

1 **Microwave-assisted synthesis of new pyrazole derivatives bearing 1,2,3-triazole scaffold as potential antimicrobial agents**

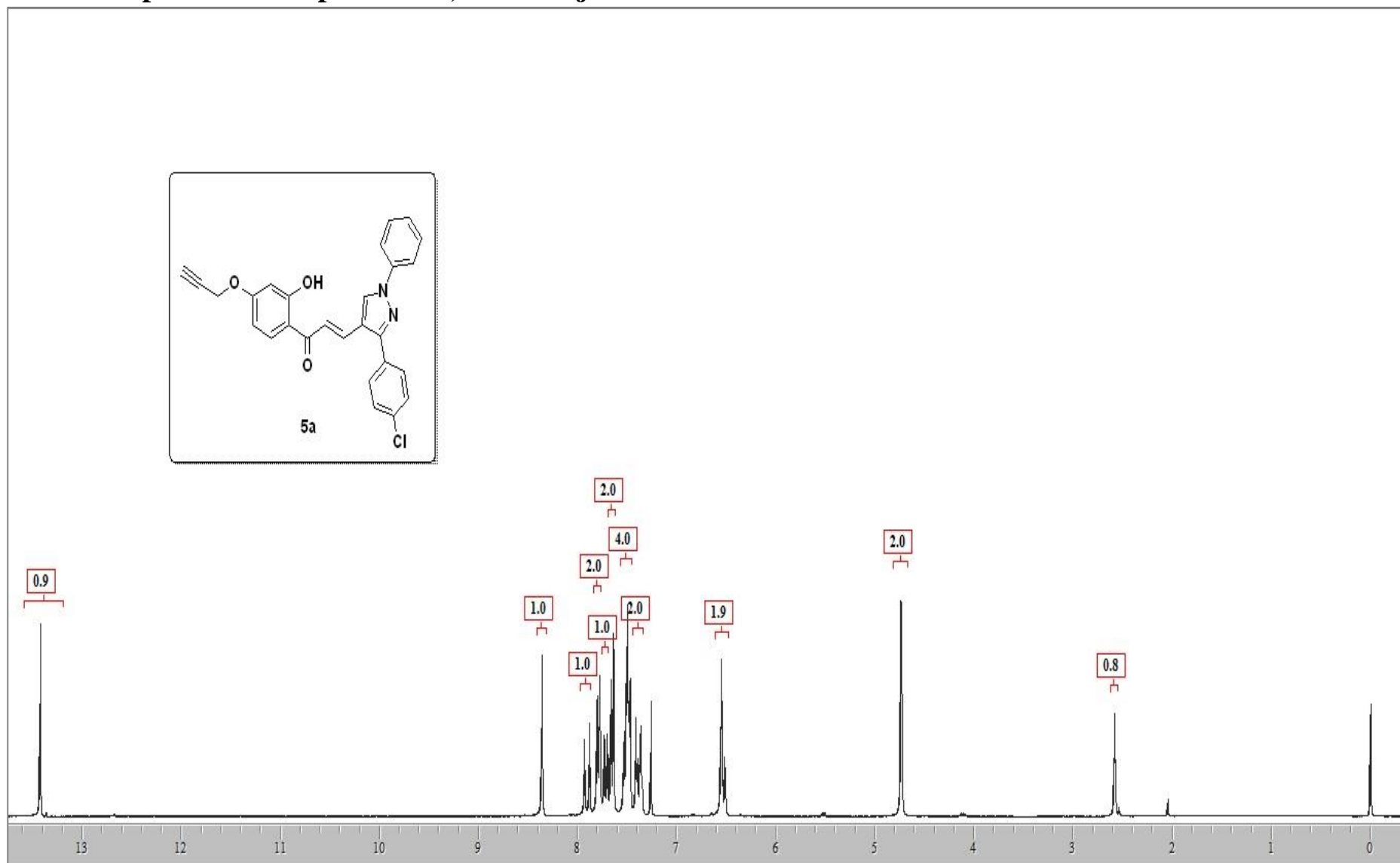
2 DONGAMANTI ASHOK*, RANGU KAVITHA, SRINIVAS GUNDU and VELAGAPURI HANUMANTHA RAO

3 *Green and Medicinal Chemistry Laboratory, Department of Chemistry, Osmania University, Hyderabad- 500 007, India*

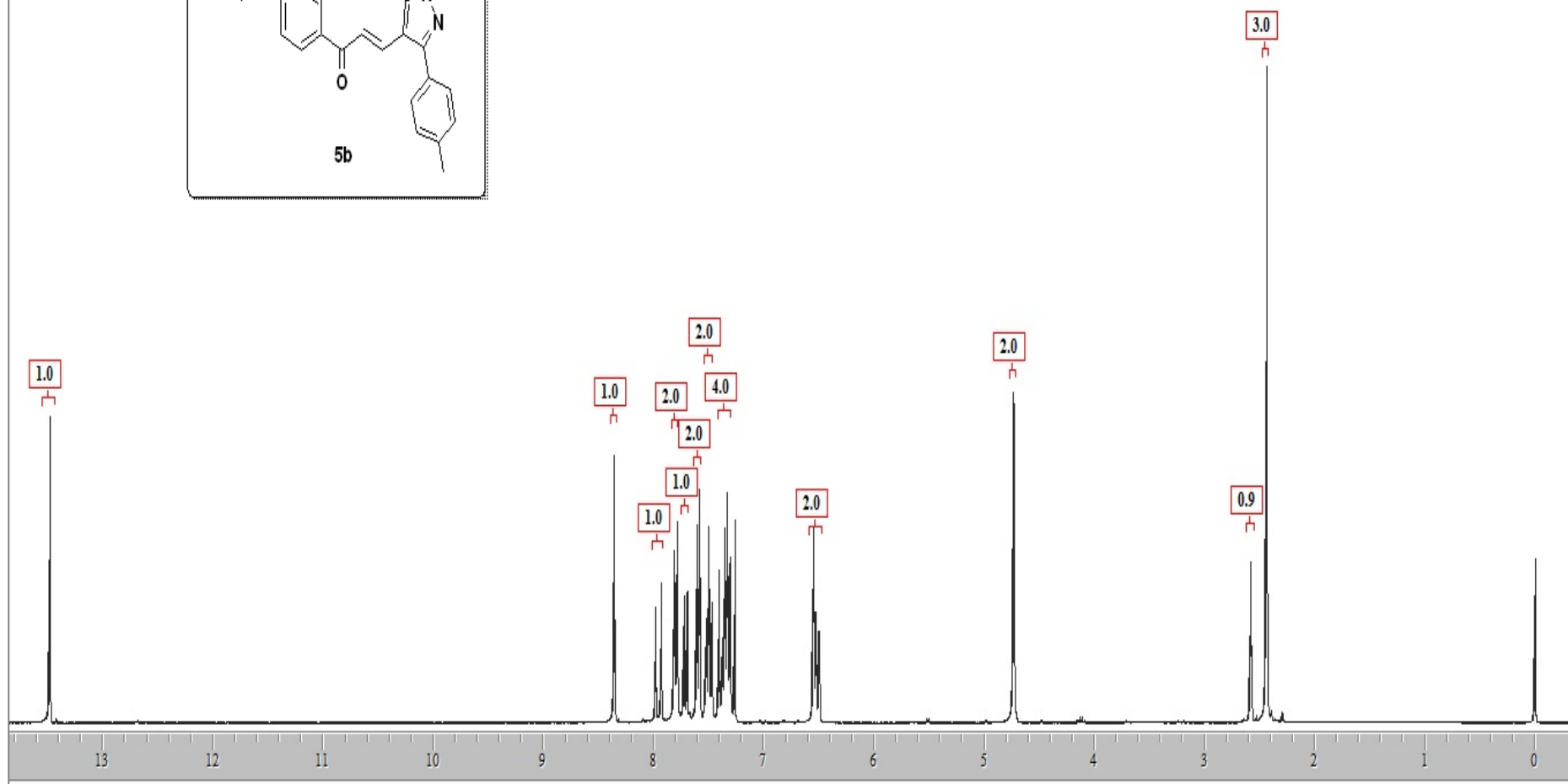
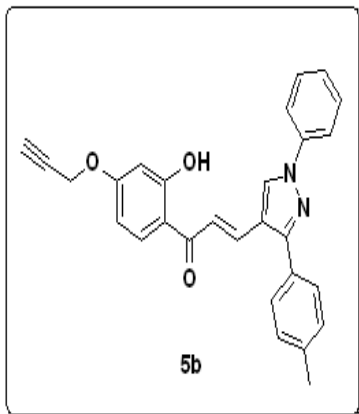
4 *e-mail: ashokdou@gmail.com*

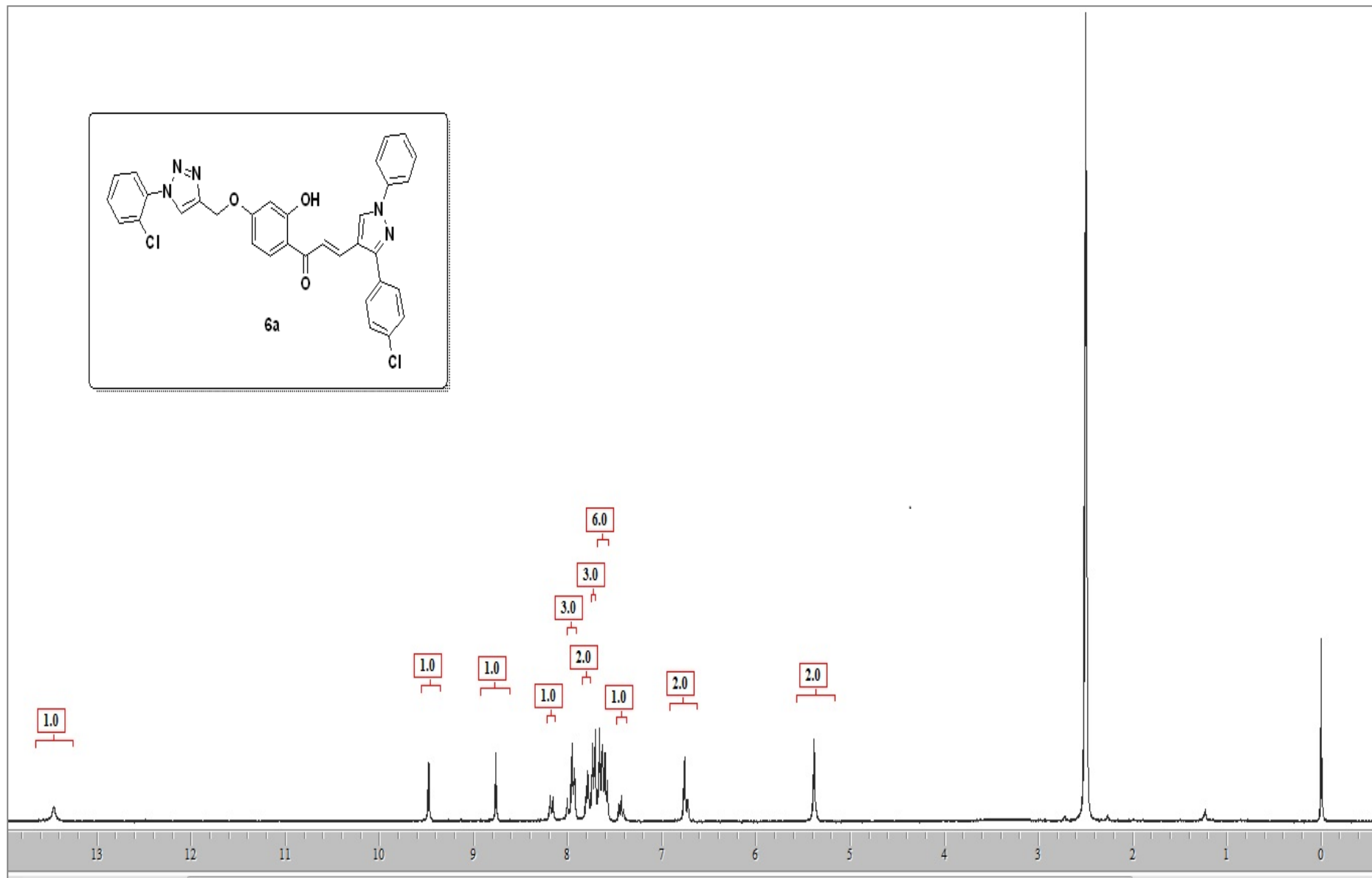
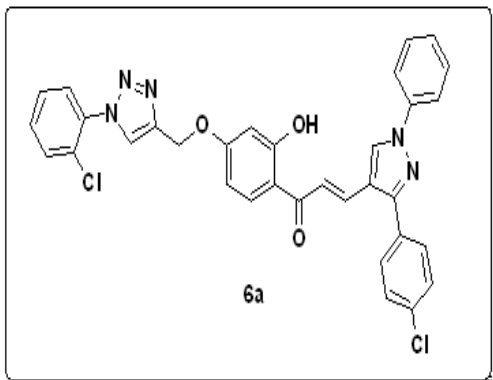
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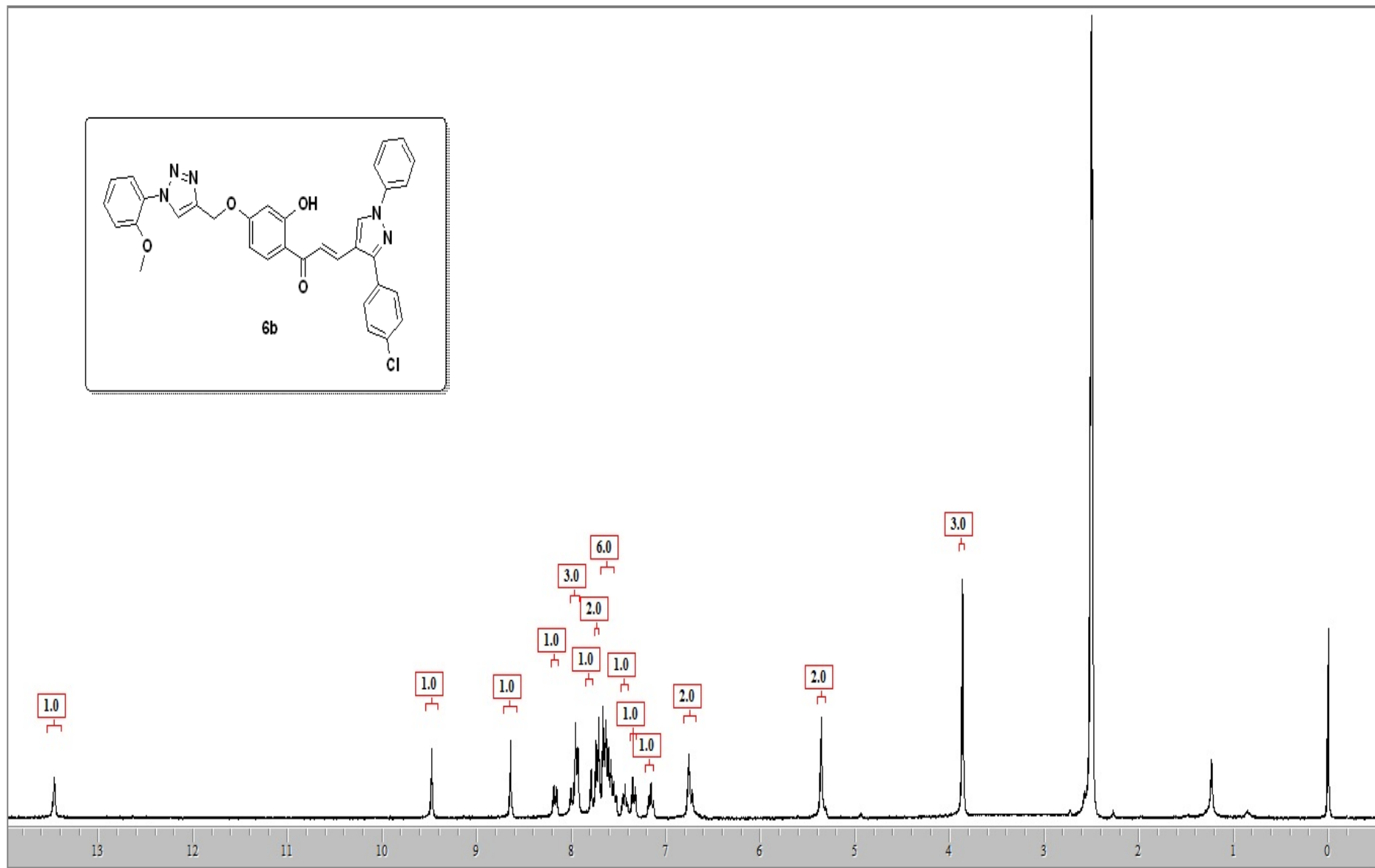
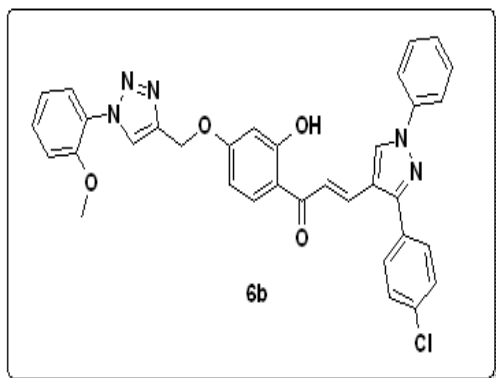
6 **H^1 NMR Spectra of compounds 5a,b and 6a-j:**

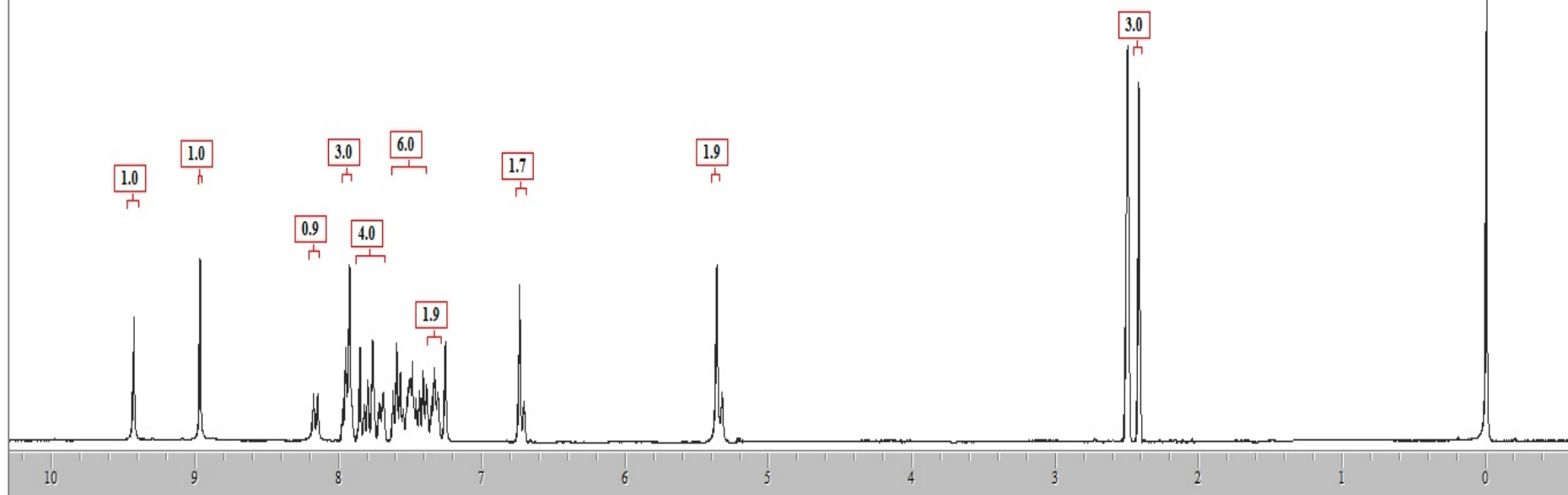
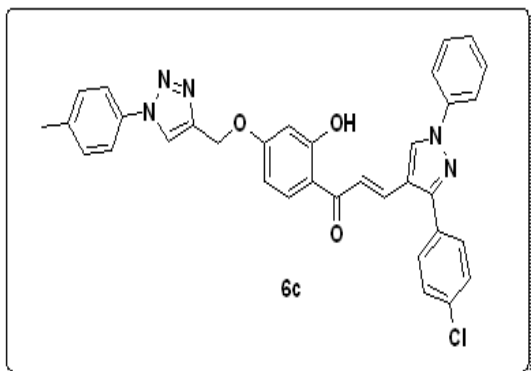


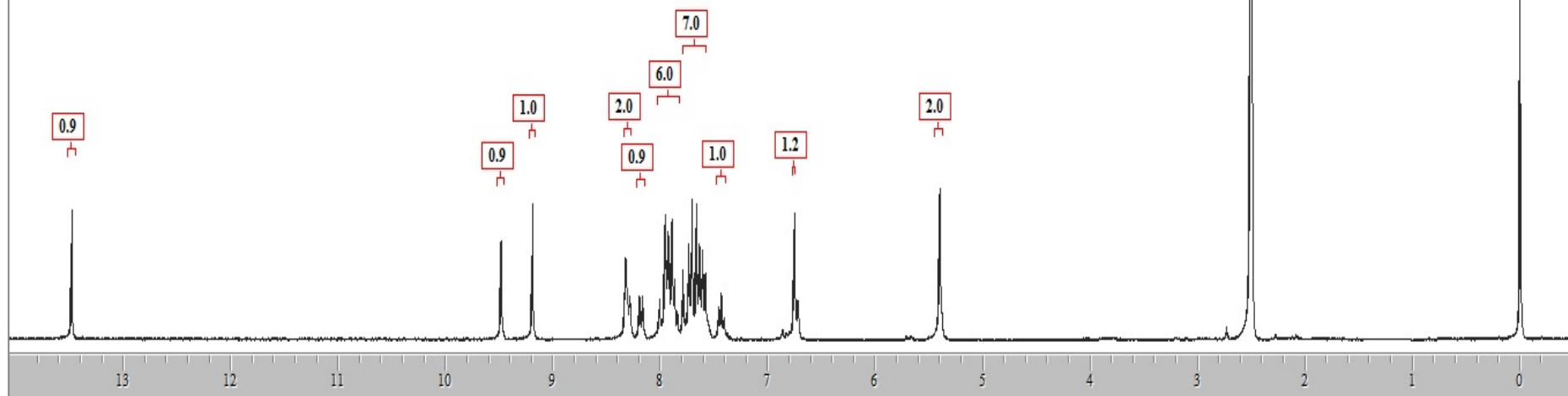
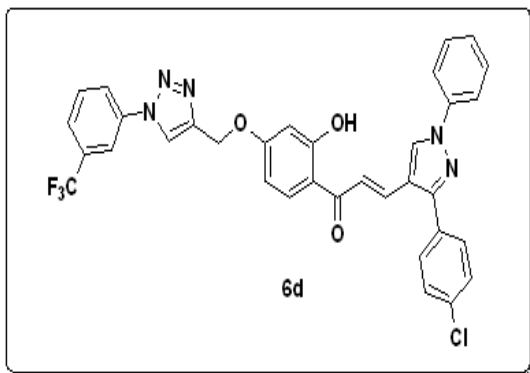
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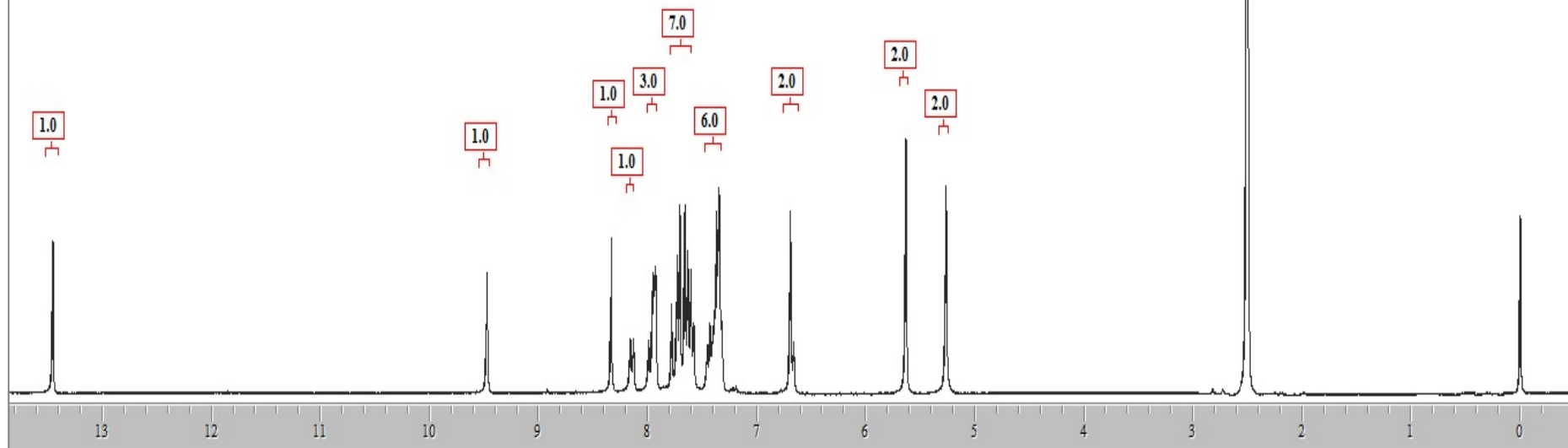
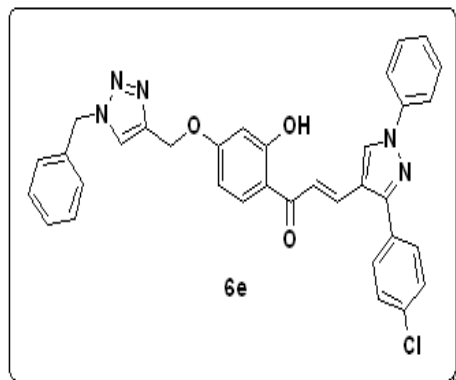


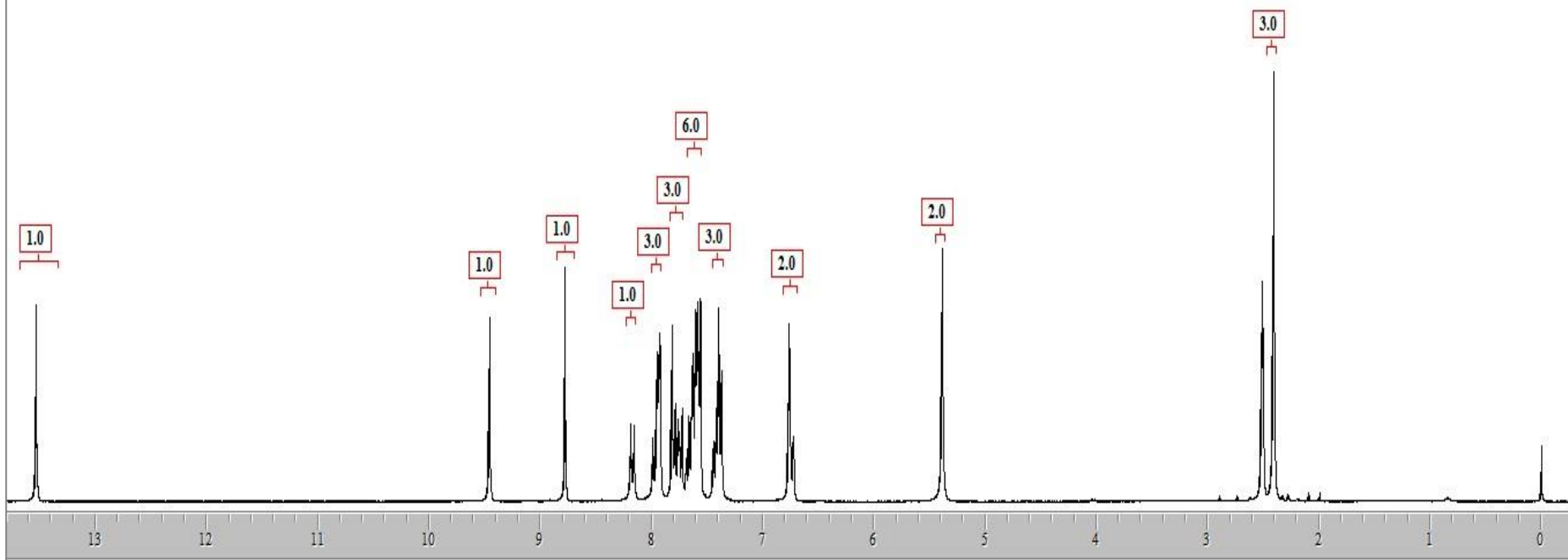
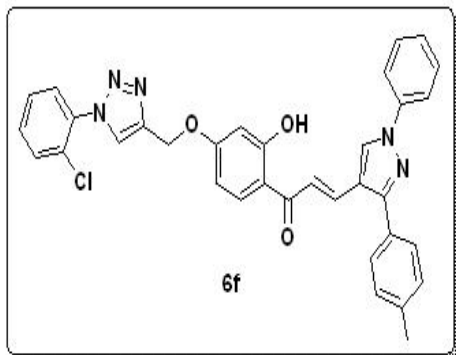


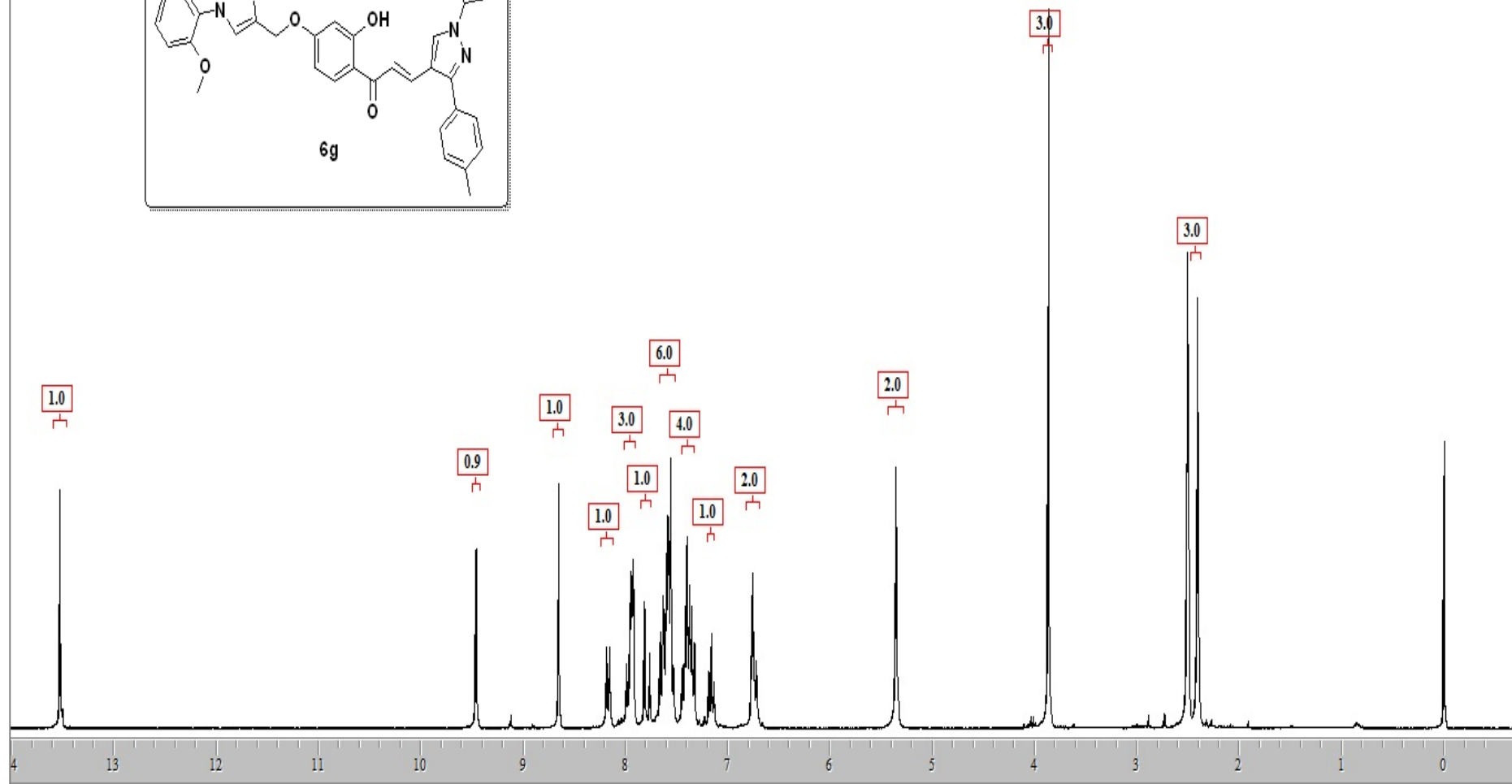
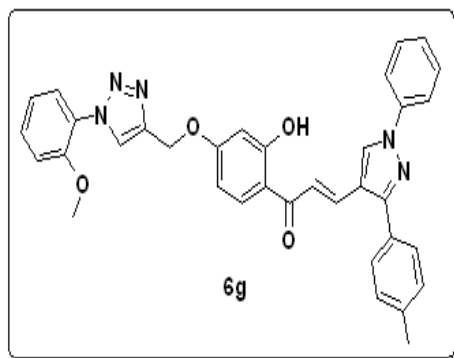


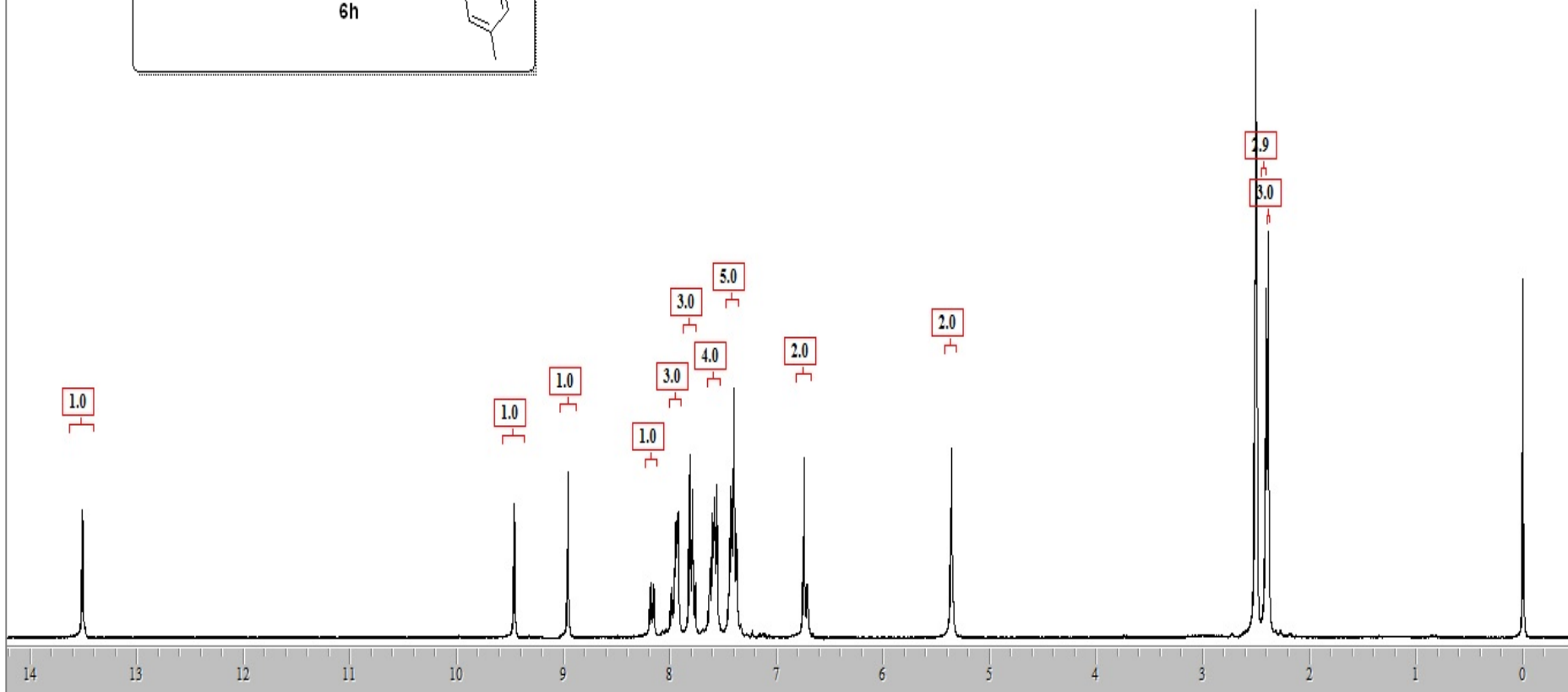
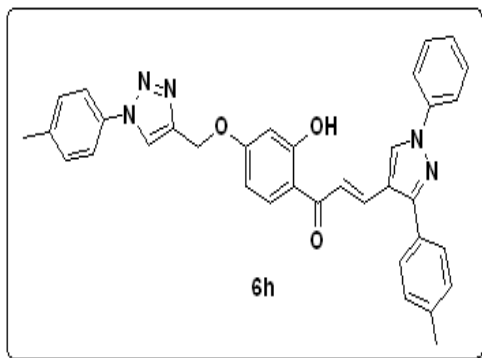


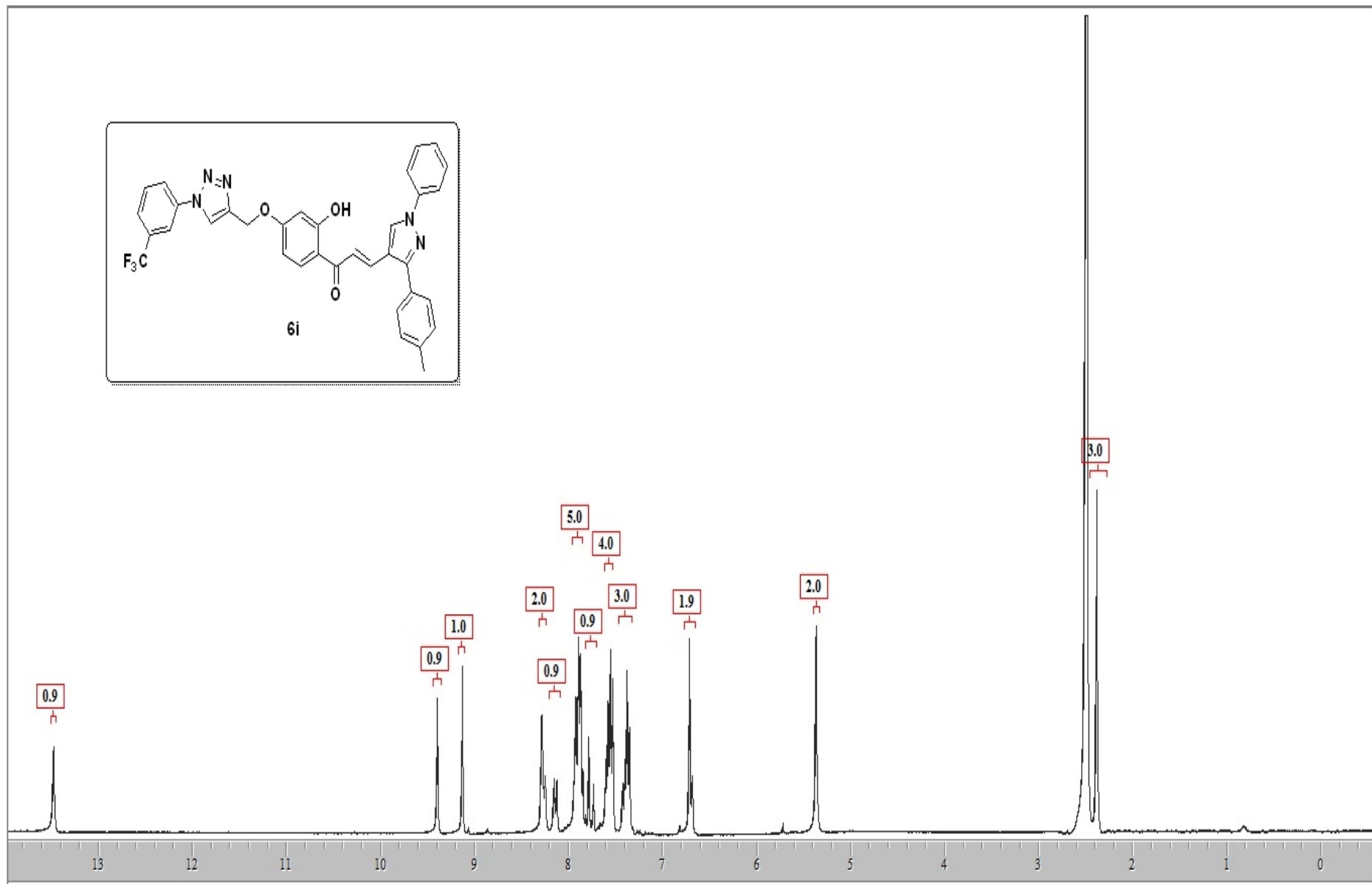
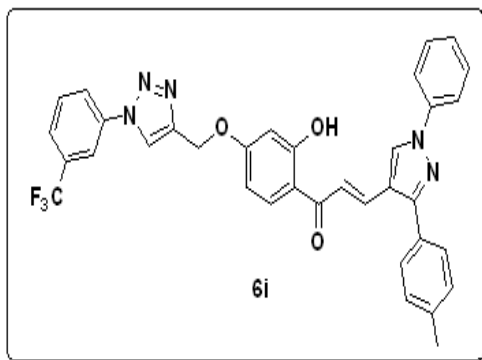


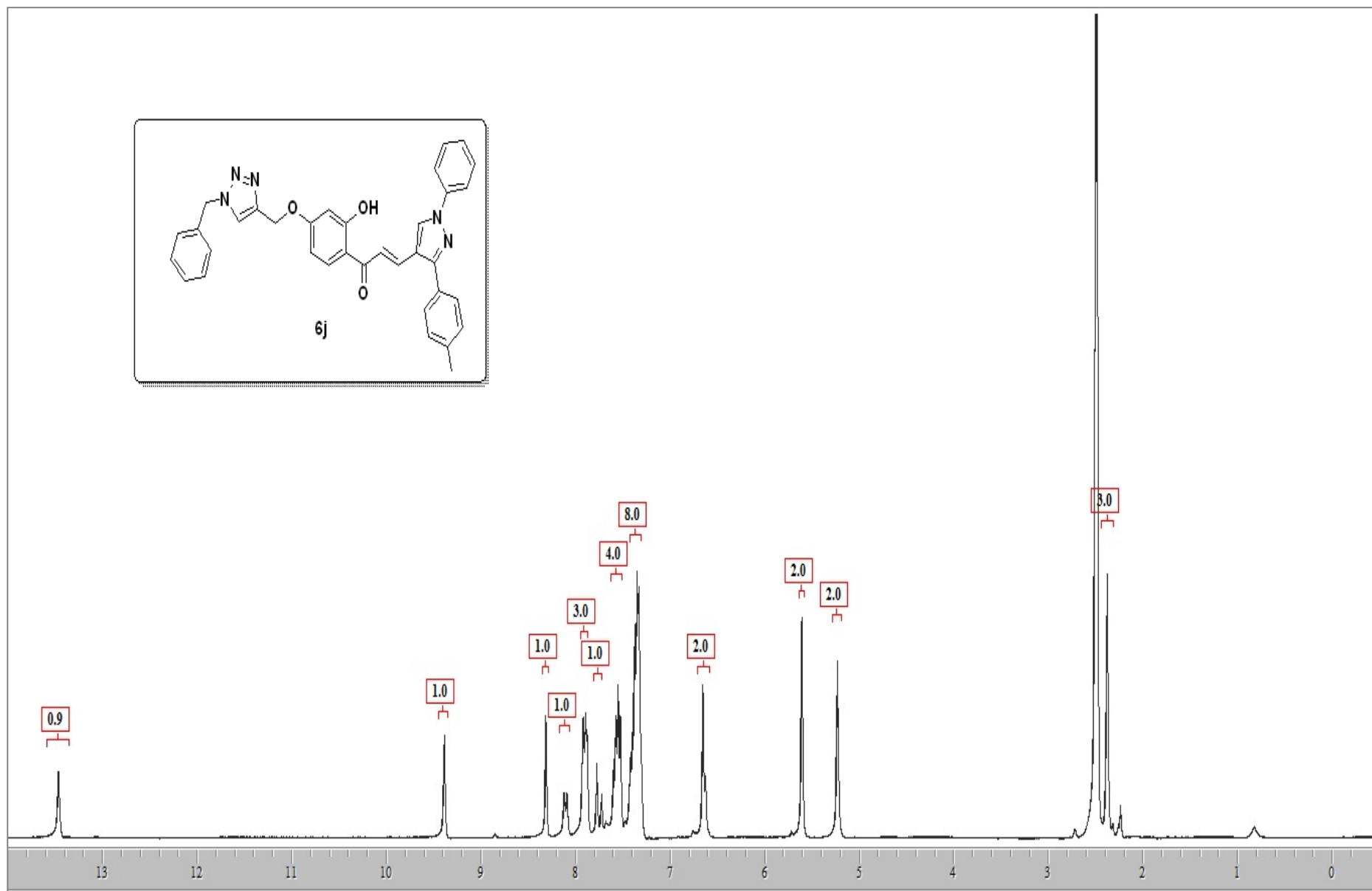
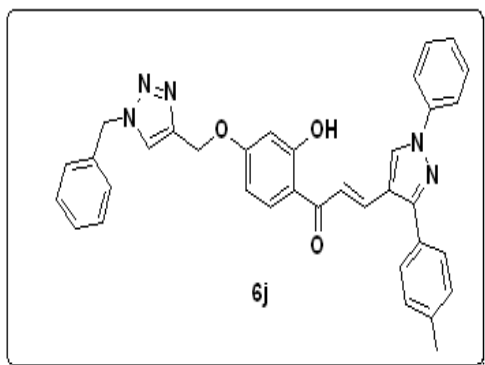




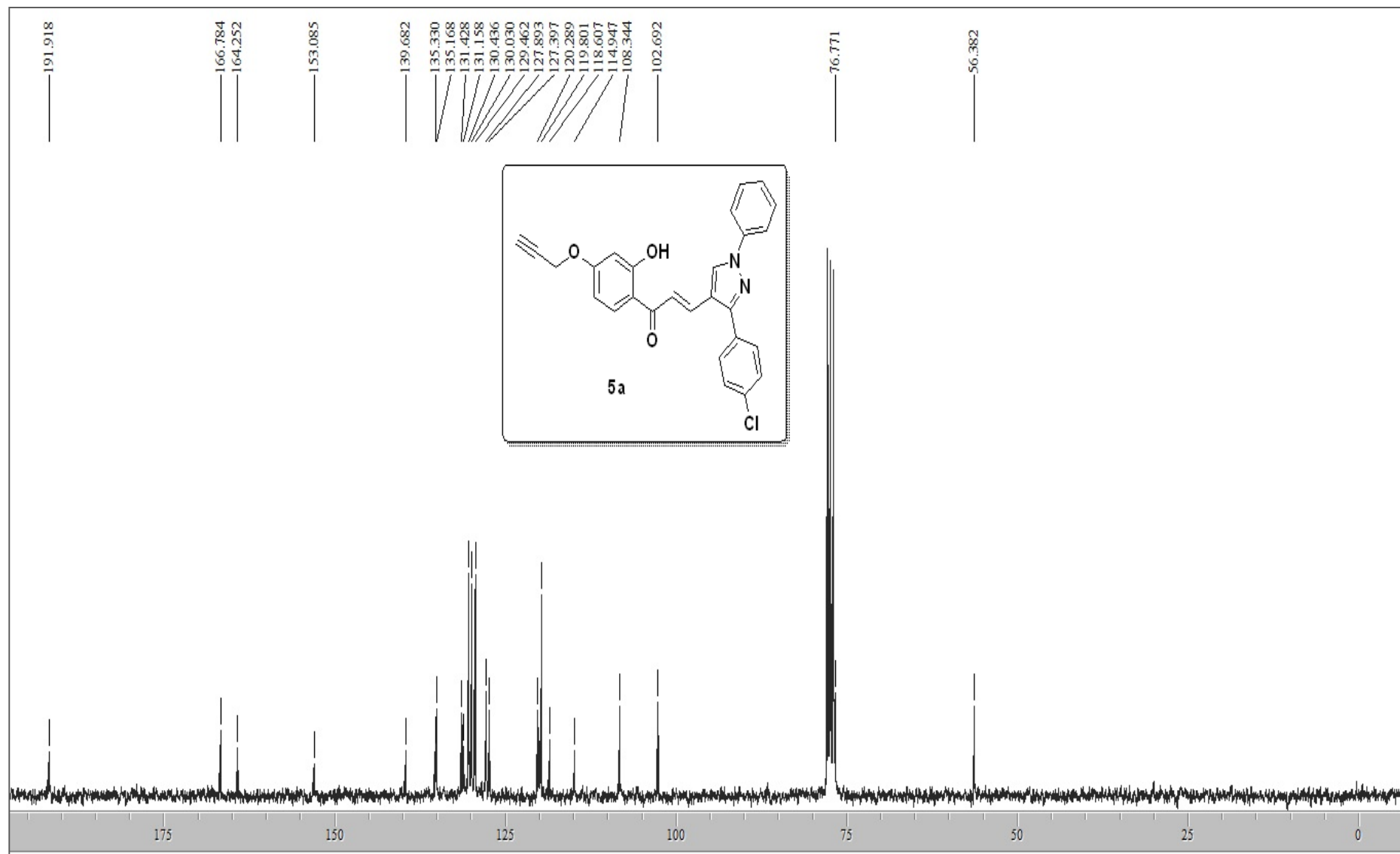


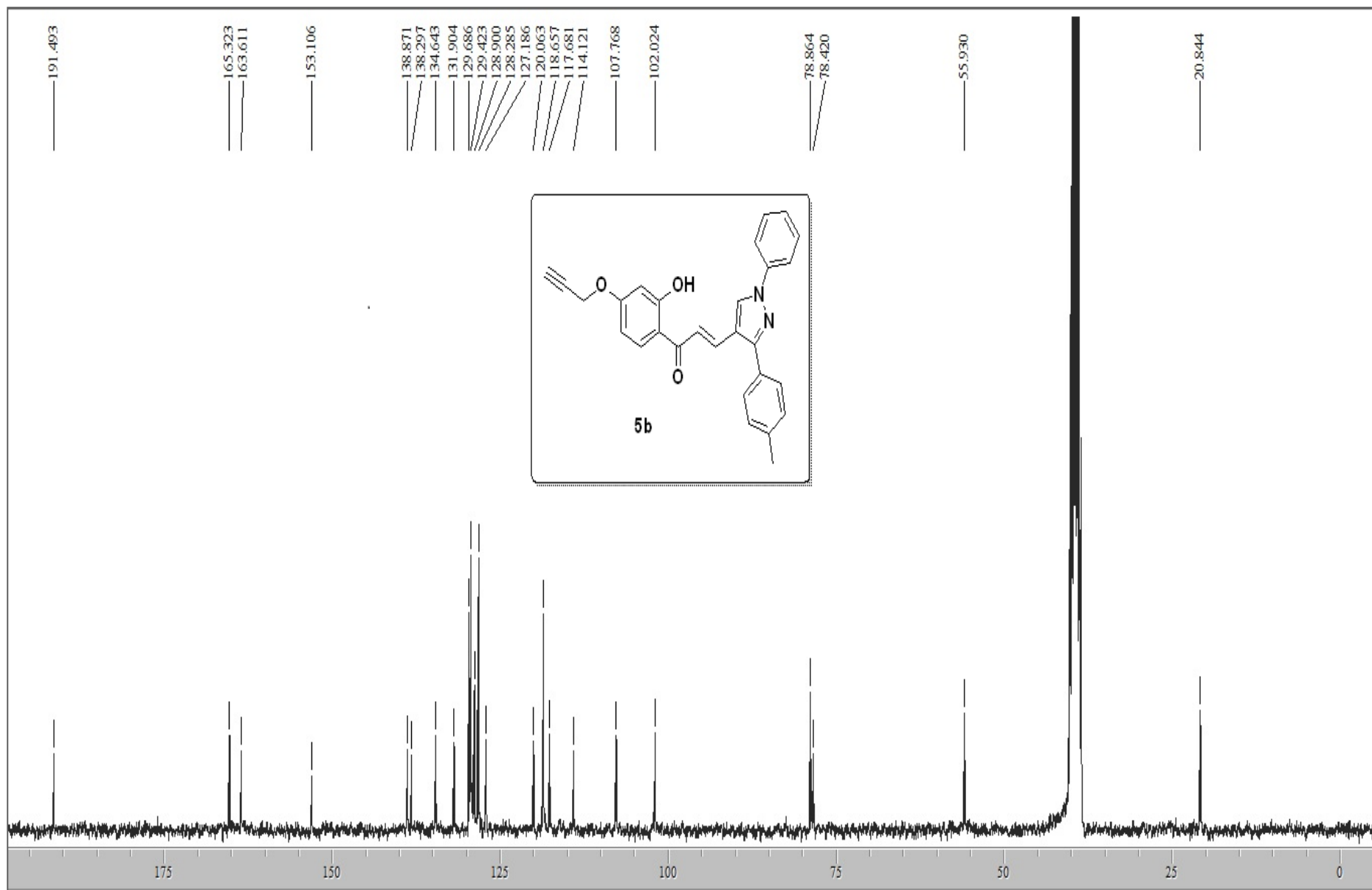


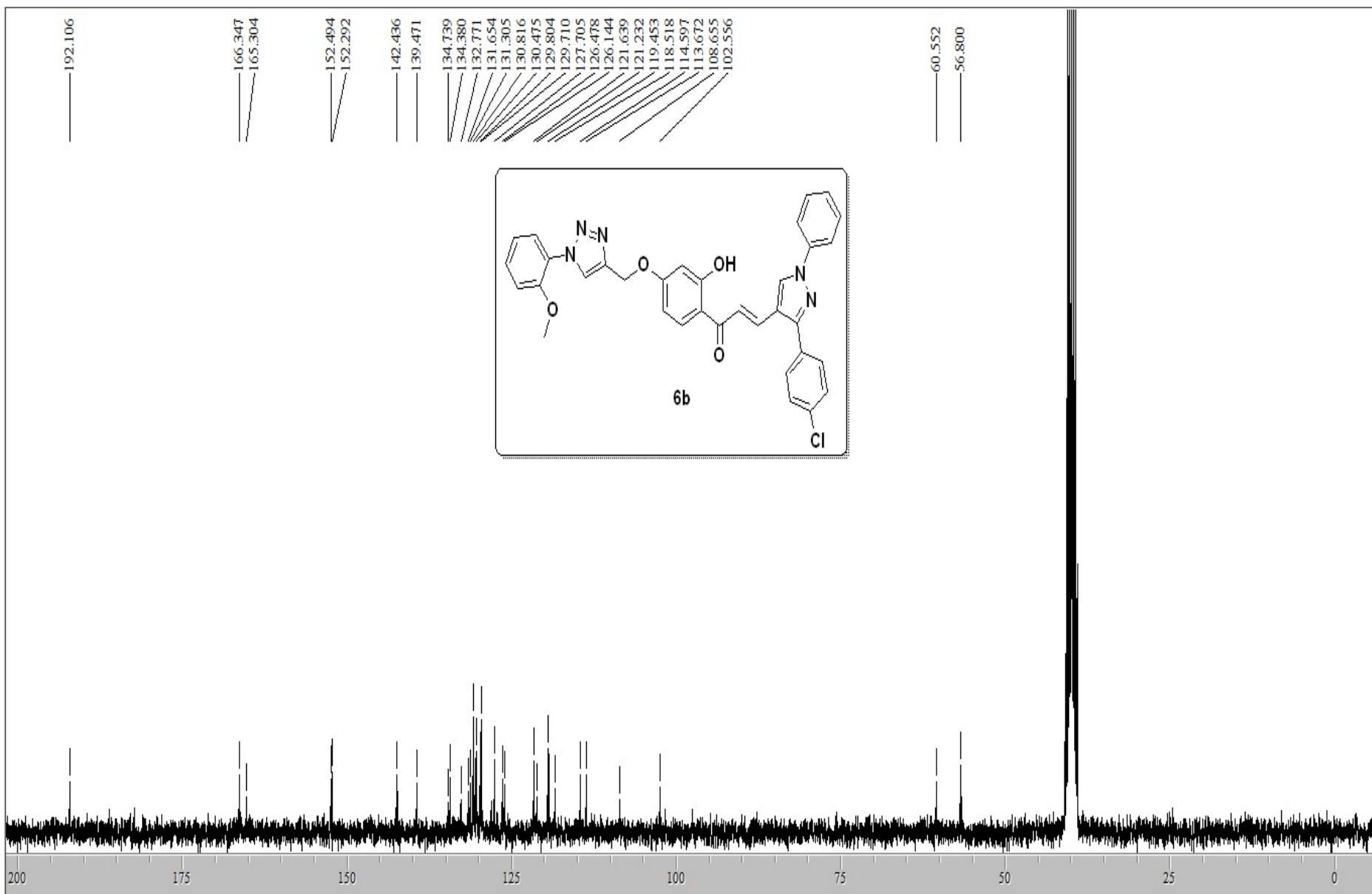


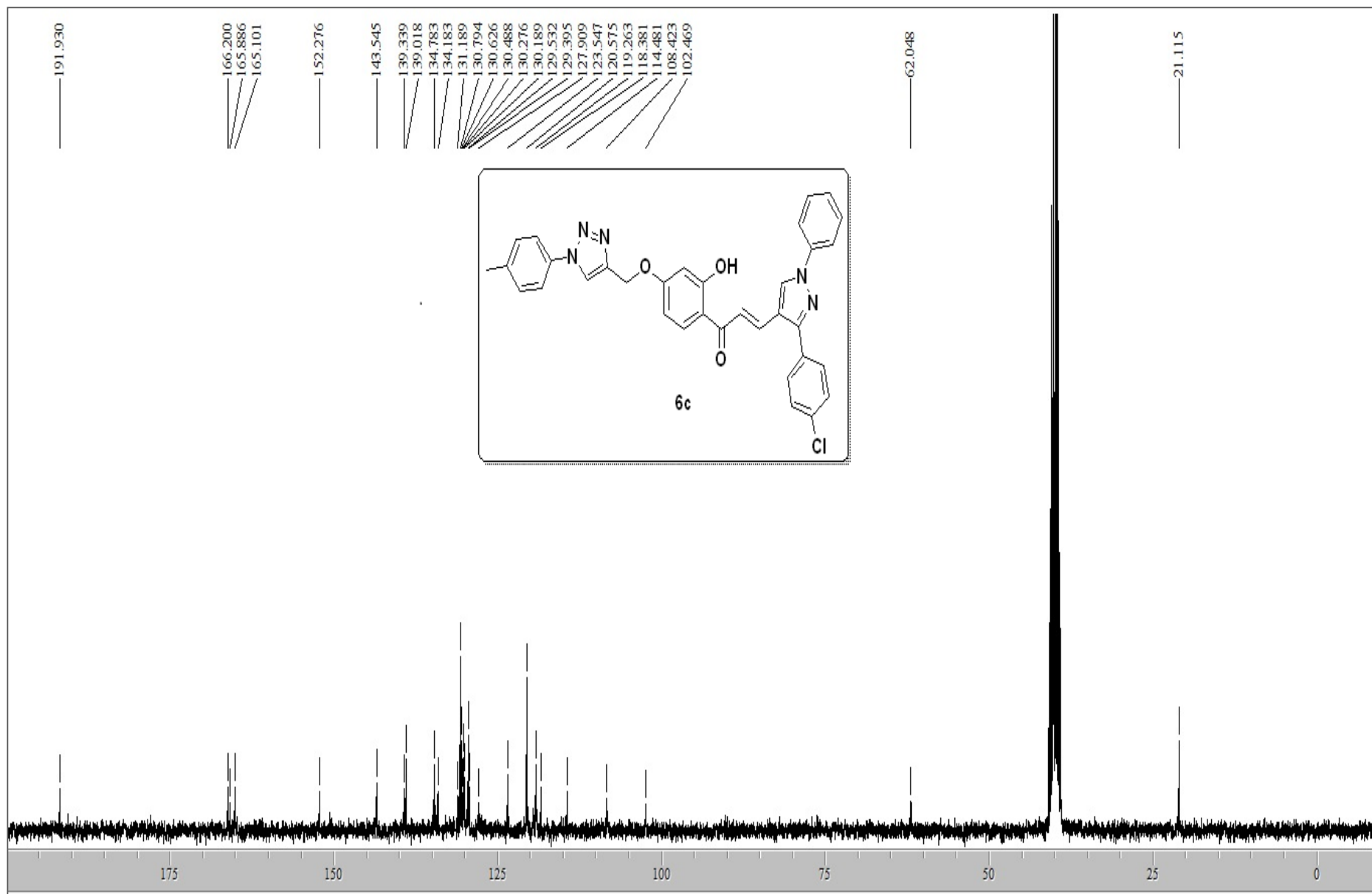


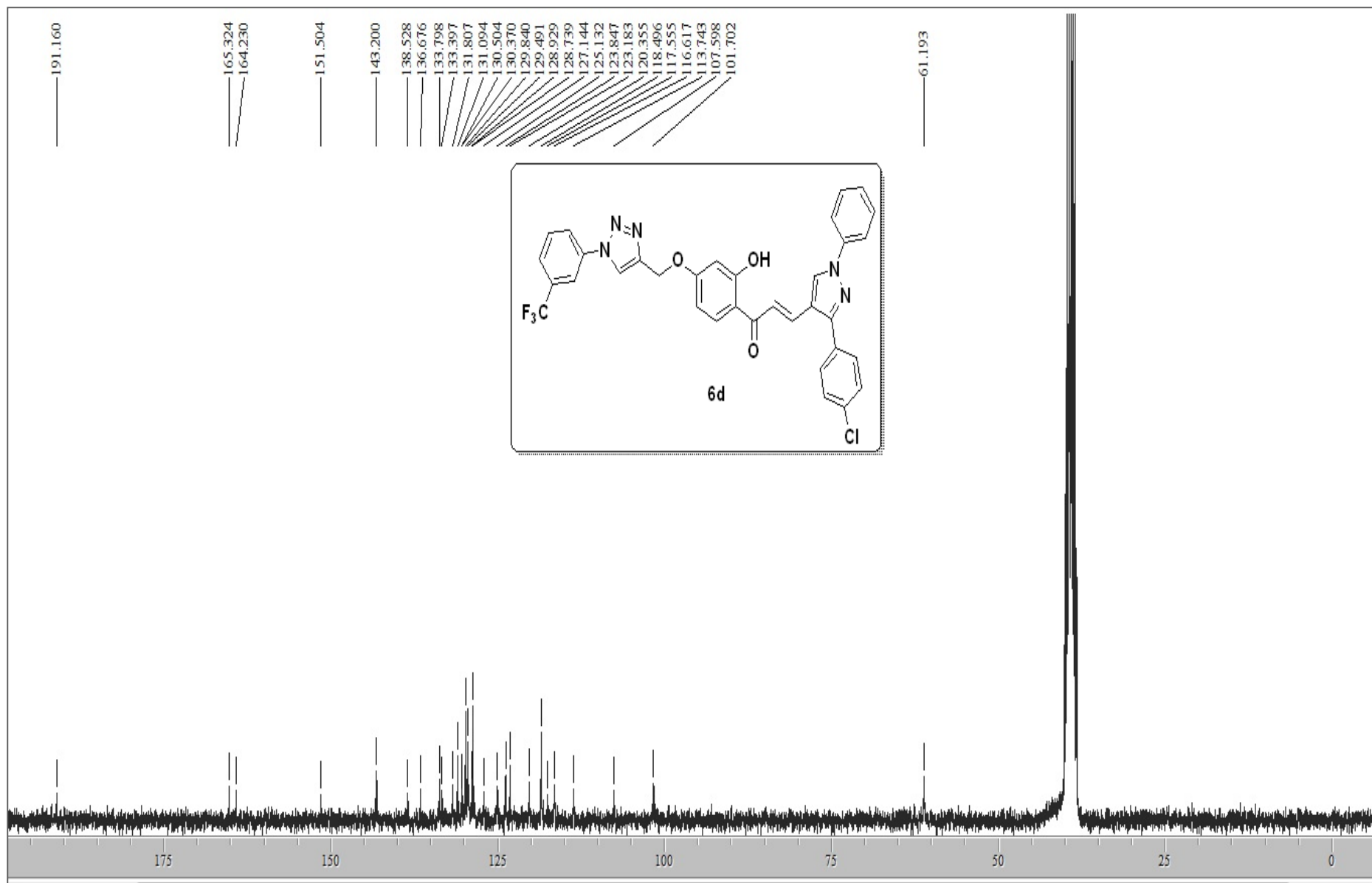
19 ¹³C NMR Spectra of compounds 5a,b and 6a-j:

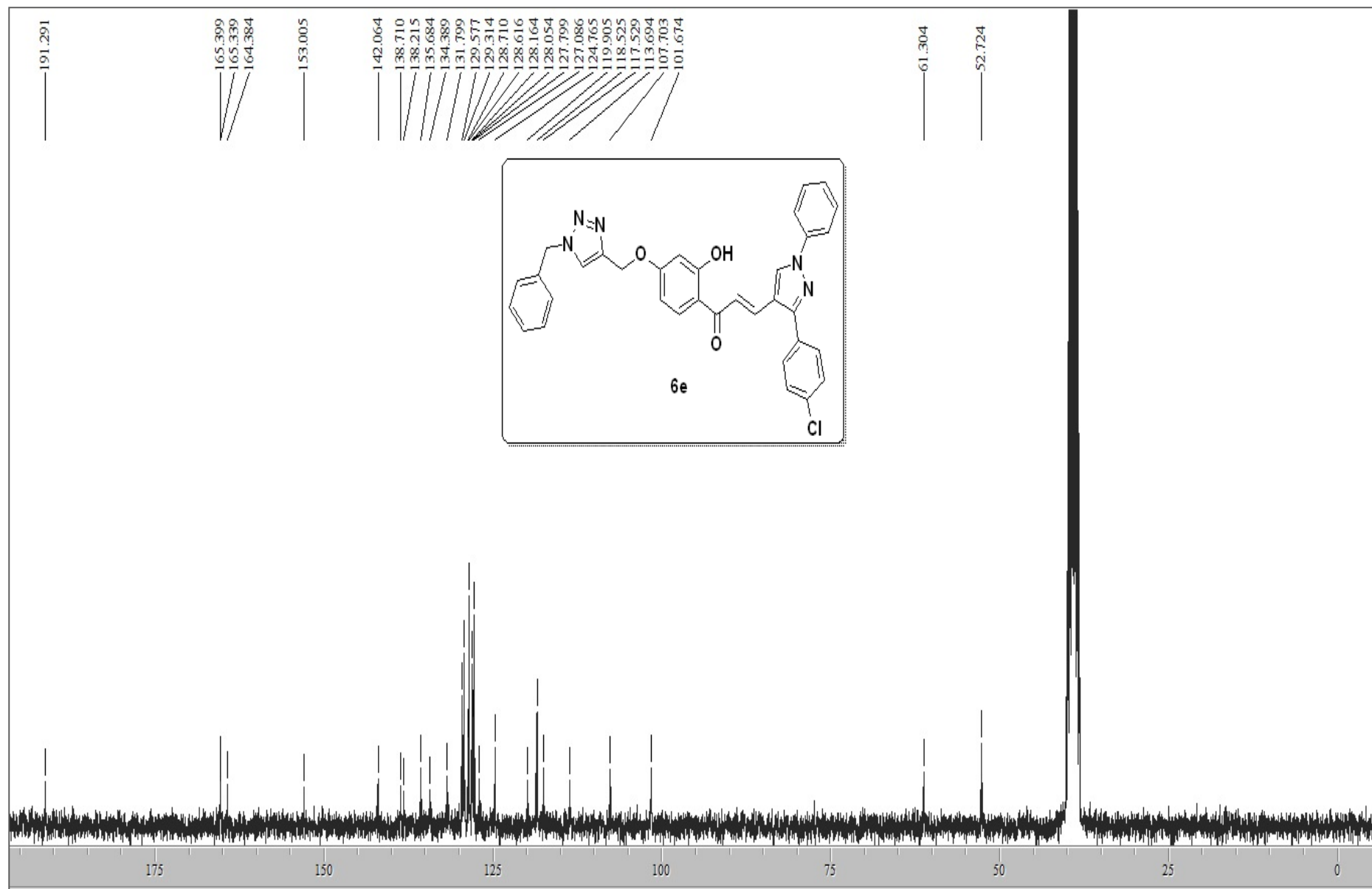


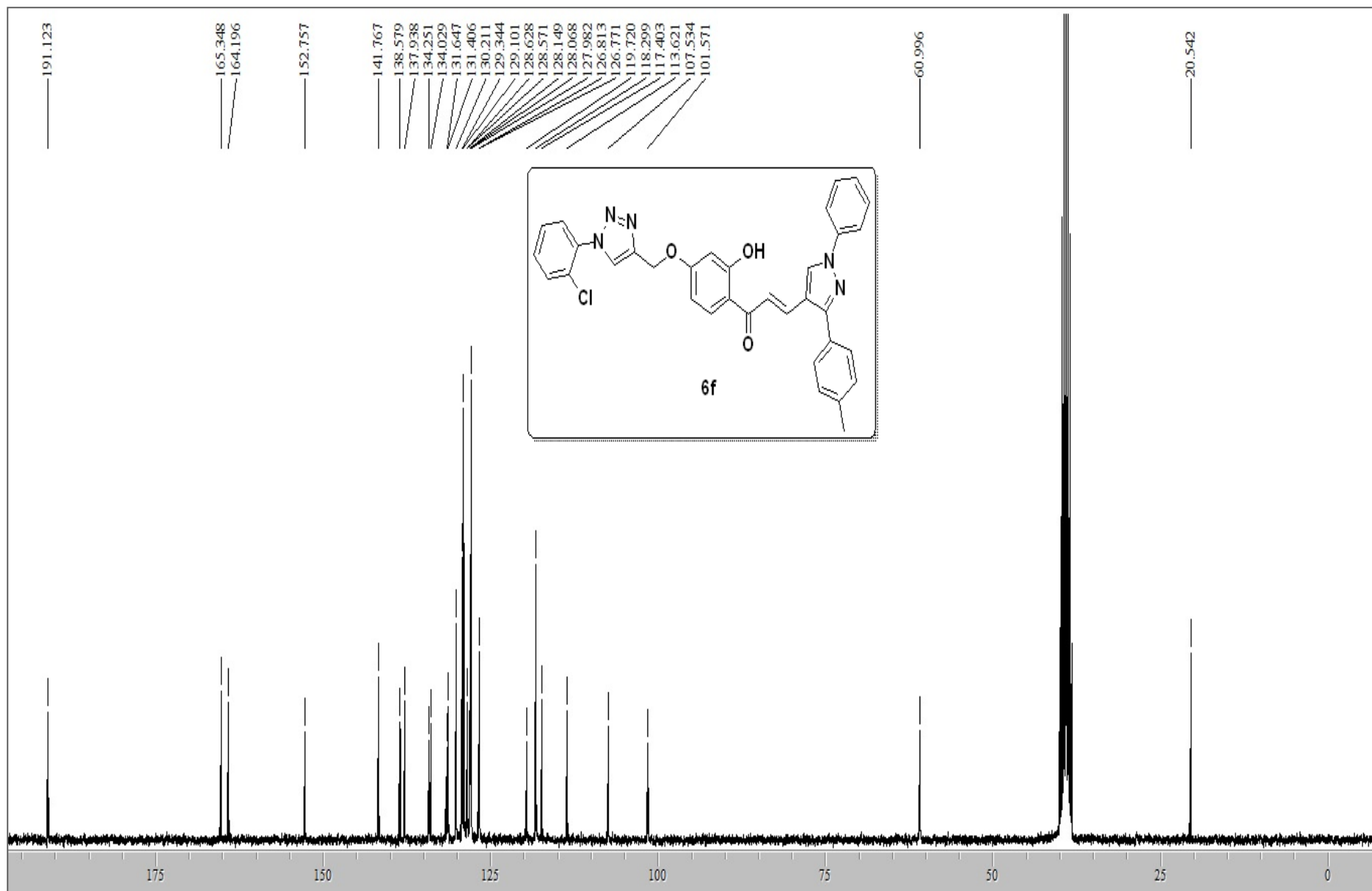












191.123

165.348

164.196

152.757

141.767

138.579

137.938

134.251

134.029

131.647

131.406

130.211

129.344

129.101

128.628

128.571

128.149

128.068

127.982

126.813

126.771

119.720

118.299

117.403

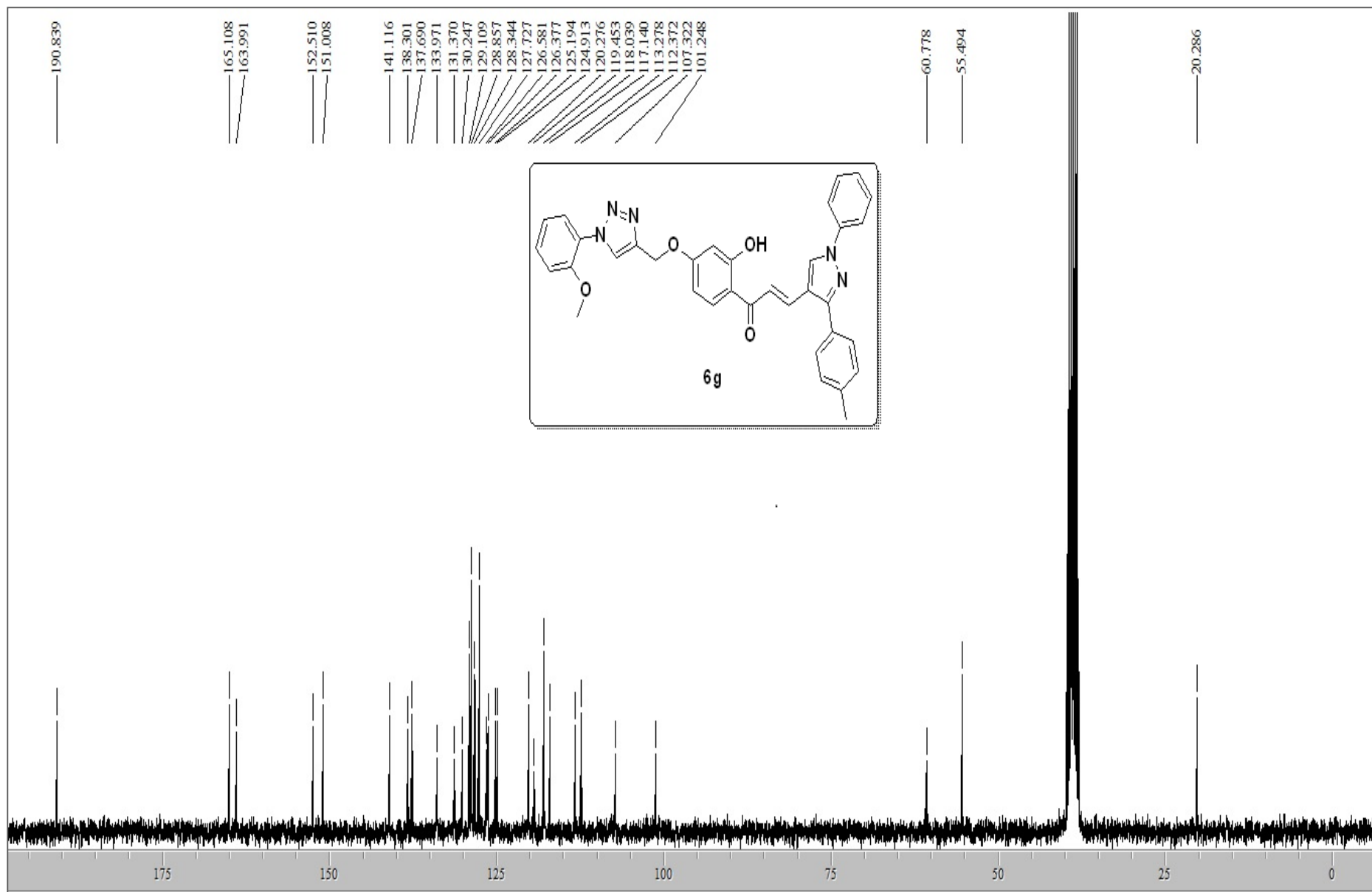
113.621

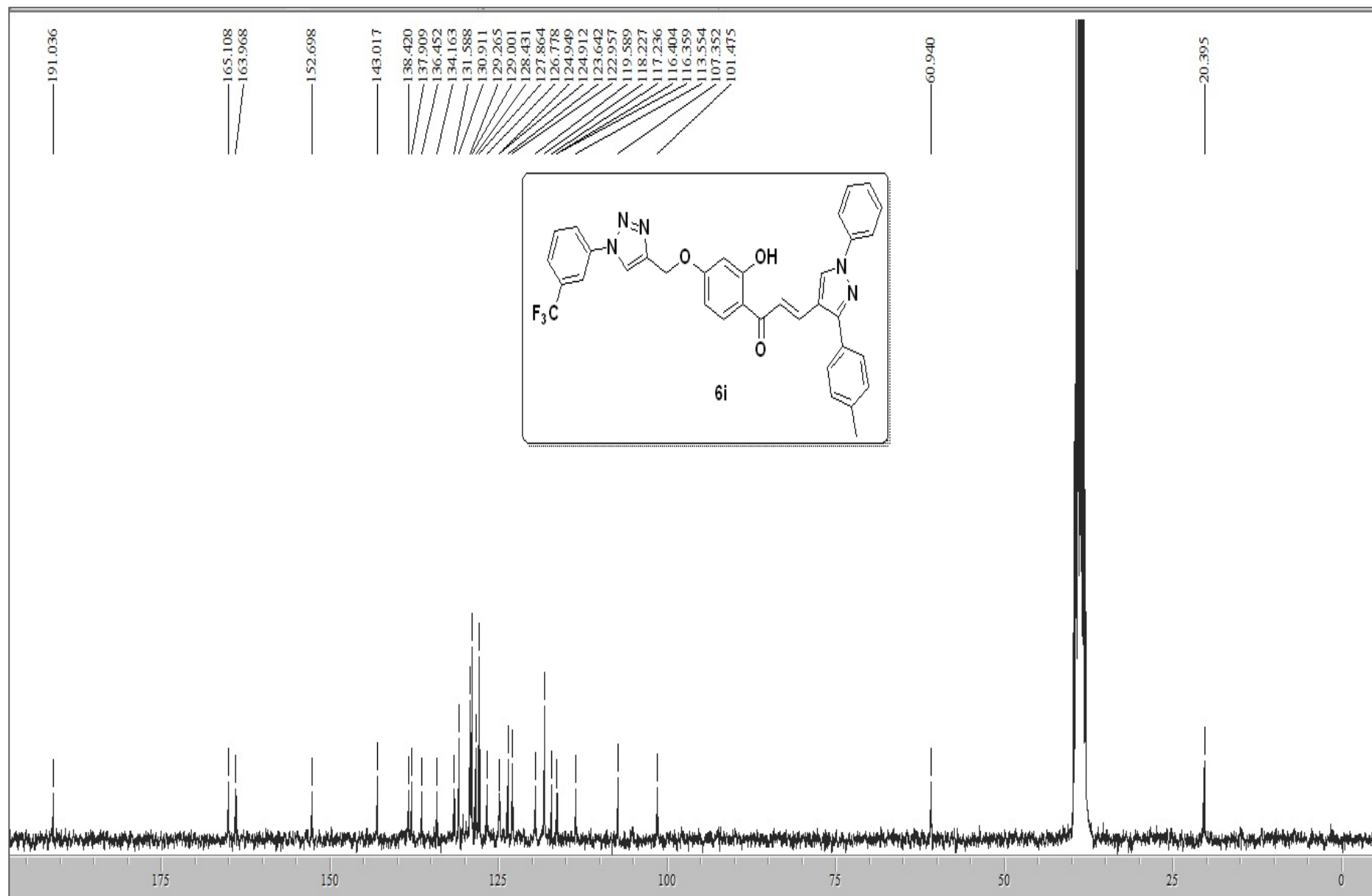
107.534

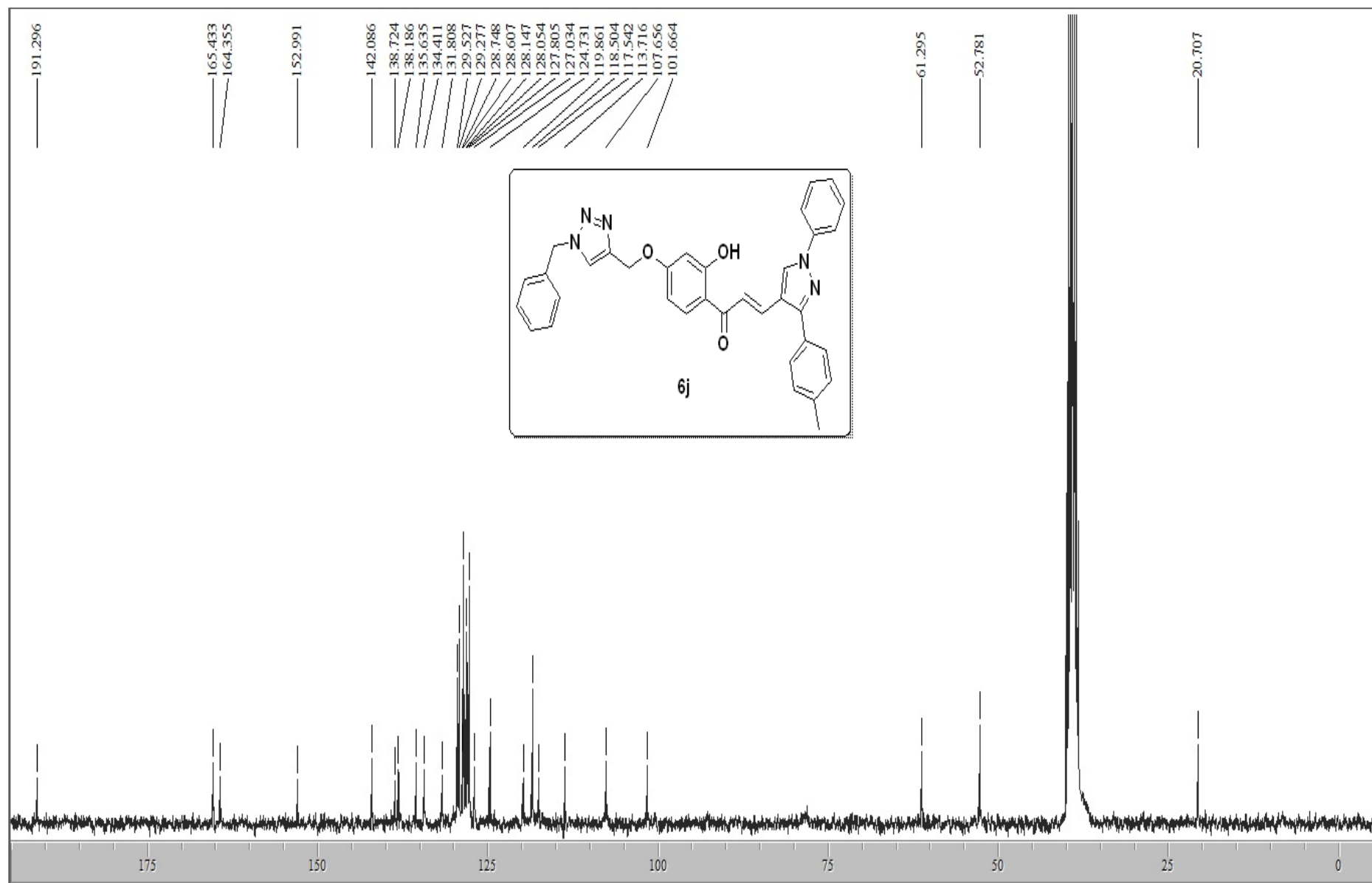
101.571

60.996

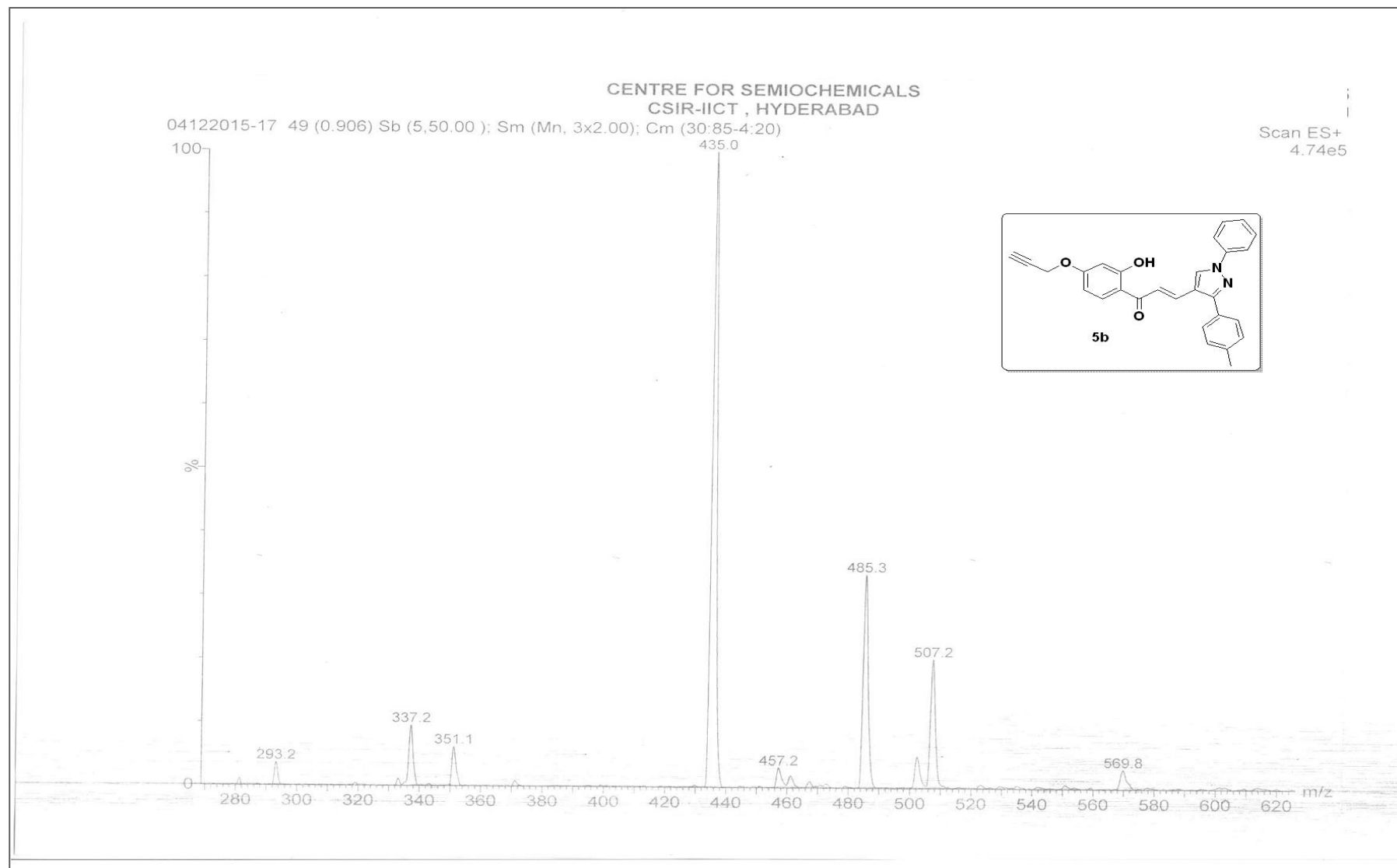
20.542







30 **Mass Spectra of compounds 5a,b and 6a-j:**



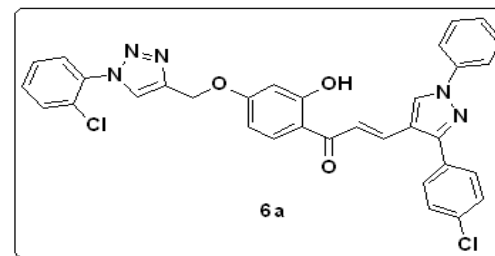
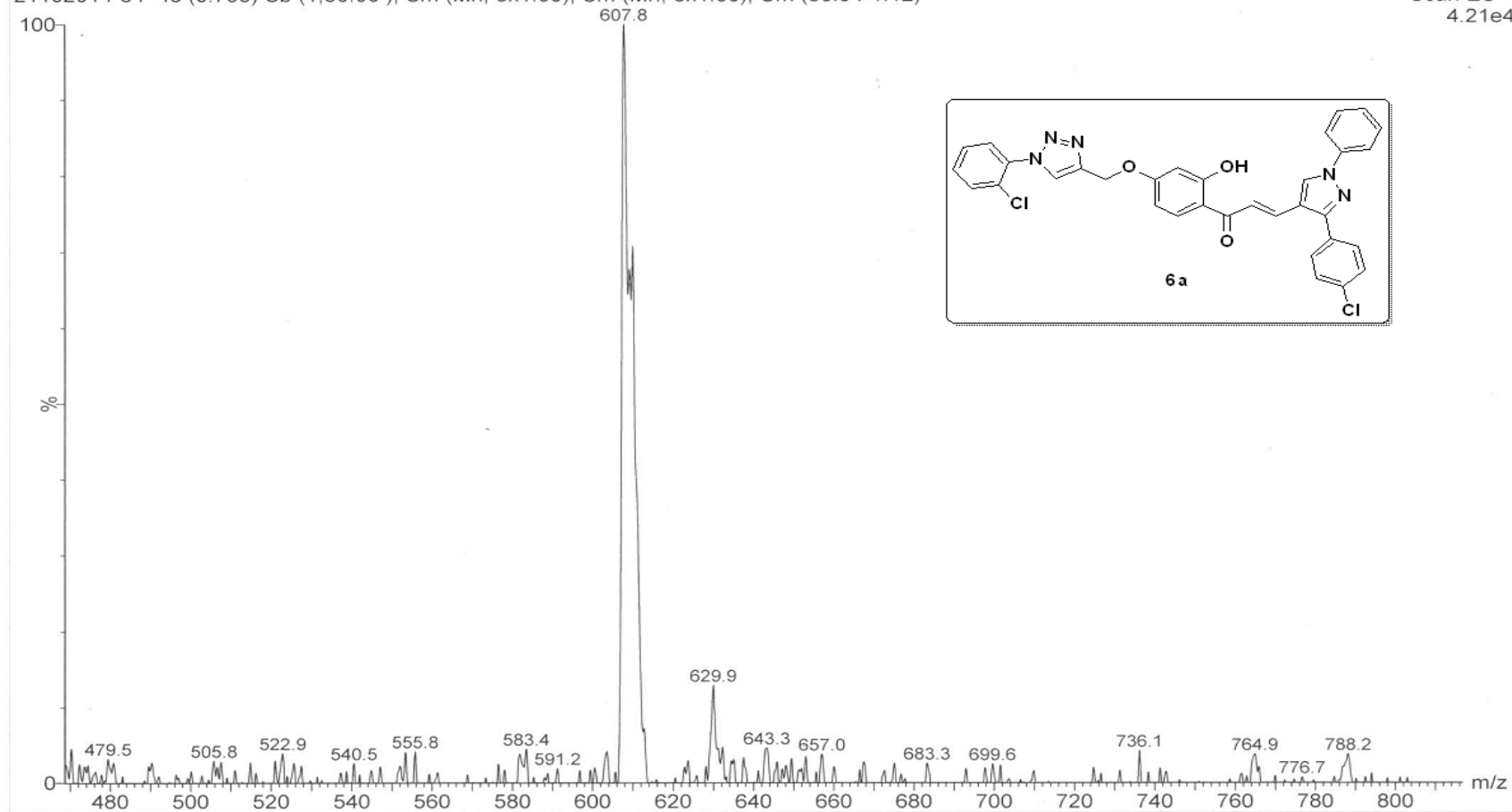
31

CENTRE FOR SEMIOCHEMICALS
CSIR - IICT , HYDERABAD

LC MS >> ESI

21102014-34 43 (0.795) Sb (1,50.00); Sm (Mn, 3x1.00); Sm (Mn, 3x1.00); Cm (30:94-1:12)

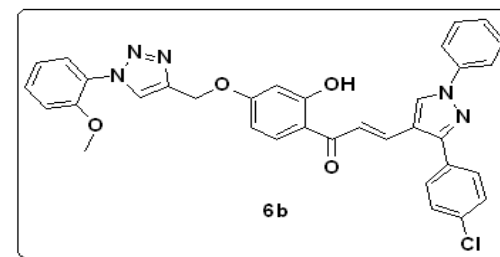
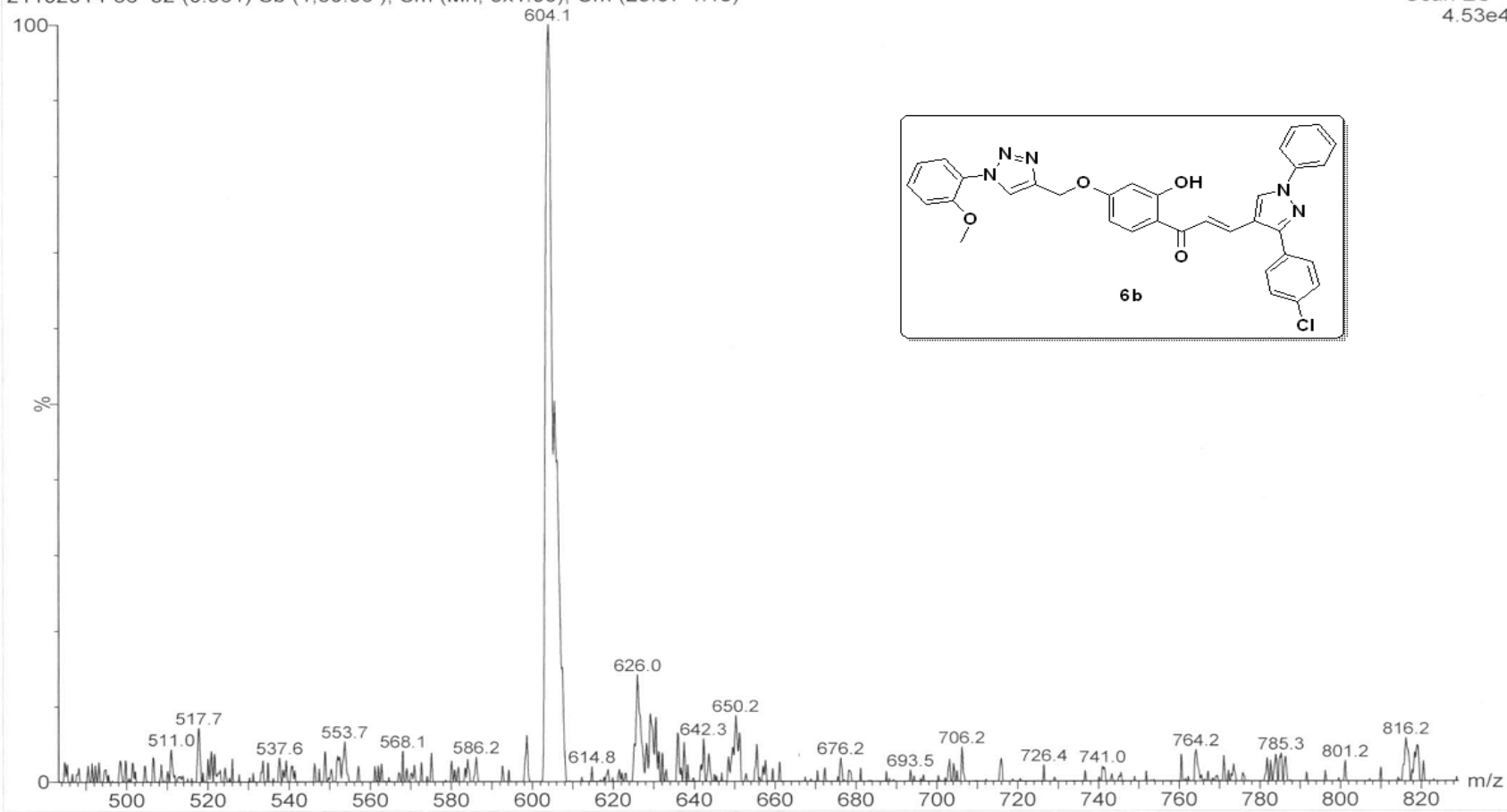
Scan ES+
4.21e4



CENTRE FOR SEMIOCHEMICALS
CSIR - IICT , HYDERABAD

LC MS >> ESI
Scan ES+
4.53e4

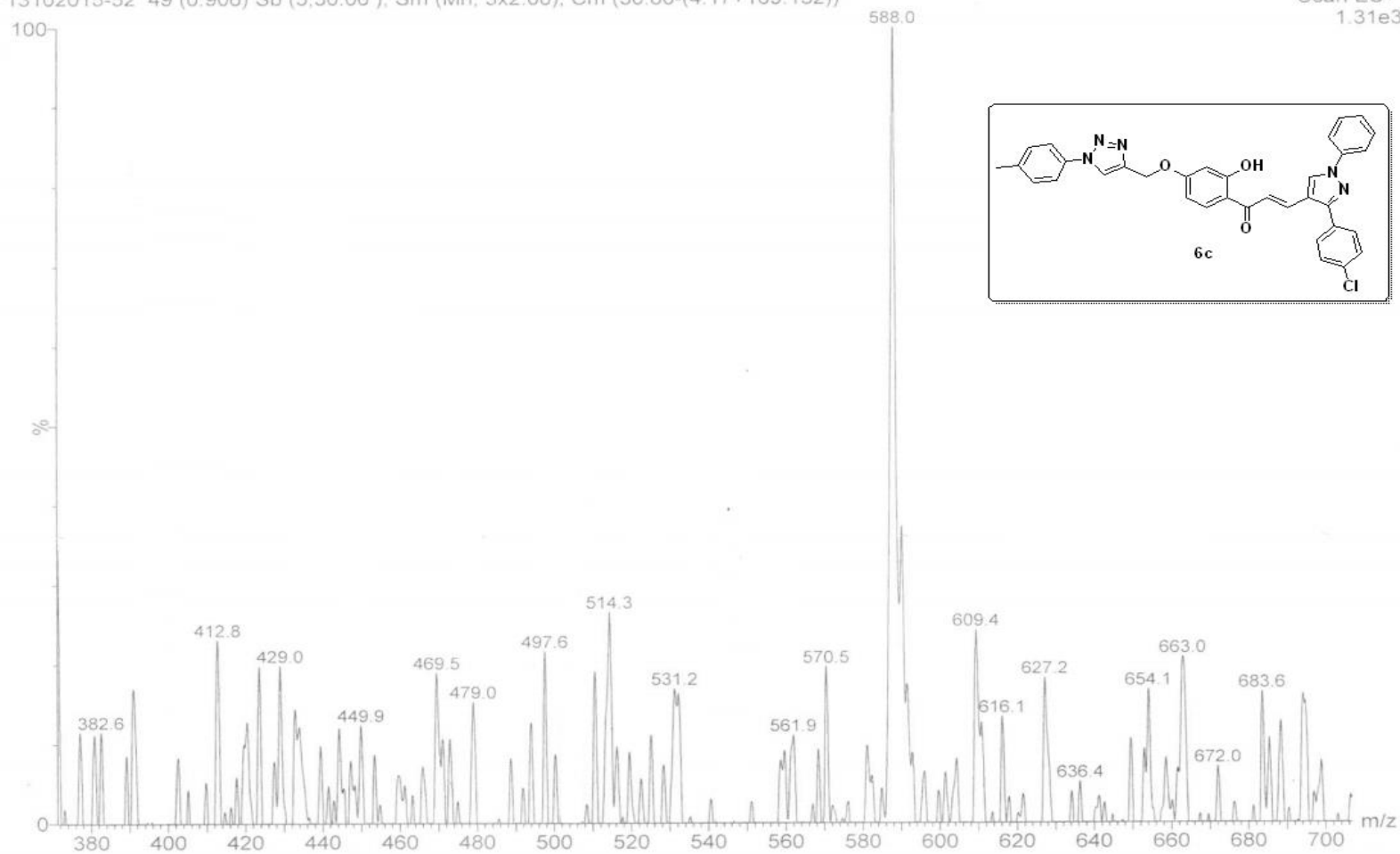
21102014-36 52 (0.961) Sb (1,50.00); Sm (Mn, 3x1.00); Cm (29:97-1:15)



CENTRE FOR SEMIOCHEMICALS
CSIR-IICT, HYDERABAD

13102015-52 49 (0.906) Sb (5,50.00); Sm (Mn, 3x2.00); Cm (30:80-(4:17+109:132))

Scan ES+
1.31e3

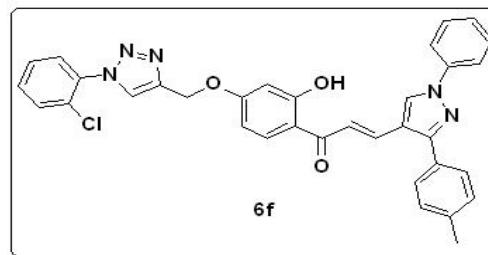
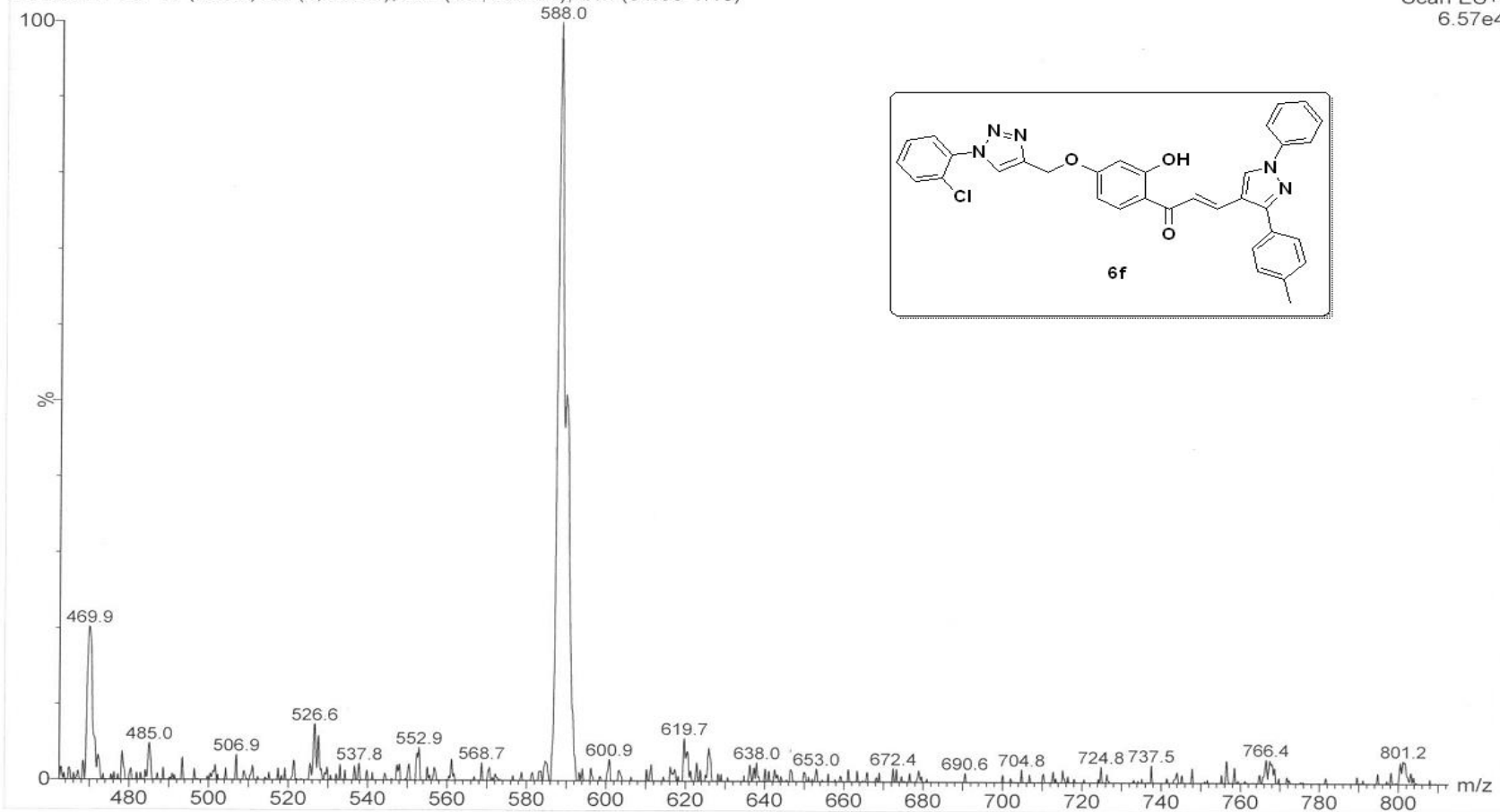


CENTRE FOR SEMIOCHEMICALS
CSIR - IICT , HYDERABAD

LC MS >> ESI

21102014-35 47 (0.869) Sb (1,50.00); Sm (Mn, 3x1.00); Cm (31:93-1:13)

Scan ES+
6.57e4

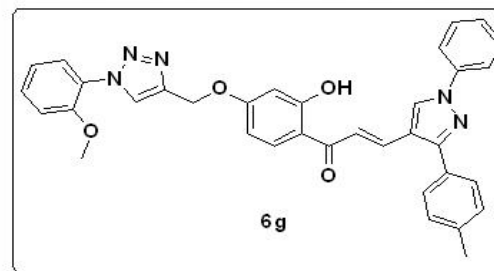
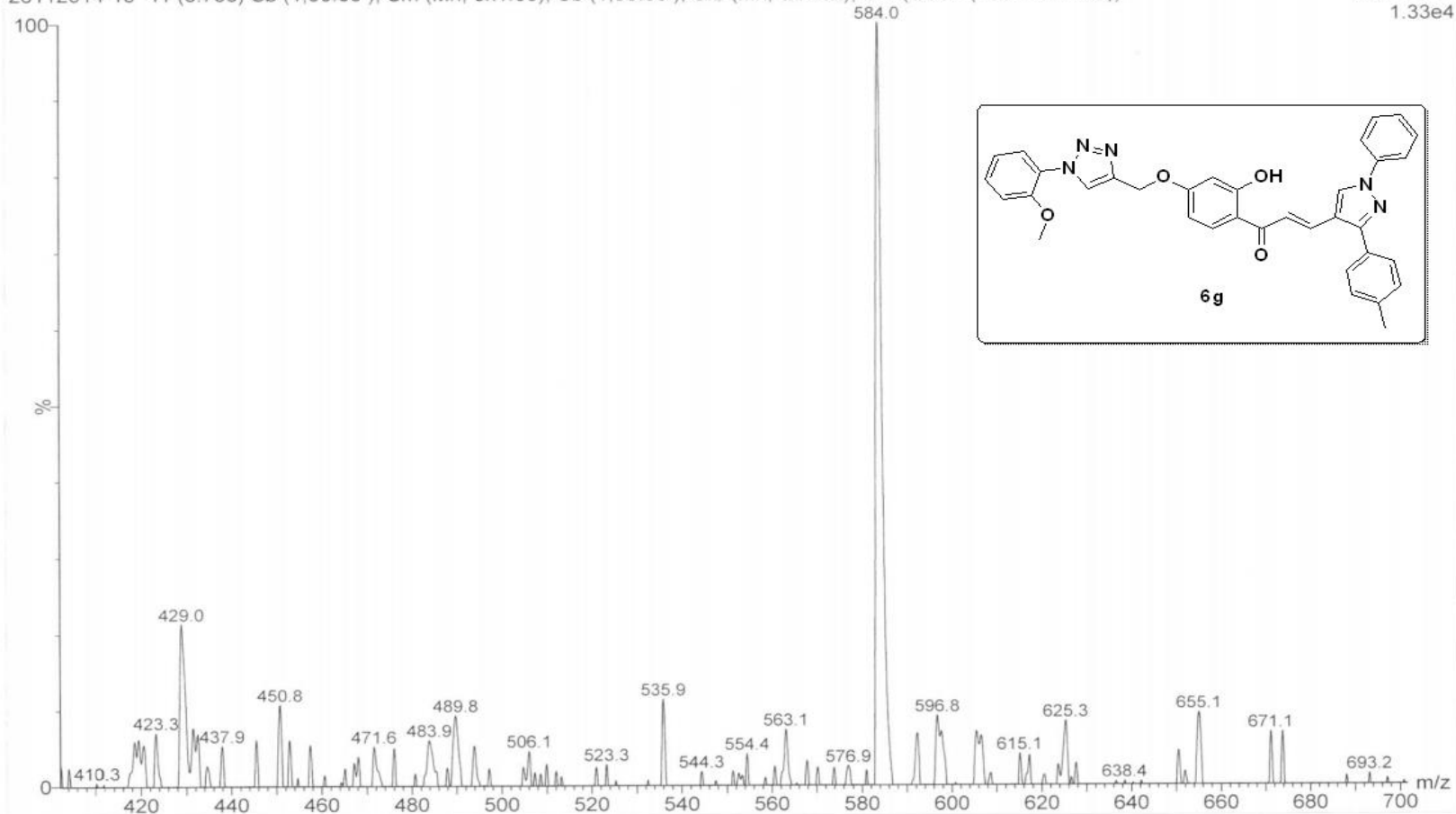


CENTRE FOR SEMIOCHEMICALS
CSIR - IICT, HYDERABAD

LC MS >> ESI

26112014-15 41 (0.758) Sb (1,50.00); Sm (Mn, 3x1.00); Sb (1,50.00); Sm (Mn, 3x1.00); Cm (30:91-(1:21+101:163))

Scan ES+
1.33e4

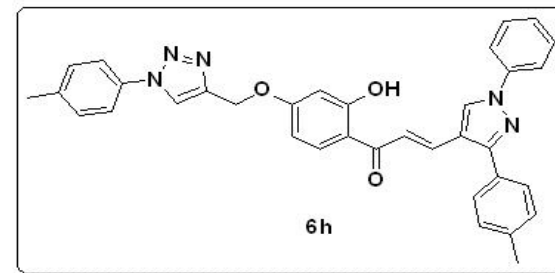
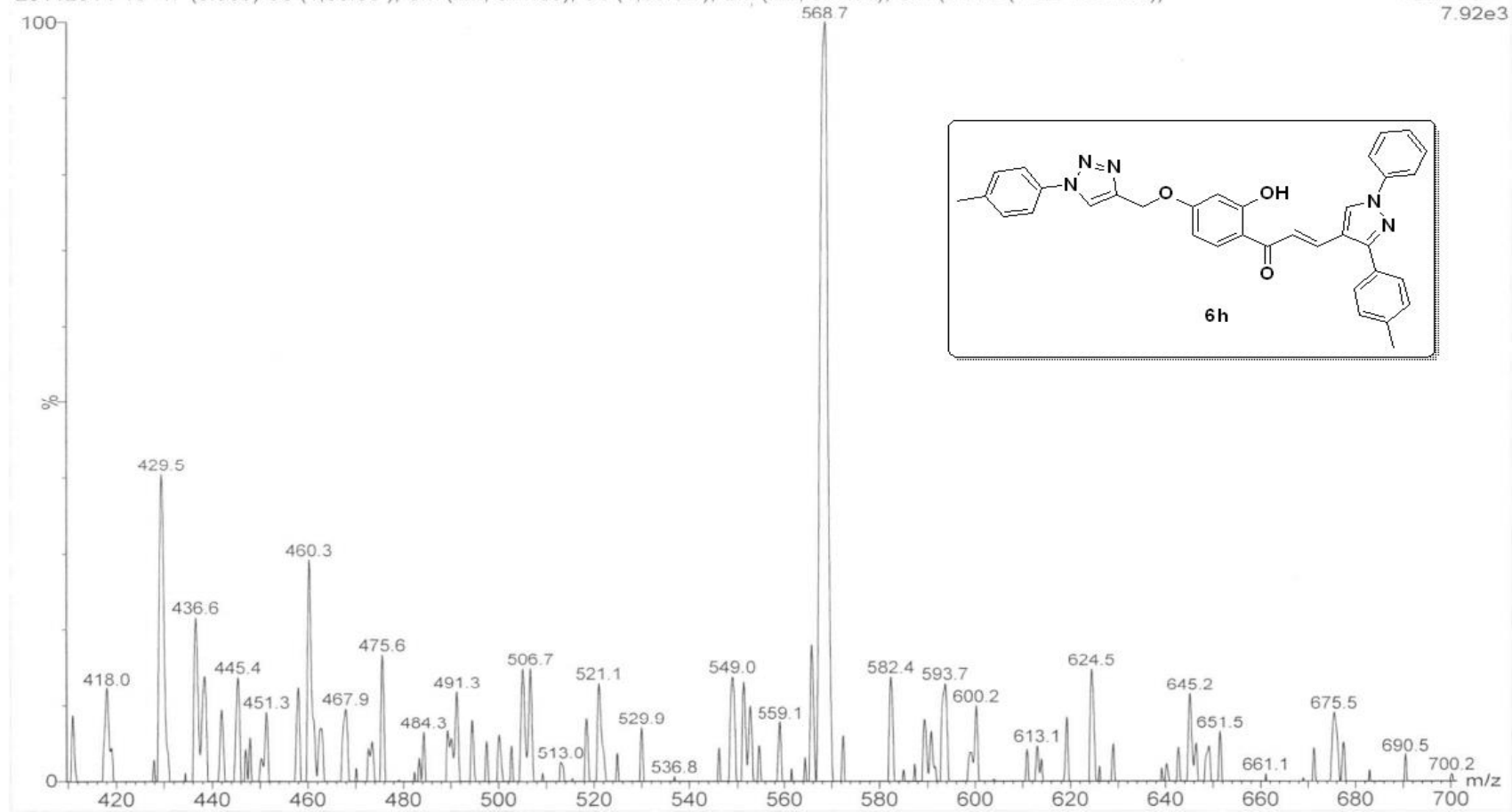


CENTRE FOR SEMIOCHEMICALS
CSIR - IICT , HYDERABAD

LC MS >> ESI

26112014-16 47 (0.869) Sb (1,50.00); Sm (Mn, 3x1.00); Sb (1,50.00); Sm (Mn, 3x1.00); Cm (31:92-(1:22+106:163))

Scan ES+
7.92e3



CENTRE FOR SEMIOCHEMICALS
CSIR-IICT, HYDERABAD

13102015-56 43 (0.795) Sb (5,50.00); Sm (Mn, 3x2.00); Cm (28:82-(9:17+110:124))

Scan ES+
2.14e3

