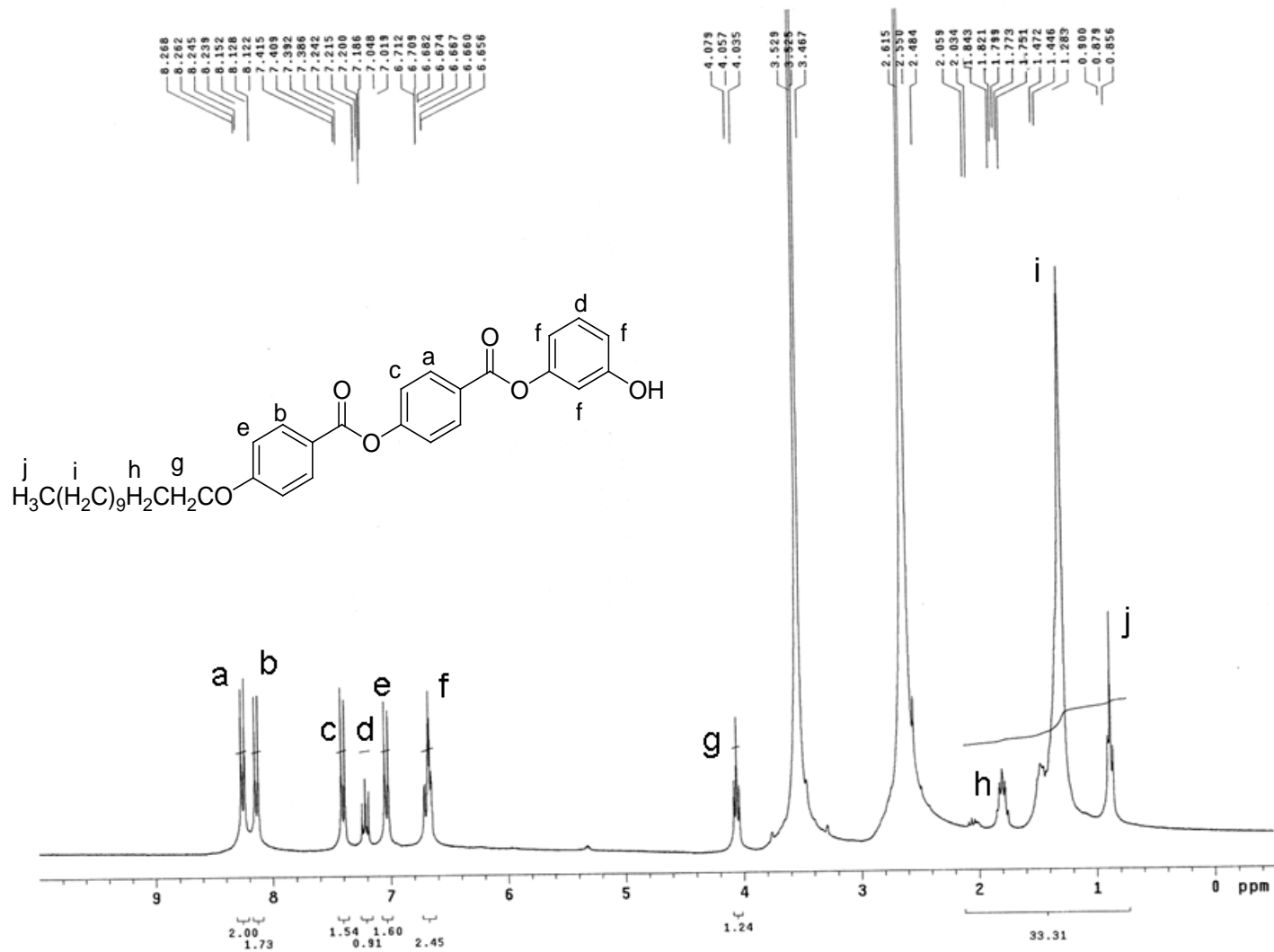


Fig. 10 ¹H NMR spectrum of 2-2

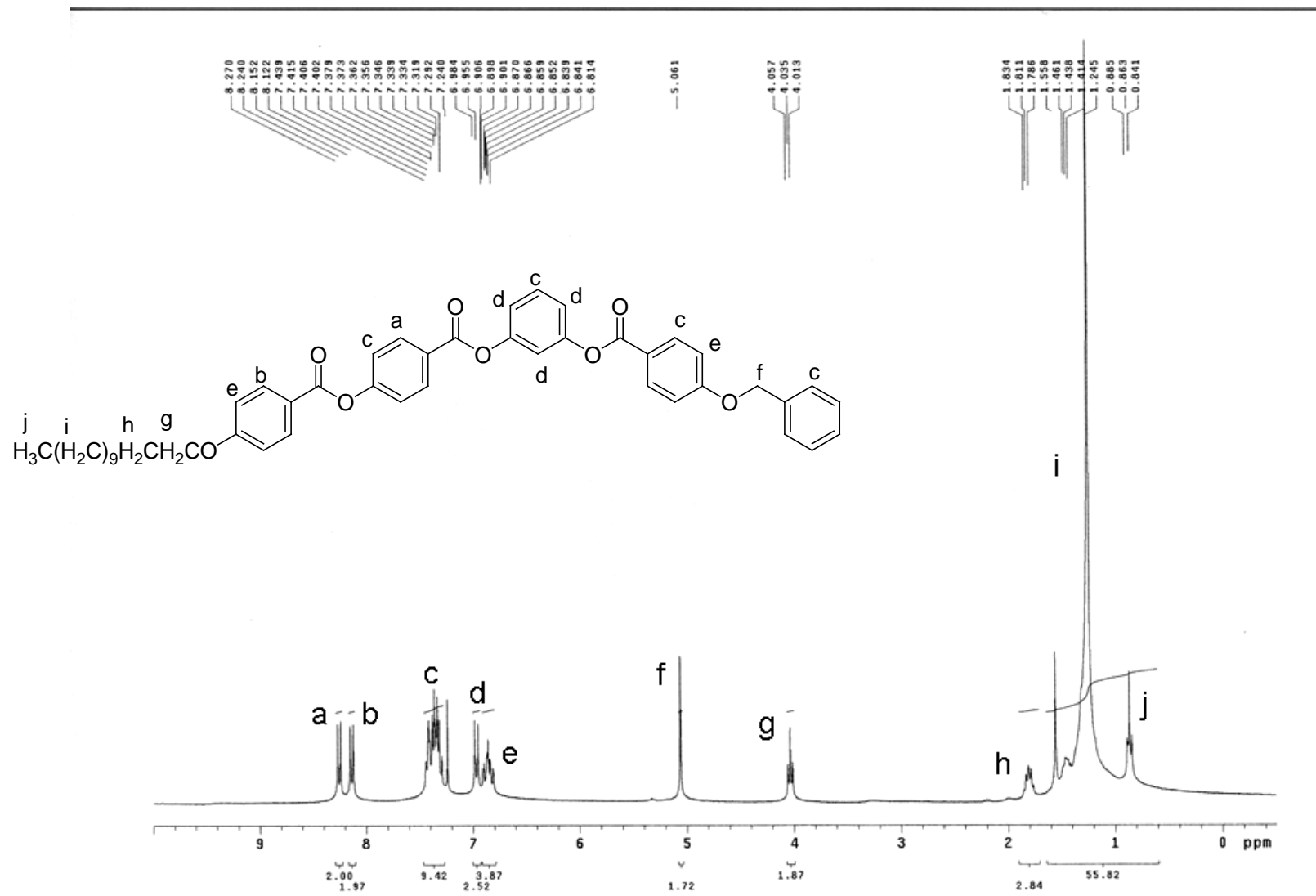


Fig. 11 ^1H NMR spectrum of 2-3

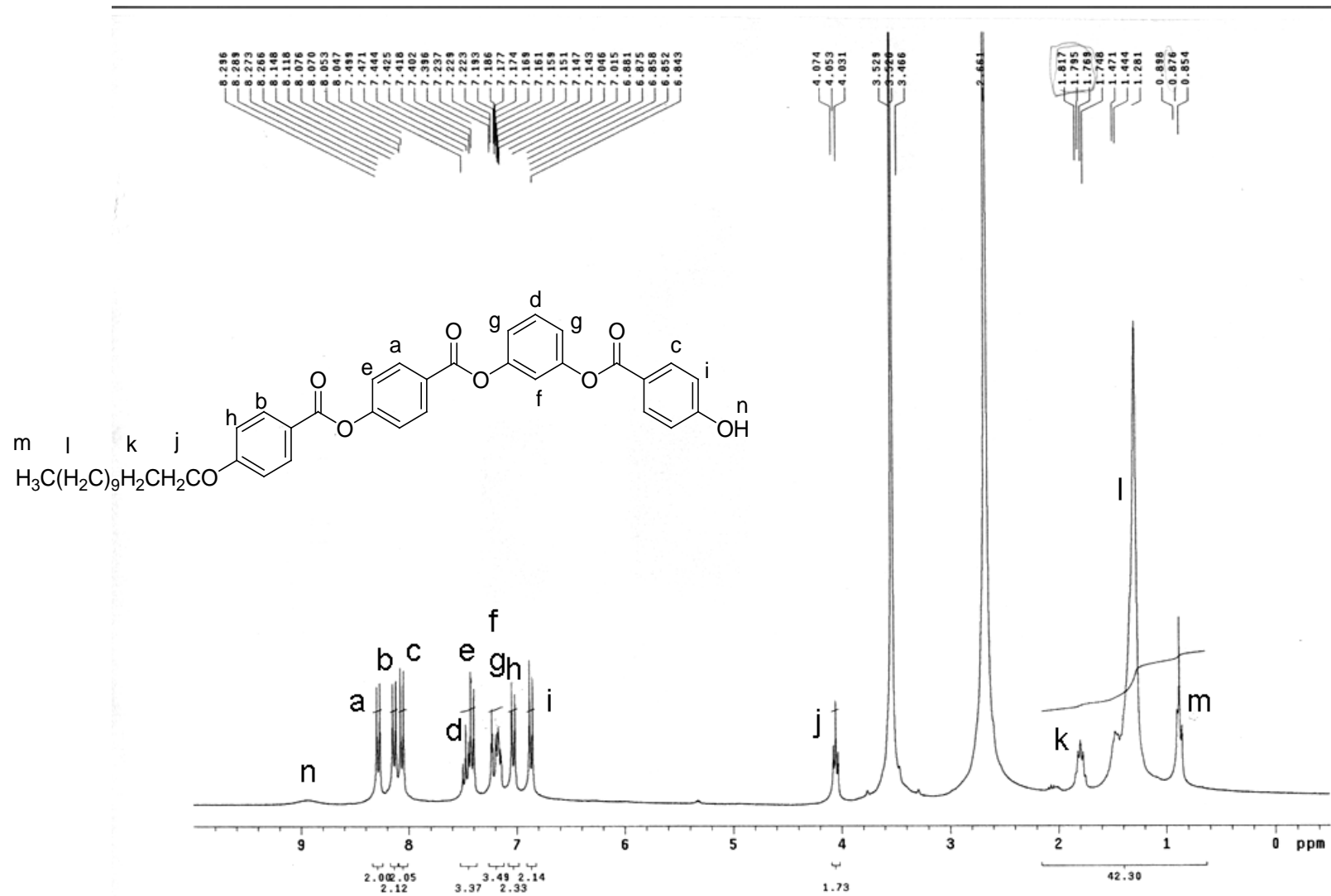


Fig. 12 ^1H NMR spectrum of 2-3

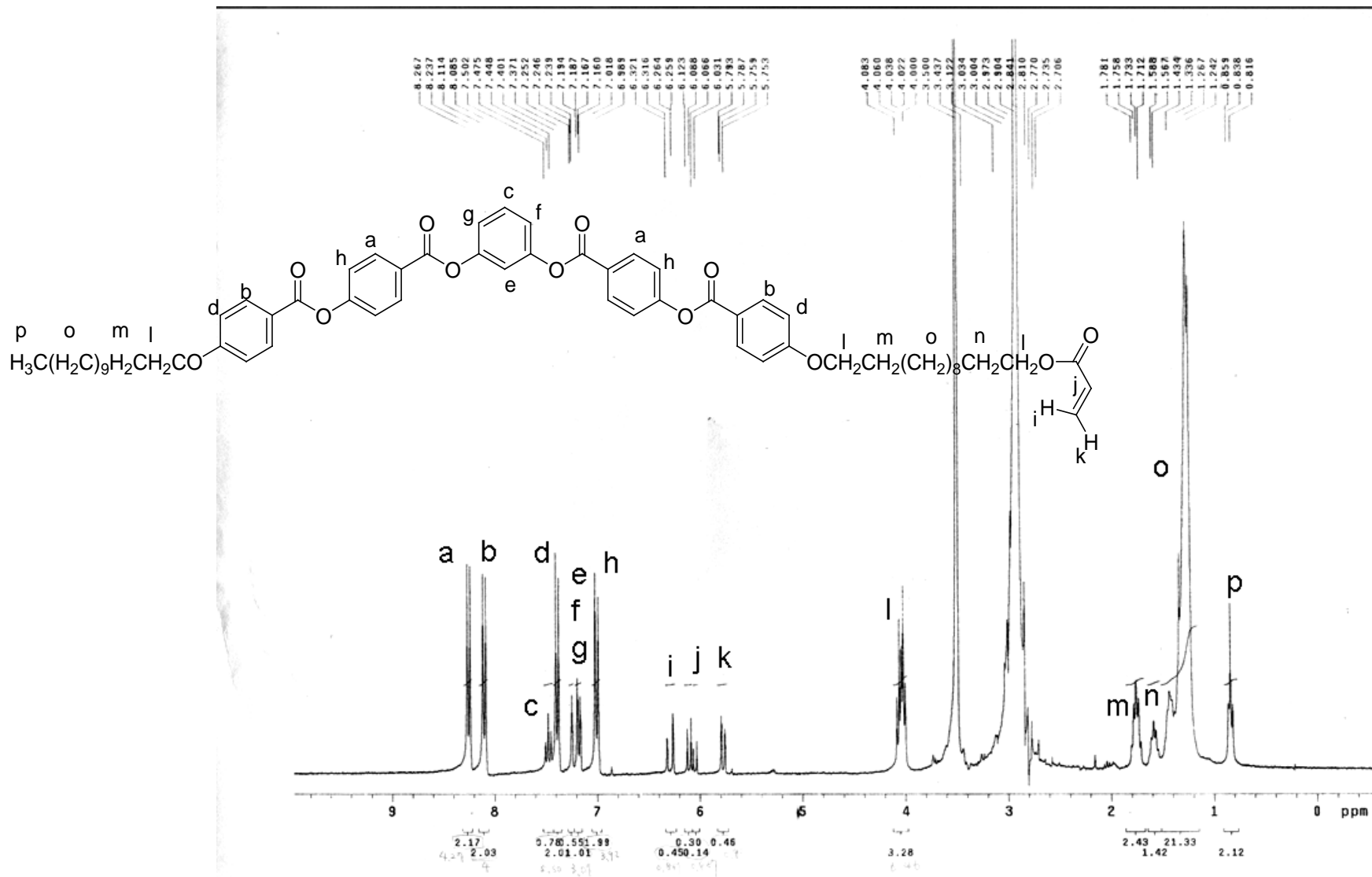


Fig. 13 ¹H NMR spectrum of 2-4

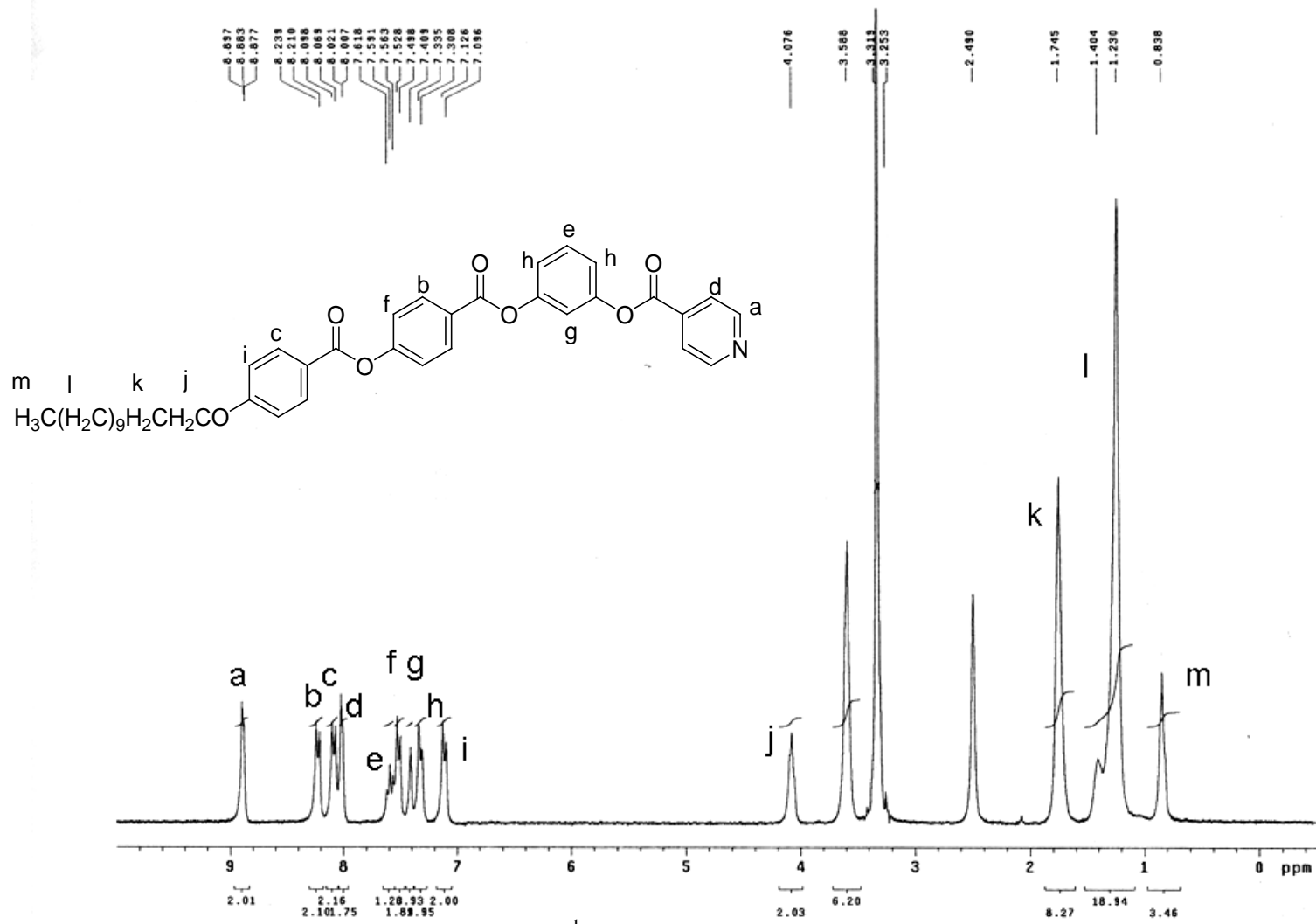


Fig. 14 ¹H NMR spectrum of 2-5

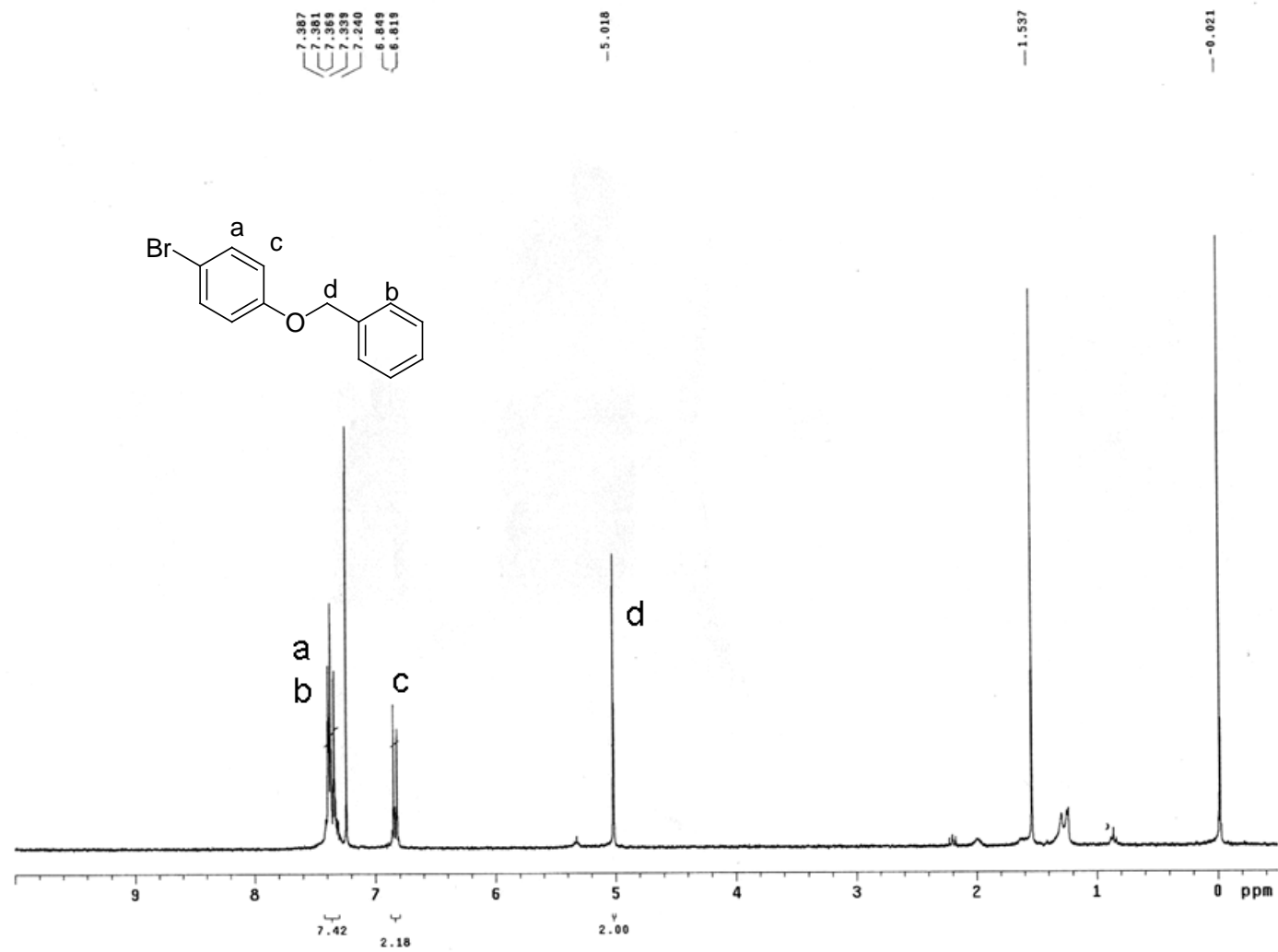


Fig. 15 ^1H NMR spectrum of 3-1'

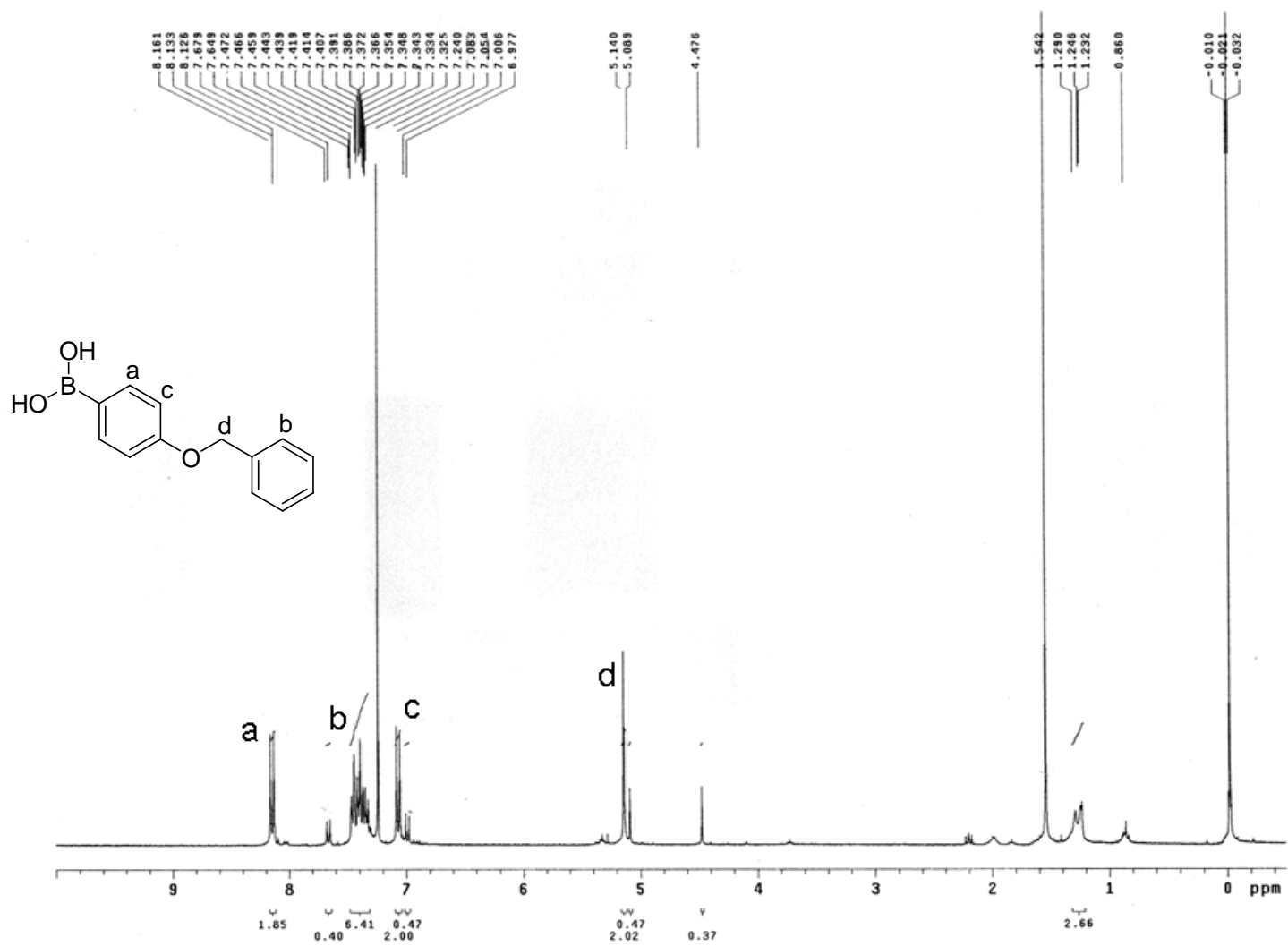


Fig. 16 ¹H NMR spectrum of 3-1

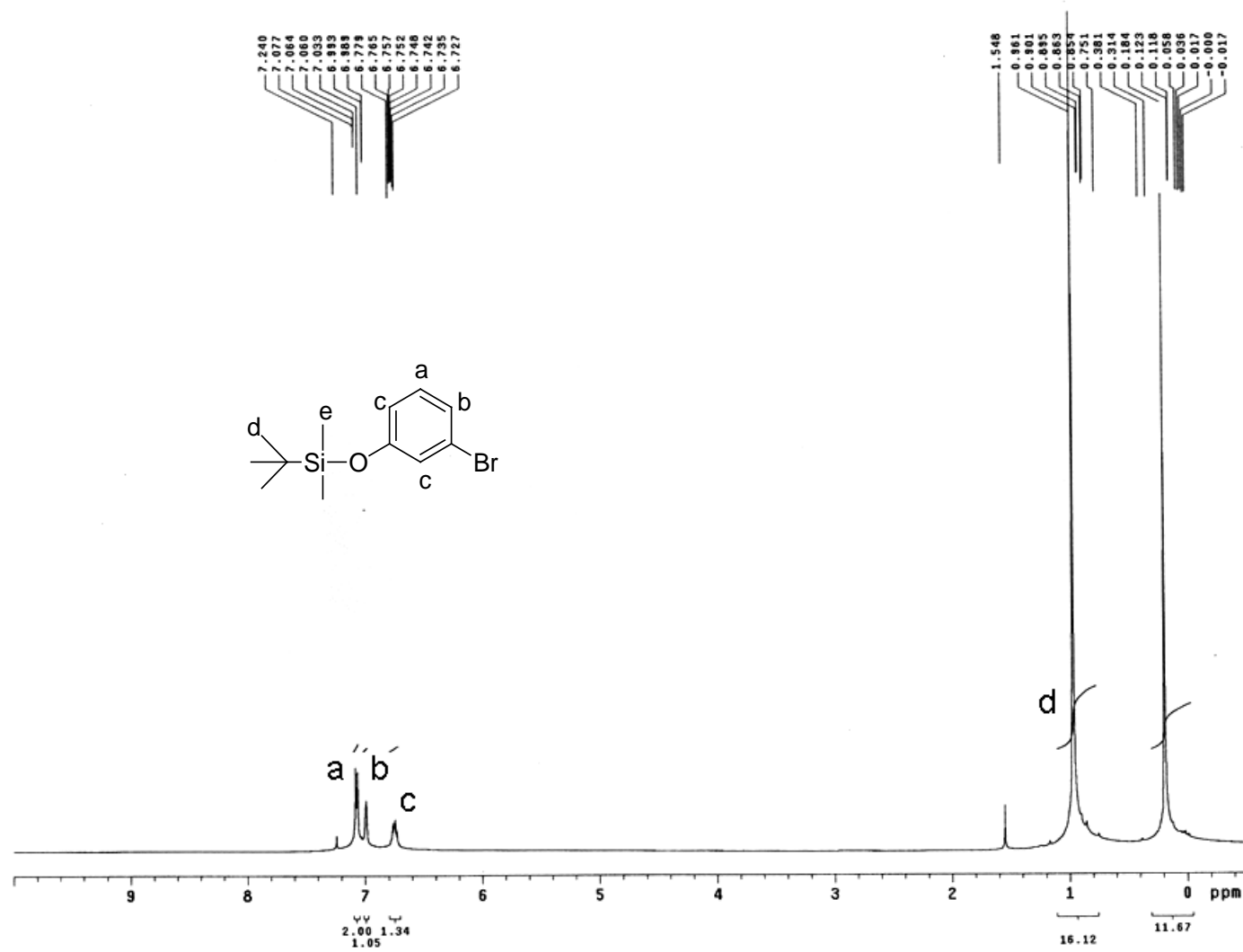


Fig. 17 ¹H NMR spectrum of 3-2

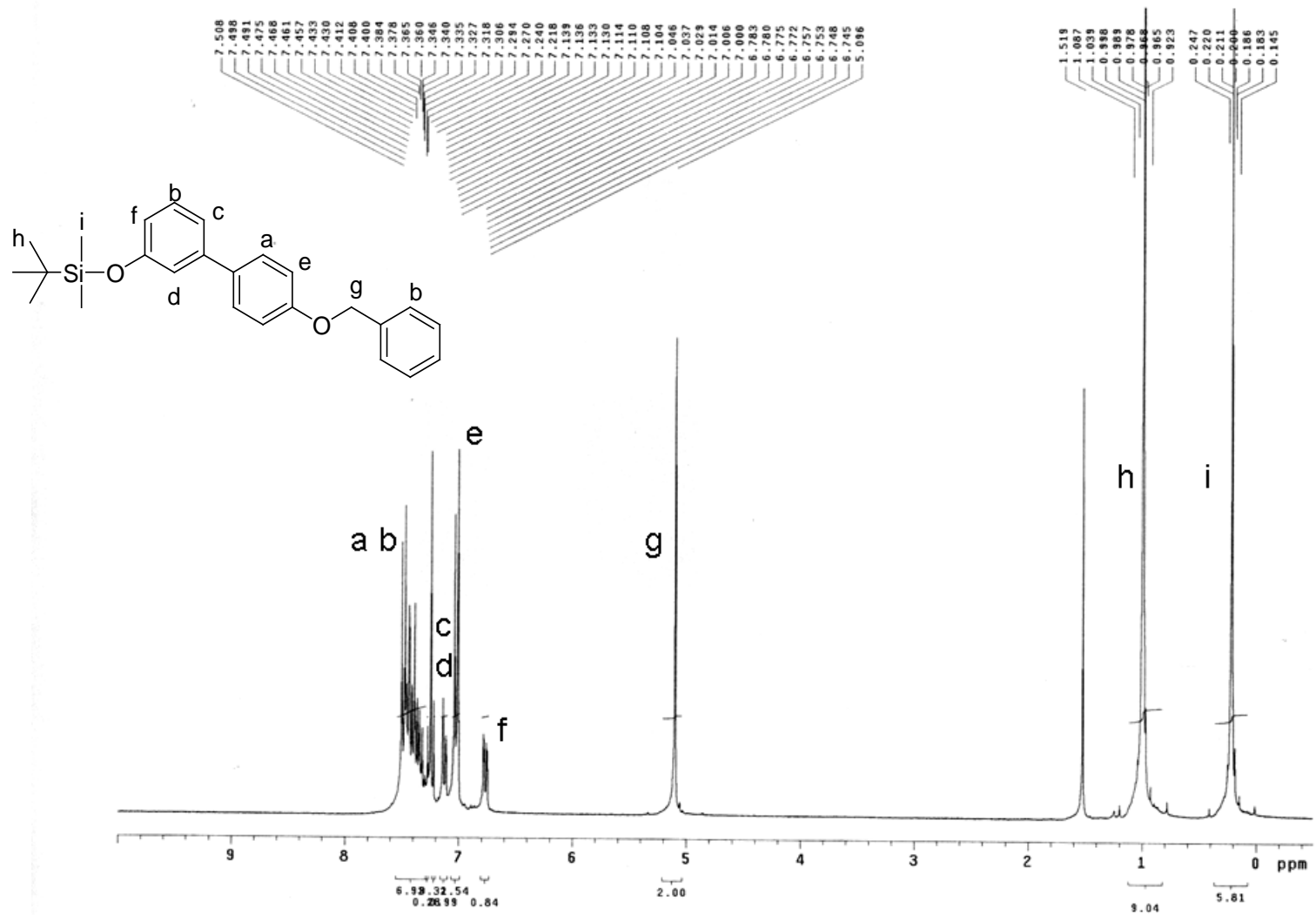


Fig. 18 ¹H NMR spectrum of 3-3

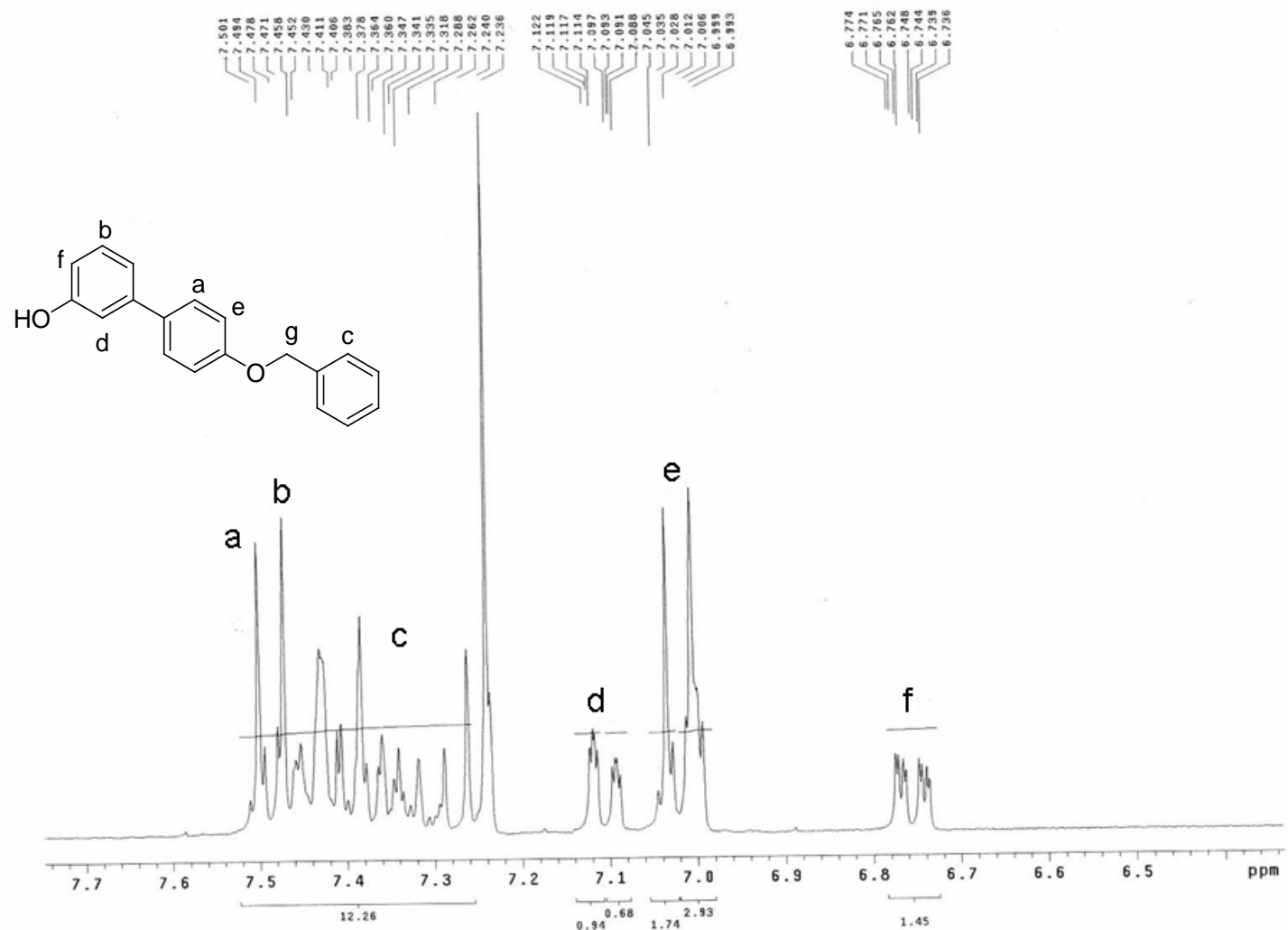


Fig. 19 ^1H NMR spectrum of 3-4

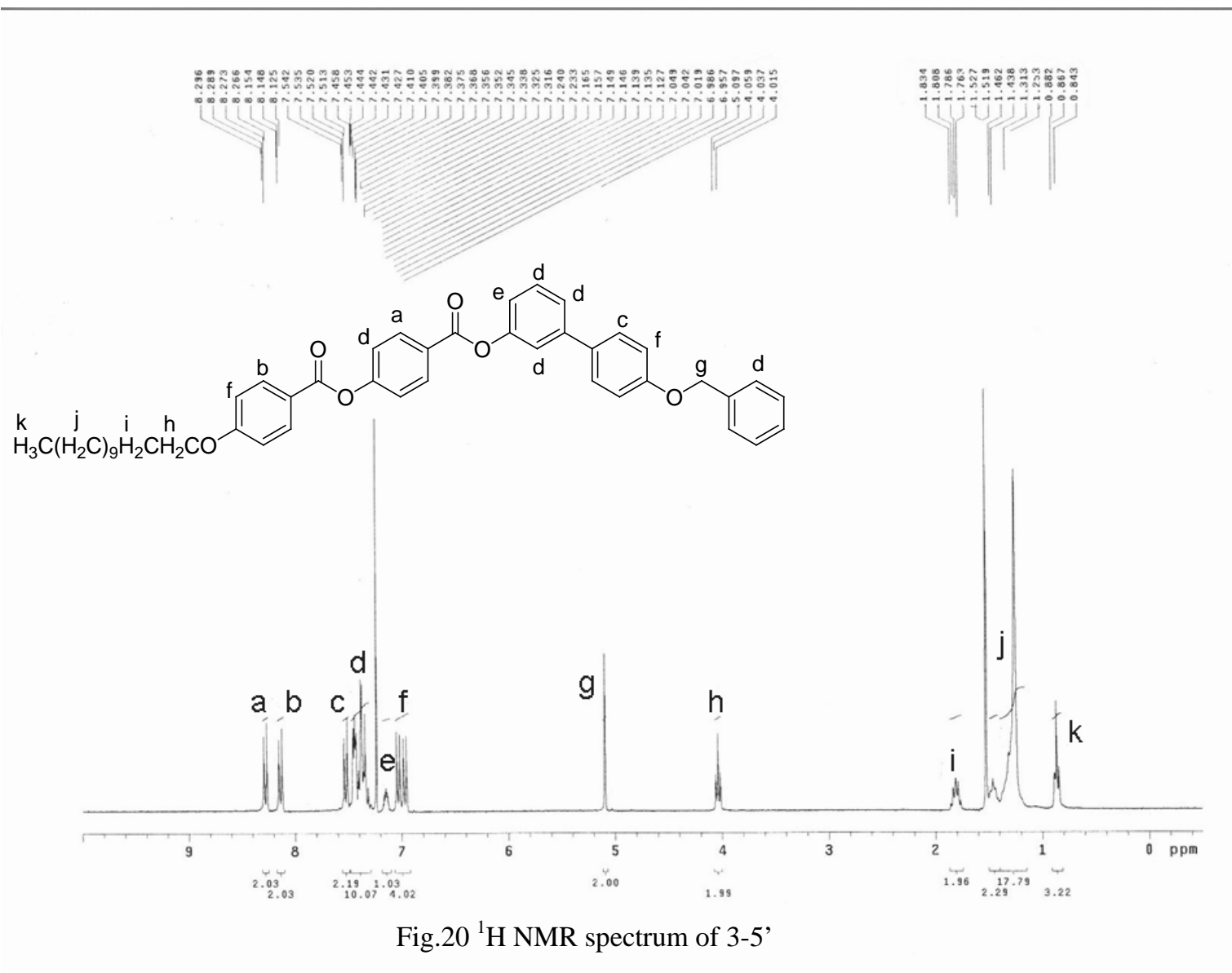


Fig.20 ^1H NMR spectrum of 3-5'

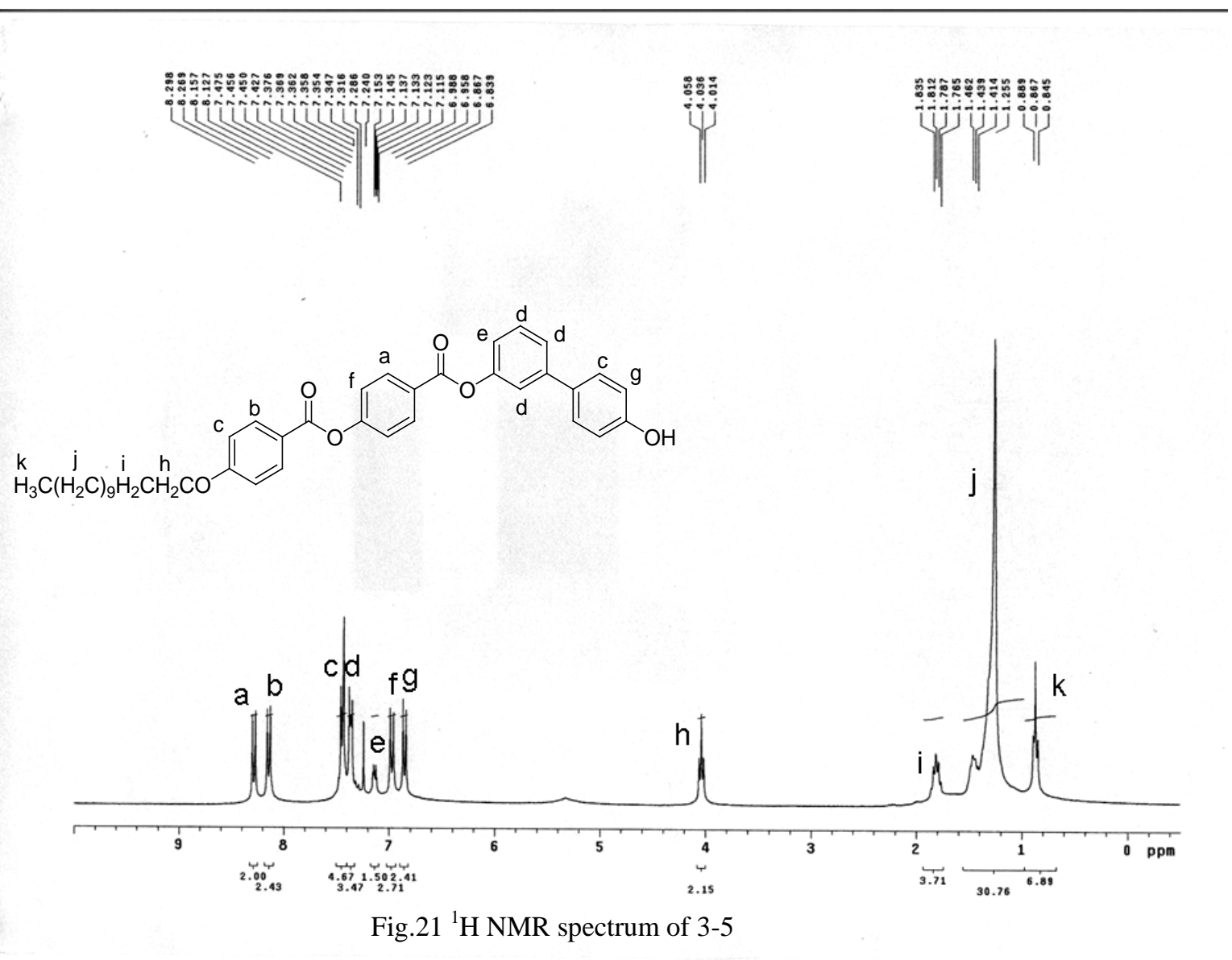


Fig.21 ¹H NMR spectrum of 3-5

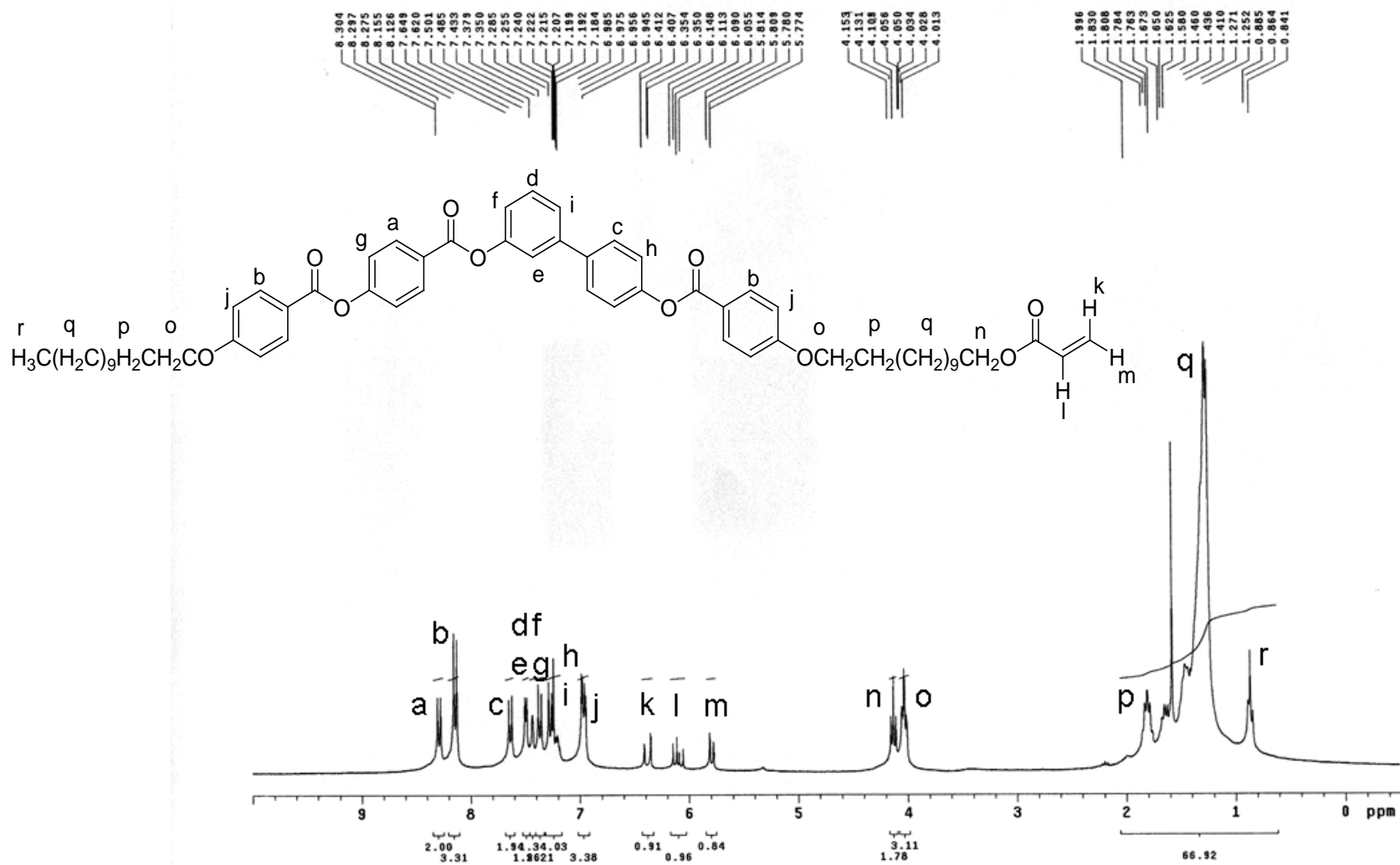


Fig.22 ^1H NMR spectrum of 3-6

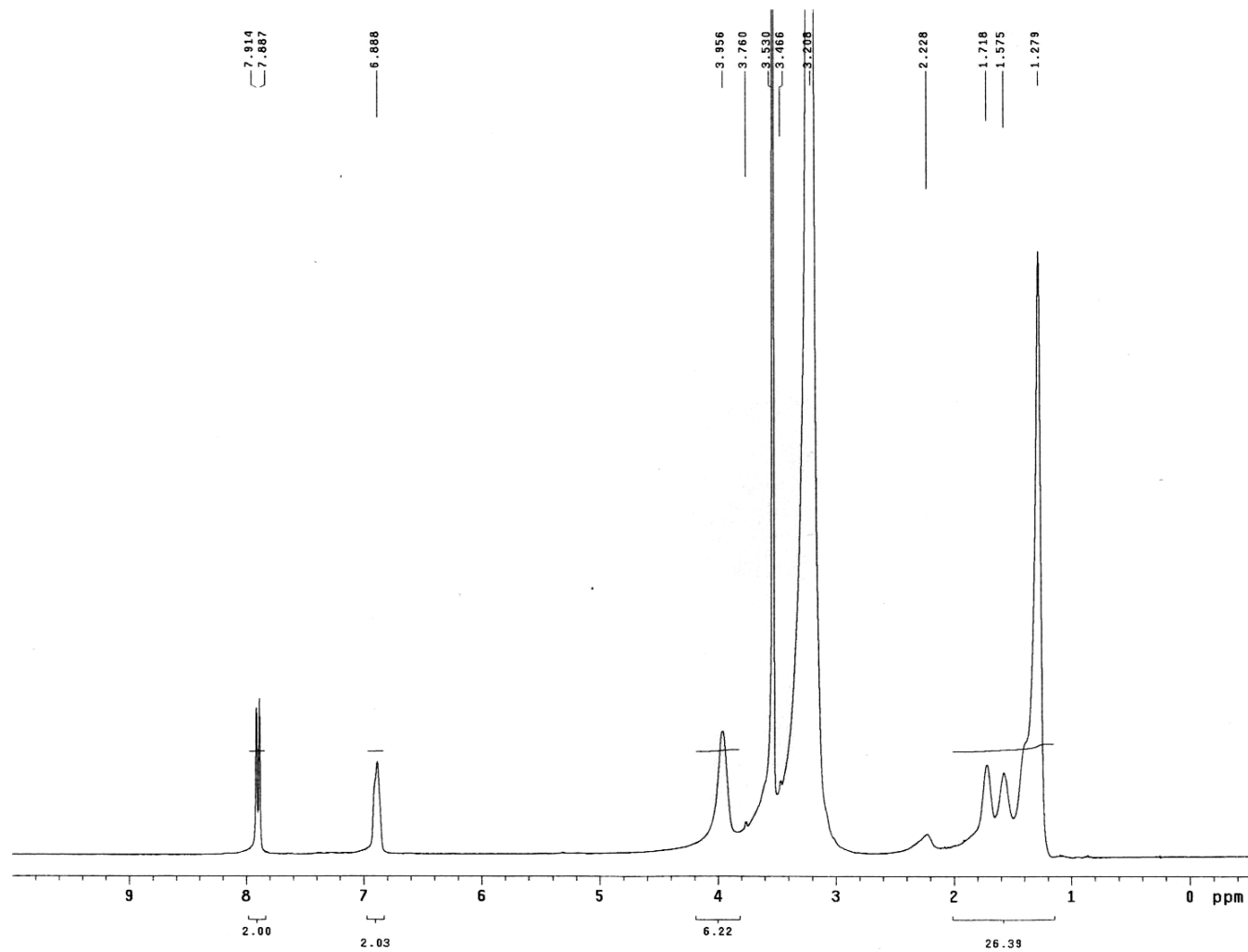


Fig.23 ^1H NMR spectrum of HA1B0

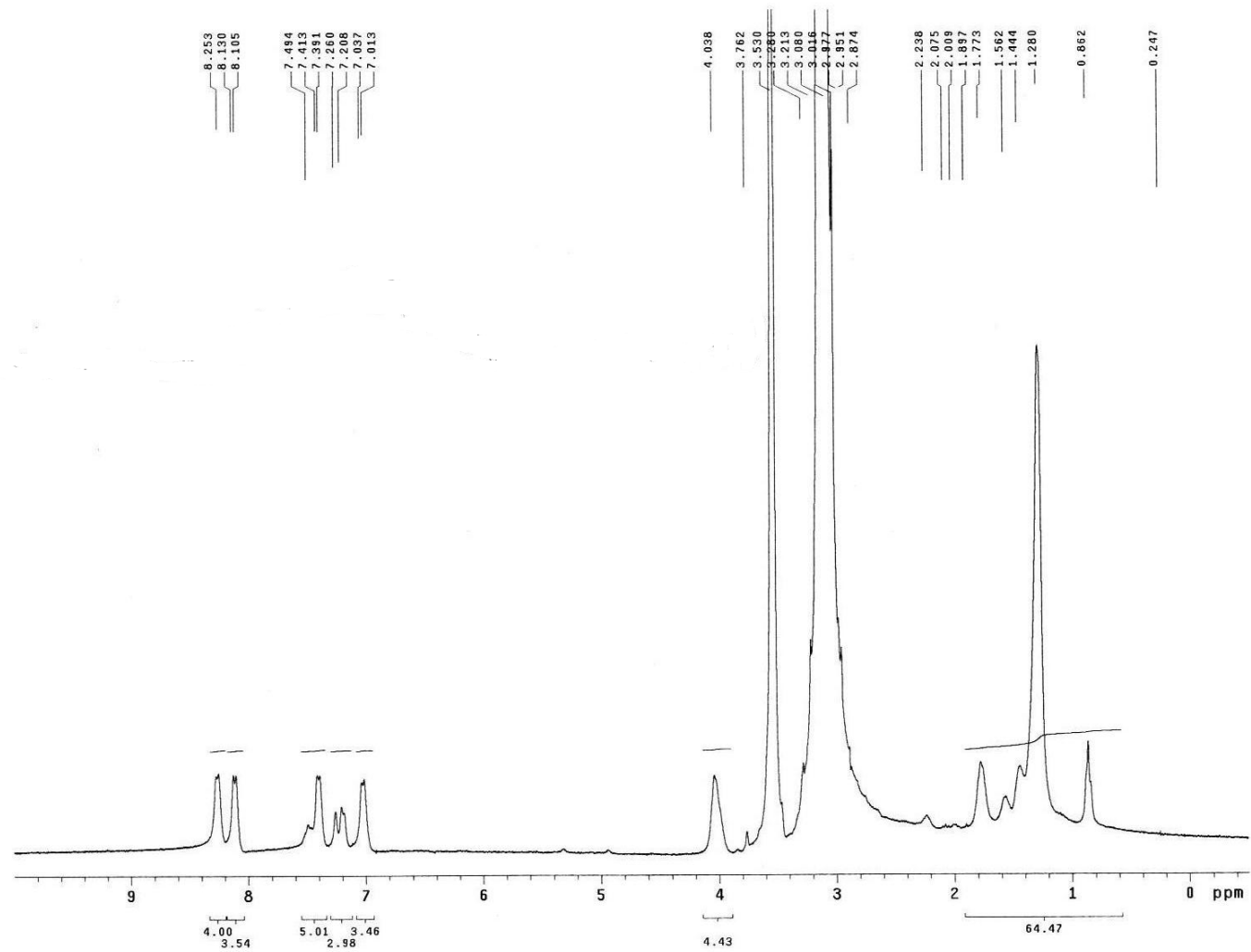


Fig.24 ^1H NMR spectrum of HA0B1

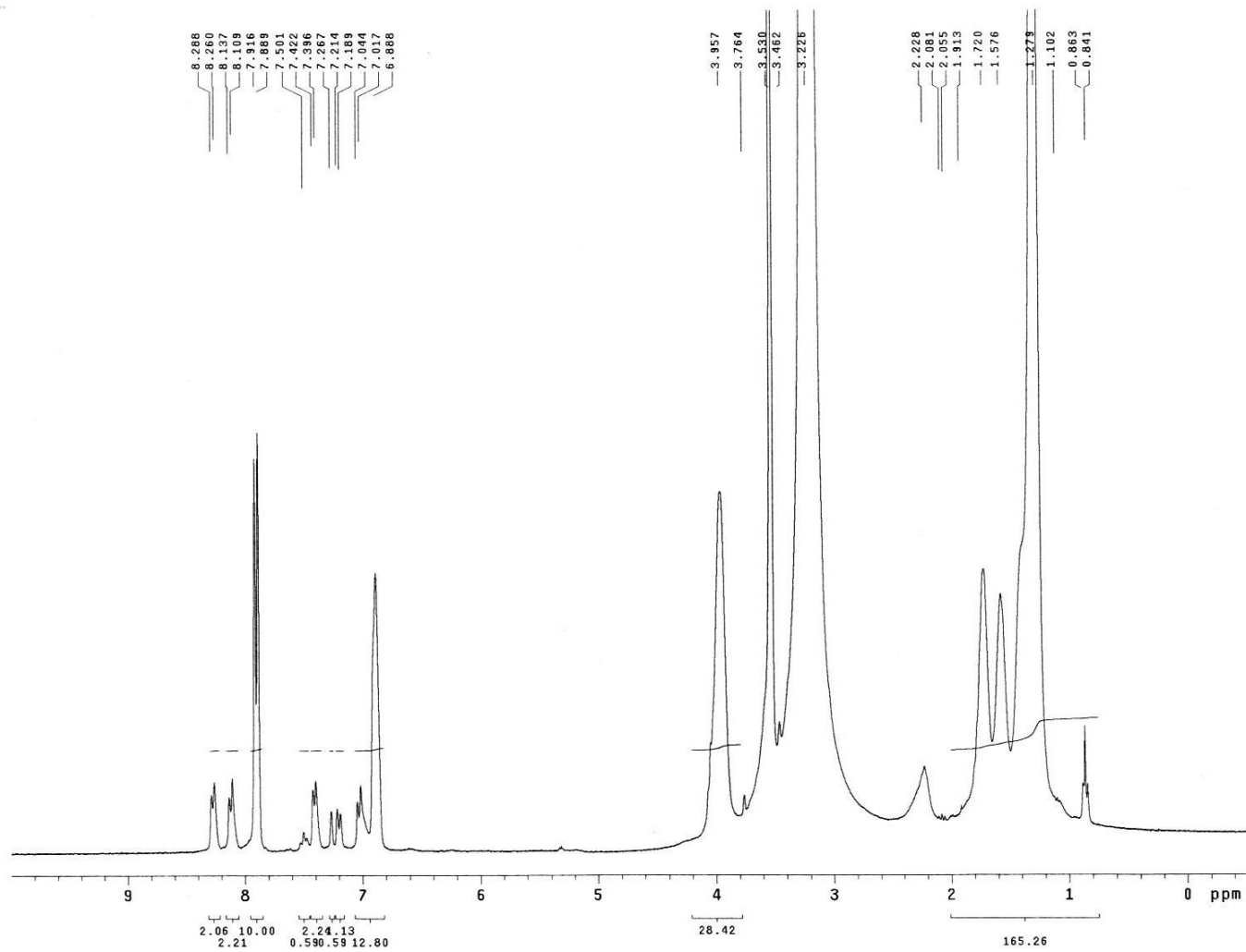


Fig.25 ^1H NMR spectrum of **HA10B1**

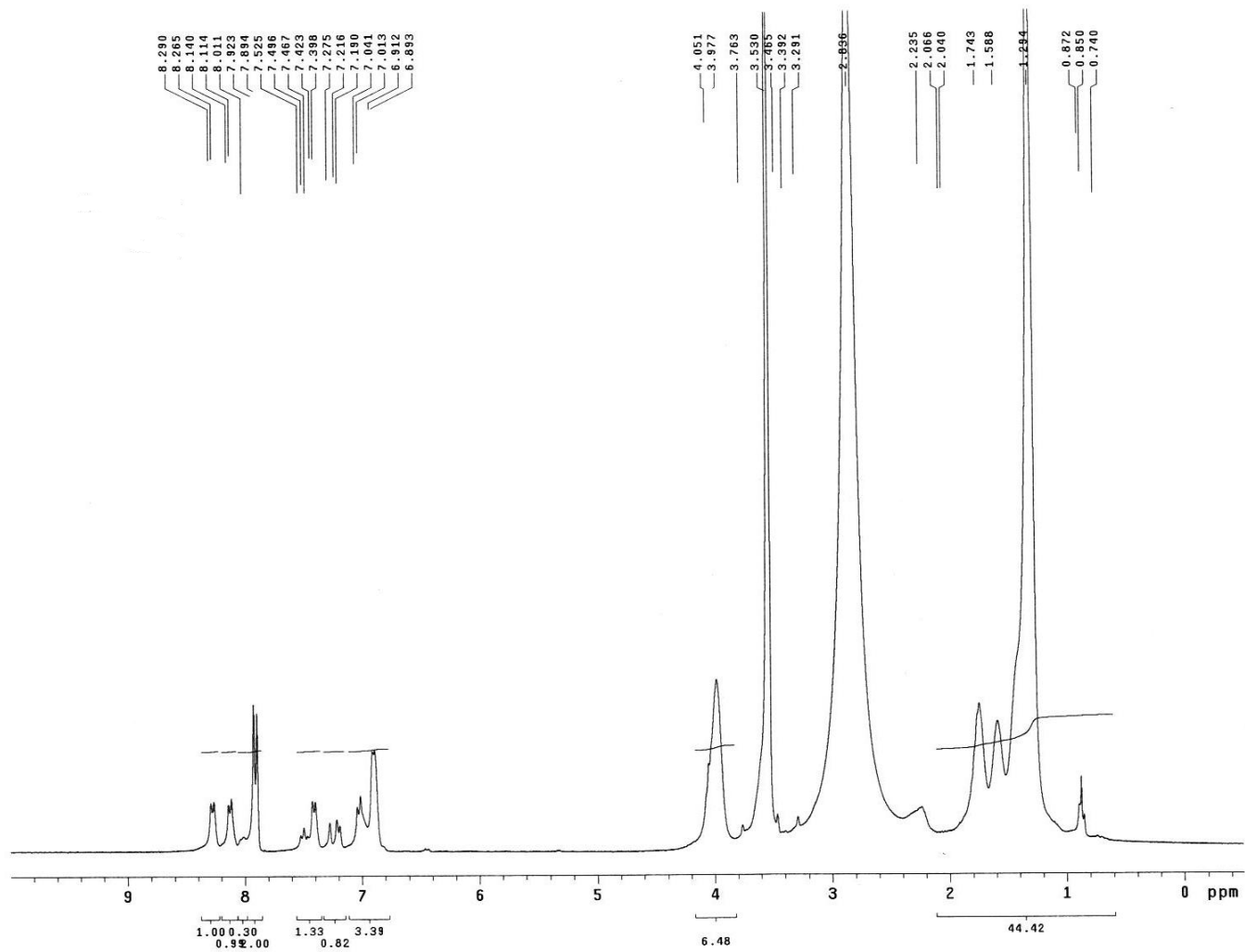


Fig.26 ^1H NMR spectrum of HA4B1

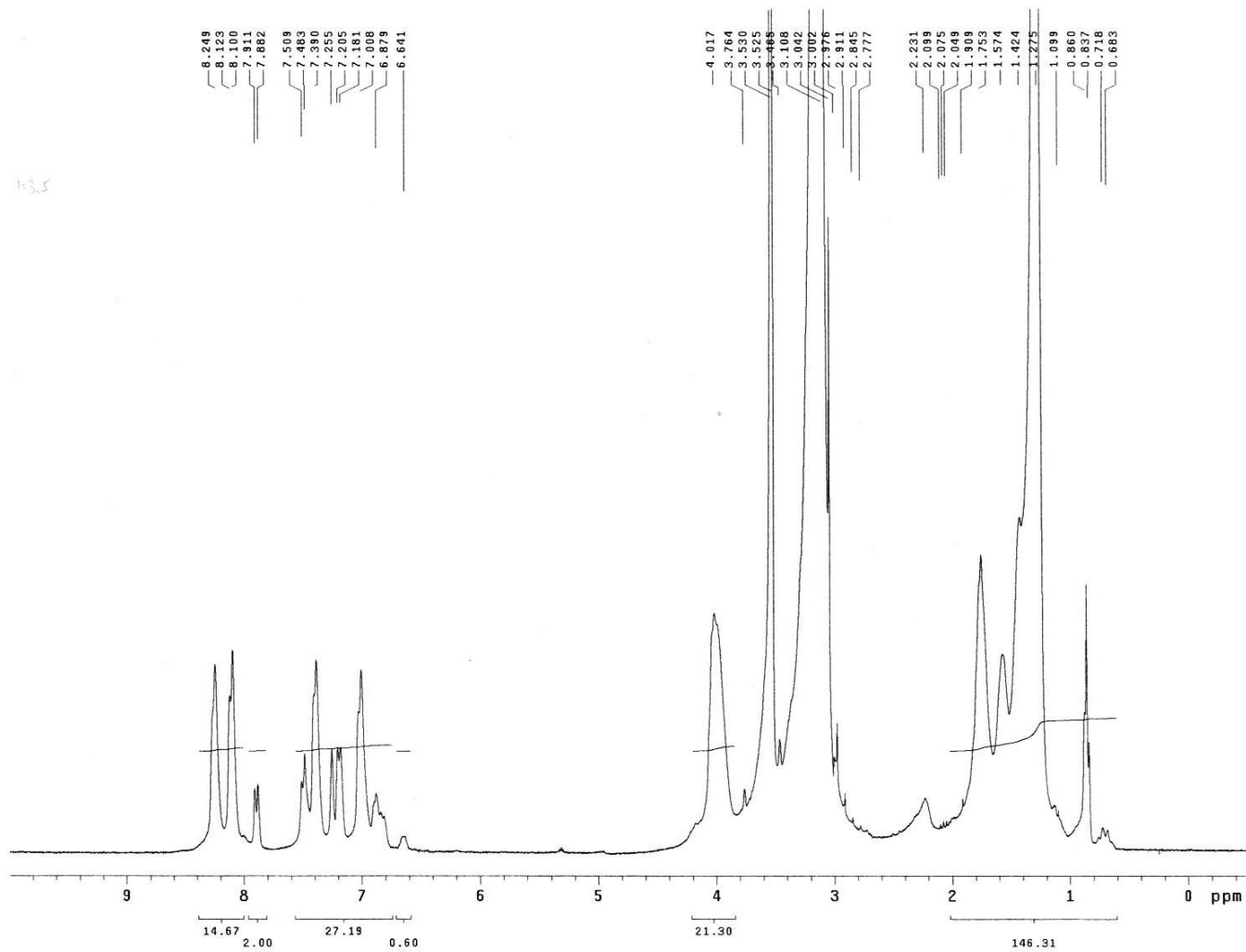


Fig.27 ^1H NMR spectrum of HA1B3.5

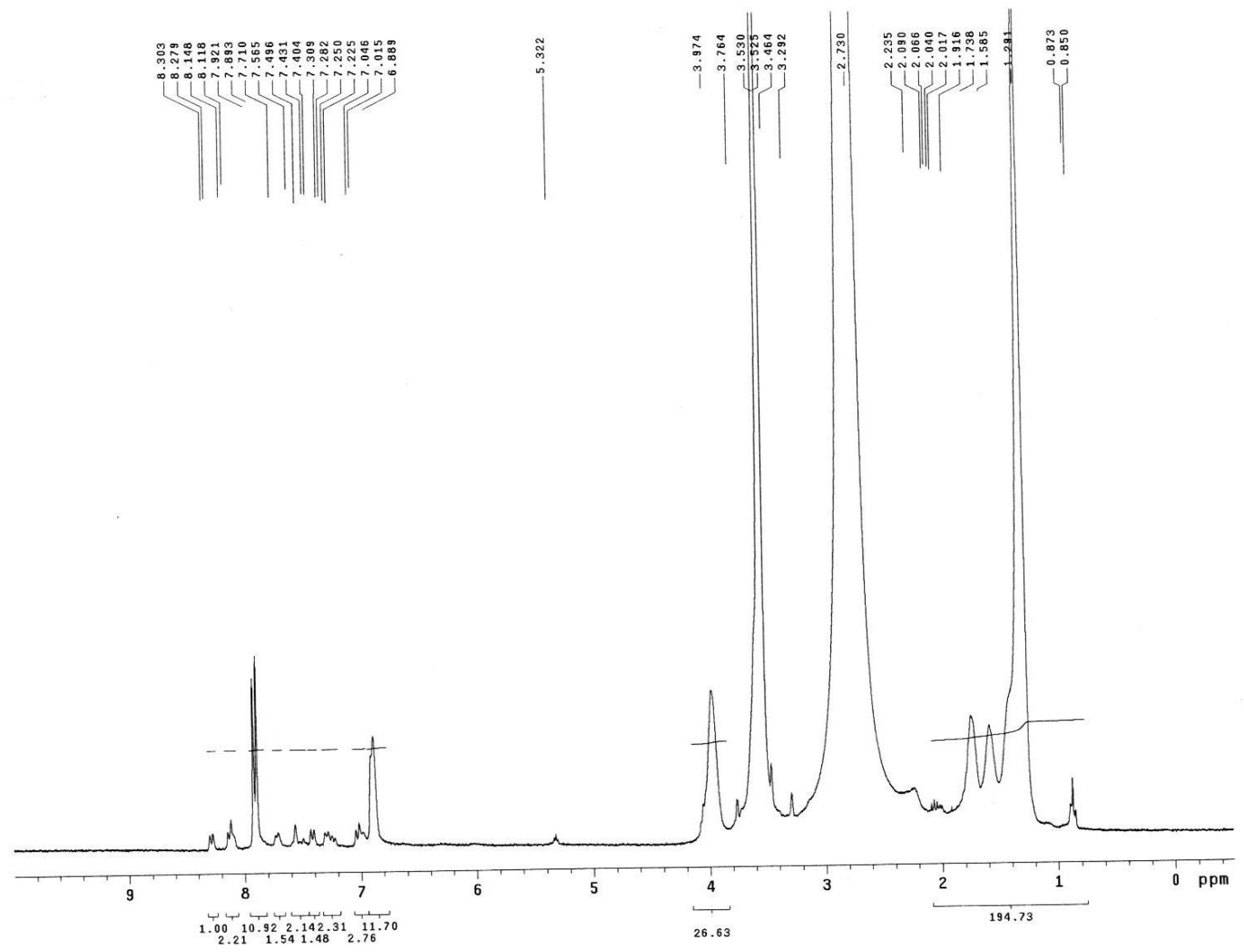


Fig.28 ^1H NMR spectrum of HA10C1

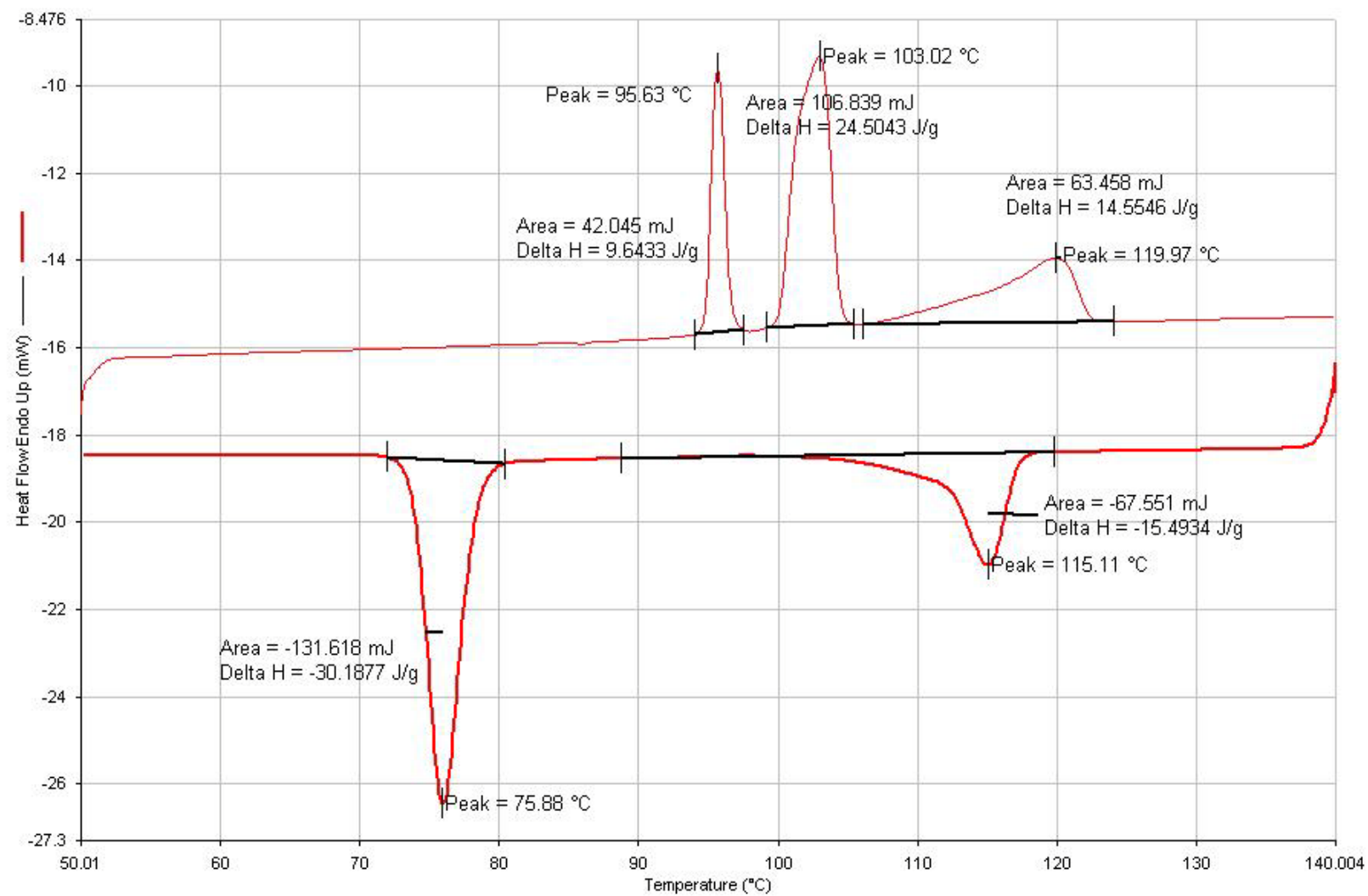


Fig.29 Differential scanning calorimetry thermograms of **BiphPEO** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

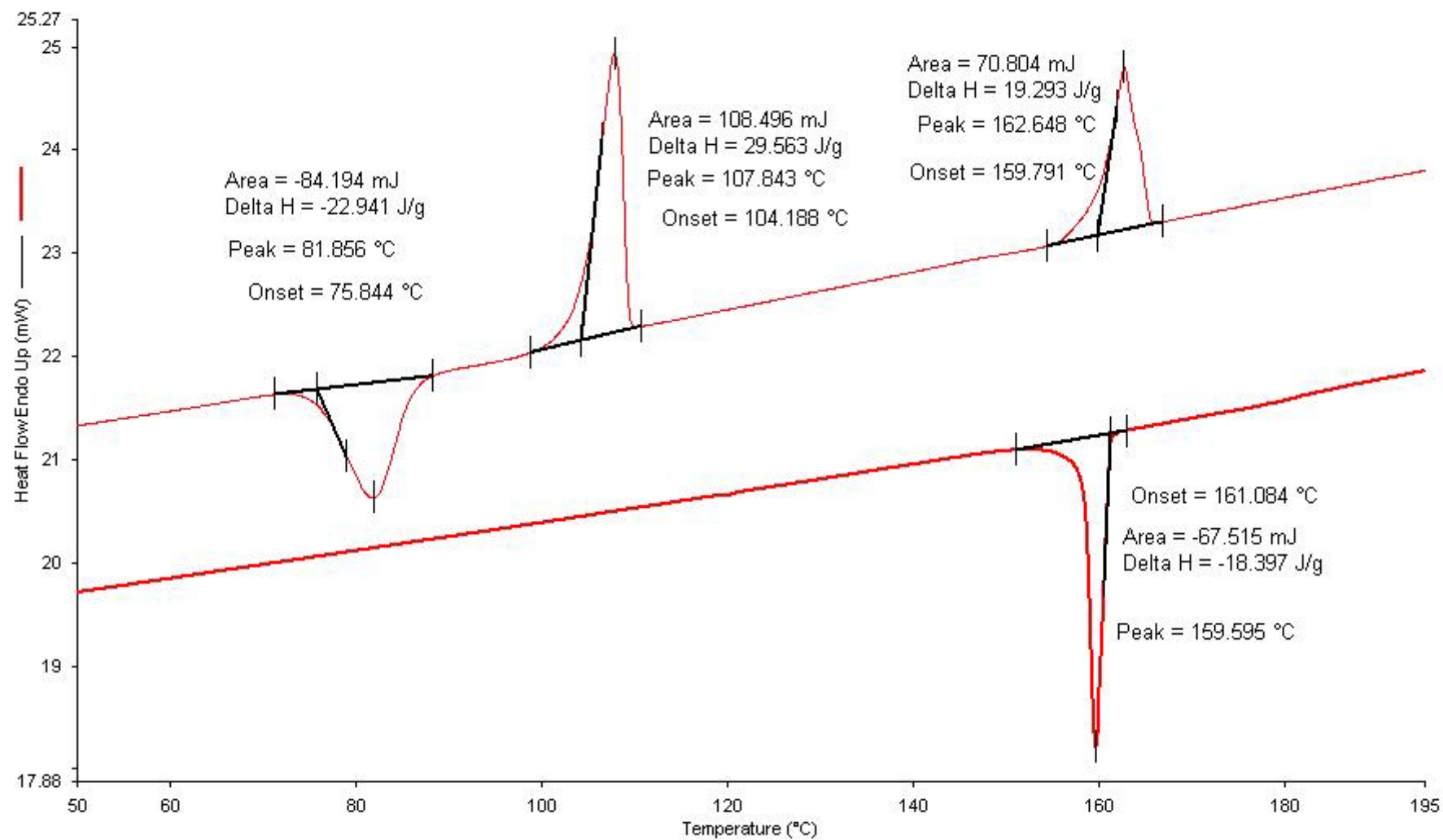


Fig.30 Differential scanning calorimetry thermograms of **Biphenylamine** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

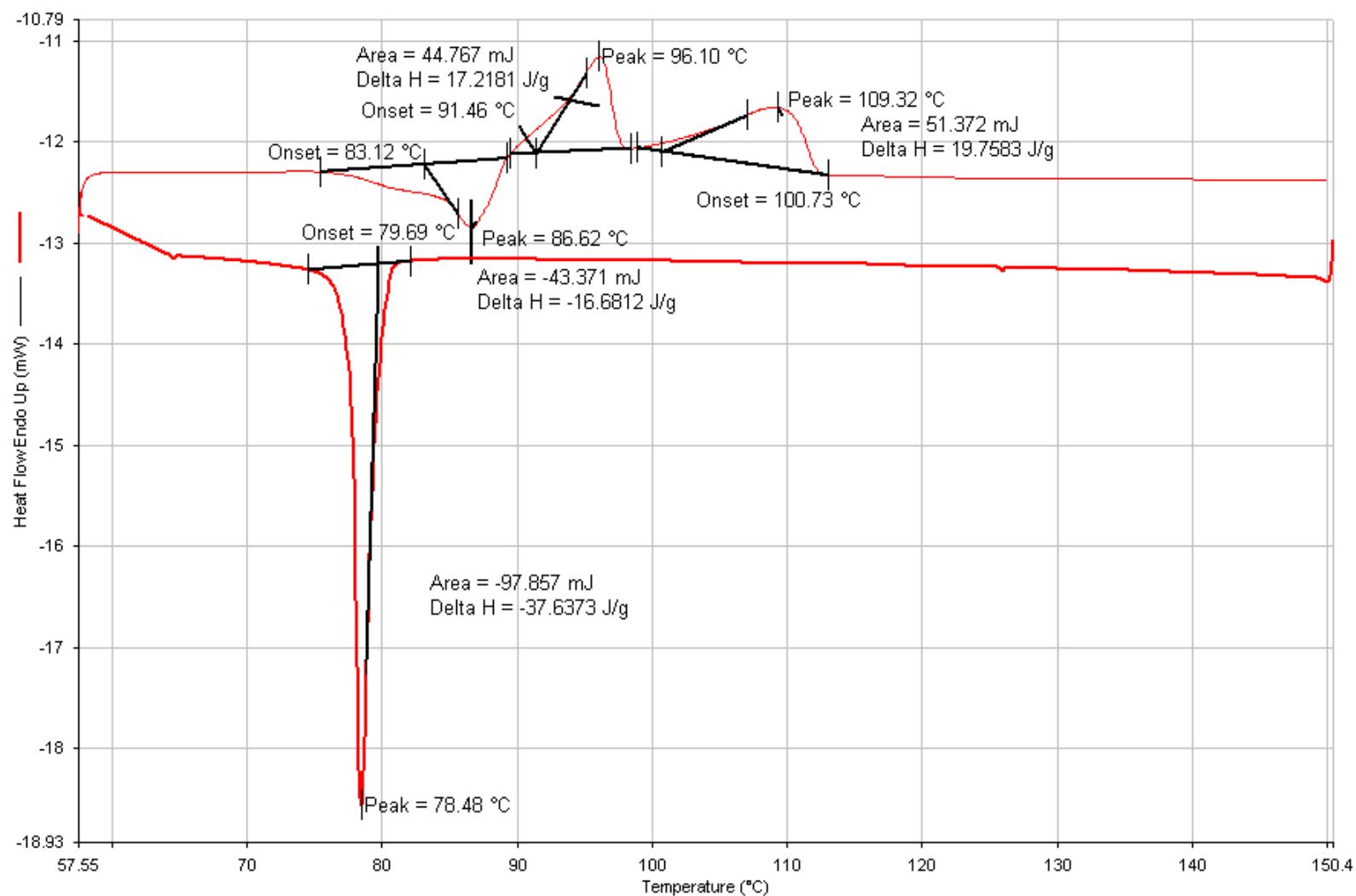


Fig.31 Differential scanning calorimetry thermograms of **H12BAN** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

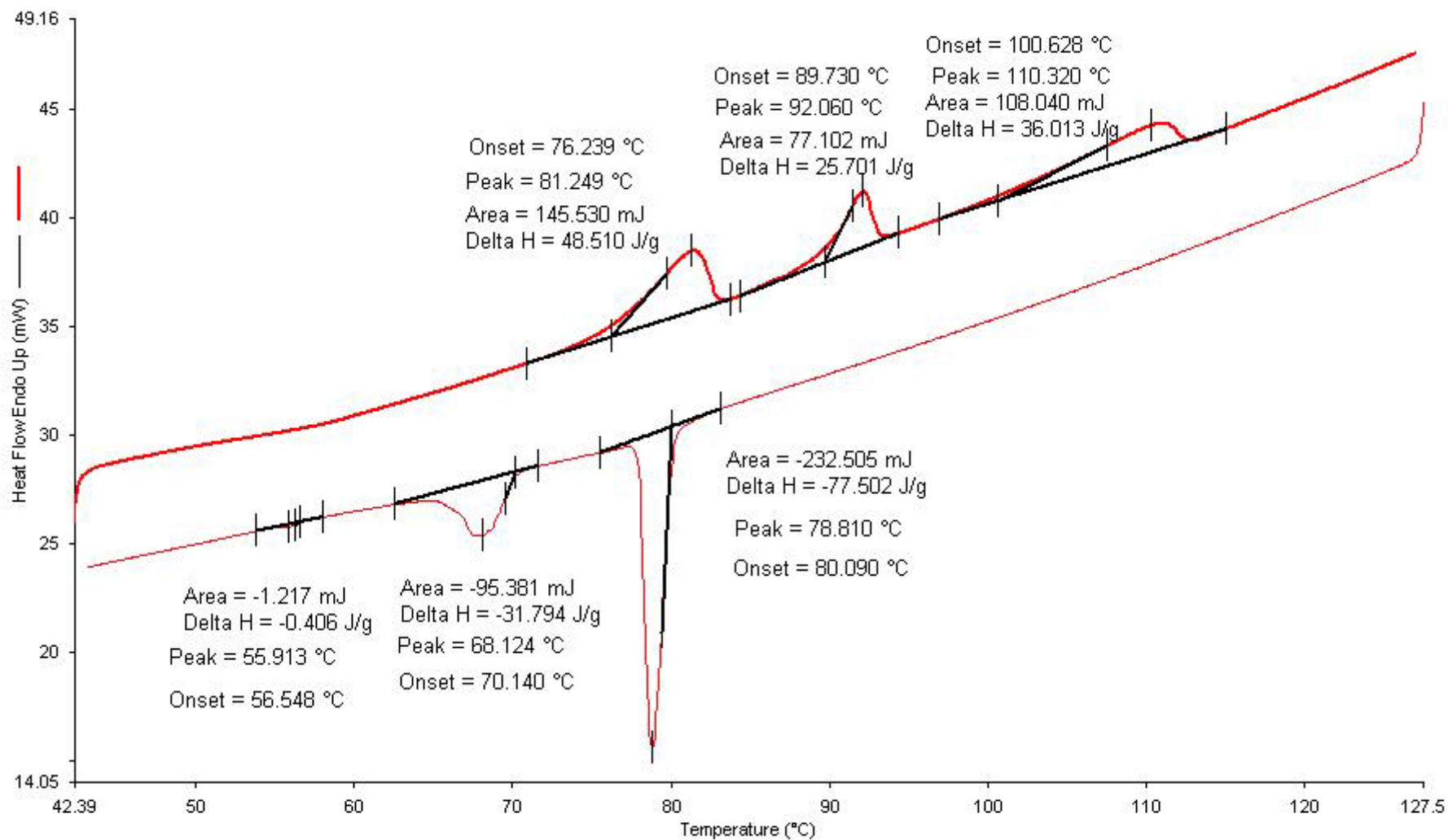


Fig.32 Differential scanning calorimetry thermograms of **AC12BAN** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

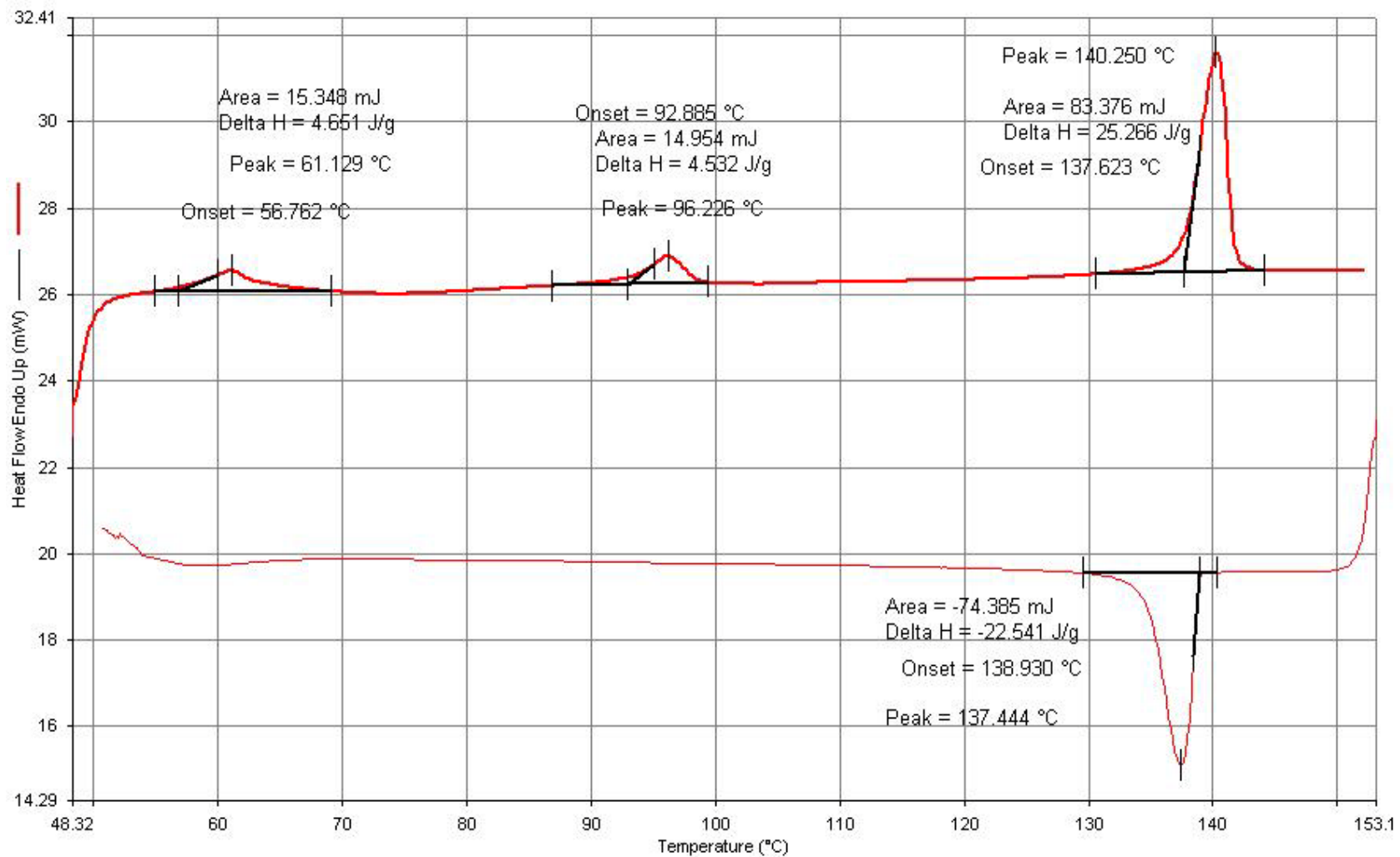


Fig.33 Differential scanning calorimetry thermograms of **MACBiph6** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

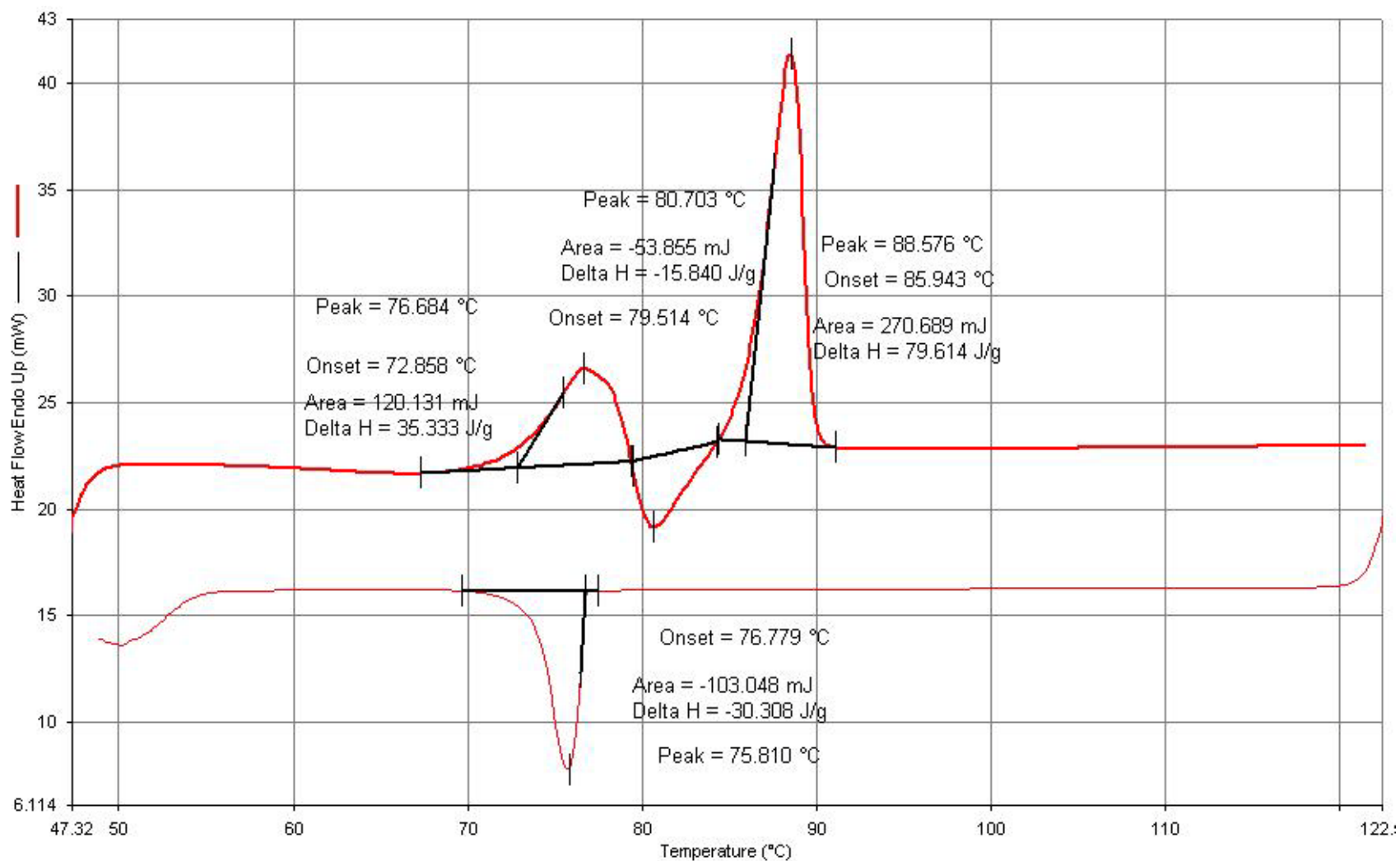


Fig.34 Differential scanning calorimetry thermograms of **ACBiph5** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

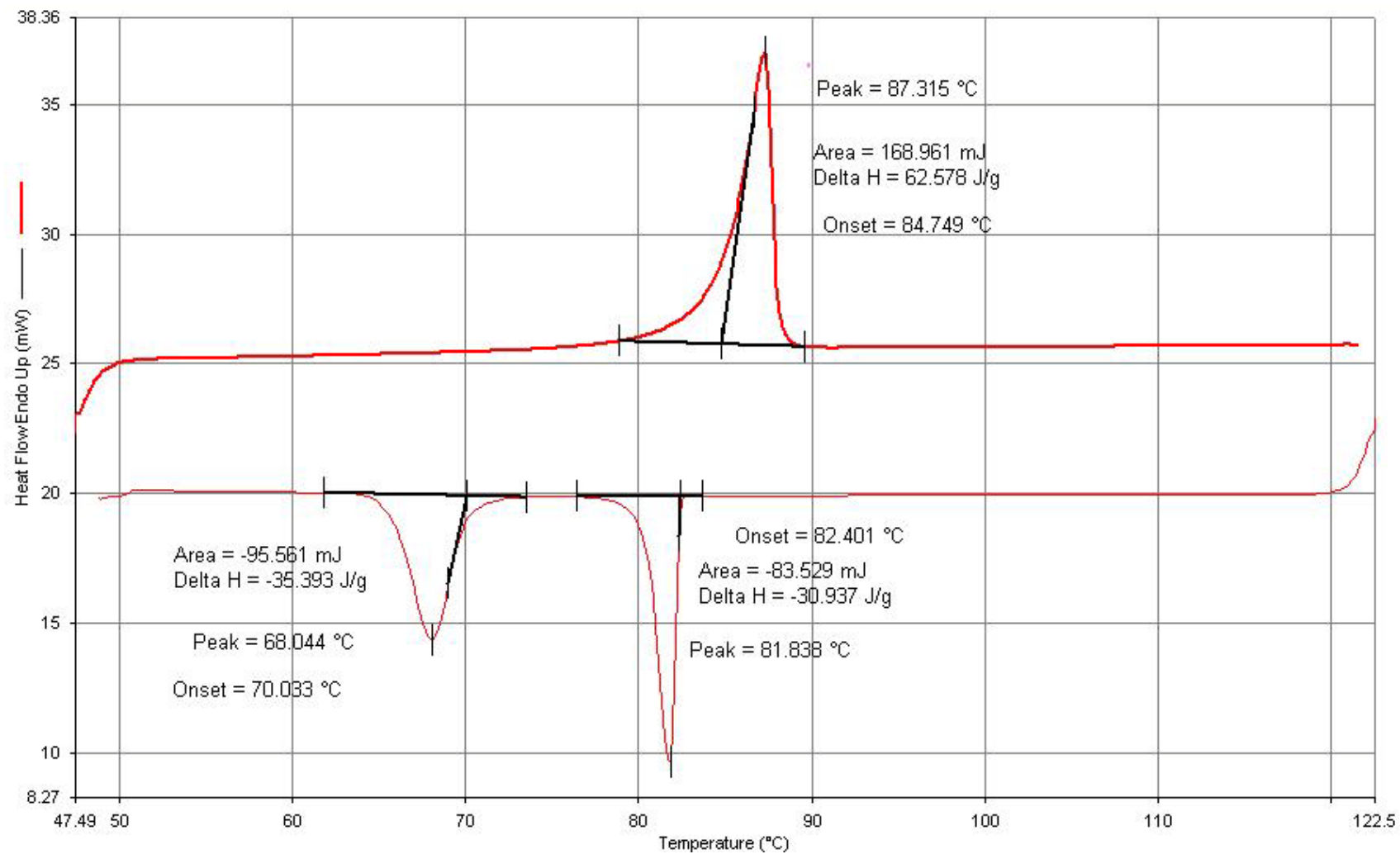


Fig.35 Differential scanning calorimetry thermograms of **ACBenz5** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

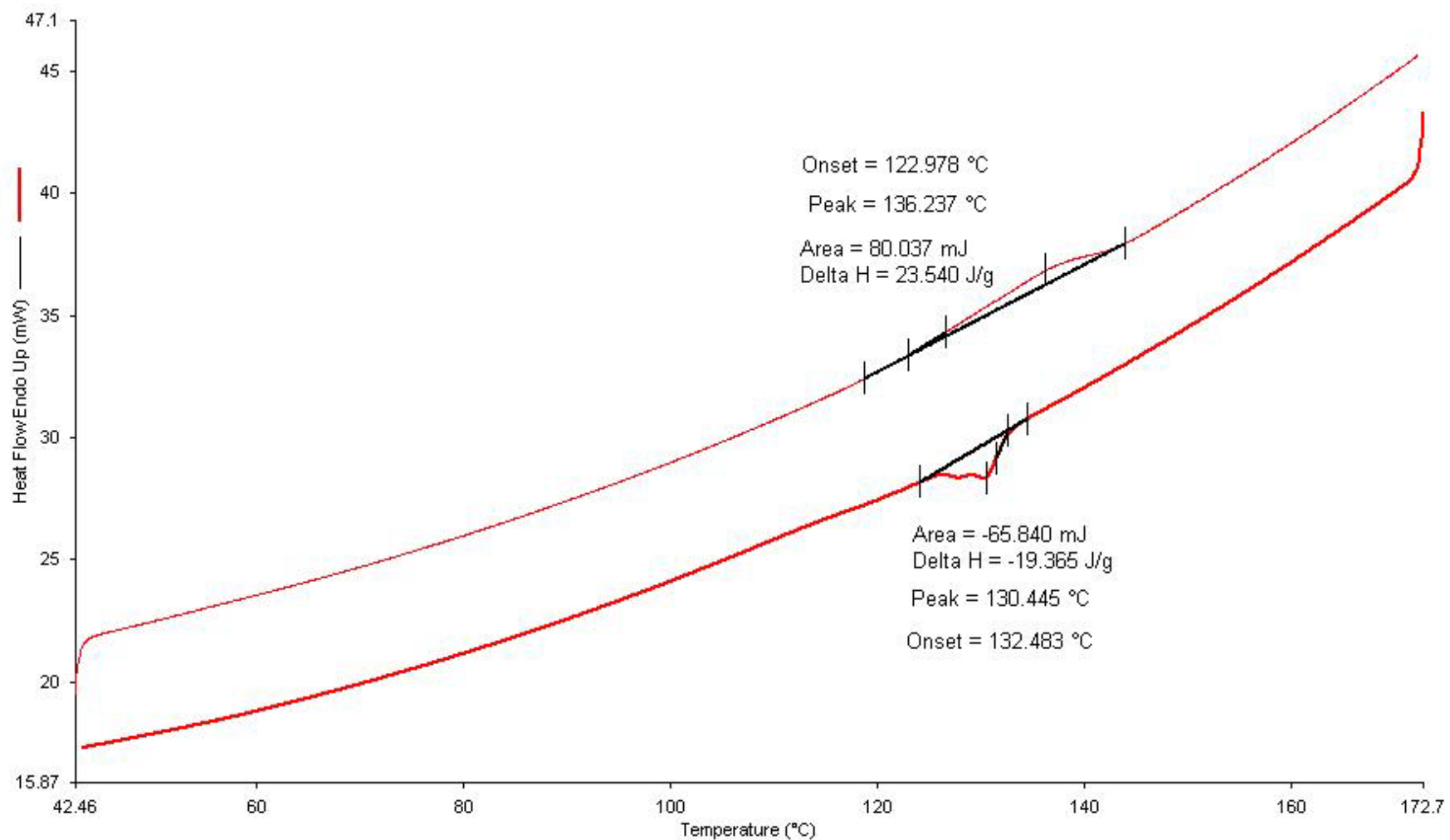


Fig.36 Differential scanning calorimetry thermograms of **HA0B1** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

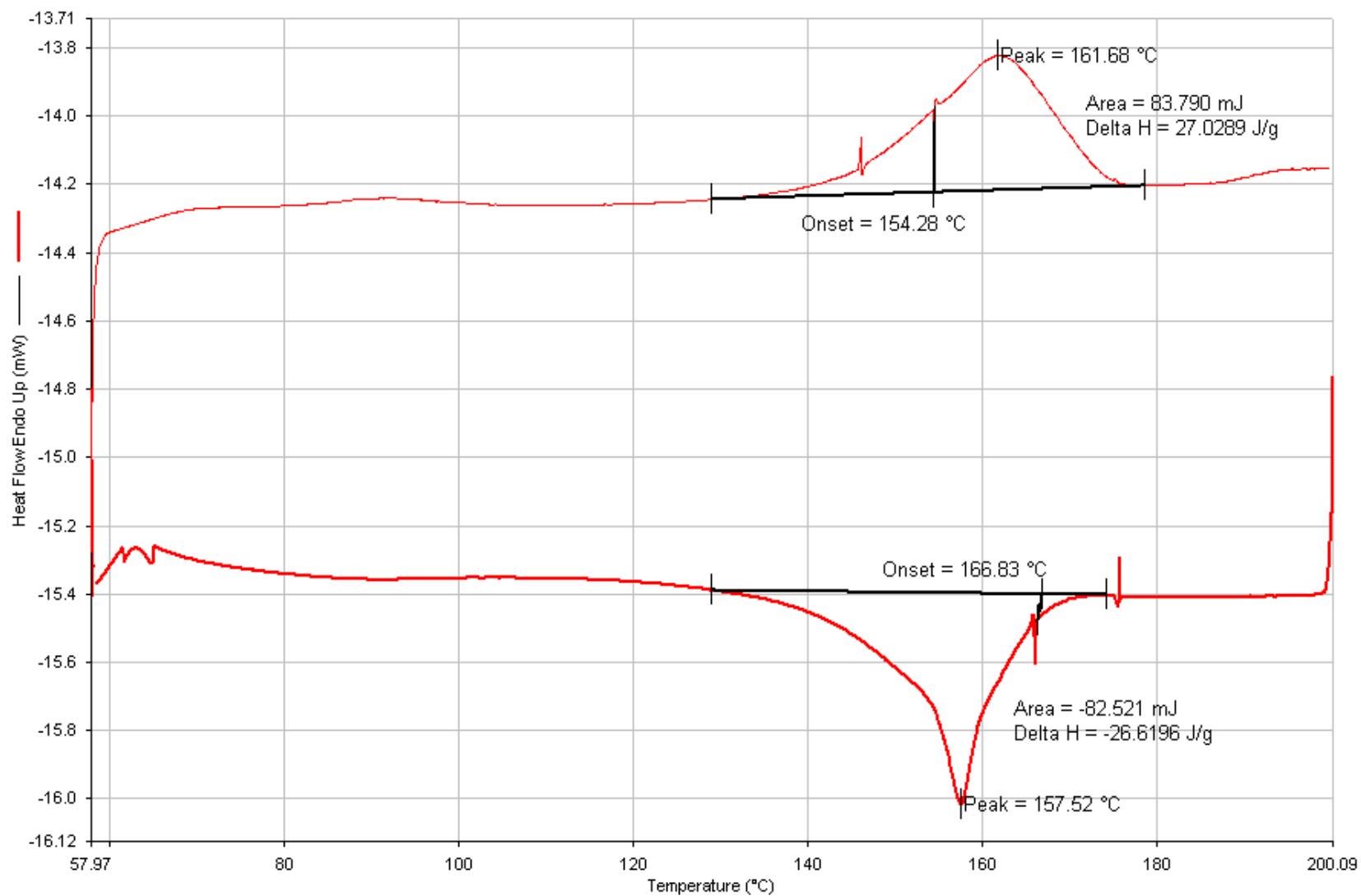


Fig.37 Differential scanning calorimetry thermograms of **HA1B0** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

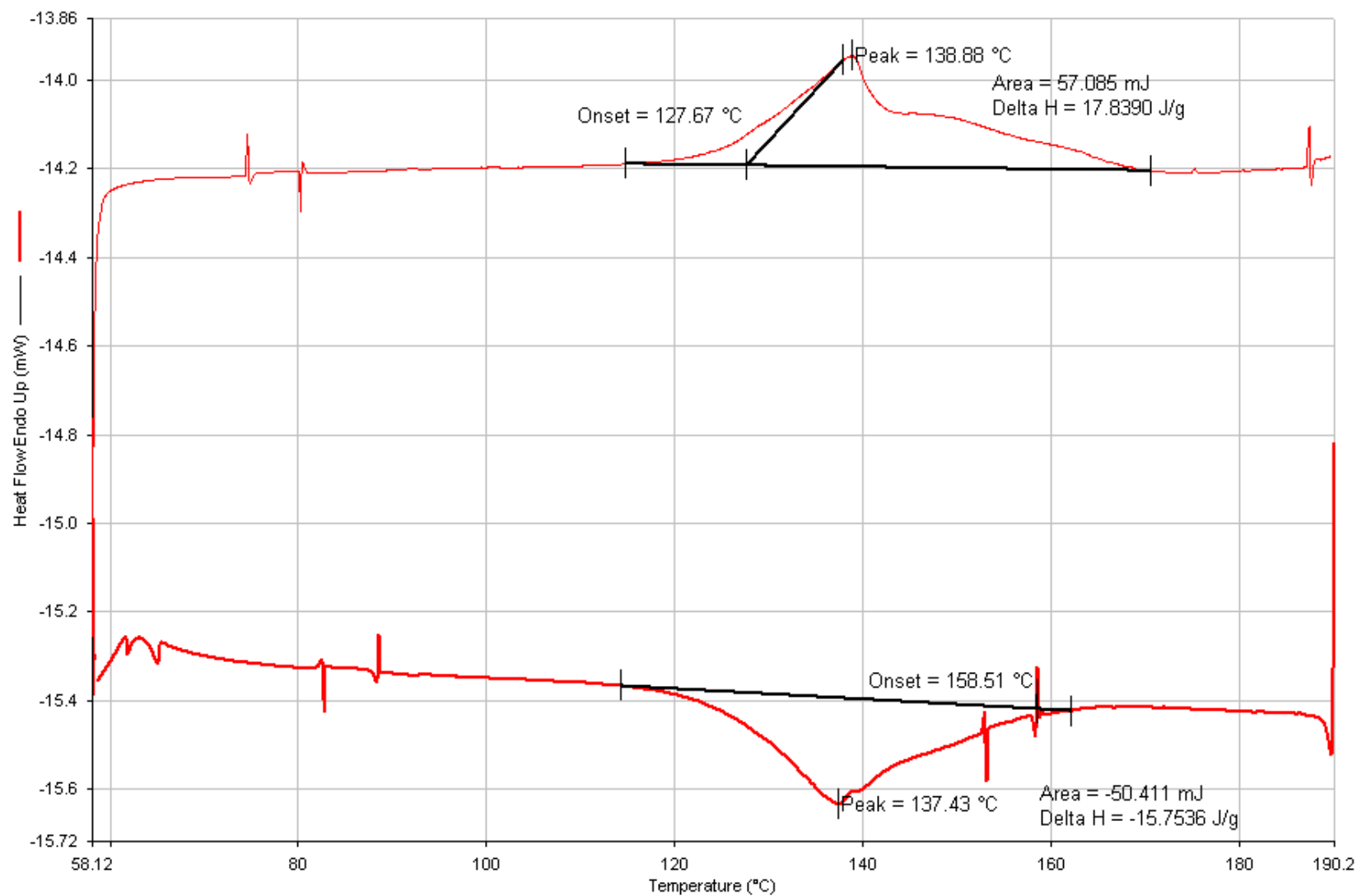


Fig.38 Differential scanning calorimetry thermograms of **CA10B1** at heating and cooling rate of 10 °C min⁻¹.

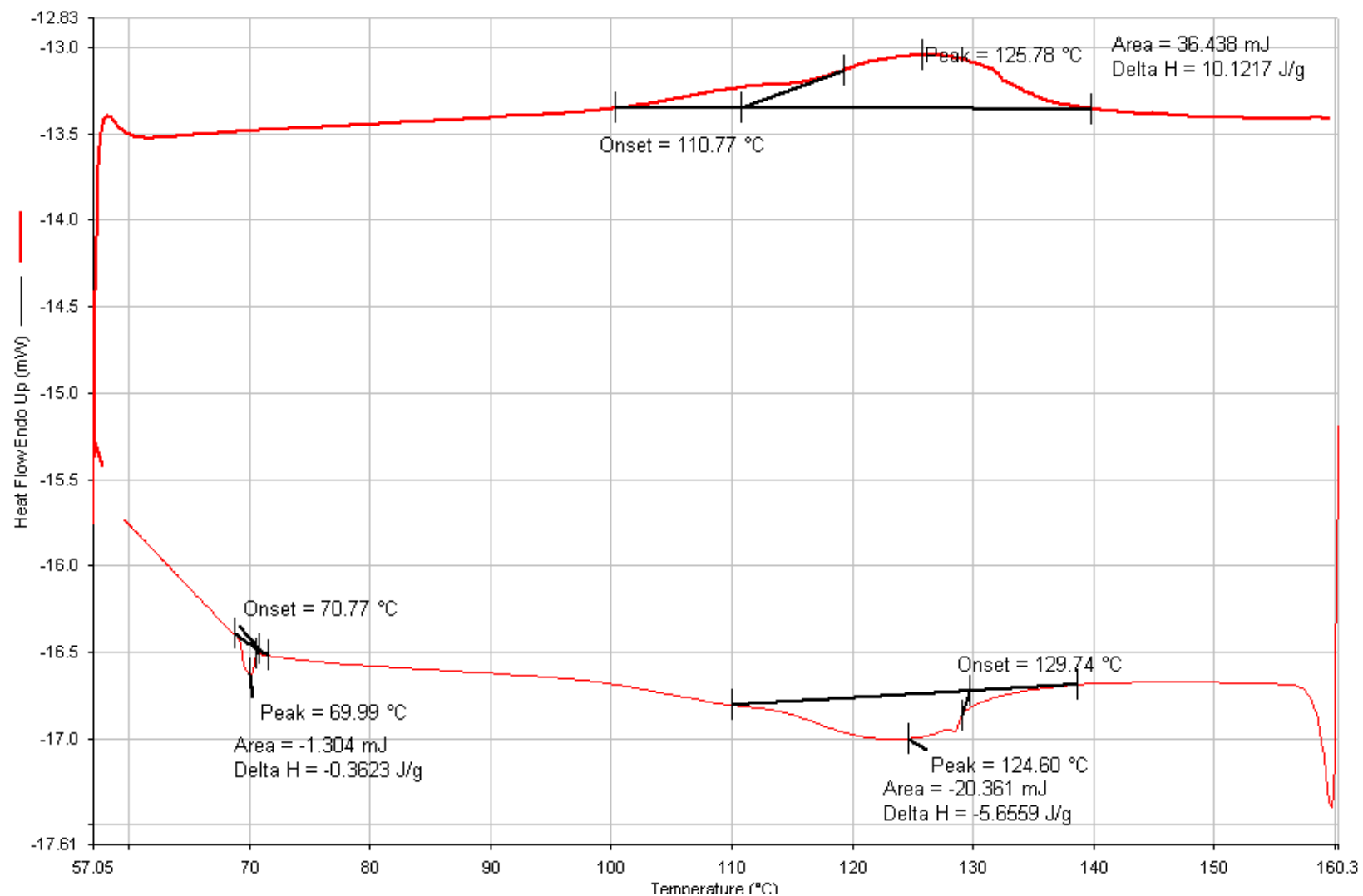


Fig.39 Differential scanning calorimetry thermograms of **CA4B1** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

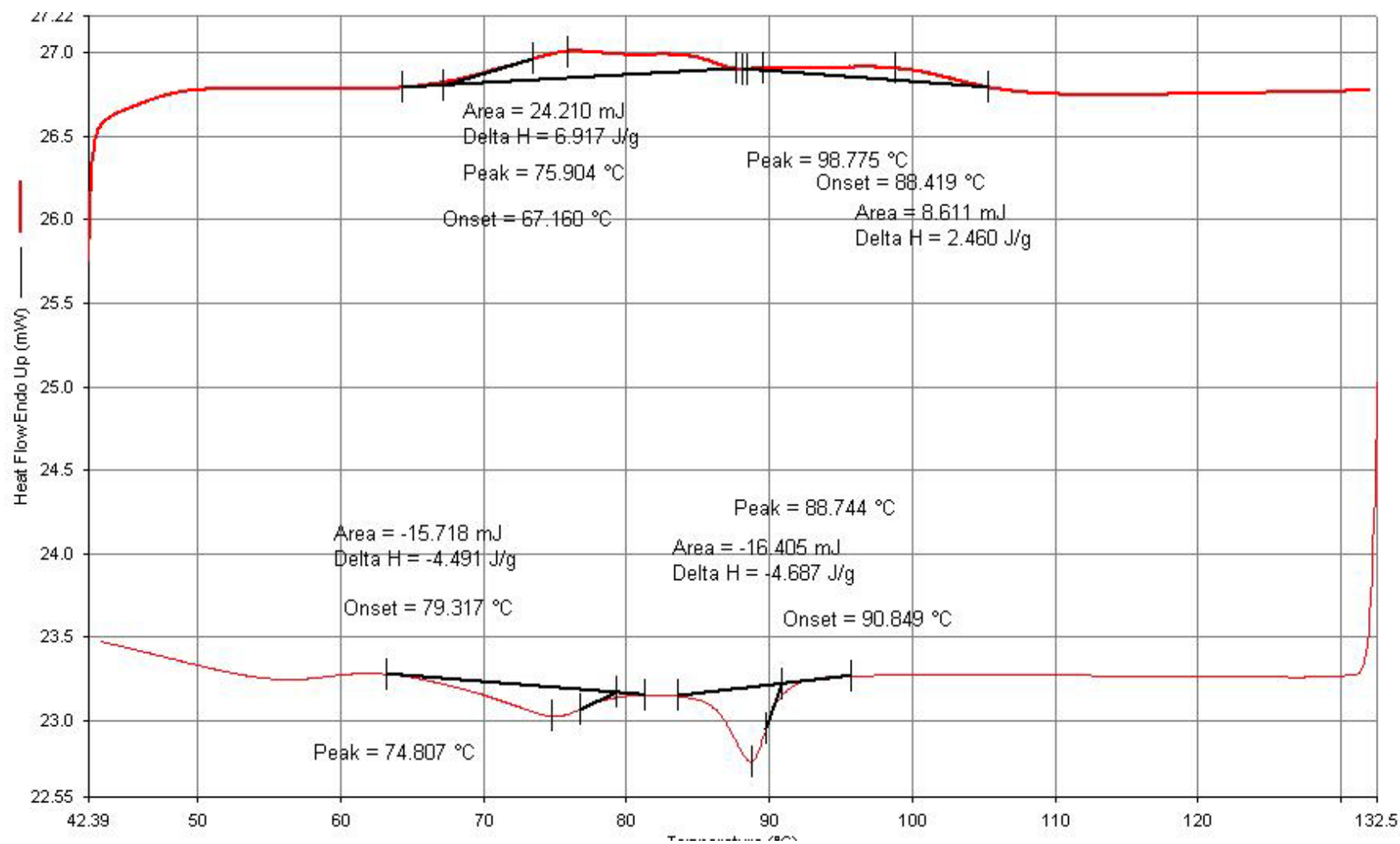


Fig.40 Differential scanning calorimetry thermograms of **CA1B3.5** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

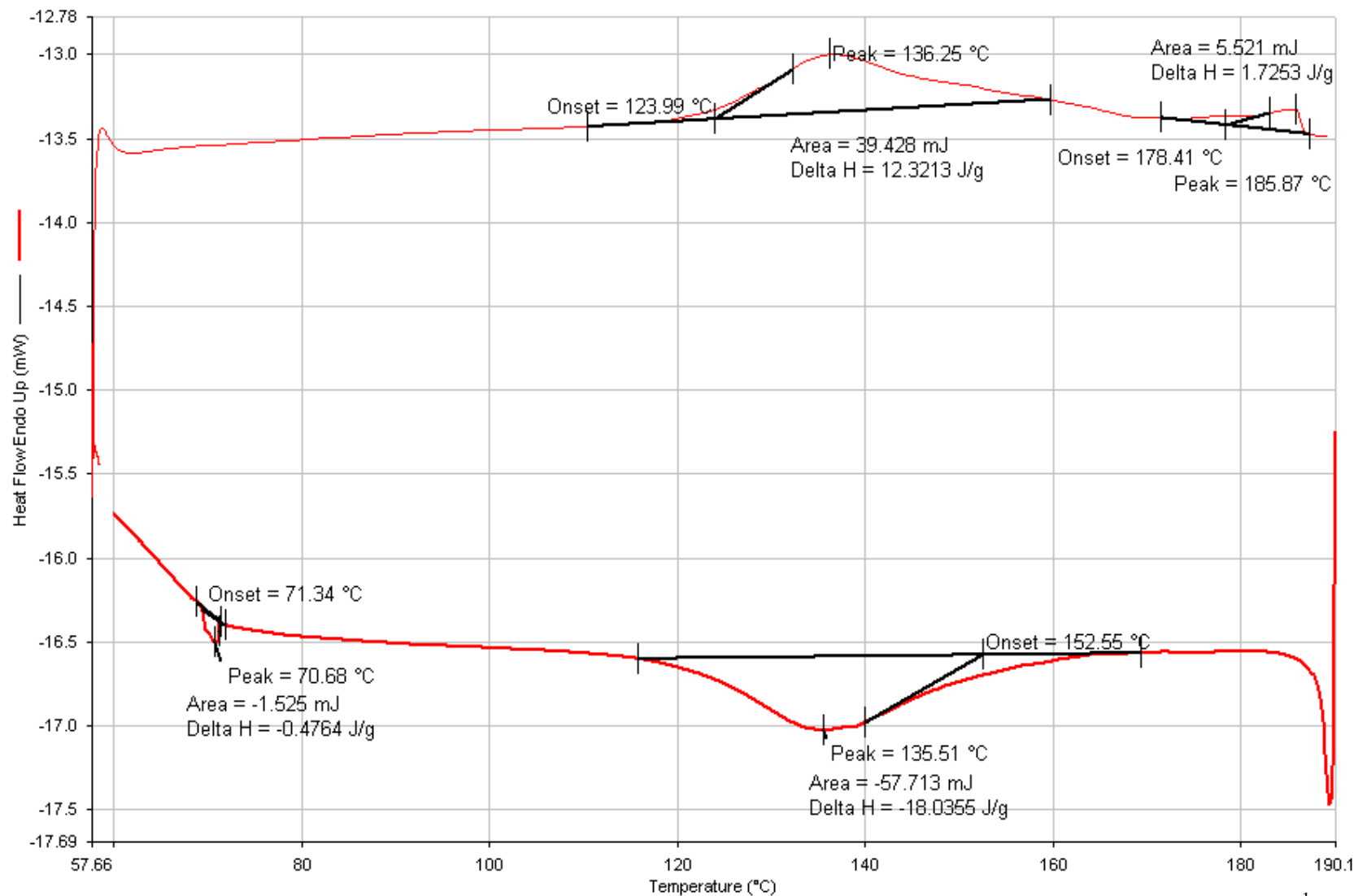


Fig.41 Differential scanning calorimetry thermograms of **CA10C1** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

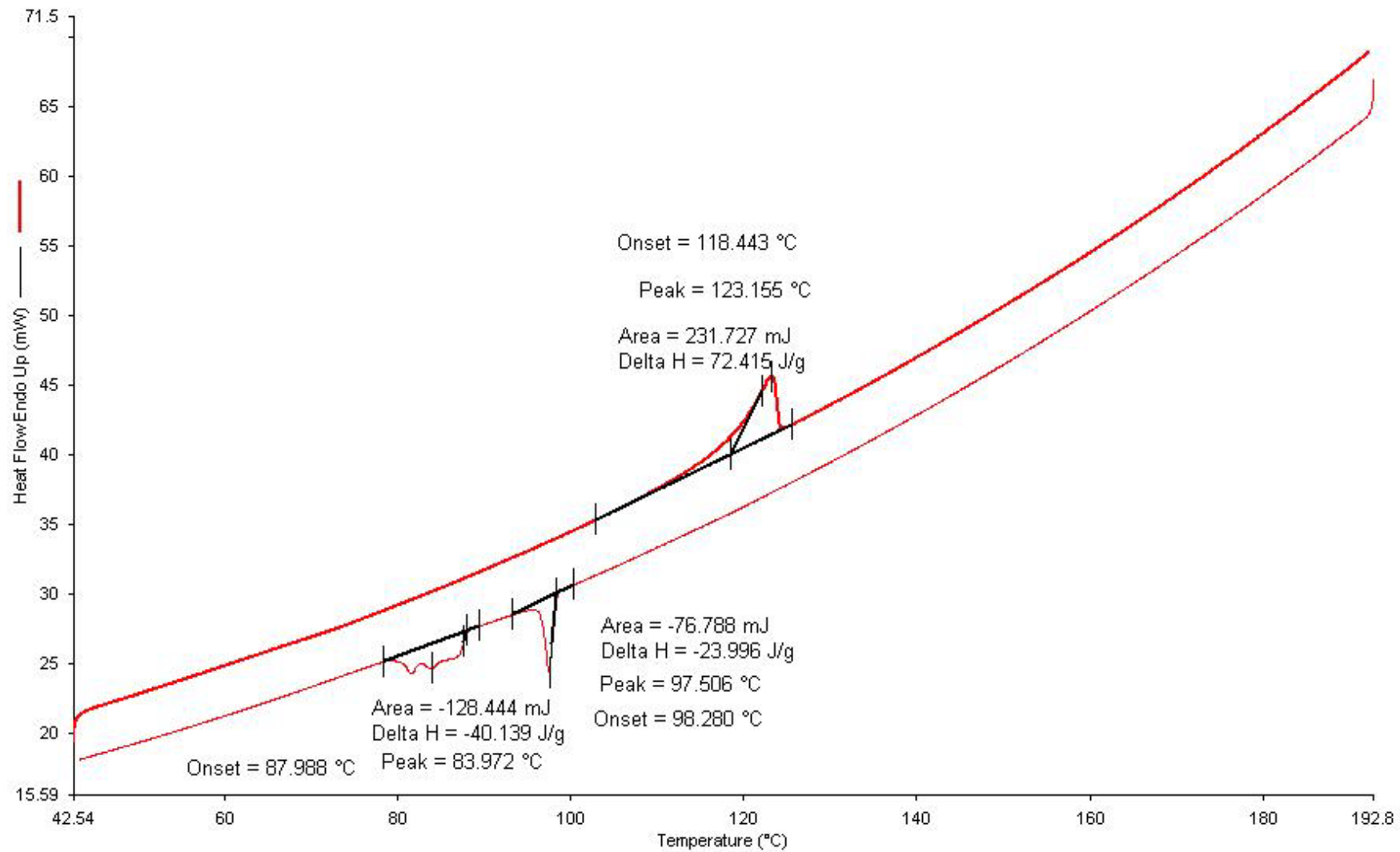


Fig.42 Differential scanning calorimetry thermograms of **HA1B0N** at heating and cooling rate of 10 °C min⁻¹.

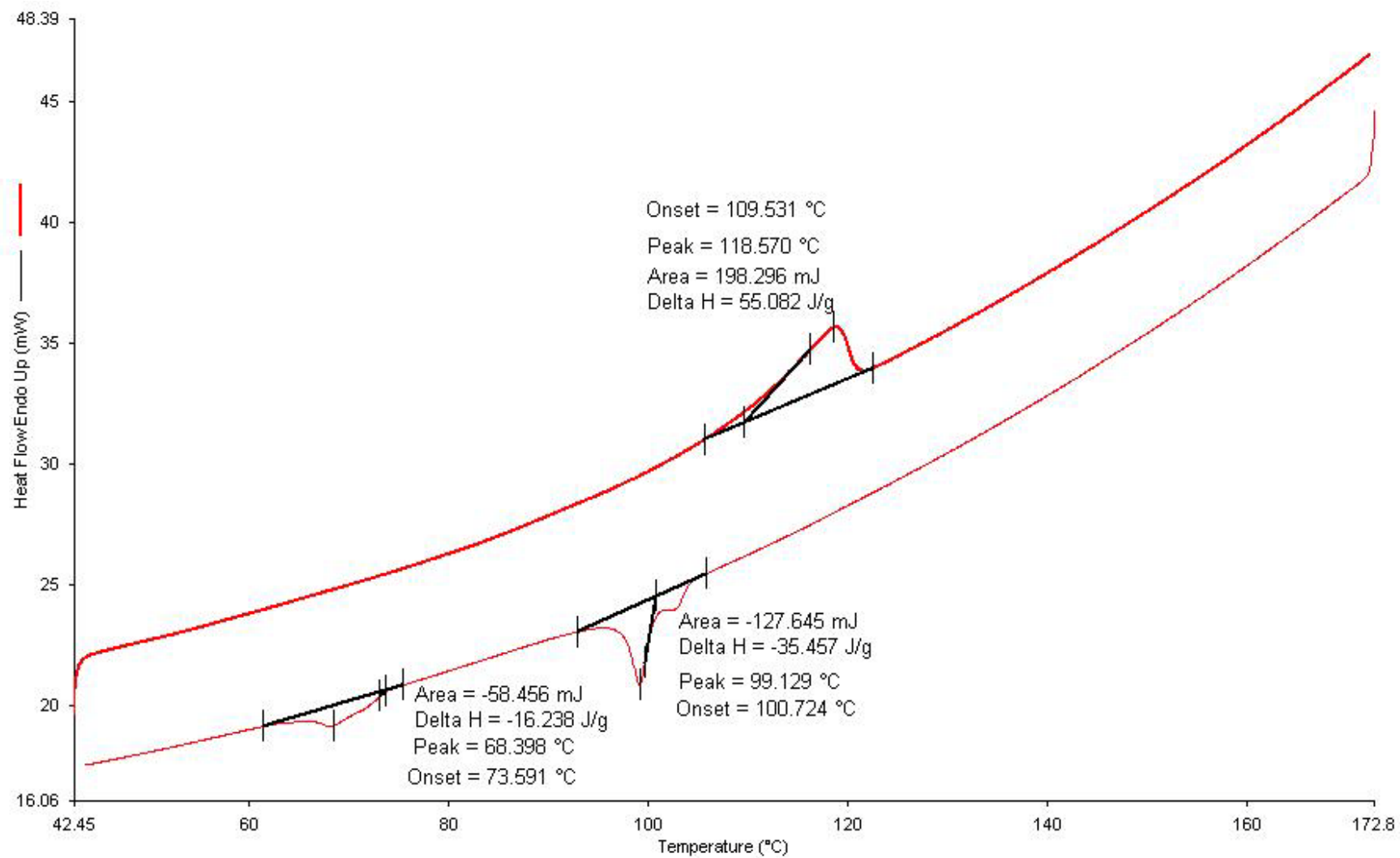


Fig.43 Differential scanning calorimetry thermograms of **CA10B1N** at heating and cooling rate of 10 °C min⁻¹.

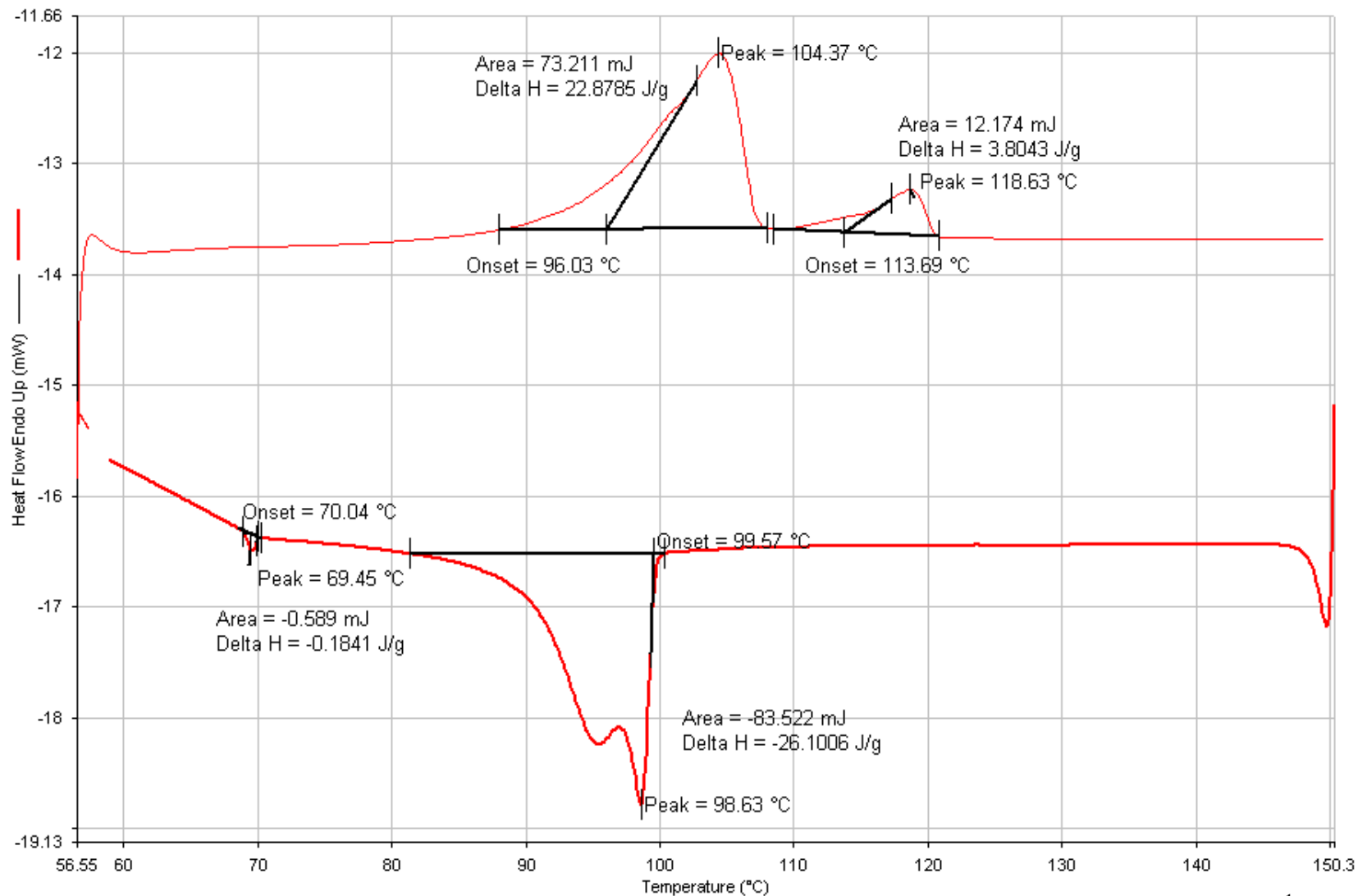


Fig.44 Differential scanning calorimetry thermograms of CA4B1N at heating and cooling rate of 10 °C min⁻¹.

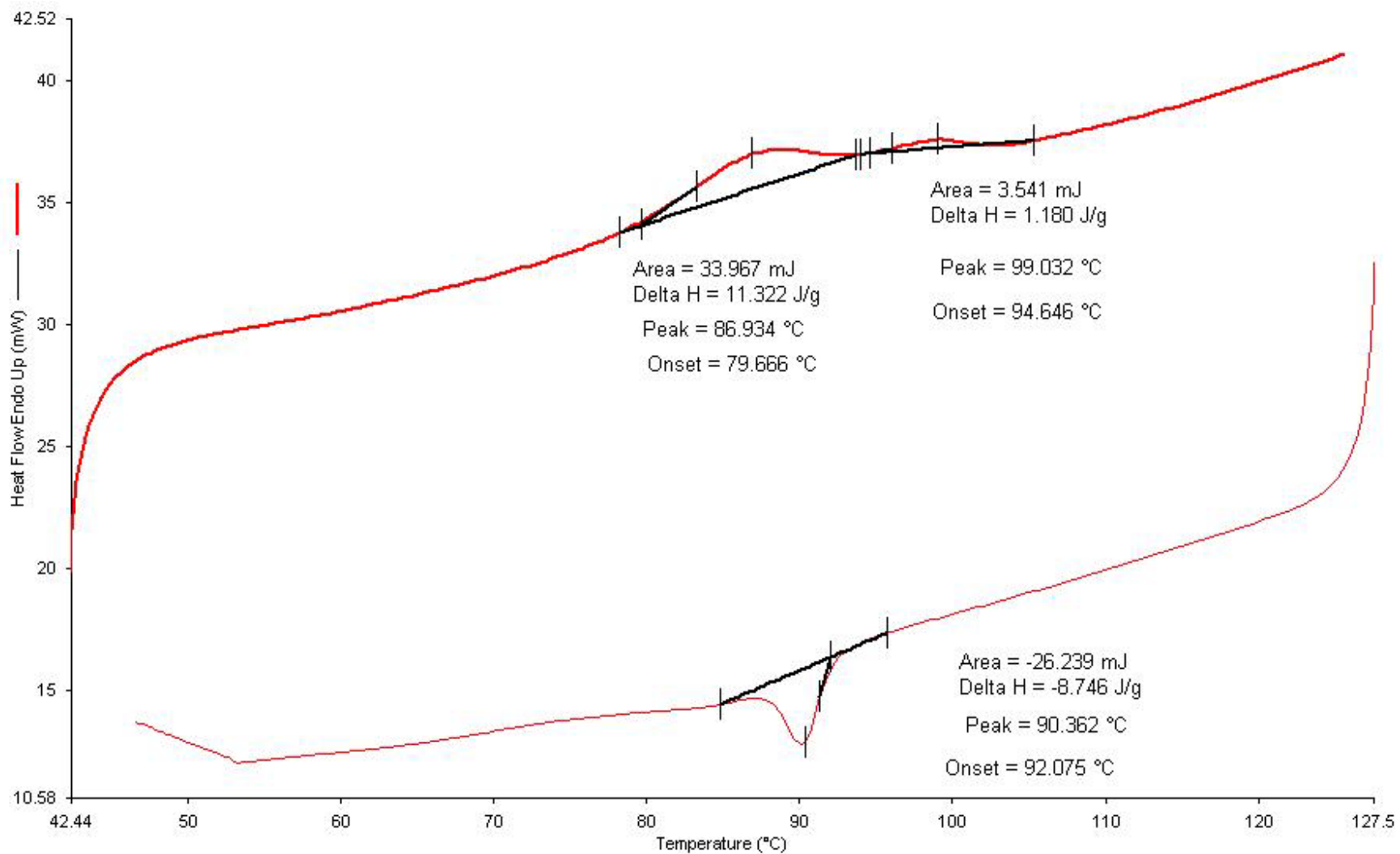


Fig.45 Differential scanning calorimetry thermograms of **CA1B3.5N** at heating and cooling rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

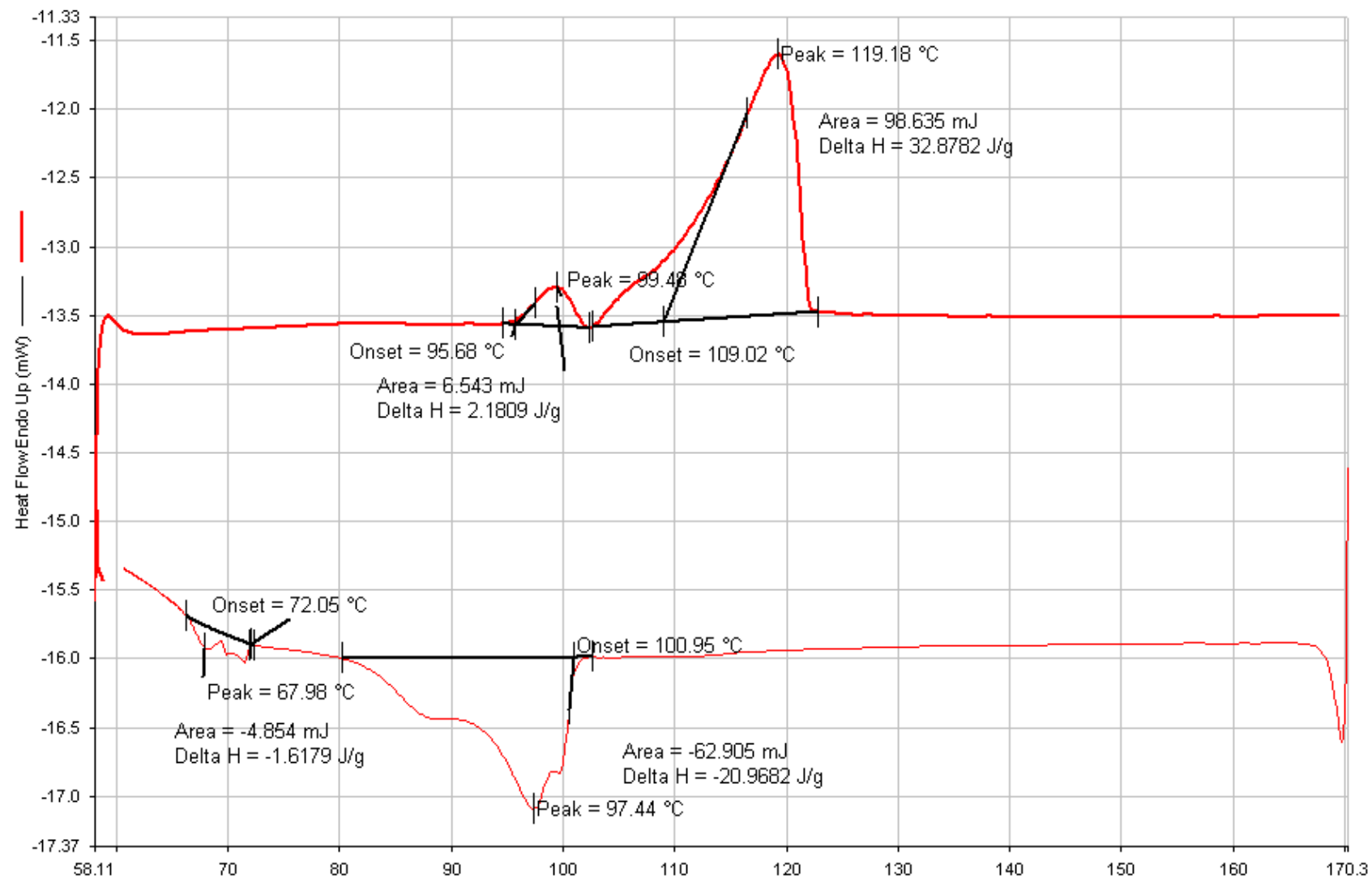


Fig.46 Differential scanning calorimetry thermograms of CA10C1N at heating and cooling rate of 10 °C min⁻¹