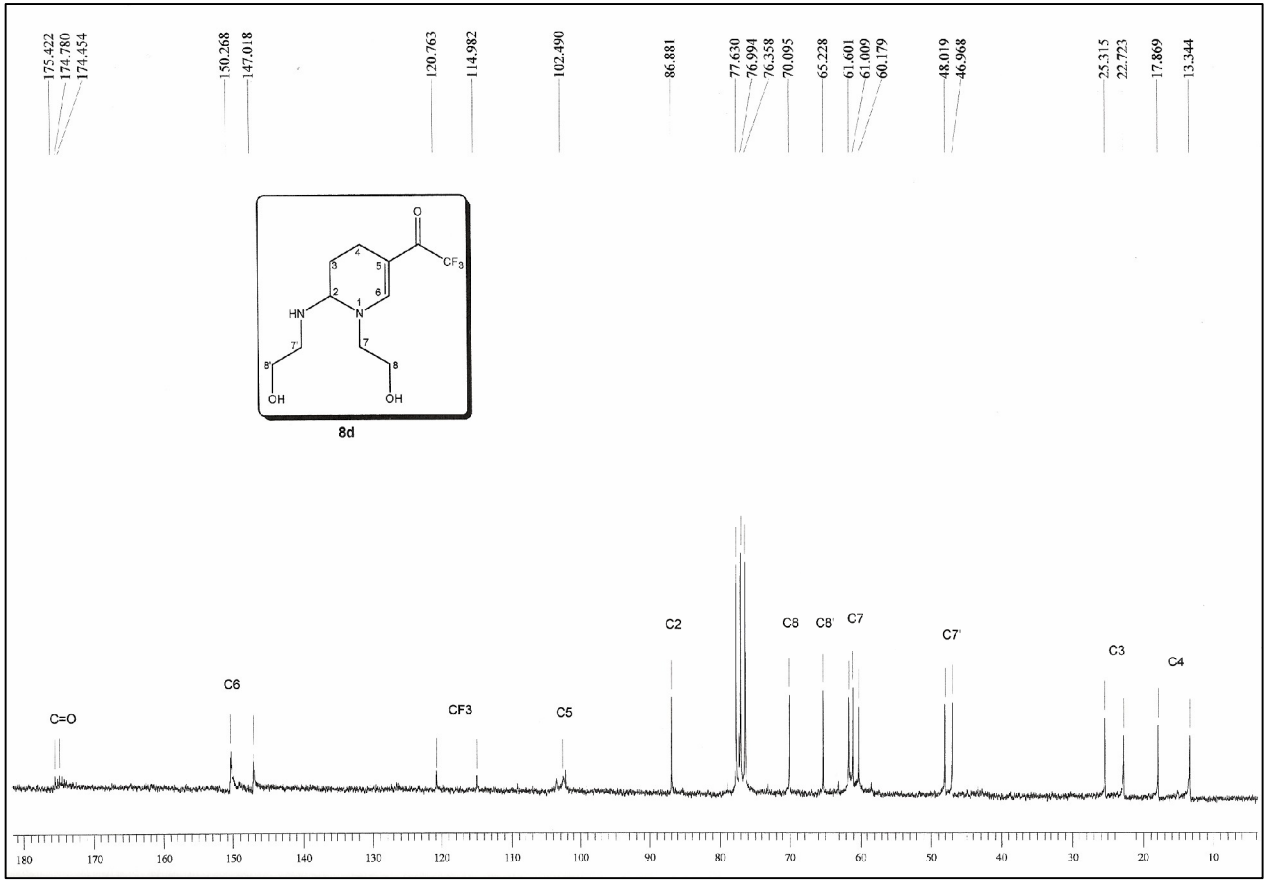


Figura 40: Espectro de ^{13}C {^{1}H} RMN a 50 MHz do composto **8d** em $CDCl_3$, duplicação de sinais devido à mistura entre as tetraidropiridinas mono e dissubstituídas.

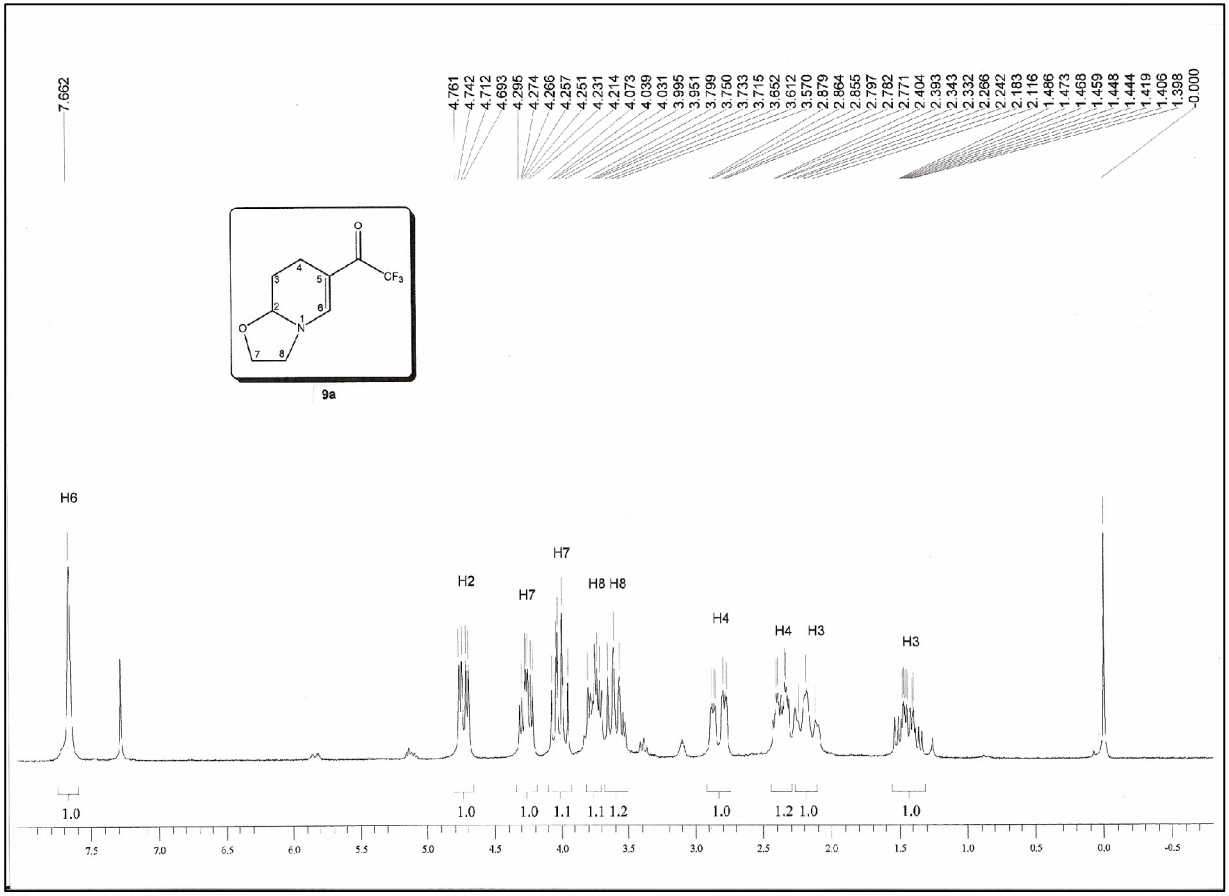


Figura 41: Espectro de ^{1}H RMN a 200 MHz do composto **9a** em $CDCl_3$.

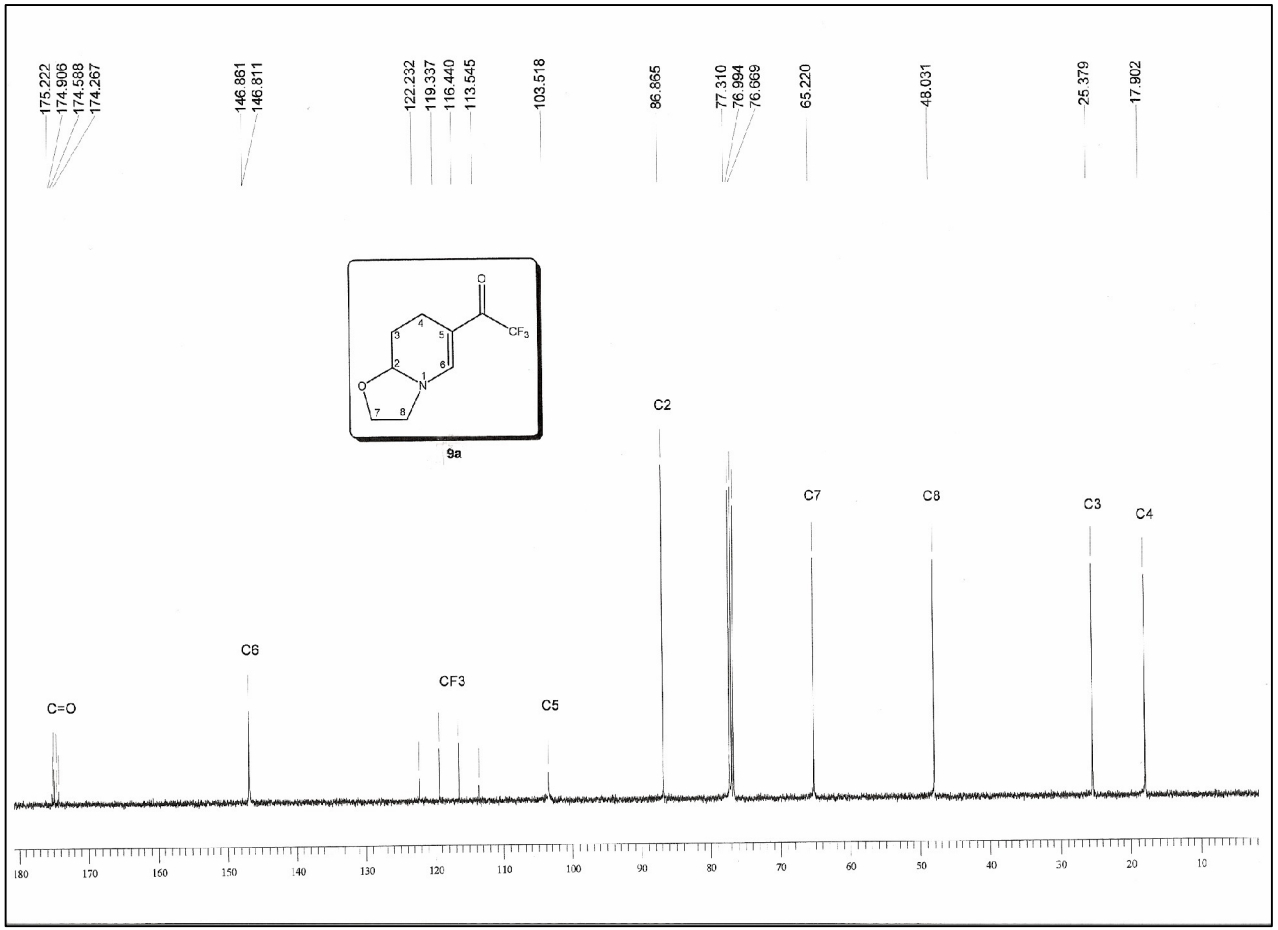


Figura 42: Espectro de ^{13}C {^{1}H} RMN a 100 MHz do composto **9a** em $CDCl_3$.

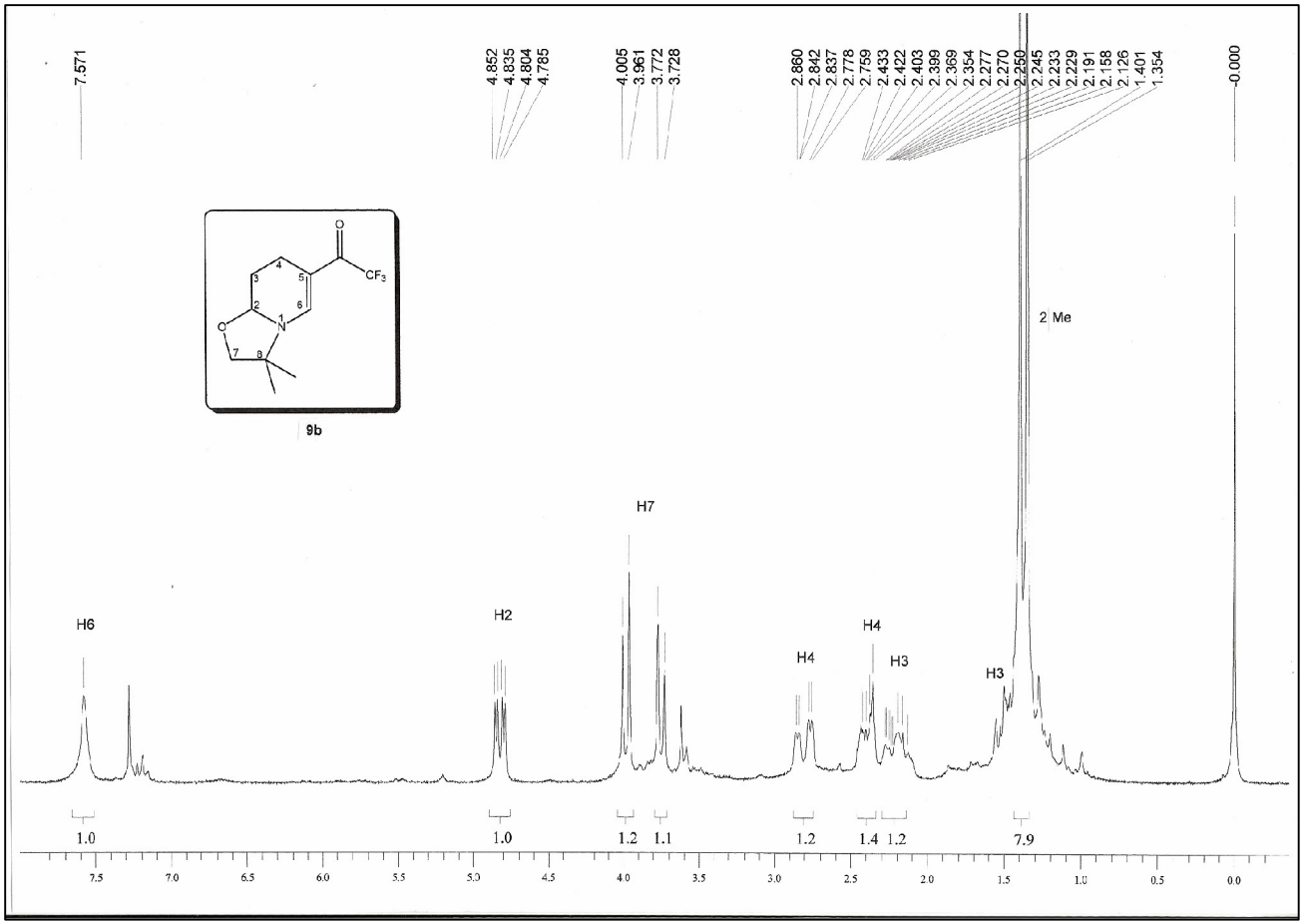


Figura 43: Espectro de ^{1}H RMN a 200 MHz do composto **9b** em $CDCl_3$.

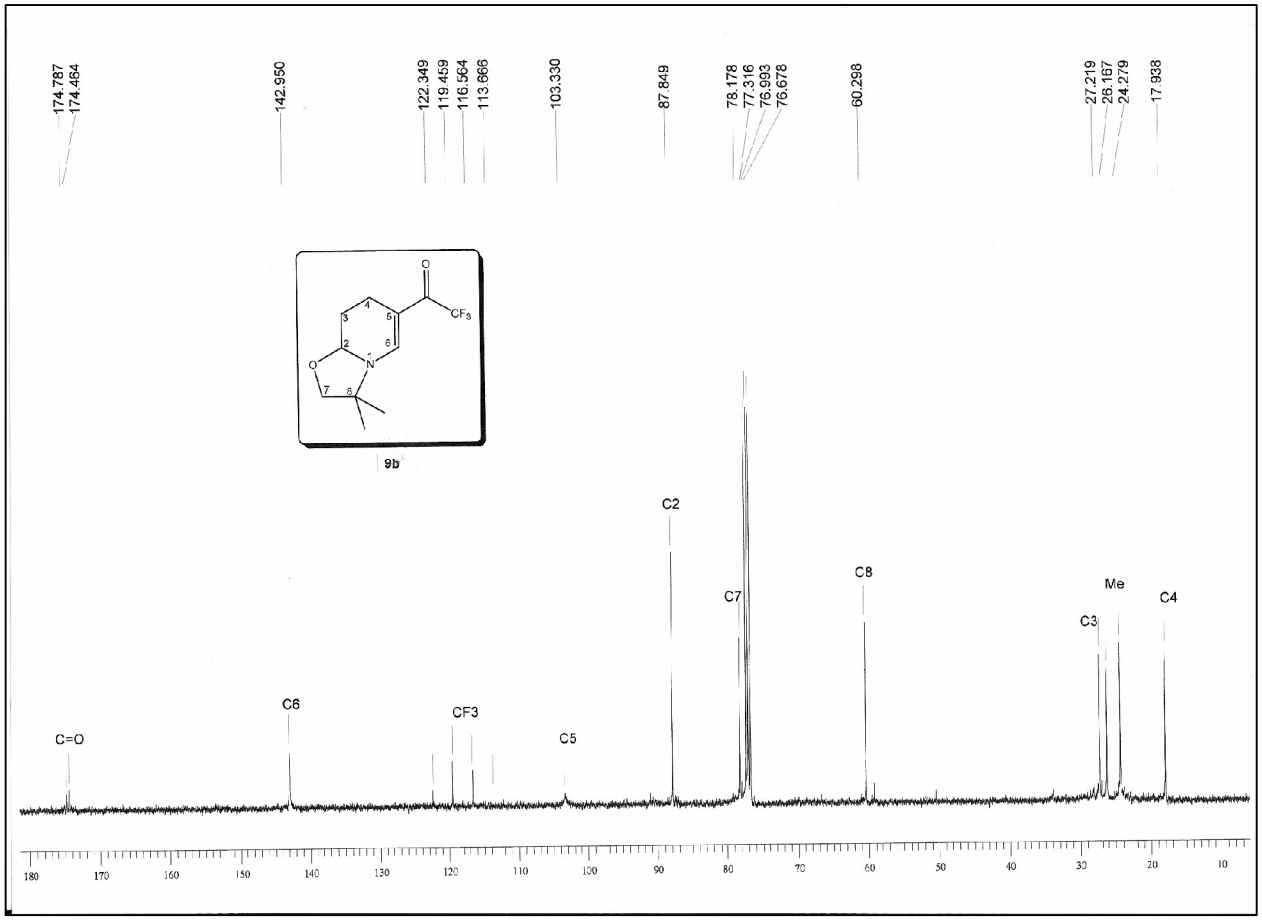


Figura 44: Espectro de ^{13}C {^{1}H} RMN a 100 MHz do composto **9b** em $CDCl_3$.

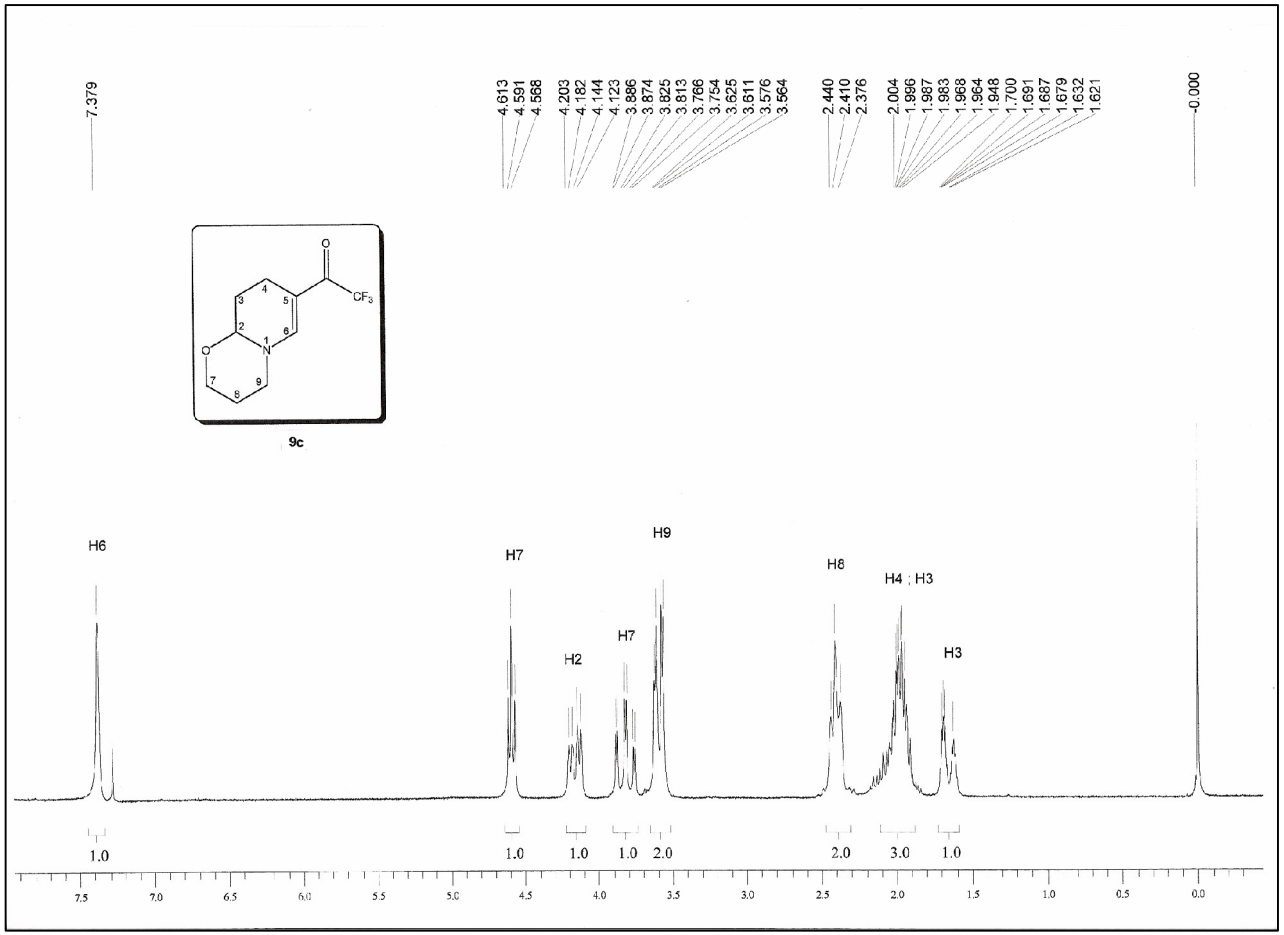


Figura 45: Espectro de ^{1}H RMN a 200 MHz do composto **9c** em $CDCl_3$.

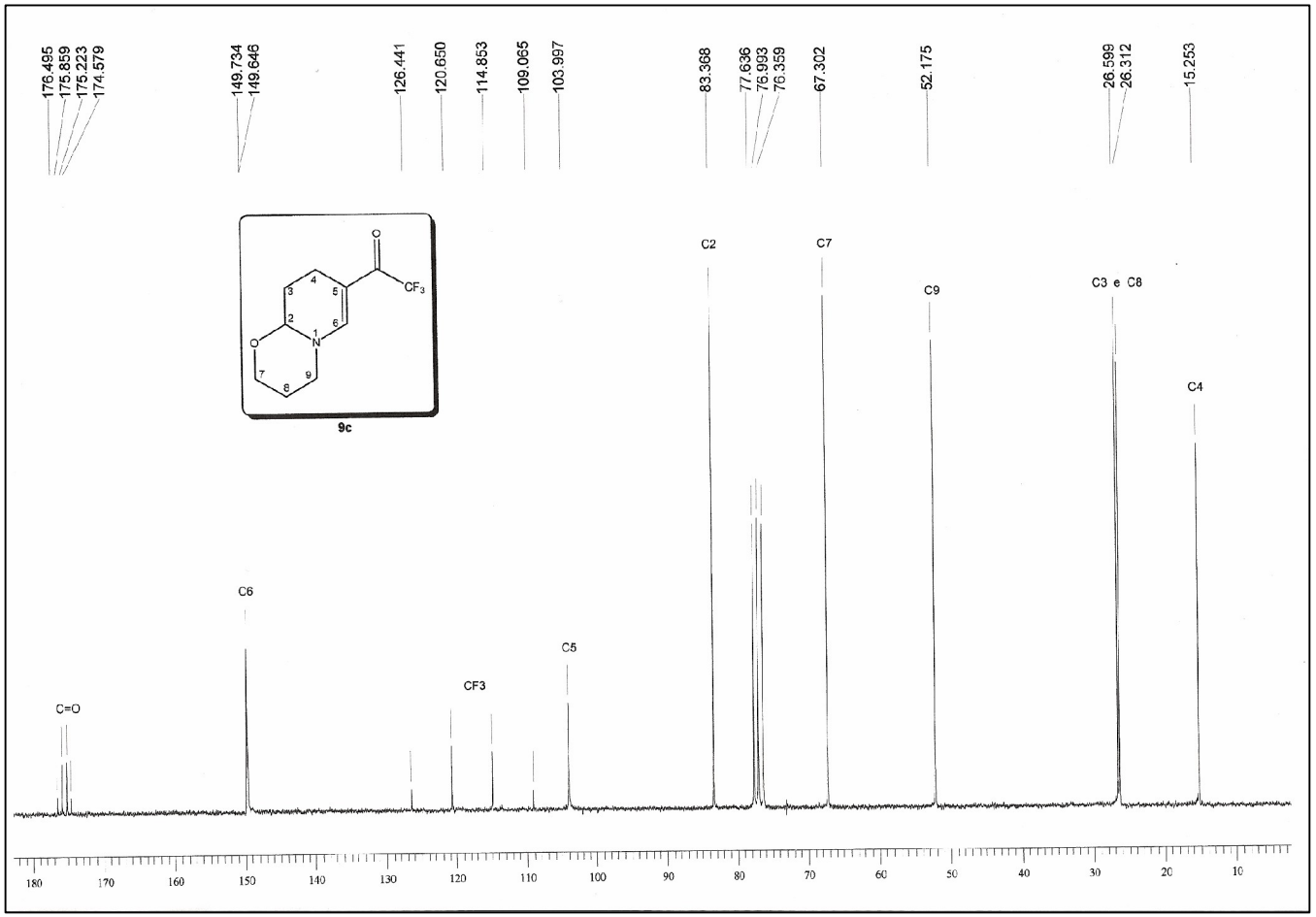


Figura 46: Espectro de ^{13}C {^{1}H} RMN a 50 MHz do composto **9c** em $CDCl_3$.

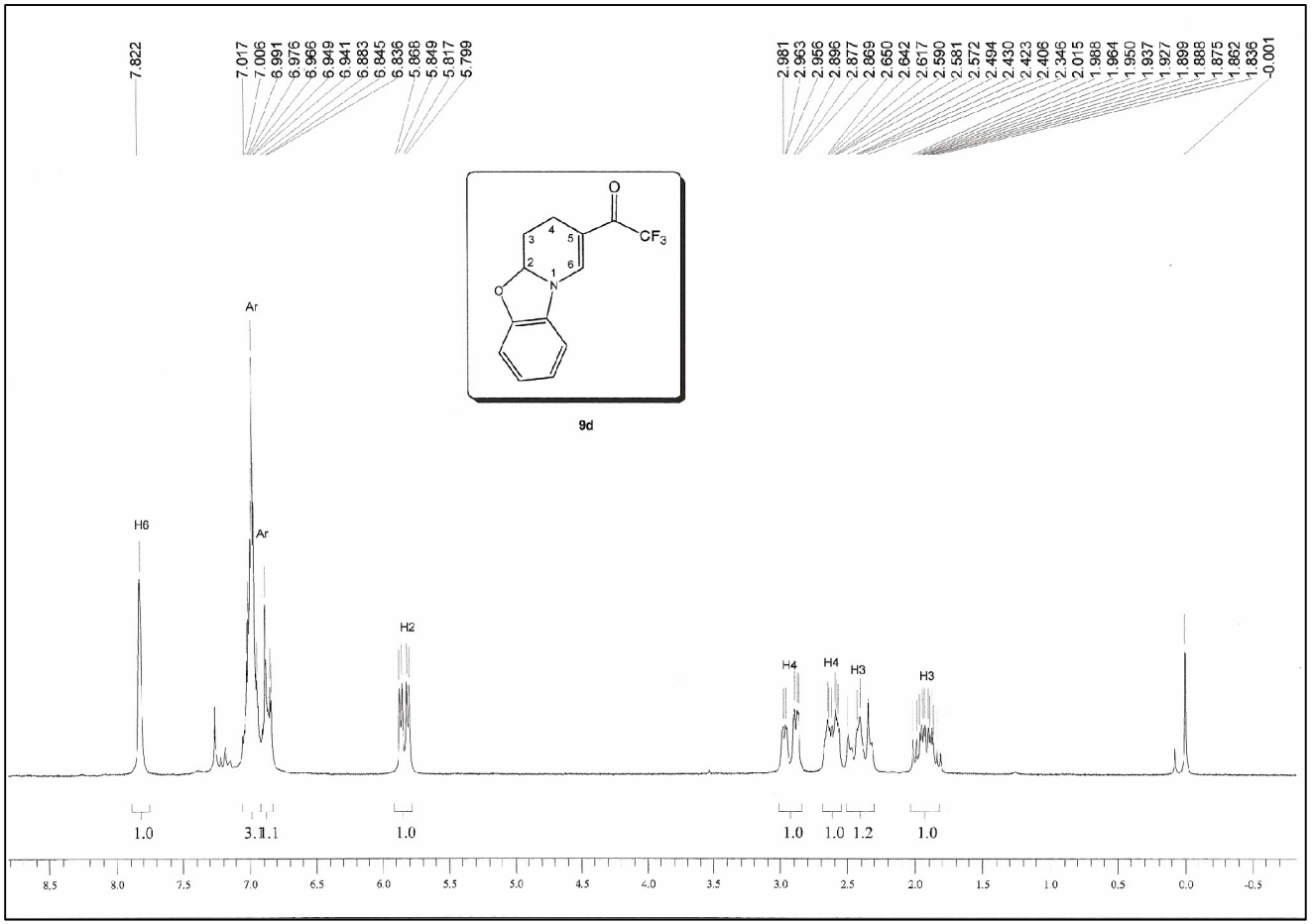


Figura 47: Espectro de ^{1}H RMN a 200 MHz do composto **9d** em $CDCl_3$.

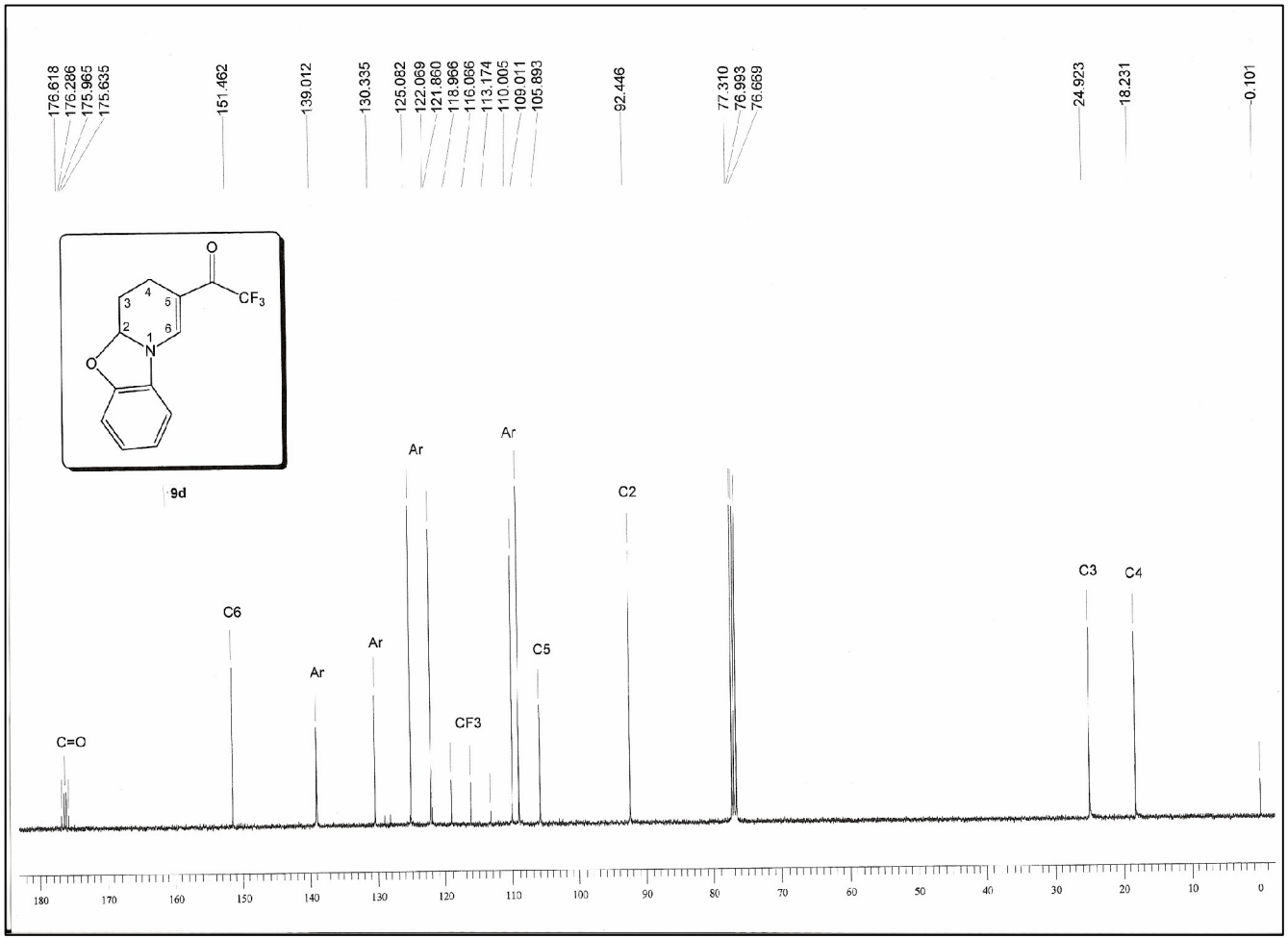


Figura 48: Espectro de ^{13}C {^{1}H} RMN a 100 MHz do composto **9d** em $CDCl_3$.

ANEXO 2

Espectros de Massa dos Compostos Sintetizados

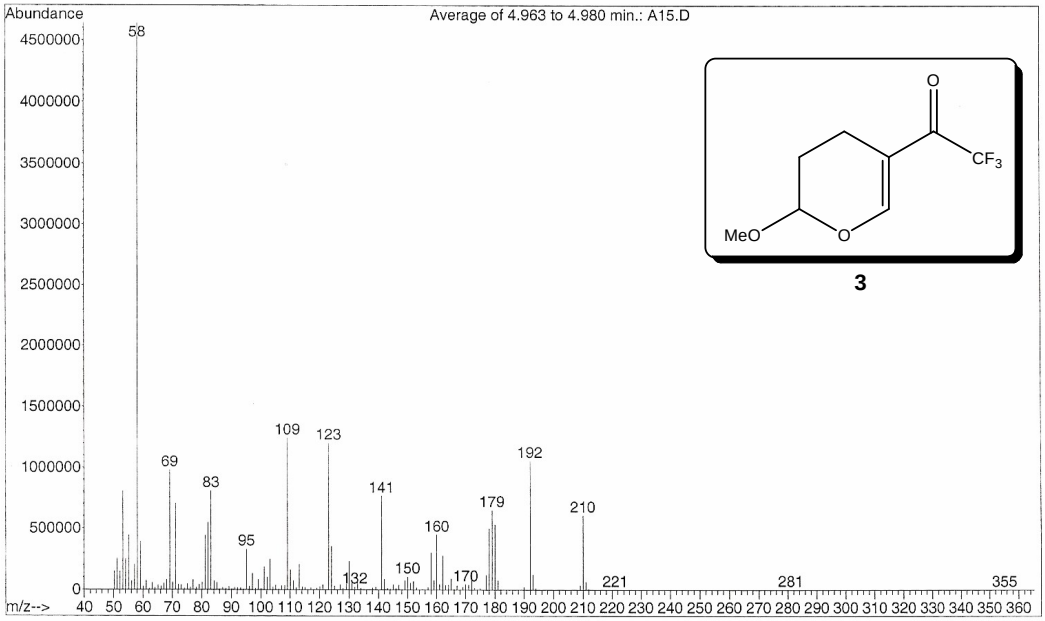


Figura 49: Espectro de massas (IE, 70 eV) do composto **3**.

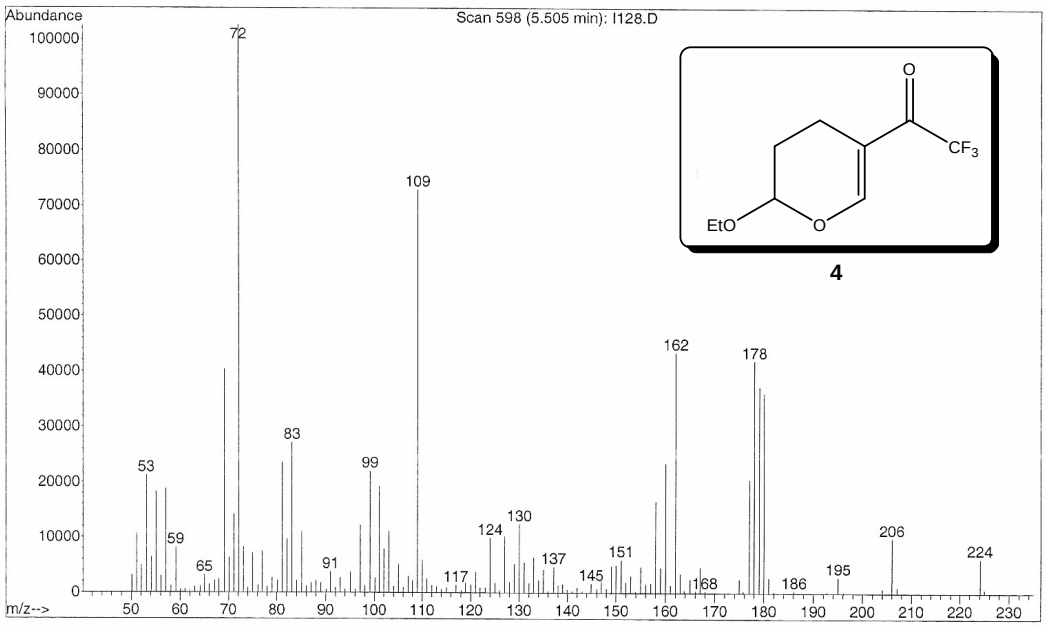


Figura 50: Espectro de massas (IE, 70 eV) do composto **4**.

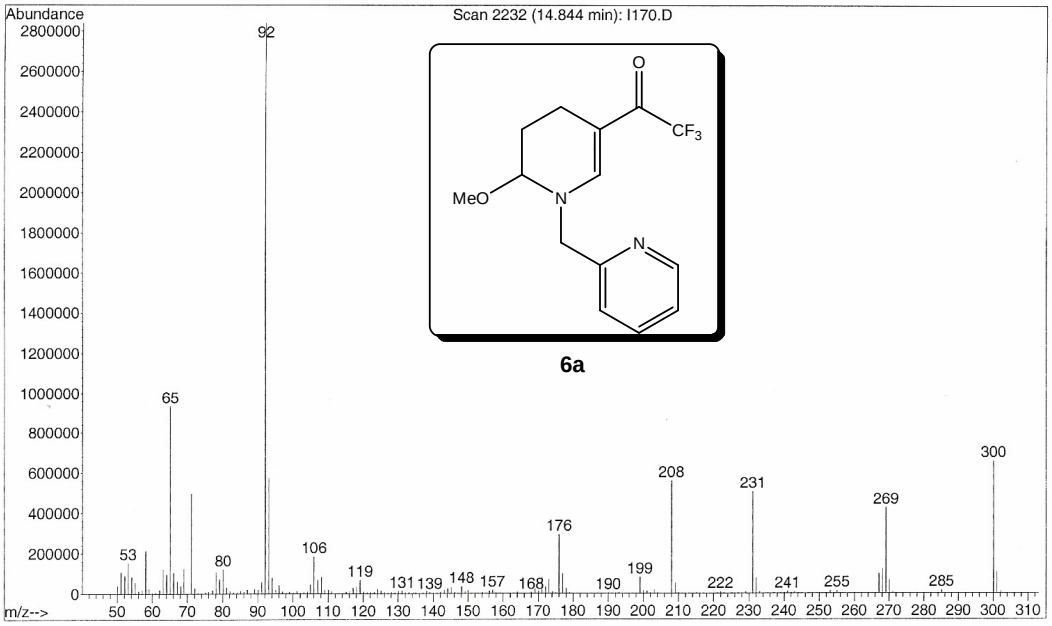


Figura 51: Espectro de massas (IE, 70 eV) do composto **6a**.

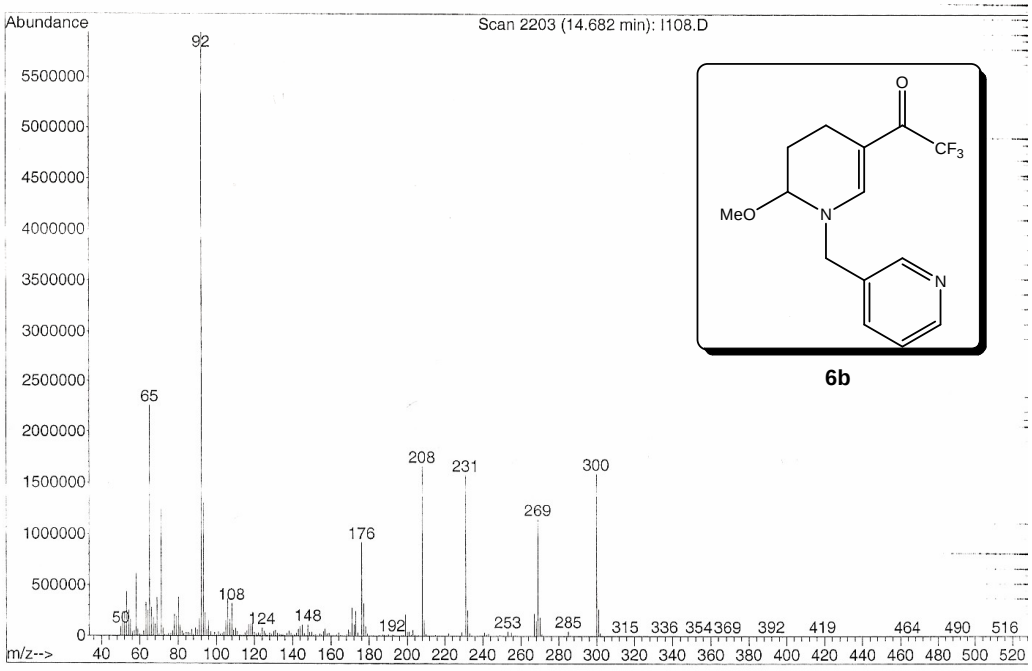
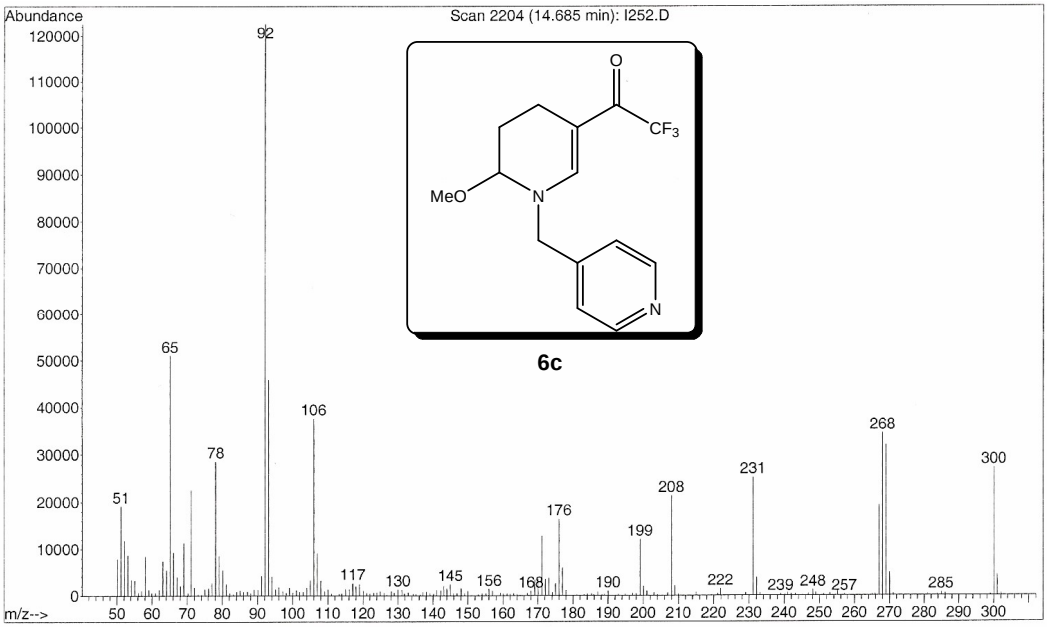
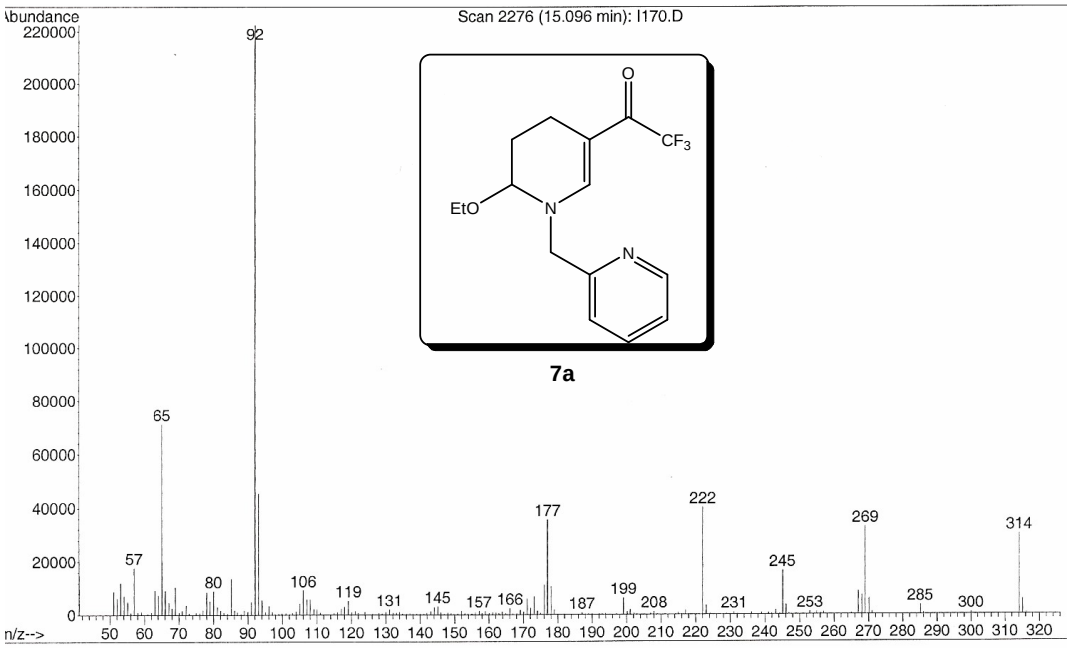


Figura 52: Espectro de massas (IE, 70 eV) do composto **6b**.



6c

Figura 53: Espectro de massas (IE, 70 eV) do composto **6c**.



7a

Figura 54: Espectro de massas (IE, 70 eV) do composto **7a**.

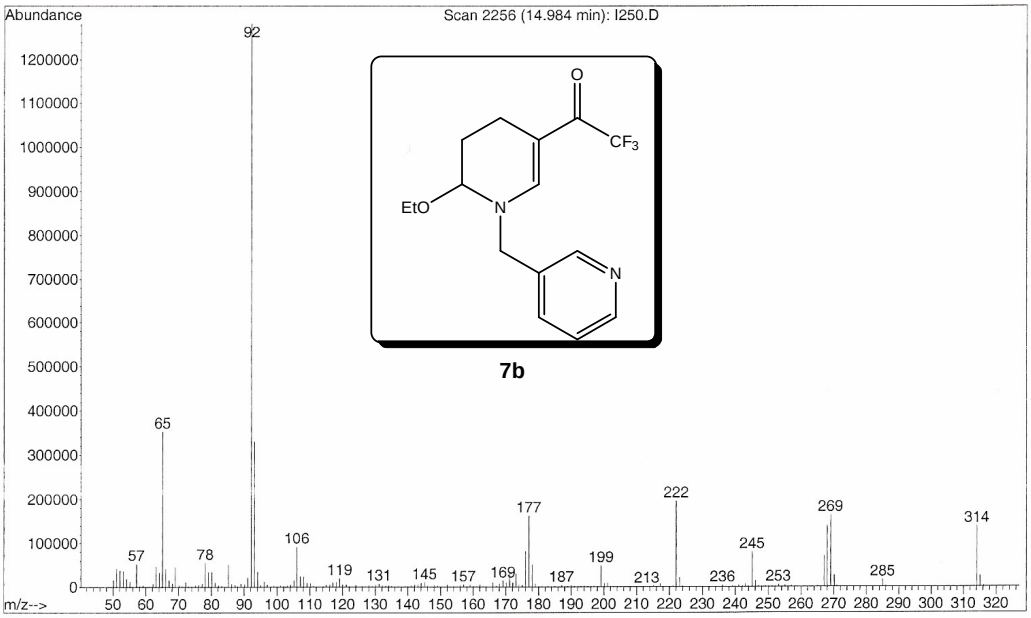


Figura 55: Espectro de massas (IE, 70 eV) do composto **7b**.

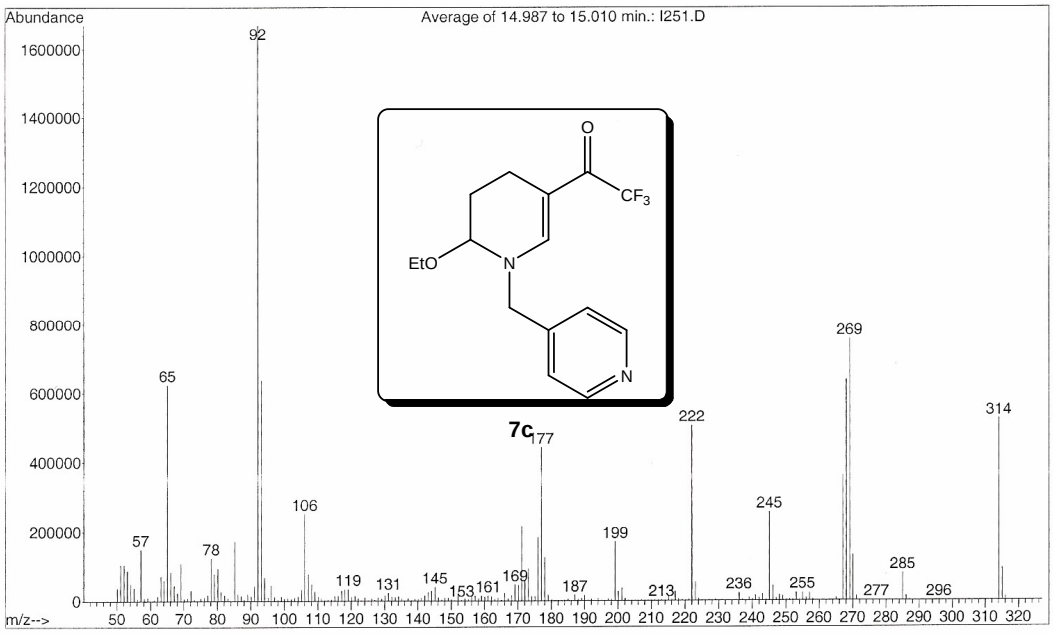
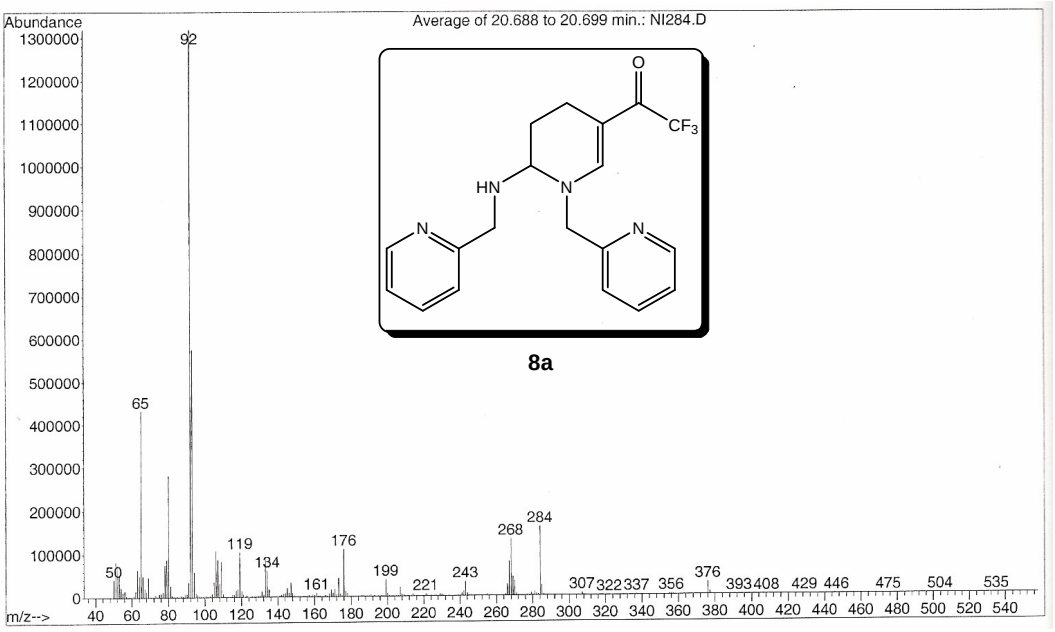
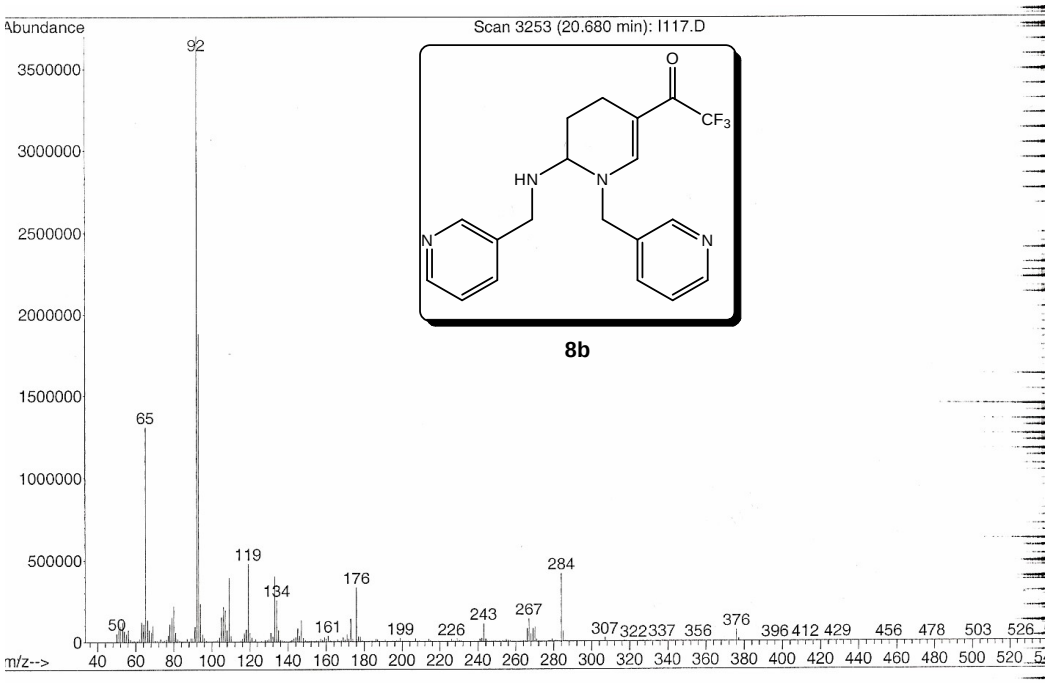


Figura 56: Espectro de massas (IE, 70 eV) do composto **7c**.



8a

Figura 57: Espectro de massas (IE, 70 eV) do composto **8a**.



8b

Figura 58: Espectro de massas (IE, 70 eV) do composto **8b**.

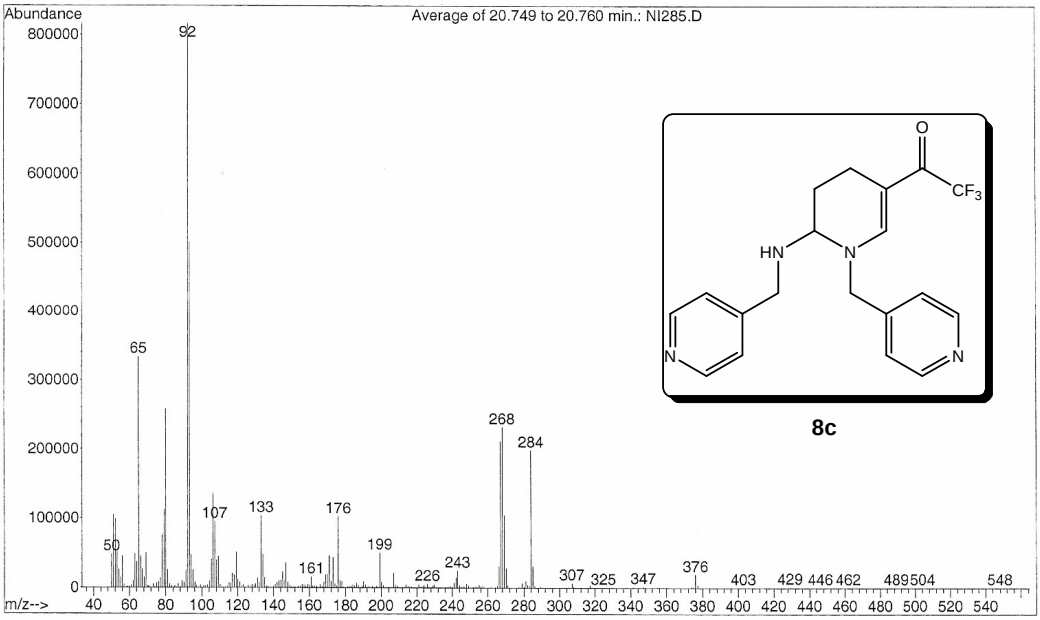


Figura 59: Espectro de massas (IE, 70 eV) do composto **8c**.

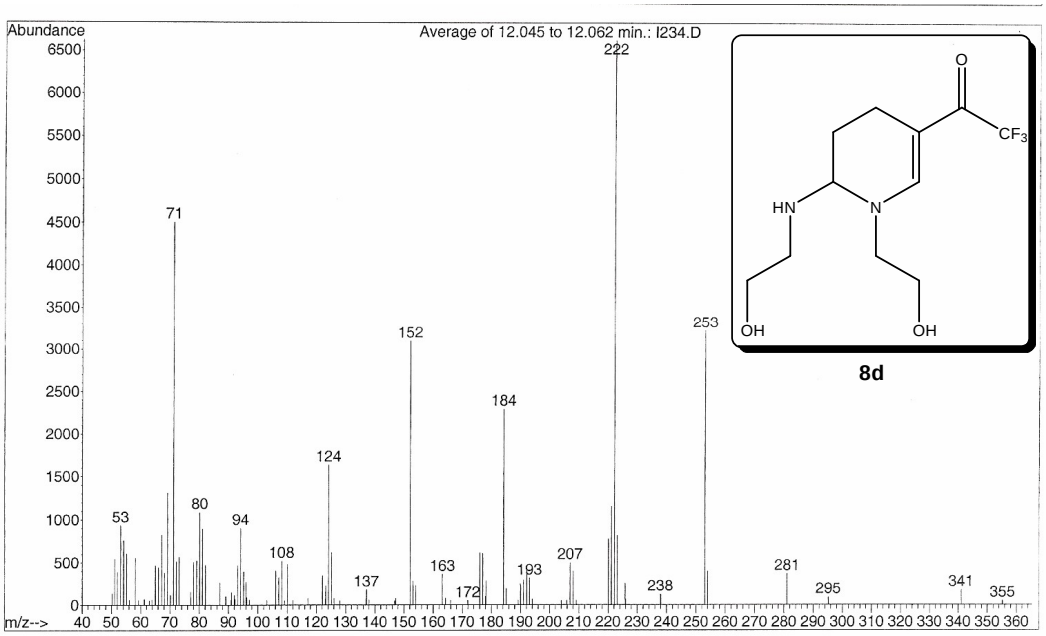


Figura 60: Espectro de massas (IE, 70 eV) do composto **8d**.

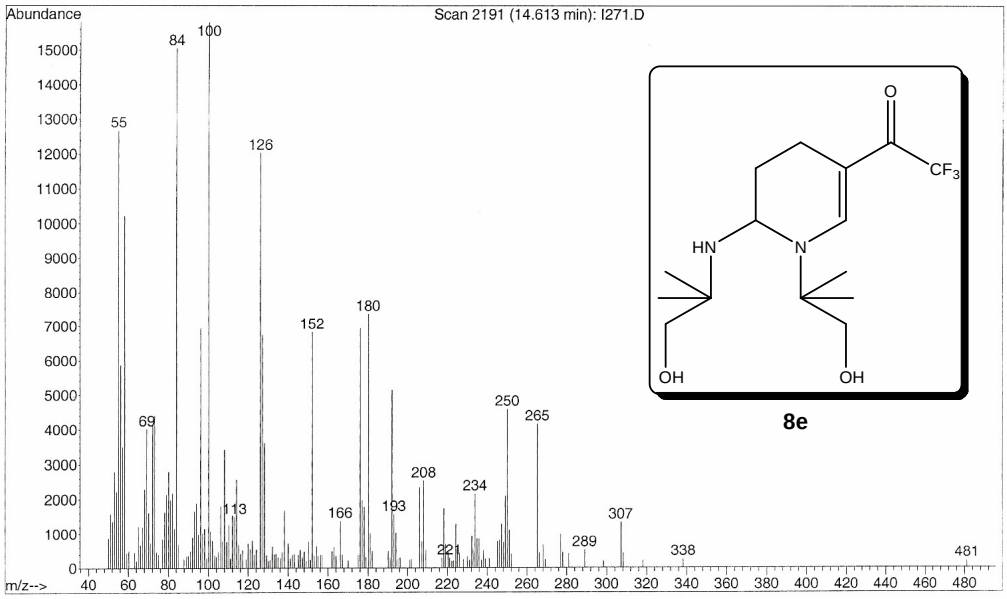


Figura 61: Espectro de massas (IE, 70 eV) do composto **8e**.

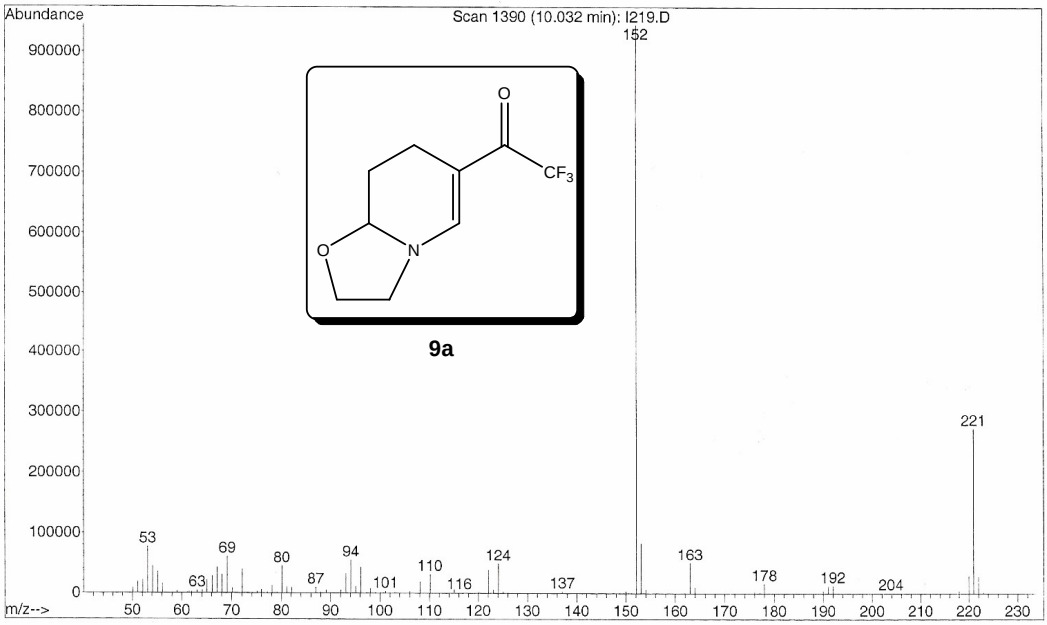


Figura 62: Espectro de massas (IE, 70 eV) do composto **9a**.

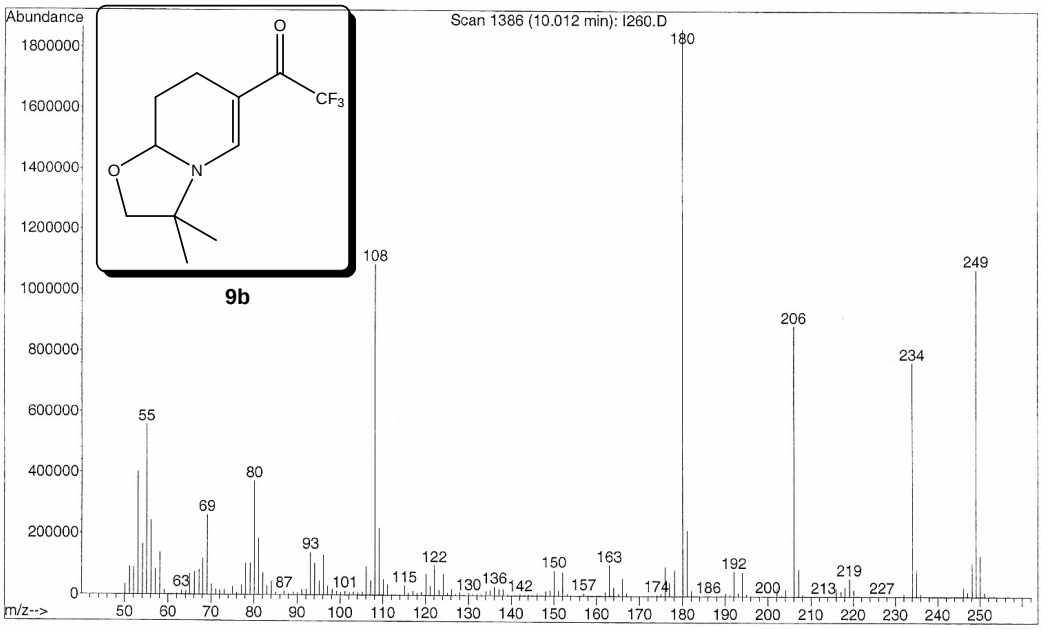


Figura 63: Espectro de massas (IE, 70 eV) do composto **9b**.

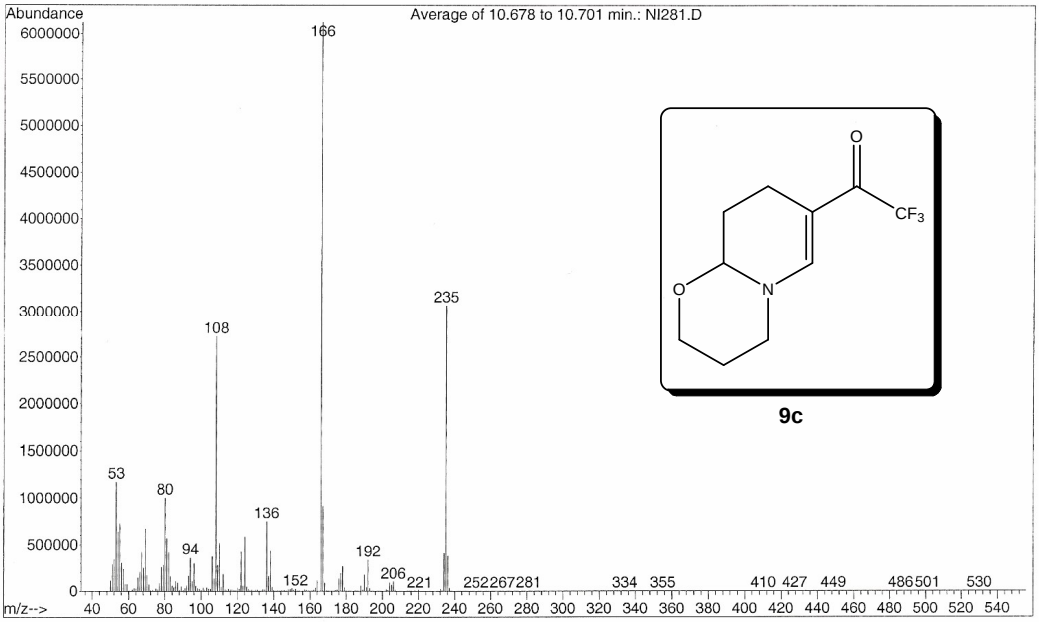


Figura 64: Espectro de massas (IE, 70 eV) do composto **9c**.

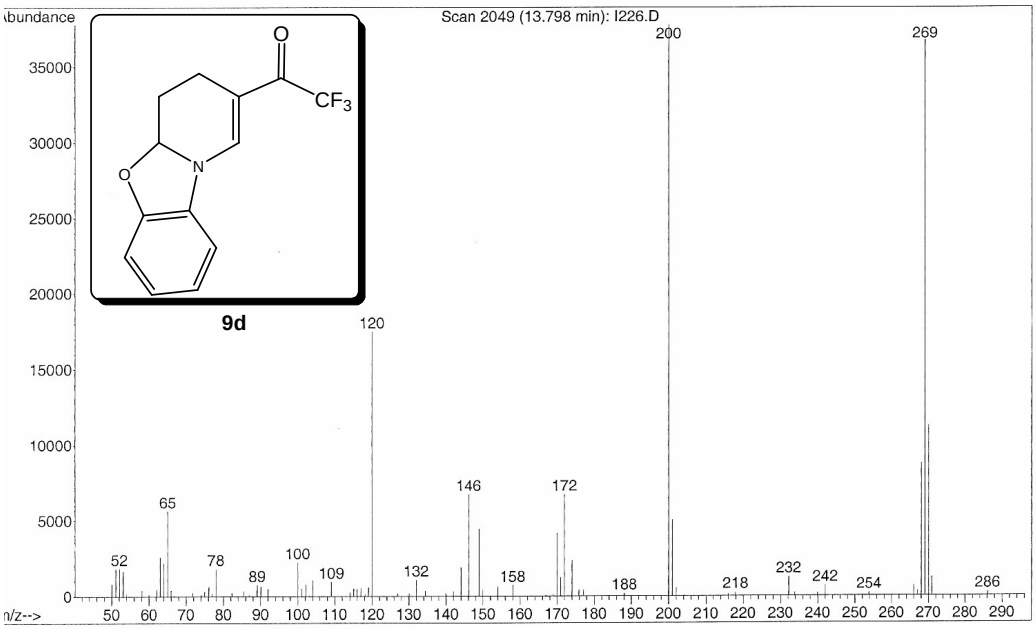
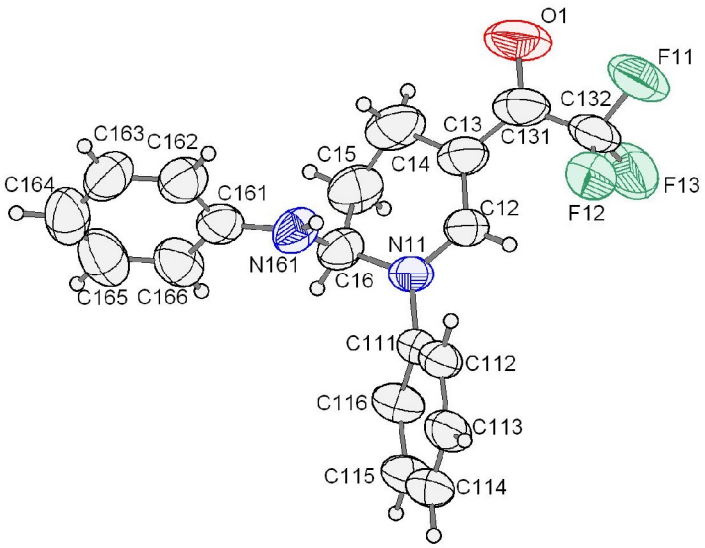


Figura 65: Espectro de massas (IE, 70 eV) do composto **9d**.

ANEXO 3

Dados dos Raios-X dos Compostos: 1-fenil-2-*N*-fenilamino-5-trifluoracetil-1,2,3,4-tetraidropiridina sintetizado por Nachtigall[52] e do composto 9d .



Coleta dos dados de Raios-X

As medidas cristalográficas foram realizadas em um aparelho Bruker Kappa Apex II, equipado com um detector de área tipo CCD, usando radiação Mo Ka (λ = 0.71073 Å). A estrutura foi resolvida utilizando métodos diretos (SHELXS-97), achando todos os átomos de C, N, O e F. A estrutura foi refinada nas F^2 (SHELXL-97). Os átomos de H foram achados no mapa de densidade diferencial (F_0-F_c). A unidade assimétrica do (NZ I99) tem duas moléculas cristalograficamente independentes as quais tiveram geometrias quase idênticas. Usando o método de transformação quaternário (MOLFIT in PLATON; A.L. Mackay, Acta Cryst.(1984), A40, 165-166) para uma molécula 2 invertida em molécula 1 dar um rms pesado adequado 0.10918 Å.

Dados cristalinos do (NZ I99): $C_{19}H_{17}F_3N_2O$, M = 346.35, monoclínico, grupo espacial $P2_1/c$ (No. 14), a = 8.3649(4) Å, b = 36.9909(14) Å, c = 11.062(4) Å, β = 90.435(2)°, V = 3422.9(2) Å^3, T = 295(2) K, Z = 8, D_c = 1.344 g/cm^{-3}, μ = 0.106 mm^{-1}, 2.43 < θ < 28.34°, F(000) = 1440; 34766 número de reflexões medidas 8547 único (Rint = 0.0746). O final wR_2 = 0.893 (all data), R_1 [$I > \sigma(I)$] = 0.1091, GoF = 1.161. CCDC No. XXXXX