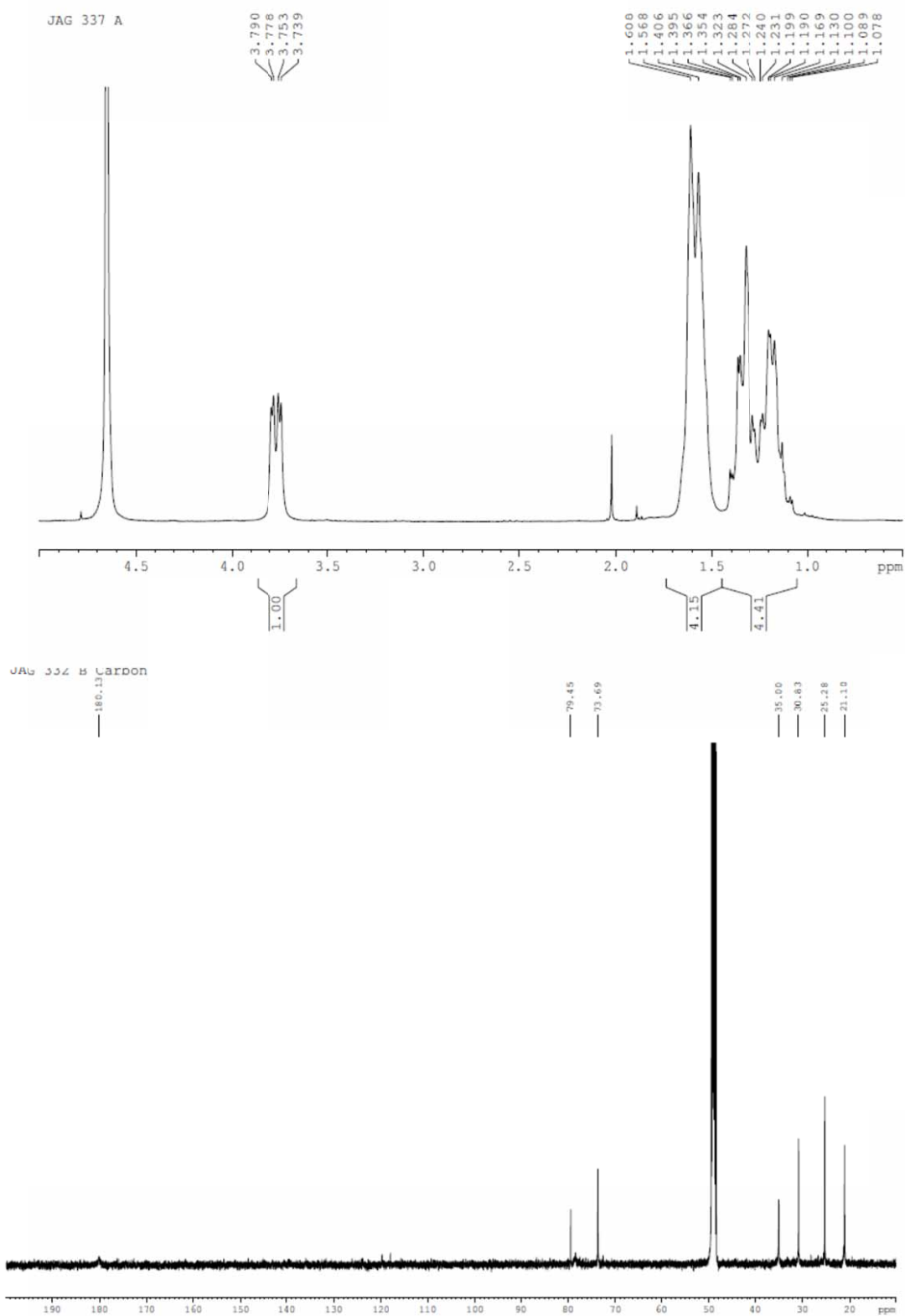
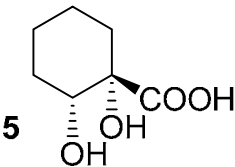
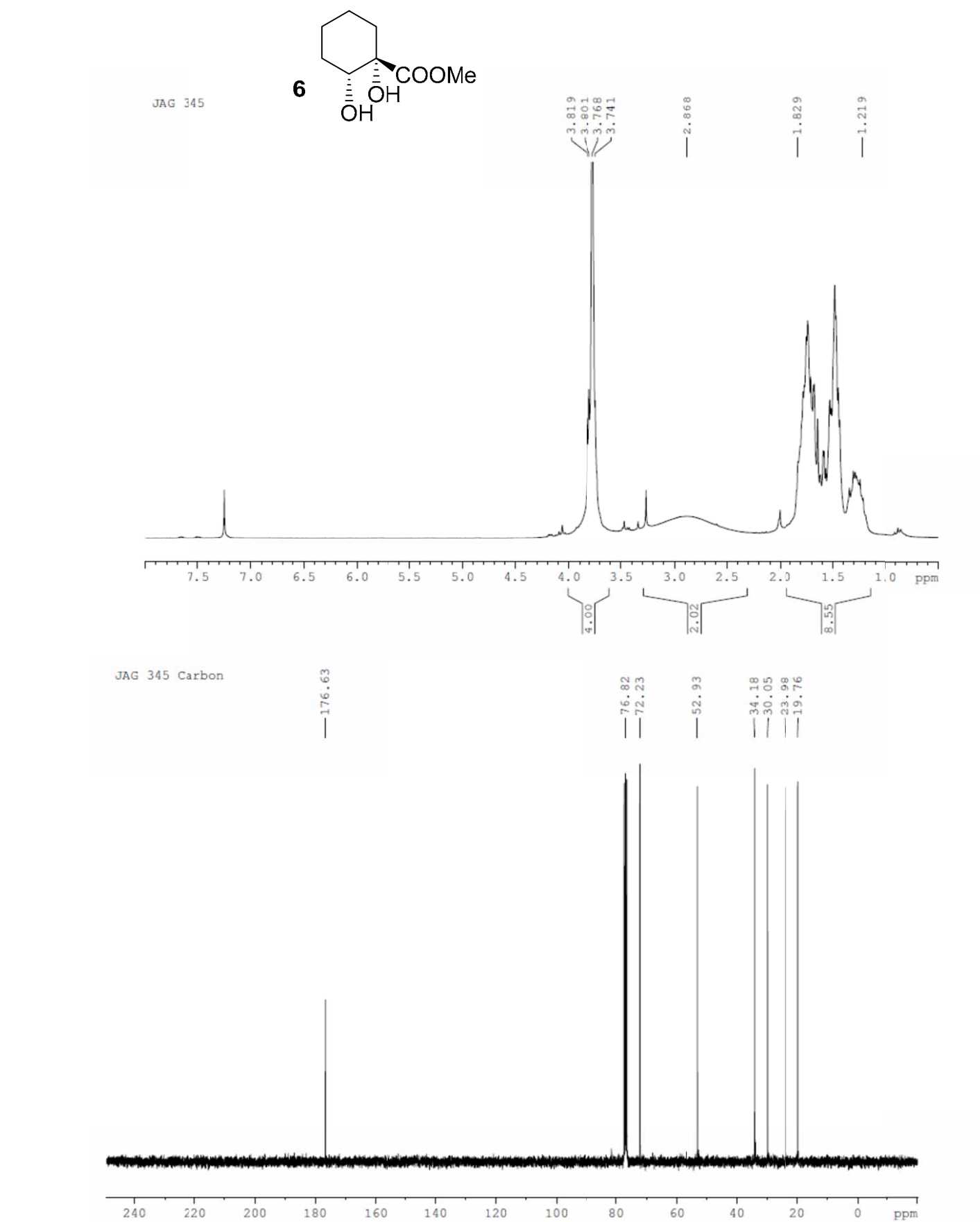


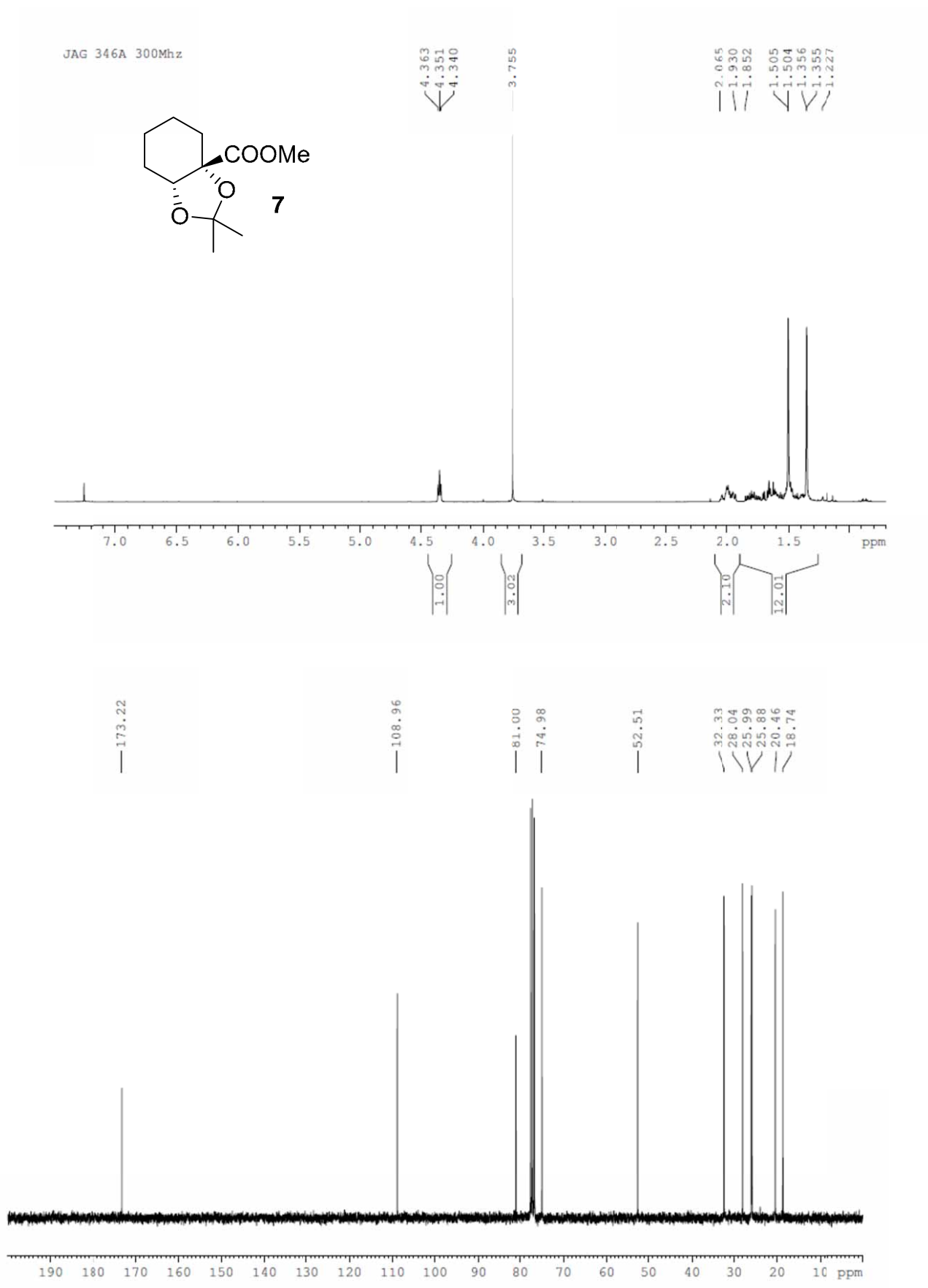
Benzoate Dioxygenase from *R. eutropha* B9 – Unusual Regiochemistry of Dihydroxylation Permits Rapid Access to Novel Chirons

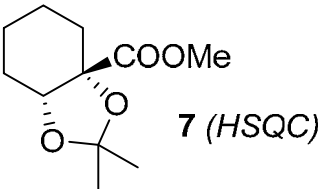
Julia A. Griffen,^[a] Sarah J. Kenwright,^[a] Sarah Abou-Shehada,^[a] Scott Wharry,^[b] Tom S. Moody^{*[b]} and Simon E. Lewis^{*[a]}

ELECTRONIC SUPPORTING INFORMATION

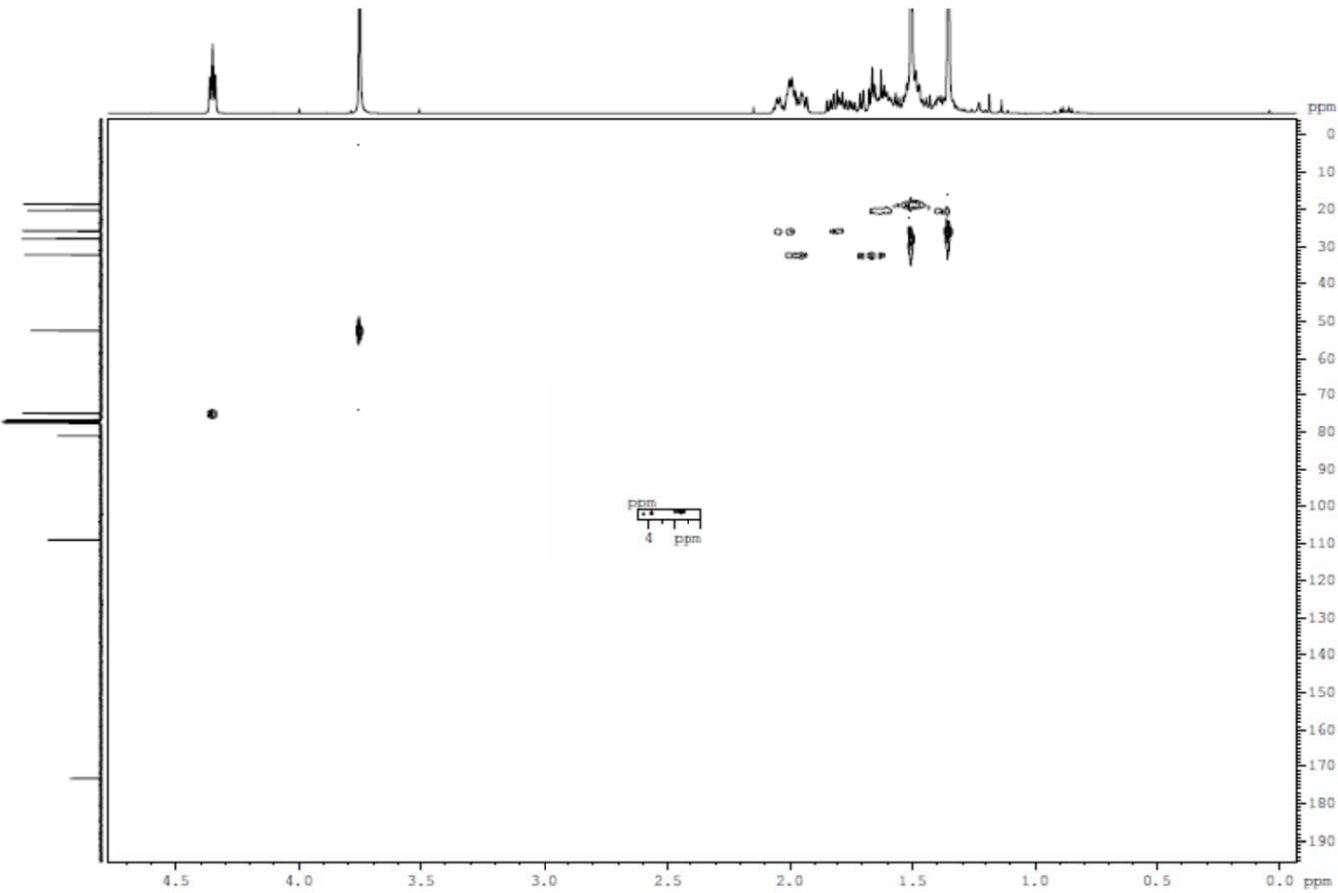


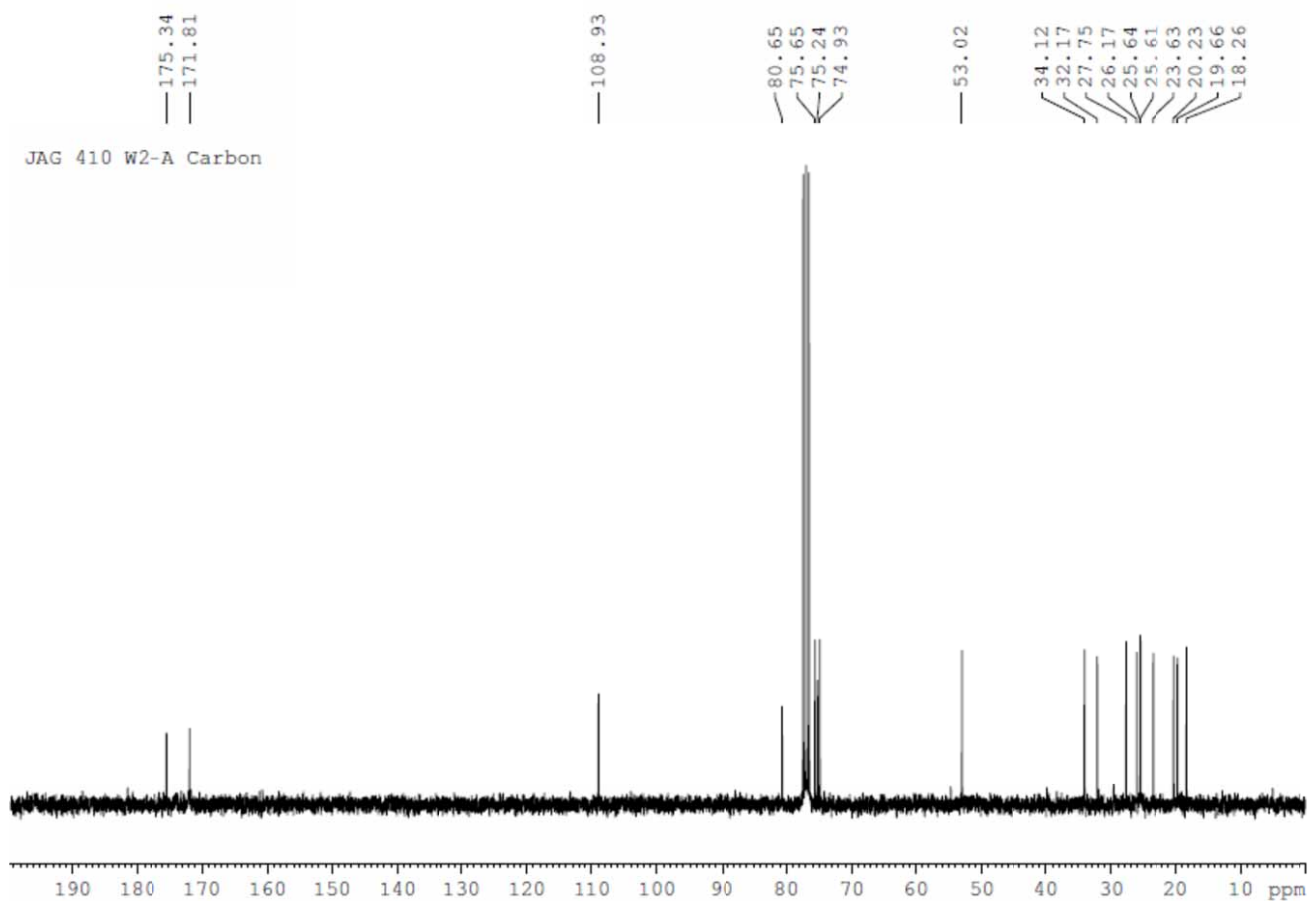
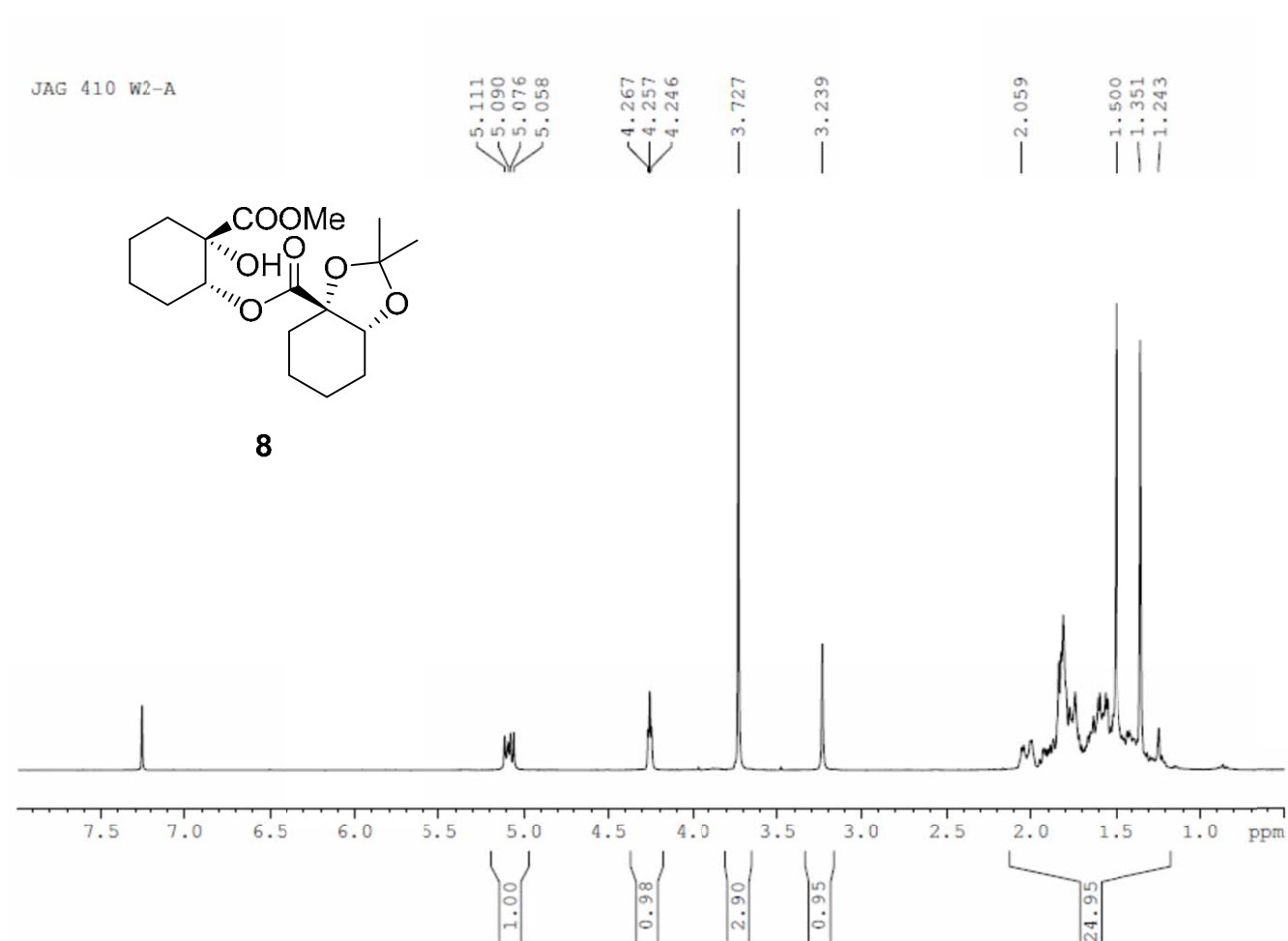


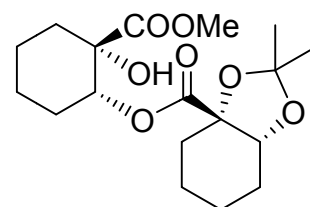




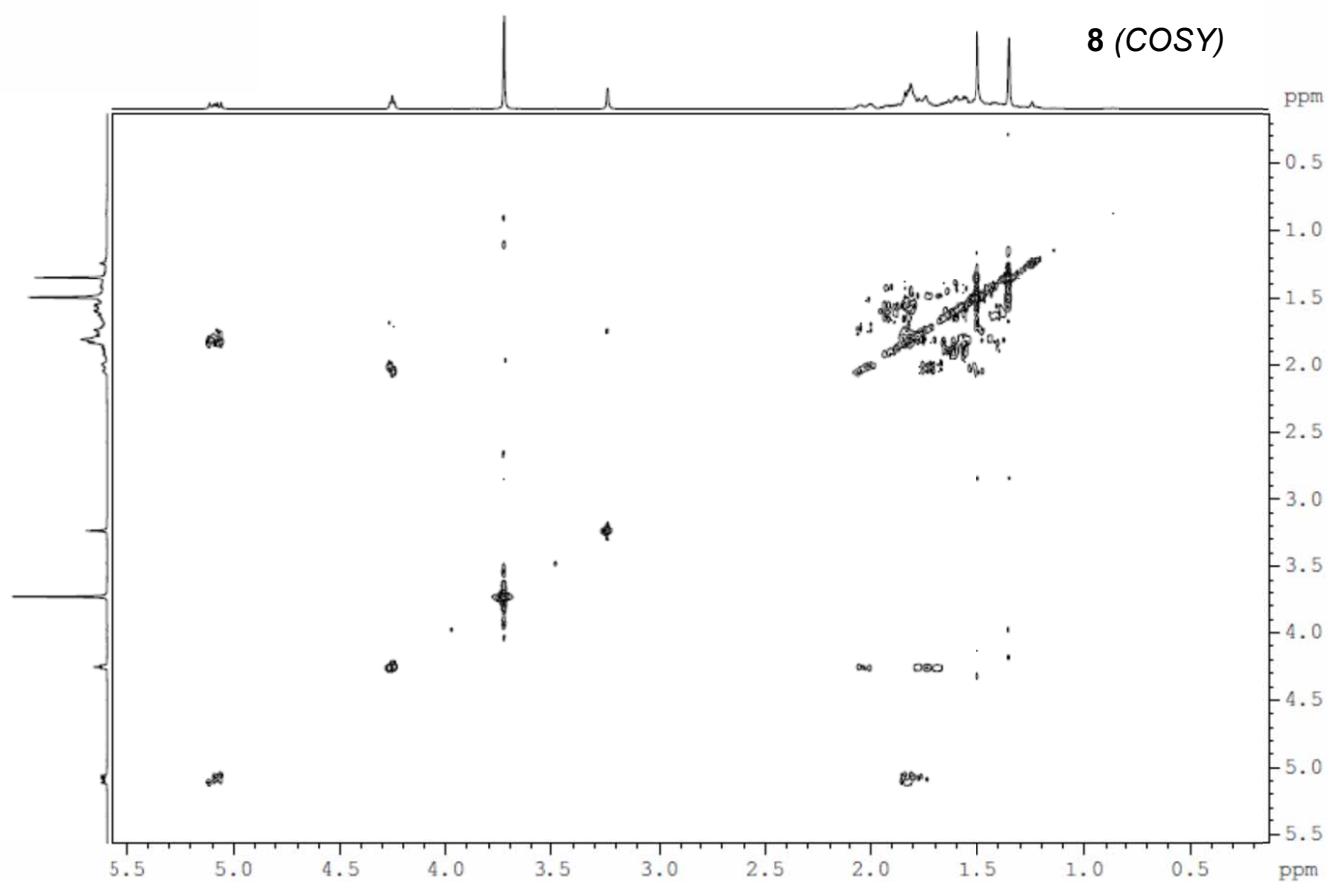
JAG 346A HSQC



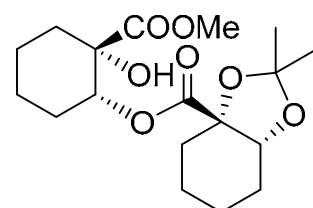
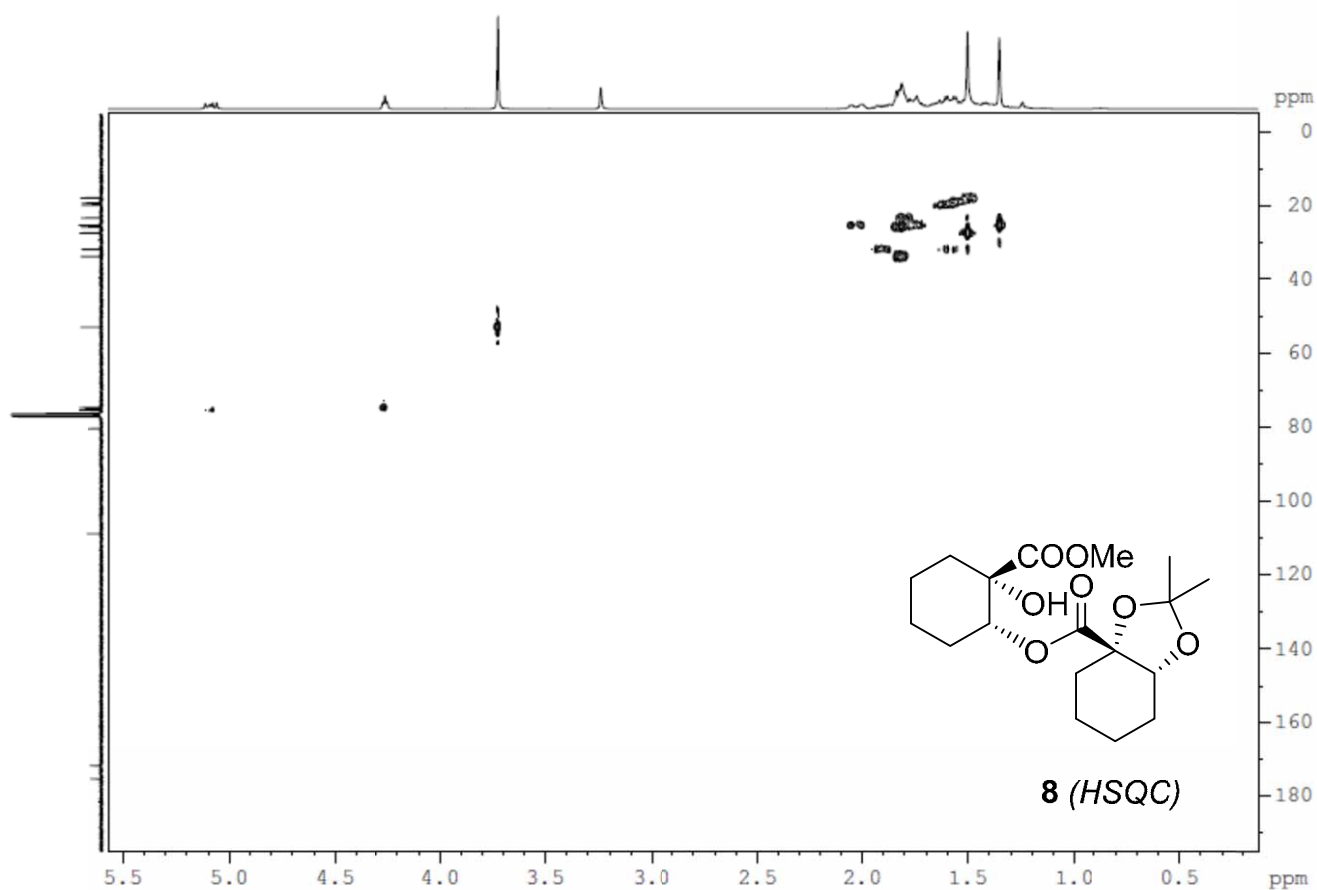




8 (COSY)

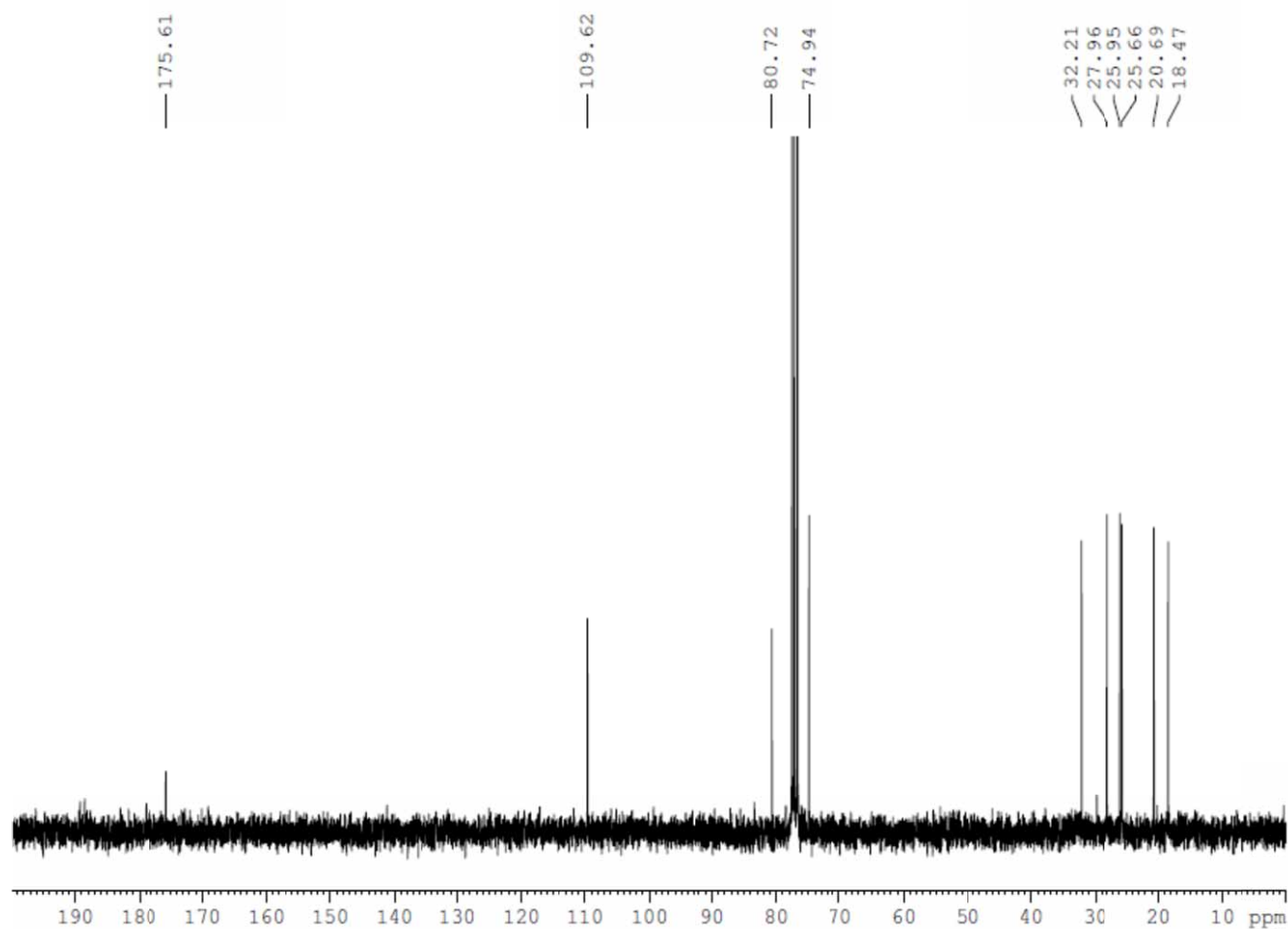
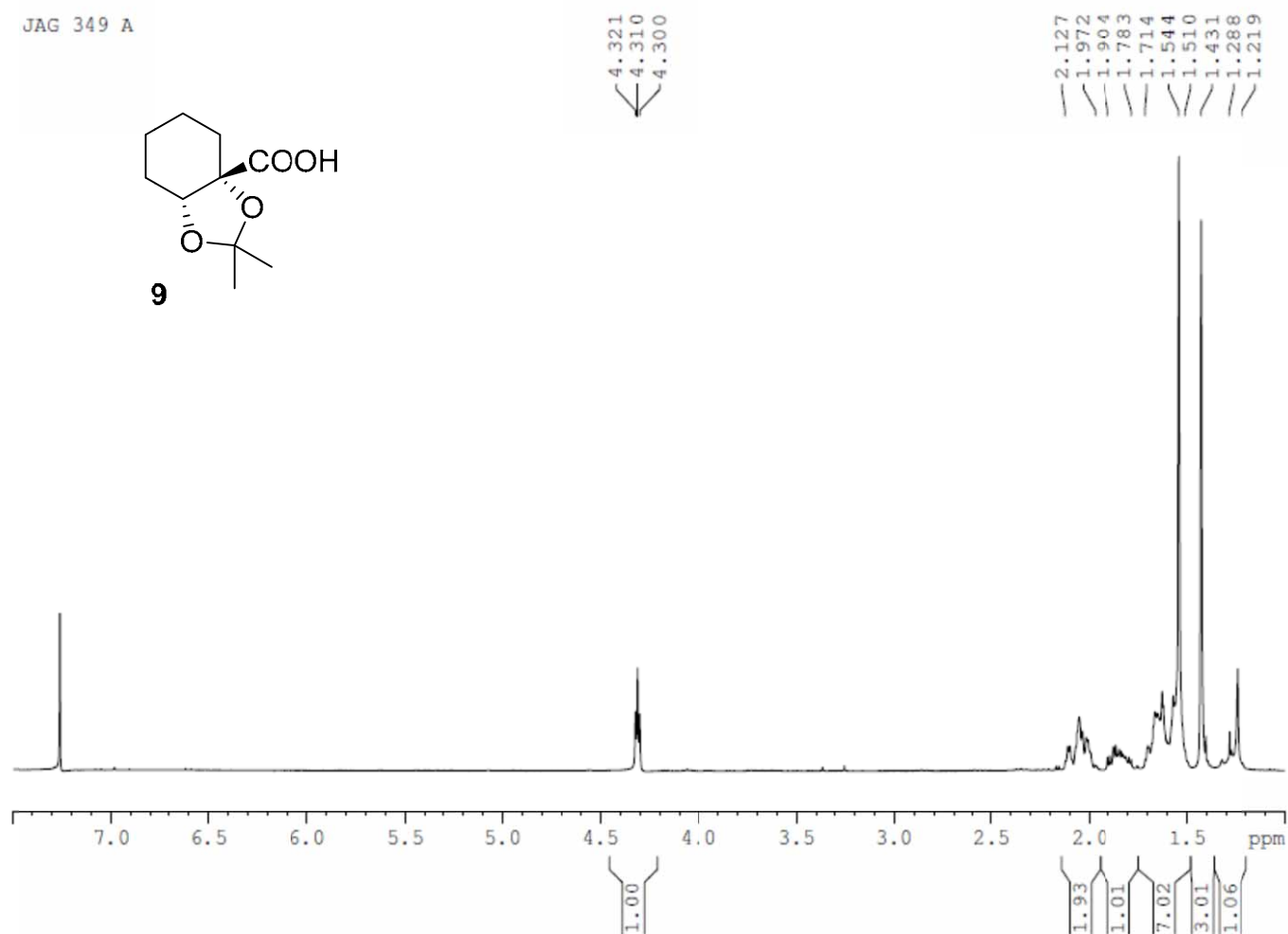
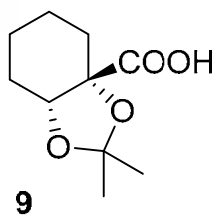


JAG 410 W2-A HSQC

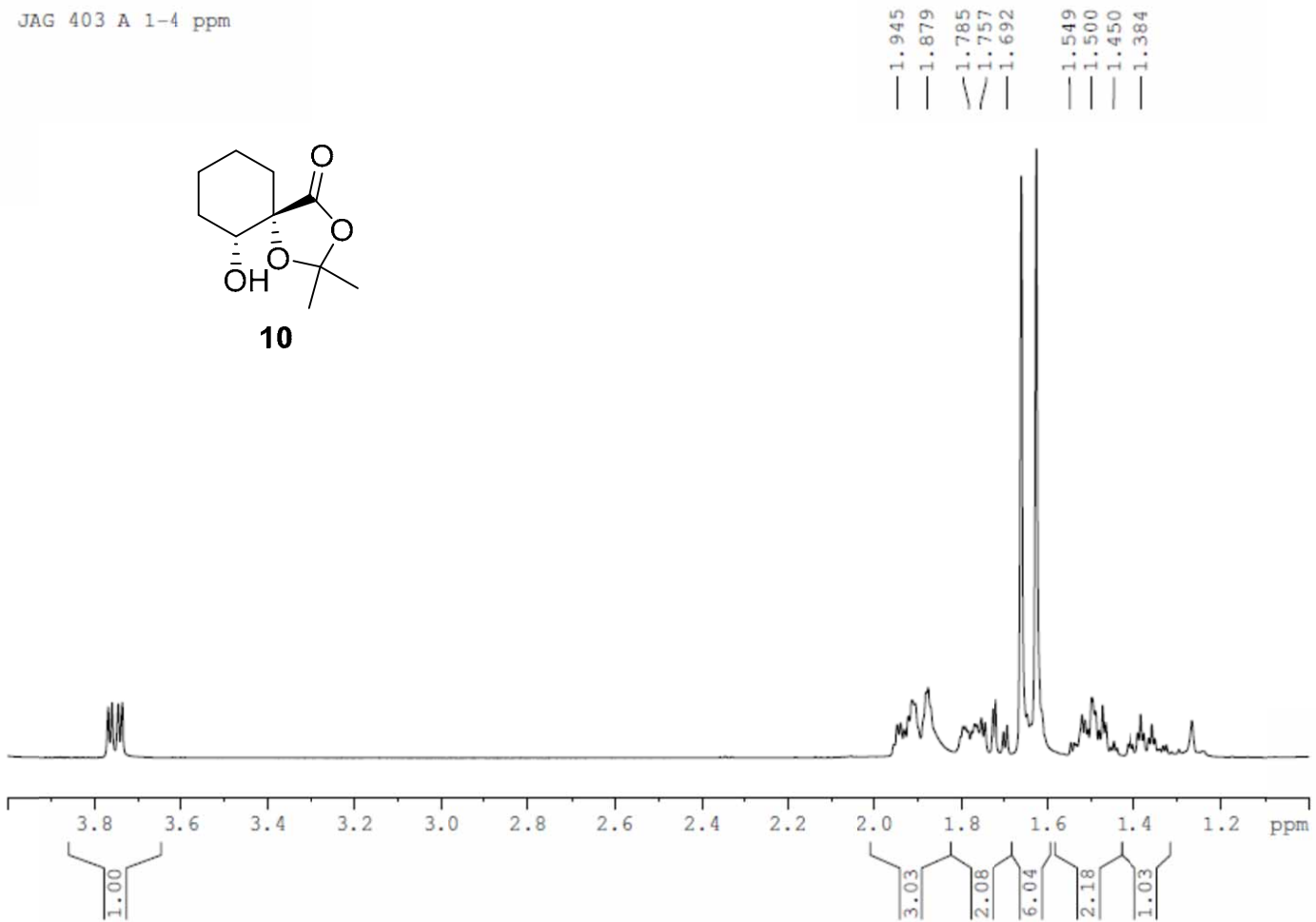


8 (HSQC)

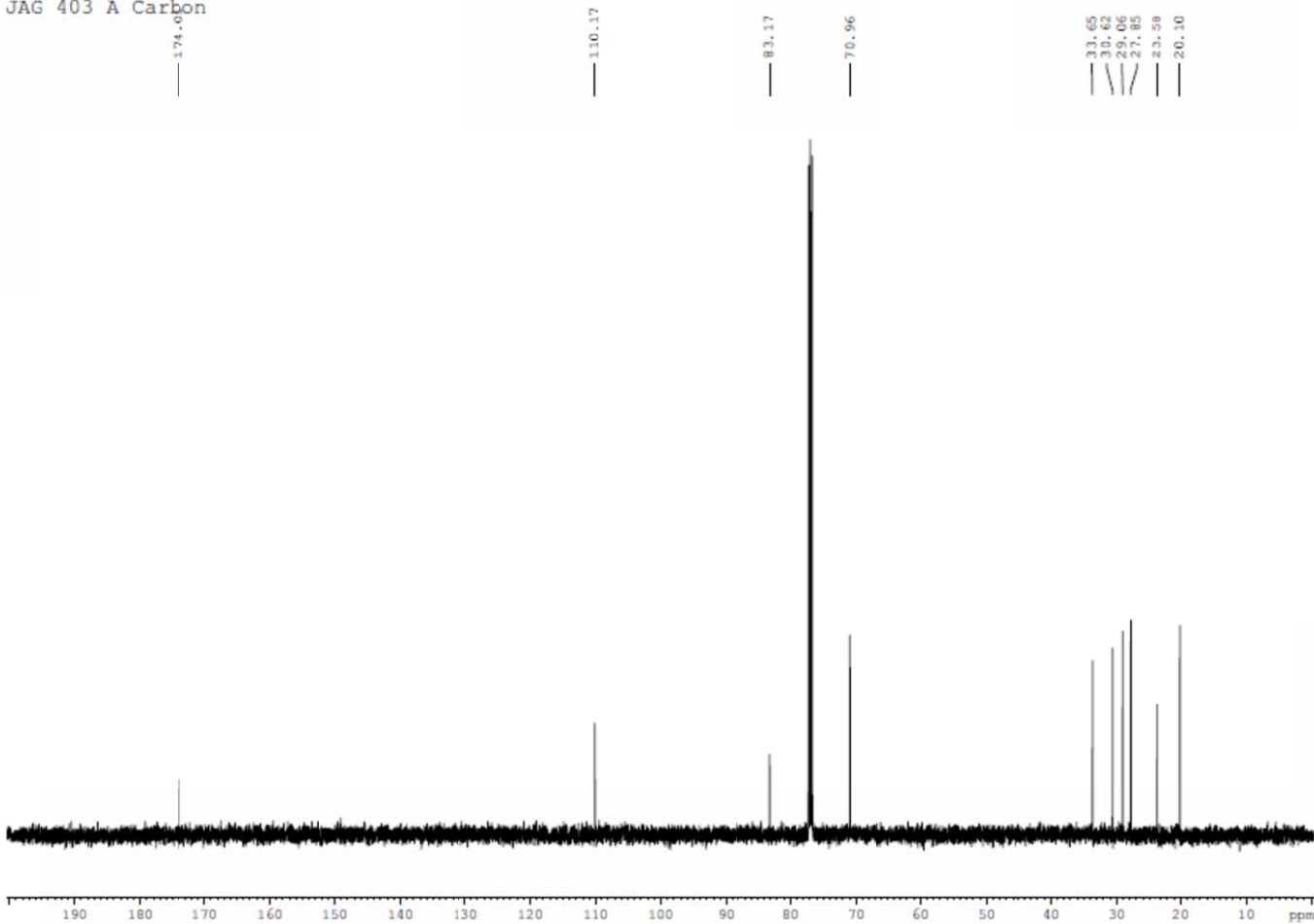
JAG 349 A



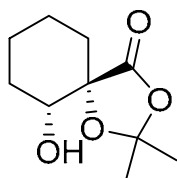
JAG 403 A 1-4 ppm



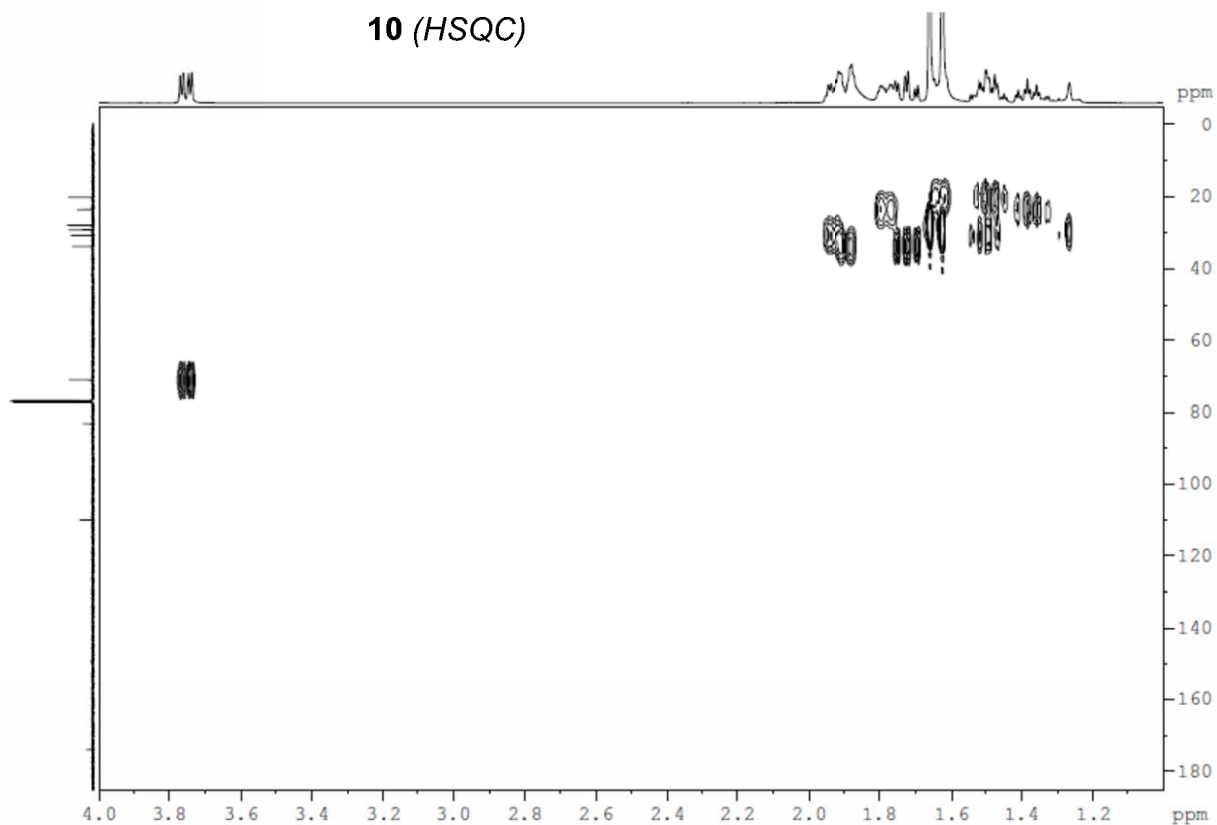
JAG 403 A Carbon



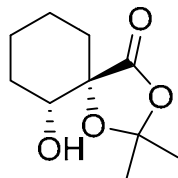
JAG 403 A 1-4 ppm



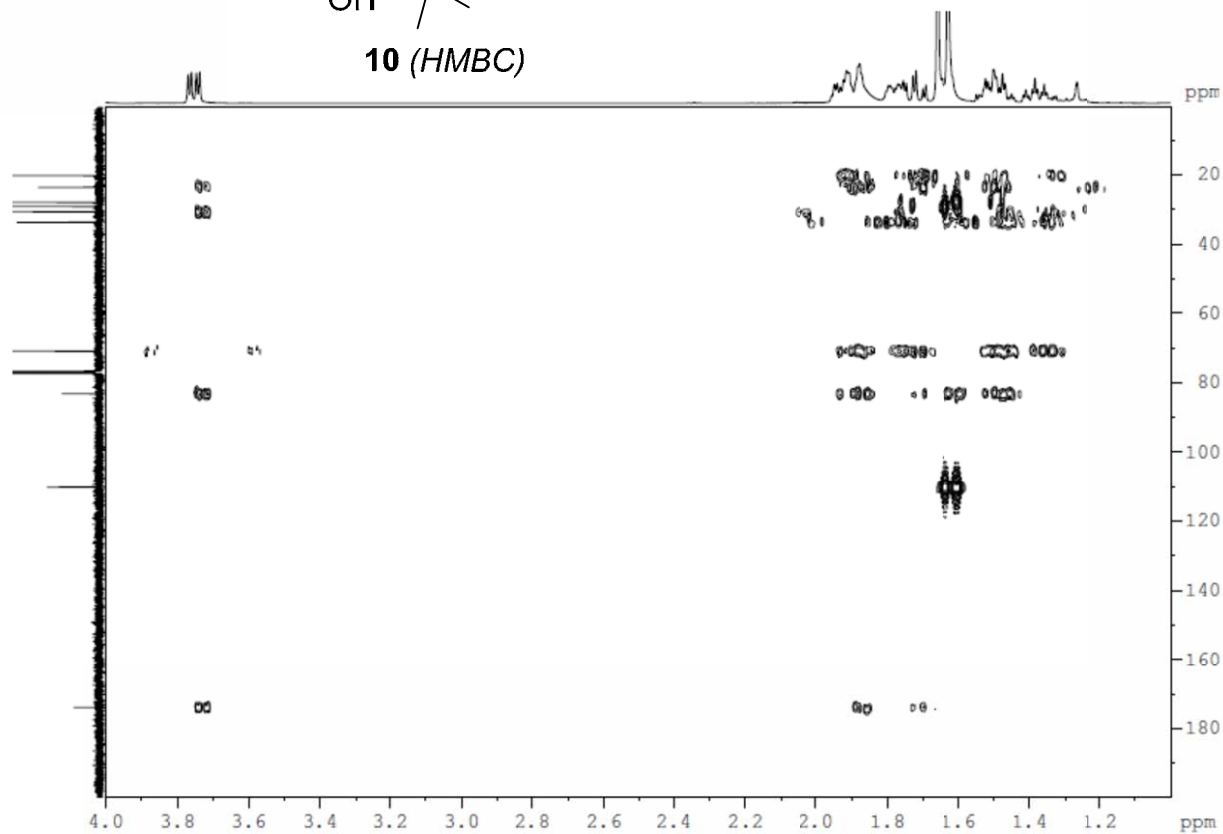
10 (HSQC)

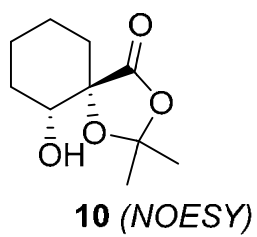


JAG 403 A HMBC

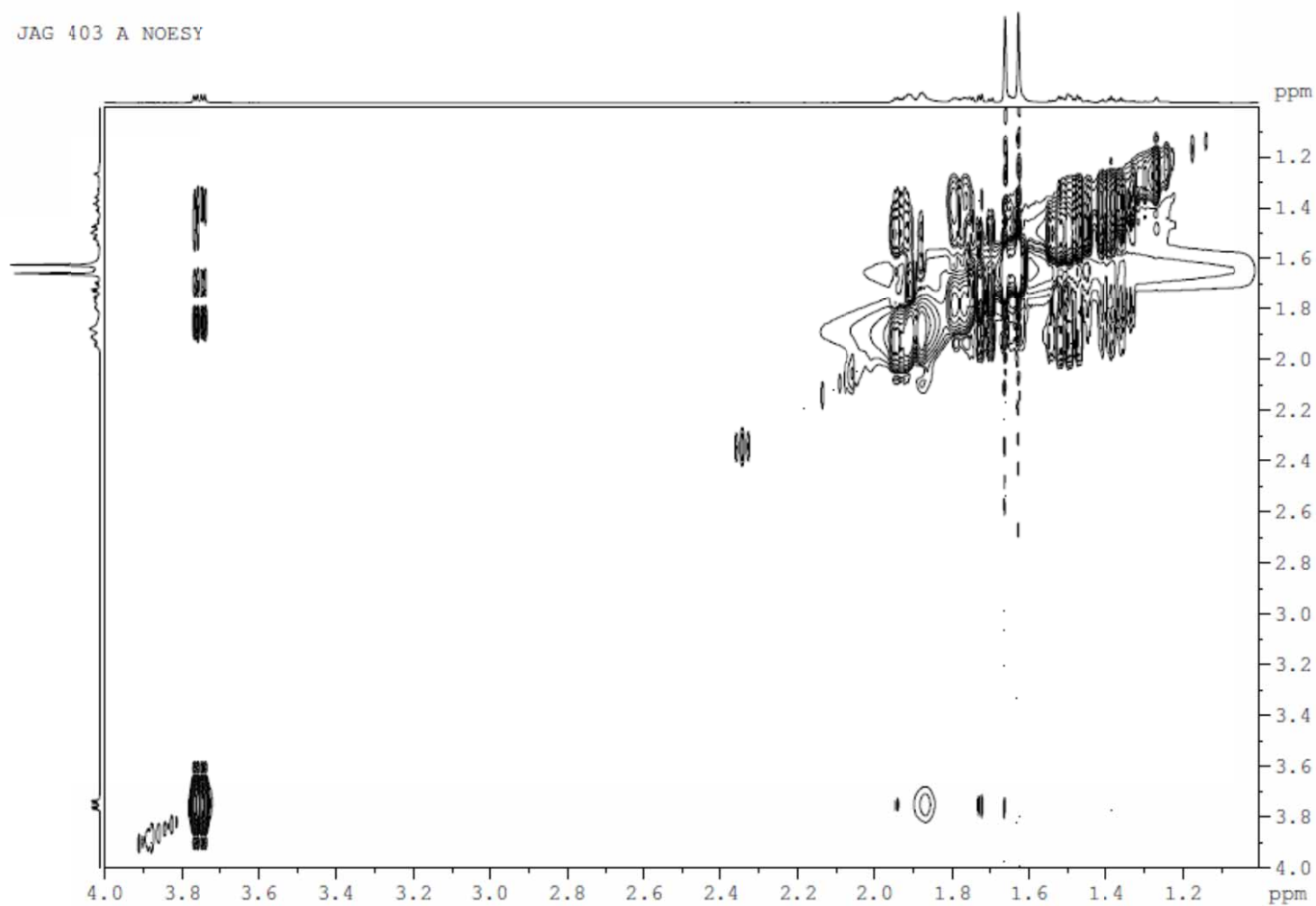


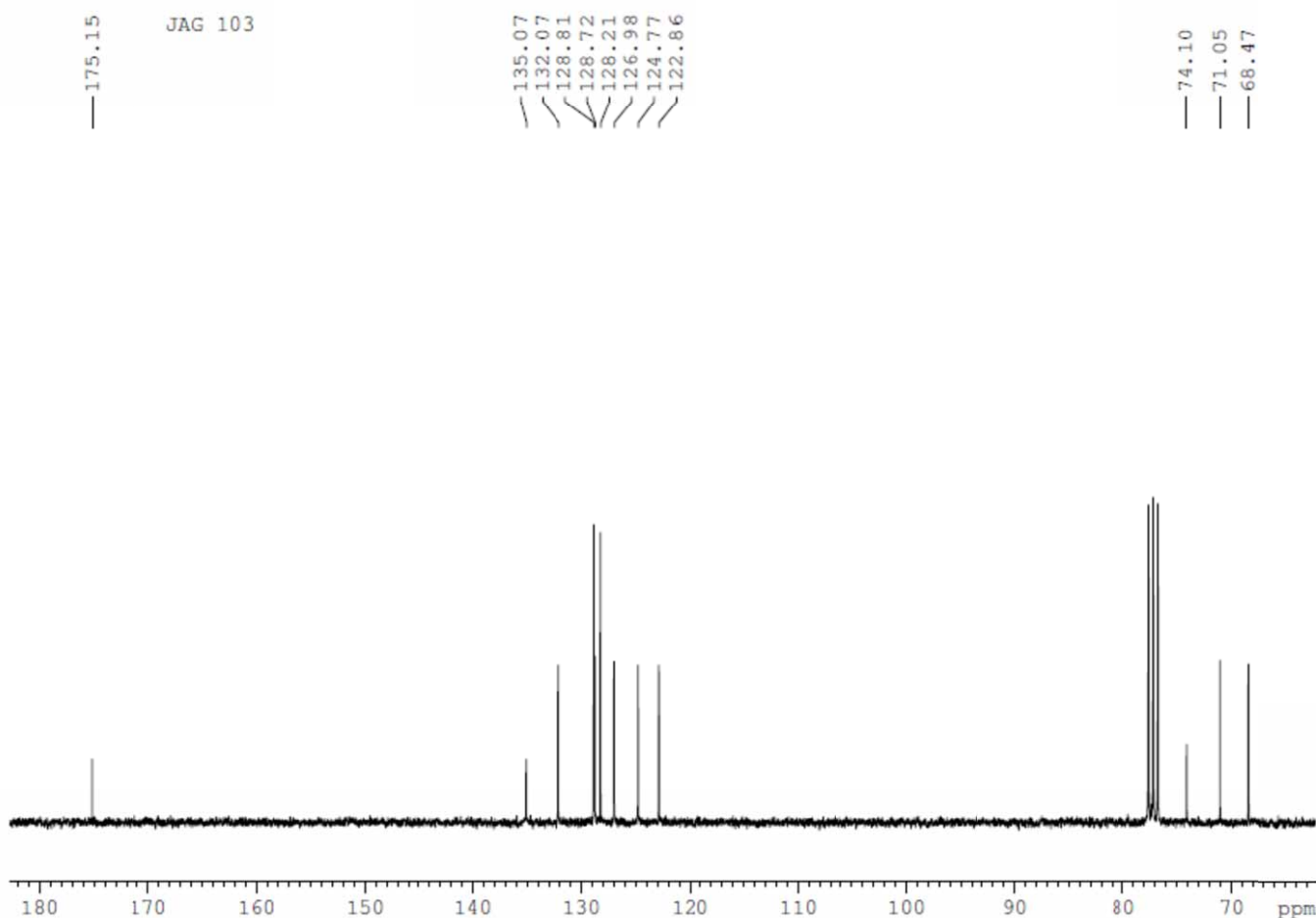
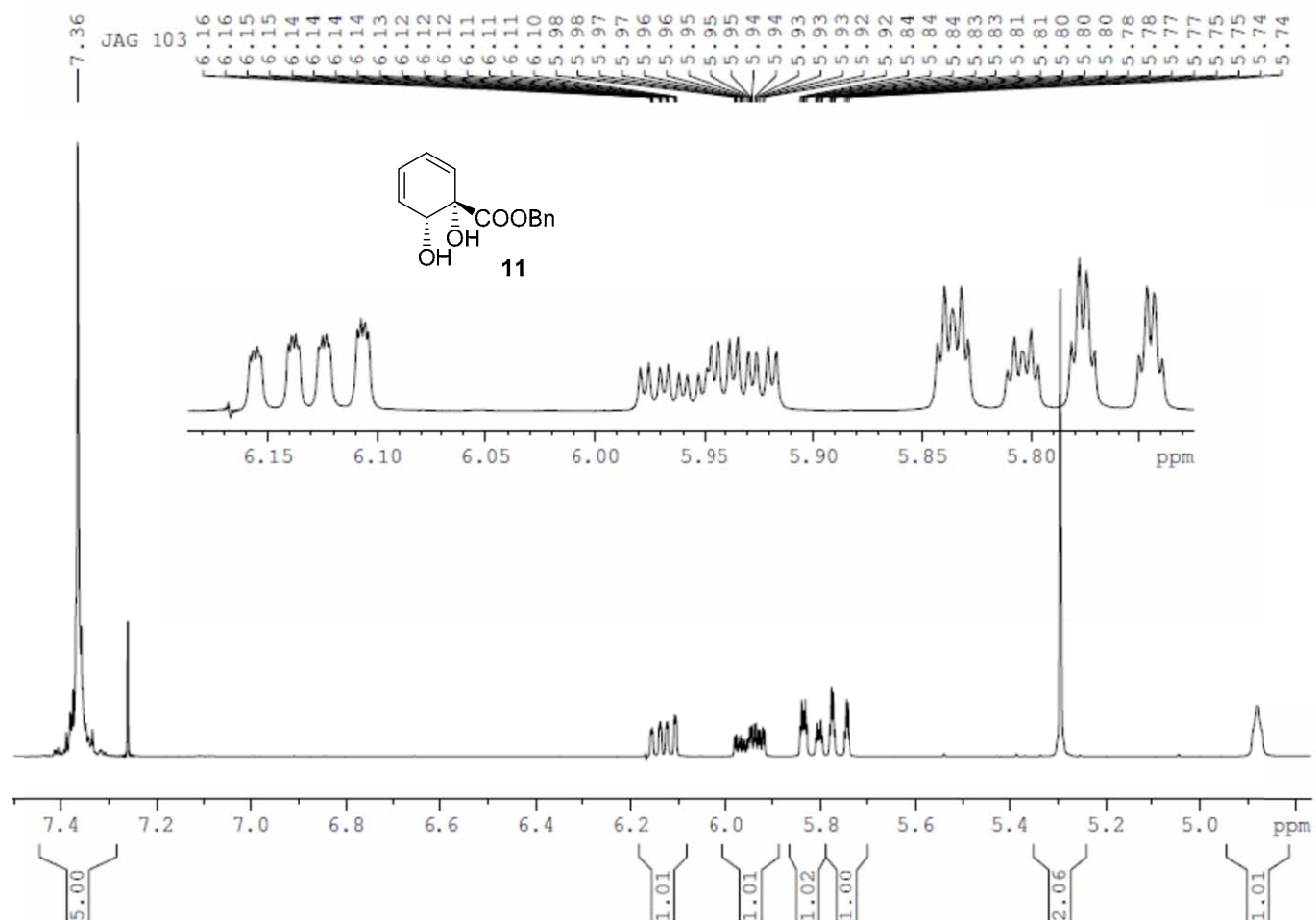
10 (HMBC)

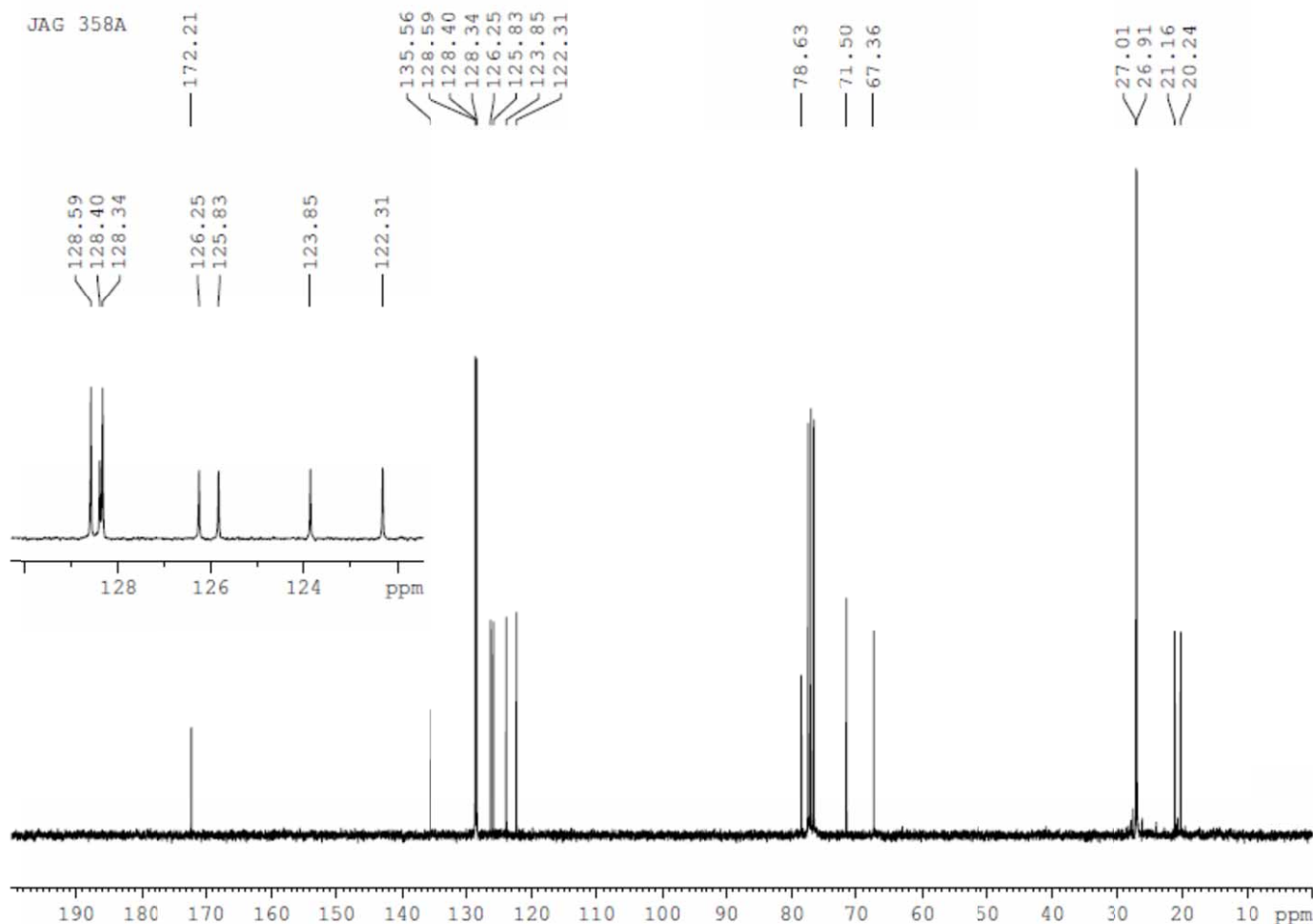
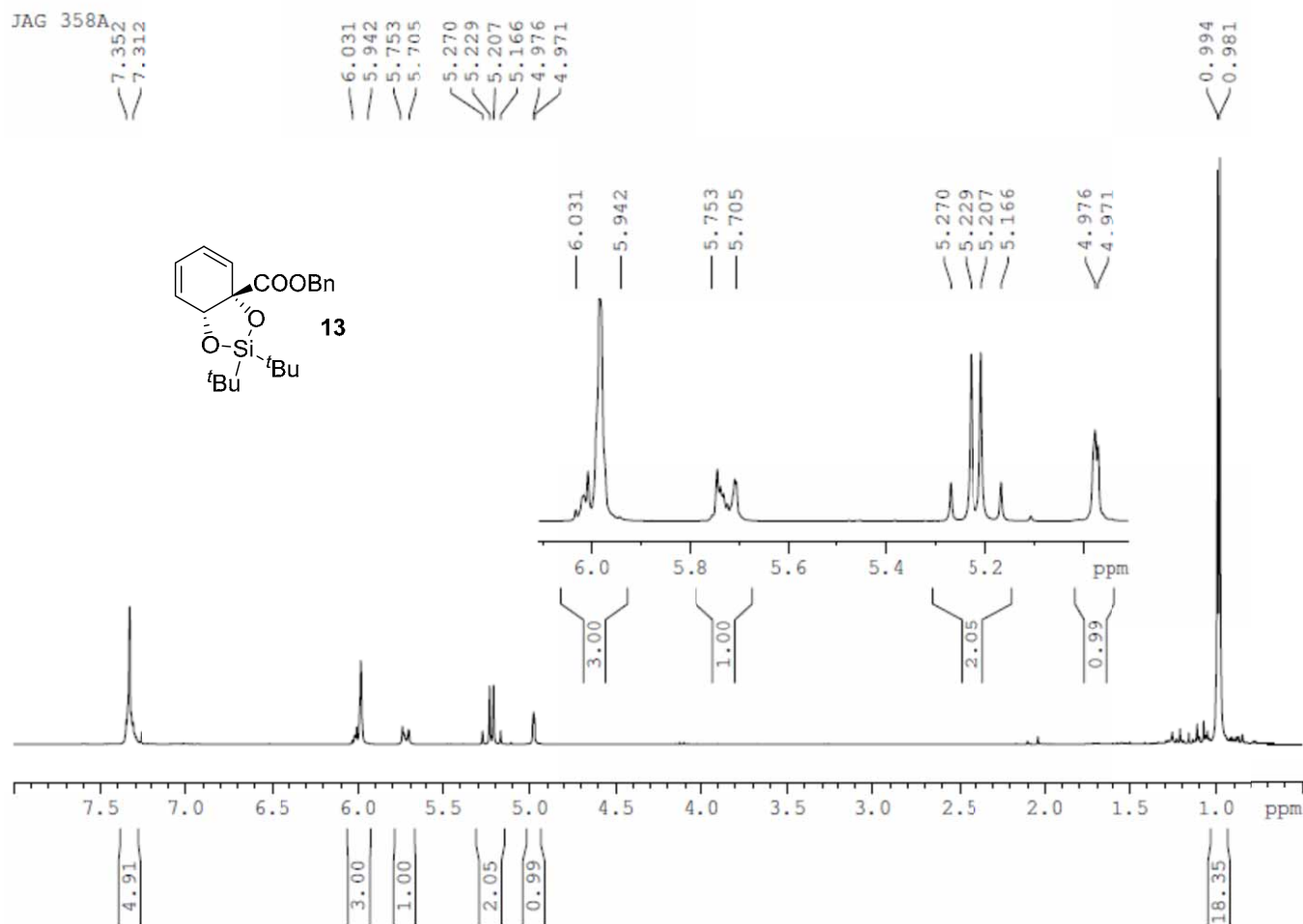




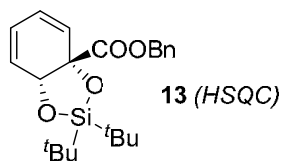
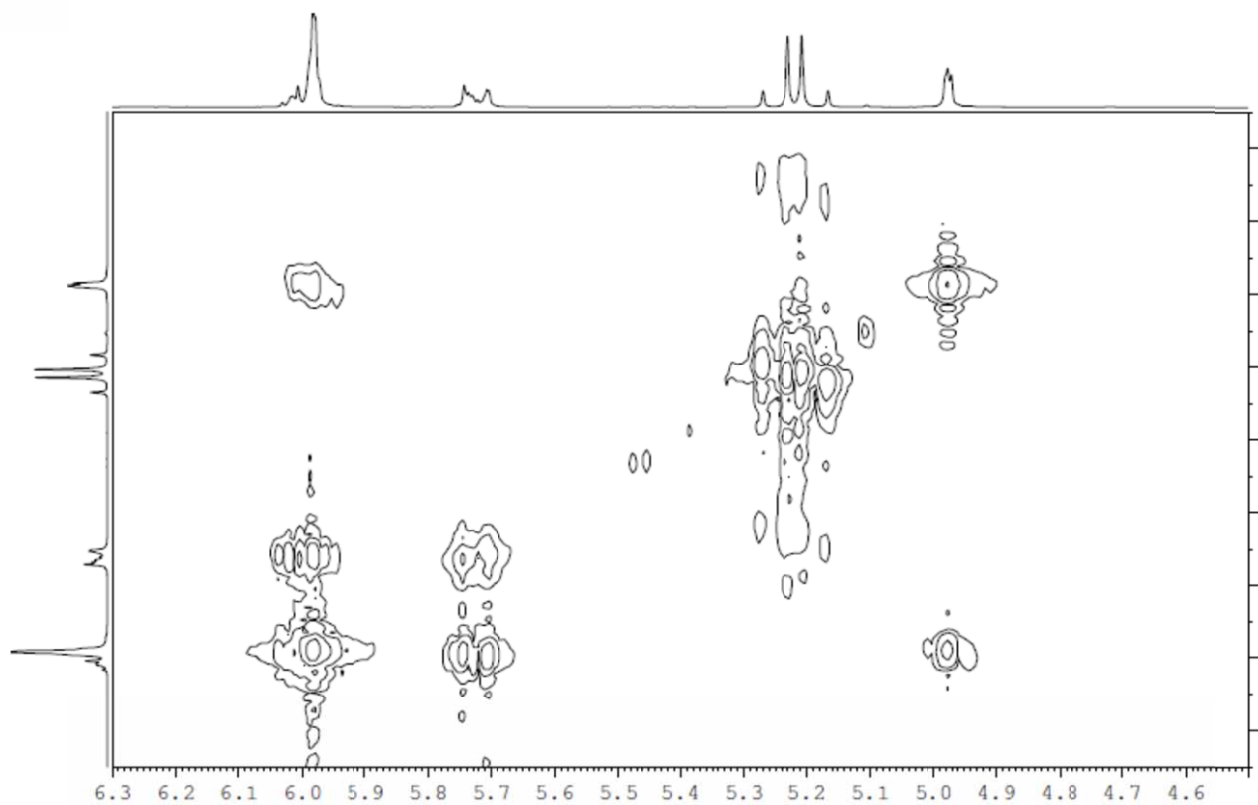
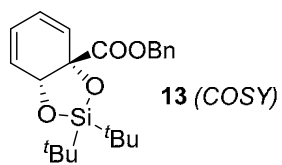
JAG 403 A NOESY



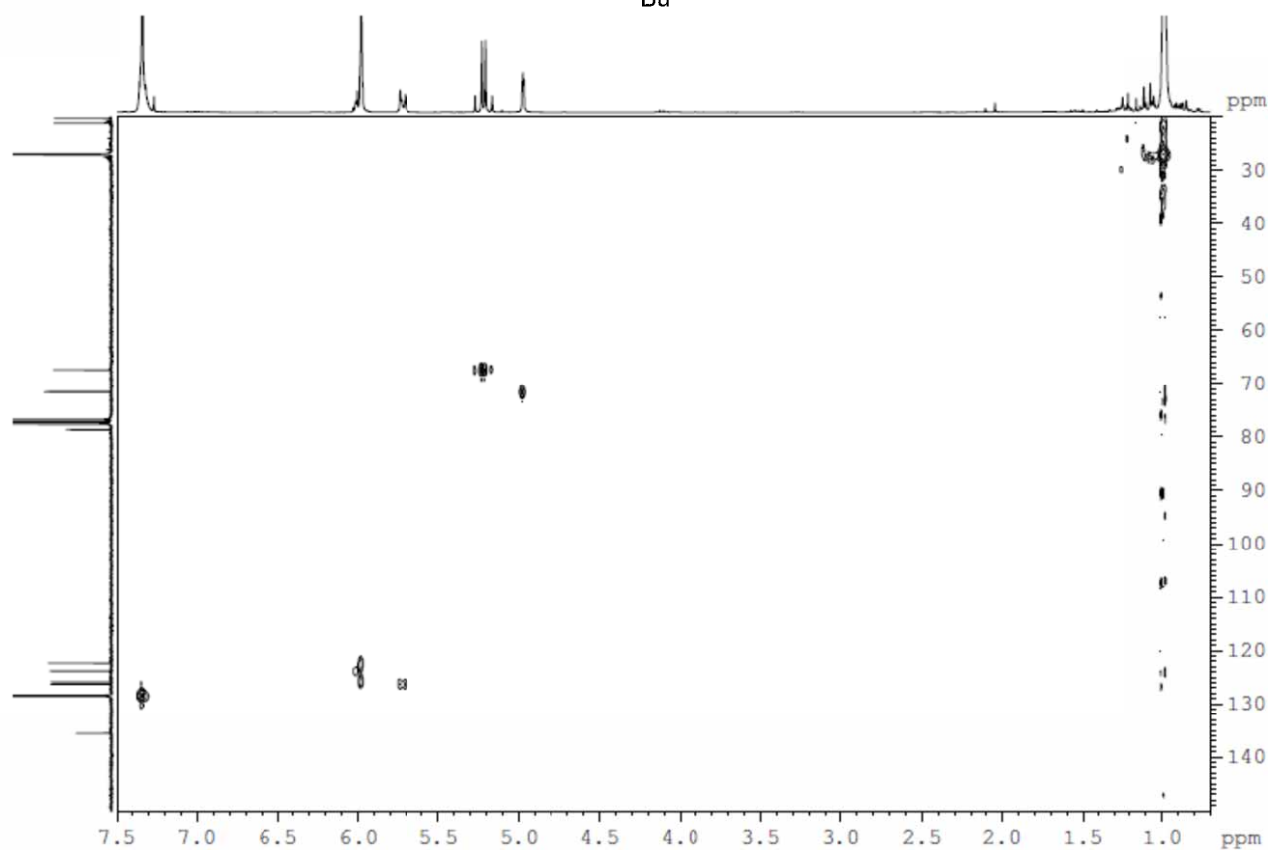


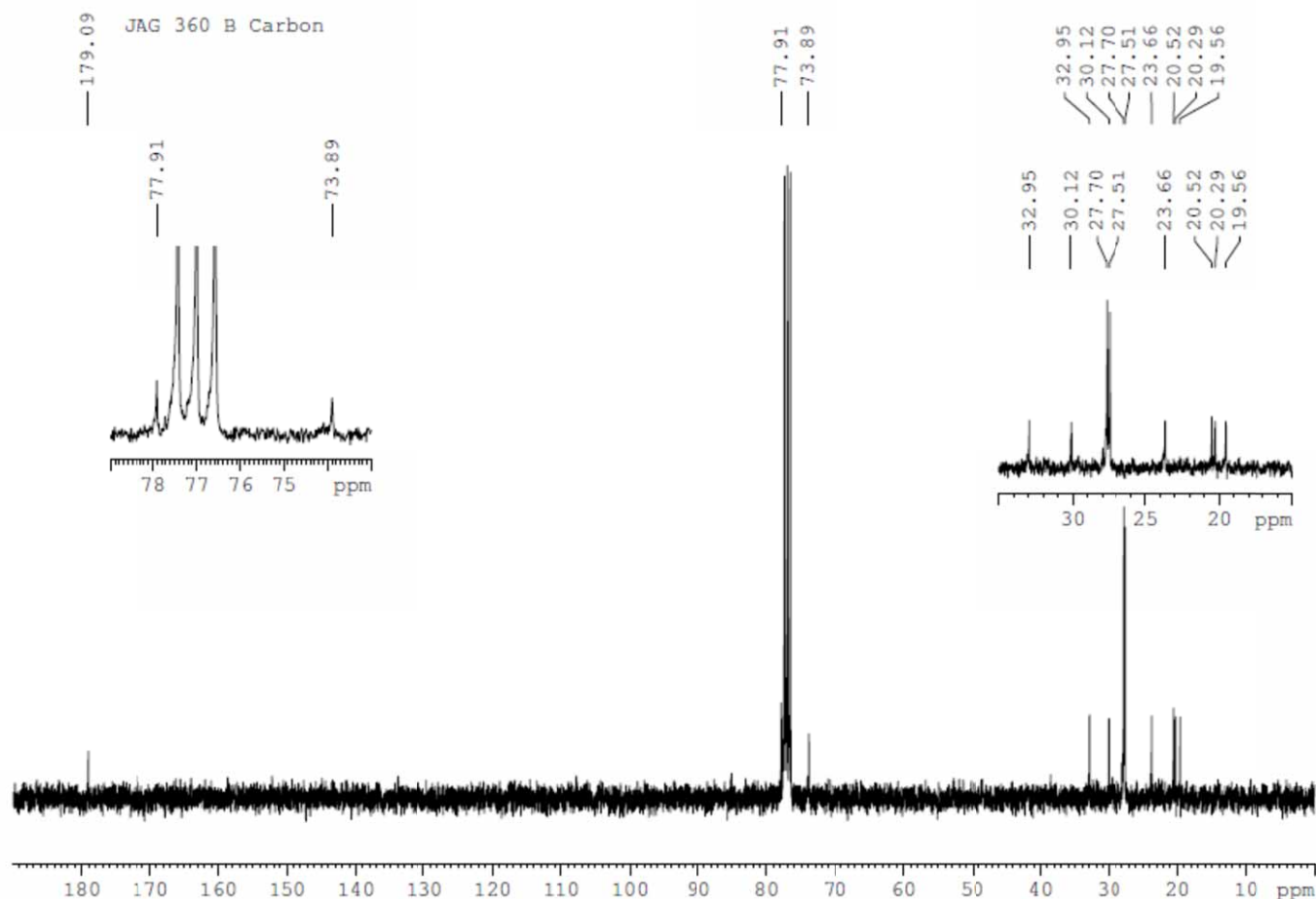
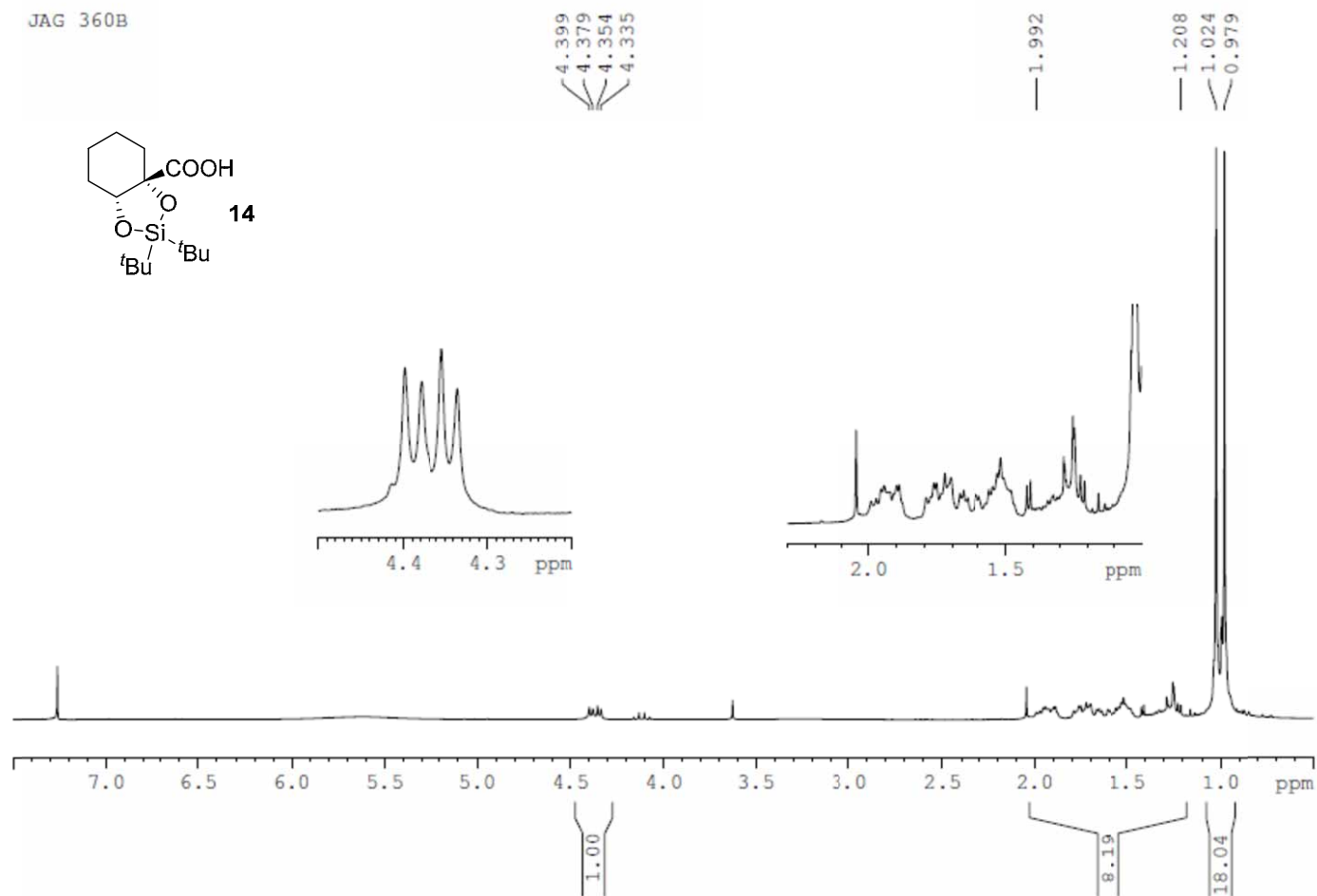


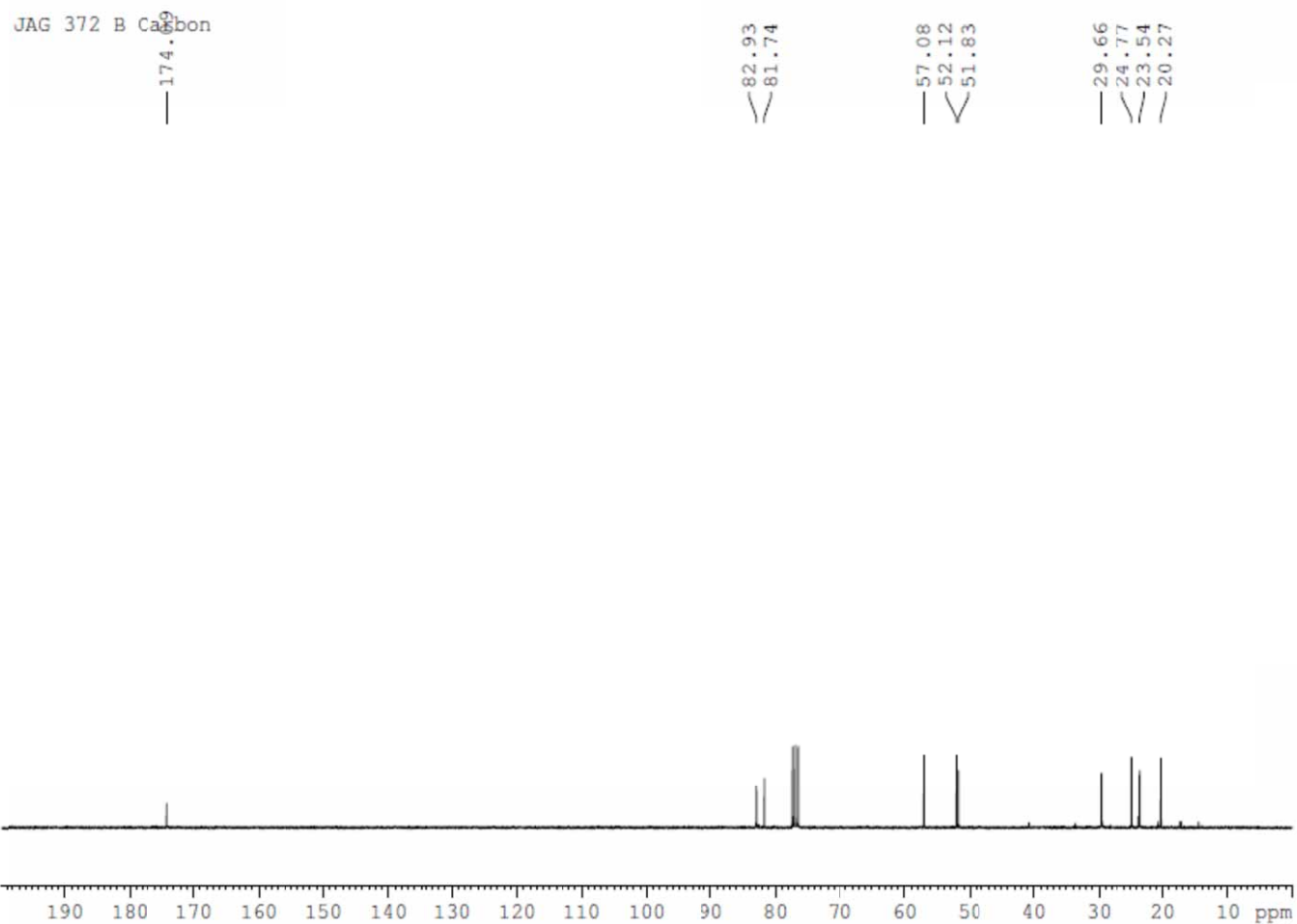
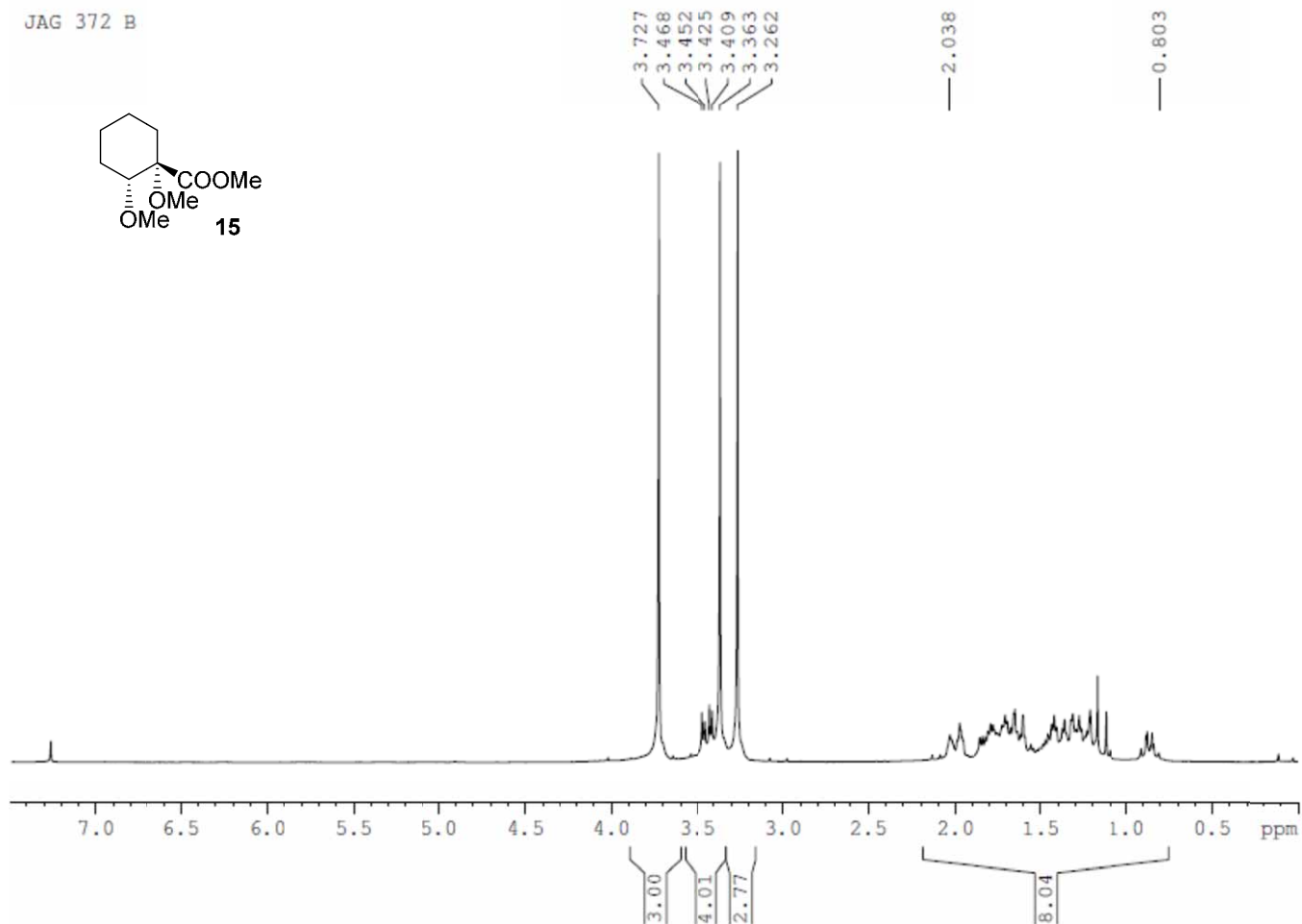
JAG 358A



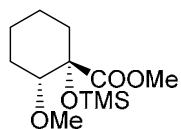
JAG 358A







JAG 372 A



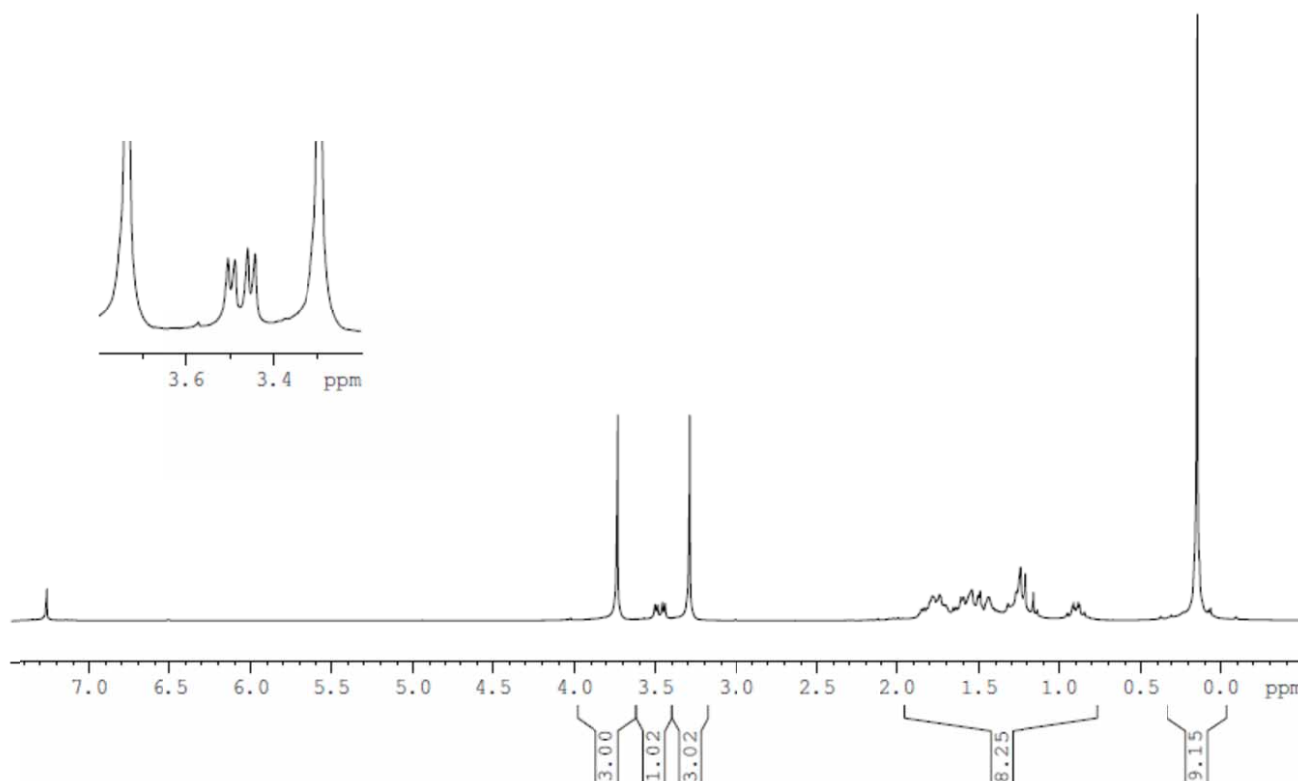
17

3.733
3.504
3.488
3.459
3.443
3.292

1.852

0.841

0.149



175.67

JAG 372 A Carbon

82.24

76.17
75.75

56.77

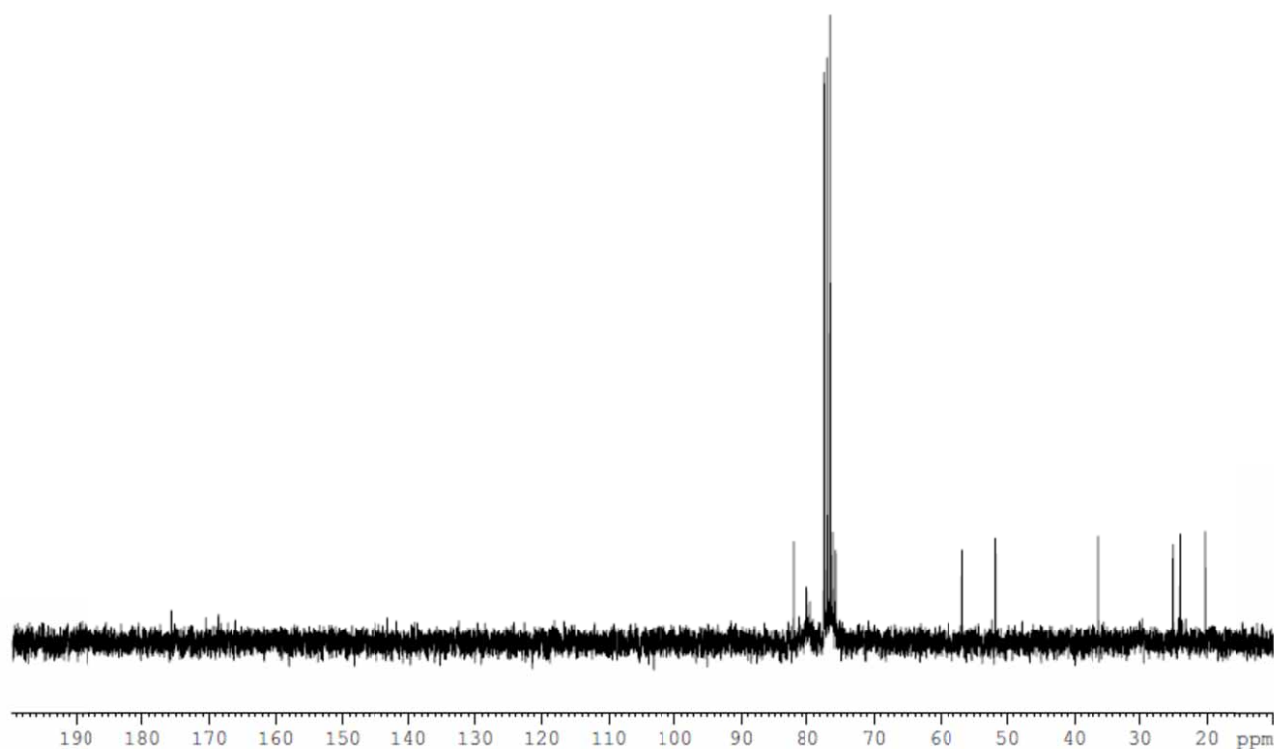
51.80

36.22

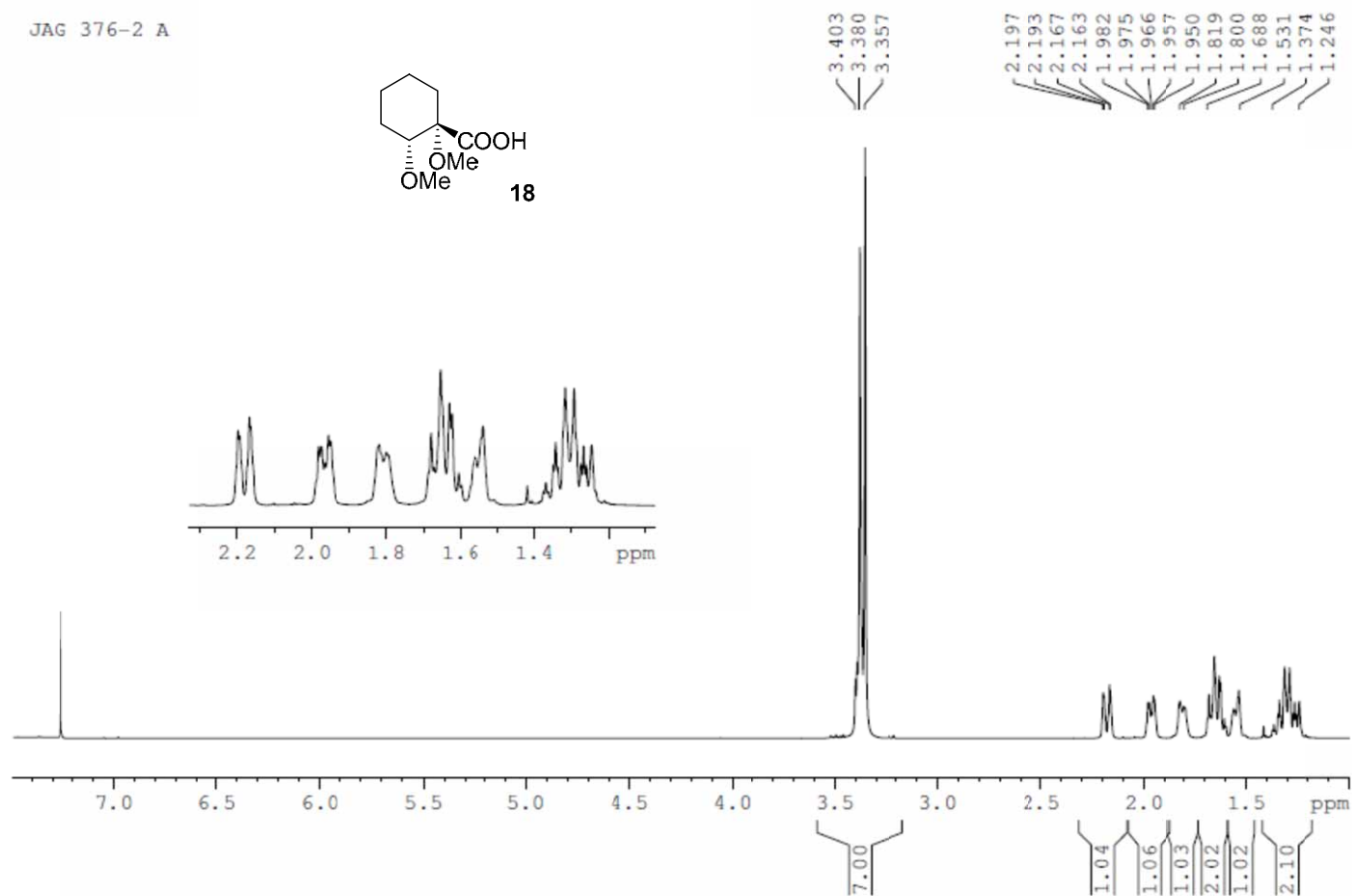
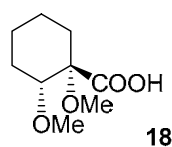
25.08

24.00

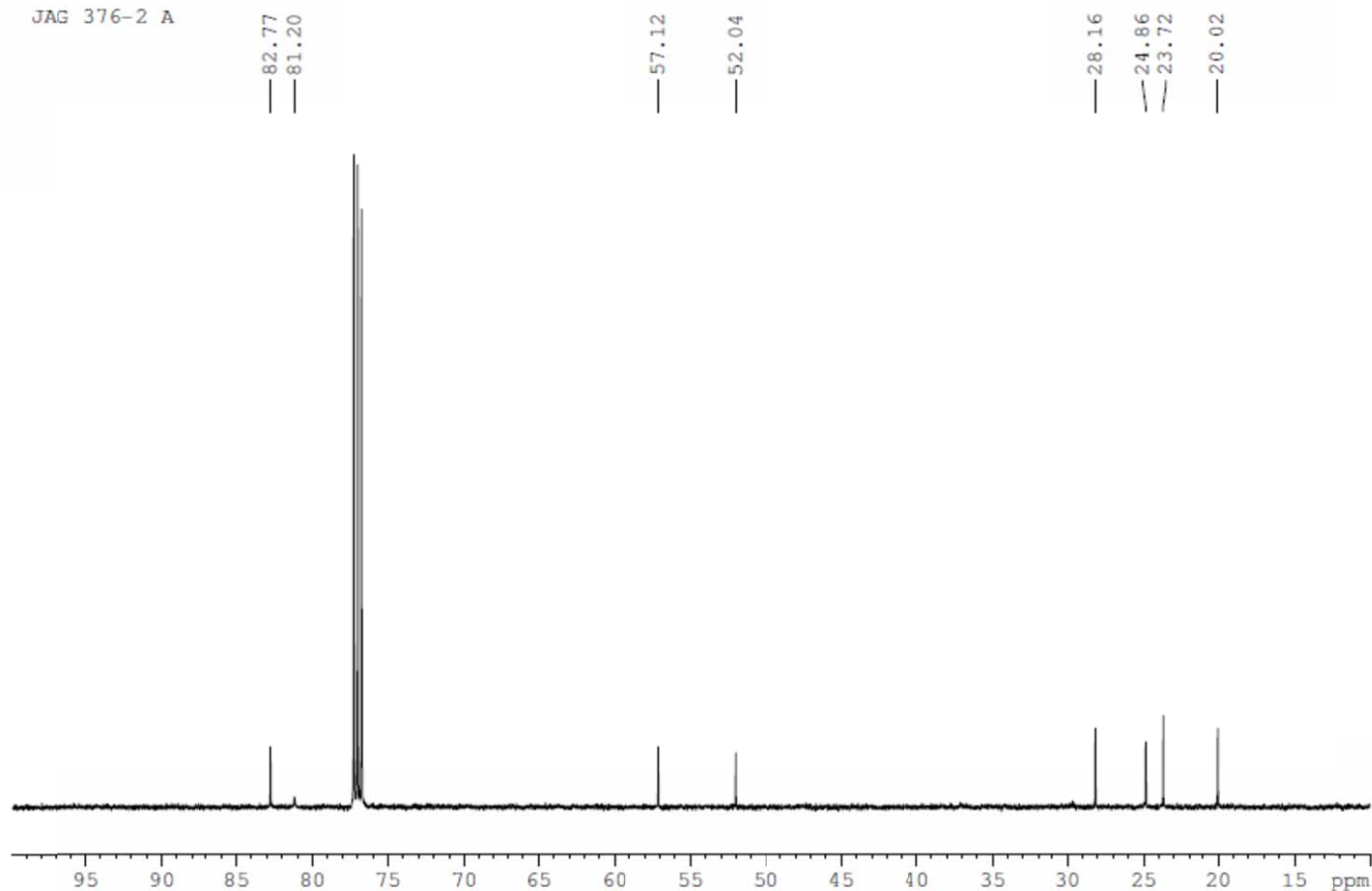
20.29

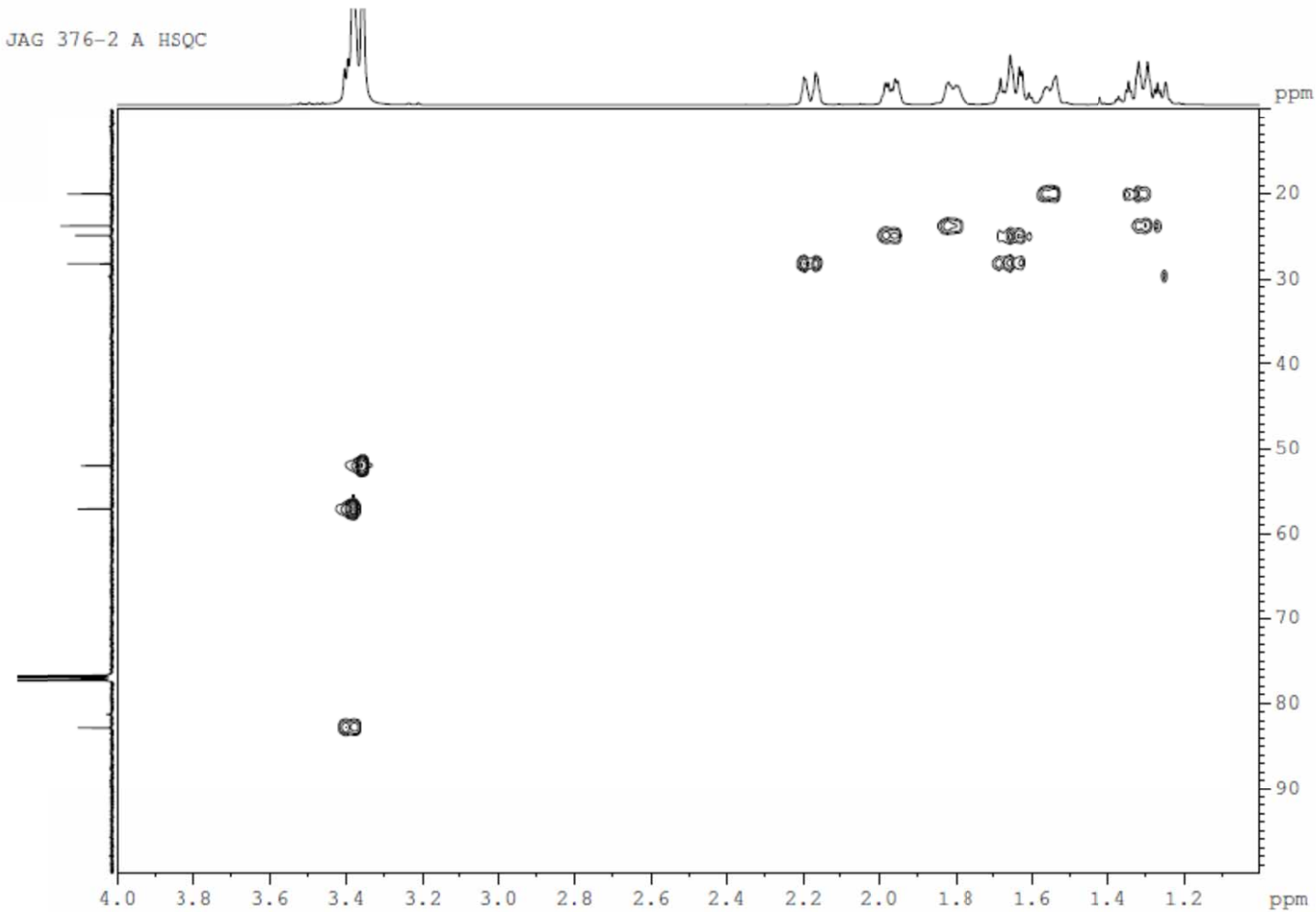
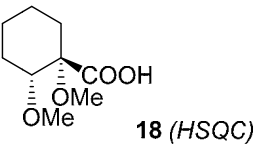


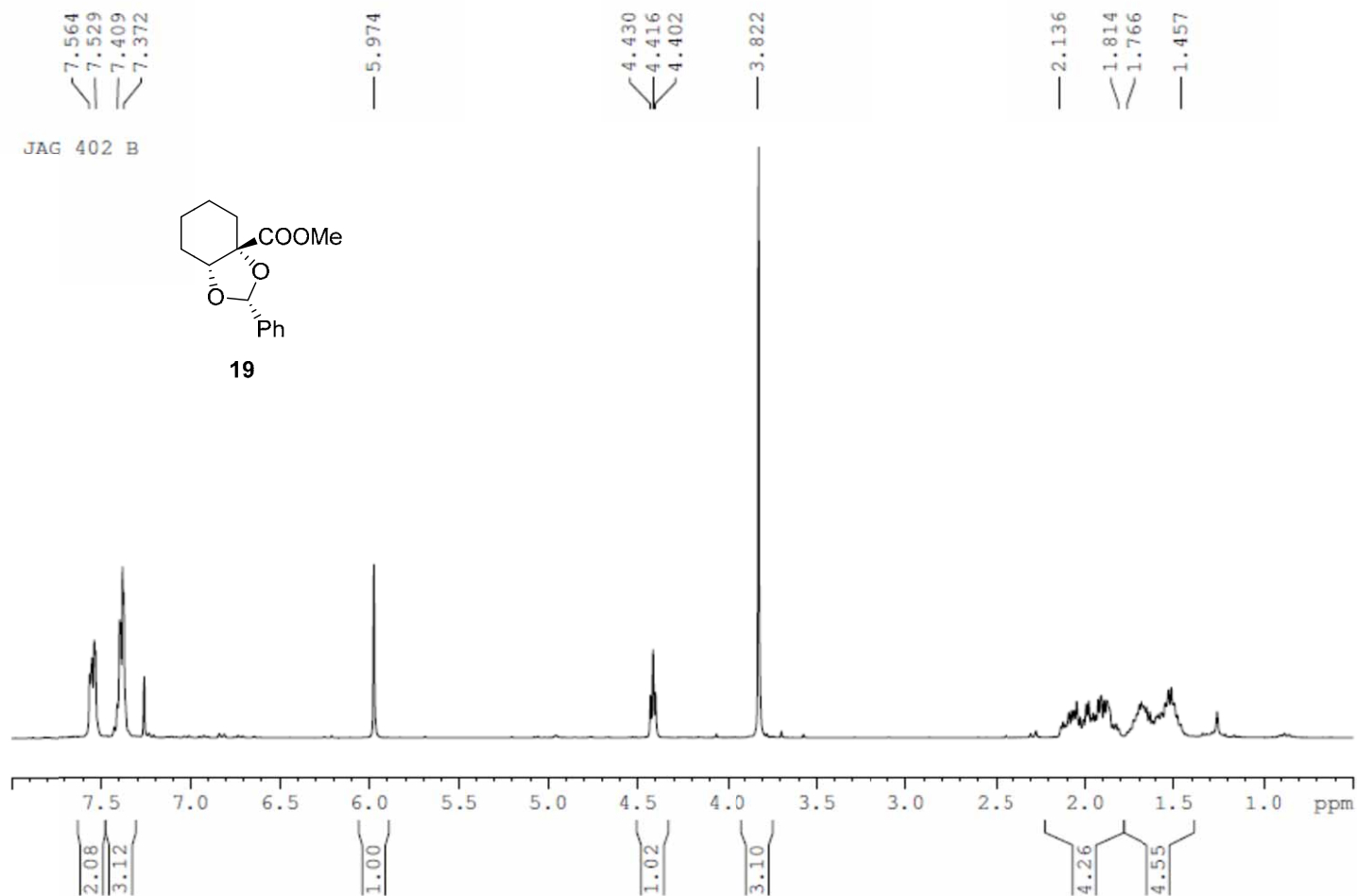
JAG 376-2 A



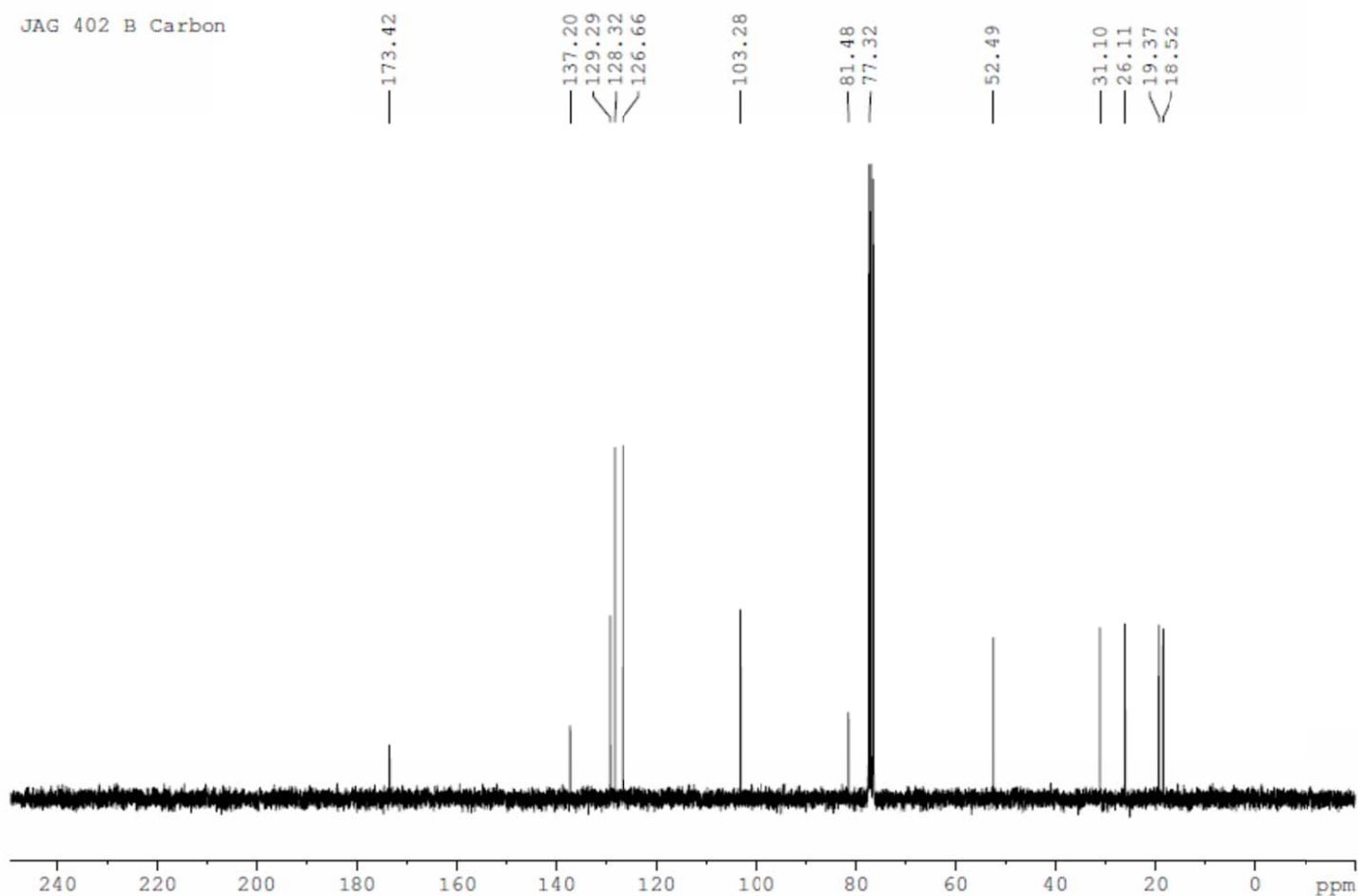
JAG 376-2 A



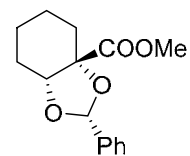




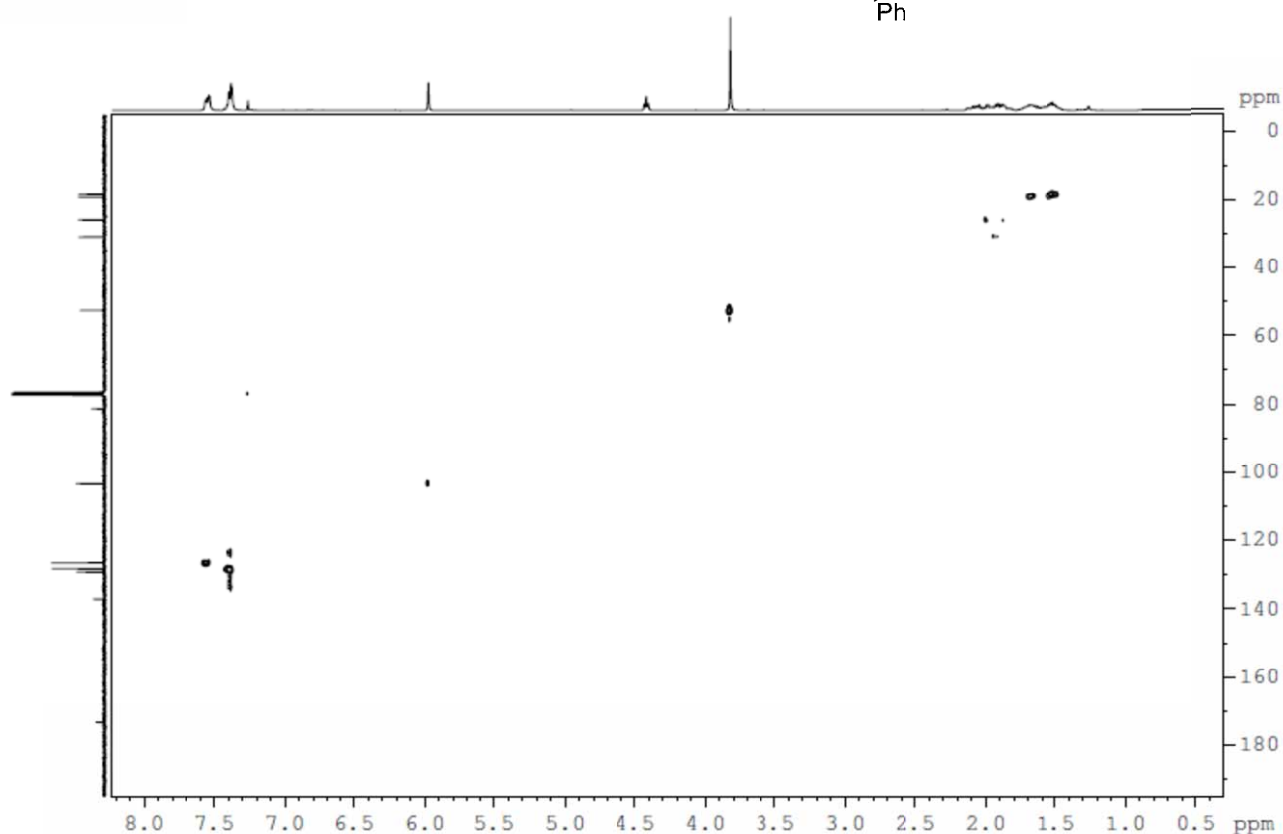
JAG 402 B Carbon



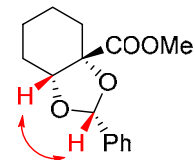
JAG 402 B HSQC



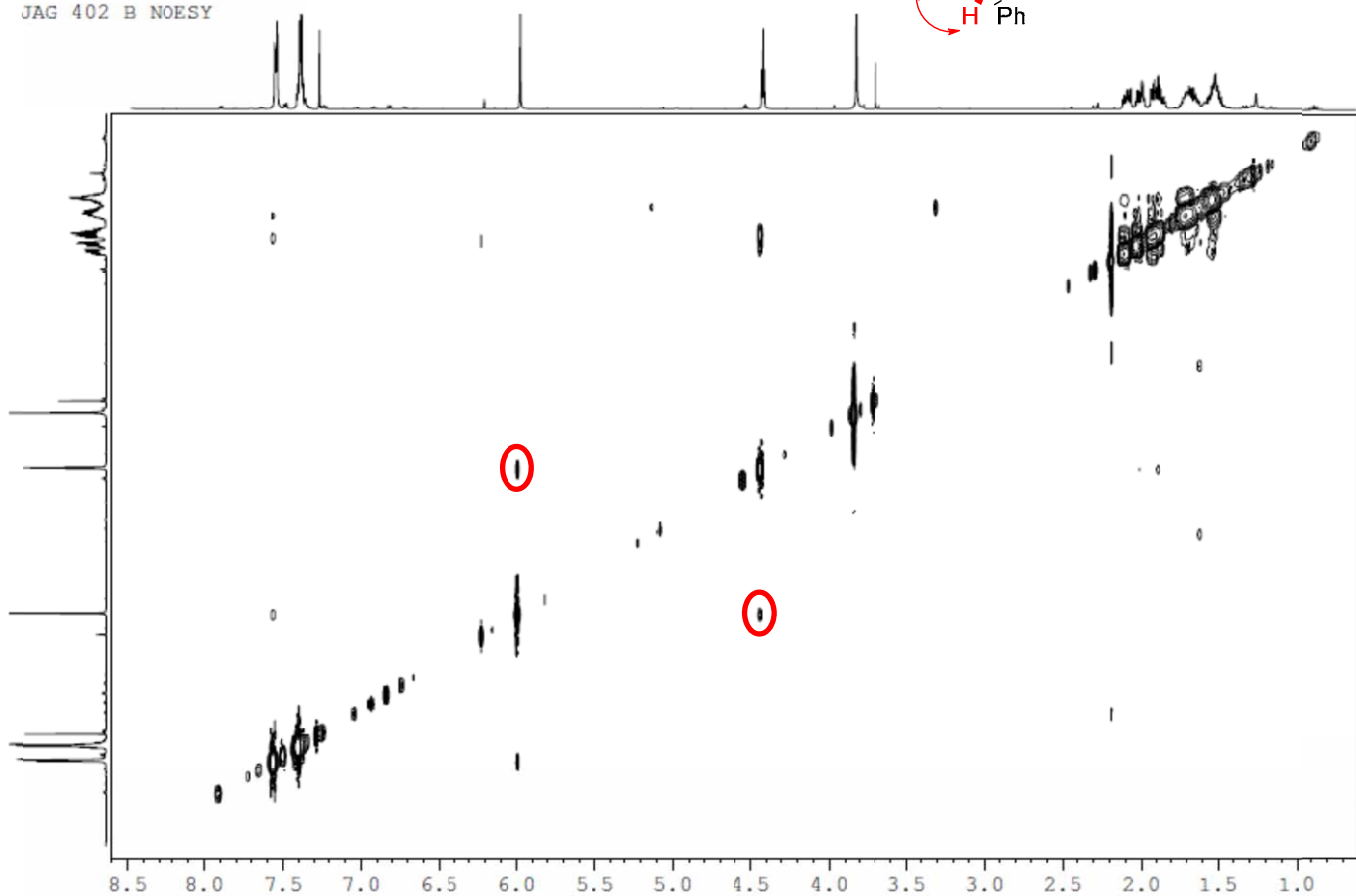
19 (HSQC)

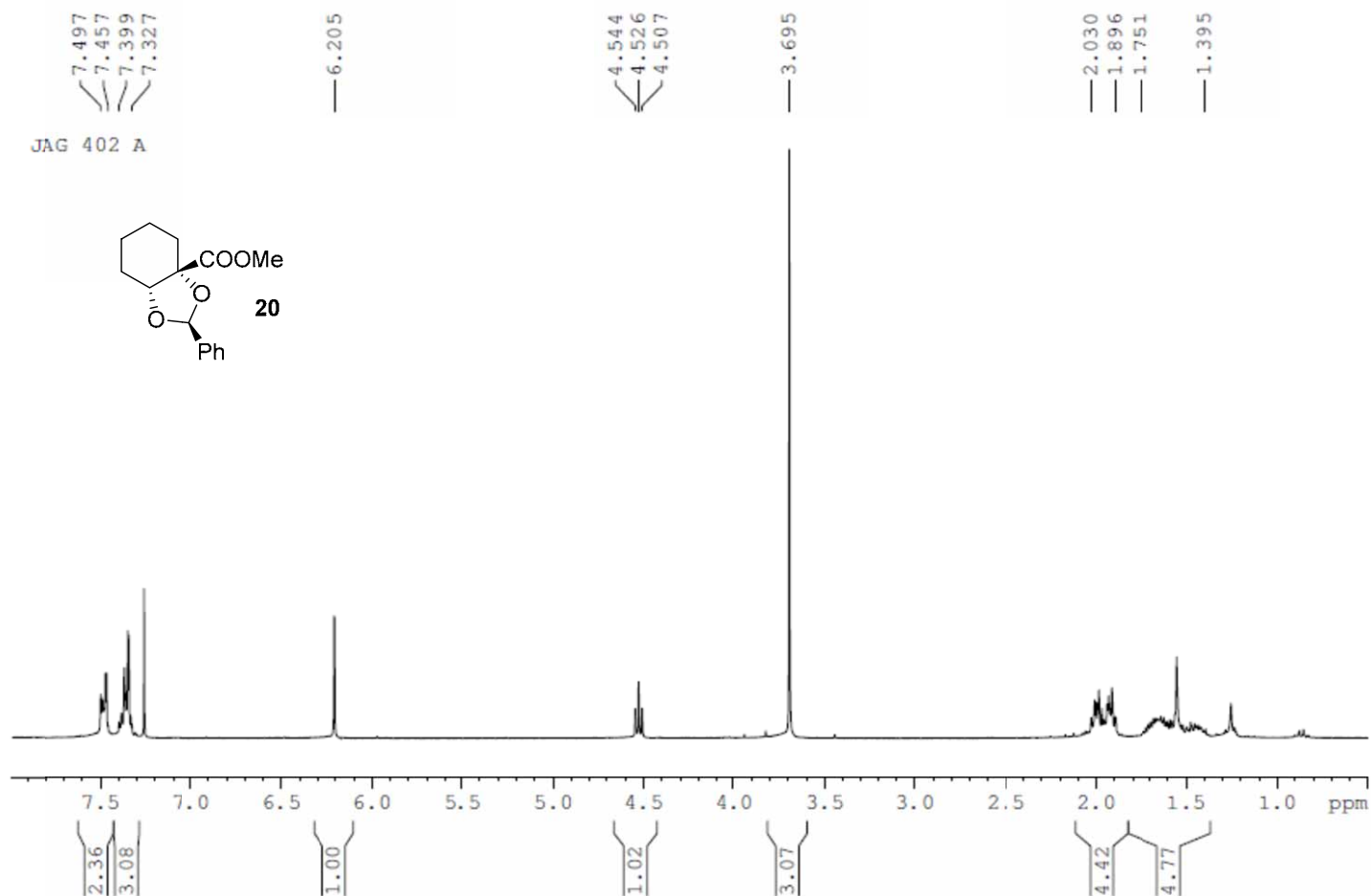


JAG 402 B NOESY

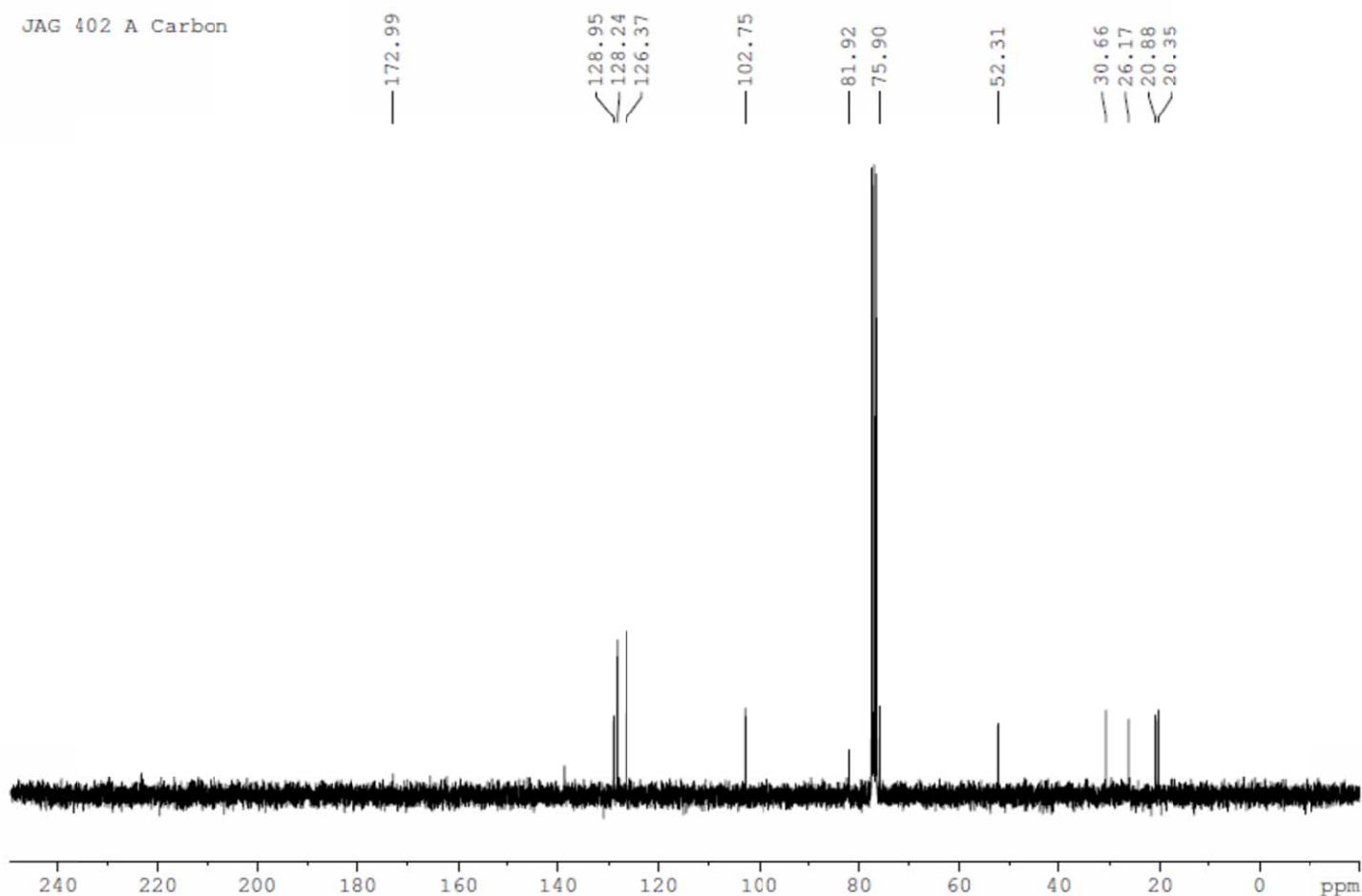


19 (NOESY)

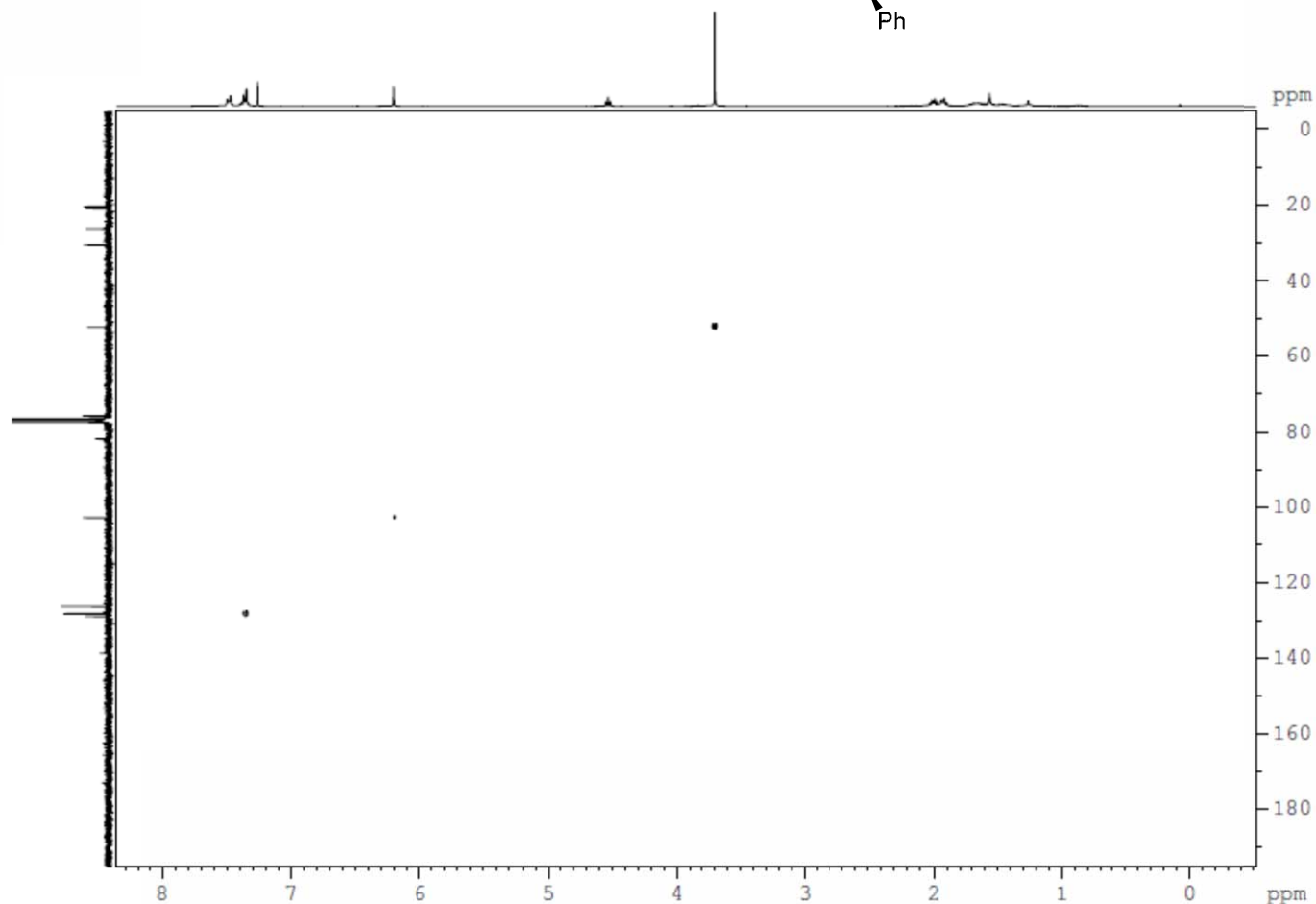
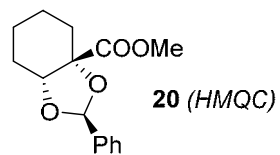




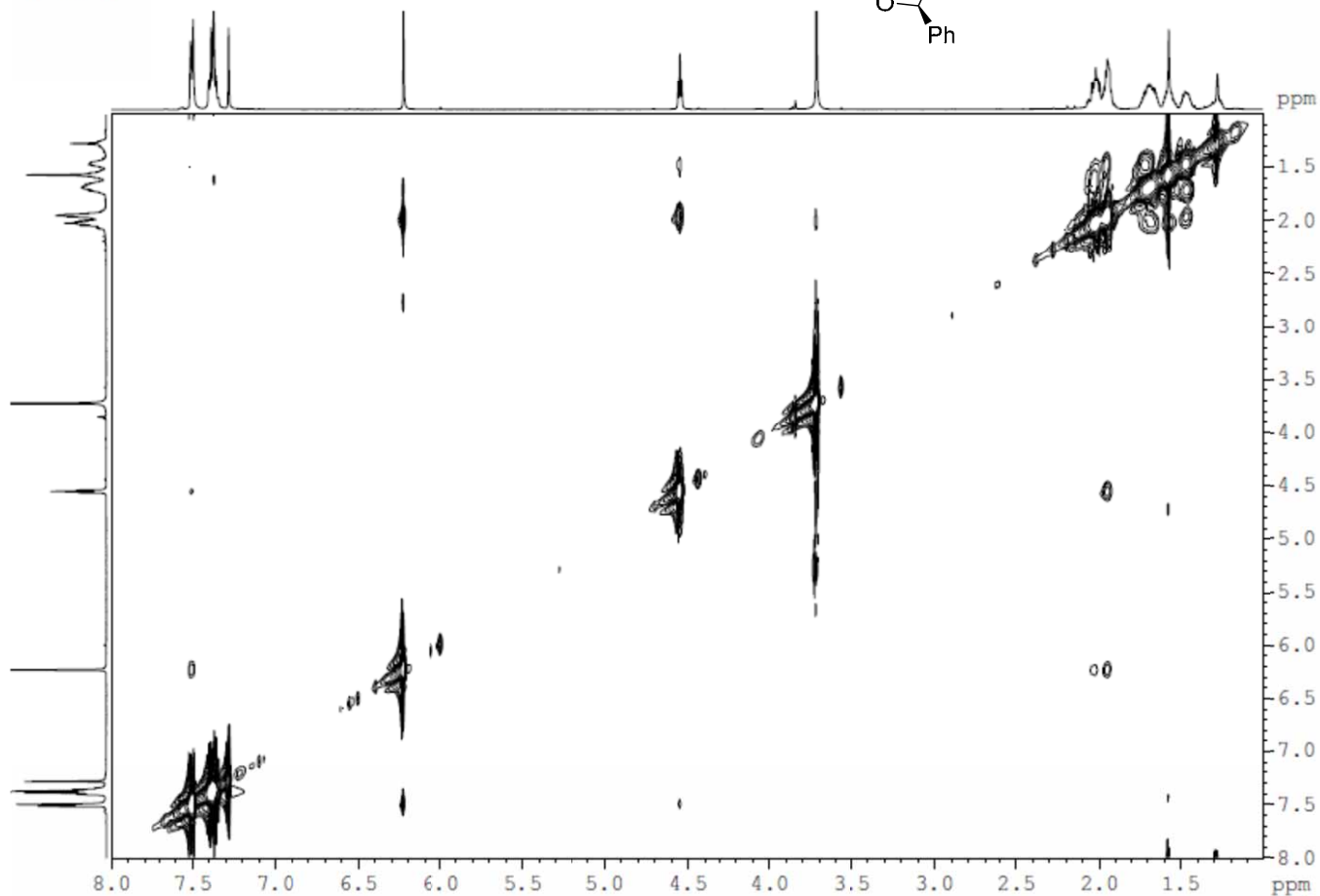
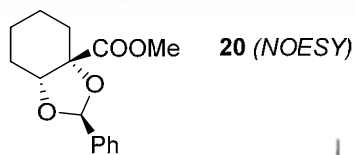
JAG 402 A Carbon



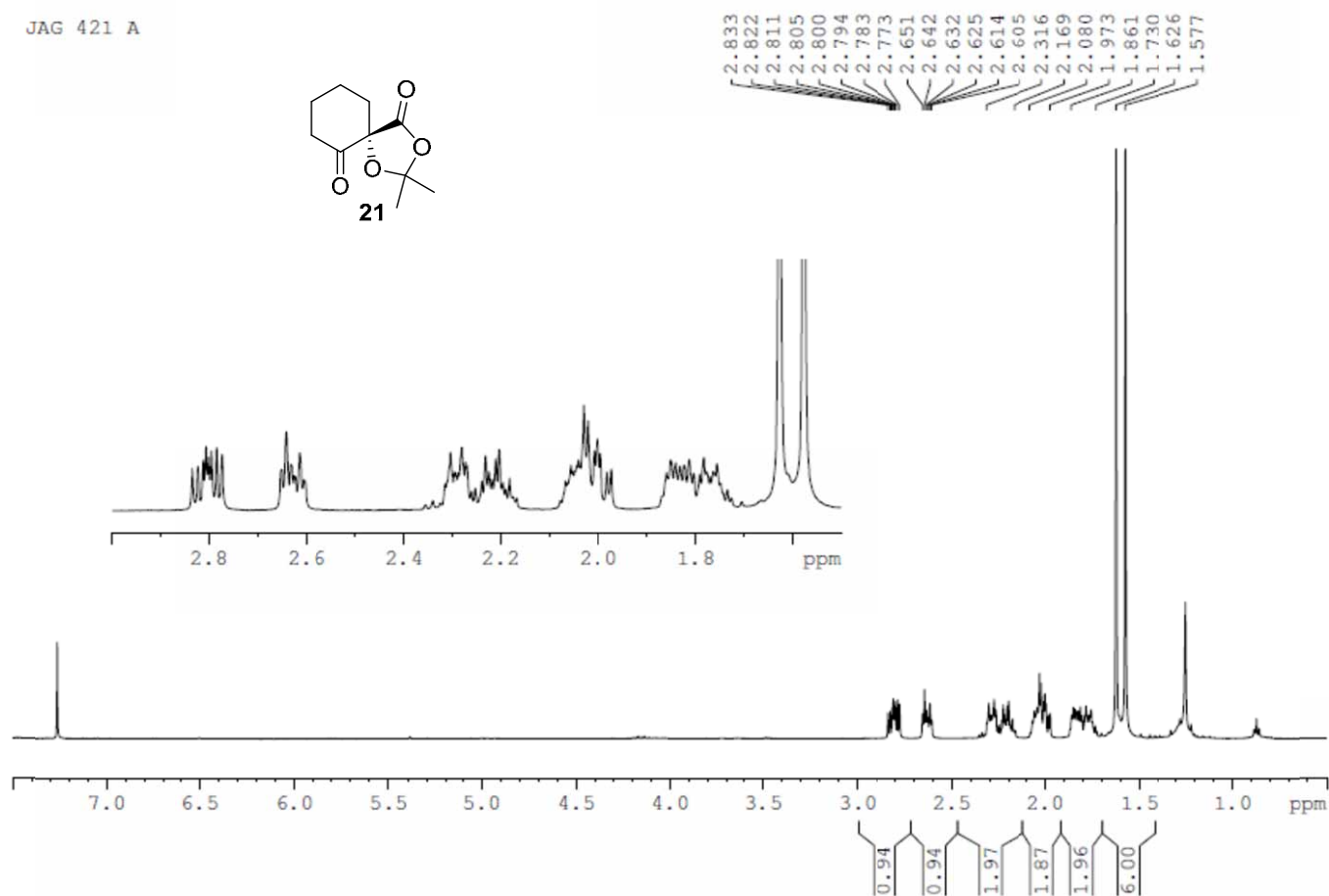
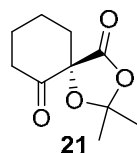
JAG 402 A HMQC



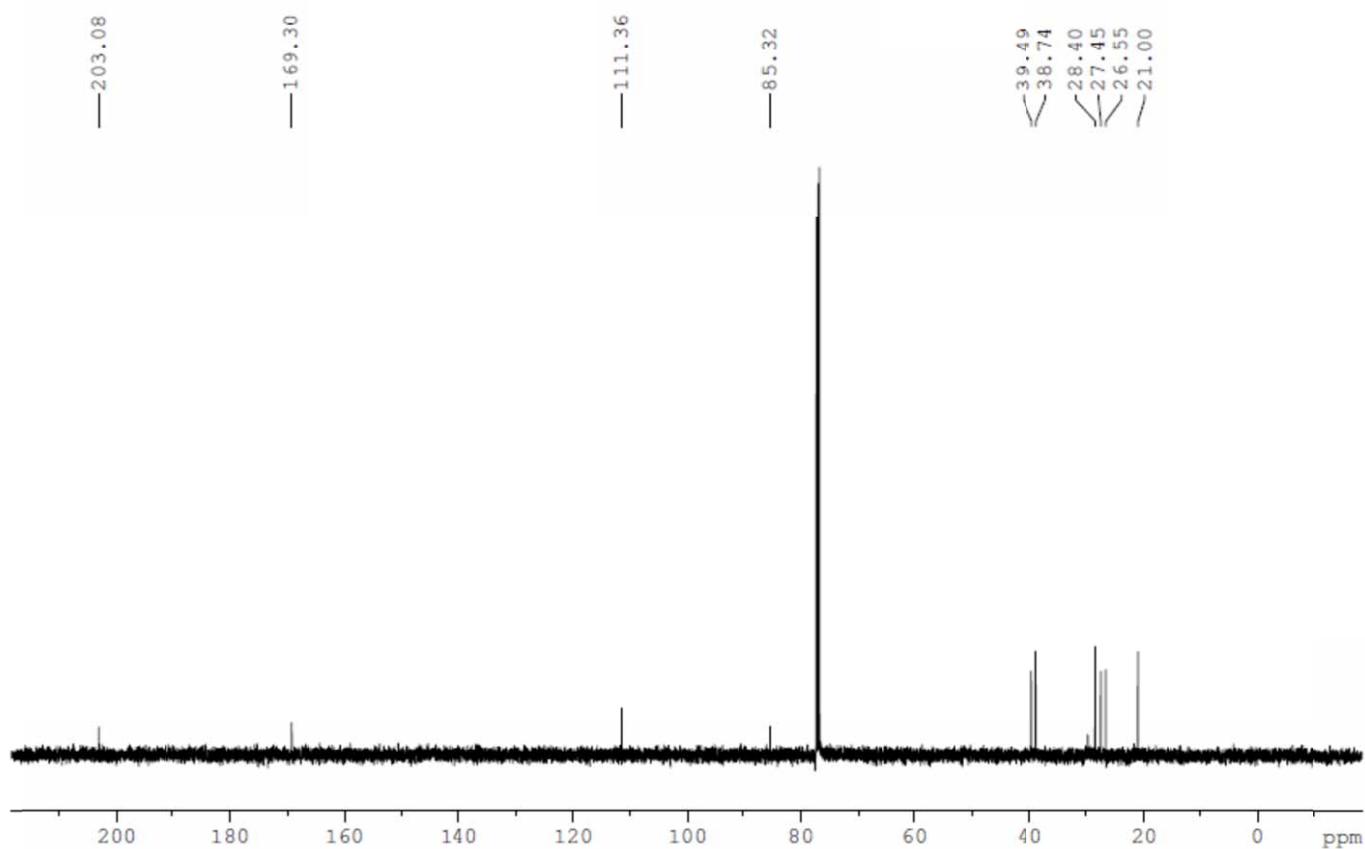
JAG 402 A

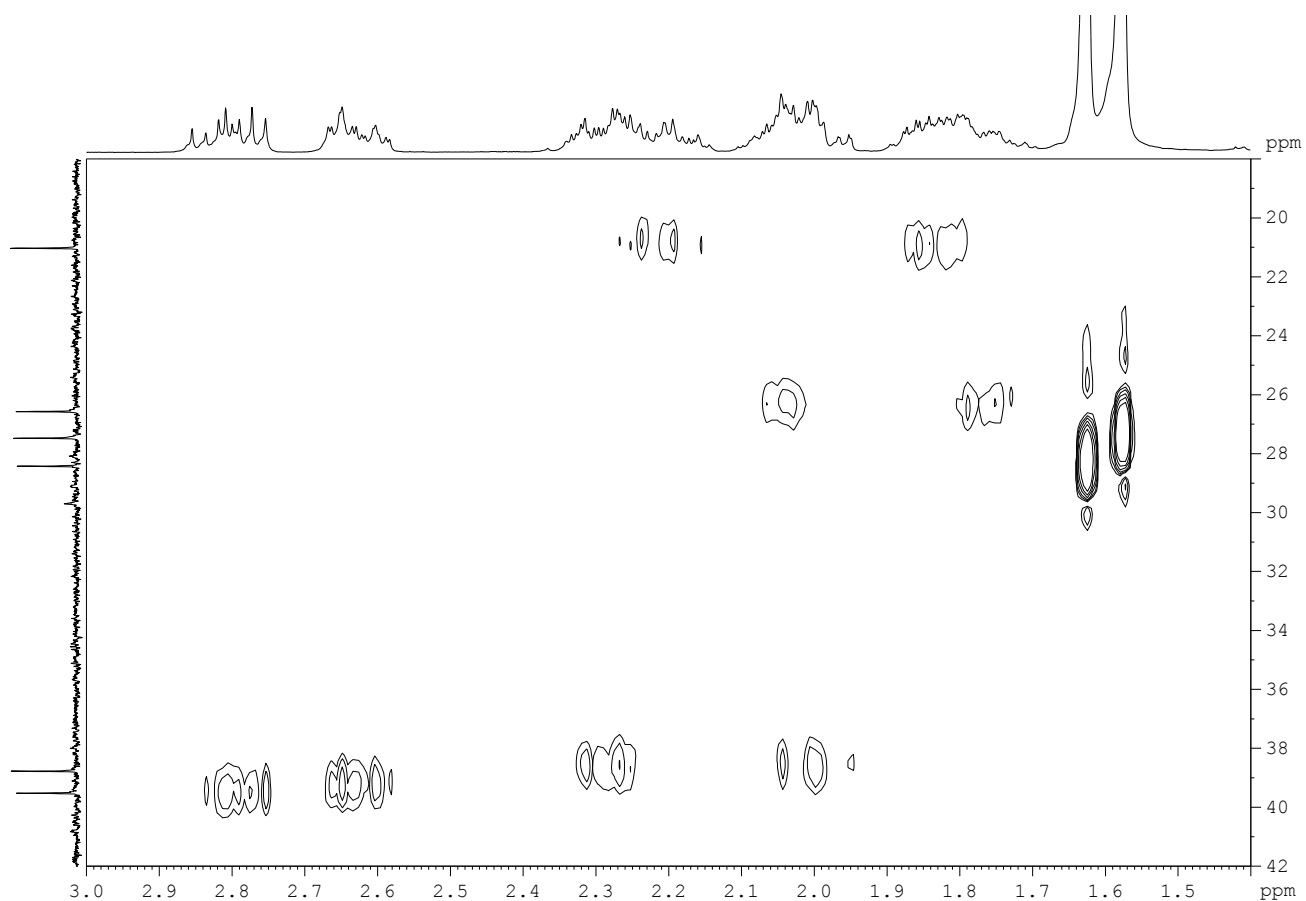
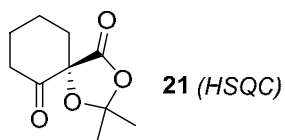


JAG 421 A

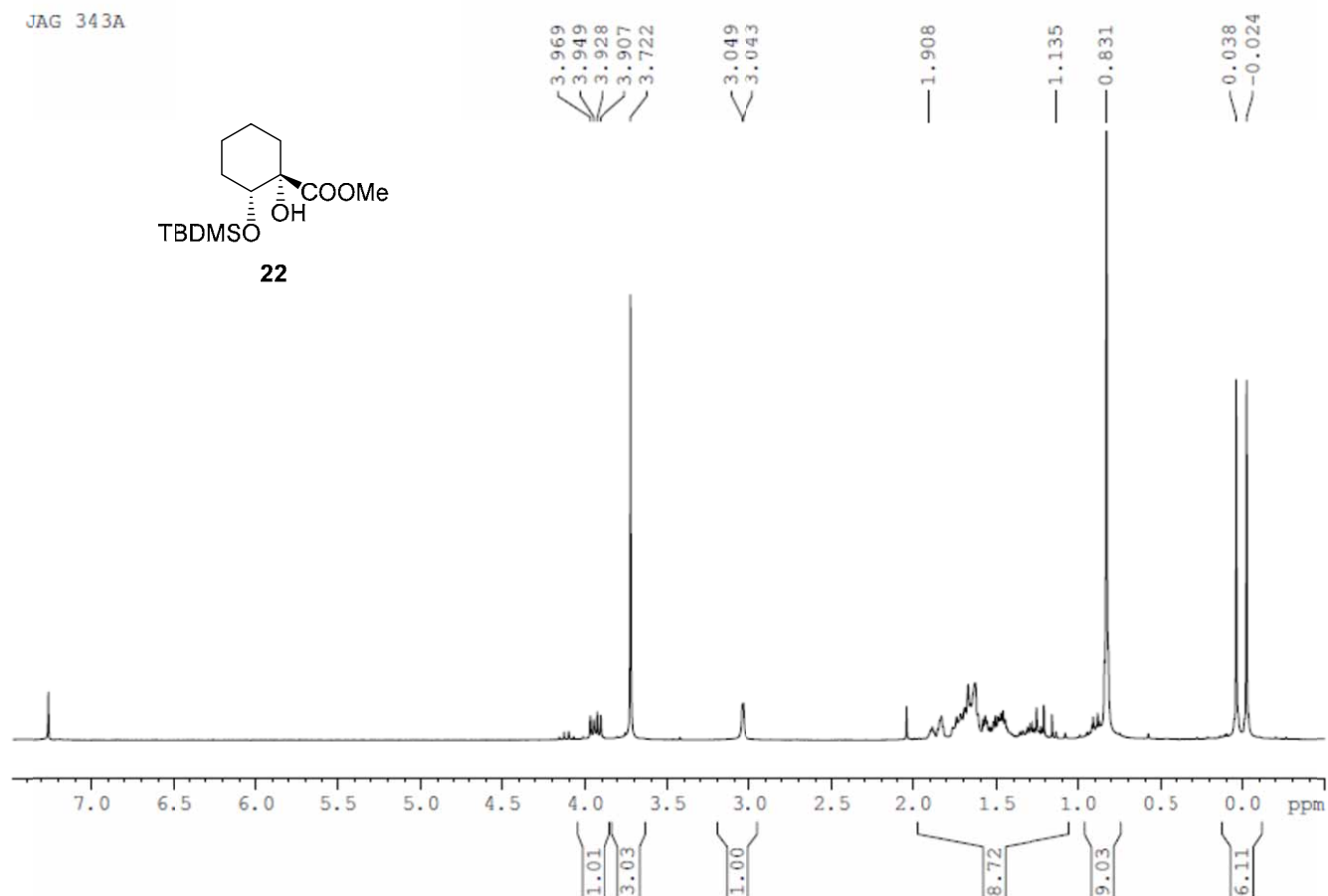
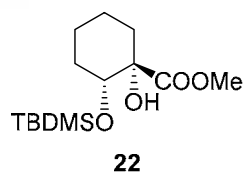


JAG 421 A Carbon

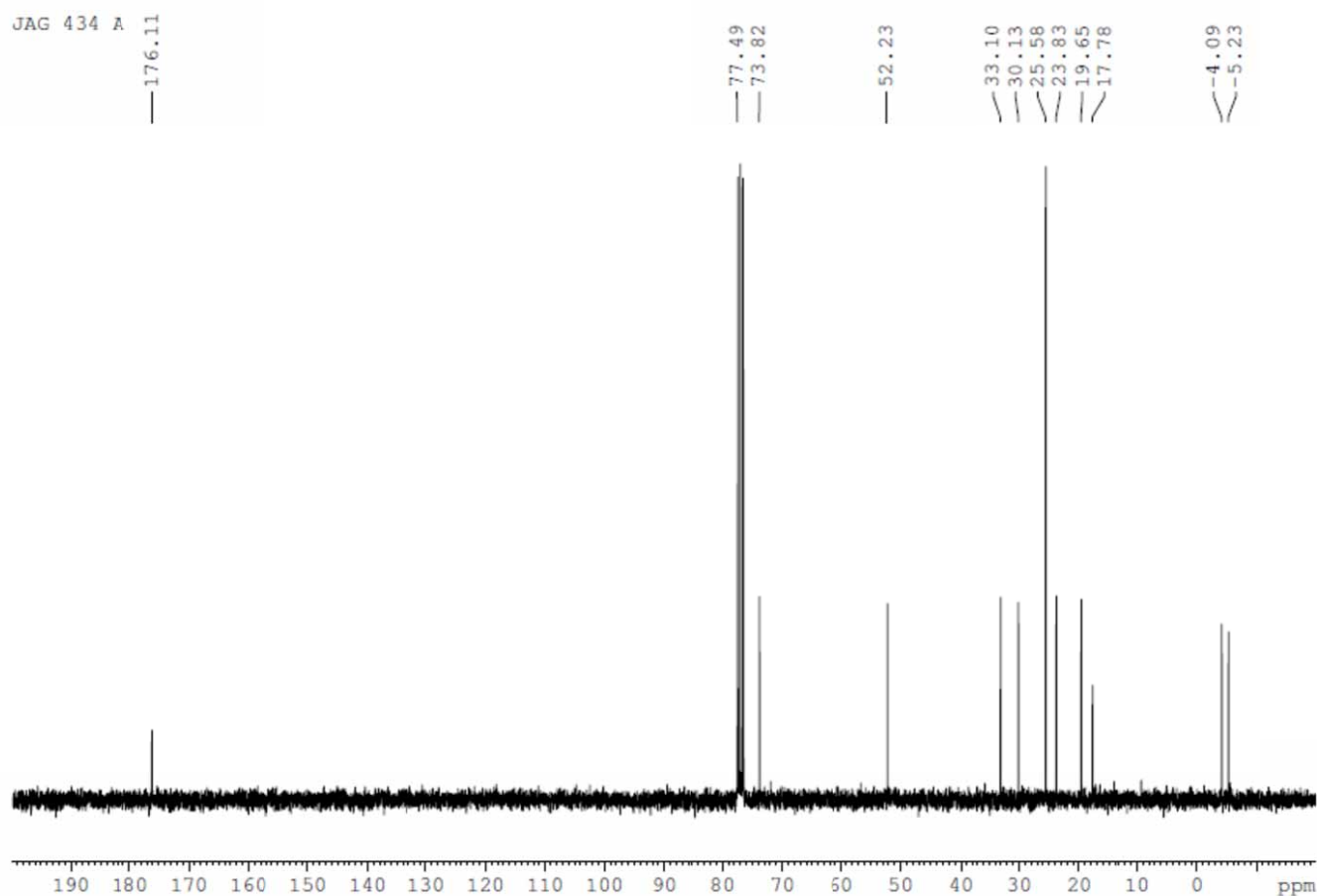


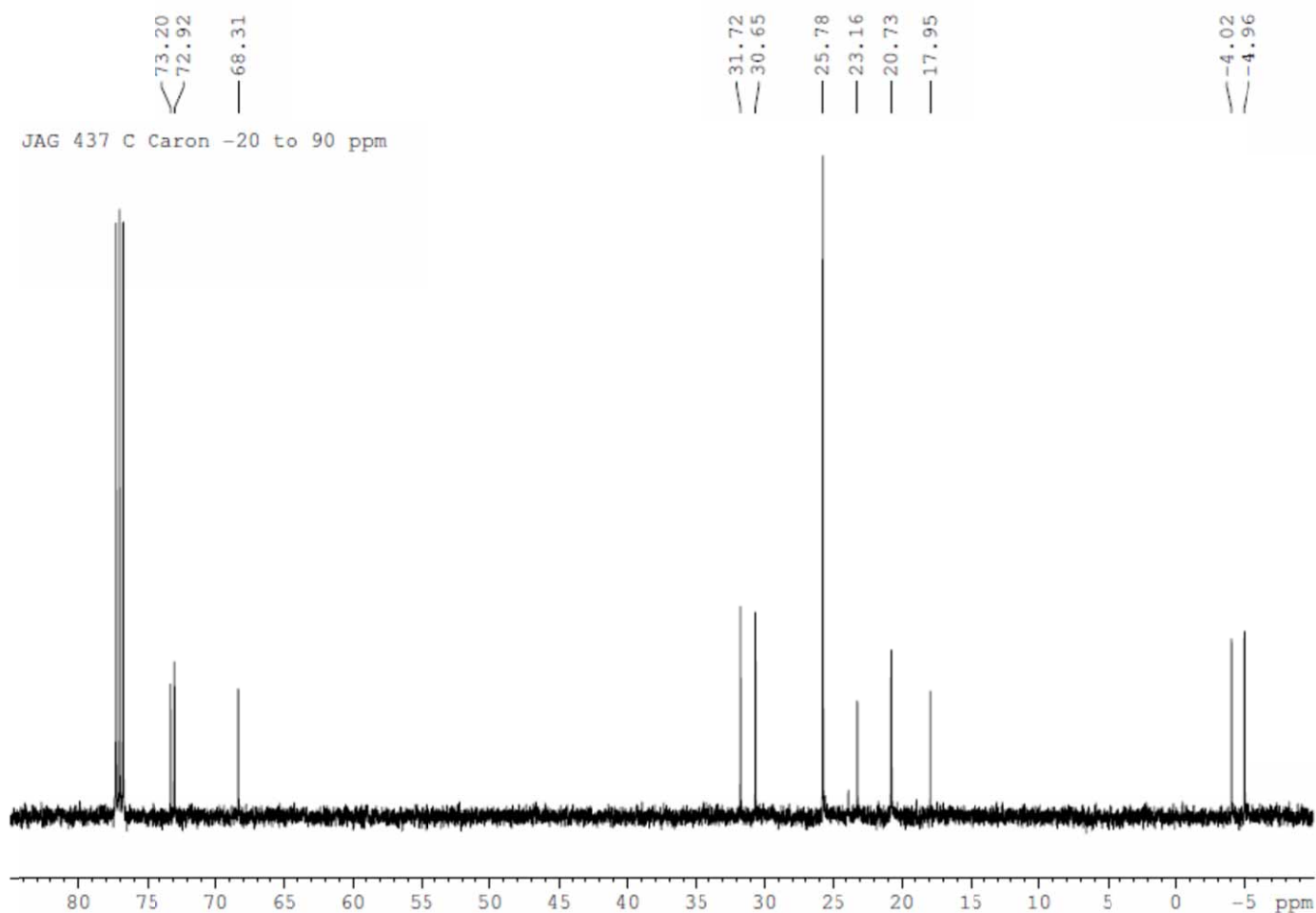
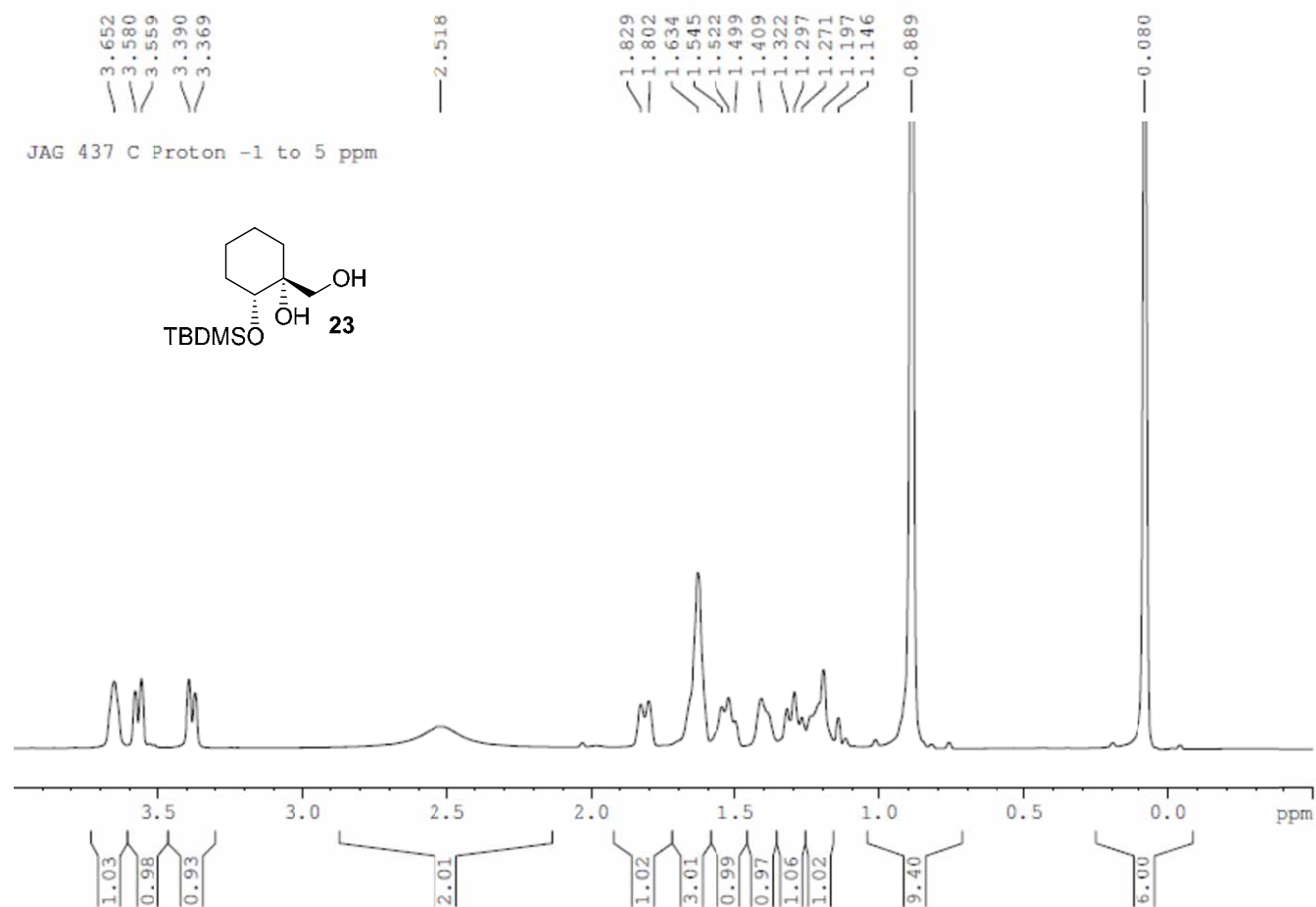


JAG 343A

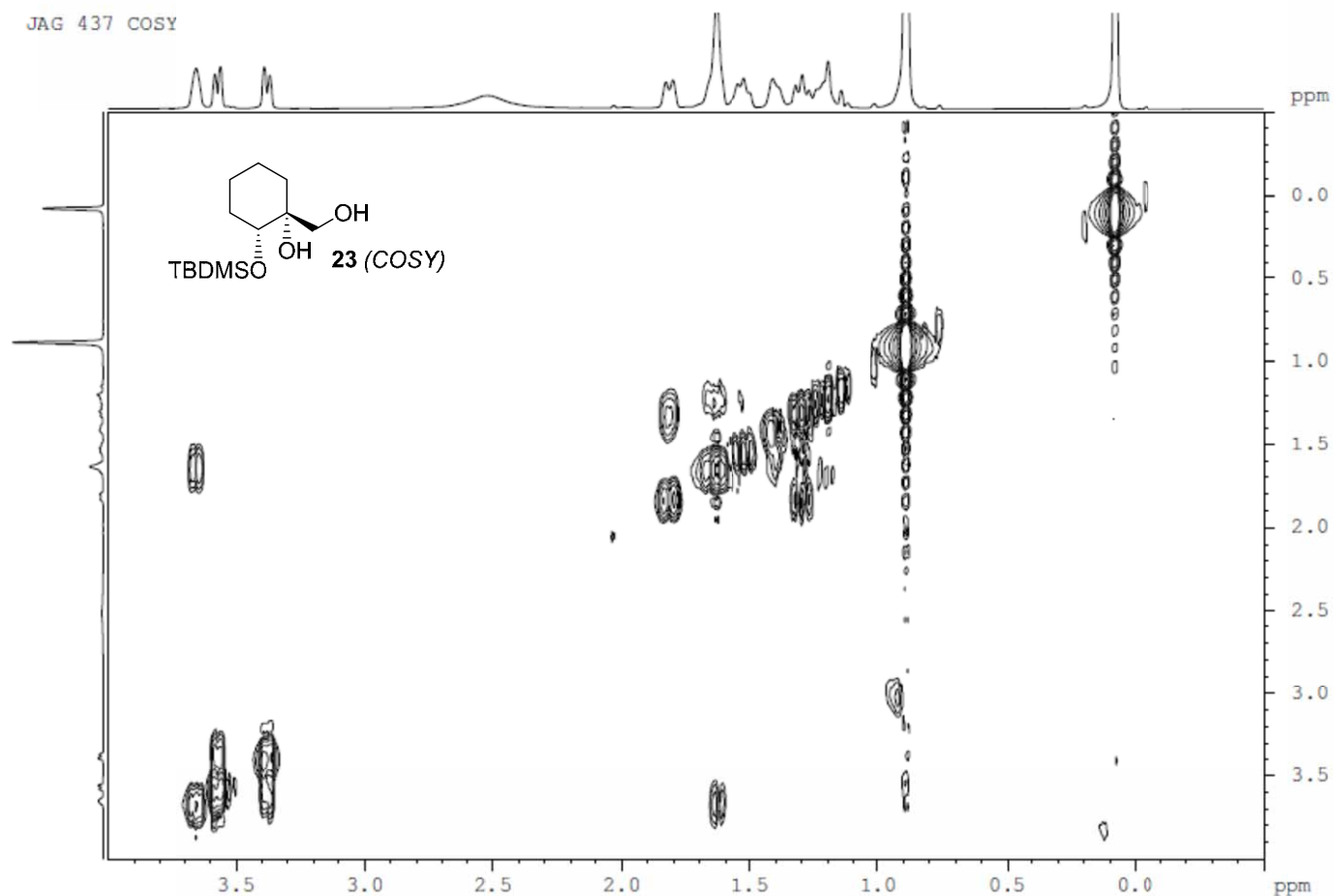


JAG 434 A

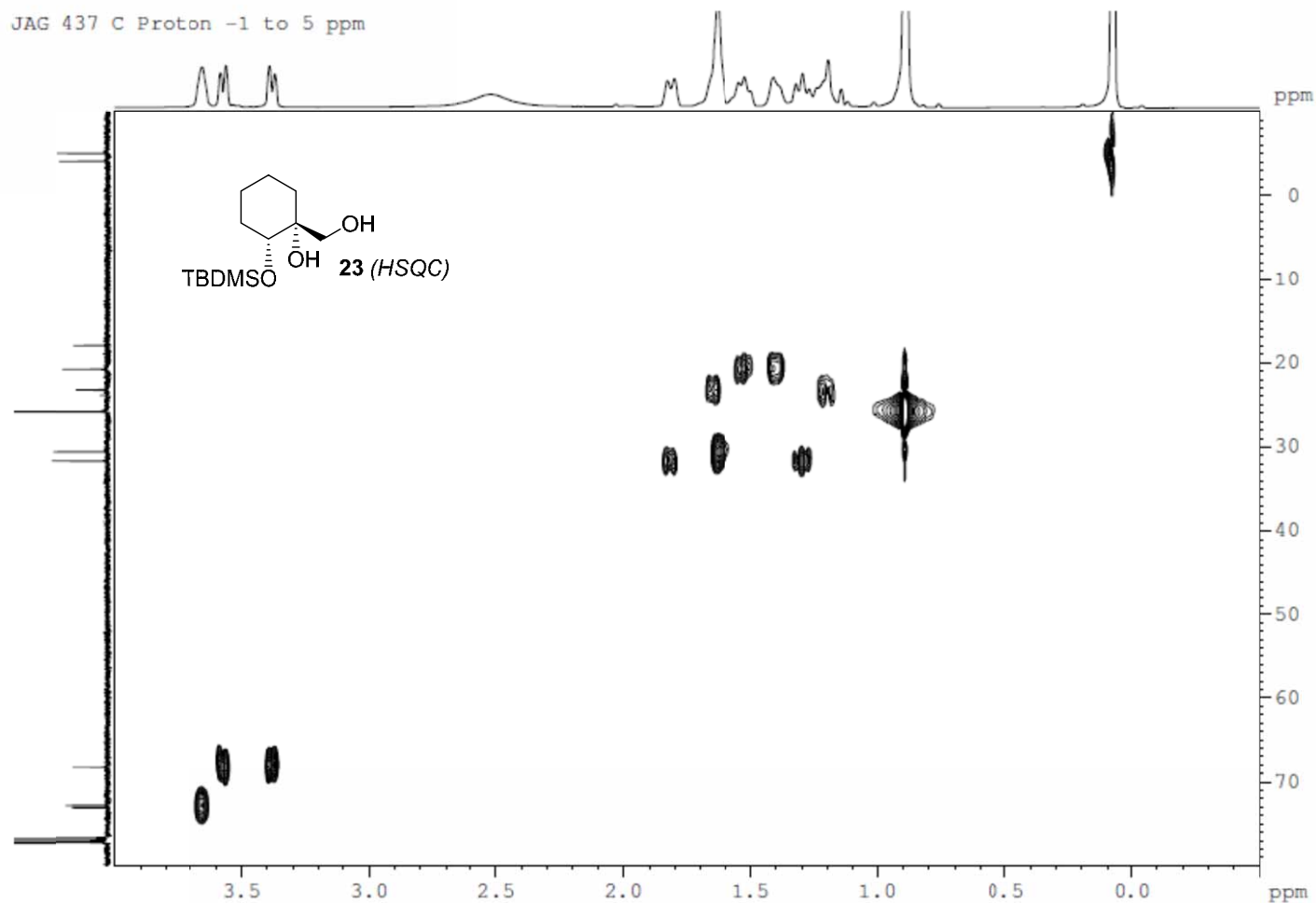


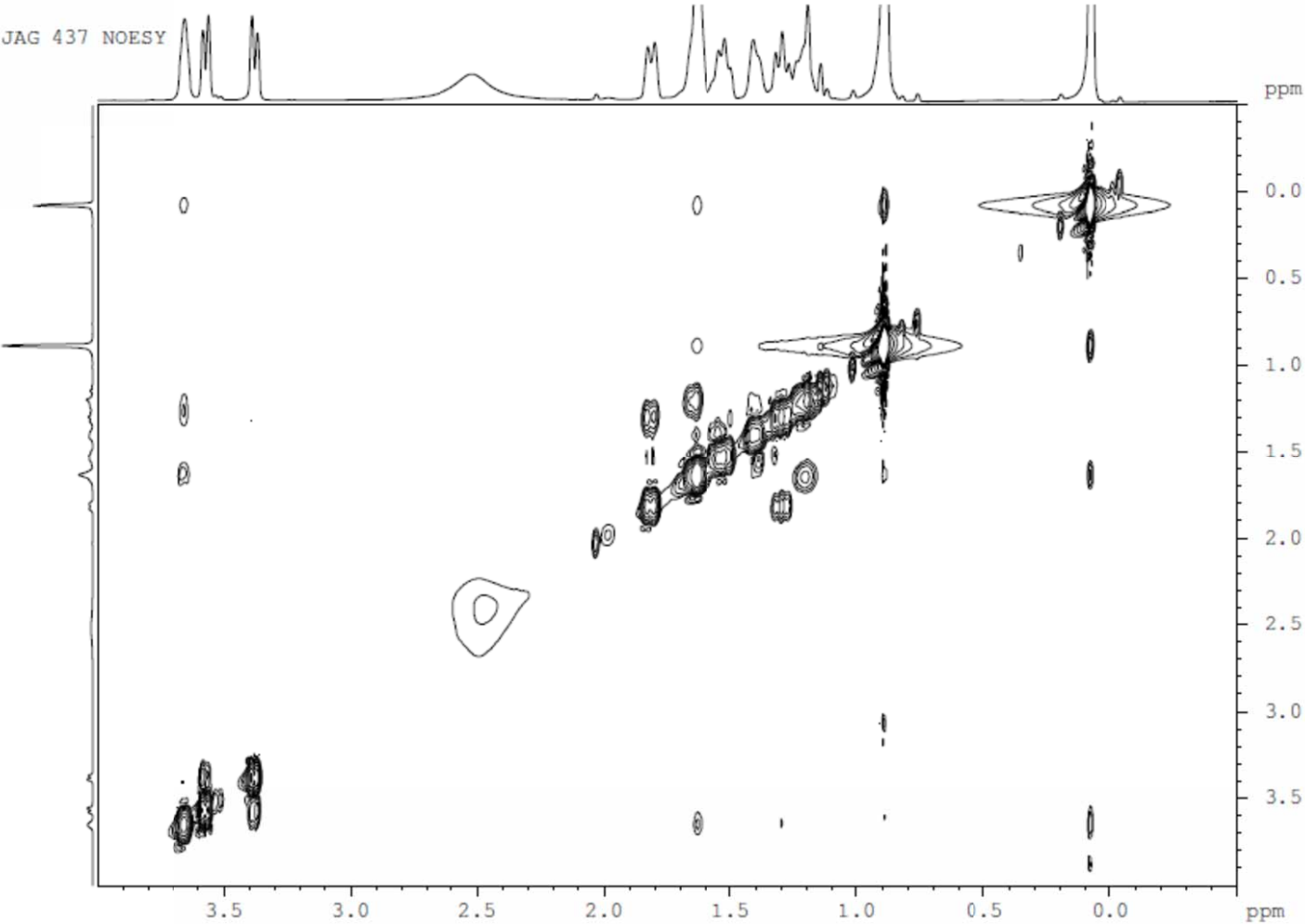
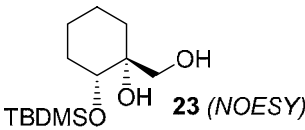


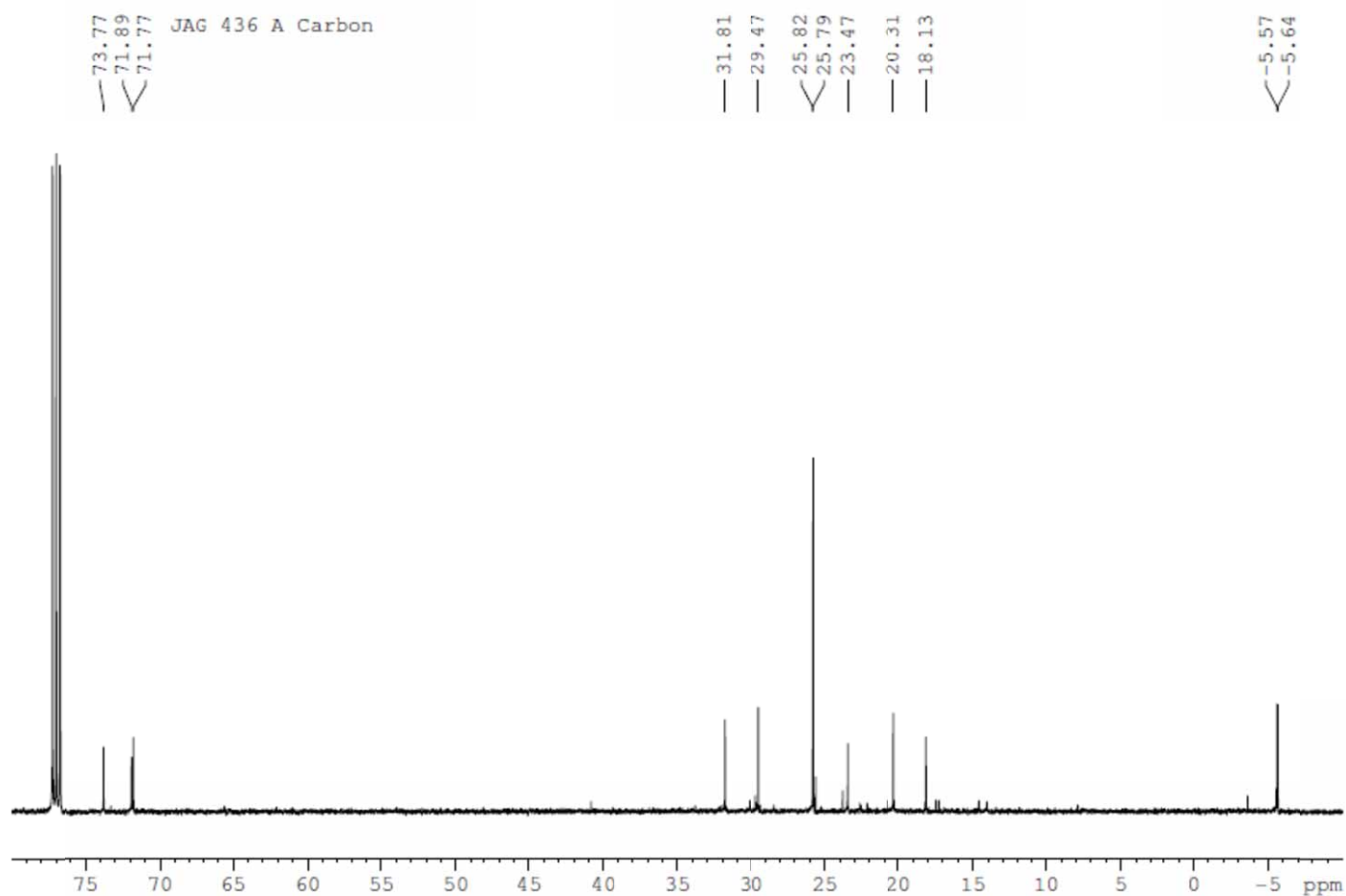
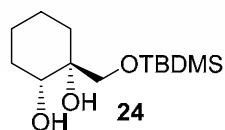
JAG 437 COSY



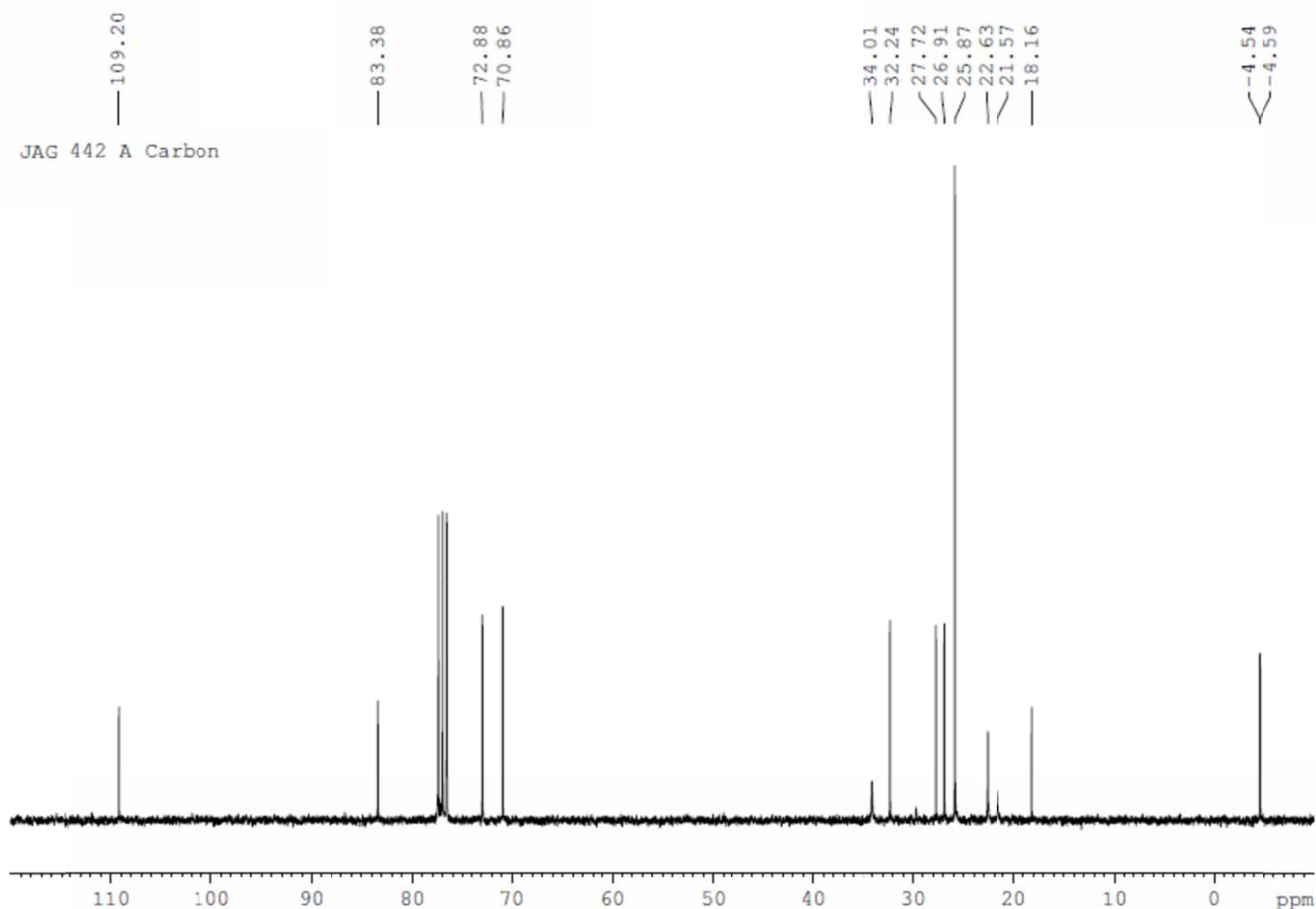
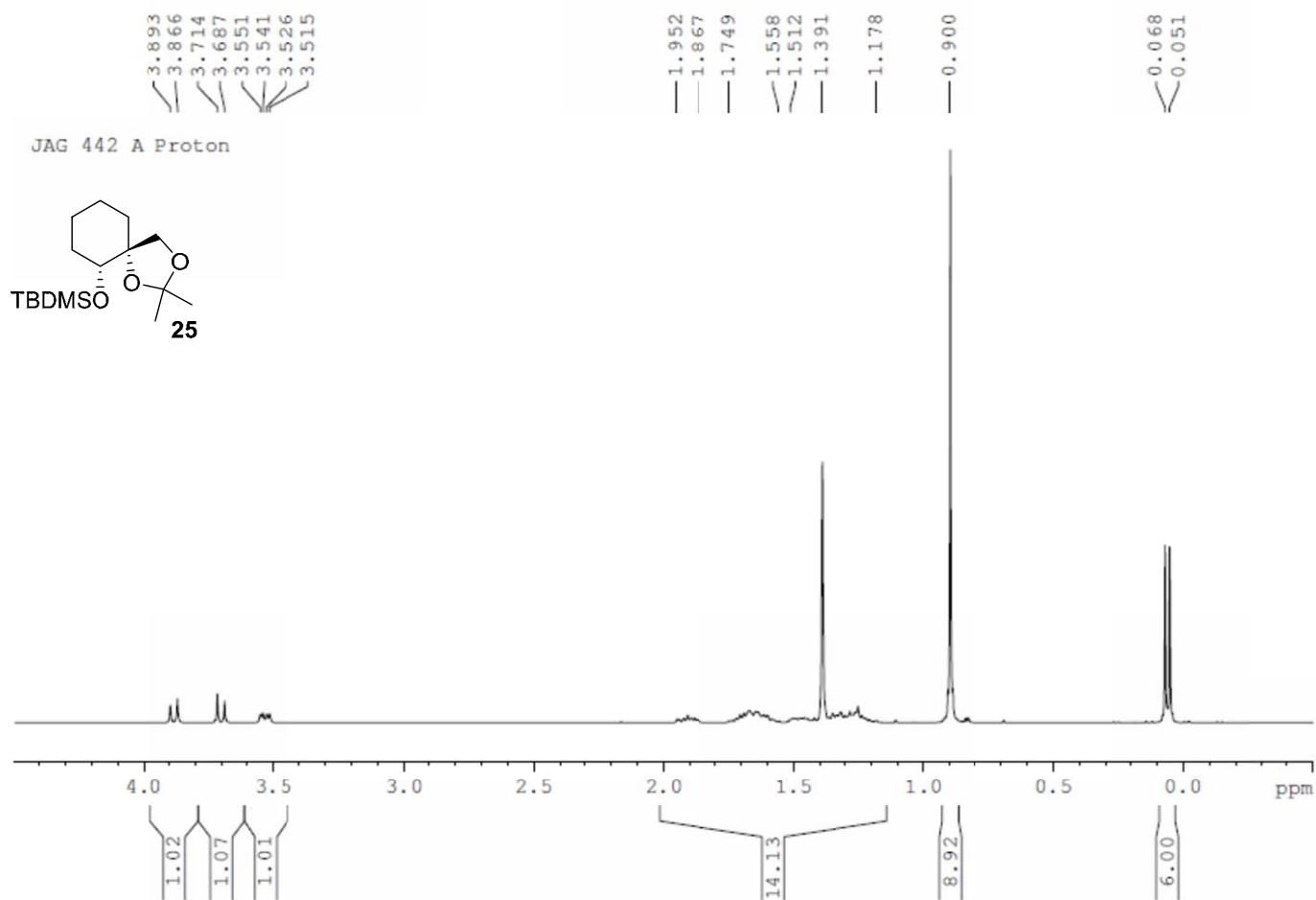
JAG 437 C Proton -1 to 5 ppm

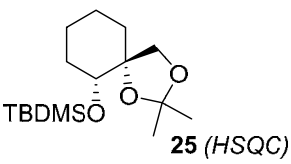




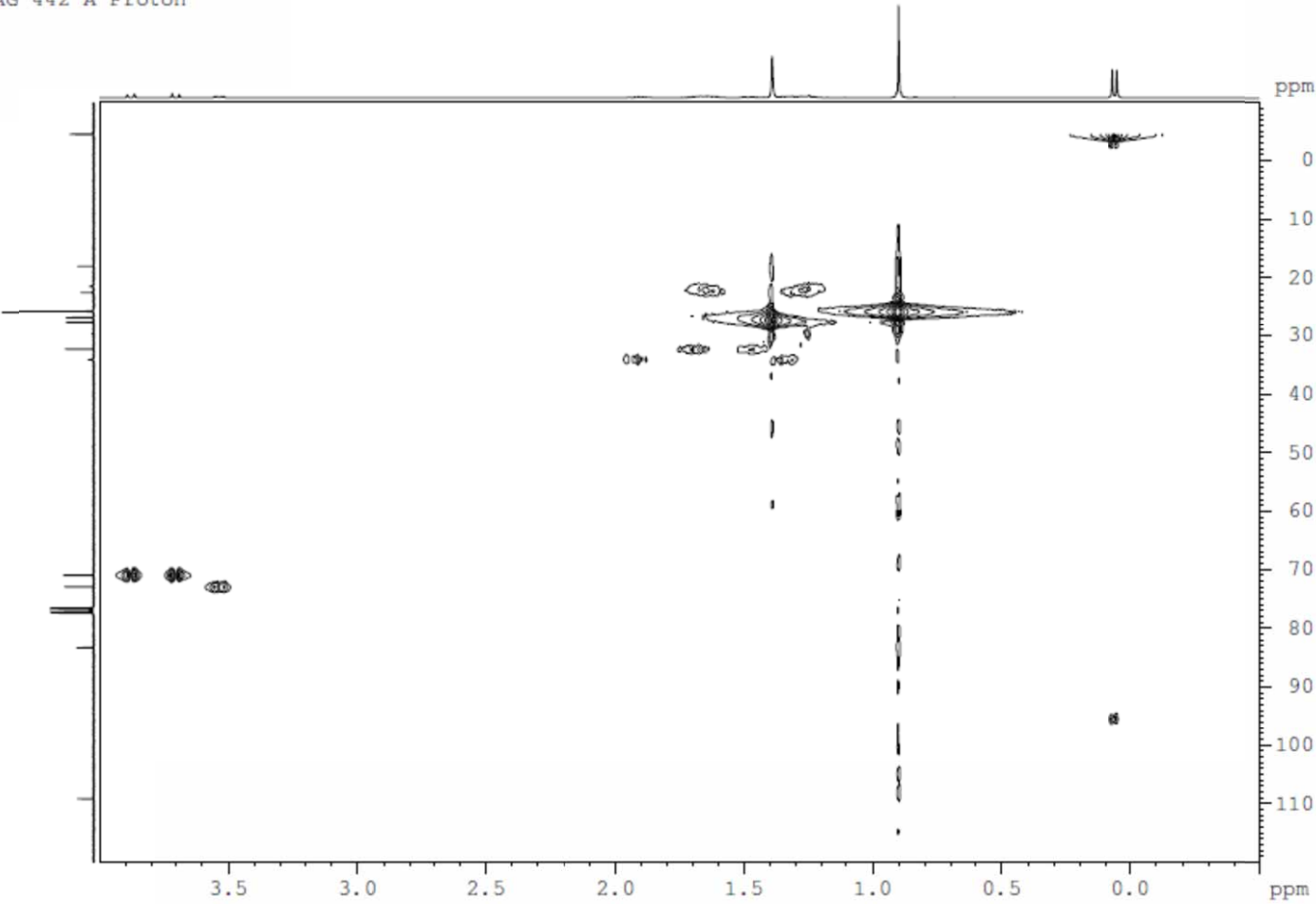


PF

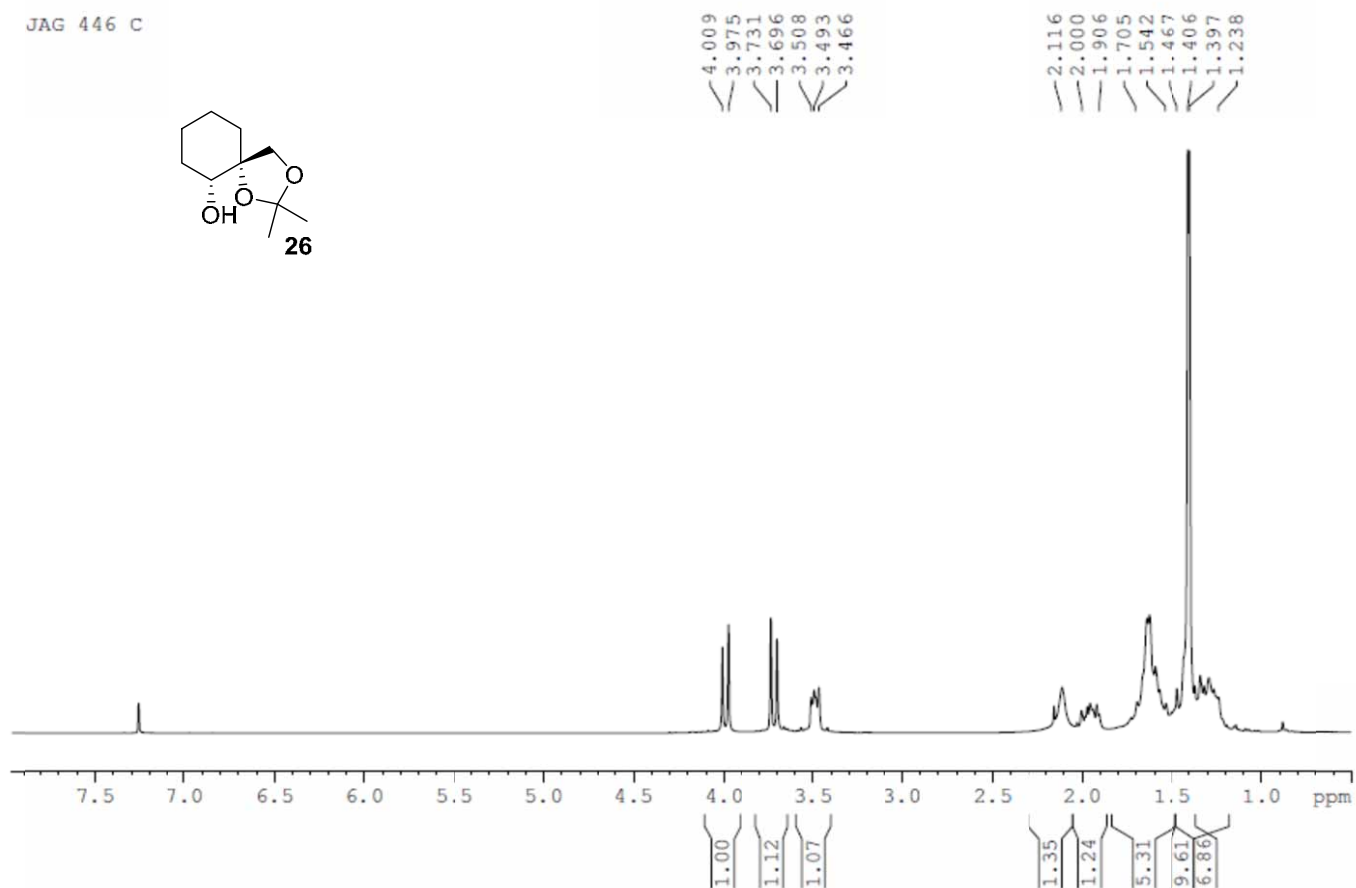
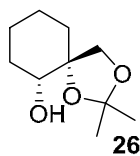




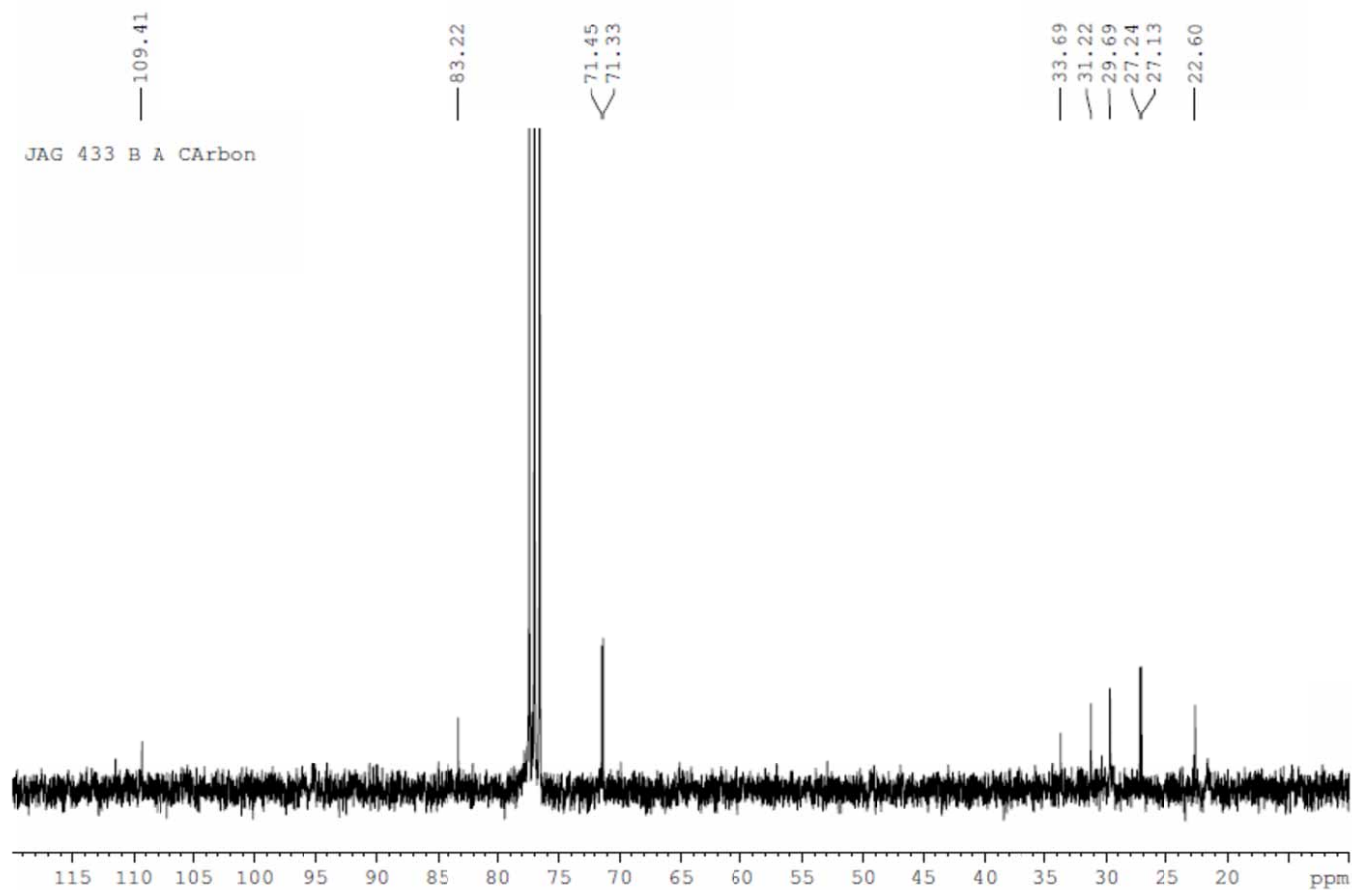
JAG 442 A Proton

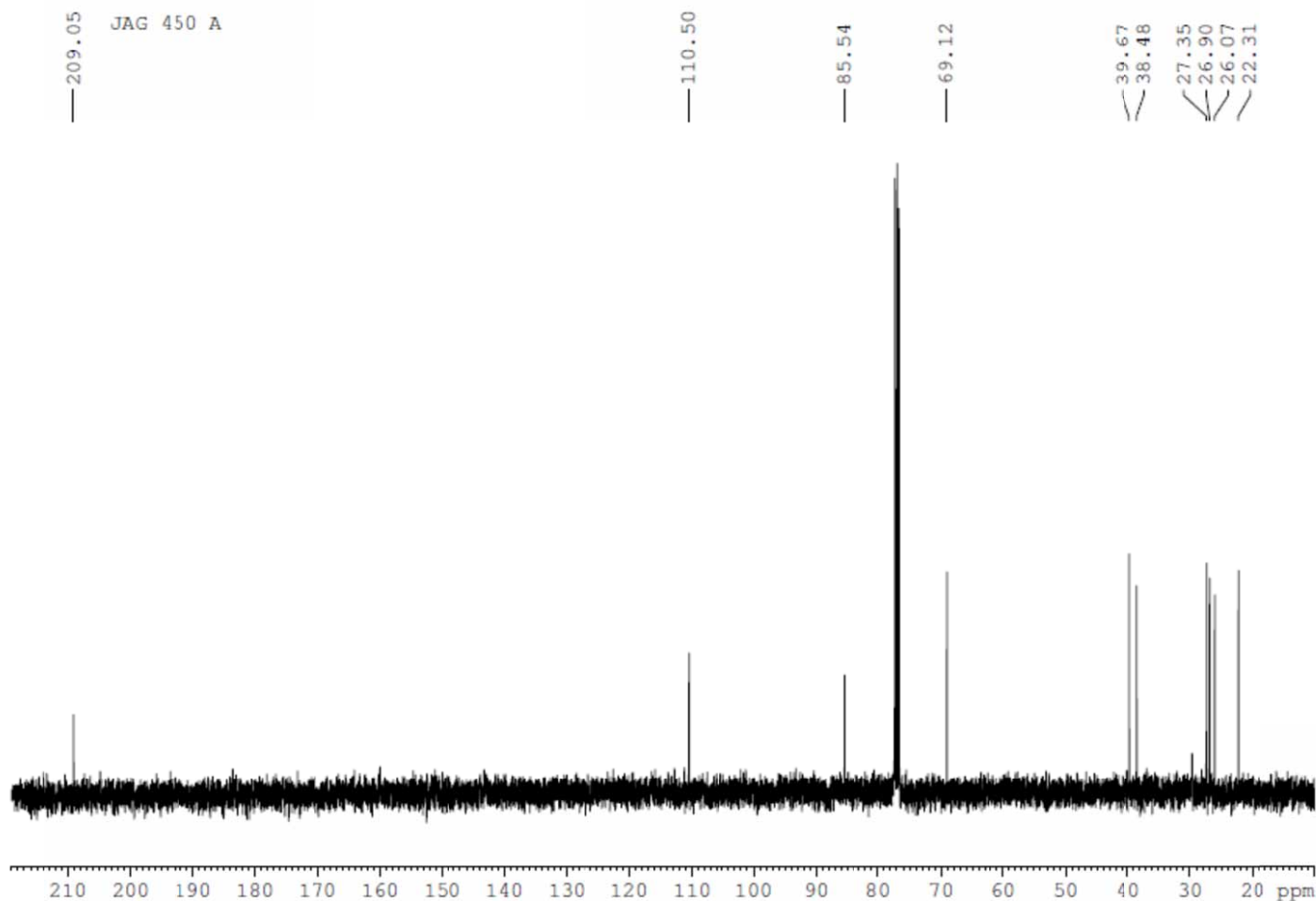
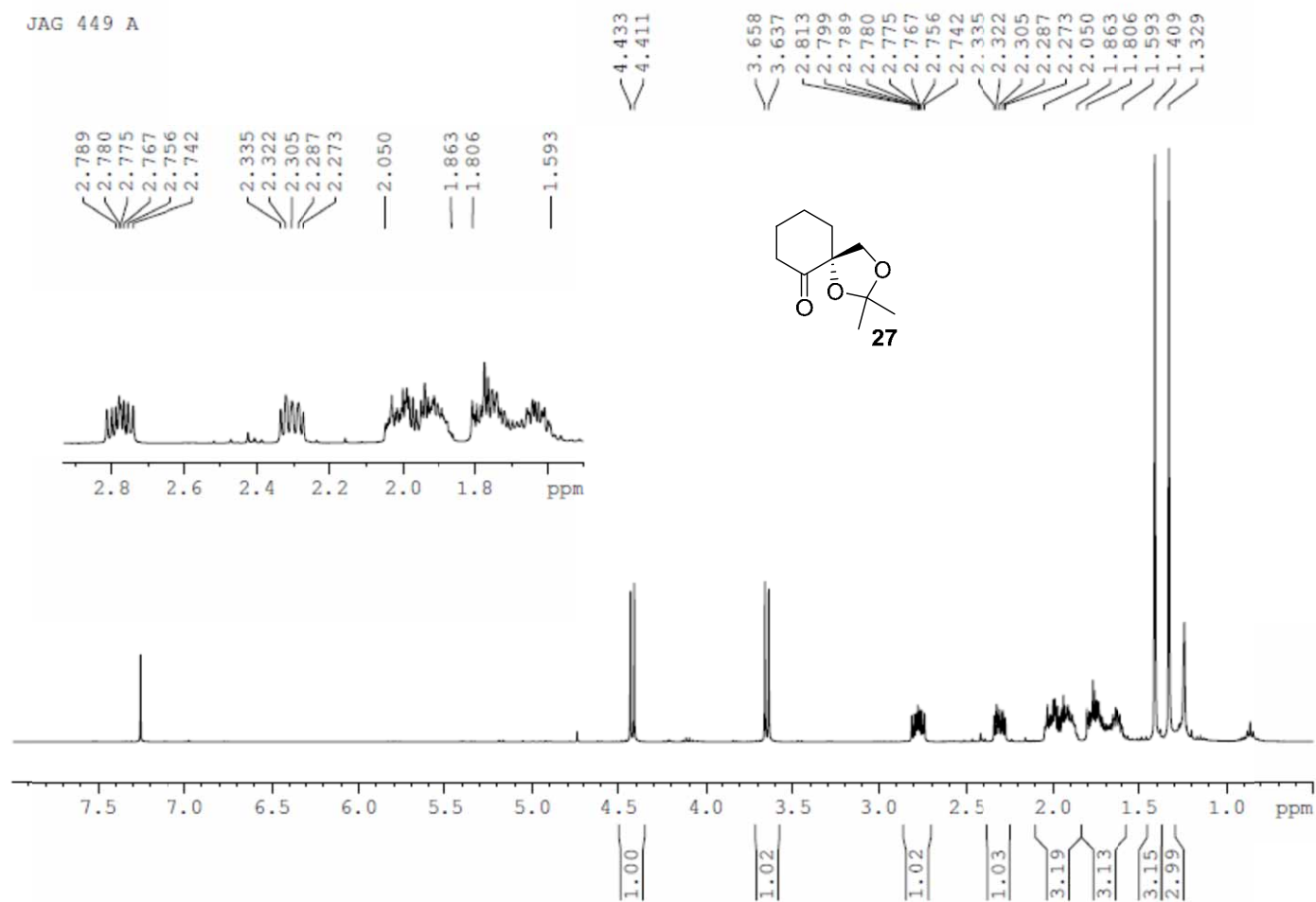


JAG 446 C

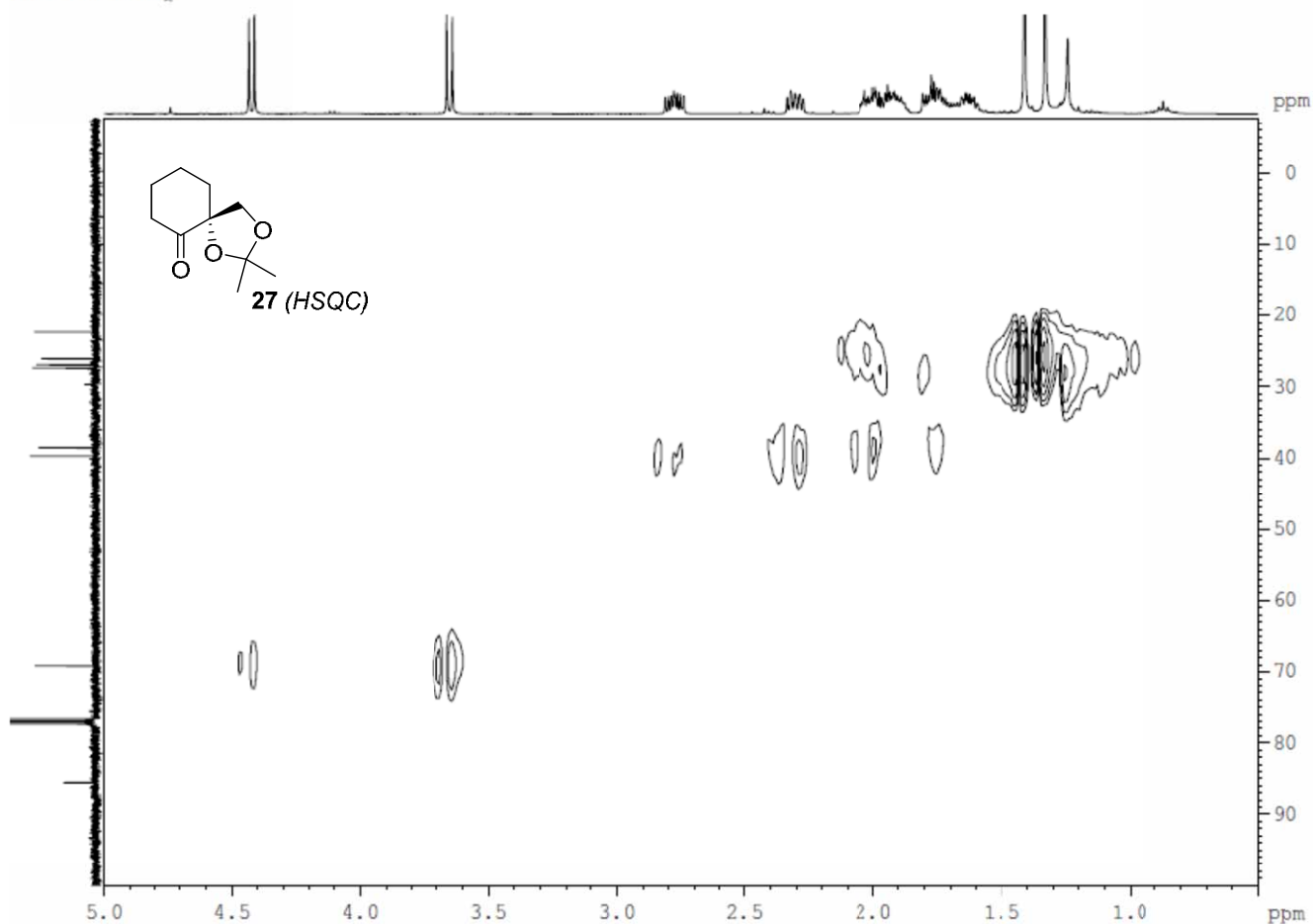


JAG 433 B A Carbon

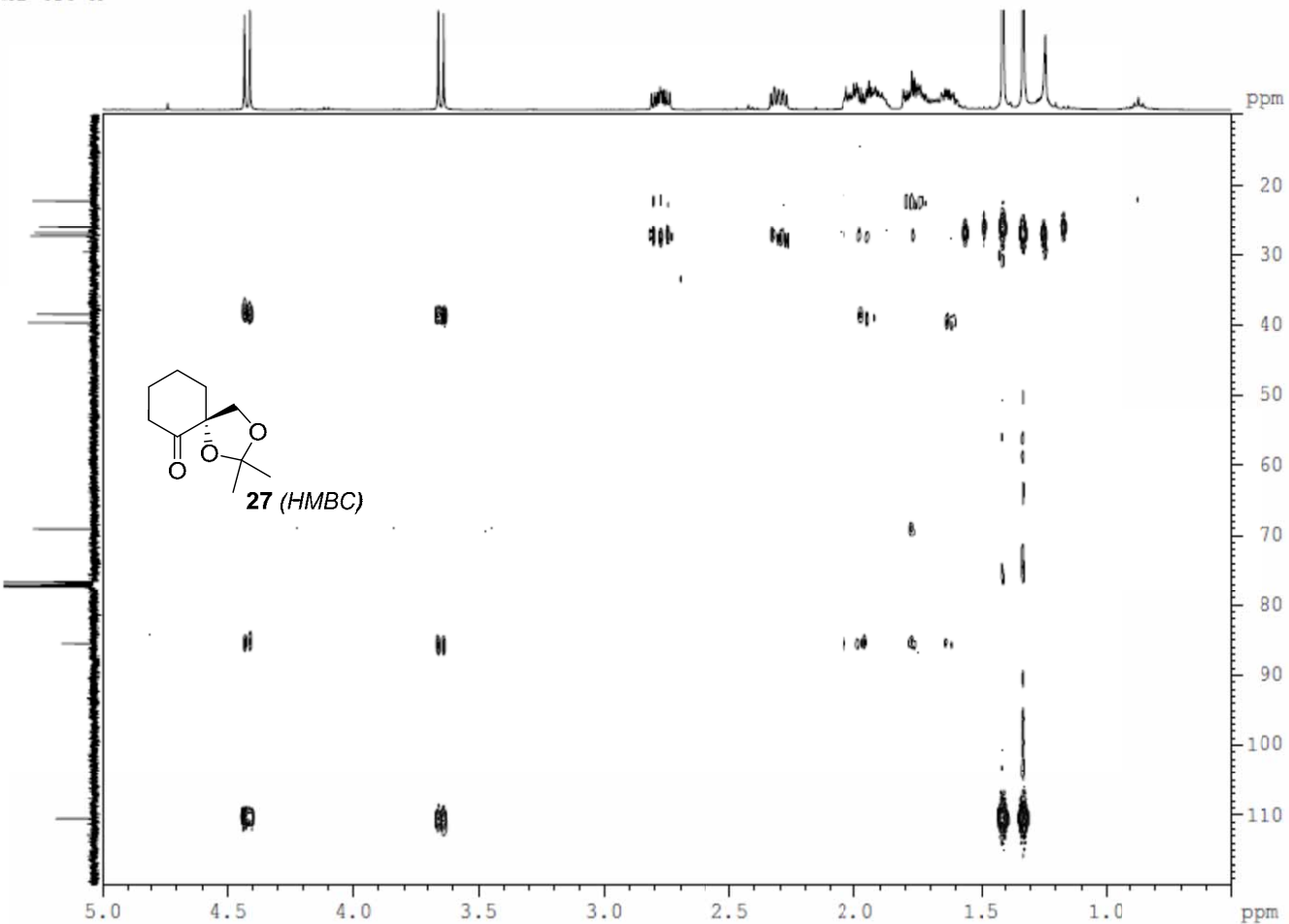


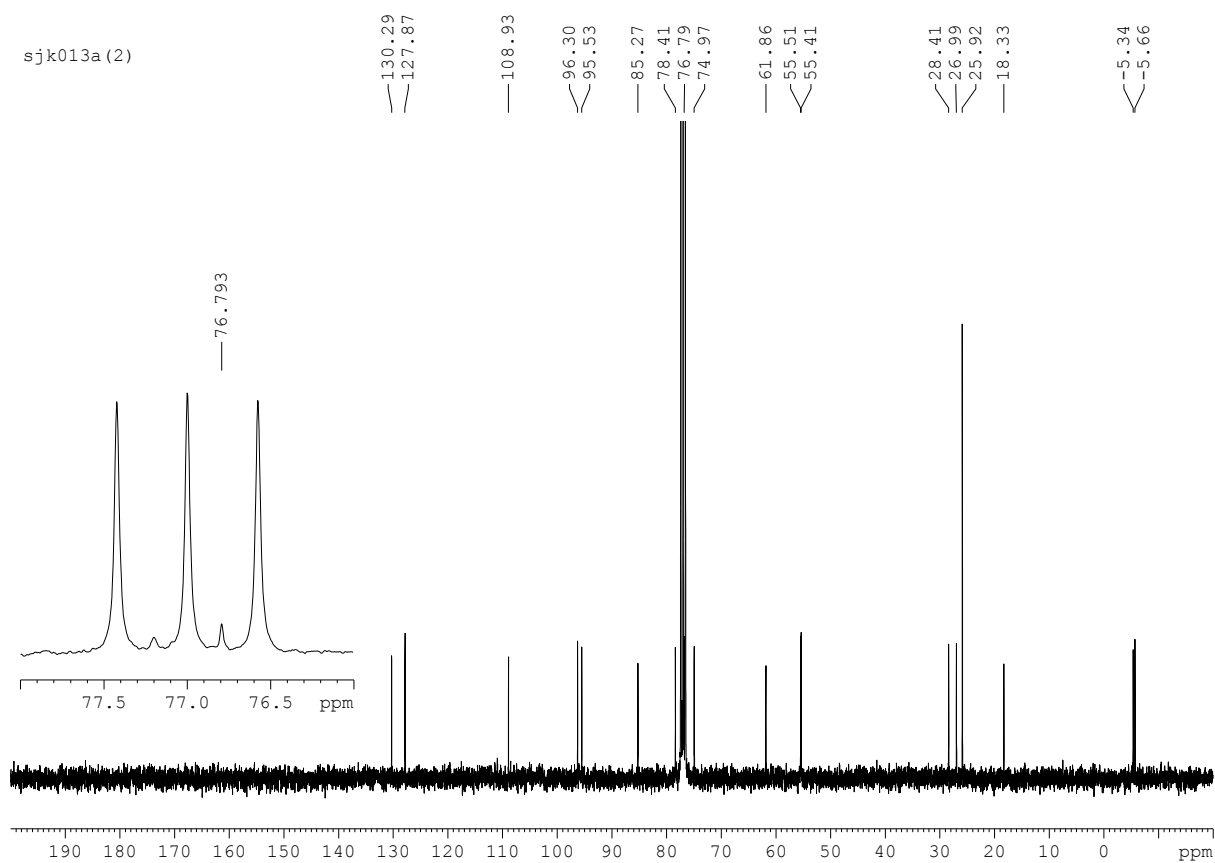
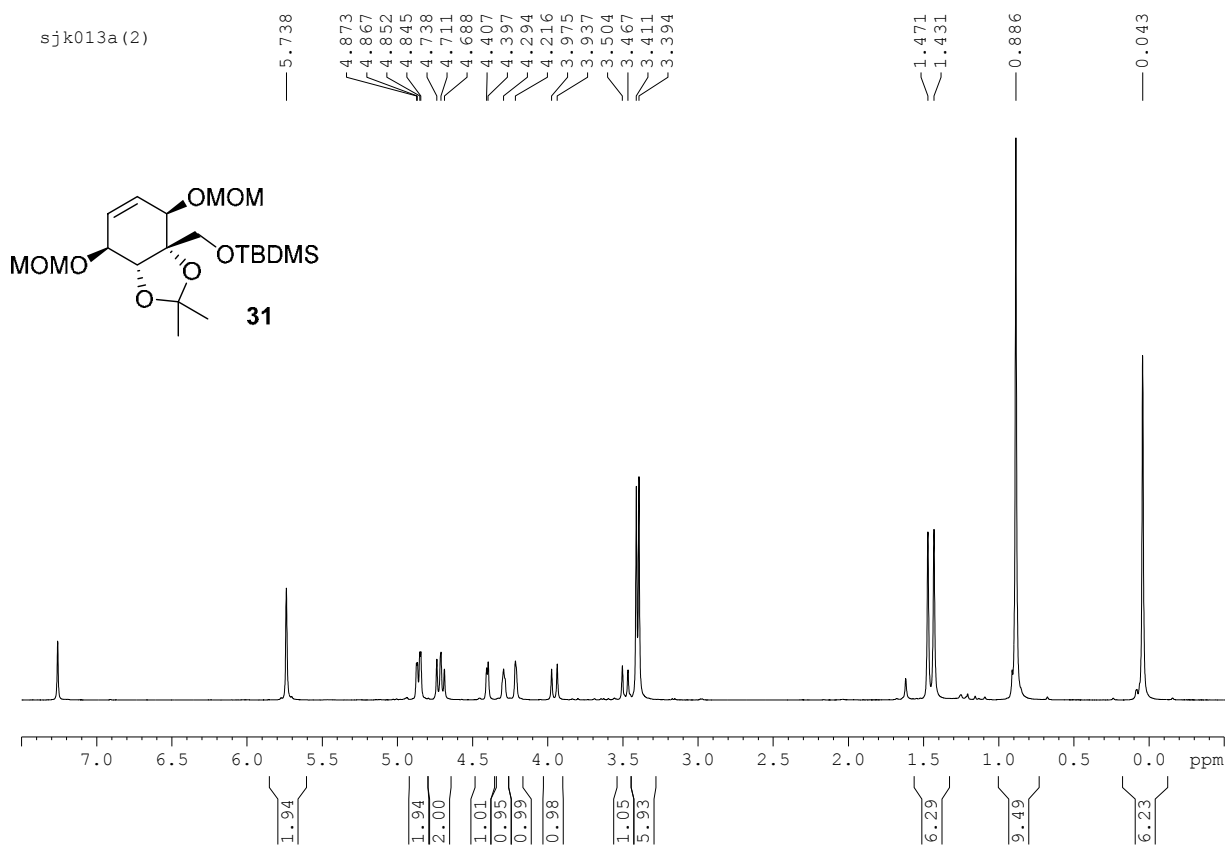


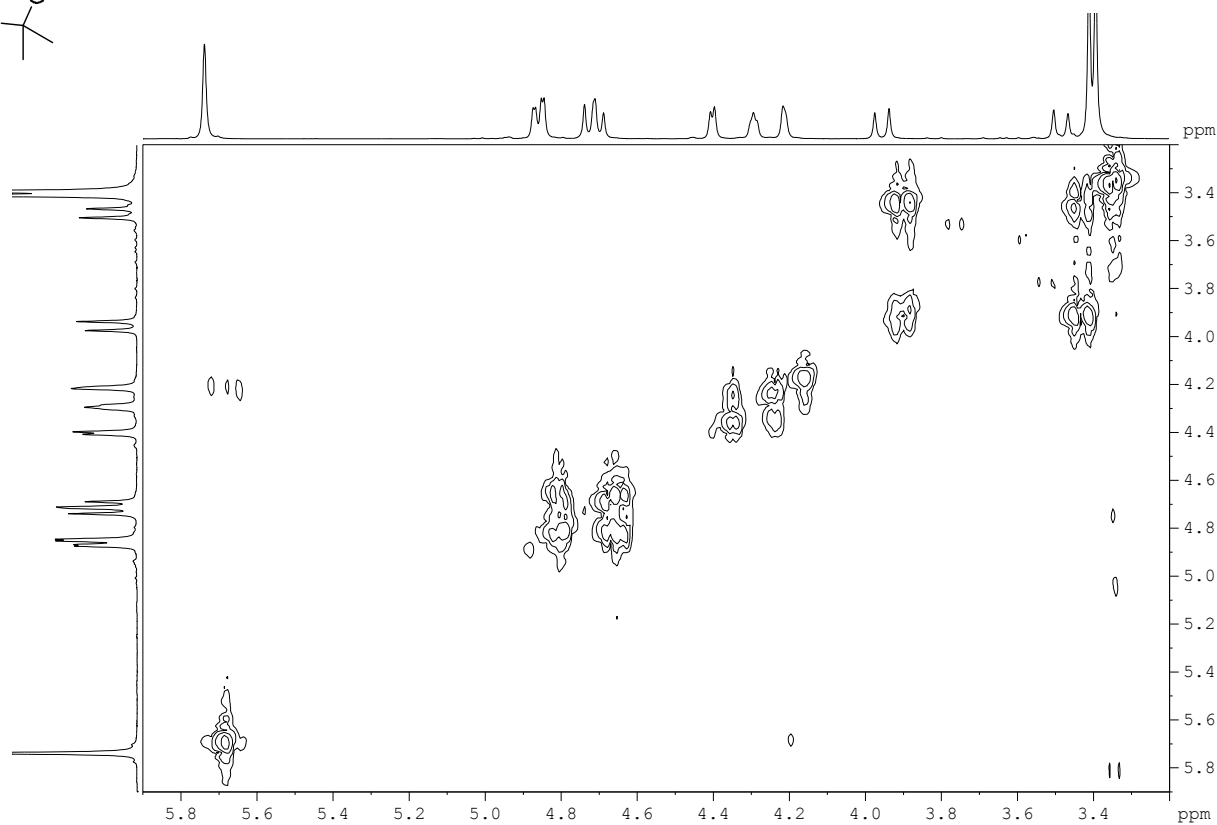
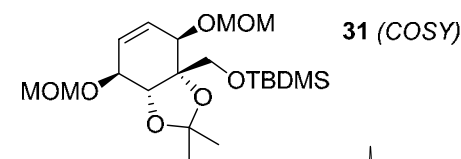
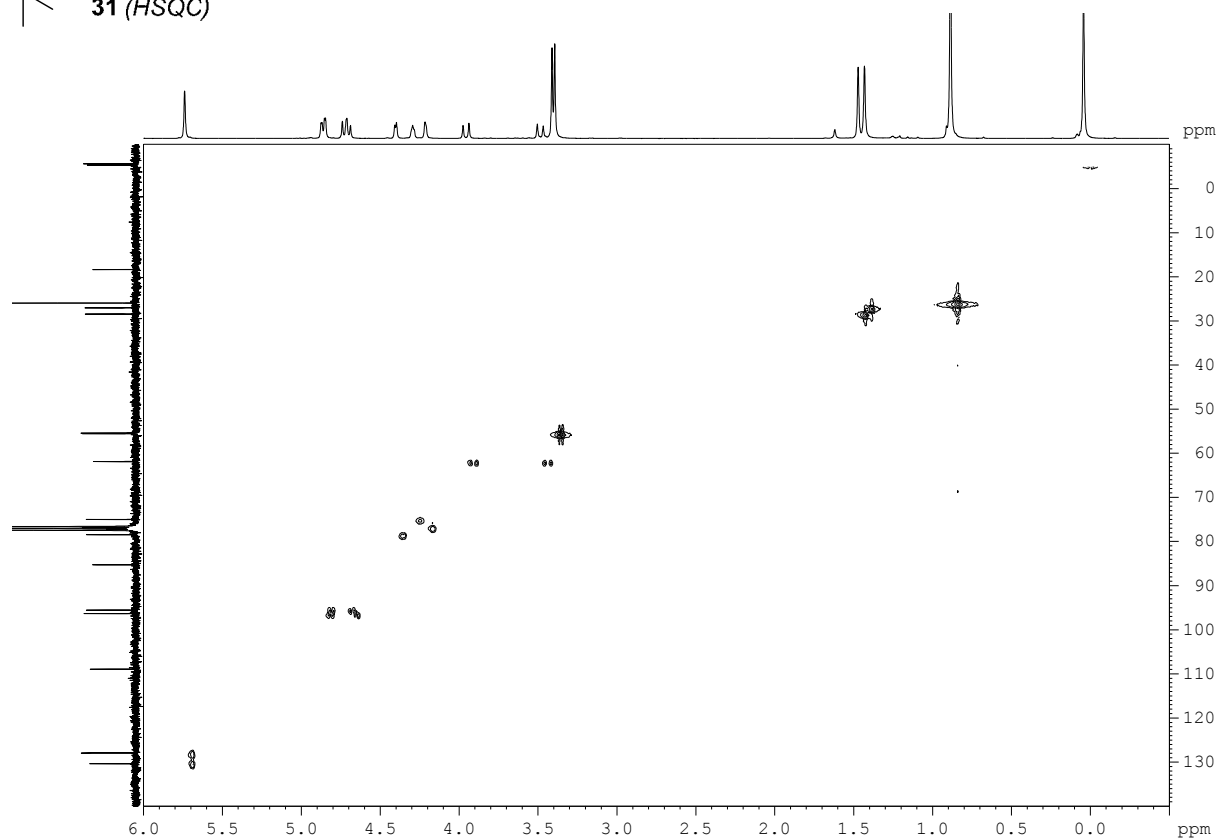
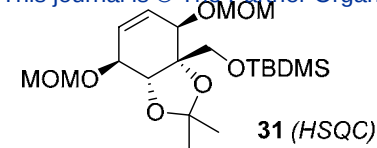
JAG 449 A HSQC

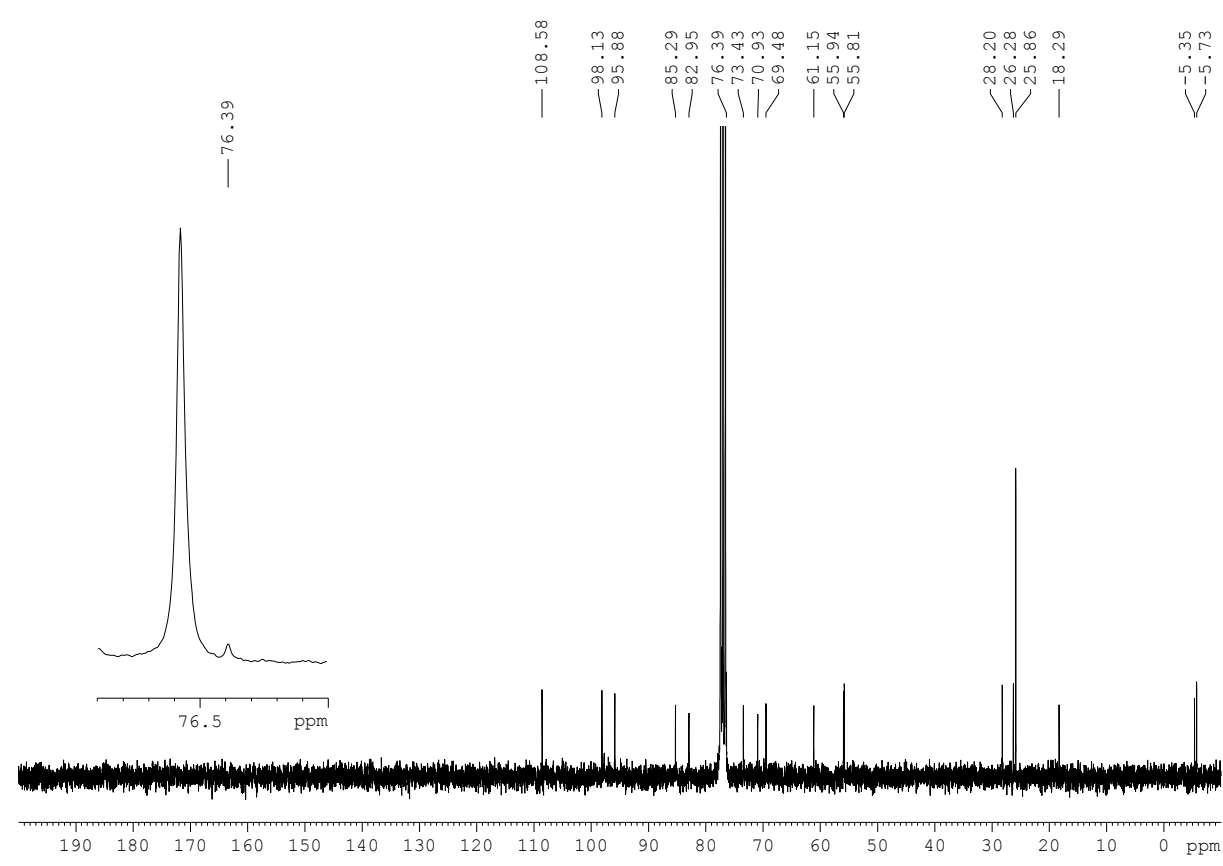
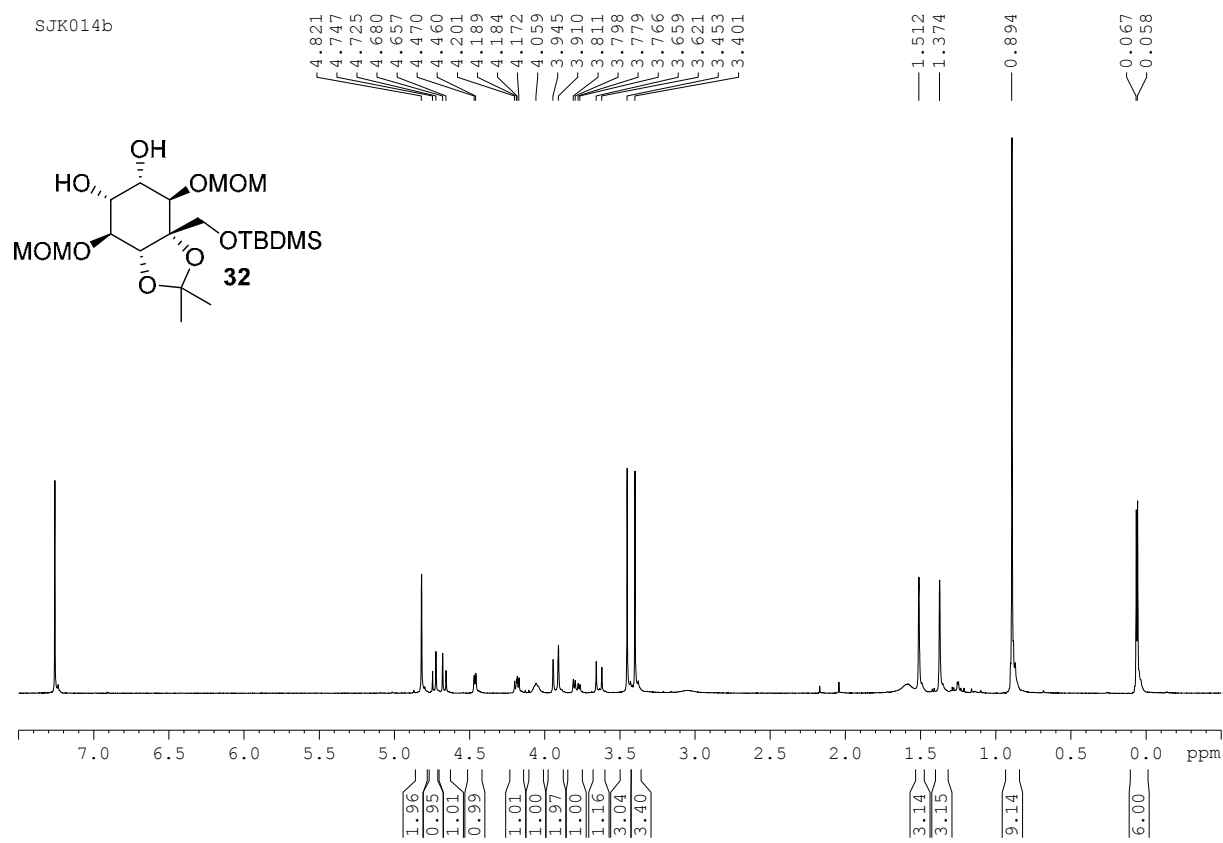


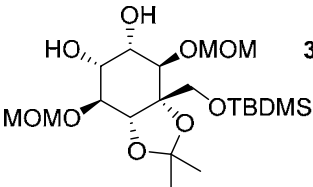
JAG 450 A



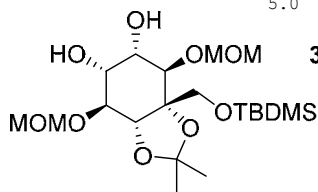
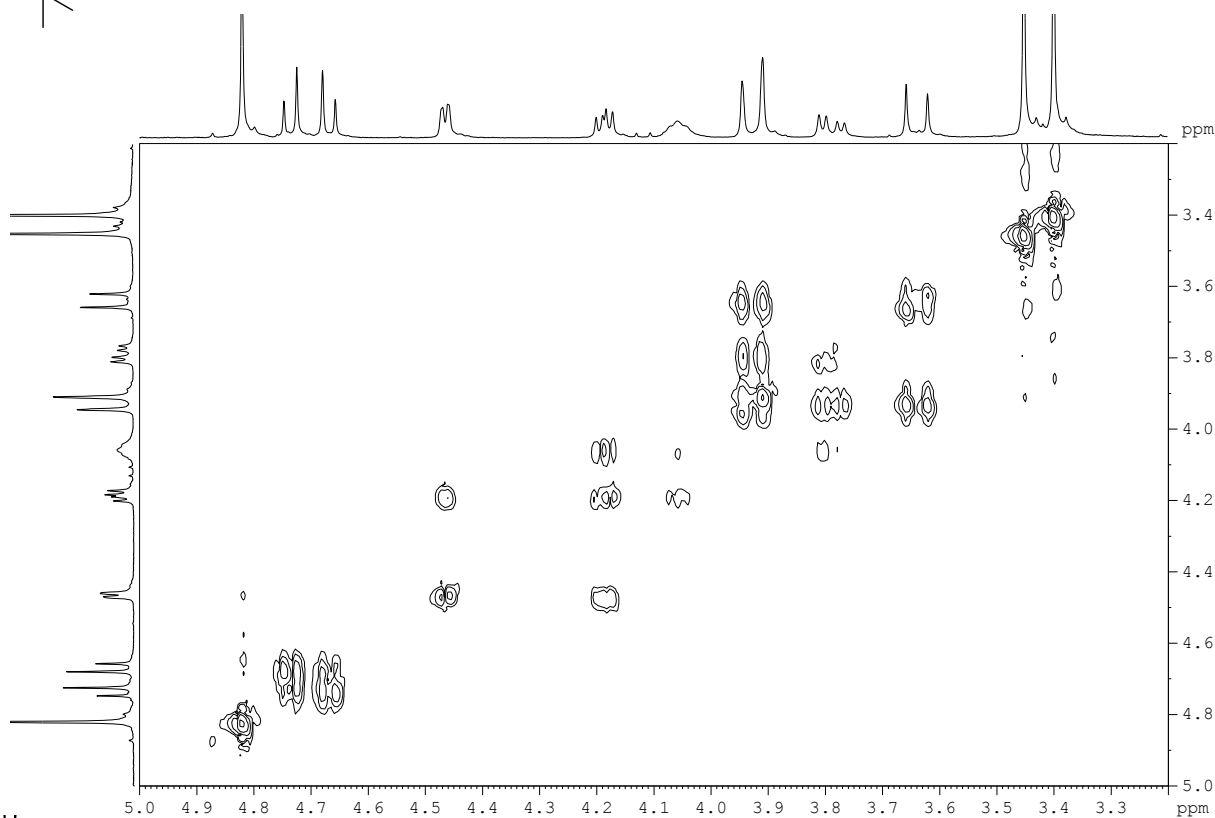




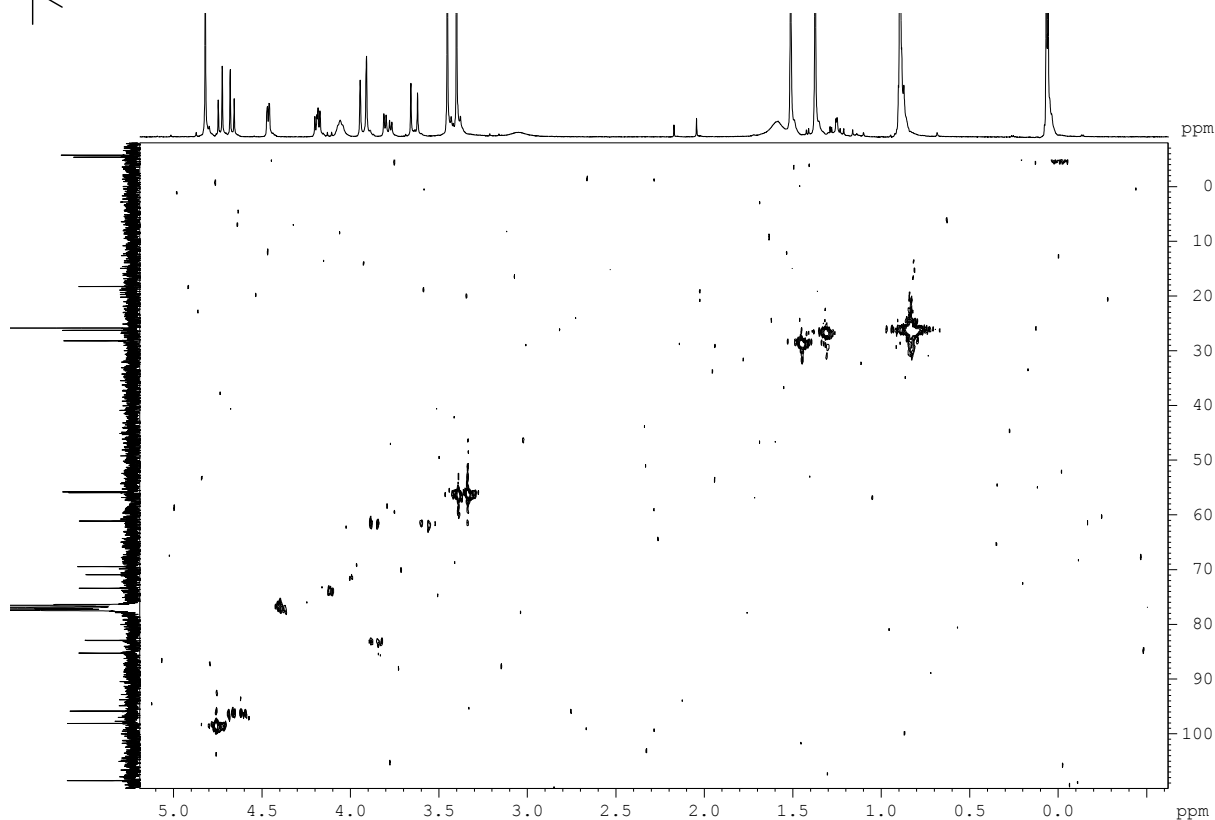


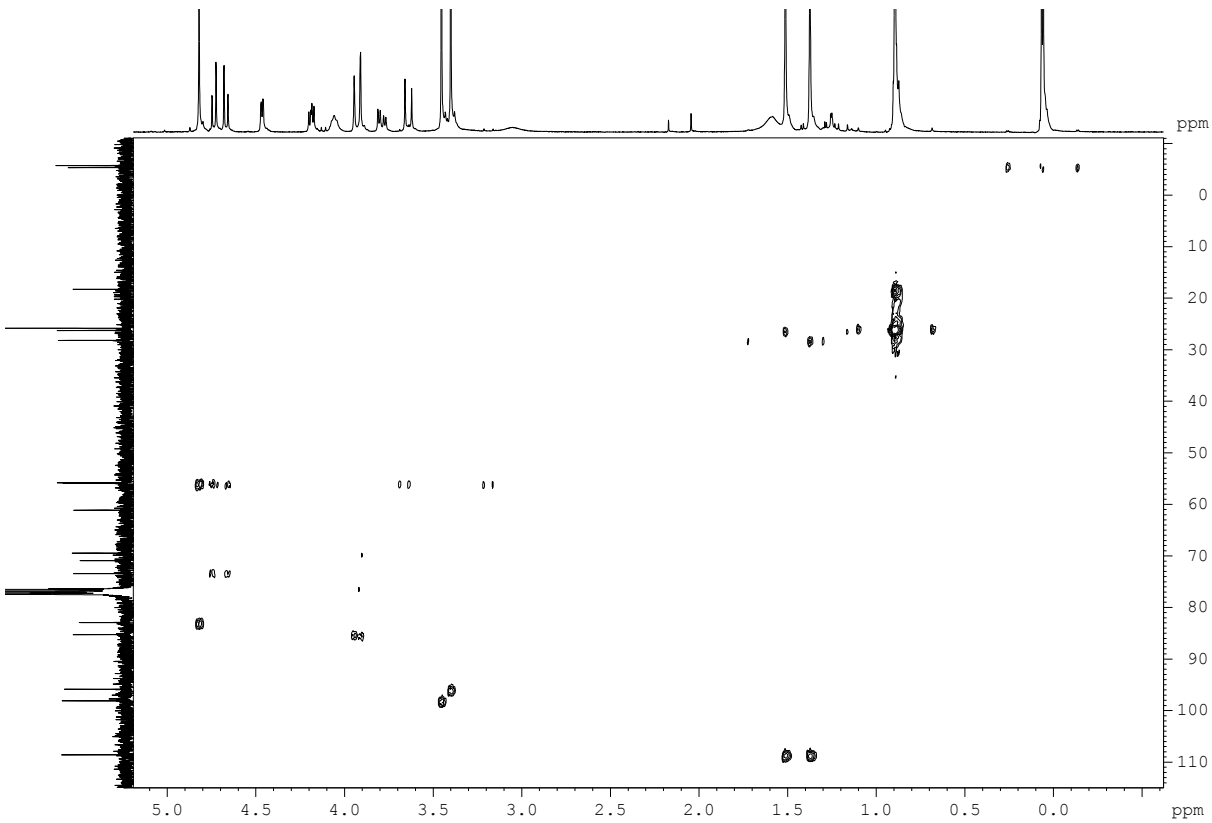
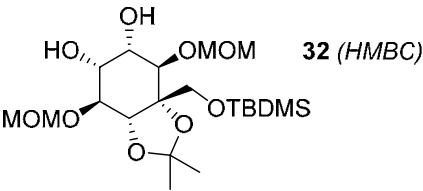


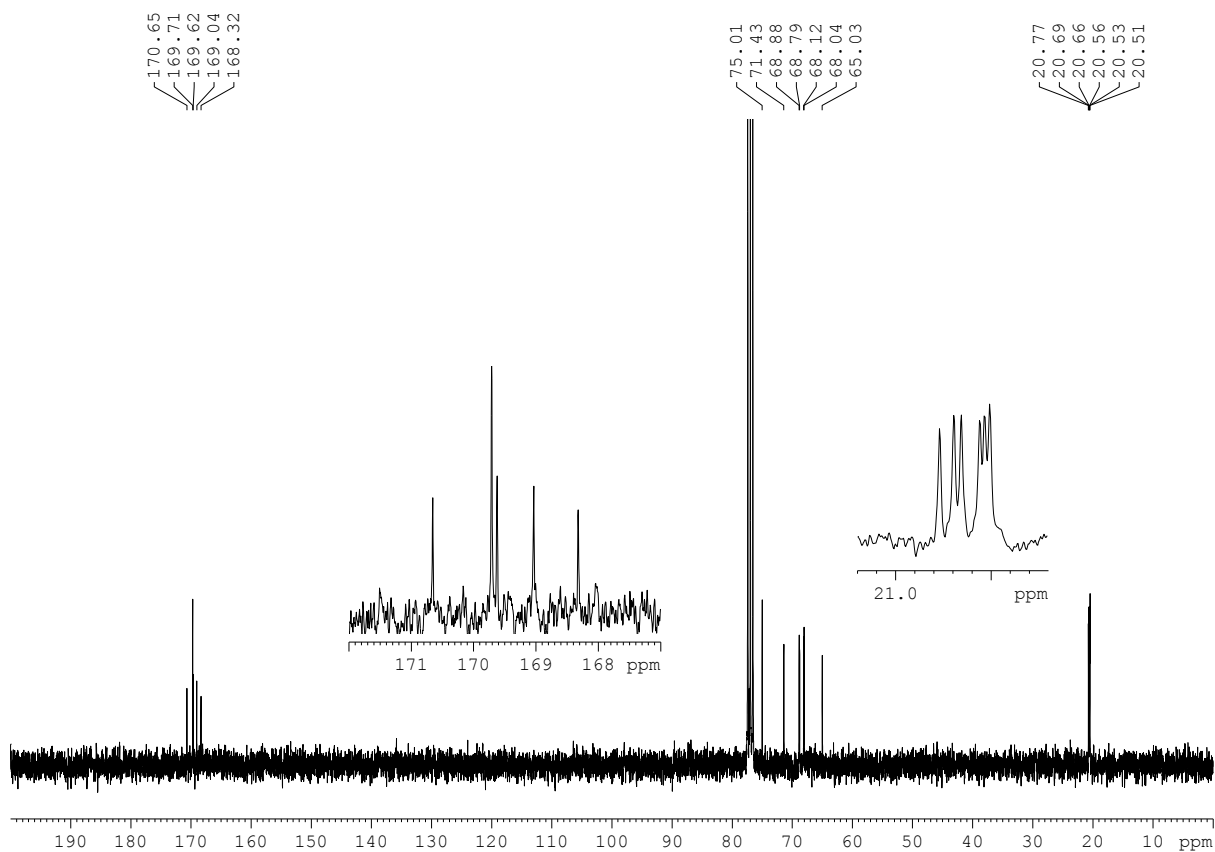
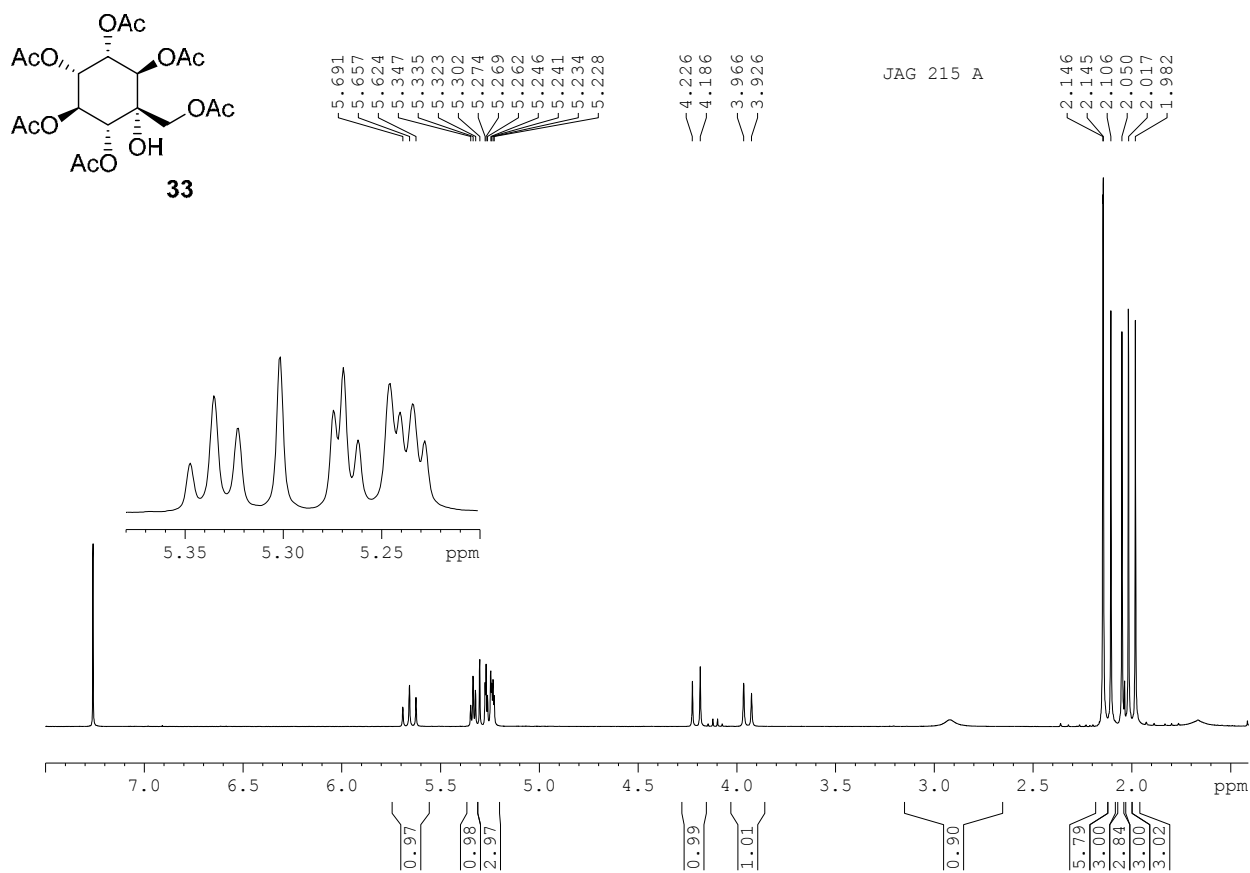
32 (COSY)

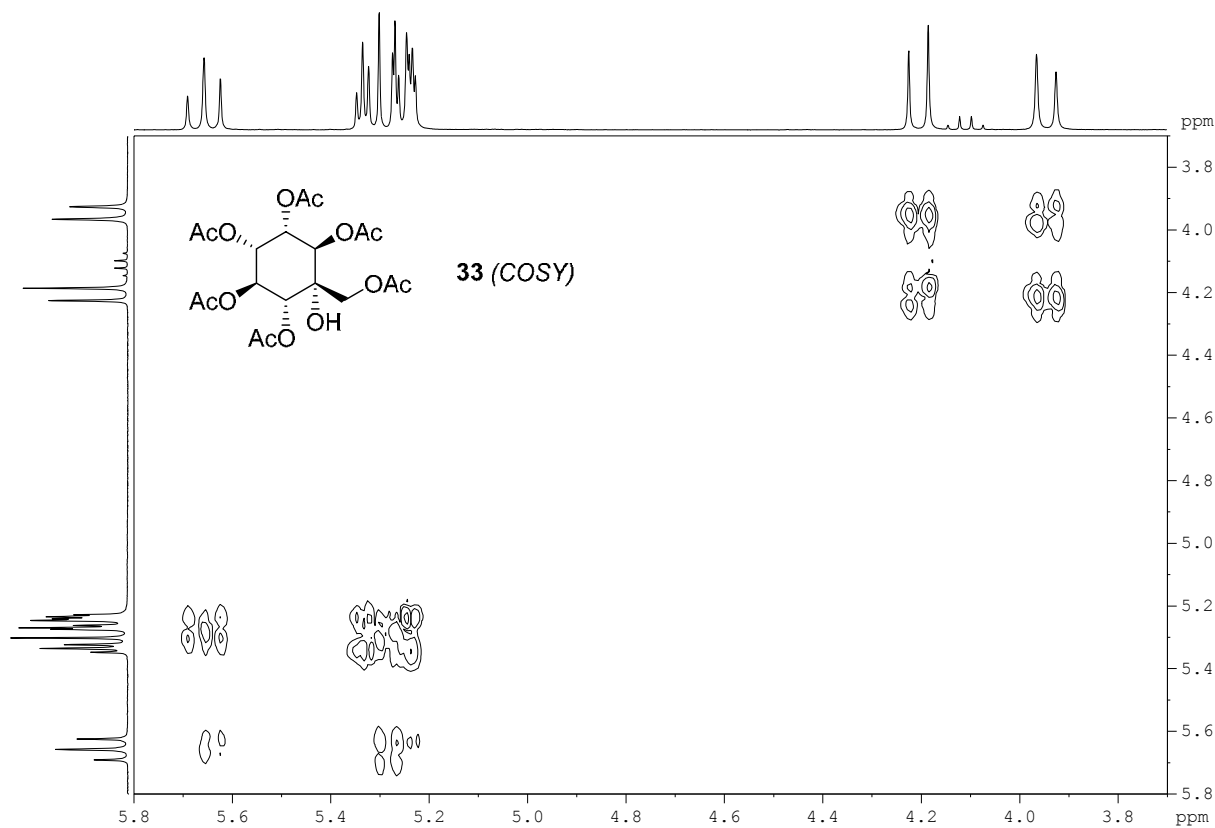
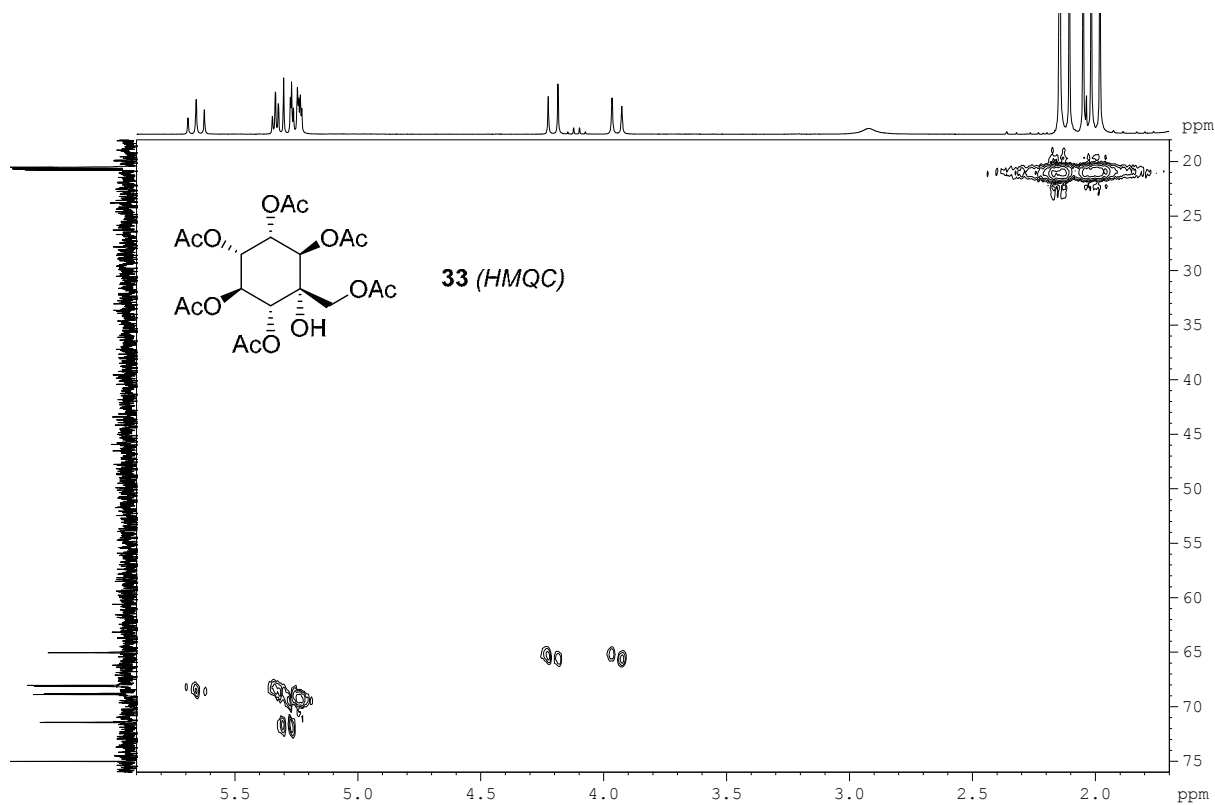


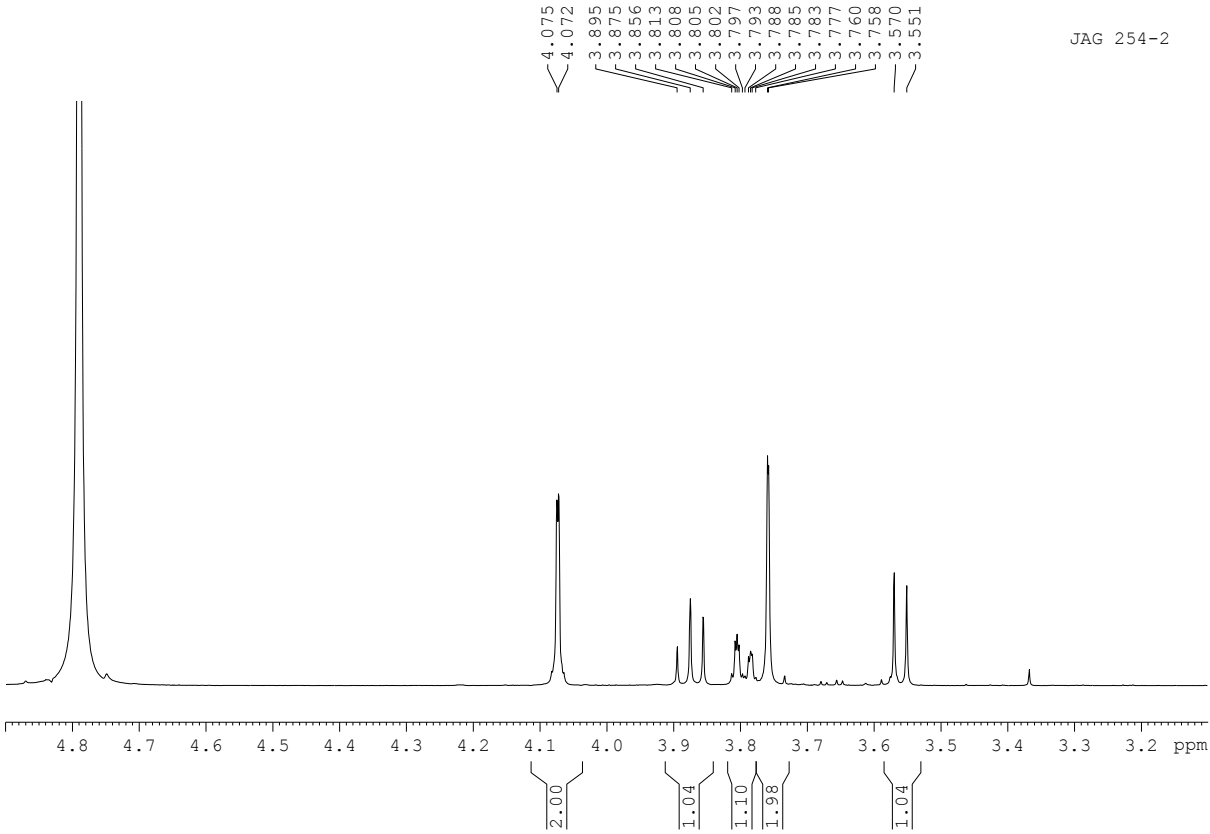
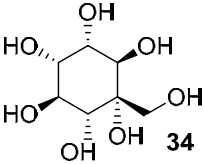
32 (HMQC)



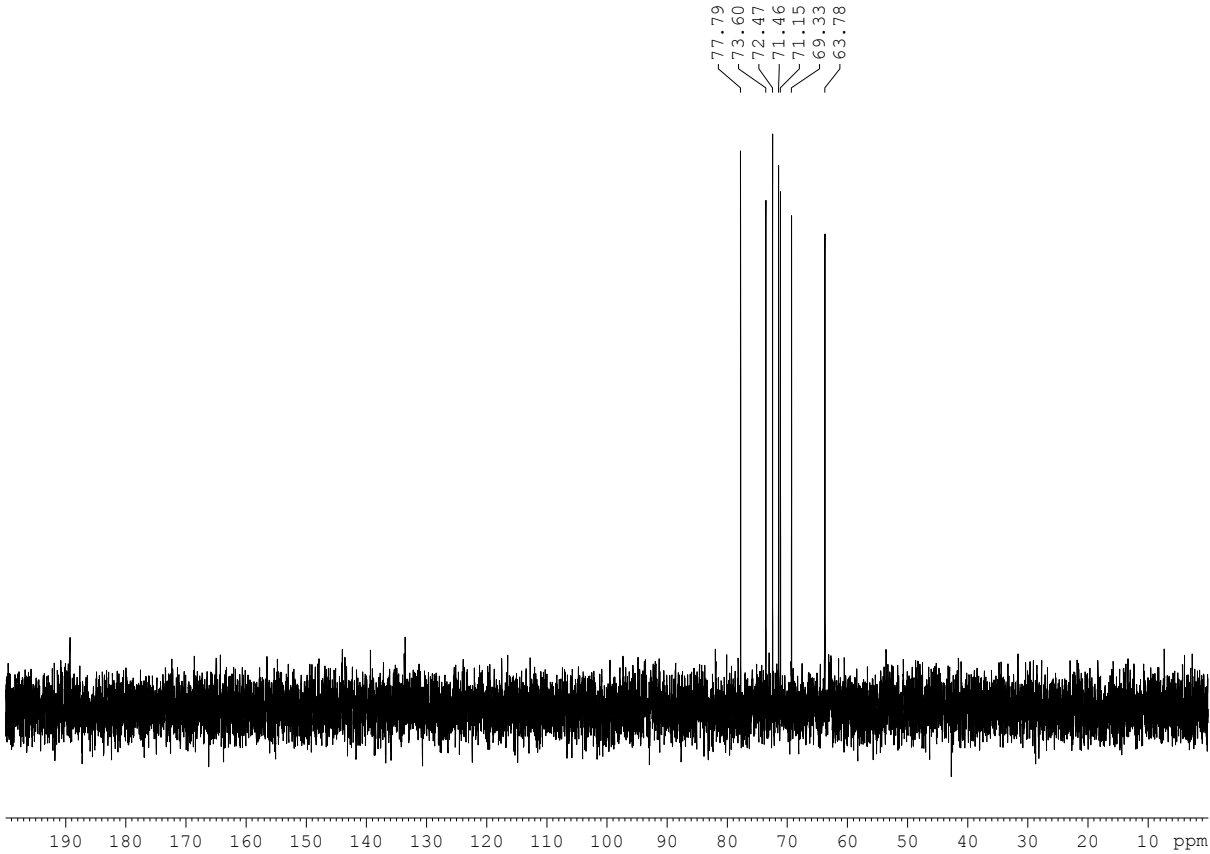


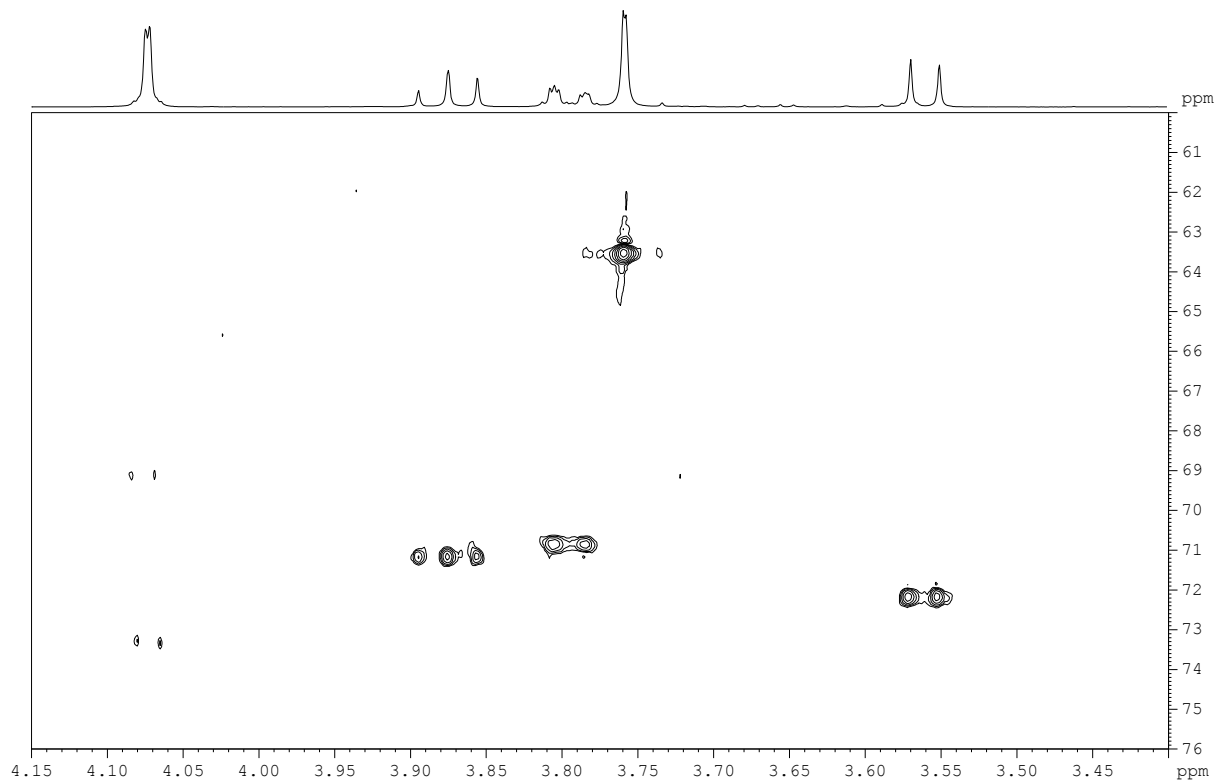
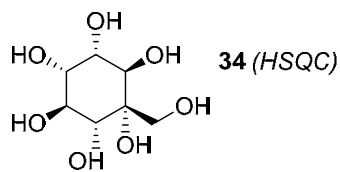
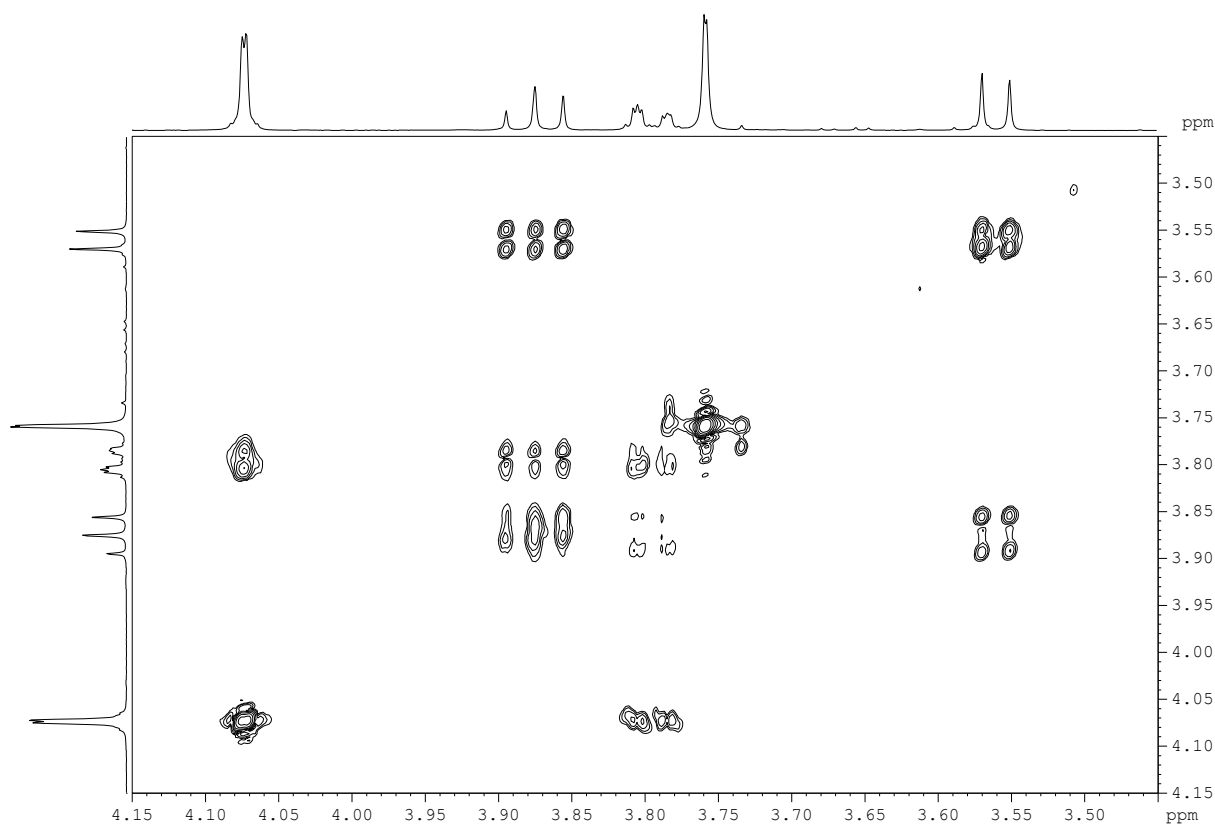
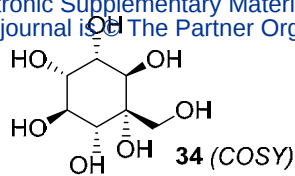






JAG 254-2





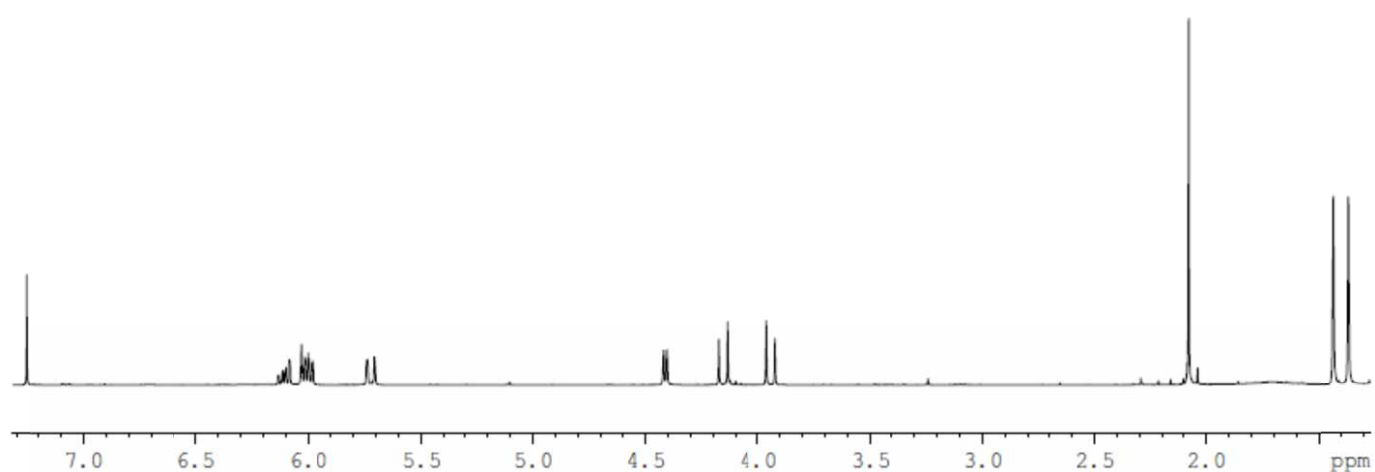
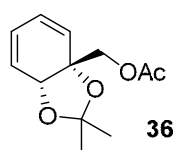
JAG 308

6.135
6.087
6.033
5.984
5.740
5.707

4.422
4.407
4.178
4.140
3.961
3.923

2.079

1.437
1.371



JAG 308

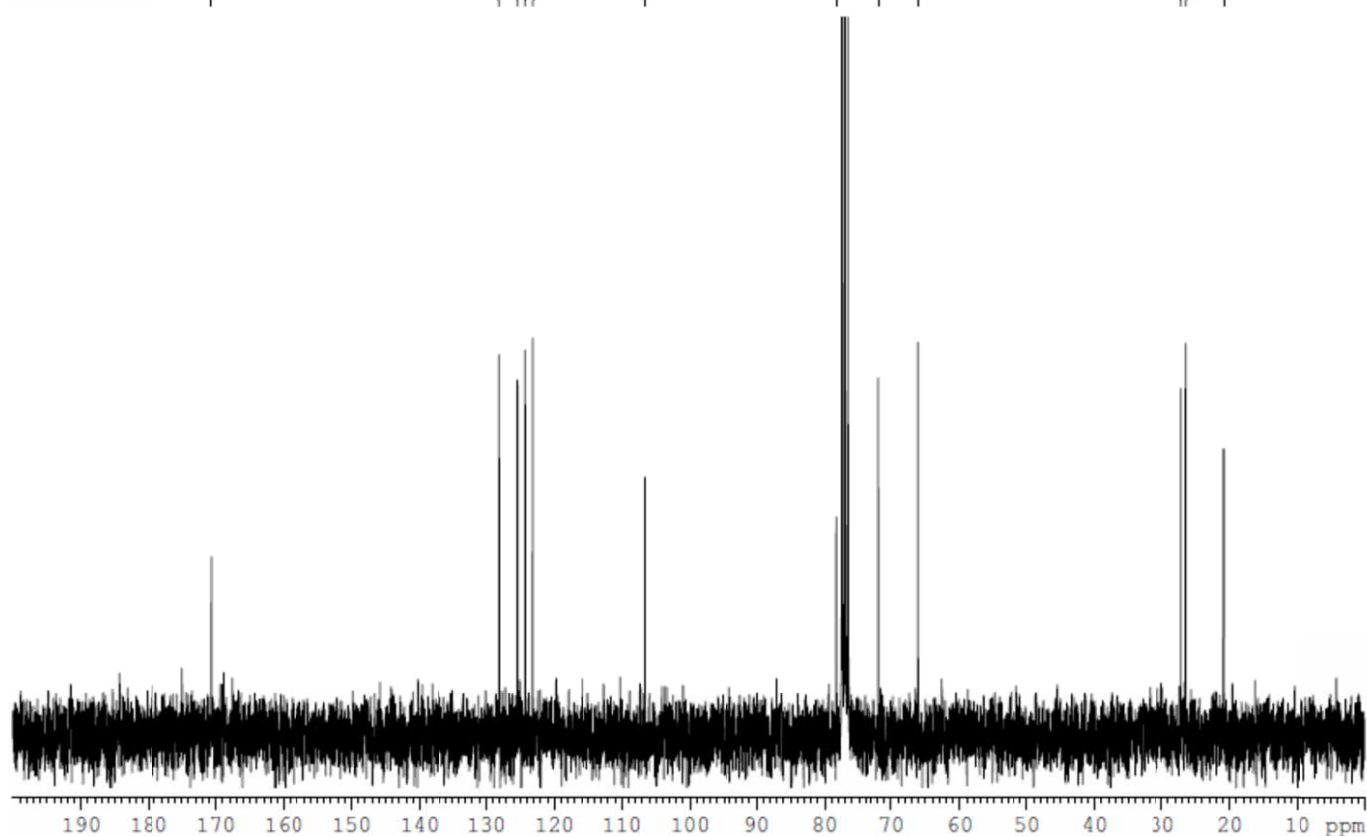
170.634

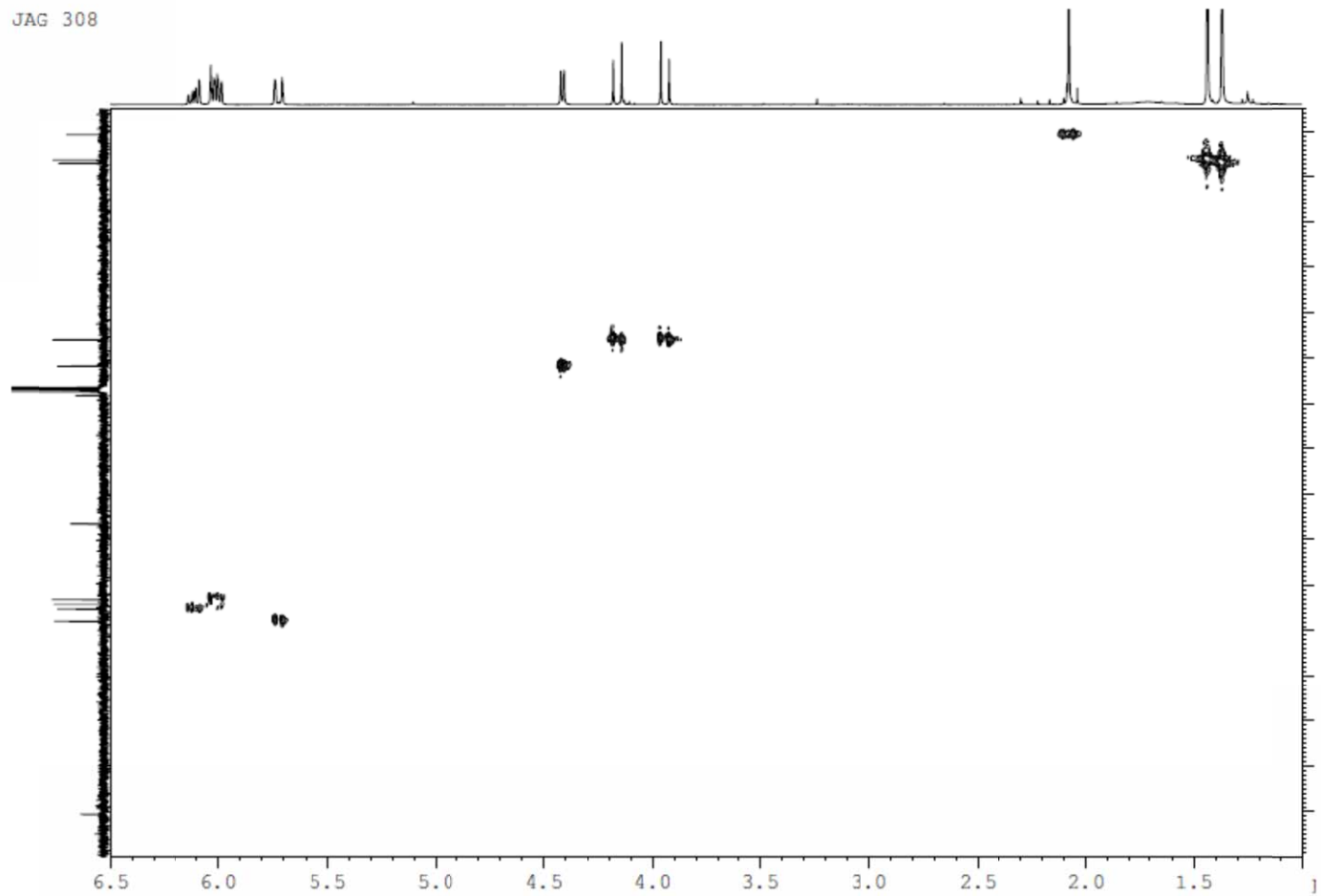
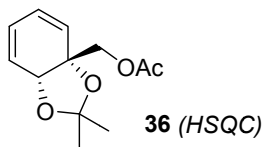
128.082
125.362
124.257
123.149

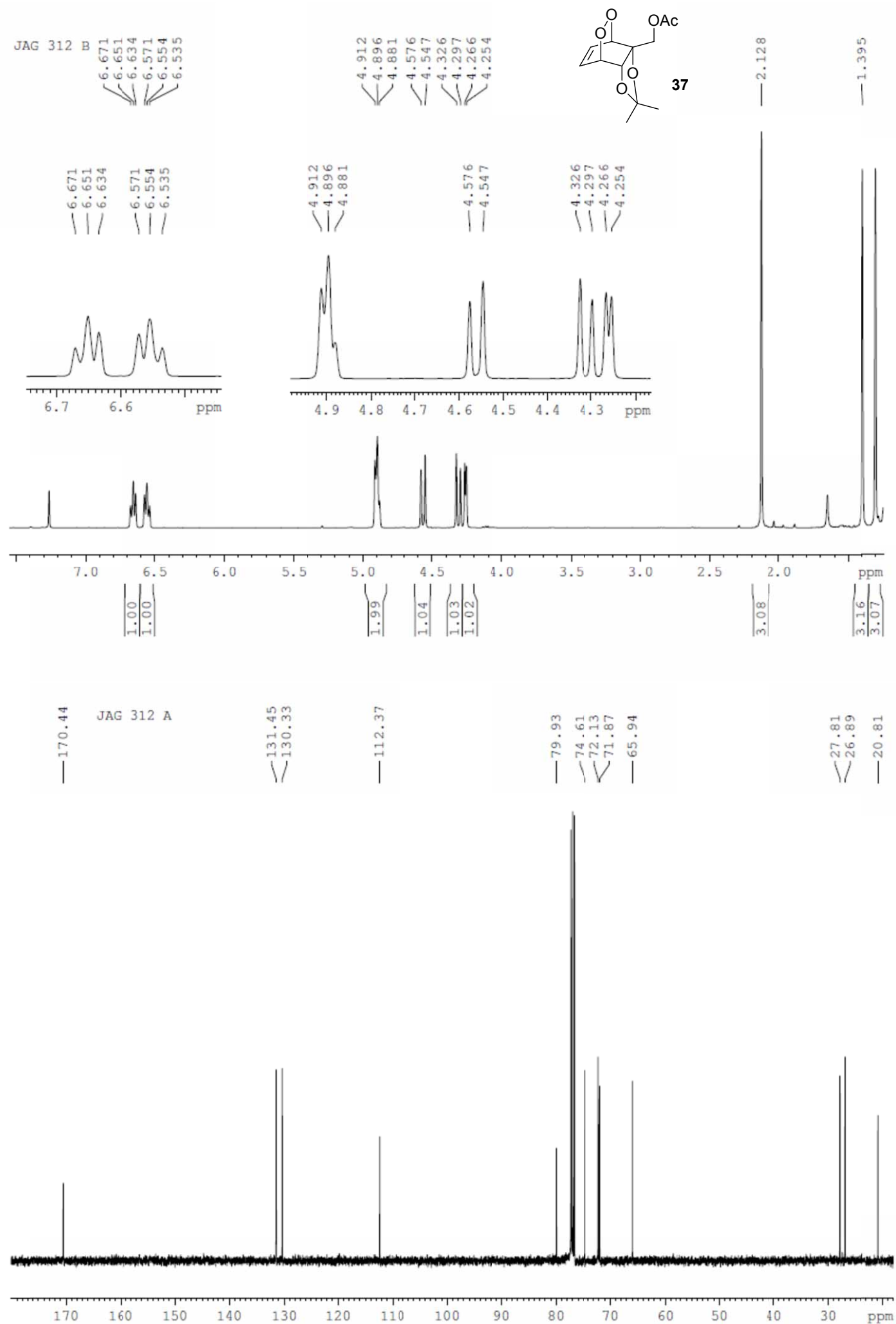
106.558

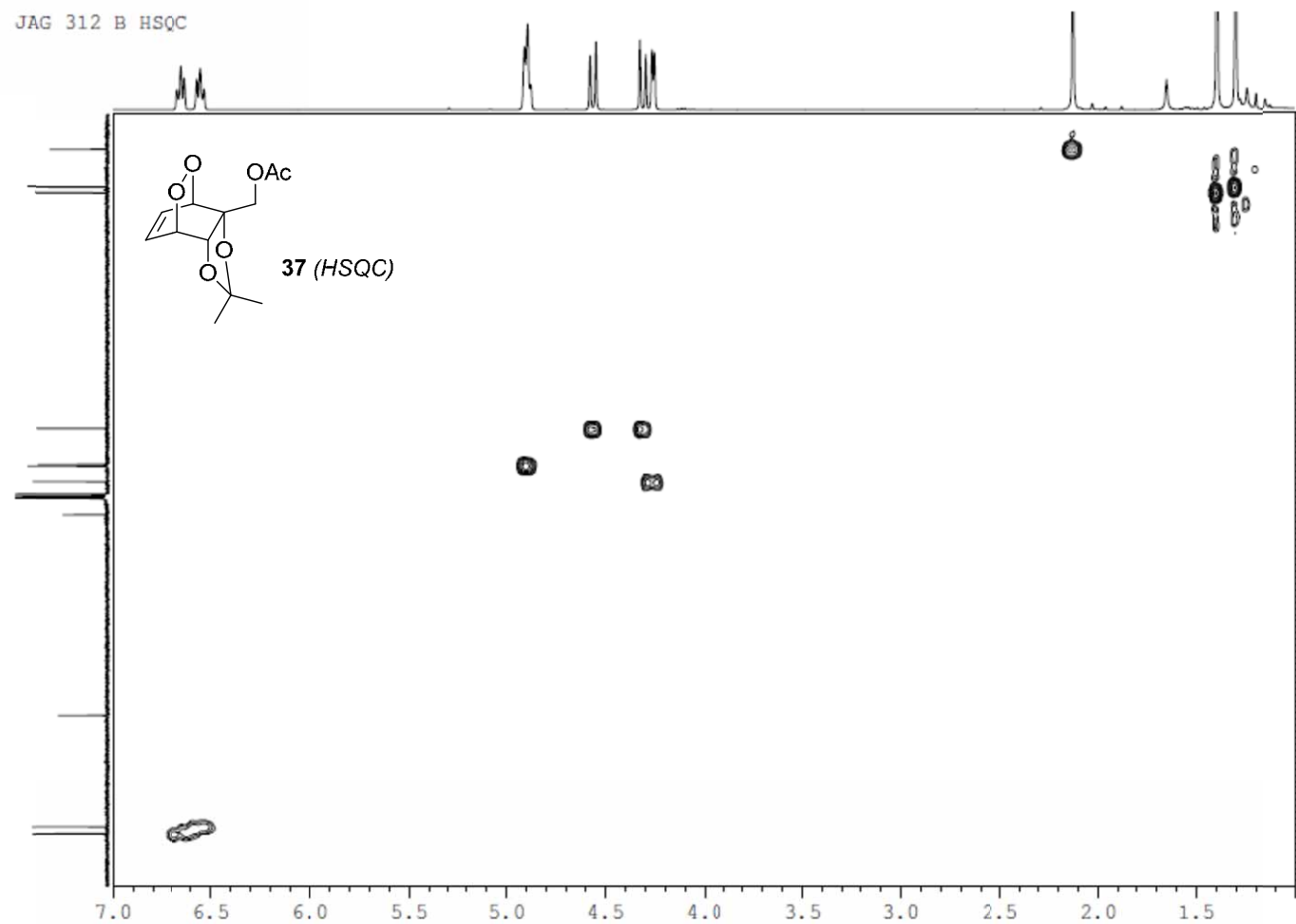
78.281
71.842
66.091

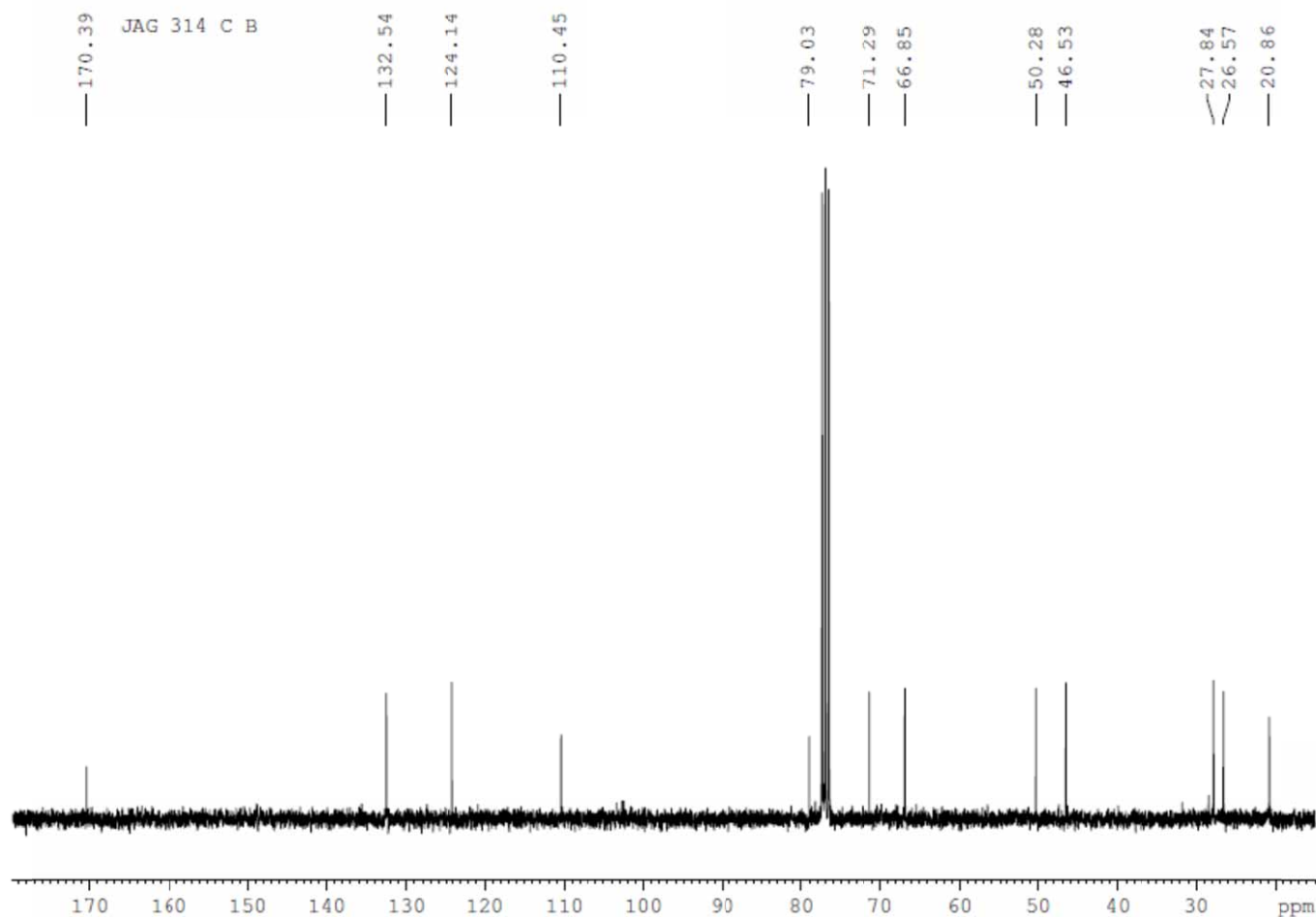
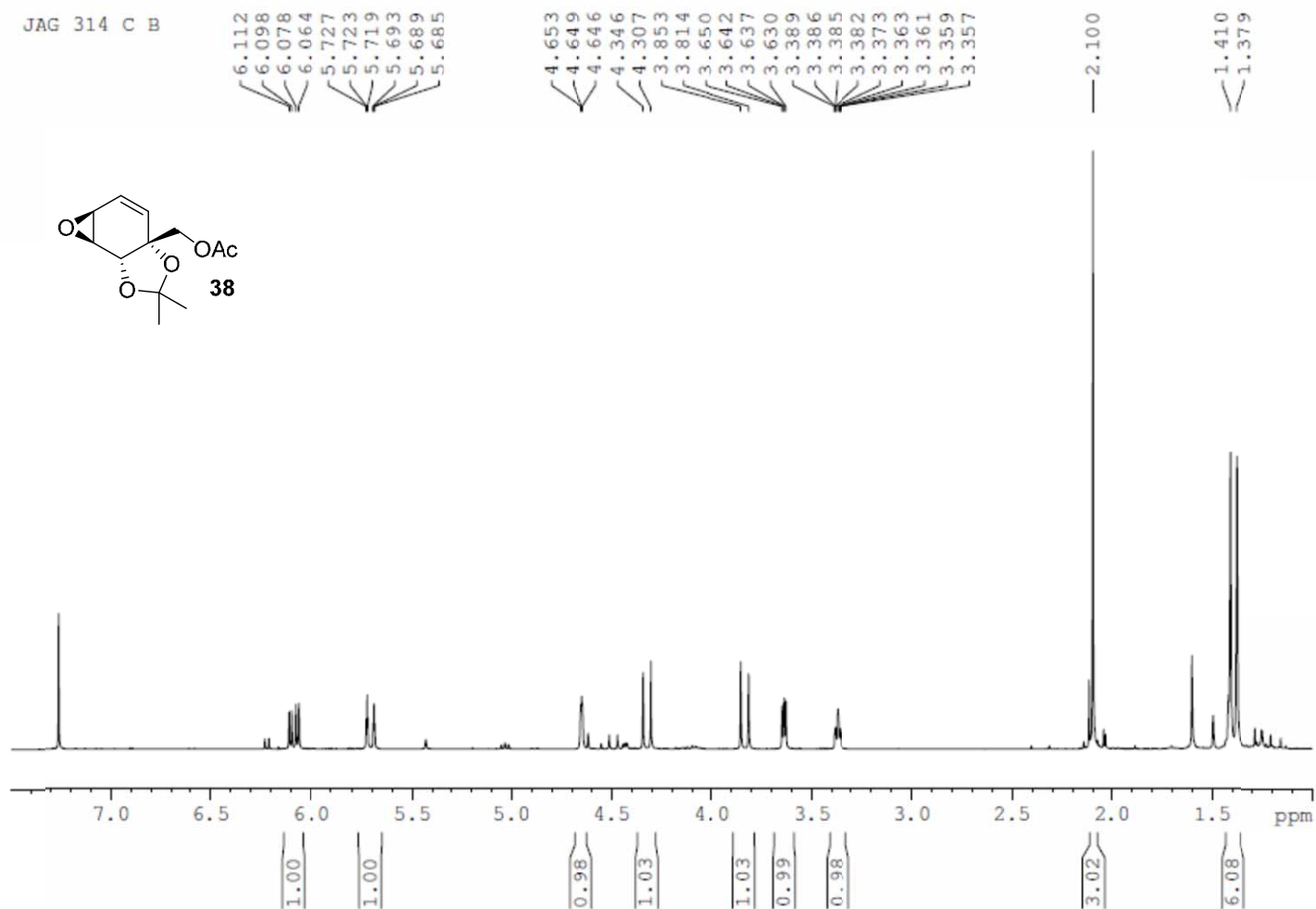
27.079
26.382
20.815



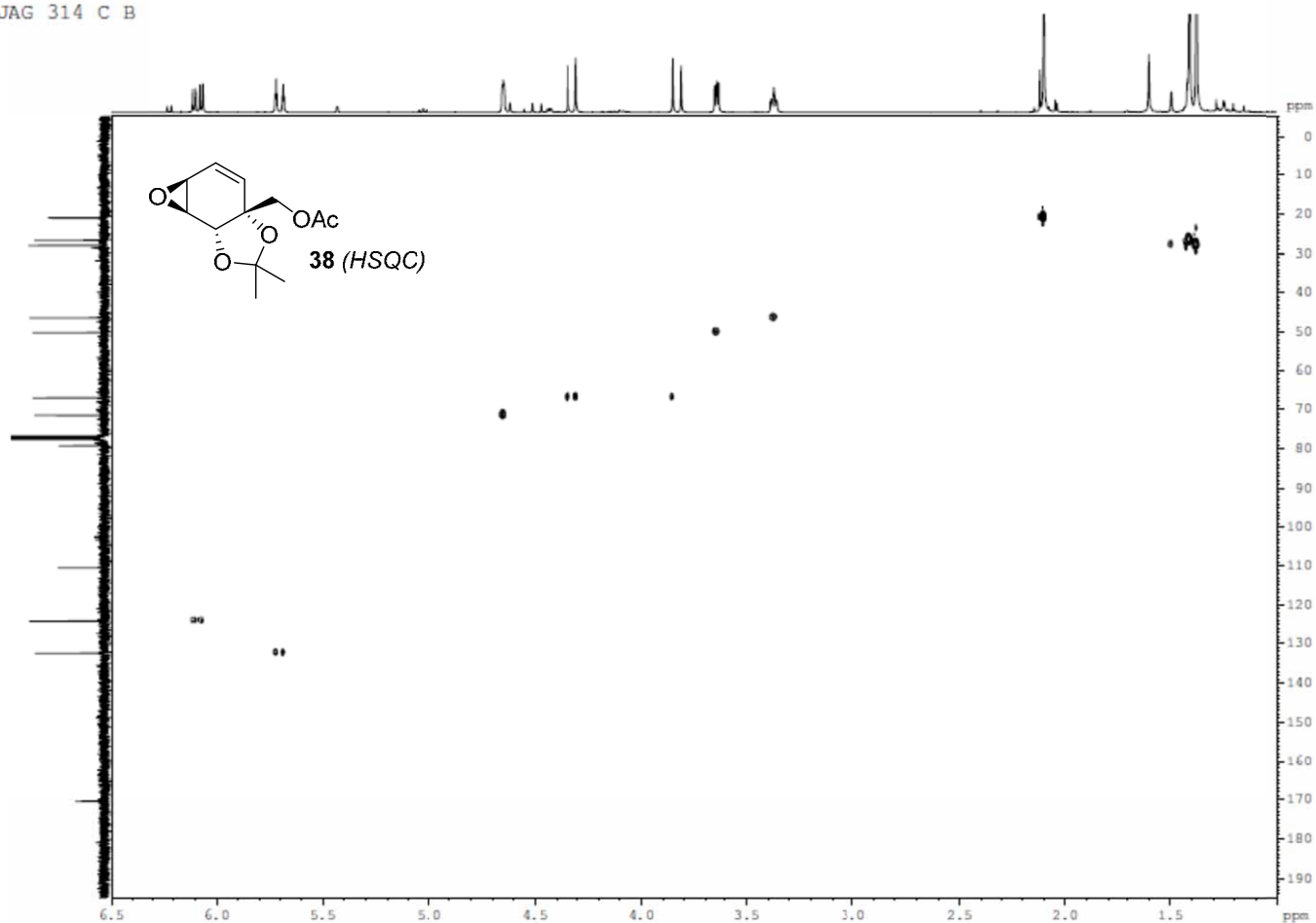




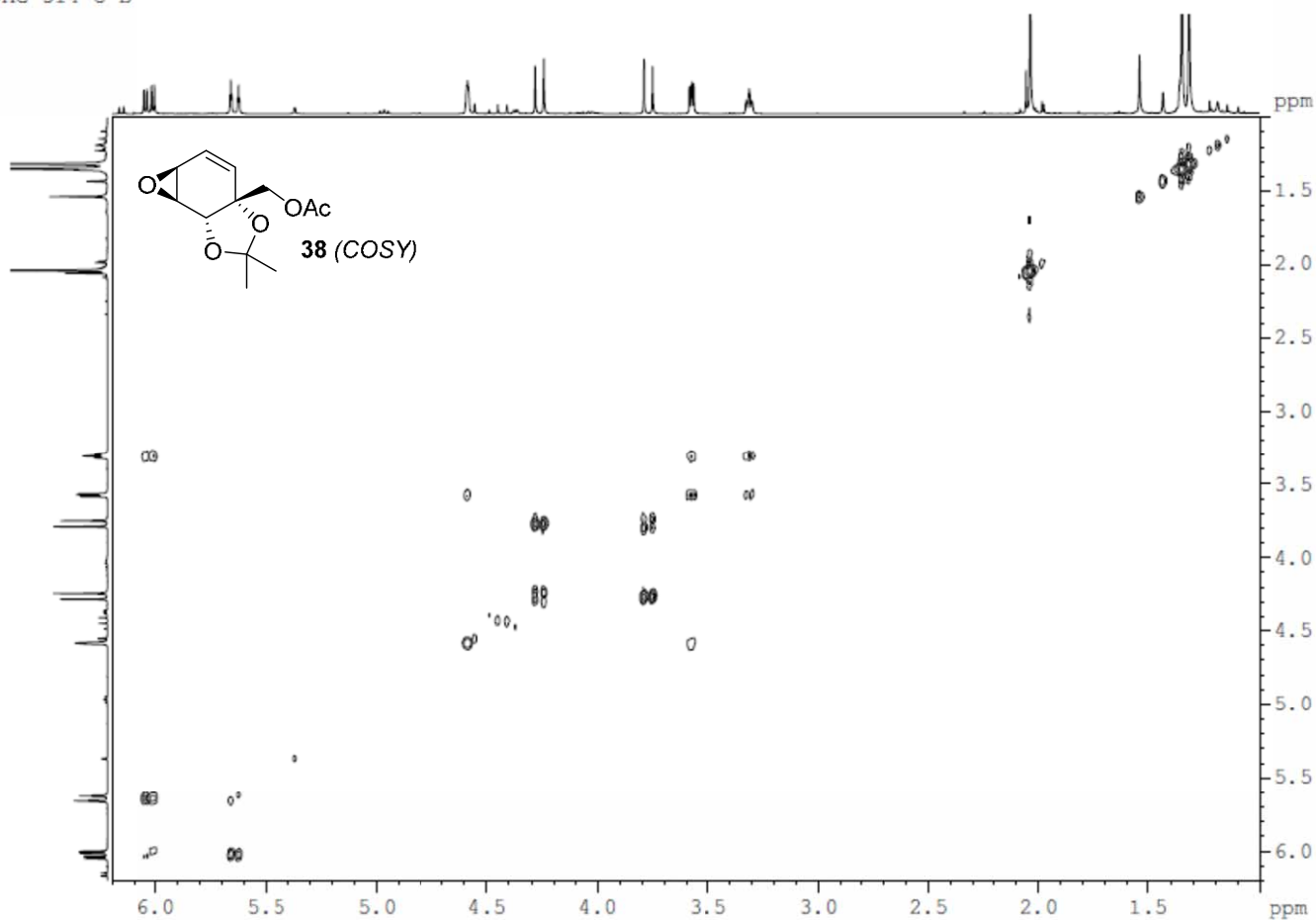




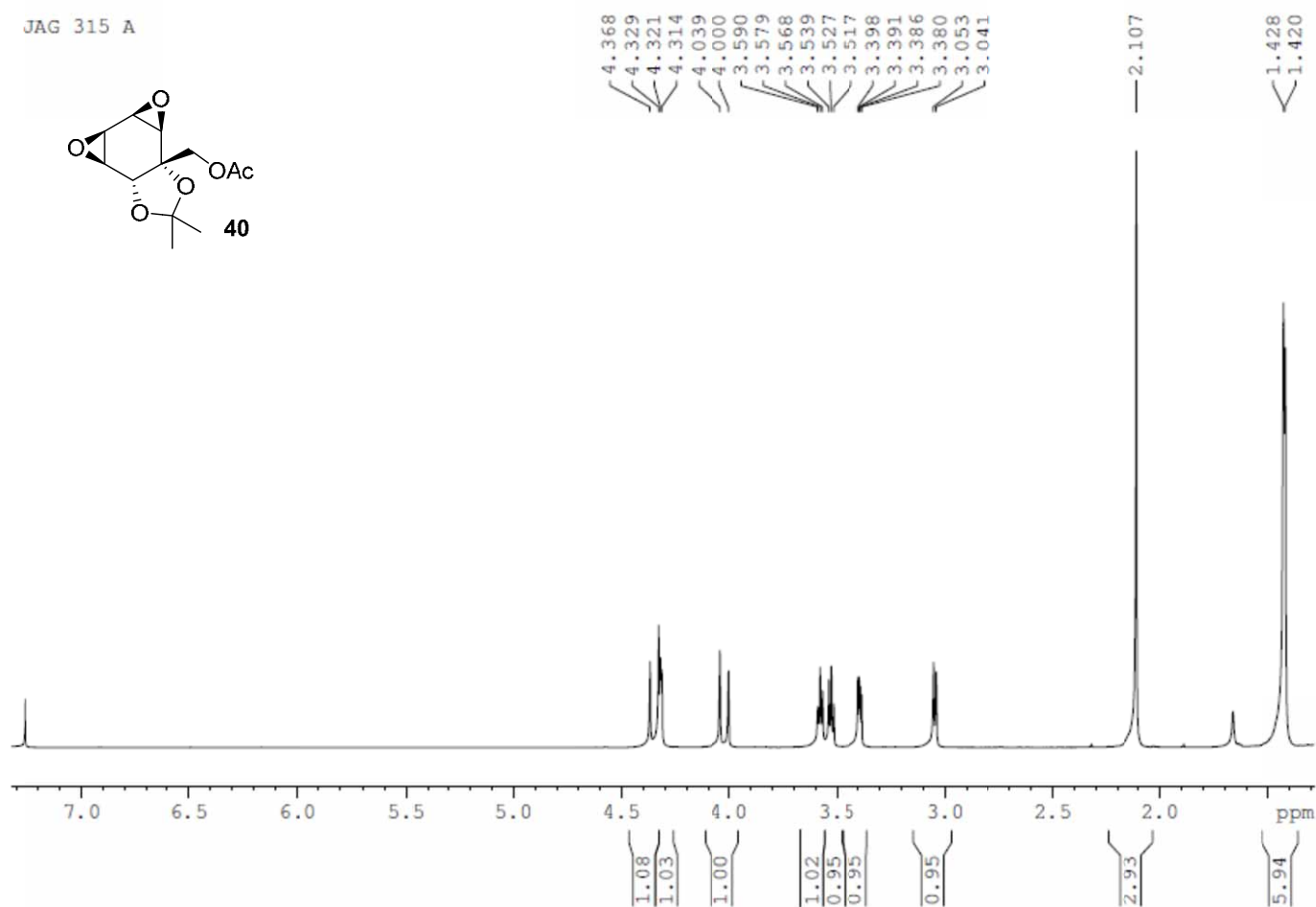
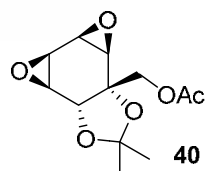
JAG 314 C B



JAG 314 C B



JAG 315 A



— 170.41

JAG 315 A

— 110.42

— 78.15

— 71.92

— 65.54

— 51.50

— 50.86

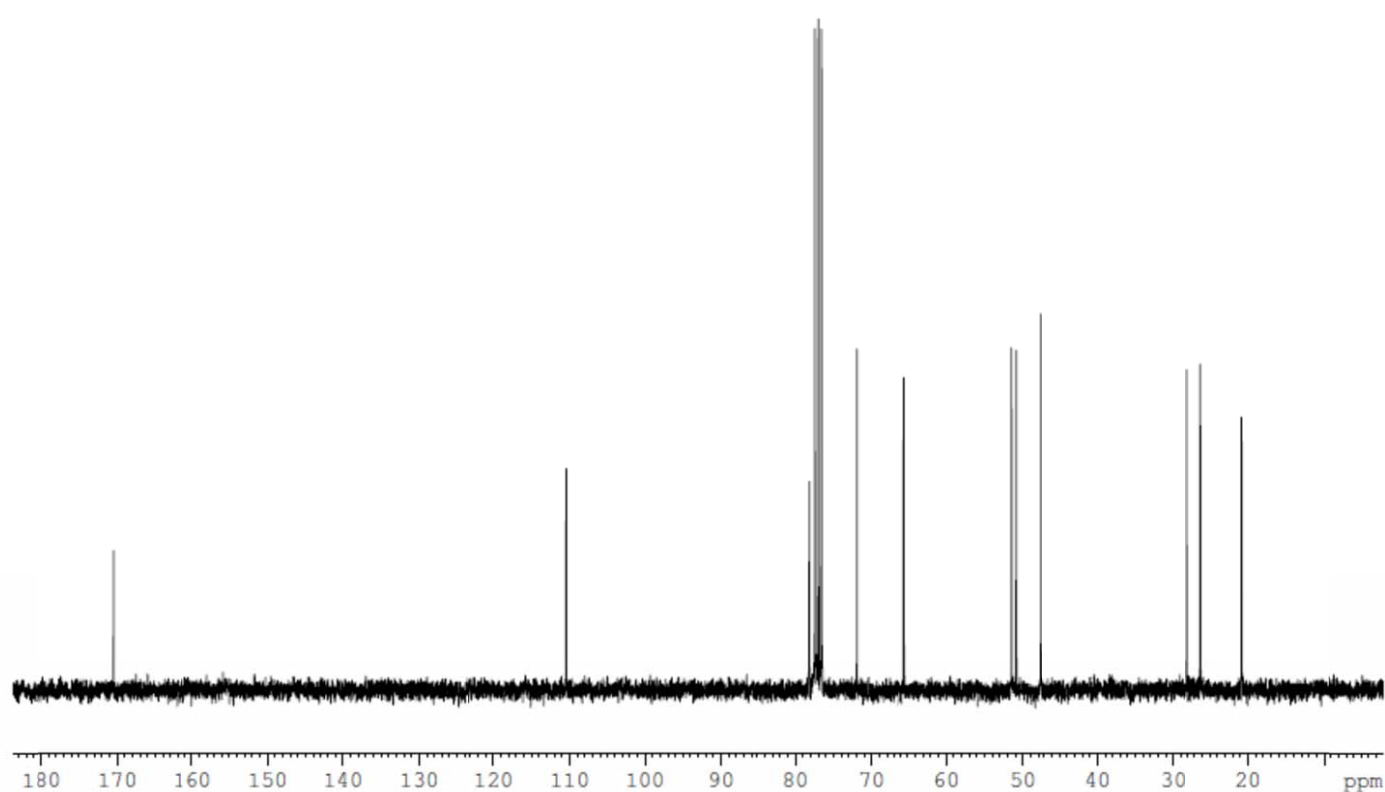
— 47.64

— 47.61

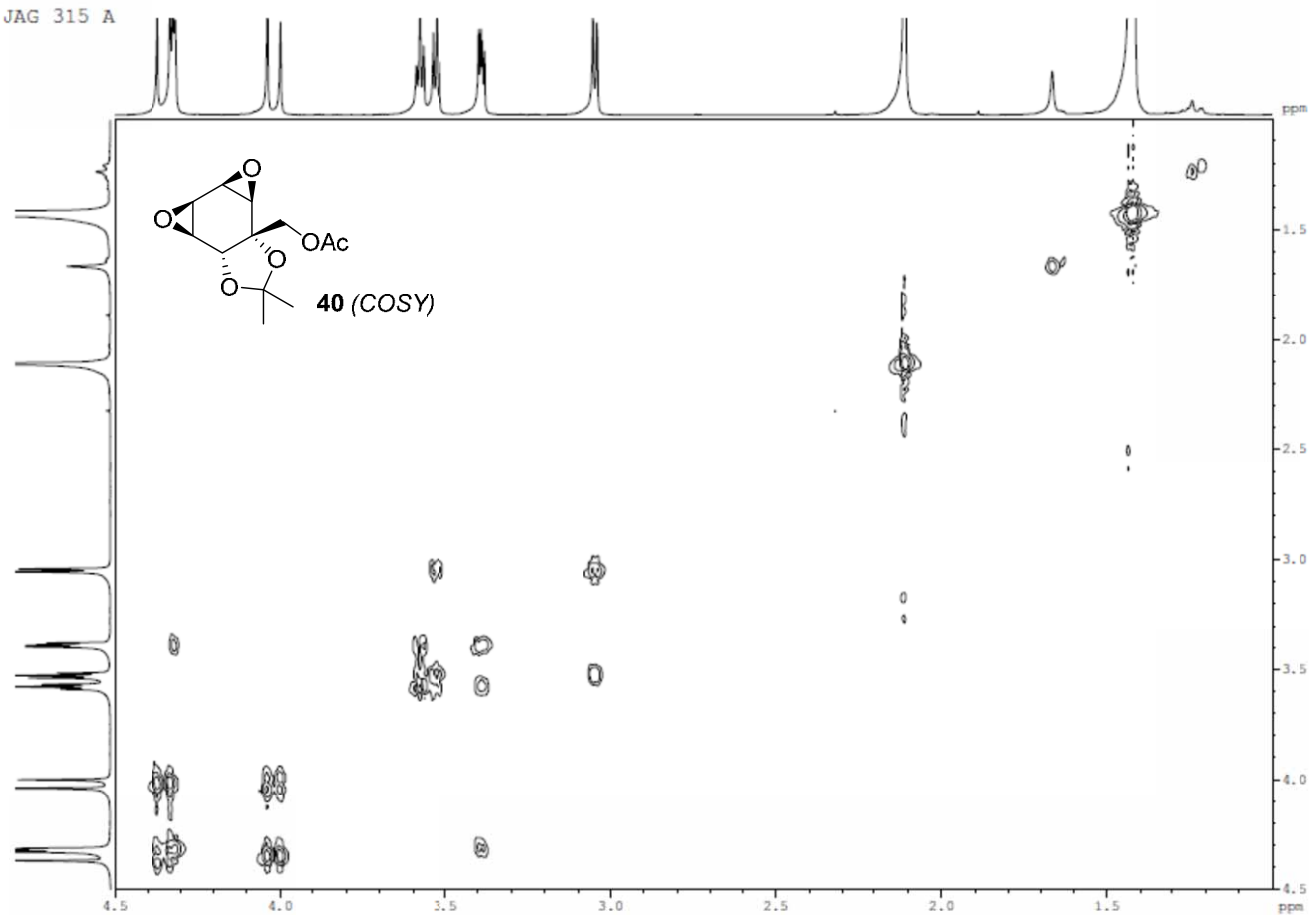
— 28.04

— 26.24

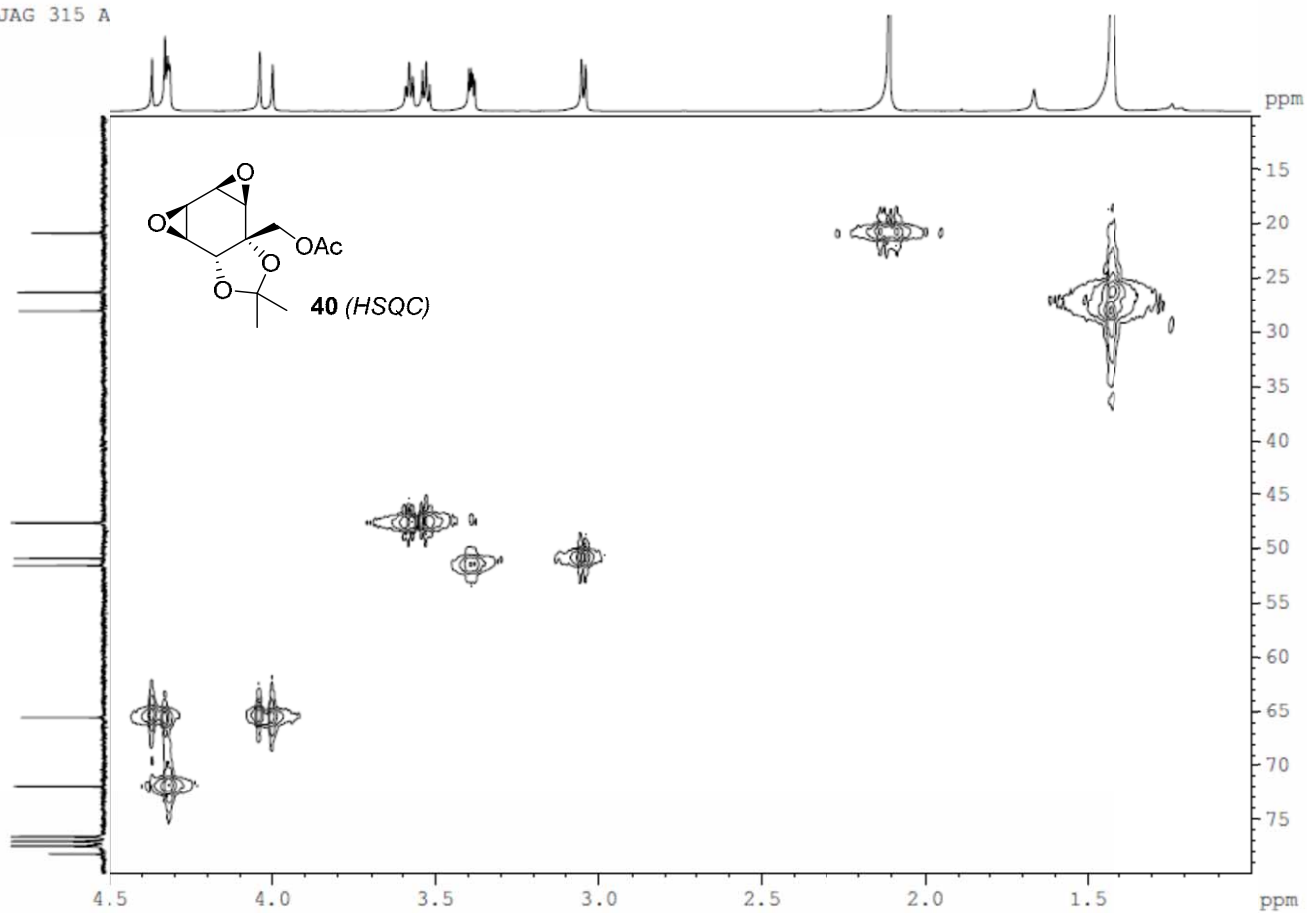
— 20.81

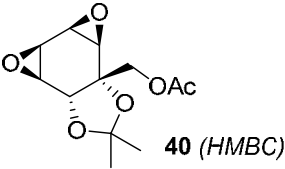


JAG 315 A

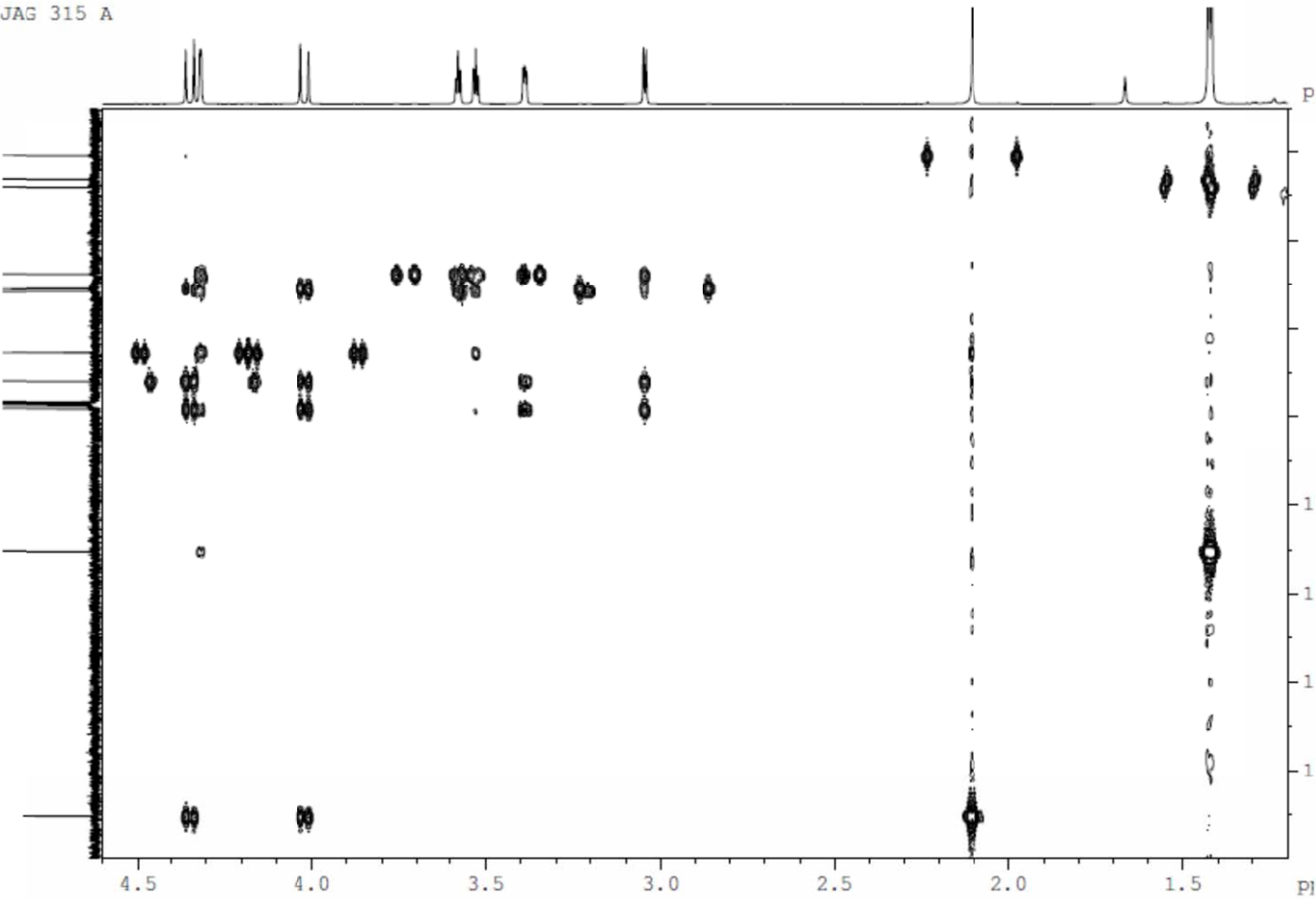


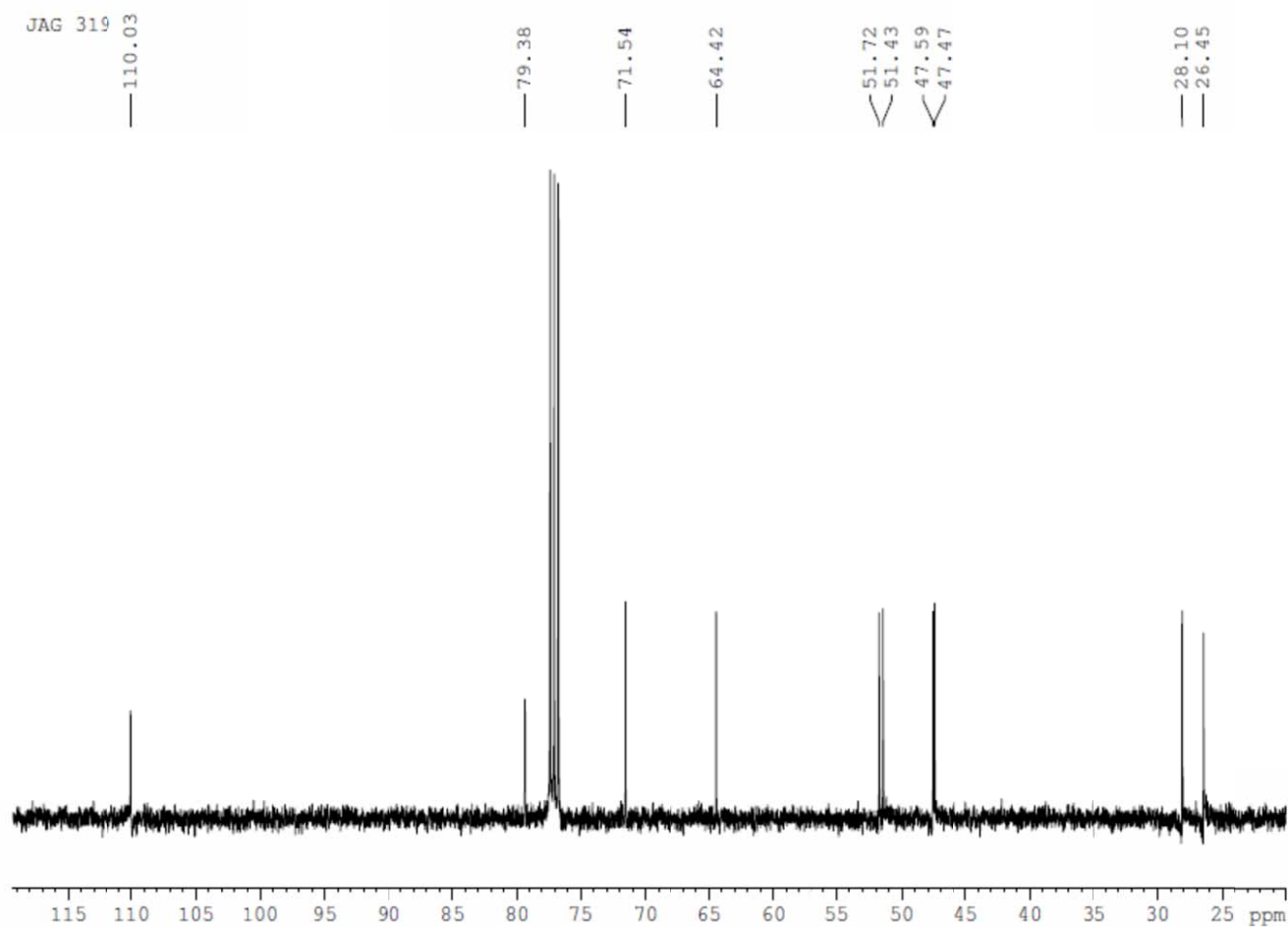
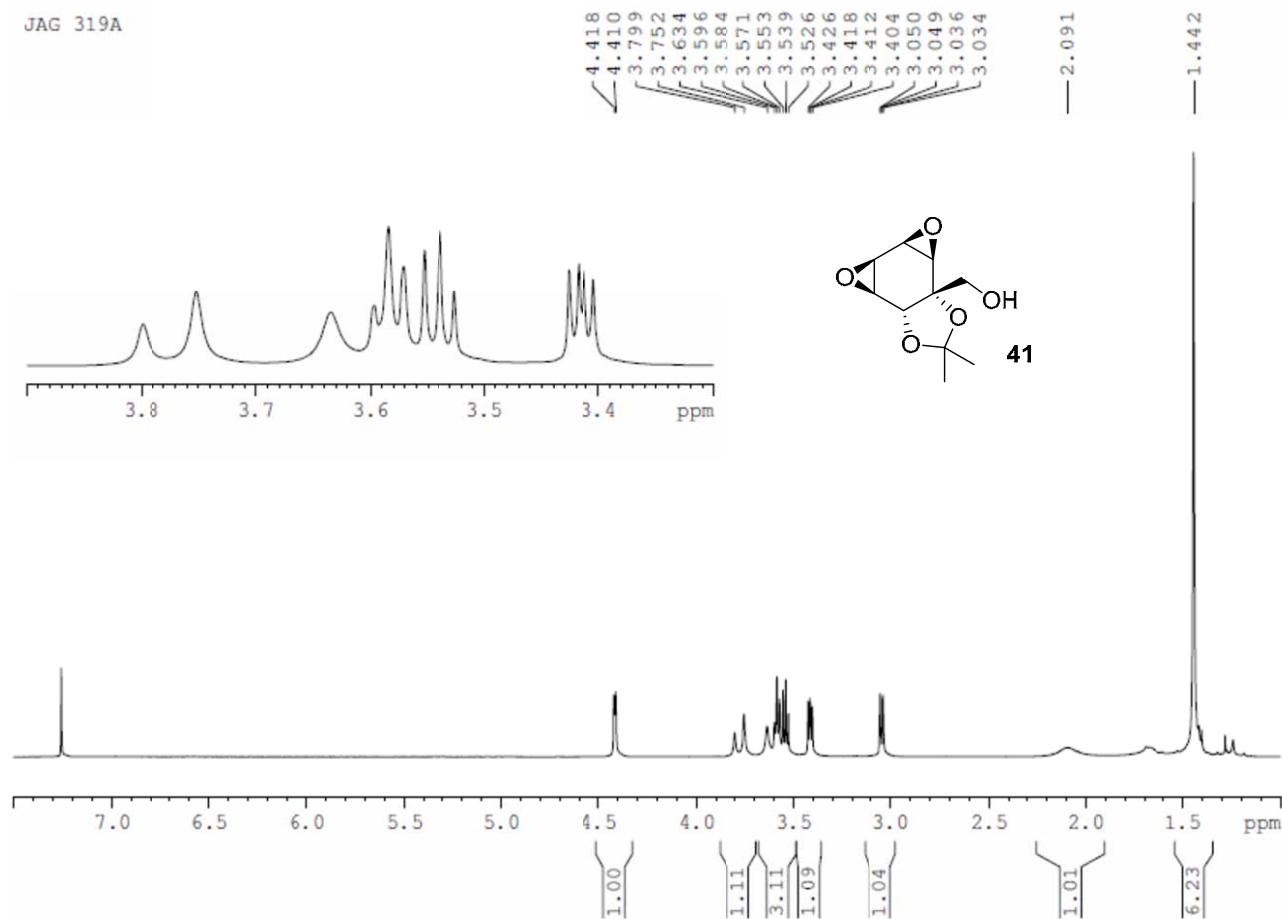
JAG 315 A



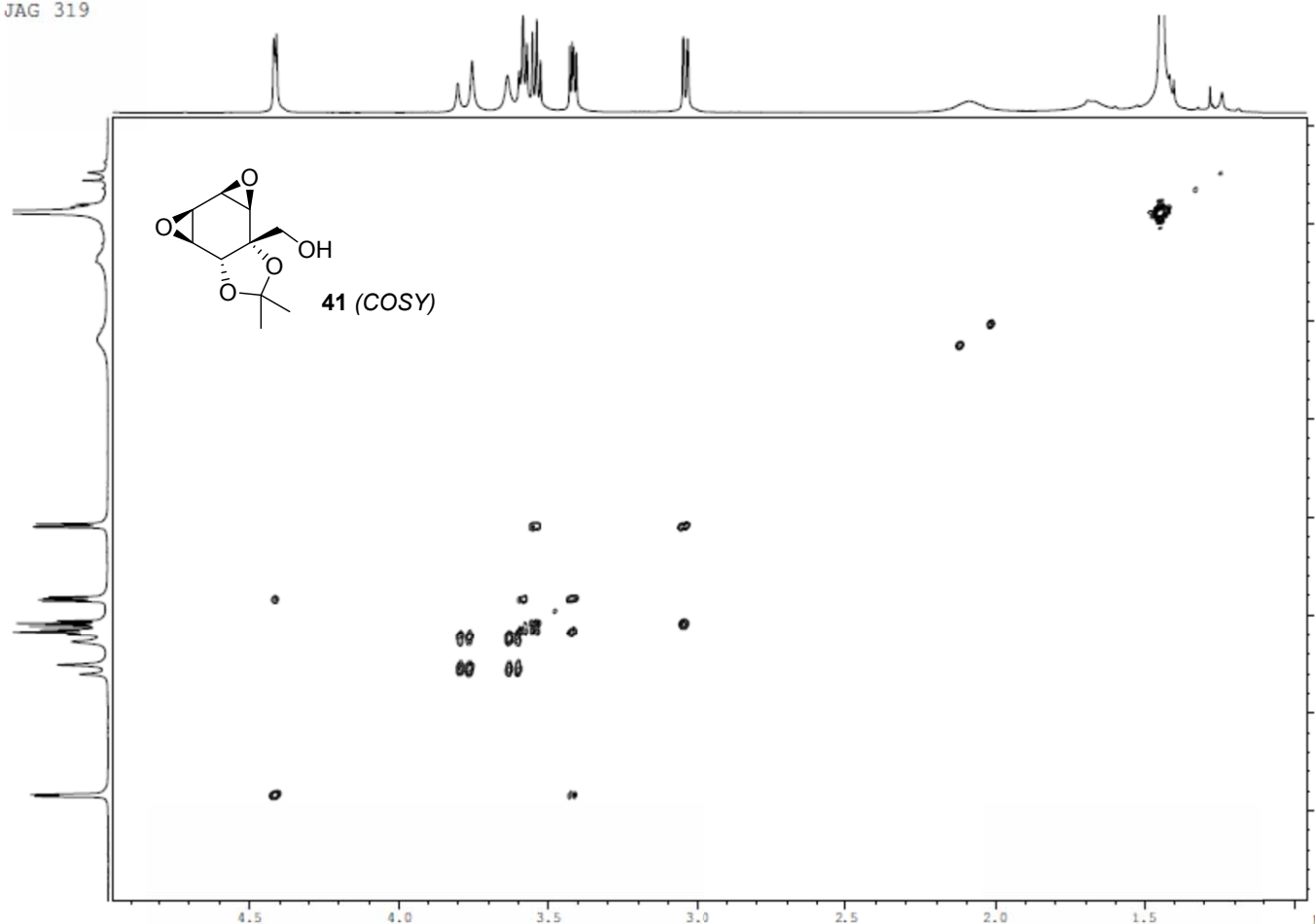


JAG 315 A





JAG 319



JAG 319

