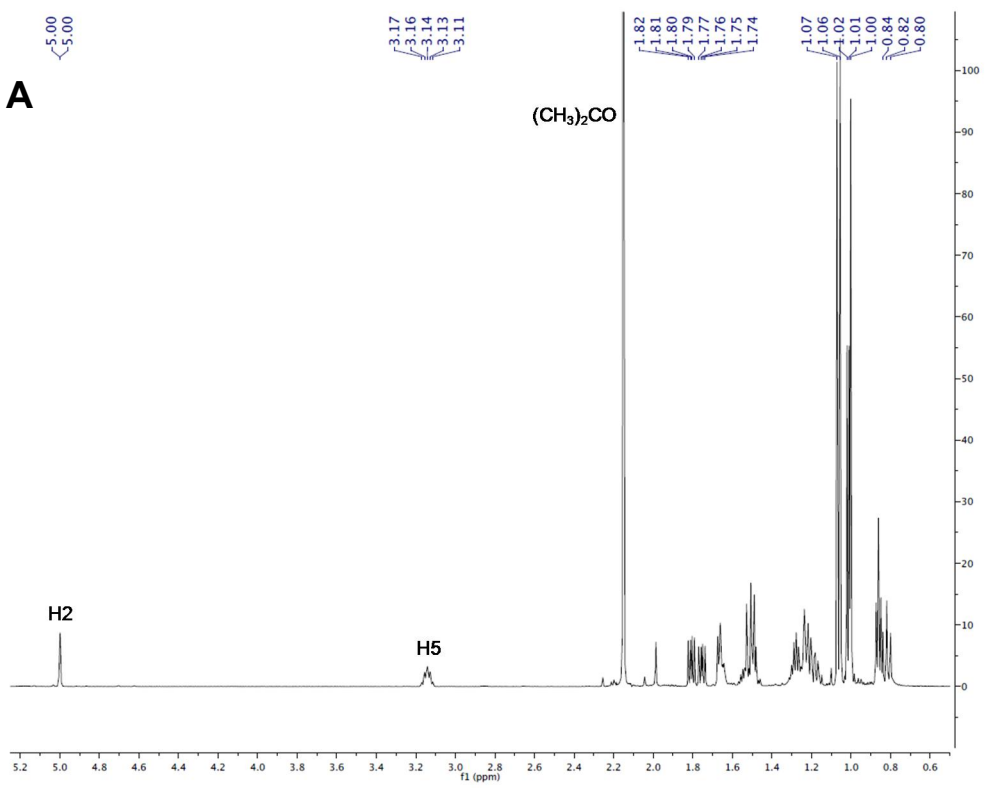
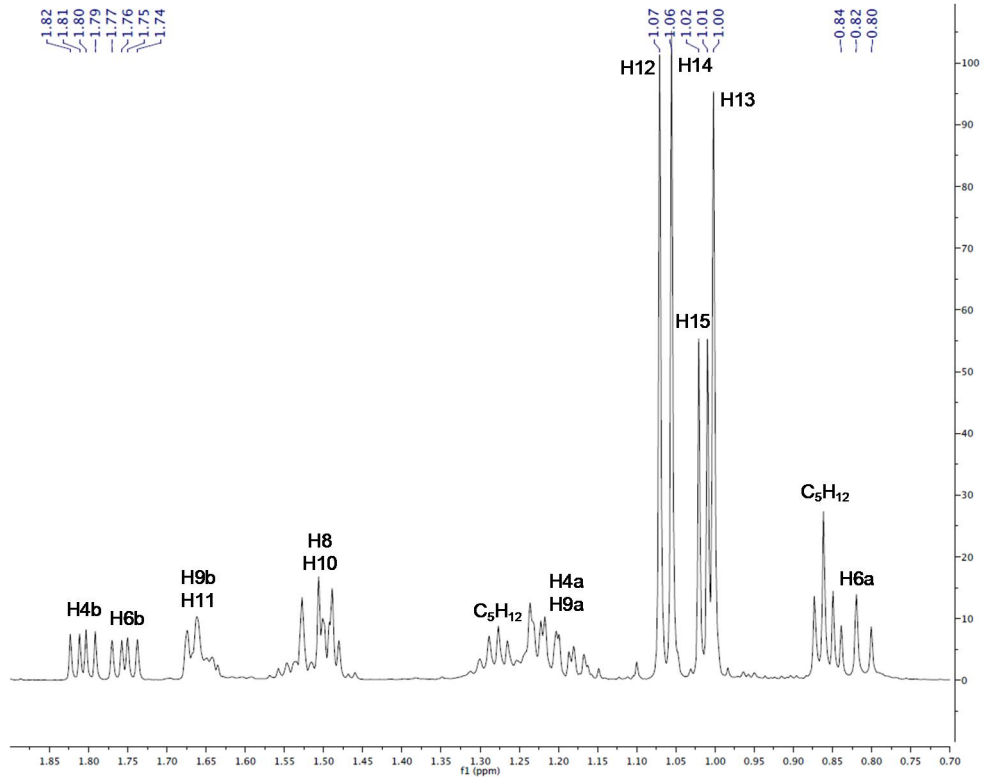
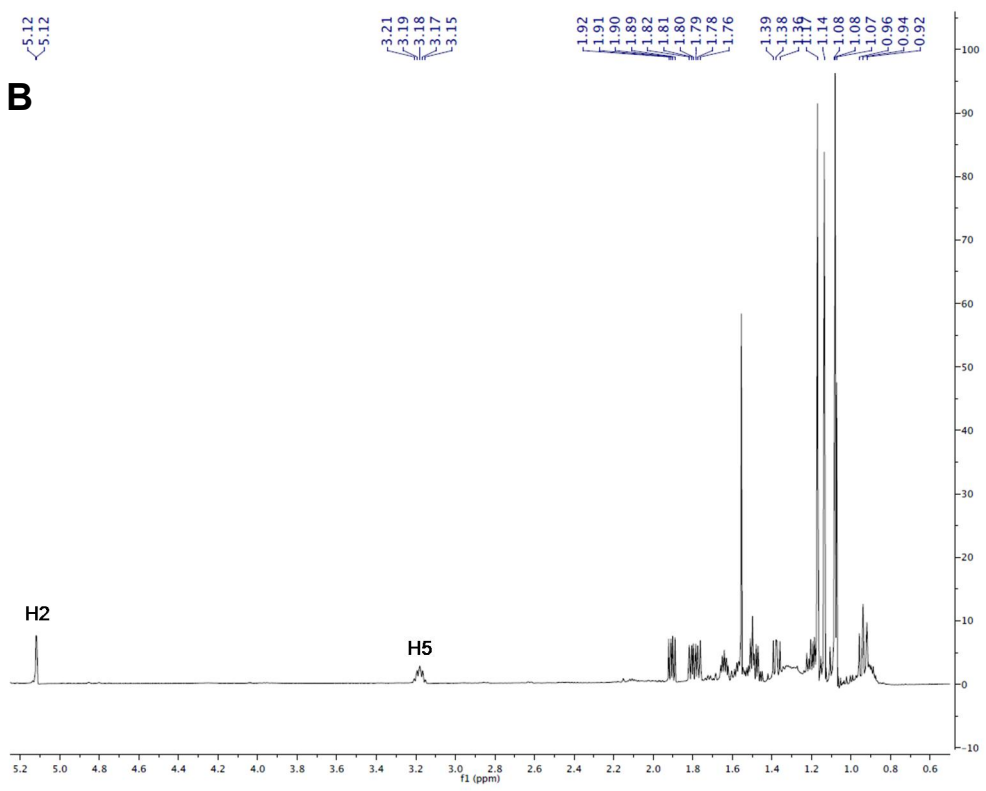
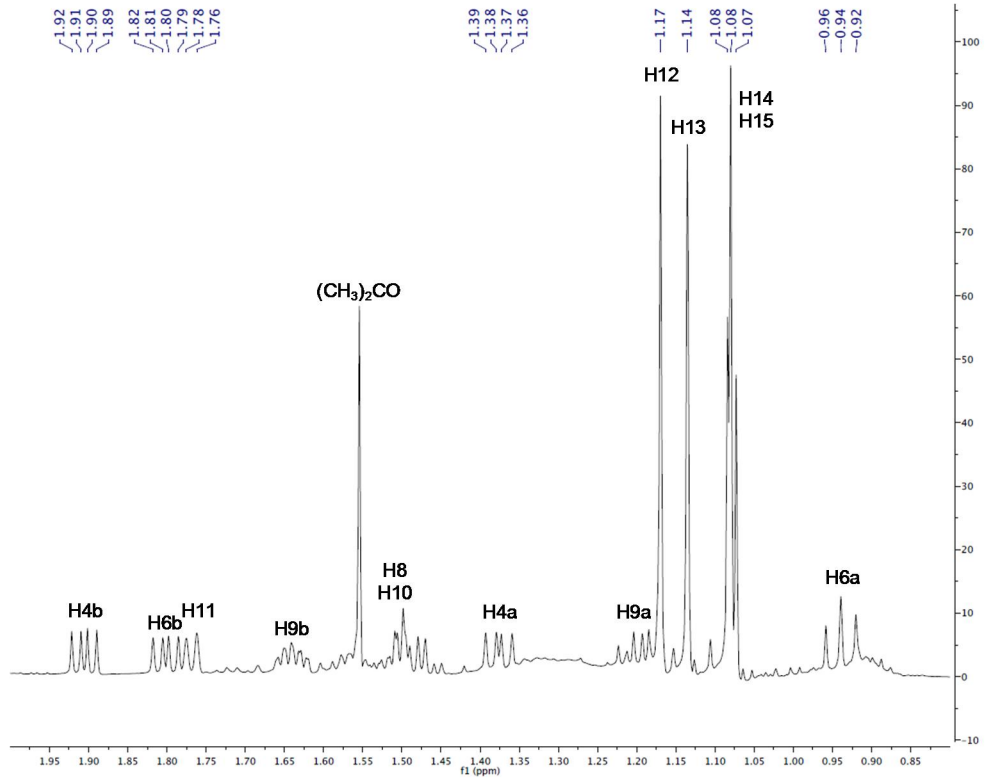
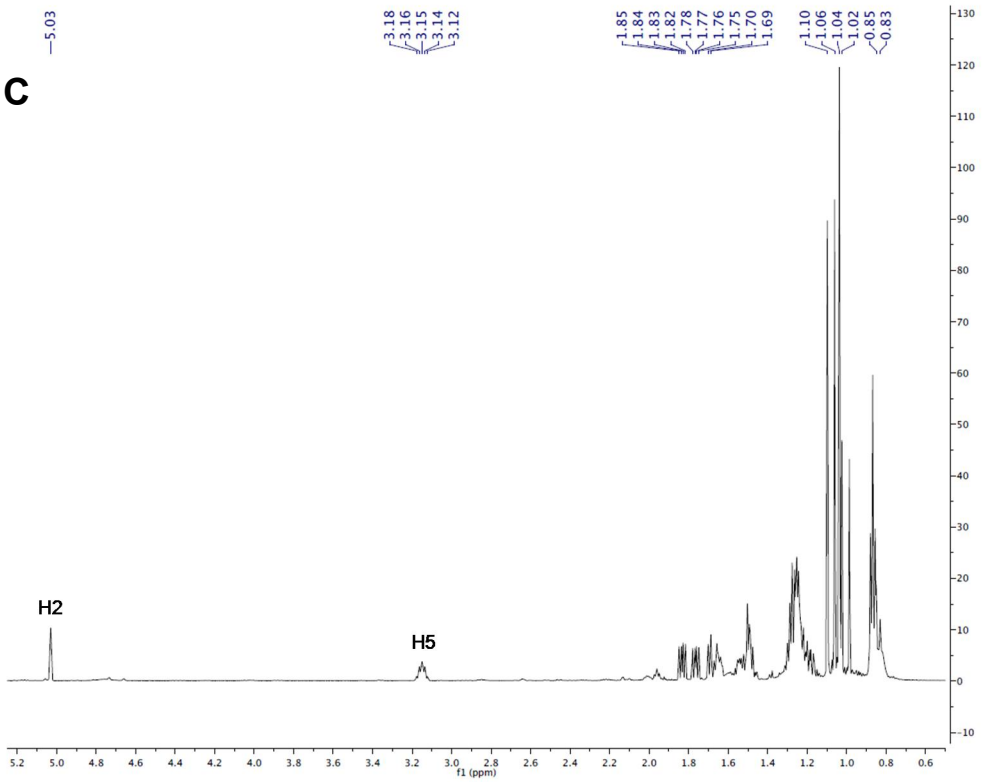

A
(CH3)2CO
H2
H5
f1 (ppm)

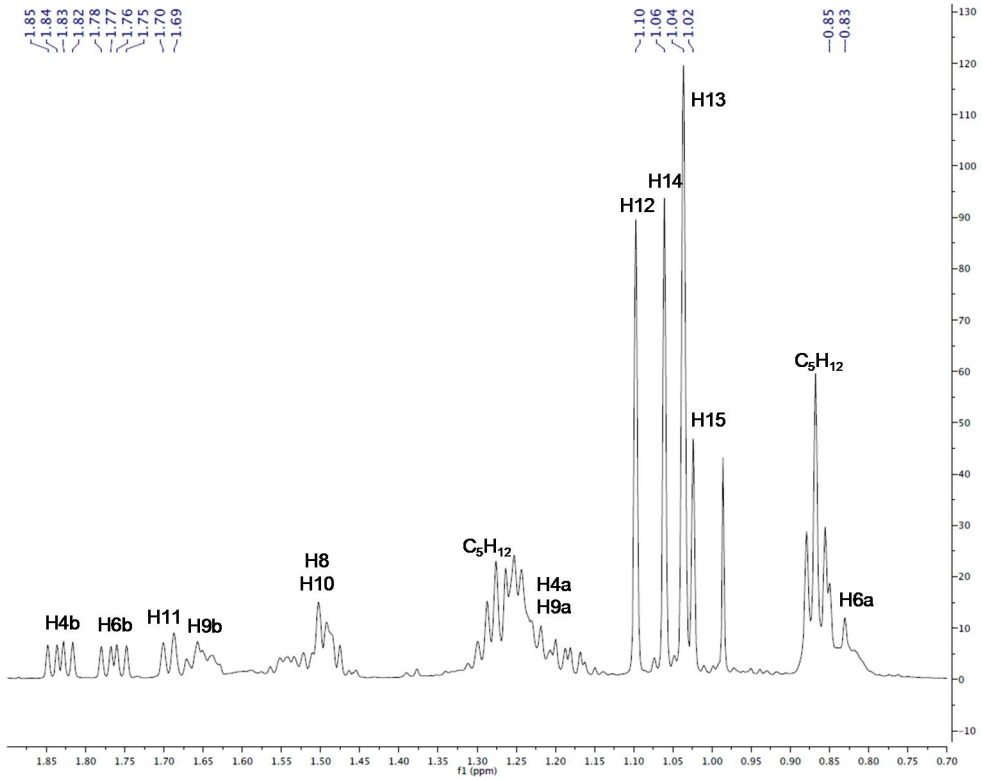

H12
H14
H13
H15
C5H12
H6a
H4b
H6b
H9b
H11
H8
H10
H4a
H9a
C5H12
f1 (ppm)


B
5.12
5.12
3.21
3.19
3.18
3.17
3.15
1.92
1.91
1.90
1.89
1.82
1.81
1.80
1.79
1.78
1.76
1.39
1.38
1.36
1.17
1.14
1.08
1.08
1.07
0.96
0.94
0.92
H2
H5
f1 (ppm)

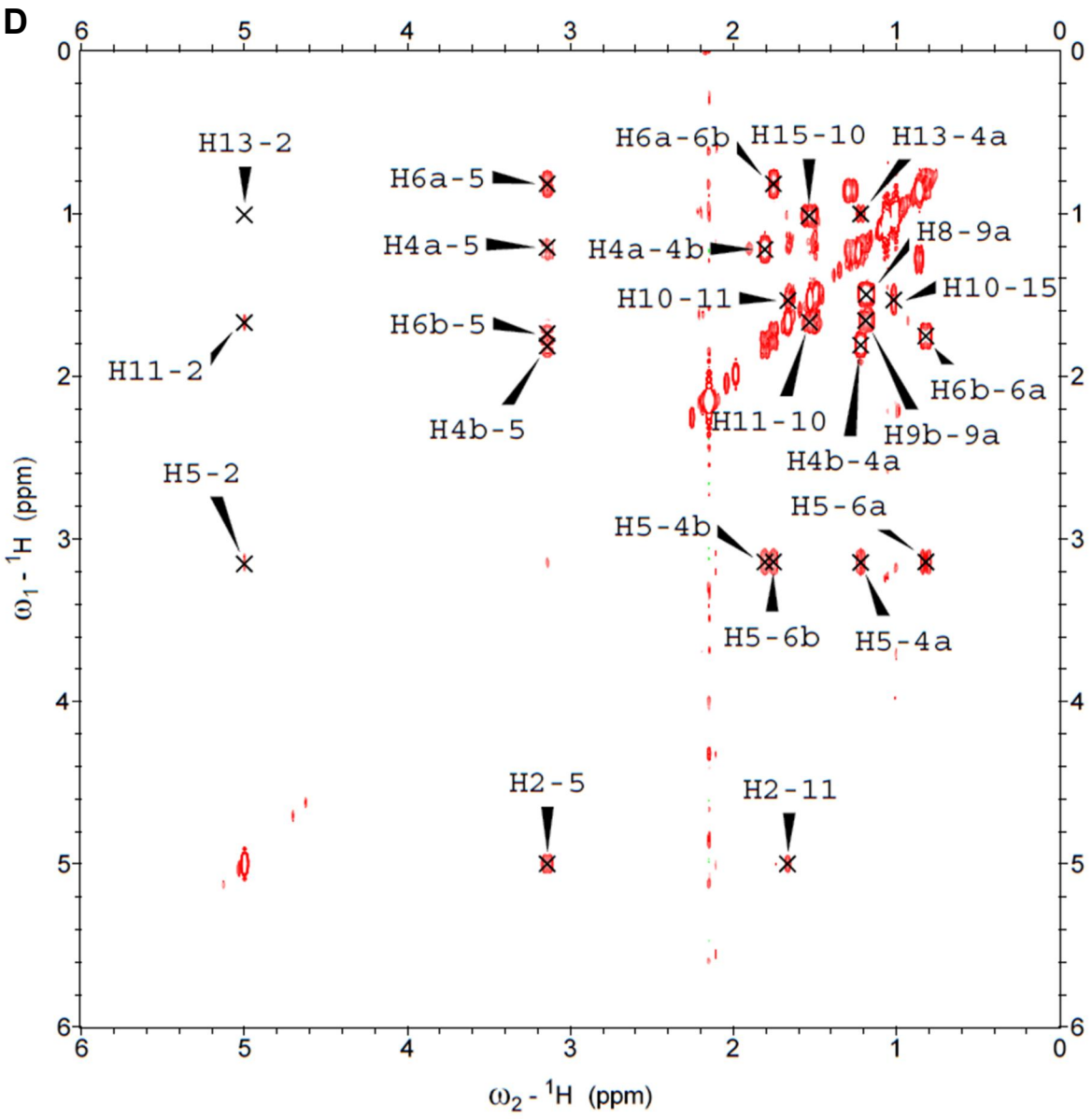

1.92
1.91
1.90
1.89
1.82
1.81
1.80
1.79
1.78
1.76
1.39
1.38
1.37
1.36
1.17
1.14
1.08
1.08
1.07
0.96
0.94
0.92
H12
H13
H14
H15
(CH3)2CO
H8
H10
H4b
H6b
H11
H9b
H4a
H9a
H6a
f1 (ppm)

C

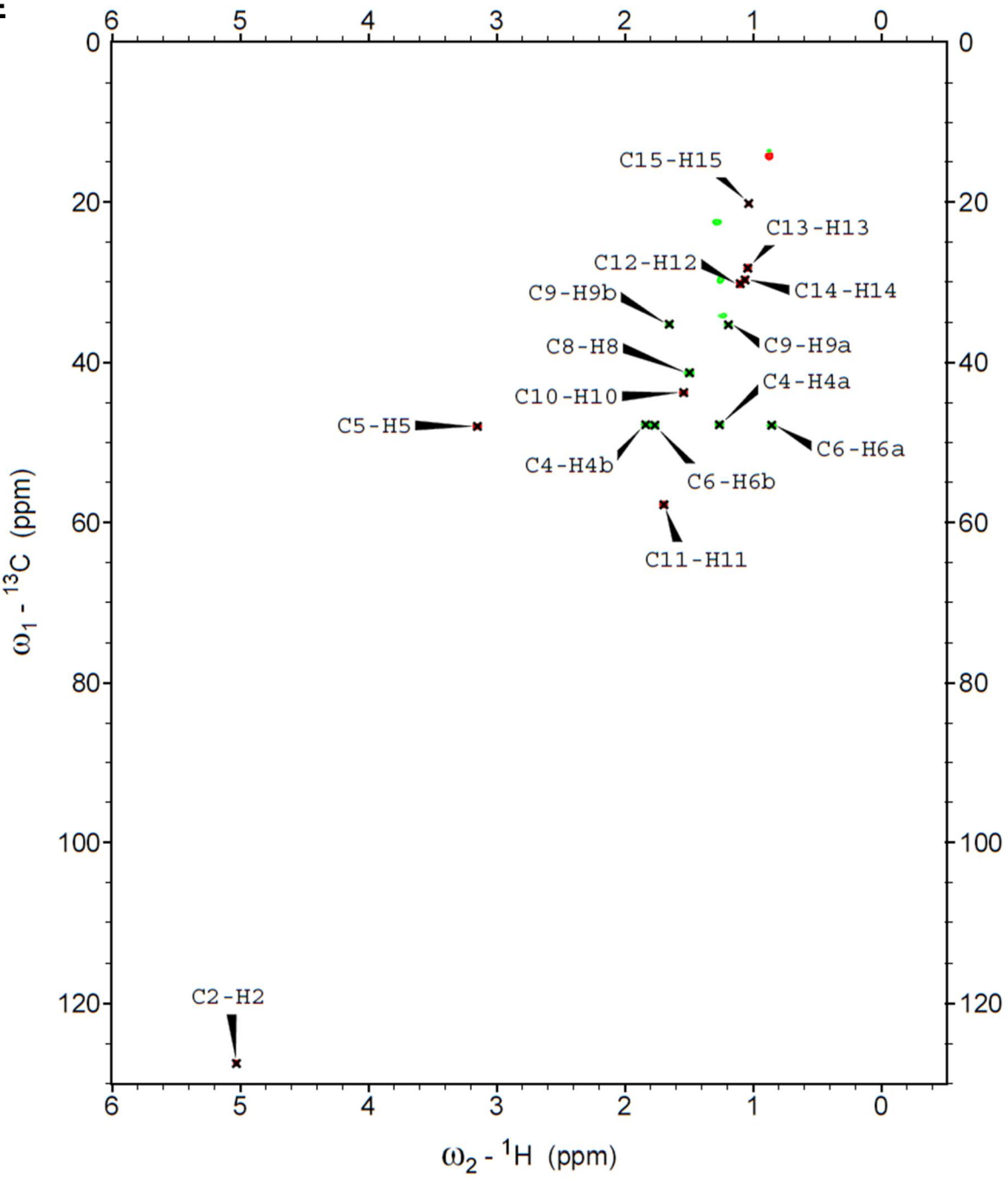

5.03
3.18
3.16
3.15
3.14
3.12
1.85
1.84
1.83
1.82
1.78
1.77
1.76
1.75
1.70
1.69
1.10
1.06
1.04
1.02
0.85
0.83
H2
H5
f1 (ppm)


1.85
1.84
1.83
1.82
1.78
1.77
1.76
1.75
1.70
1.69
1.10
1.06
1.04
1.02
0.85
0.83
H13
H14
H12
H15
C_5H_{12}
H6a
H8
H10
C_5H_{12}
H4a
H9a
H4b
H6b
H11
H9b
f1 (ppm)

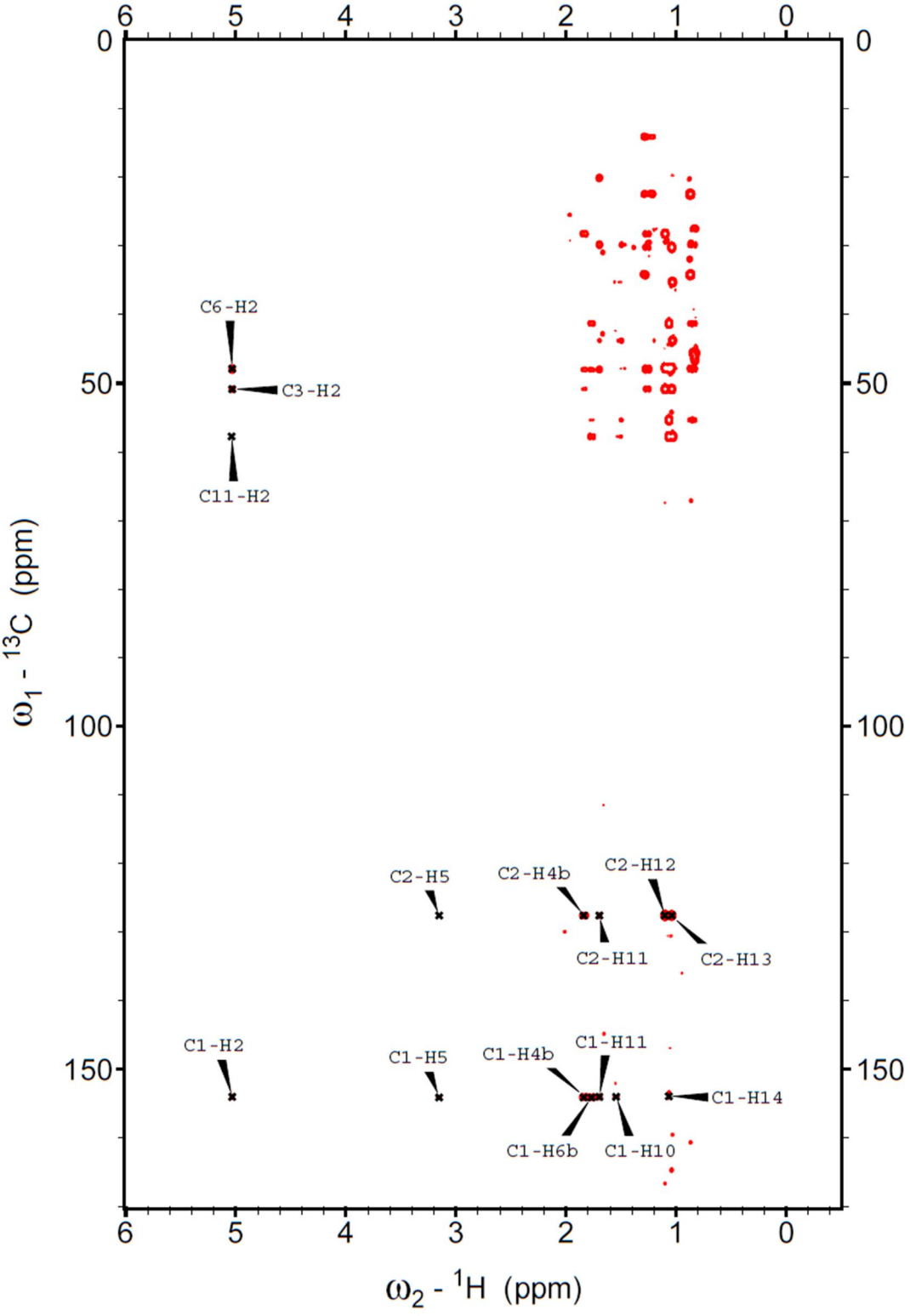
D

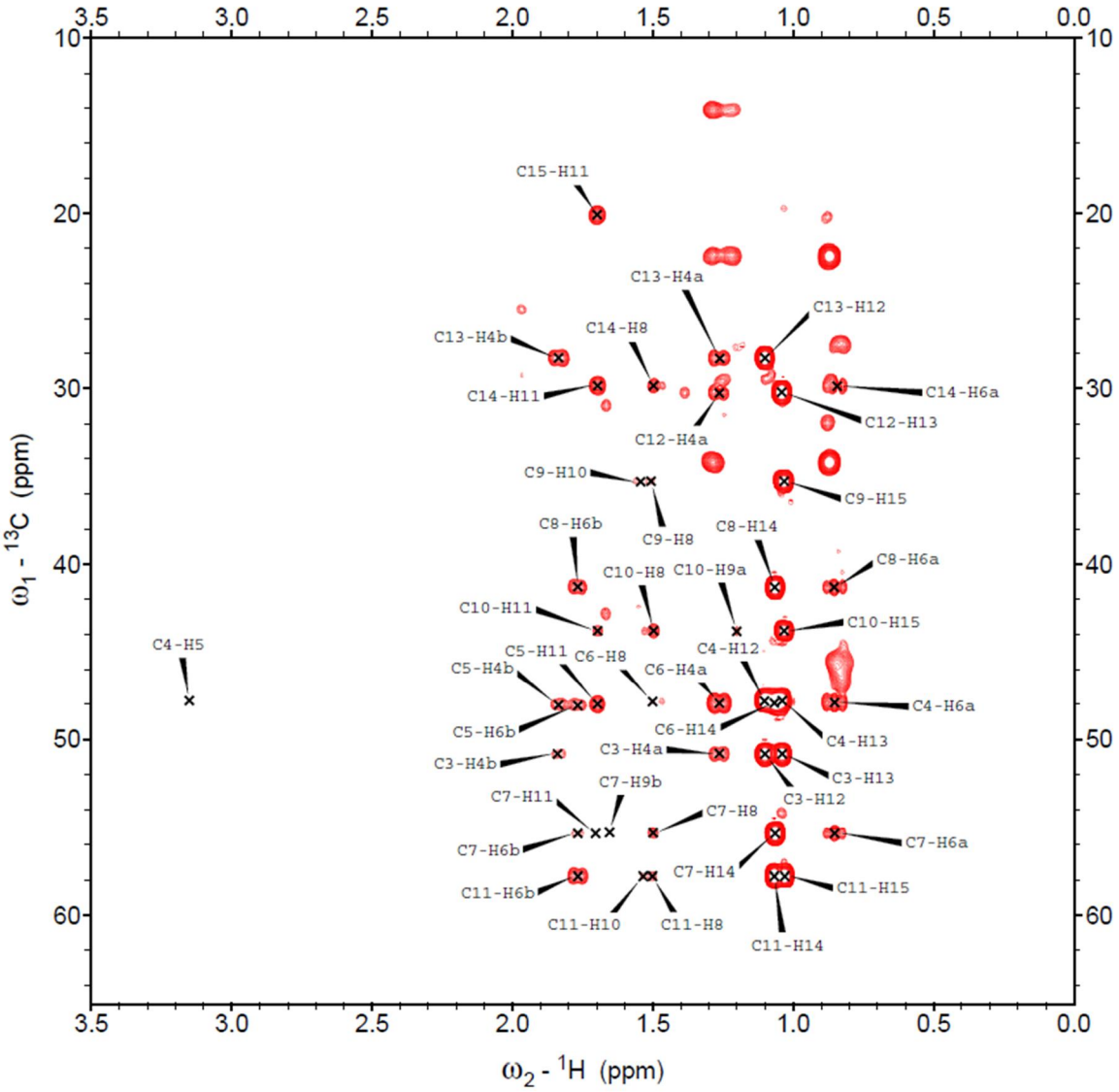

H13-2
H6a-5
H4a-5
H6b-5
H11-2
H4b-5
H5-2
H6a-6b
H15-10
H13-4a
H4a-4b
H8-9a
H10-11
H10-15
H6b-6a
H11-10
H9b-9a
H4b-4a
H5-6a
H5-4b
H5-6b
H5-4a
H2-5
H2-11
ω1 - 1H (ppm)
ω2 - 1H (ppm)

E


C15-H15
C13-H13
C12-H12
C14-H14
C9-H9b
C9-H9a
C8-H8
C4-H4a
C10-H10
C5-H5
C6-H6a
C4-H4b
C6-H6b
C11-H11
C2-H2
ω_1 - ^{13}C (ppm)
ω_2 - ^{1}H (ppm)

F


C6-H2
C3-H2
C11-H2
C2-H5
C2-H4b
C2-H12
C2-H11
C2-H13
C1-H2
C1-H5
C1-H4b
C1-H11
C1-H14
C1-H6b
C1-H10
ω_1 - ^{13}C (ppm)
ω_2 - ^{1}H (ppm)



Dataset S1. NMR spectra of Cucumene. (A) ^{1}H NMR spectrum in $CDCl_3$. (B) ^{1}H NMR spectrum in C_6D_6. (C) ^{1}H NMR spectrum in $CDCl_3$ and C_6D_6 (3:1). (D) 2D-COSY NMR spectrum in $CDCl_3$. (E) 2D-HSQC NMR spectrum in $CDCl_3$ and C_6D_6 (3:1). (F) 2D-HMBC NMR spectrum in $CDCl_3$ and C_6D_6 (3:1).