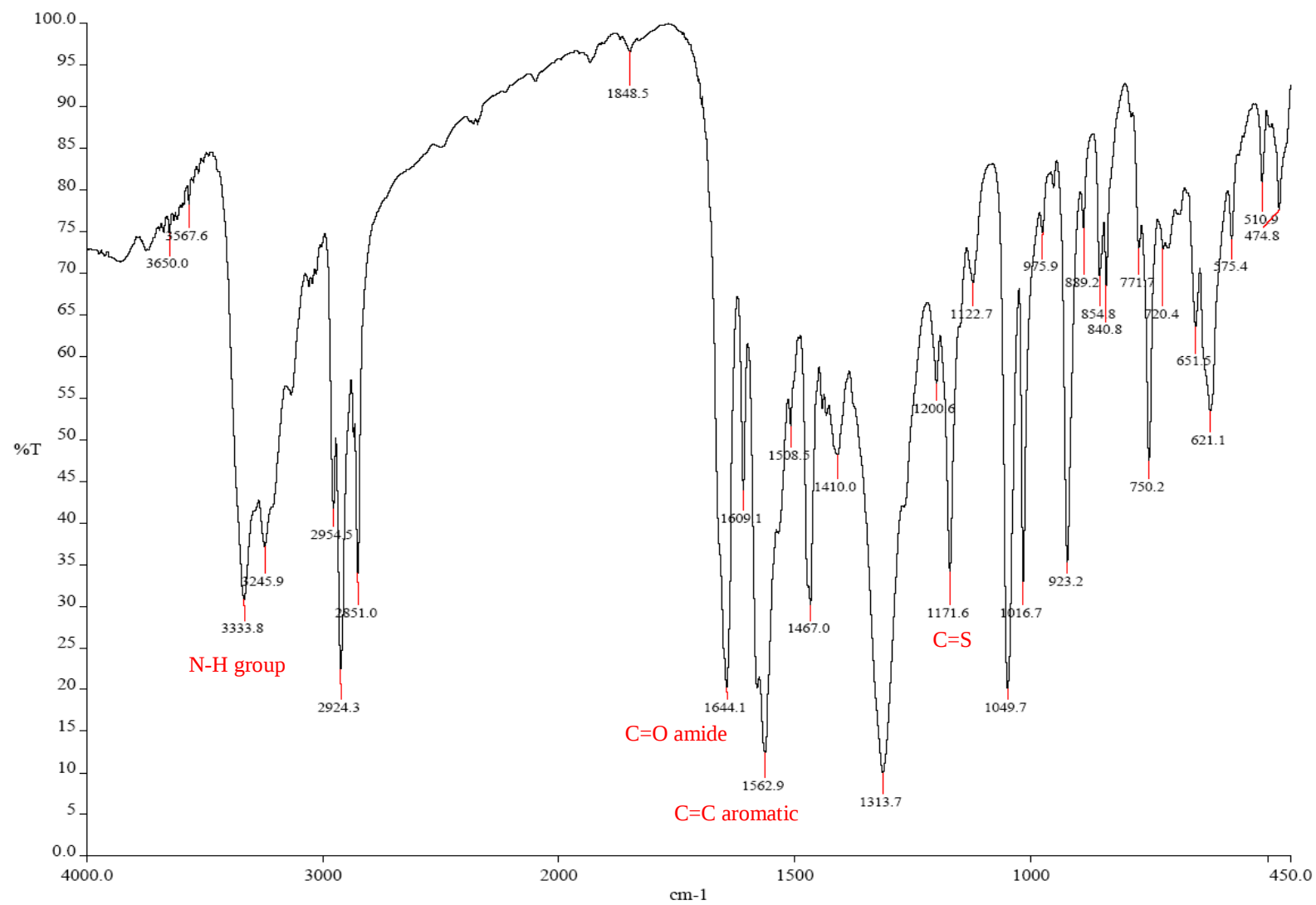


Figure S1. IR Spectrum of 1-(4-hexylbenzoyl)-3-methylthiourea (compound 3)



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Figure S2. ^1H -NMR Spectrum of 1-(4-hexylbenzoyl)-3-methylthiourea (compound **3**)

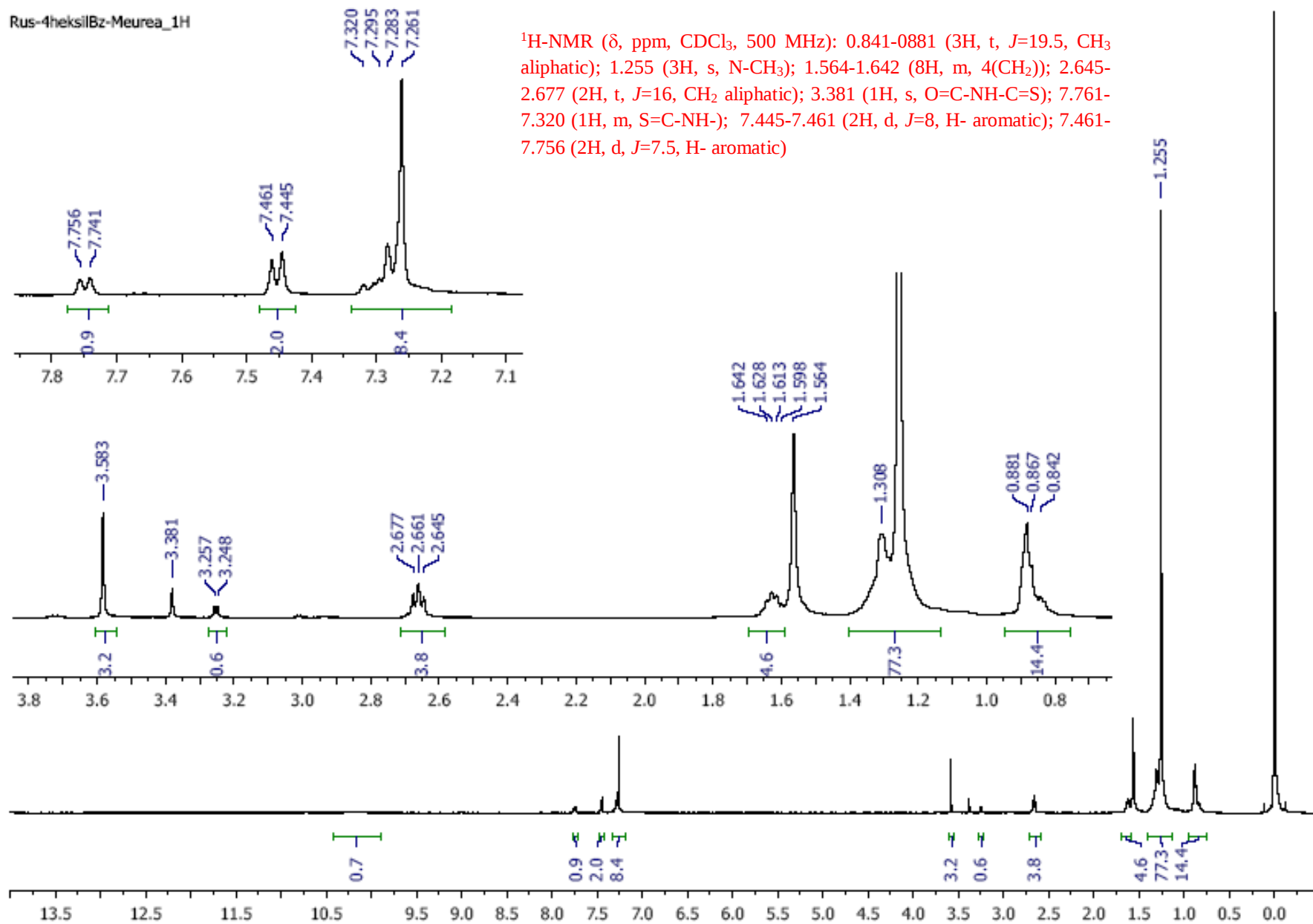
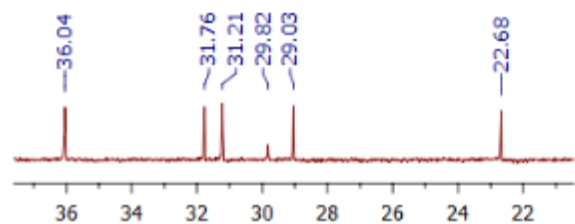


Figure S3. ^{13}C -NMR Spectrum of 1-(4-hexylbenzoyl)-3-methylthiourea (compound 3)

Ruswanto-heksil_13C



^{13}C -NMR (δ , ppm, $\text{CHCl}_3\text{-DD}_2$, 125 MHz): 14.19; 22.68; 29.03; 31.21; 31.76; 36.04 (C, Hexyl); 42.34 (1C, $-\text{CH}_3$); 127.54 (2C, aromatic); 128.85 (2C, aromatic); 132.74 (1C, aromatic), 147.57 (1C, aromatic); 174.84 (1C, $-\text{C}=\text{O}$), 186.73 (1C, $-\text{C}=\text{S}$)

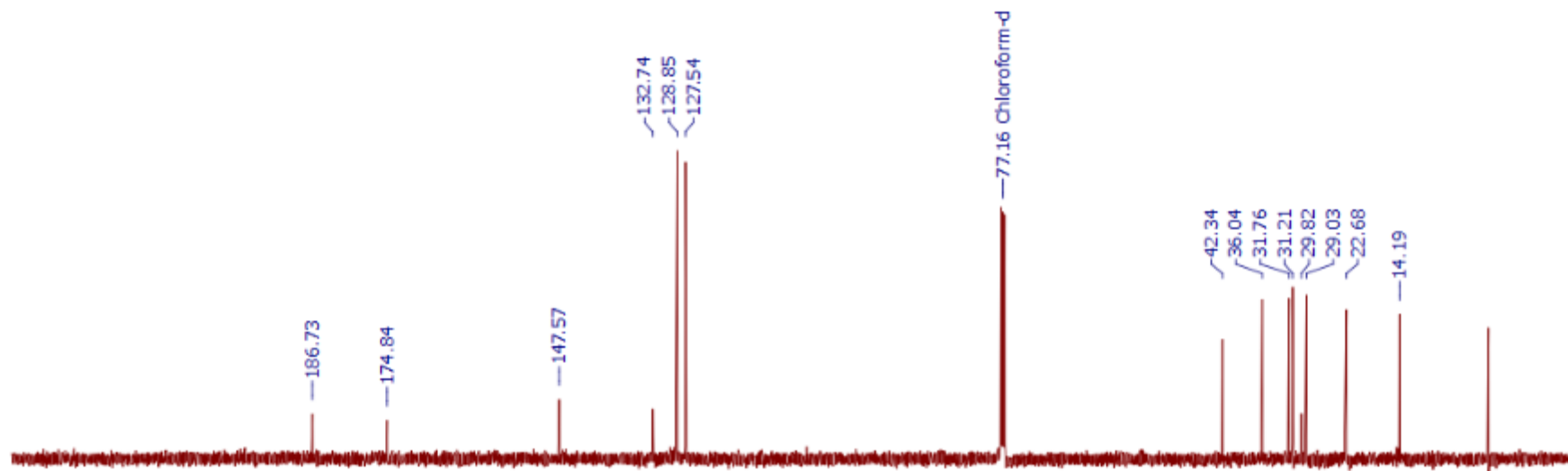


Figure S4. Mass Spectrum of 1-(4-hexylbenzoyl)-3-methylthiourea (compound 3)

Single Mass Analysis

Tolerance = 10.0 mDa / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 5

Monoisotopic Mass, Even Electron Ions

1553 formula(e) evaluated with 22 results within limits (up to 5 closest results for each mass)

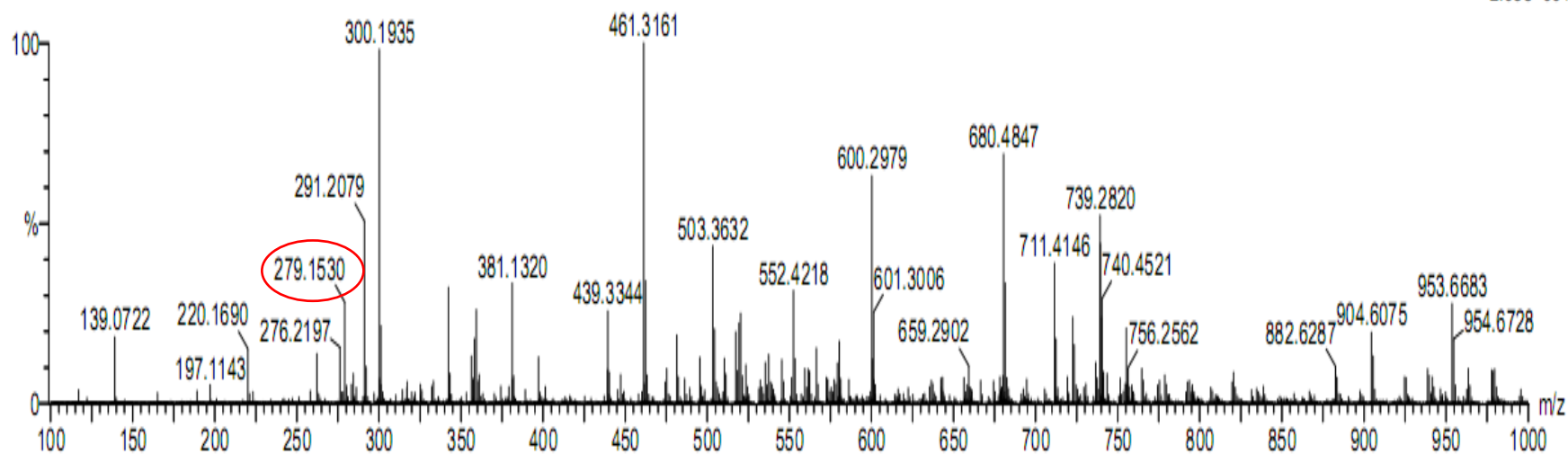
Elements Used:

C: 0-1000 H: 0-1000 N: 0-500 O: 0-500 S: 0-100

standard

R-hexyl_smp 279-1531_std 299-1283_pos 7 (0.111) Cm (7)

TOF MS ES+
2.05e+004



HRMS m/z ESI (M+H)⁺: experiment 279.1530