

Supplementary Materials for: *Catalysts* (MPDI)

2-Aminobenzothiazole-Containing Copper(II) Complex as Catalyst in Click Chemistry: An Experimental and Theoretical Study

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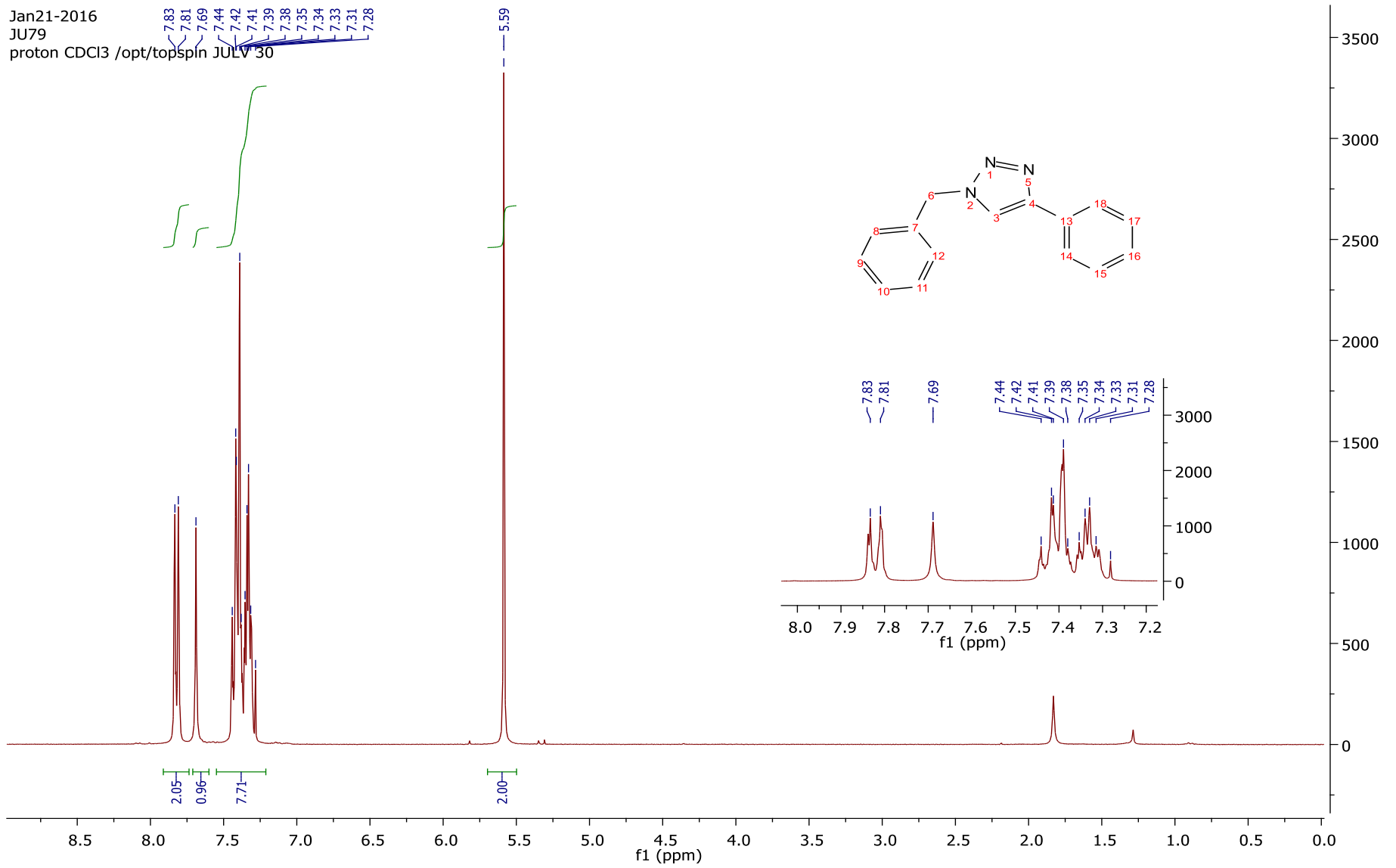
* Correspondence: bahsis.lahoucine@gmail.com (L.B.); stiriba@uv.es (S.-E.S.)

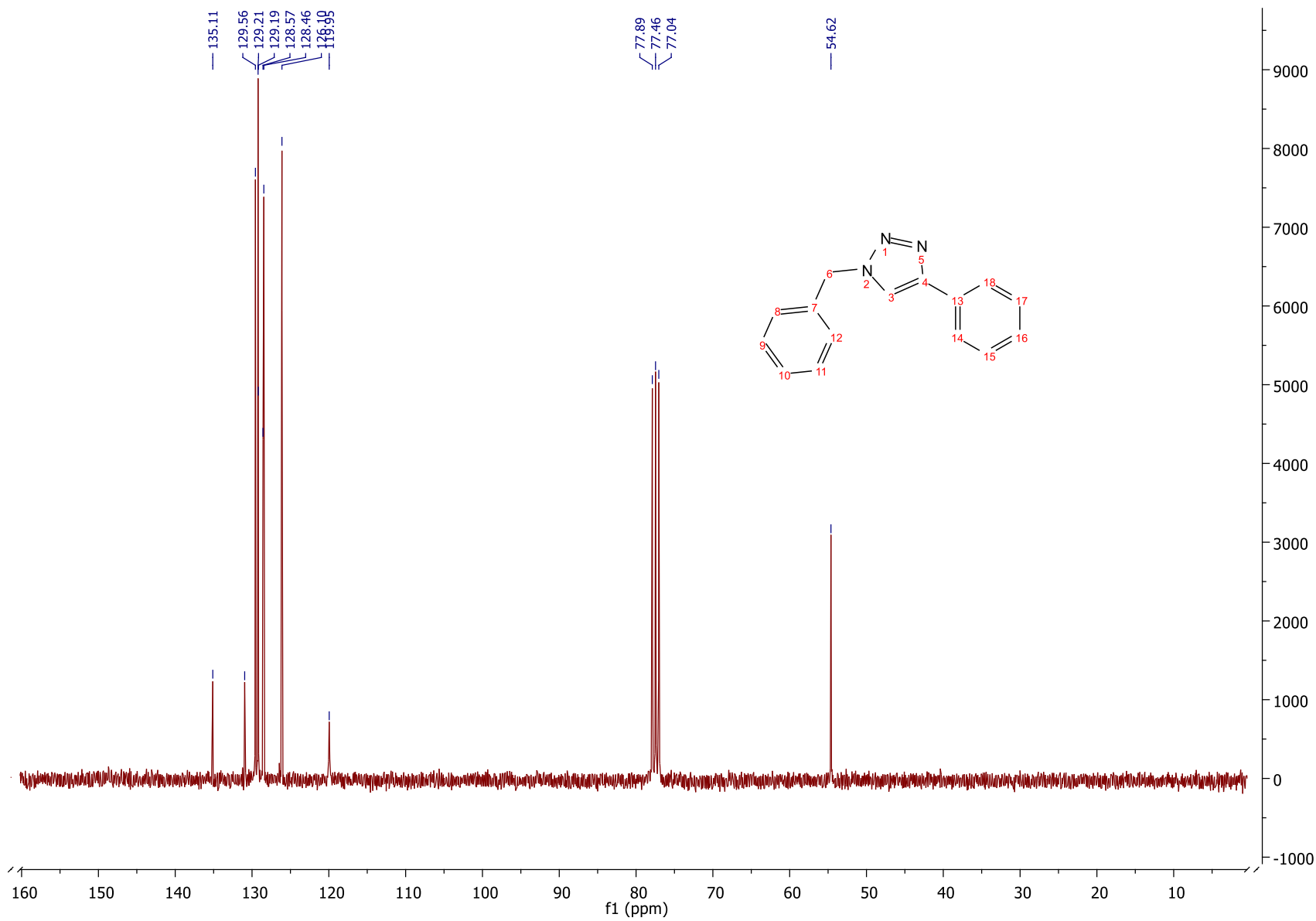
1-Benzyl-4-phenyl-1H-1,2,3-triazole (3a)

Jan21-2016

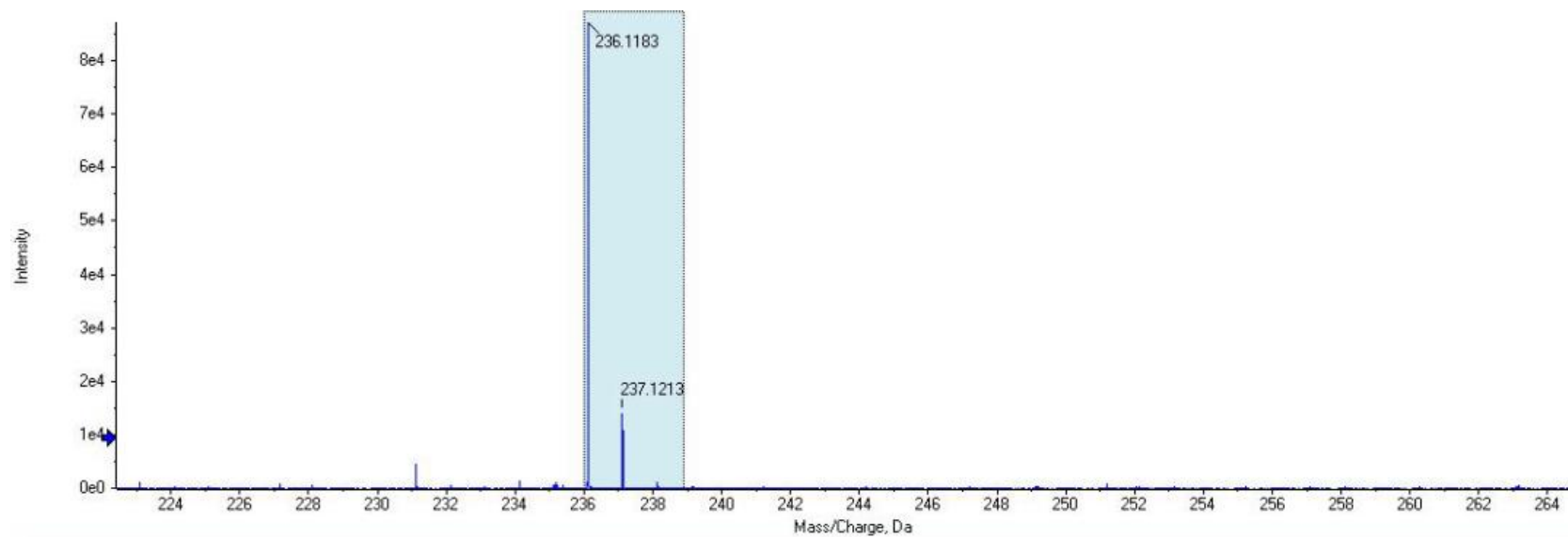
JU79

proton CDCl3 /opt/topspin JULV 30





S3



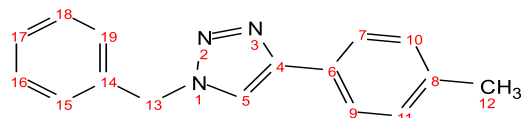
1- Benzyl-4-p-tolyl-1H-1,2,3-triazole (3b)

Jan21-2016
JU80
proton CDCl3 /opt/topspin

7.73
7.70
7.66
7.42
7.40
7.39
7.38
7.34
7.33
7.32
7.31
7.28
7.24
7.22

5.59

2.38



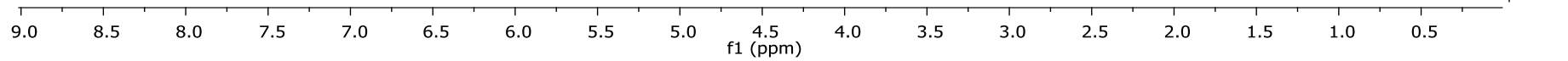
7.42
7.40
7.39
7.38
7.34
7.33
7.32
7.31
7.28
7.24
7.22

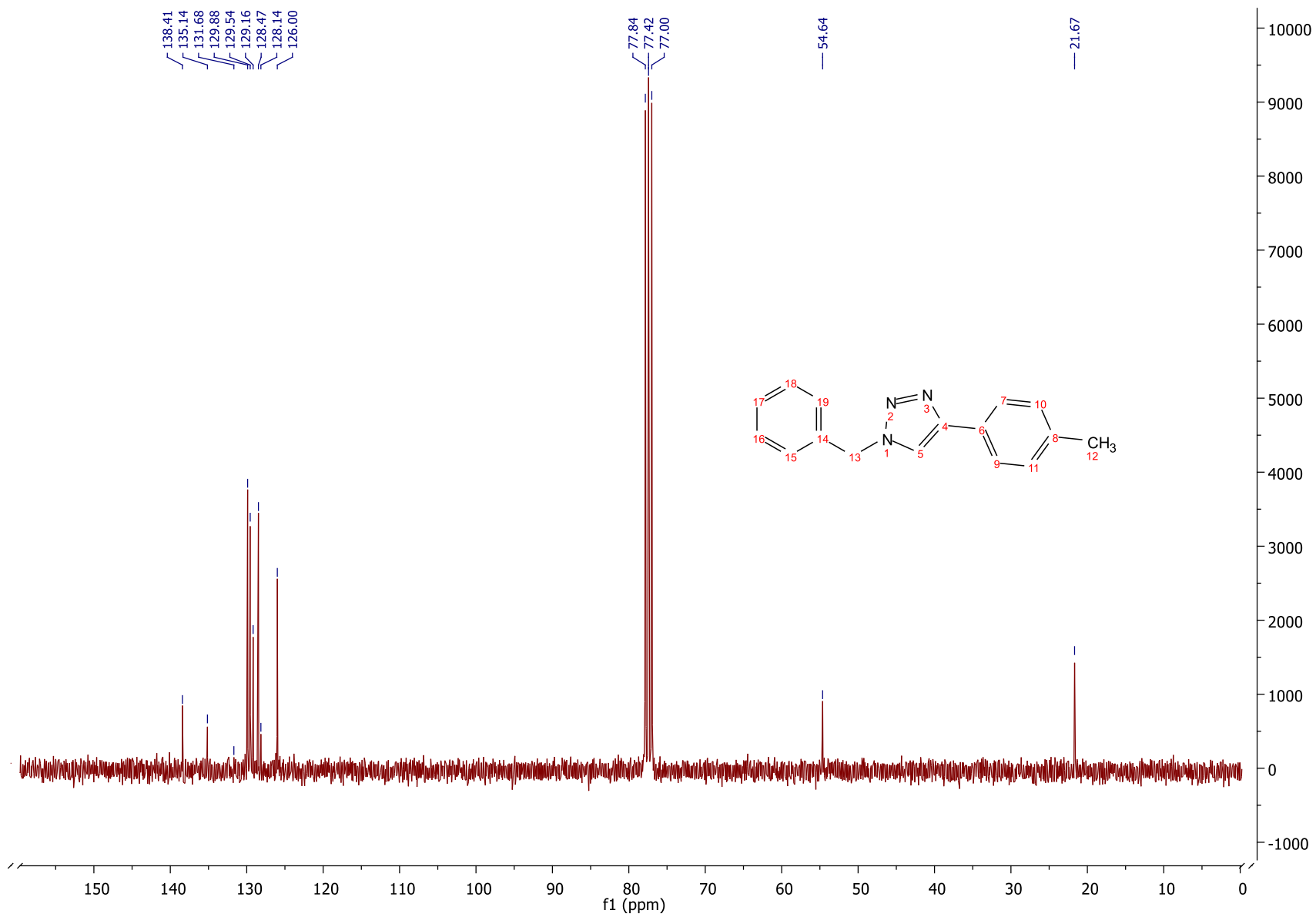
7.50 7.45 7.40 7.35 7.30 7.25 7.20 7.15
f1 (ppm)

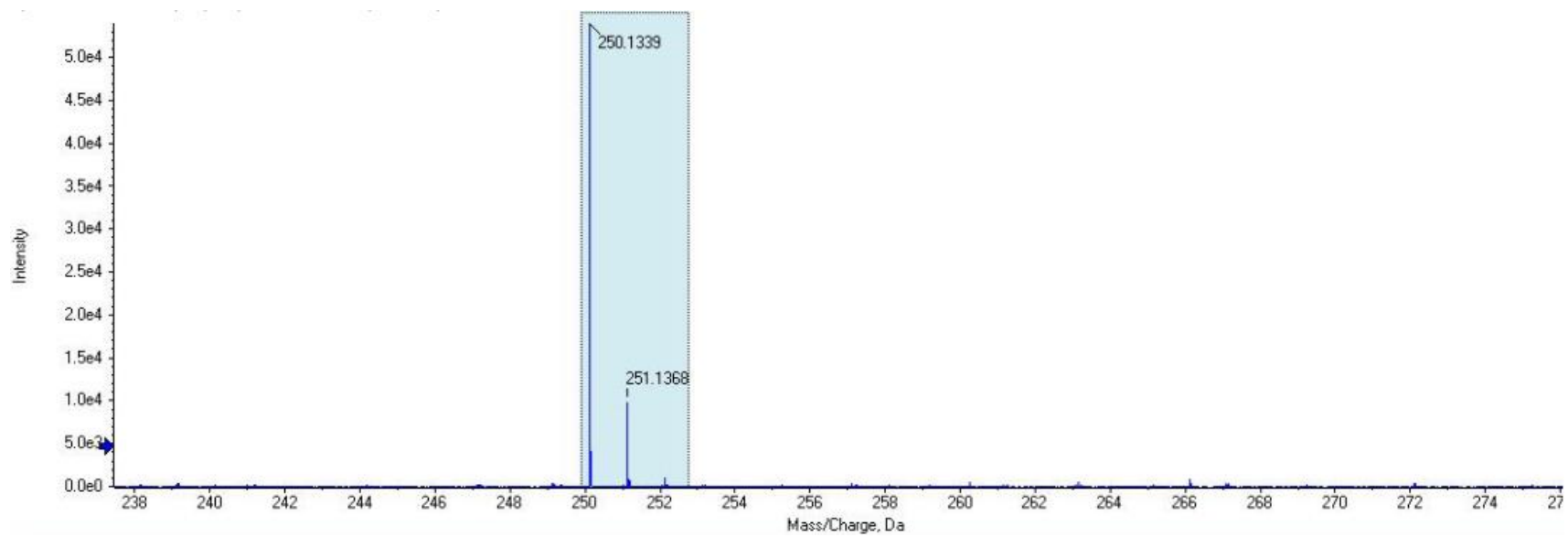
2.99
7.46

2.06

3.00

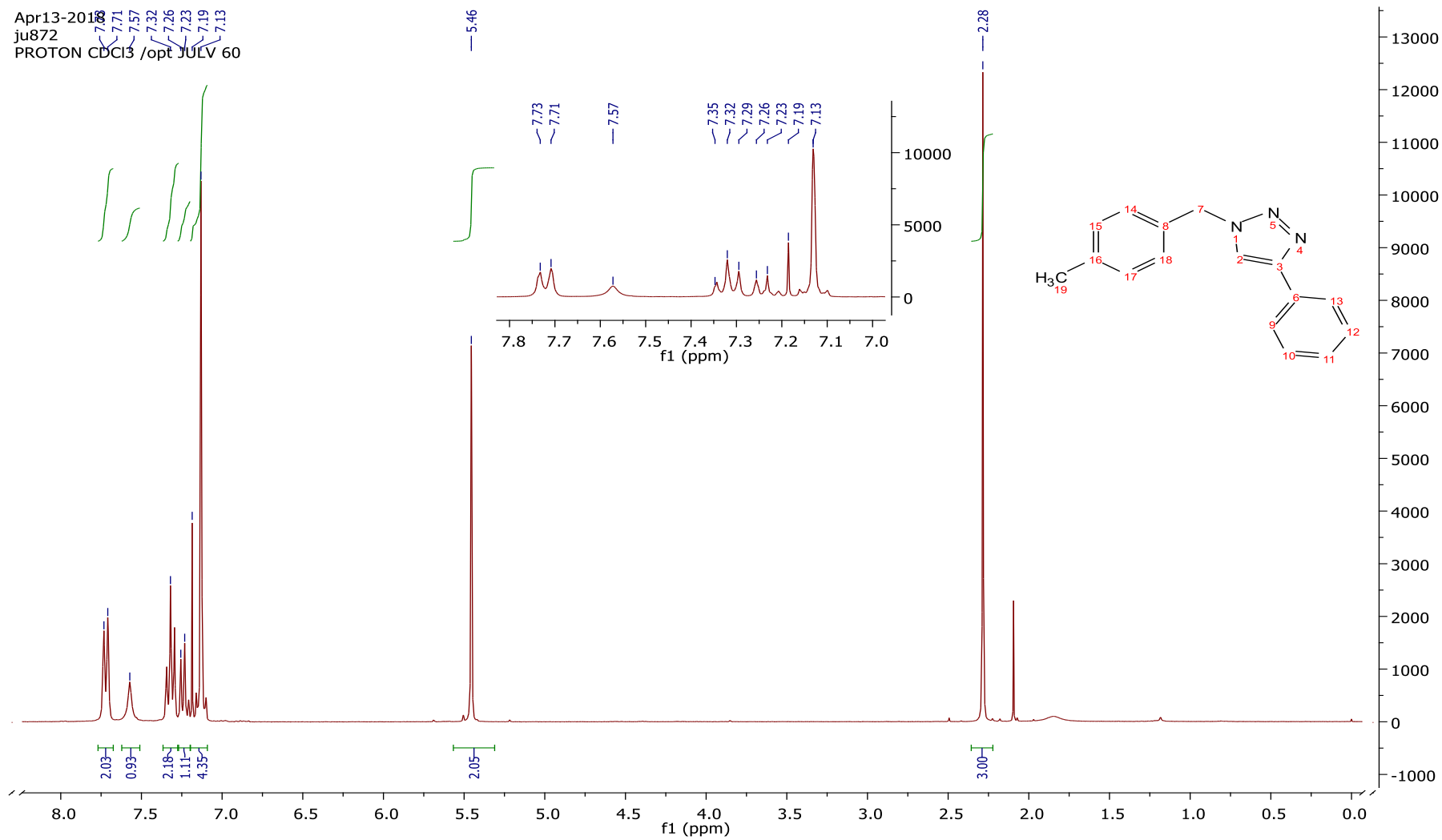




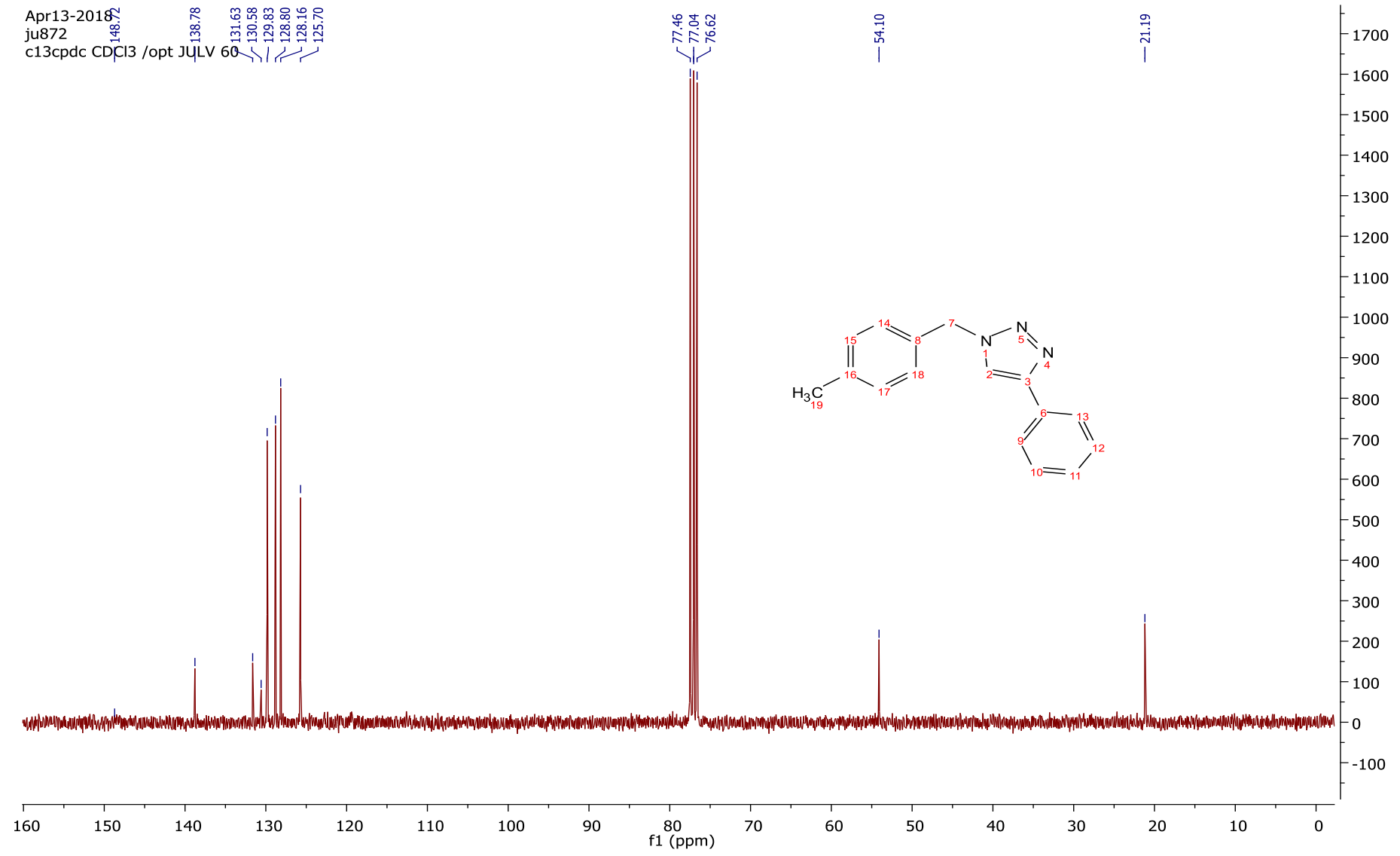


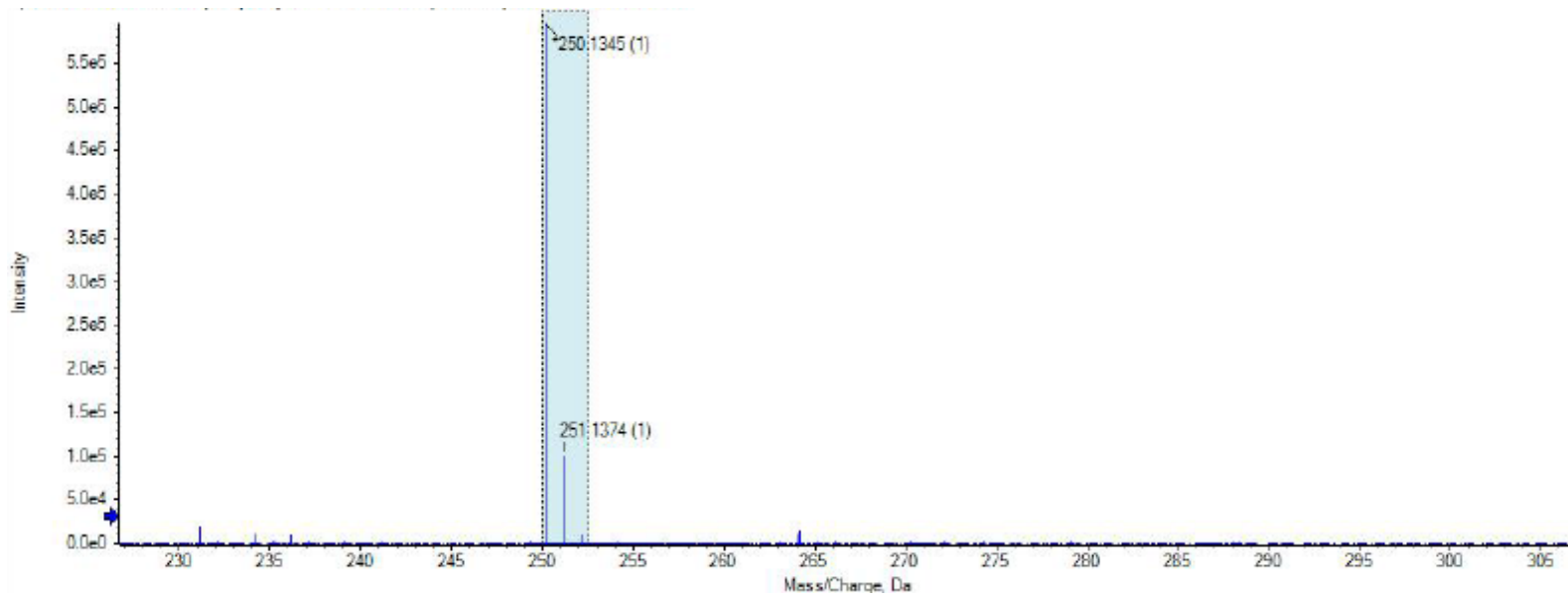
1-(4-methylbenzyl)-4-phenyl-1H-1,2,3-triazole (3c)

Apr13-2018
ju872
PROTON CDCl3 /opt JULV 60



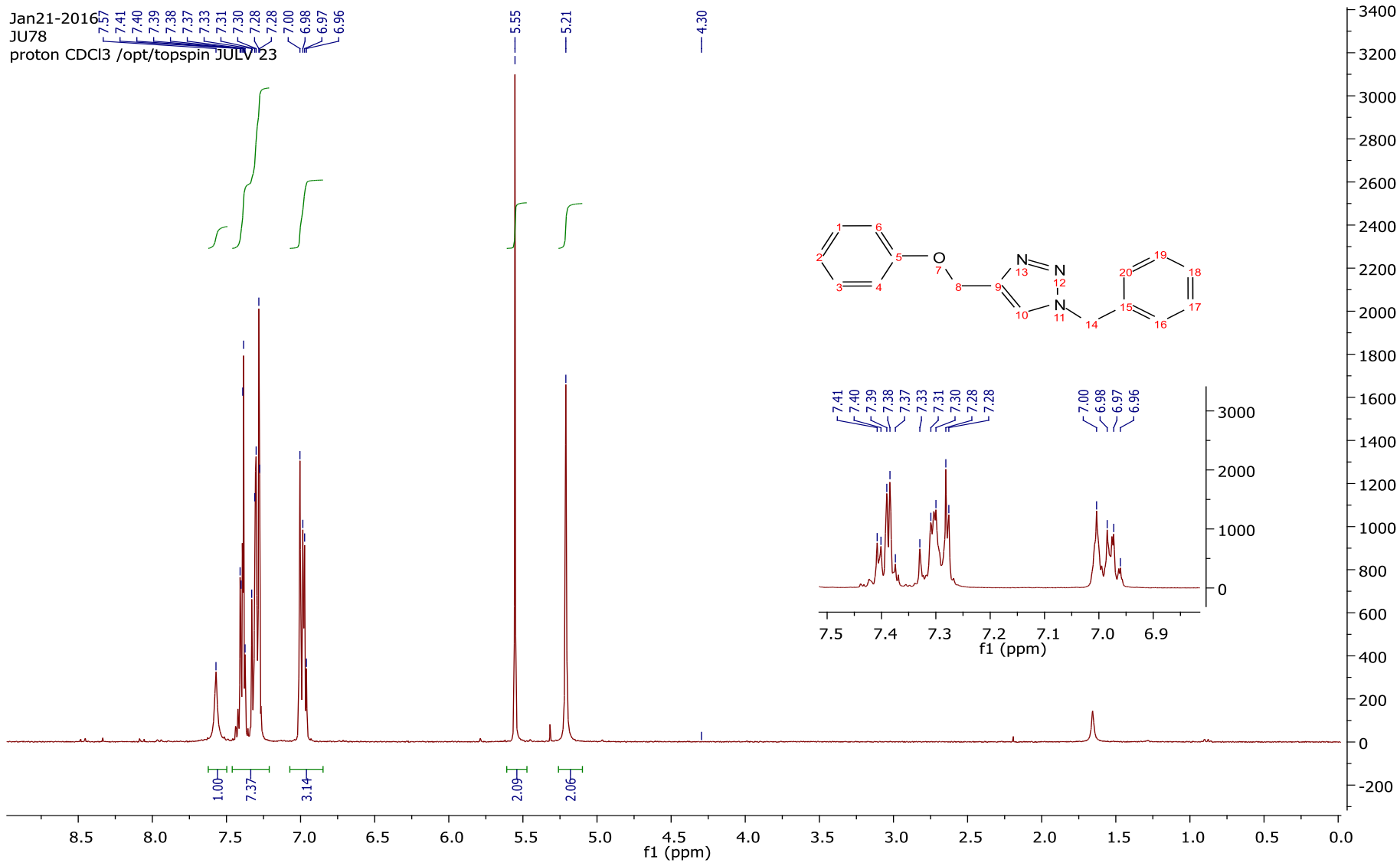
Apr13-2018
ju872
c13cpdc CDCl3 /opt JVLV 60

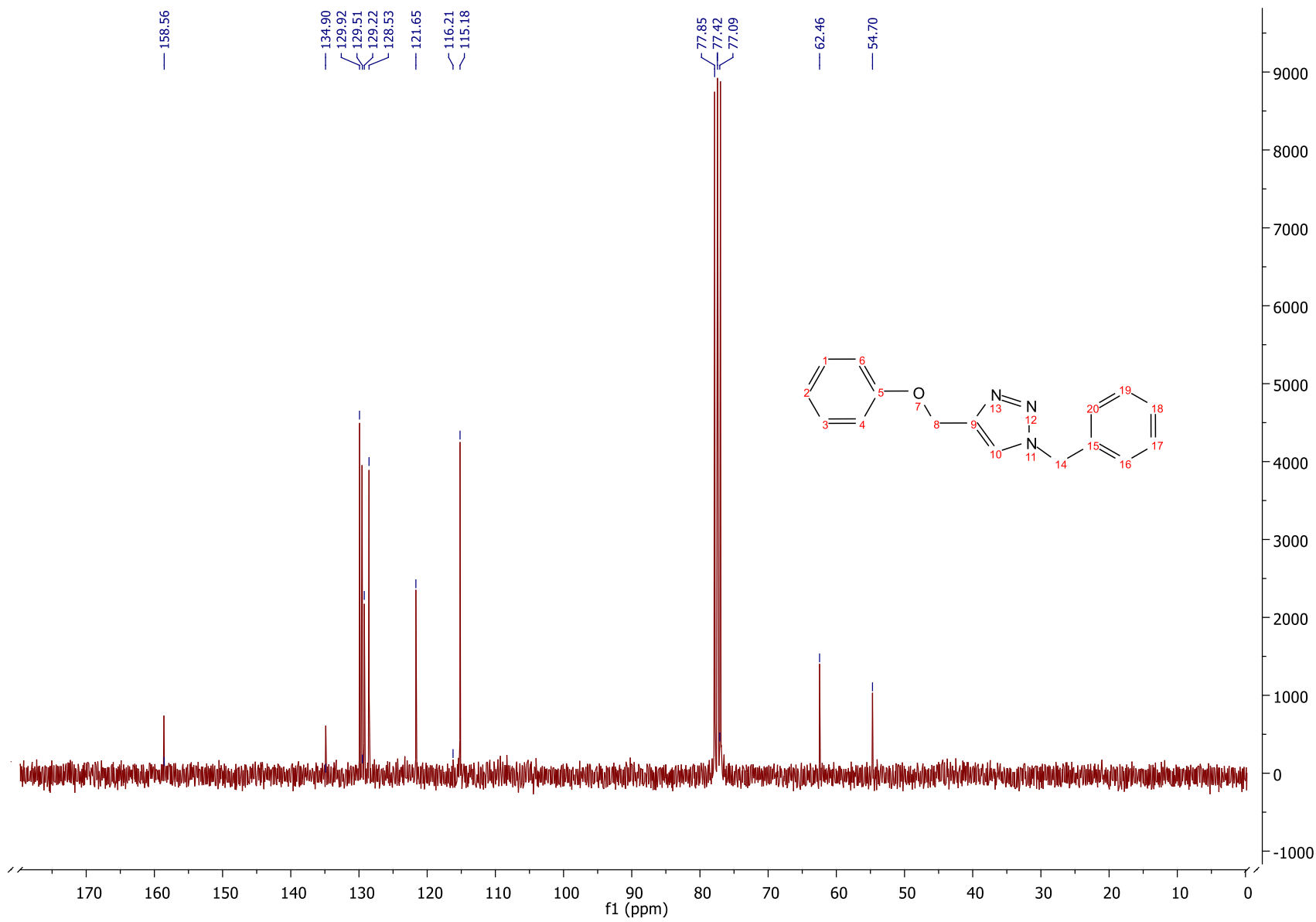


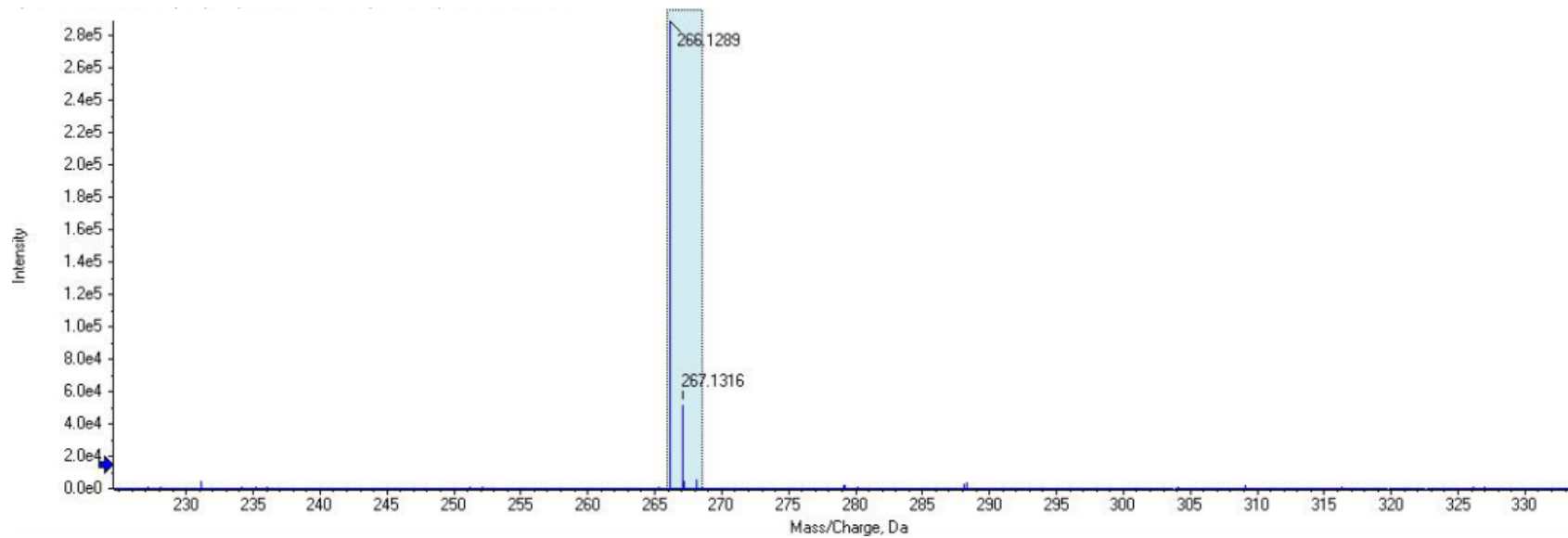


1-benzyl-4-(phenoxyethyl)-1H-1,2,3-triazole (3d)

Jan21-2016
JU78
proton CDCl3 /opt/topspin JULV 23

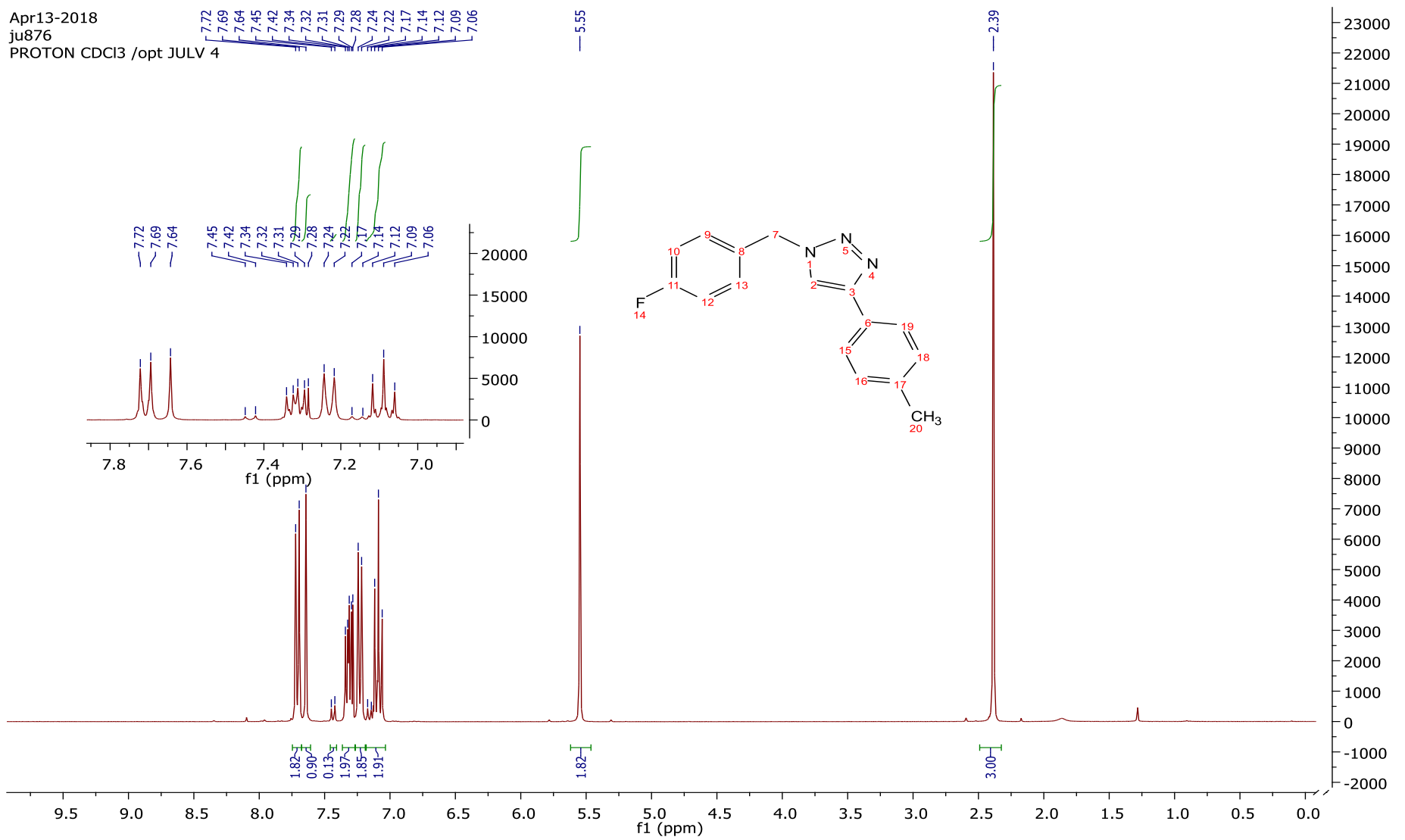


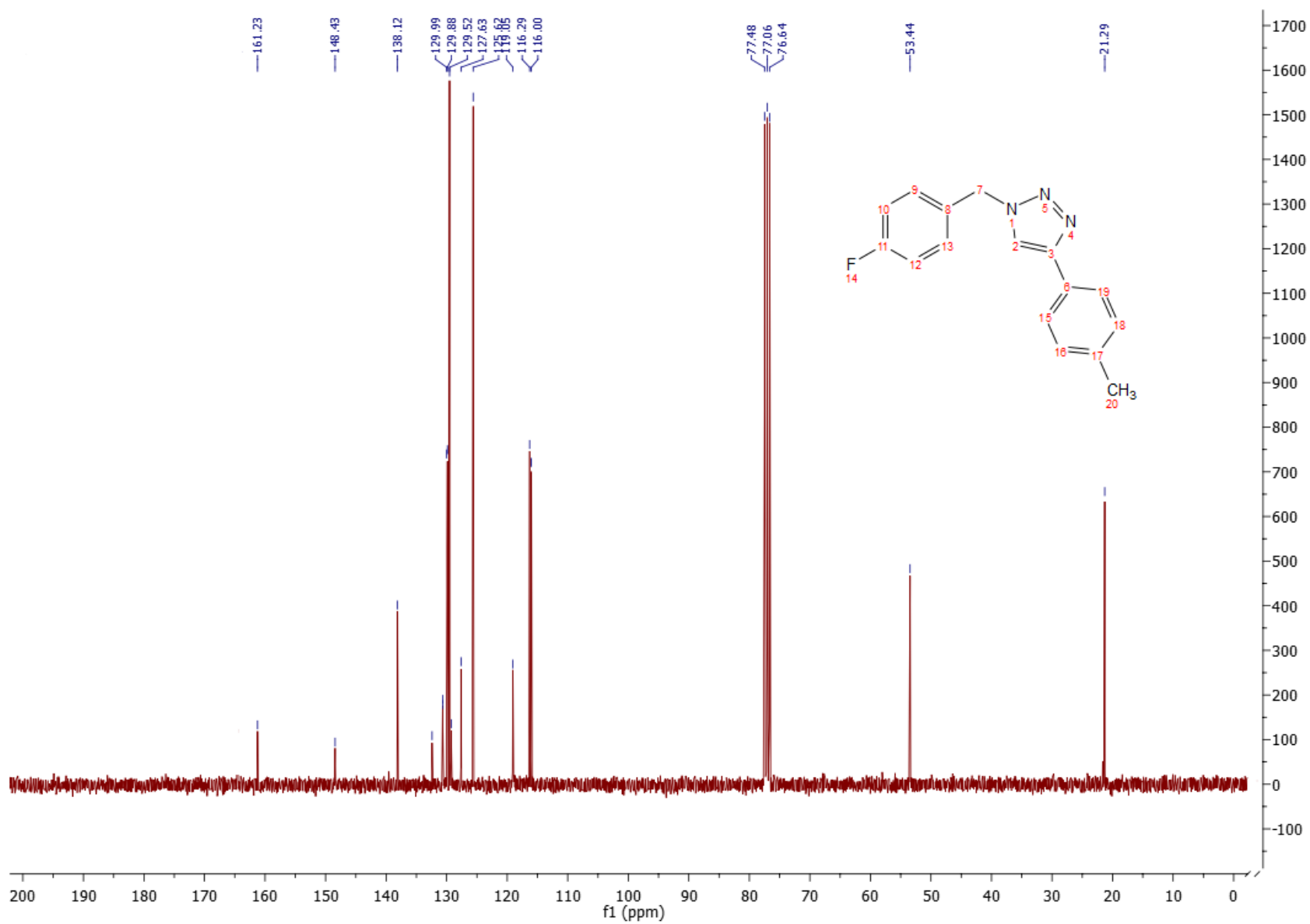


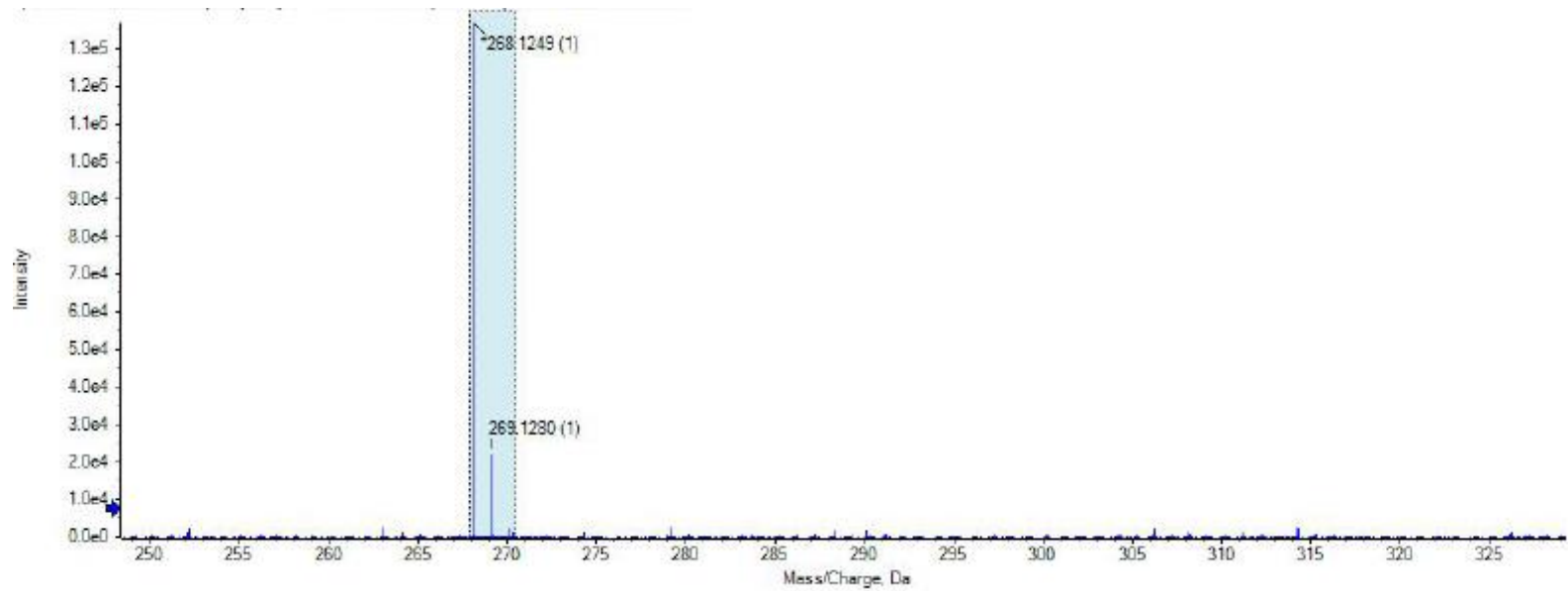


1-(4-Fluoro-benzyl)-4-p-tolyl-1H-[1,2,3]triazole (3e)

Apr13-2018
ju876
PROTON CDCI3 /opt JULV 4

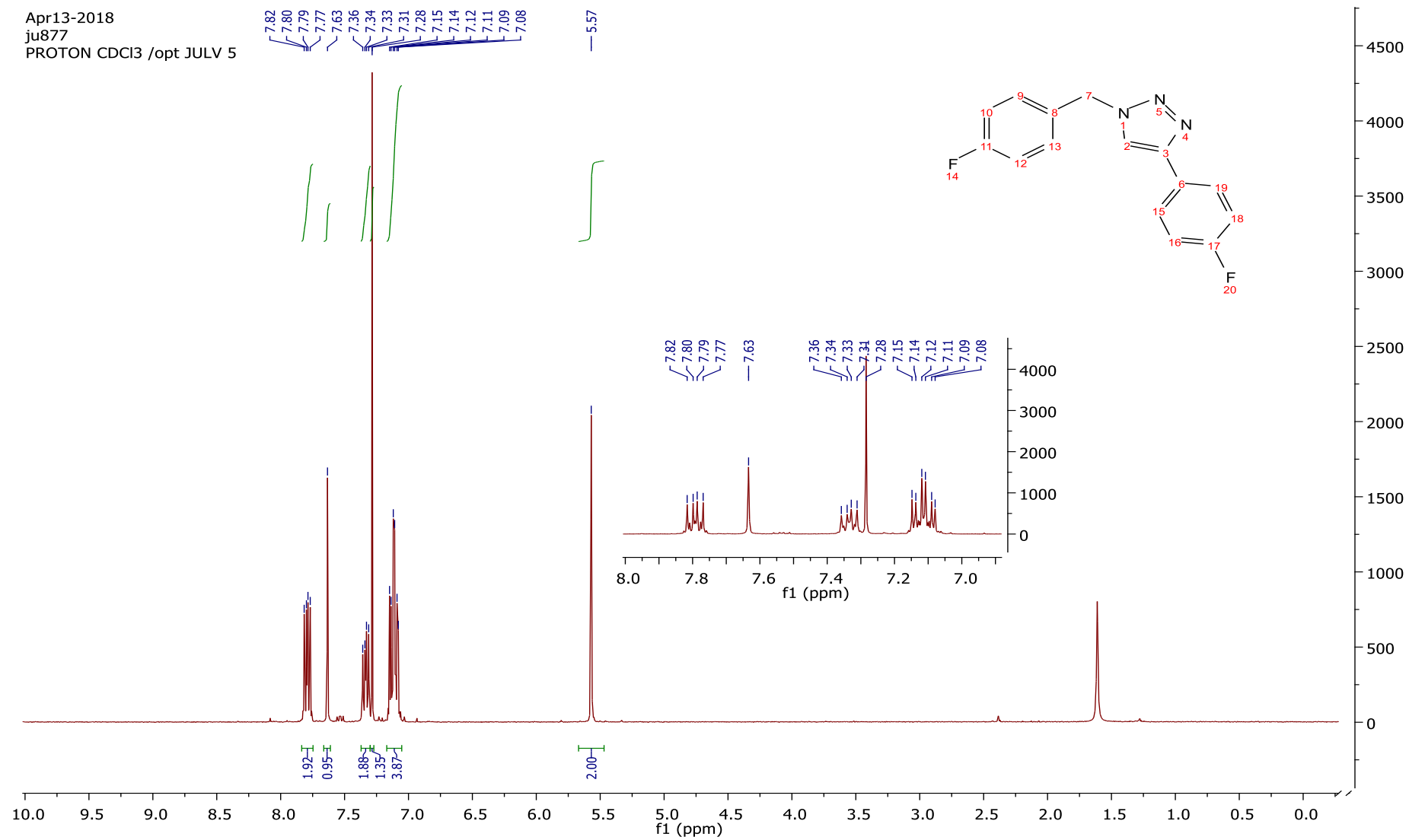




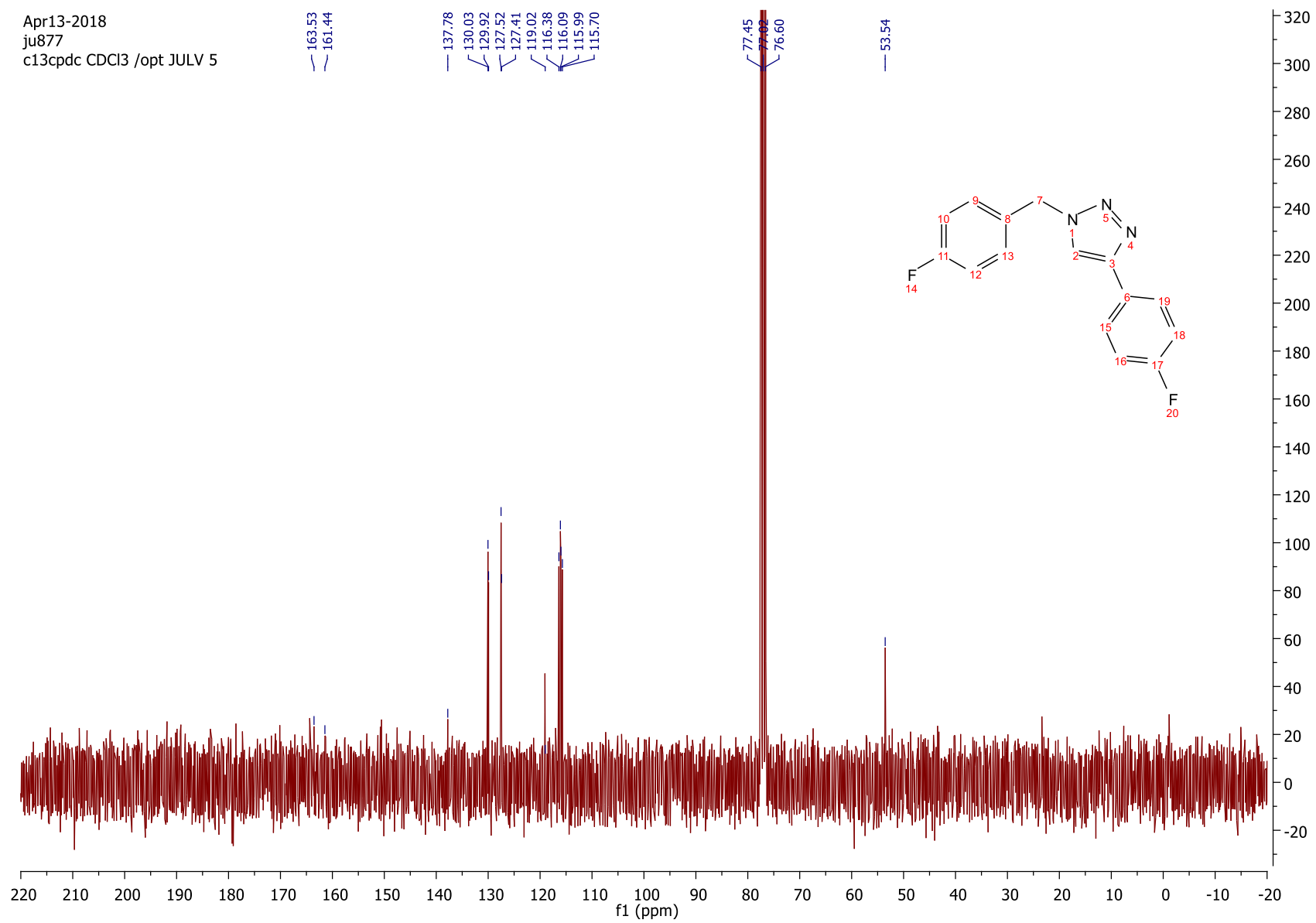


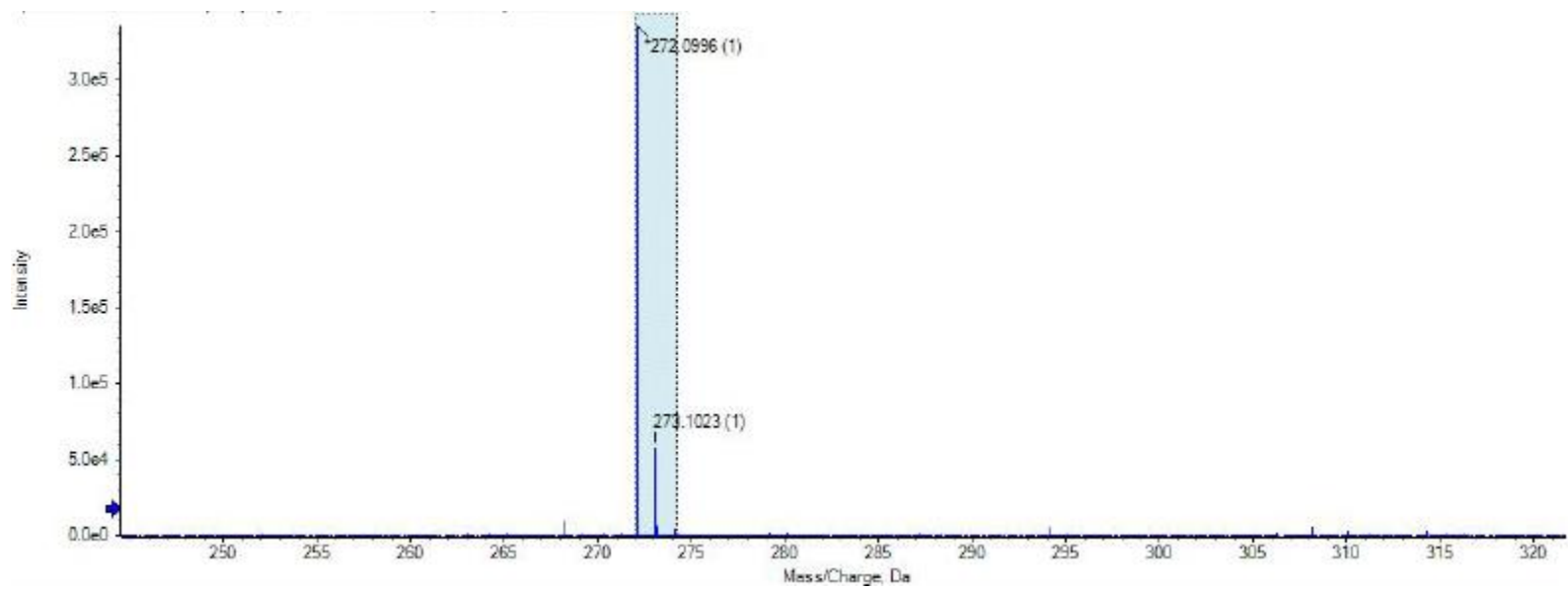
1-(4-fluorobenzyl)-4-(4-fluorophenyl)-1H-1,2,3-triazole (3f)

Apr13-2018
ju877
PROTON CDCI3 /opt JULV 5

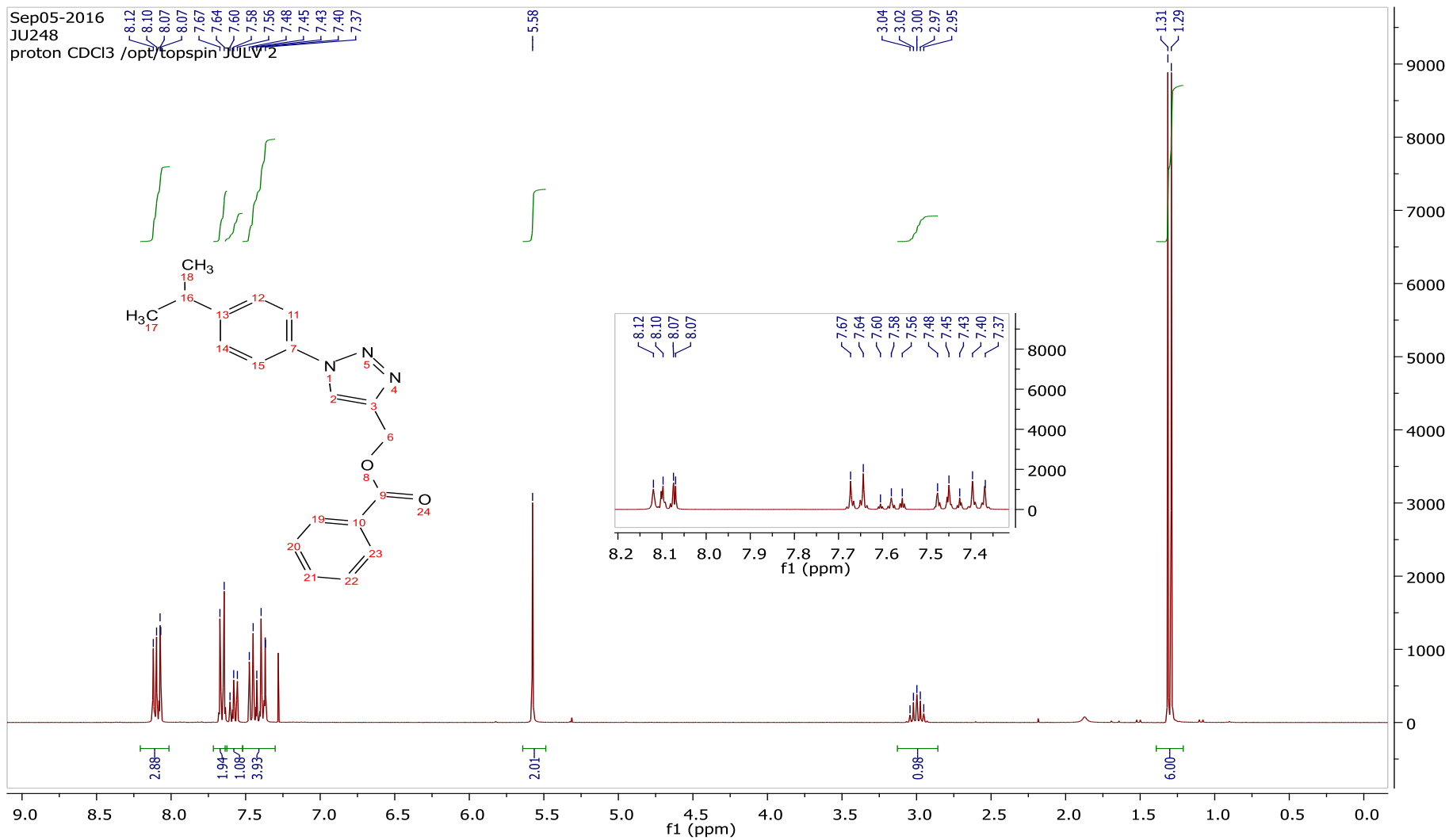


Apr13-2018
ju877
c13cpdc CDCl3 /opt JULV 5

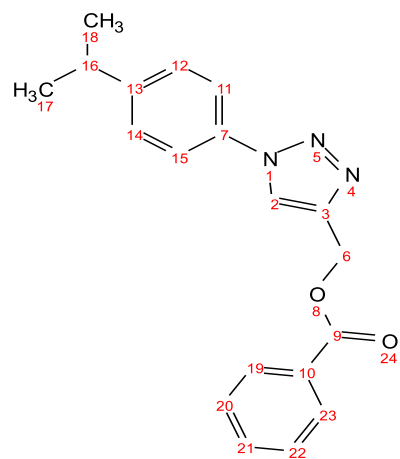




(1-(4-isopropylphenyl)-1H-1,2,3-triazol-4-yl)methyl benzoate (3g)



Sep05-2016
JU248
c13cpdc CDCl3 /opt/topspin JULV 2



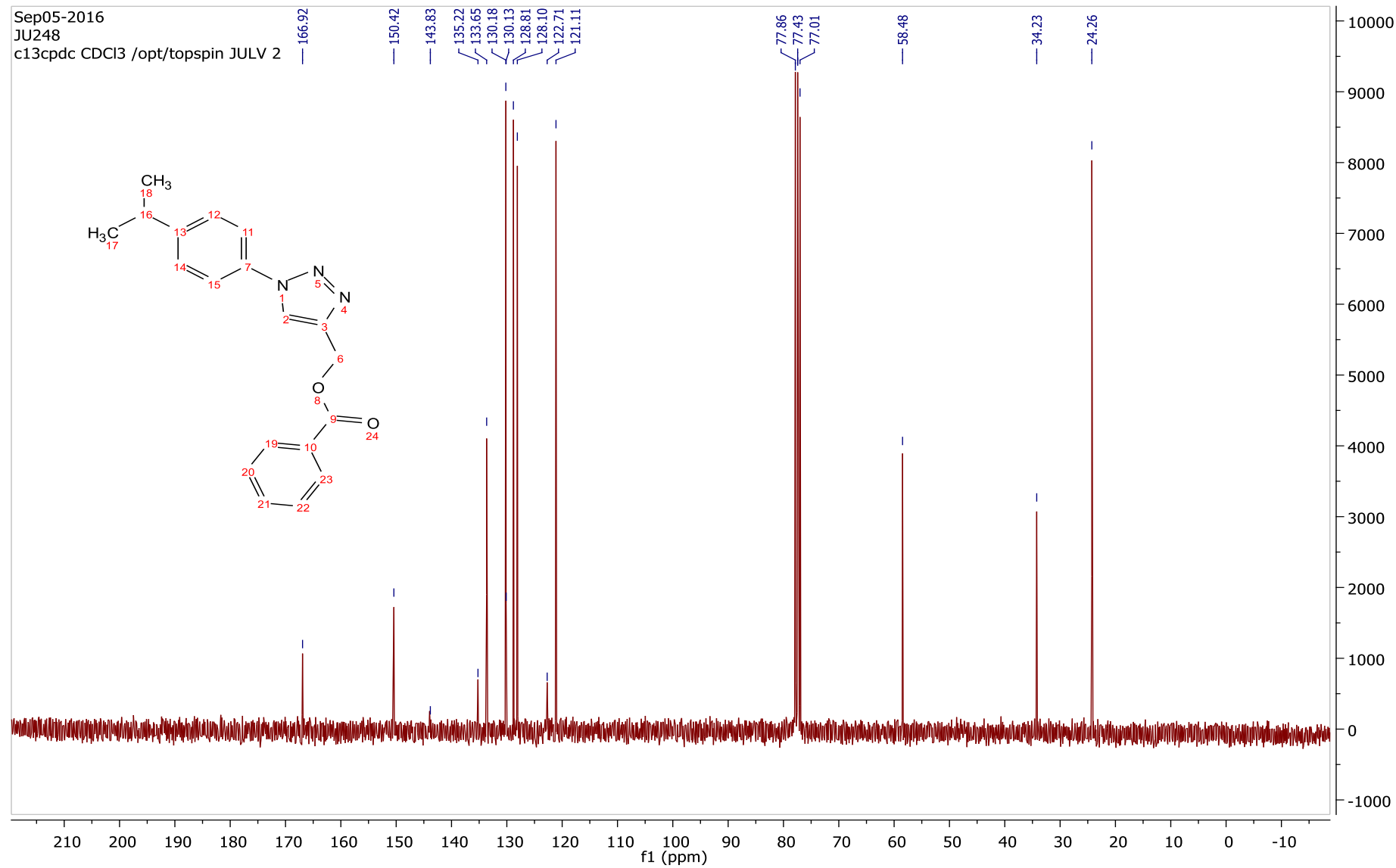
166.92
150.42
143.83
135.22
133.65
130.18
130.13
128.81
128.10
122.71
121.11

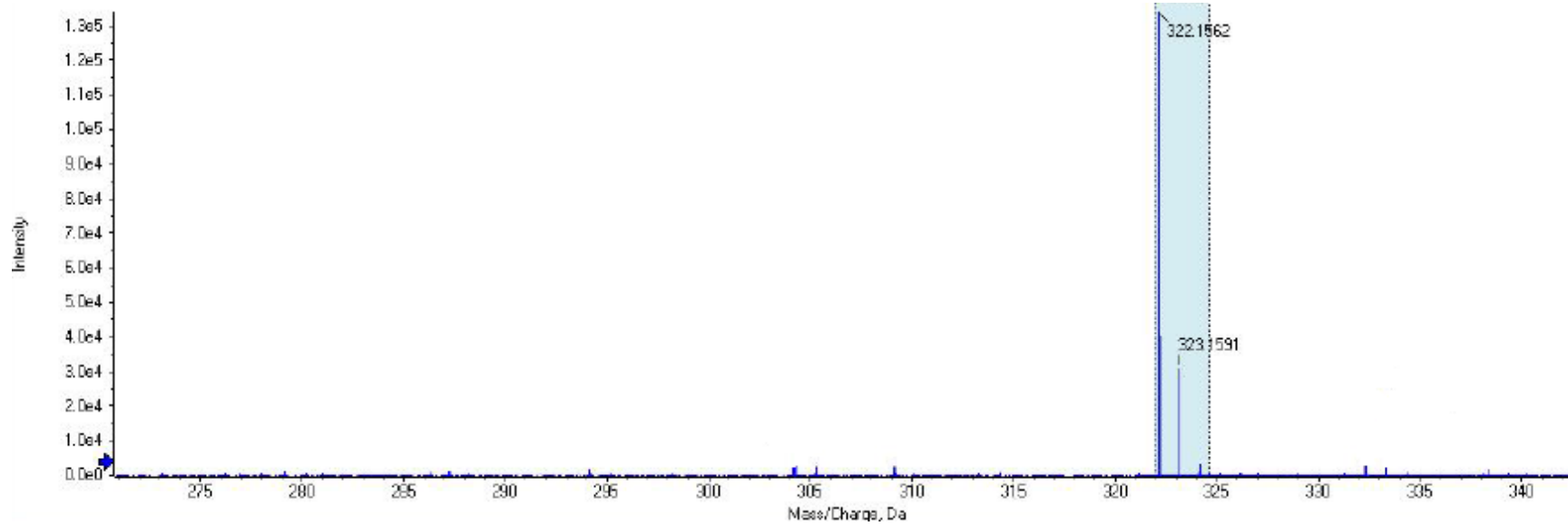
77.86
77.43
77.01

58.48

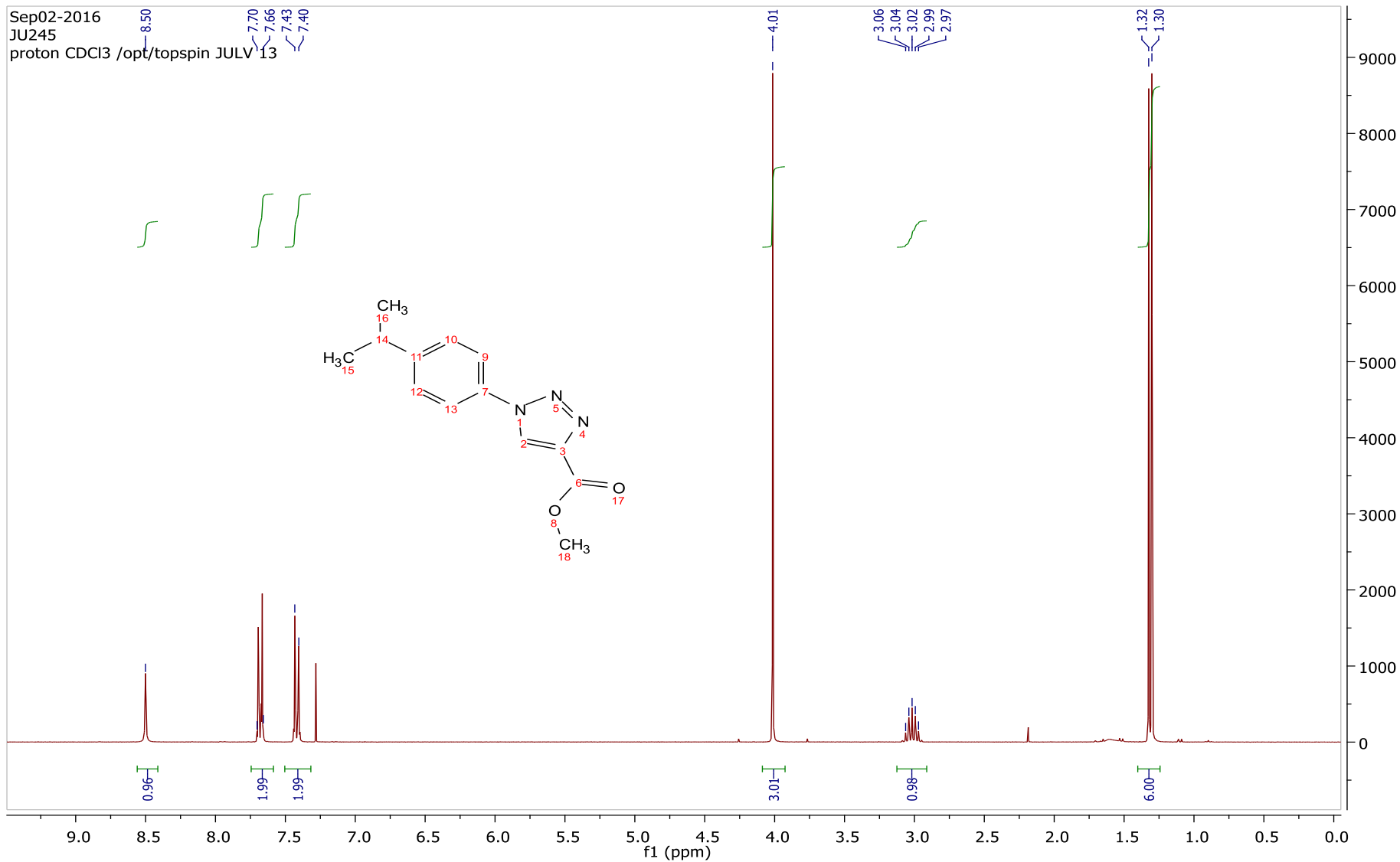
34.23

24.26

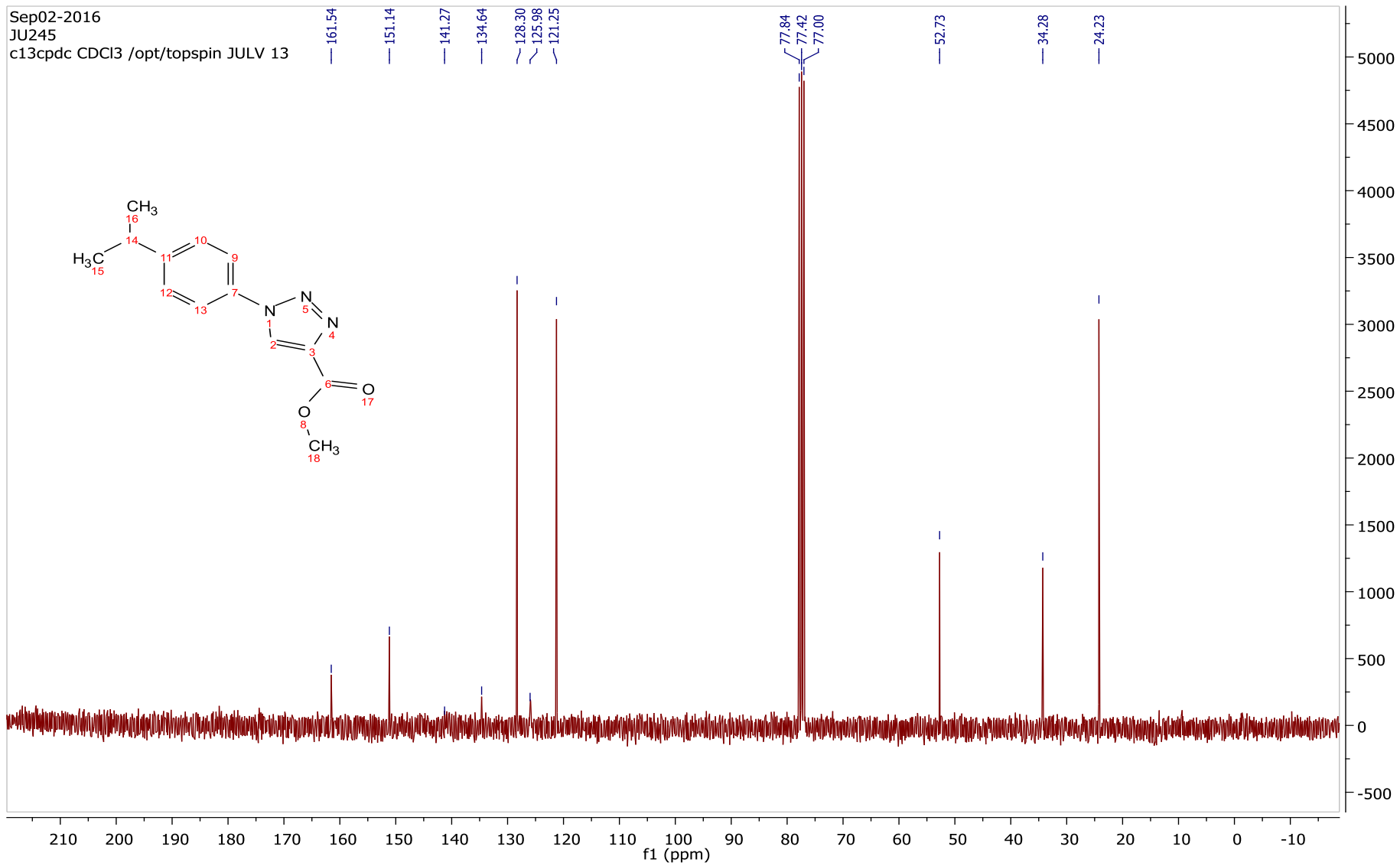
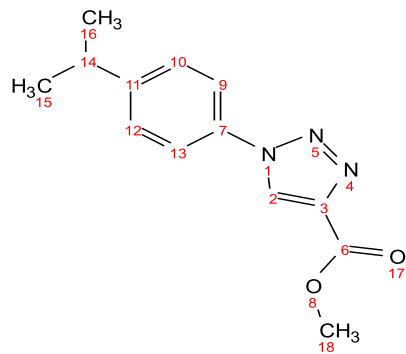


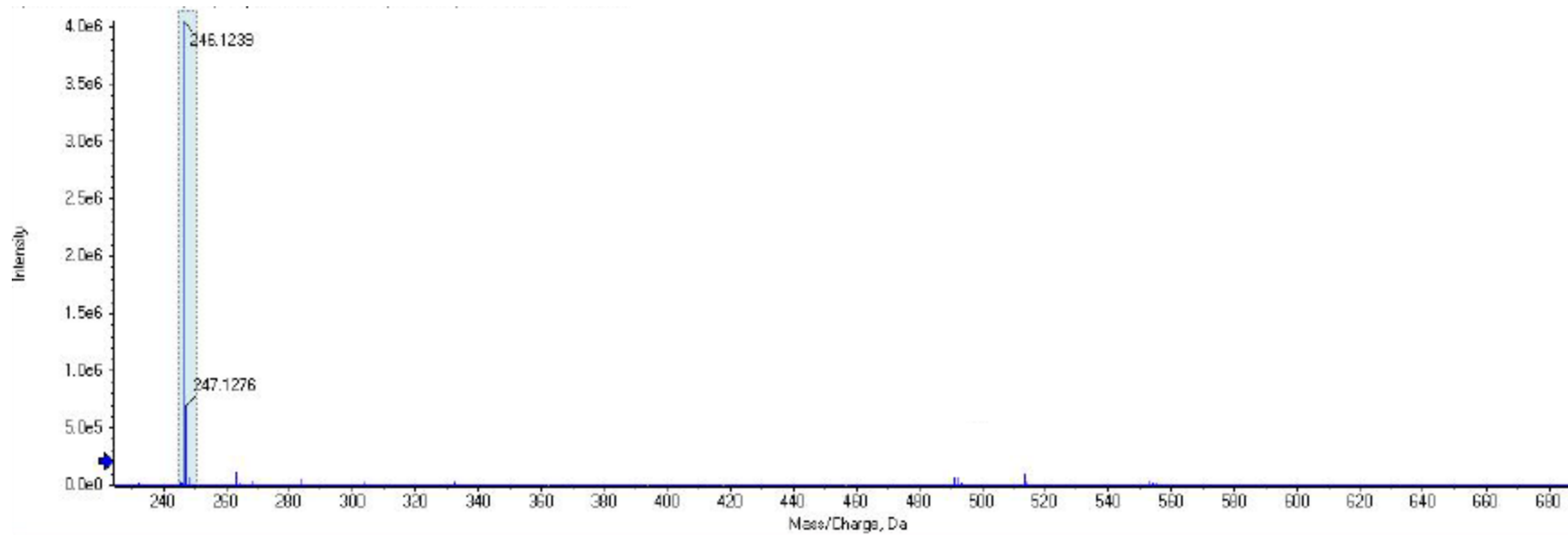


Methyl 1-(4-isopropylphenyl)-1H-1,2,3-triazole-4-carboxylate (3h)

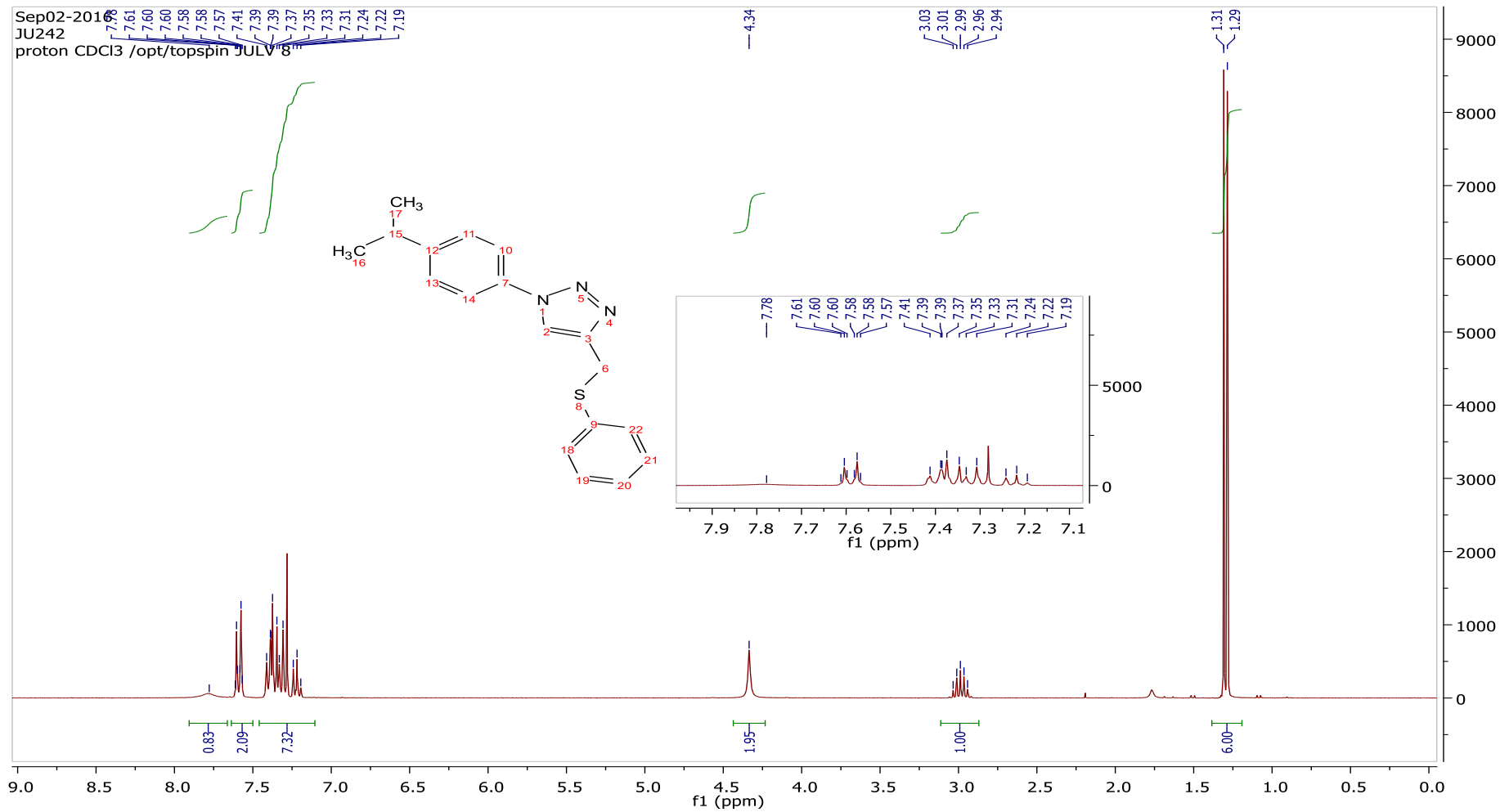


Sep02-2016
JU245
c13cpdc CDCl3 /opt/topspin JULV 13

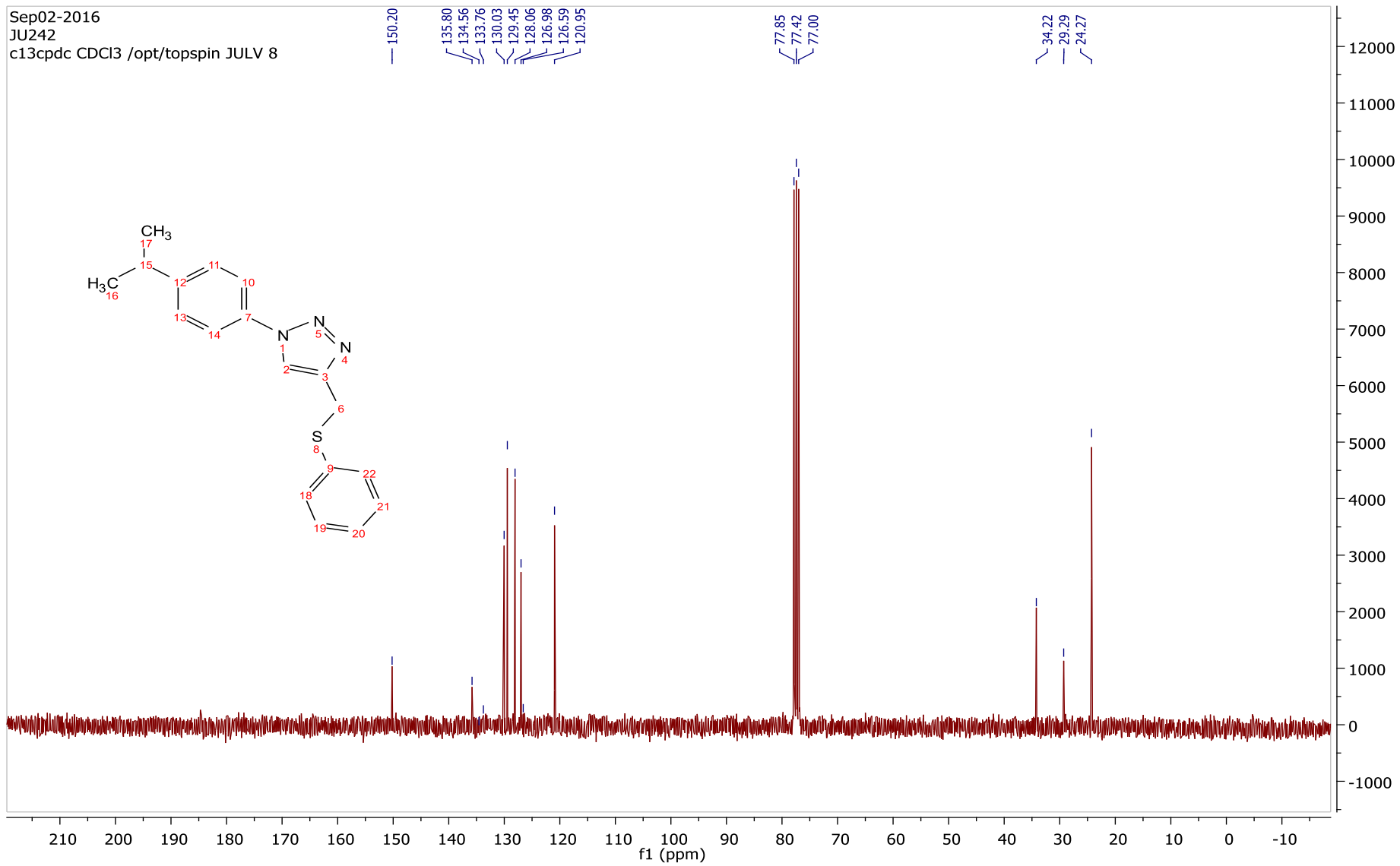
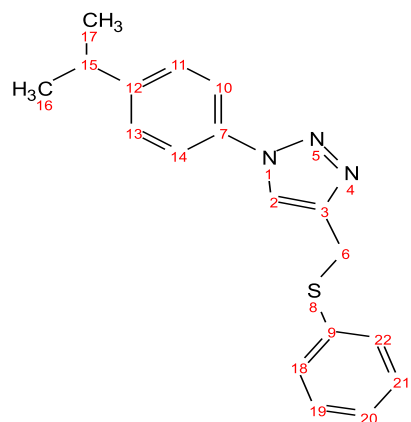


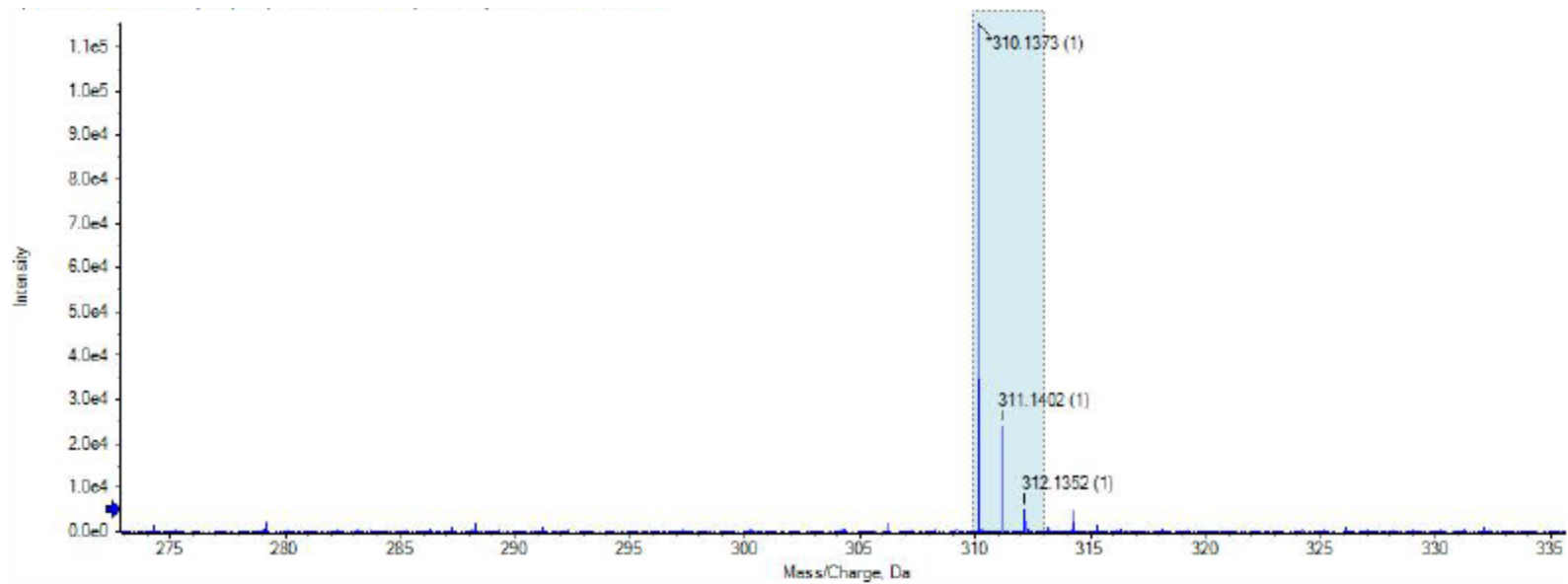


1-(4-isopropylphenyl)-4-(phenylthiomethyl)-1H-1,2,3-triazole (3i)



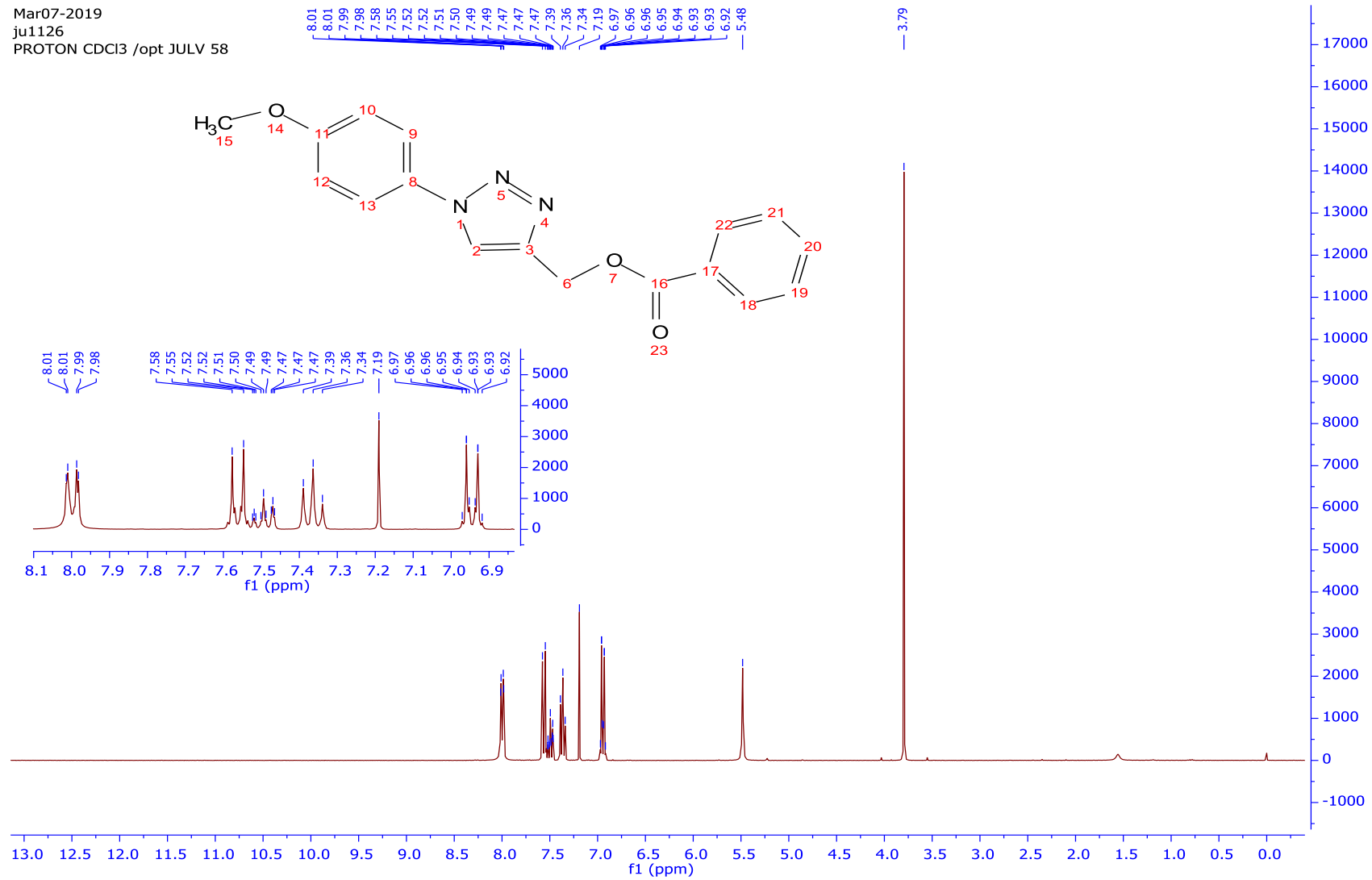
Sep02-2016
JU242
c13cpdc CDCl3 /opt/topspin JULV 8



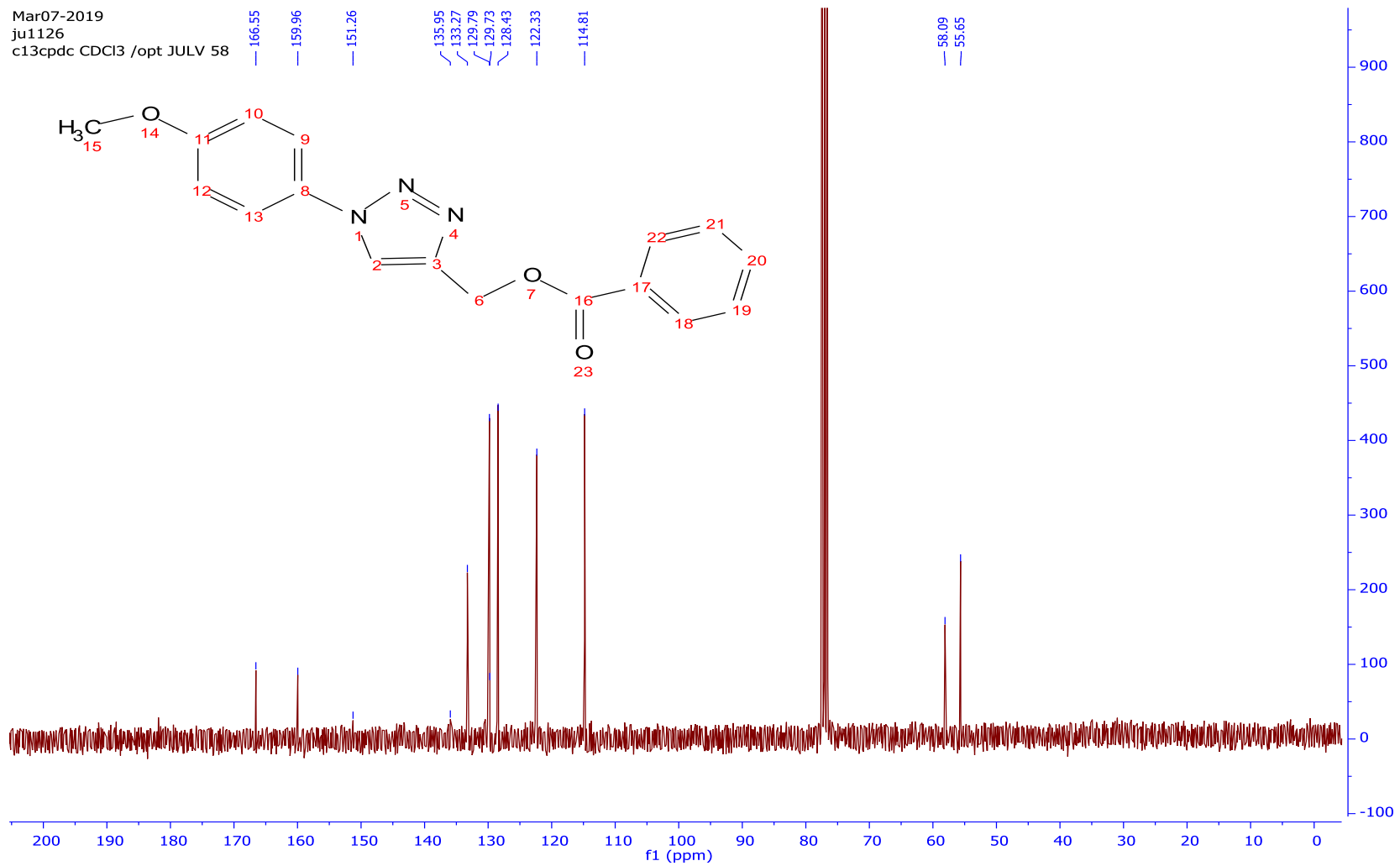


(1-(4-methoxyphenyl)-1H-1,2,3-triazol-4-yl)methyl benzoate (3j)

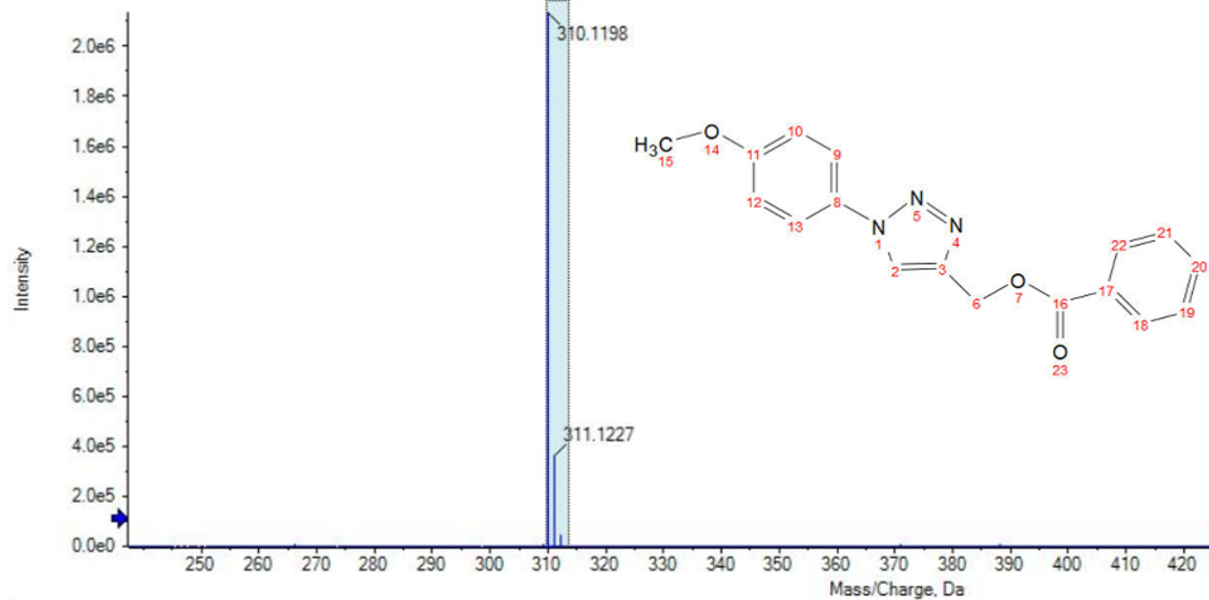
Mar07-2019
ju1126
PROTON CDCl3 /opt JULV 58



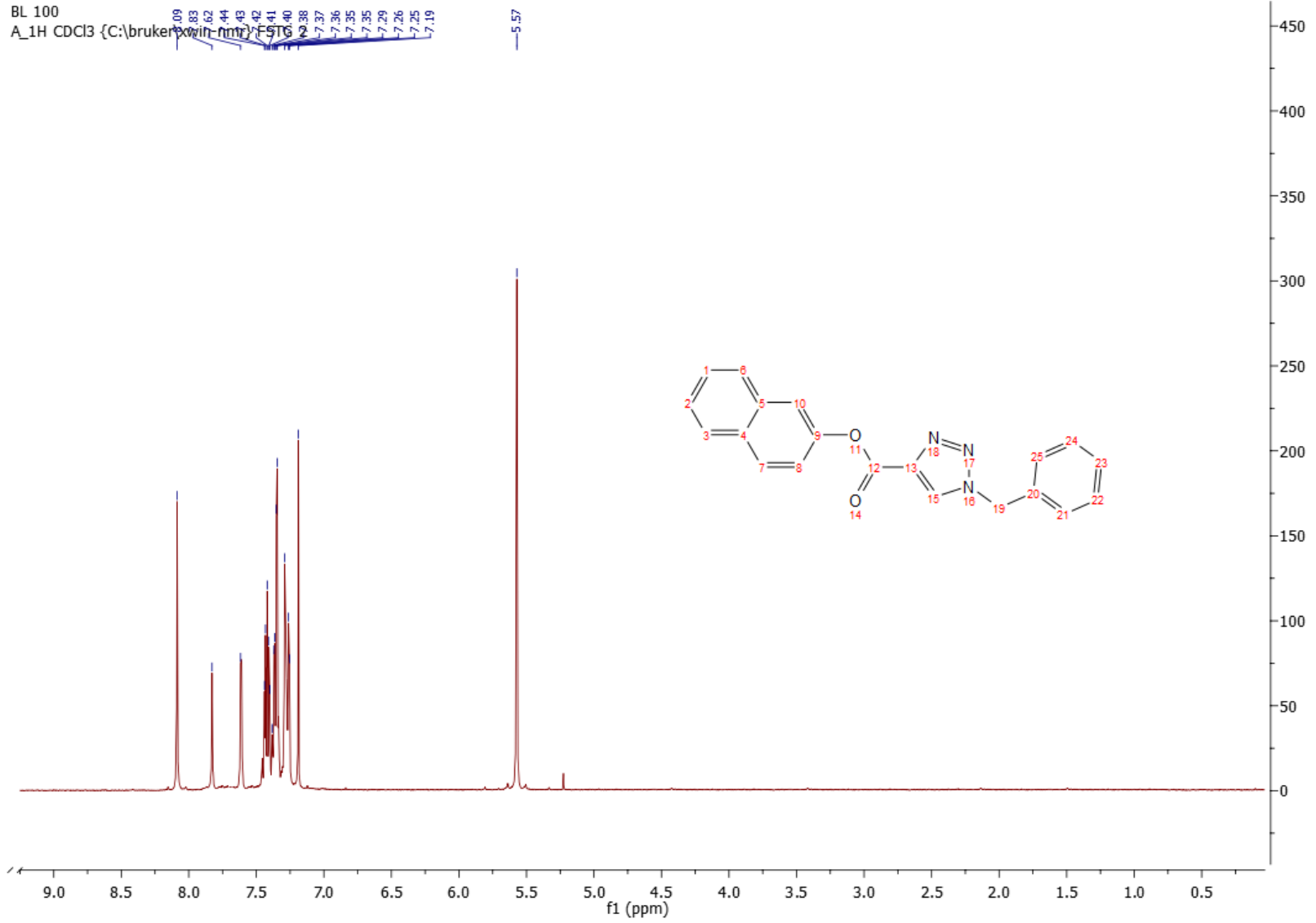
Mar07-2019
ju1126
c13cpdc CDCl3 /opt JULV 58



Spectrum from MH14.wiff (sample 1) - MH14, +TOF MS (100 - 950) from 1.748 to 1.781 min

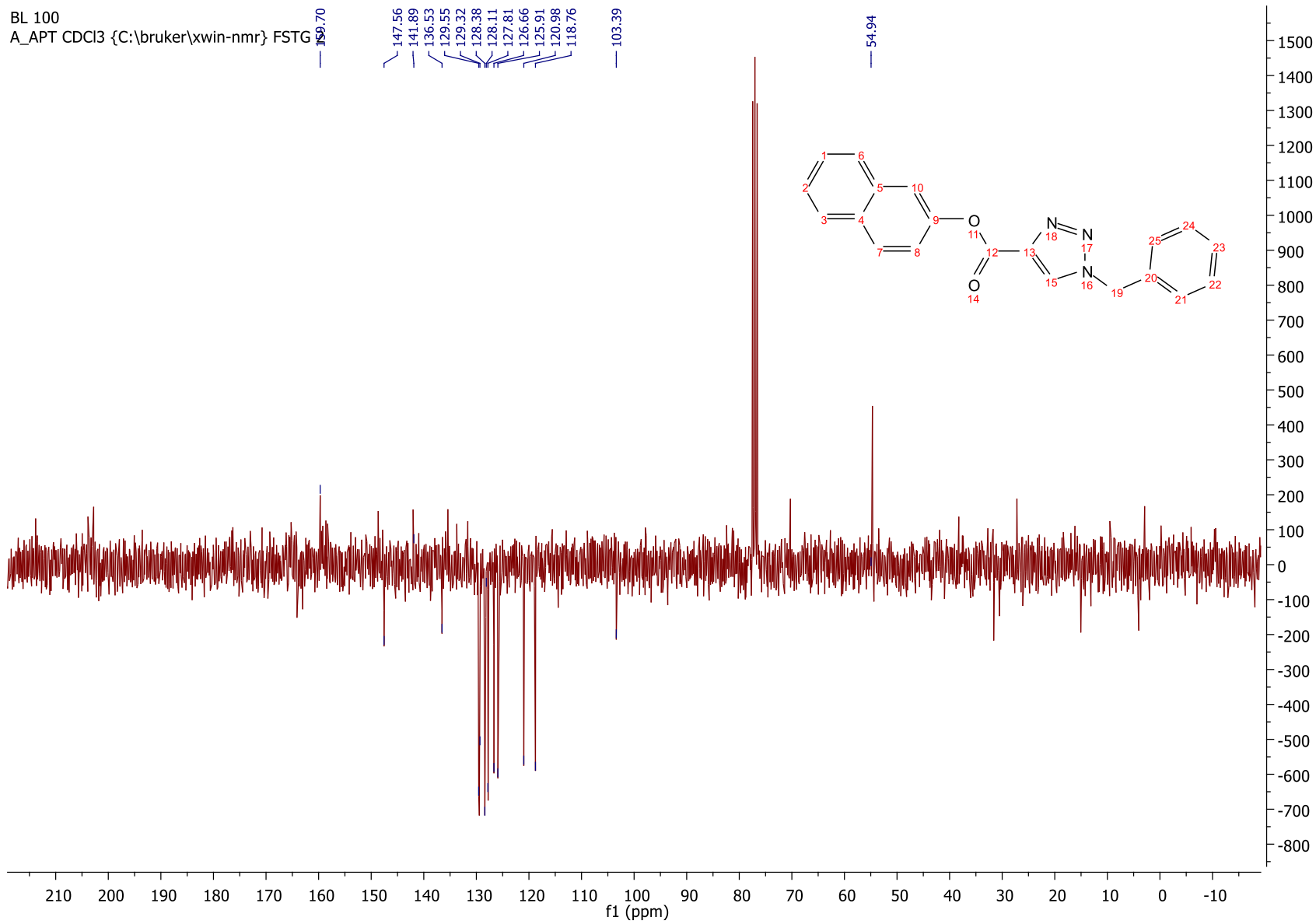
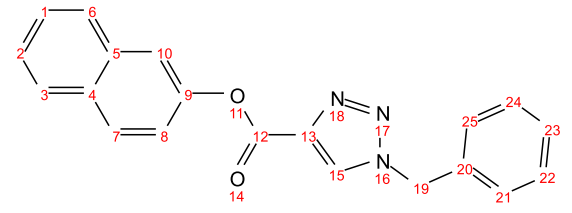


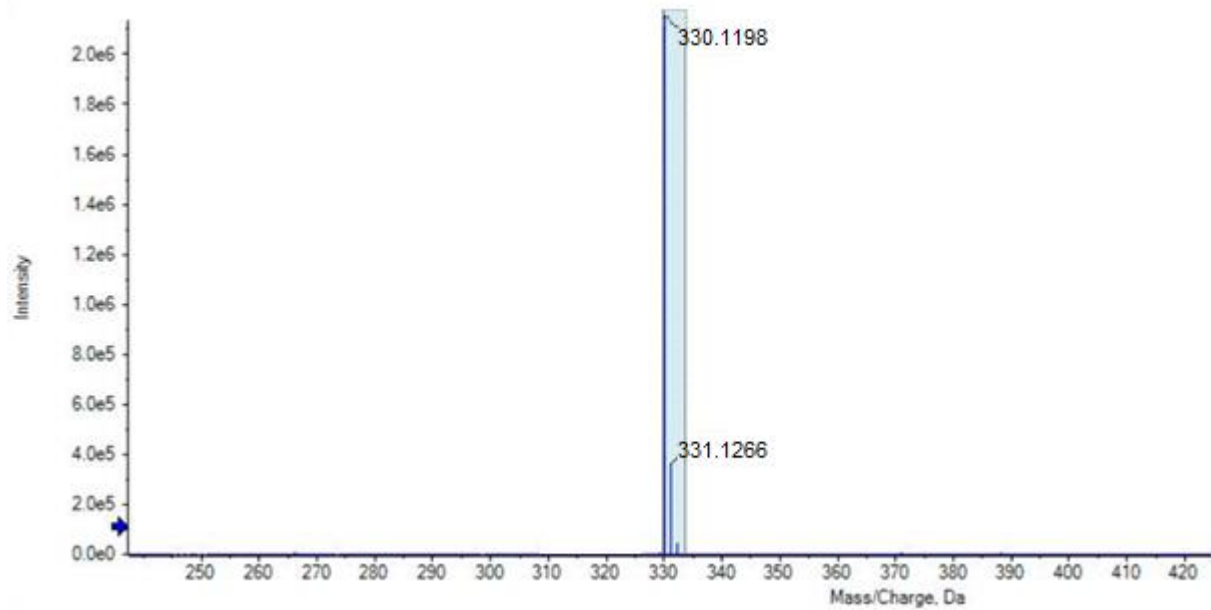
Naphthalen-2-yl 1-benzyl-1H-1,2,3-triazole-4-carboxylate (3k)



BL 100
A_APT CDCI3 {C:\bruker\xwin-nmr} FSTG

159.70
147.56
141.89
136.53
129.55
129.32
128.38
128.11
127.81
126.66
125.91
120.98
118.76
103.39

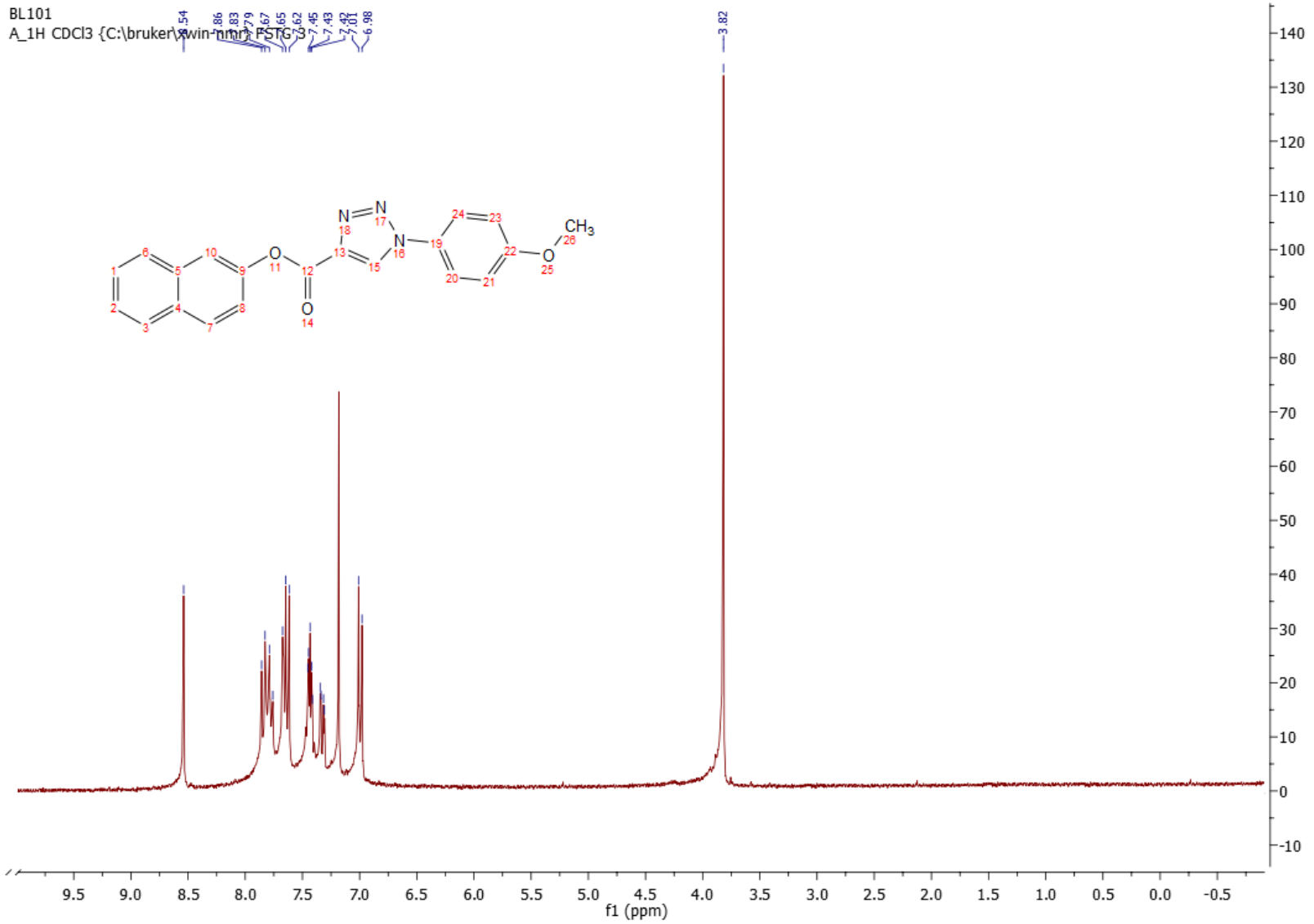
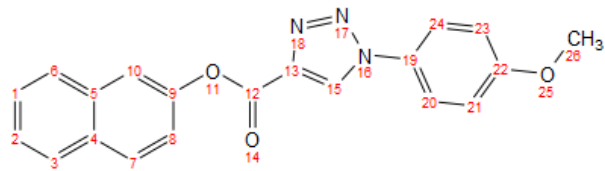




Naphthalen-2-yl 1-(4-methoxyphenyl)-1H-1,2,3-triazole-4-carboxylate (3l)

BL101

A_1H CDCl3 {C:\bruker\win-nmr\PSG\3



BL101

A_APT CDCI3 {C:\bruker\xwin-nmr} FS

164.12
159.71
158.60
147.56
142.04
136.53
129.61
127.84
126.70
126.58
125.95
122.56
121.01
118.81
115.04
108.91
55.72

