

Supporting Information for

Total Synthesis of (±)-Sacidumlignans **D** and **A** through Ueno–Stork Radical Cyclization Reaction

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Ya-Wen Wang

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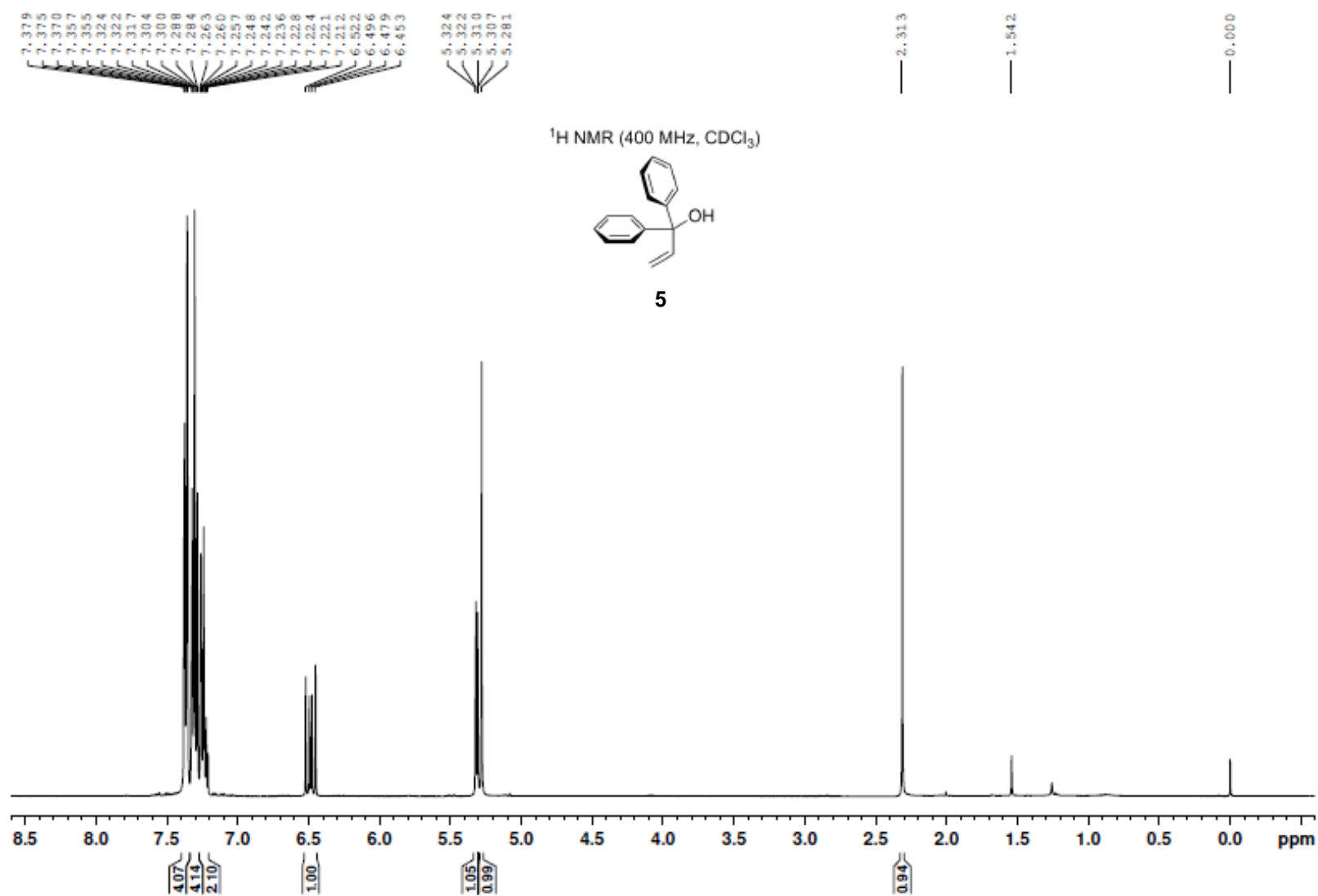
pengyu@lzu.edu.cn

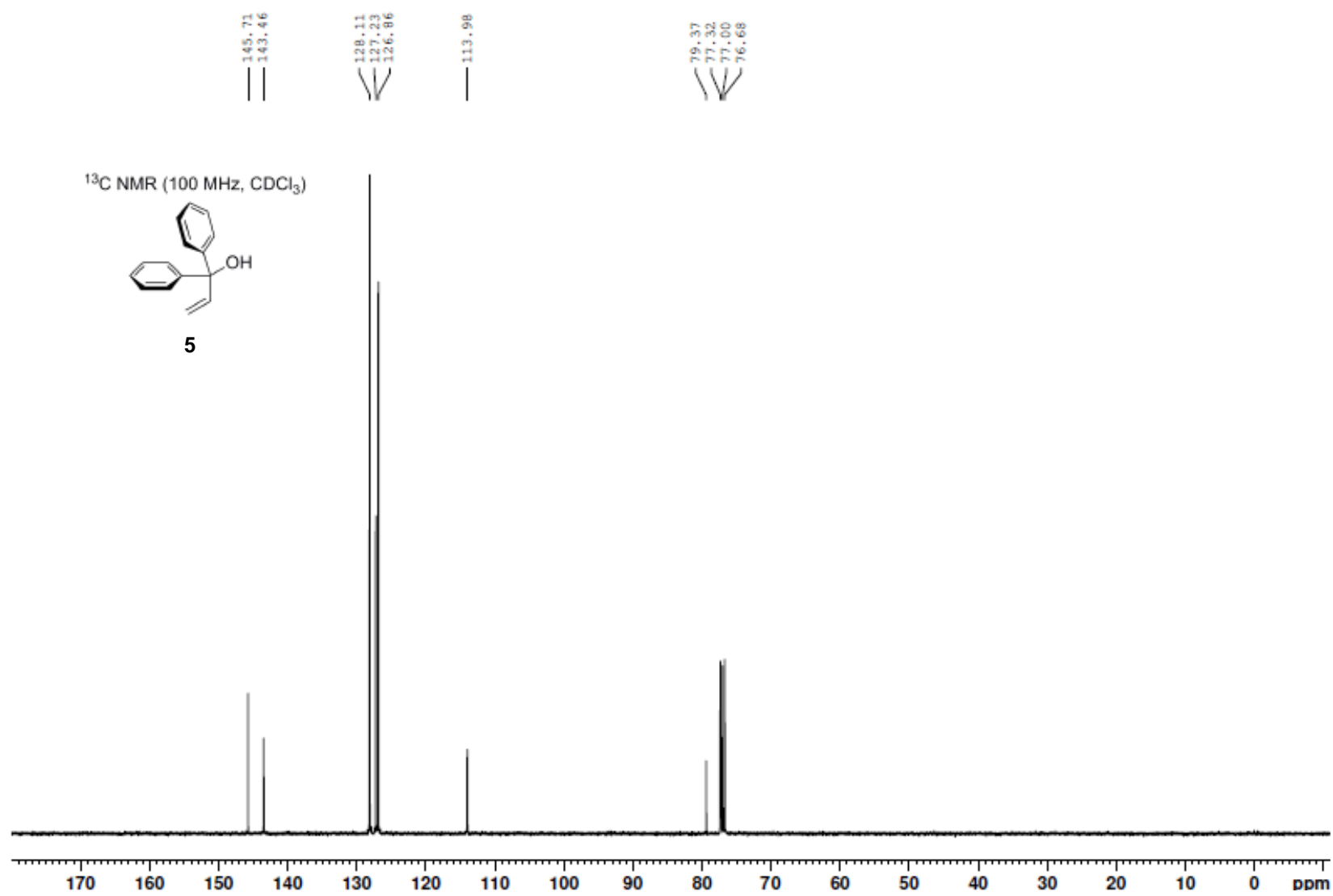
[†] These authors contributed equally to this work.

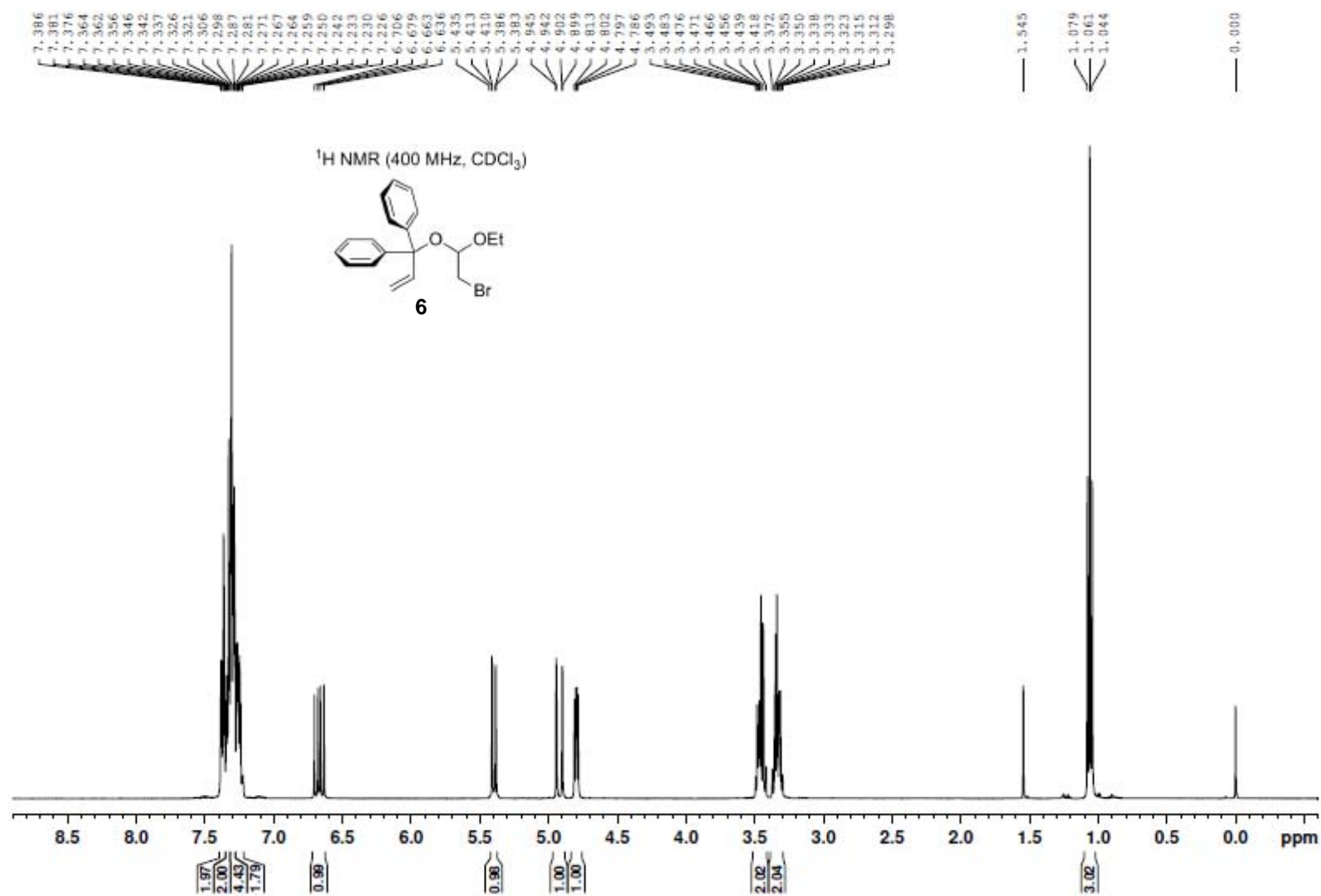
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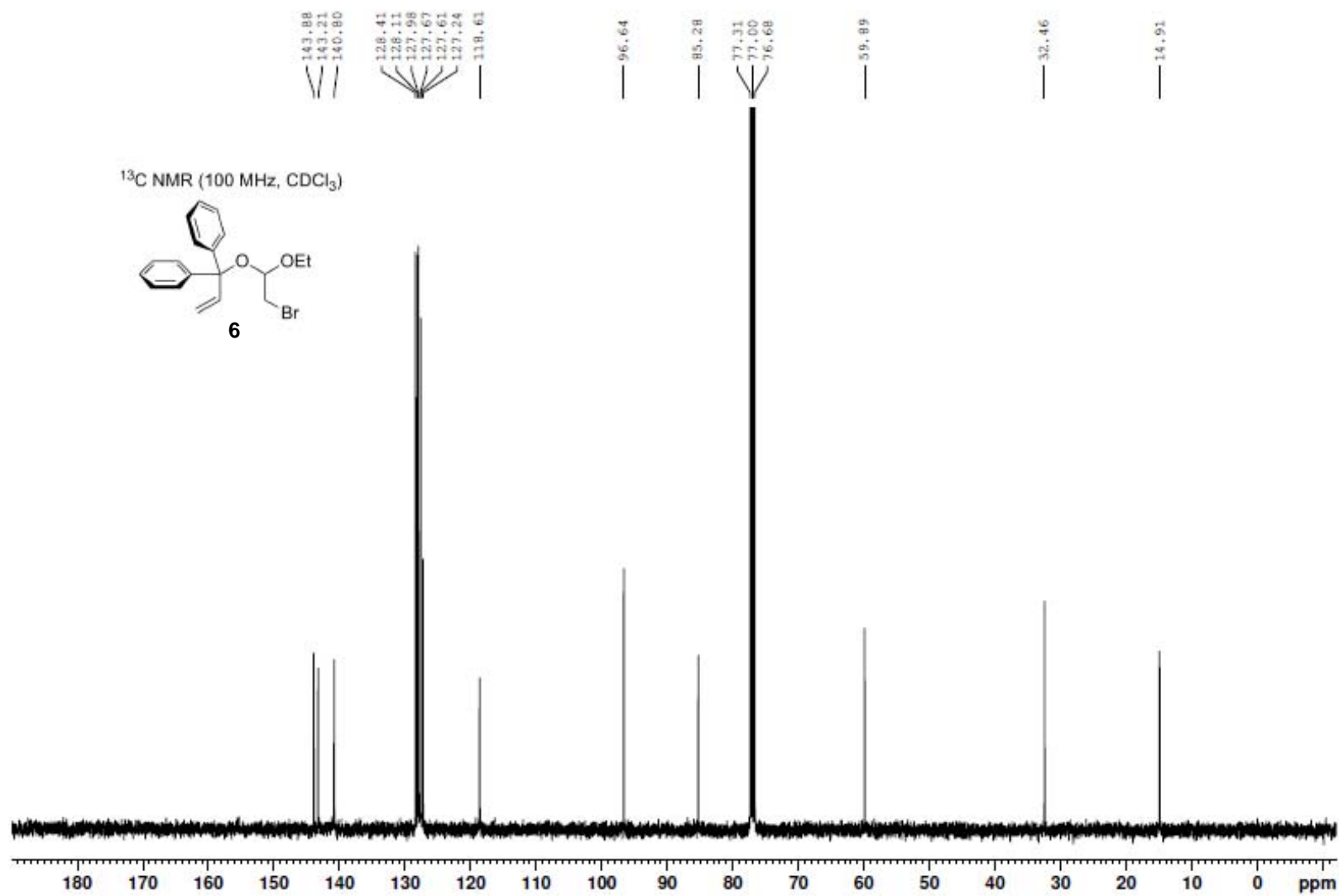
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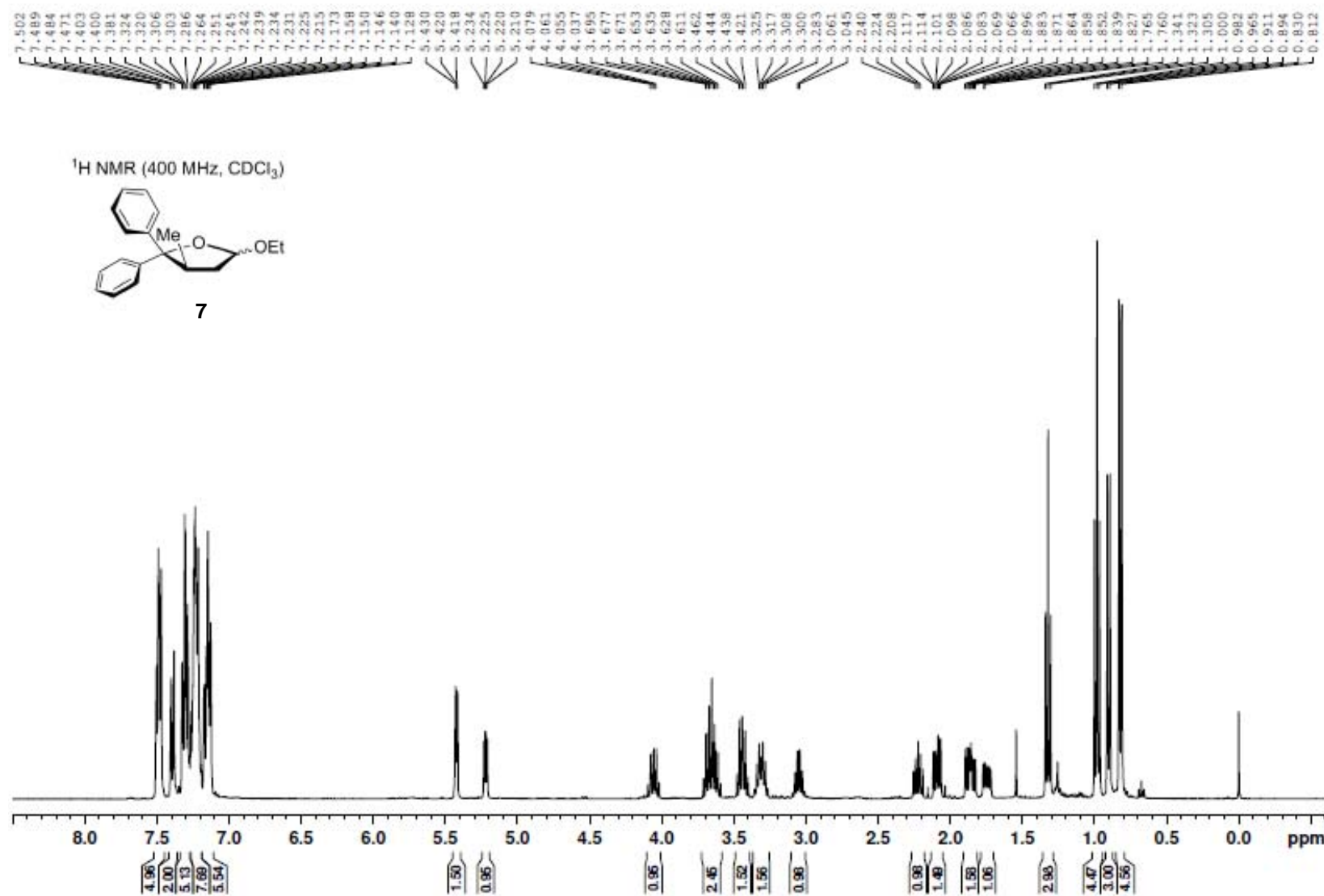
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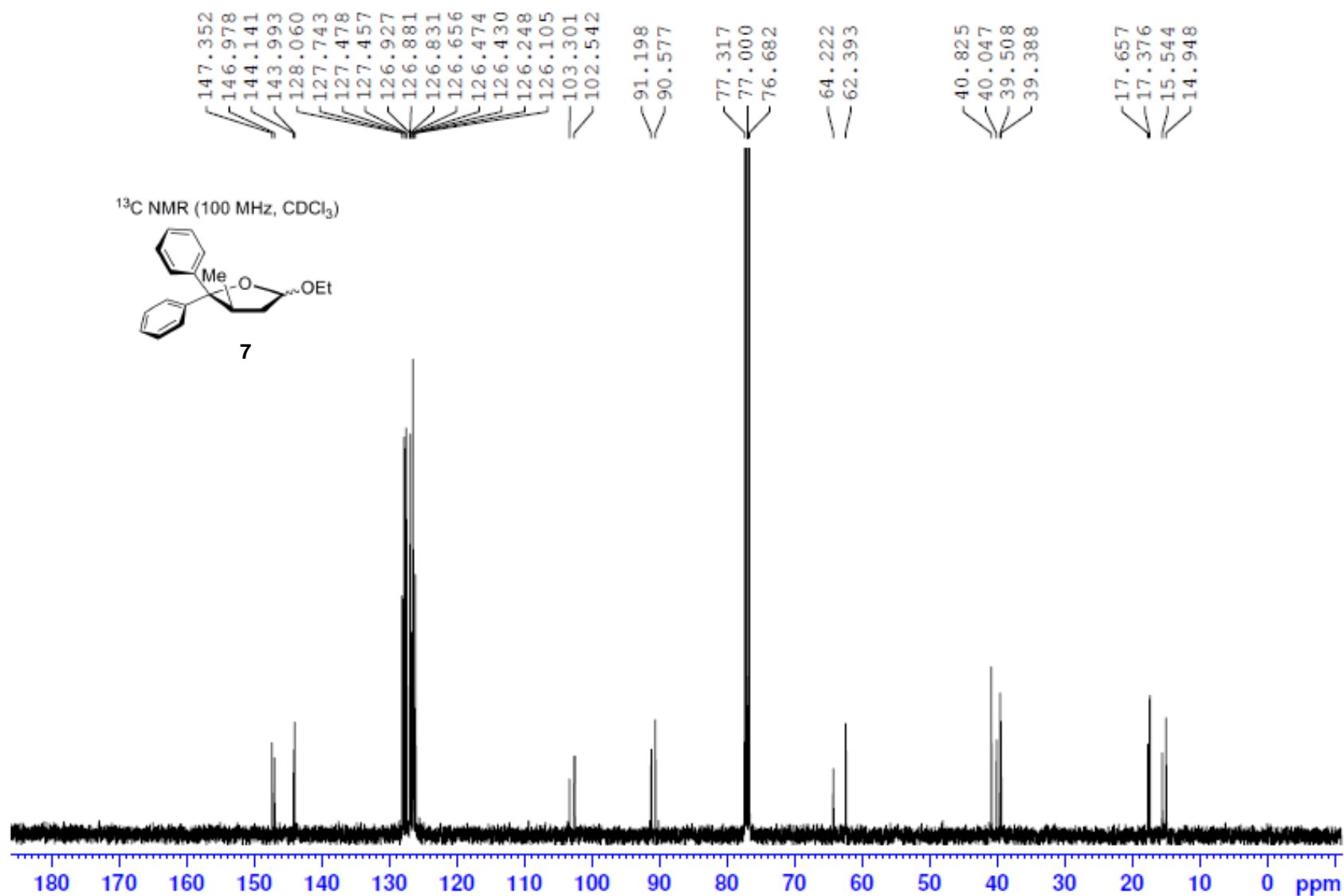


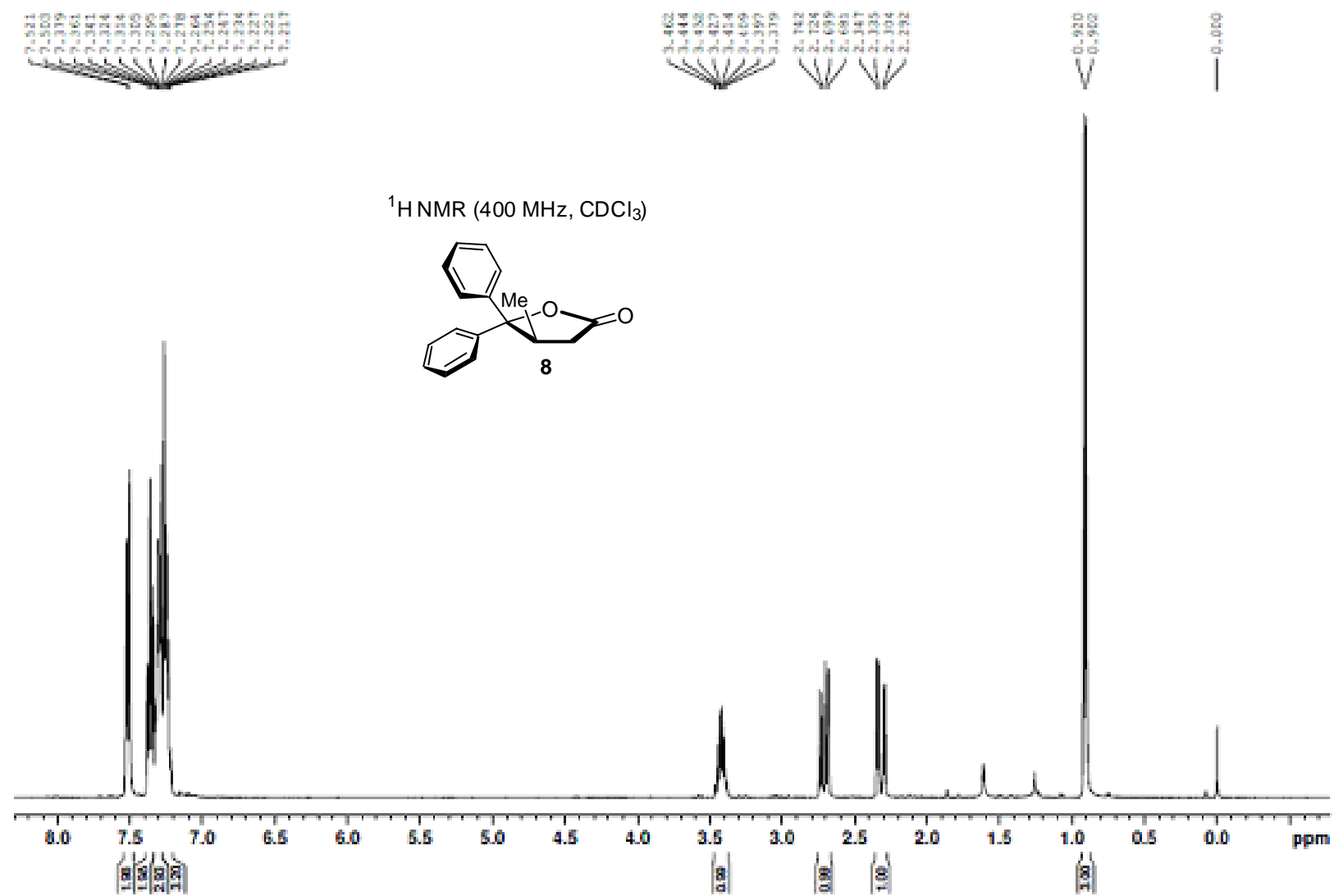


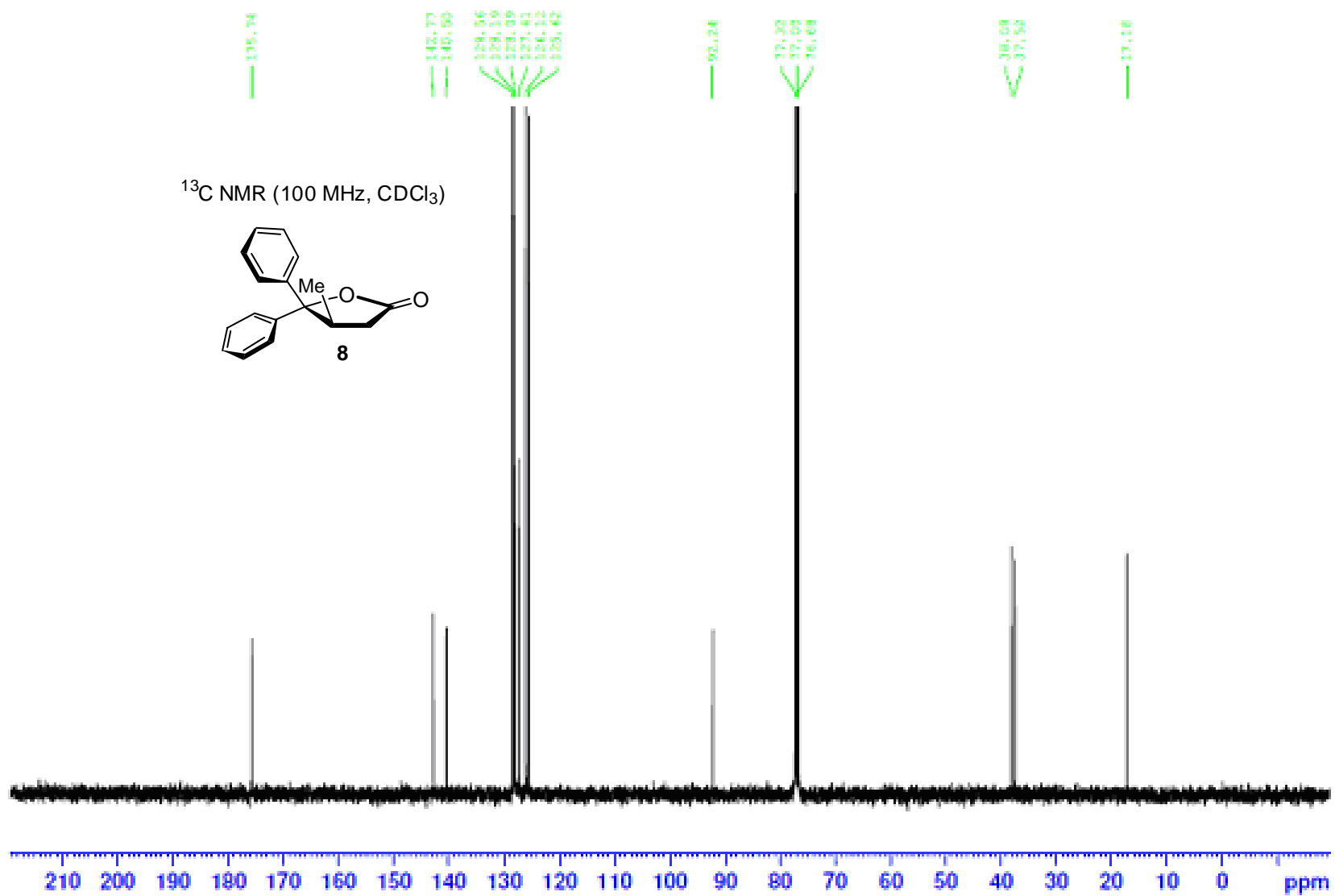


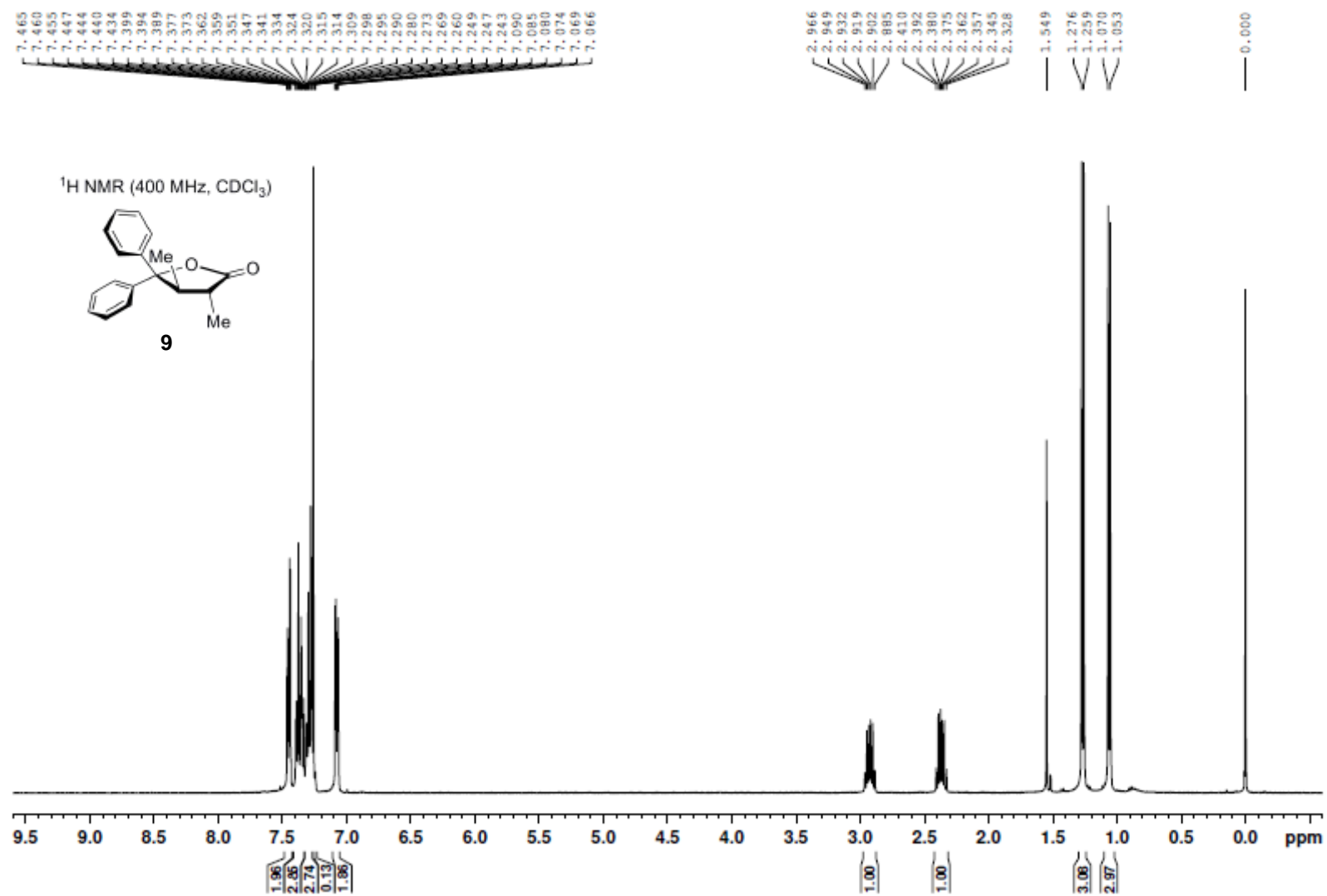


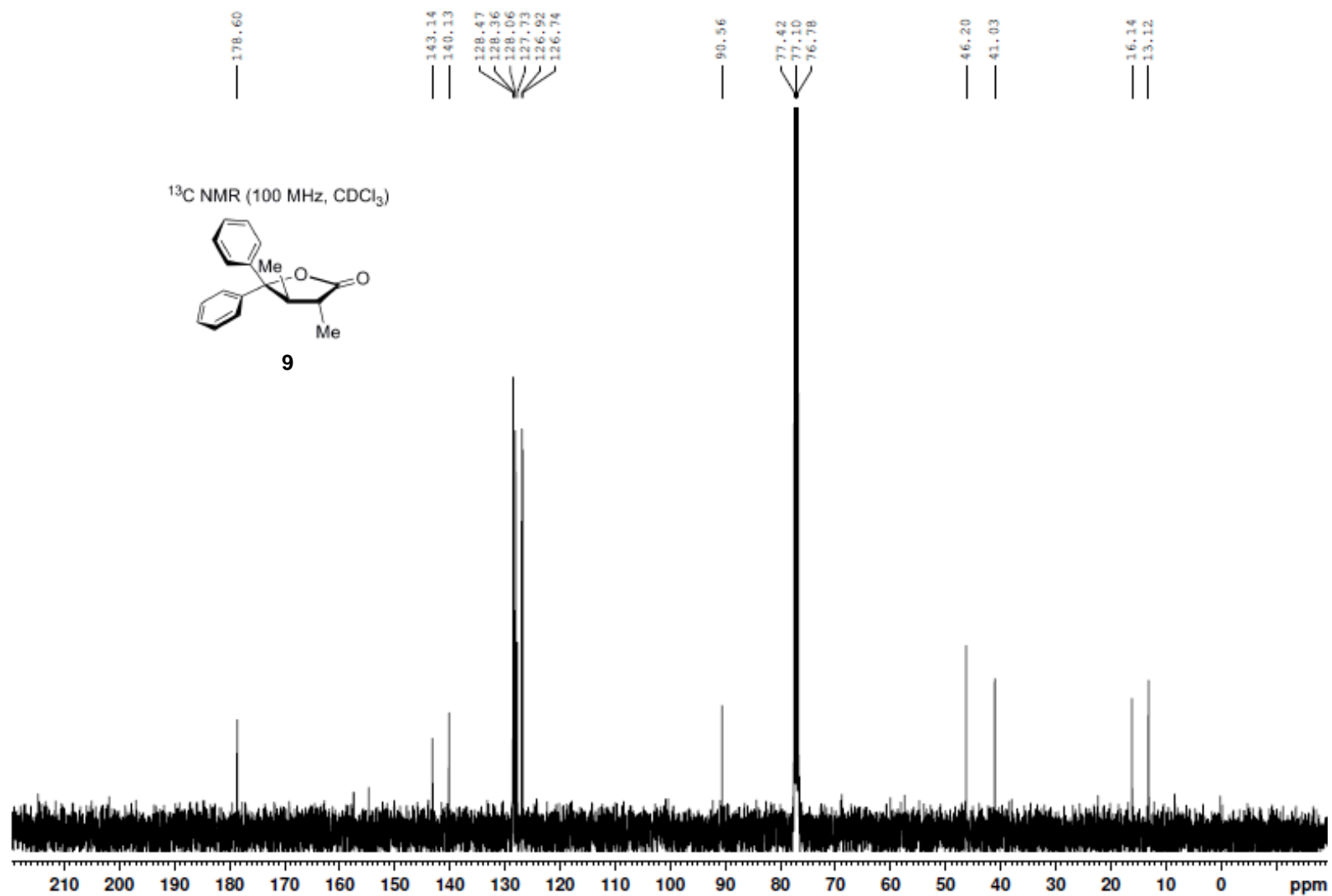


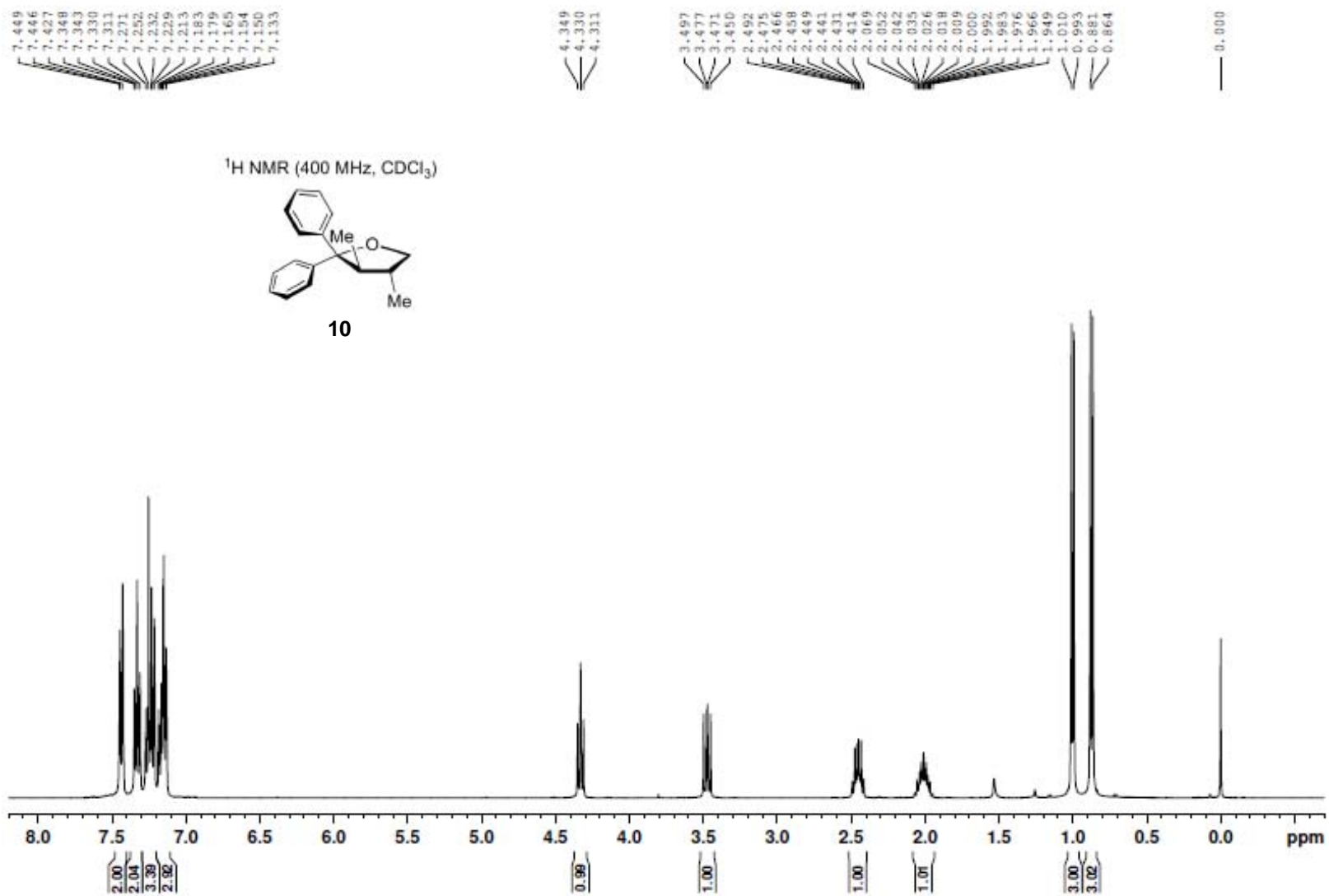


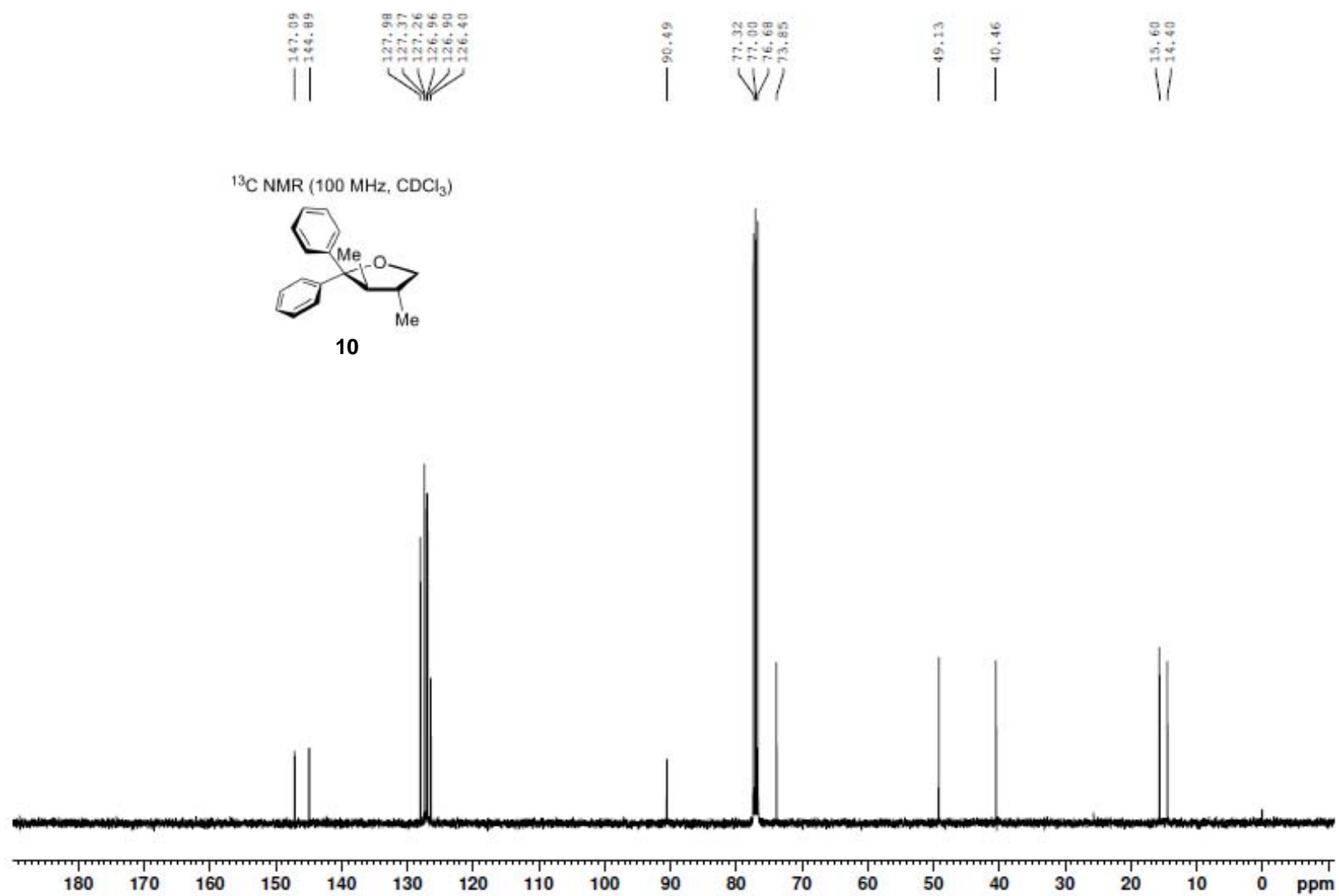


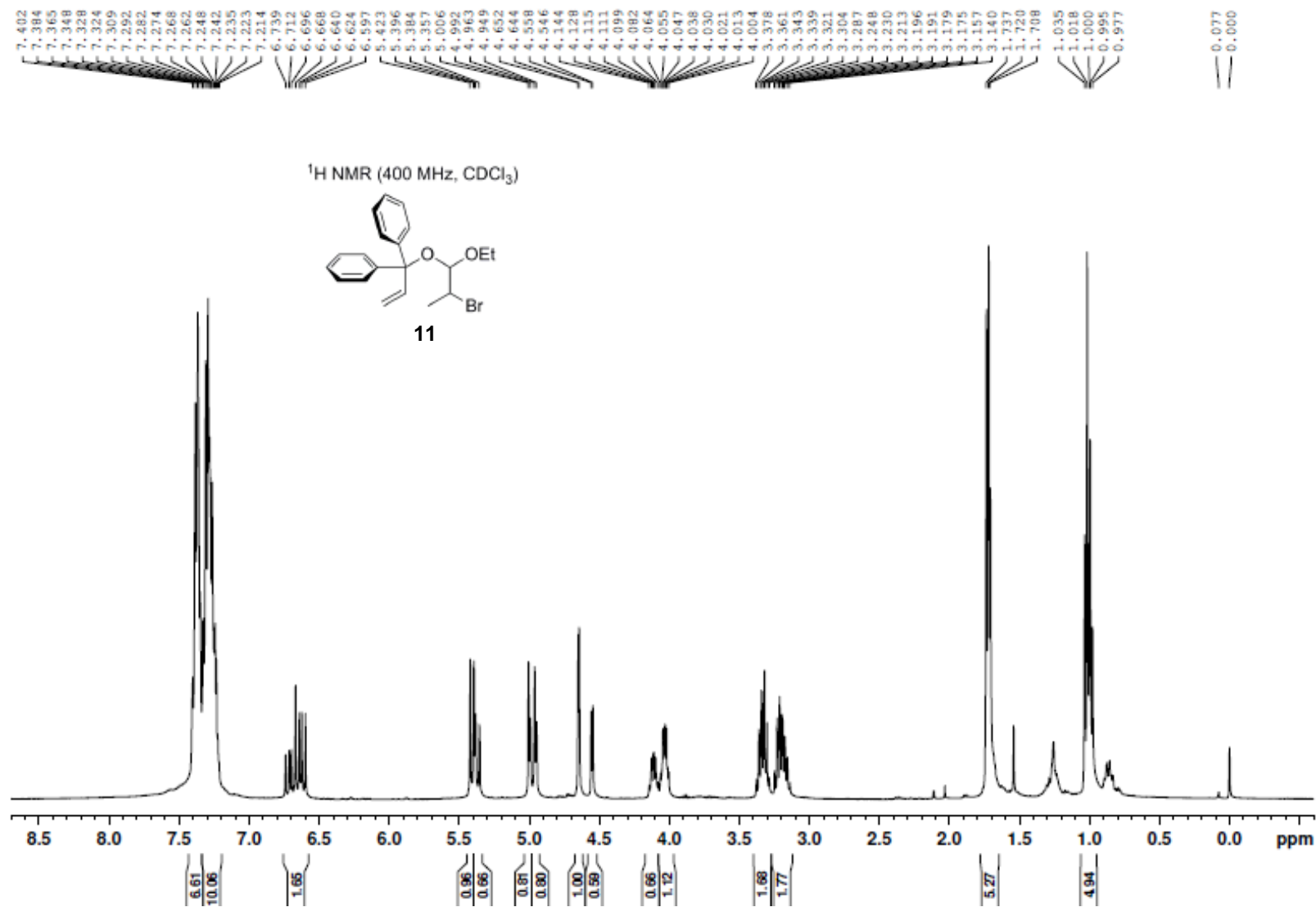


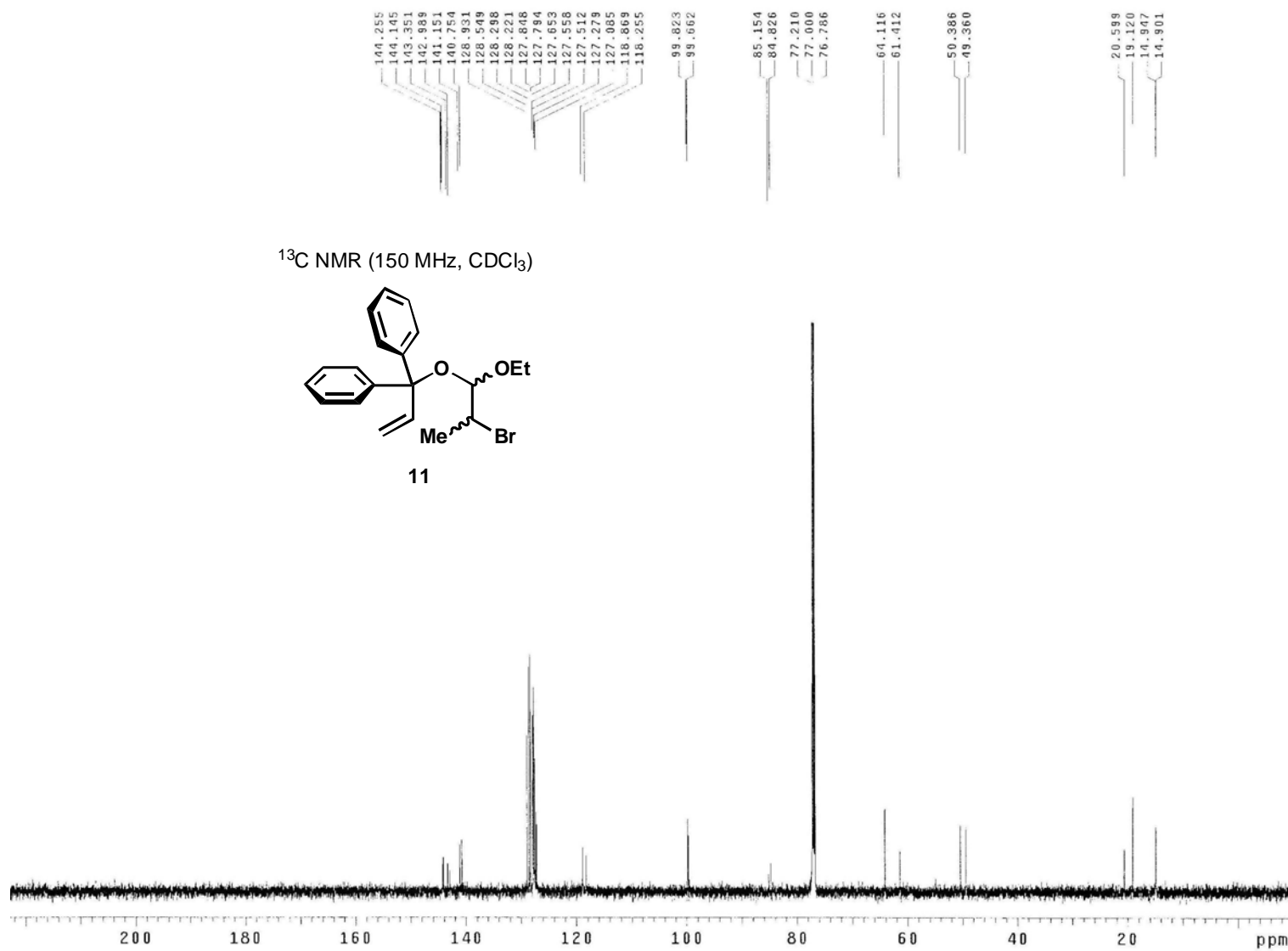








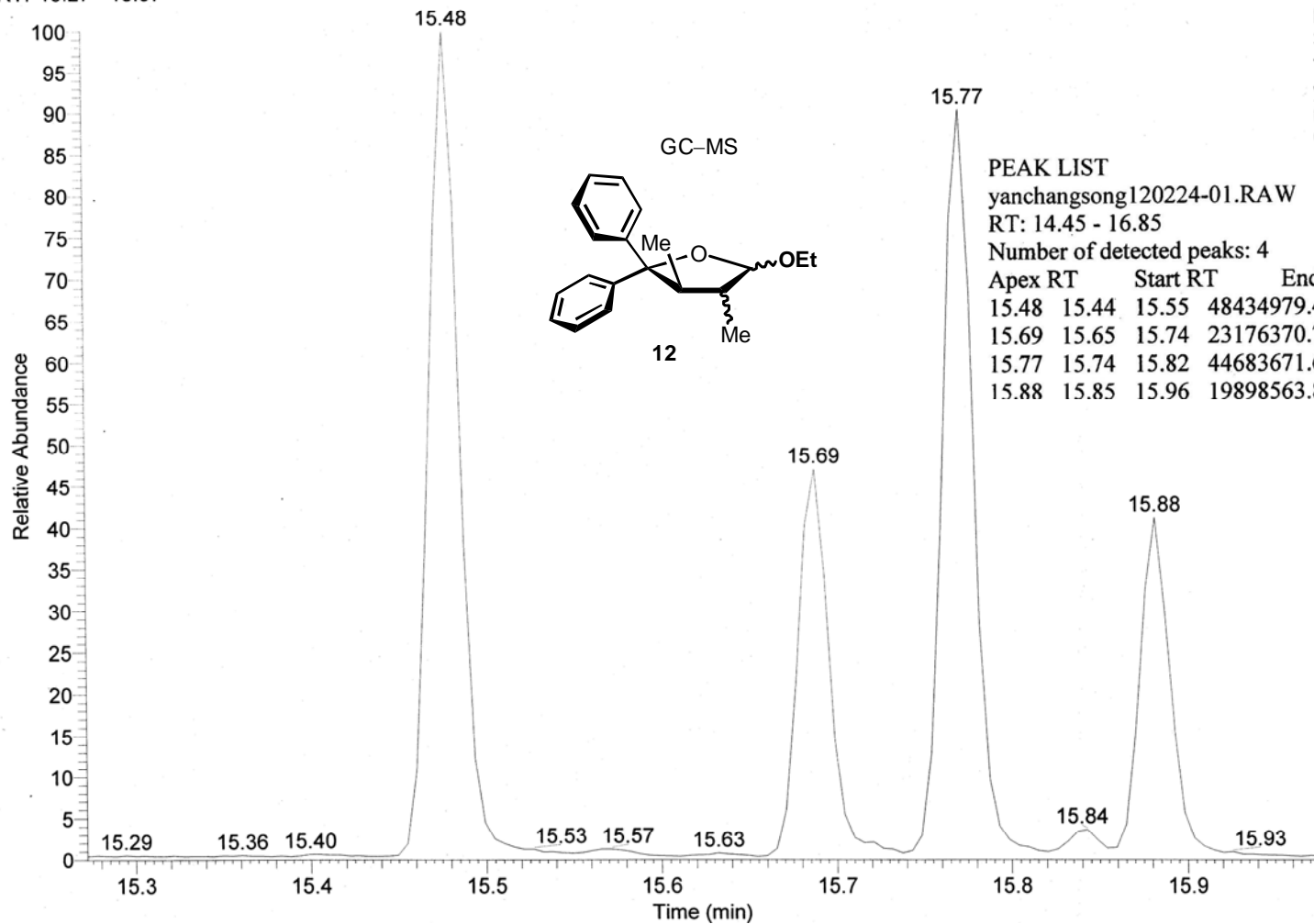




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NL:
3.99E7
TIC F: MS
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ng120224-
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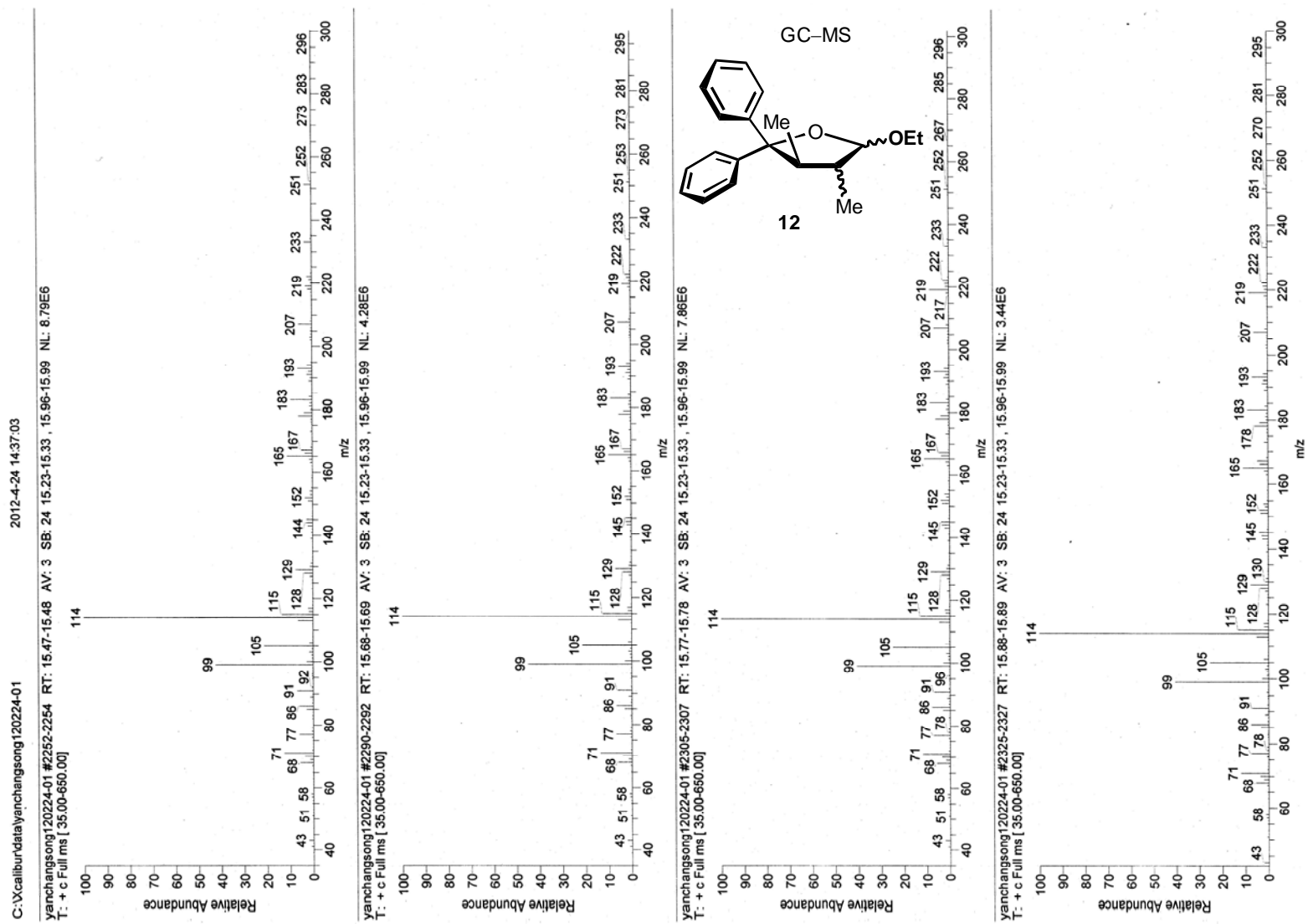
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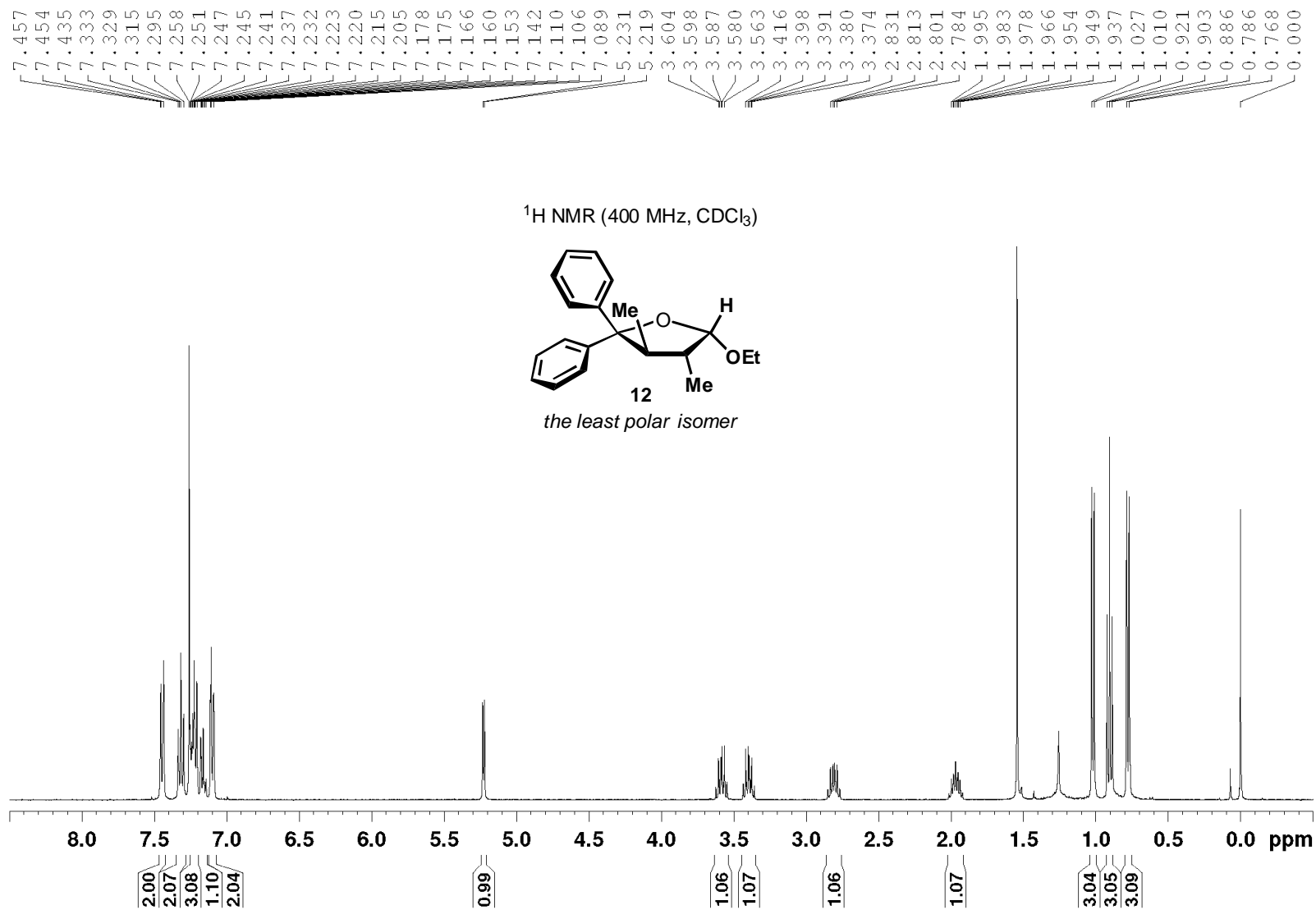
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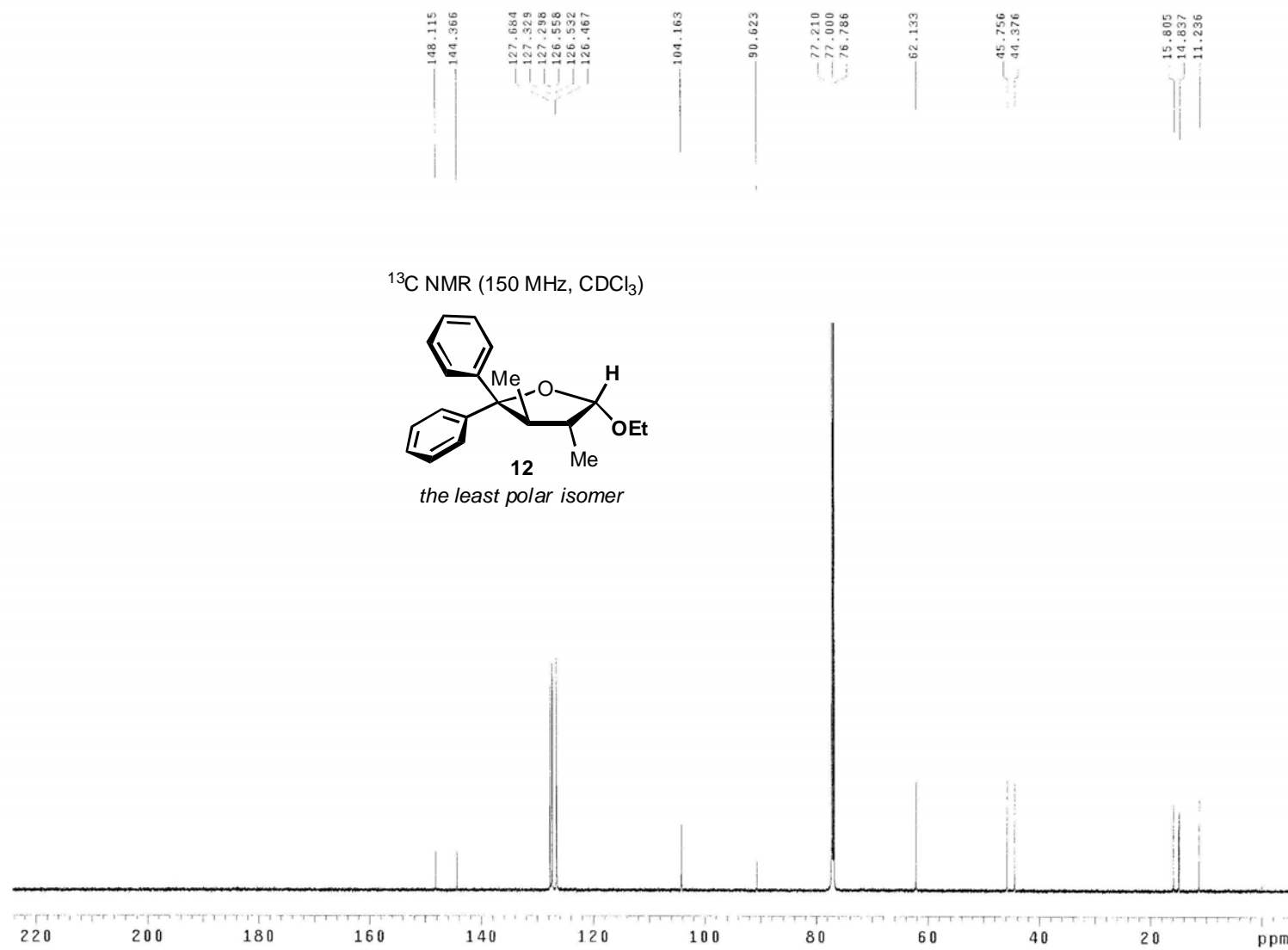
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Number of detected peaks: 4

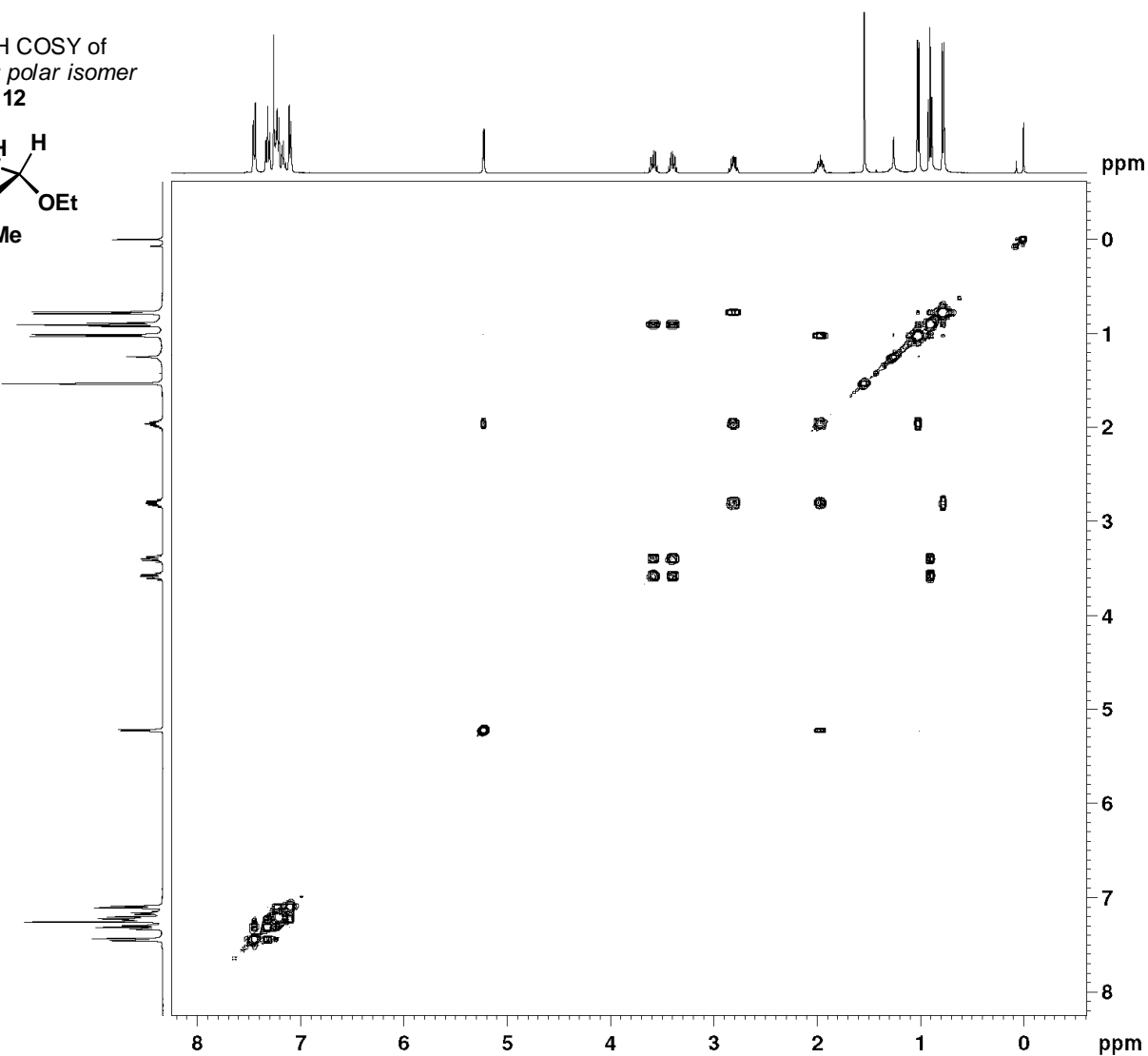
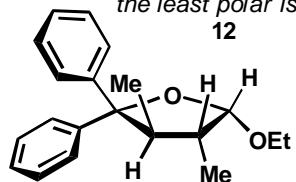
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15.77	15.74	15.82	44683671.689	32.81	35897027.073	32.48
15.88	15.85	15.96	19898563.842	14.61	16287263.916	14.74







$^1\text{H} - ^1\text{H}$ COSY of
 the least polar isomer
 12

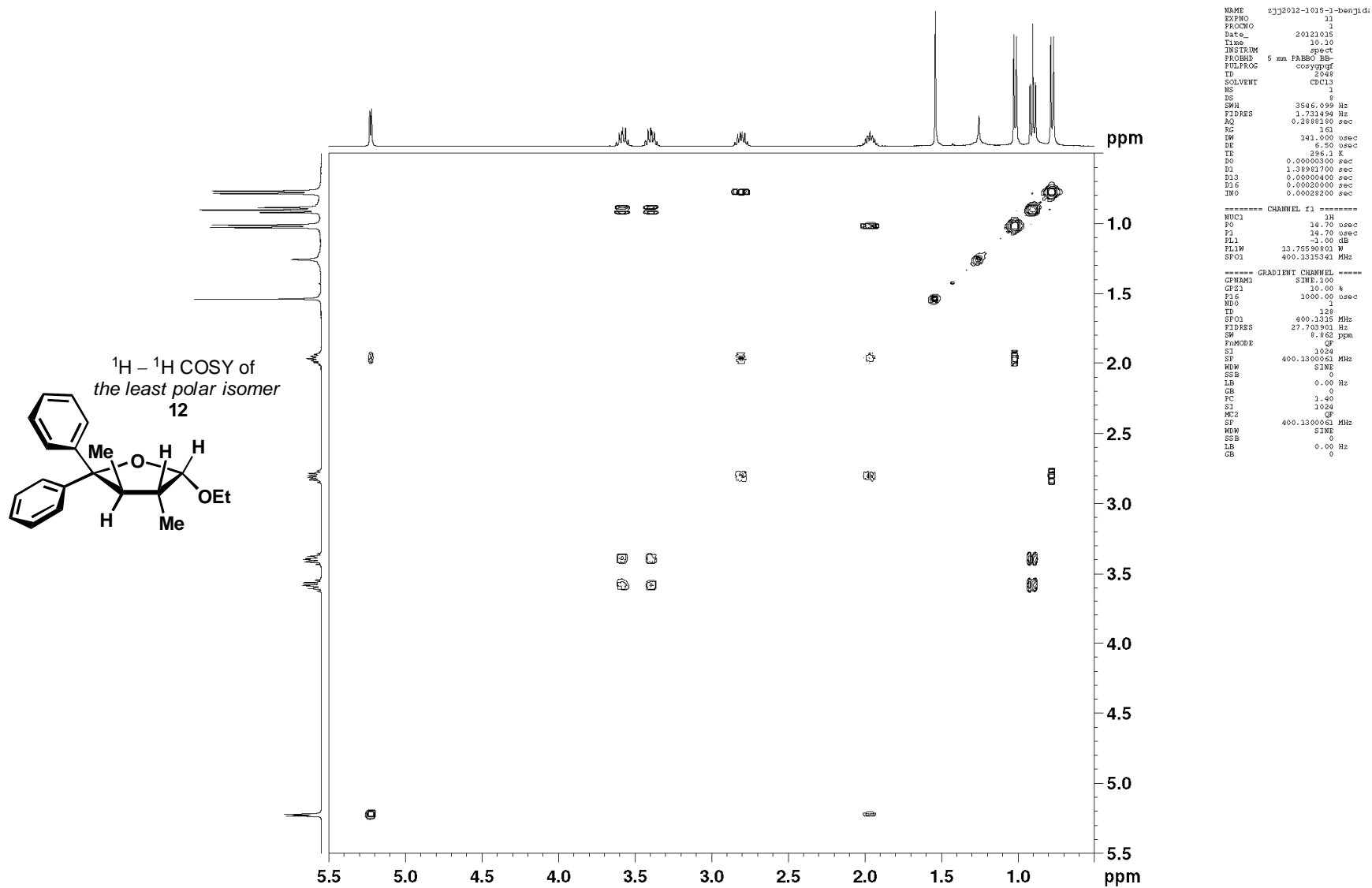


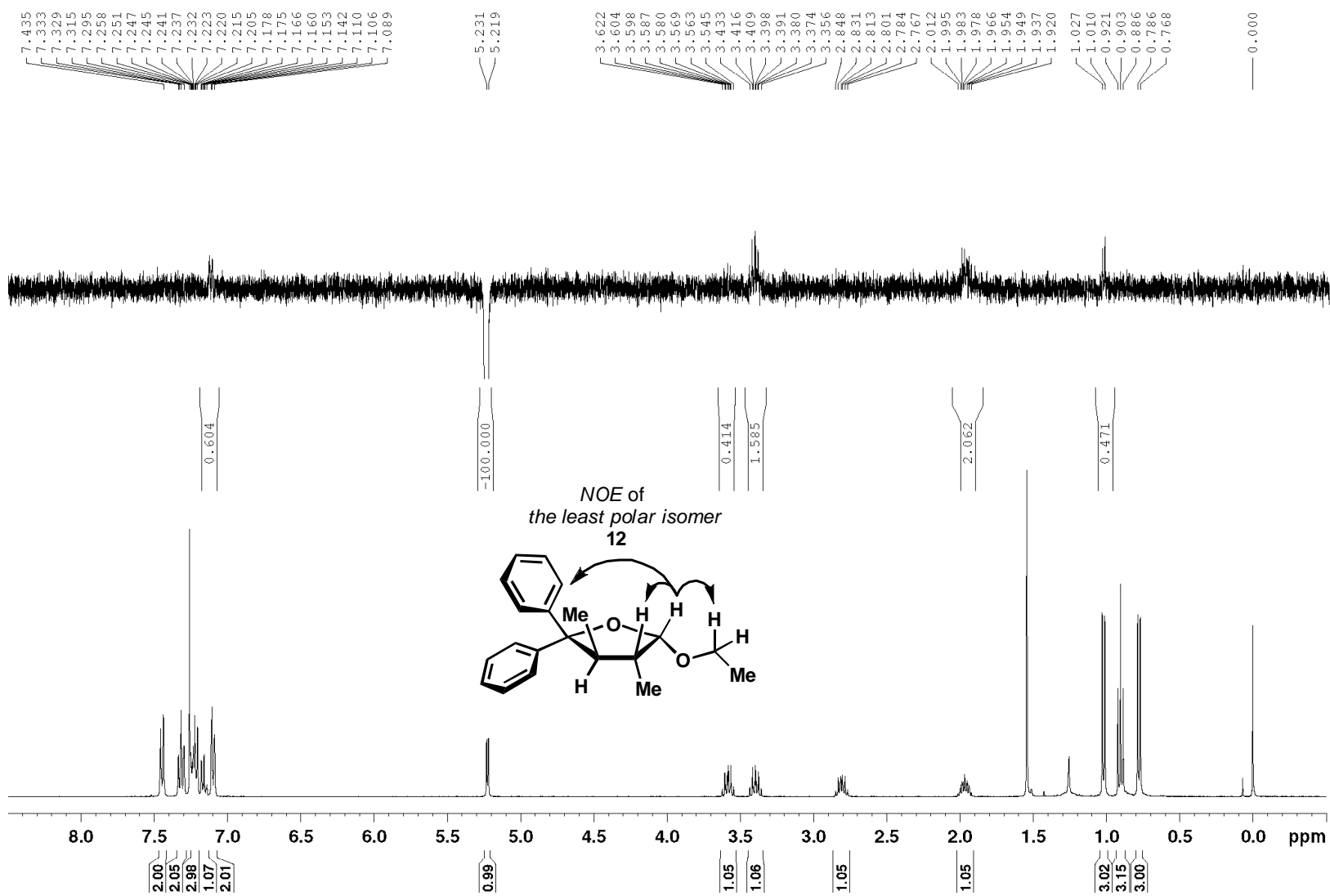
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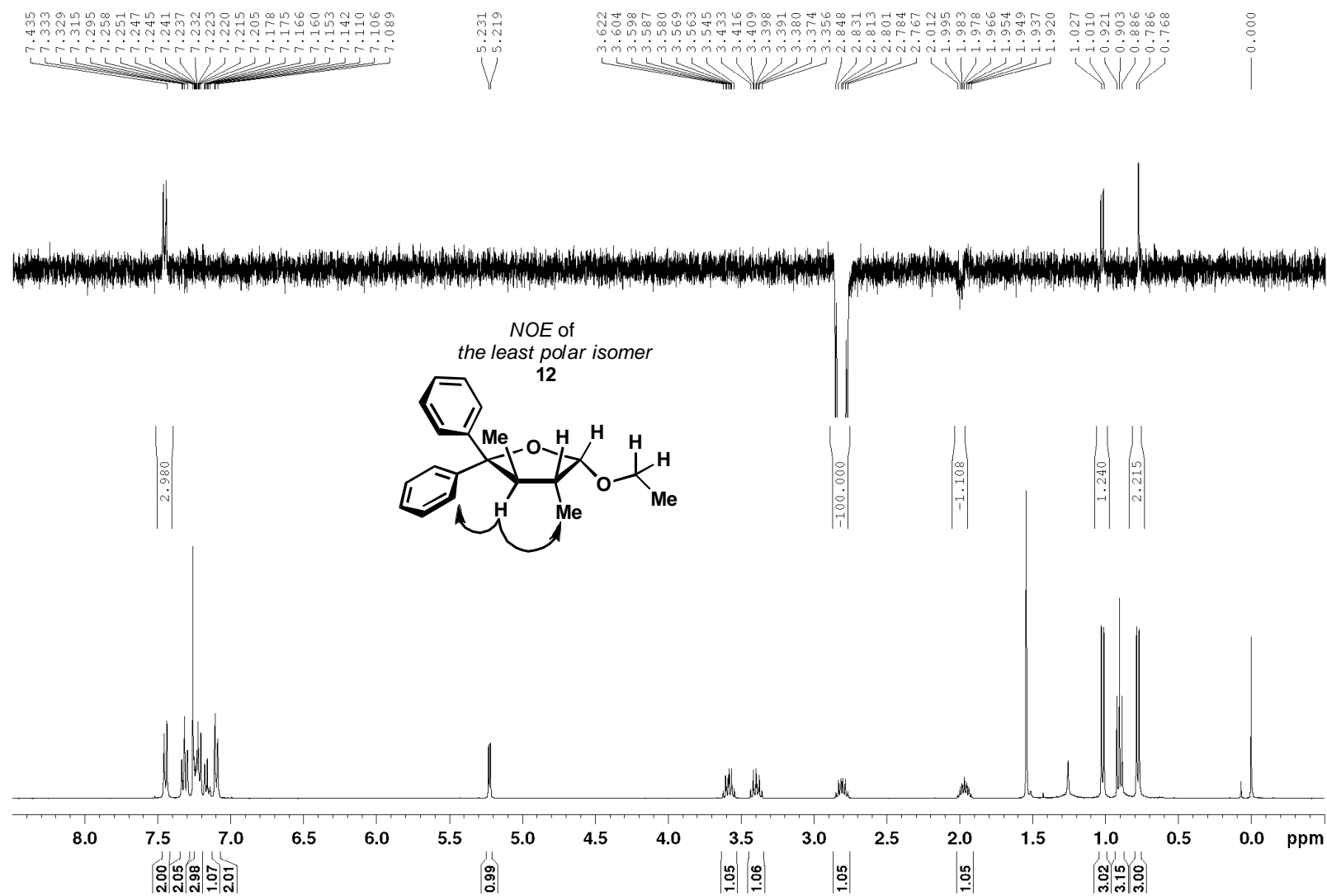
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PULPROG  cosyprgf
TD       32768
SOLVENT  CDCl3
NS       1
DS       0
SWH      3546.099 Hz
FIDRES   1.731494 Hz
AQ       0.2988180 sec
RG       162
DN       141.000 usec
DE       6.50 usec
TE       296.2 K
D0       0.0000300 sec
D1       1.38981700 sec
D13      0.00000400 sec
D16      0.00020000 sec
IM0      0.0002600 sec

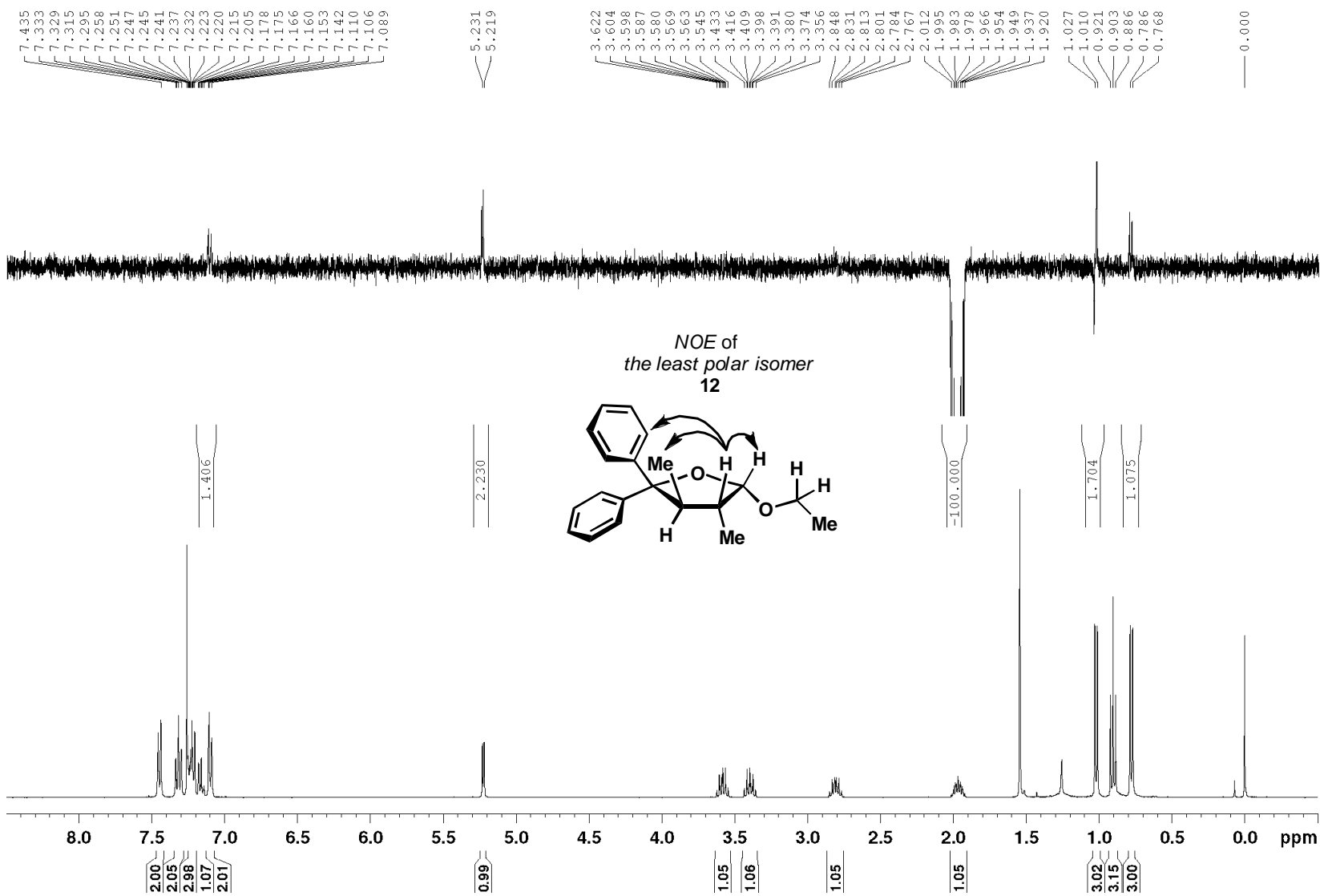
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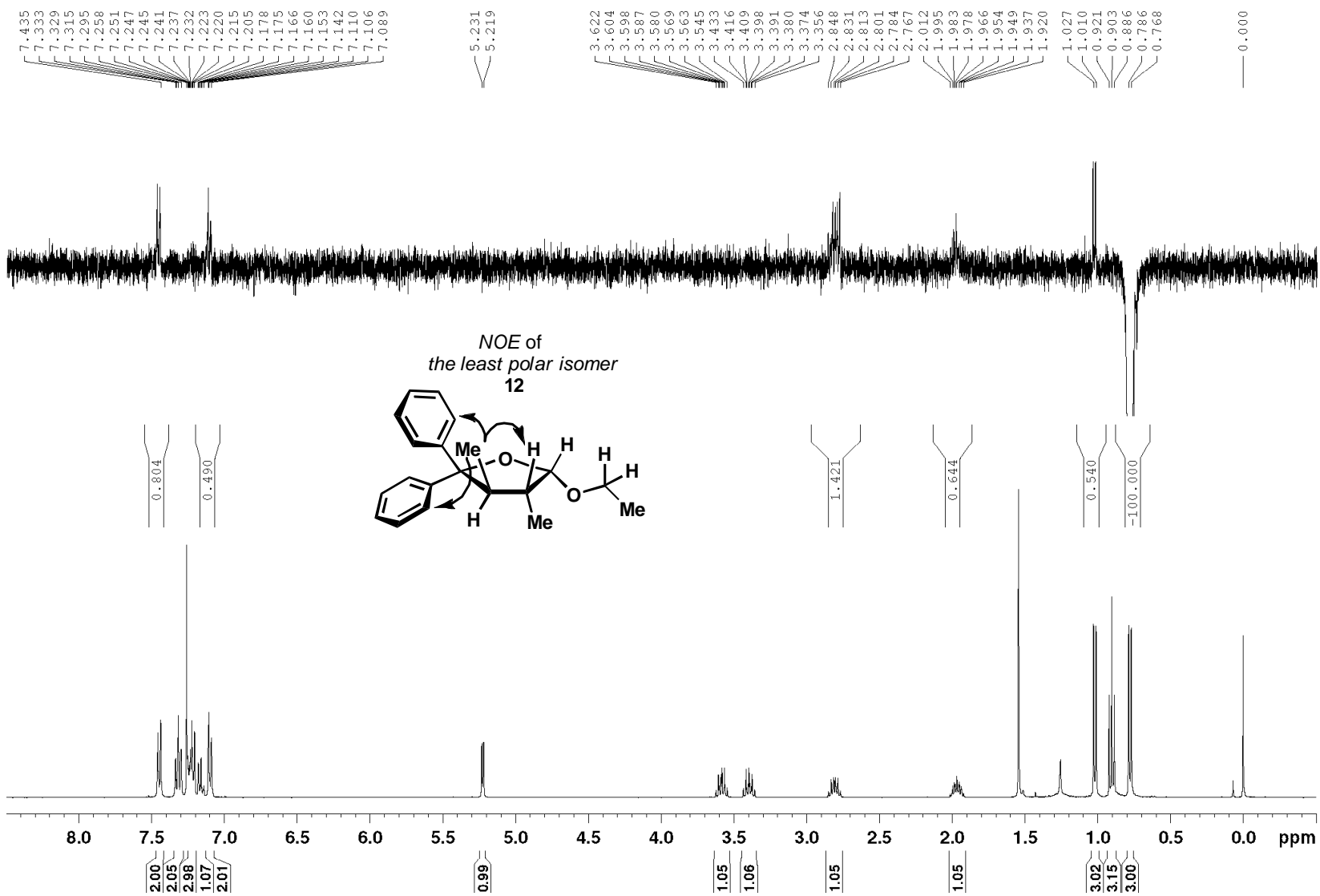
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SW       8.862 ppm
PUMODE   QF
SI       1024
SF       400.1300063 MHz
WDW      SINE
SFB      0
LB       0.00 Hz
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PC       1.40
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MC2
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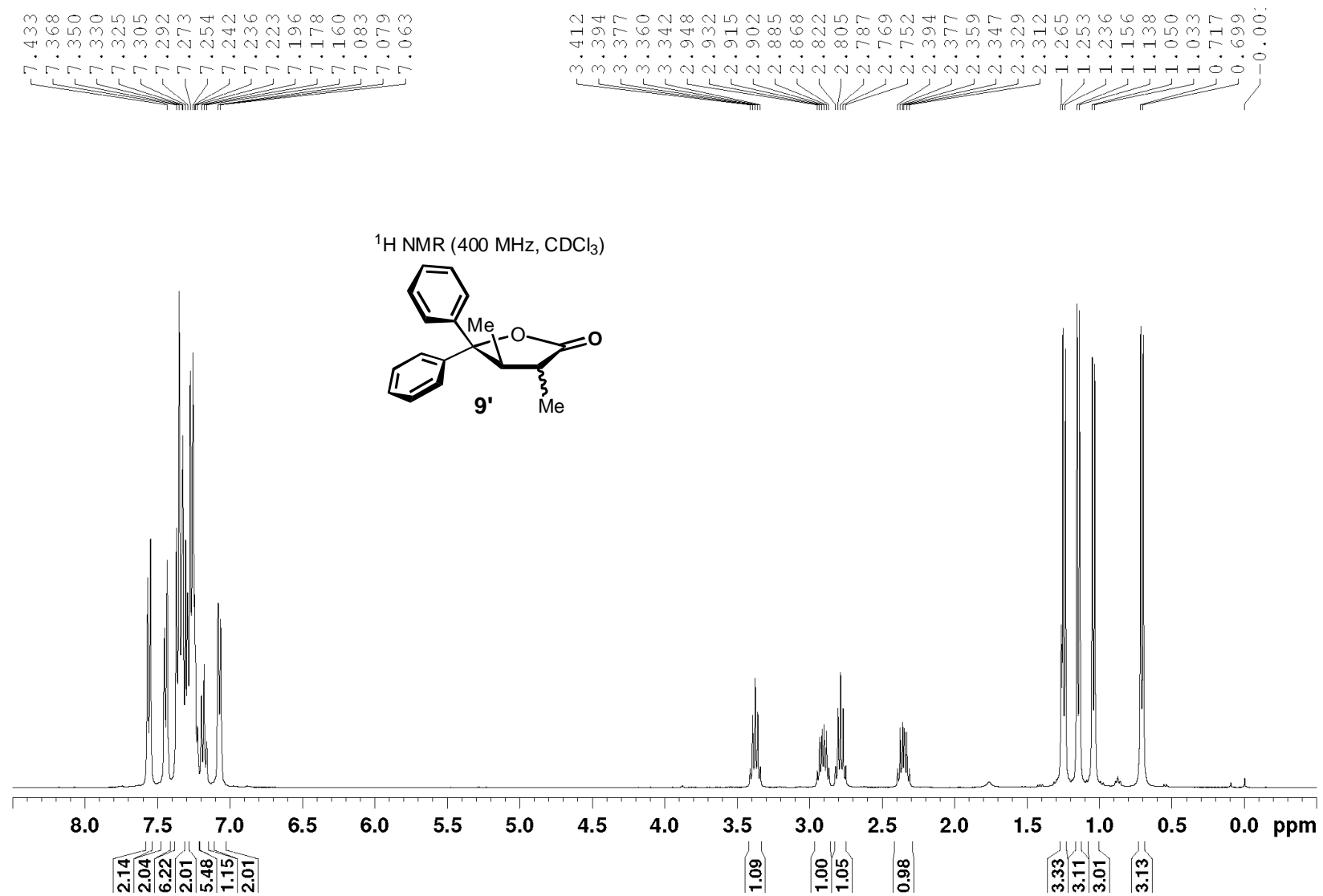


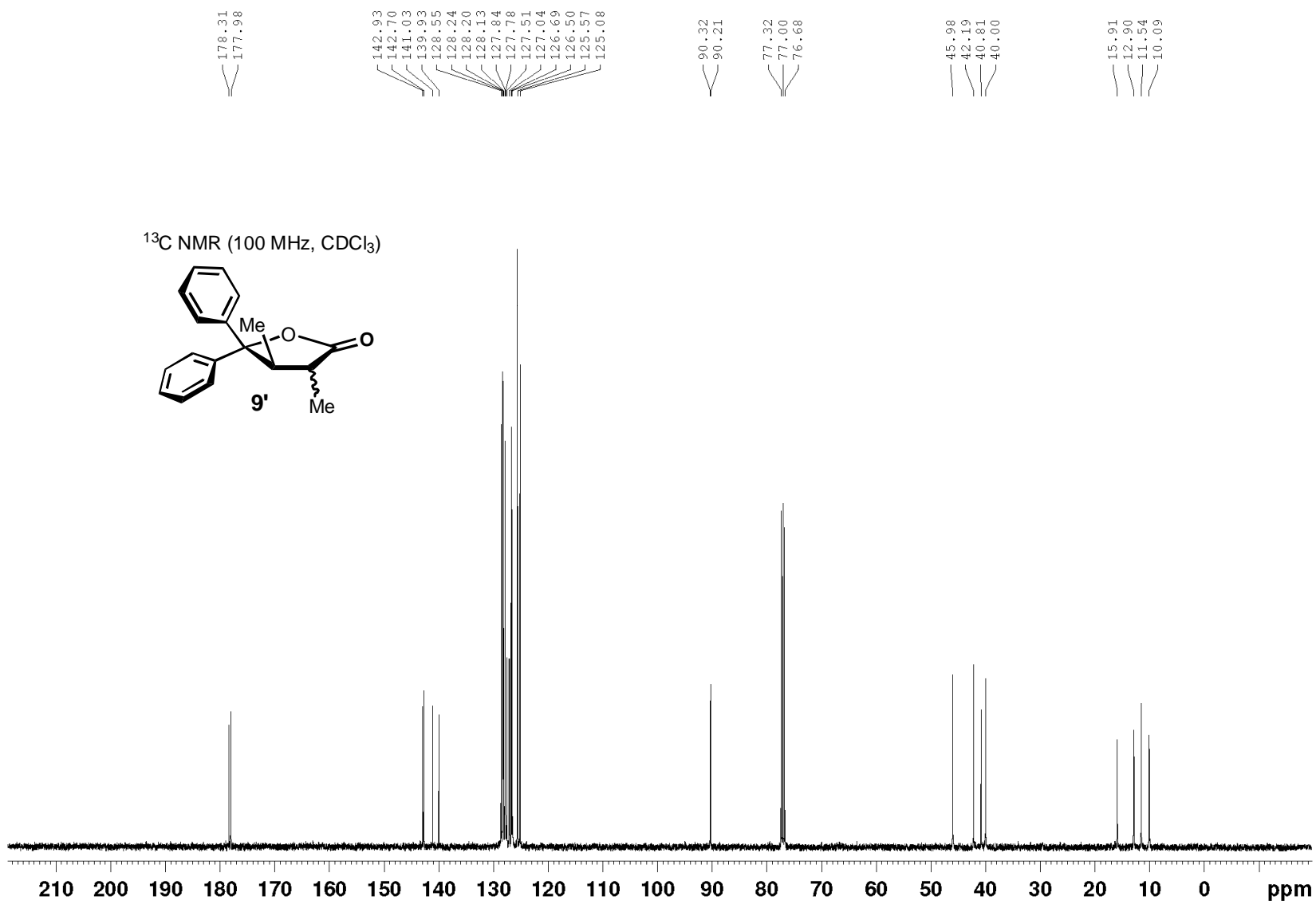


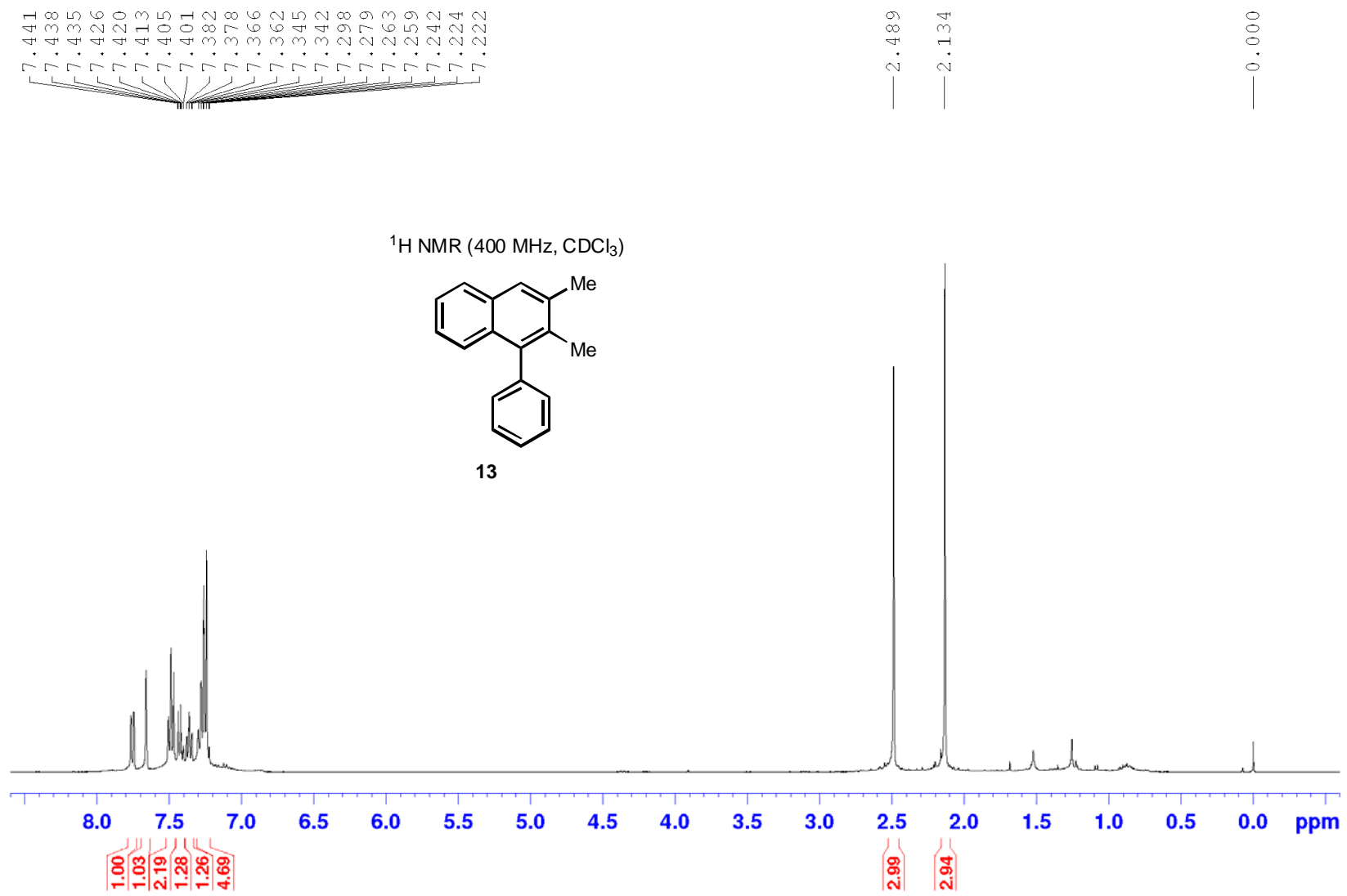


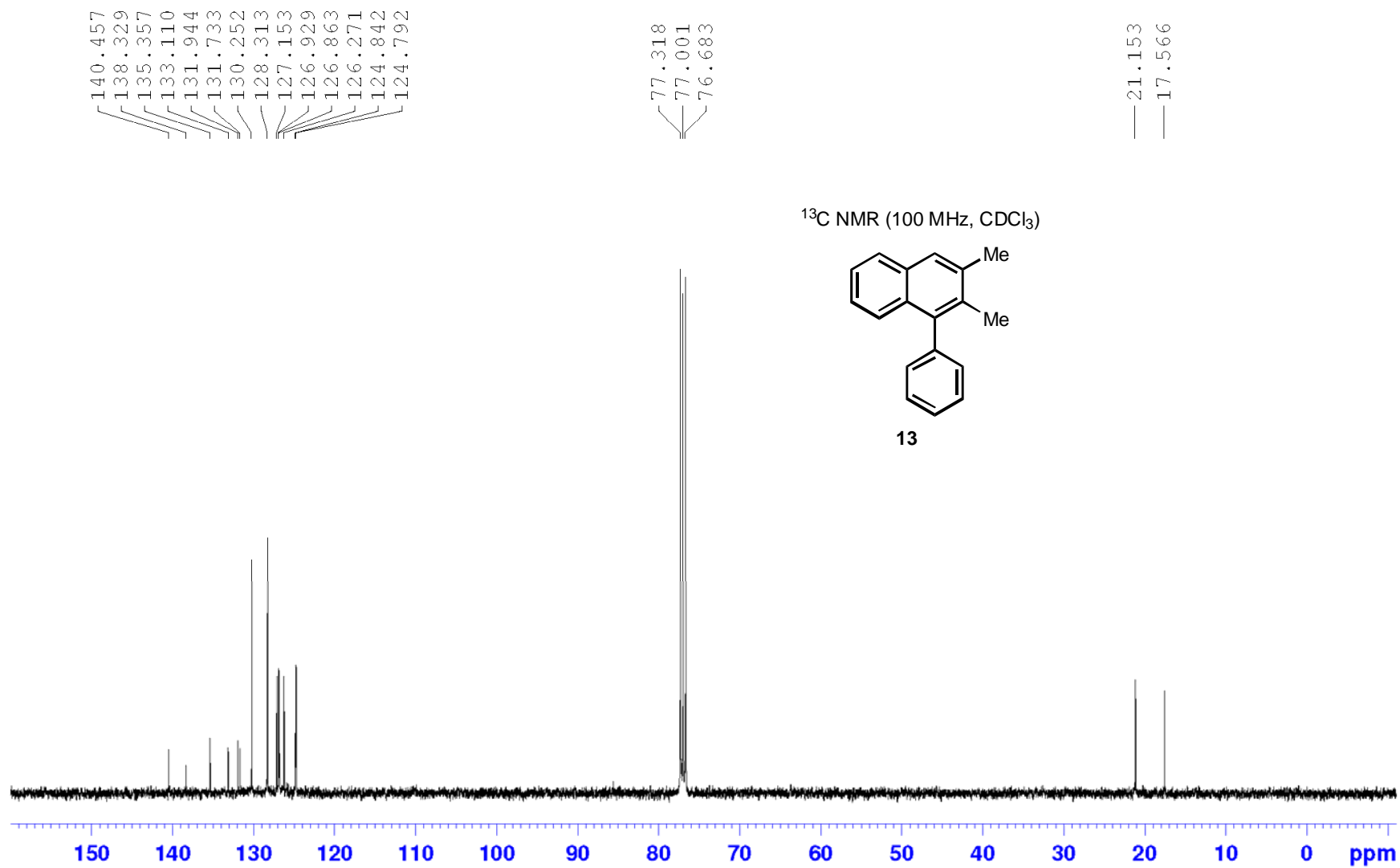


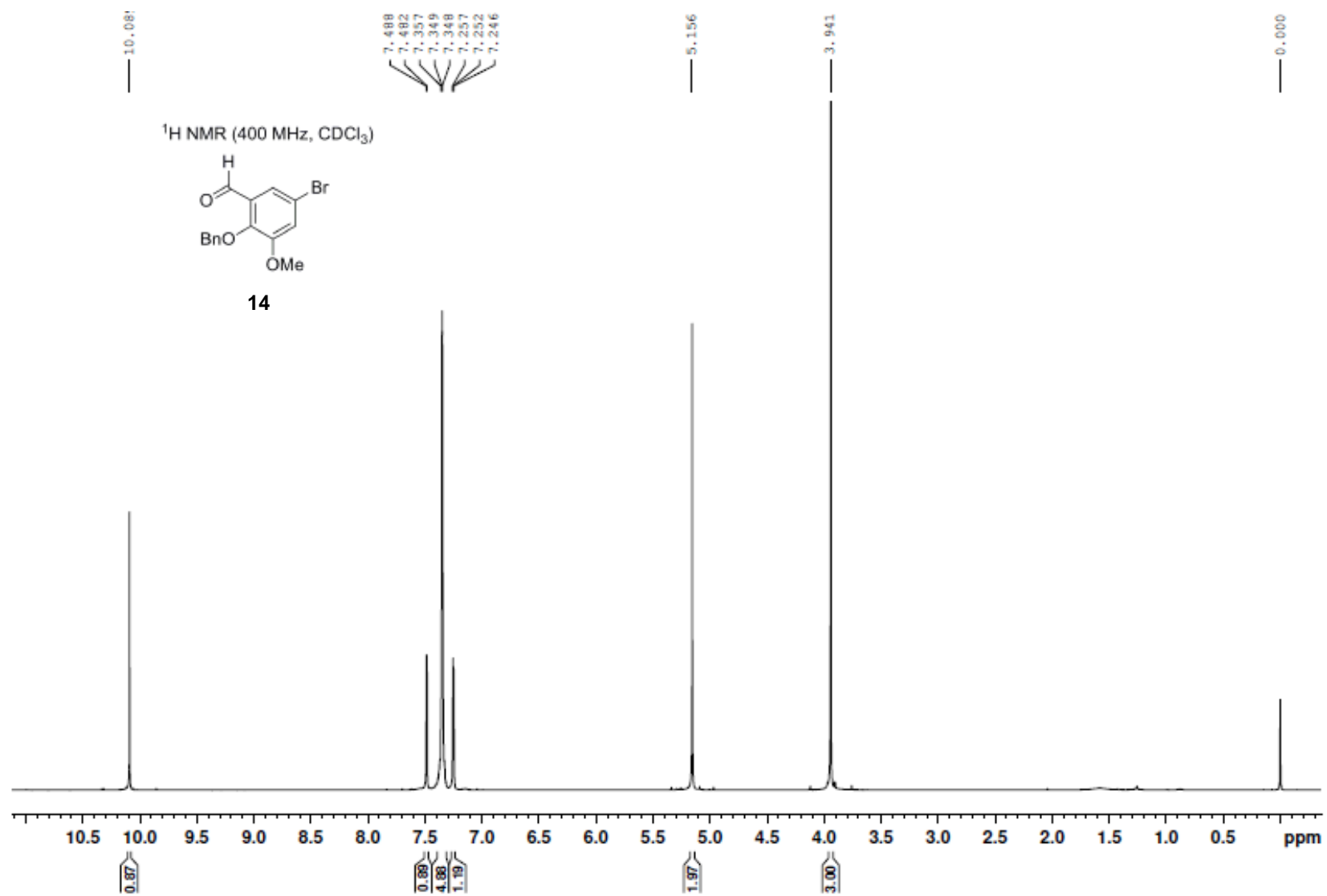


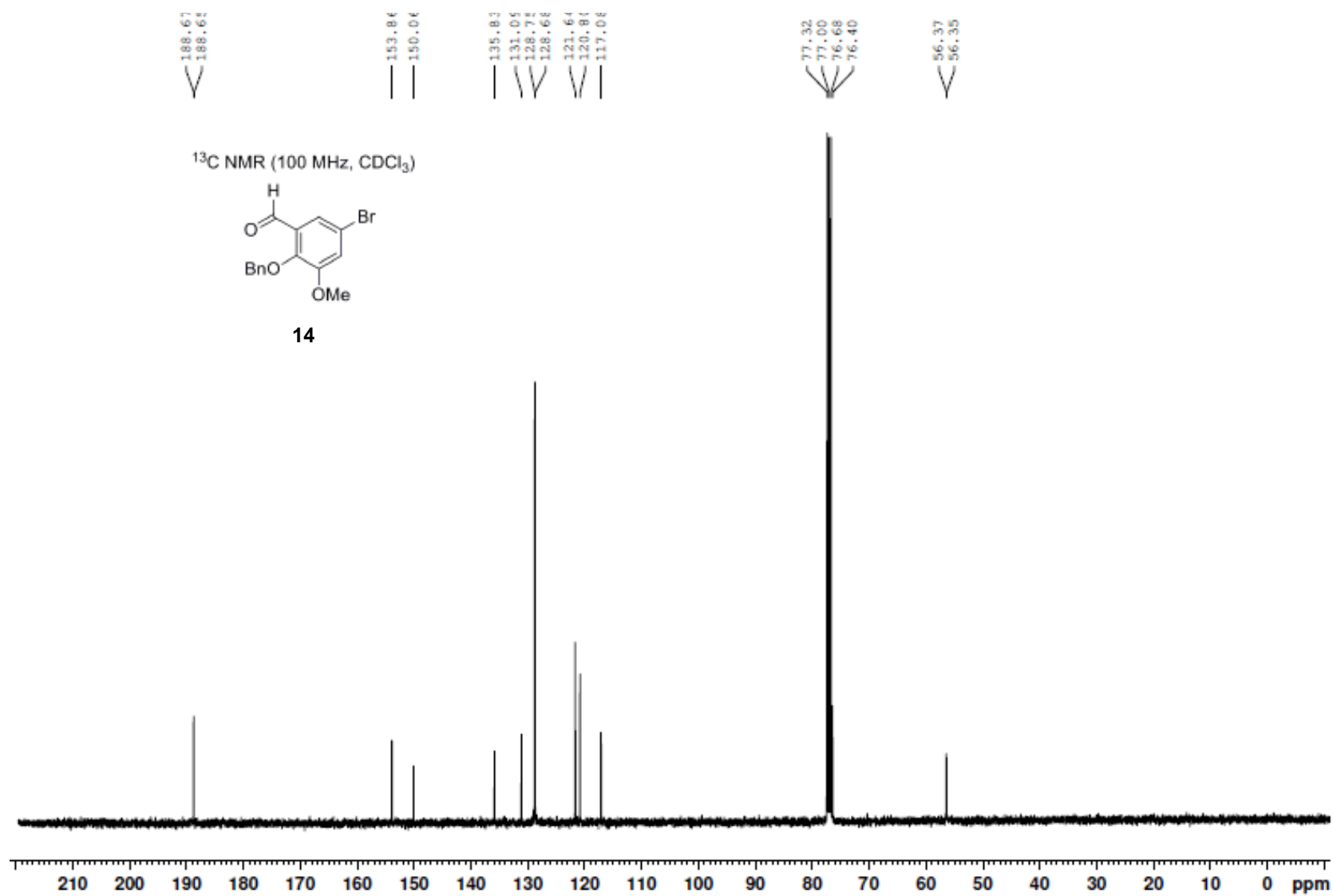


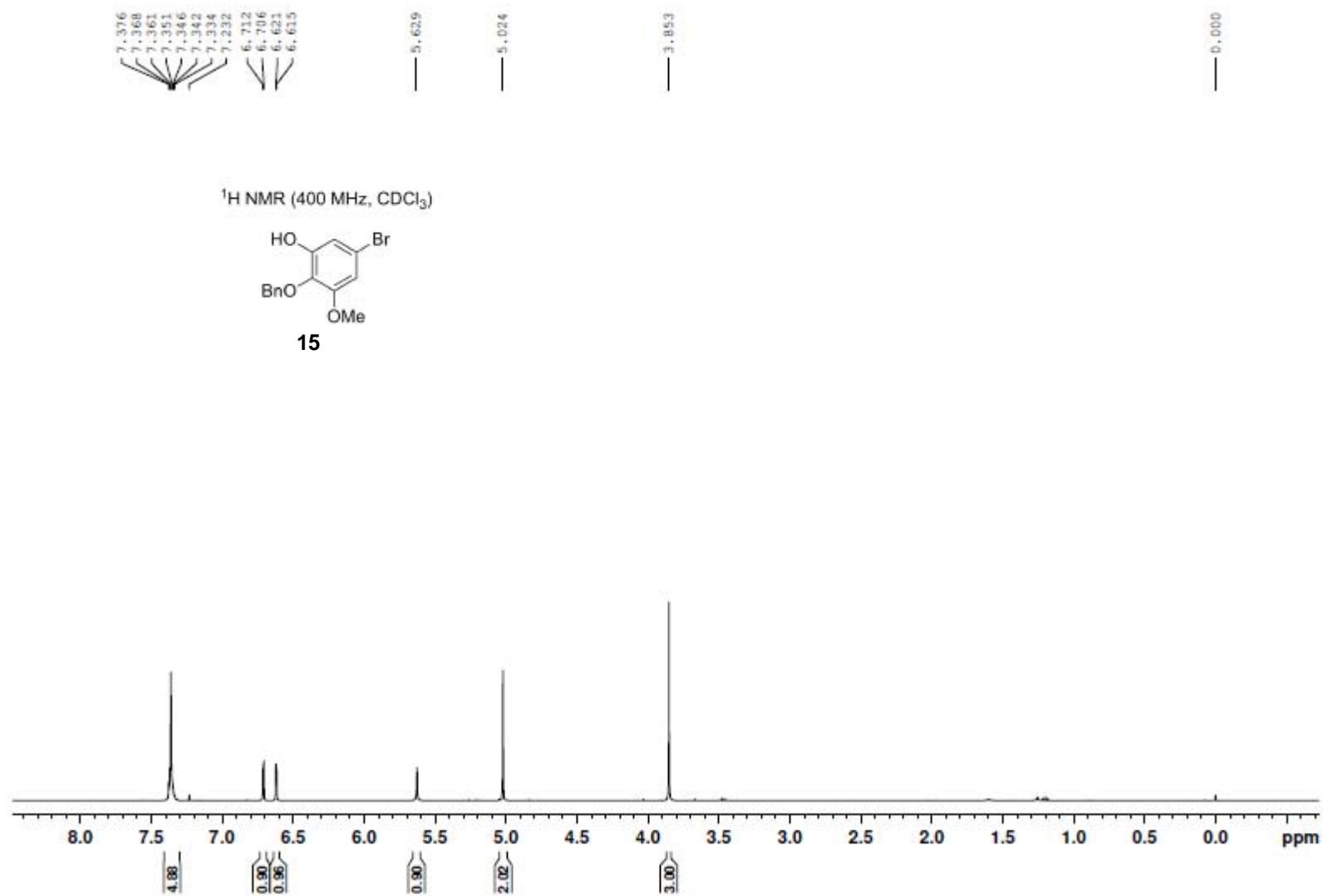


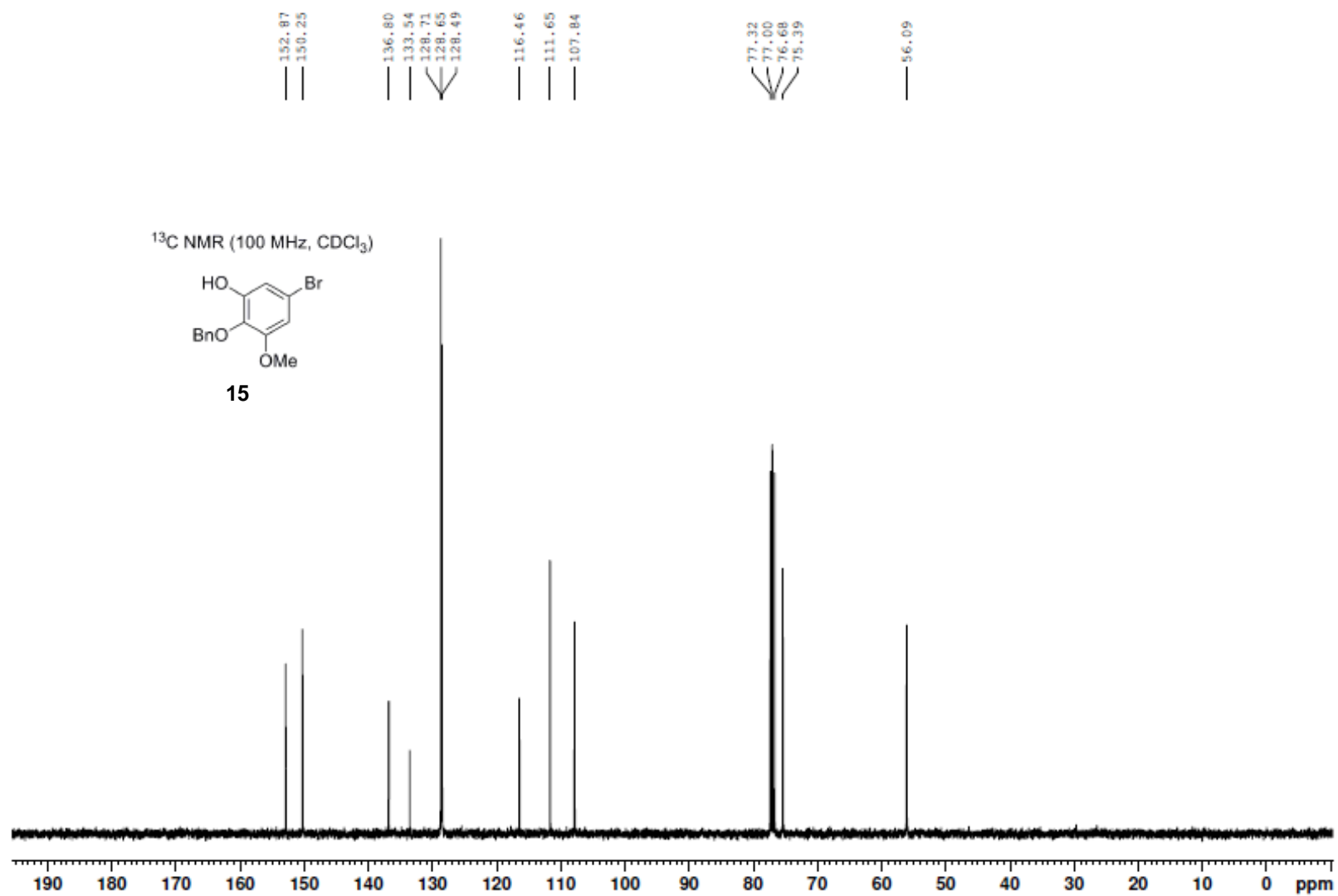


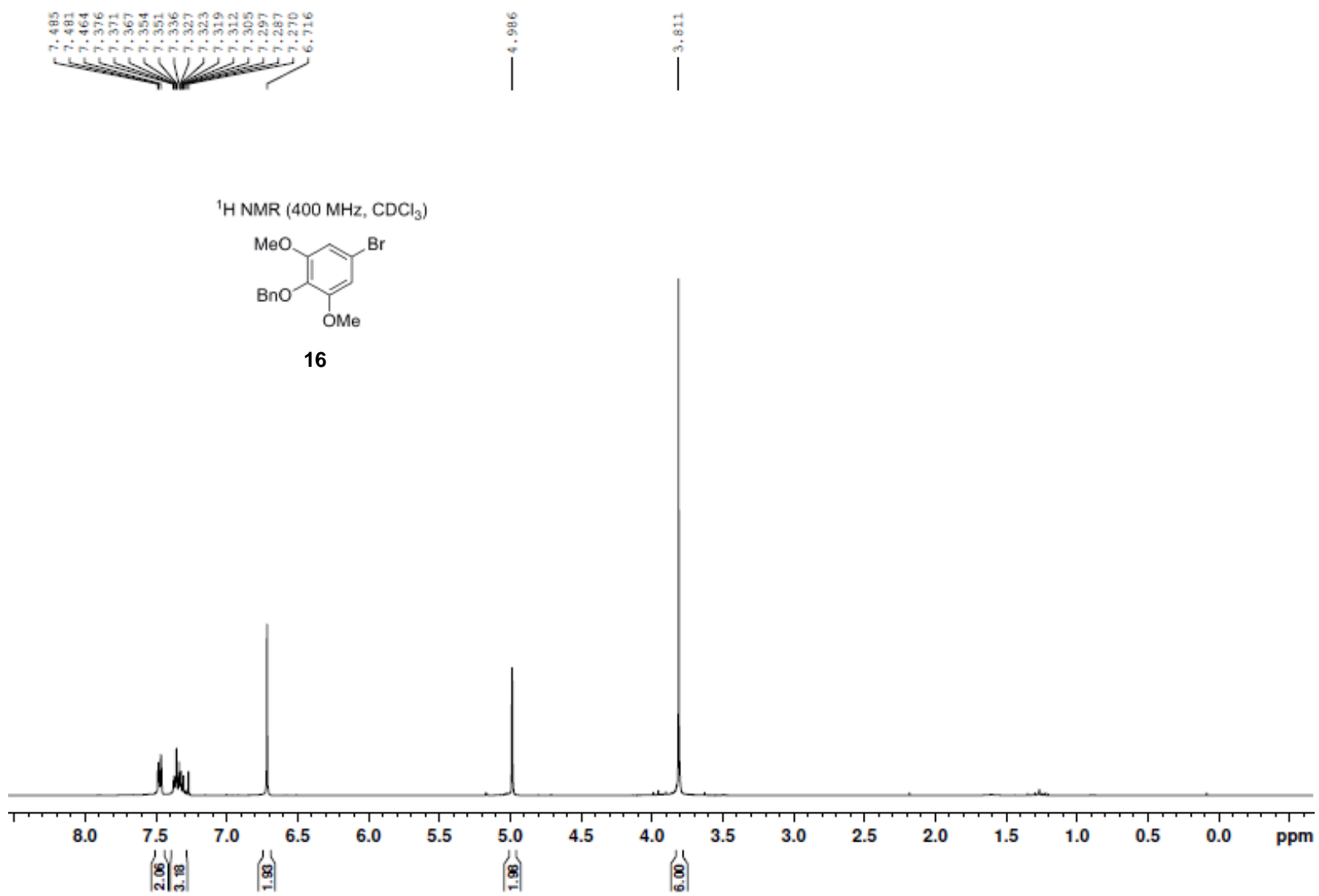


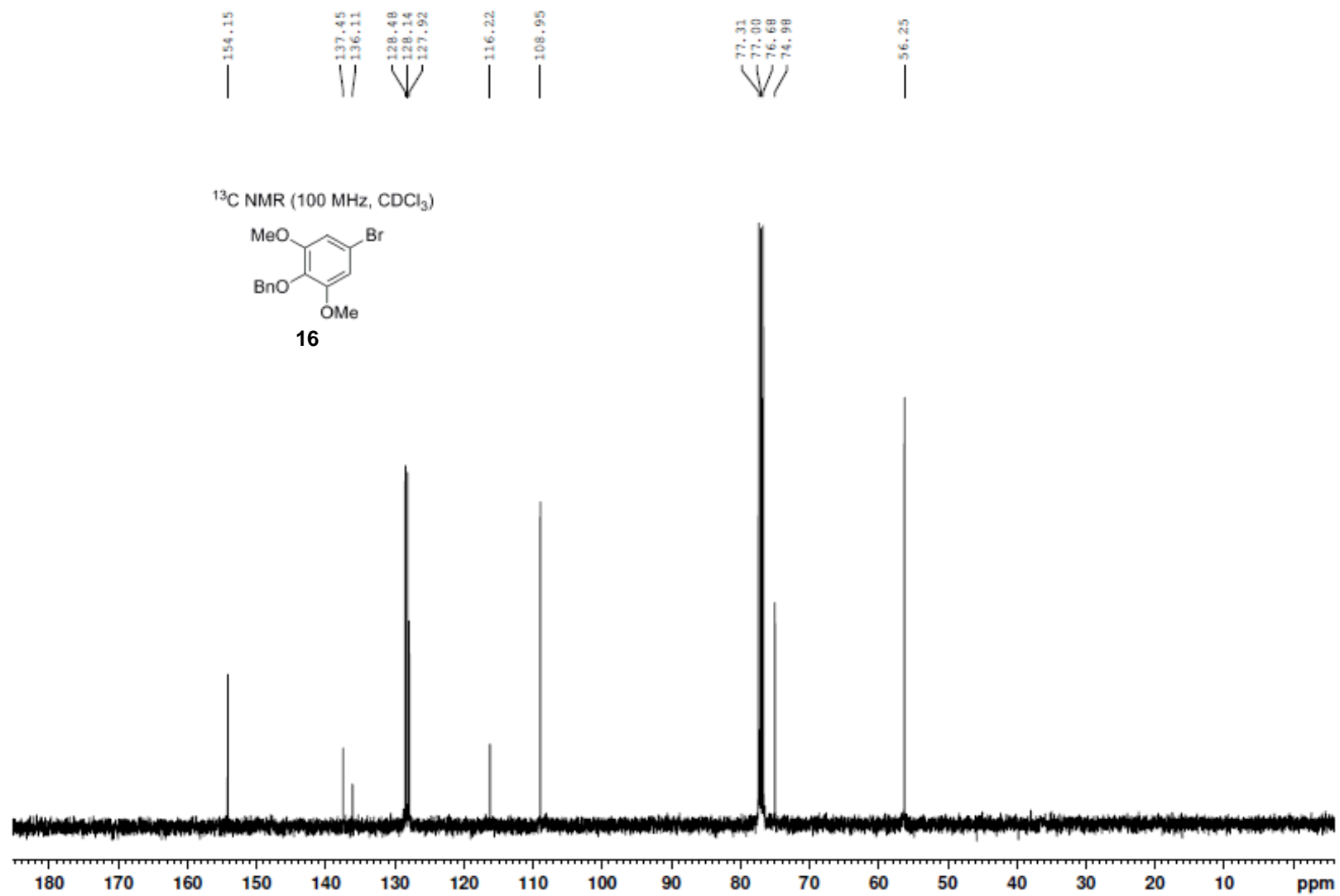


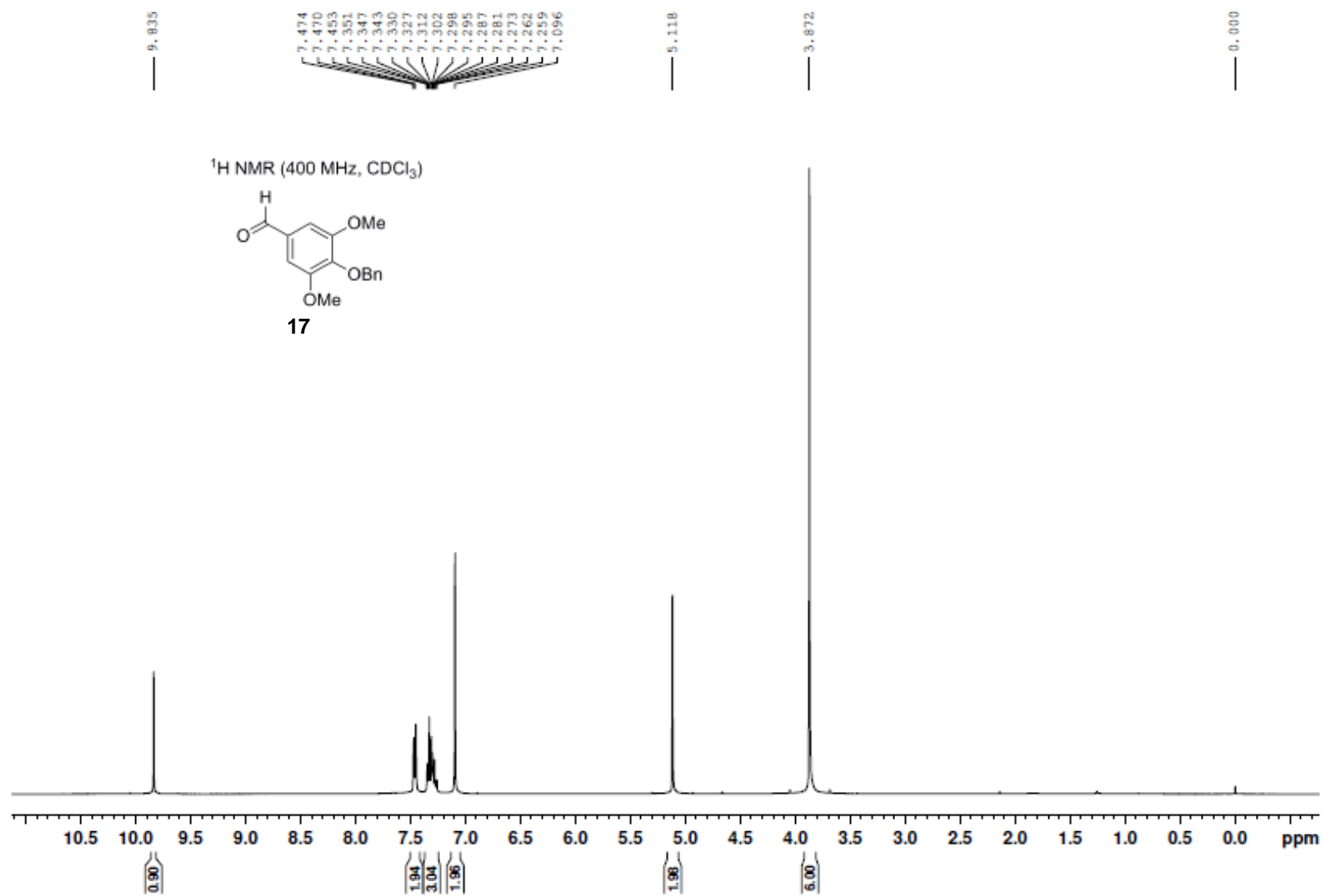


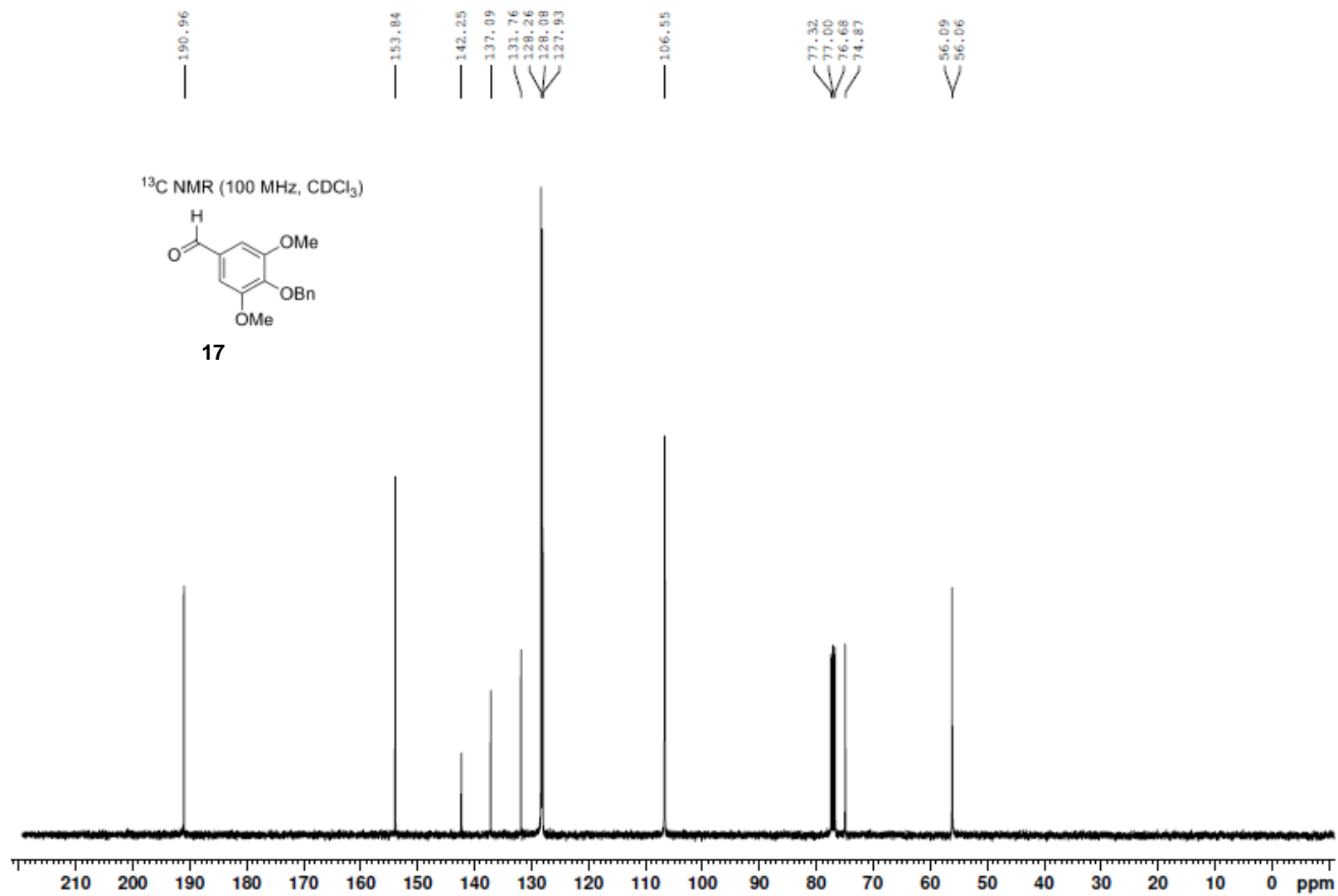


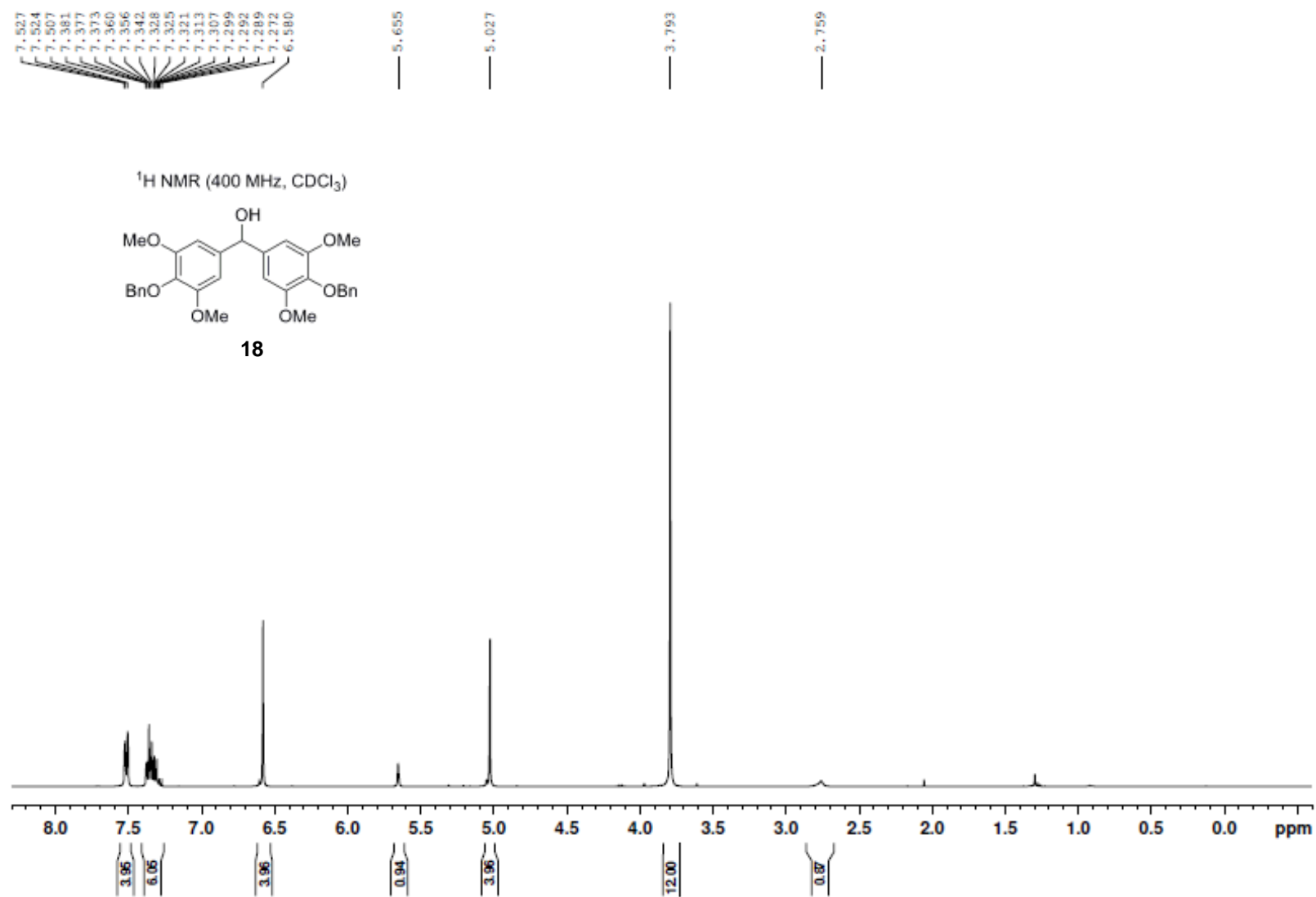


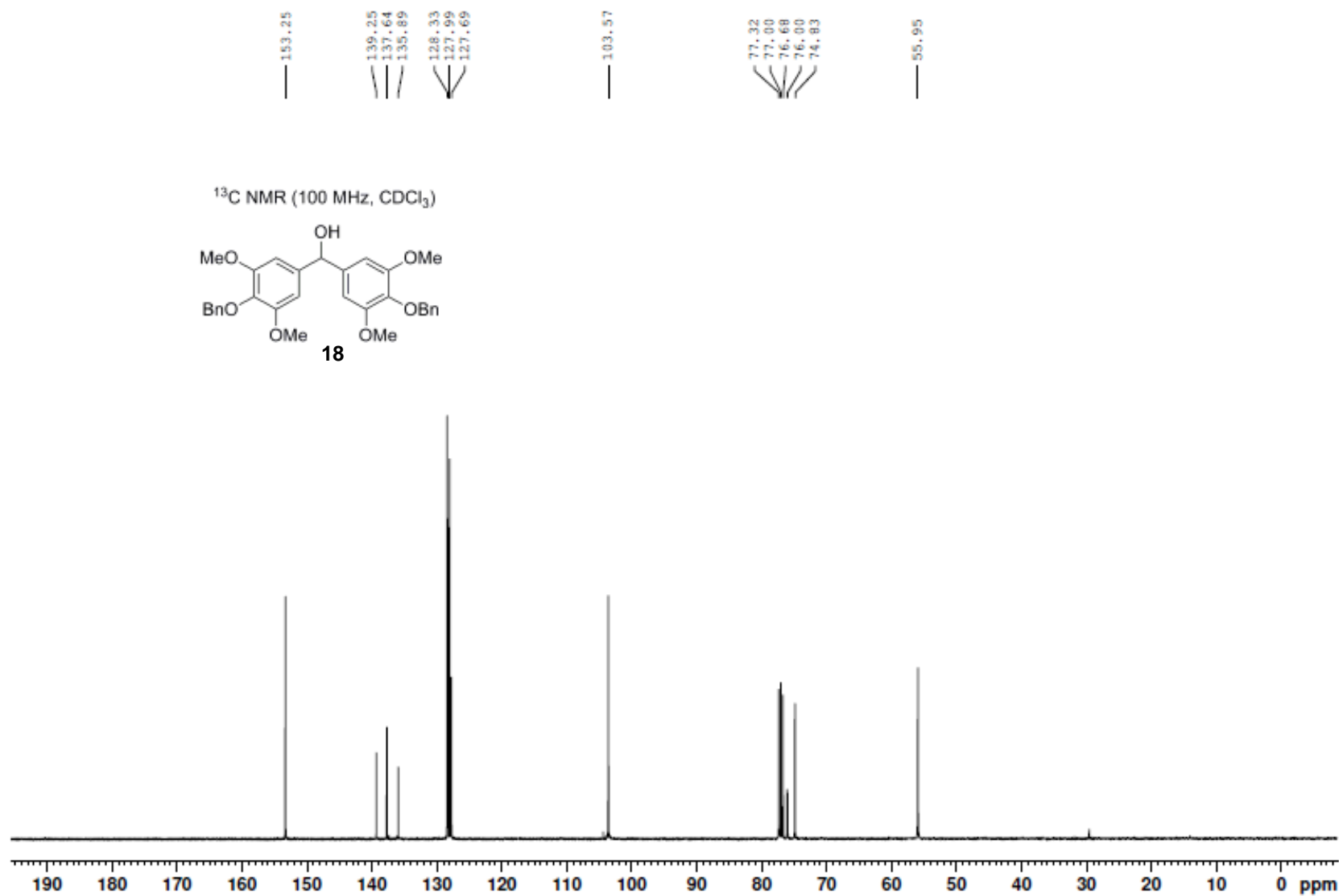


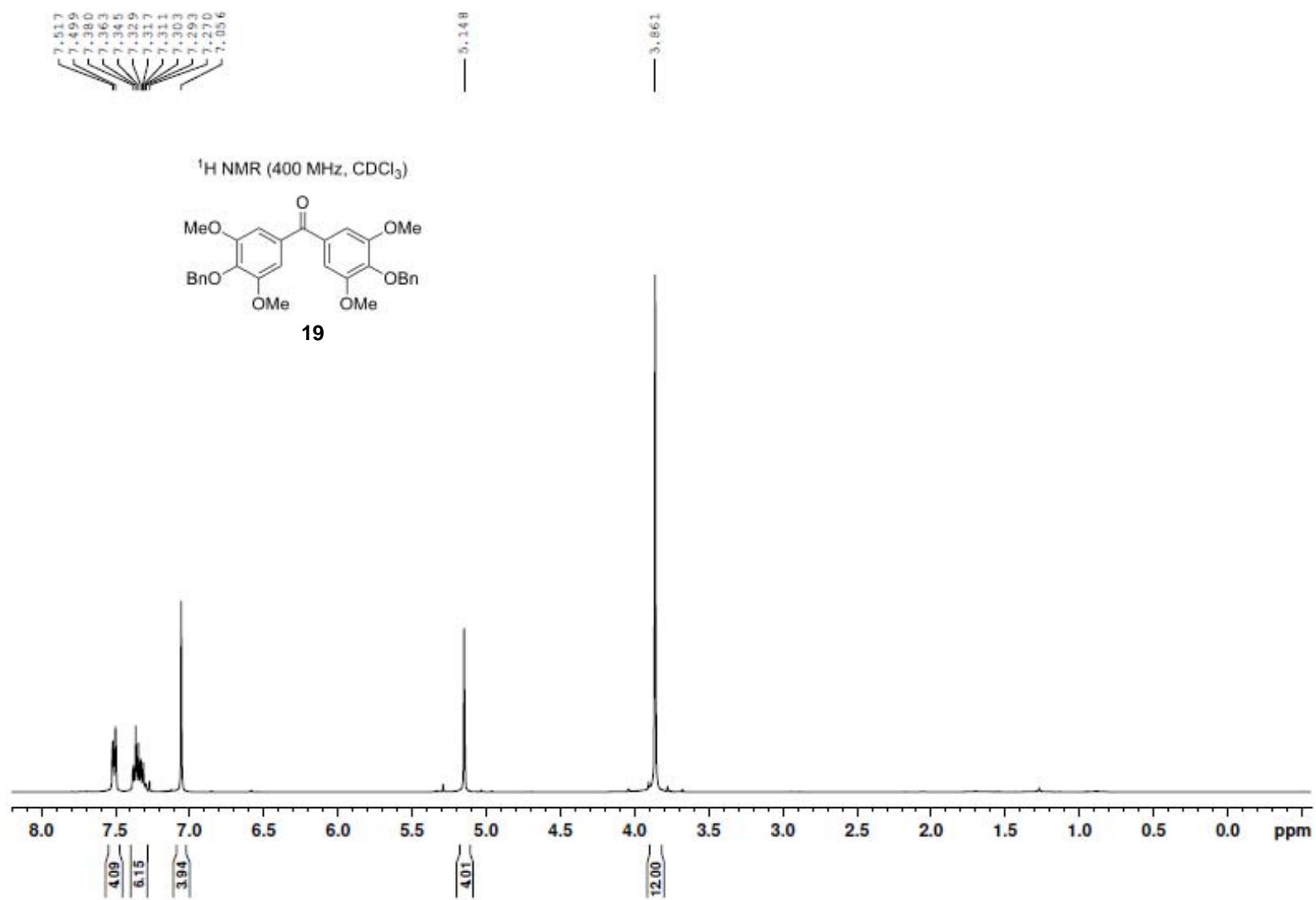


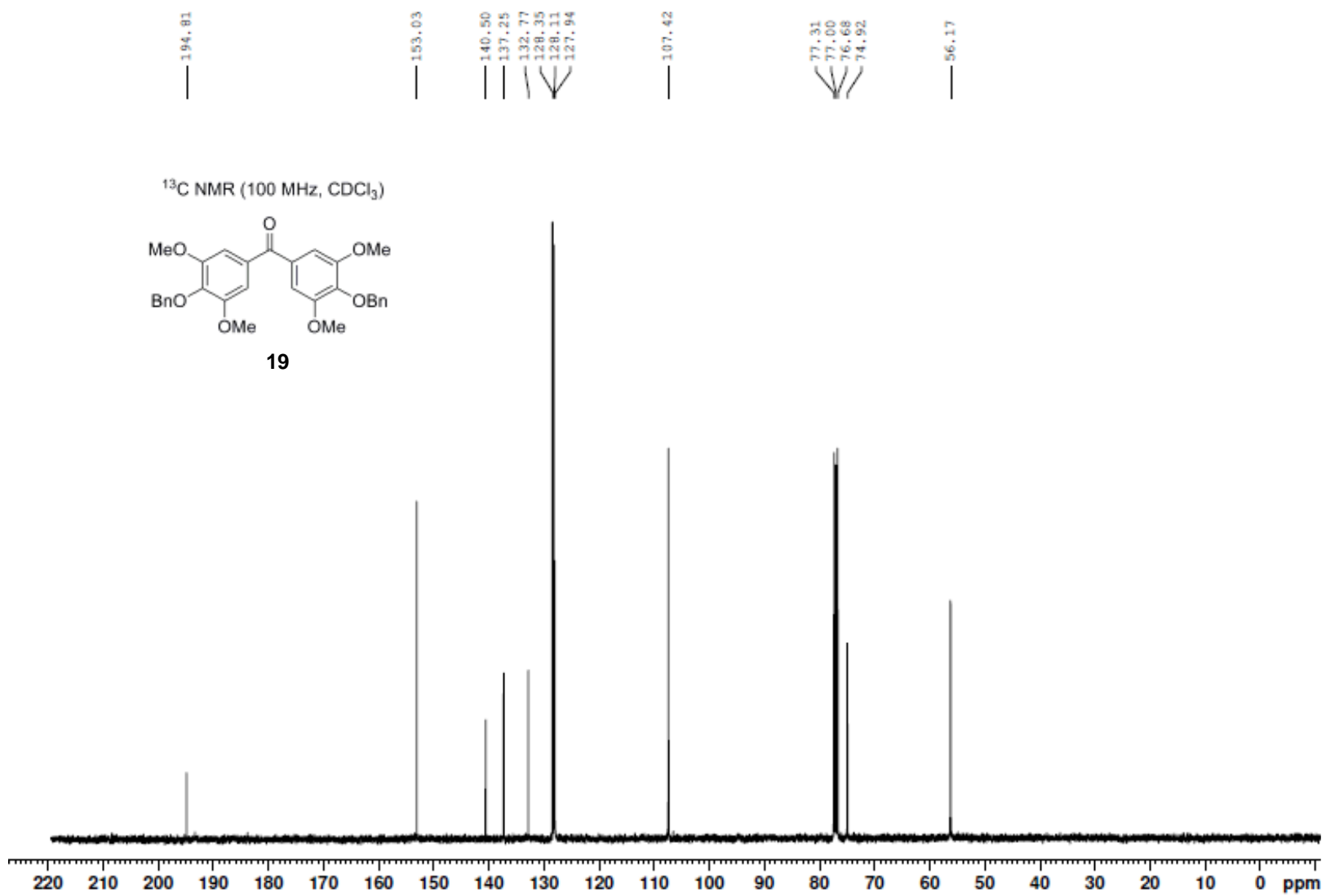


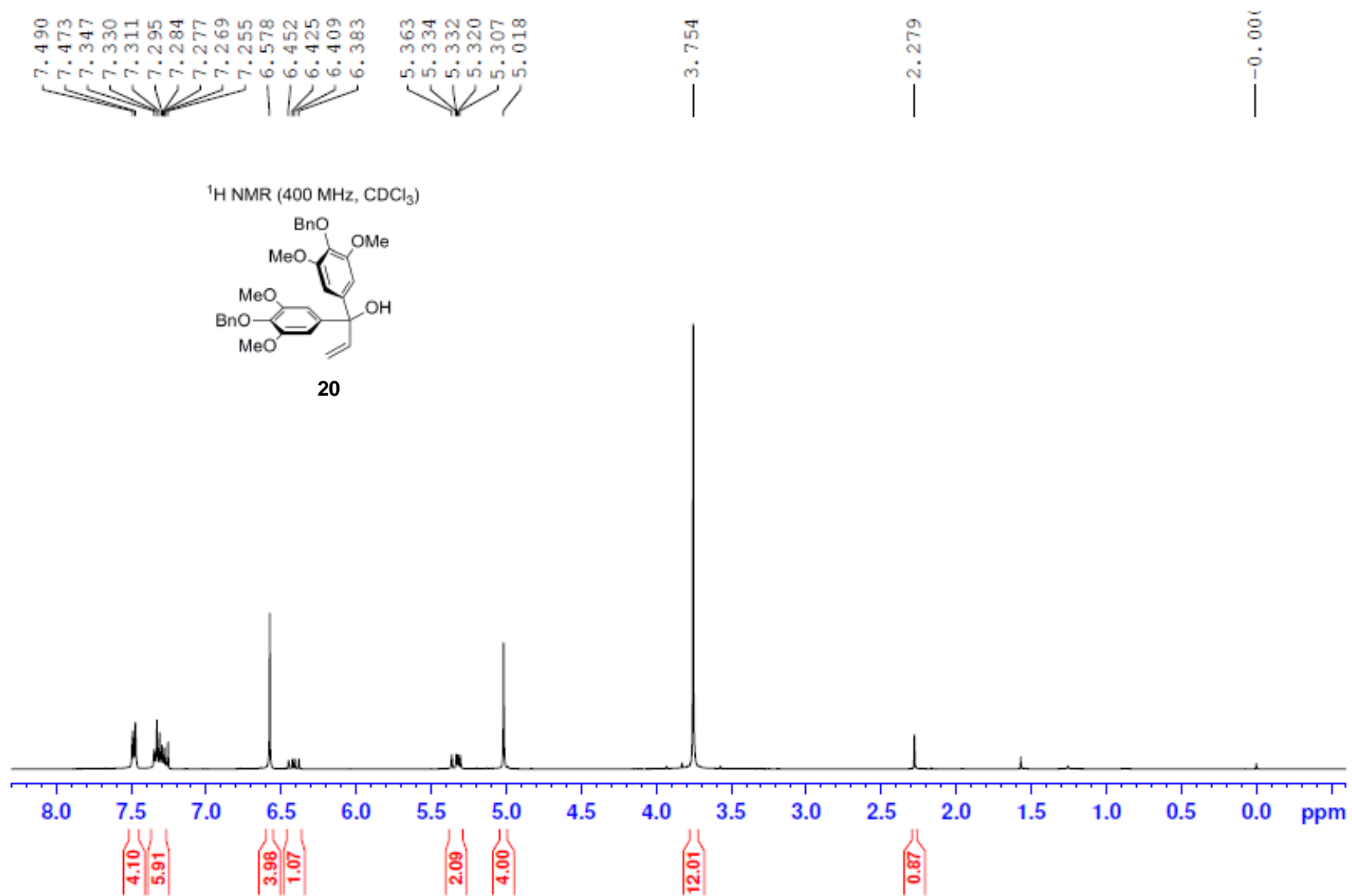


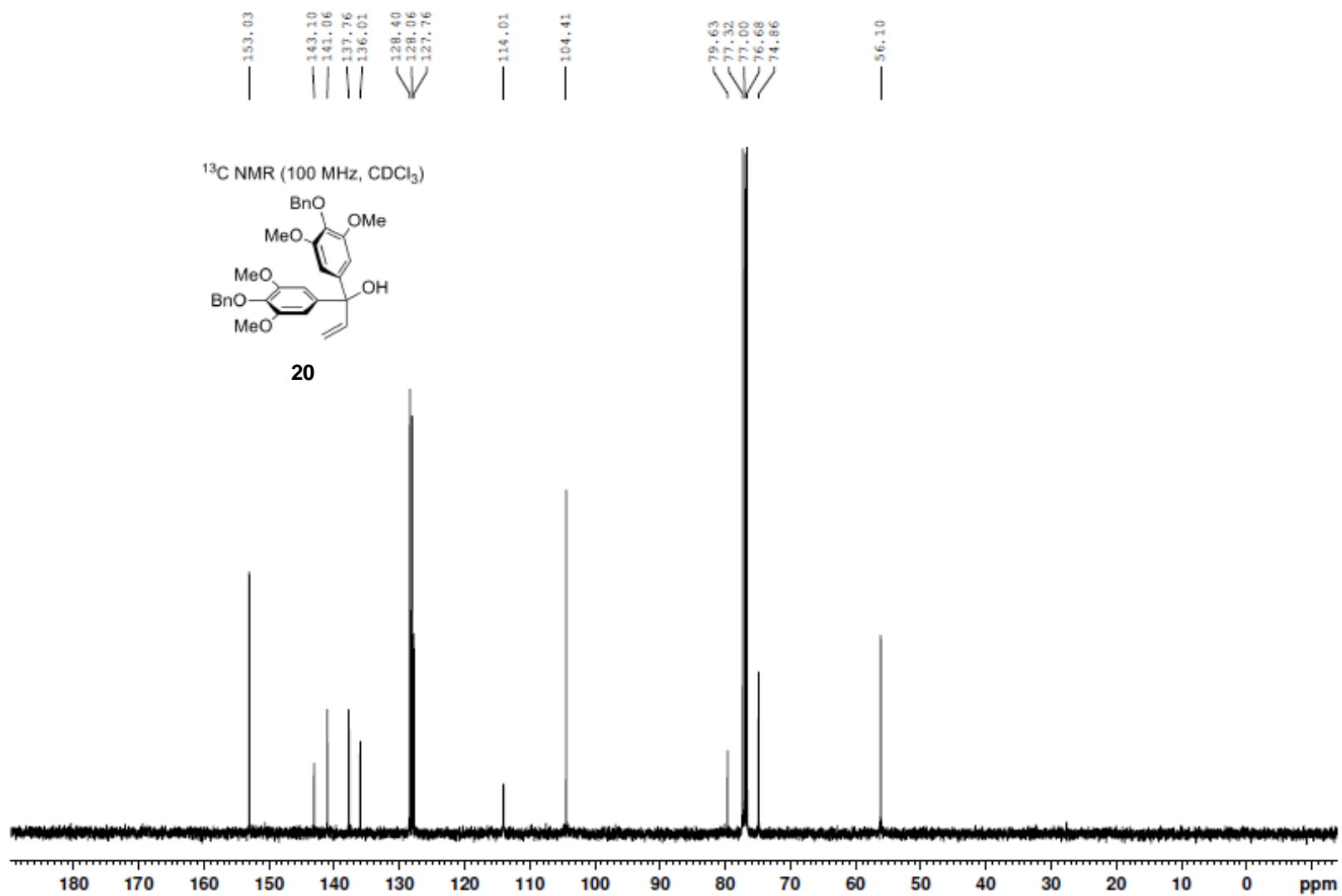


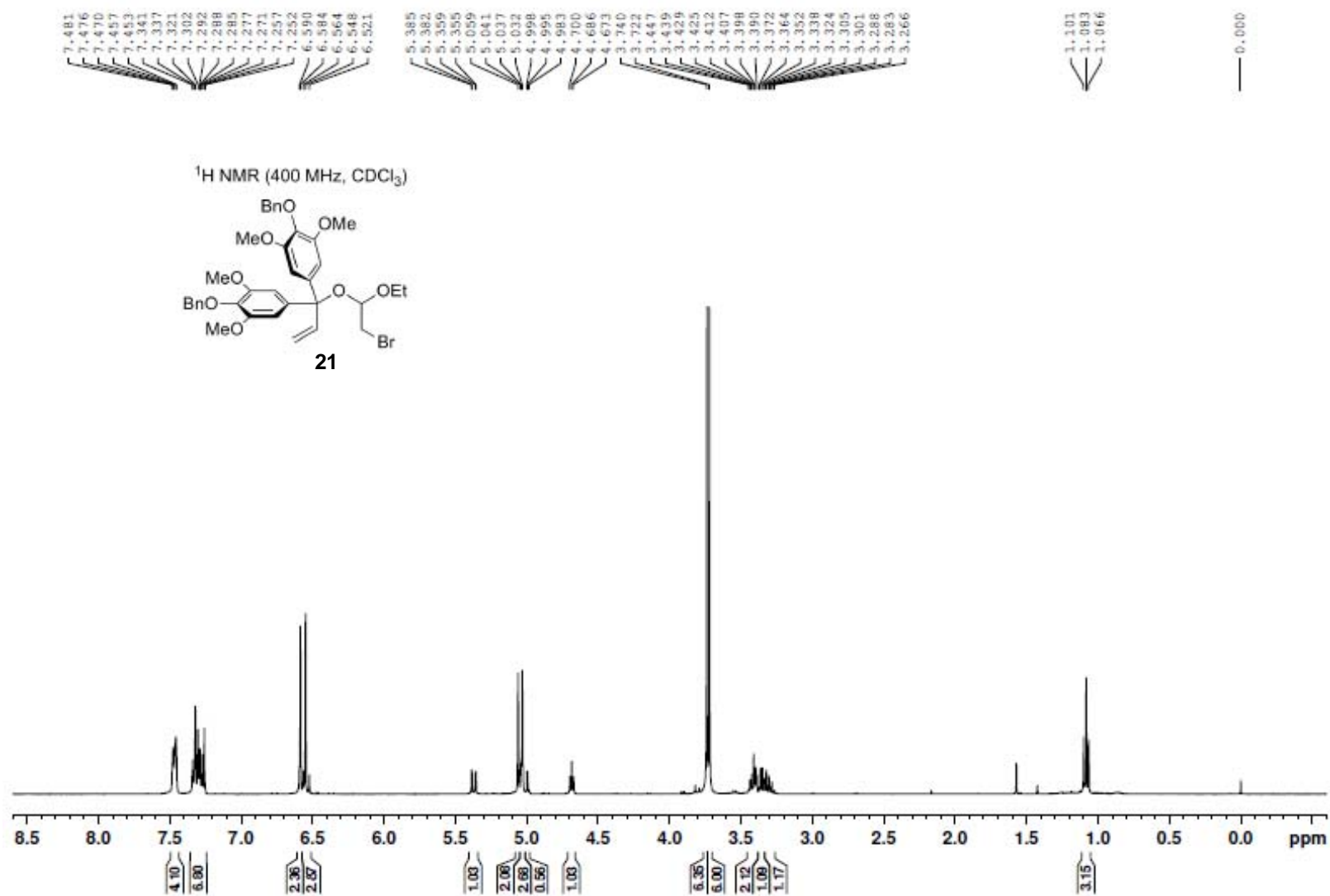


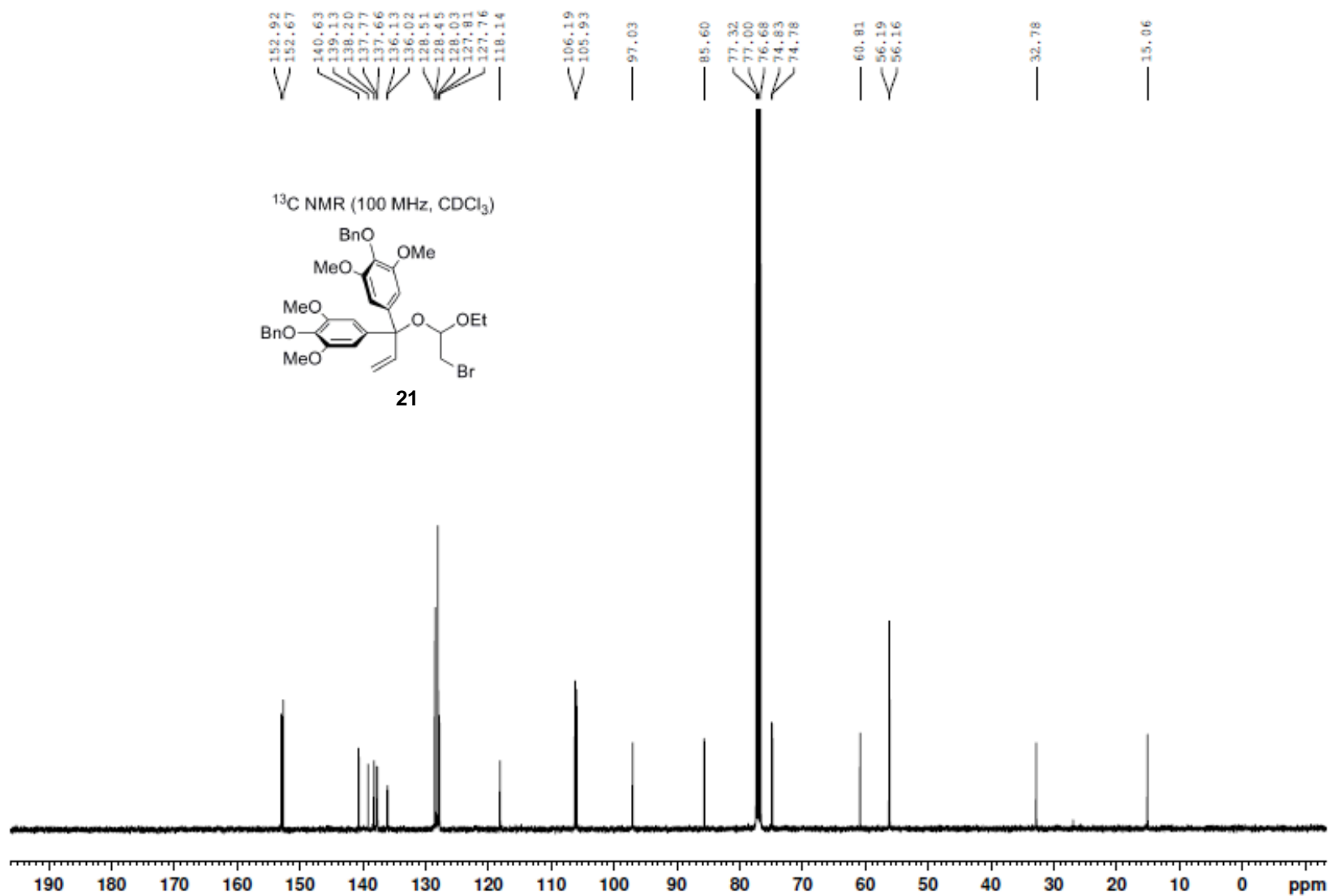


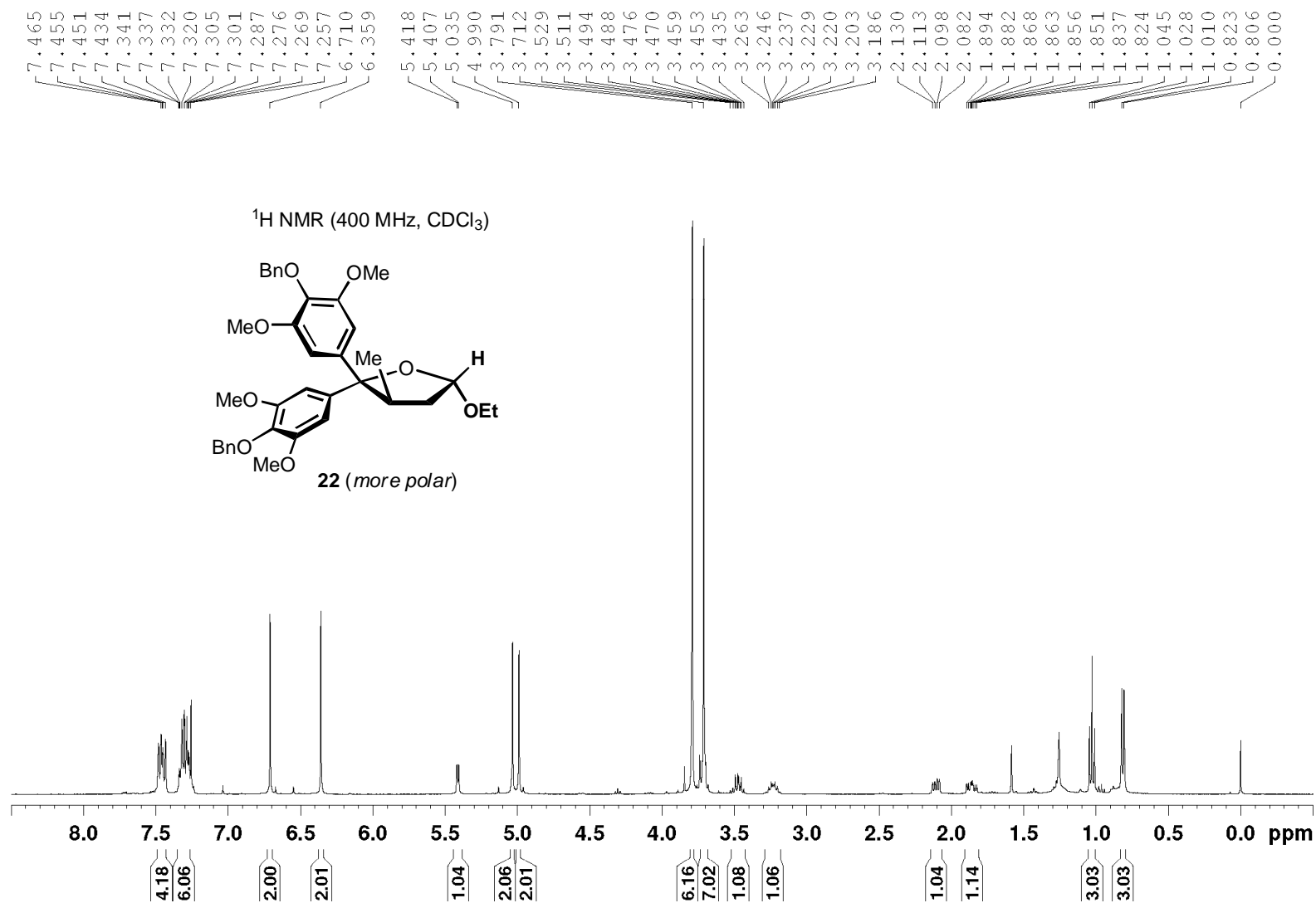


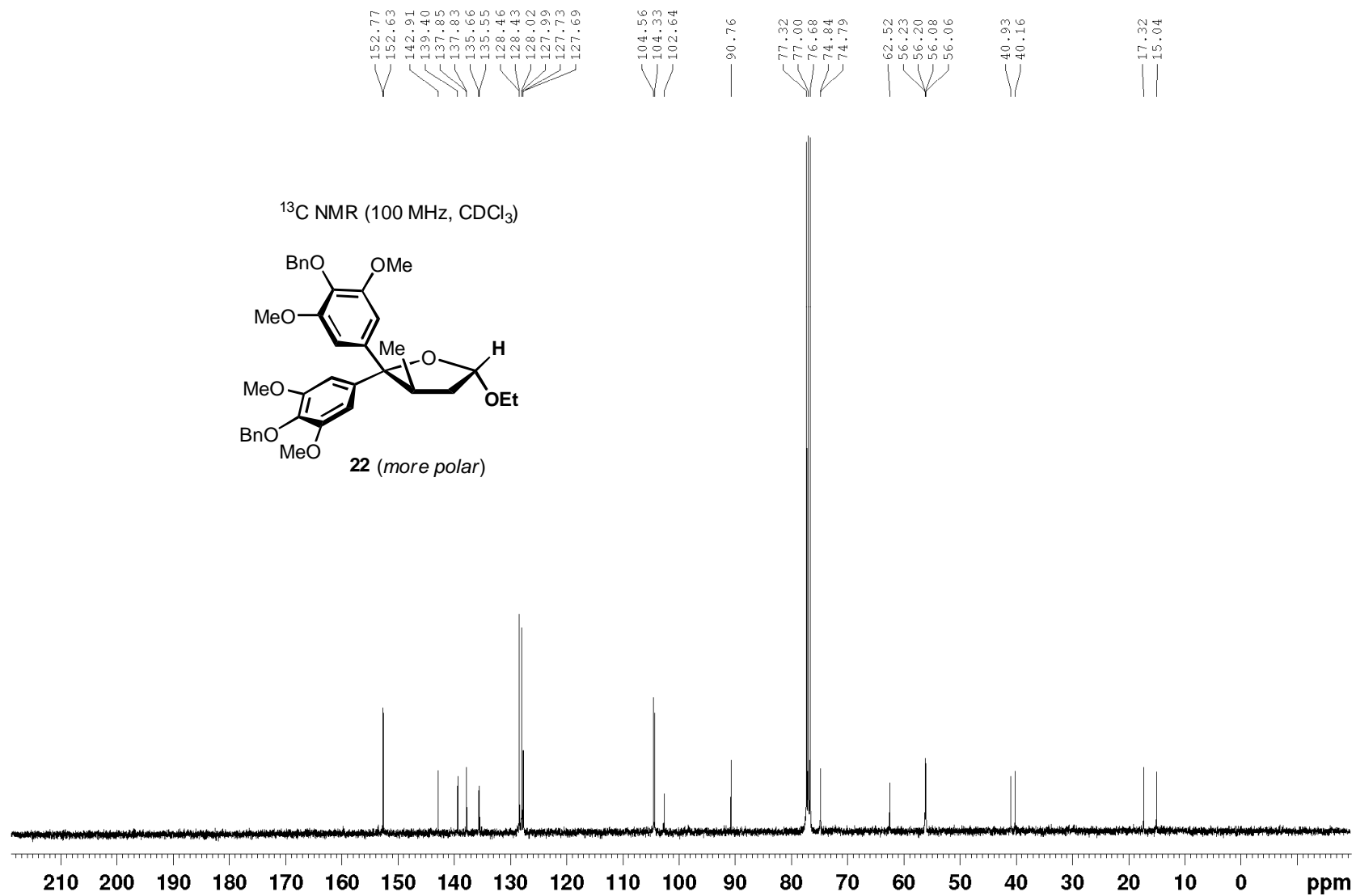


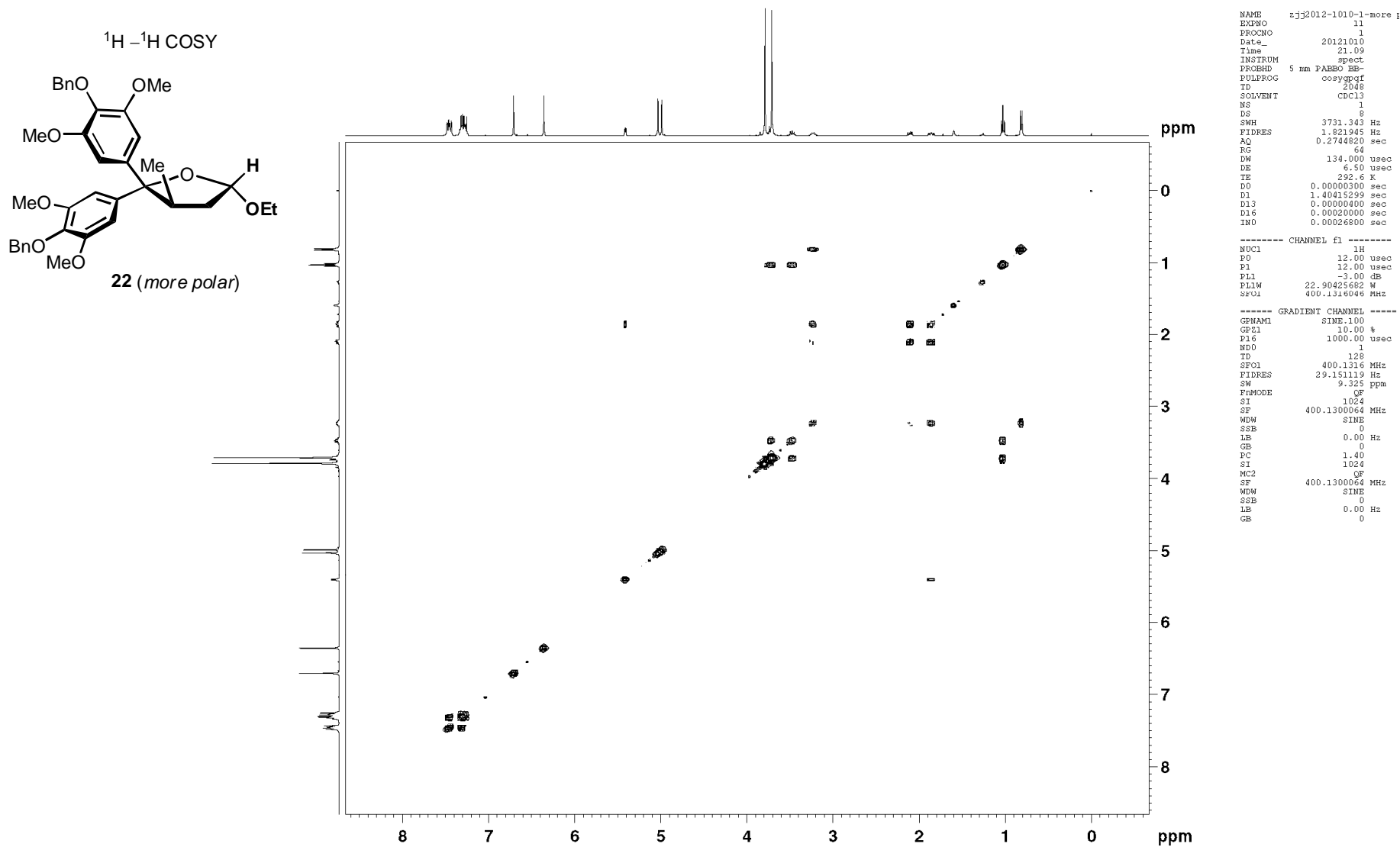


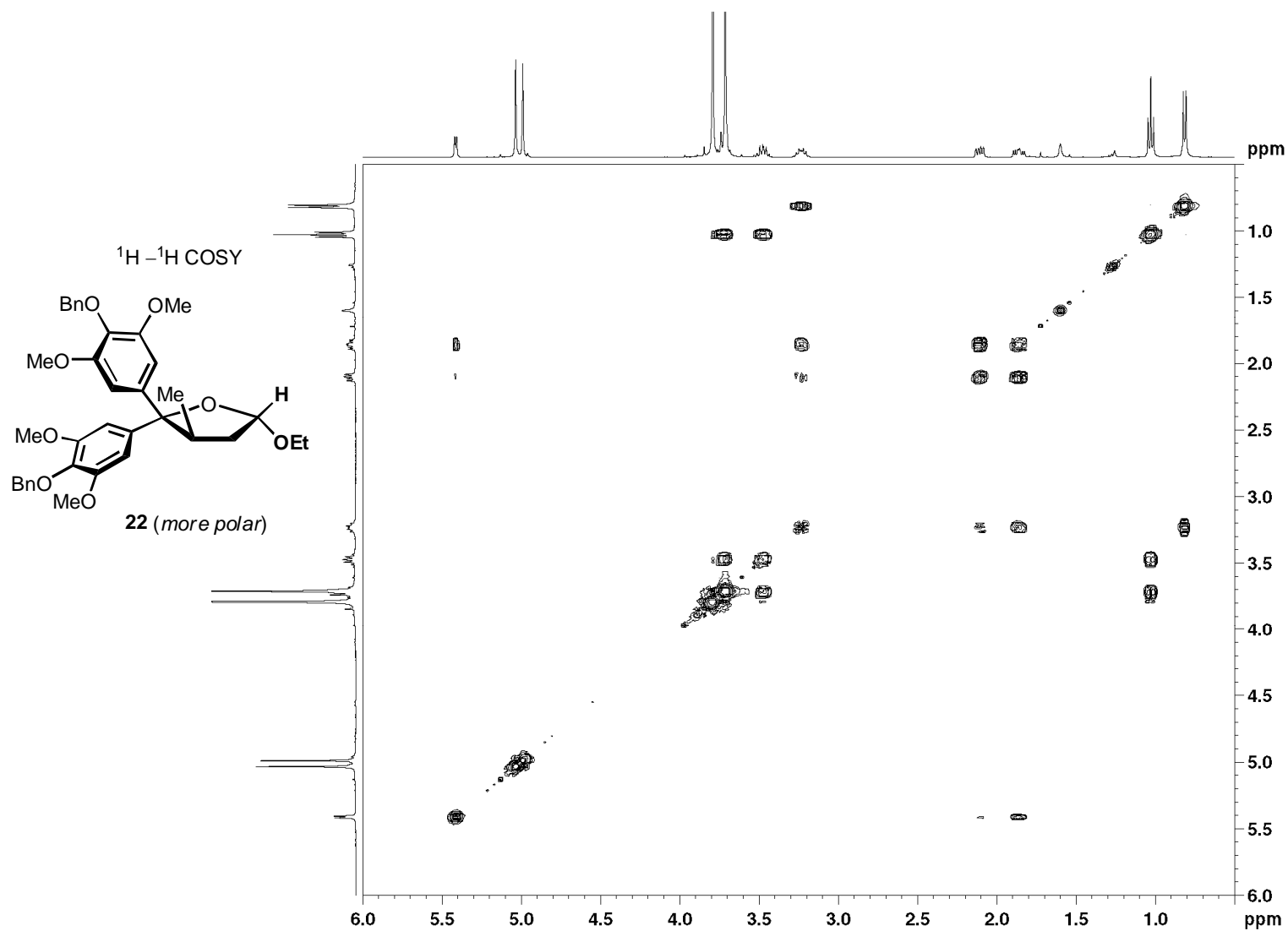








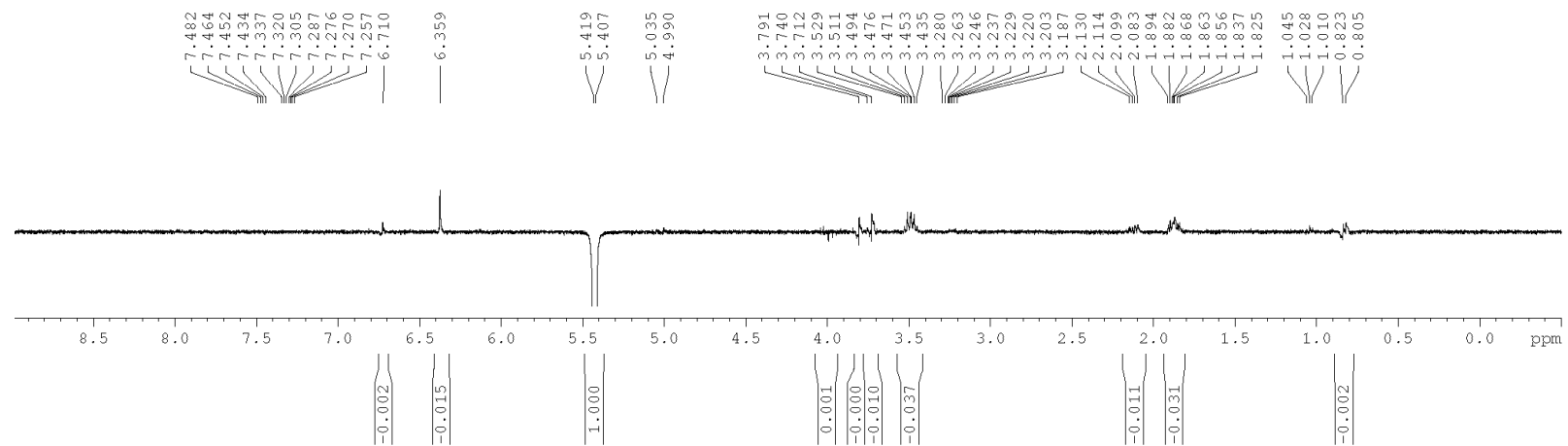




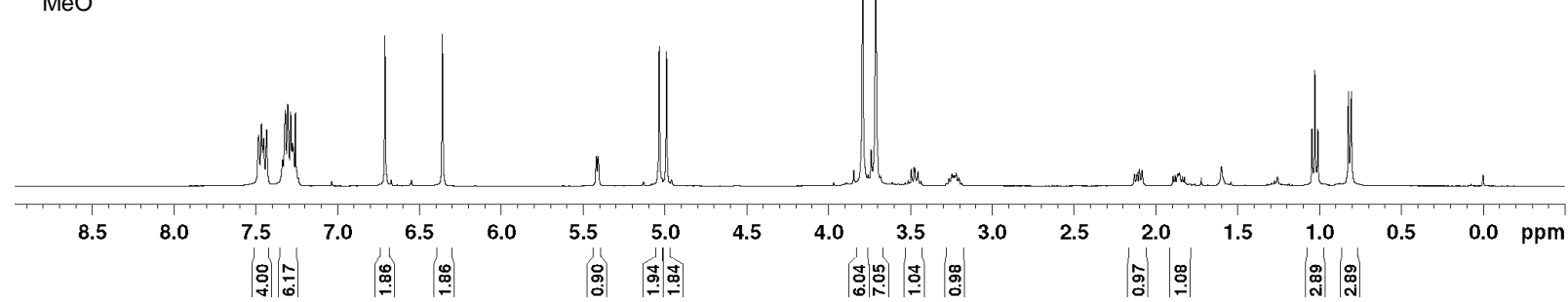
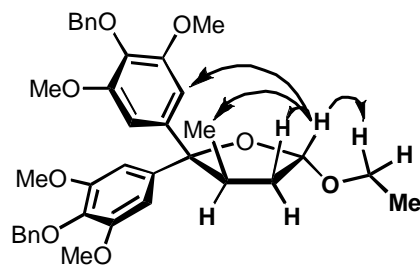
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FIDRES 1.821945 Hz
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RG 64
DM 134.000 usec
DE 6.50 usec
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D16 0.00020000 sec
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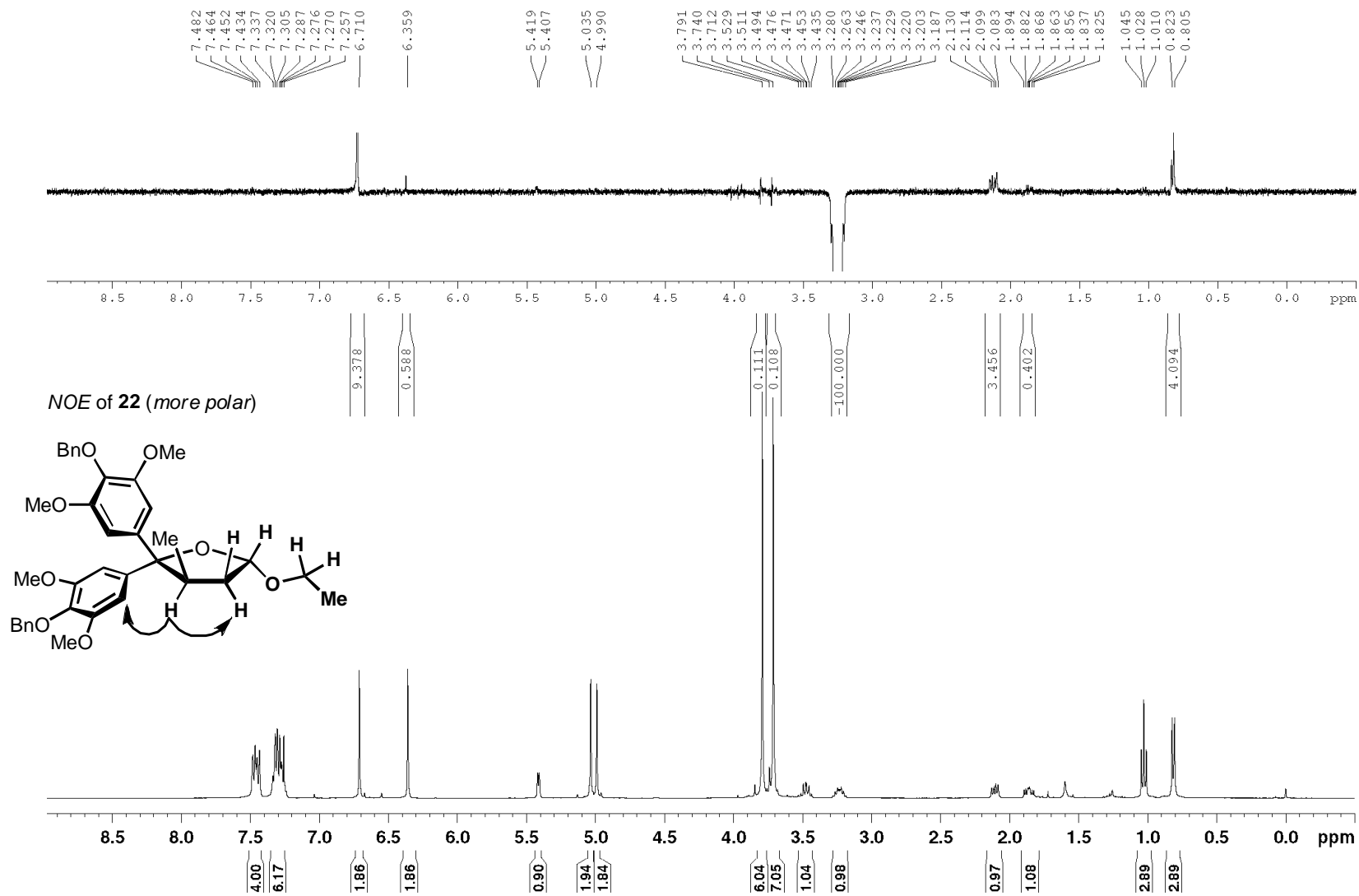
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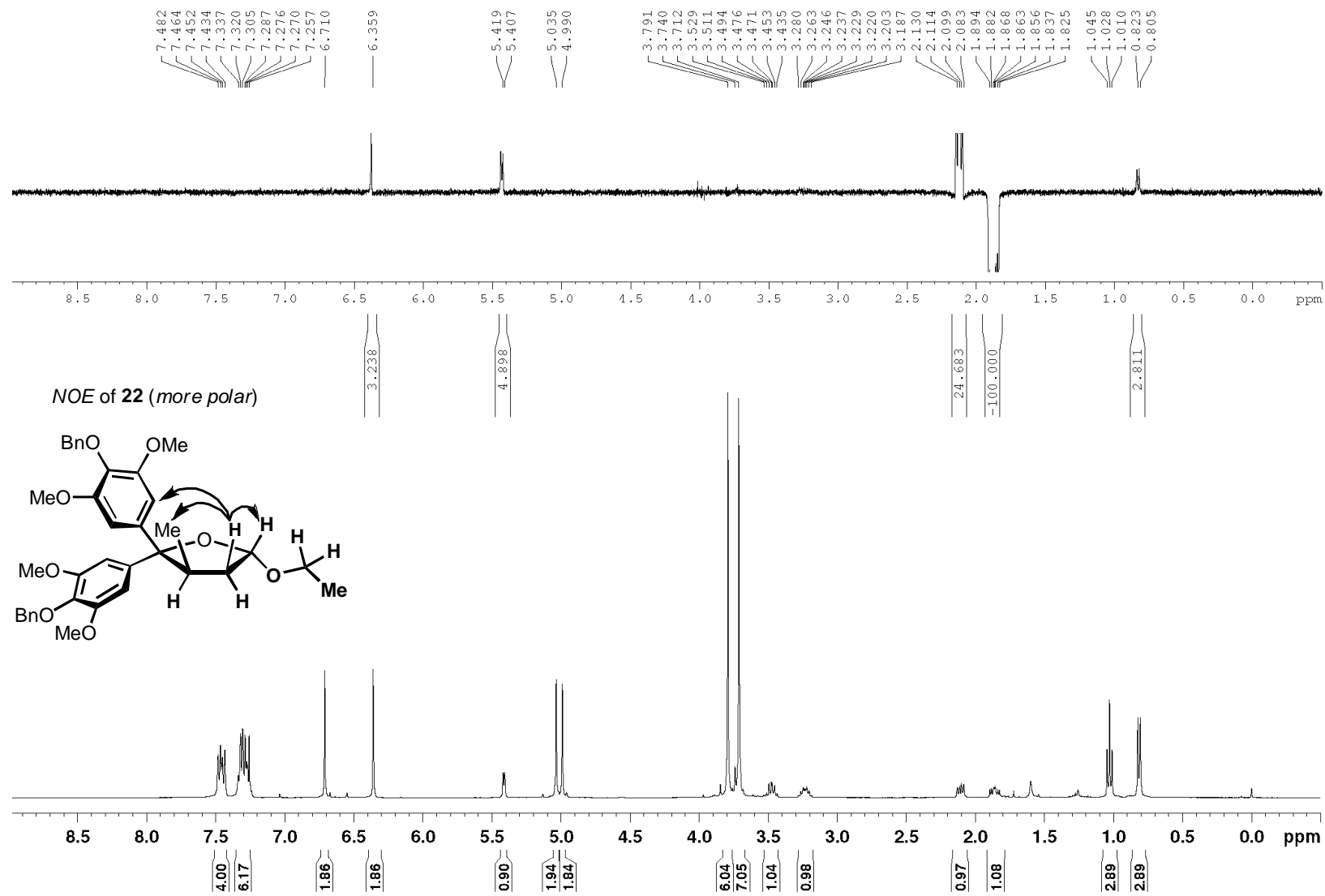
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TD 128
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SW 9.325 ppm
FMODE GF
SI 1024
SF 400.1300064 MHz
WDW SINE
SSE 0
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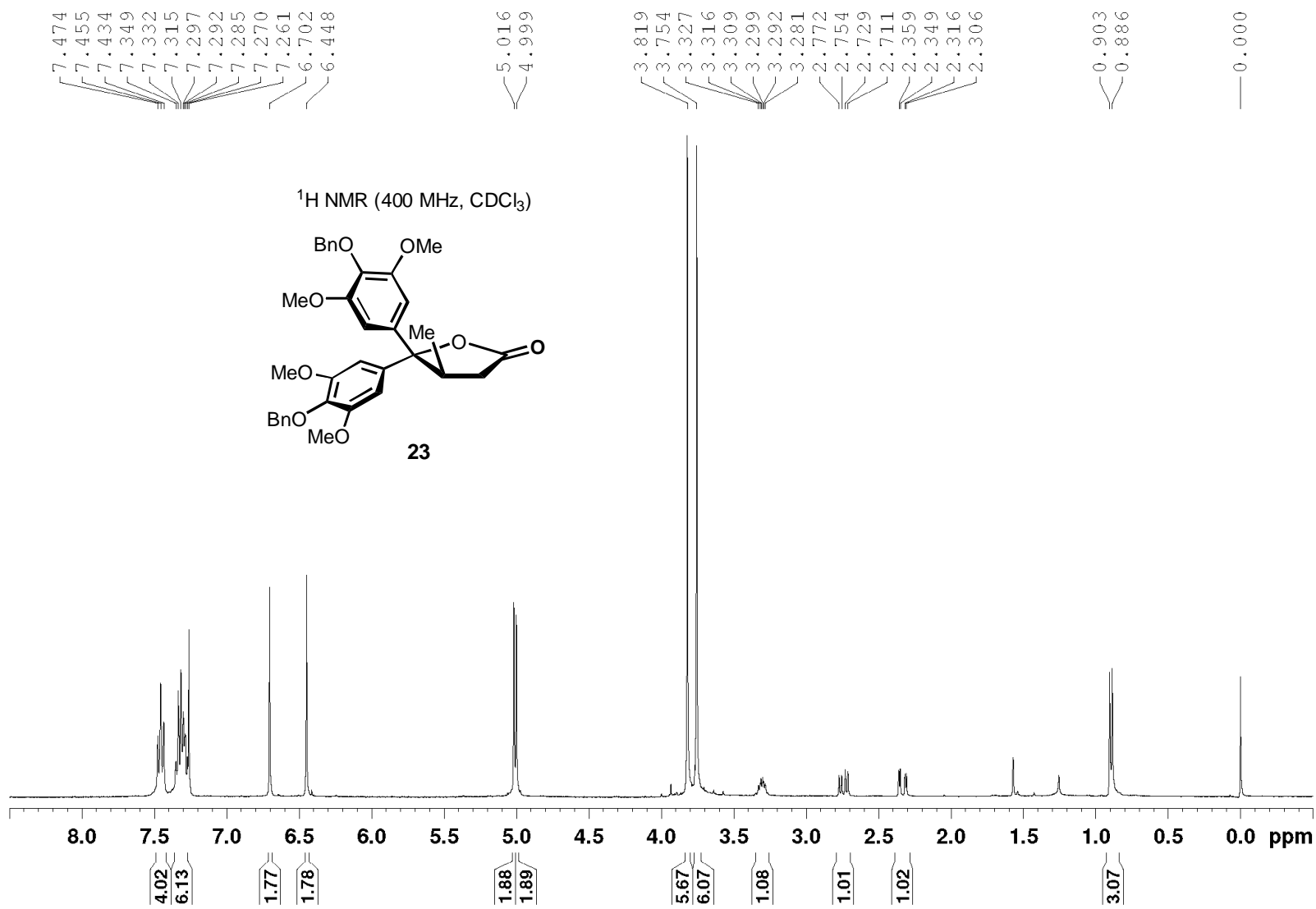


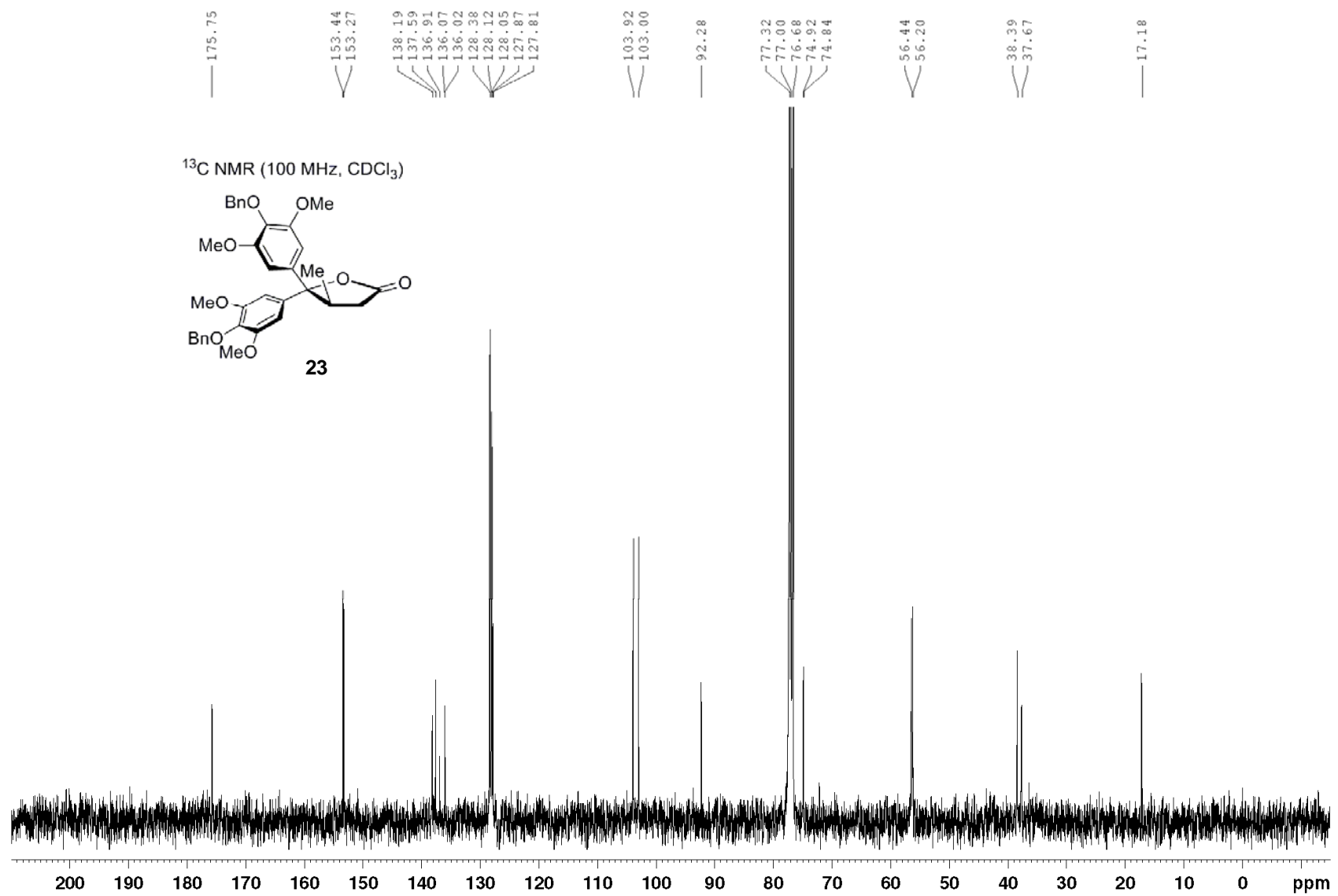
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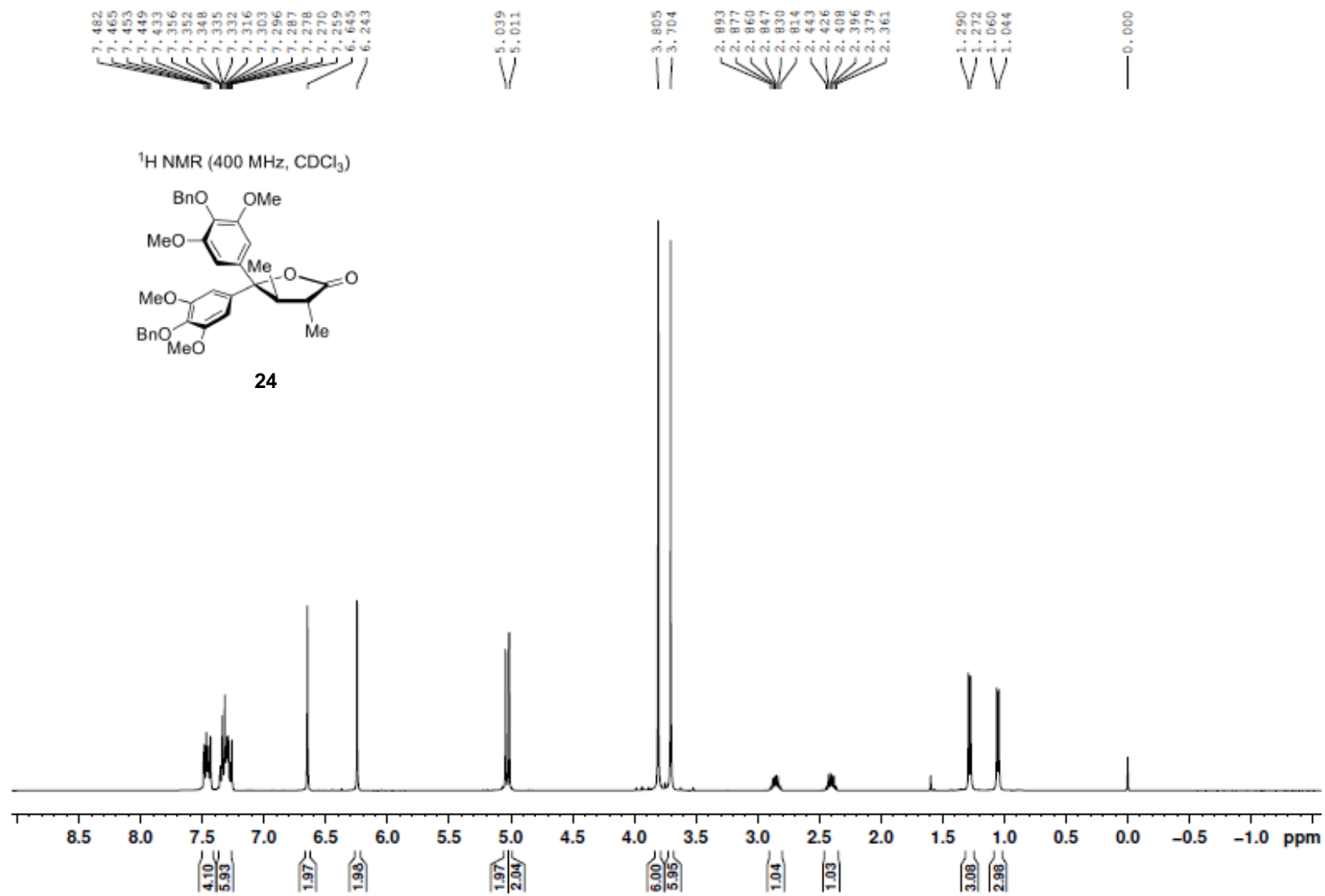


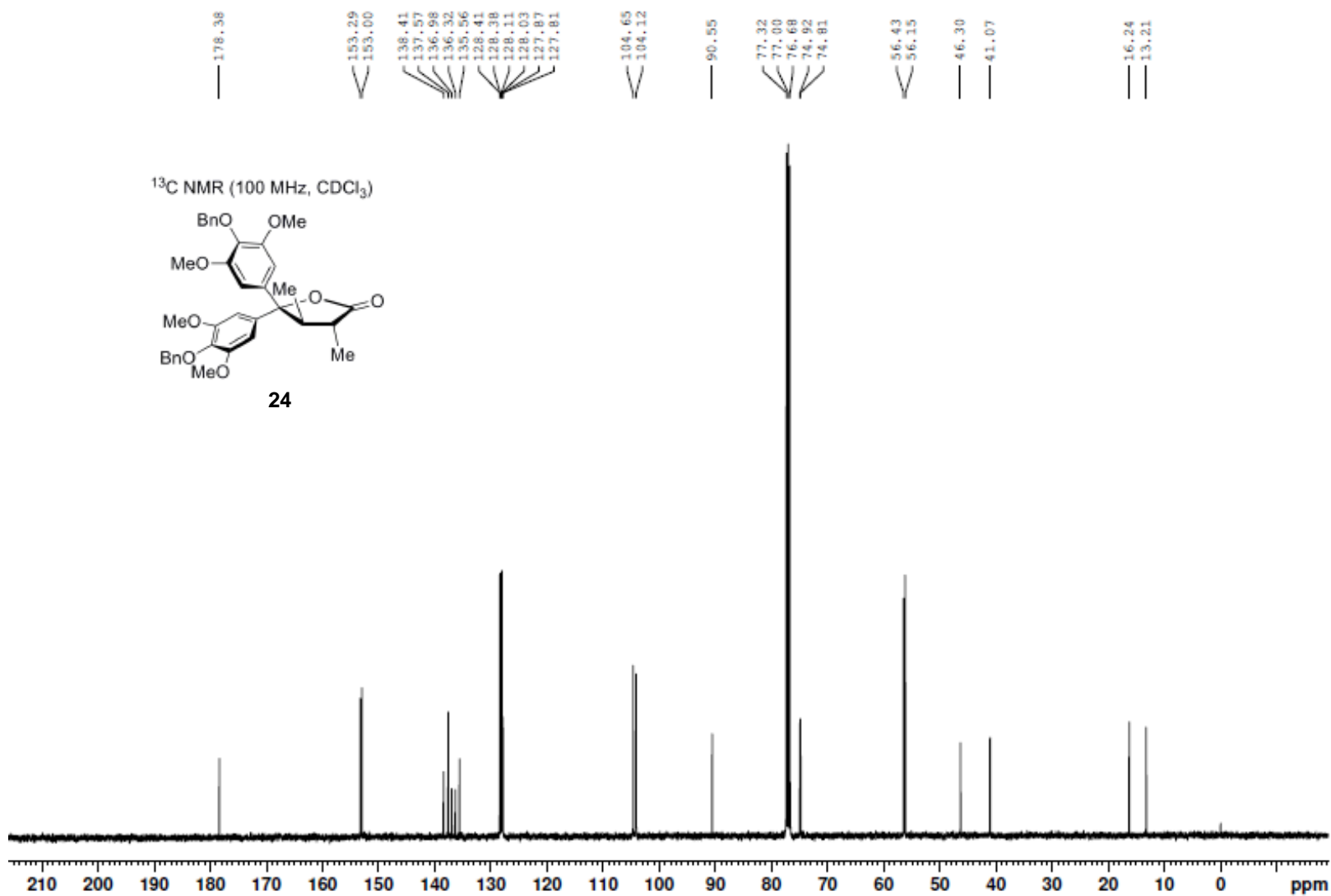


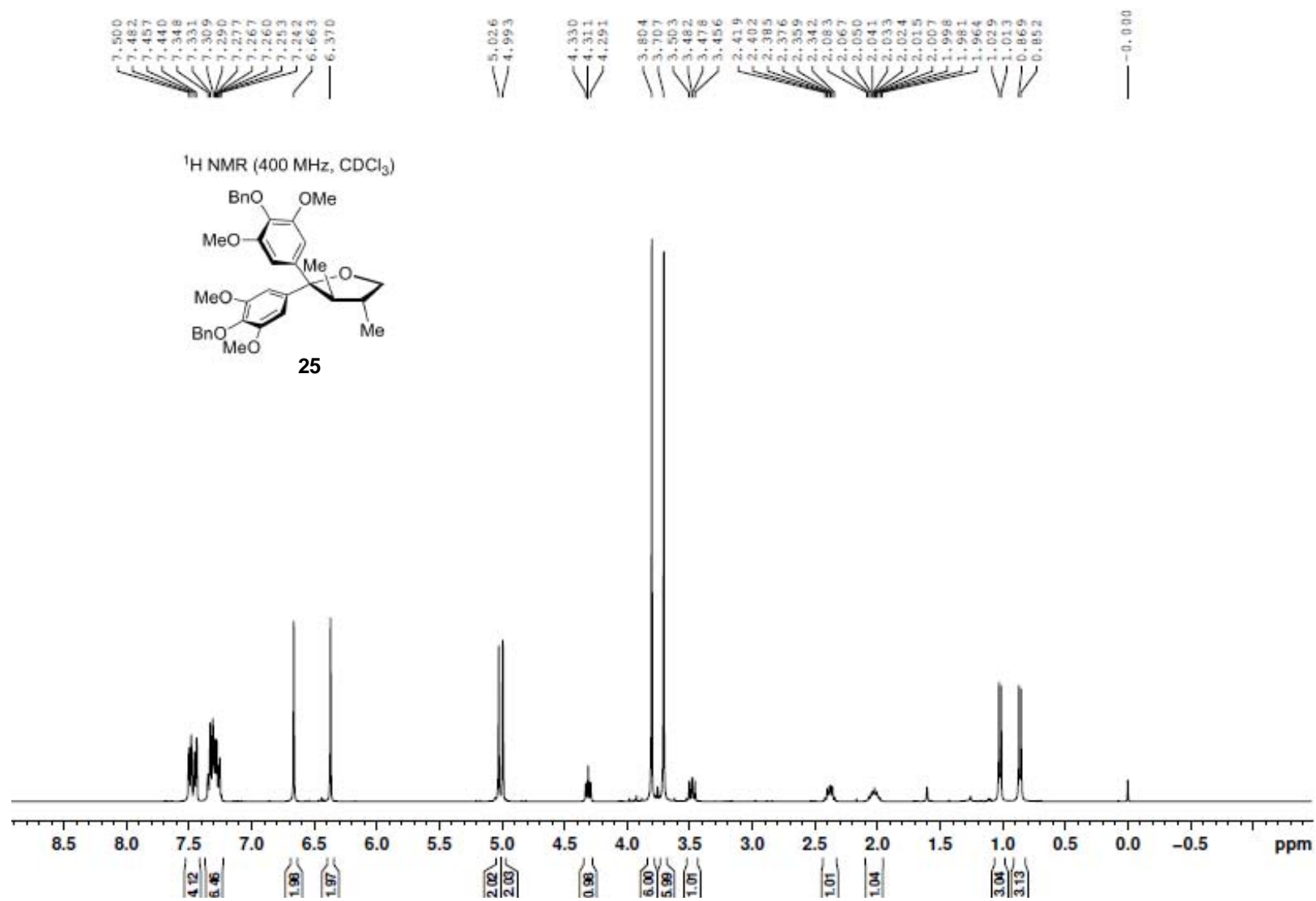


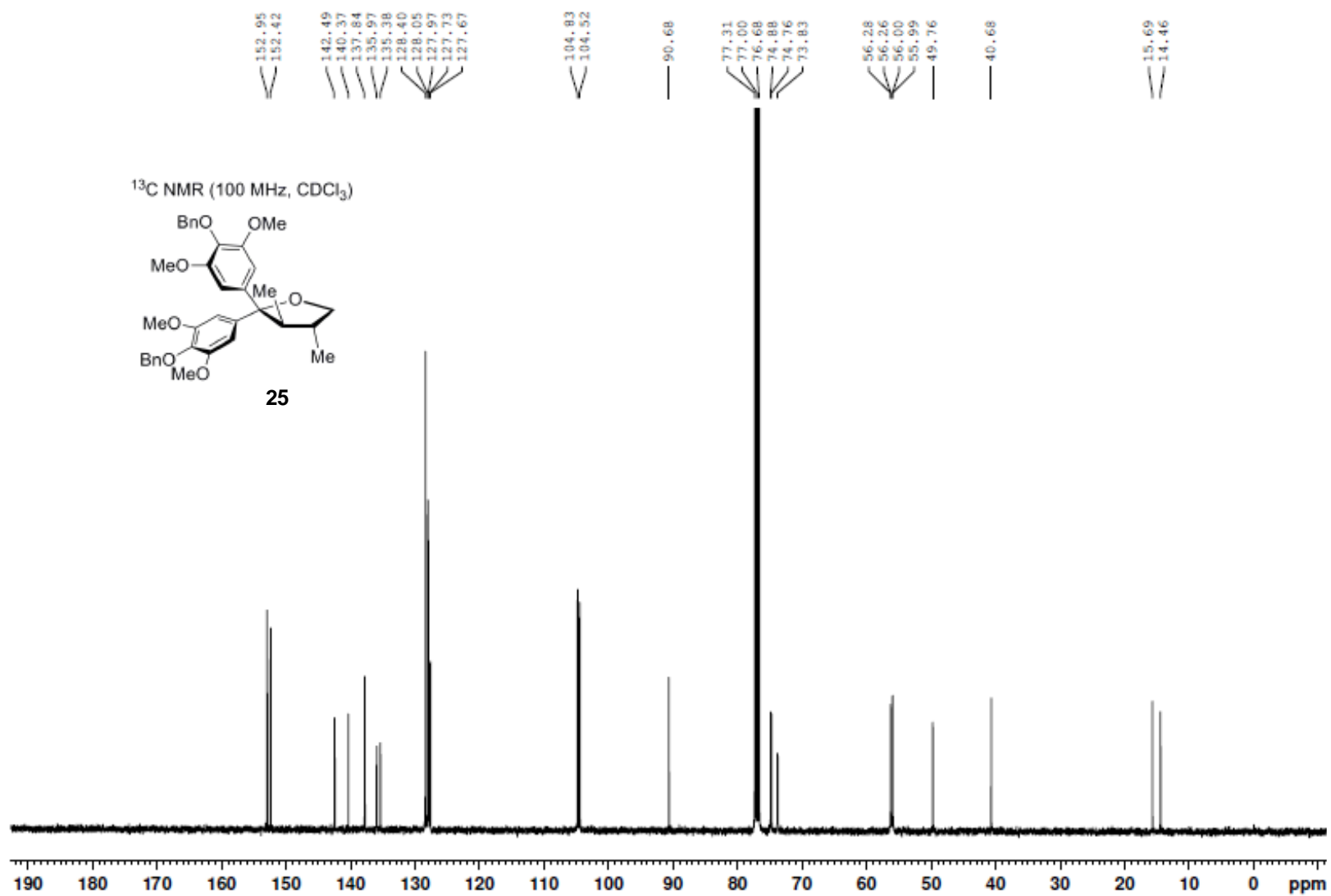


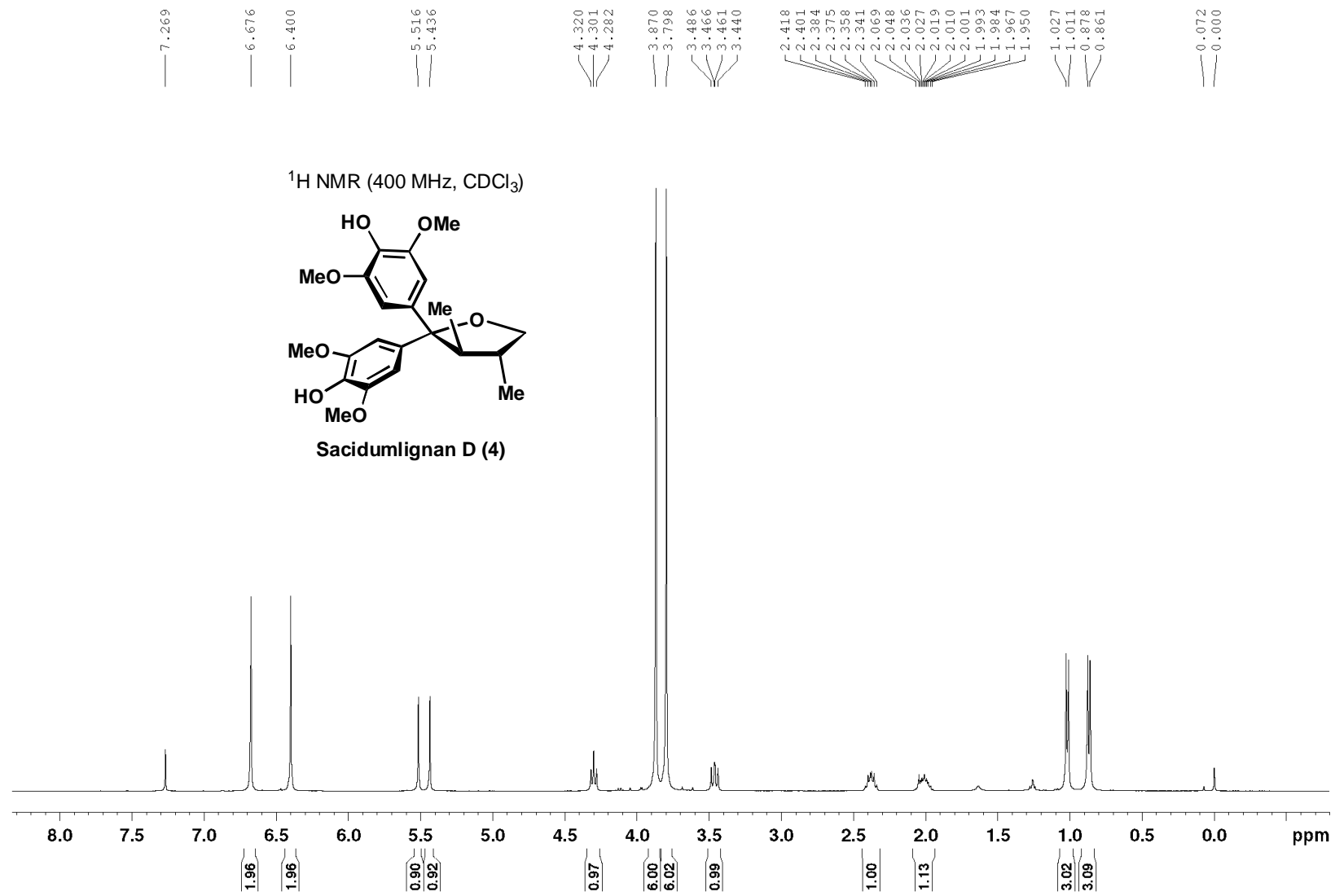


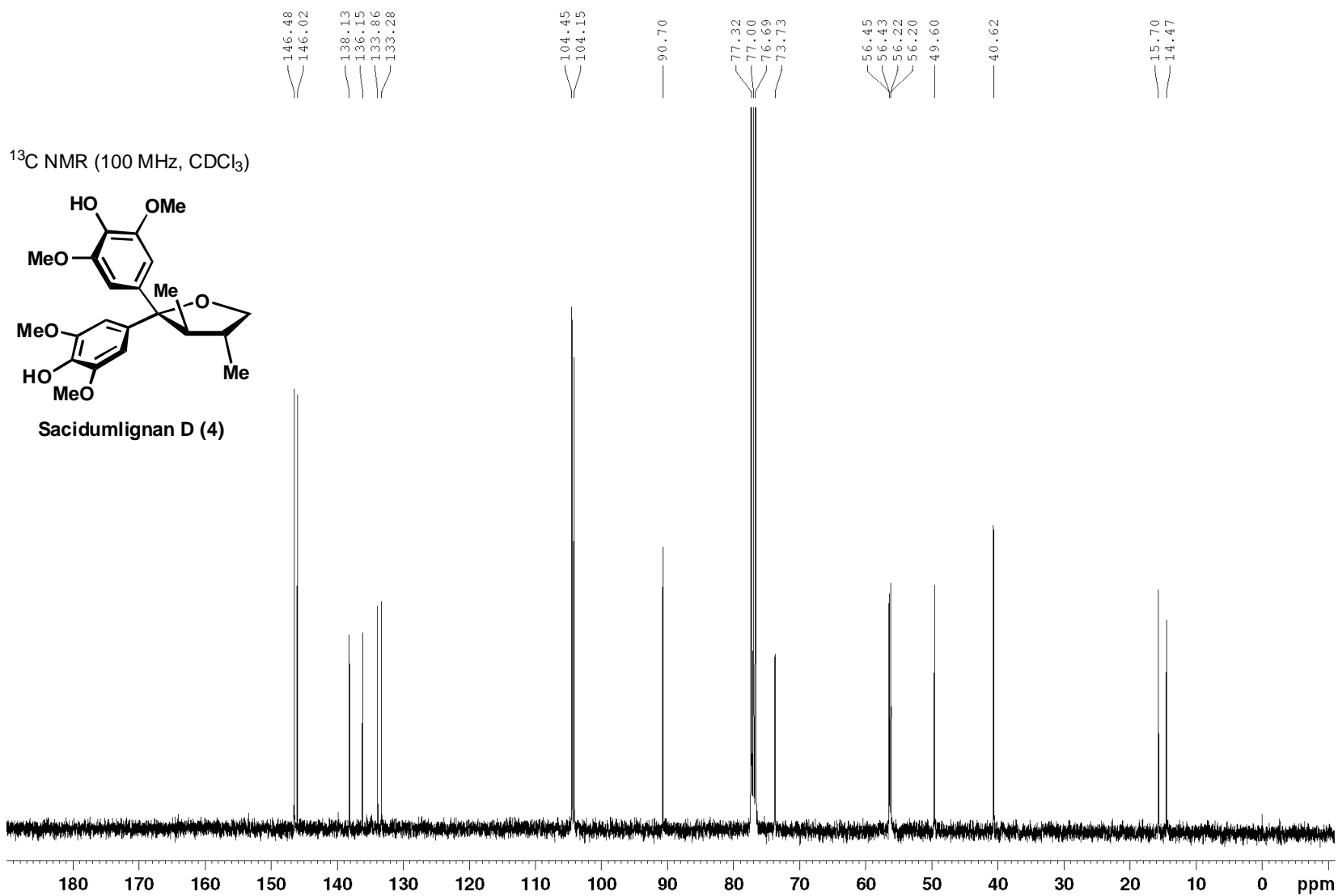


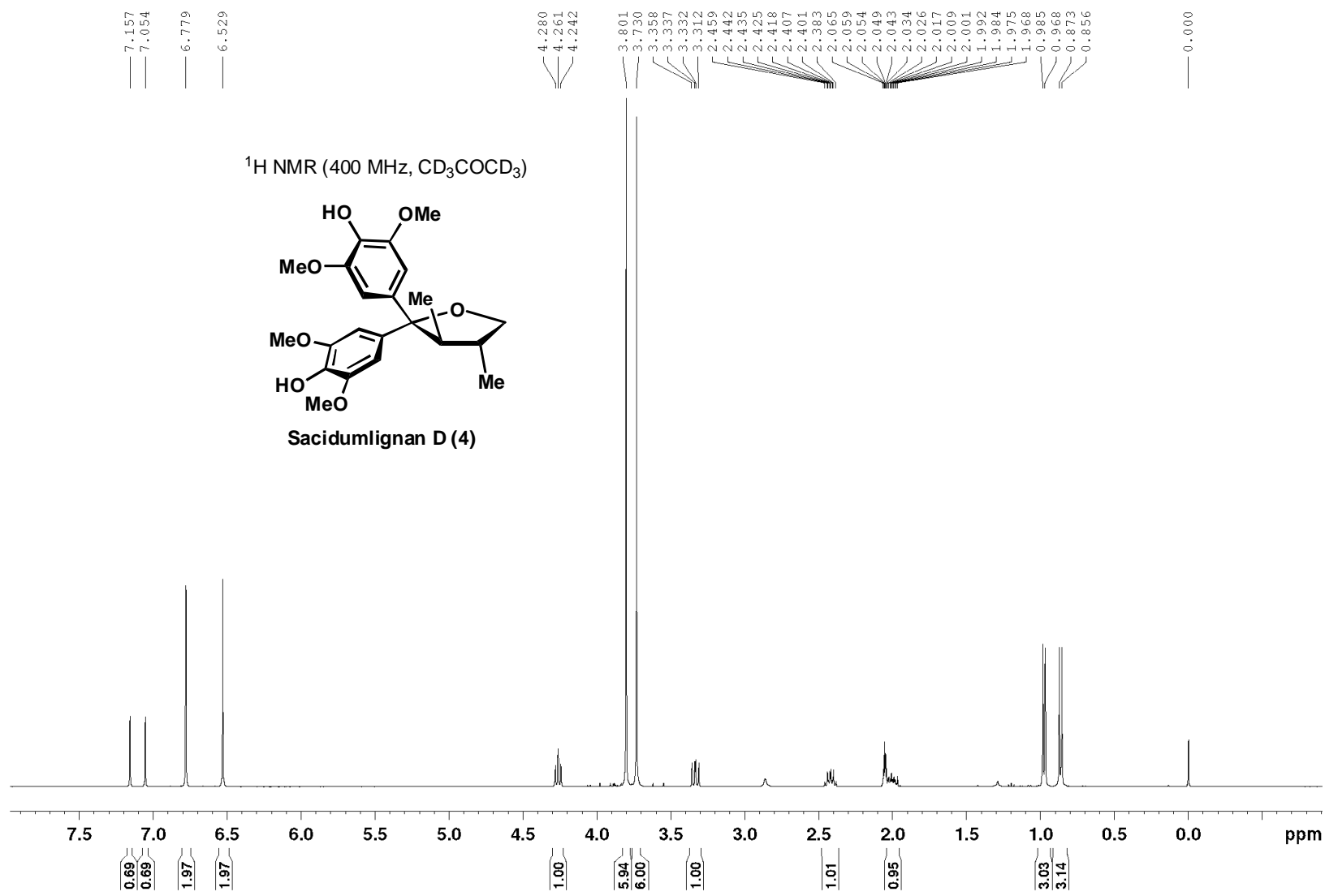


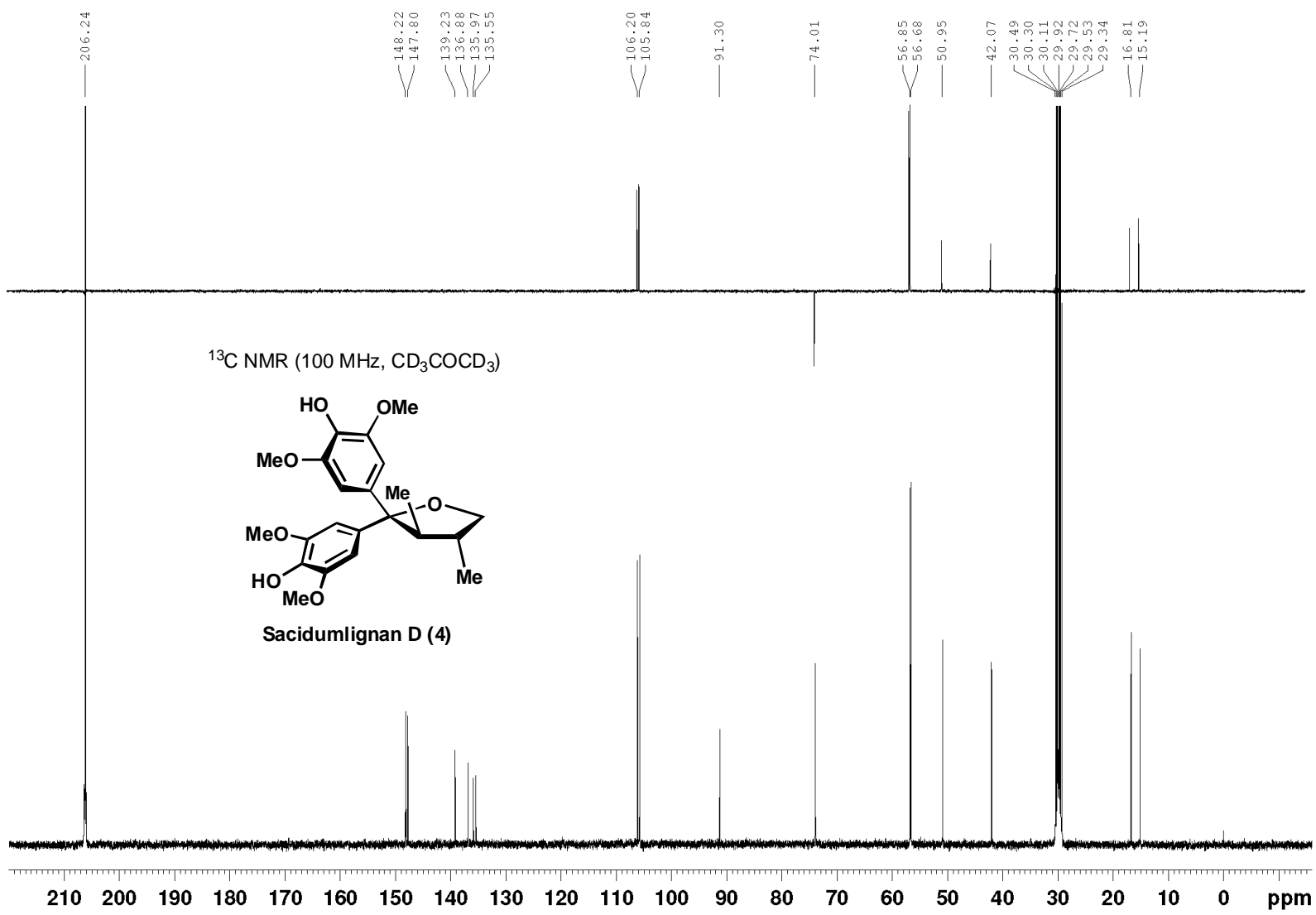


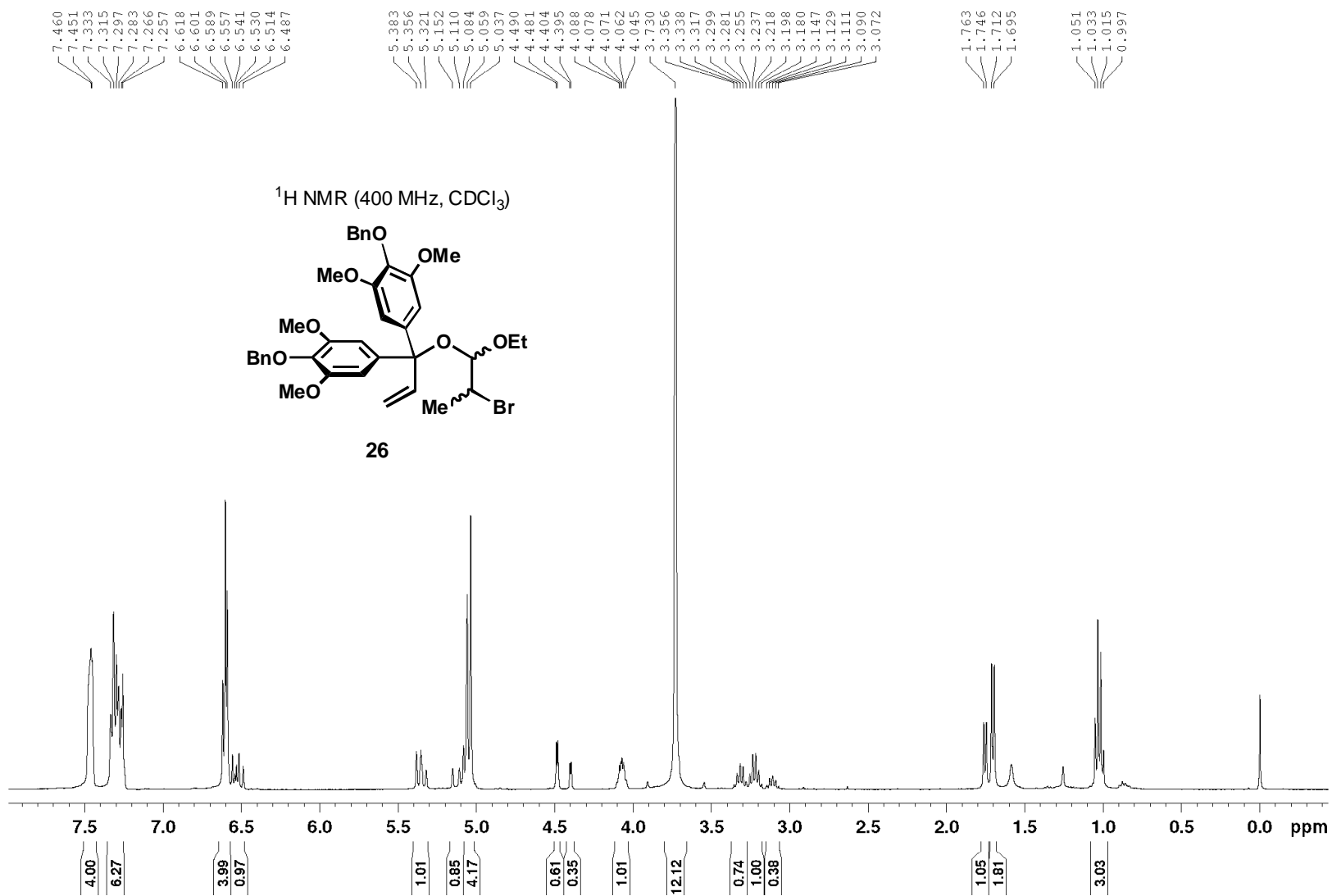


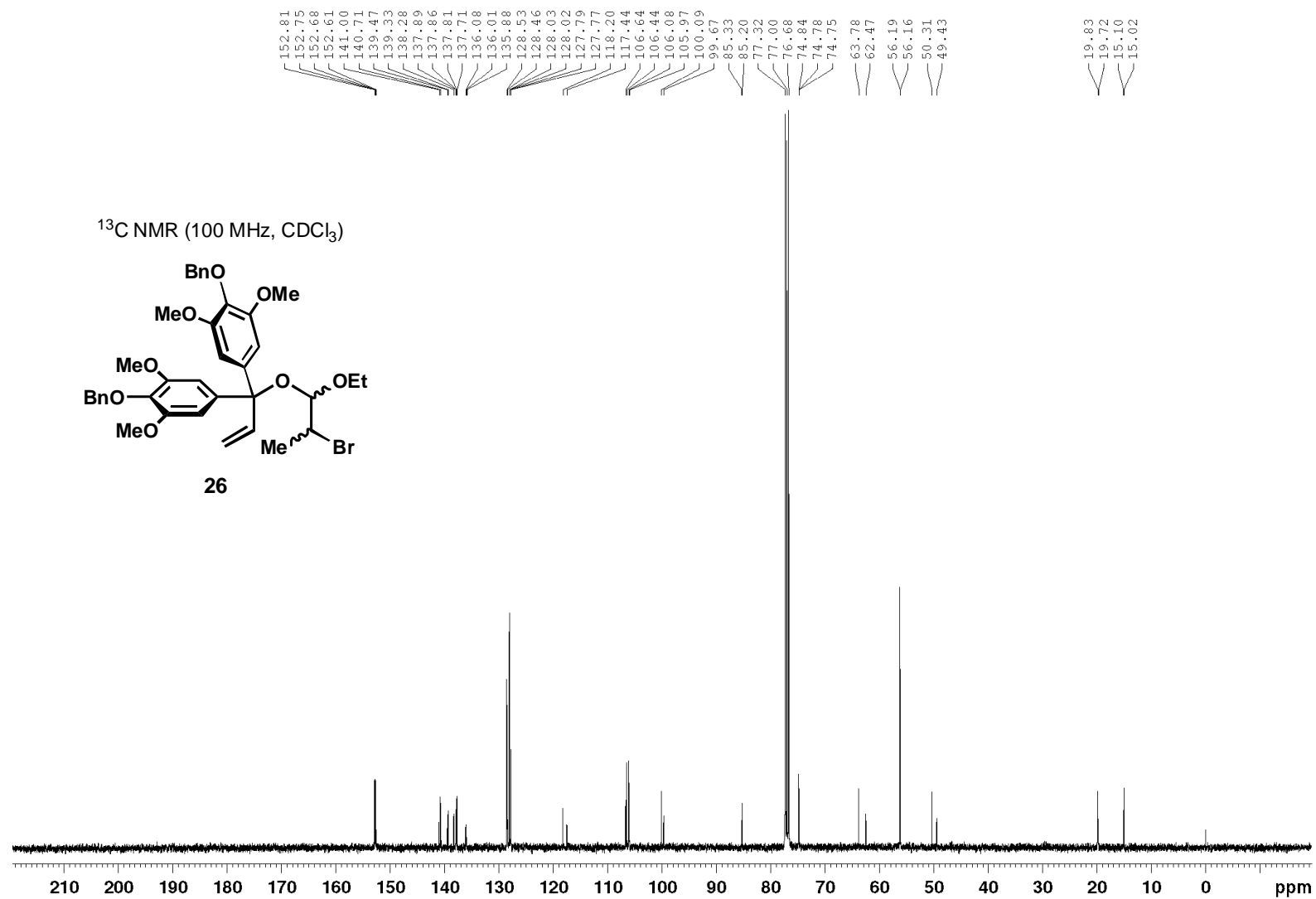


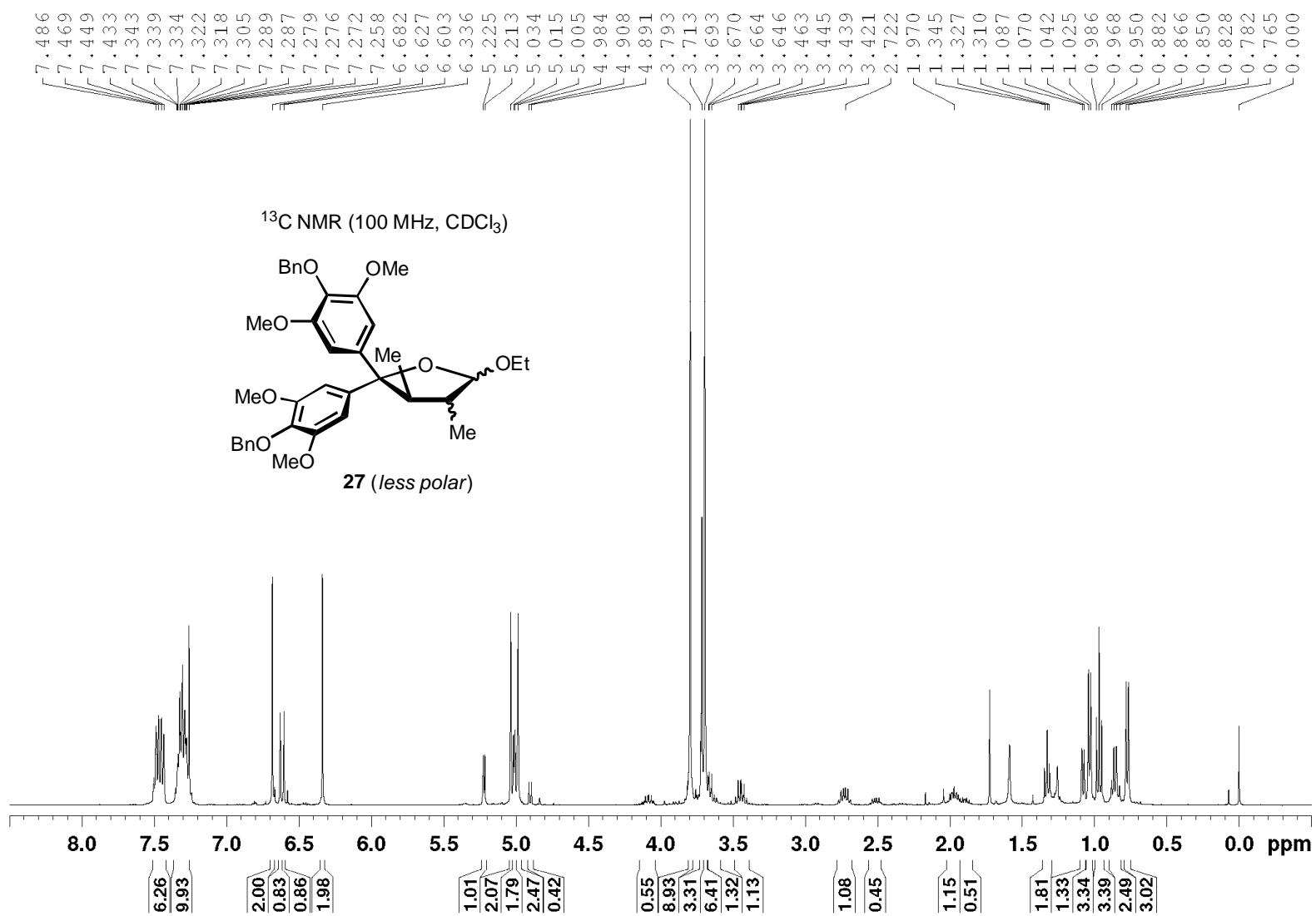


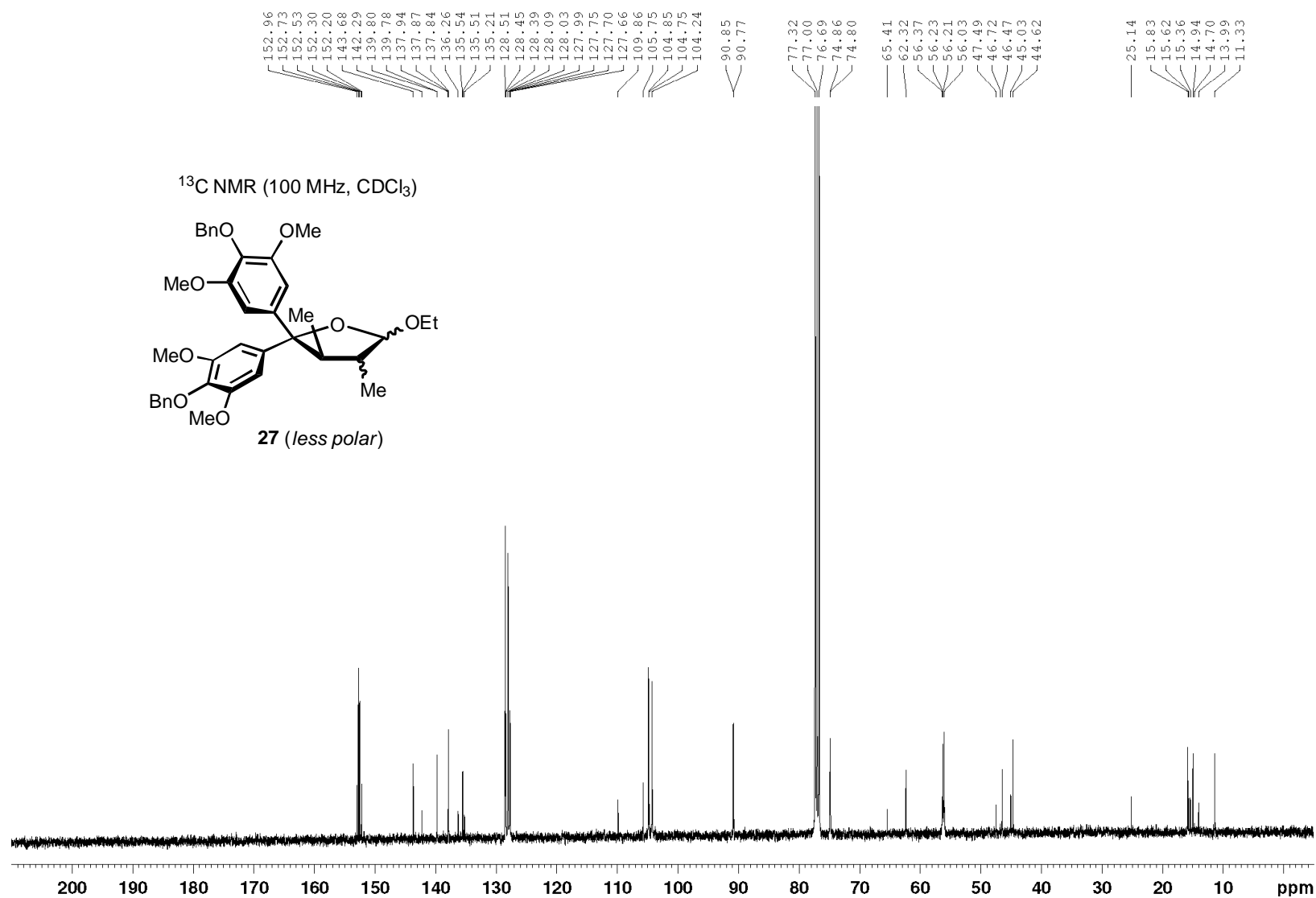


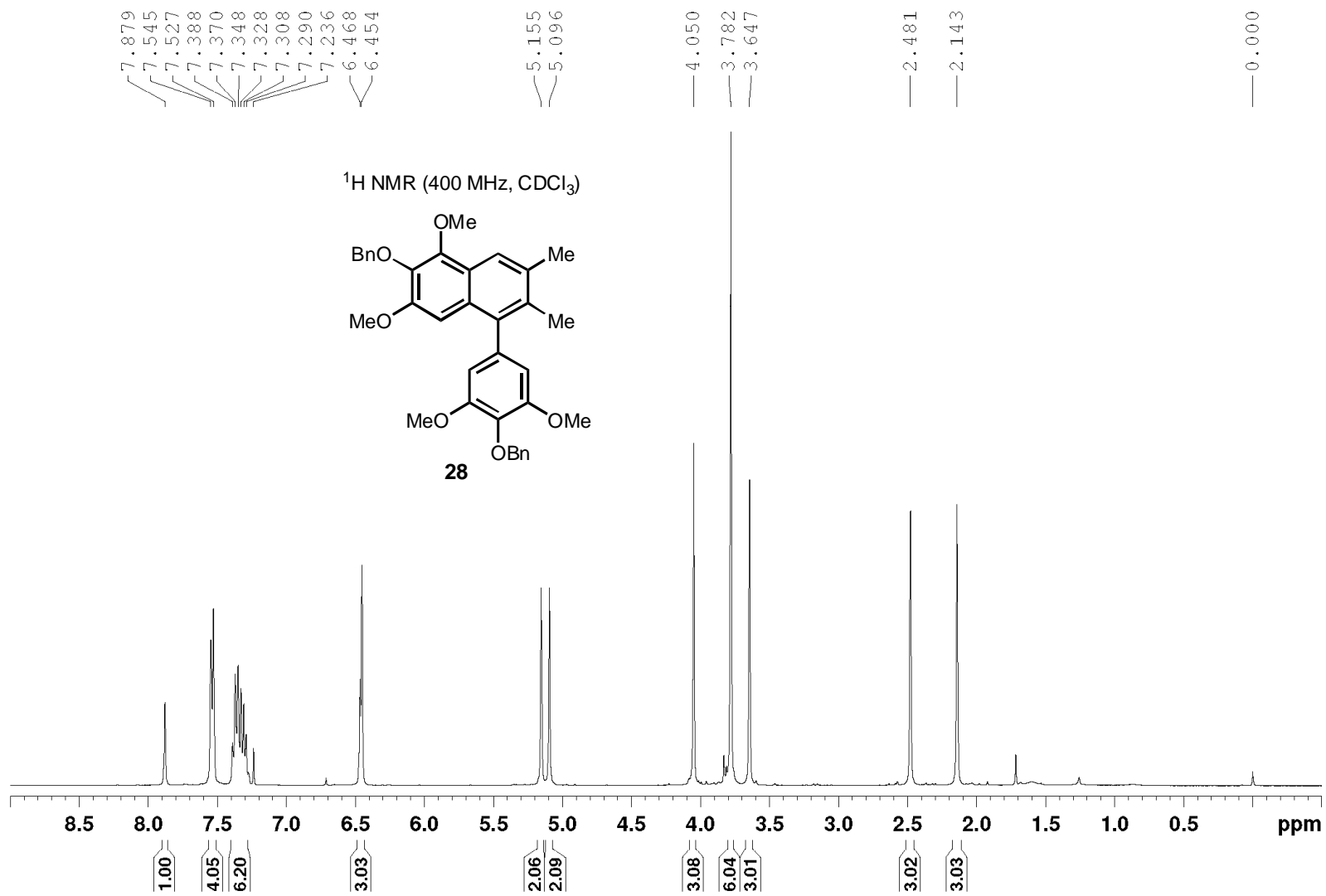


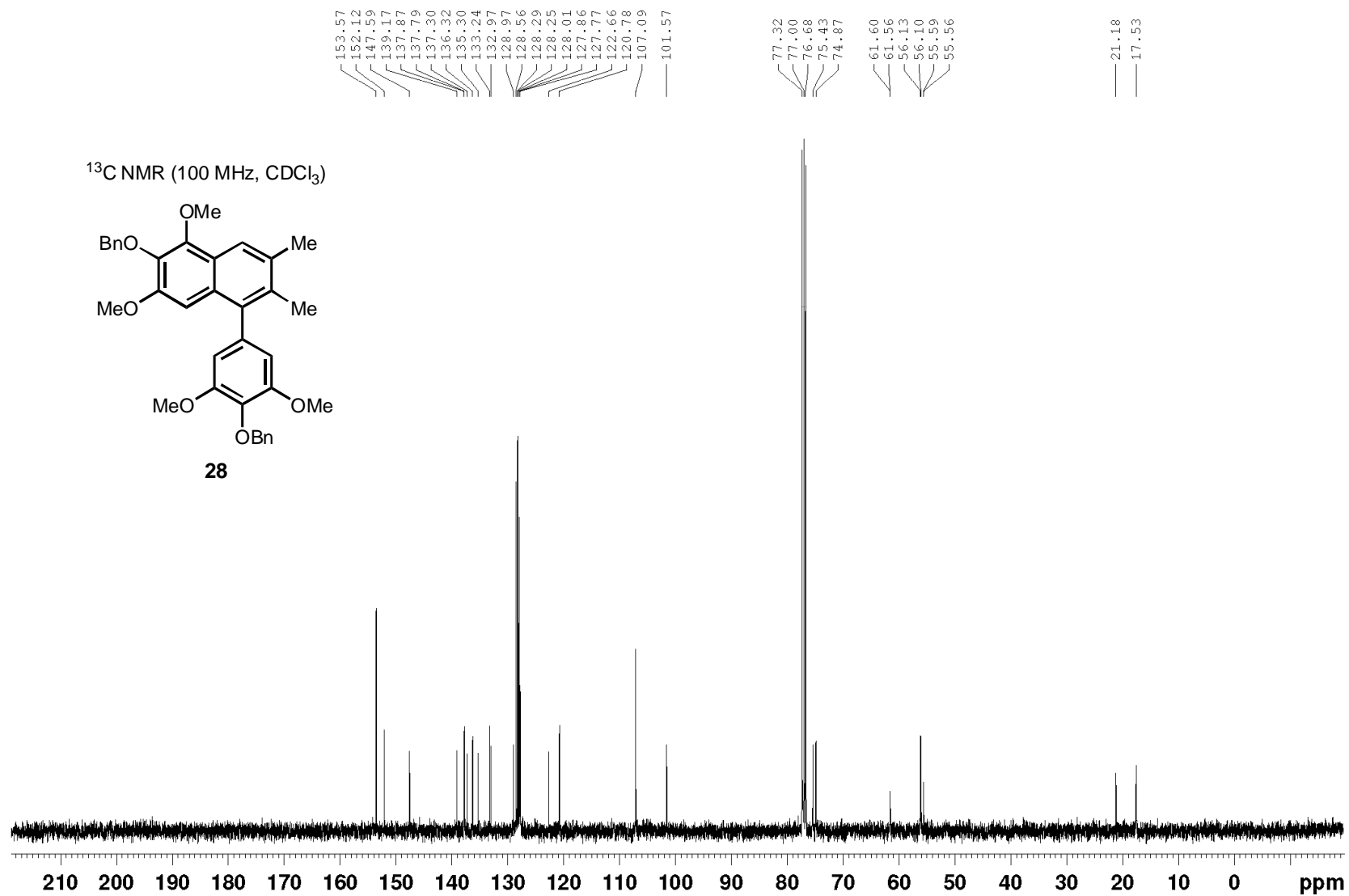


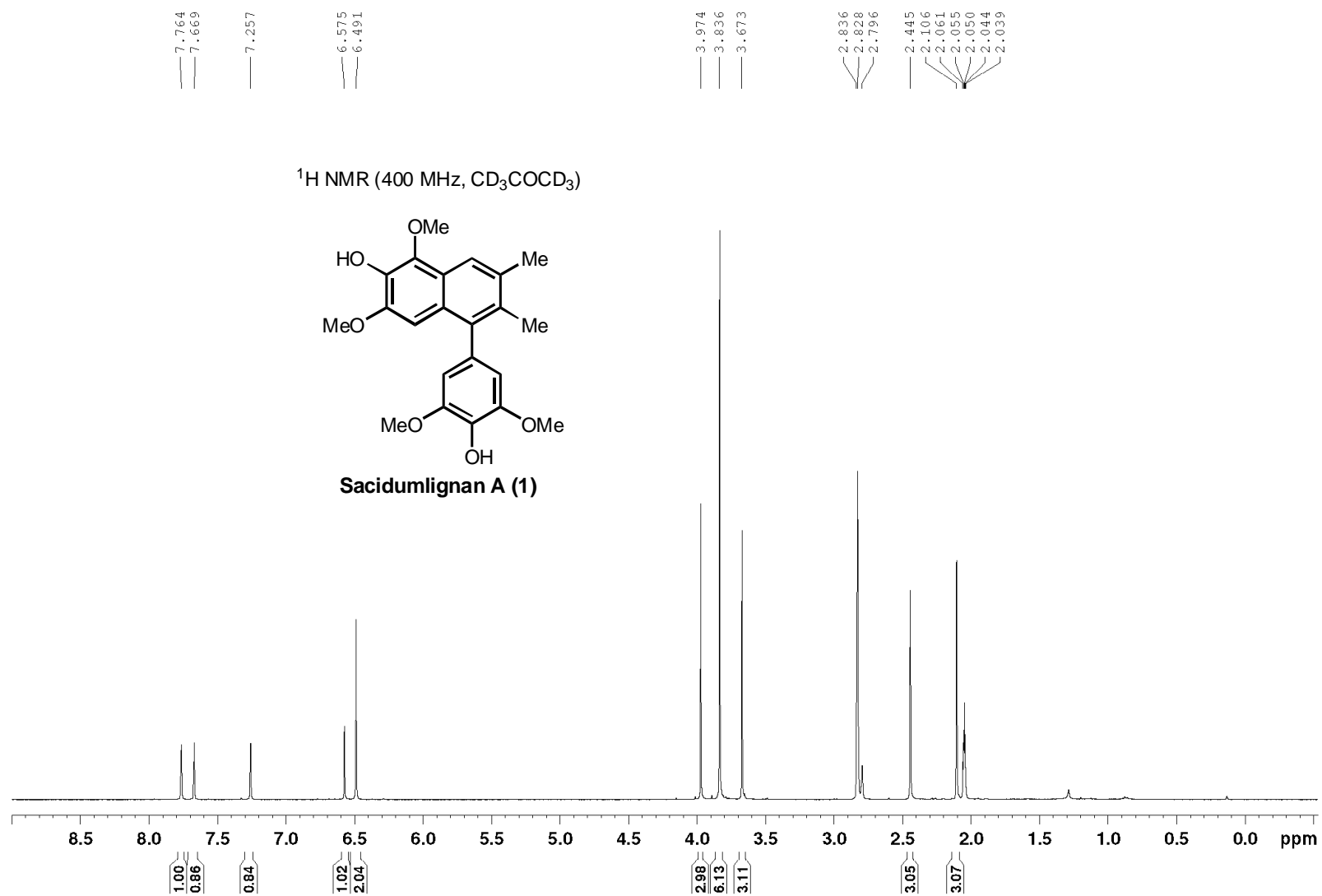


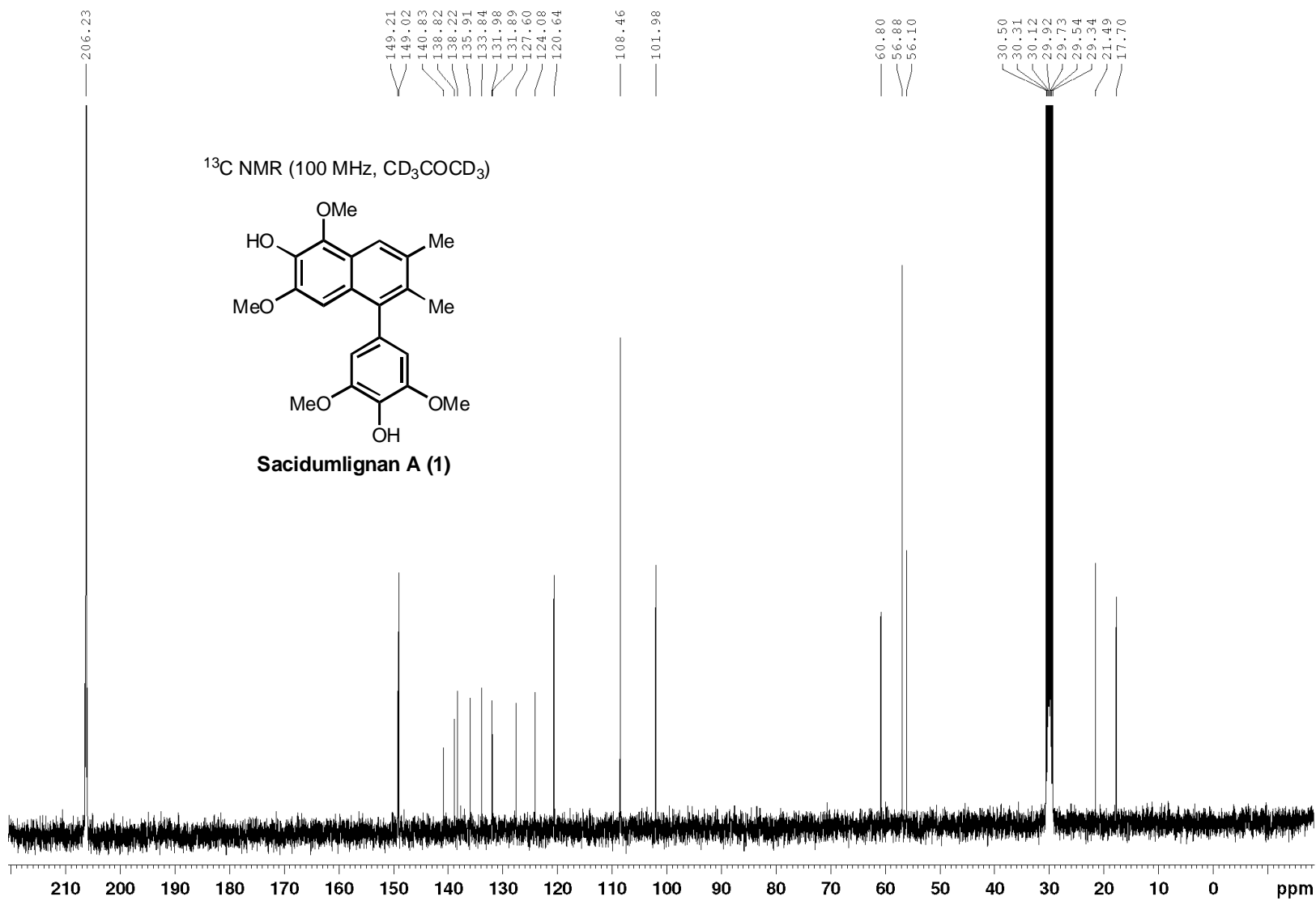












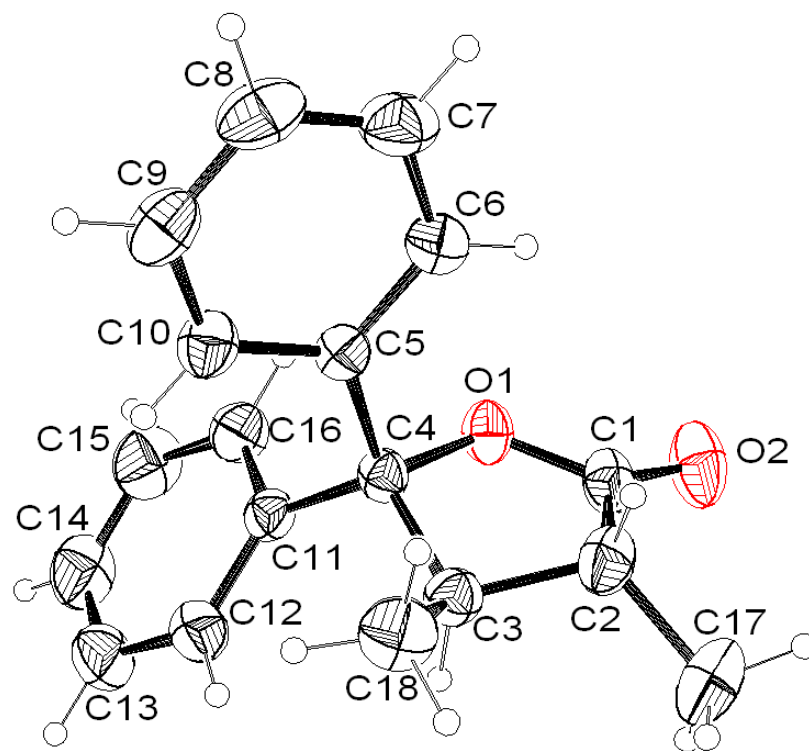


Figure S1. The X-ray structure of **9** with thermal ellipsoids at 30% probability.

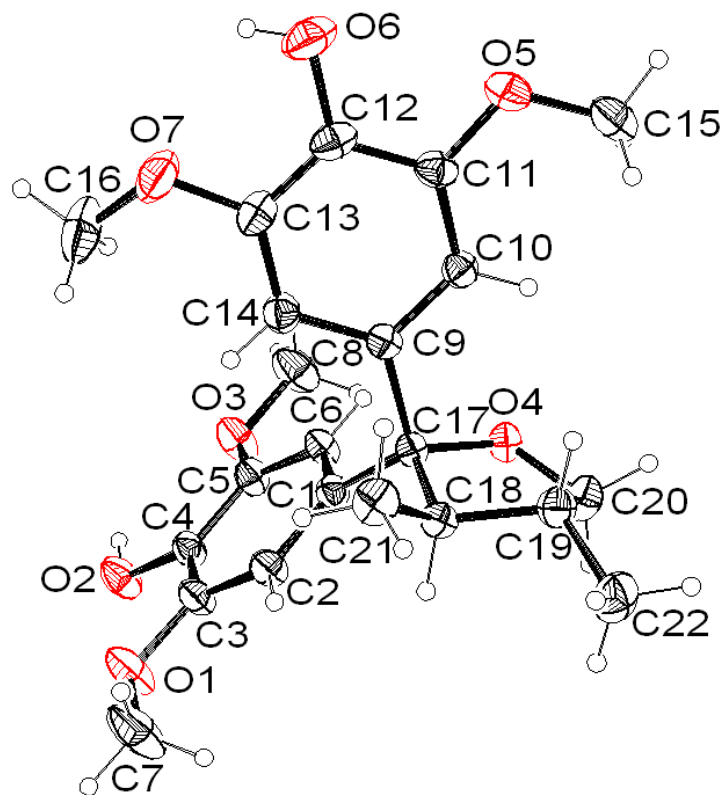


Figure S2. The X-ray structure of (\pm)-Sacidumligna D (**4**) with thermal ellipsoids at 30% probability.

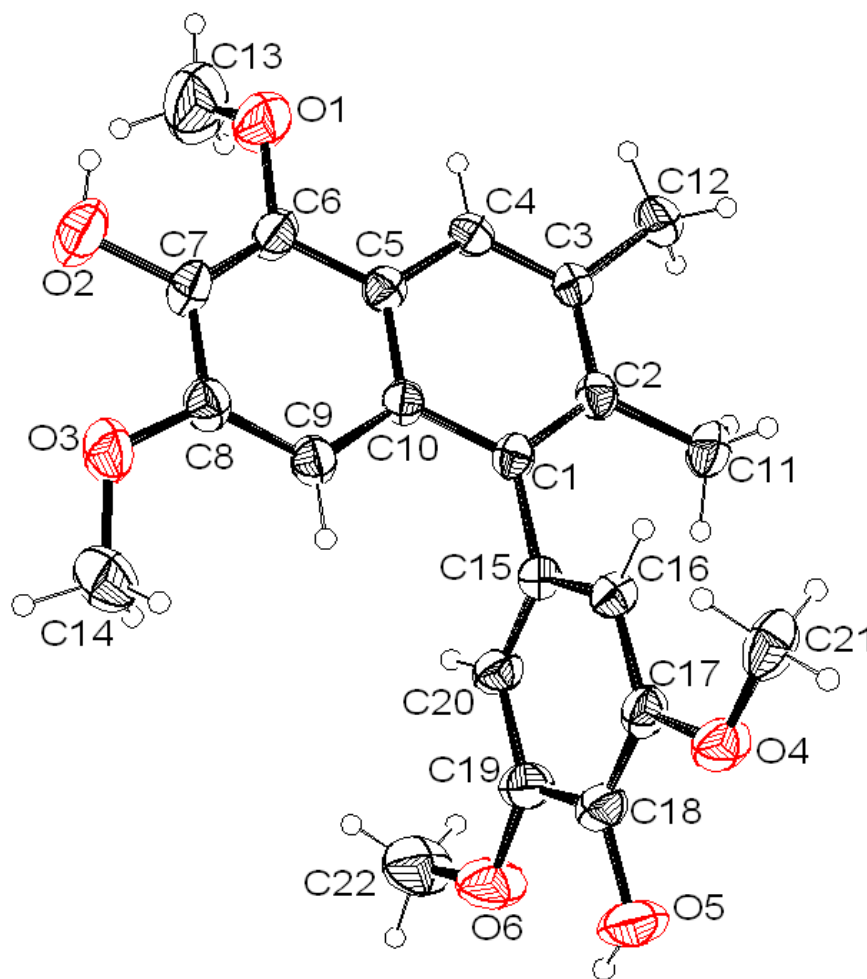


Figure S3. The X-ray structure of **Sacidumligna A (1)** with thermal ellipsoids at 30% probability.