Supplementary Information (SI) for RSC Advances.
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Supplemental material for:

Total Synthesis of Bicyclomahanimbine by Cu(II)-Promoted Photoredox Process

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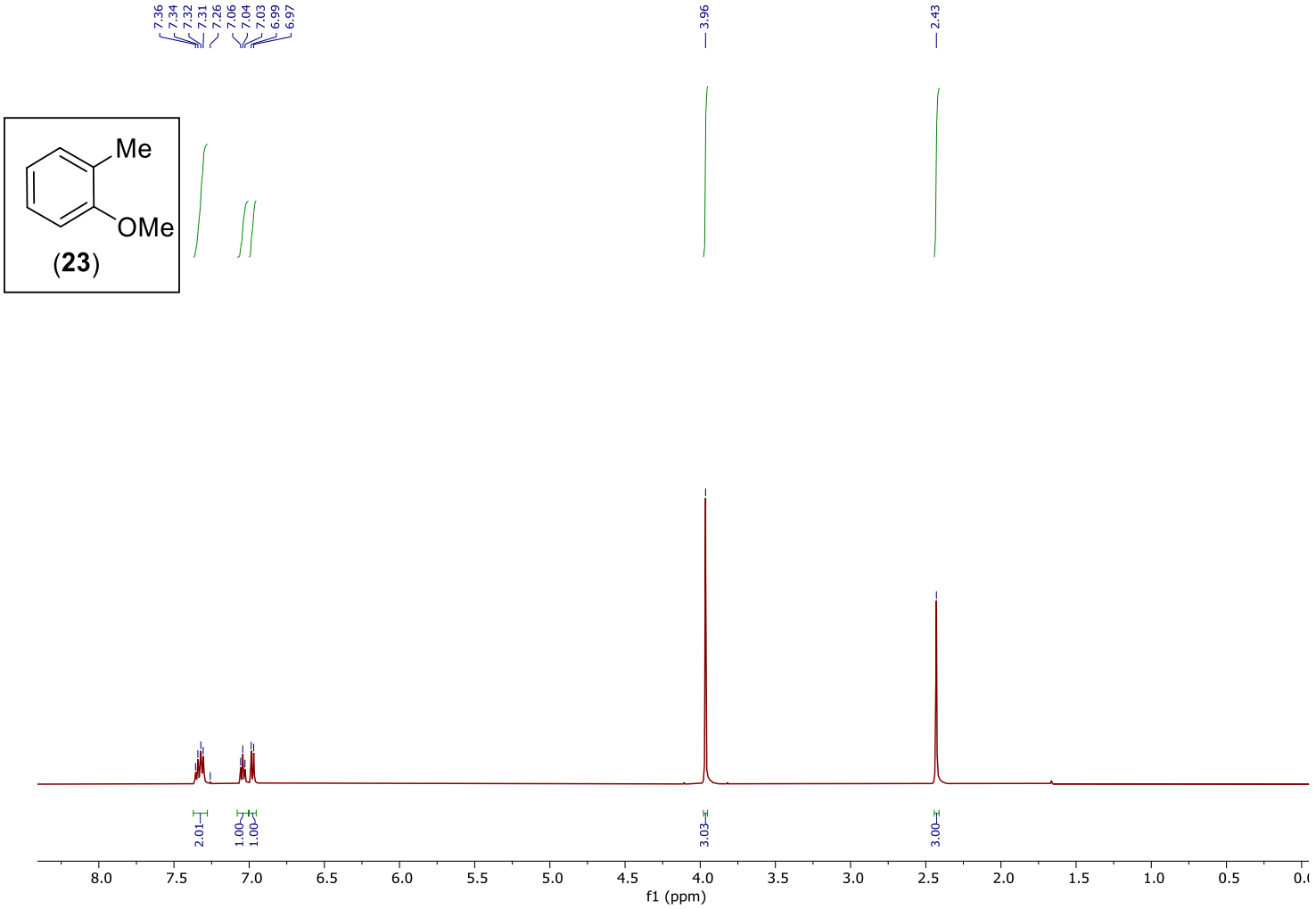
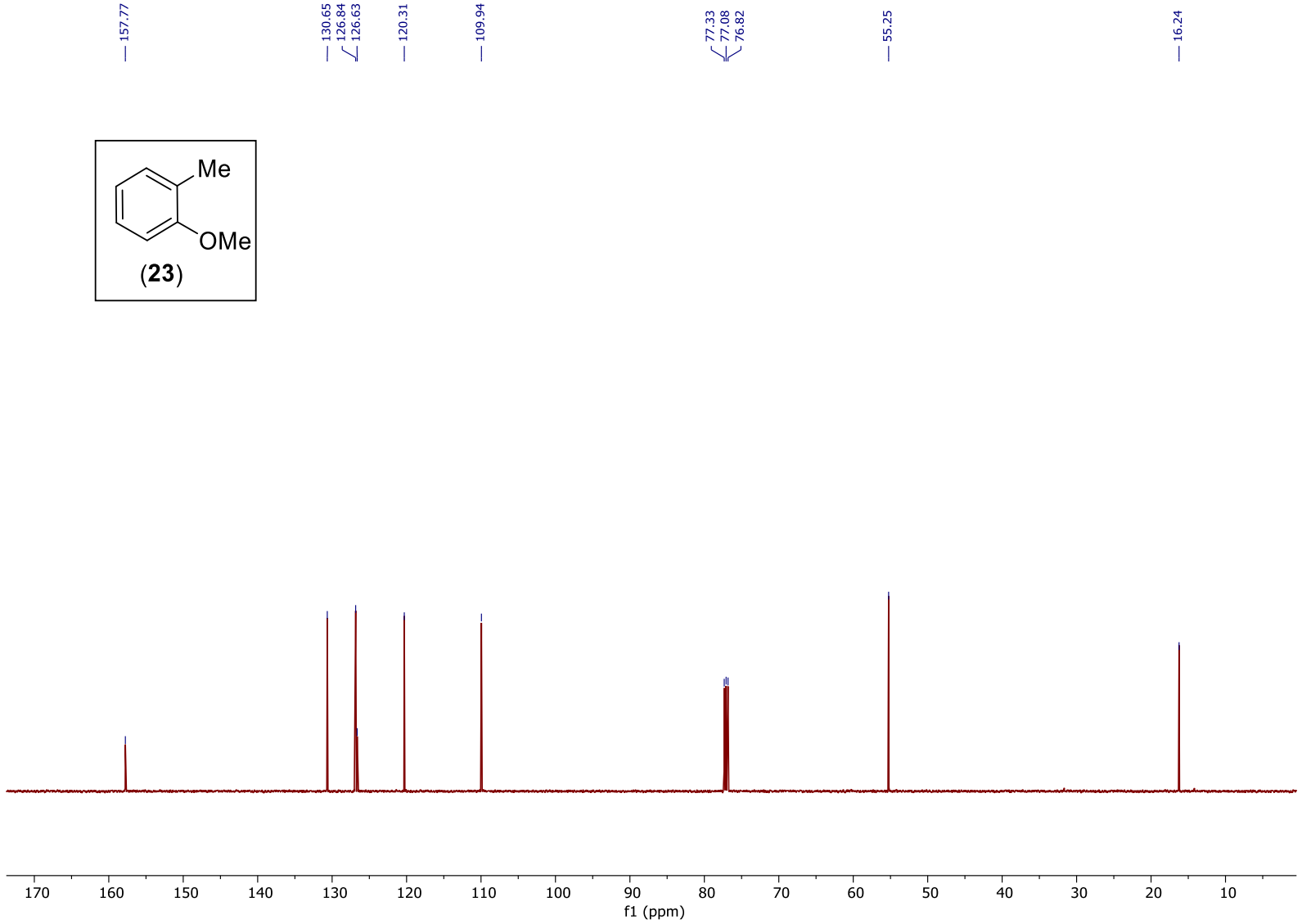
^{1}H-NMR, ^{13}C-NMR and Spectral Traces S02 – S44

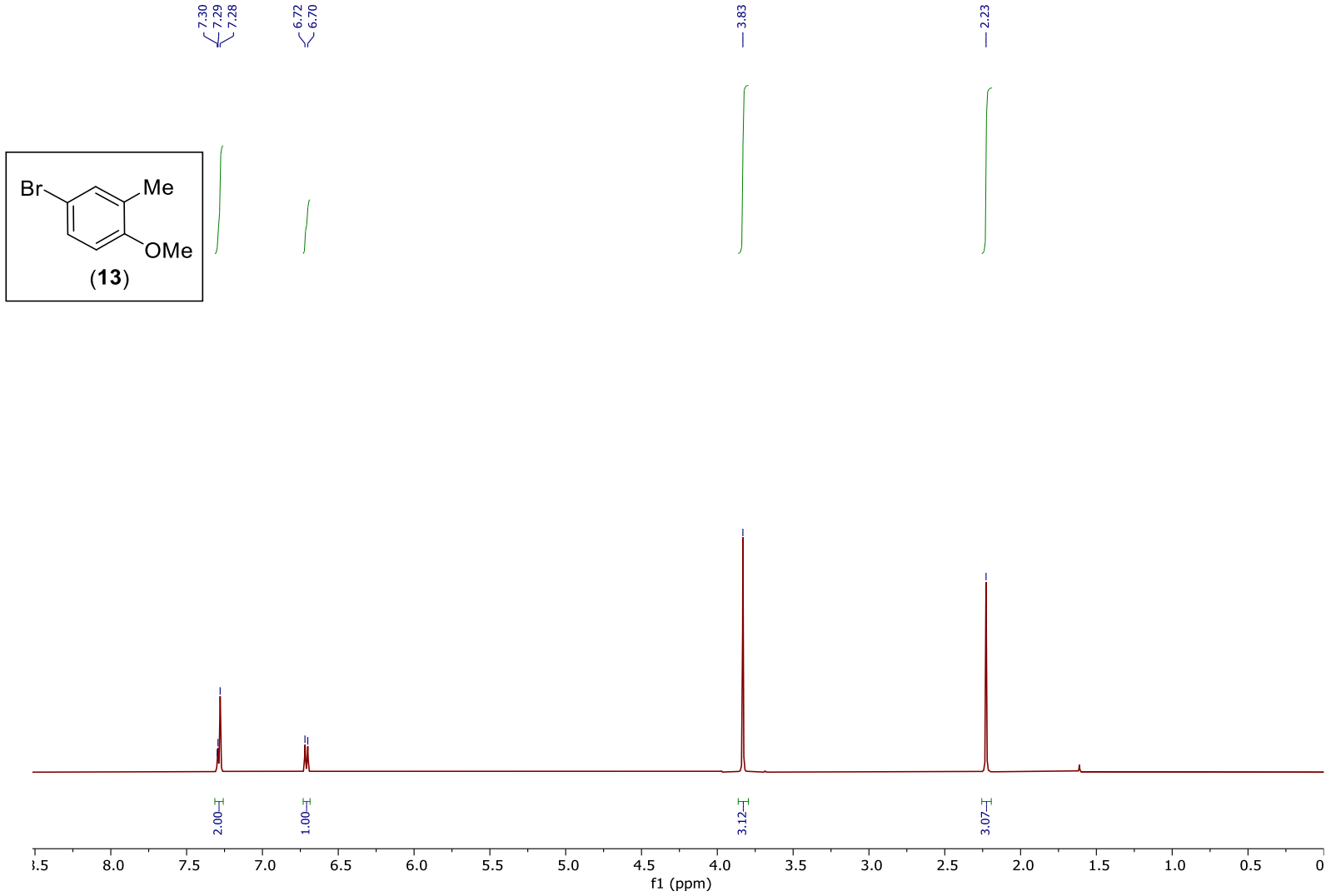
Spectral Data



^{1}H NMR (500 MHz, $CDCl_3$) of **23**



^{13}C NMR (500 MHz, $CDCl_3$) of **23**



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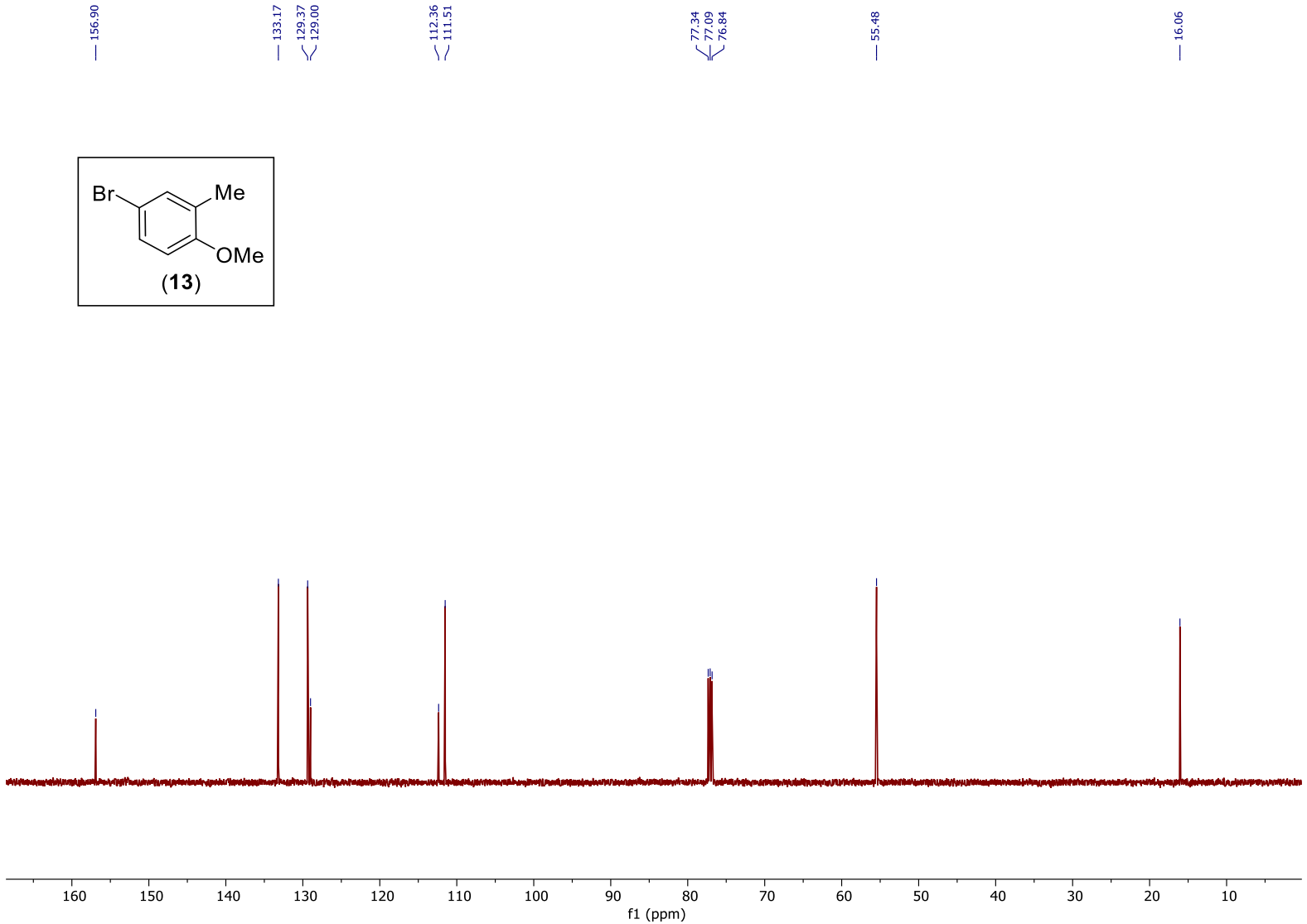
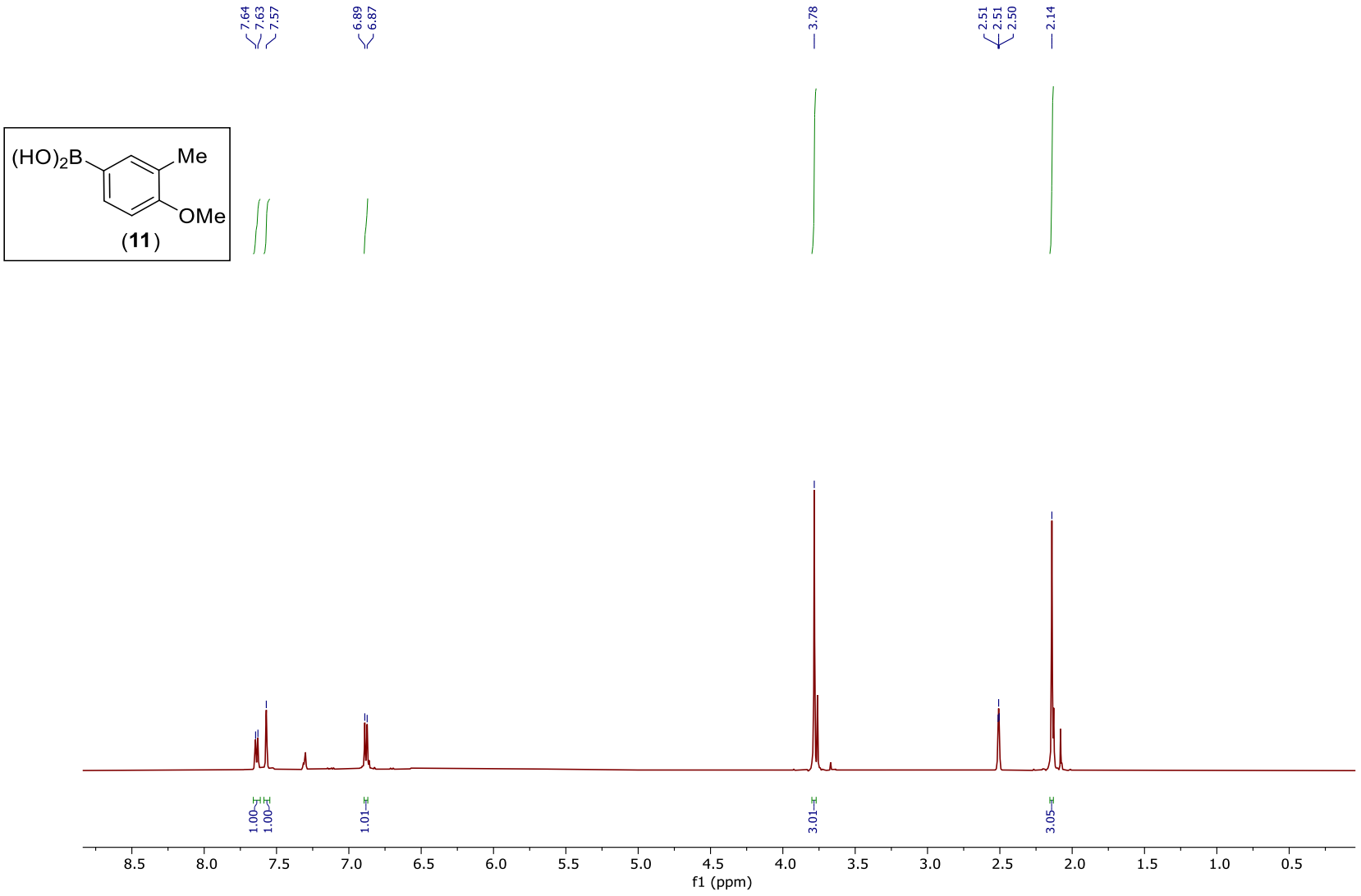
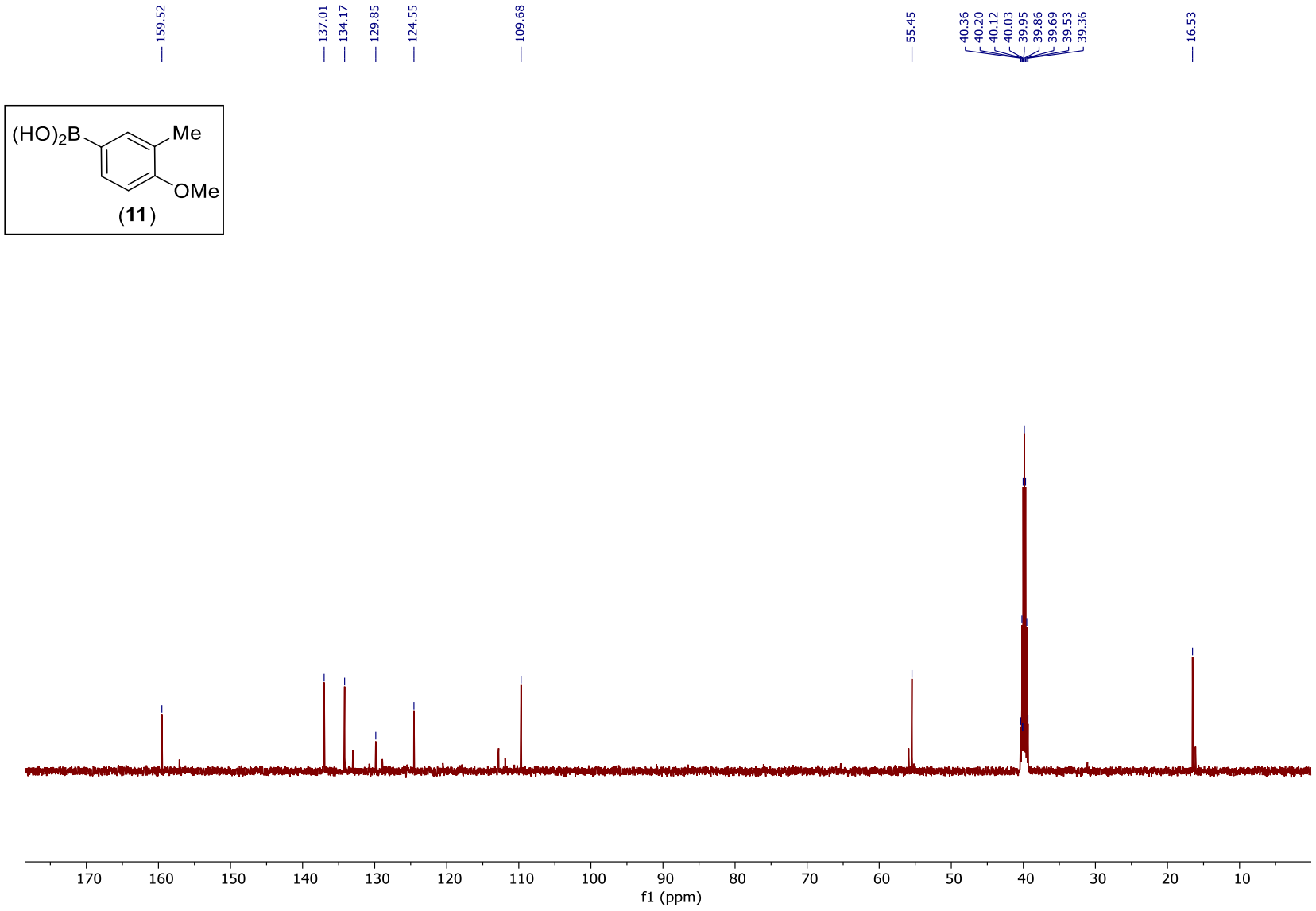


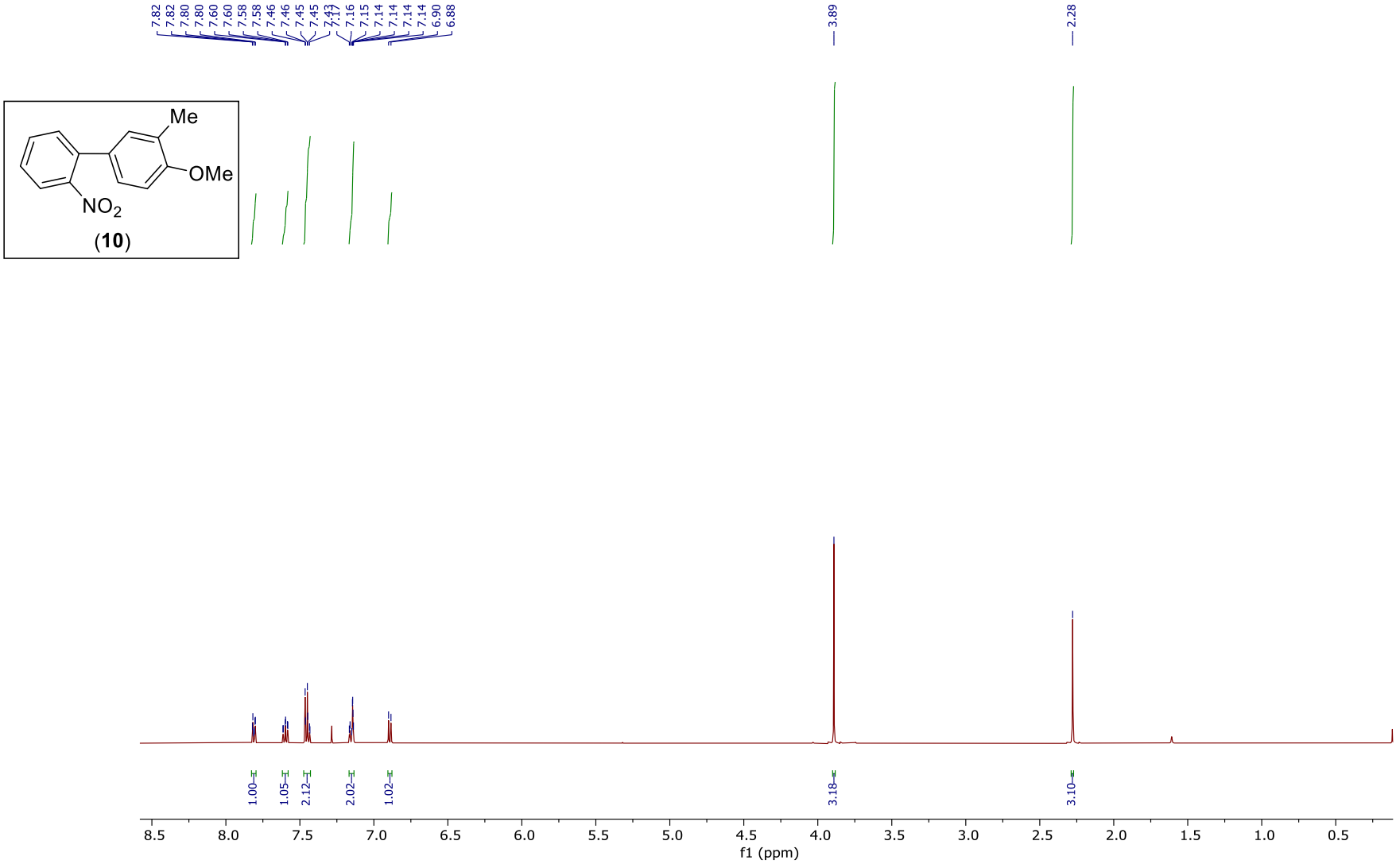
^{13}C NMR (125 MHz, $CDCl_3$) of **13**



^{1}H NMR (500 MHz, $CDCl_3$) of **11**



^{13}C NMR (126 MHz, $CDCl_3$) of **11**



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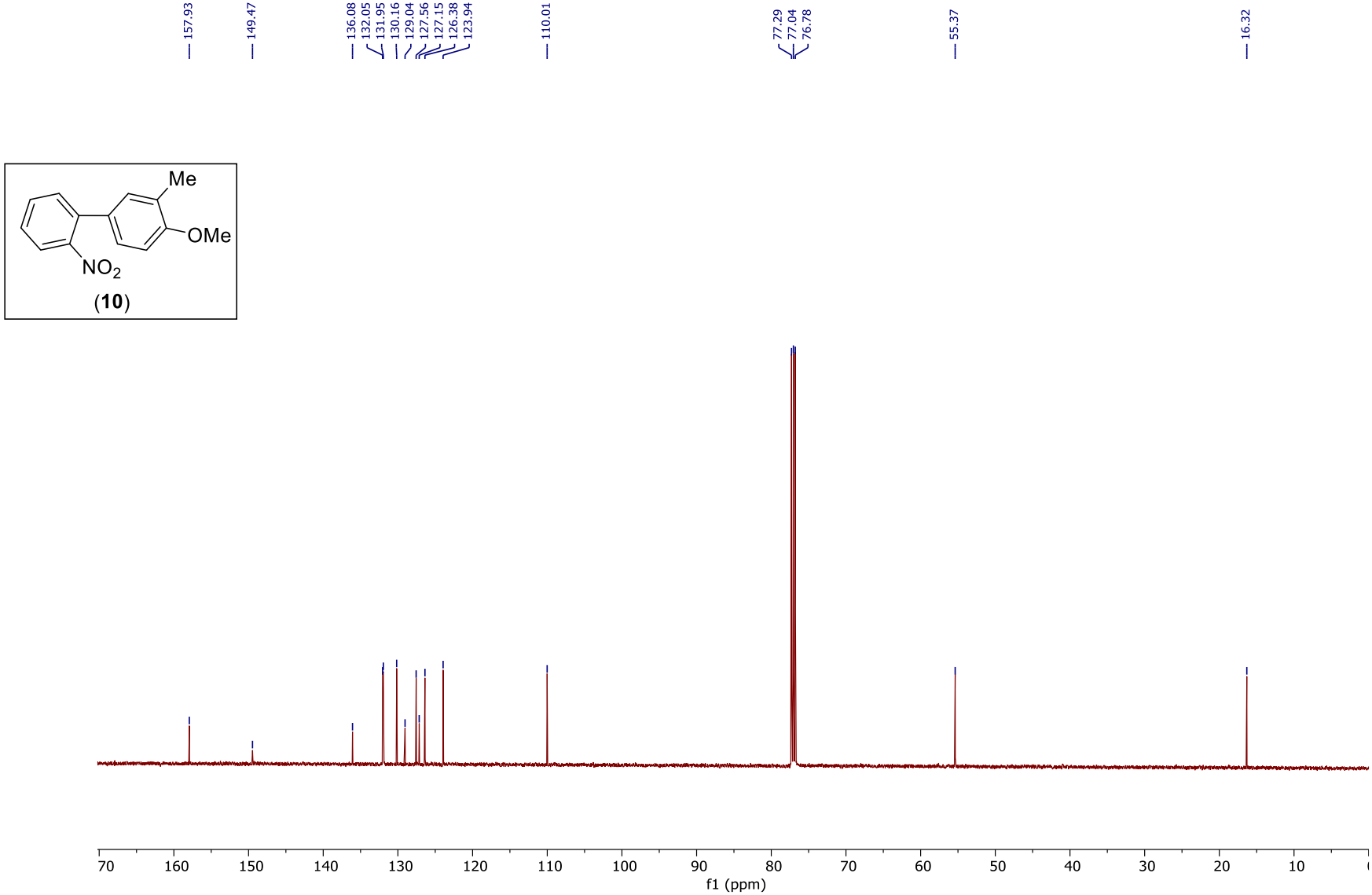
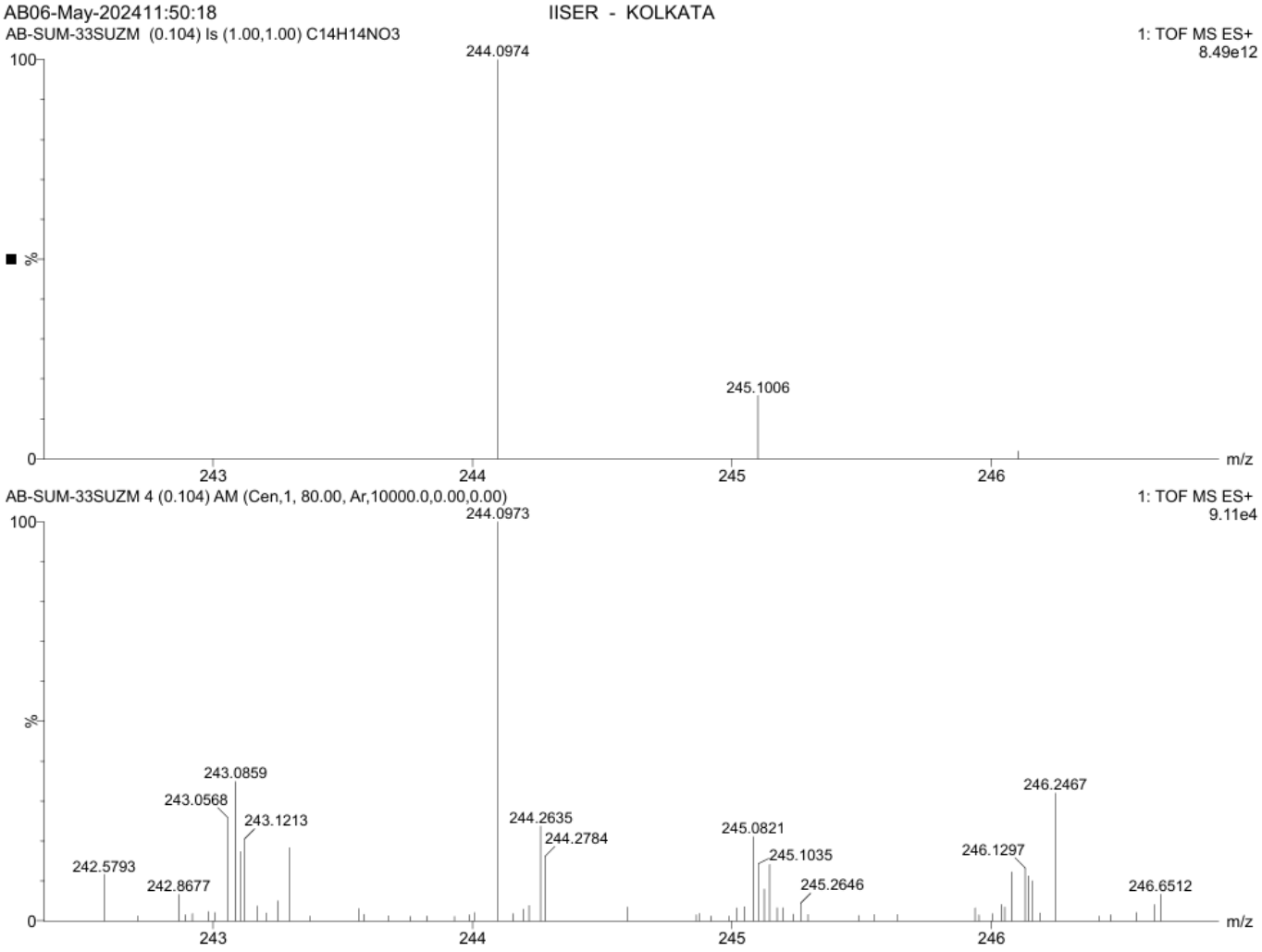


^{13}C NMR (126 MHz, $CDCl_3$) of **10**



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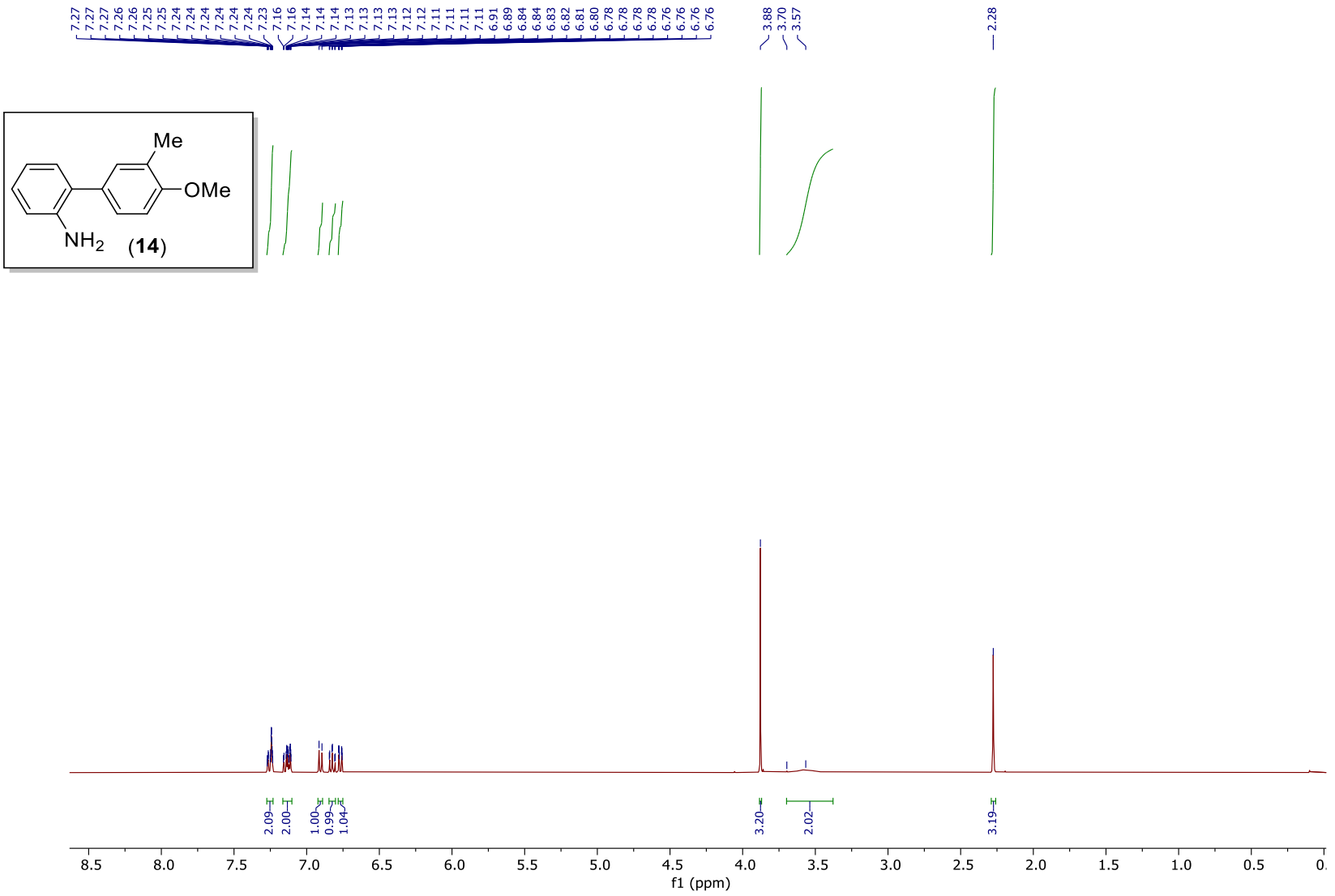
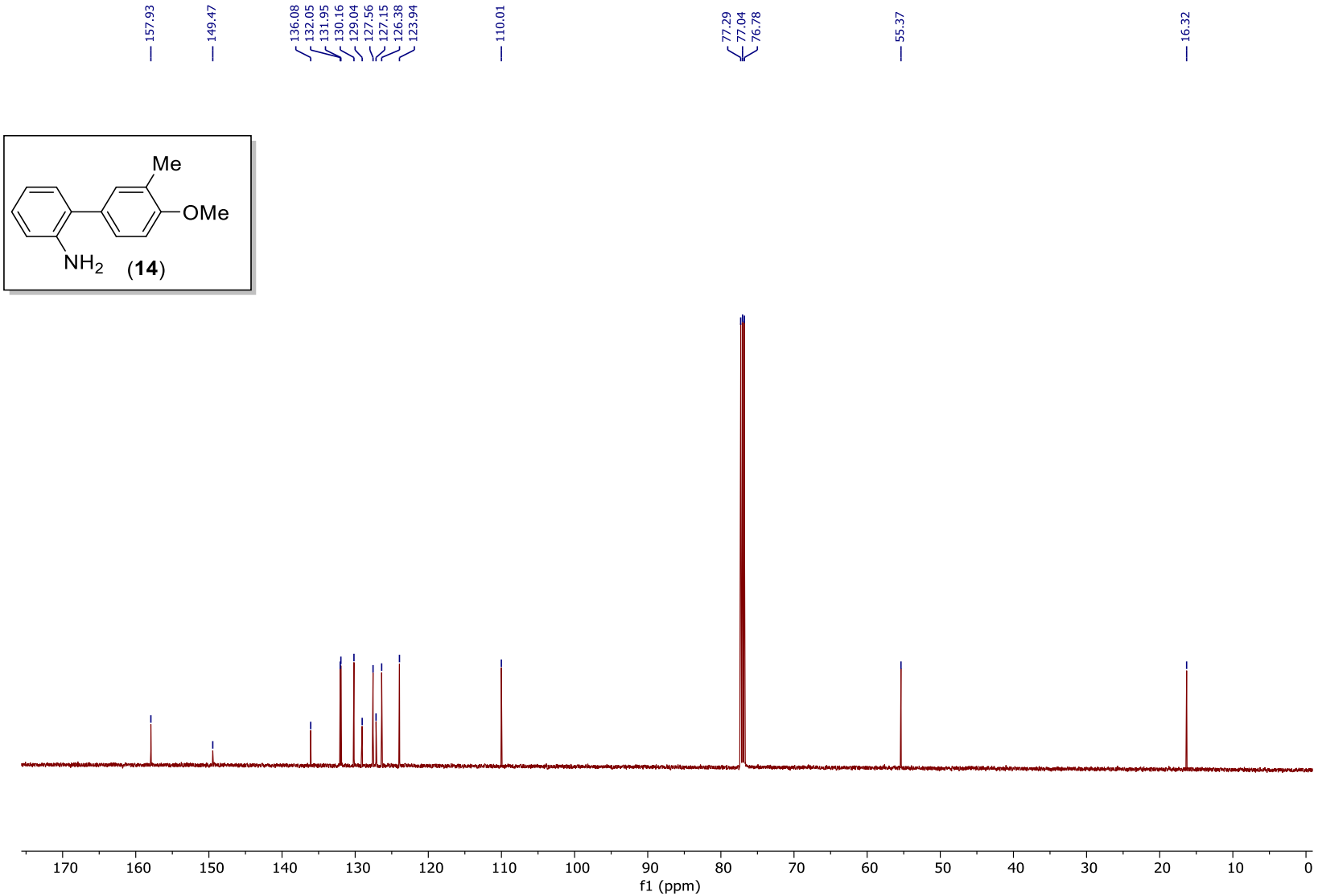


^{1}H NMR (400 MHz, $CDCl_3$) of **14**



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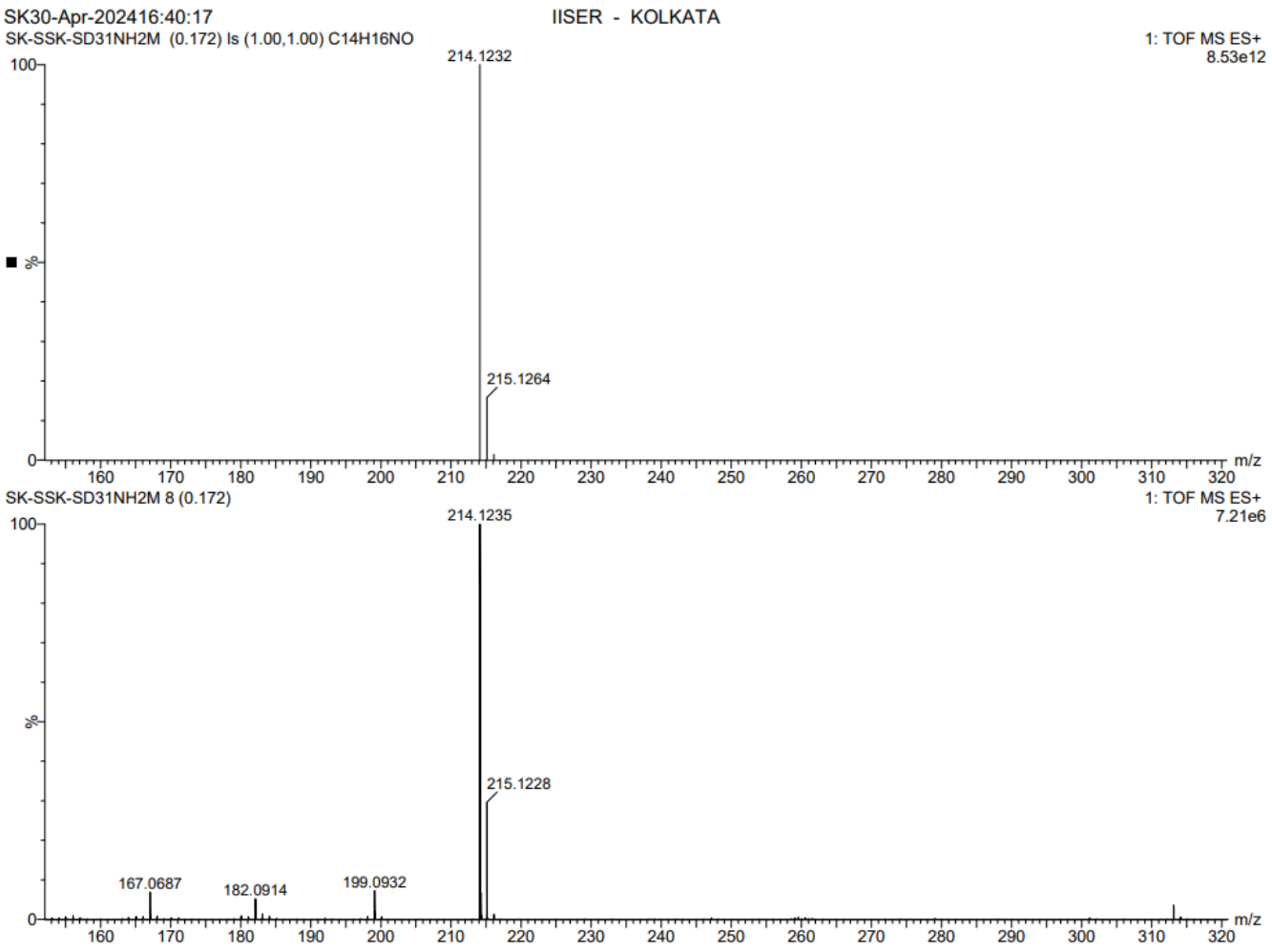

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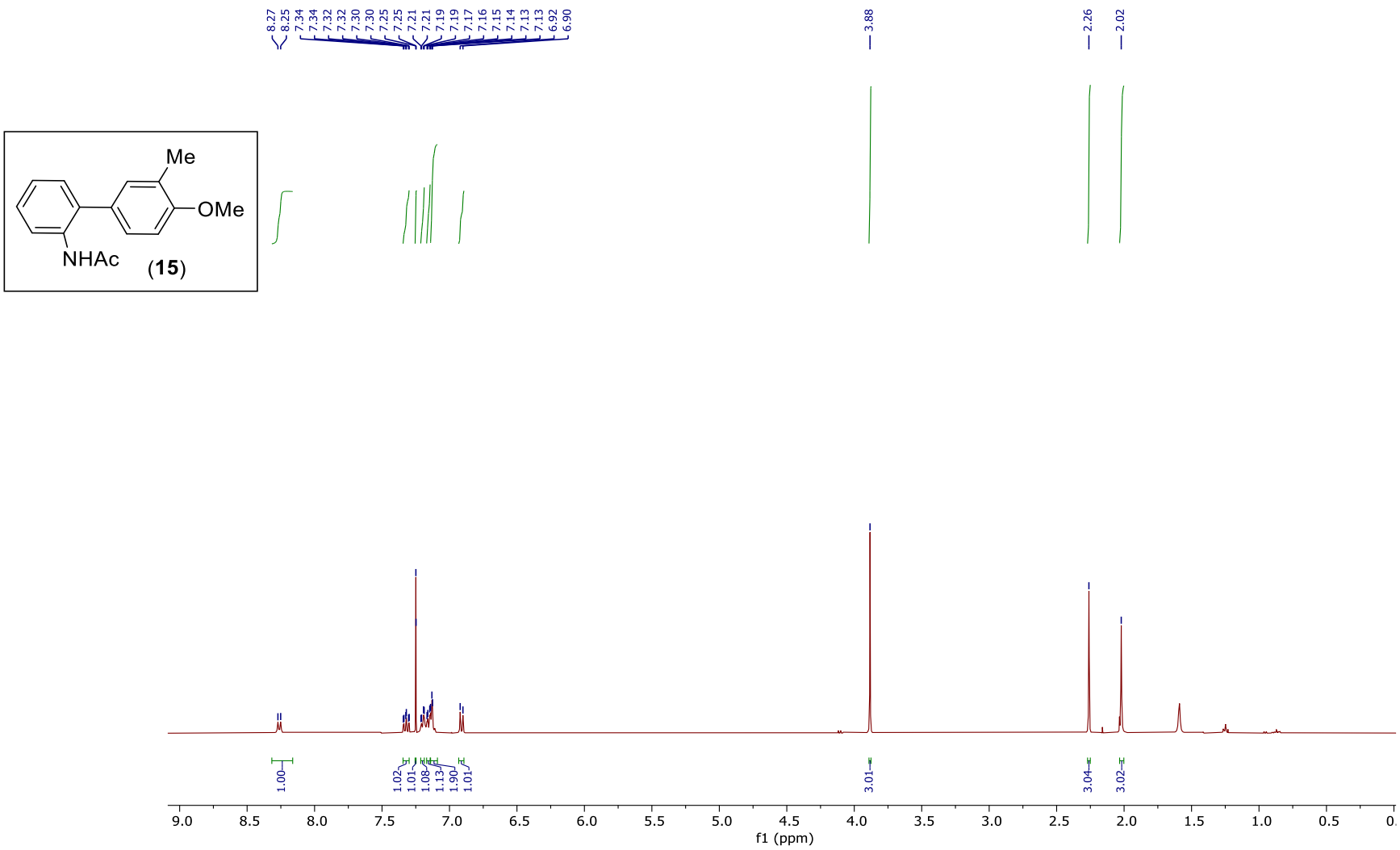
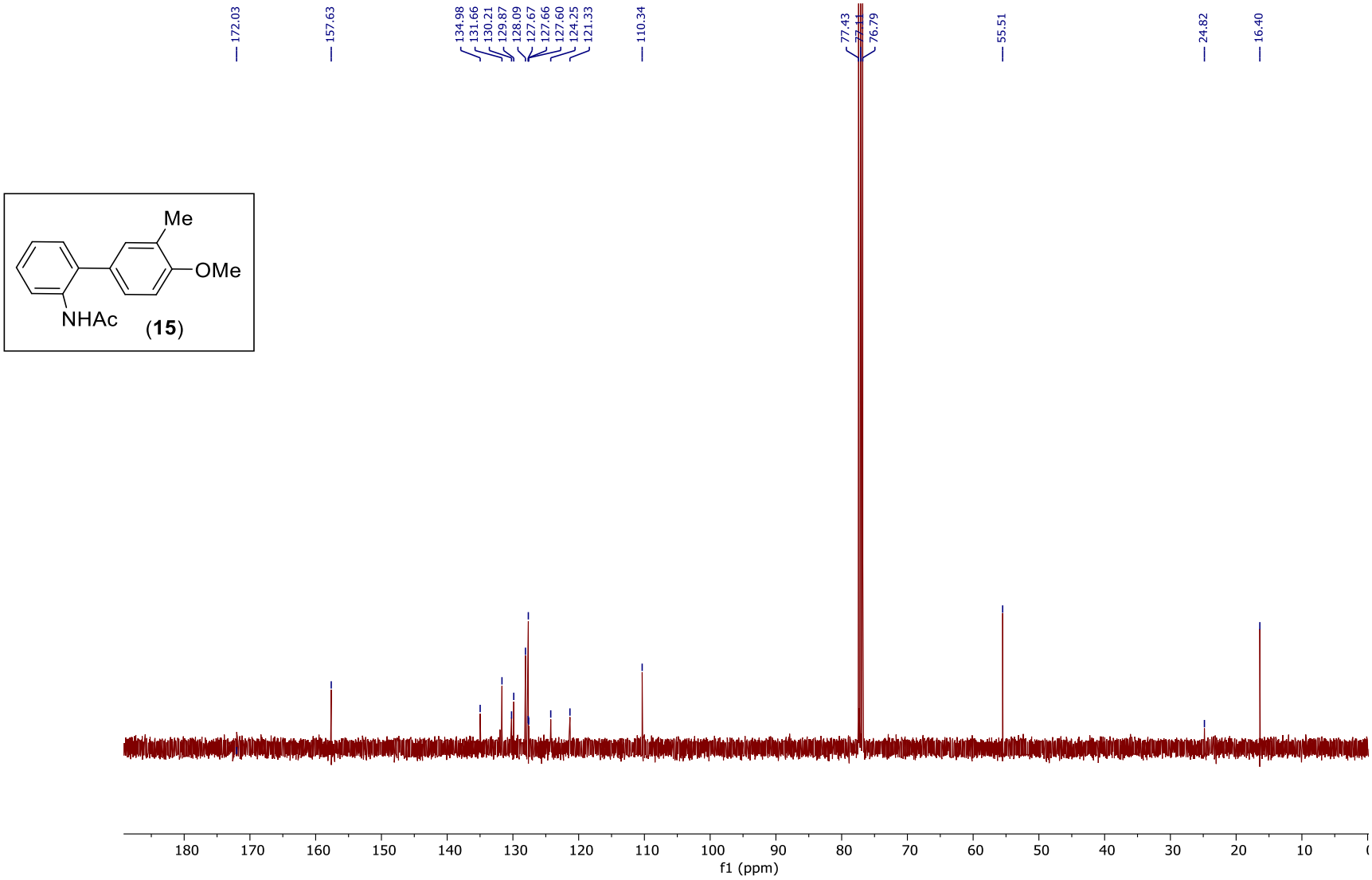
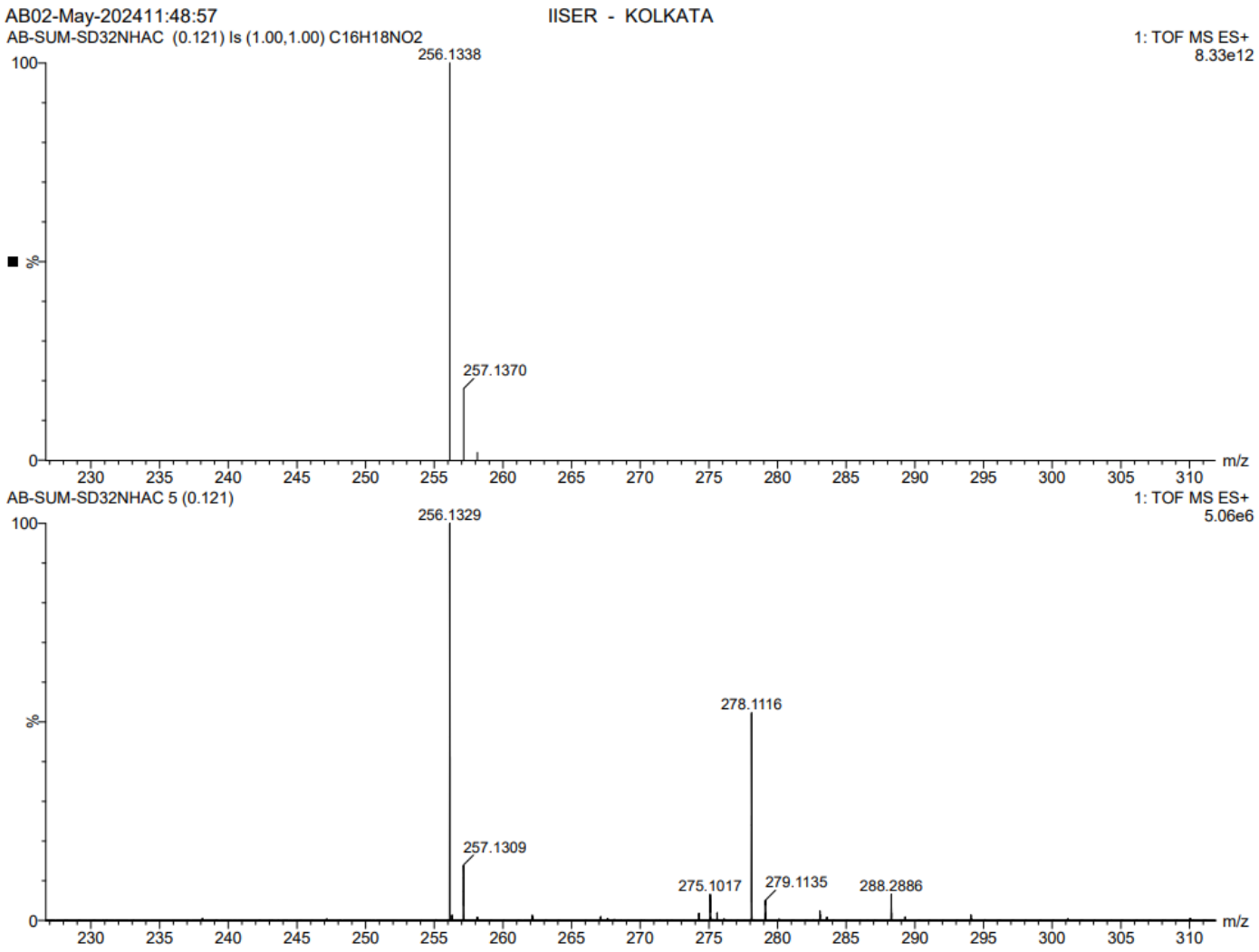


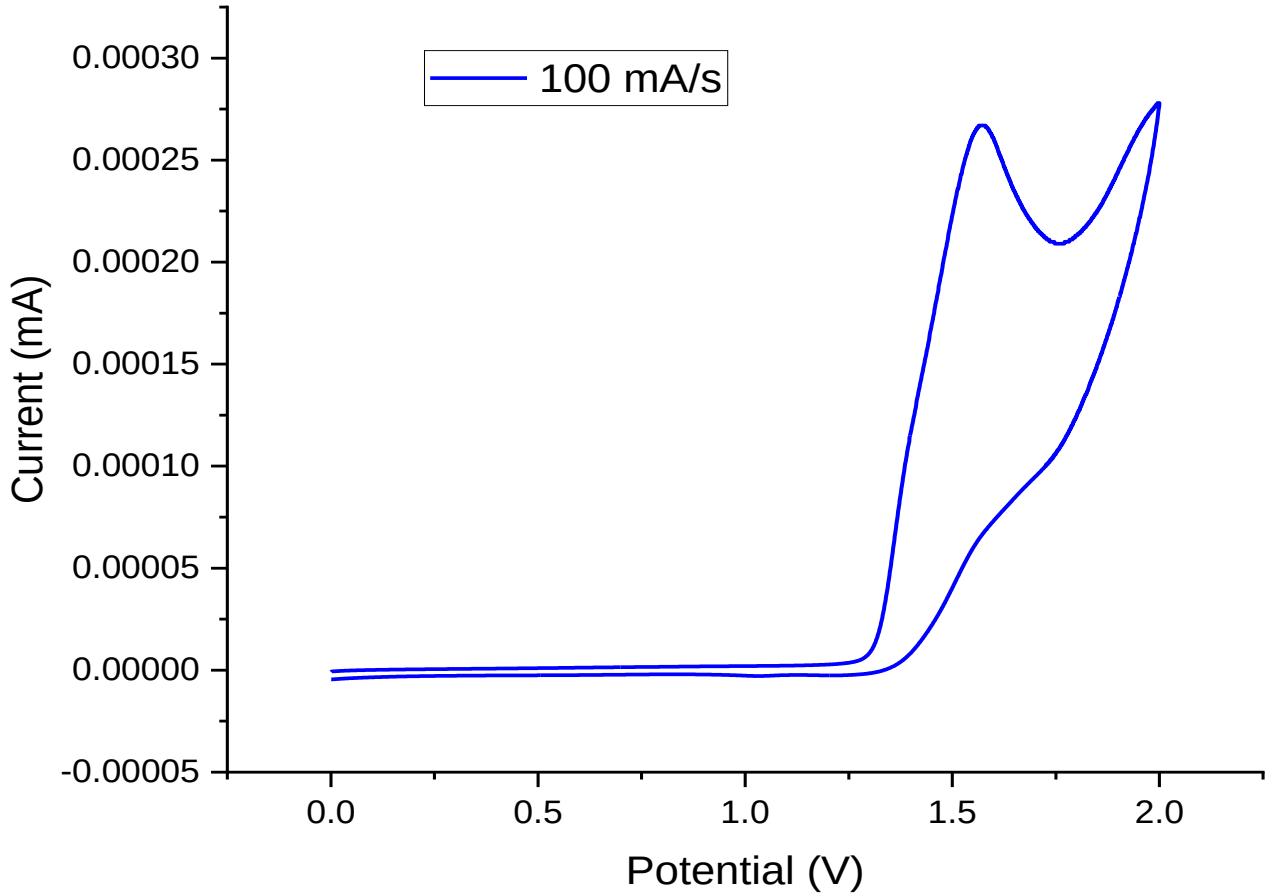
^{1}H NMR (400 MHz, $CDCl_3$) of **15**



^{13}C NMR (100 MHz, $CDCl_3$) of **15**



HRMS data of **15**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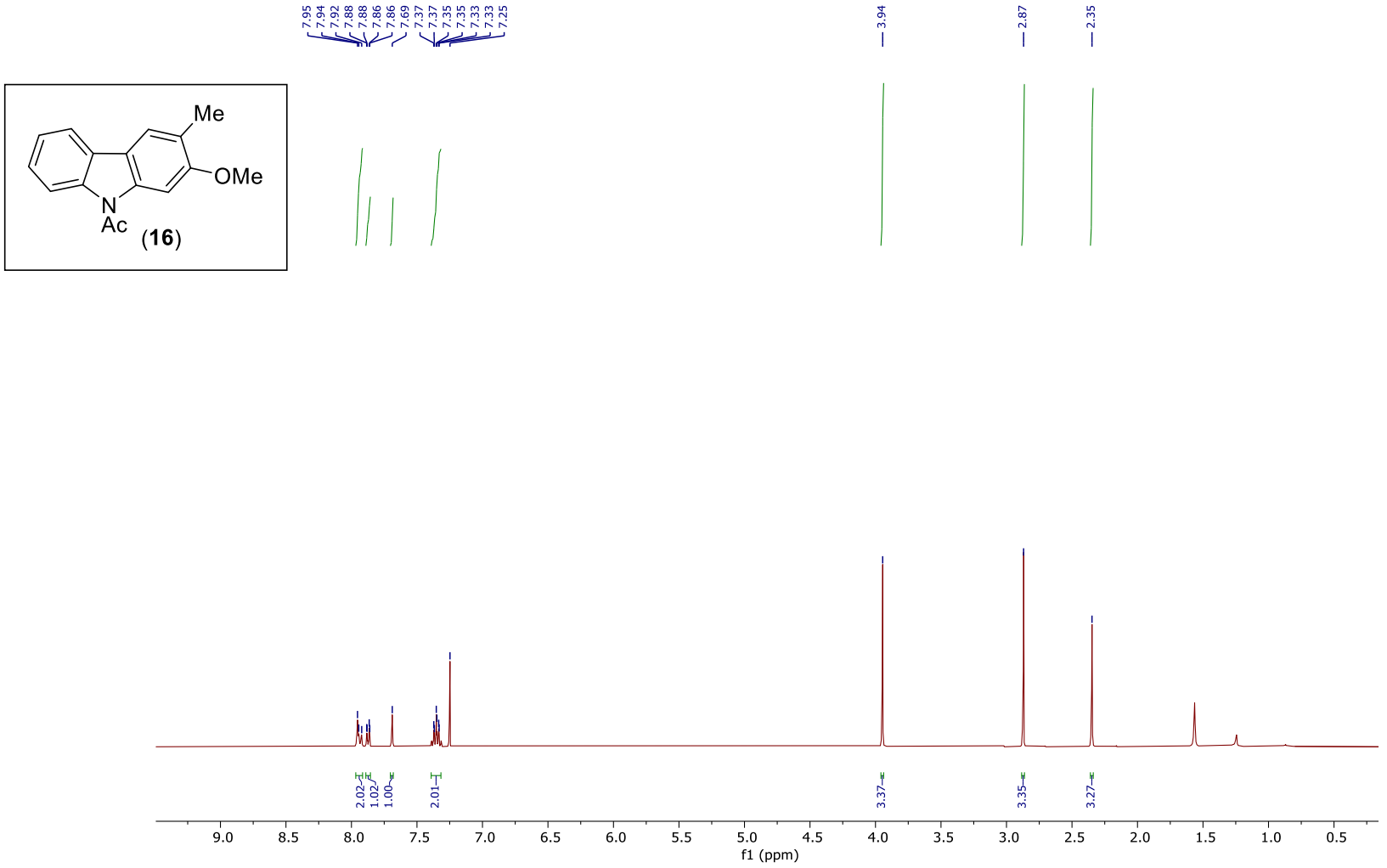
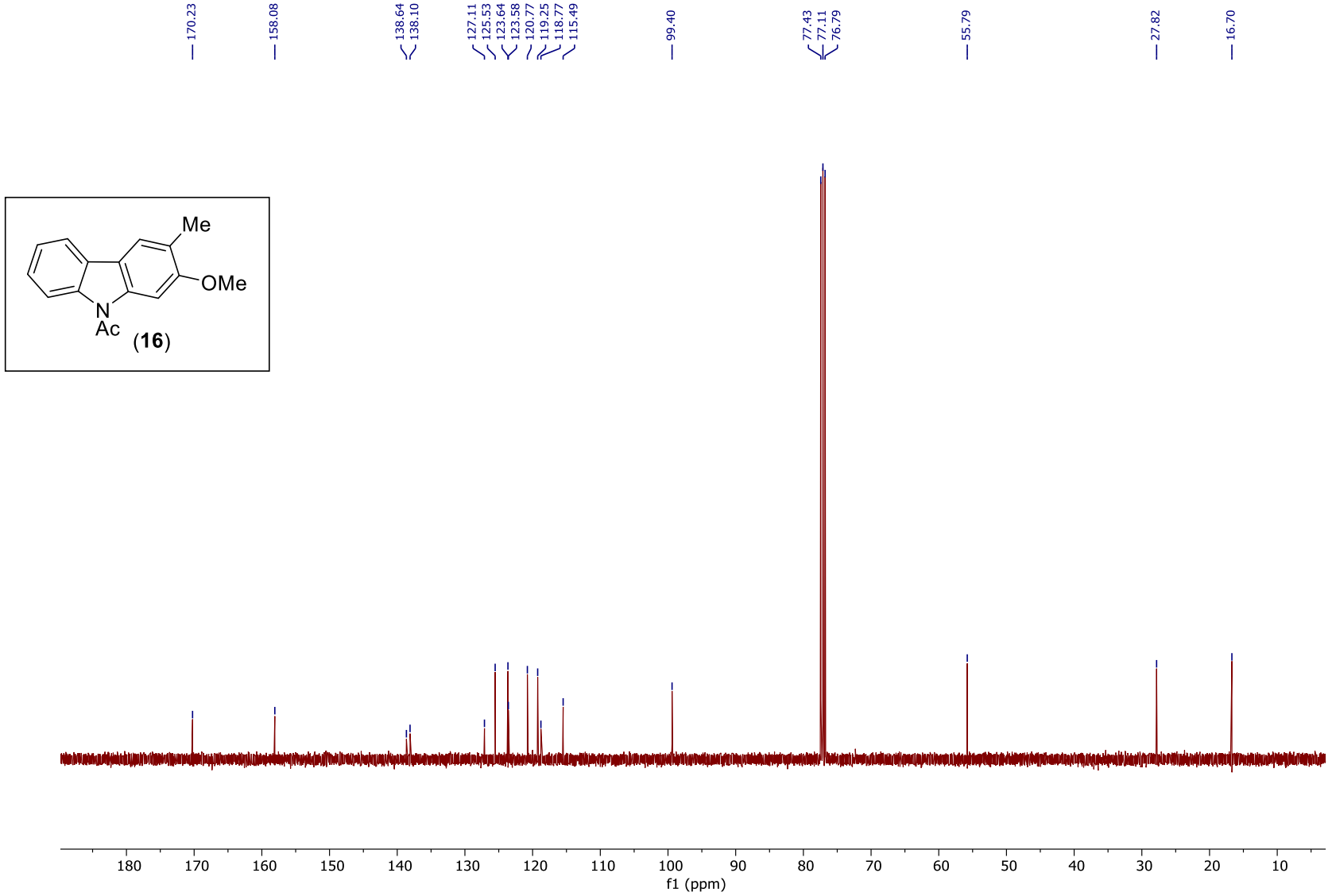
0.00030
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
-0.00005
Current (mA)
0.0
0.5
1.0
1.5
2.0
Potential (V)

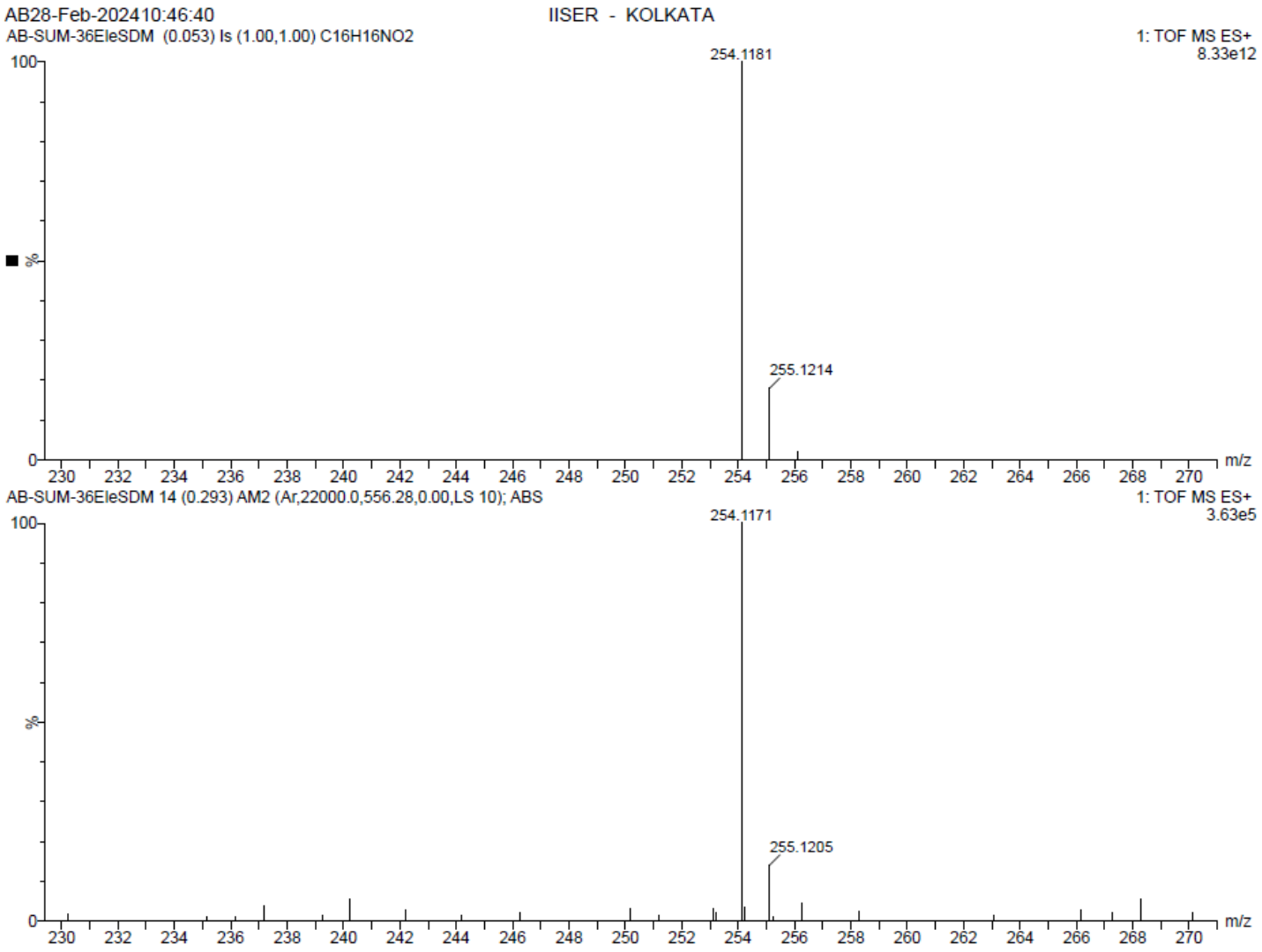
CV data of **15**



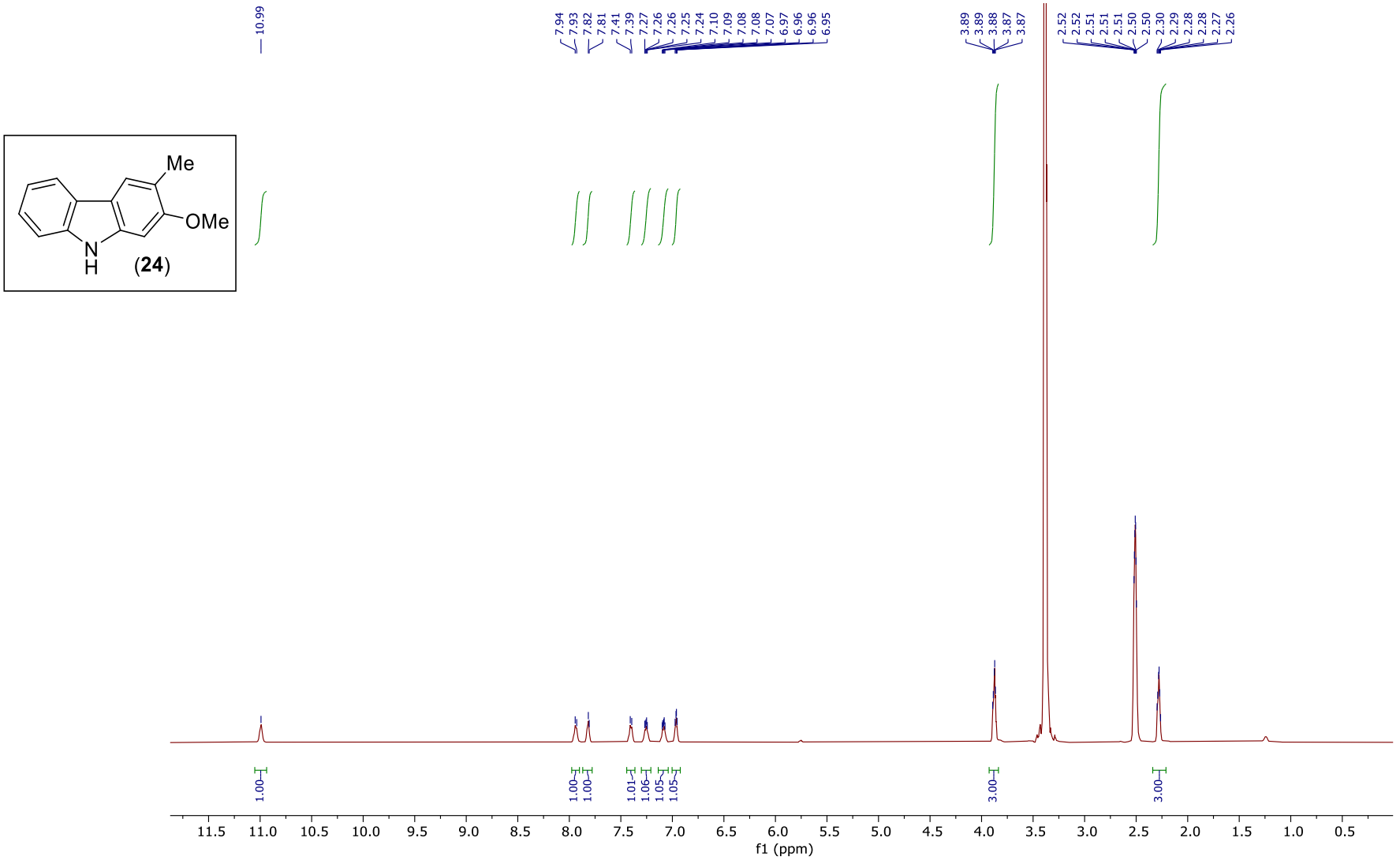
^{1}H NMR (400 MHz, $CDCl_3$) of **16**



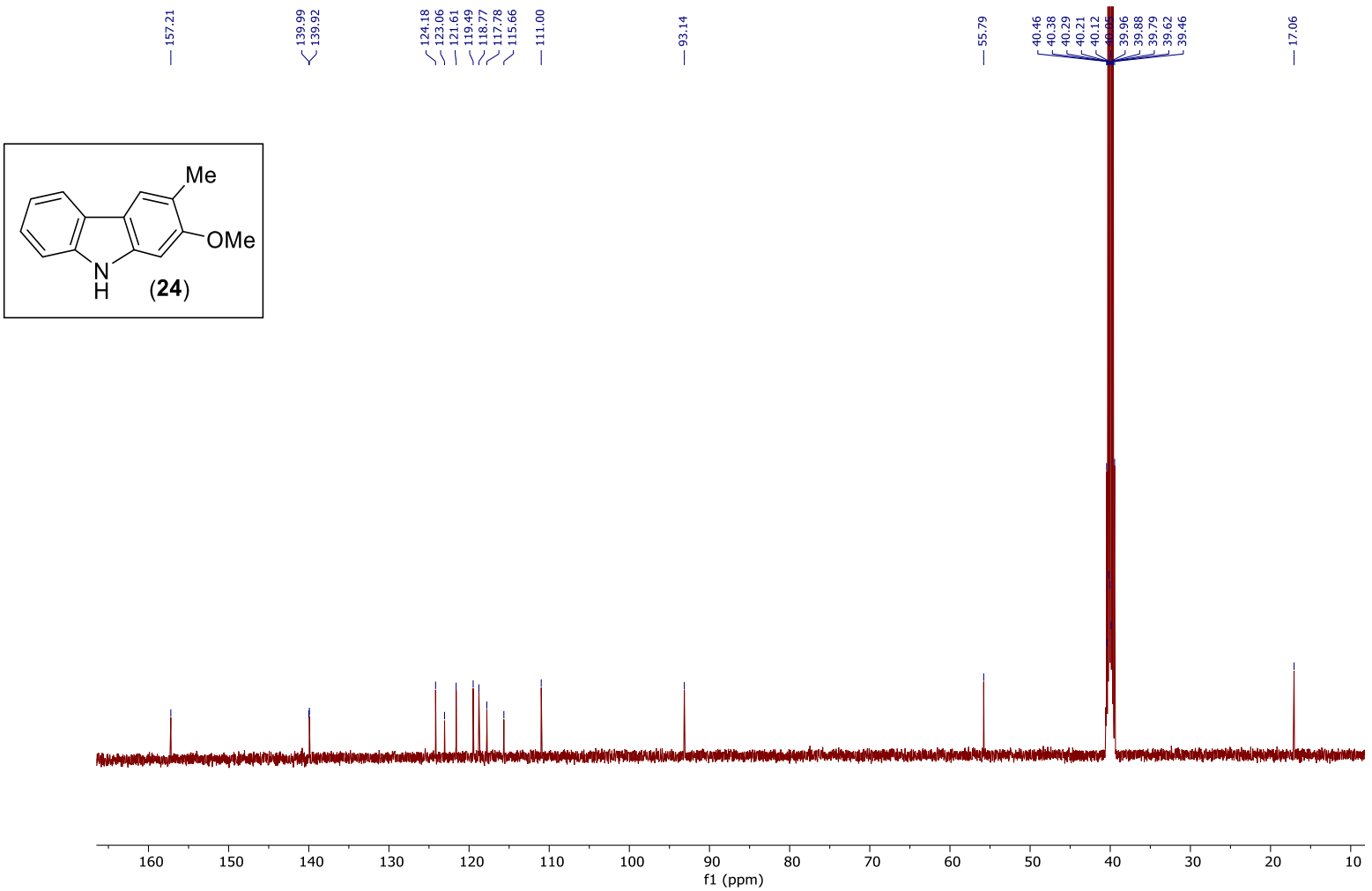
^{13}C NMR (100 MHz, $CDCl_3$) of **16**



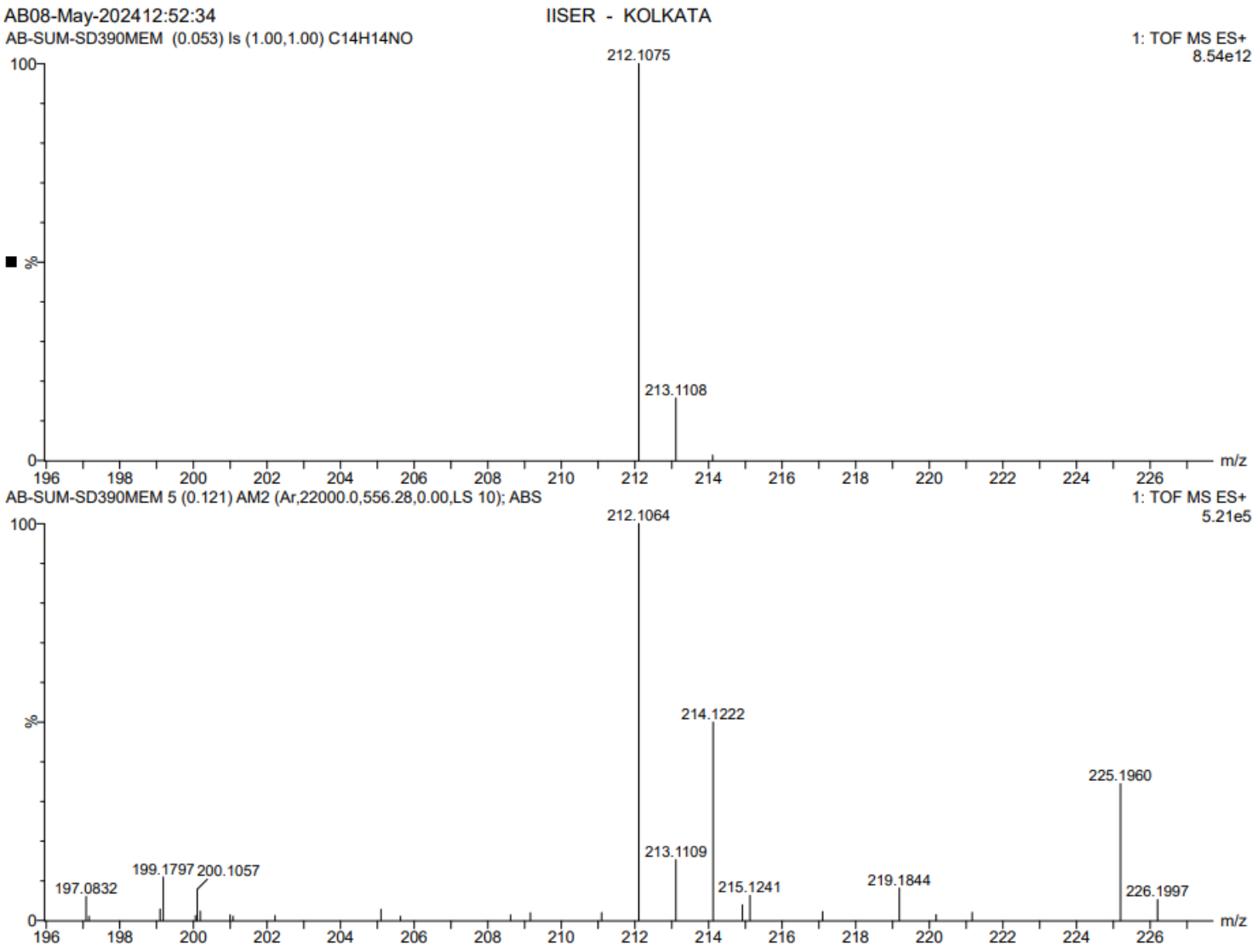
HRMS data of **16**



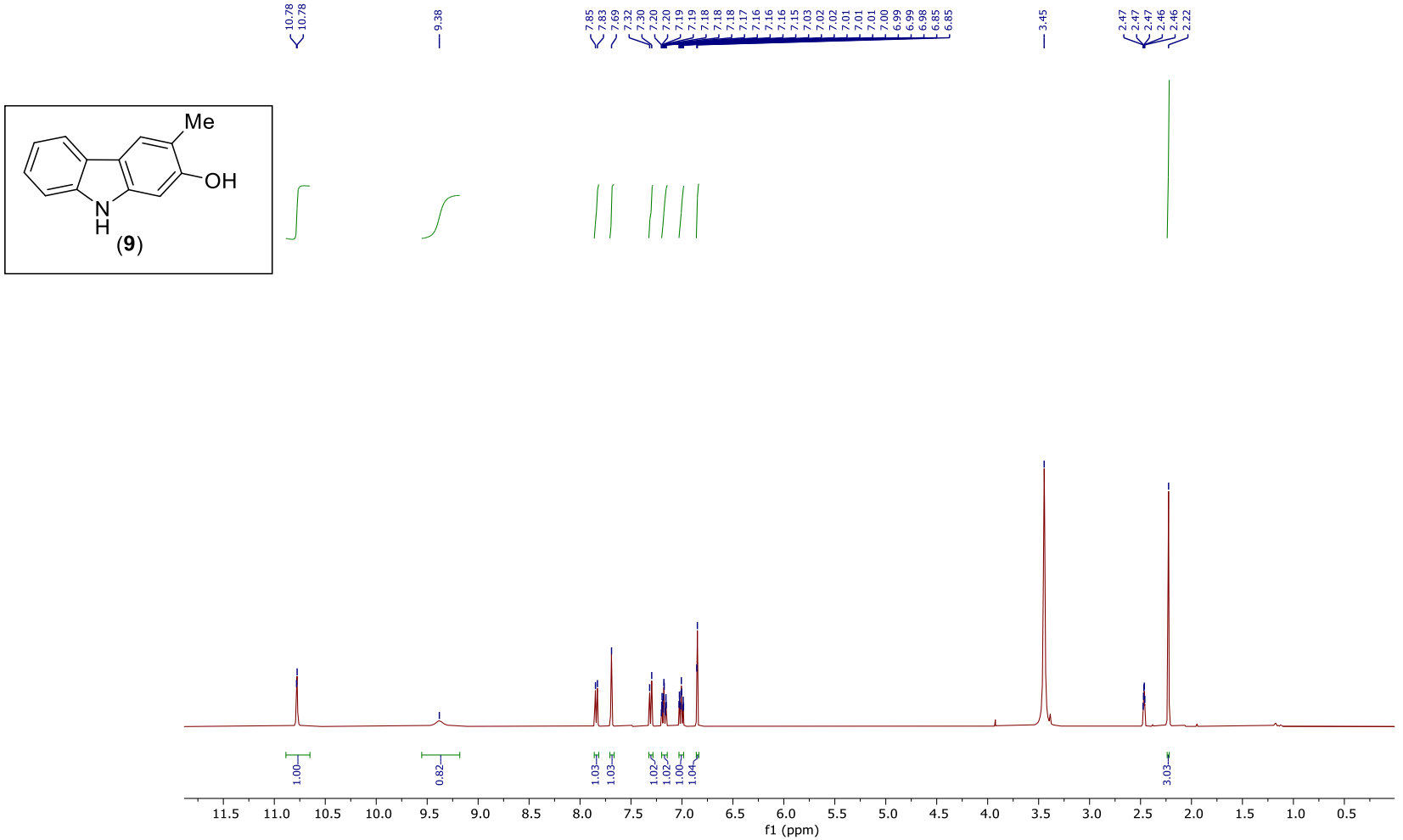
^{1}H NMR (500 MHz, DMSO-d_6) of **24**



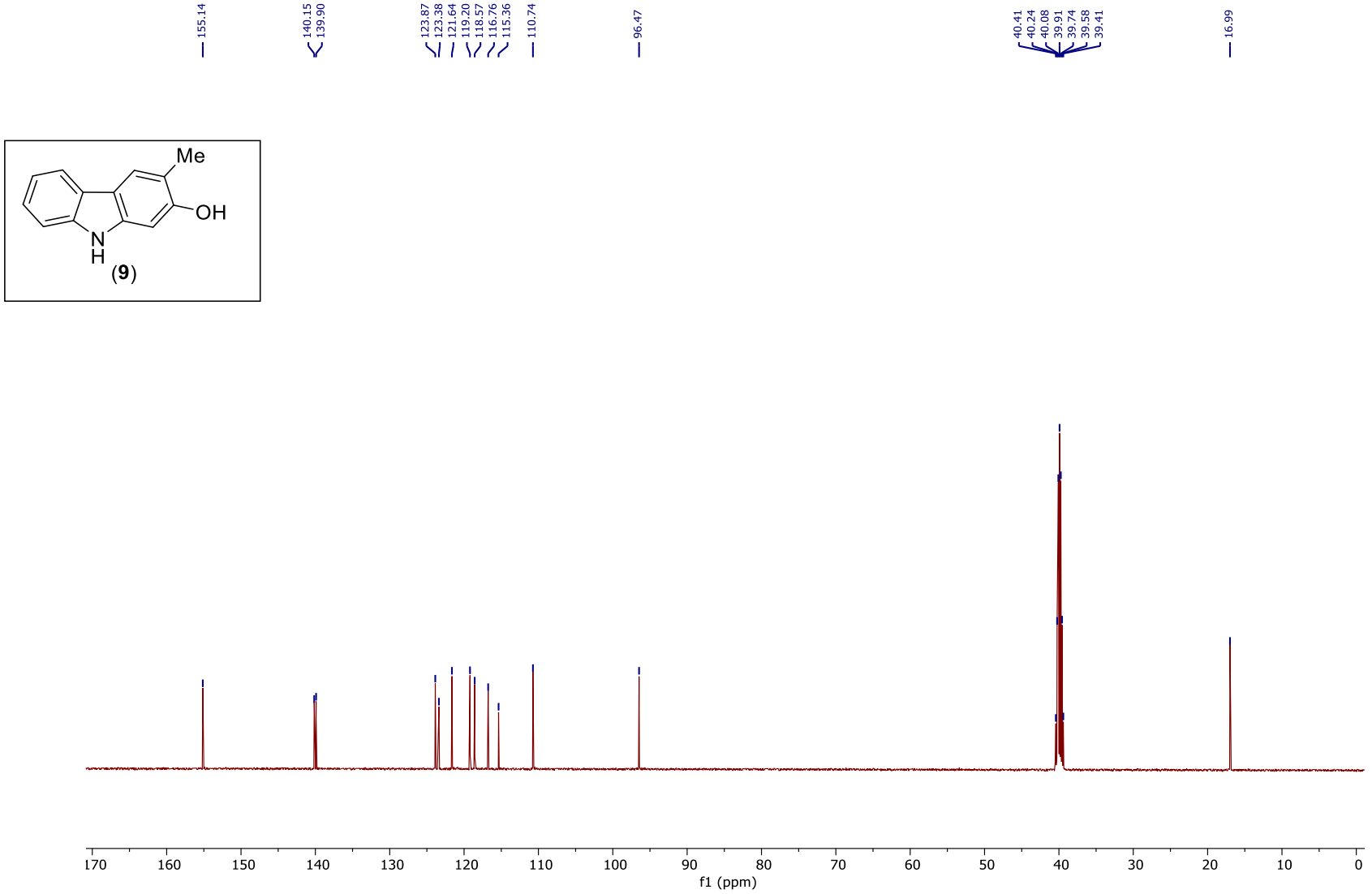
^{13}C NMR (125 MHz, DMSO-d_6) of **24**



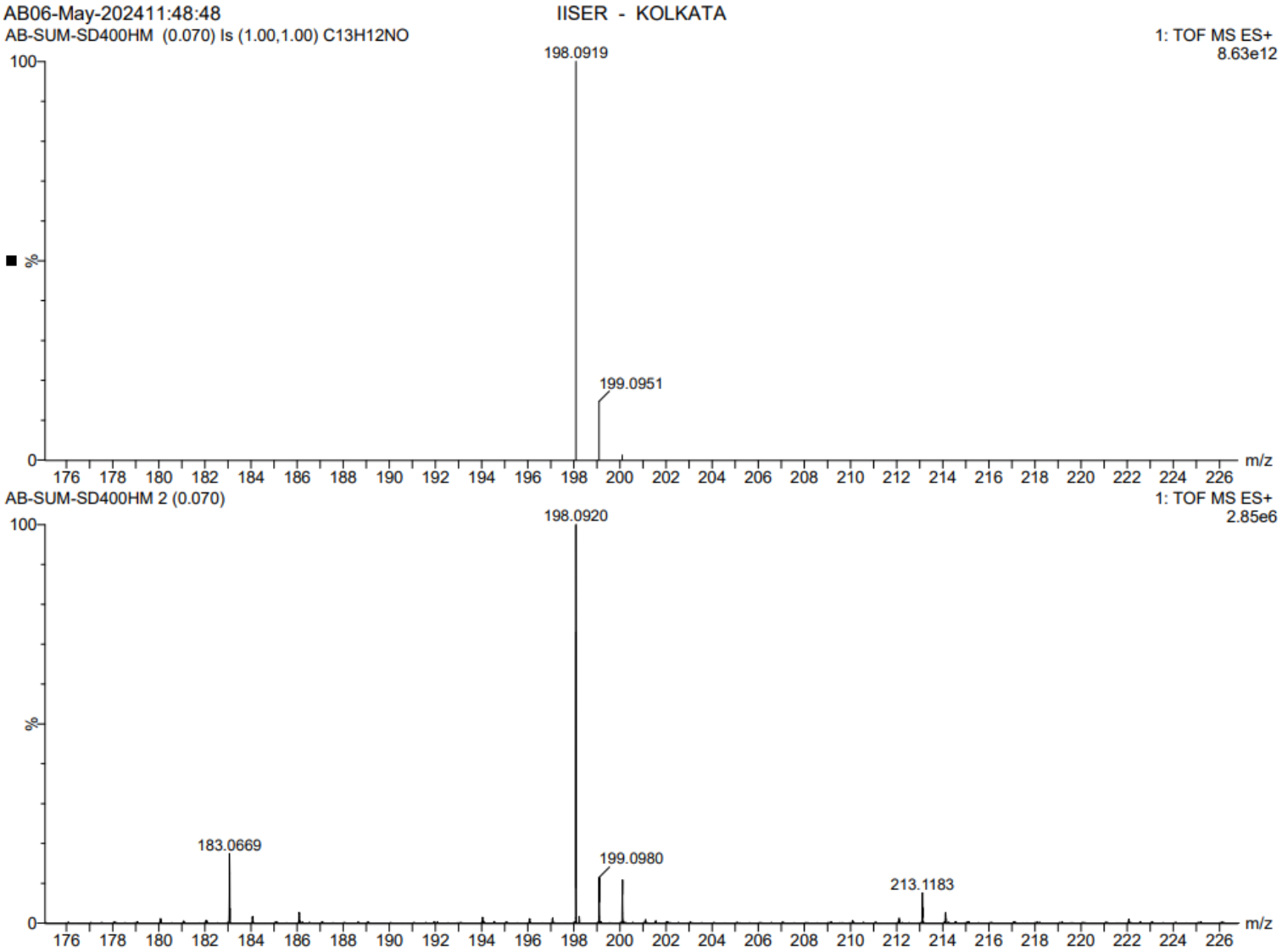
HRMS data of **24**



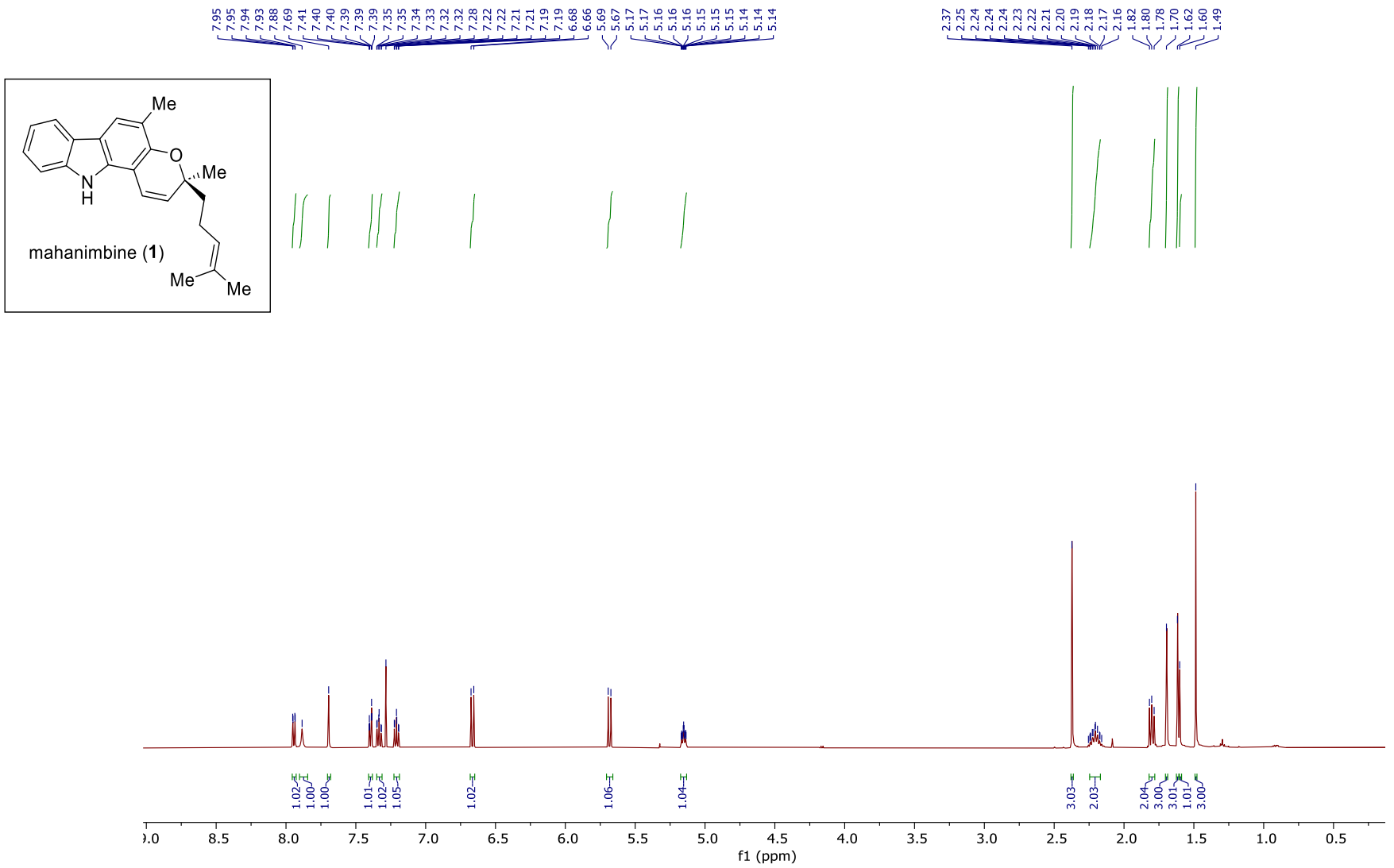
^{1}H NMR (400 MHz, DMSO-d_6) of **9**



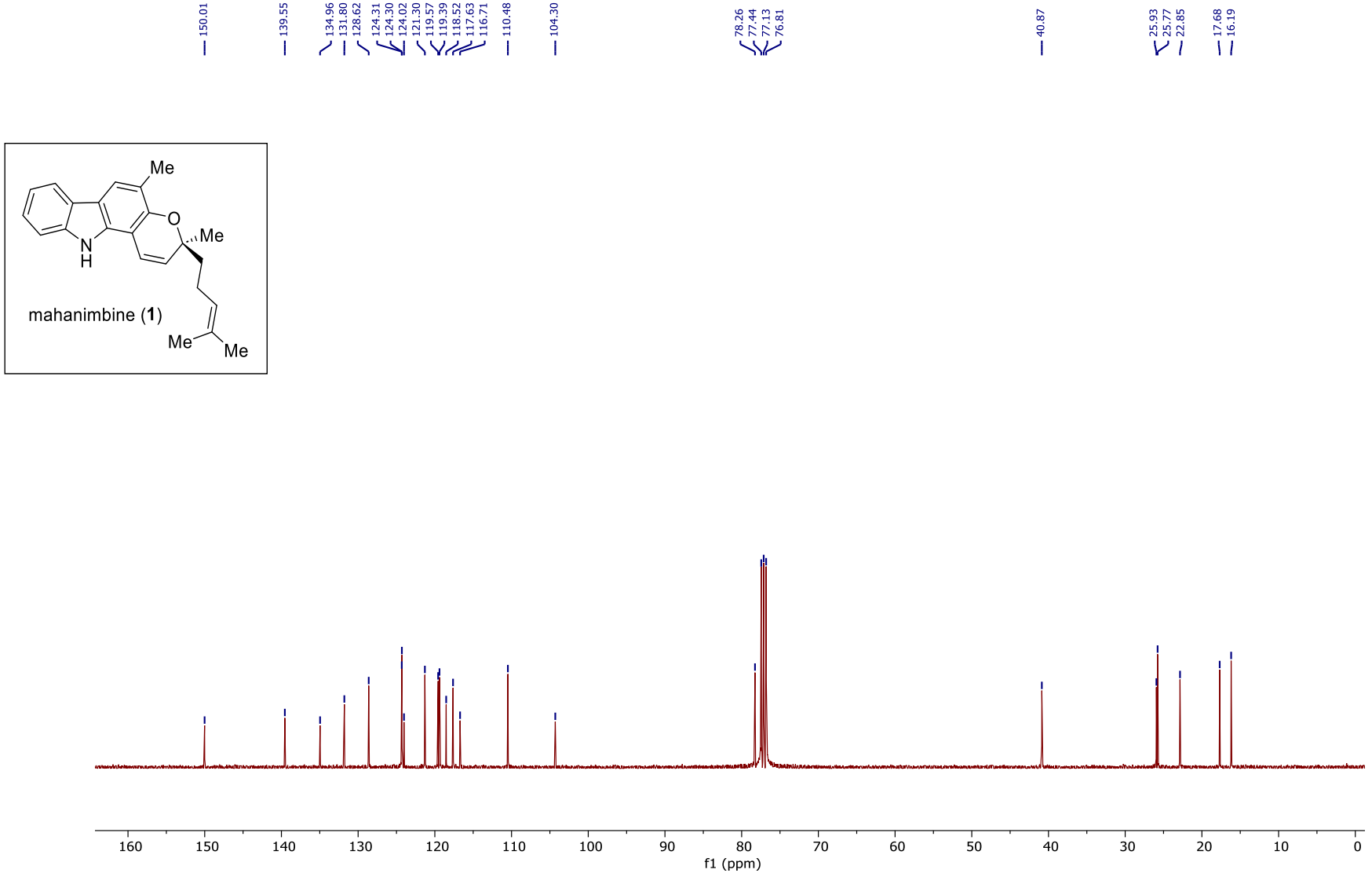
^{13}C NMR (125 MHz, DMSO-d_6) of **9**



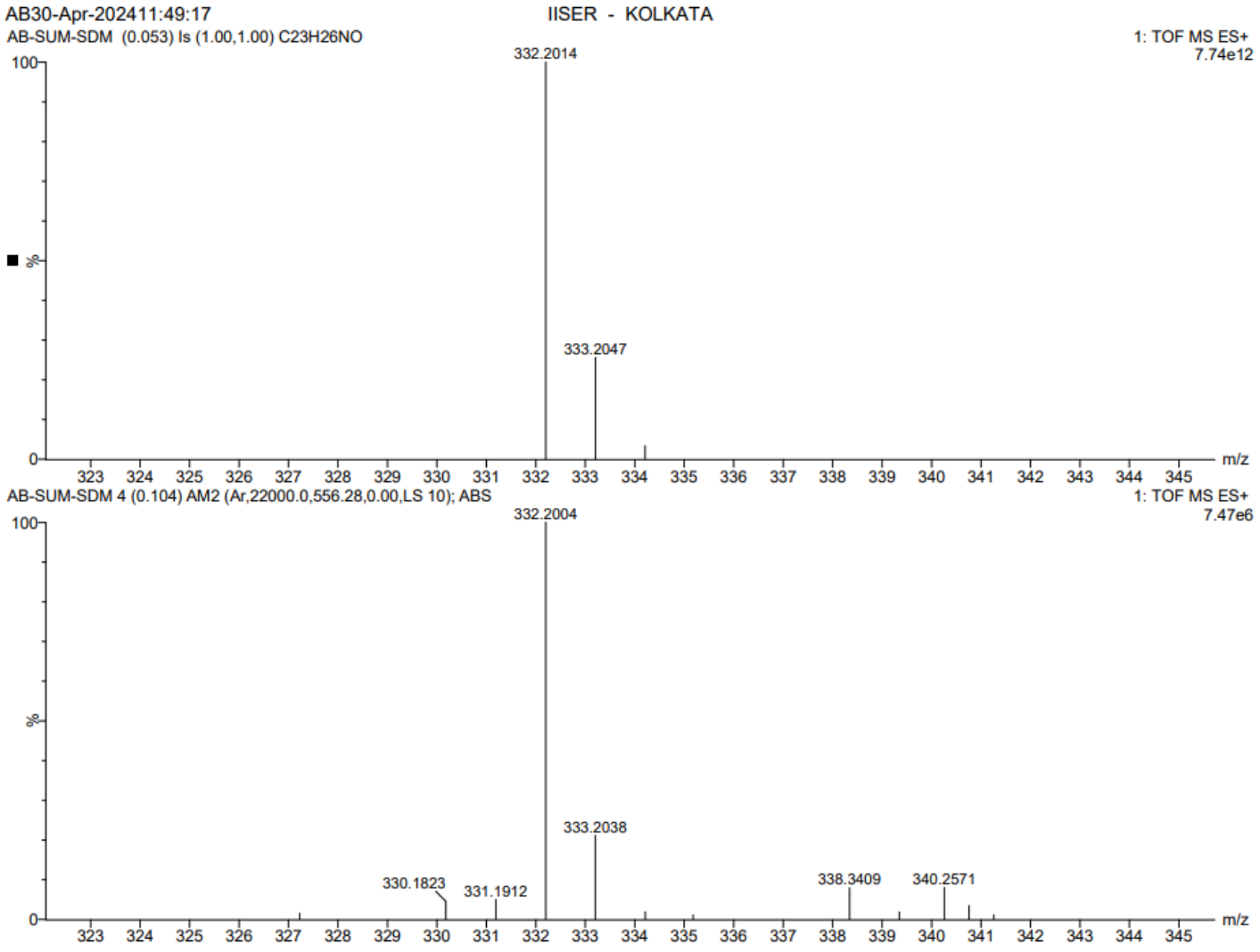
HRMS data of **9**



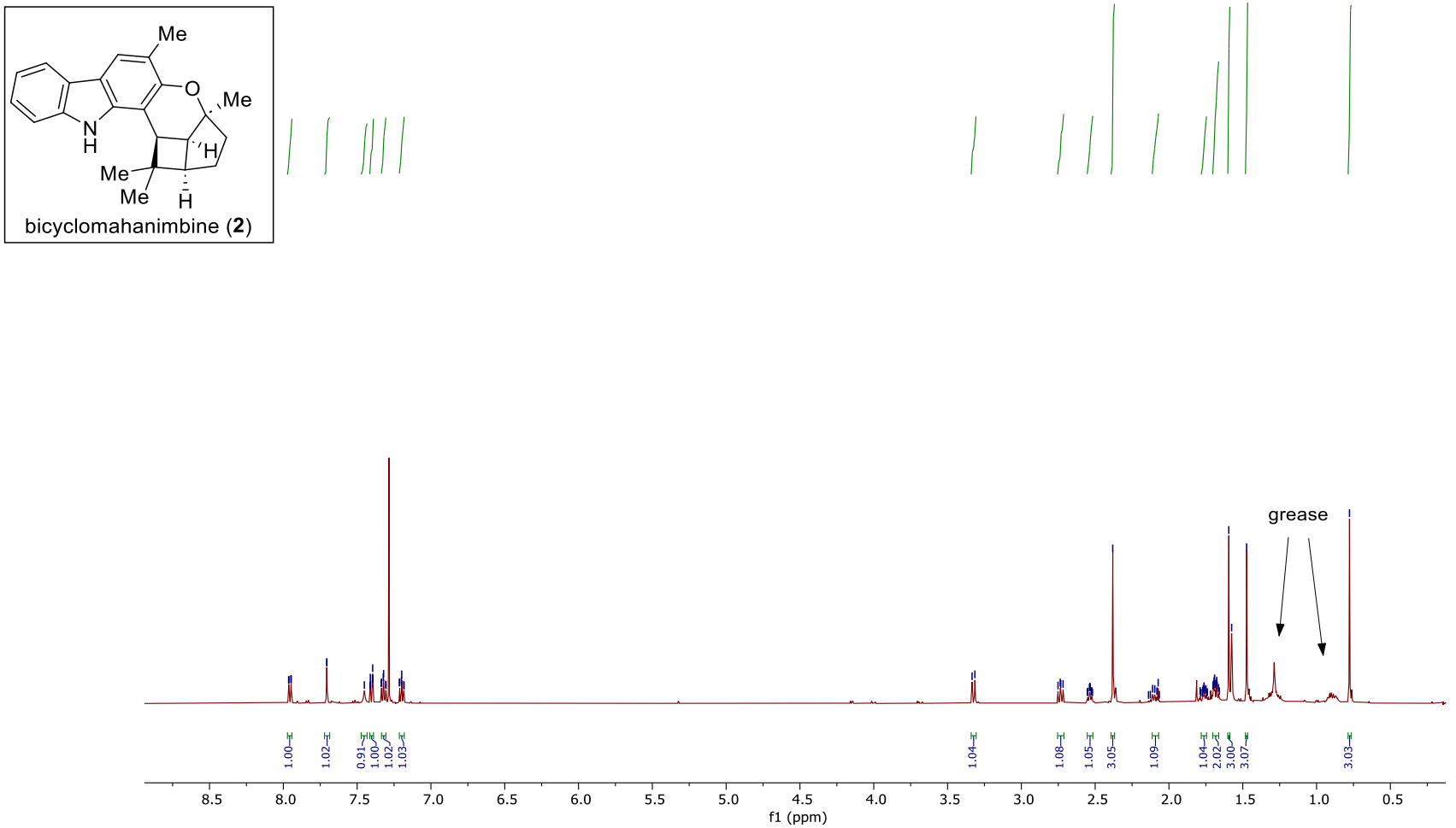
^{1}H NMR (500 MHz, $CDCl_3$) of **1**



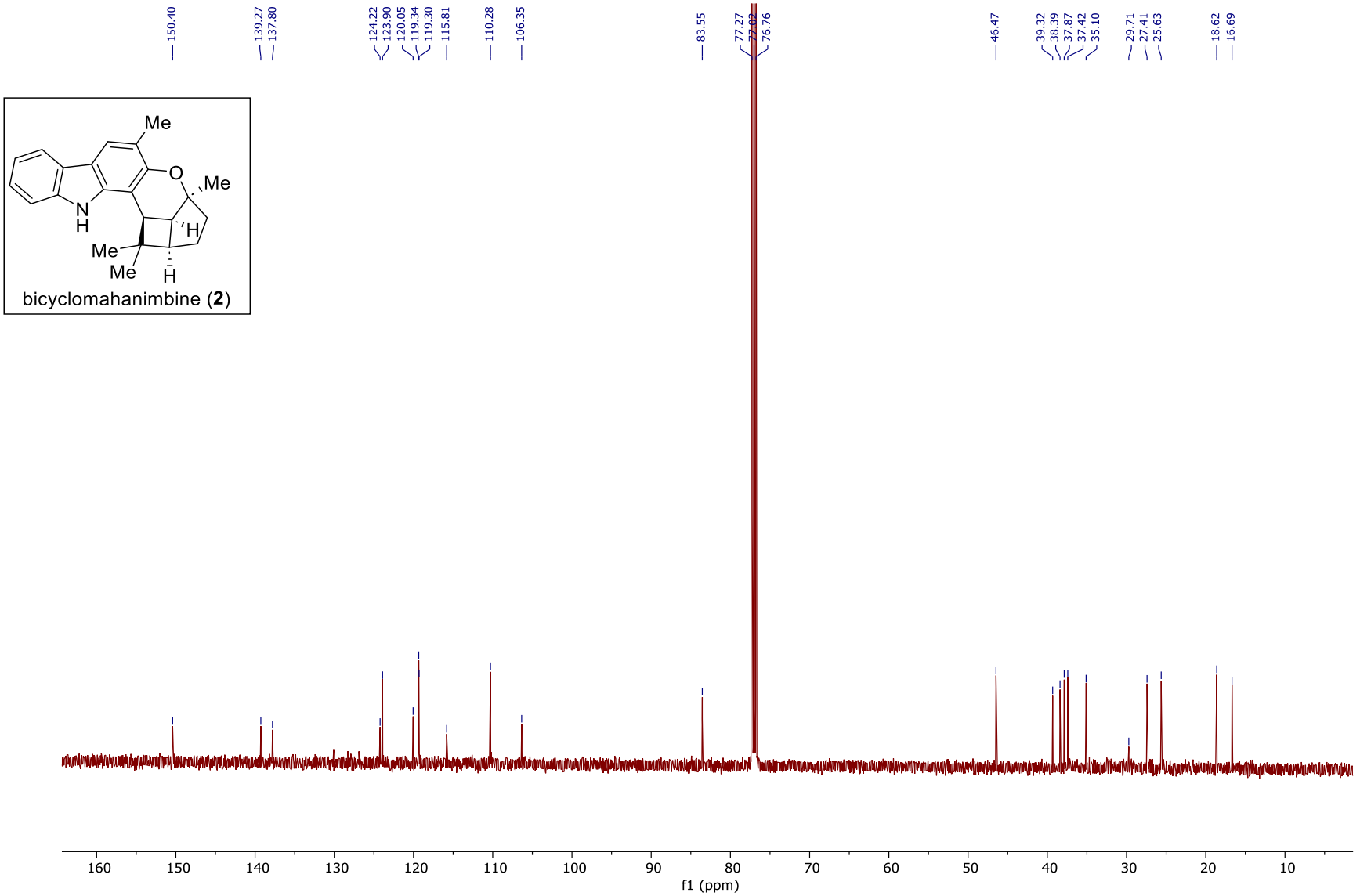
^{13}C NMR (100 MHz, $CDCl_3$) of **1**



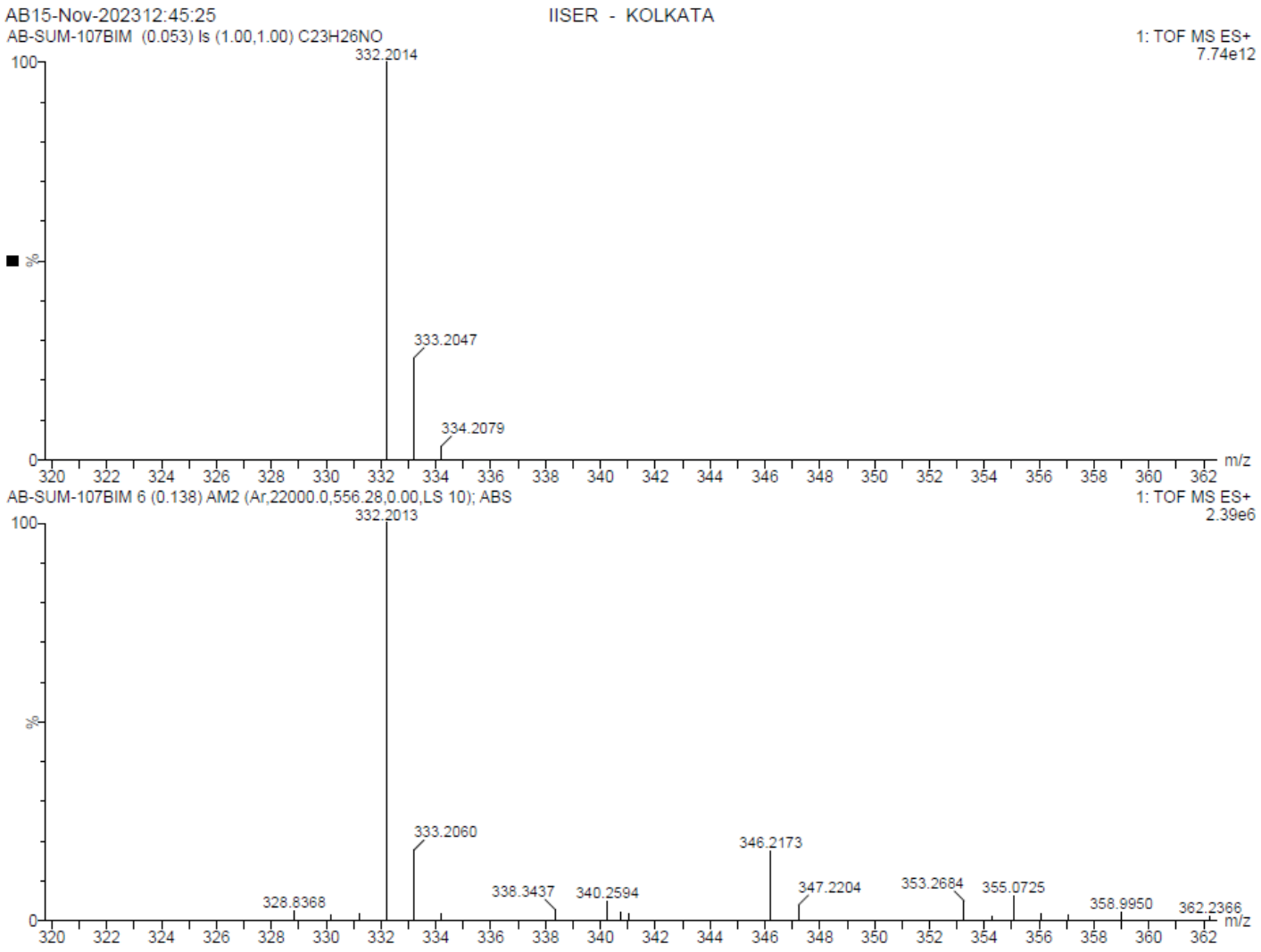
HRMS data of **1**



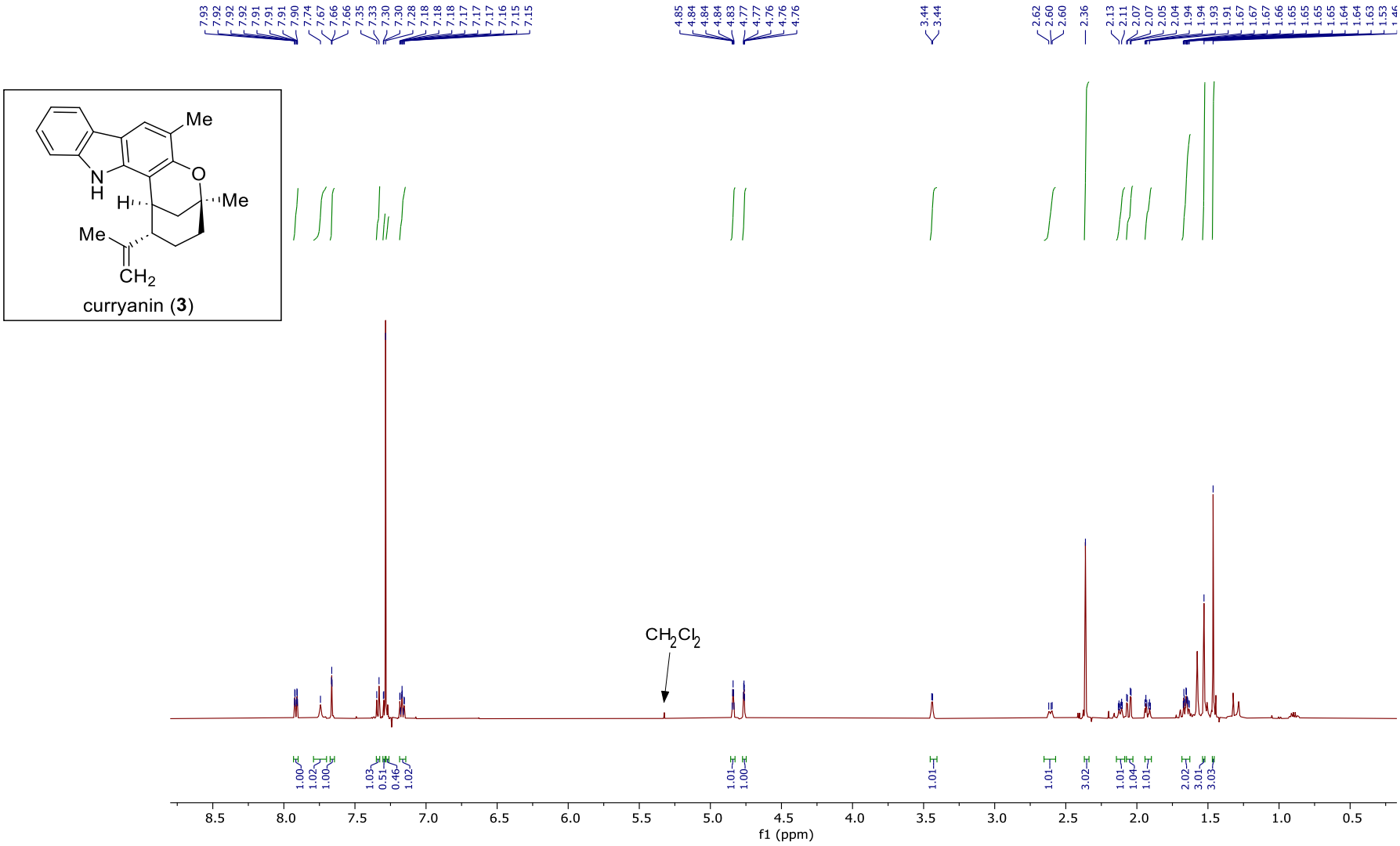
^{1}H NMR (500 MHz, $CDCl_3$) of **2**



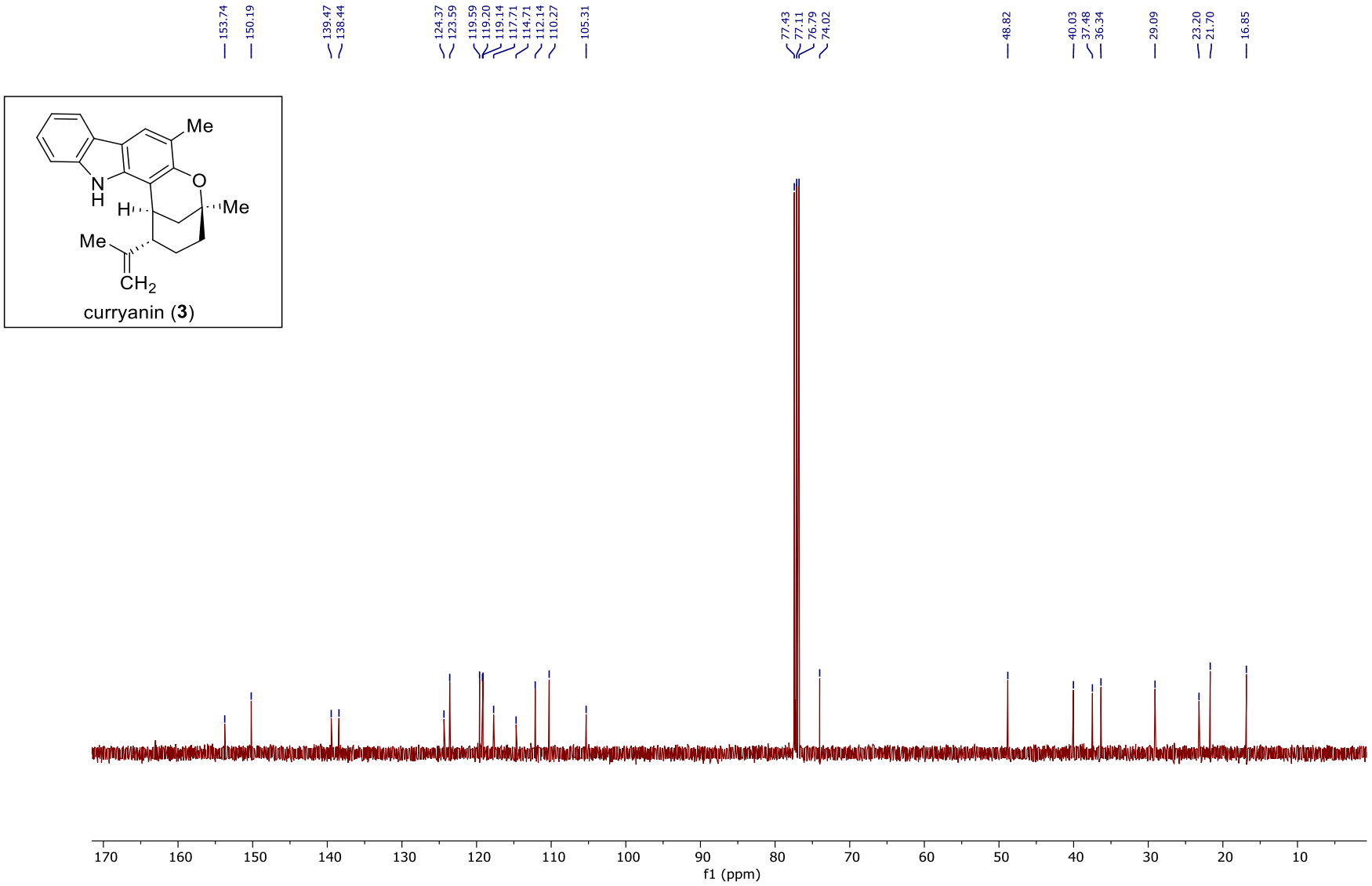
^{13}C NMR (125 MHz, $CDCl_3$) of **2**



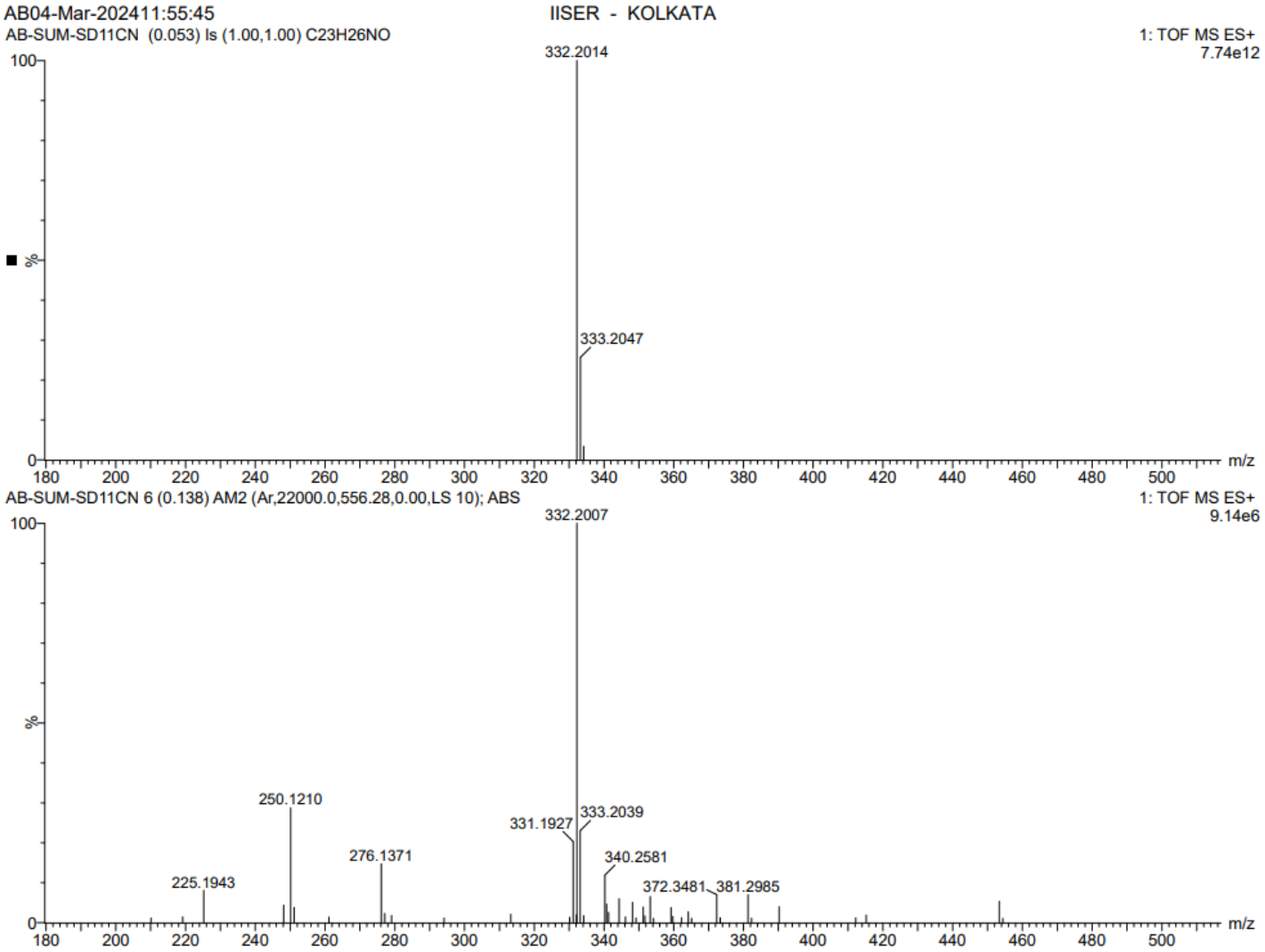
HRMS data of **2**



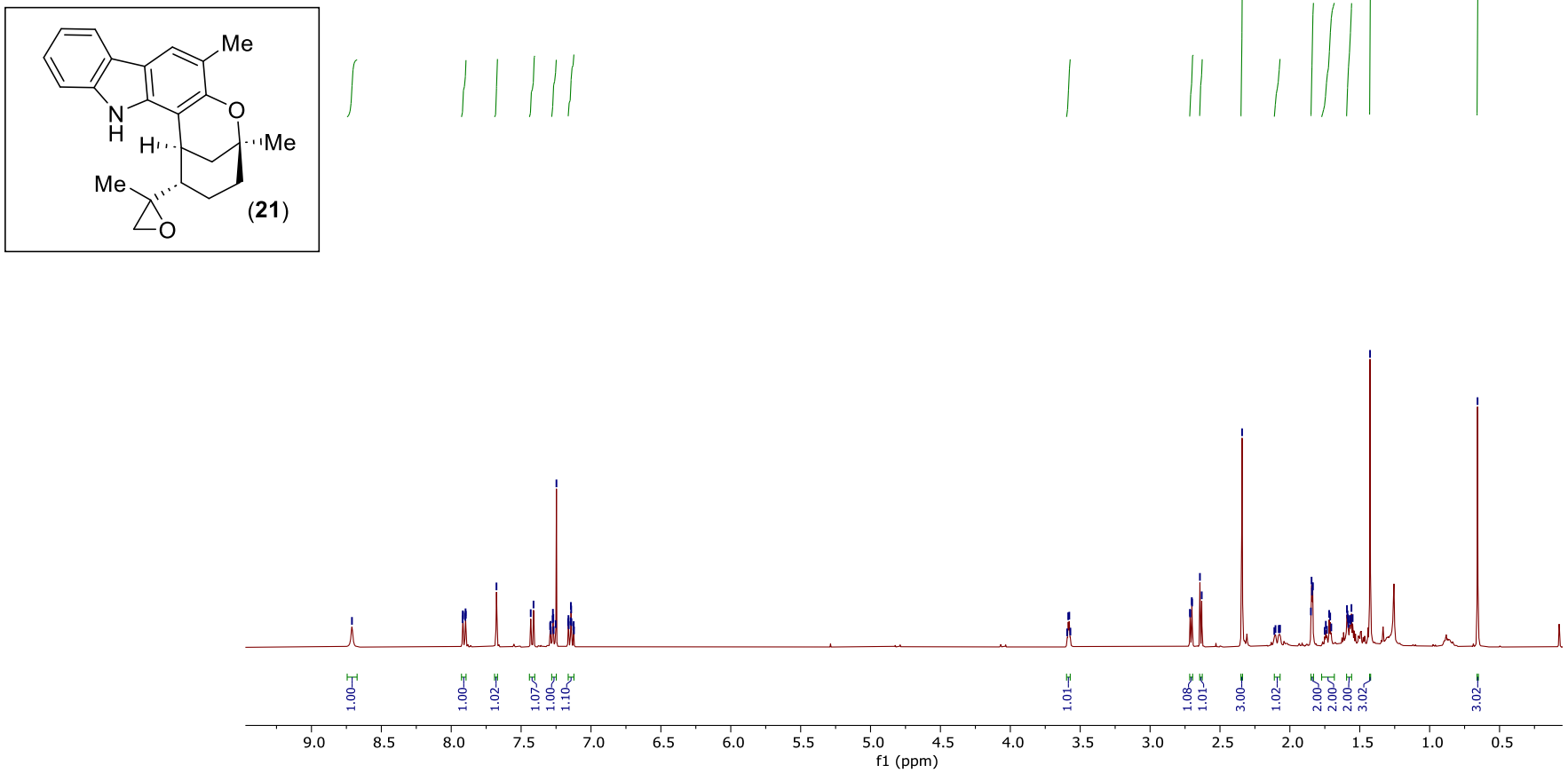
^{1}H NMR (500 MHz, $CDCl_3$) of **3**



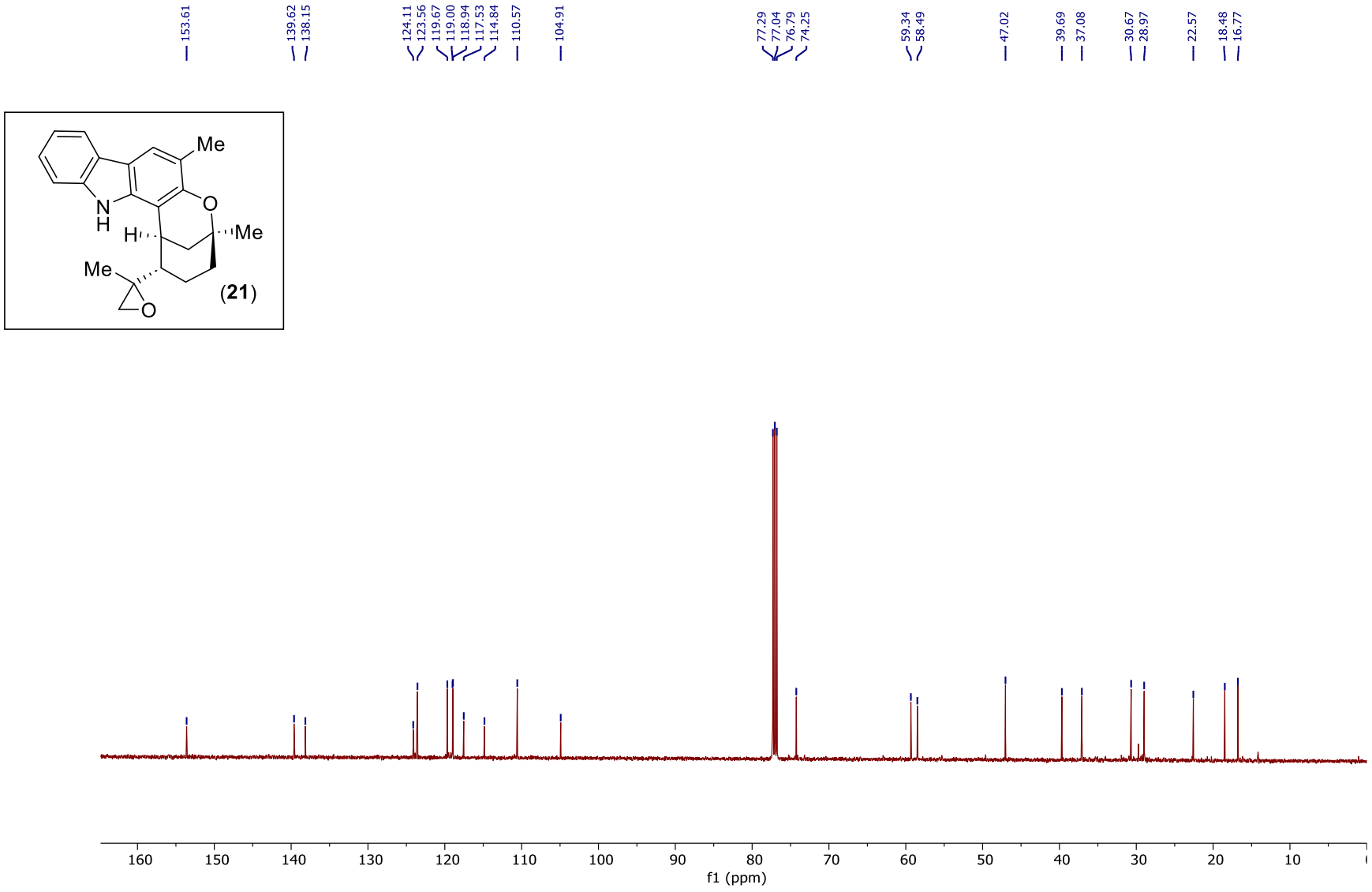
^{13}C NMR (100 MHz, $CDCl_3$) of **3**



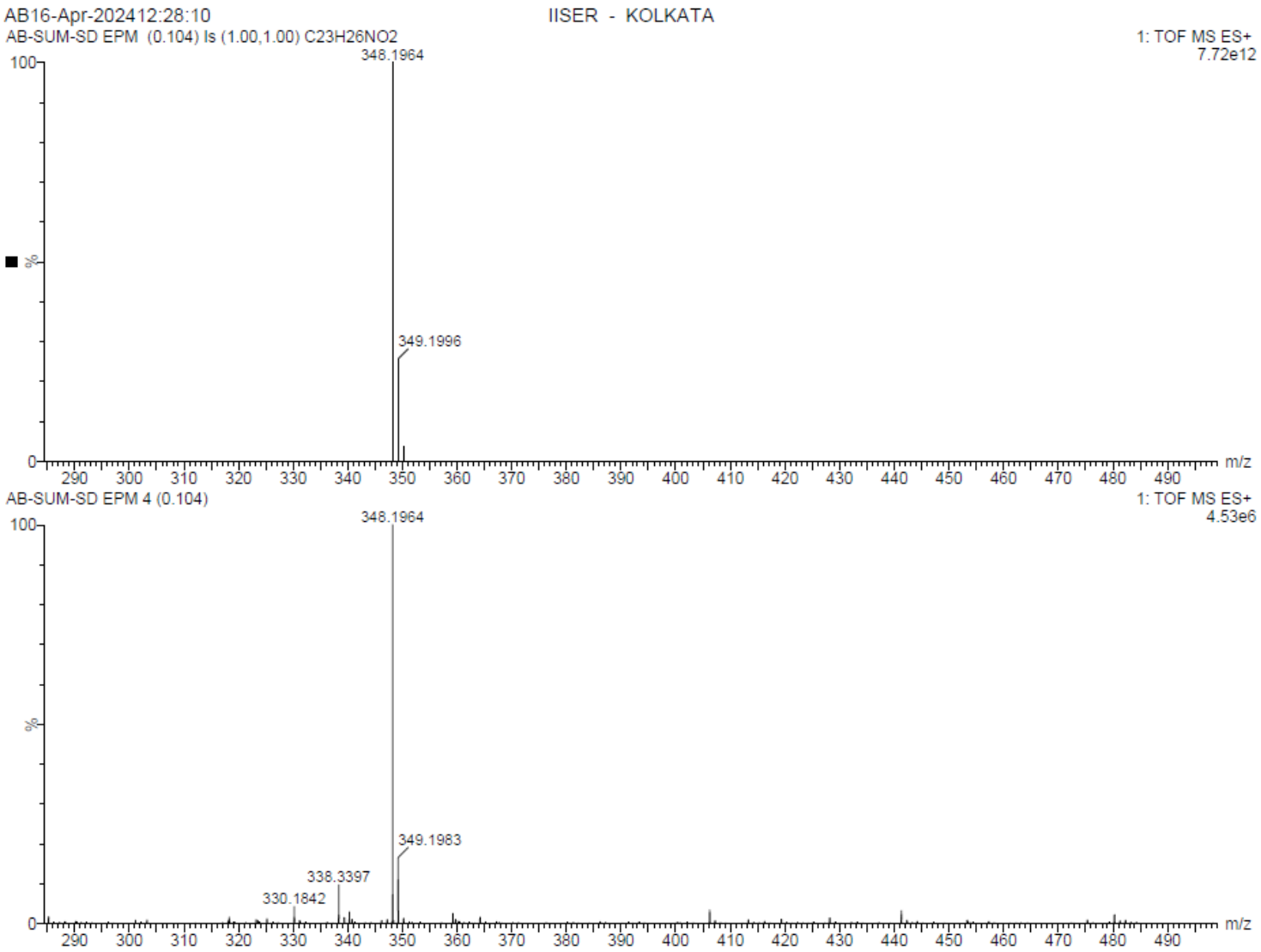
HRMS data of **3**



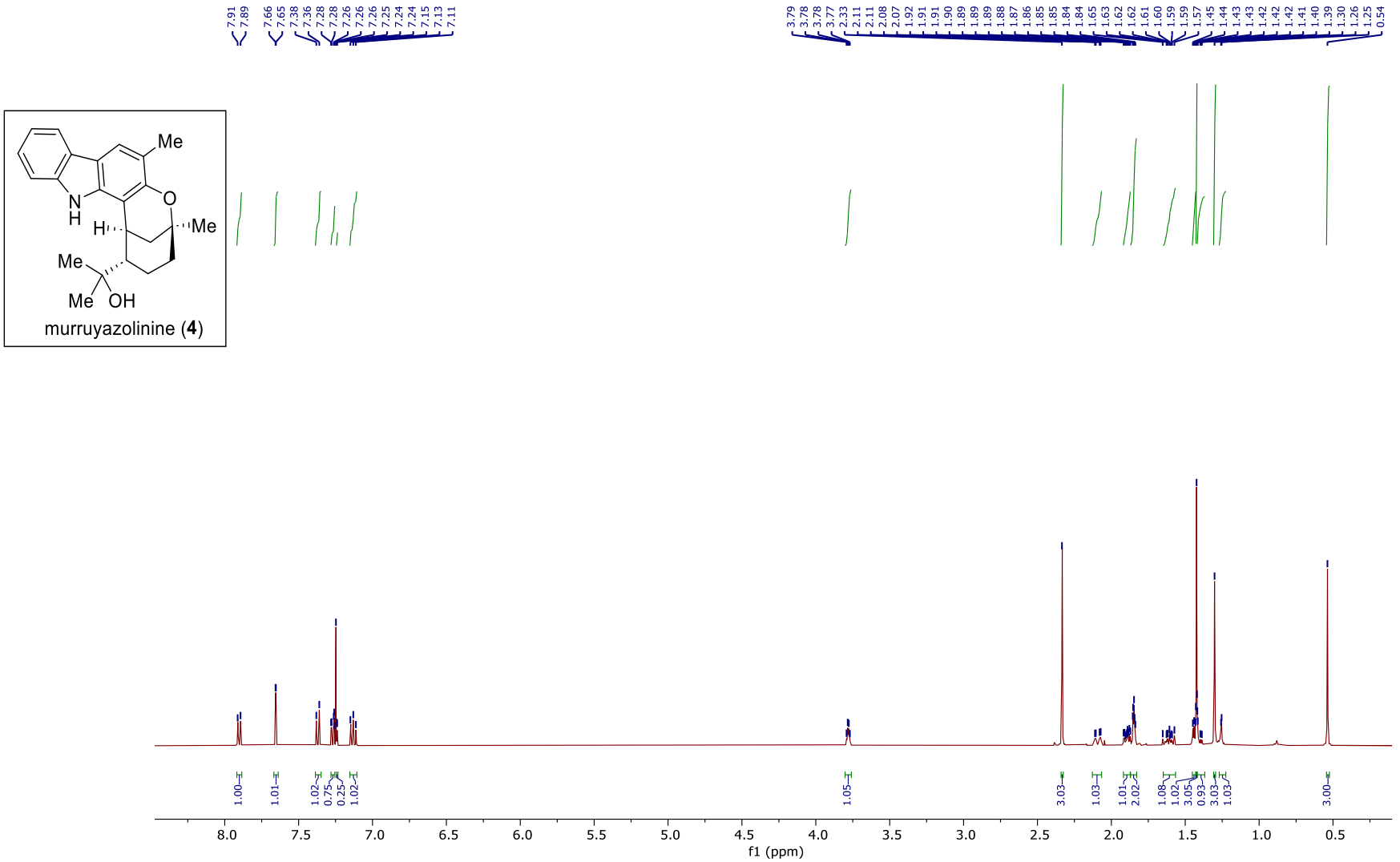
^{1}H NMR (500 MHz, $CDCl_3$) of **21**



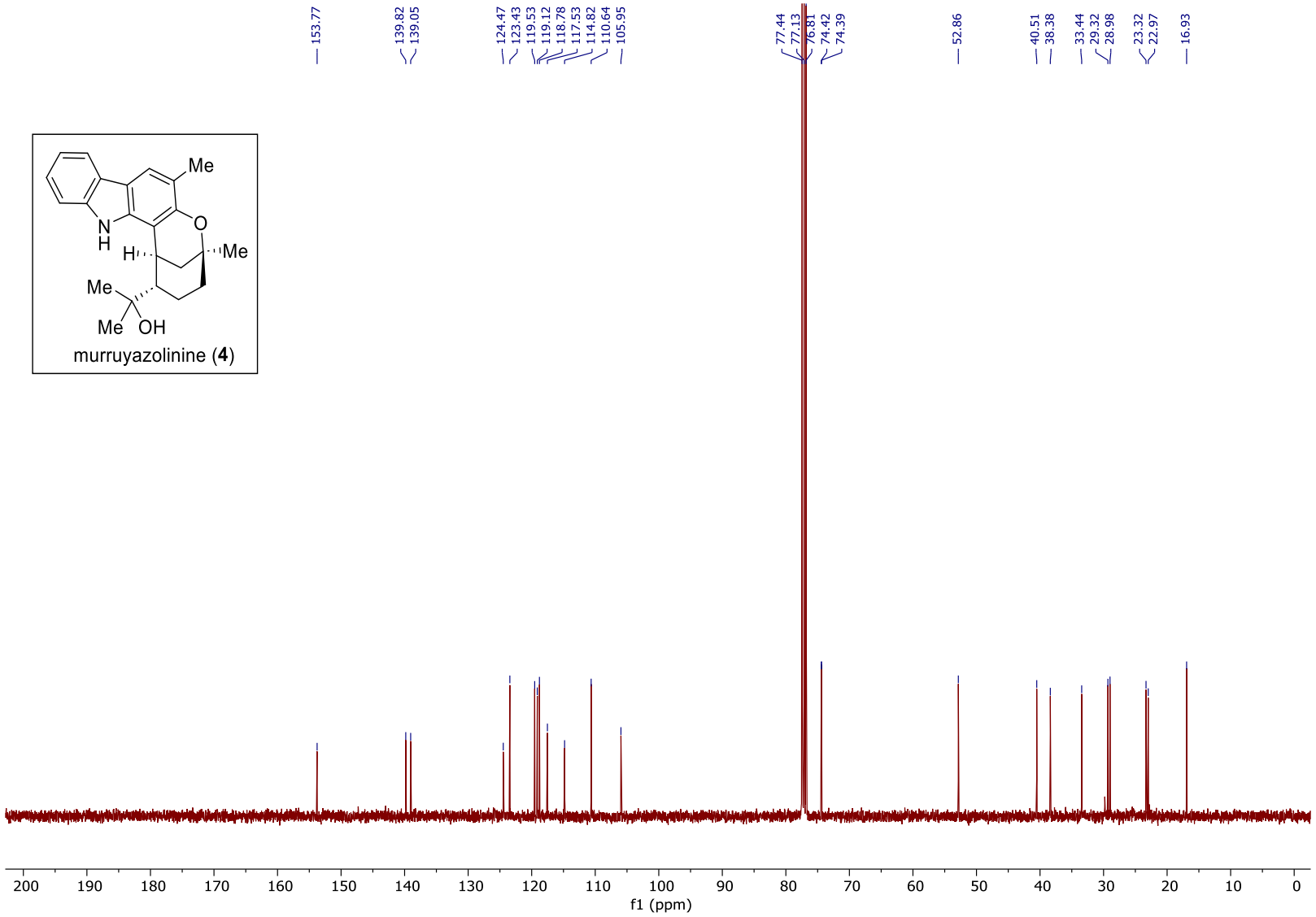
^{13}C NMR (125 MHz, $CDCl_3$) of **21**



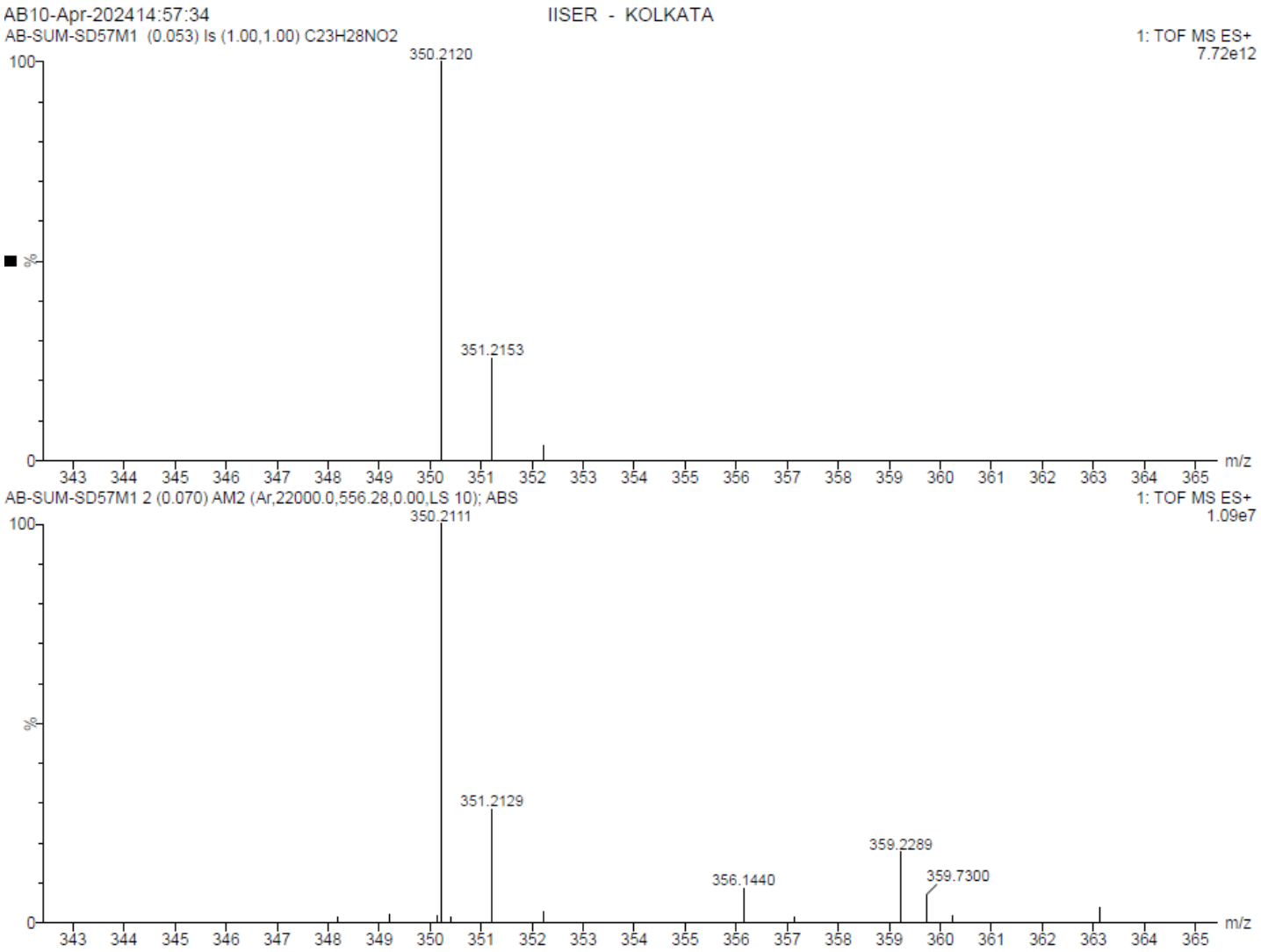
HRMS data of **21**



^{1}H NMR (400 MHz, $CDCl_3$) of **4**



^{13}C NMR (100 MHz, $CDCl_3$) of **4**



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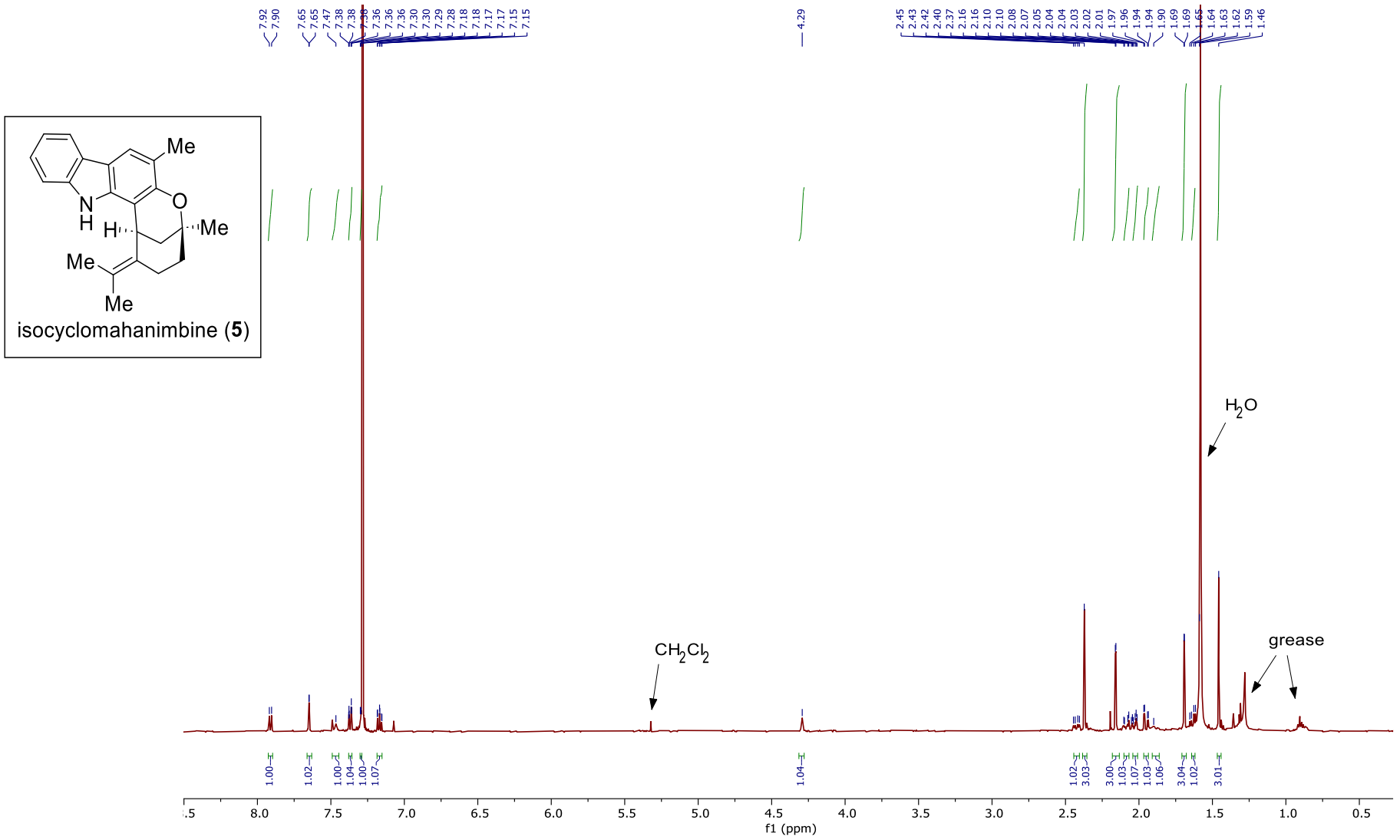
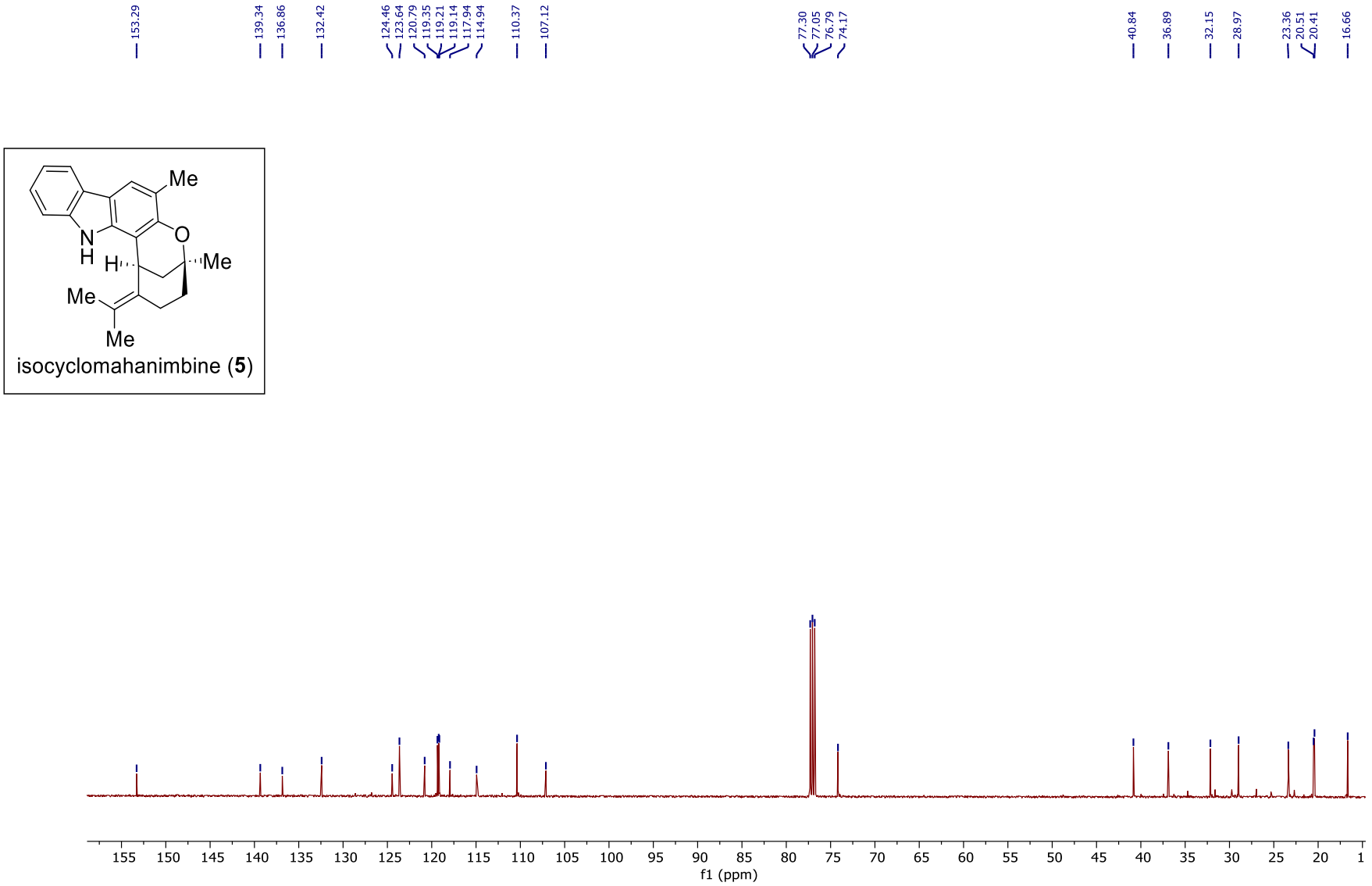
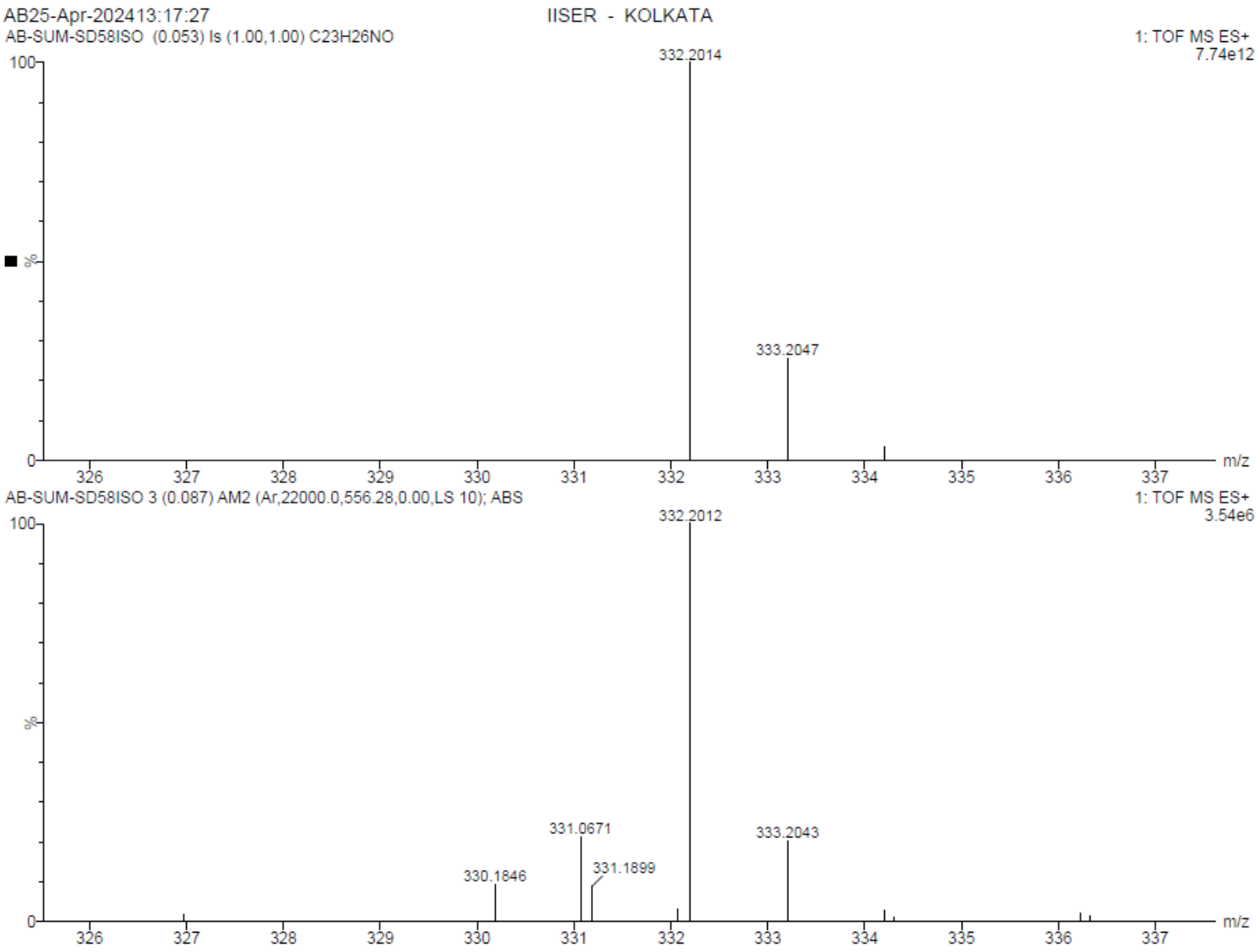


^{1}H NMR (500 MHz, $CDCl_3$) of **5**



^{13}C NMR (100 MHz, $CDCl_3$) of **5**



HRMS data of **5**