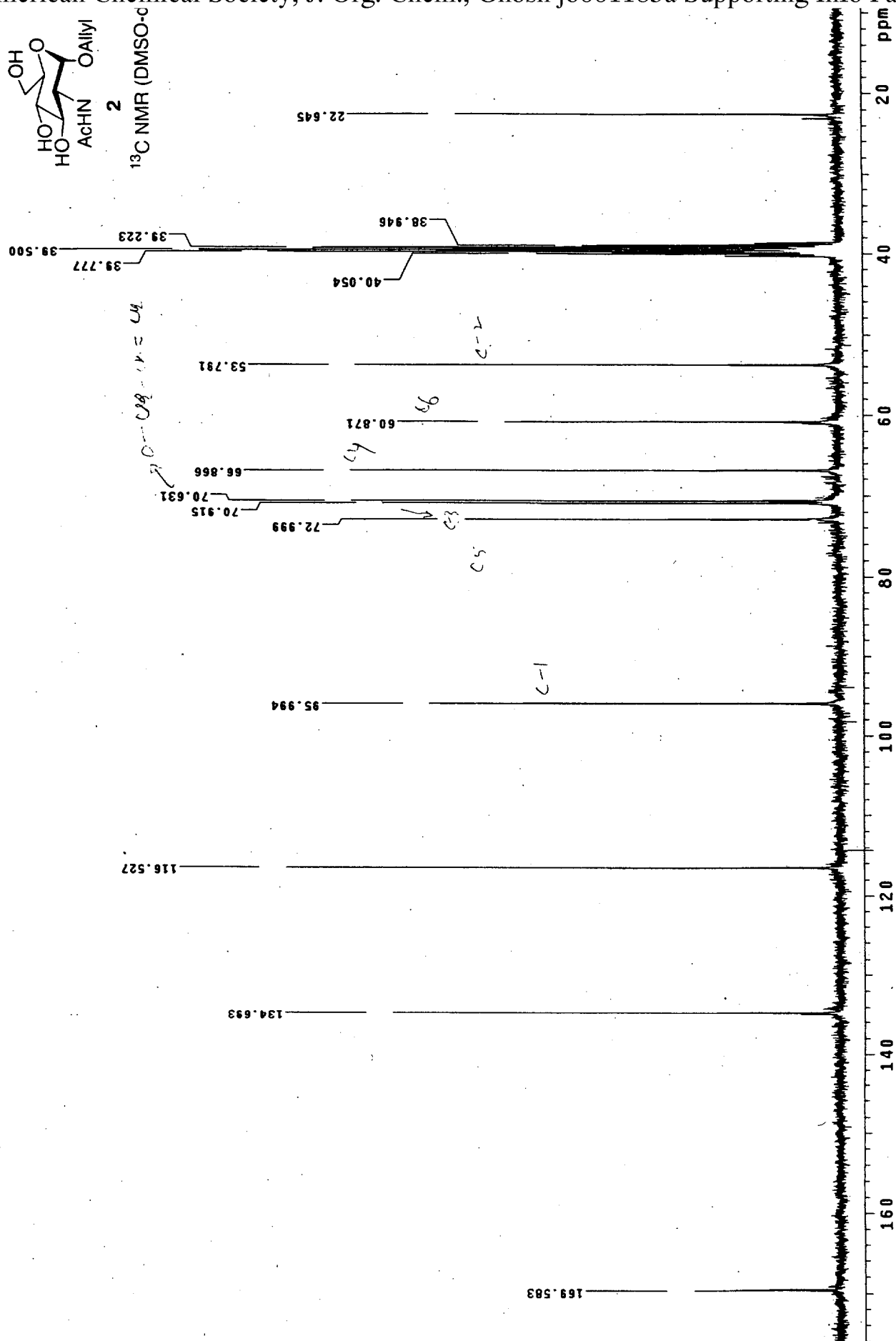
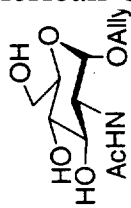
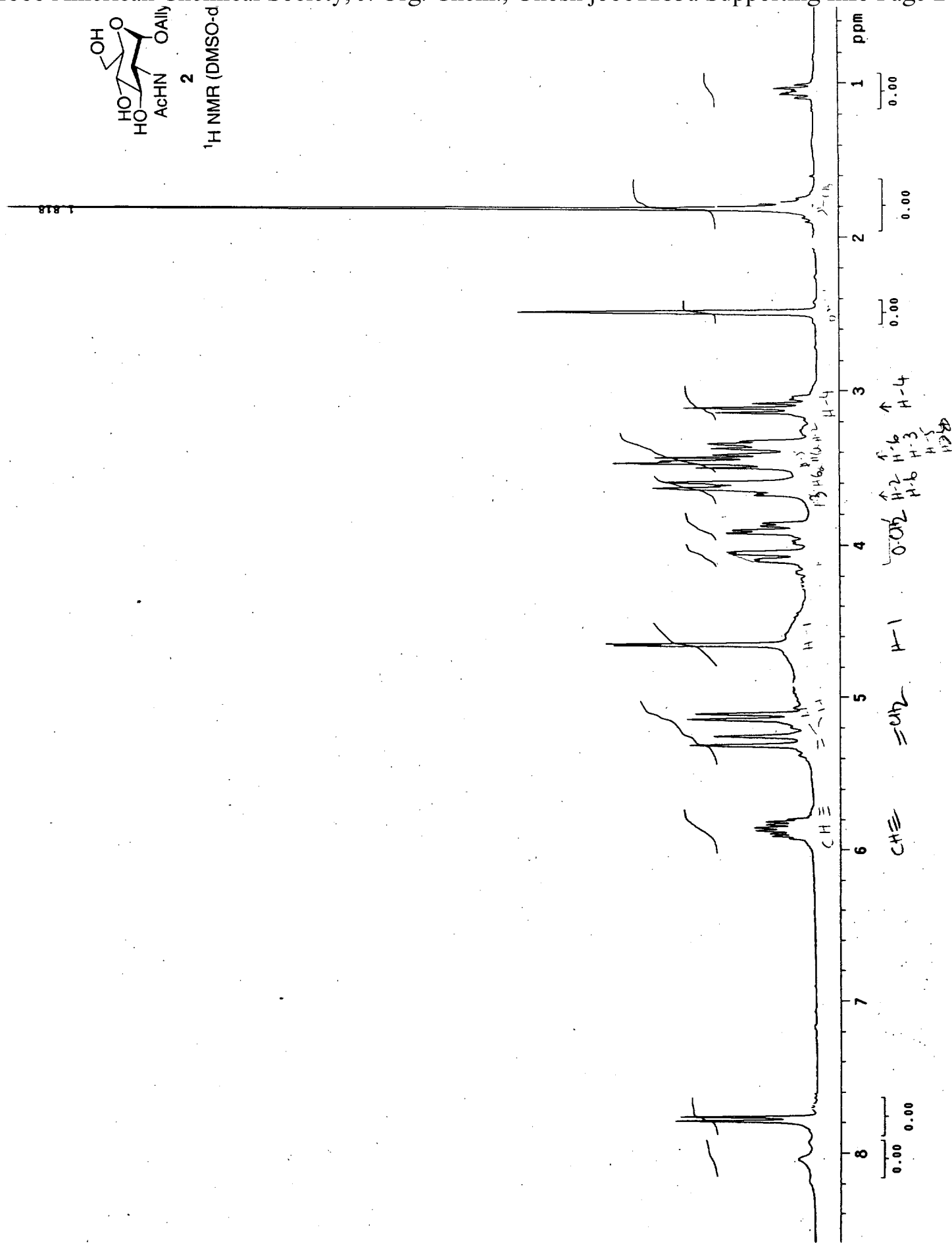
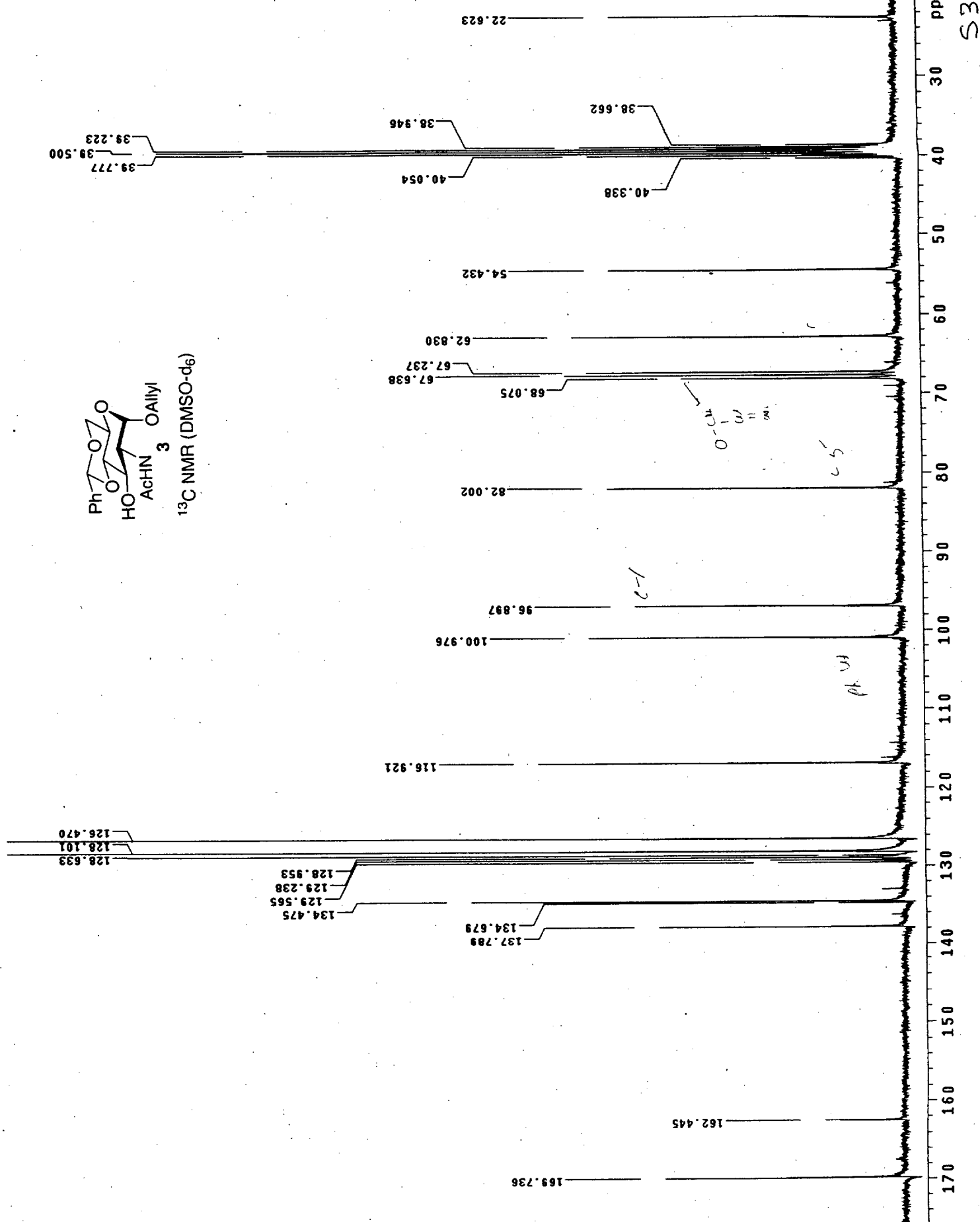




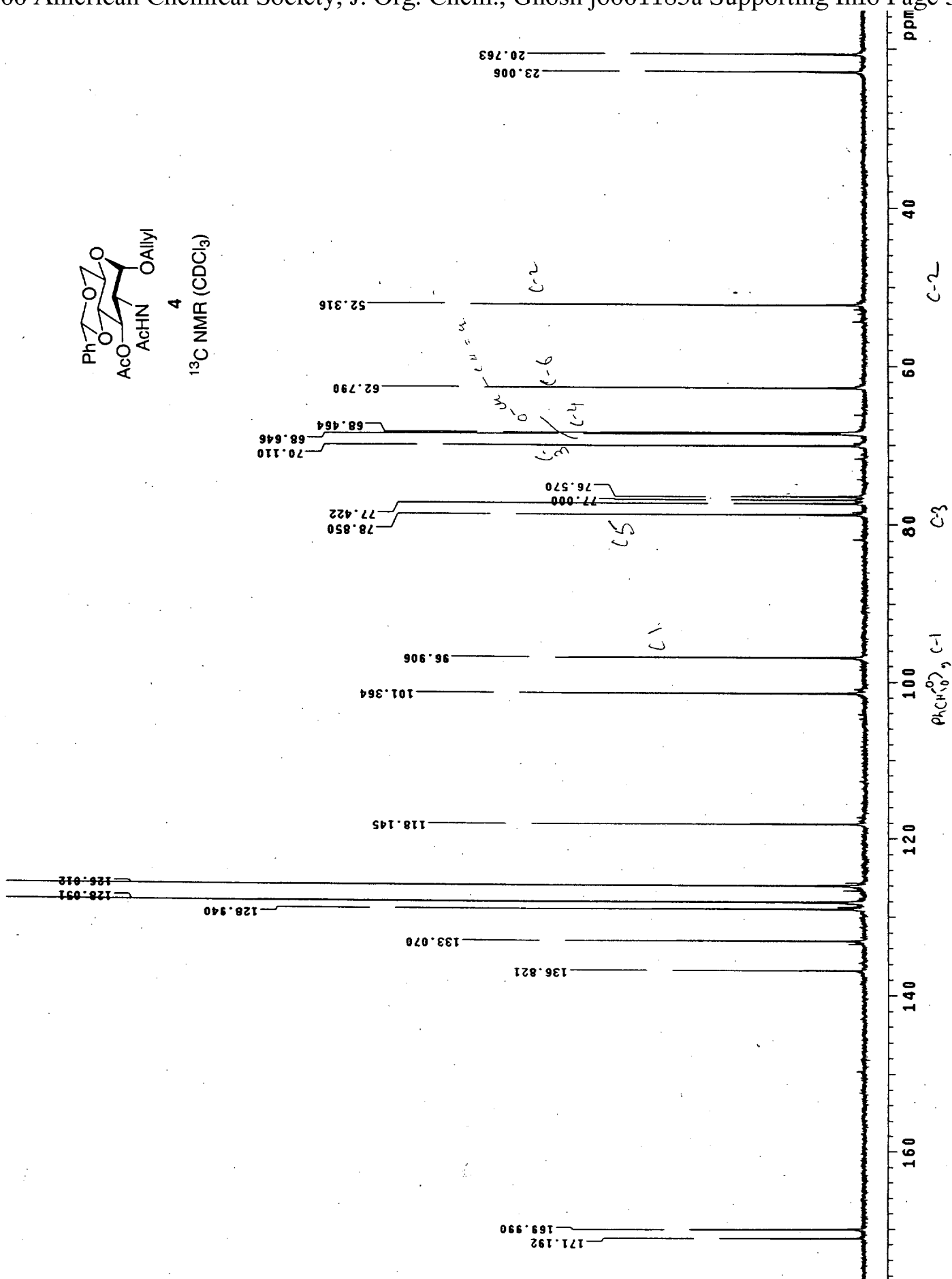
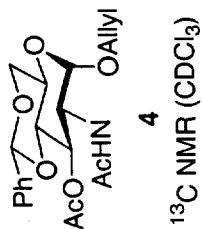


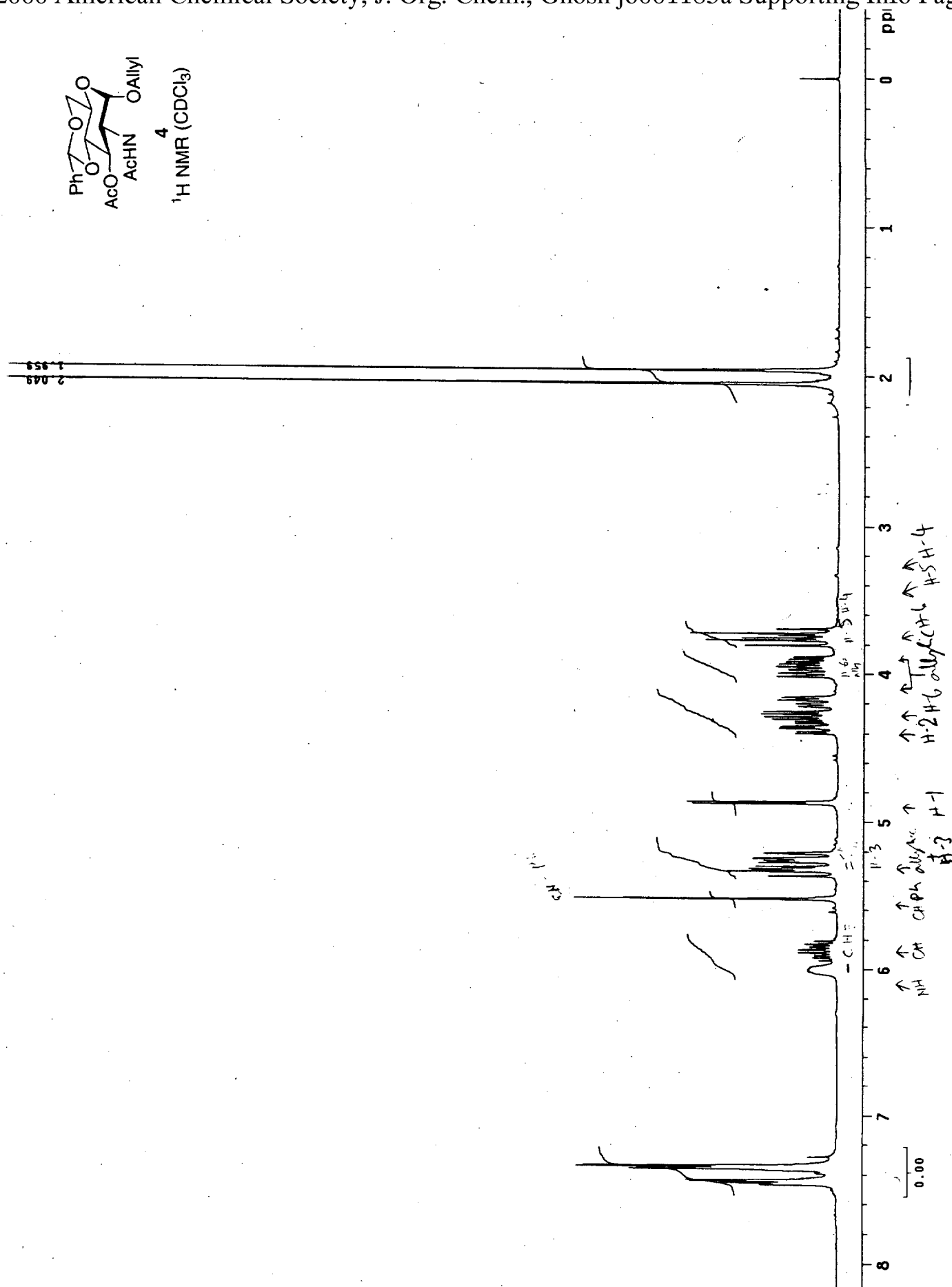
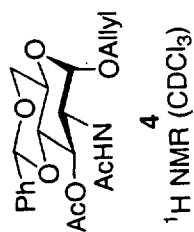
2
¹H NMR (DMSO-d₆)

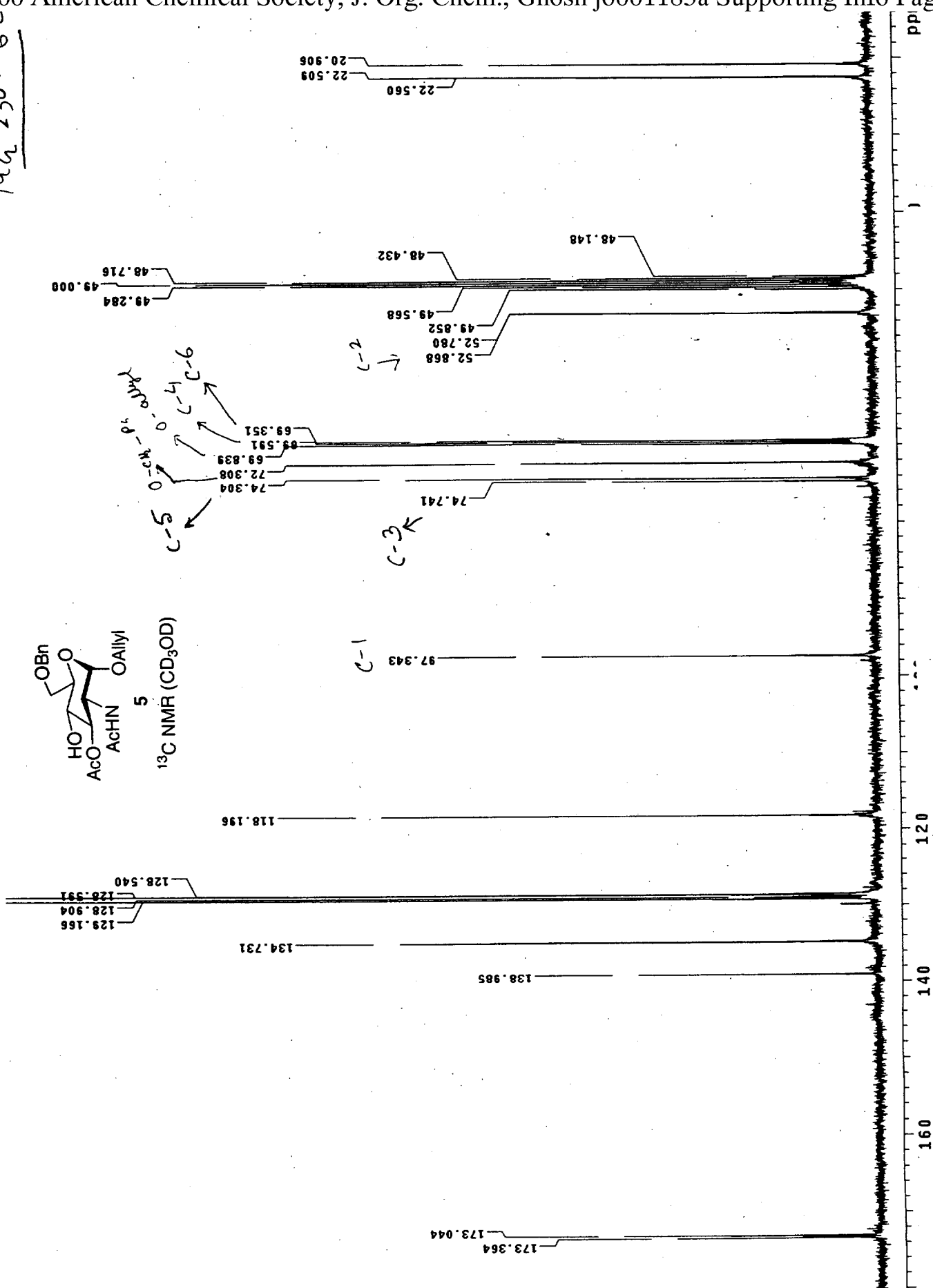




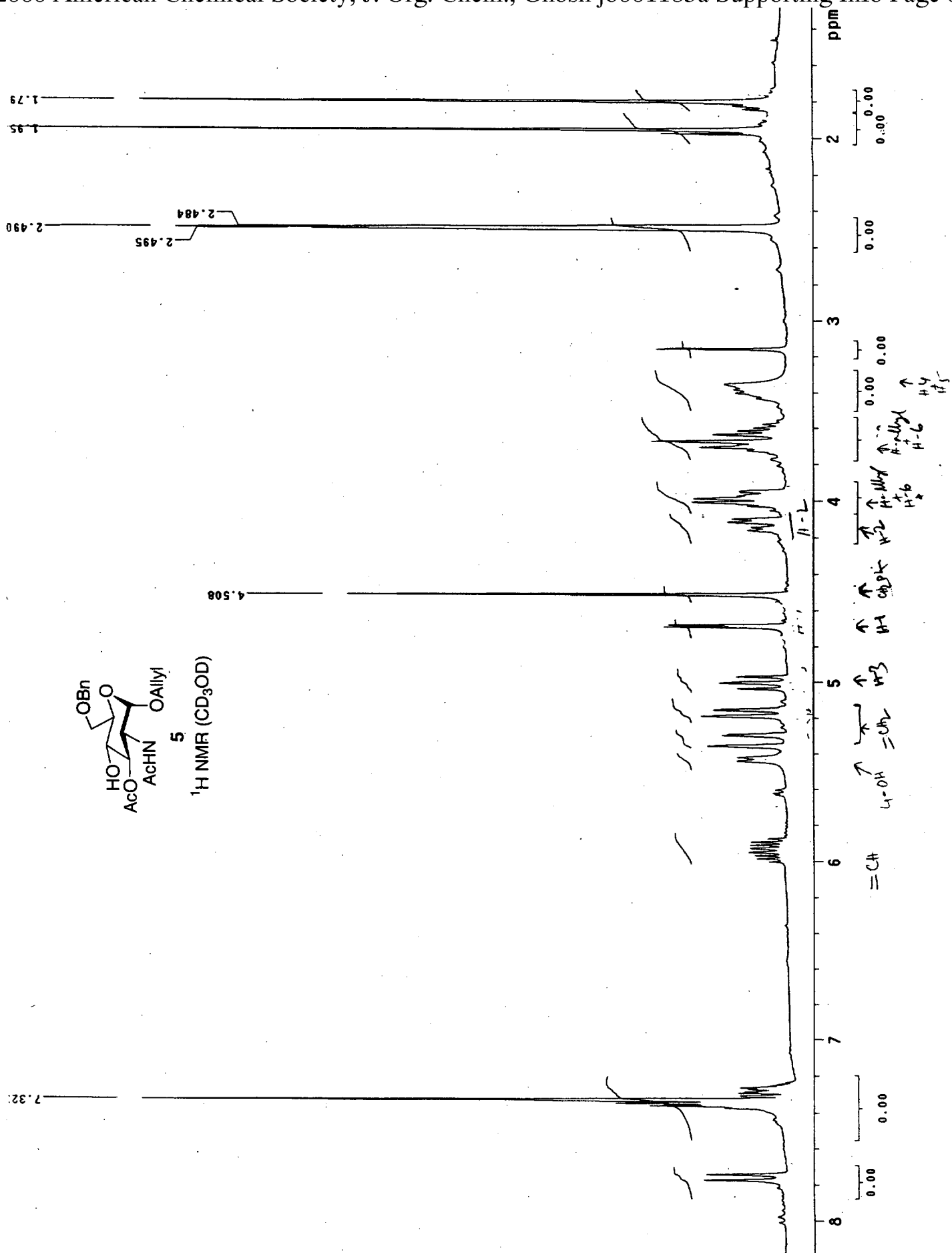
SS

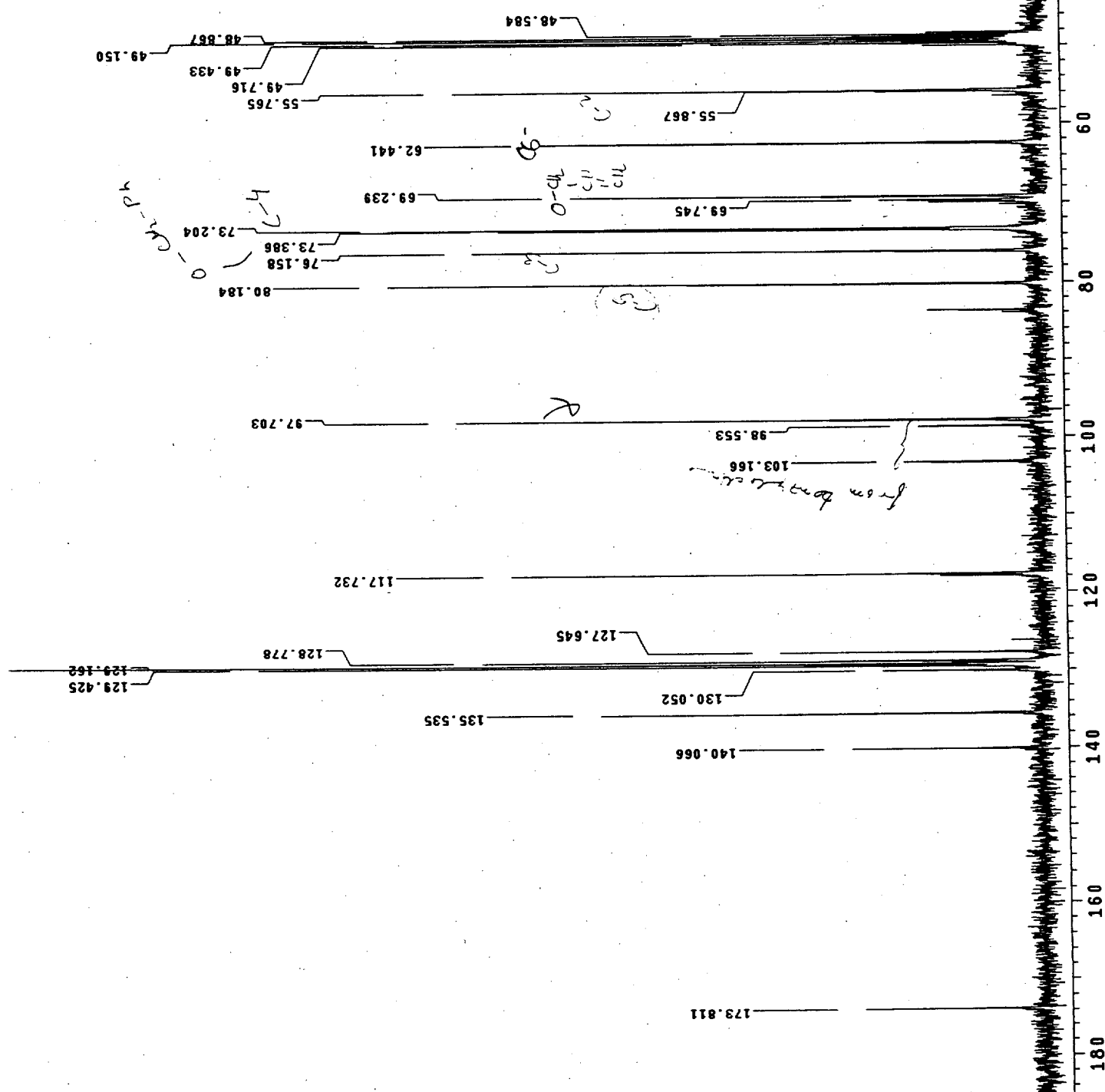
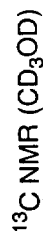


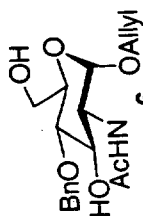




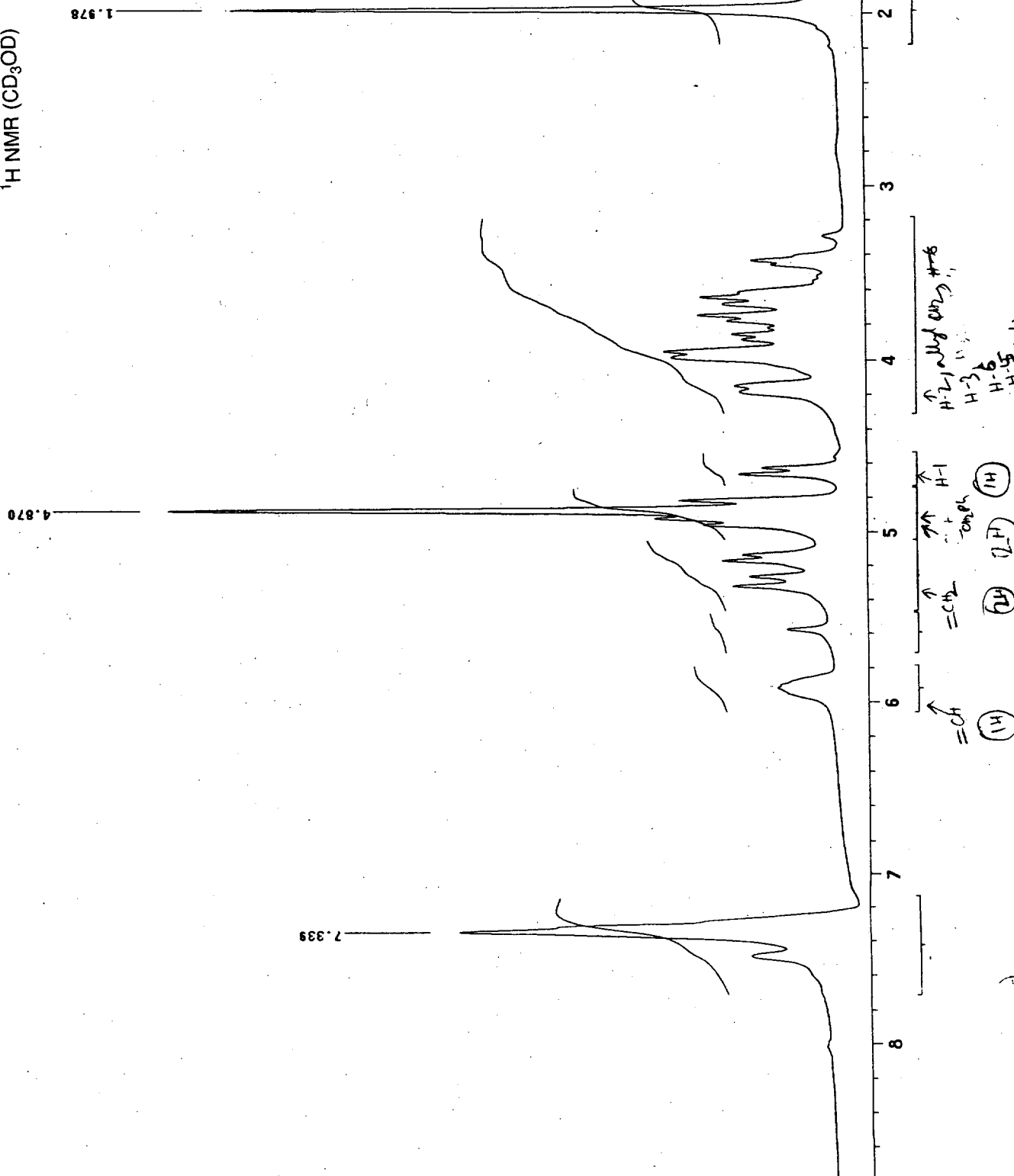
FS
 3, 5, 00222, C-4-allyl, C-6.
 (19.8)
 (19.1)







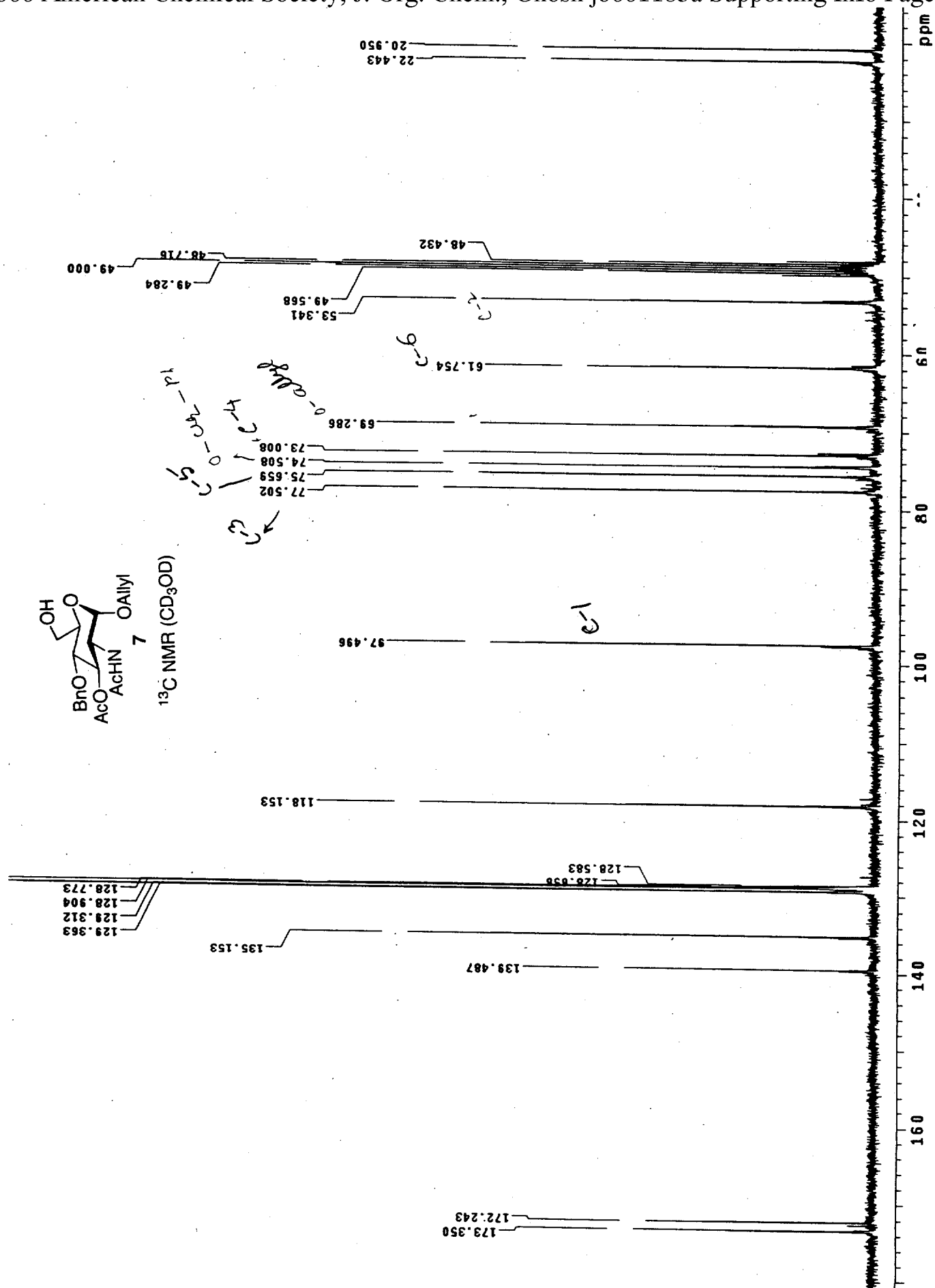
¹H NMR (CD₃OD)



46230-8

46230-8

S 10



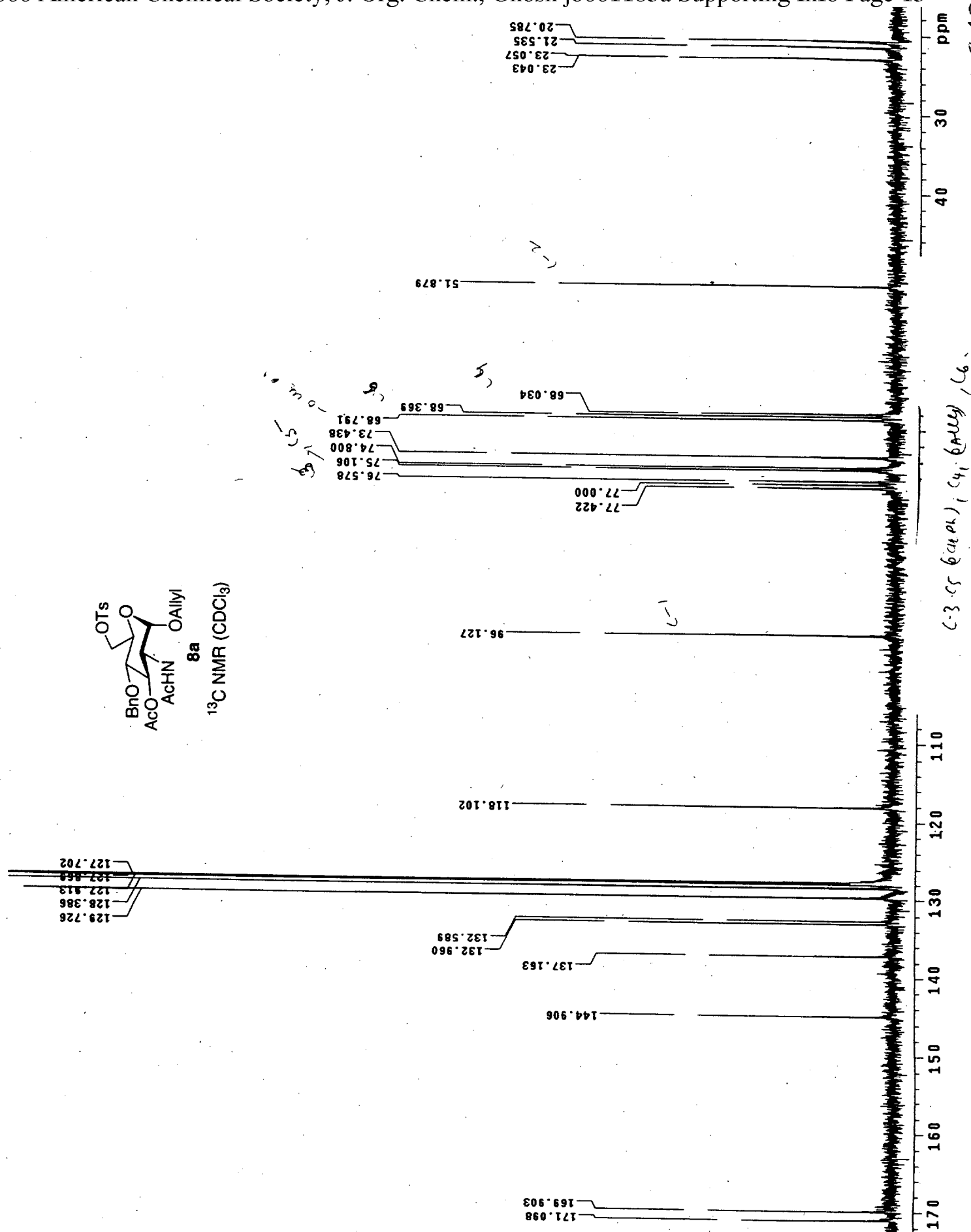
C₃, C₅, OCH₂, C₄, OAllyl, C₆
(61.75)

S11

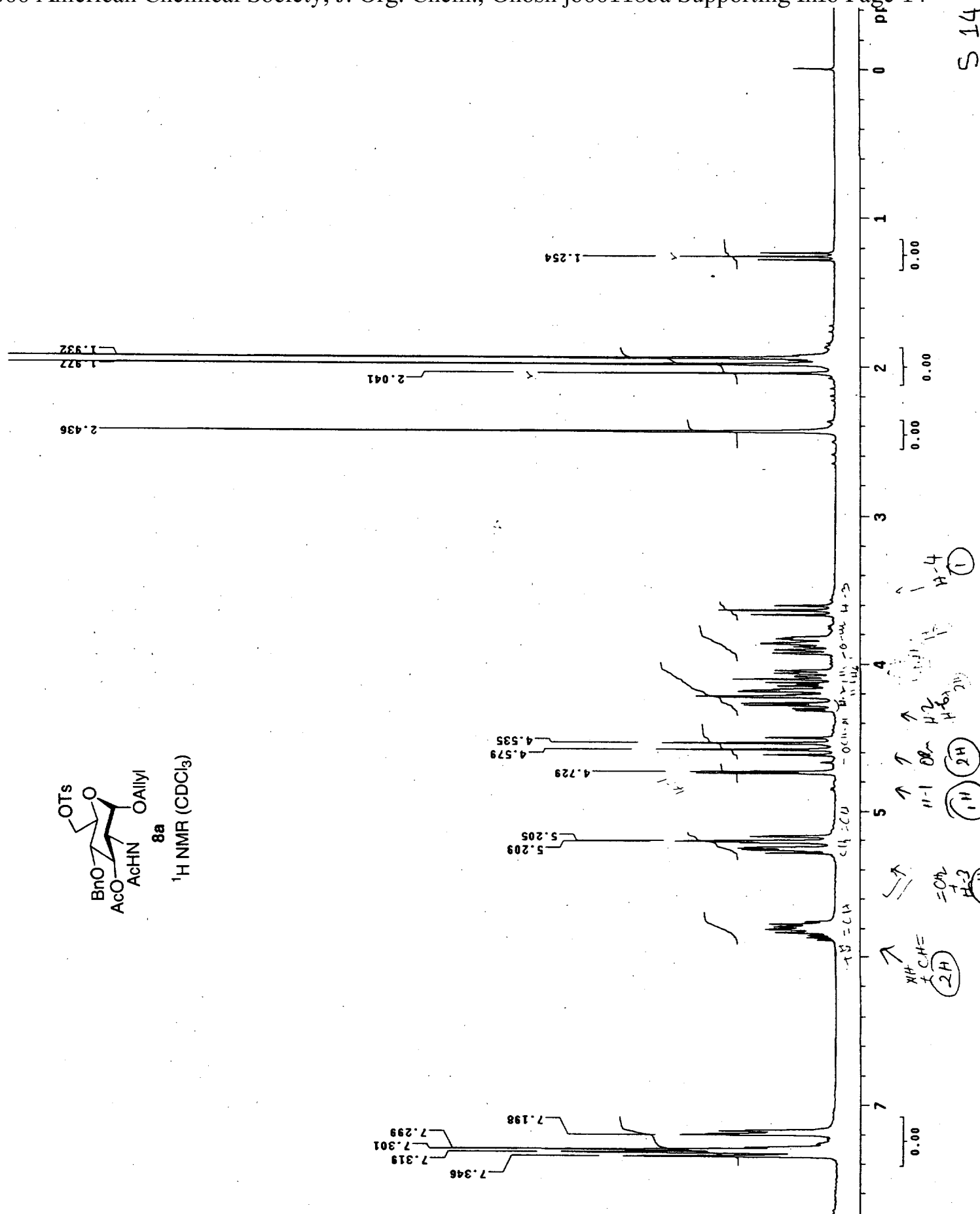
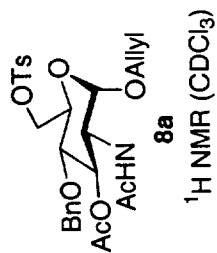


¹H NMR (CD₃OD)





S 14



¹³C OBSERVE

exptl std13c

date 3 97
 solvent CDC13
 file ACQUISITION exp
 sfrm 75.429
 tn C13
 at 1.815
 np 65344
 sv 18001.8
 fb 9900
 bs 128
 tpwr 155
 pw 4.0
 di 0
 tof 0
 nt 3000
 ct 640
 alock n
 gain not used
 flags n
 ll n
 in n
 dp n
 hs nn
 sp 899.1
 v0 12525.5
 v4 200
 v6 0
 v8 250
 w0 50.10
 w4 500.00
 w8 7391.5
 r0 5807.9
 r4 20
 r8 1.000
 ins
 nm ph

DEC. & VT

dfrq 299.948

dn H1

dpwr 43

dof 0

dm yy

dmm w

dmf 9900

dseq 1.0

dres n

homo n

lb 1.00

wfile

proc ft

fn not used

math f

werr wft

wexp wft

wbs wft

wnt wft

DISPLAY

899.1

12525.5

200

0

250

50.10

500.00

7391.5

5807.9

20

1.000

 128.255
 127.782
 127.638
 127.570

132.931

137.207

117.934

96.018

 76.279
 74.698
 73.329

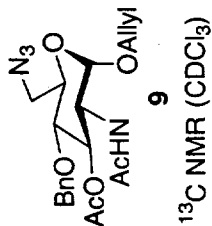
70.233

68.245

 51.864
 50.786

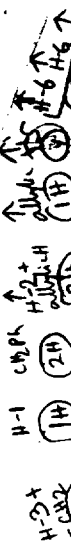
22.831

20.625

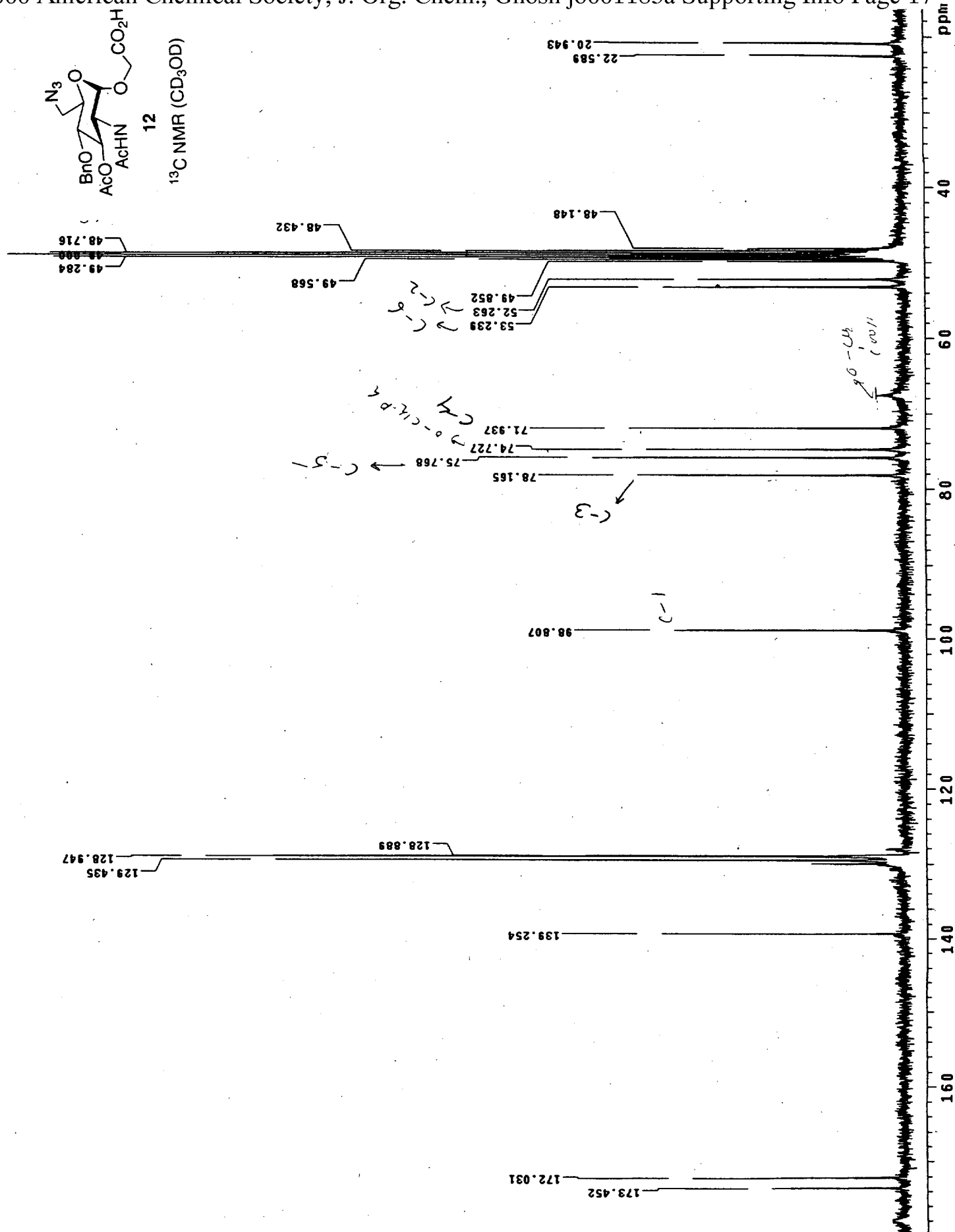
¹³C NMR (CDCl₃)

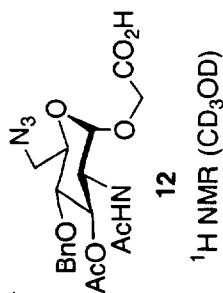
160 140 120 100 80 60 40 20 ppm

S15



STANDARD 1H OBSERVE





12

¹H NMR (CD₃OD)