Supporting information of

«Blockwise approach to fragments of the O-specific polysaccharide of *Shigella flexneri* serotype 2a: Convergent synthesis of a decasaccharide representative of a dimer of the branched repeating unit»

Frédéric Bélot, Karen Wright, Corina Costachel, Armelle Phalipon, Laurence A. Mulard

SUPPORTING INFORMATION OF 1

^{1}H SPECTRUM OF COMPOUND 8 7

^{1}H-^{1}H NMR 2D-CORRELATION SPECTRUM OF COMPOUND 8 8

^{13}C NMR SPECTRUM OF COMPOUND 8 9

^{13}C (DEPT) NMR SPECTRUM OF COMPOUND 8 10

^{1}H-^{13}C NMR 2D-CORRELATION SPECTRUM OF COMPOUND 8 11

^{1}H SPECTRUM OF COMPOUND 17 12

^{1}H-^{1}H NMR 2D-CORRELATION SPECTRUM OF COMPOUND 17 13

^{13}C NMR SPECTRUM OF COMPOUND 17 14

^{13}C (DEPT) NMR SPECTRUM OF COMPOUND 17 15

^{1}H-^{13}C NMR 2D-CORRELATION SPECTRUM OF COMPOUND 17 16

^{1}H SPECTRUM OF COMPOUND 18 17

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^{13}C NMR SPECTRUM OF COMPOUND 18 19

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^{1}H SPECTRUM OF COMPOUND 6 22

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^{13}C NMR SPECTRUM OF COMPOUND 6 24

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^{1}H SPECTRUM OF COMPOUND 19 27

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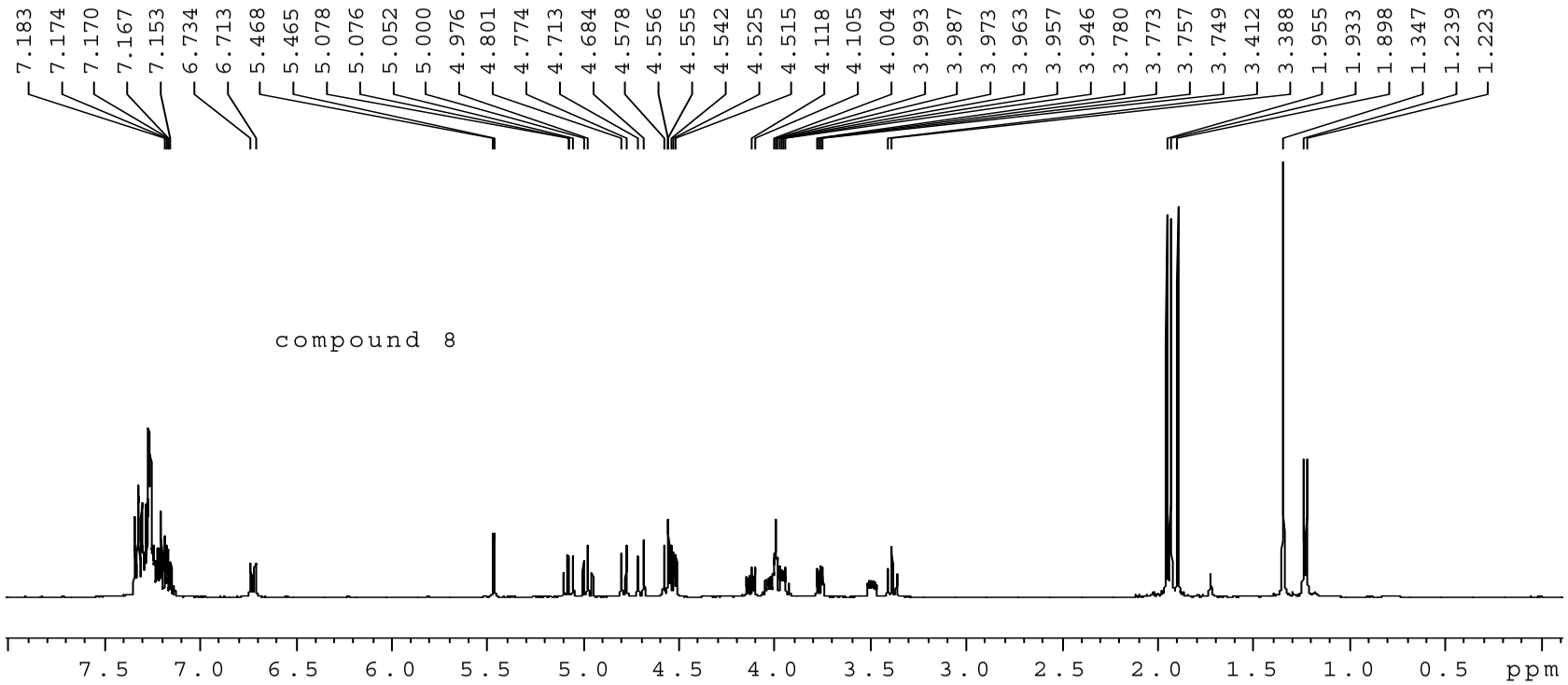
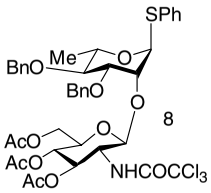
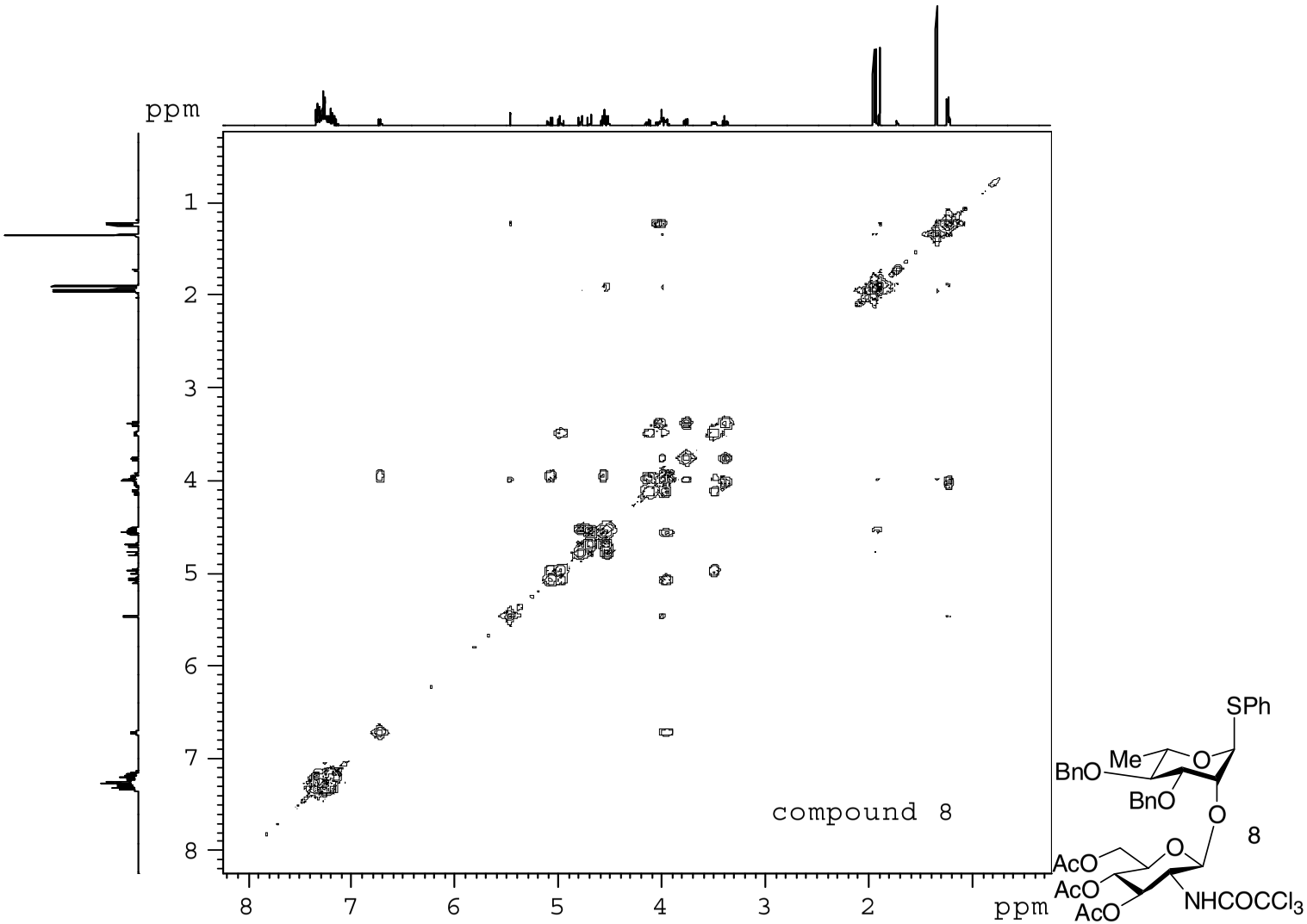
^{1}H spectrum of compound 8





^{1}H-^{1}H NMR 2D-correlation spectrum of compound 8



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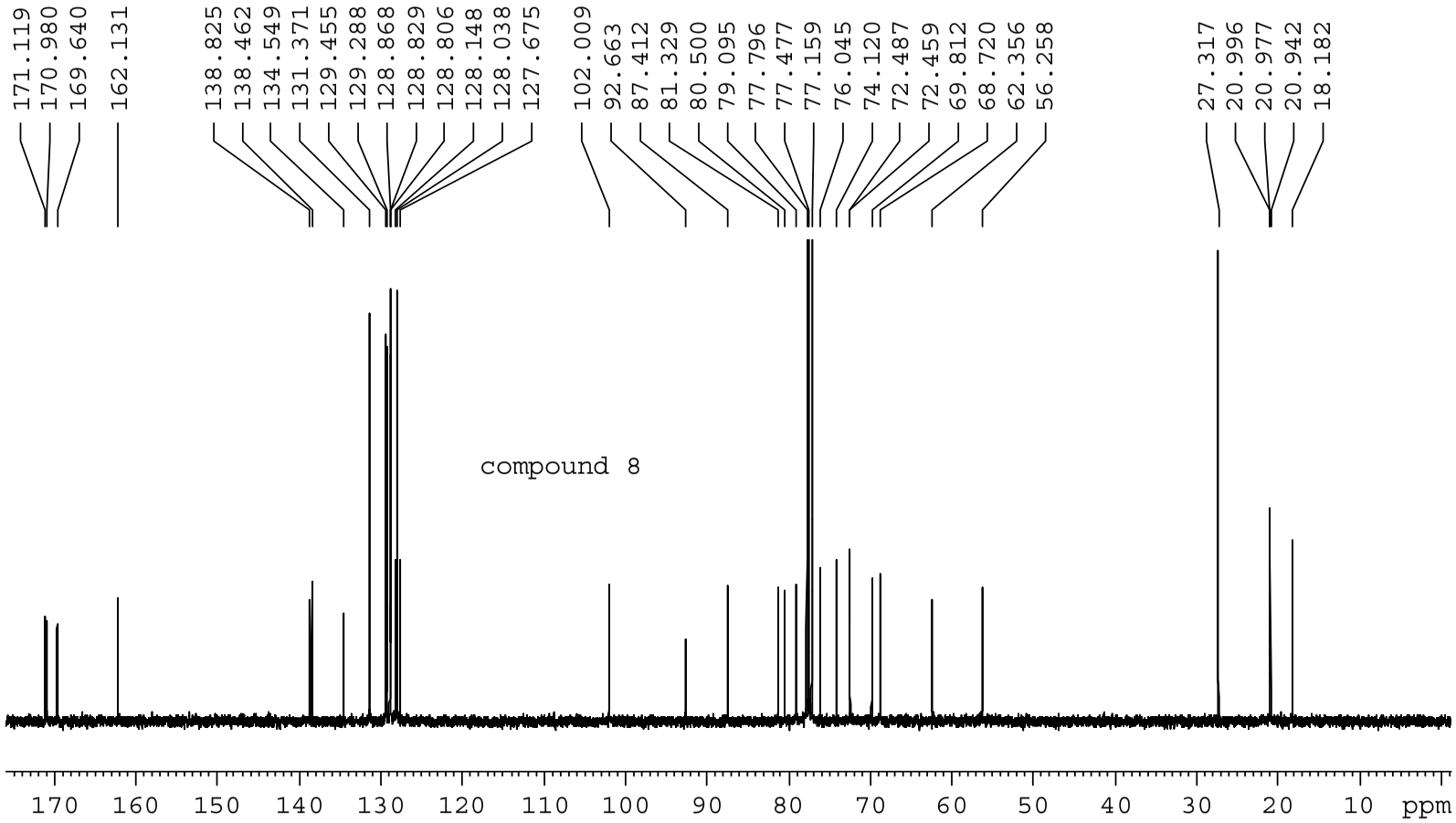

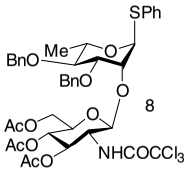

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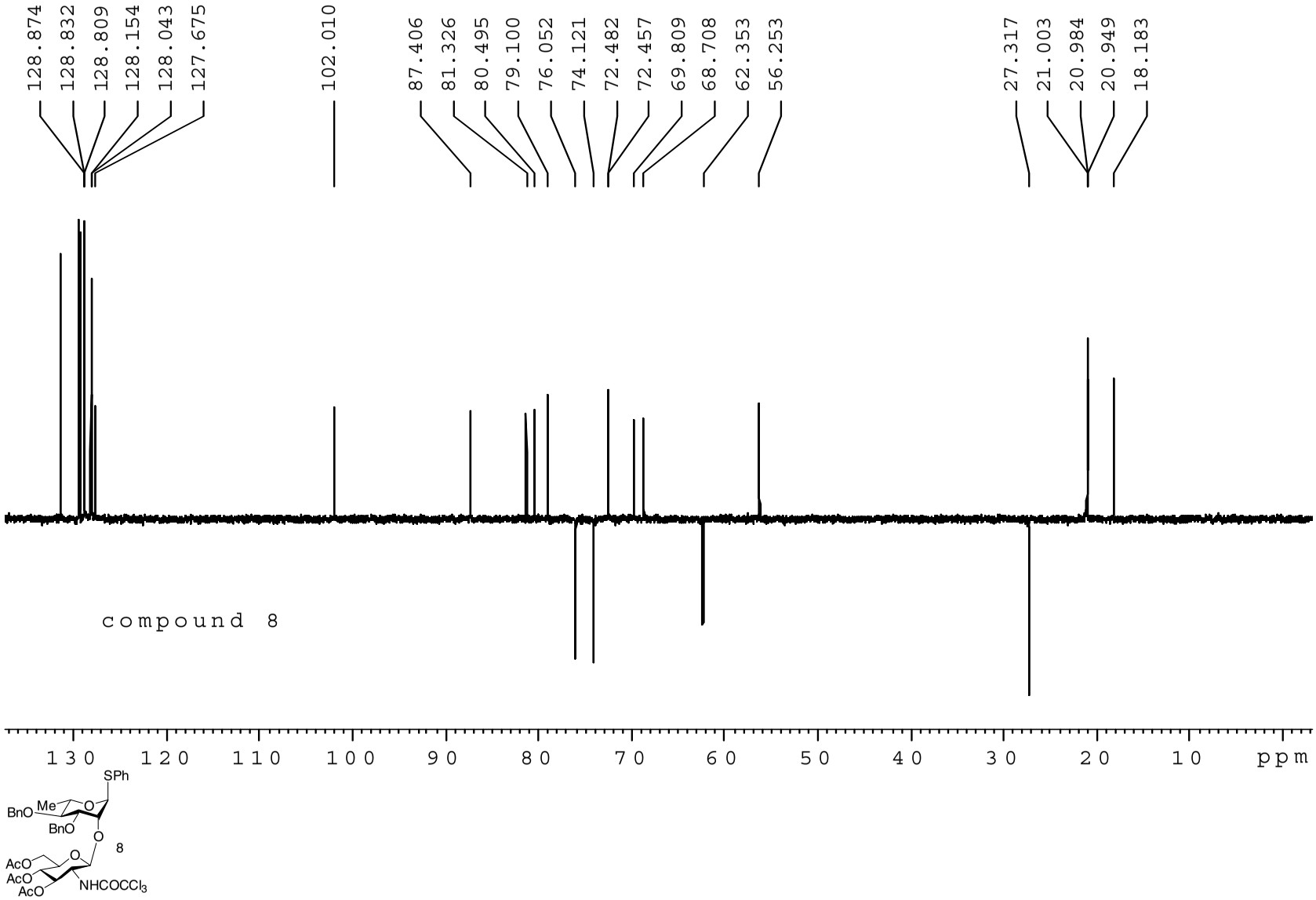
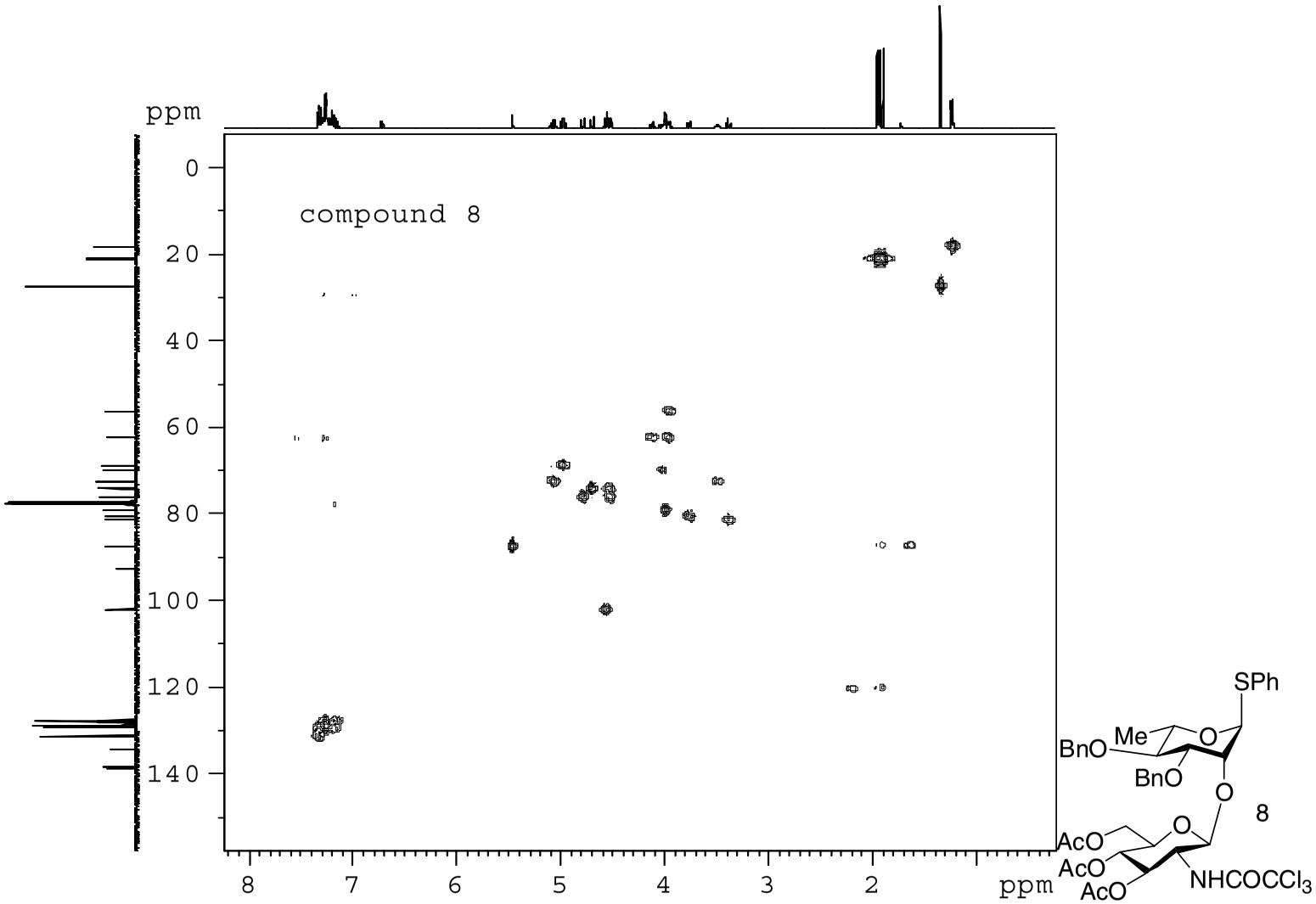
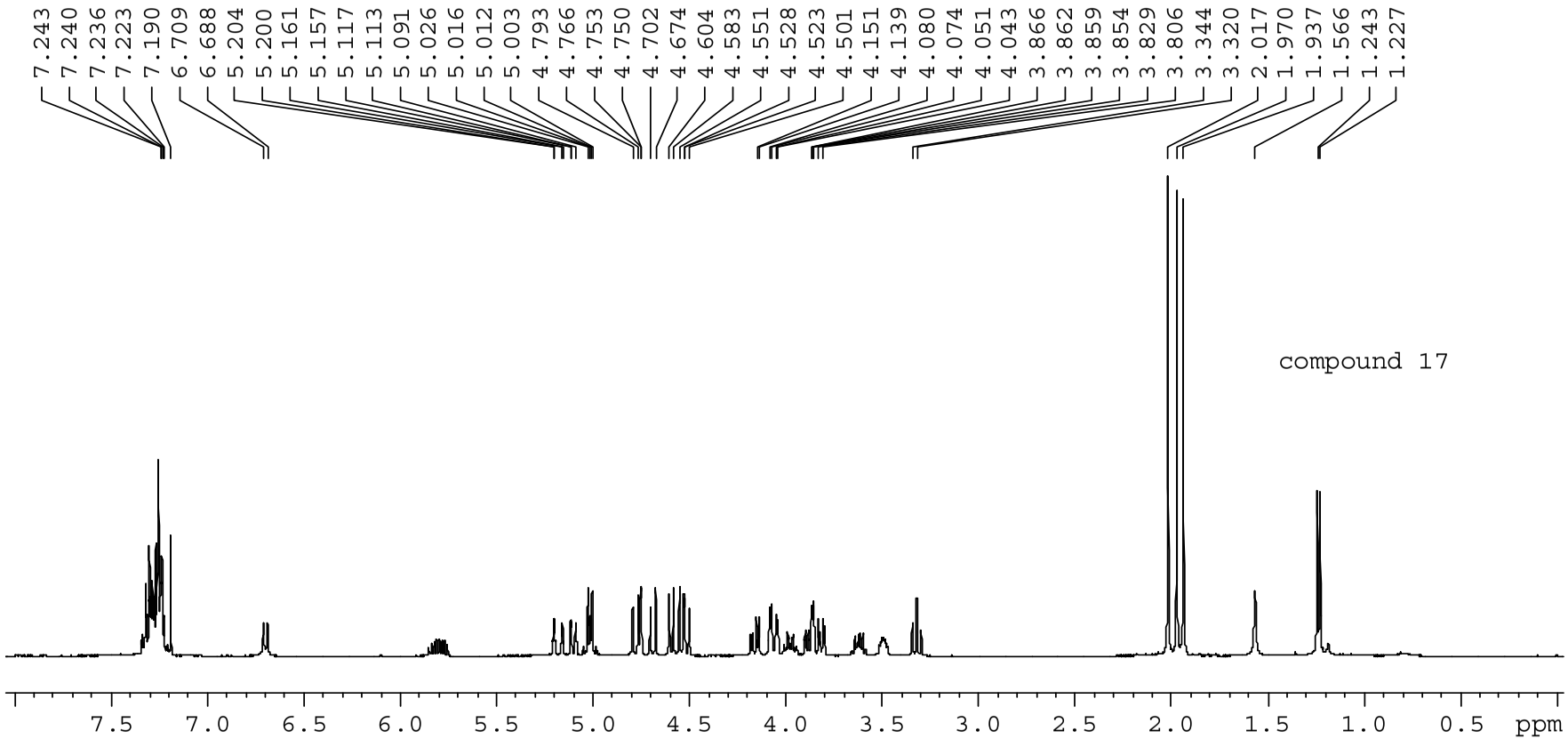
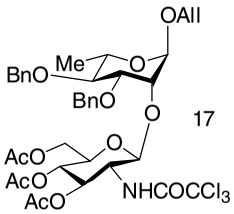


^{1}H-^{13}C NMR 2D-correlation spectrum of compound 8

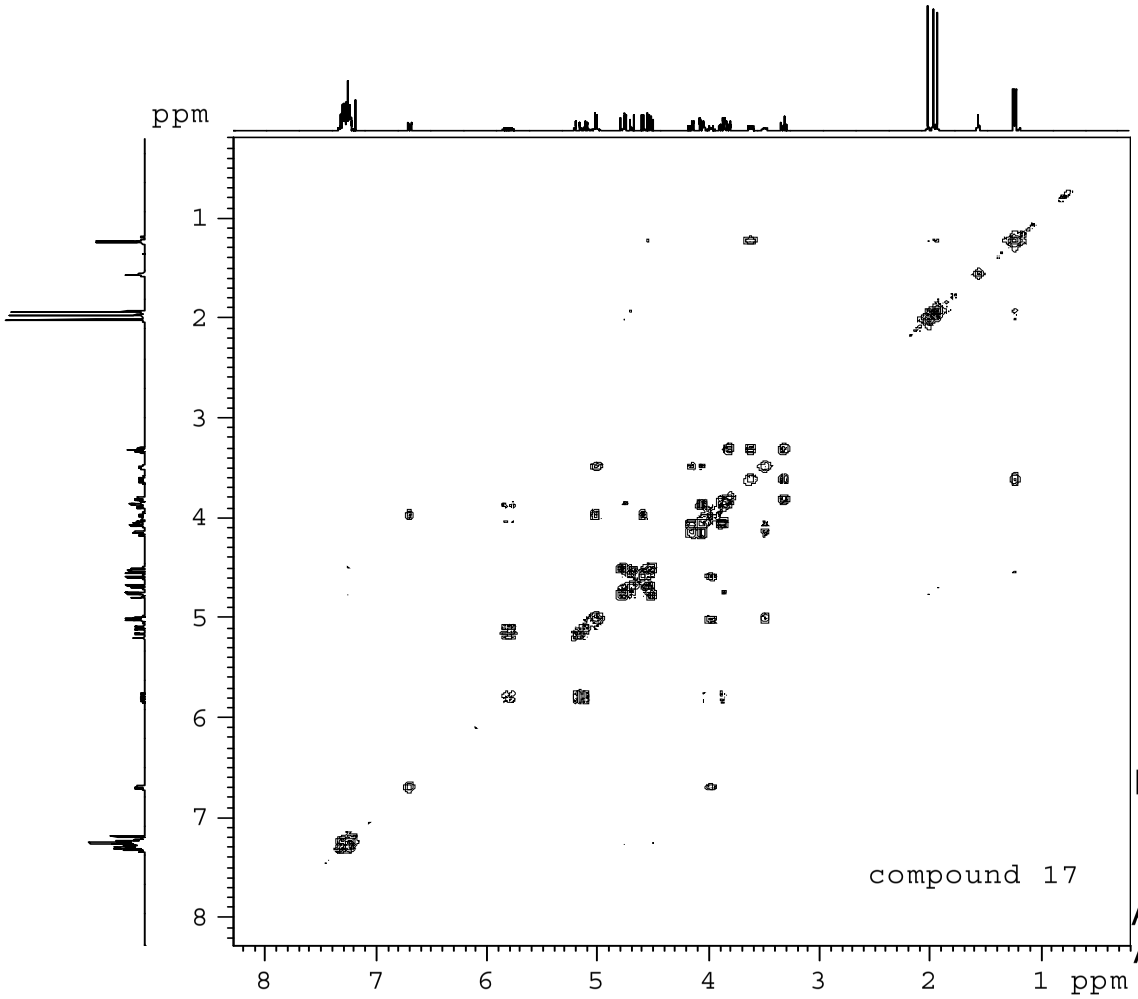


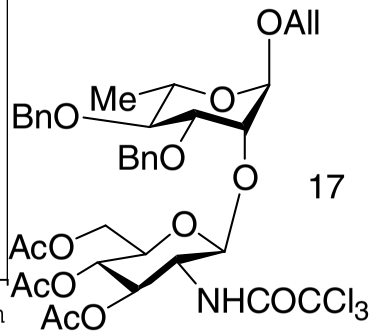
^{1}H spectrum of compound 17



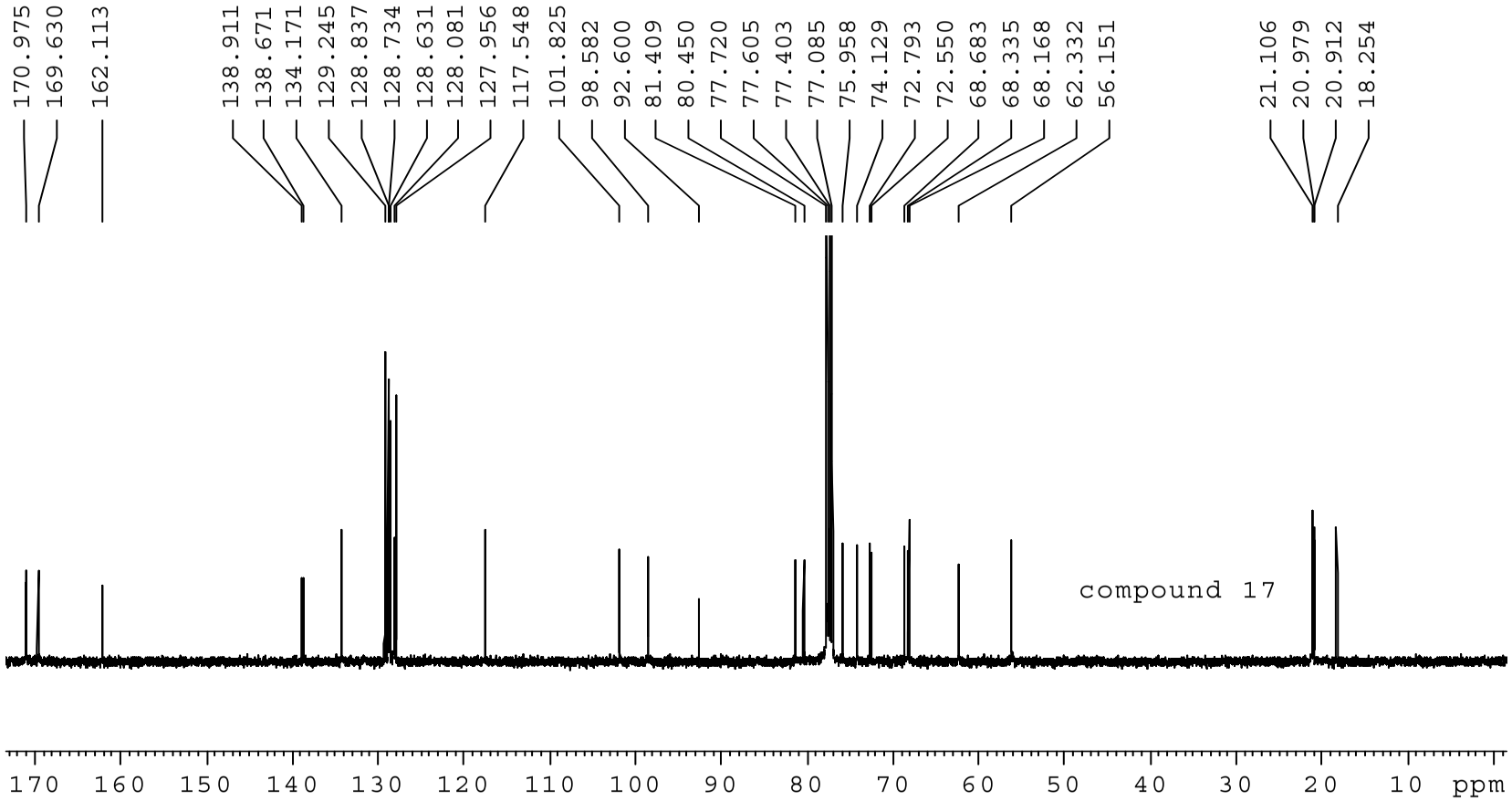


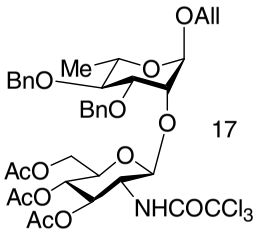
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 17



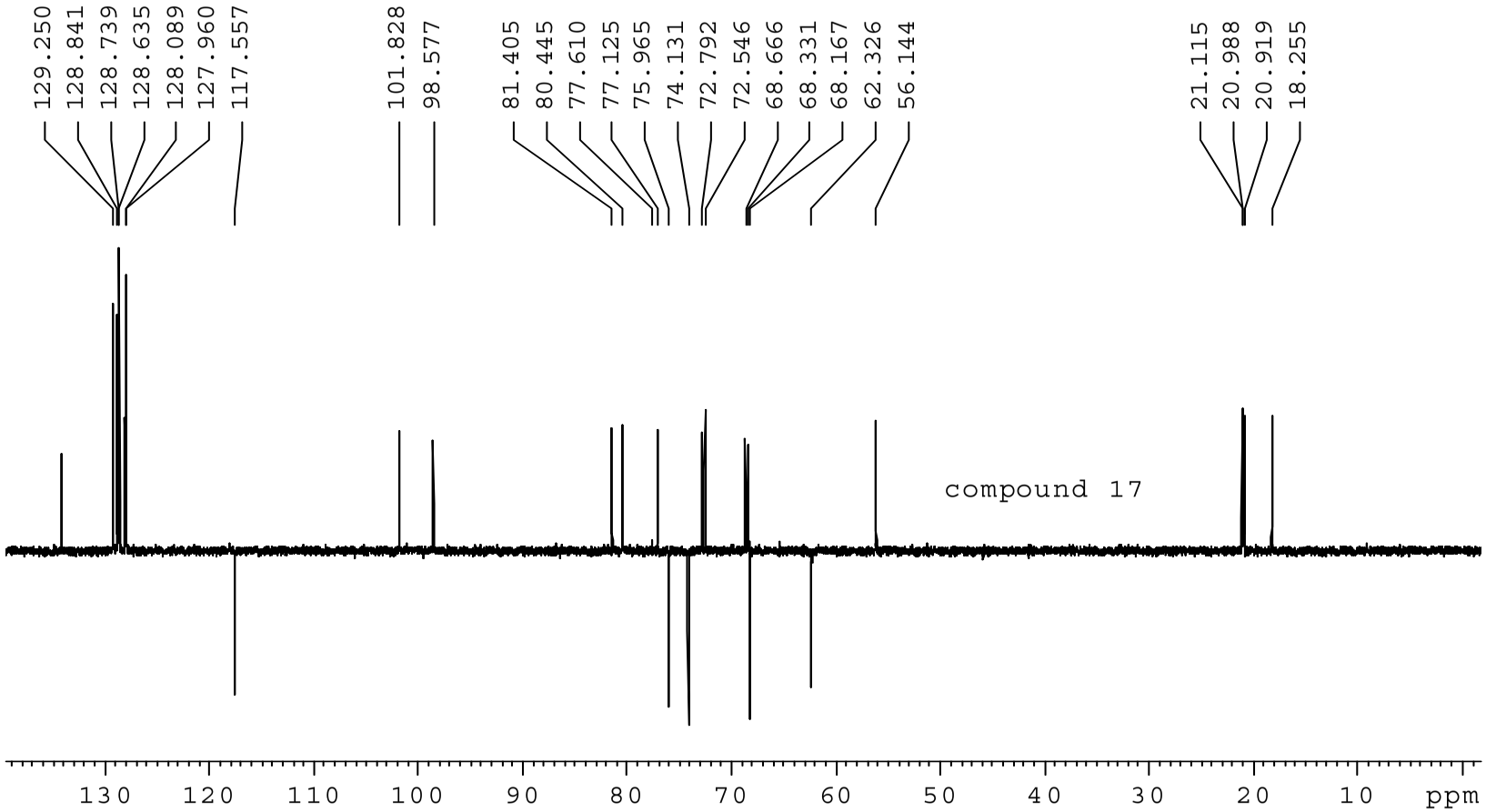


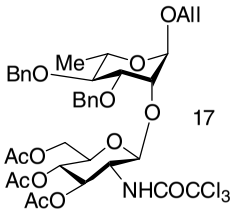
^{13}C NMR spectrum of compound 17



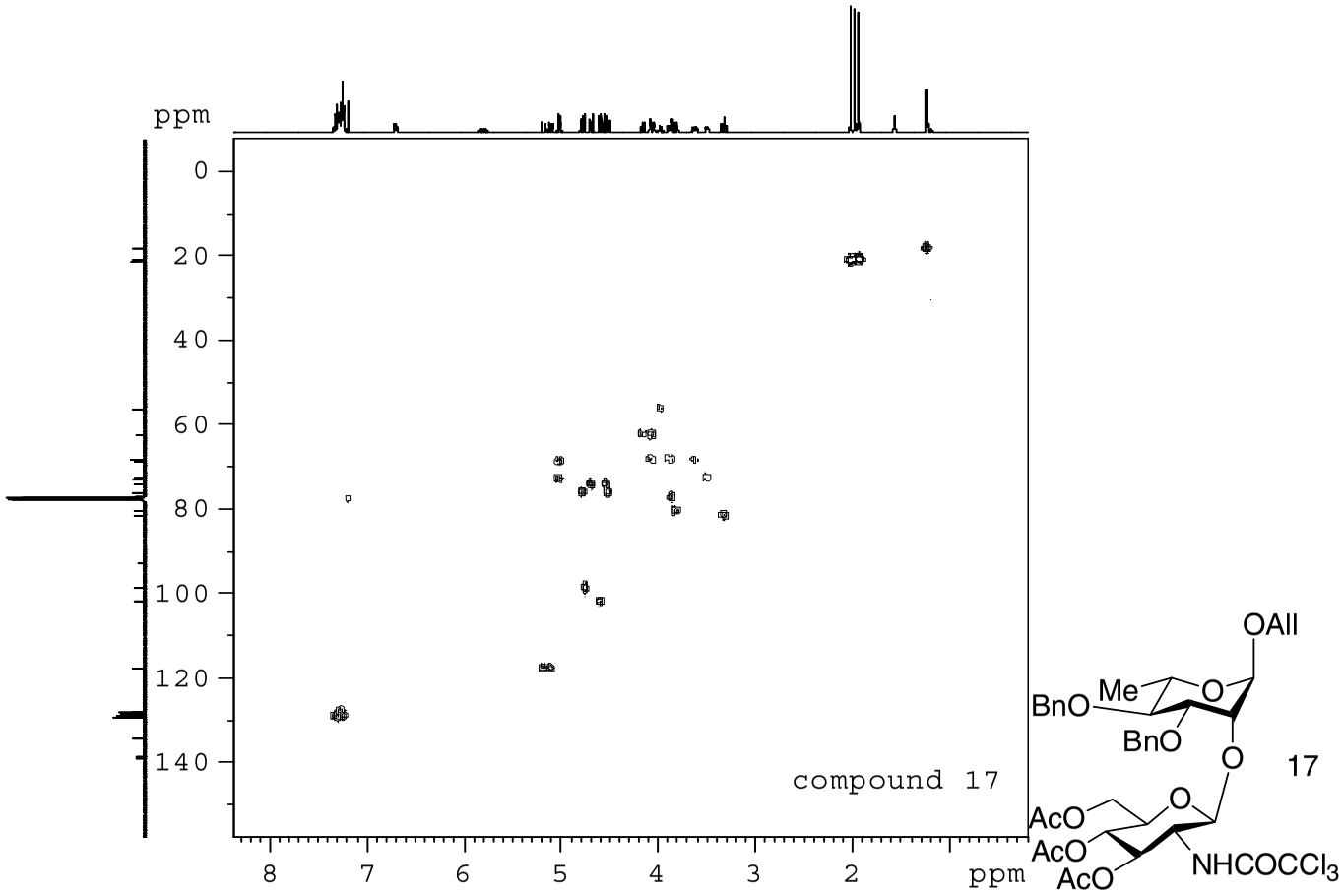


^{13}C (DEPT) NMR spectrum of compound 17

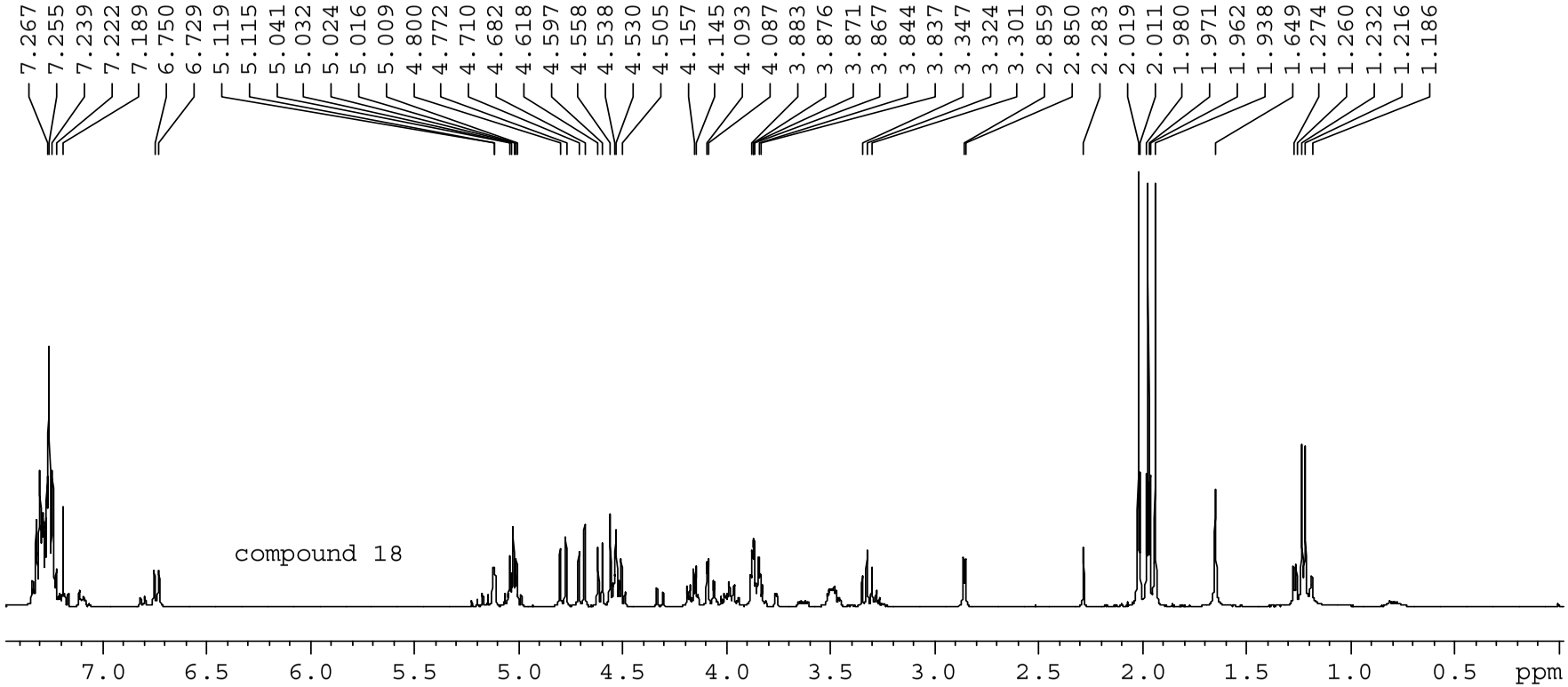


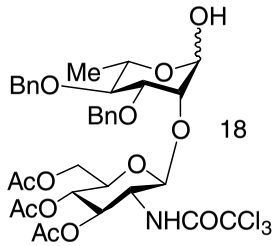


^{1}H-^{13}C NMR 2D-correlation spectrum of compound 17

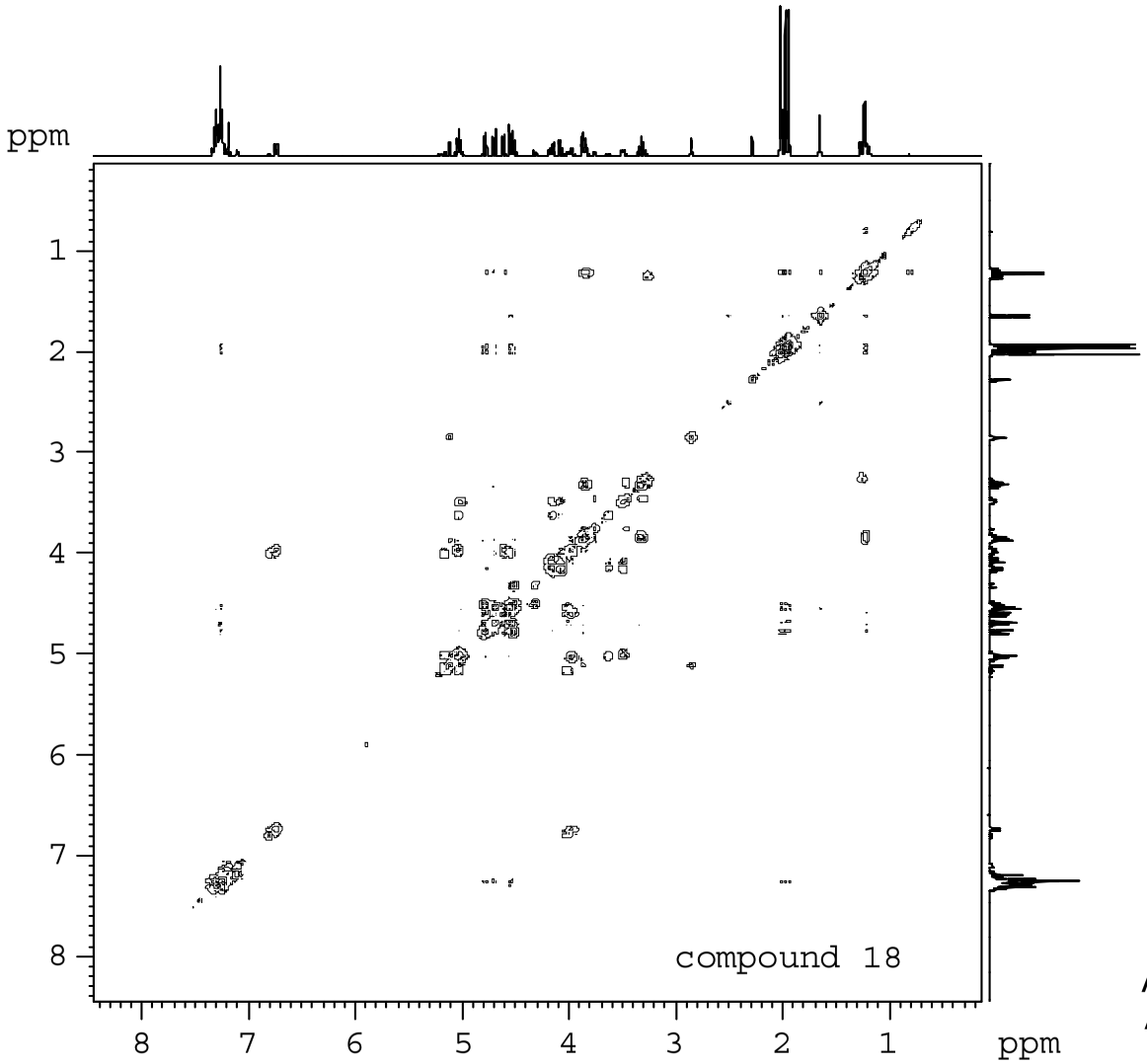


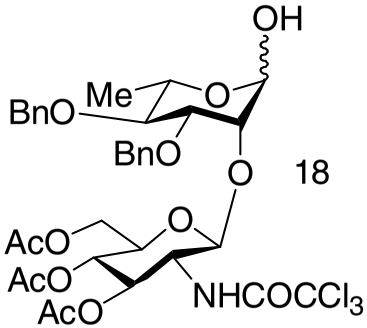
^{1}H spectrum of compound 18



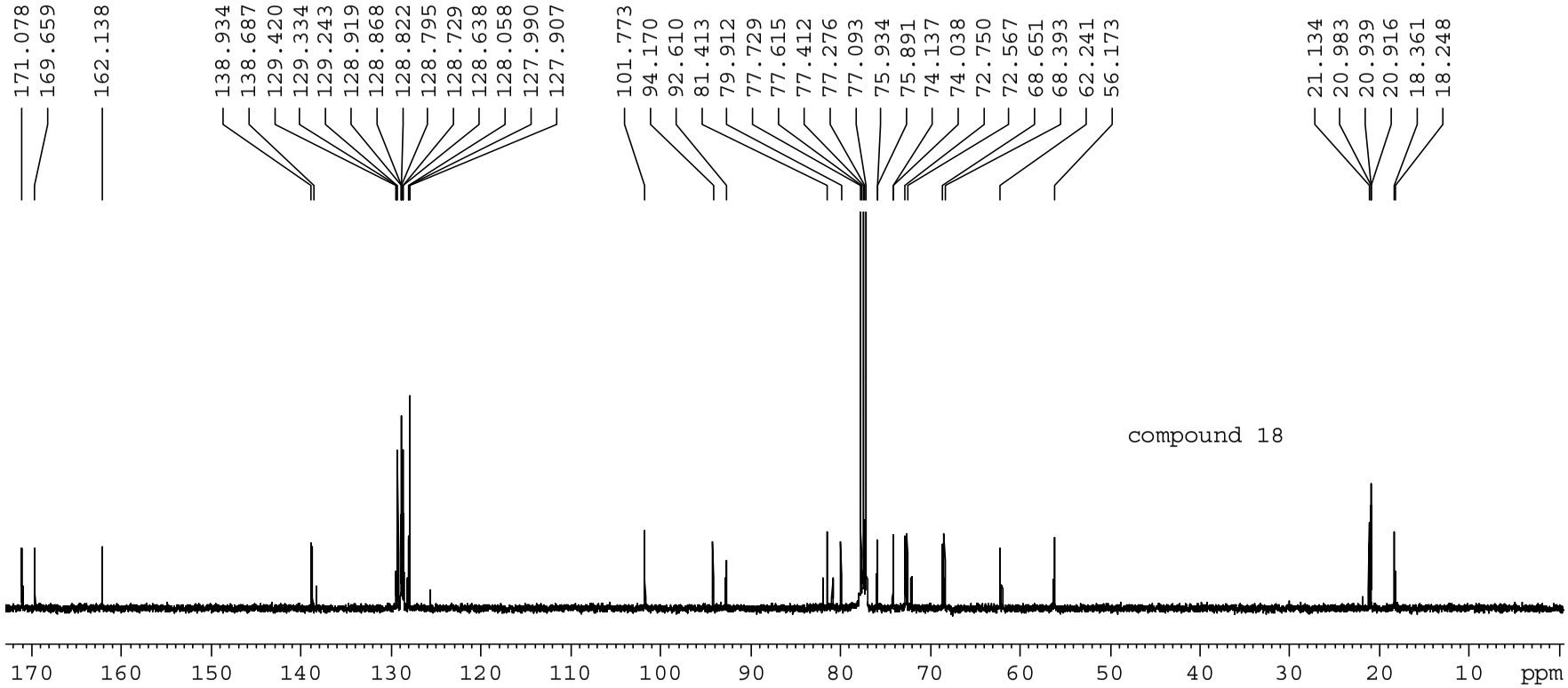


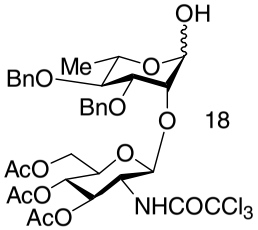
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 18



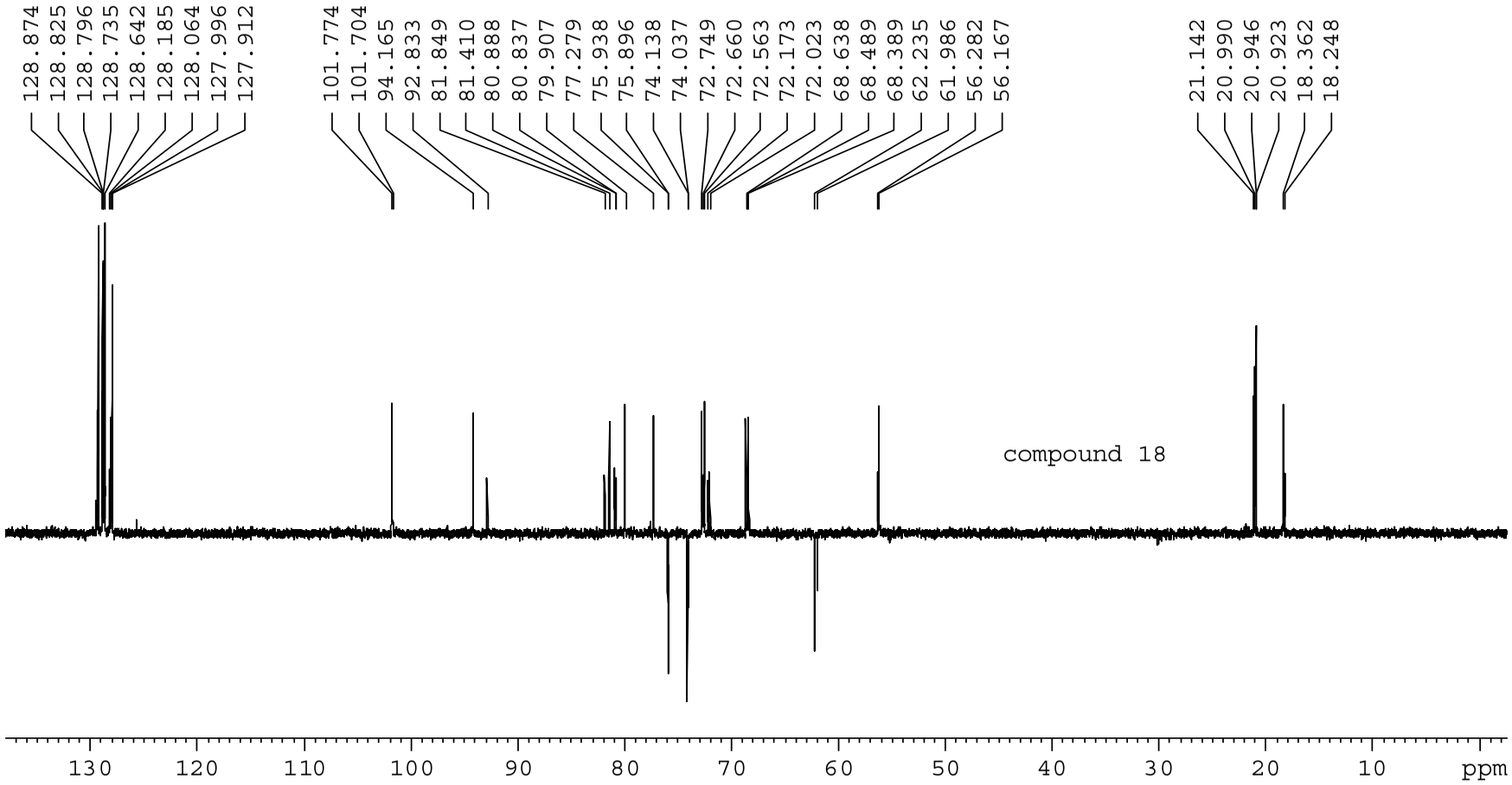


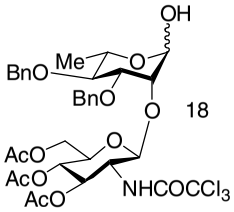
^{13}C NMR spectrum of compound 18



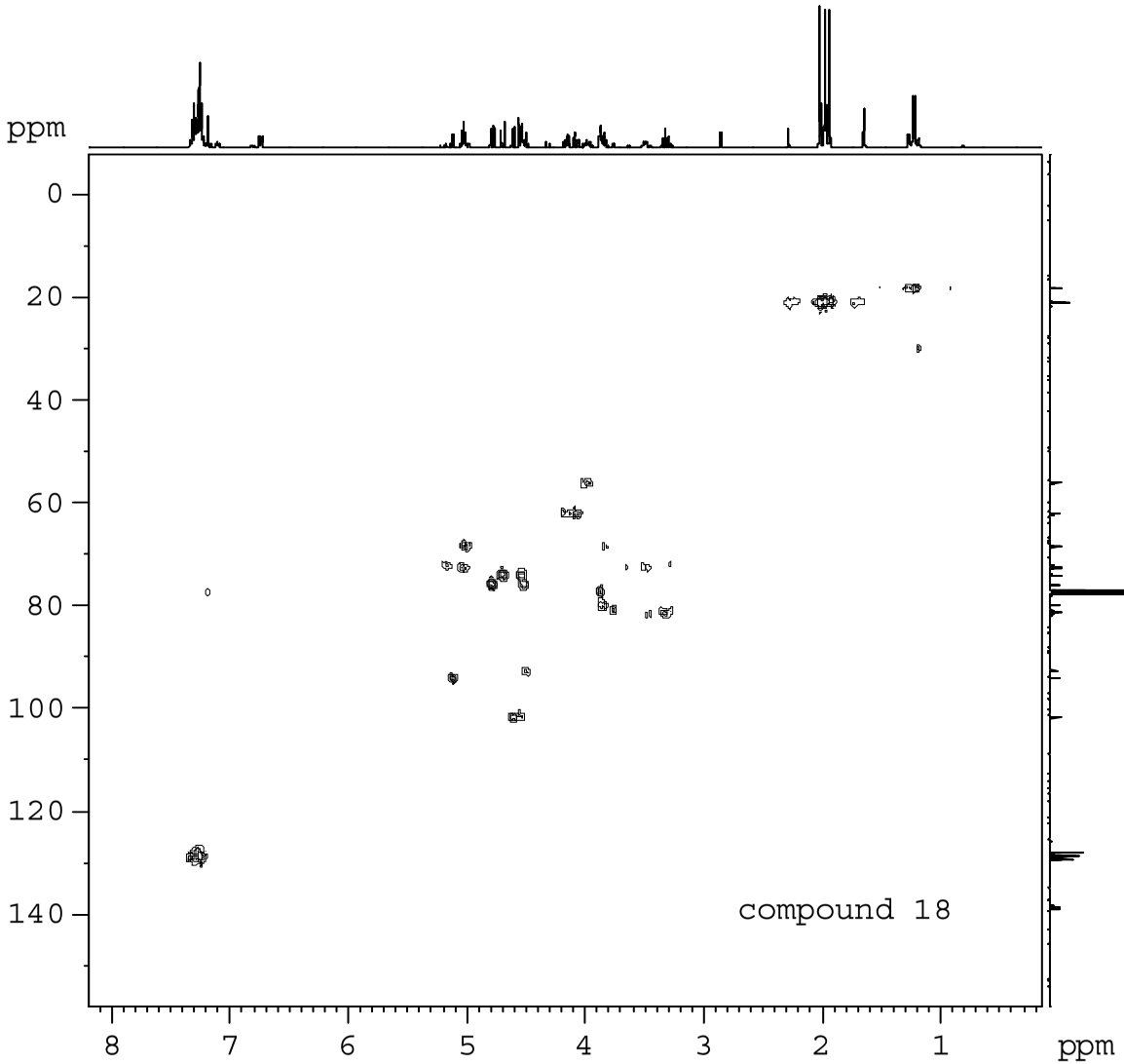


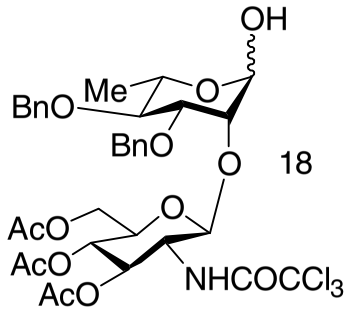
^{13}C (DEPT) NMR spectrum of compound 18



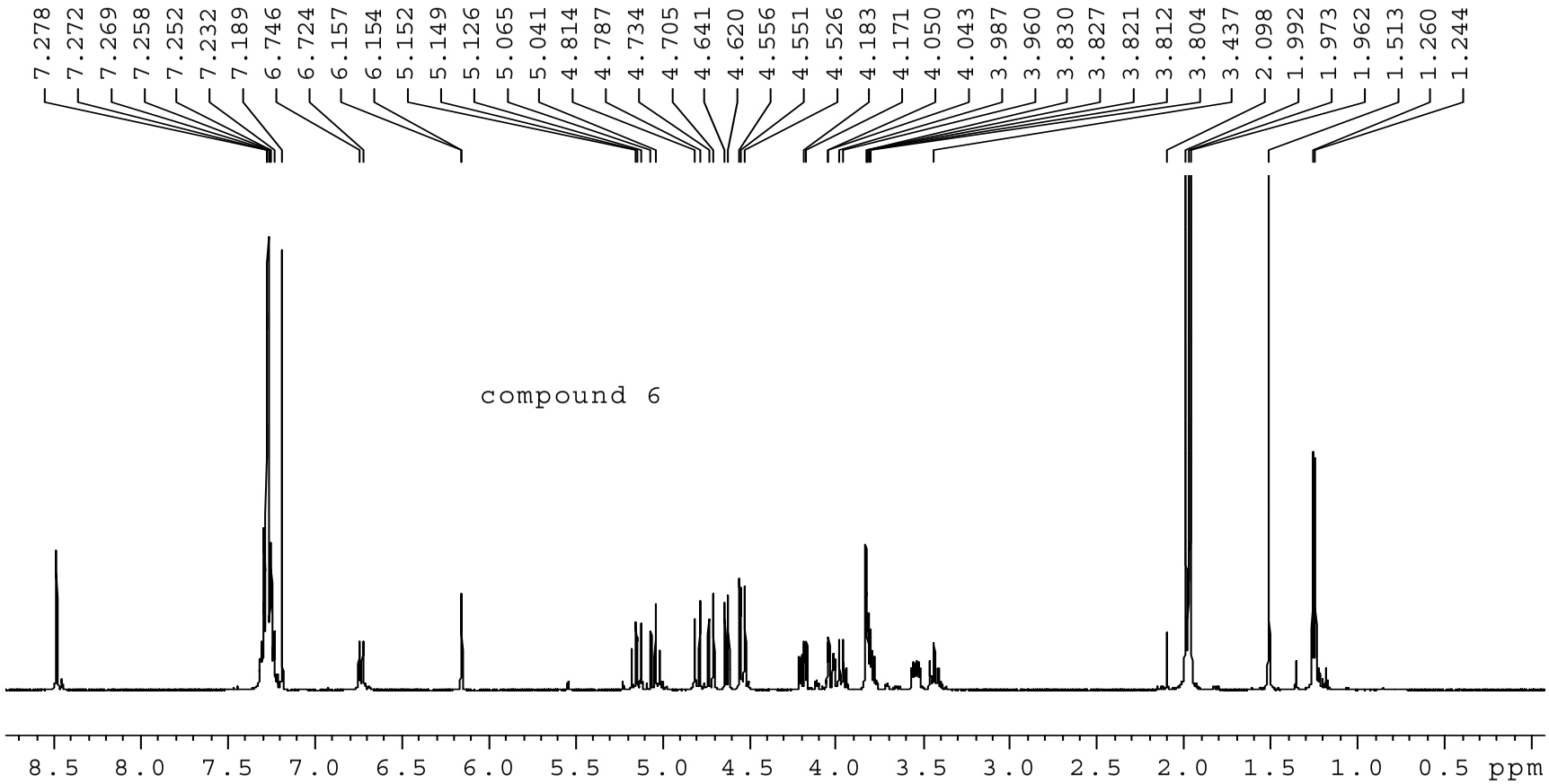


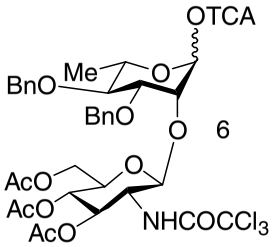
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 18



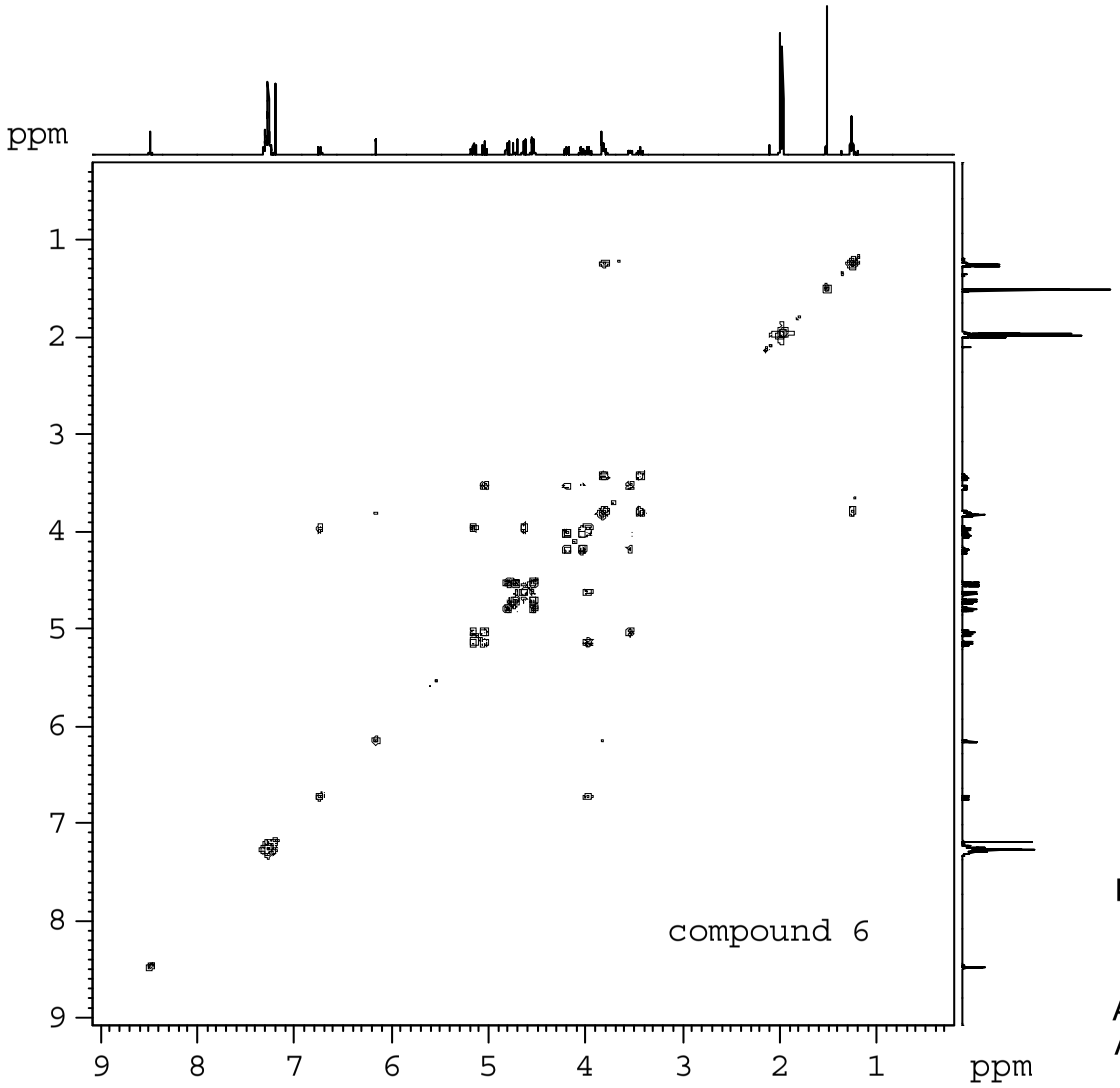


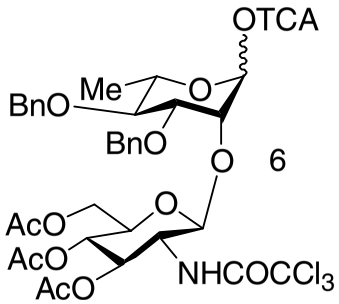
^{1}H spectrum of compound 6



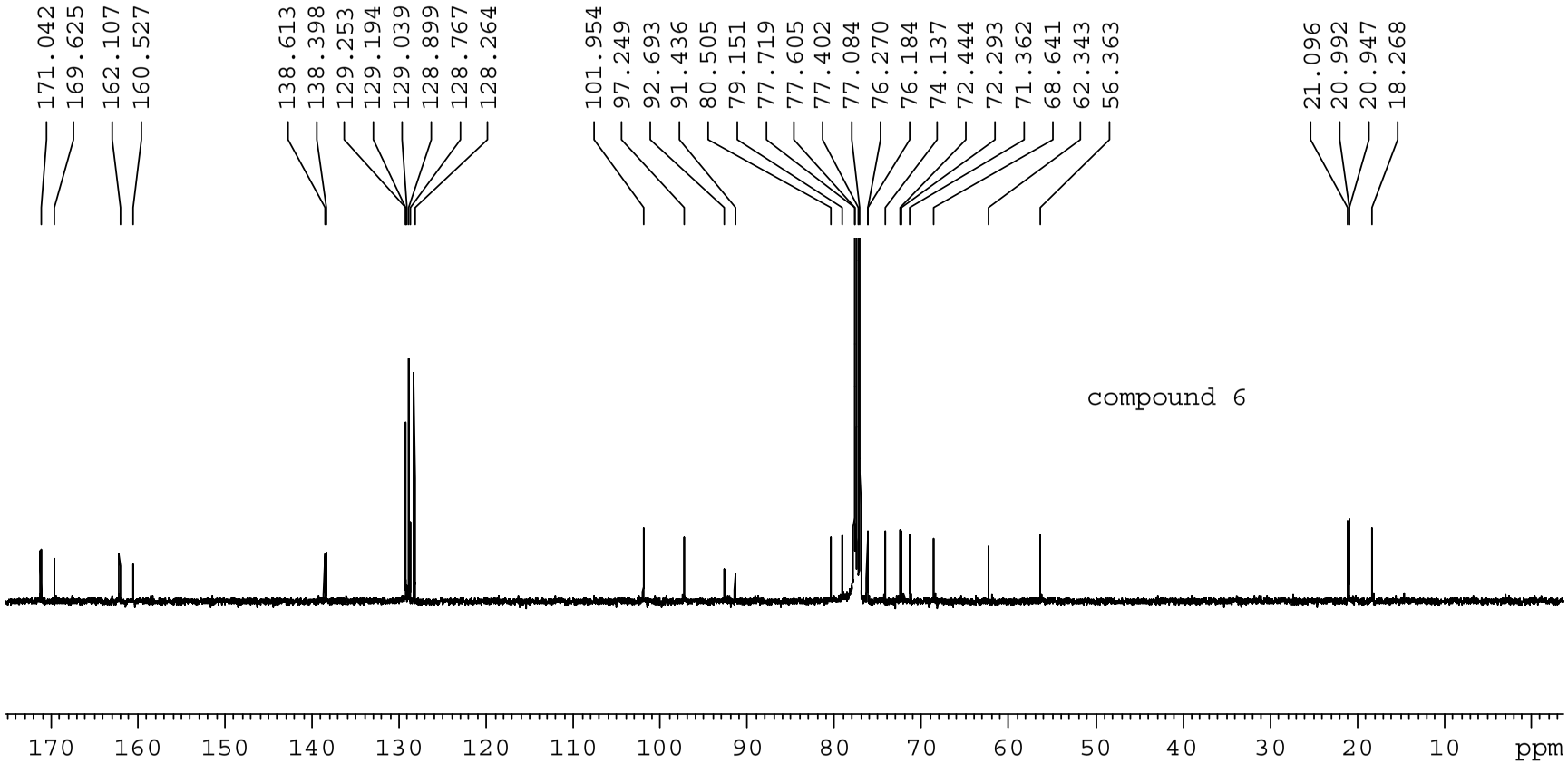


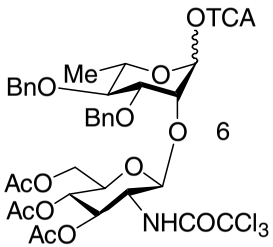
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 6



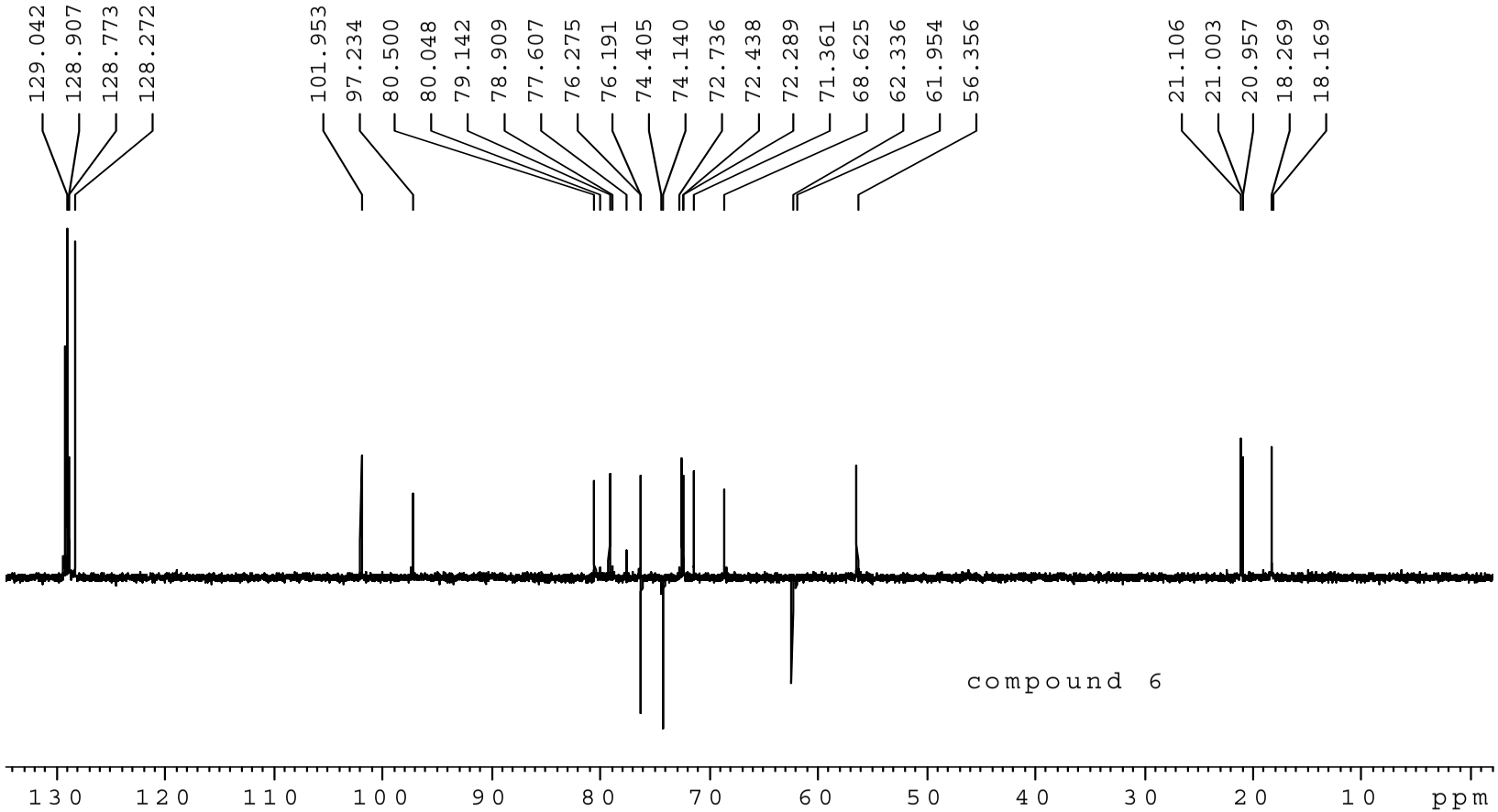


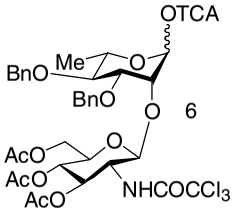
^{13}C NMR spectrum of compound 6



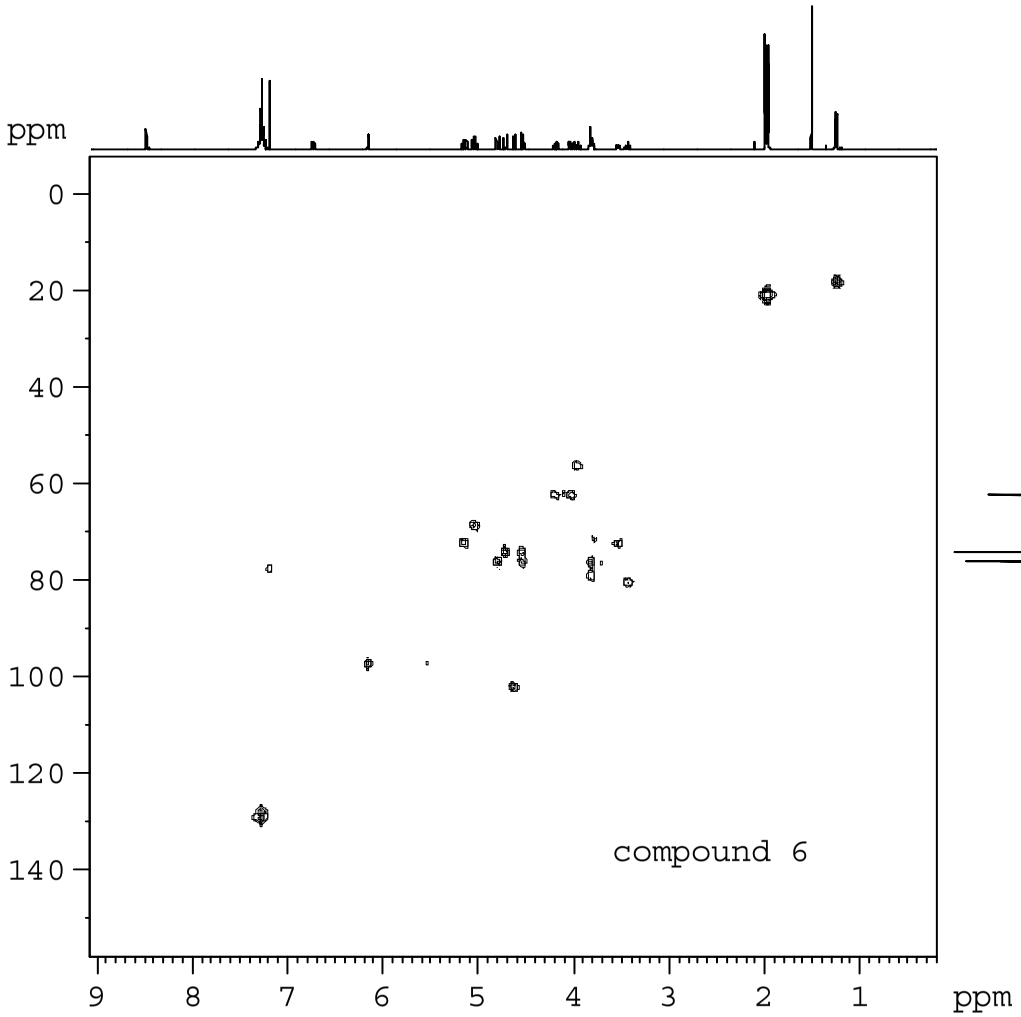


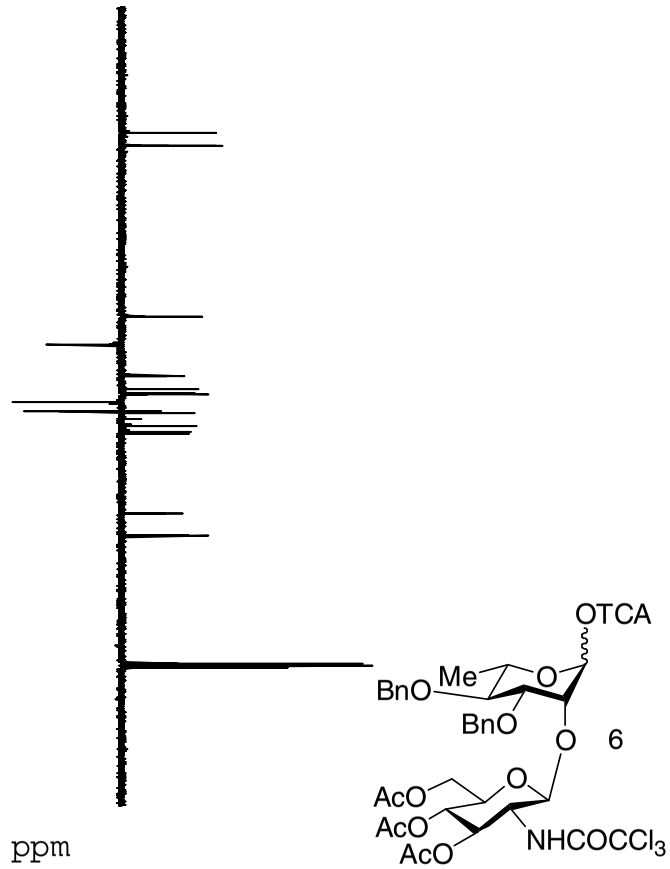
^{13}C (DEPT) NMR spectrum of compound 6



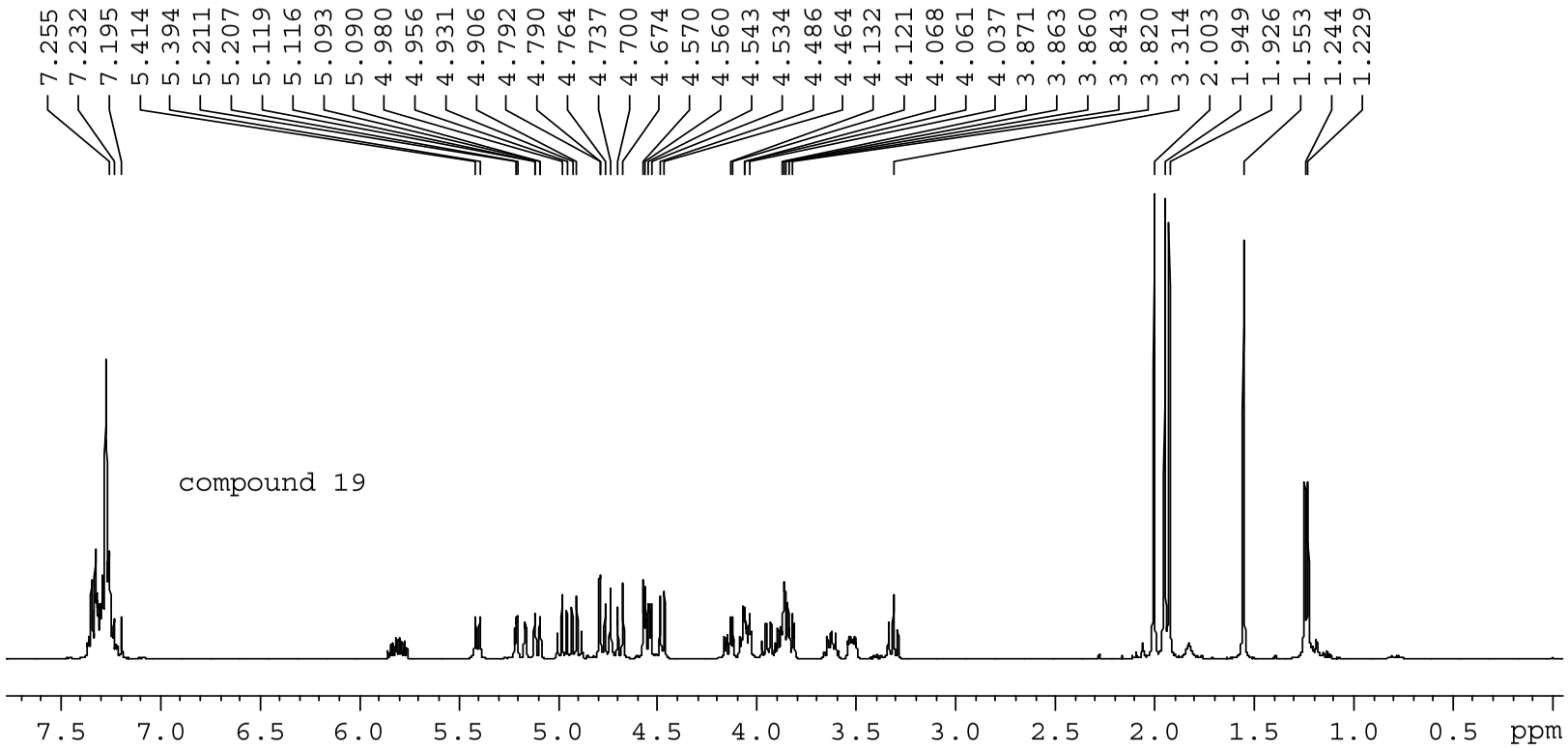


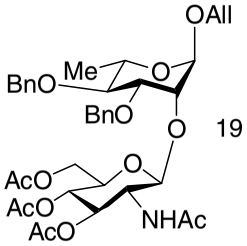
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 6



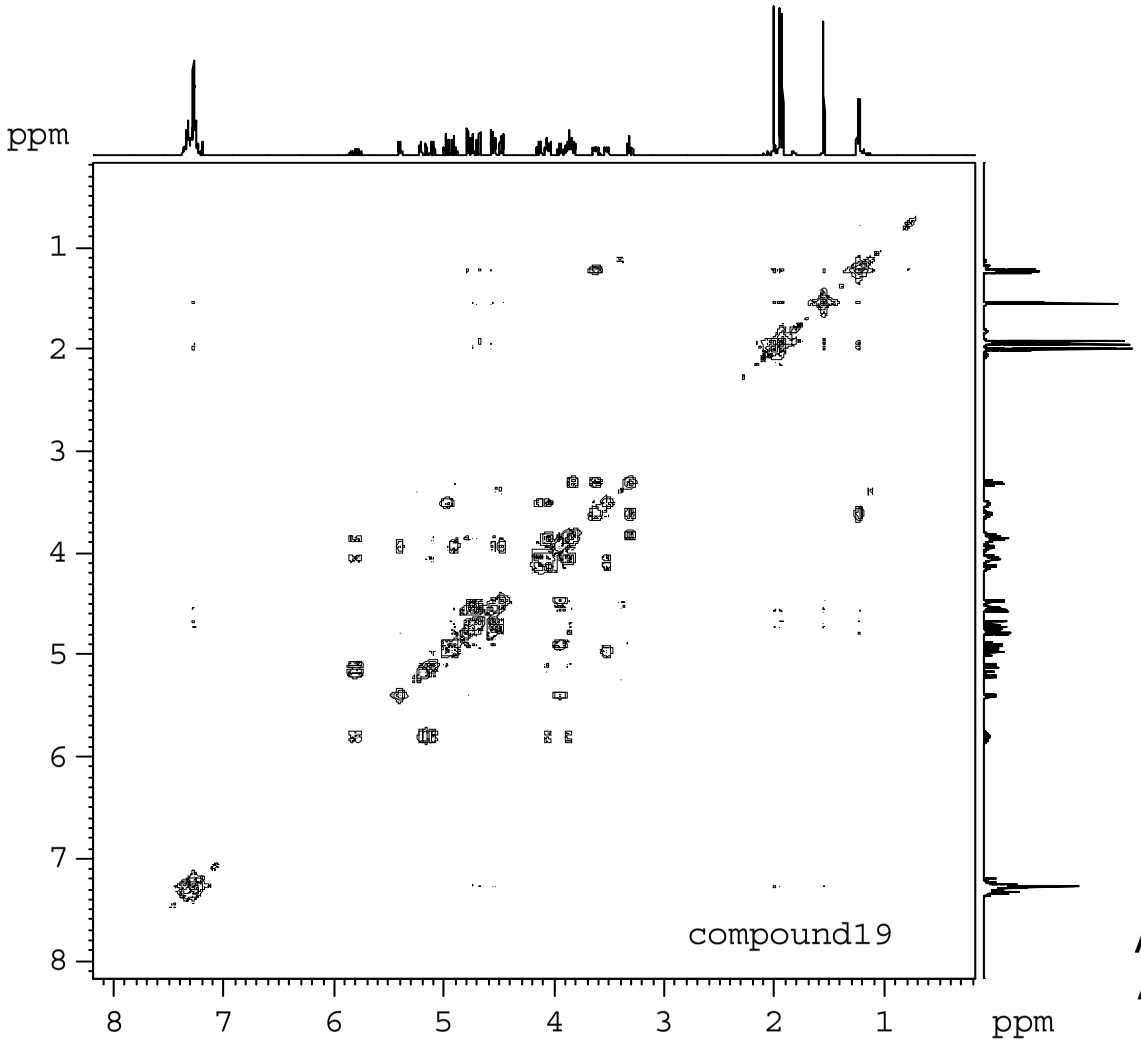


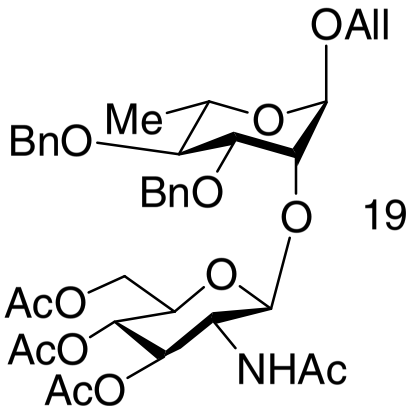
^{1}H spectrum of compound 19



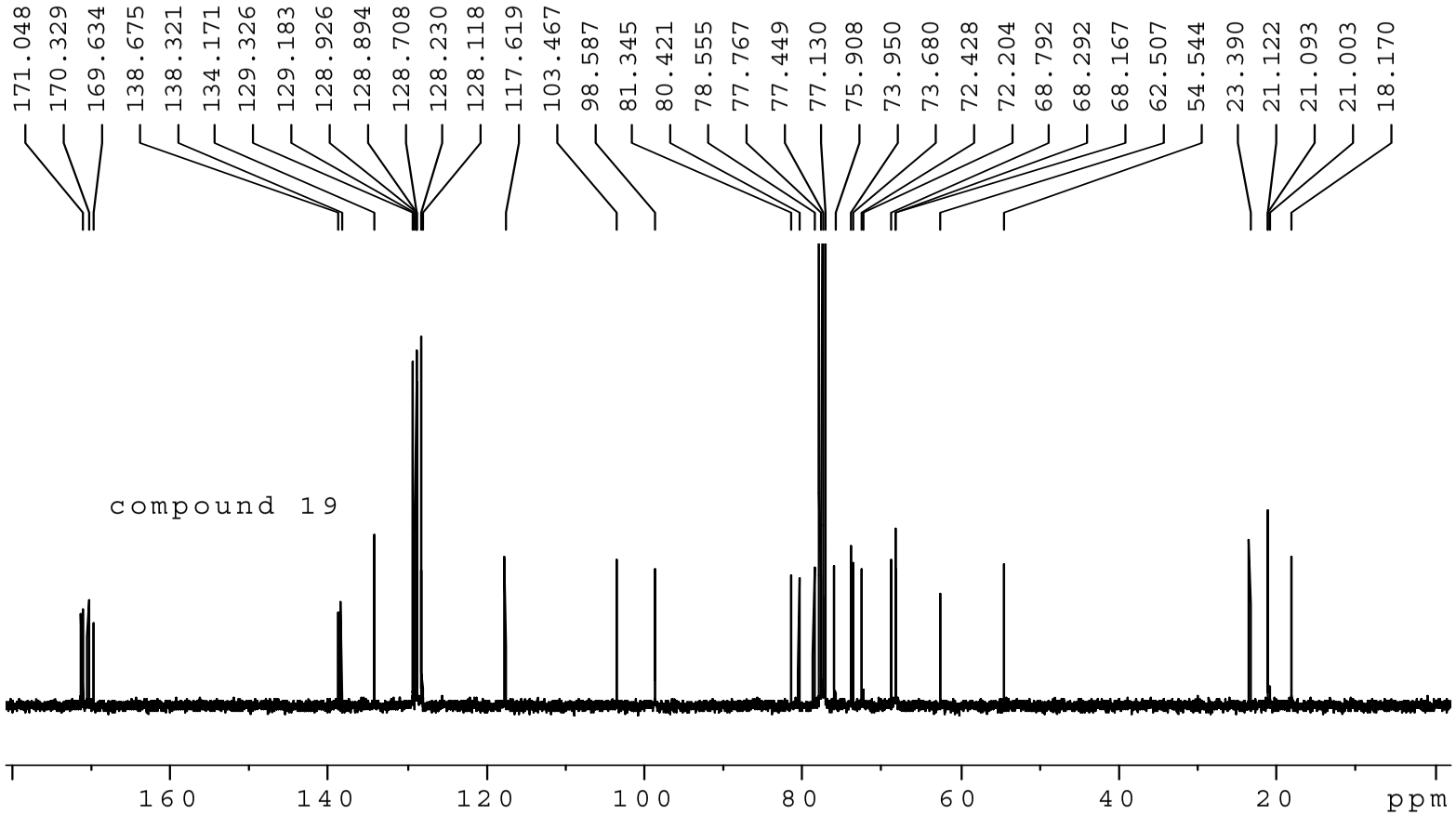


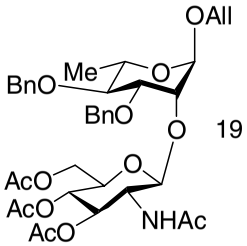
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 19



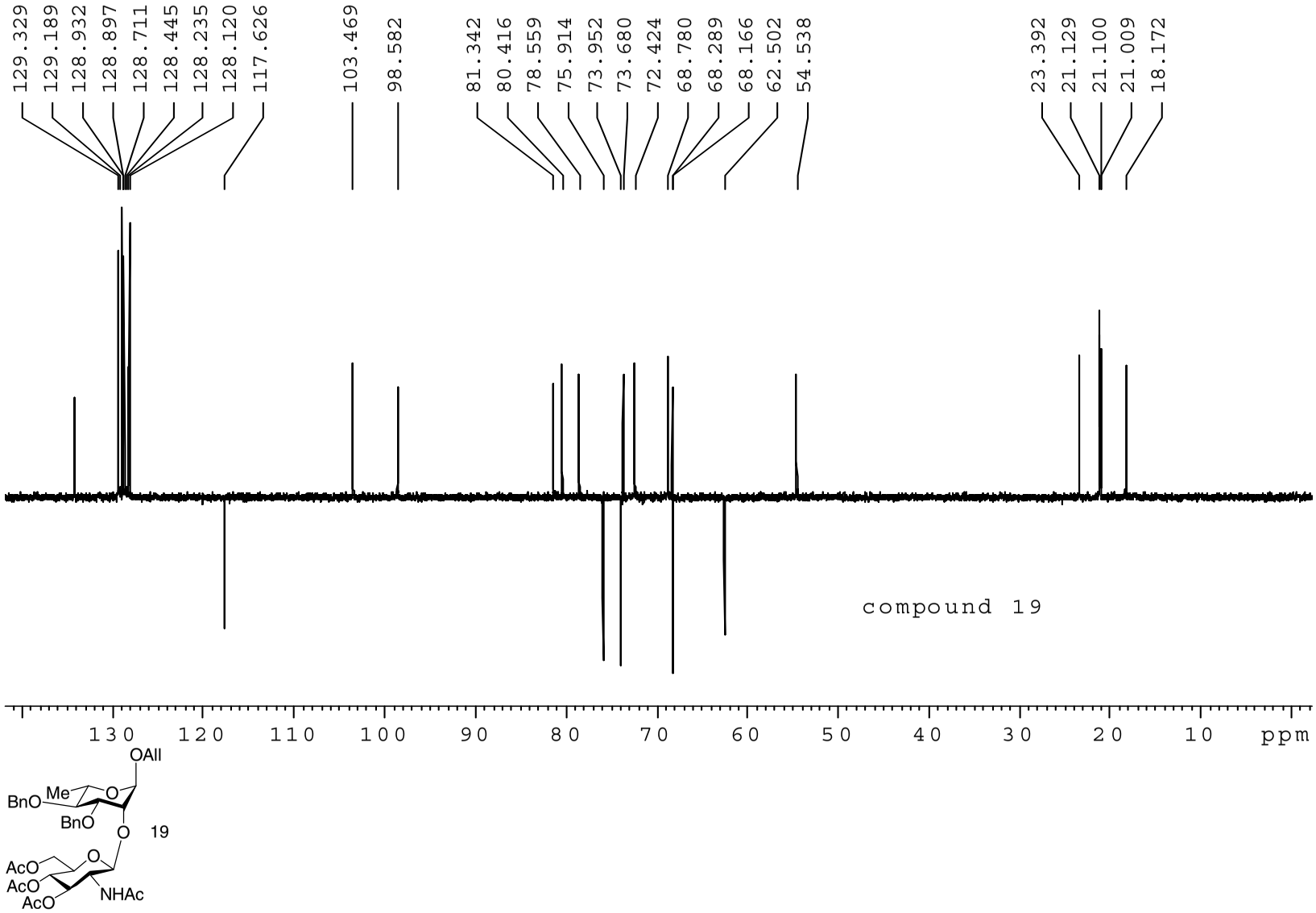


^{13}C NMR spectrum of compound 19

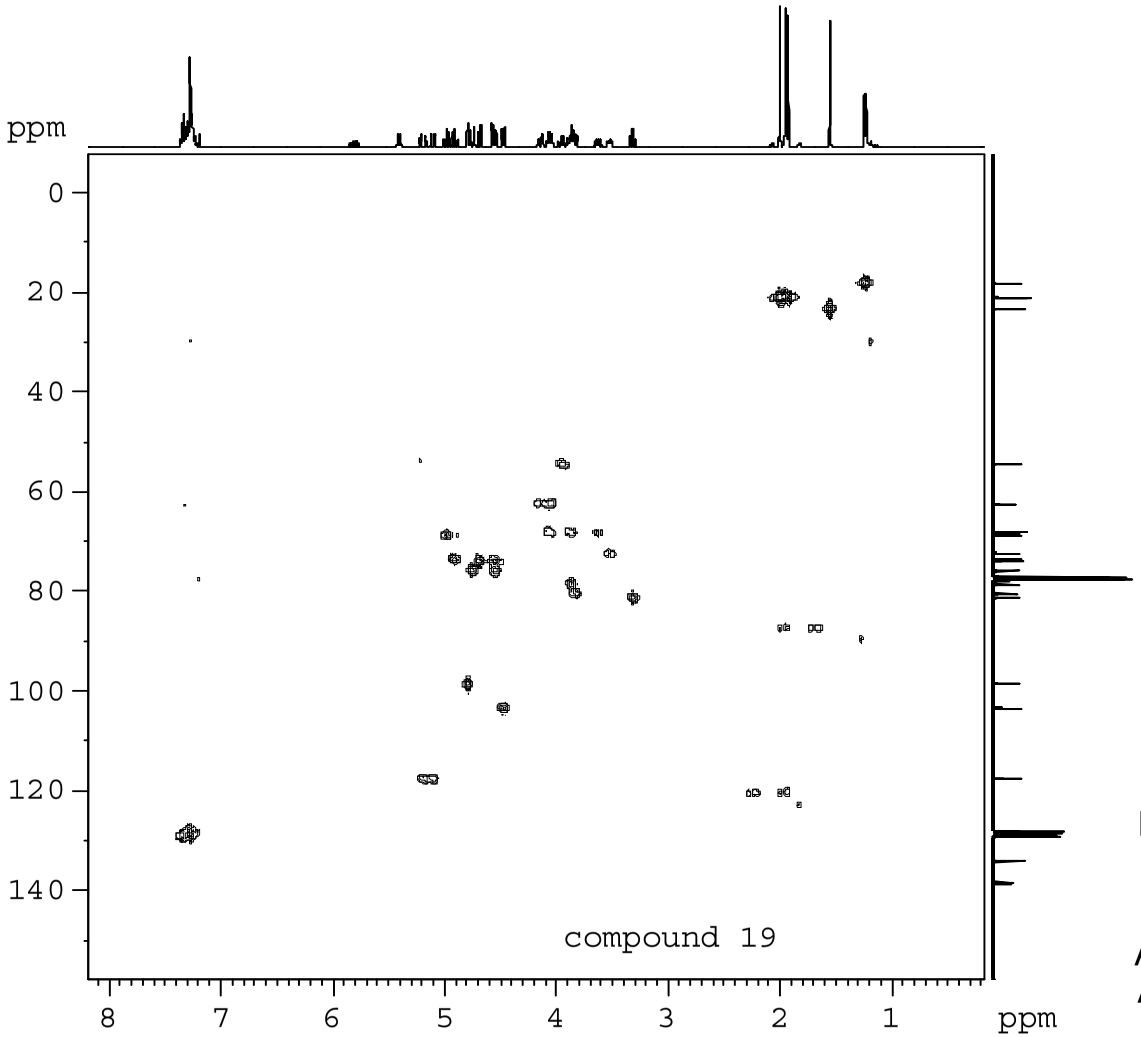


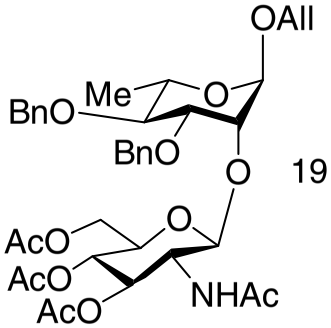


^{13}C (DEPT) NMR spectrum of compound 19

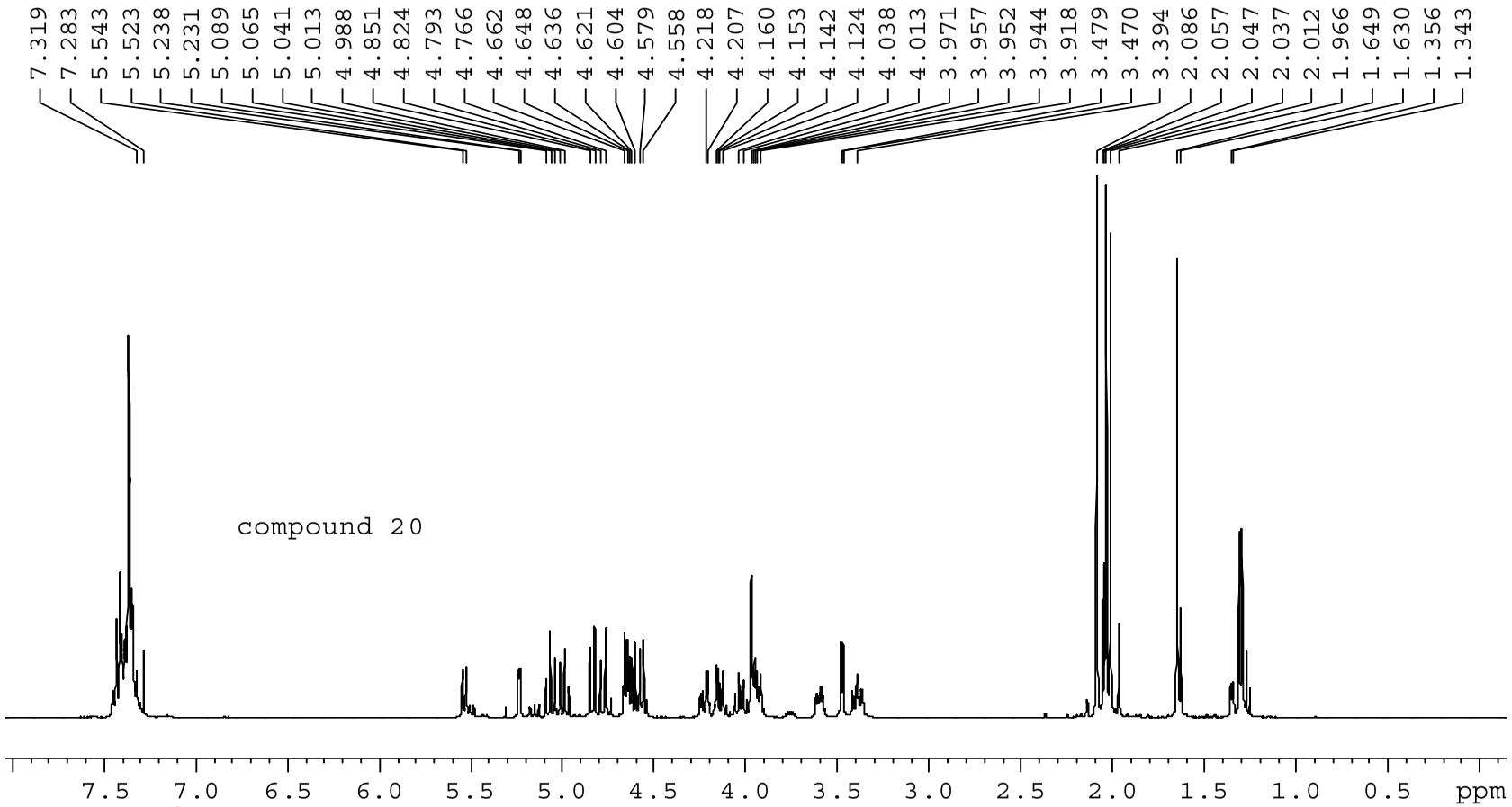


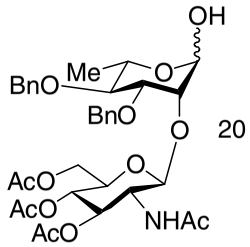
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 19



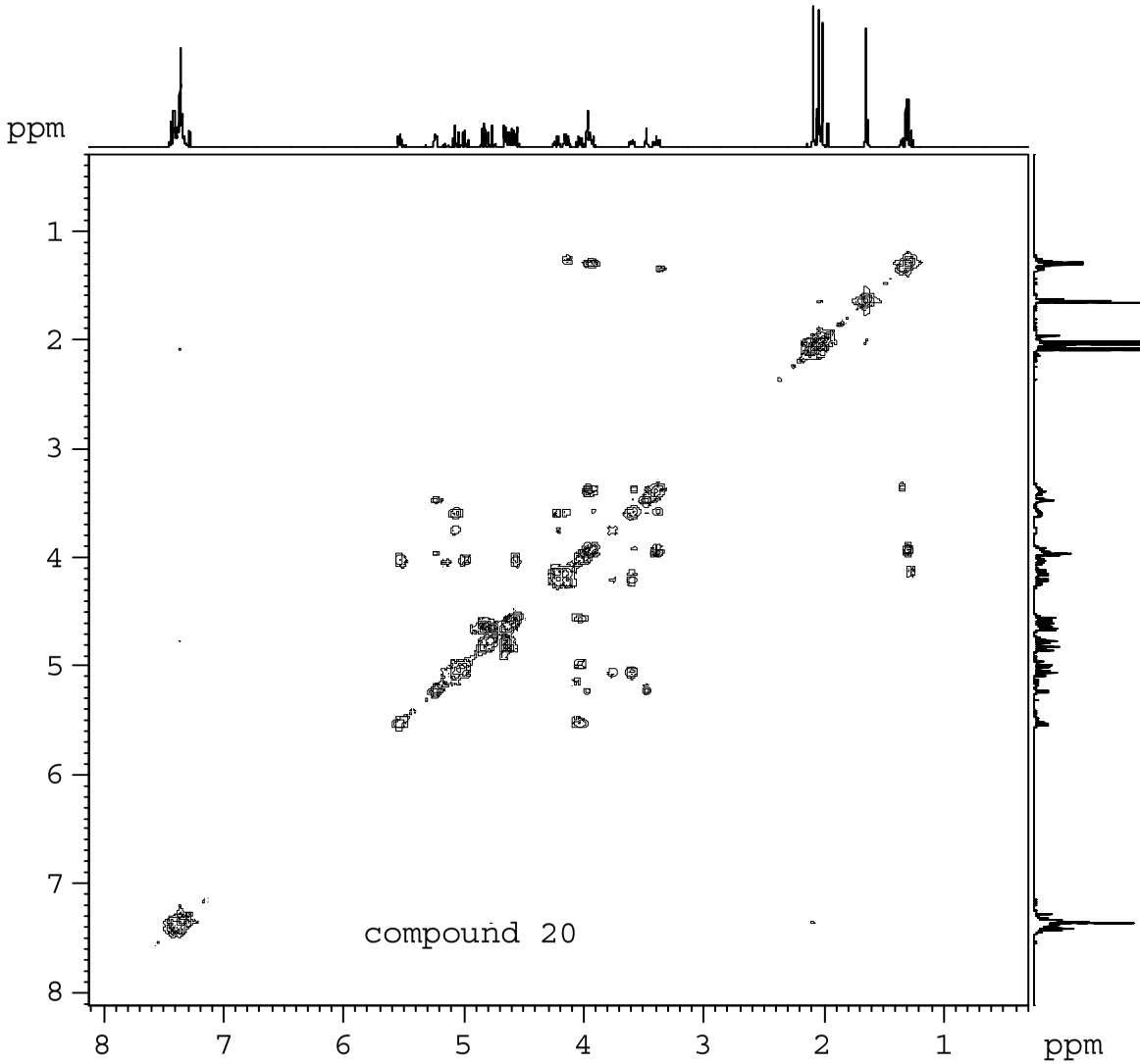


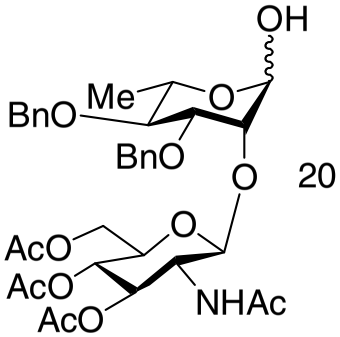
^{1}H spectrum of compound 20



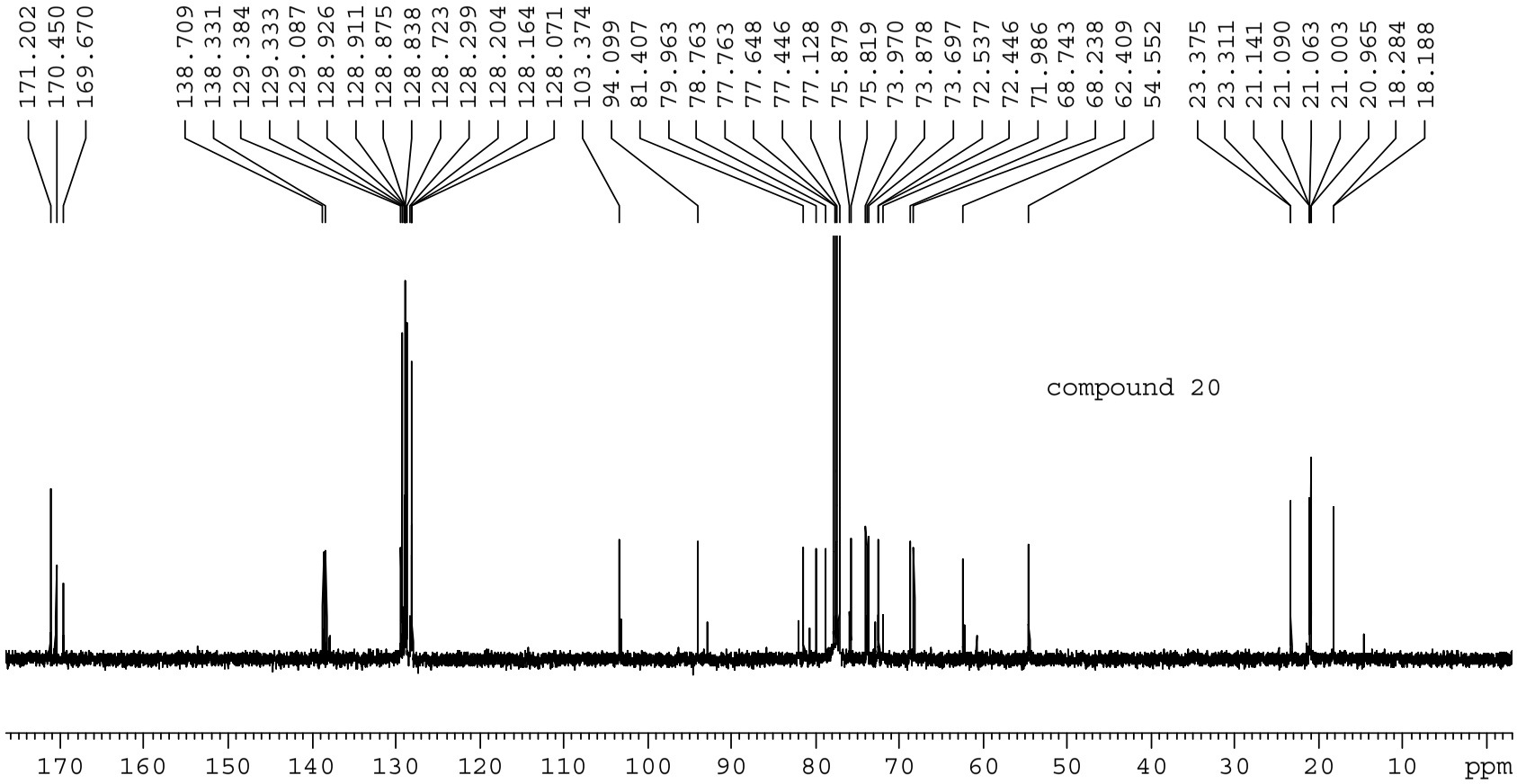


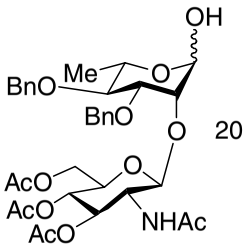
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 20



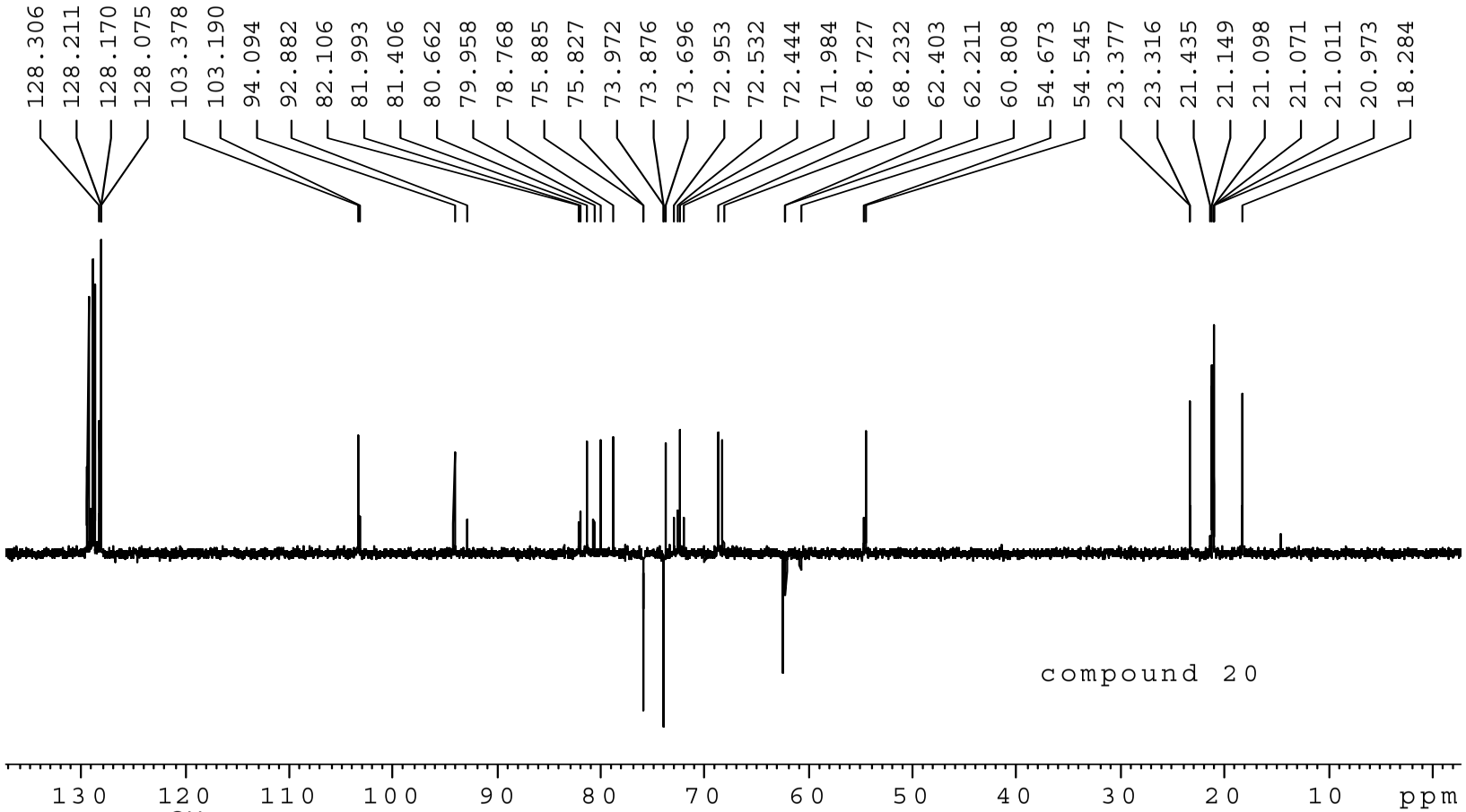


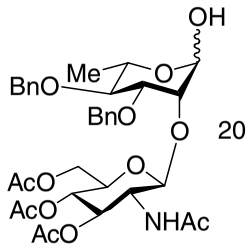
^{13}C NMR spectrum of compound 20



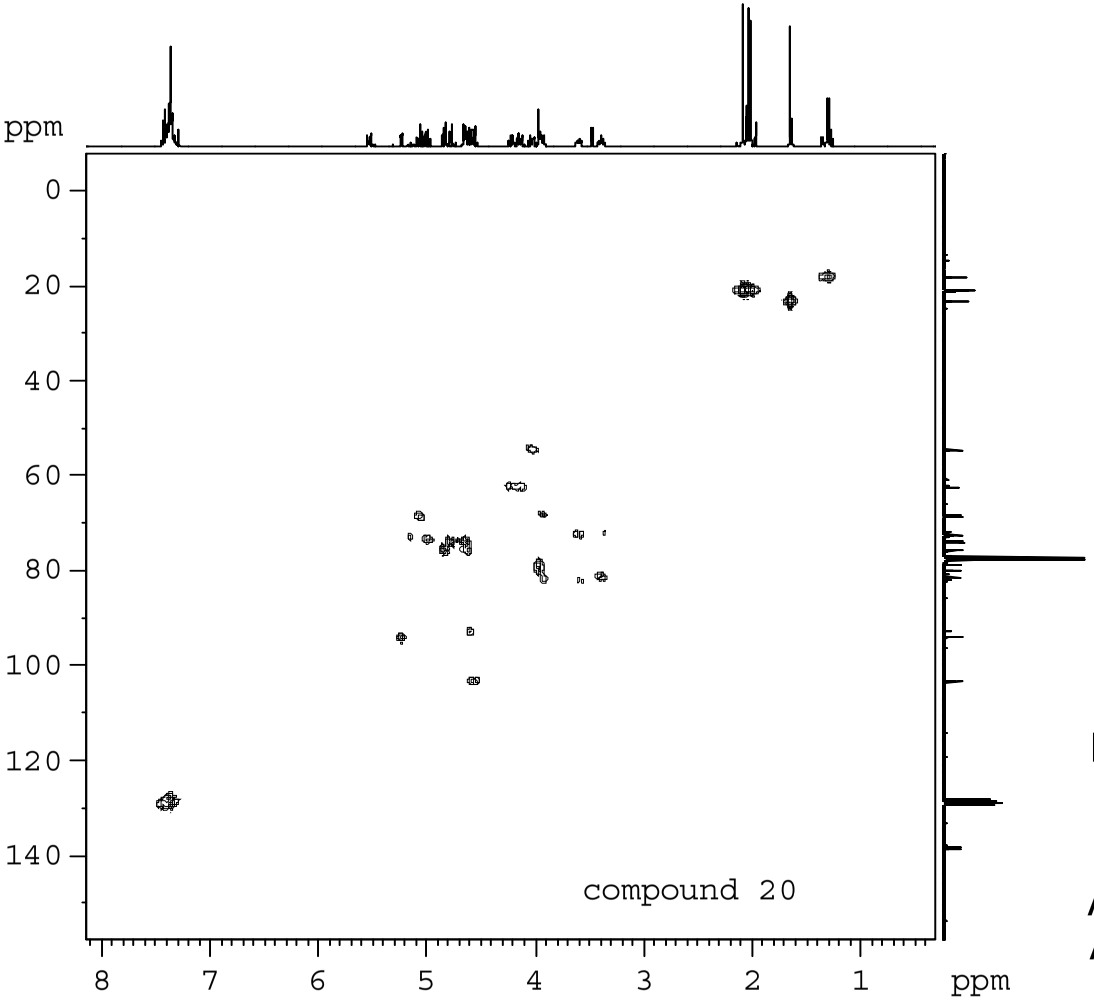


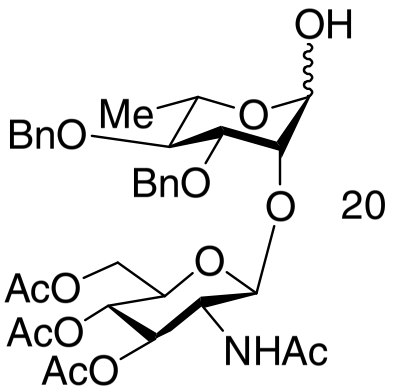
^{13}C (DEPT) NMR spectrum of compound 20



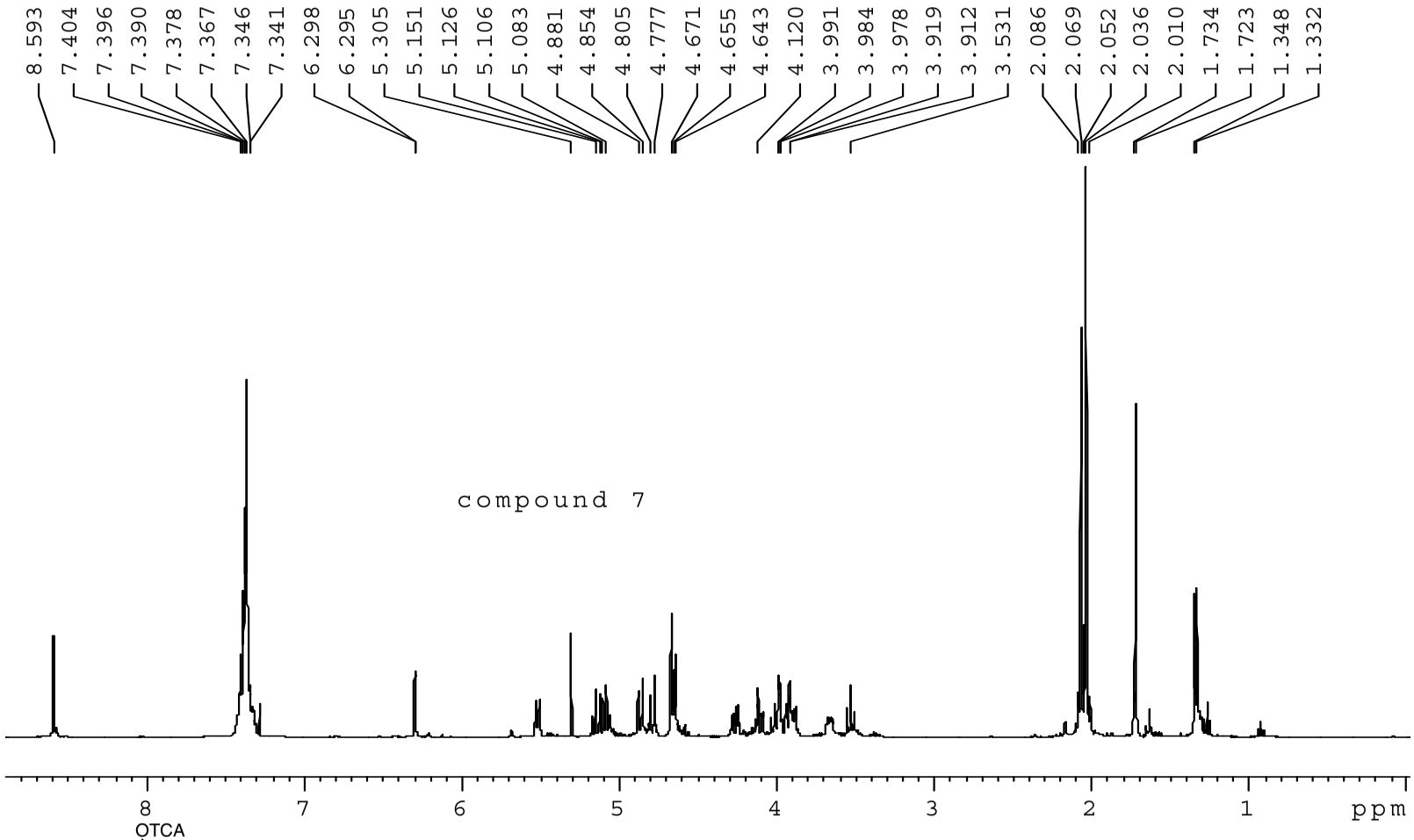


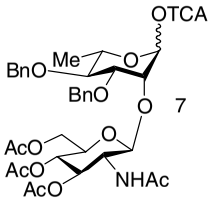
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 20



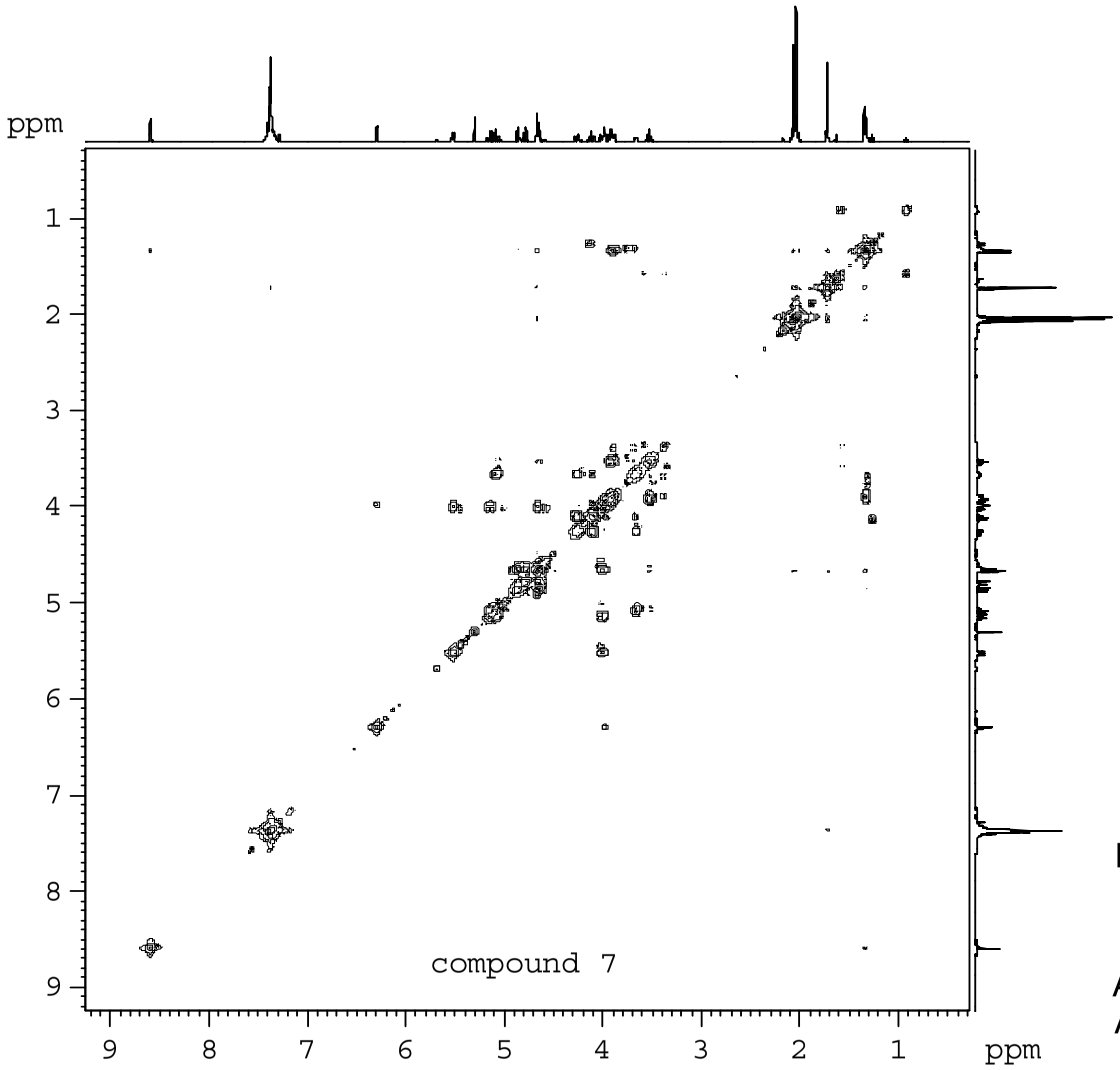


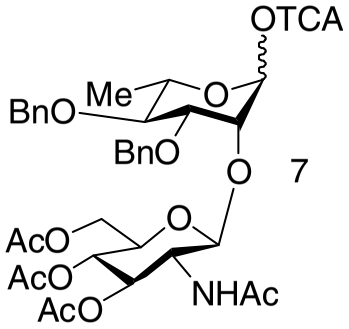
^{1}H spectrum of compound 7



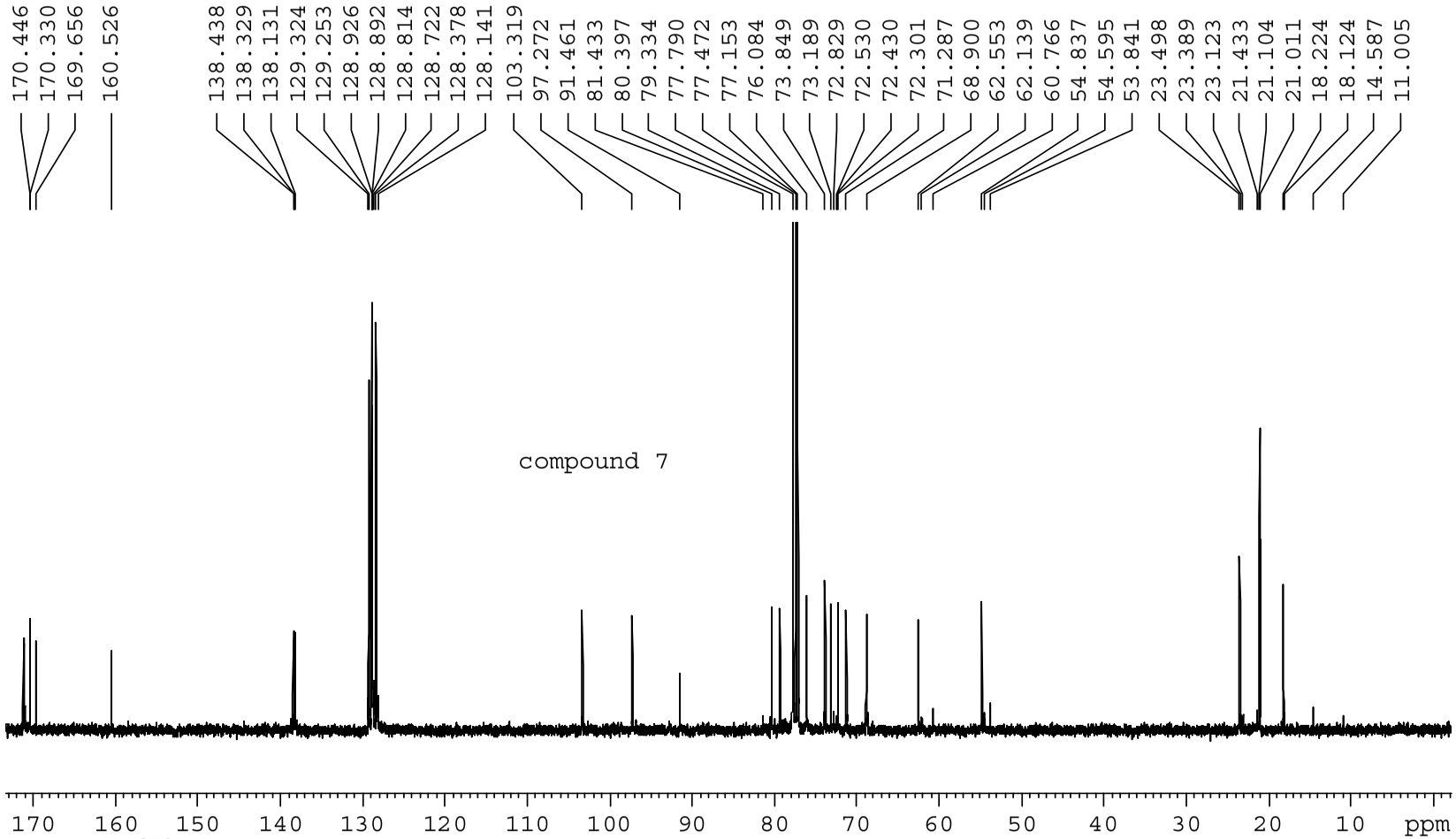


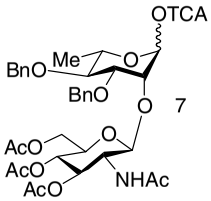
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 7



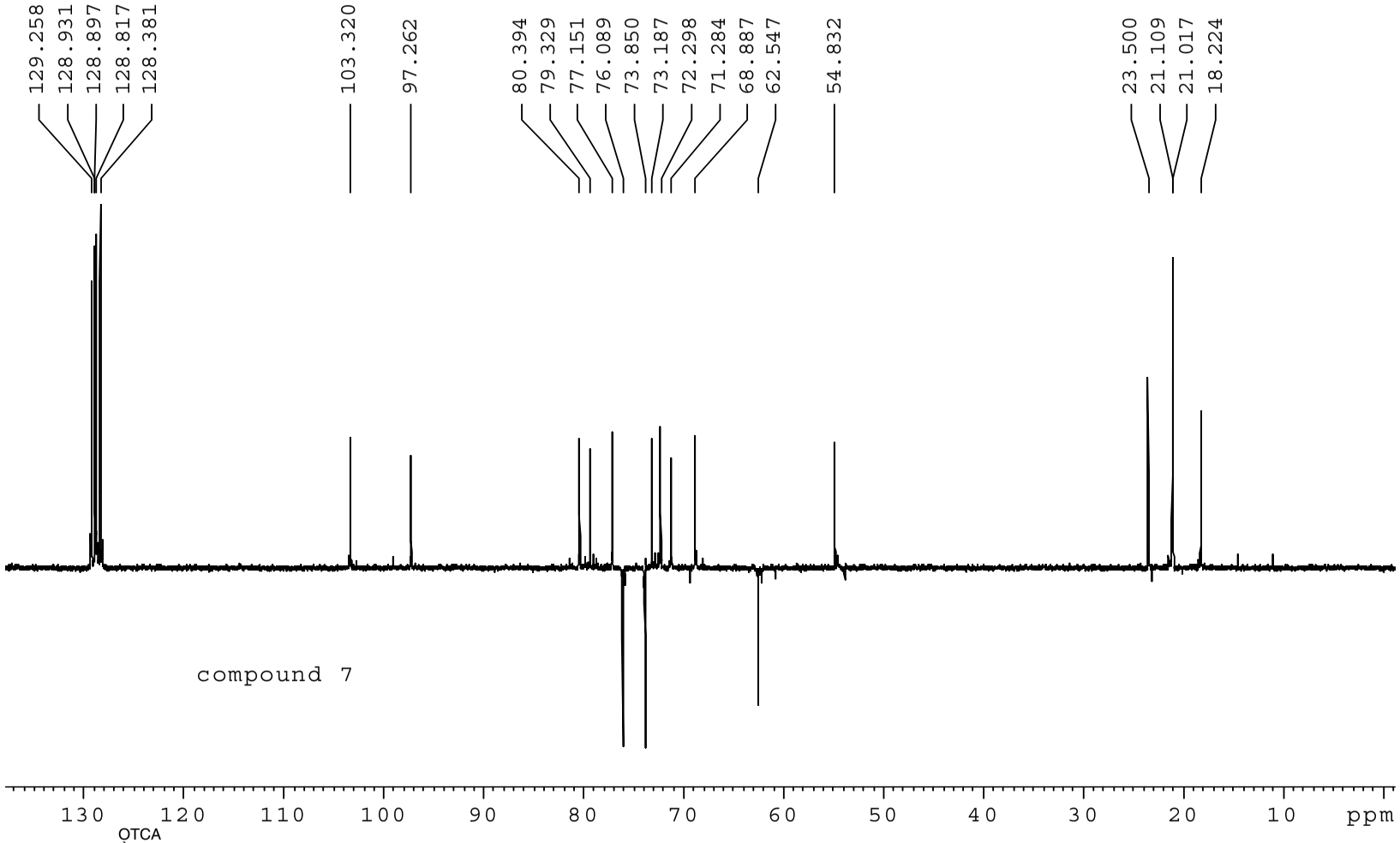


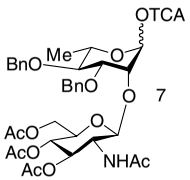
^{13}C NMR spectrum of compound 7



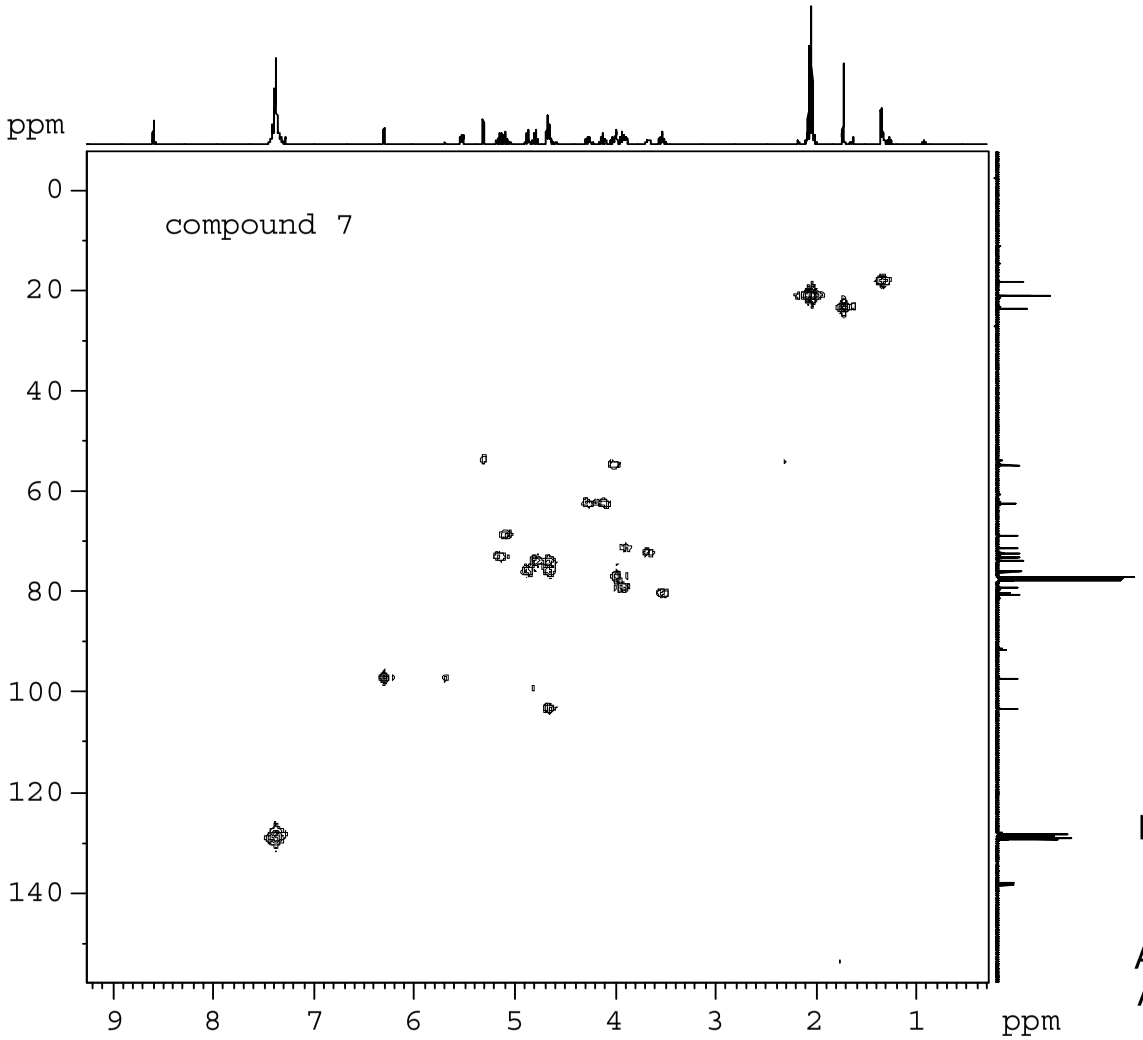


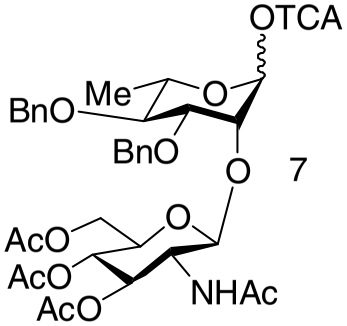
^{13}C (DEPT) NMR spectrum of compound 7



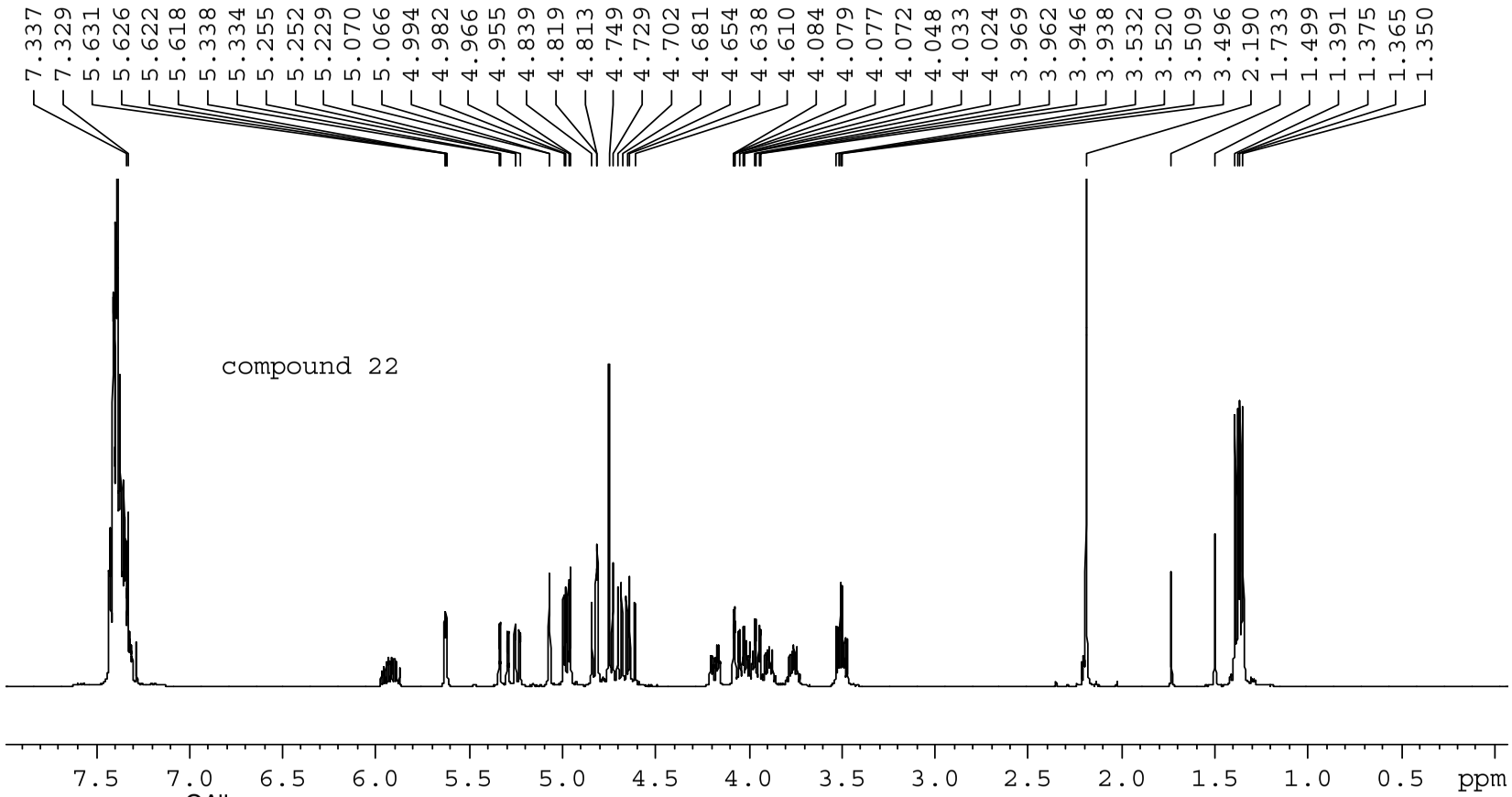


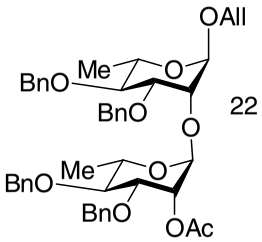
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 7



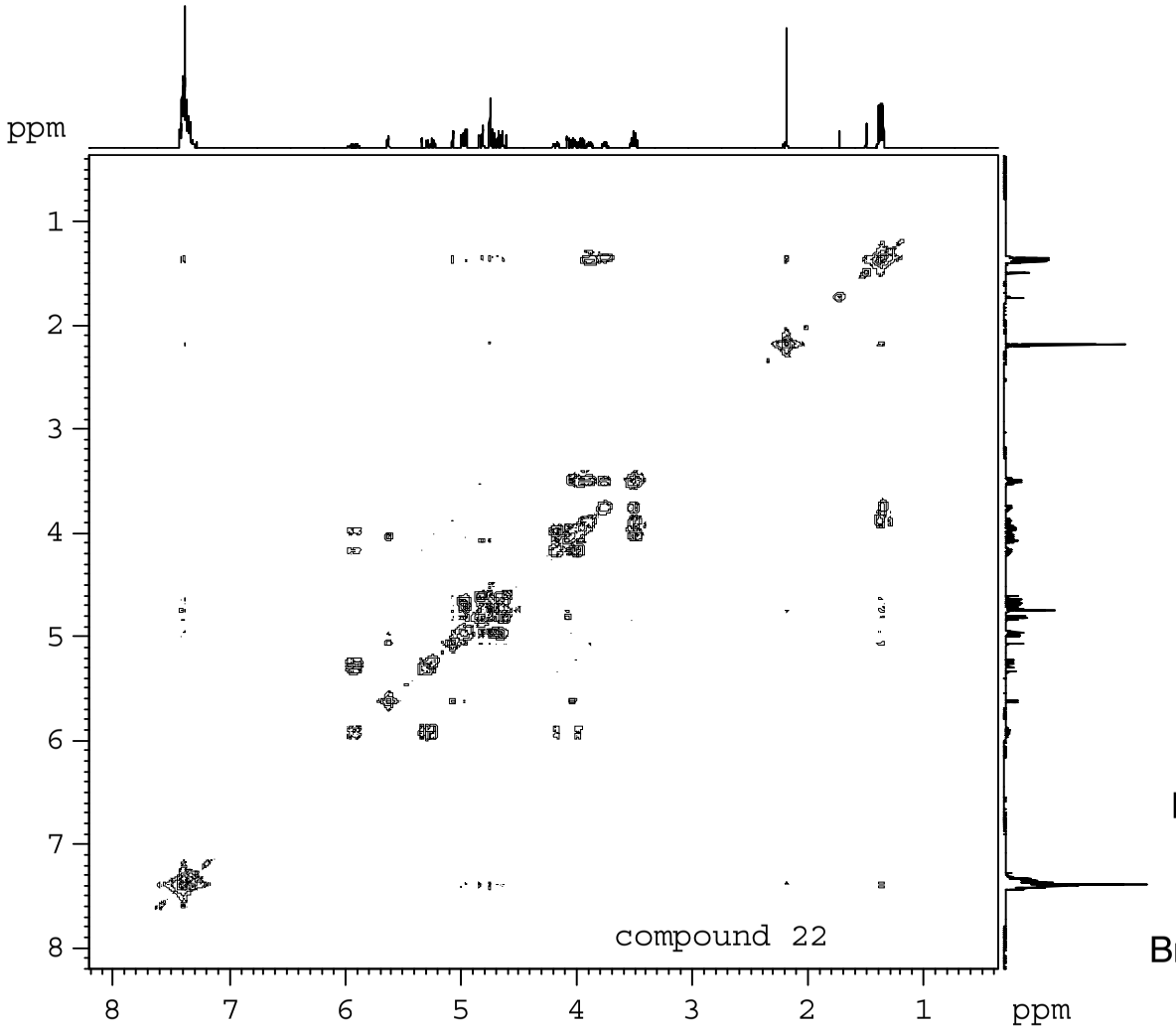


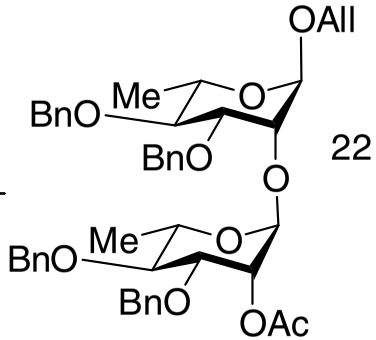
^{1}H spectrum of compound 22



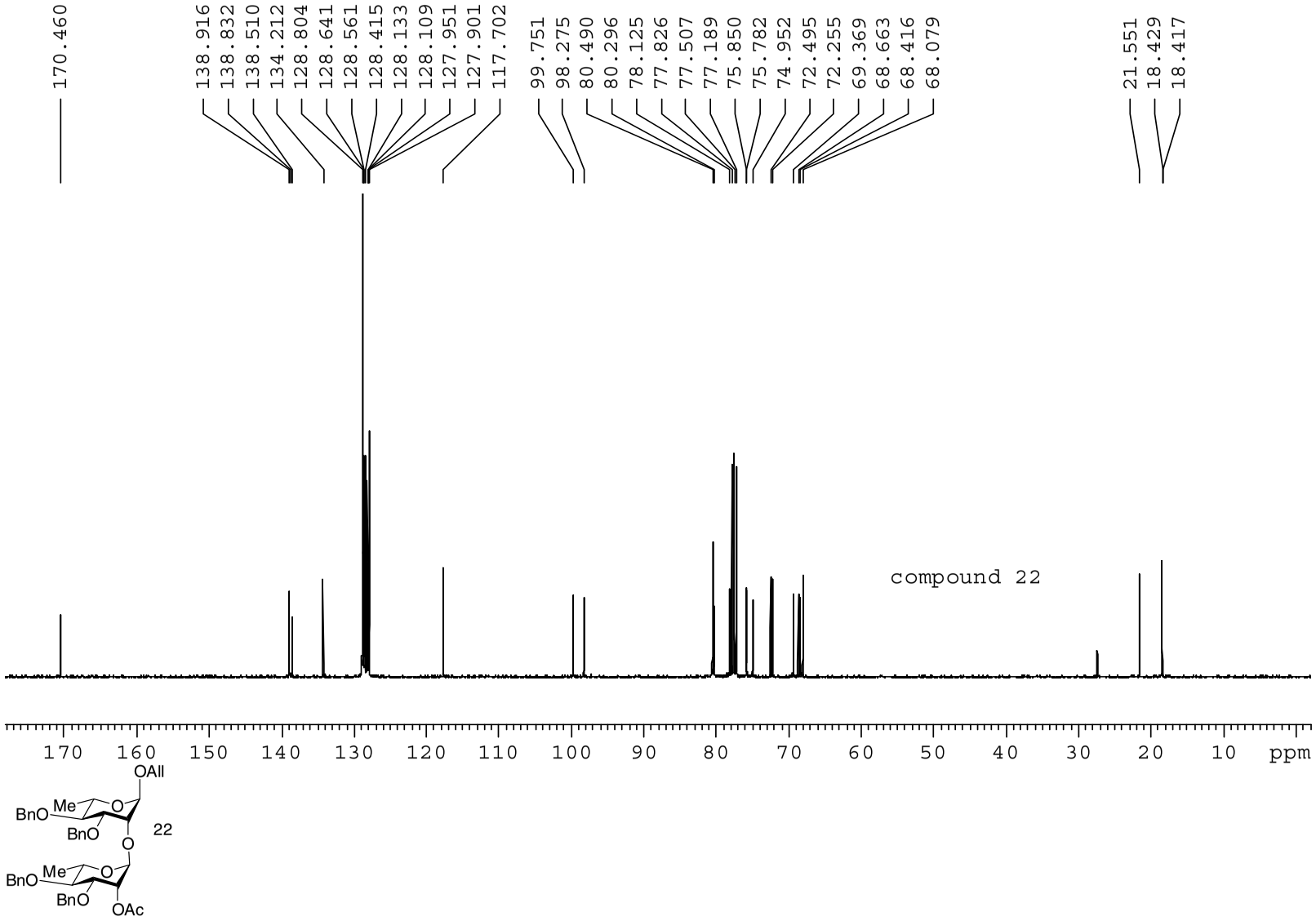


^{1}H-^{1}H NMR 2D-correlation spectrum of compound 22

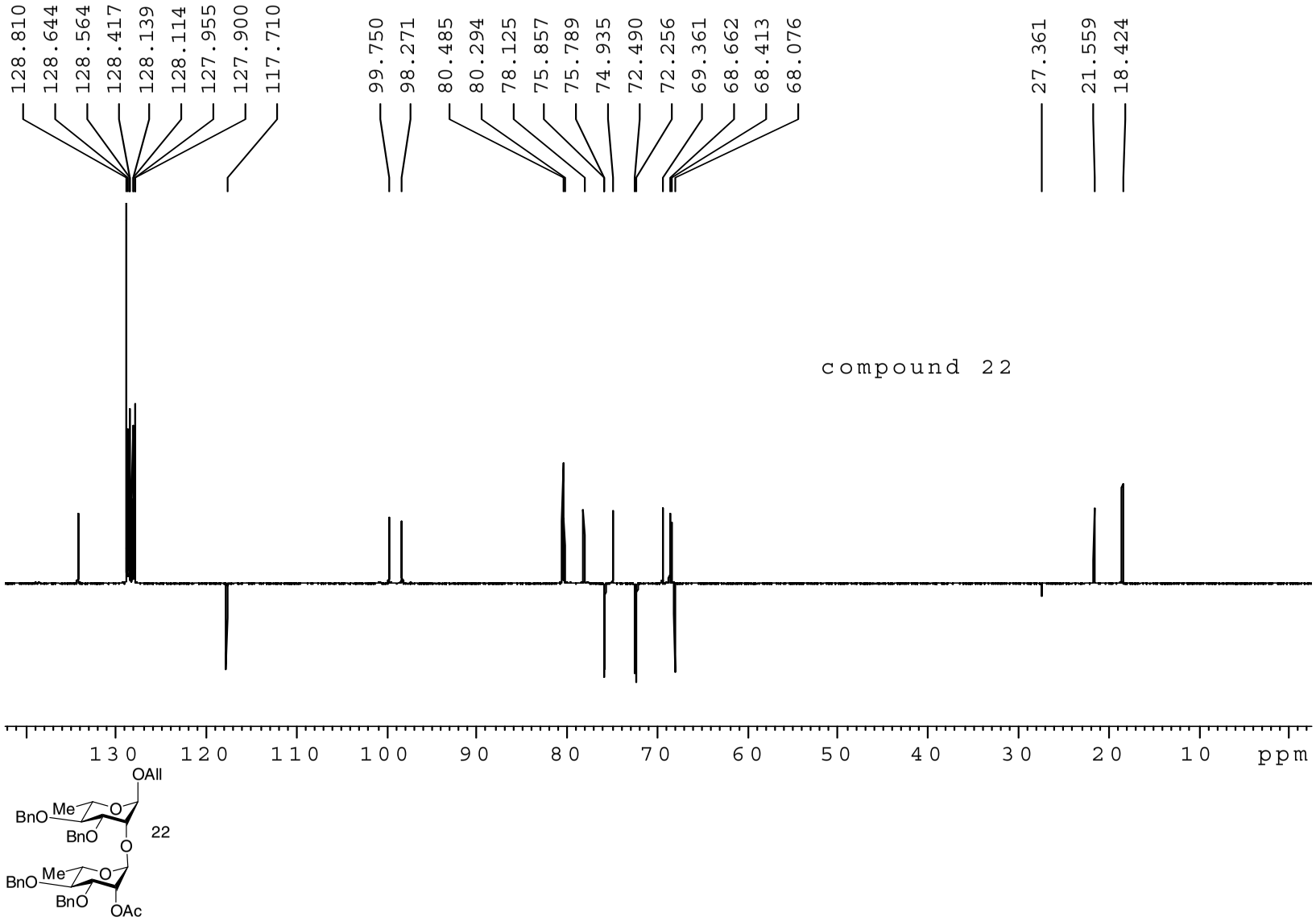




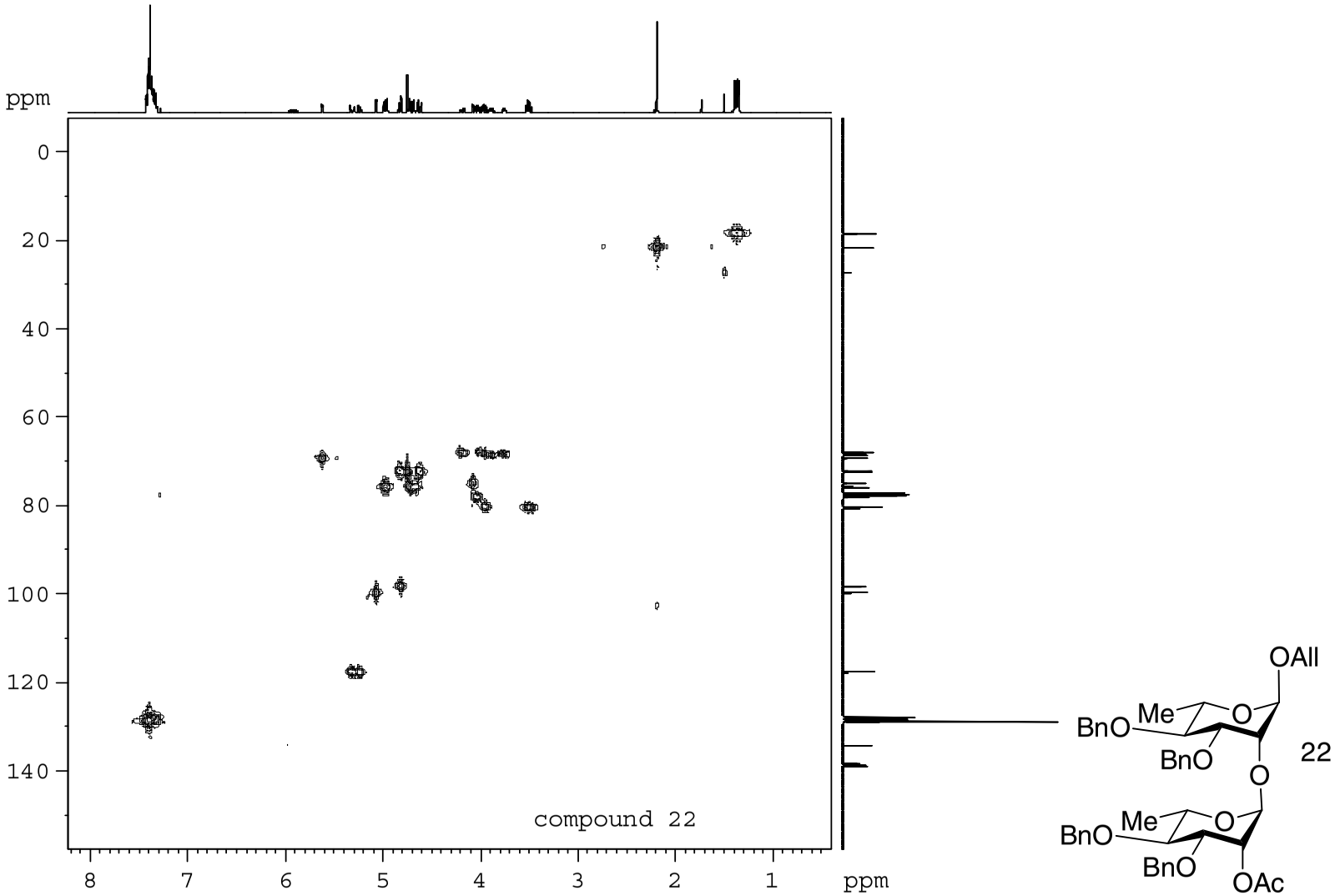
^{13}C NMR spectrum of compound 22



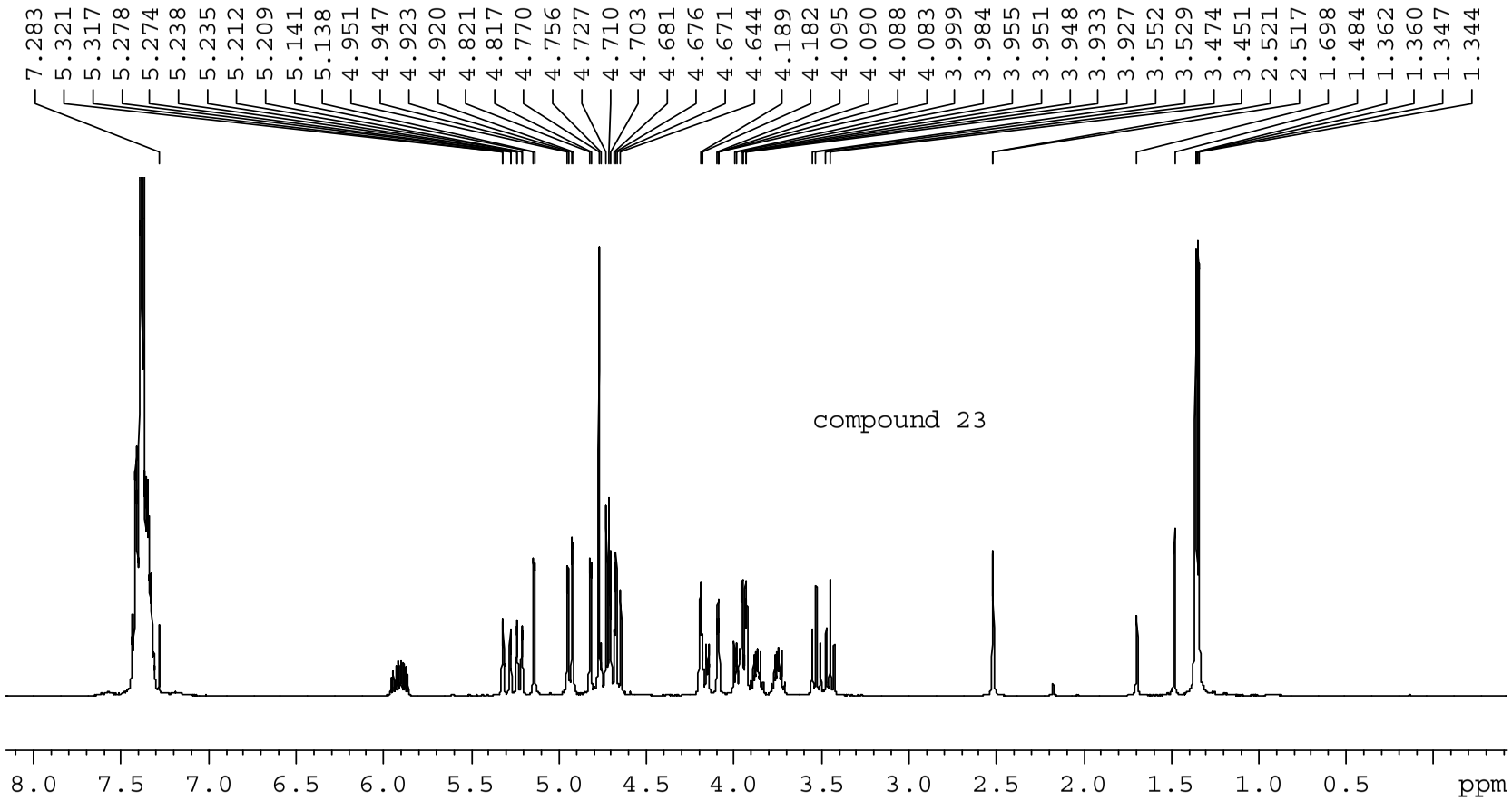
^{13}C (DEPT) NMR spectrum of compound 22

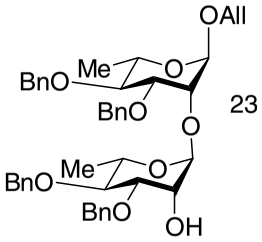


^{1}H-^{13}C NMR 2D-correlation spectrum of compound 22



^{1}H spectrum of compound 23





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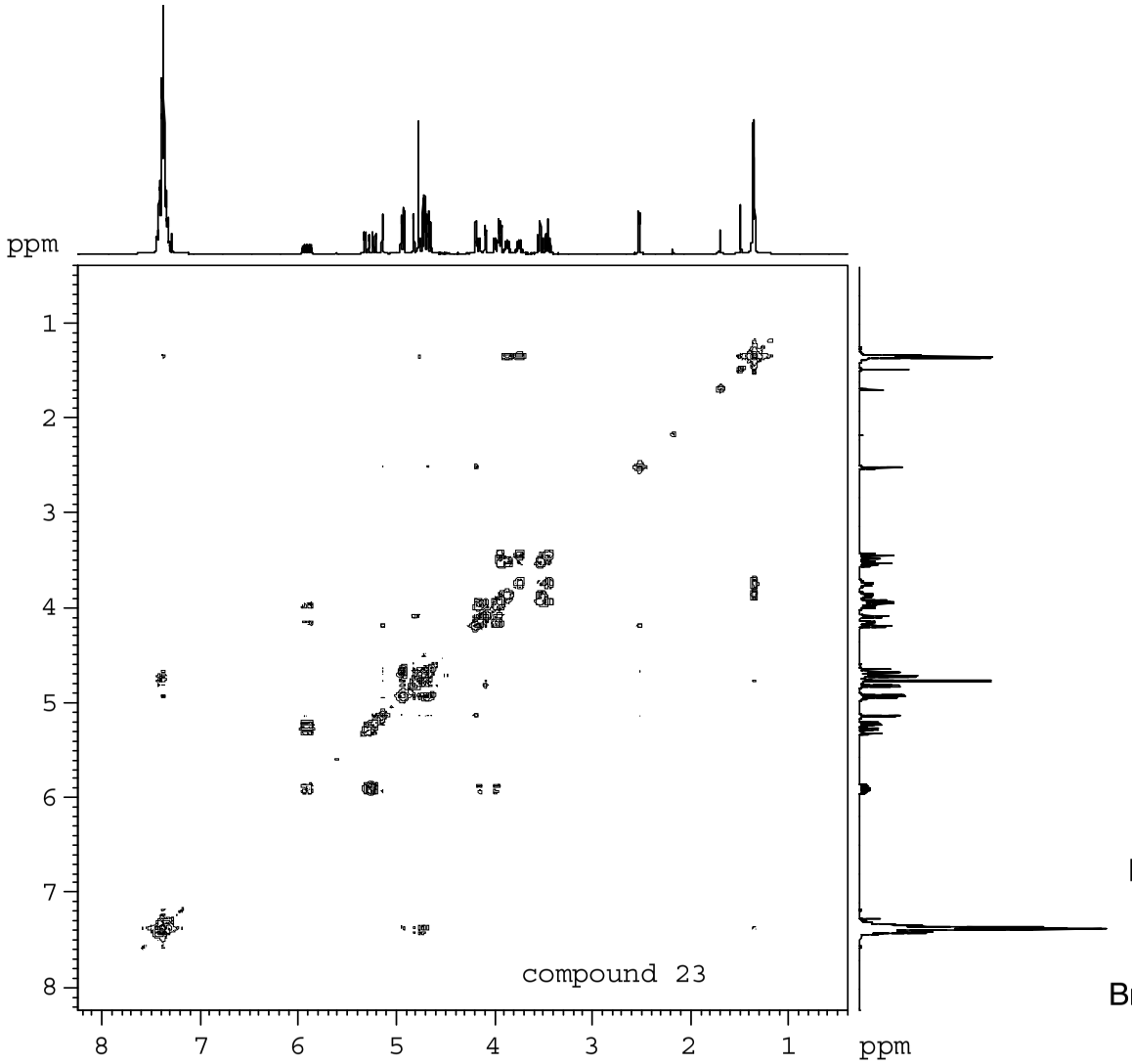
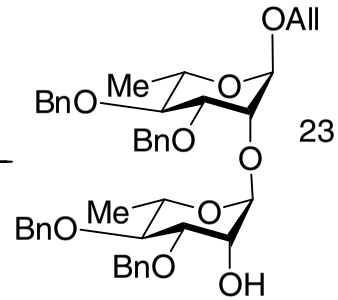
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 23





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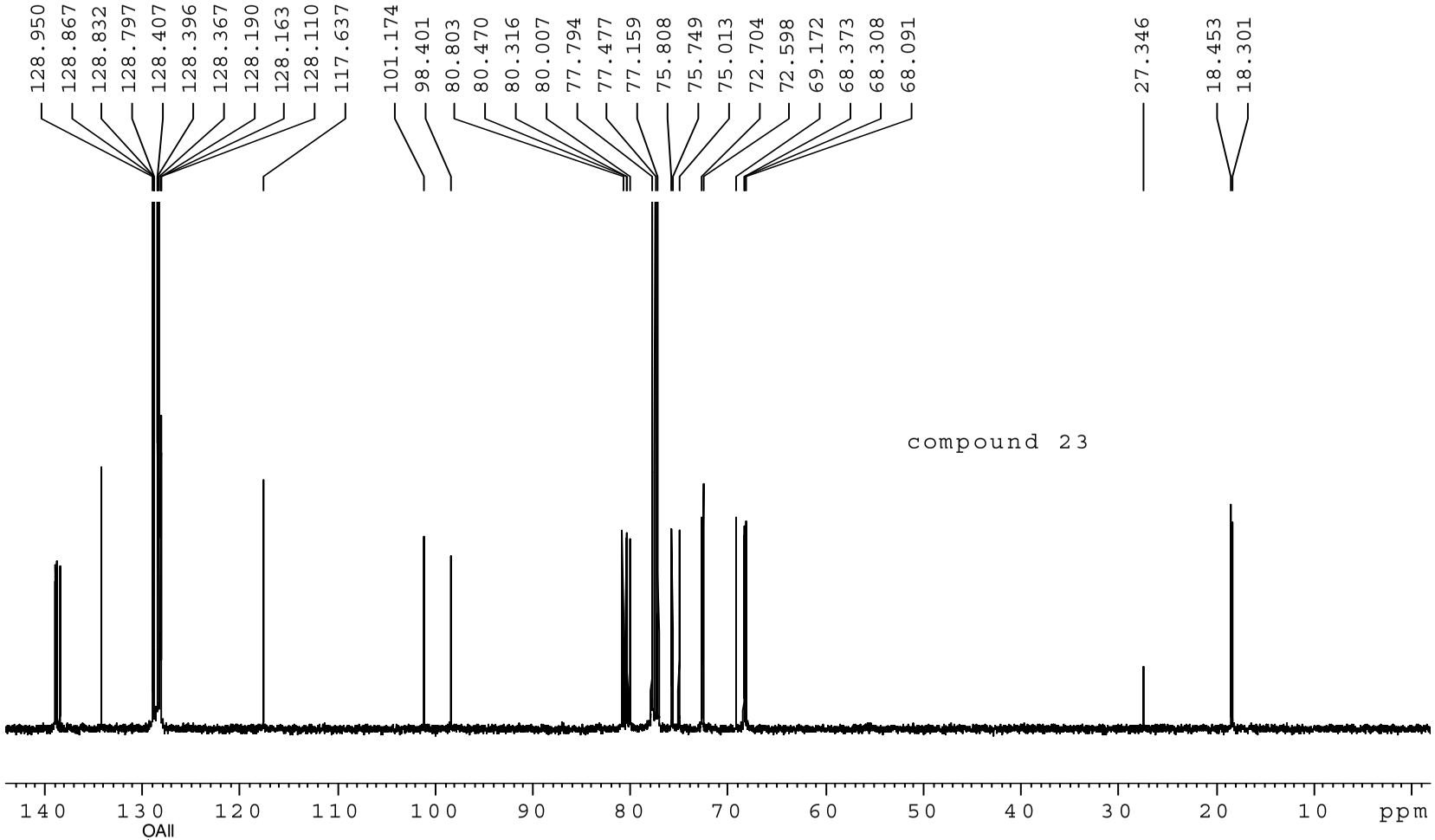
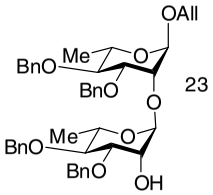
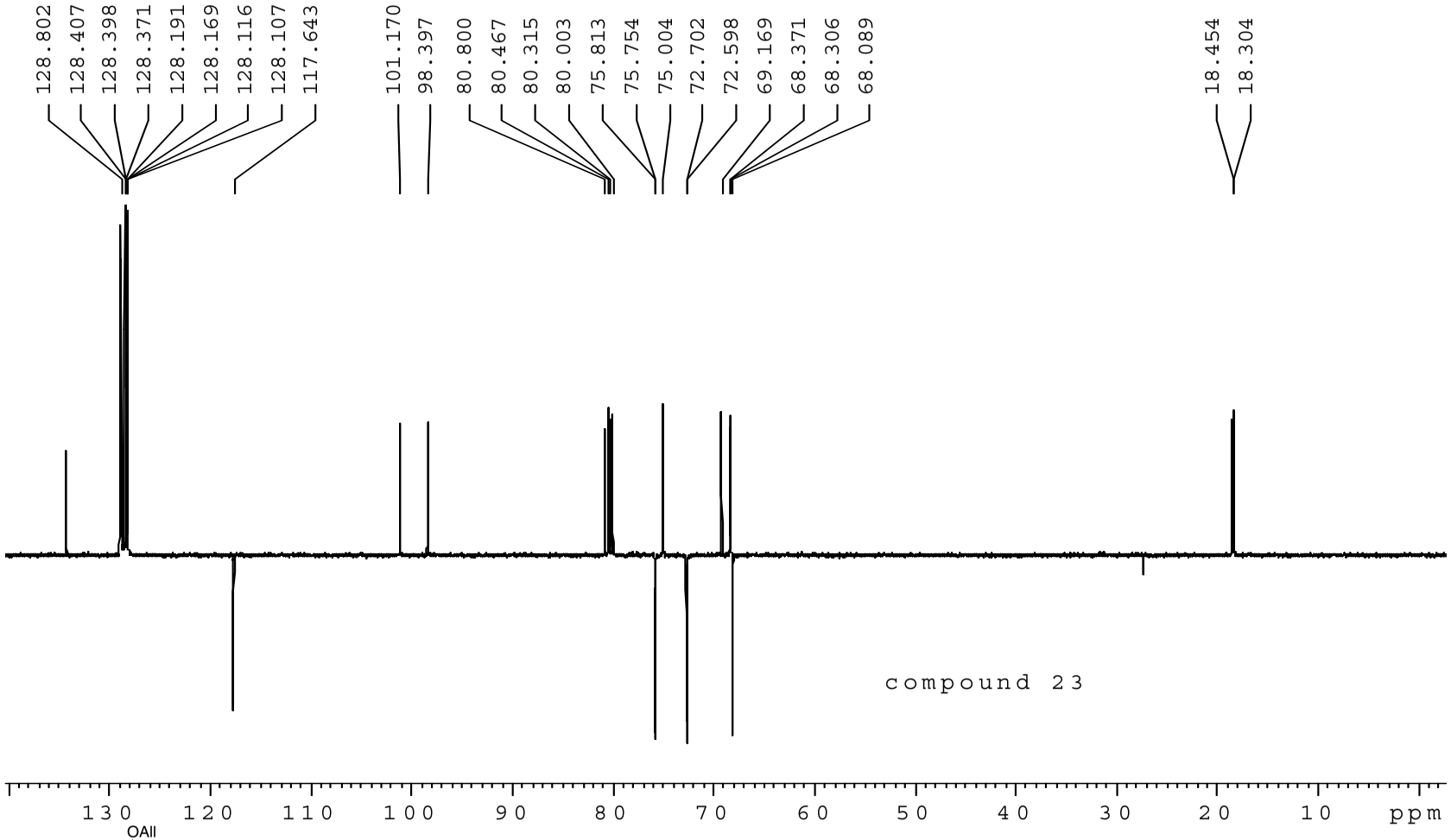
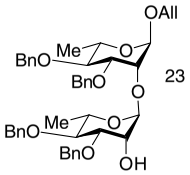
^{13}C NMR spectrum of compound 23



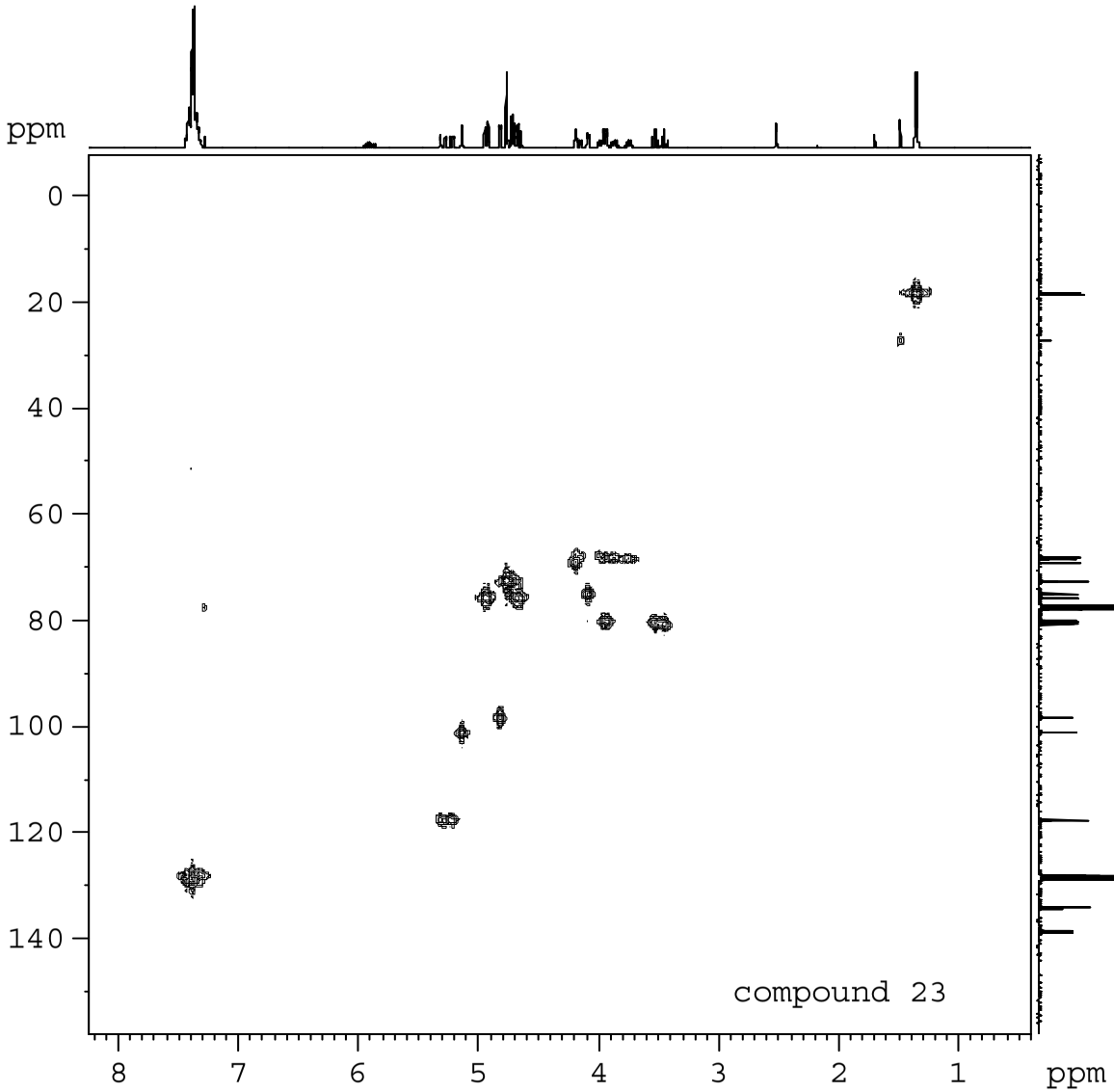


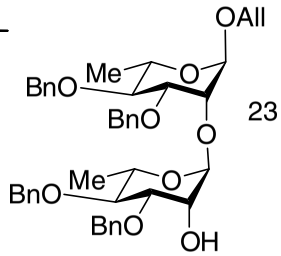
^{13}C (DEPT) NMR spectrum of compound 23





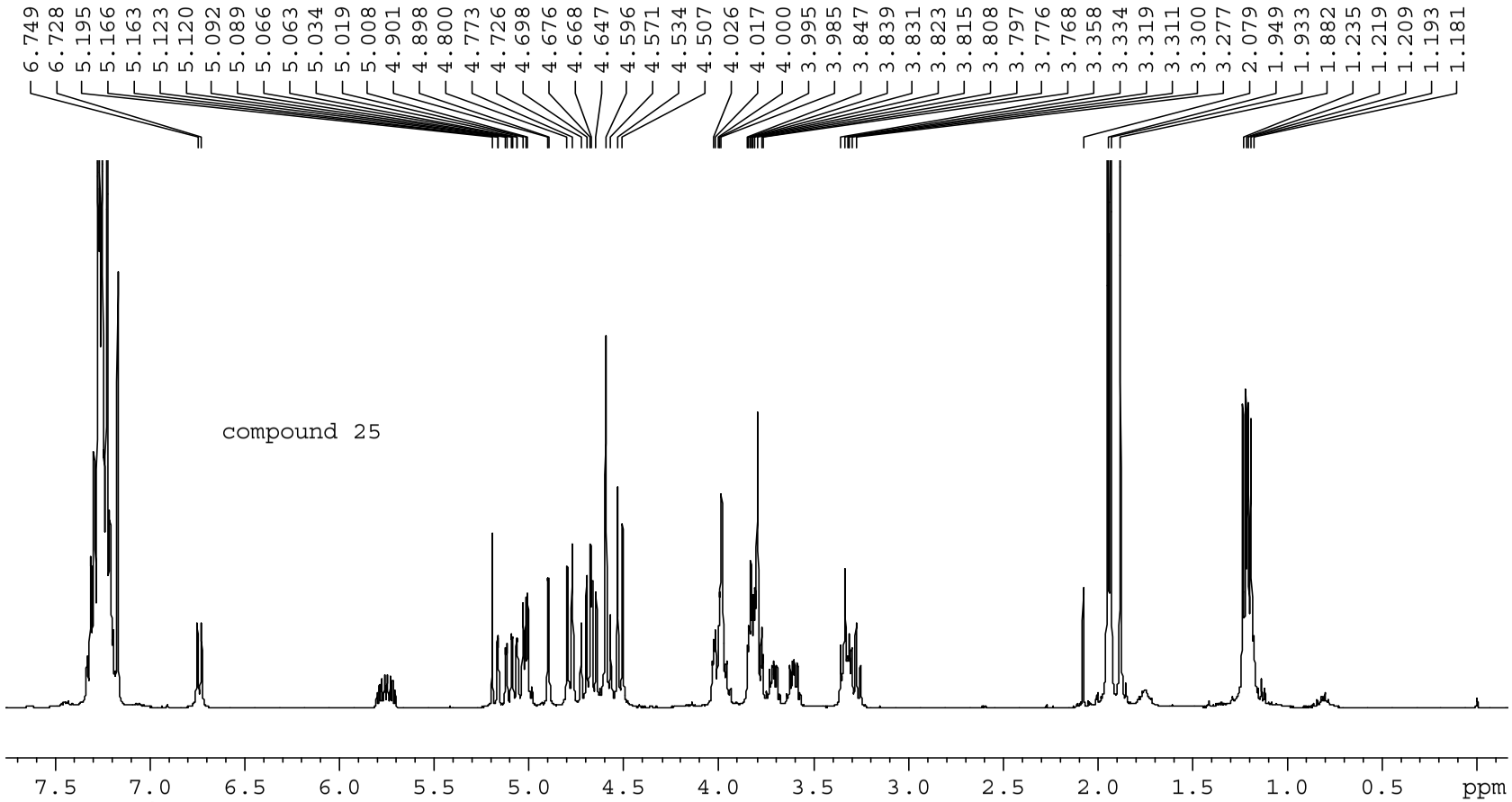
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 23

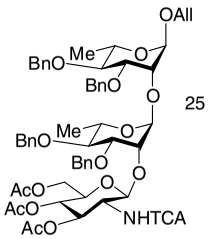




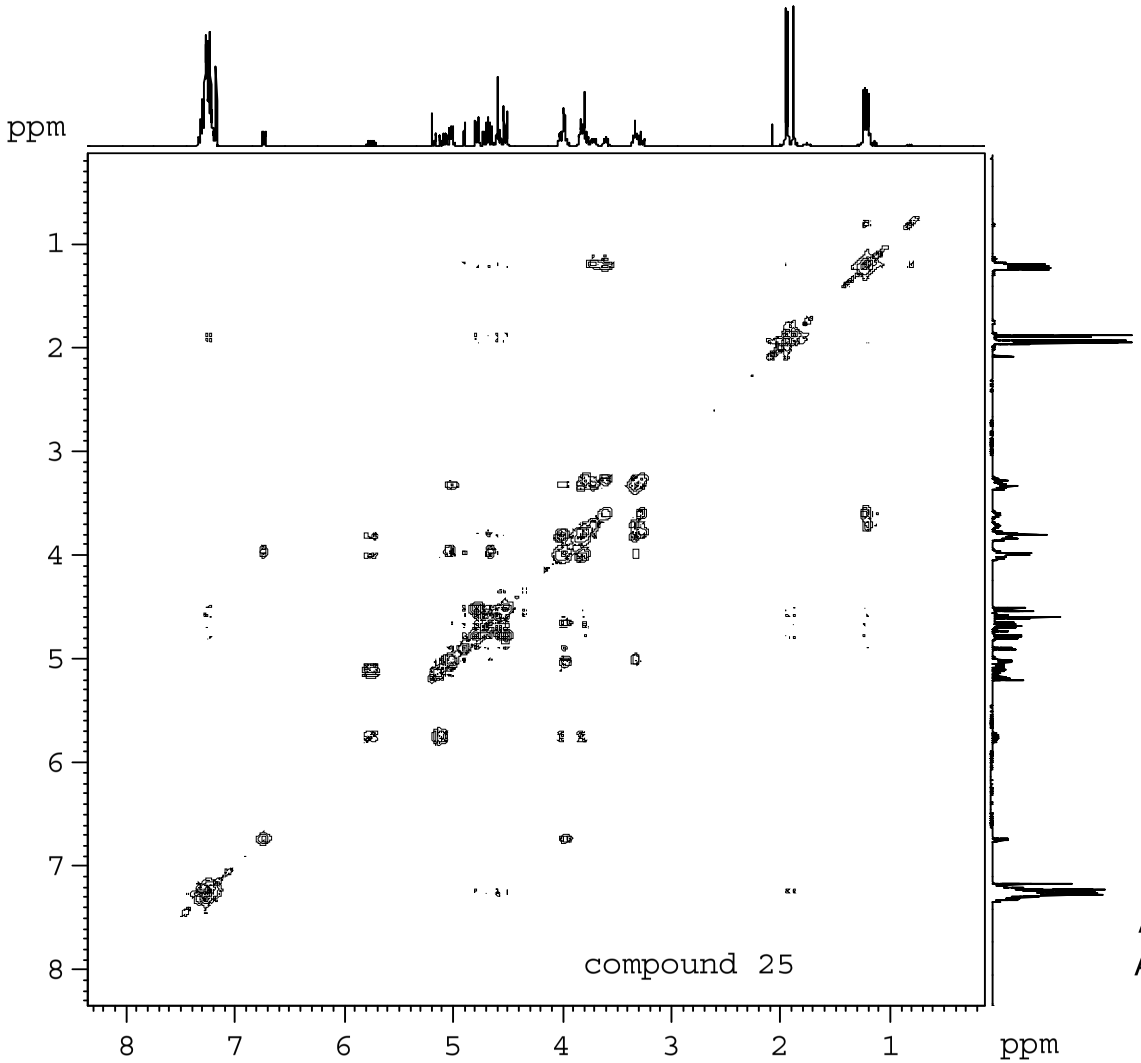
23

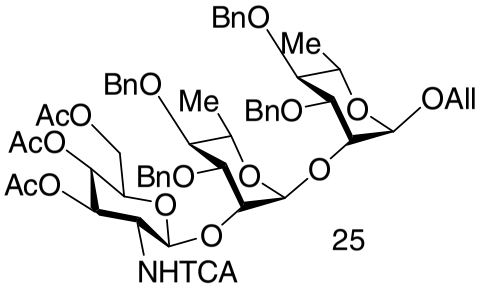
^{1}H spectrum of compound 25



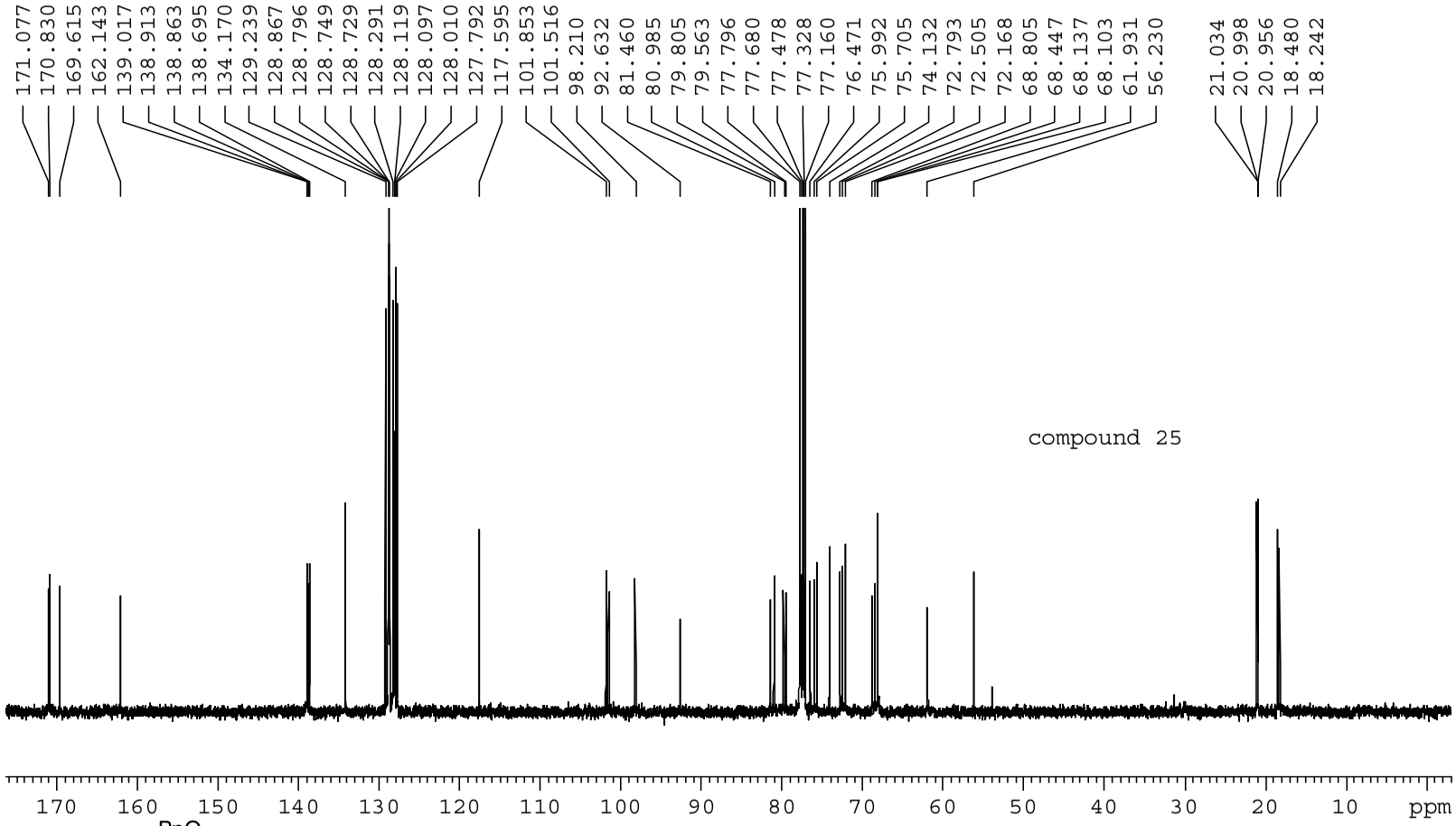


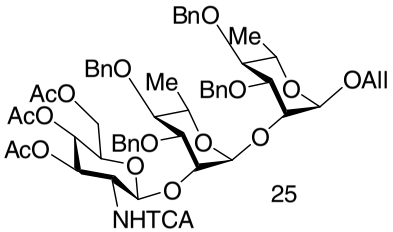
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 25



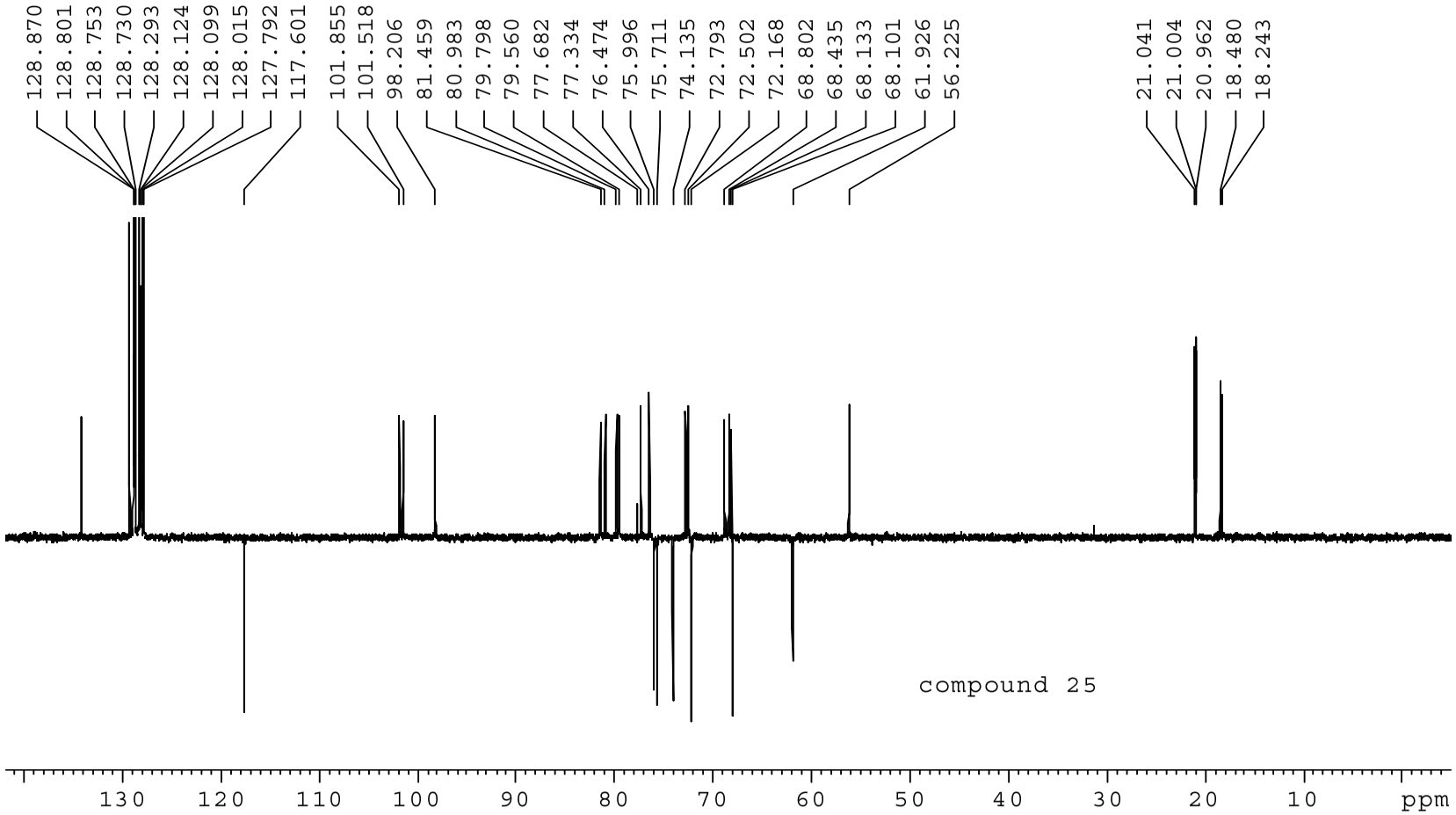


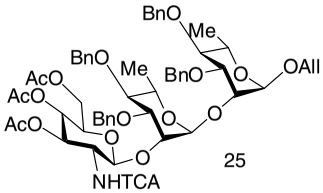
^{13}C NMR spectrum of compound 25



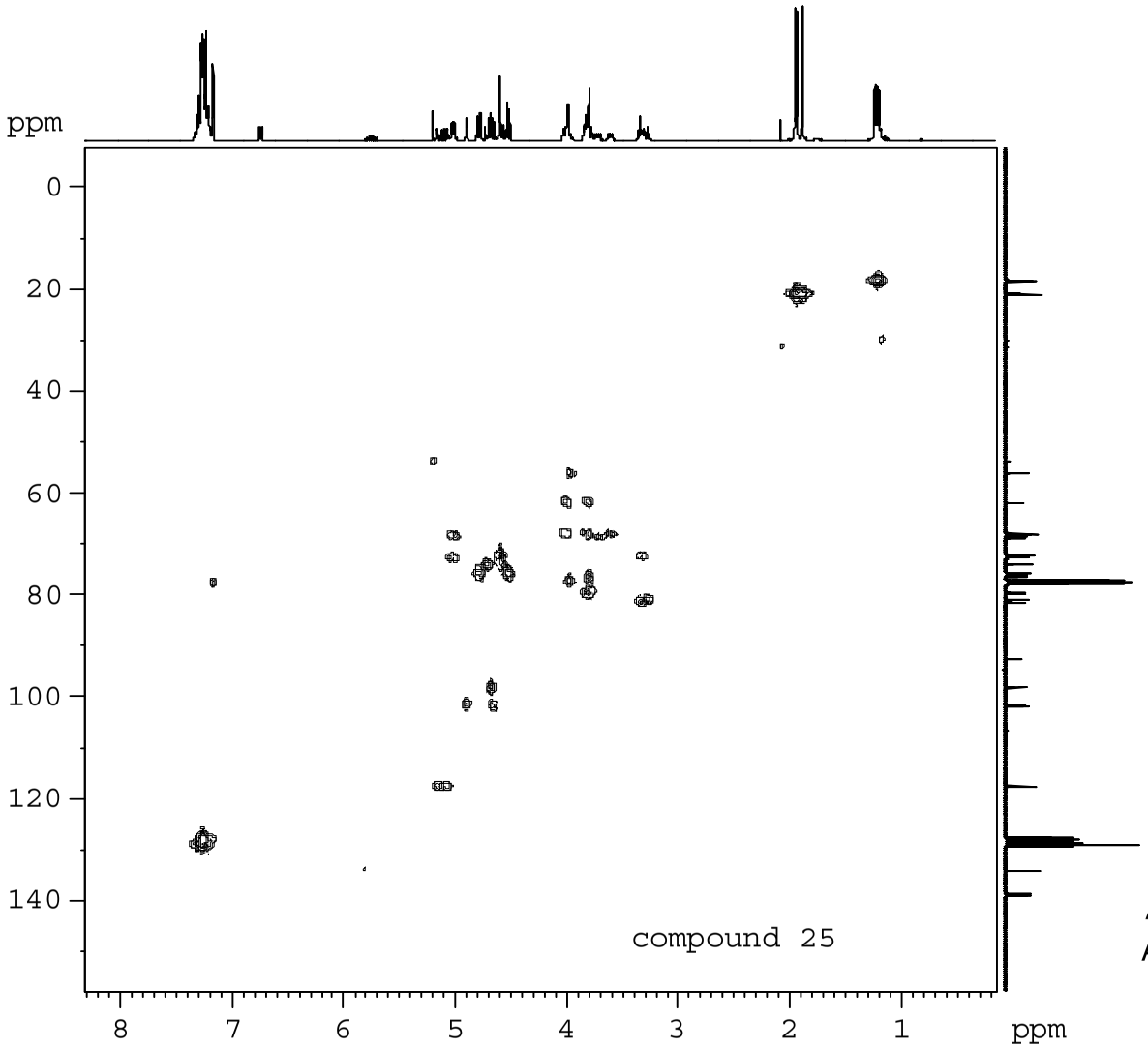


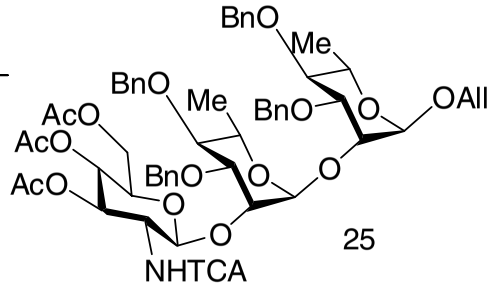
^{13}C (DEPT) NMR spectrum of compound 25



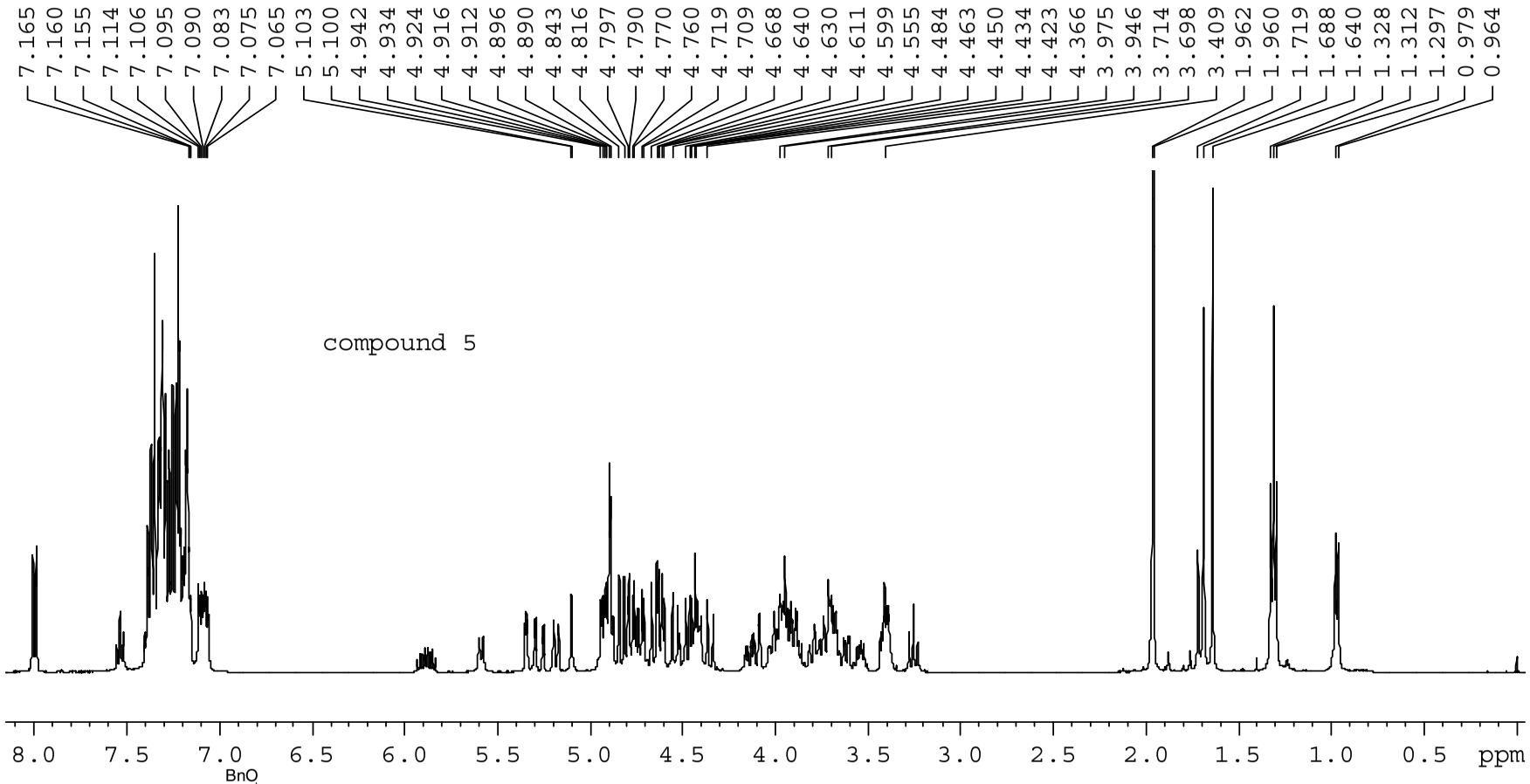


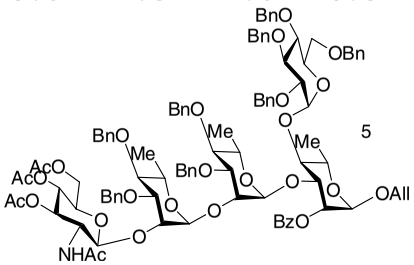
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 25



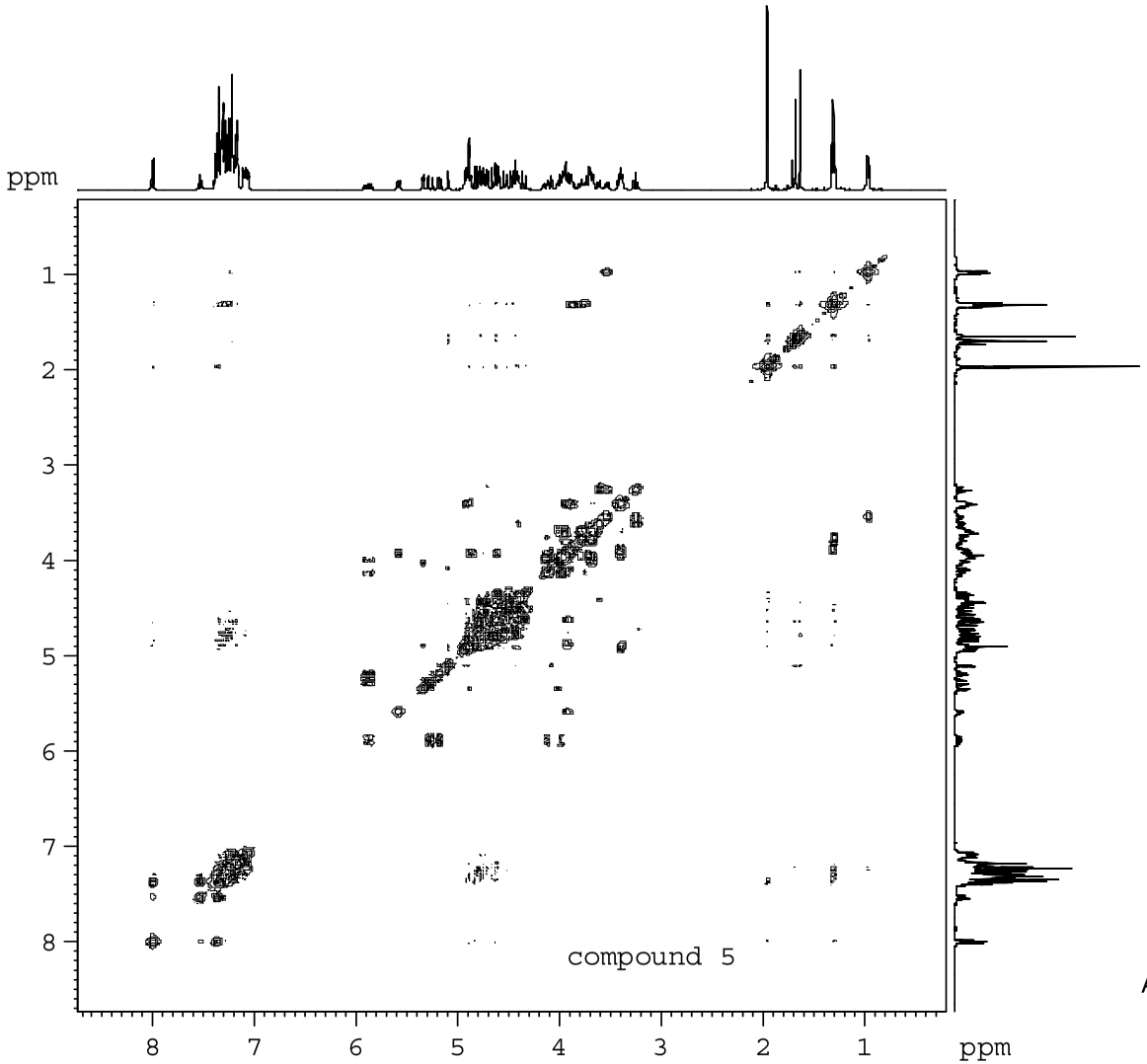


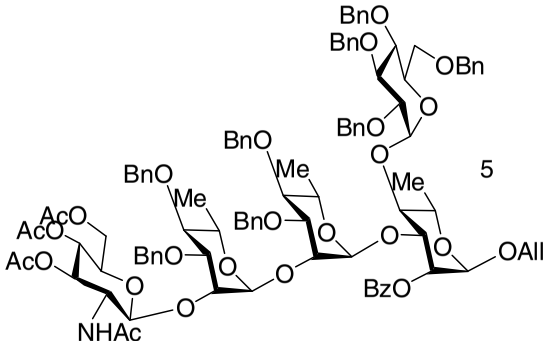
^{1}H spectrum of compound 5



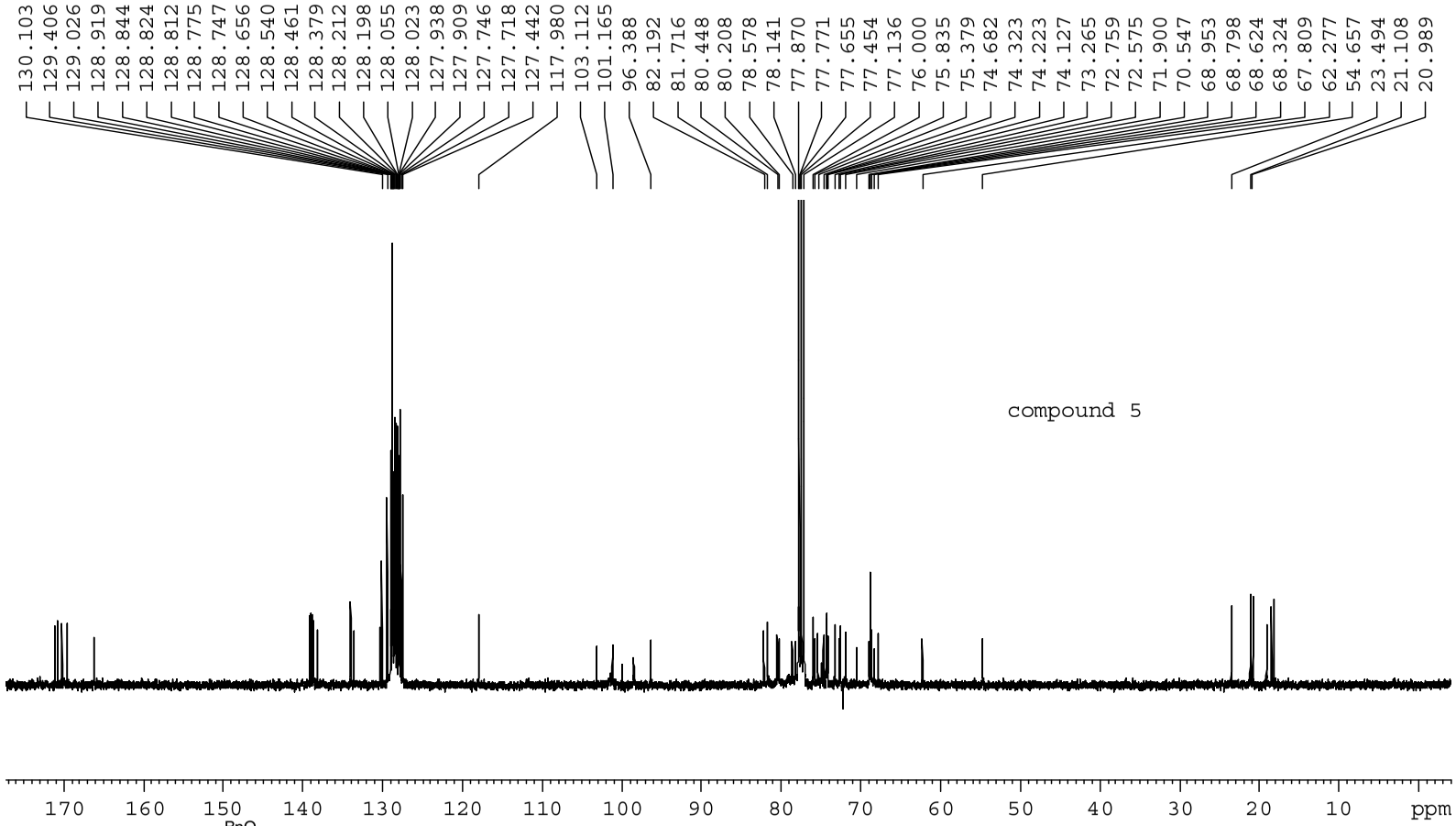


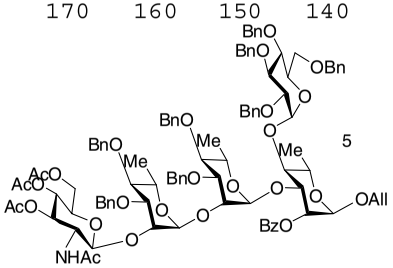
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 5



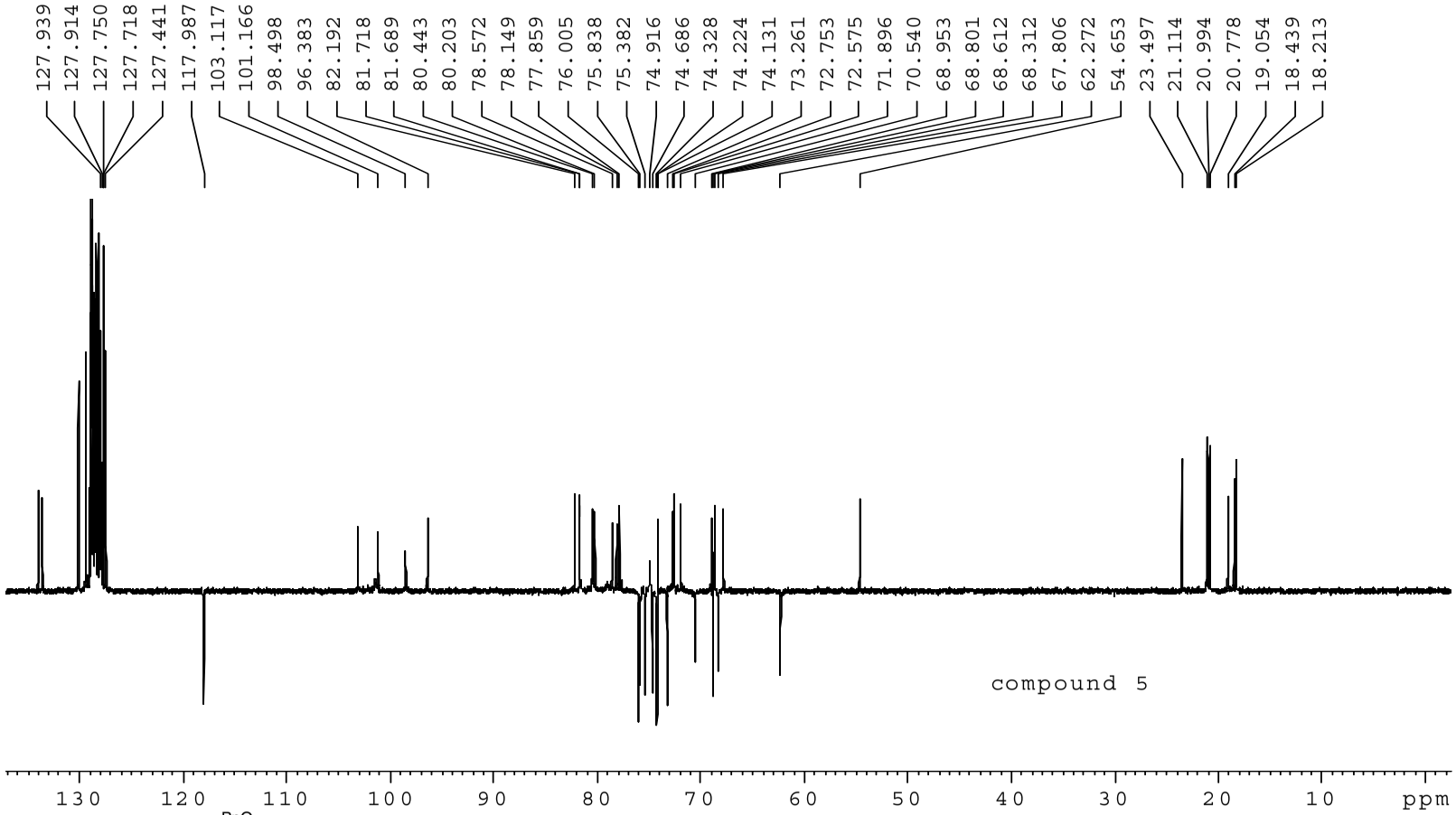


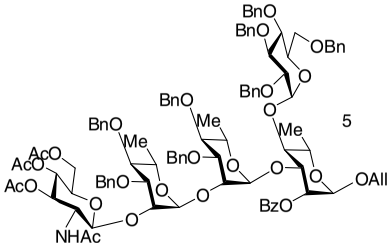
^{13}C NMR spectrum of compound 5



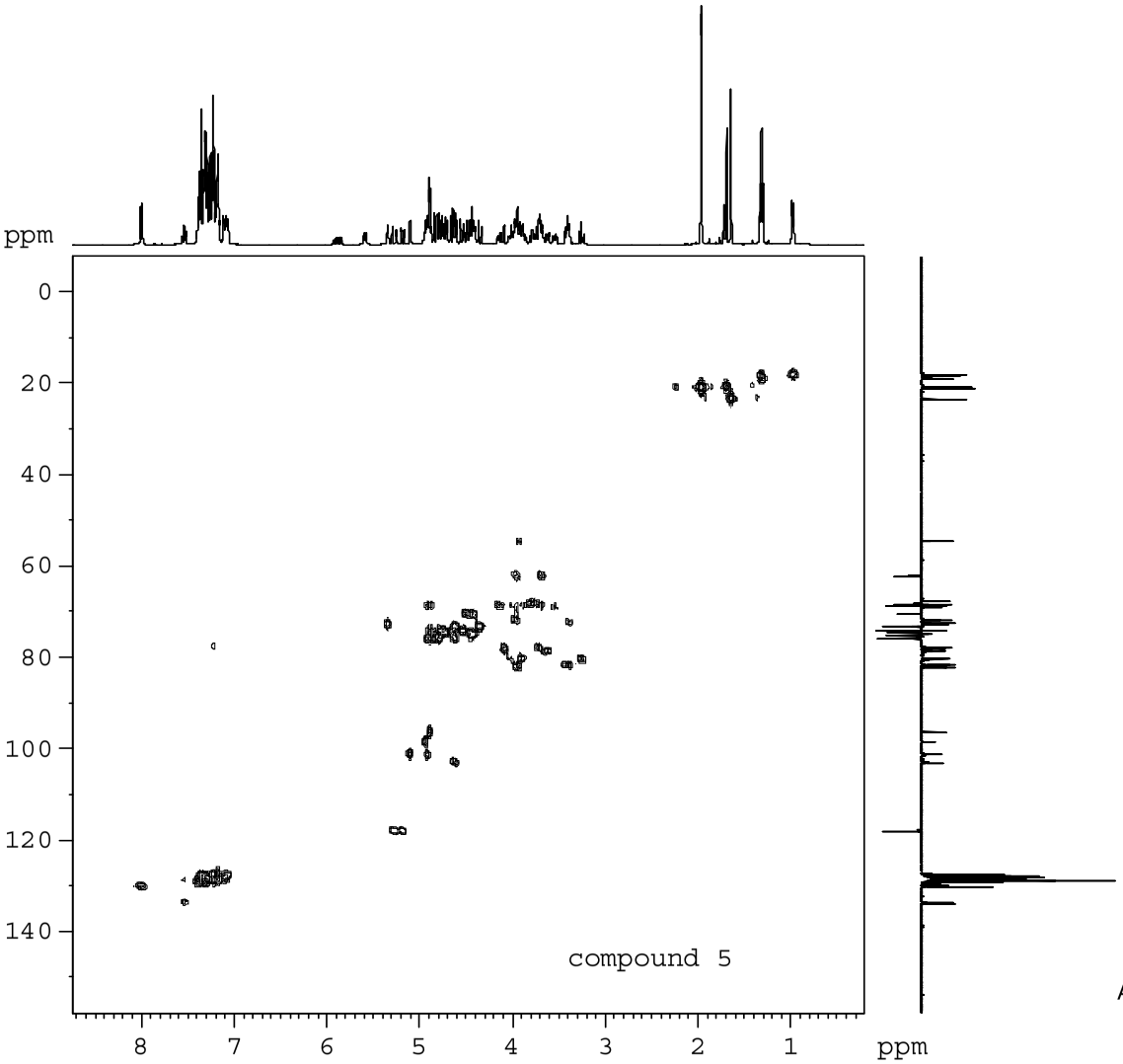


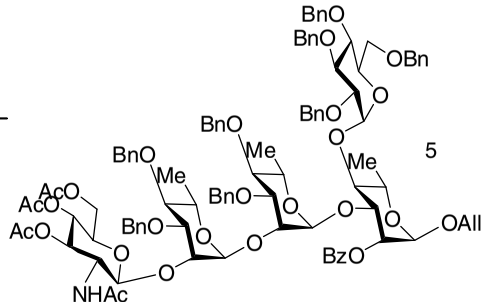
^{13}C (DEPT) NMR spectrum of compound 5



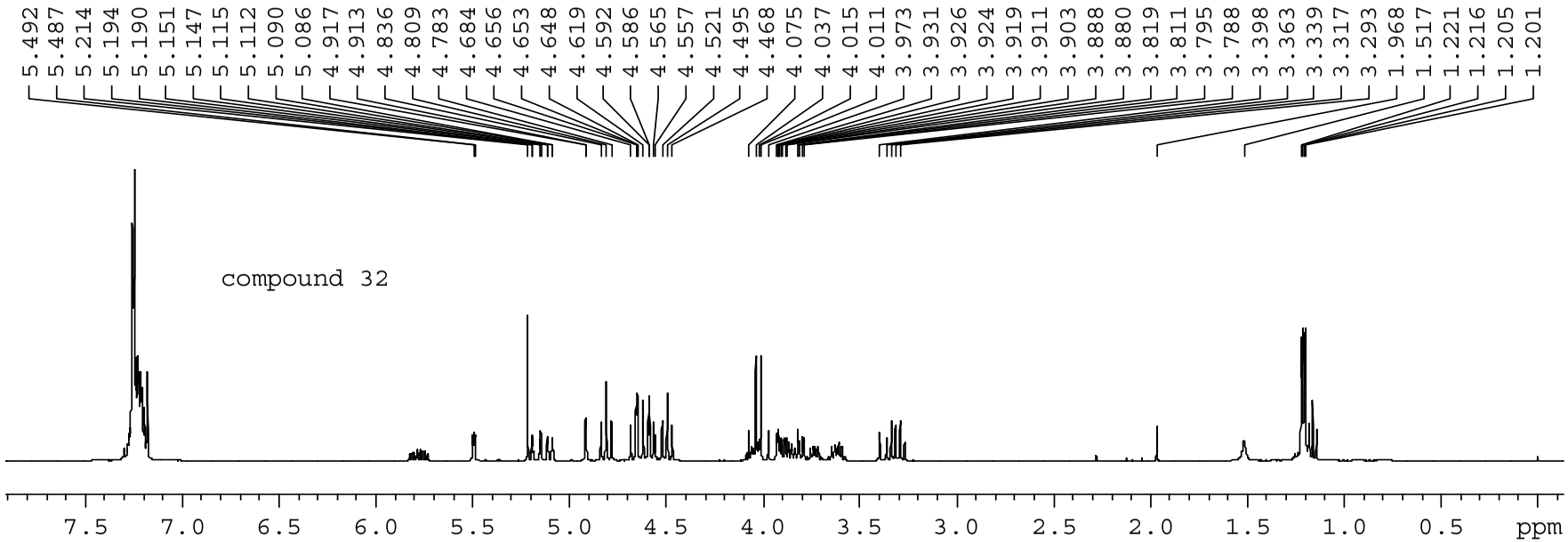


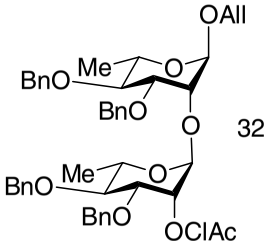
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 5



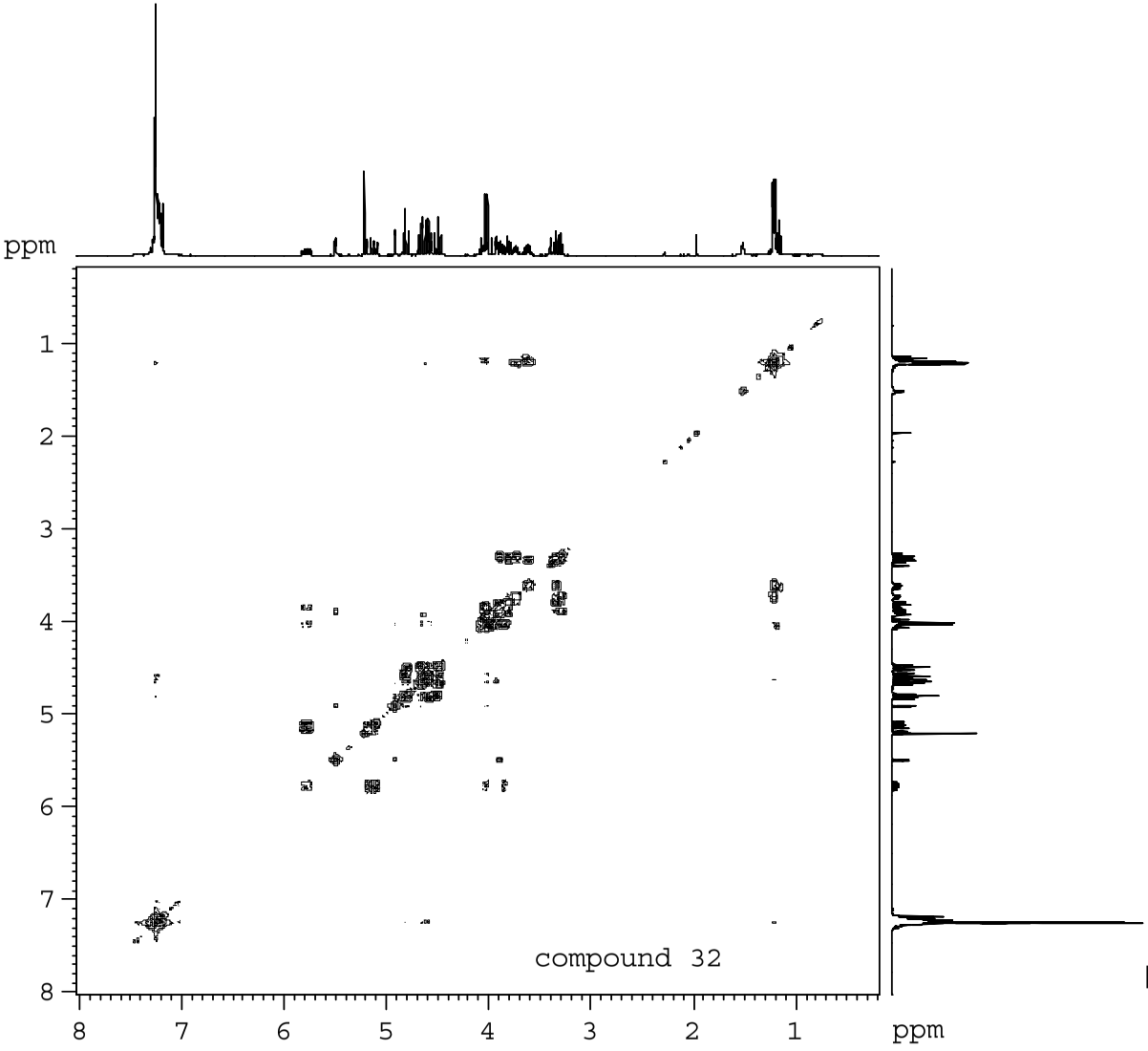


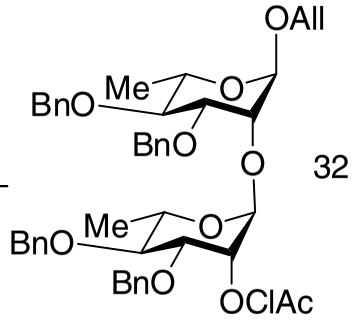
^{1}H spectrum of compound 32



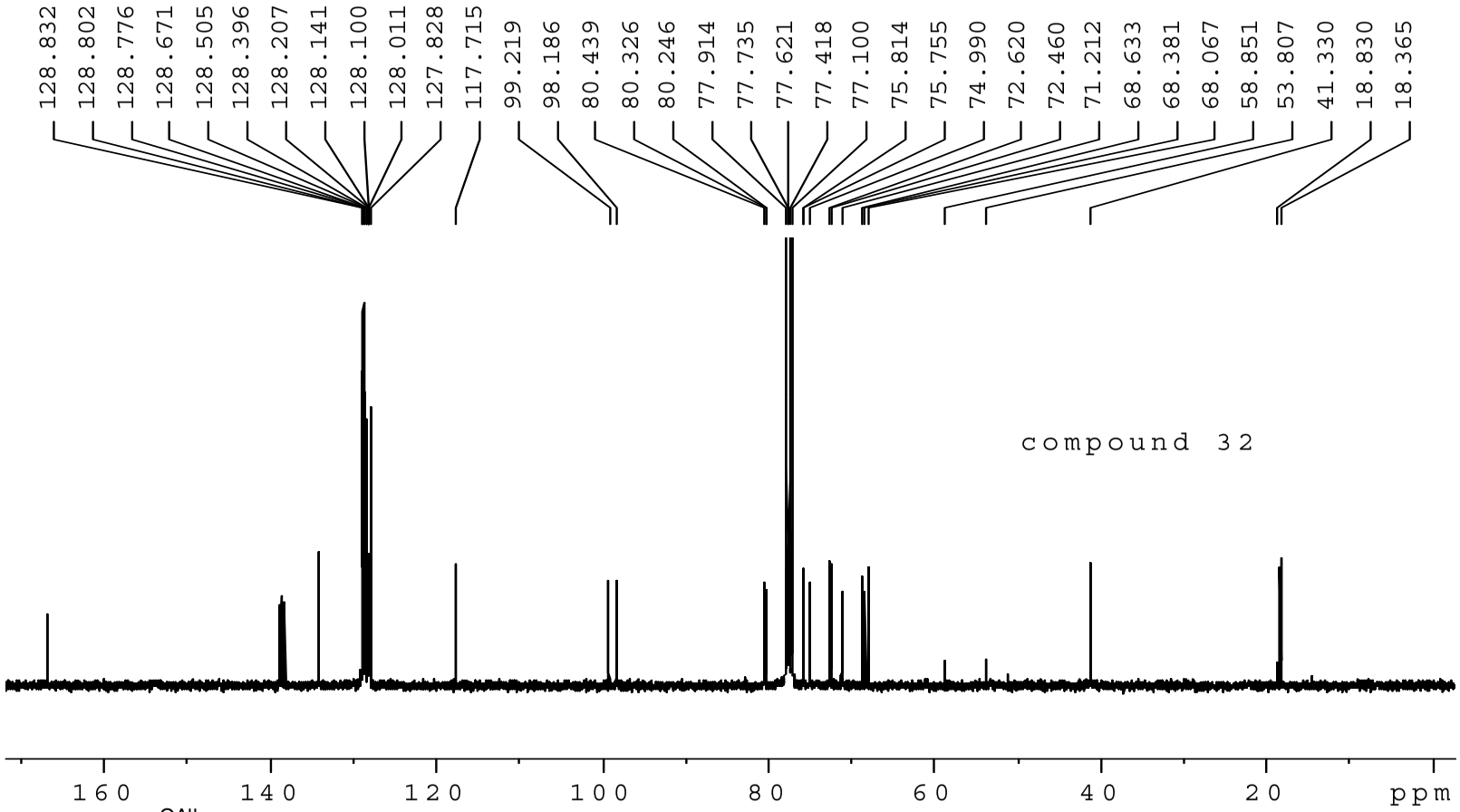


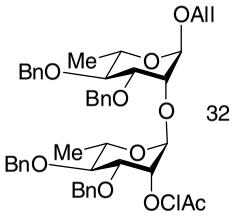
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 32



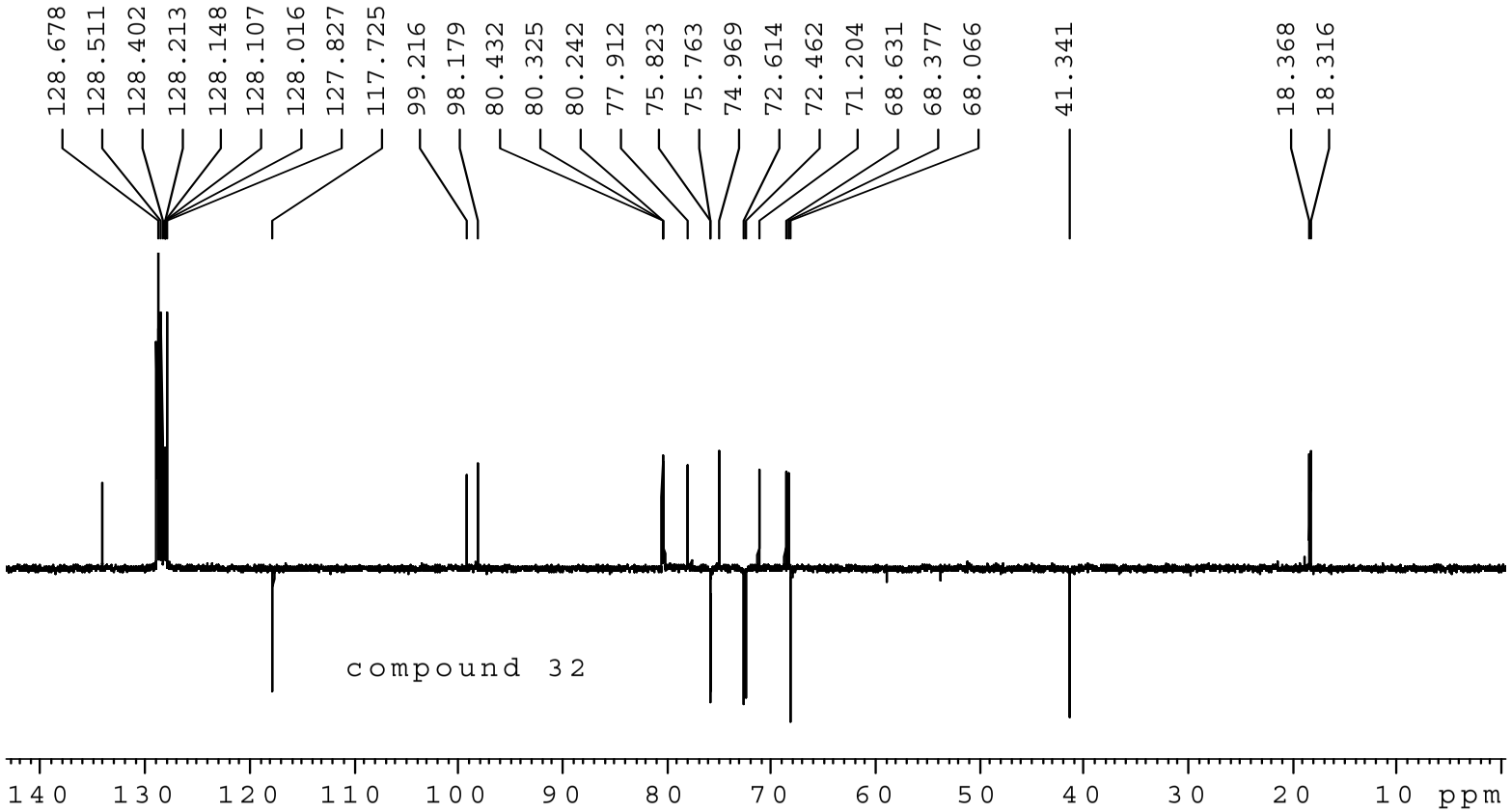


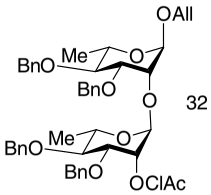
^{13}C NMR spectrum of compound 32



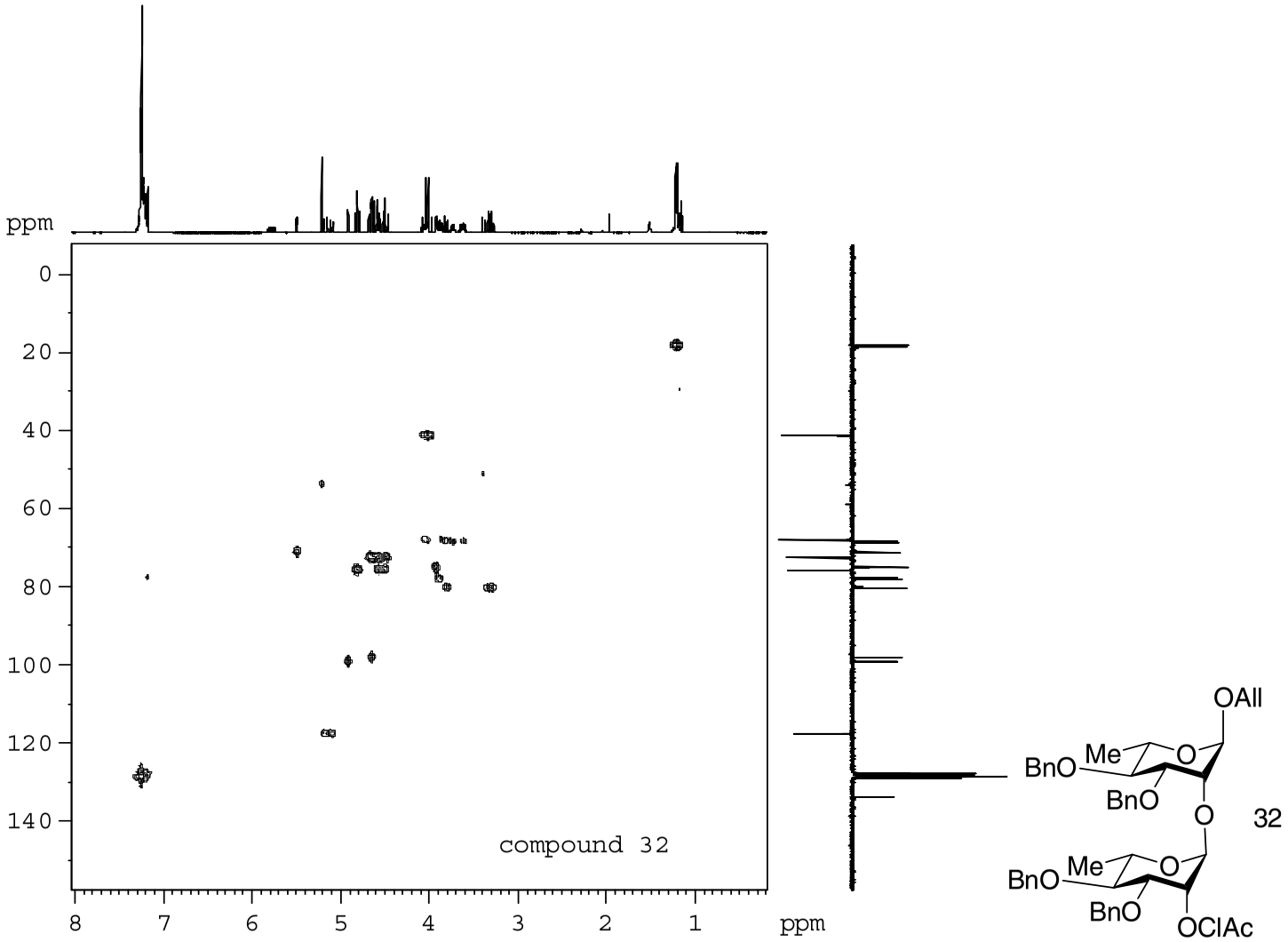


^{13}C (DEPT) NMR spectrum of compound 32

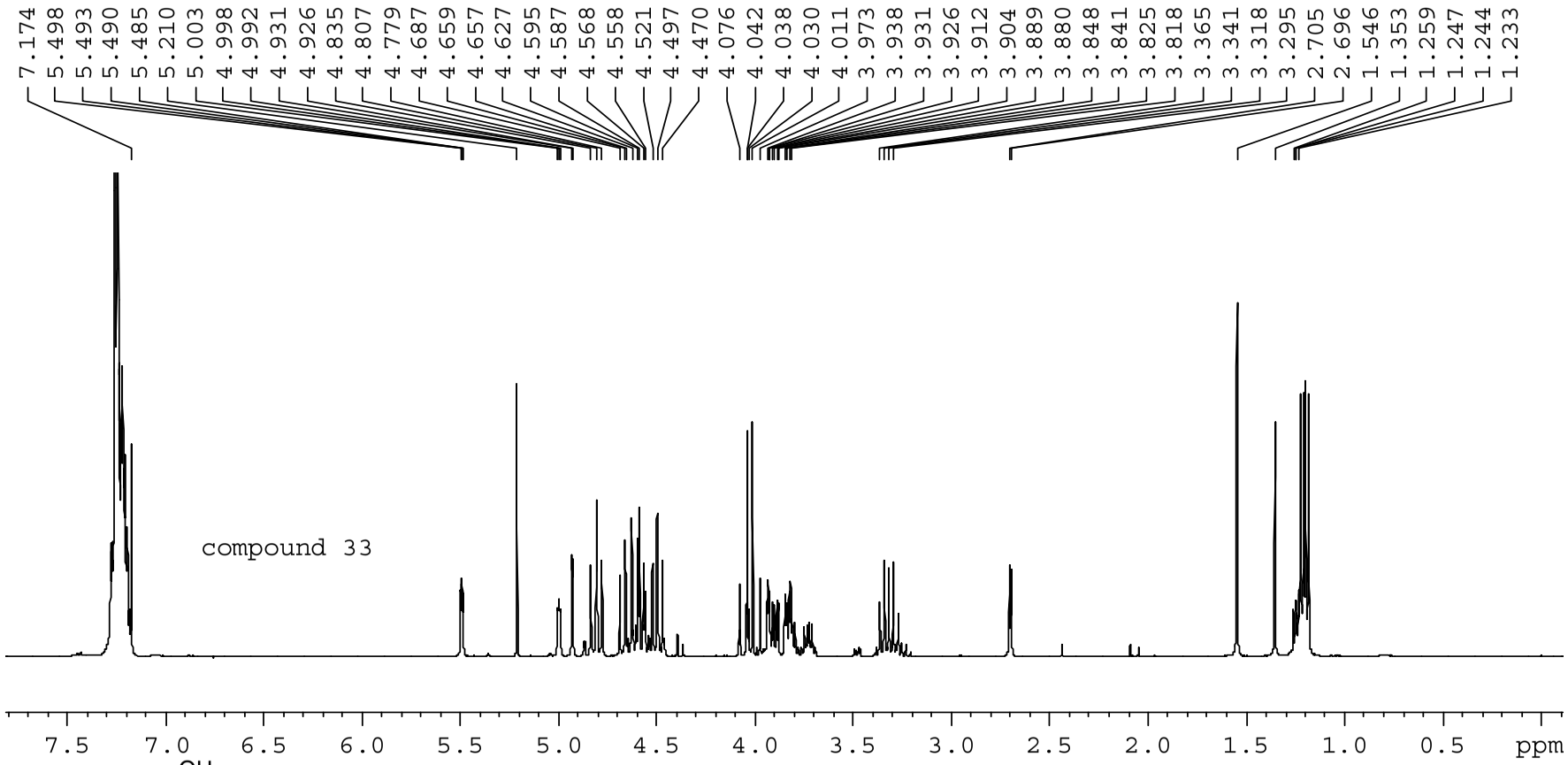


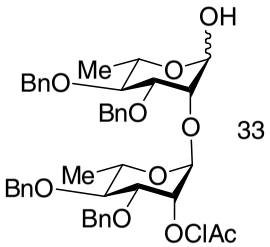


^{1}H-^{13}C NMR 2D-correlation spectrum of compound 32

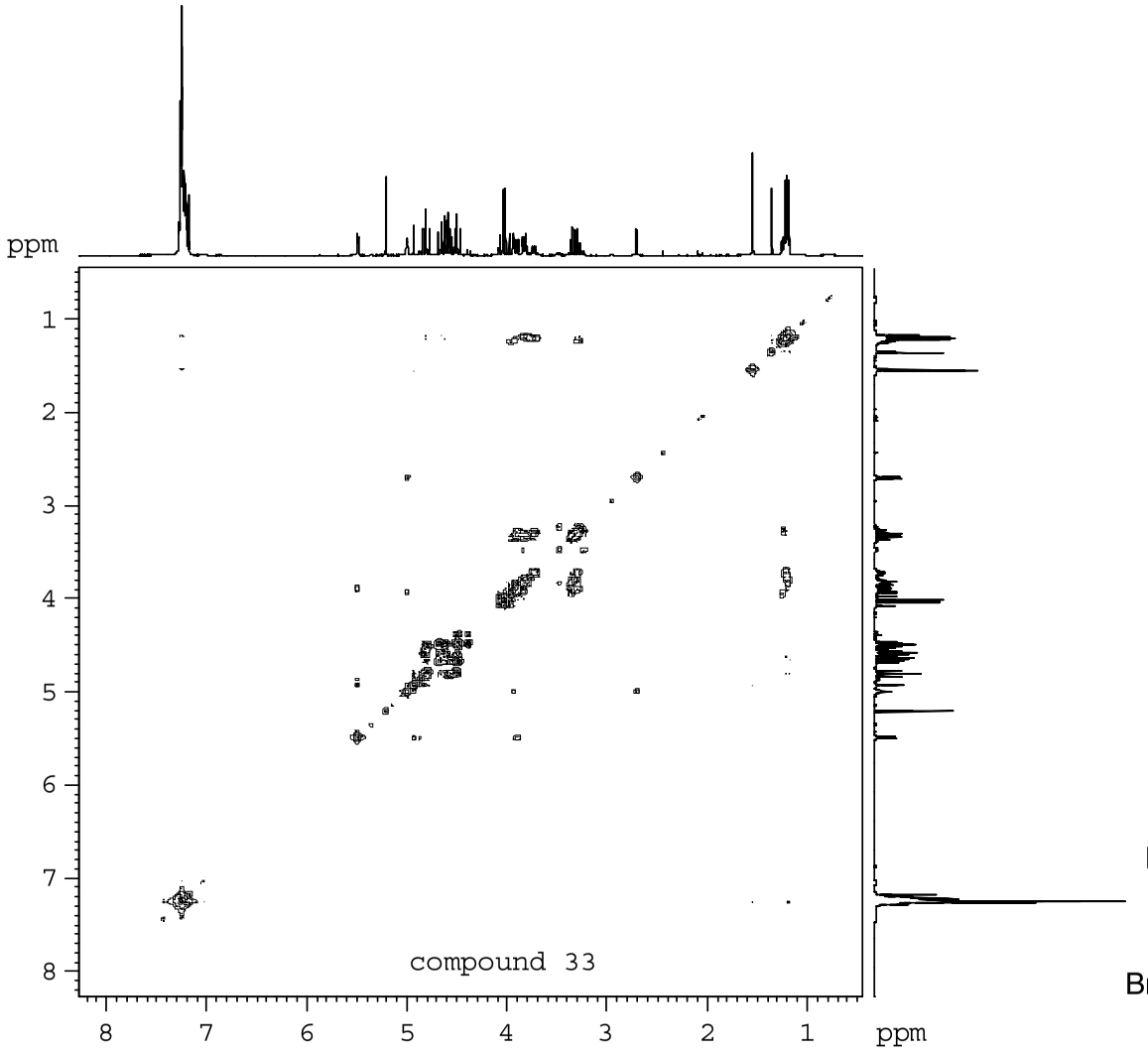


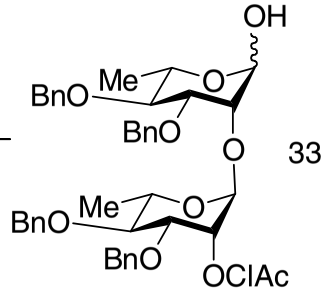
^{1}H spectrum of compound 33



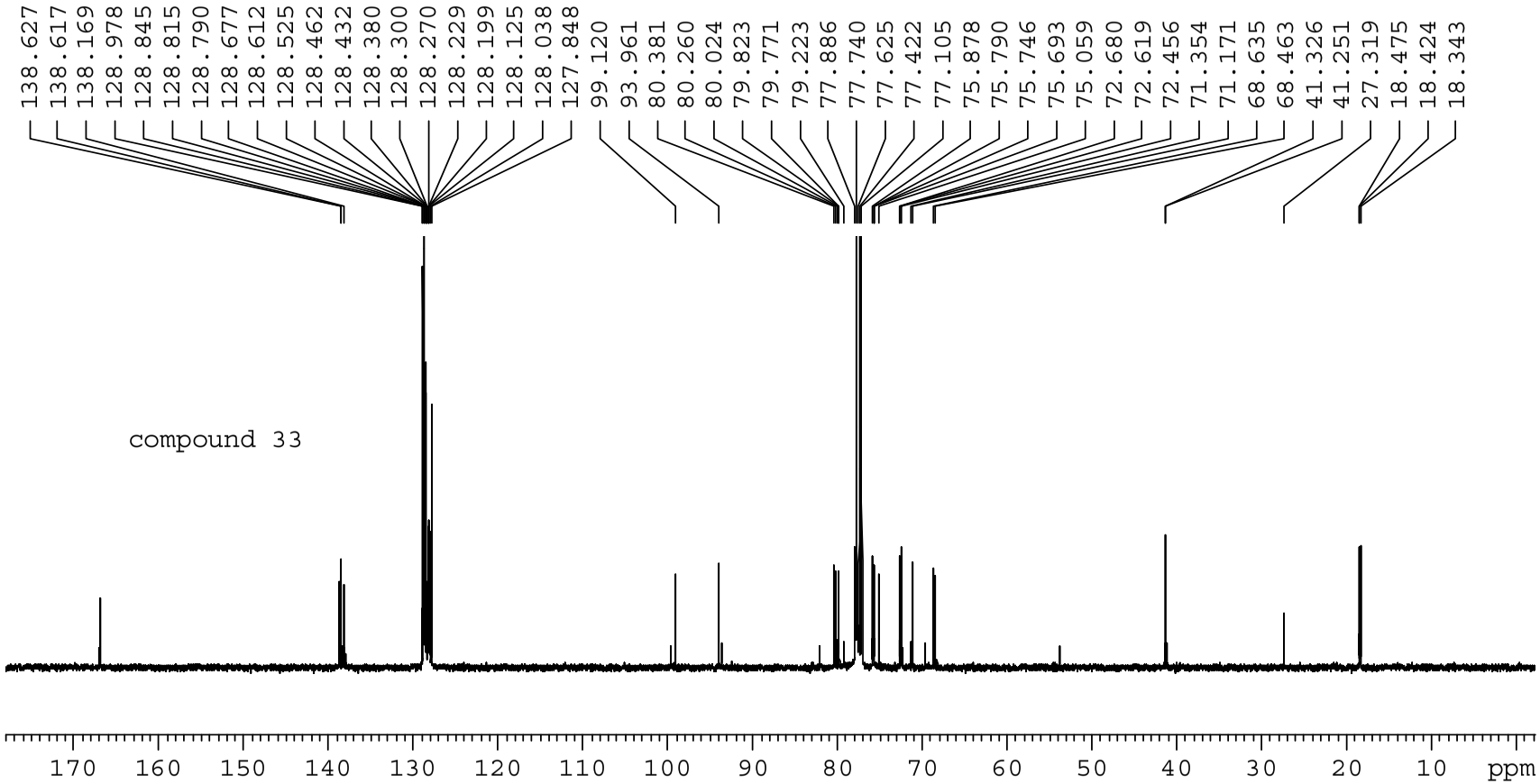


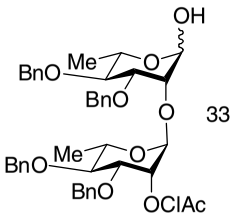
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 33



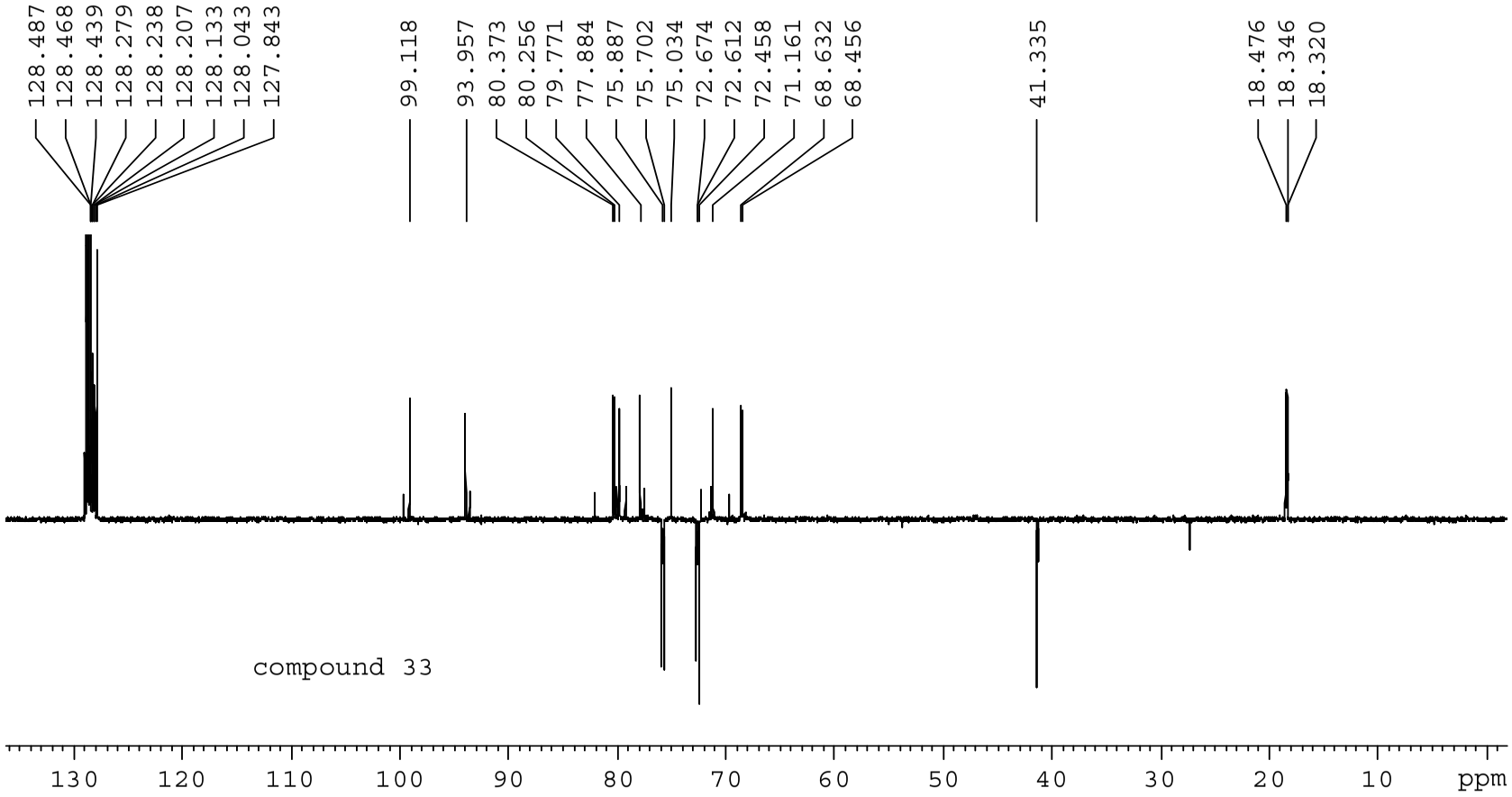


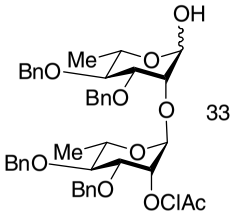
^{13}C NMR spectrum of compound 33



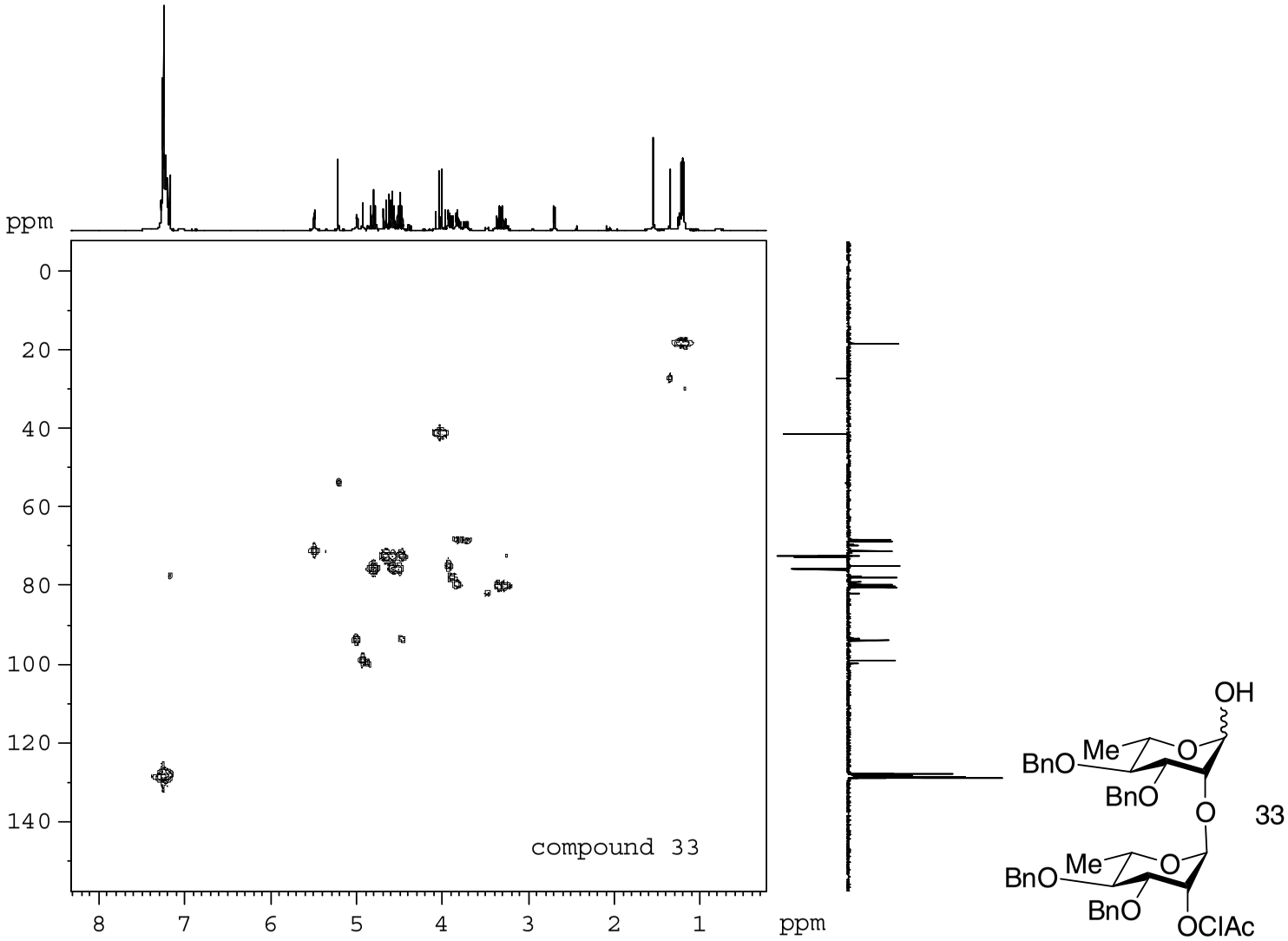


^{13}C (DEPT) NMR spectrum of compound 33

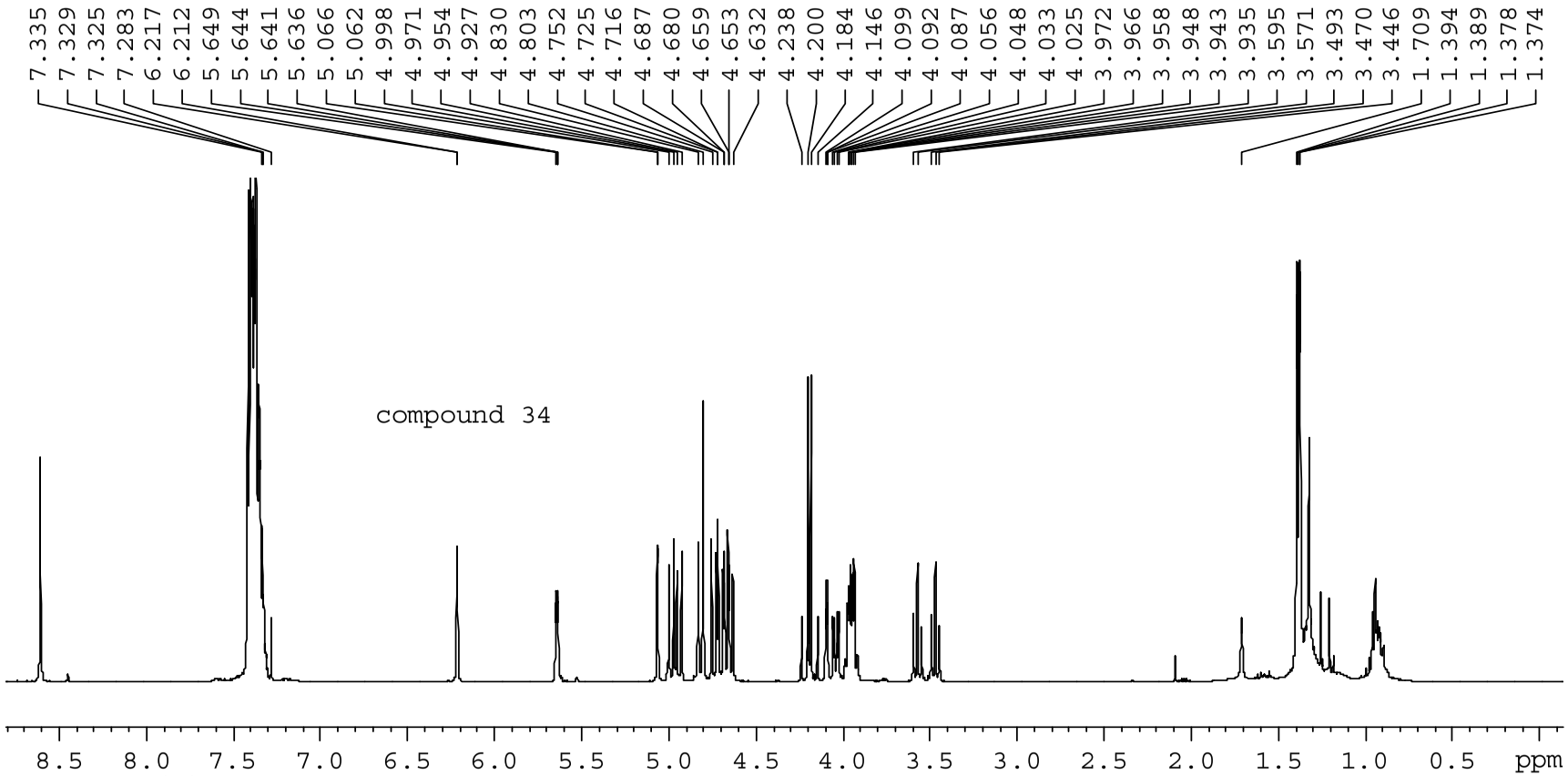


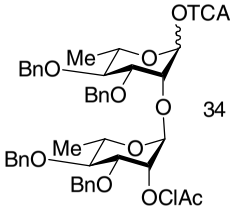


^{1}H-^{13}C NMR 2D-correlation spectrum of compound 33

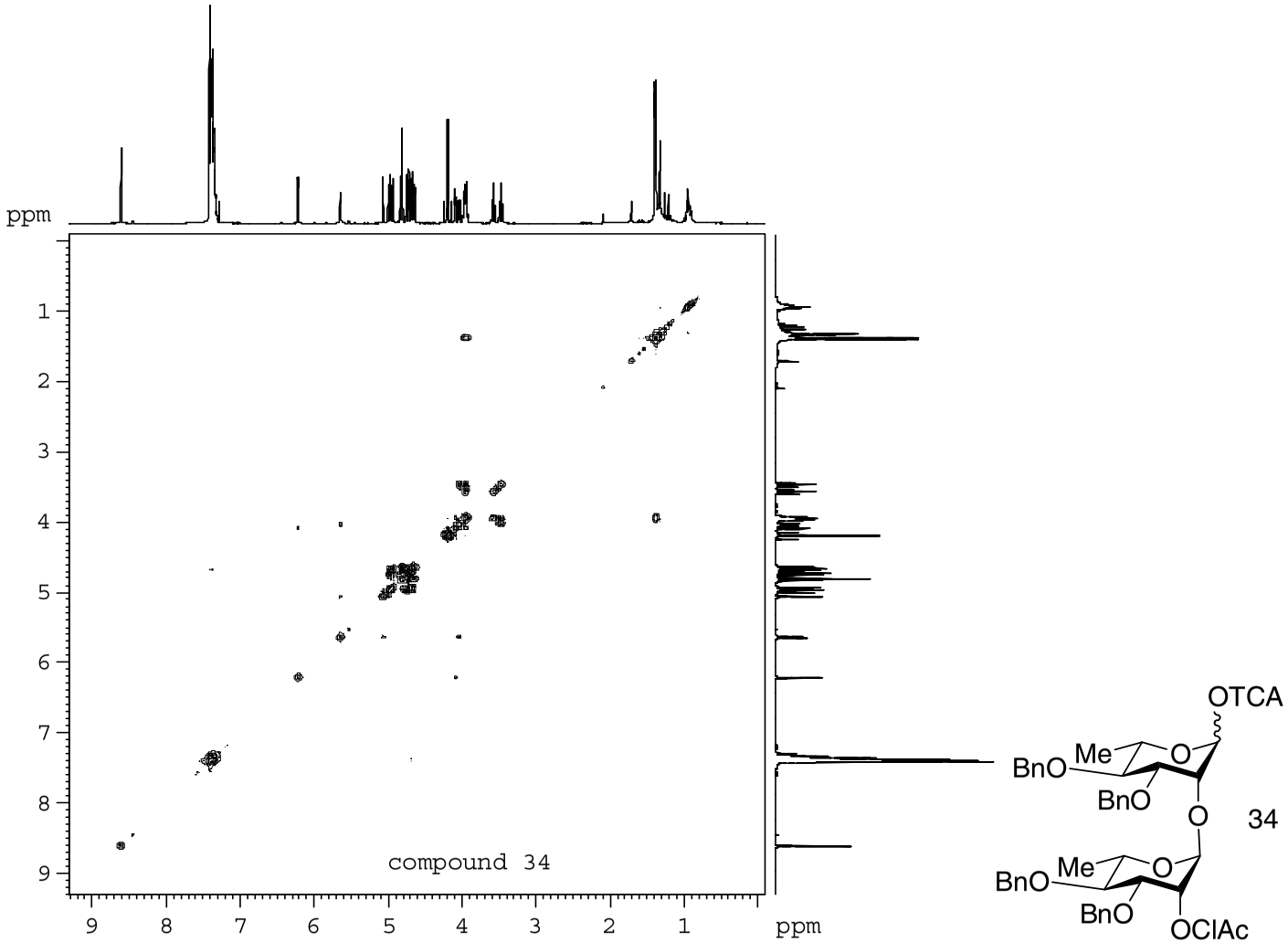


^{1}H spectrum of compound 34

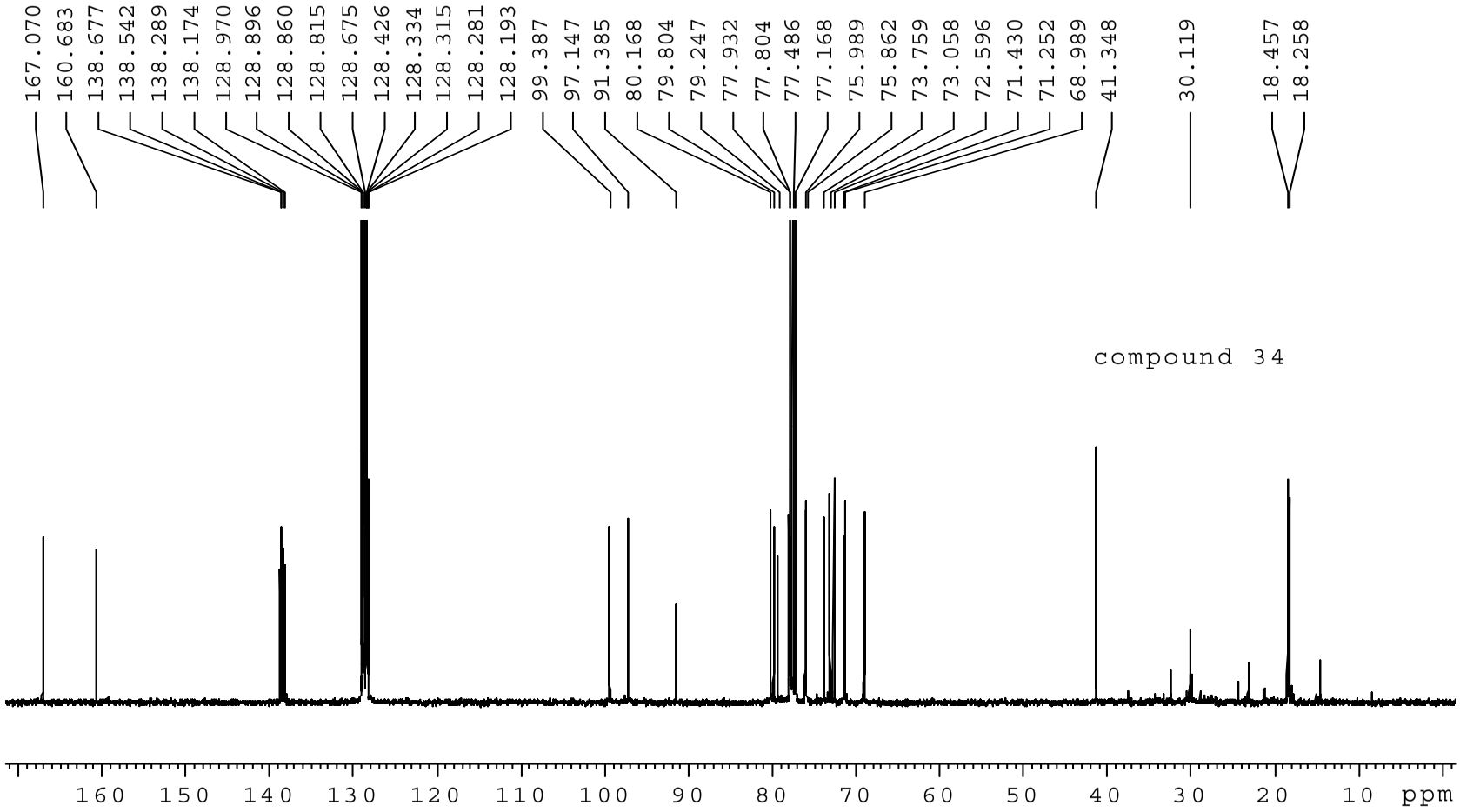


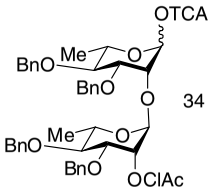


^{1}H-^{1}H NMR 2D-correlation spectrum of compound 34

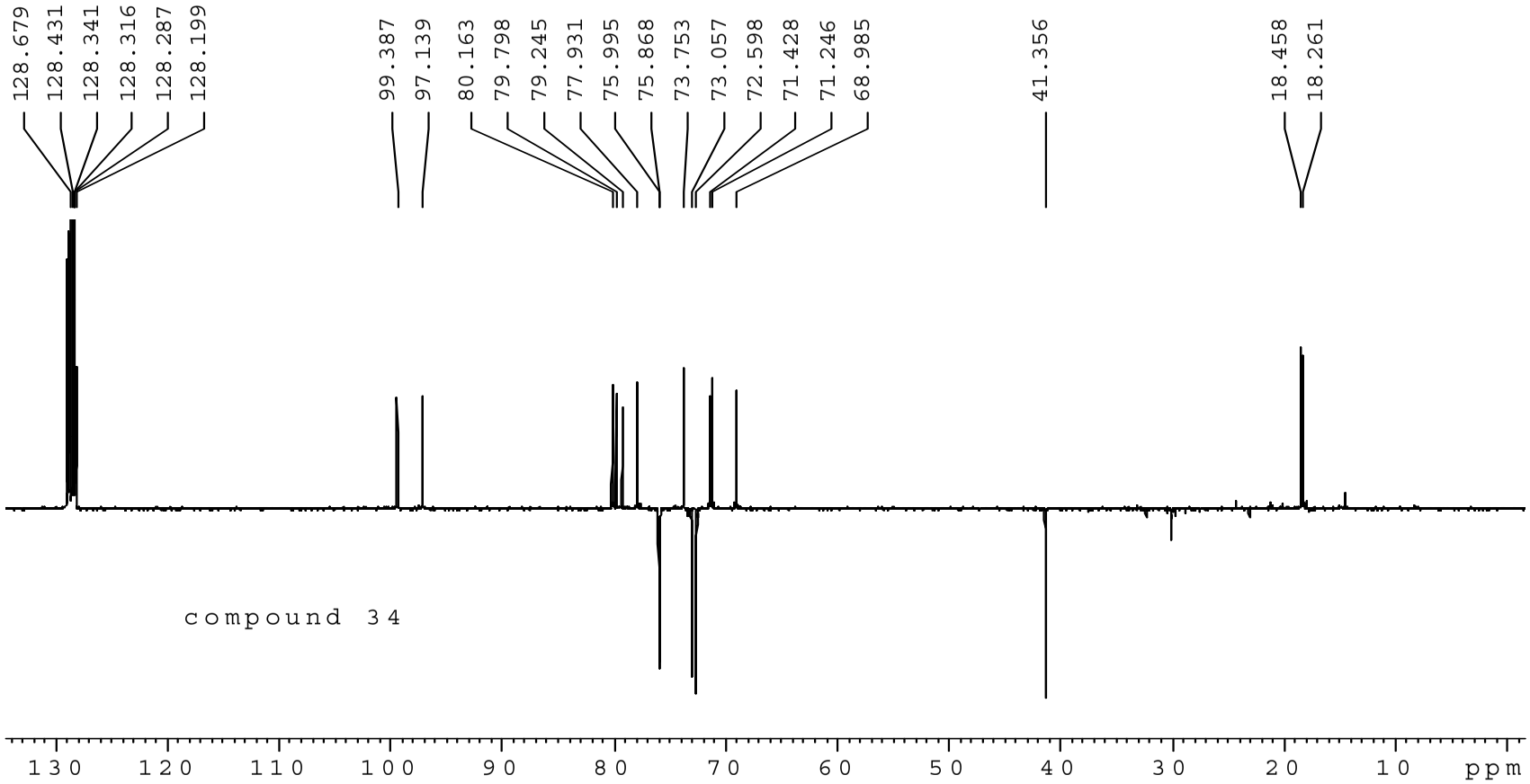


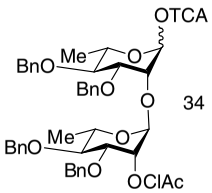
^{13}C NMR spectrum of compound 34



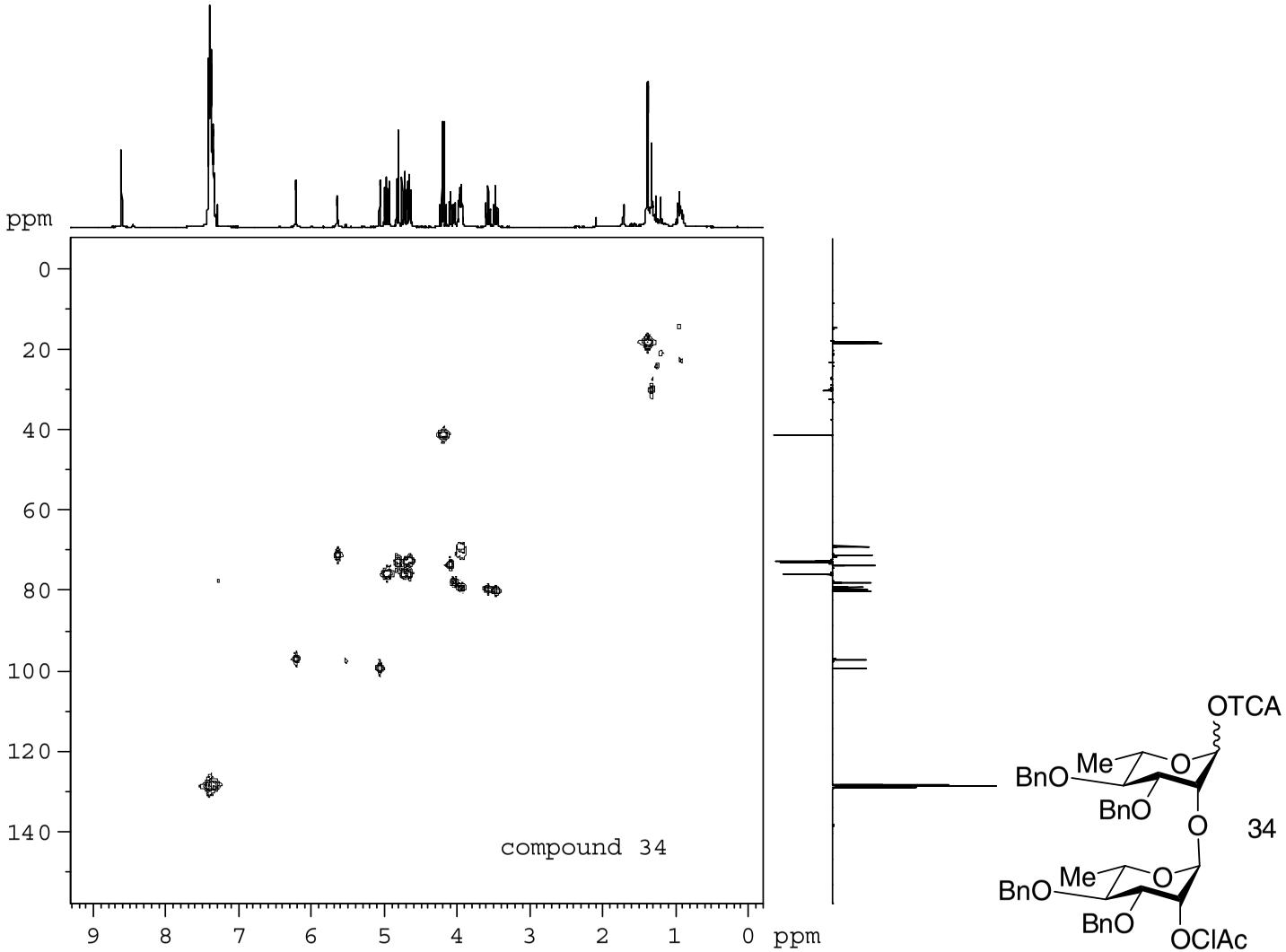


^{13}C (DEPT) NMR spectrum of compound 34

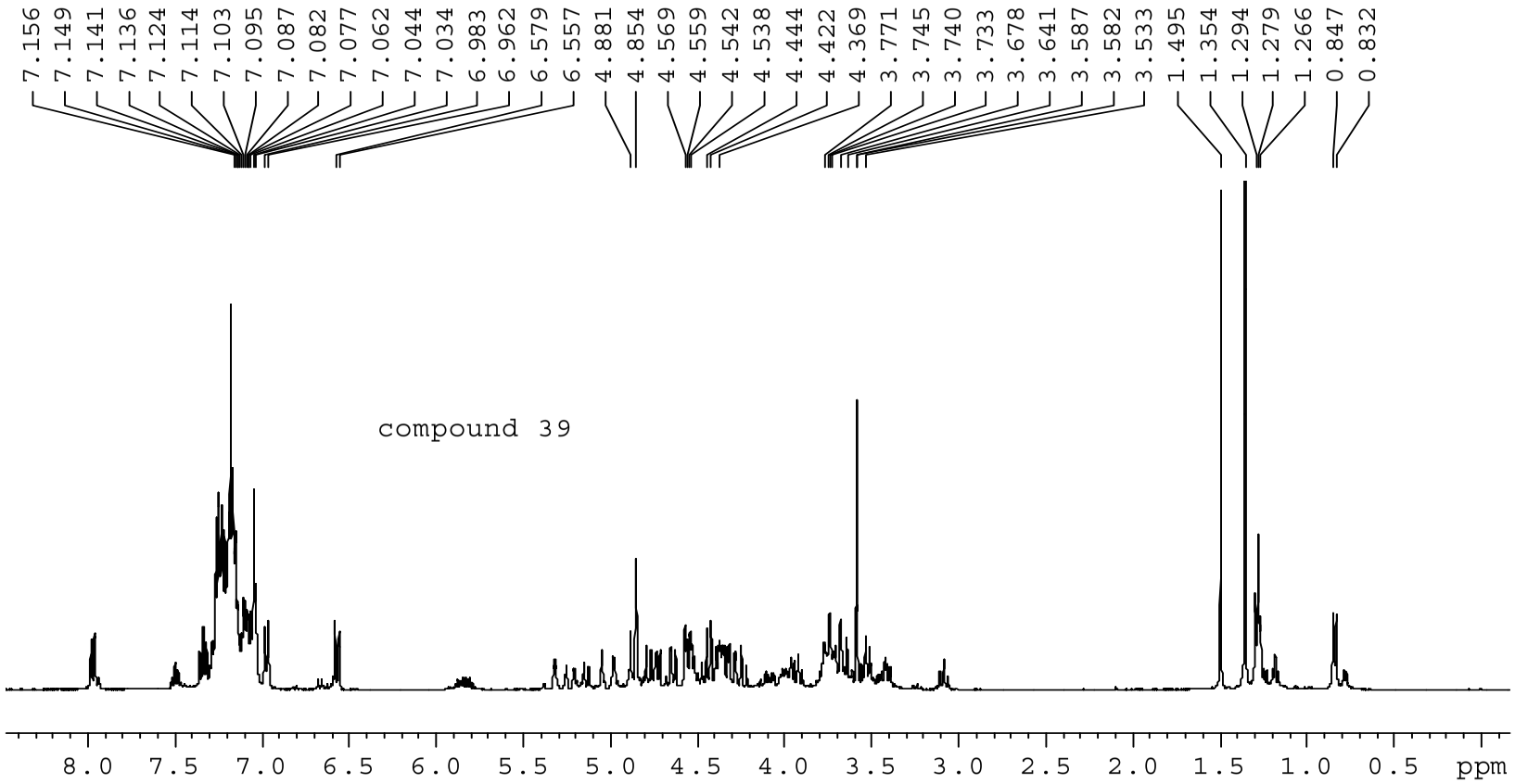


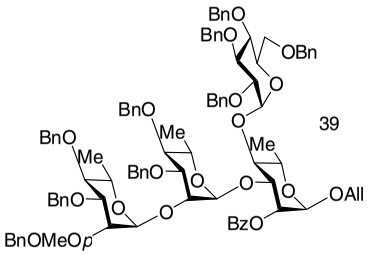


^{1}H-^{13}C NMR 2D-correlation spectrum of compound 34

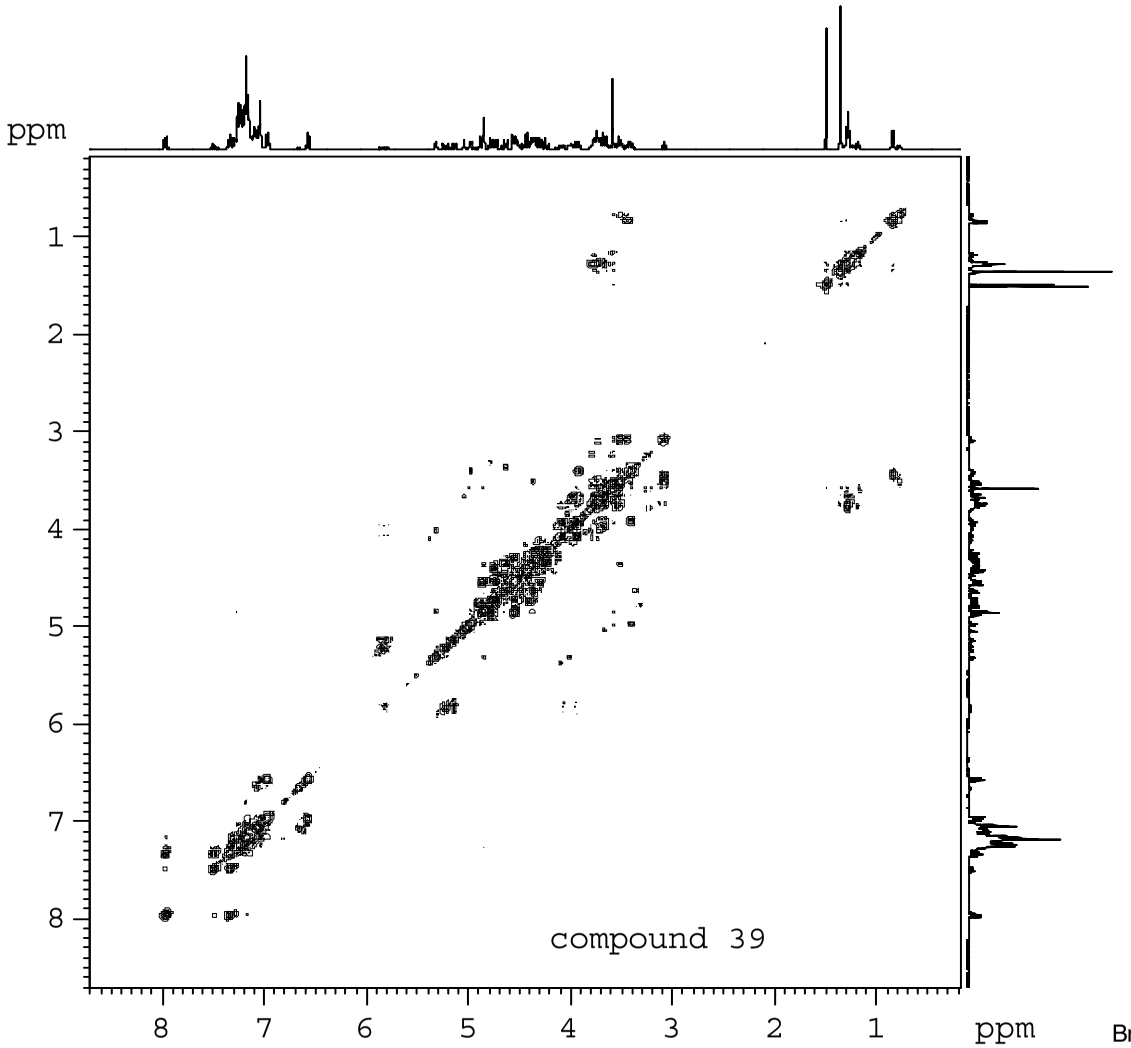


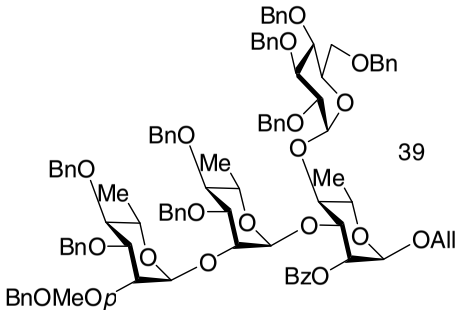
^{1}H spectrum of compound 39



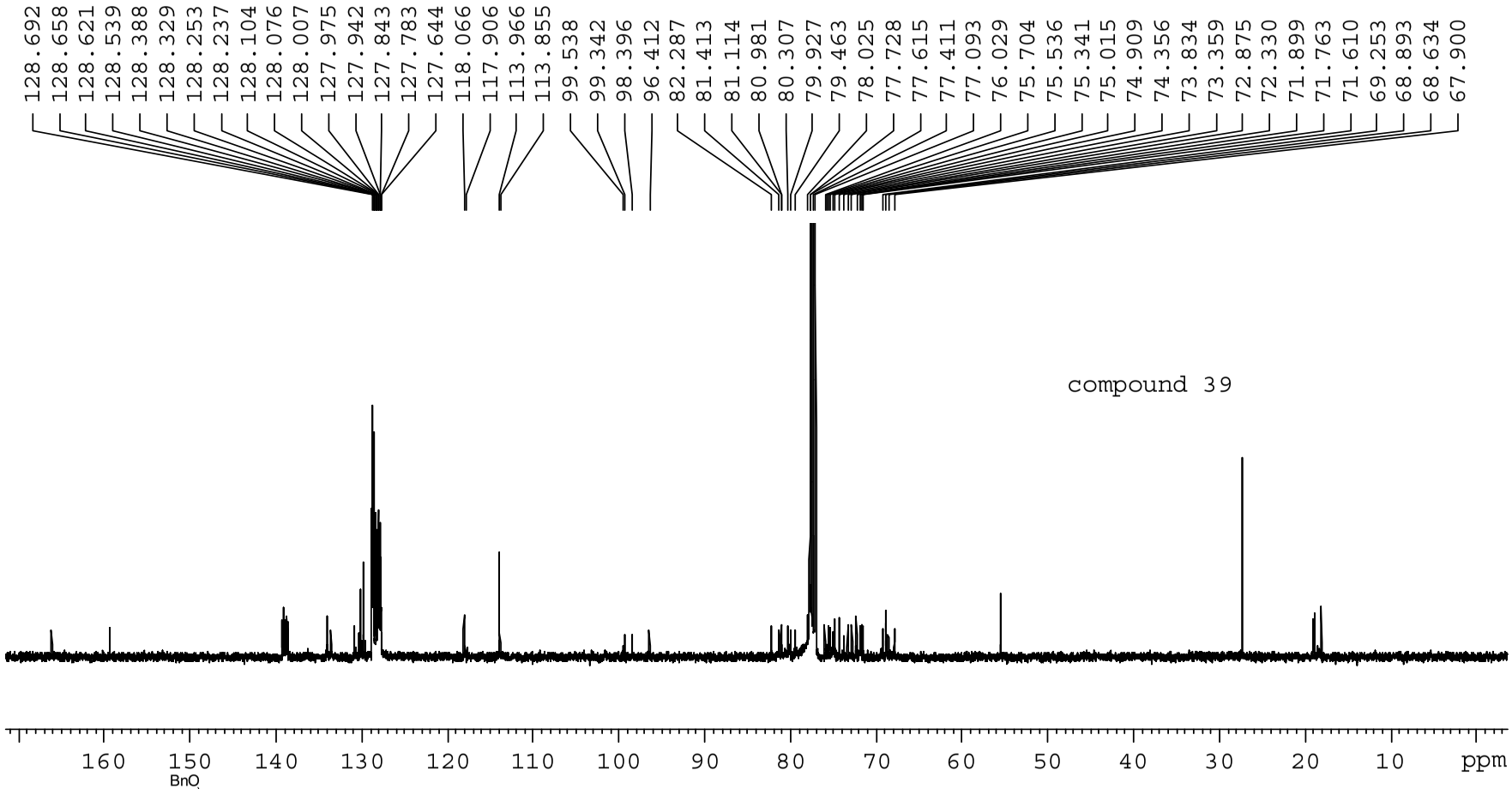


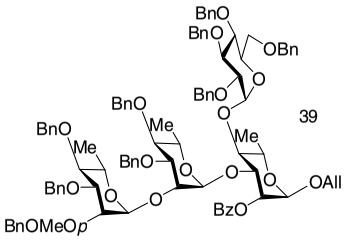
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 39



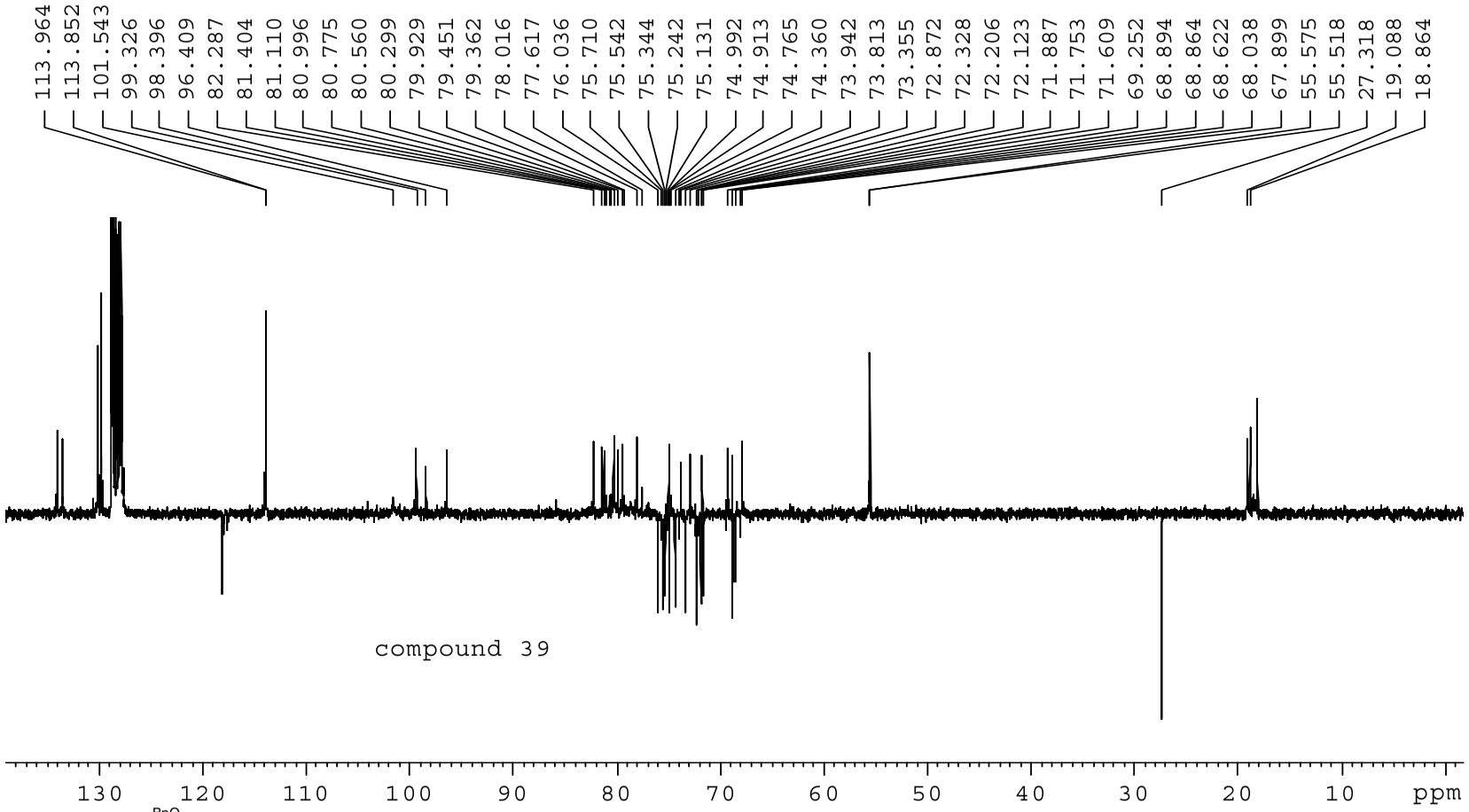


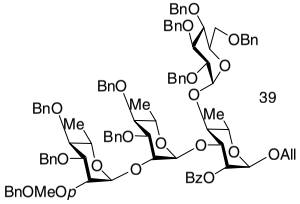
^{13}C NMR spectrum of compound 39



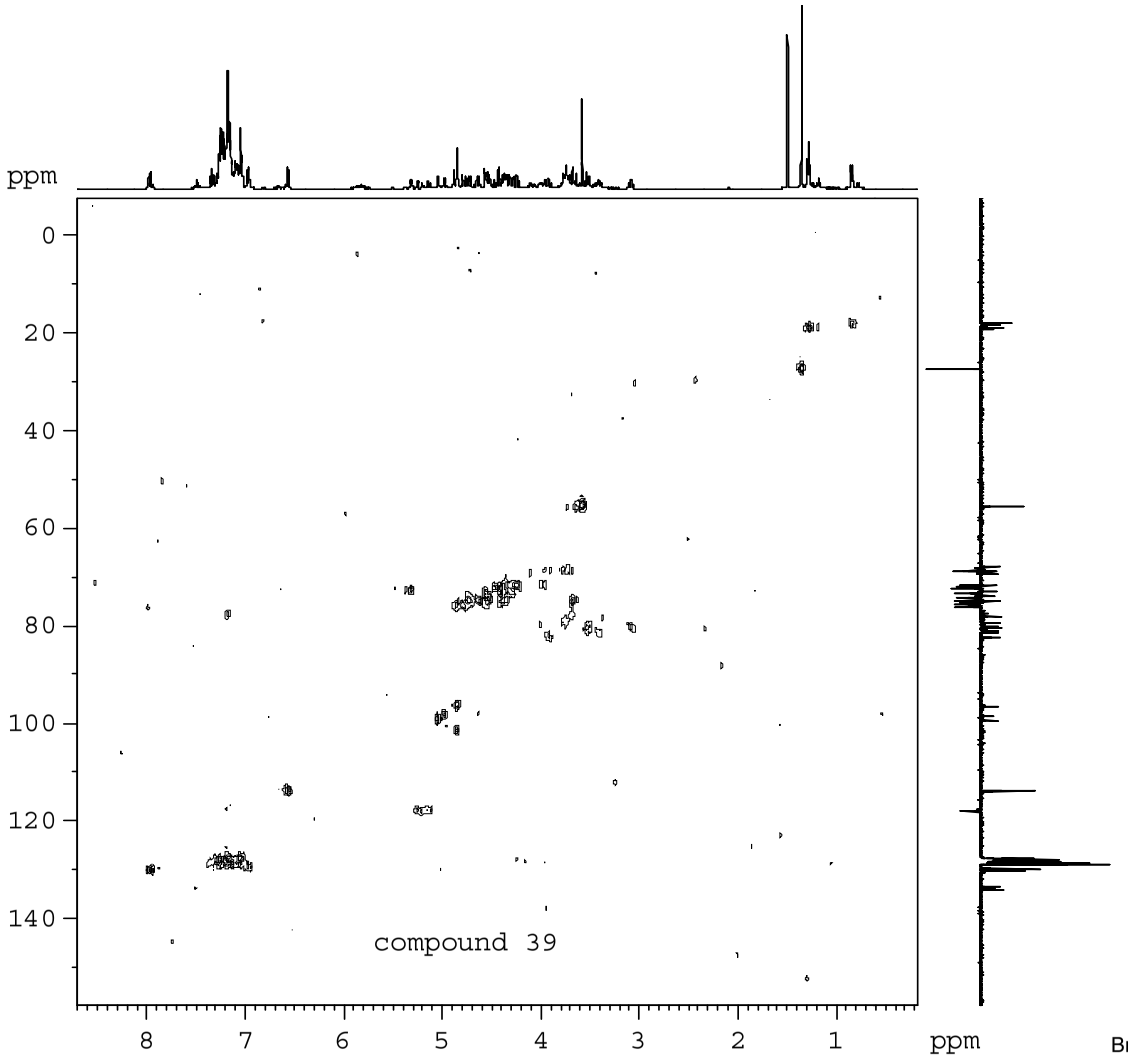


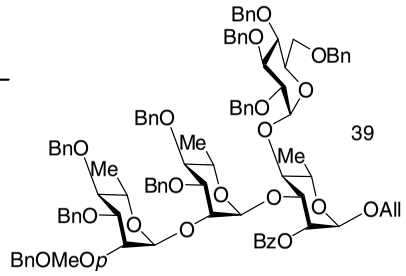
^{13}C (DEPT) NMR spectrum of compound 39



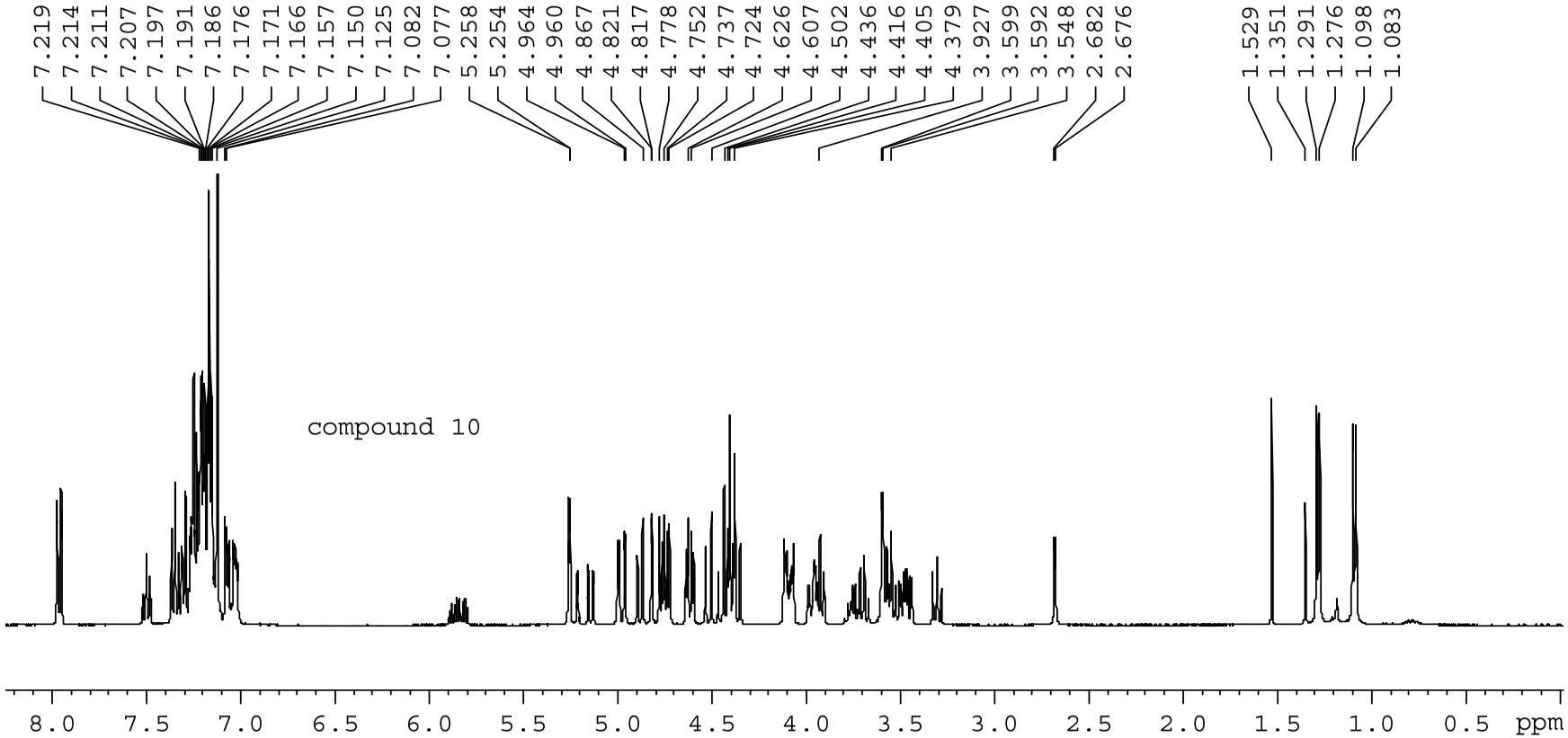


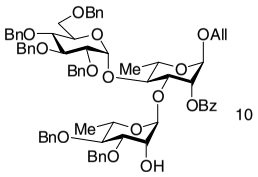
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 39



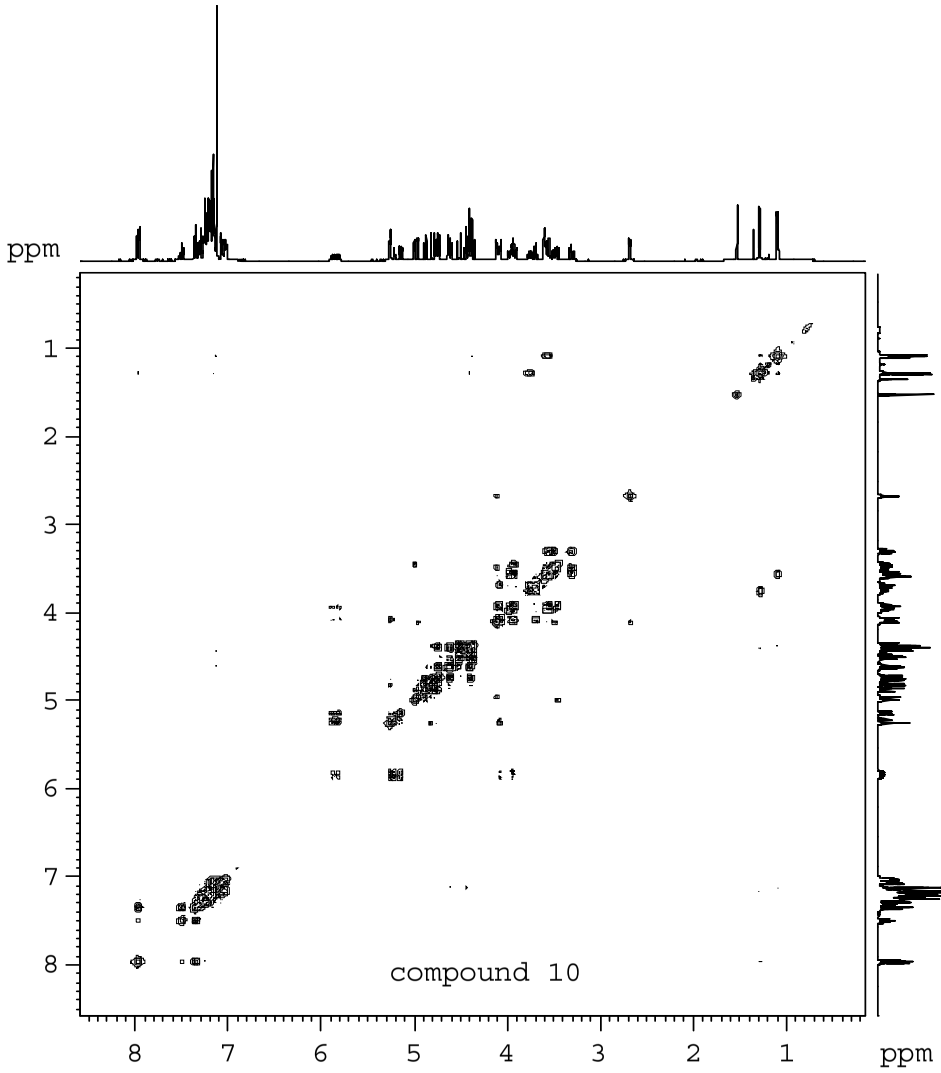


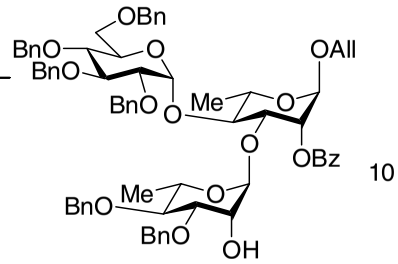
^{1}H spectrum of compound 10



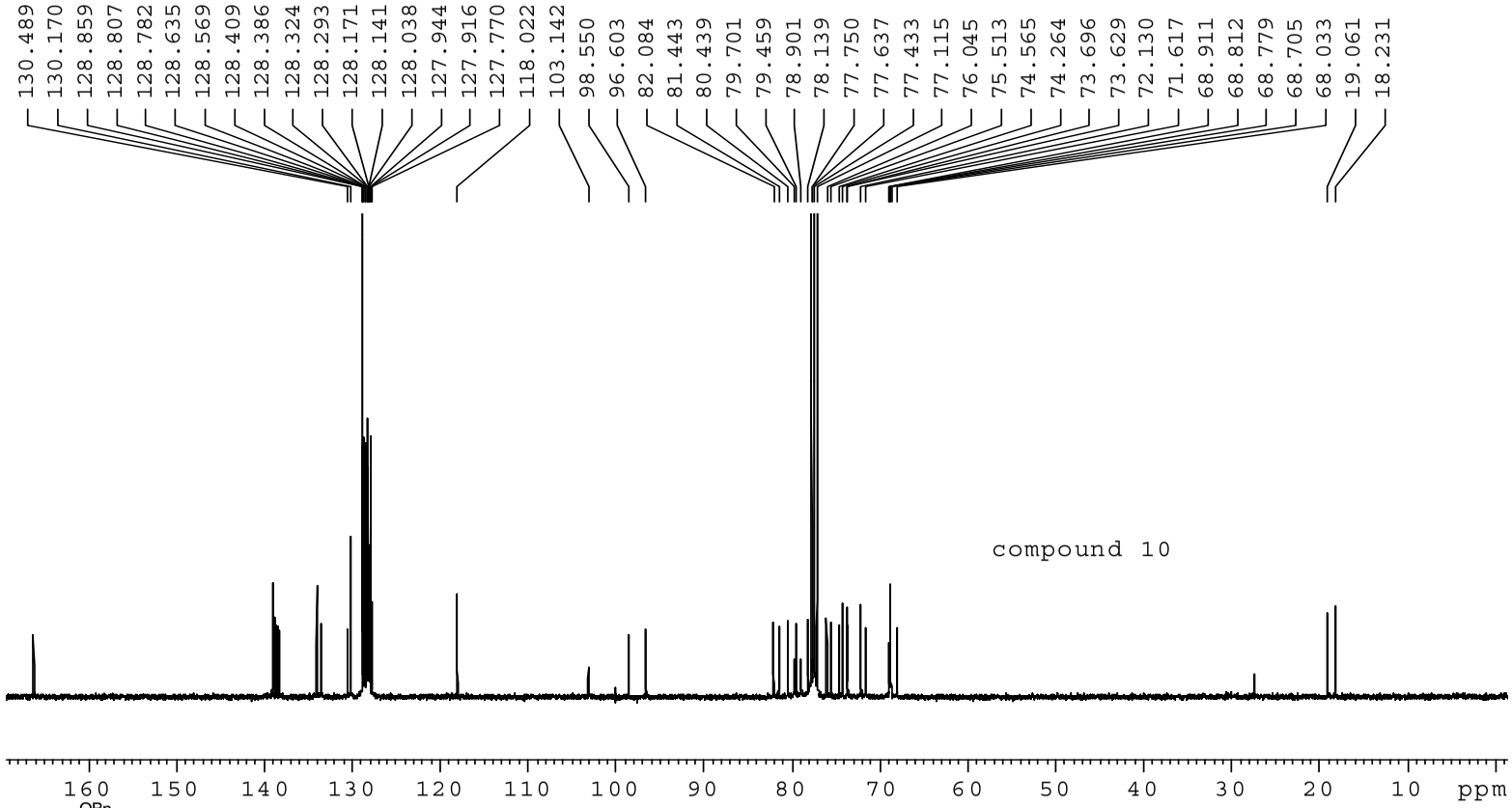


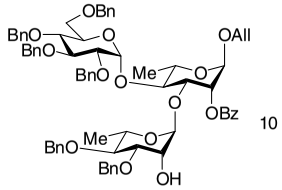
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 10



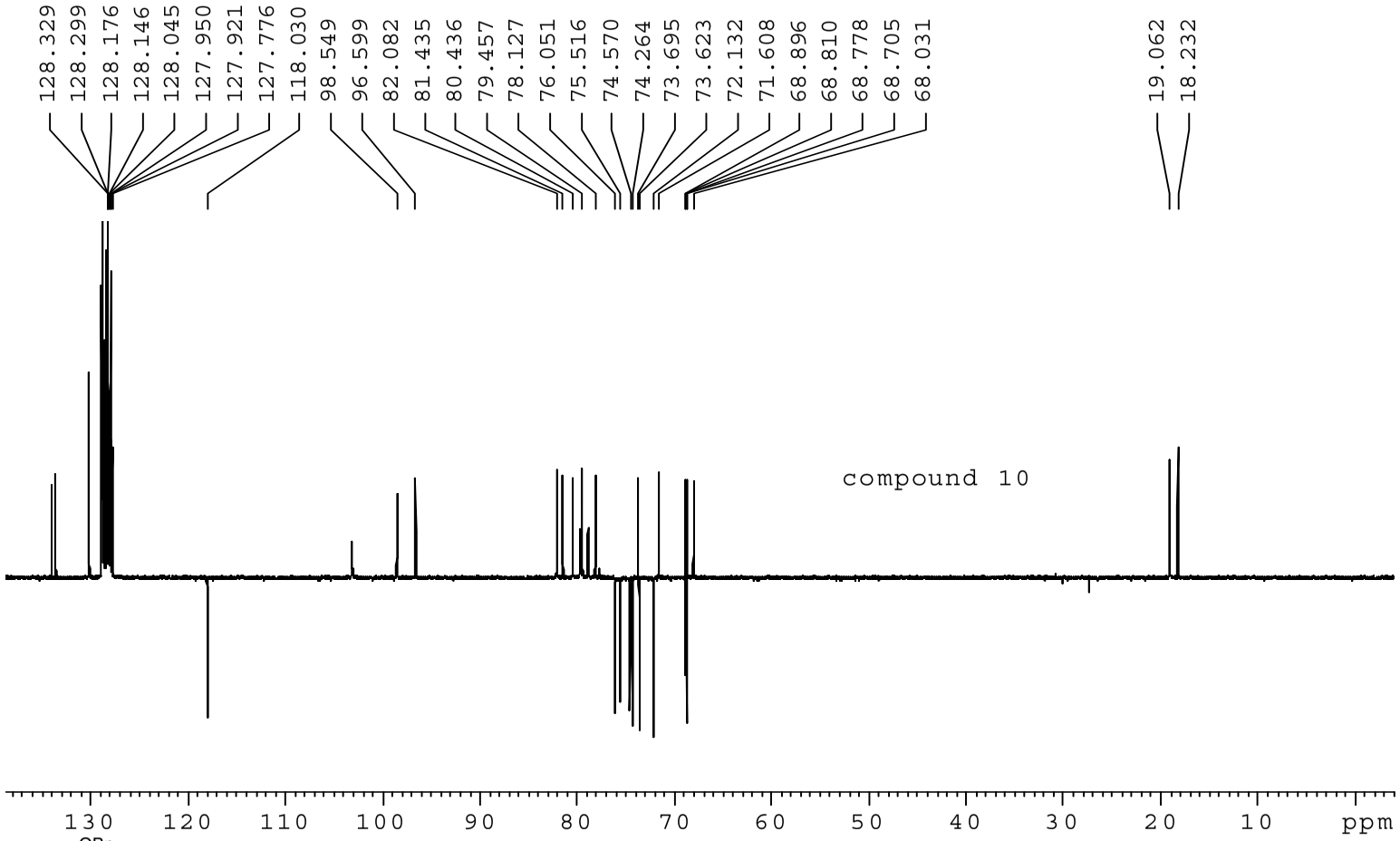


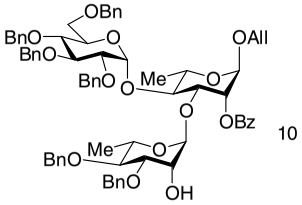
^{13}C NMR spectrum of compound 10



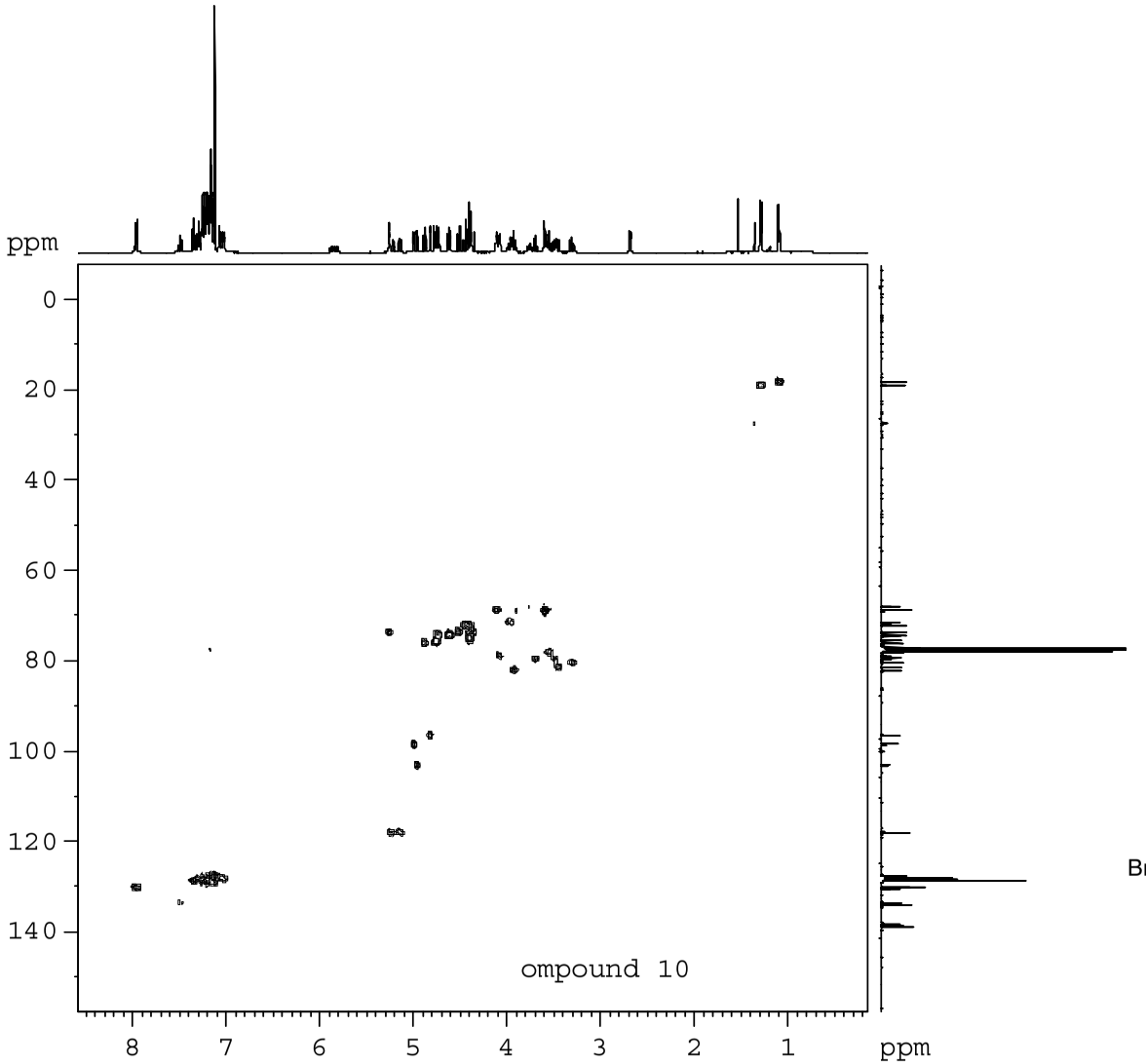


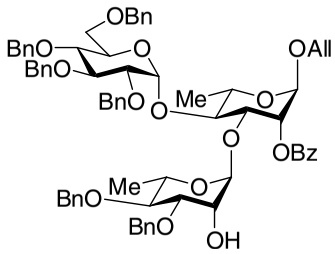
^{13}C (DEPT) NMR spectrum of compound 10





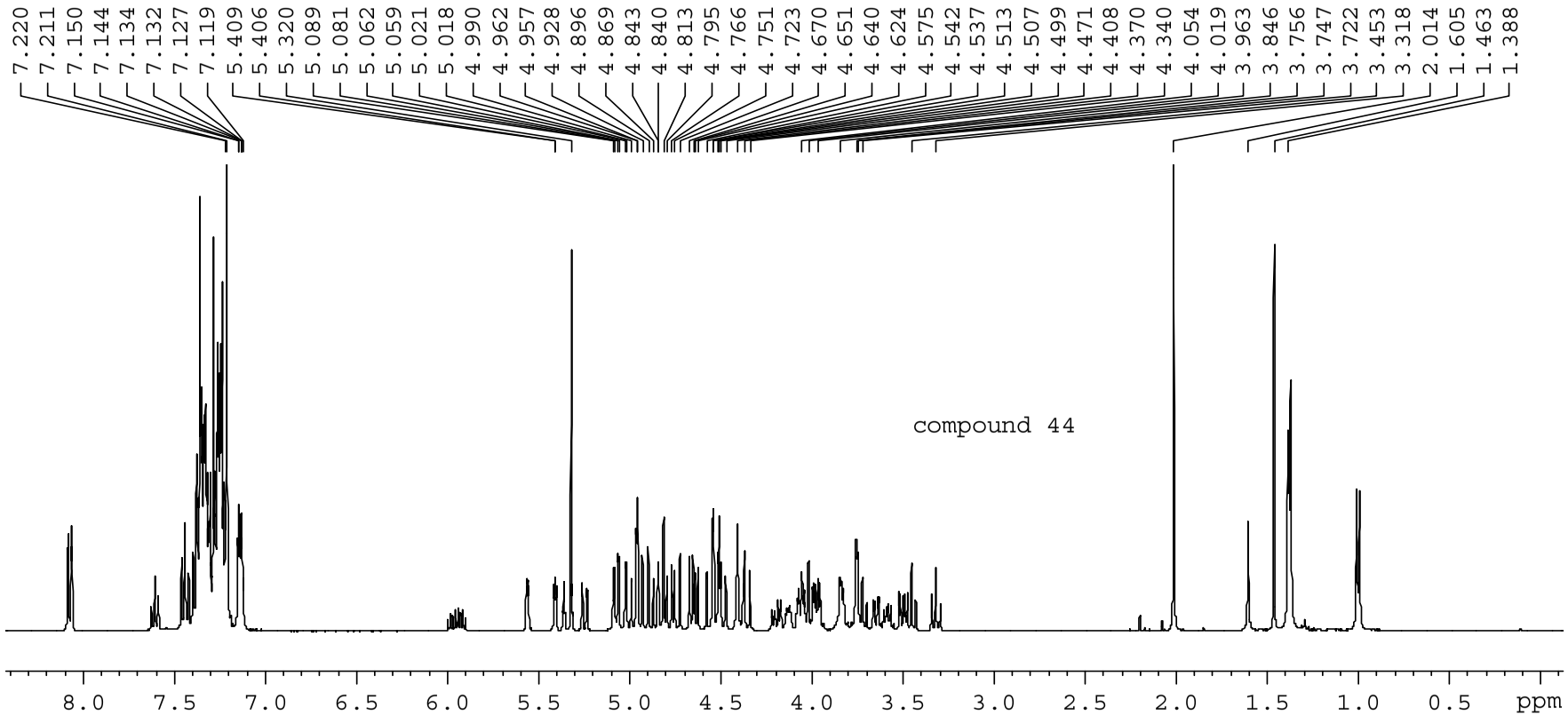
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 10

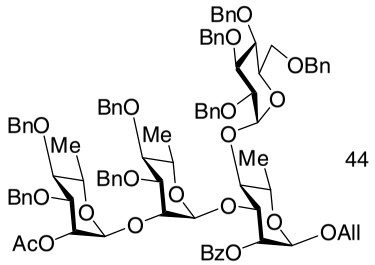




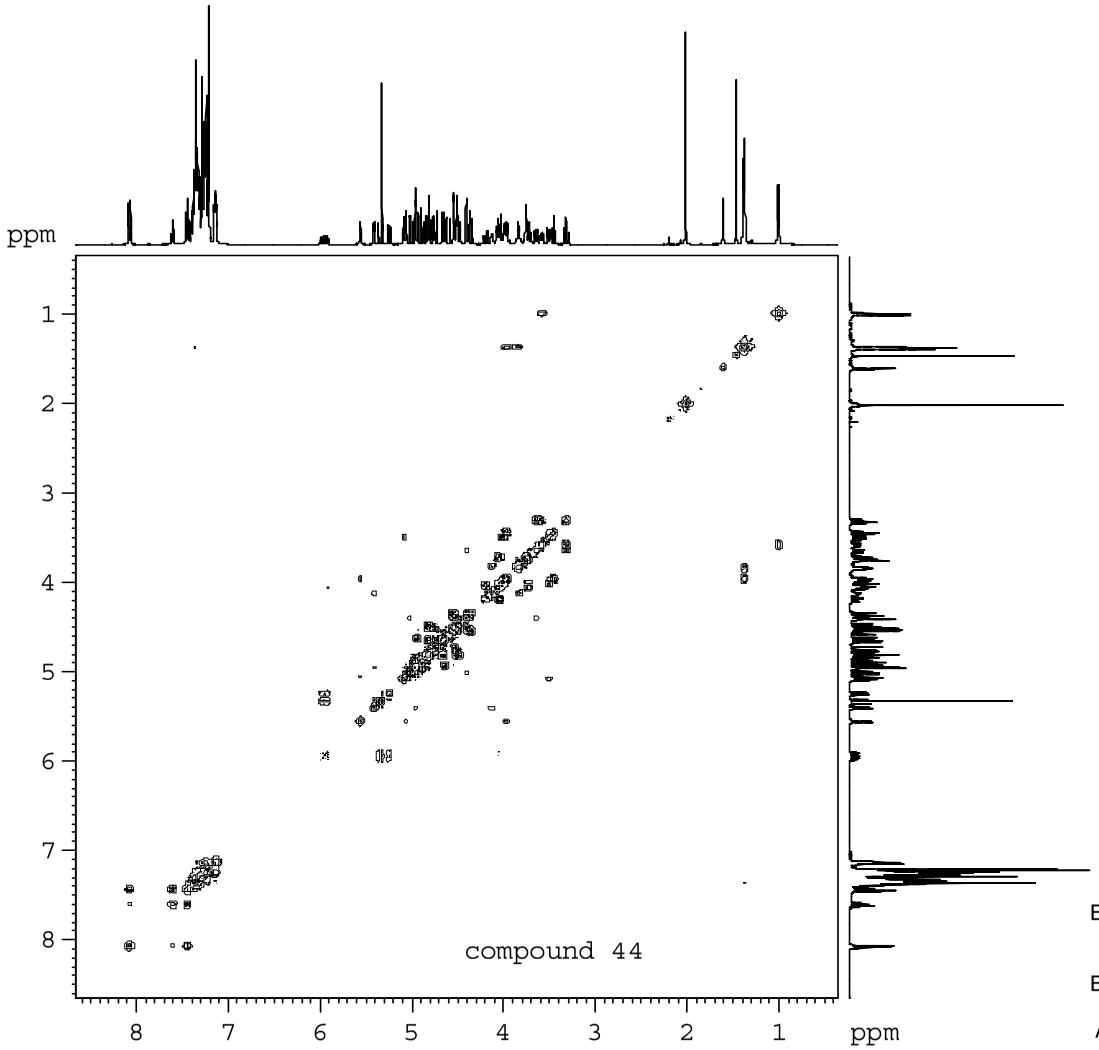
10

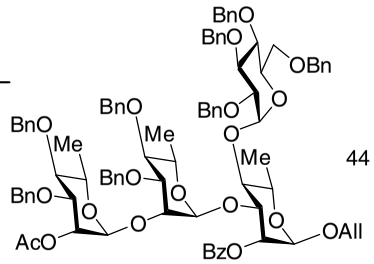
^{1}H spectrum of compound 44



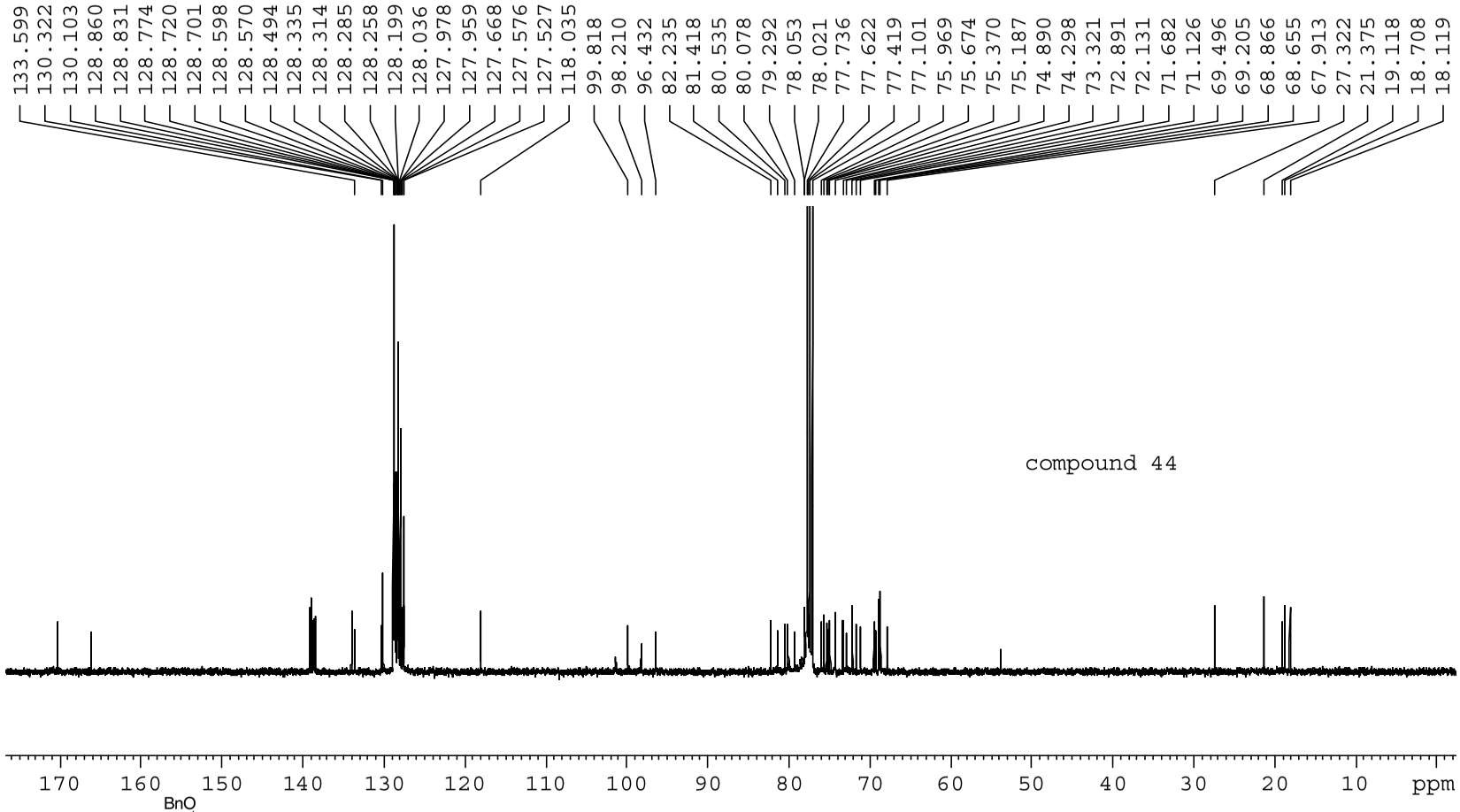


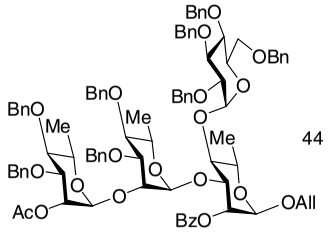
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 44



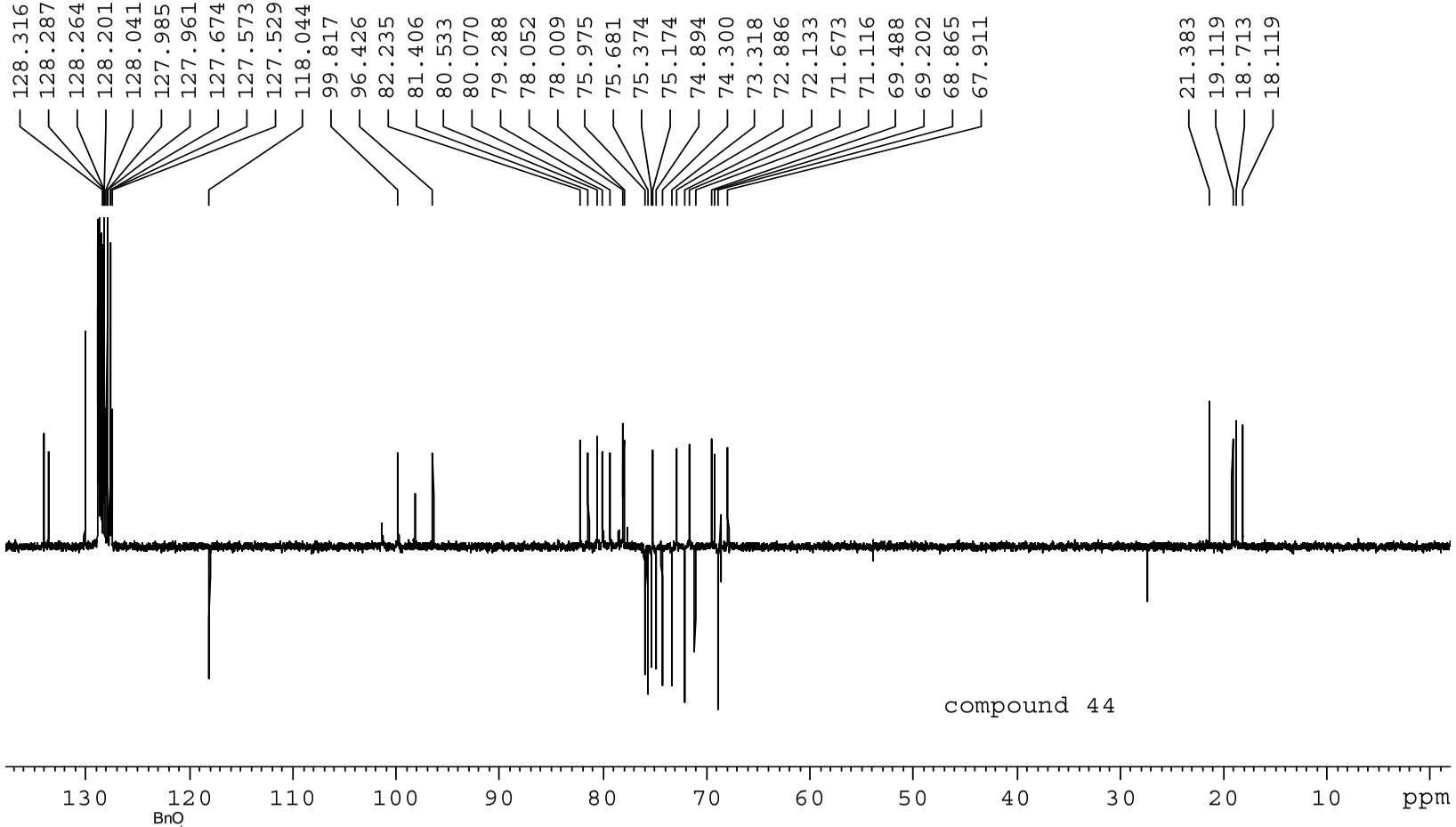


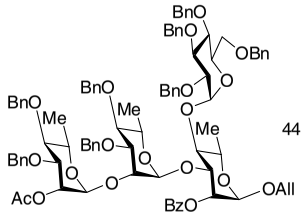
^{13}C NMR spectrum of compound 44



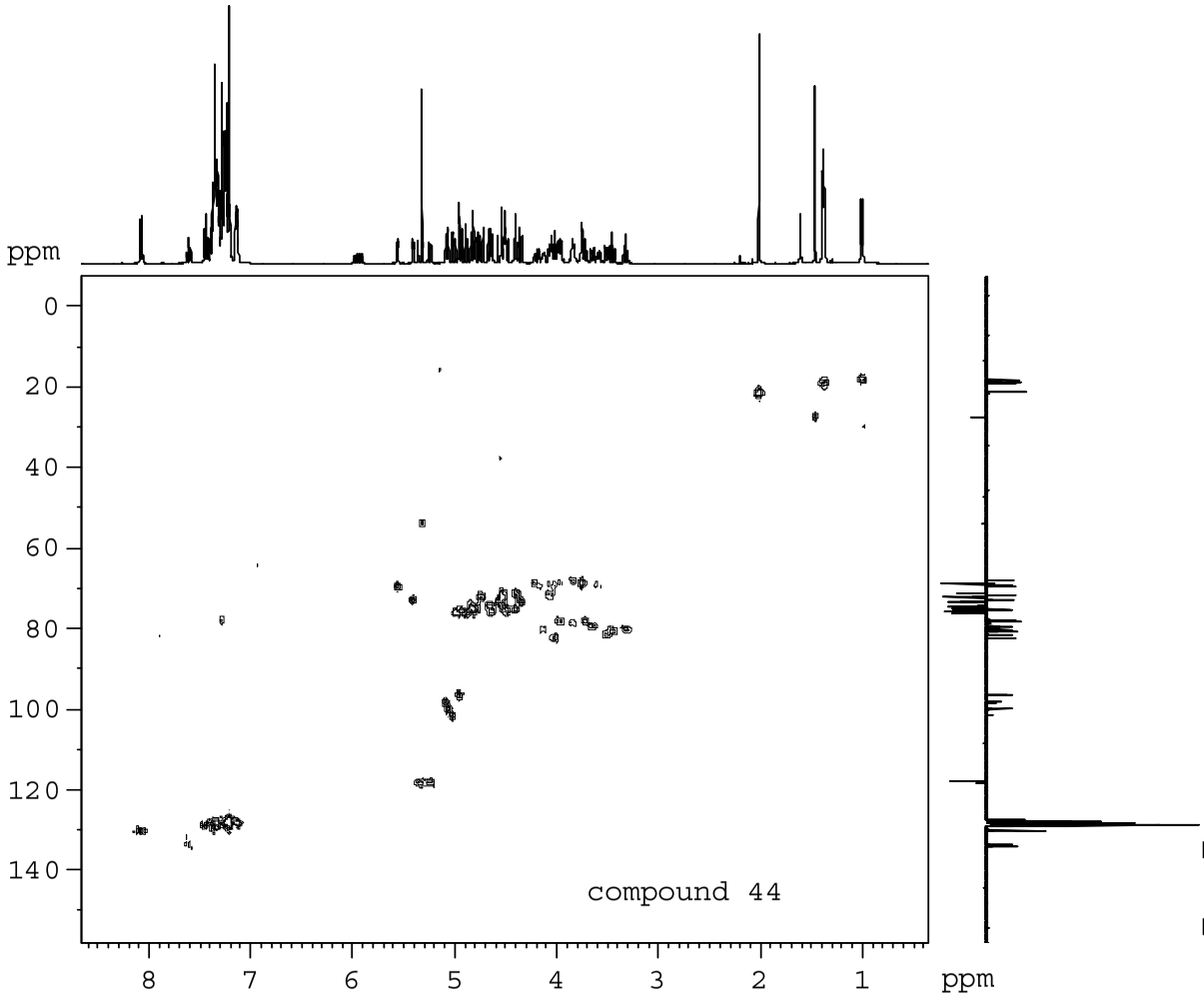


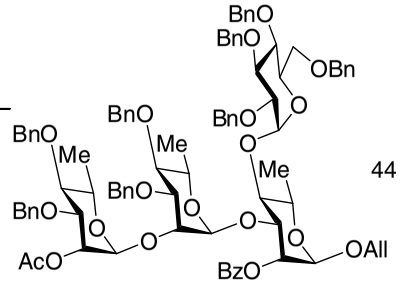
^{13}C (DEPT) NMR spectrum of compound 44





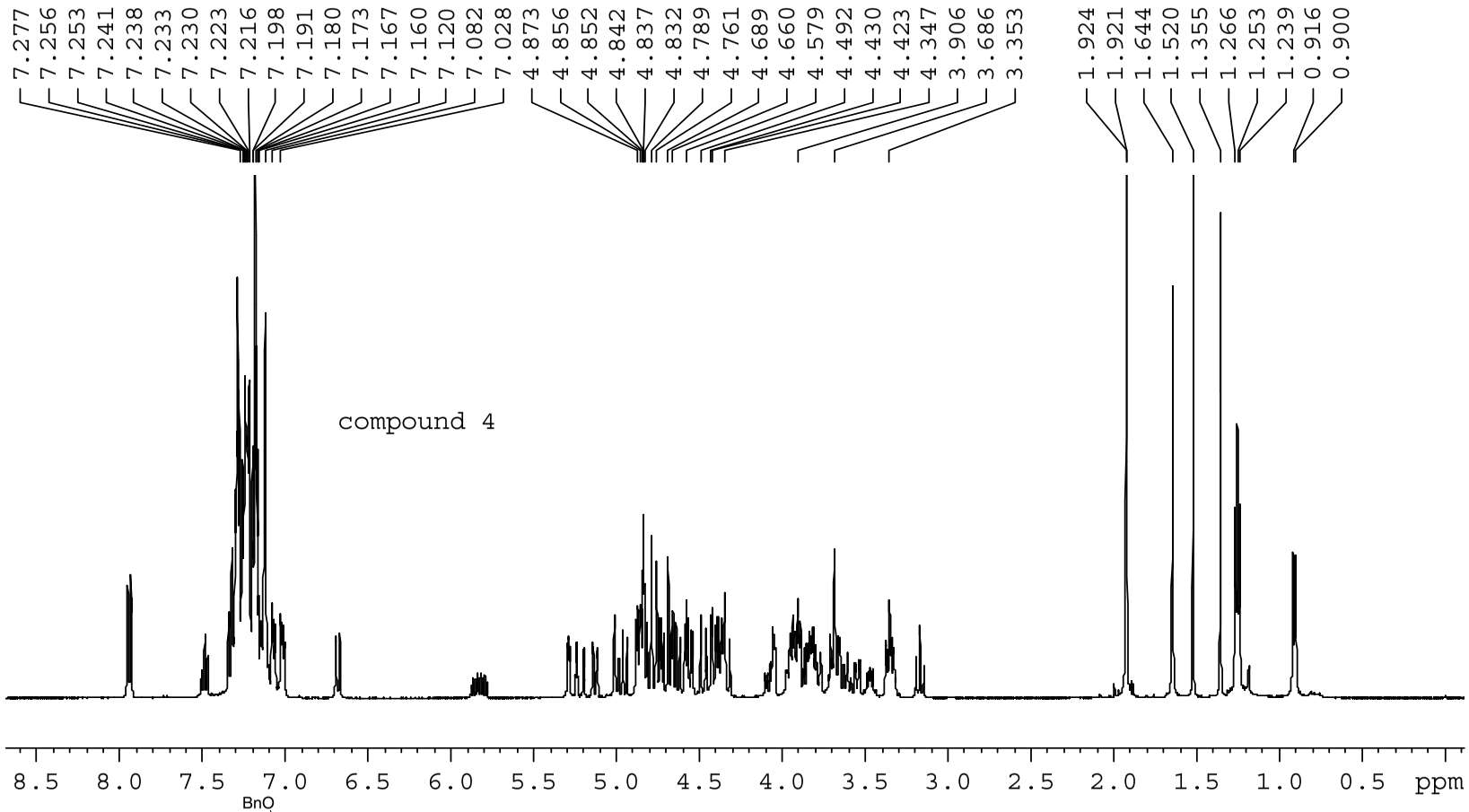
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 44

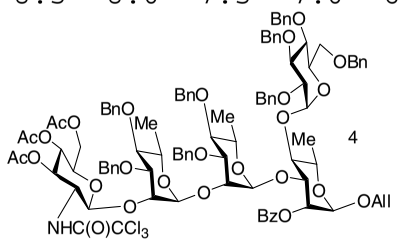




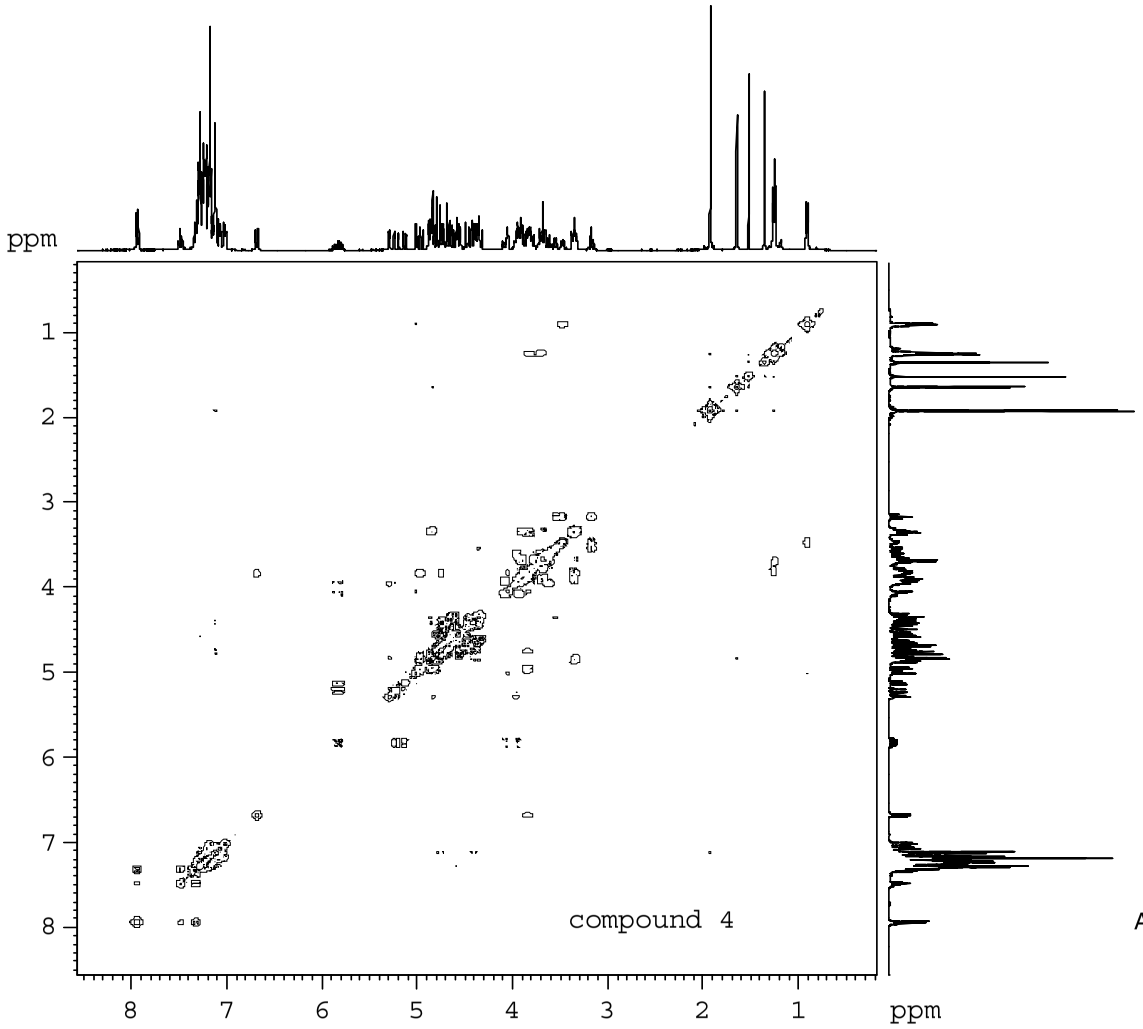
44

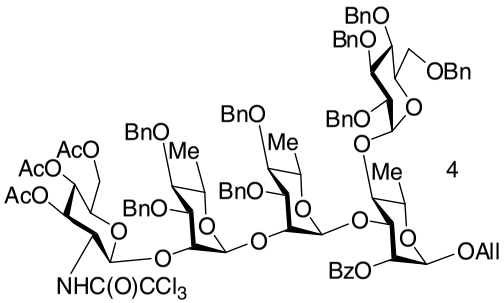
^{1}H spectrum of compound 4



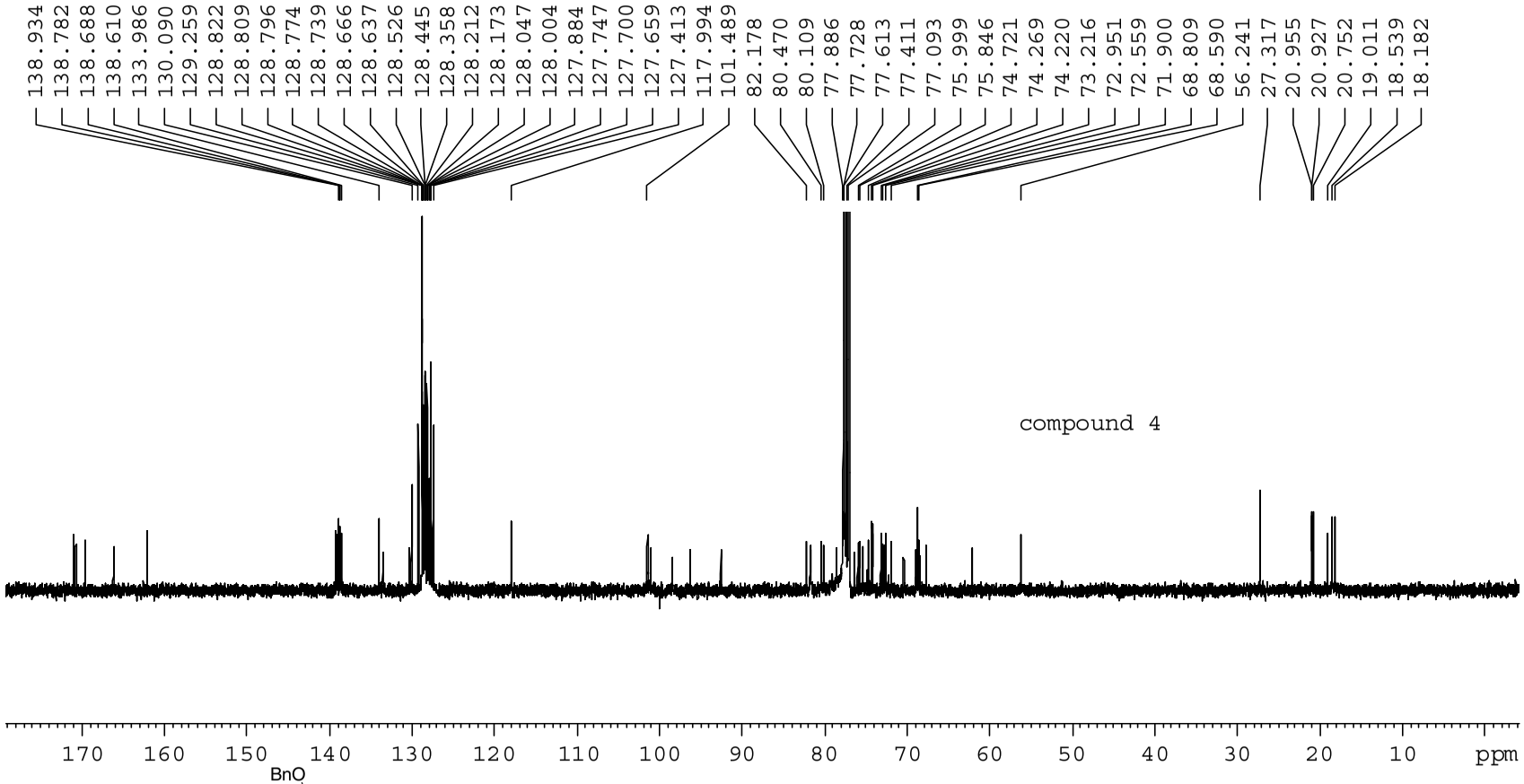


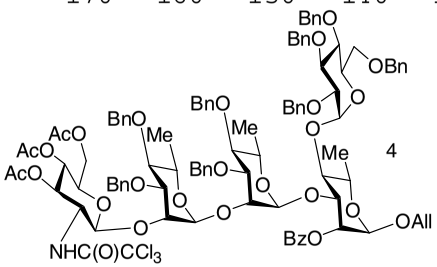
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 4



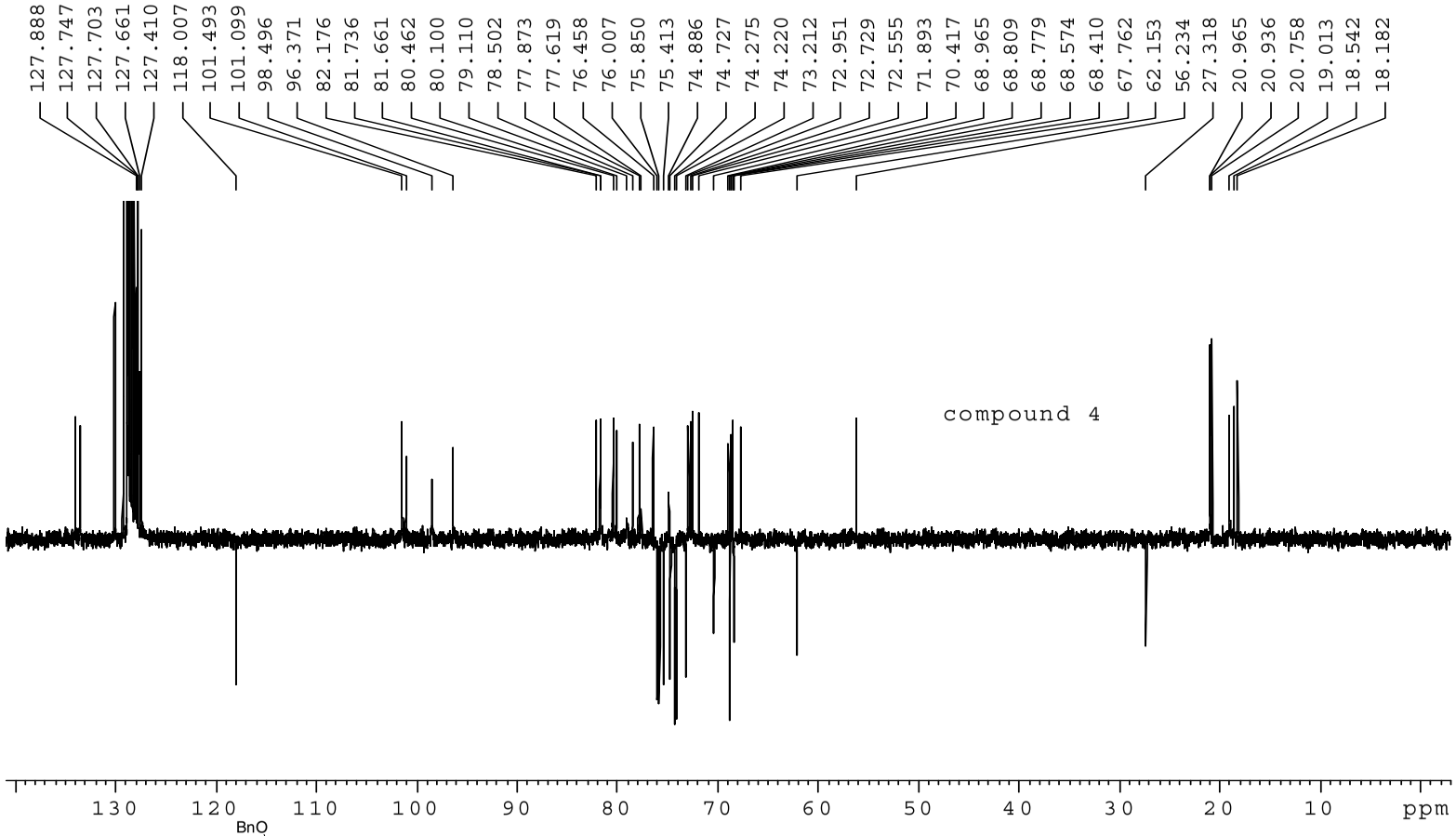


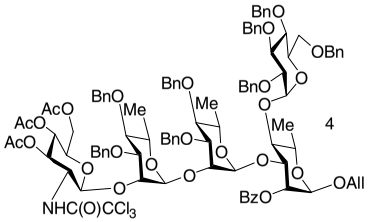
^{13}C NMR spectrum of compound 4



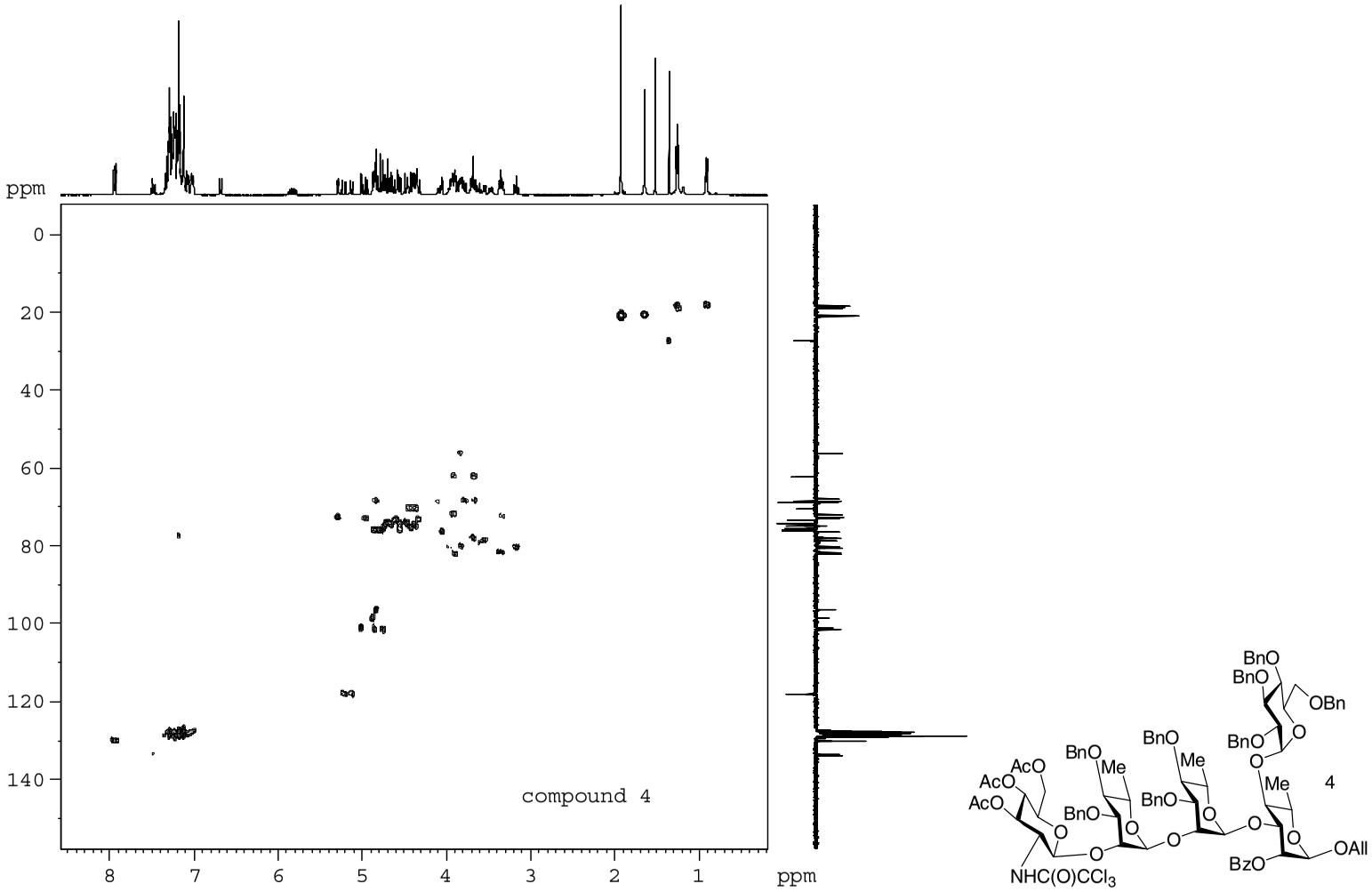


^{13}C (DEPT) NMR spectrum of compound 4

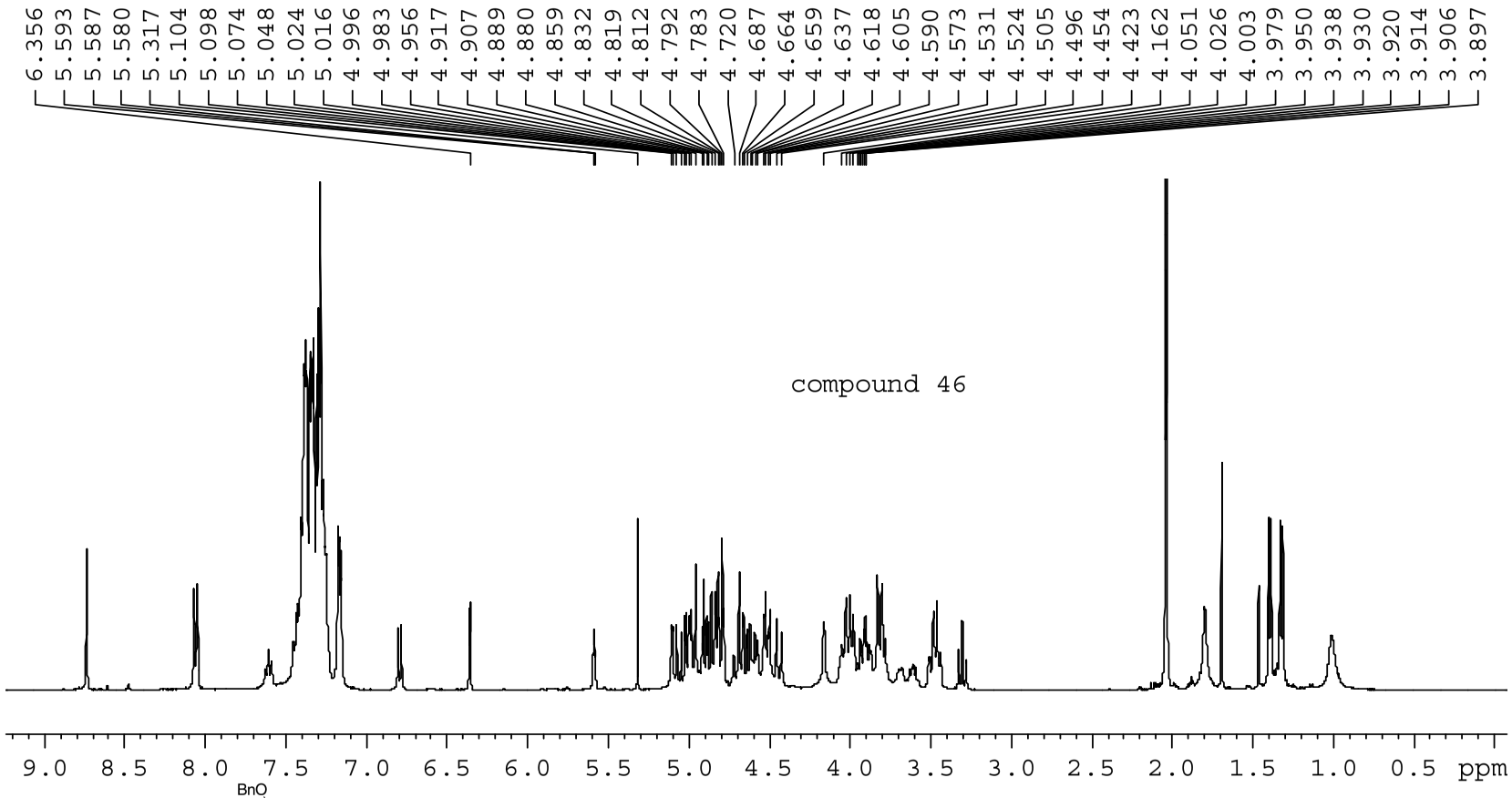


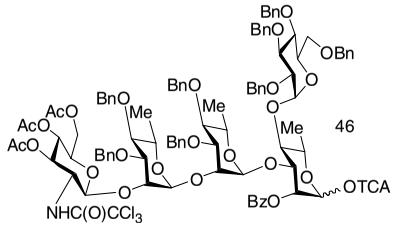


^{1}H-^{13}C NMR 2D-correlation spectrum of compound 4

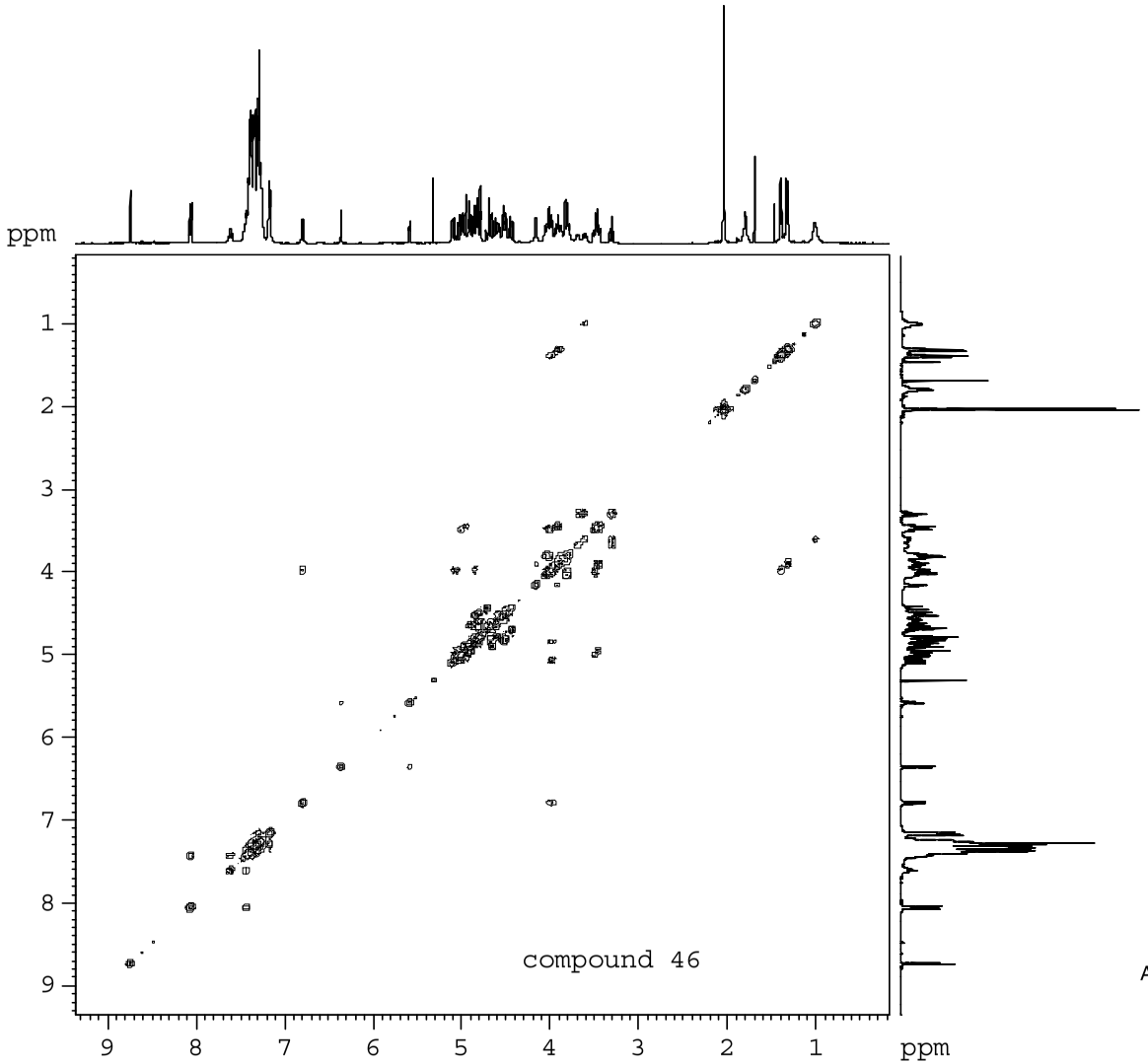


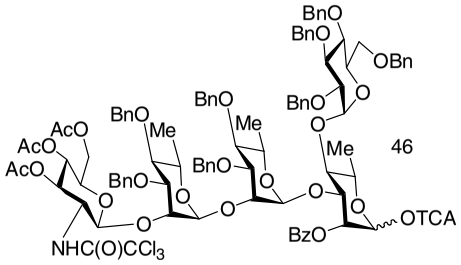
^{1}H spectrum of compound 46



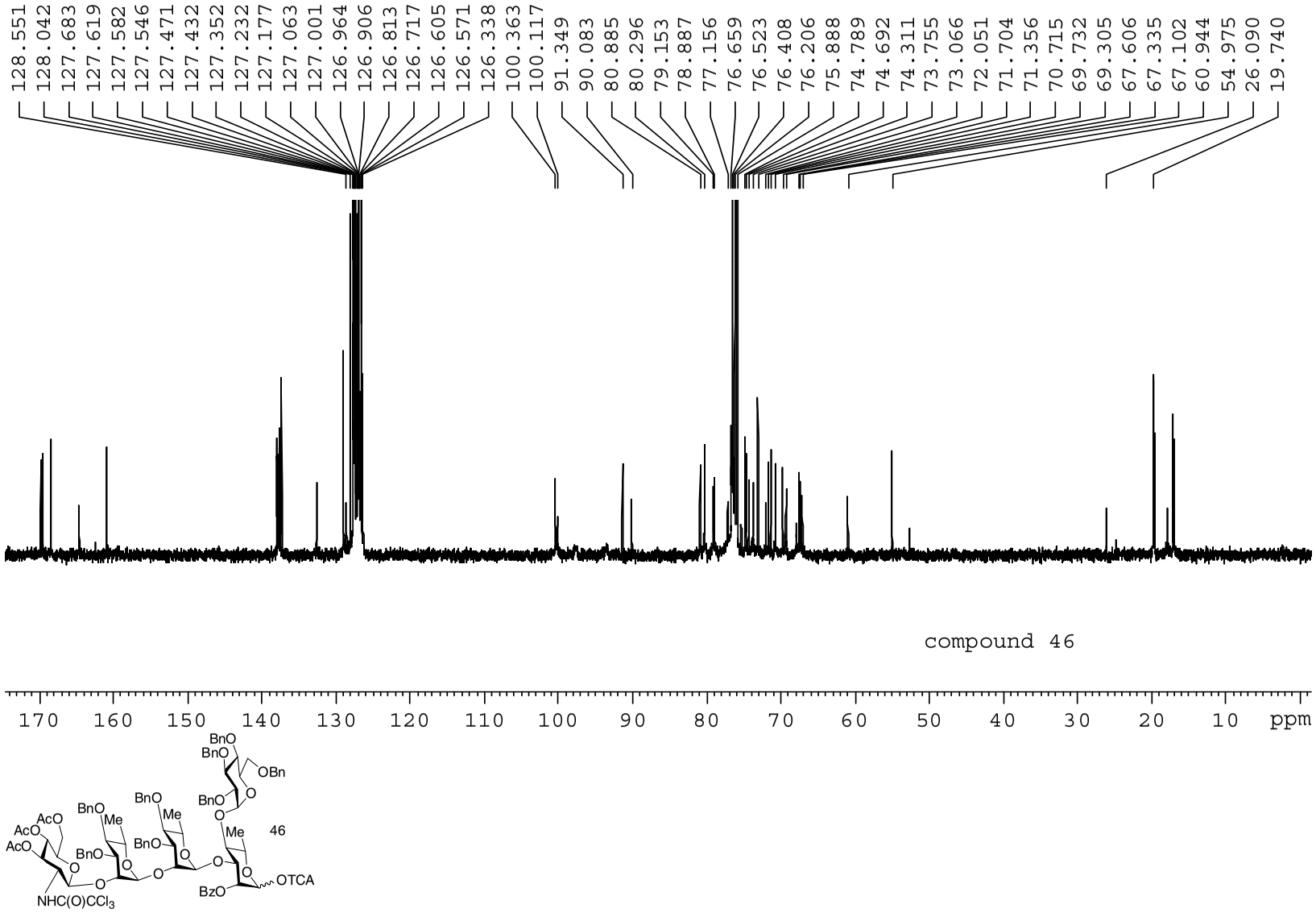


^{1}H-^{1}H NMR 2D-correlation spectrum of compound 46

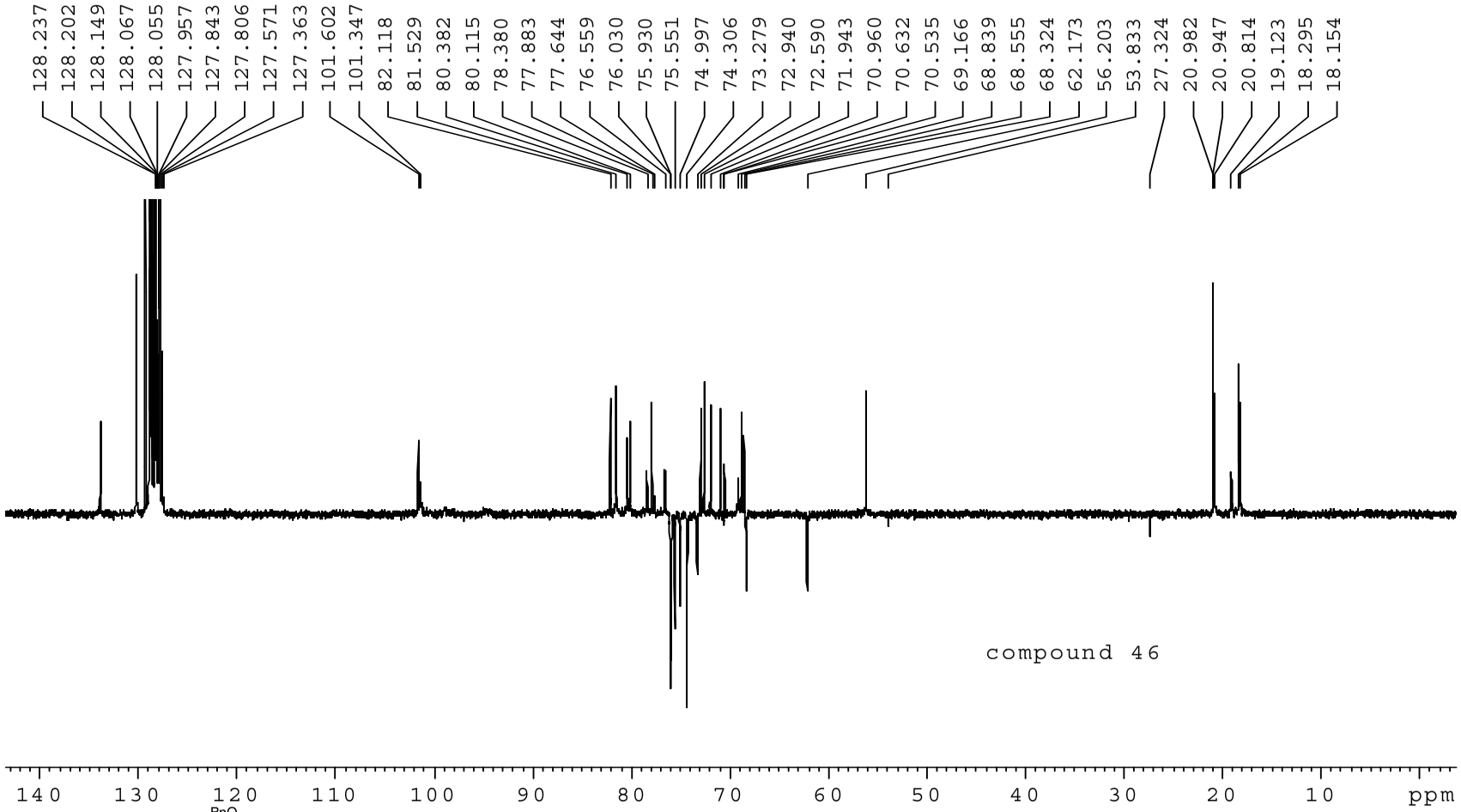


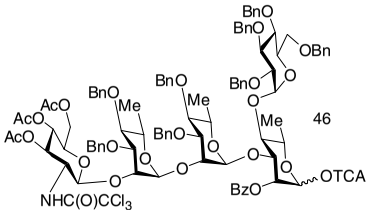


^{13}C NMR spectrum of compound 46

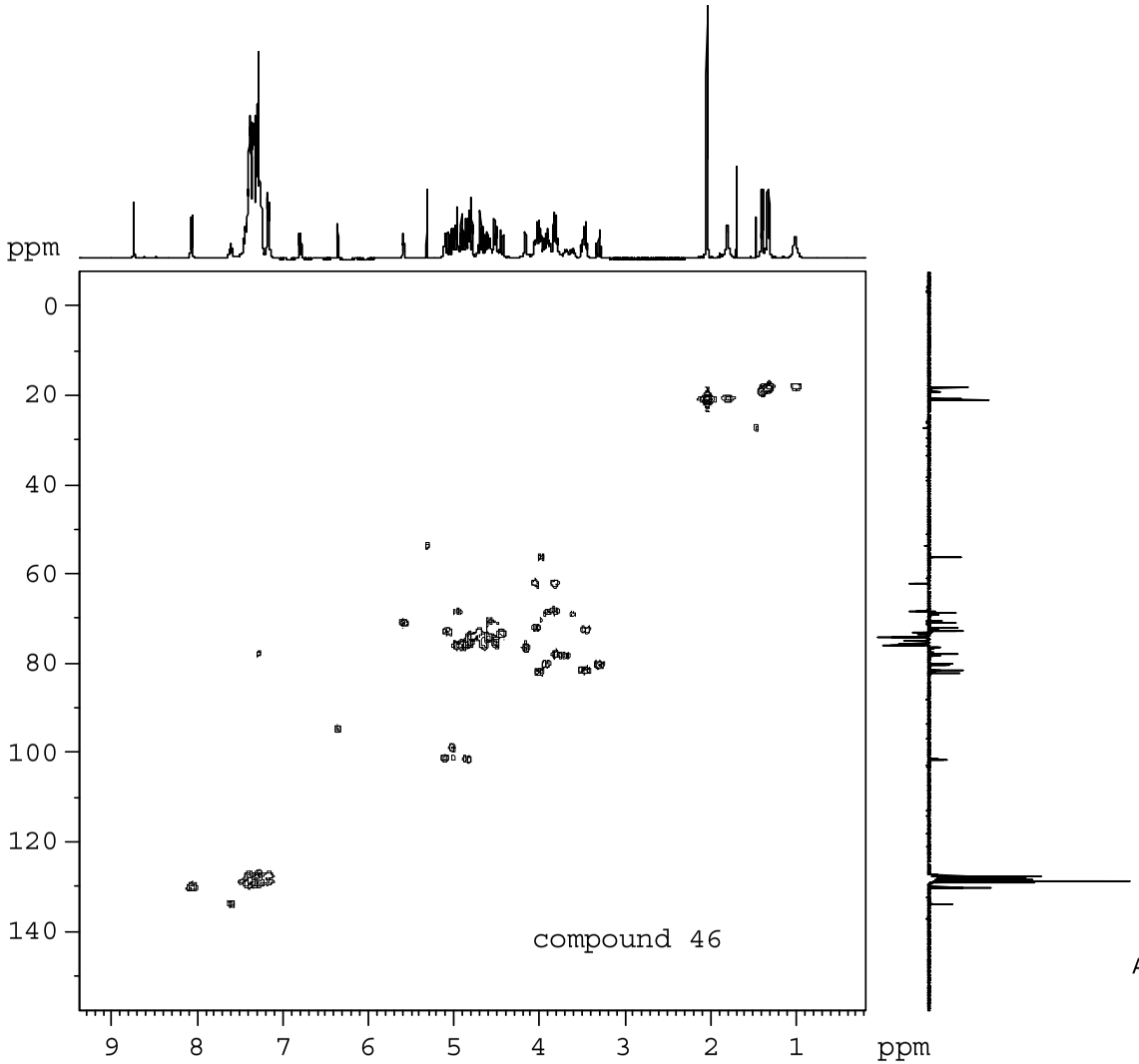


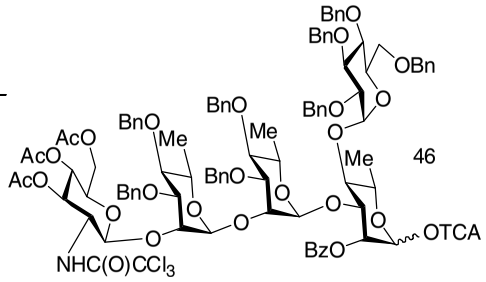
^{13}C (DEPT) NMR spectrum of compound 46



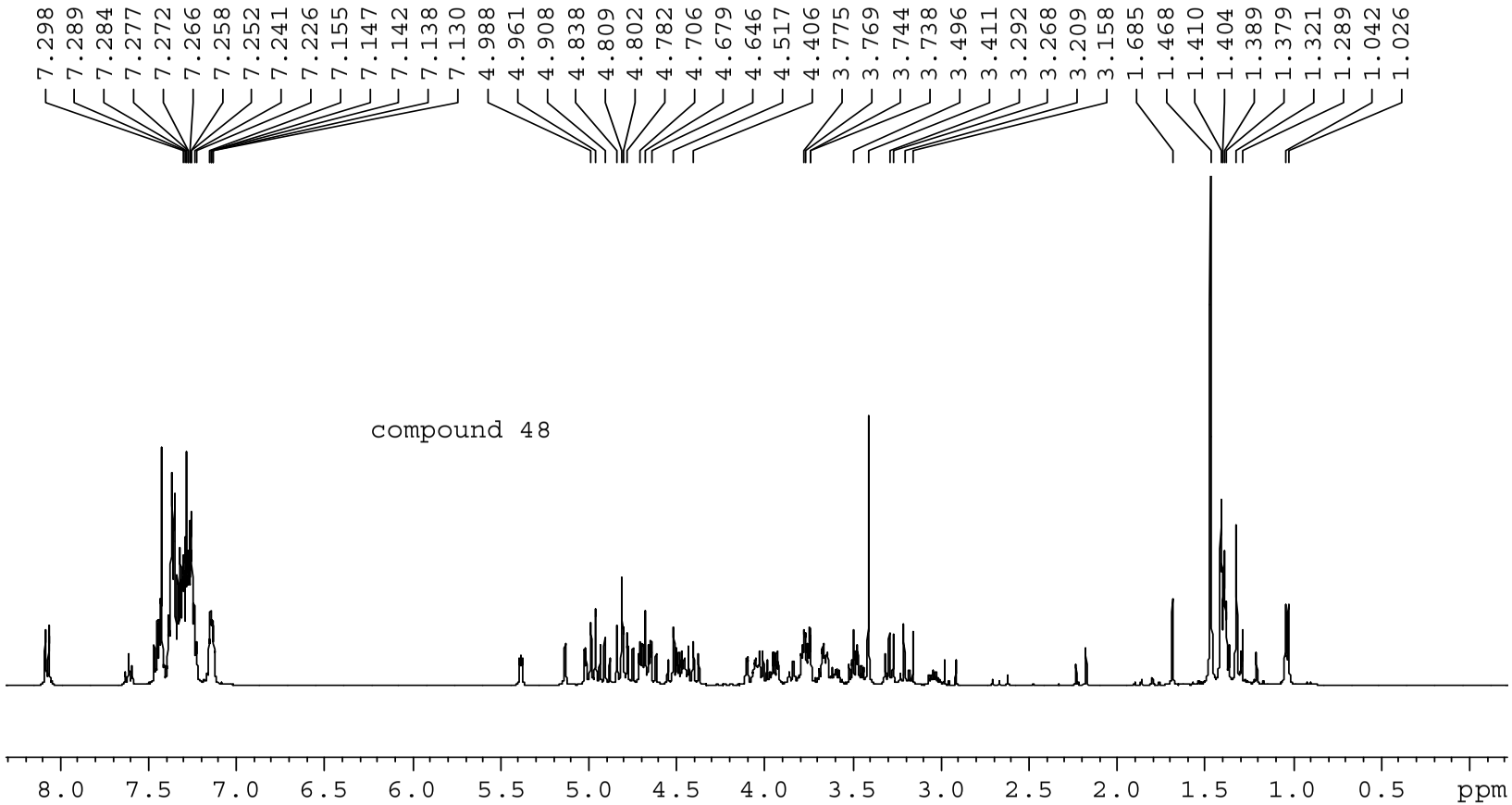


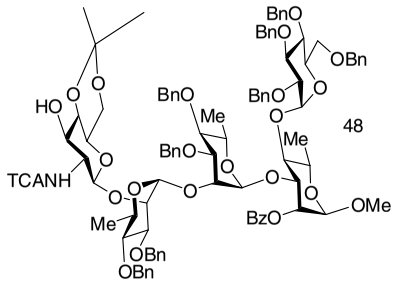
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 46



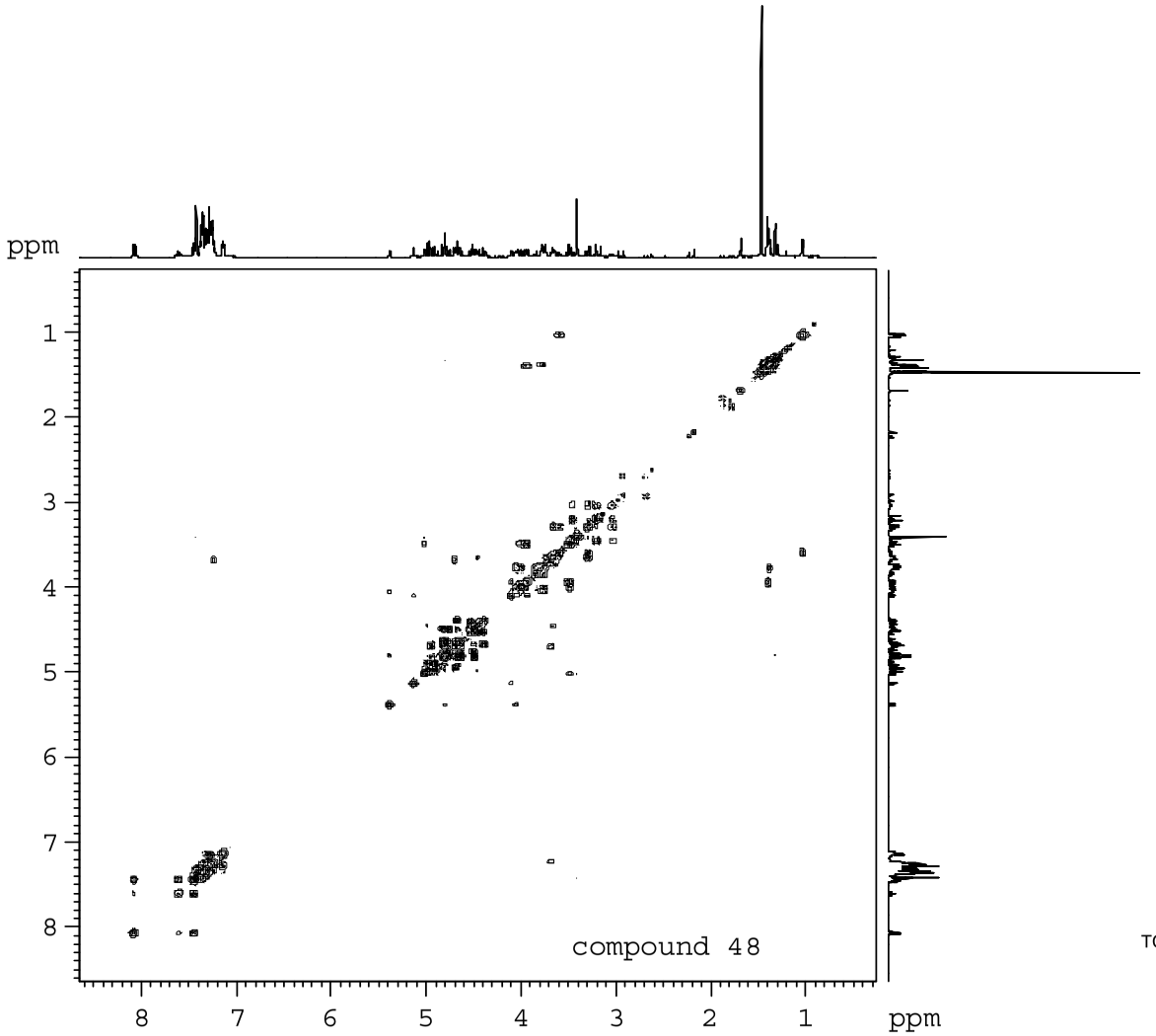


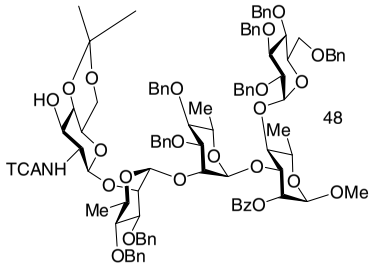
^{1}H spectrum of compound 48



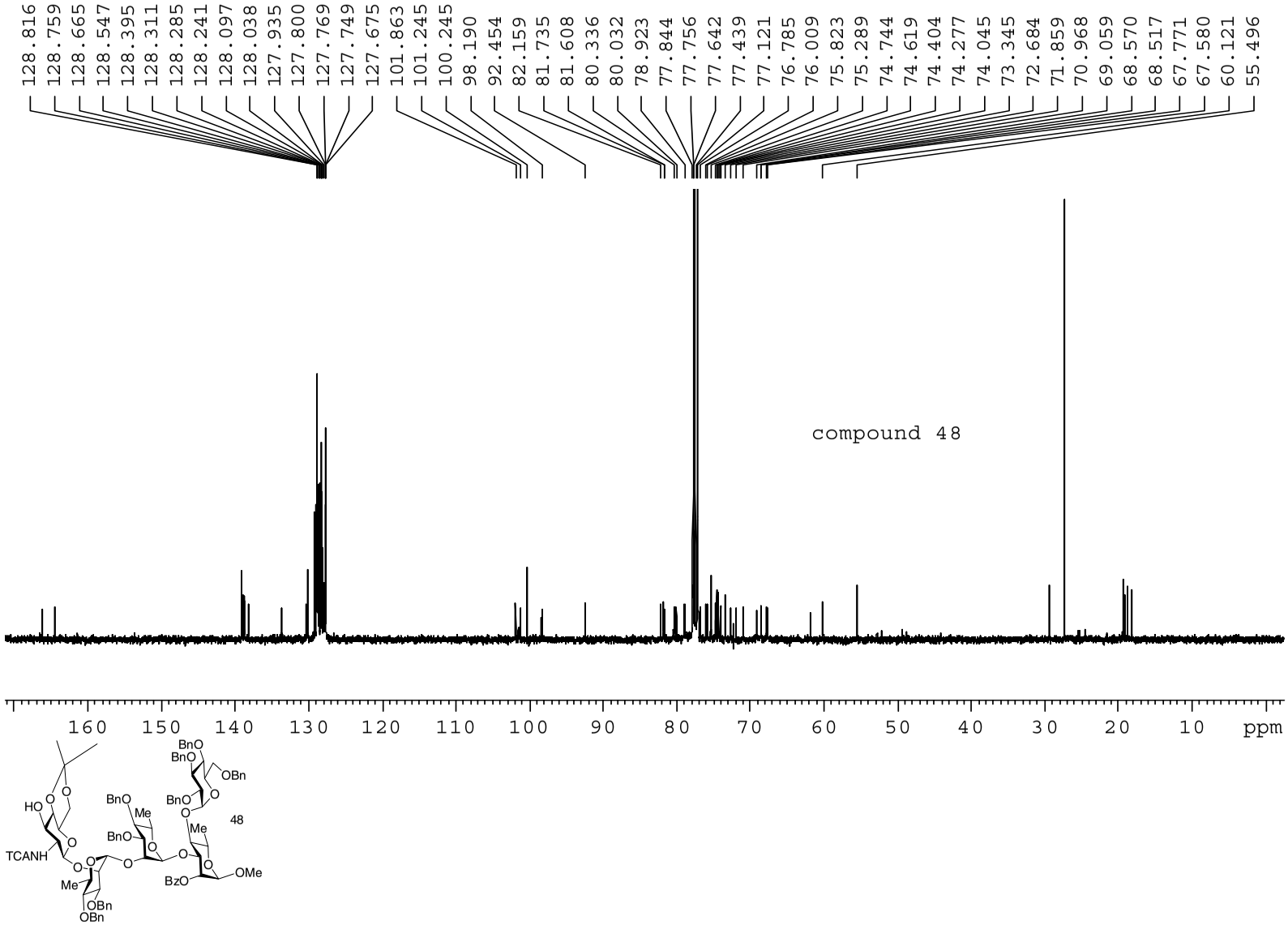


^{1}H-^{1}H NMR 2D-correlation spectrum of compound 48

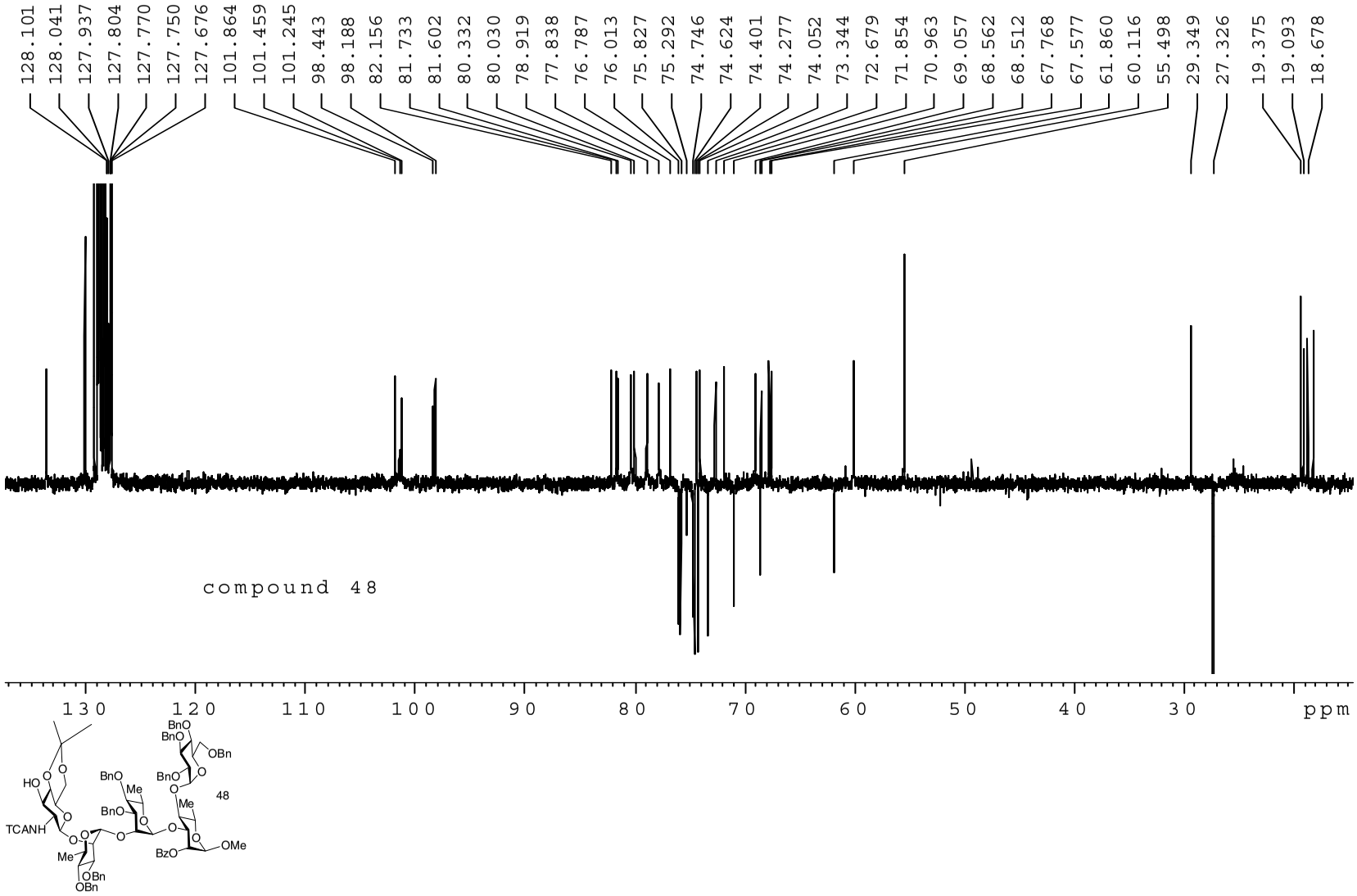




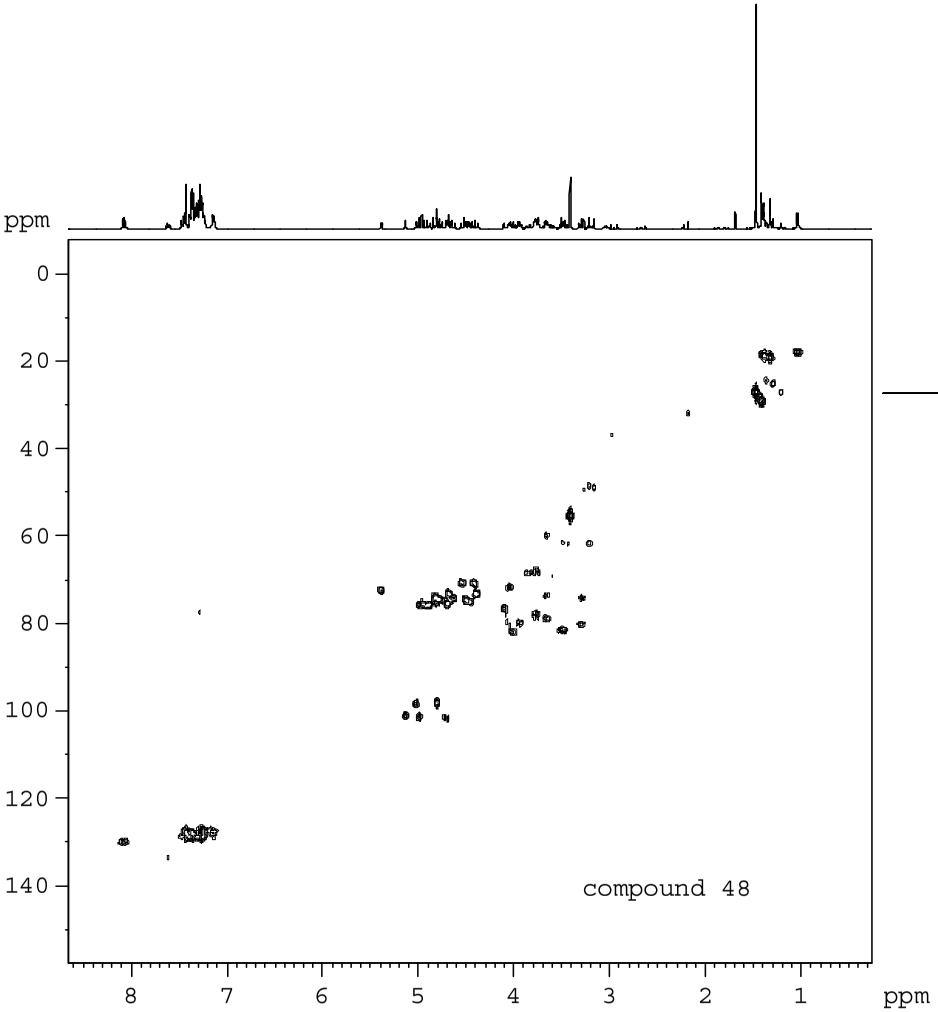
^{13}C NMR spectrum of compound 48

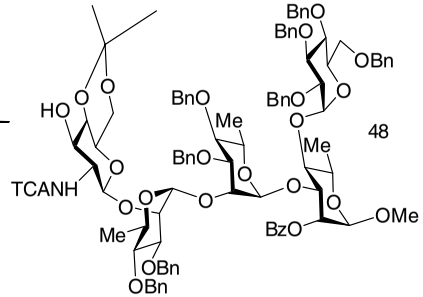


^{13}C (DEPT) NMR spectrum of compound 48

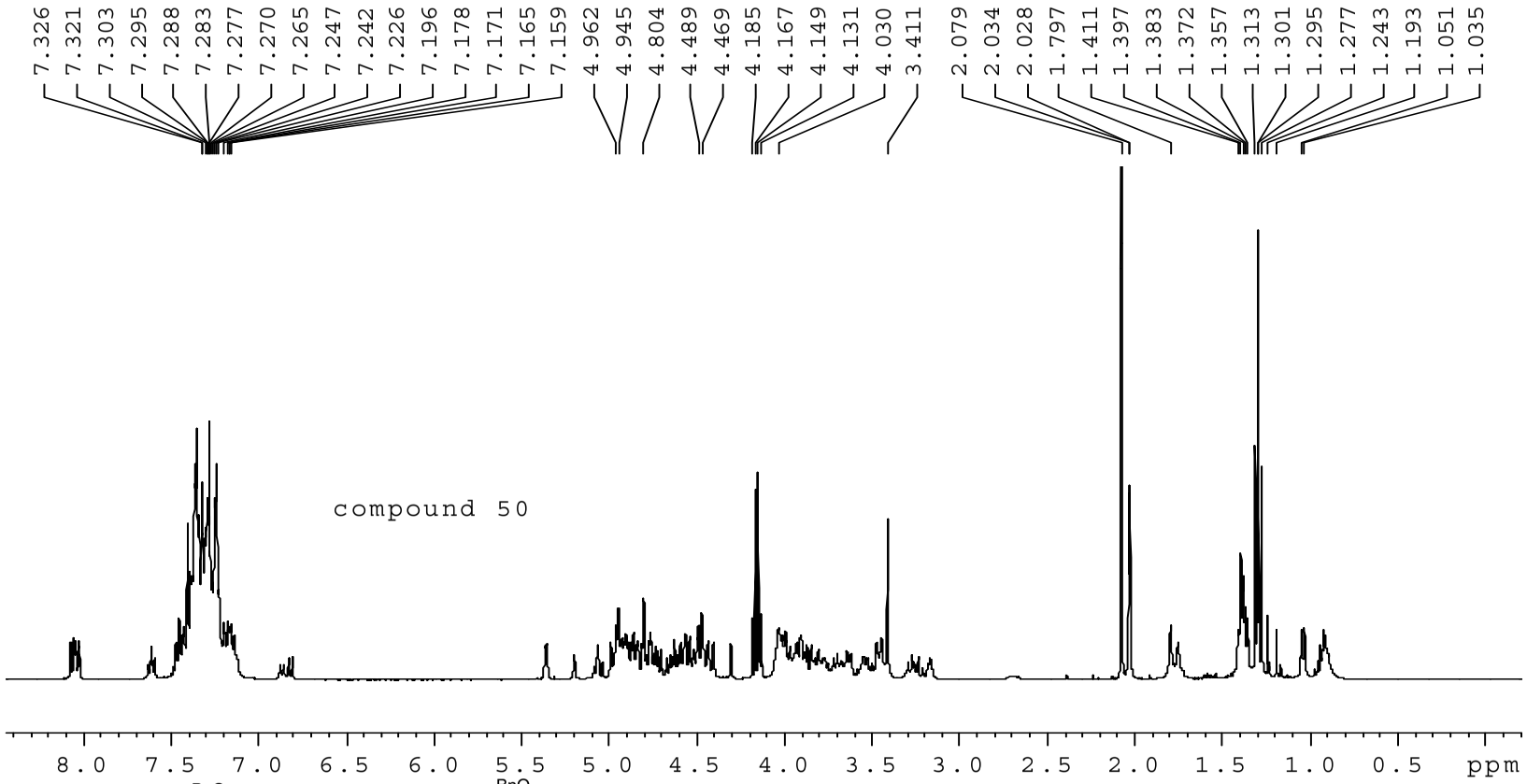


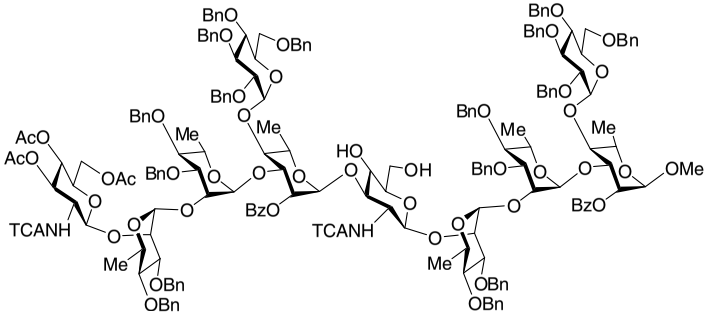
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 48



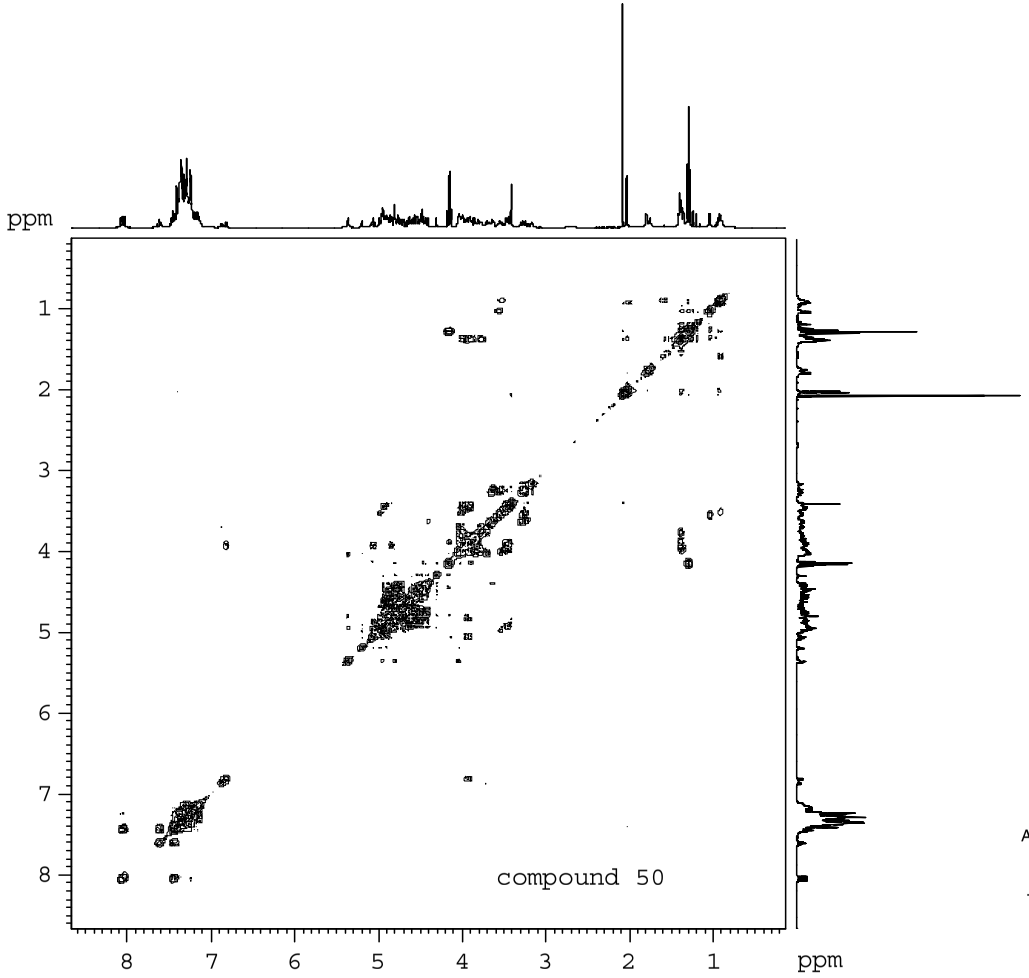


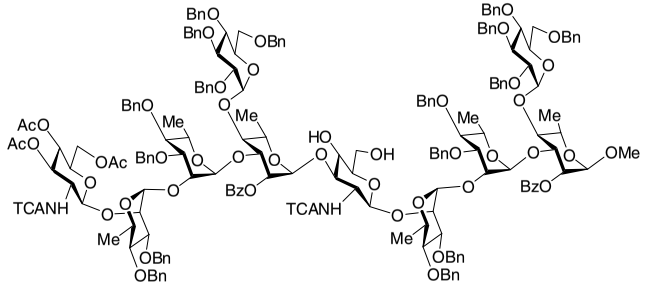
^{1}H spectrum of compound 50



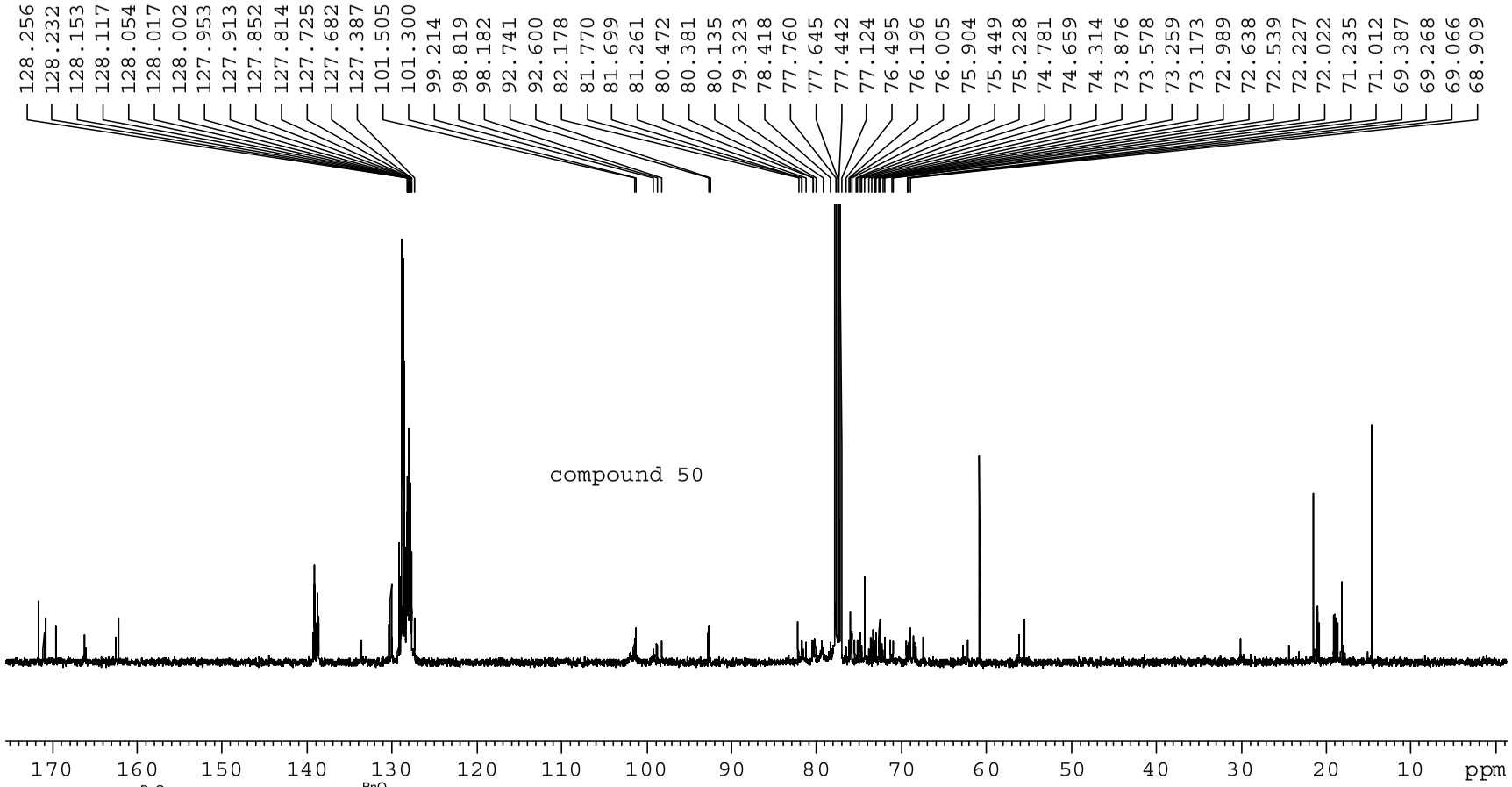


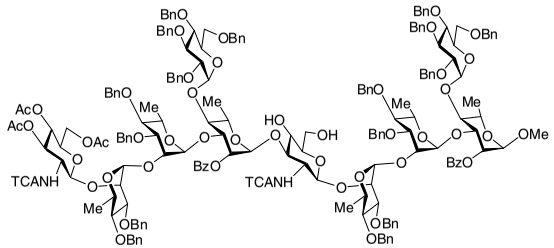
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 50



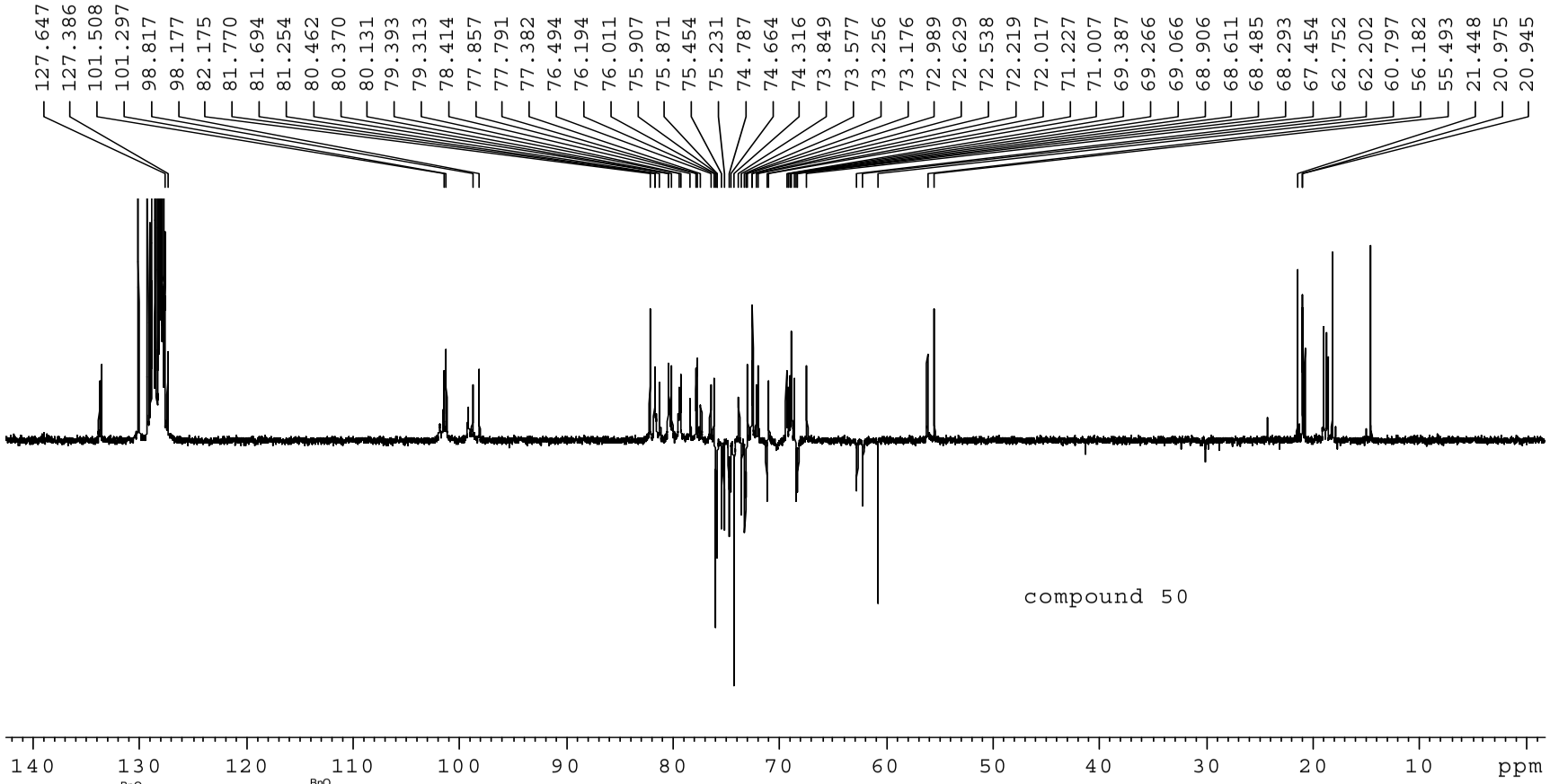


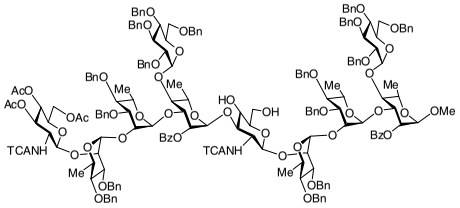
^{13}C NMR spectrum of compound 50



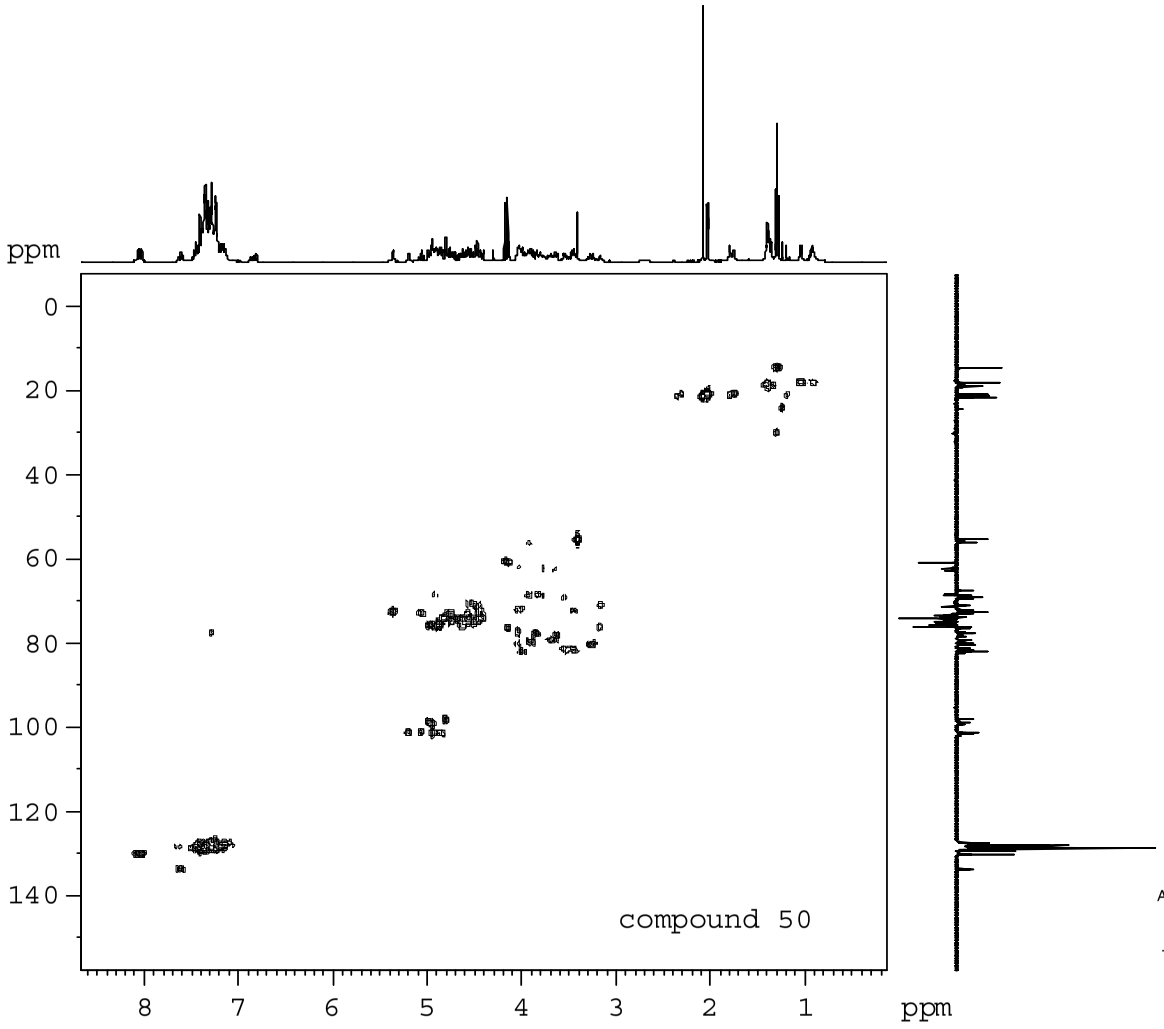


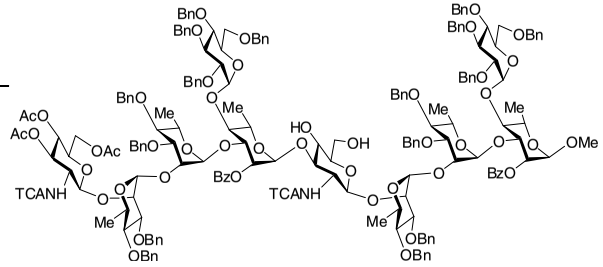
^{13}C (DEPT) NMR spectrum of compound 50



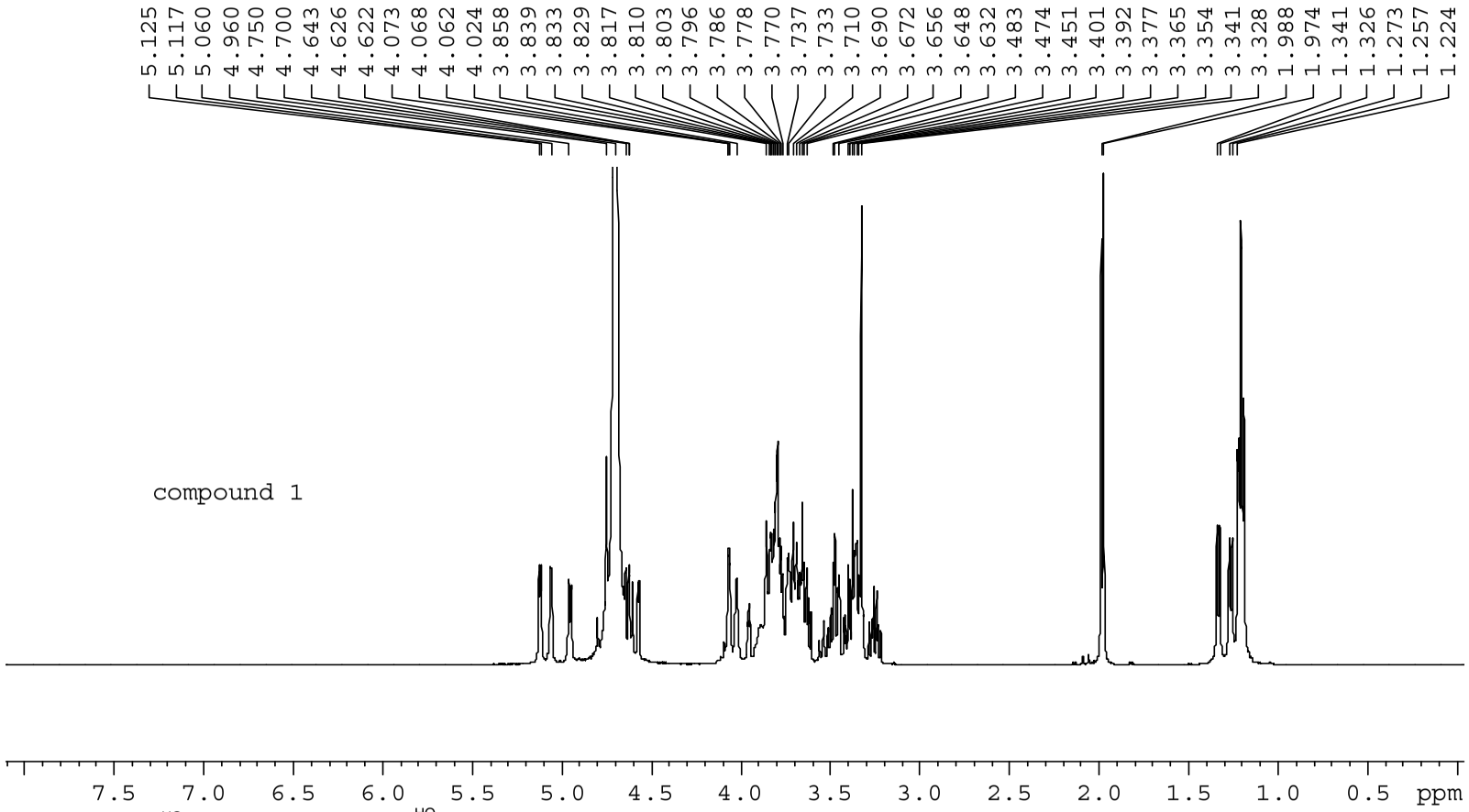


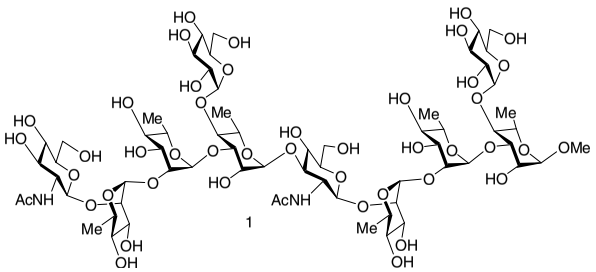
^{1}H-^{13}C NMR 2D-correlation spectrum of compound 50



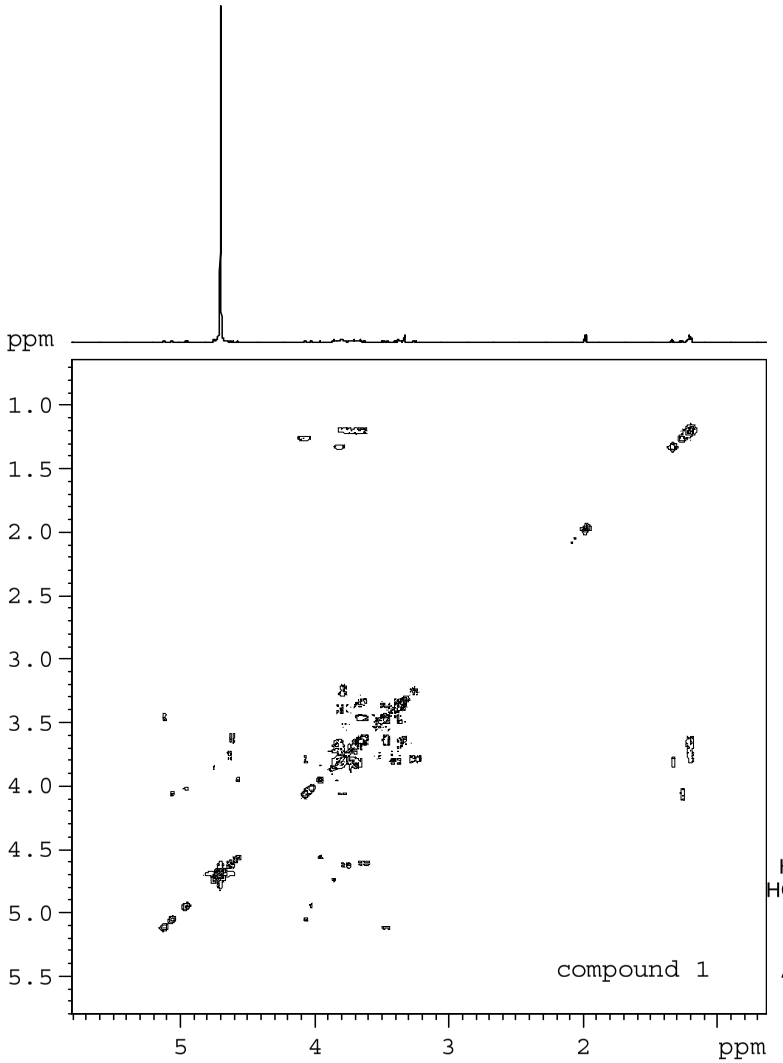


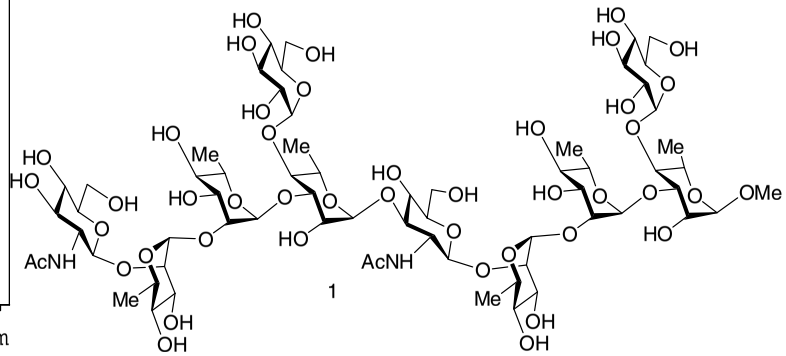
^{1}H spectrum of compound 1



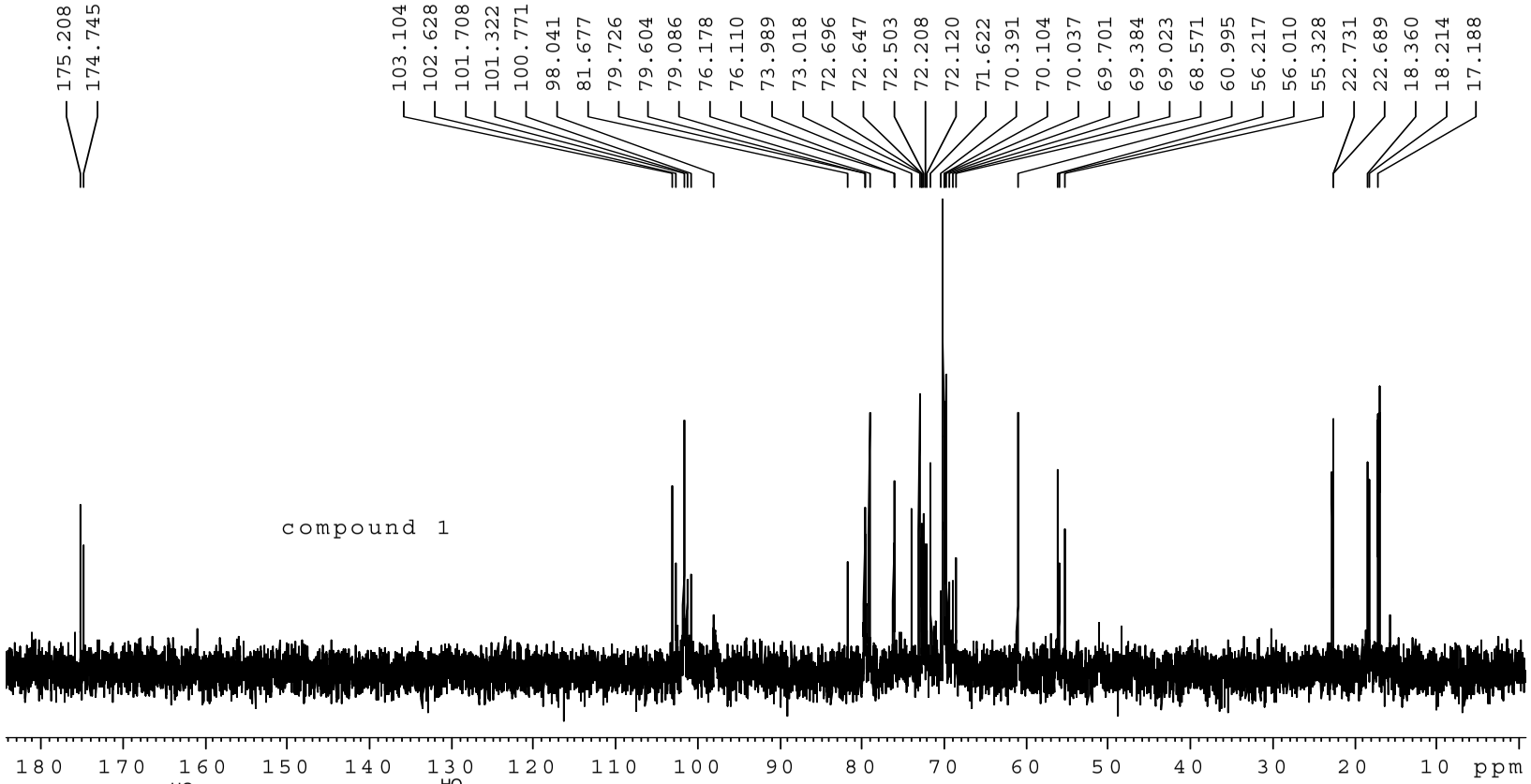


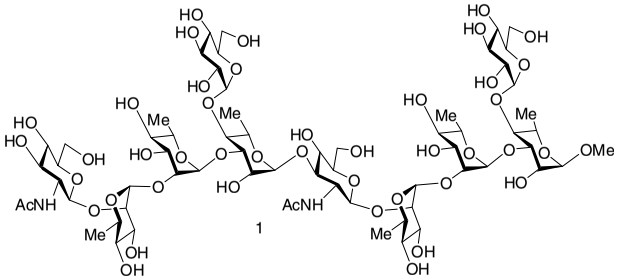
^{1}H-^{1}H NMR 2D-correlation spectrum of compound 1



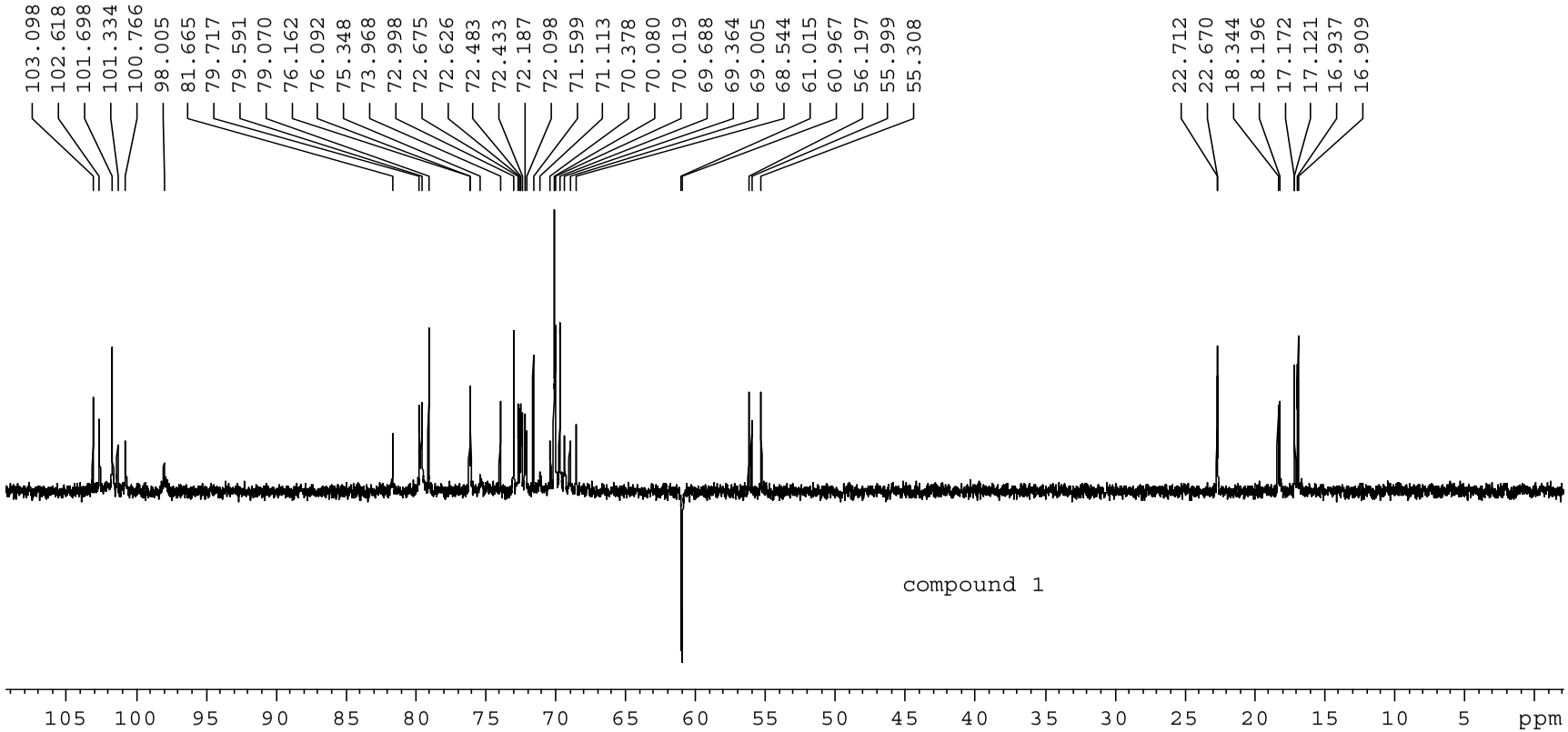


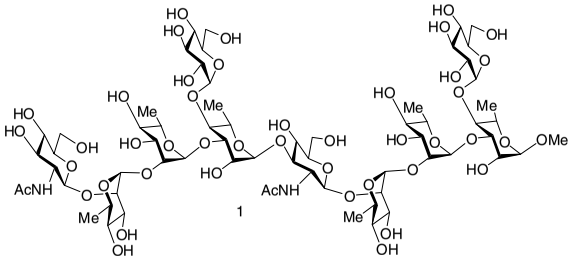
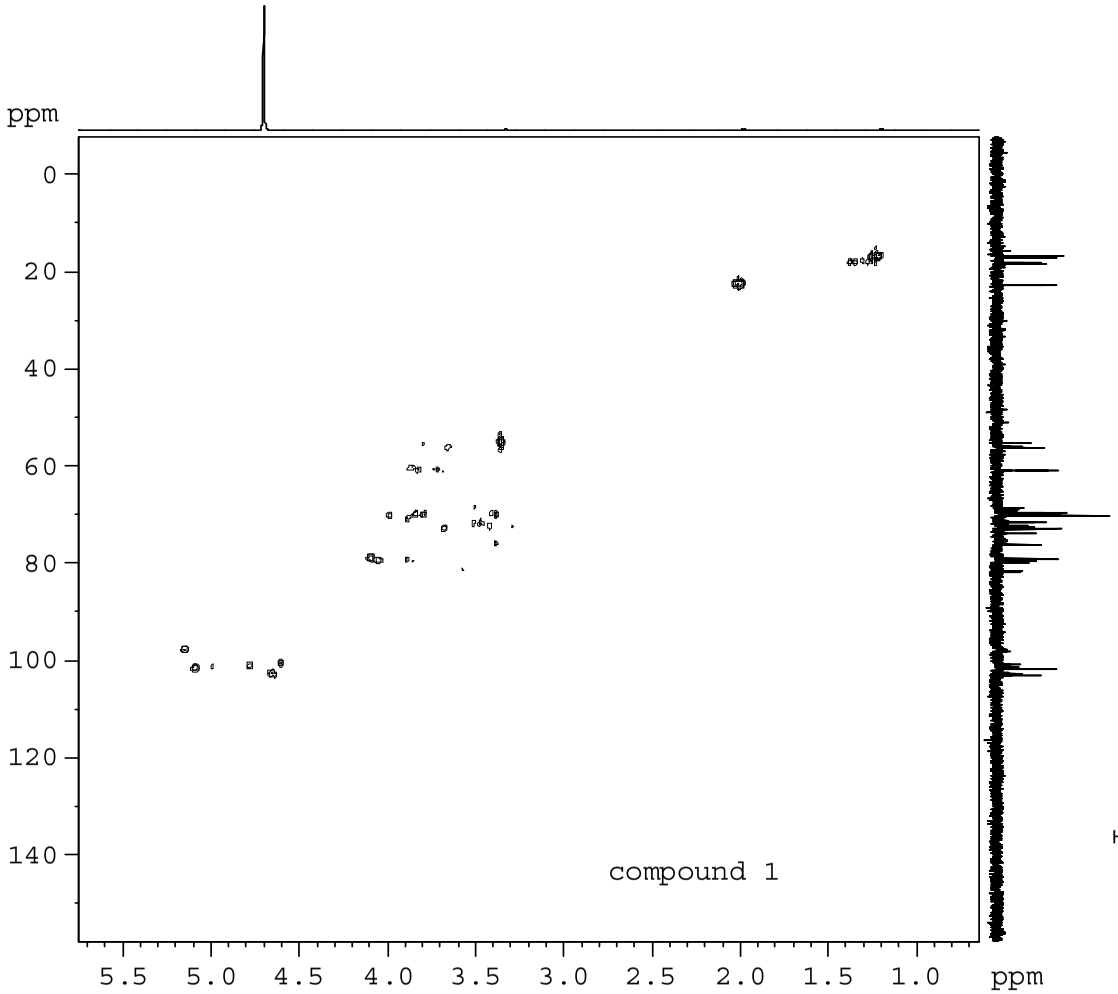
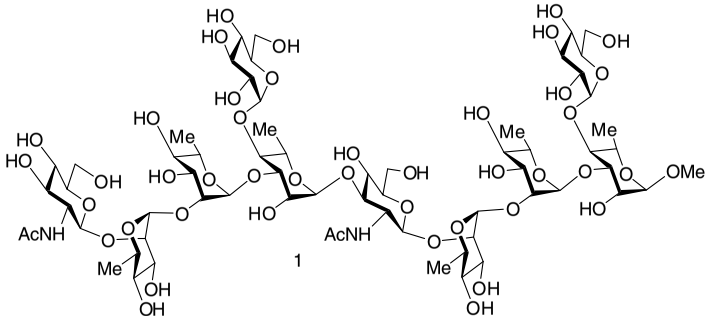
^{13}C NMR spectrum of compound 1





^{13}C (DEPT) NMR spectrum of compound 1





^{1}H-^{13}C NMR 2D-correlation spectrum of compound 1