

Effective Synthesis and Antifouling Activity of Dolastatin 16 Derivatives

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Figure S1. ¹H and ¹³C NMR spectra of compound **5**

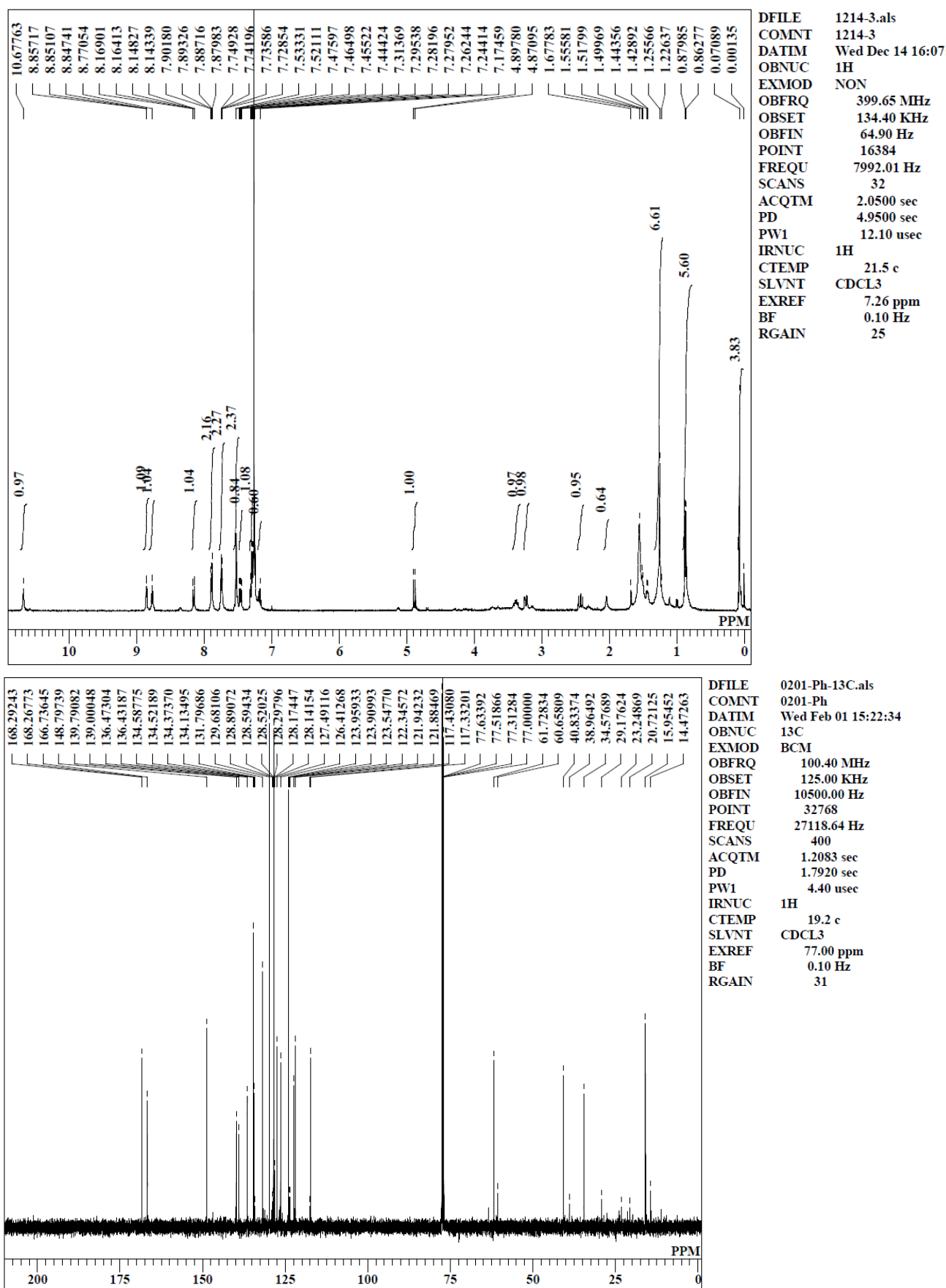


Figure S2. ¹H and ¹³C NMR spectra of compound 6

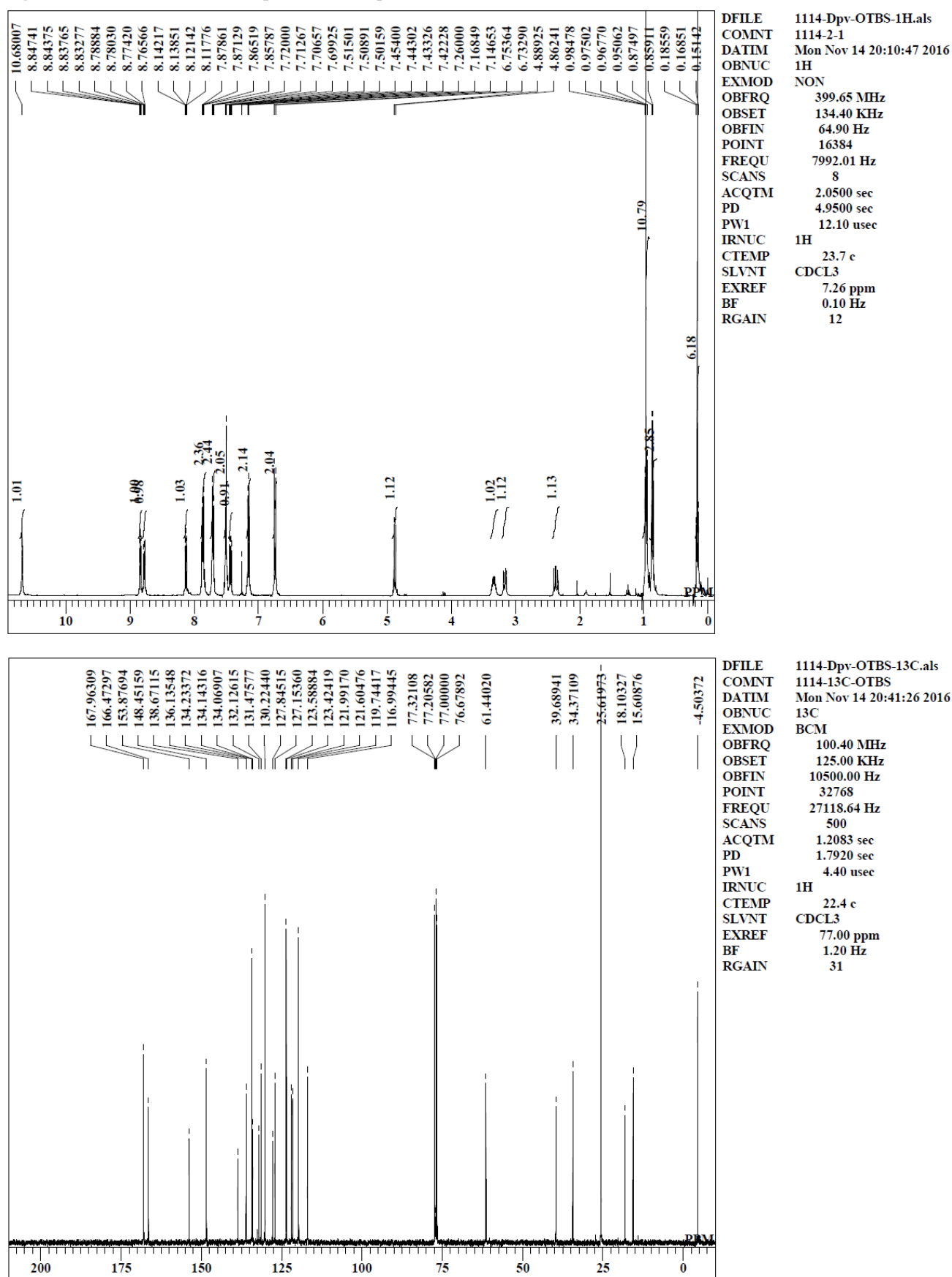


Figure S3. ¹H and ¹³C NMR spectra of compound **8**

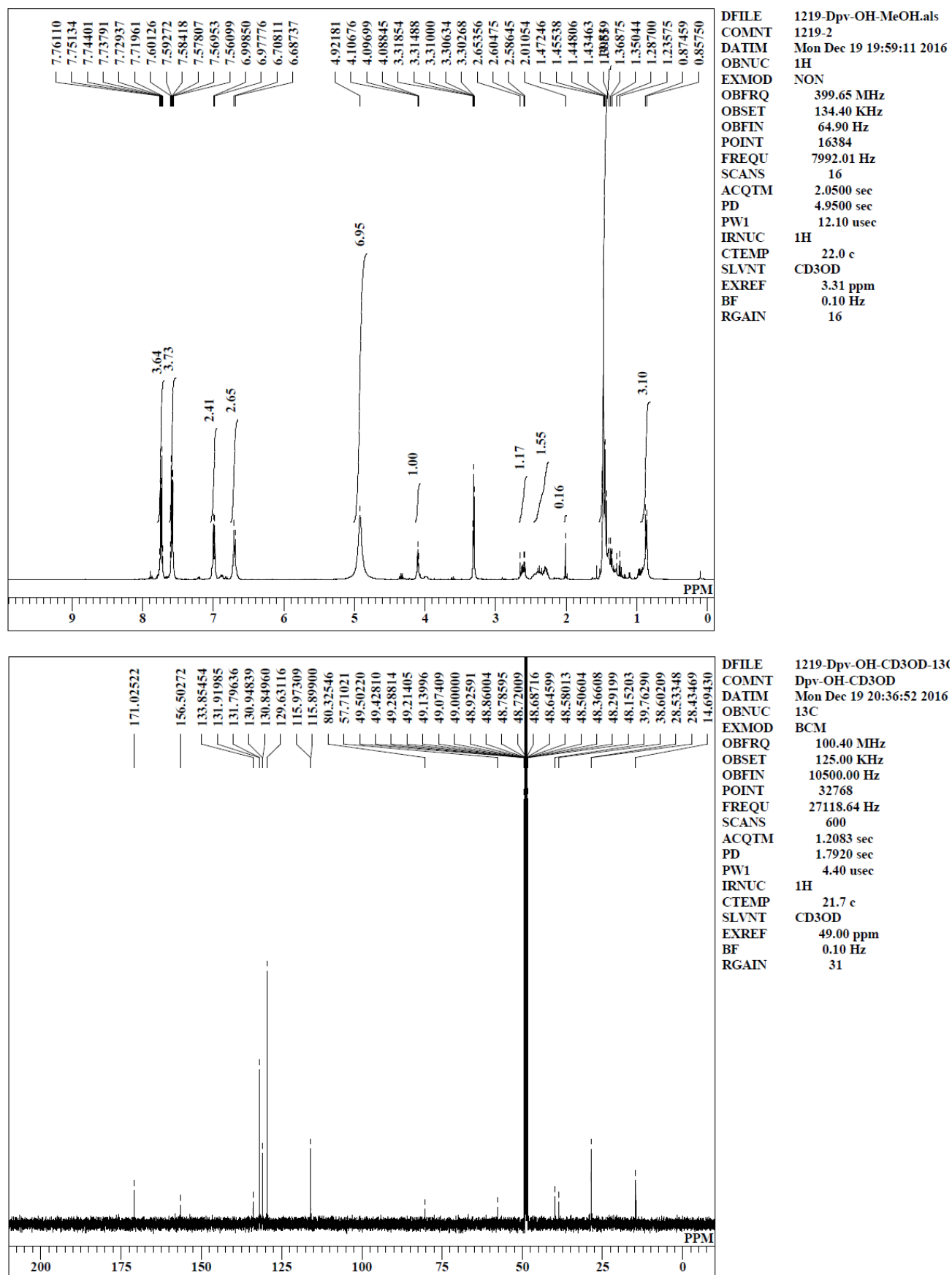


Figure S4. ^1H and ^{13}C NMR spectra of compound **13**

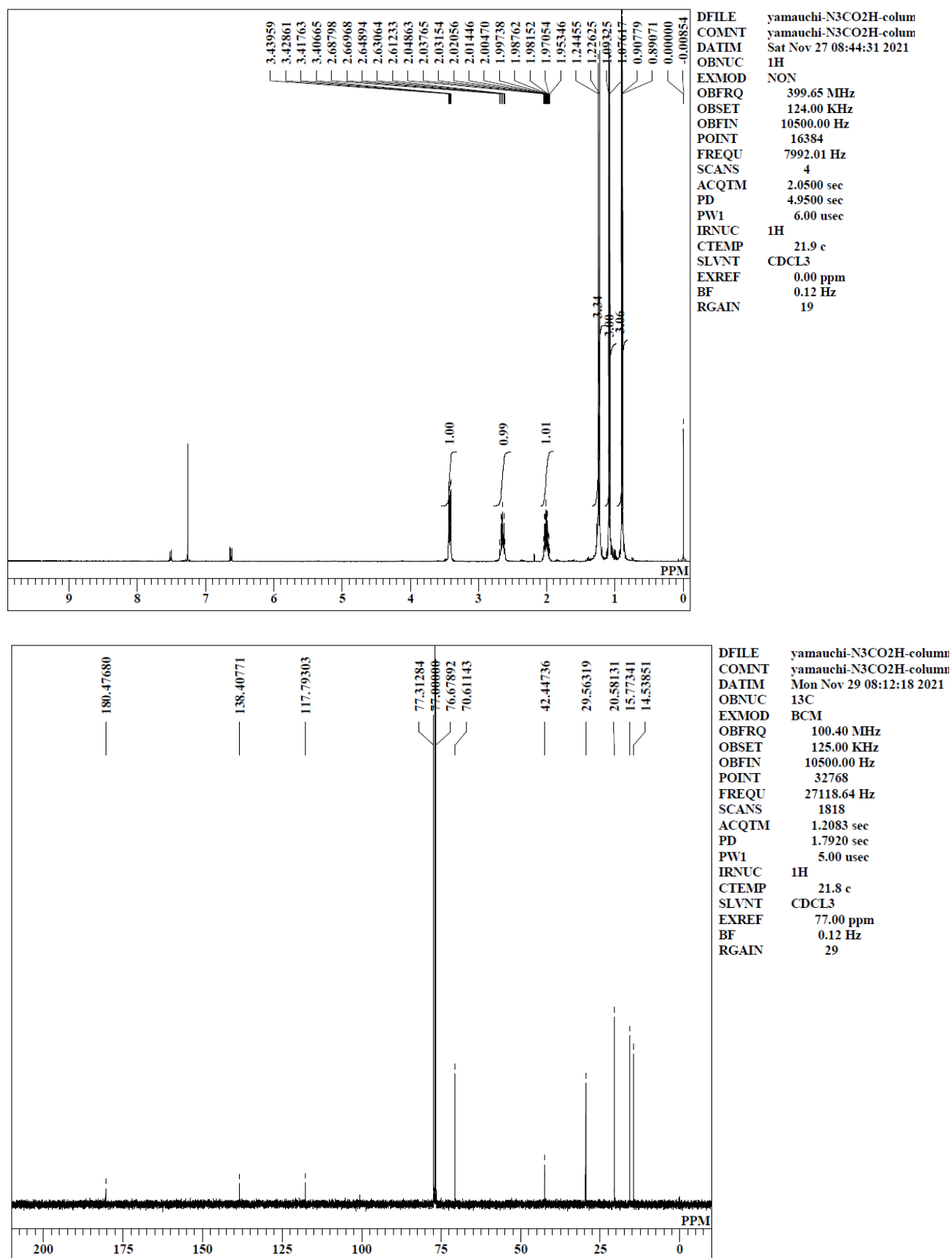


Figure S5. ¹H and ¹³C NMR spectra of compound 14

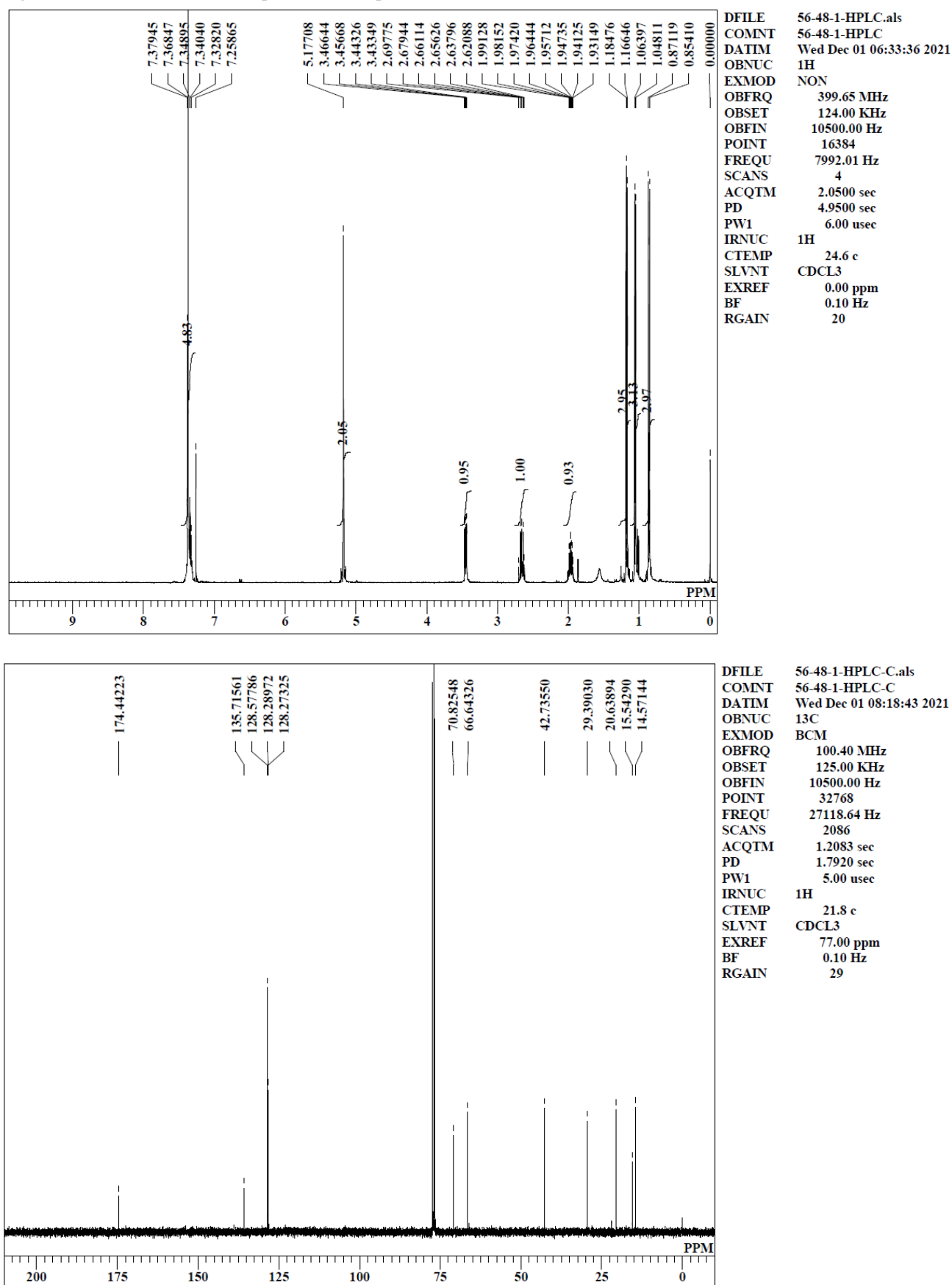


Figure S6. ¹H and ¹³C NMR spectra of compound **16**

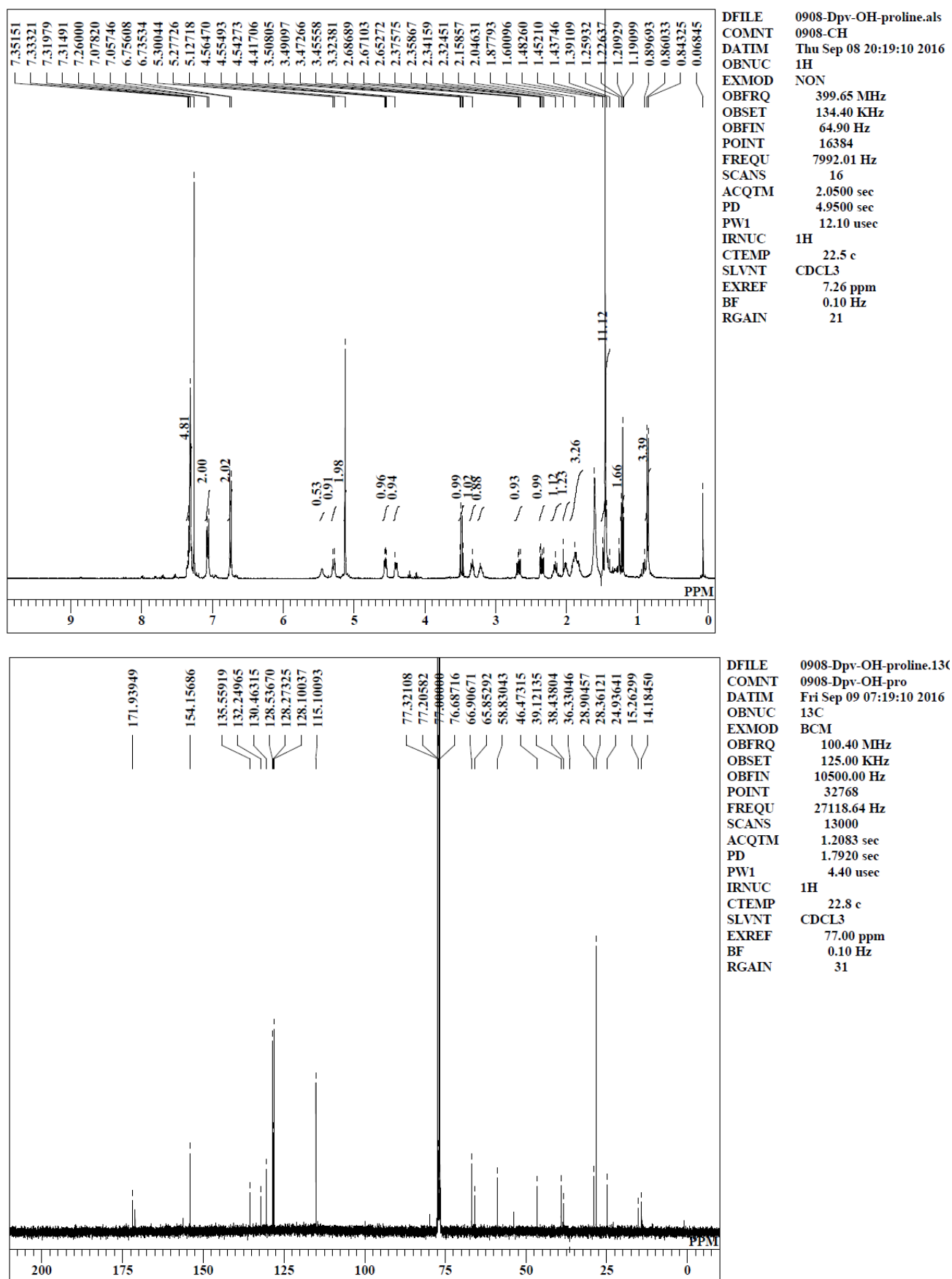


Figure S7. ¹H and ¹³C NMR spectra of compound **17**

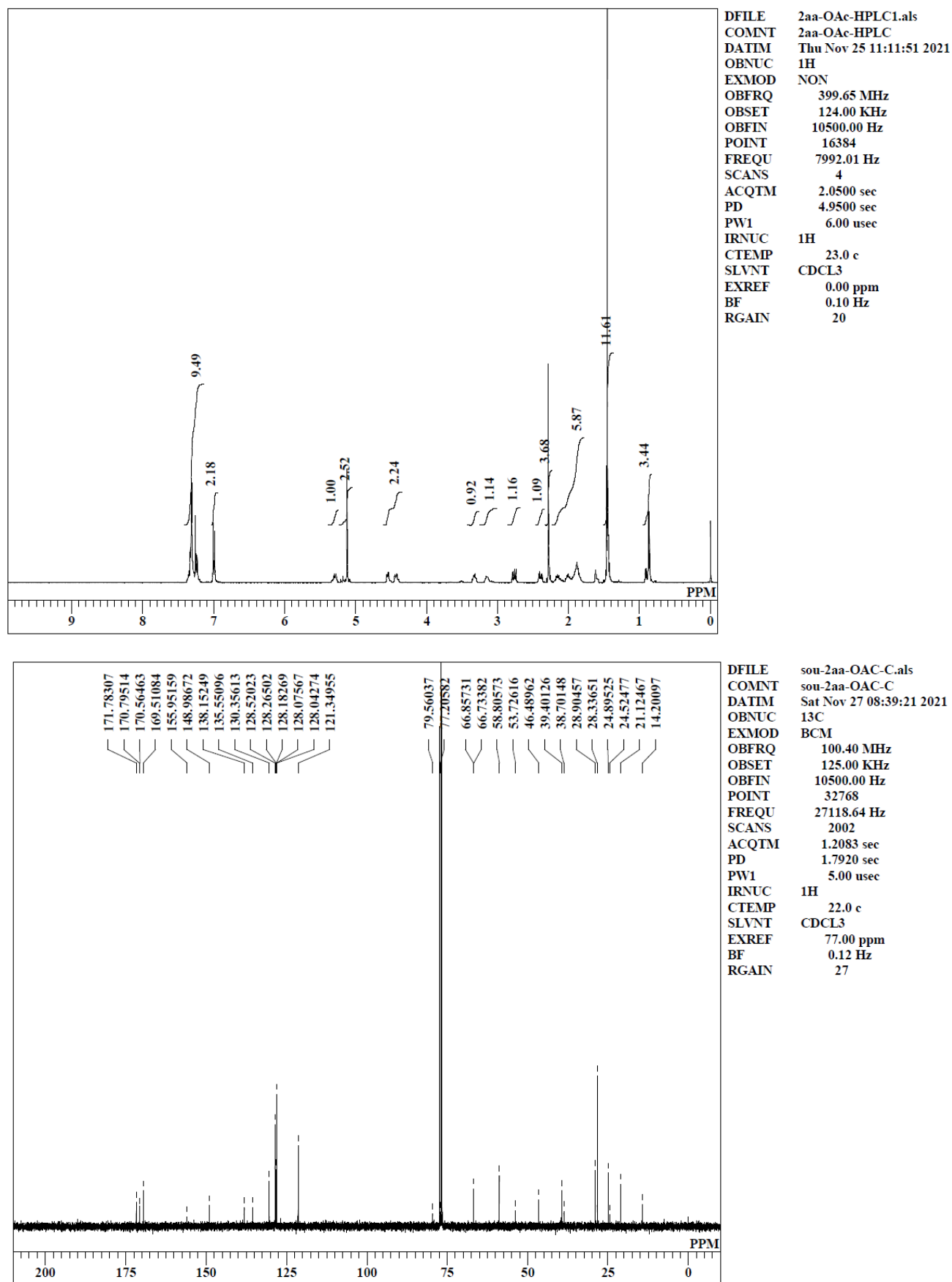


Figure S8. ^1H and ^{13}C NMR spectra of compound **20**

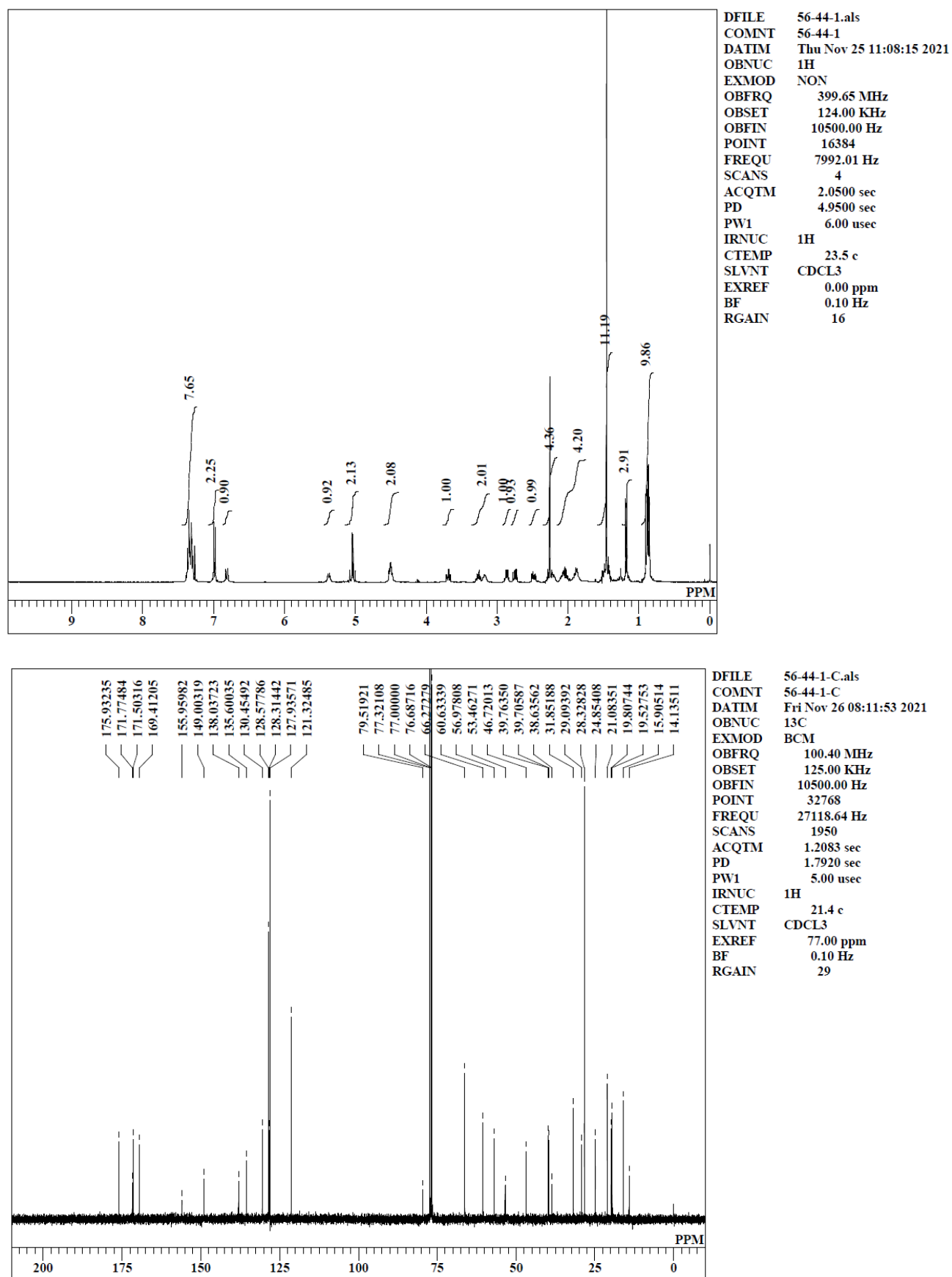


Figure S9. ¹H and ¹³C NMR spectra of compound 21

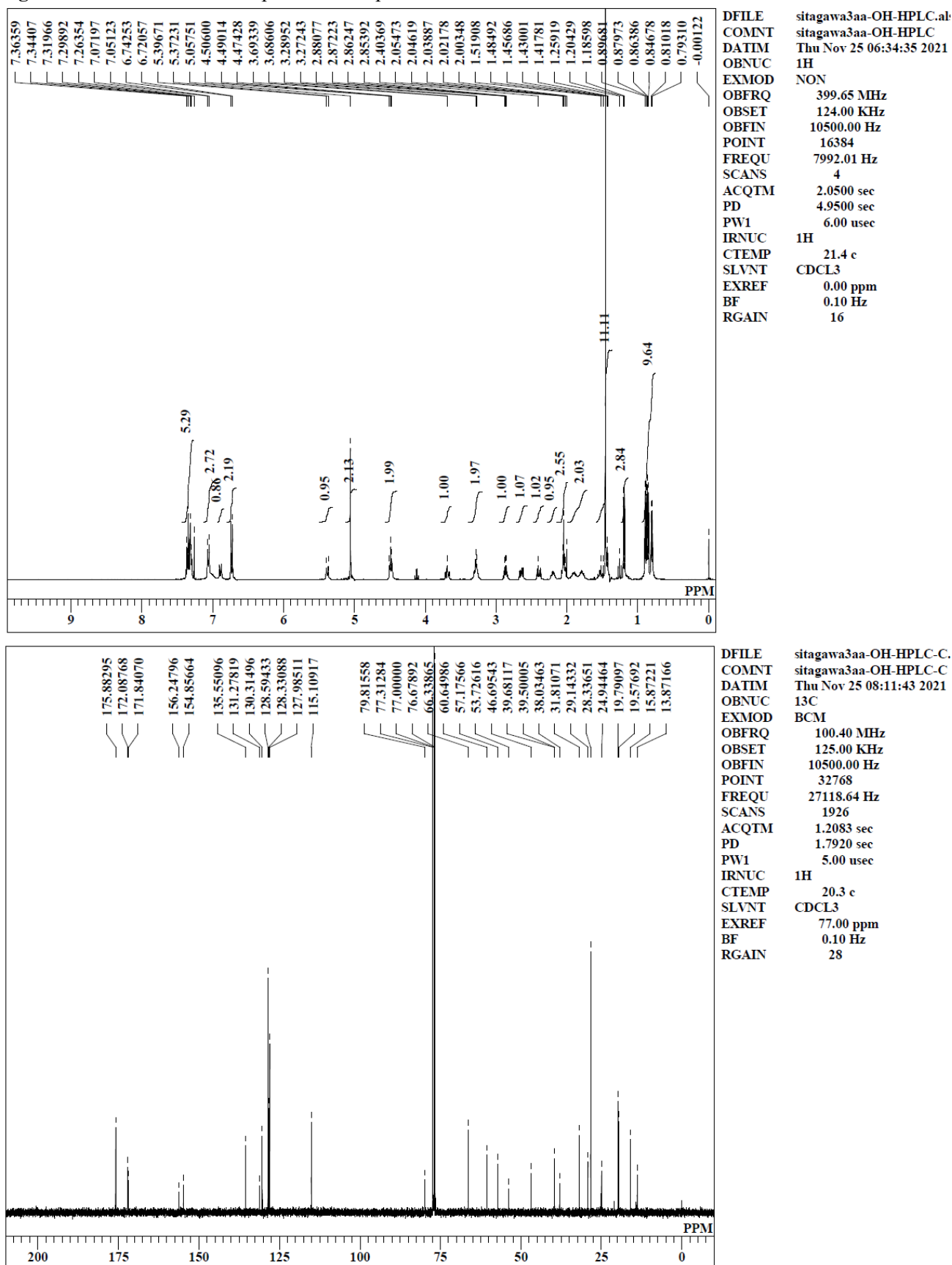


Figure S10. ¹H and ¹³C NMR spectra of compound 22

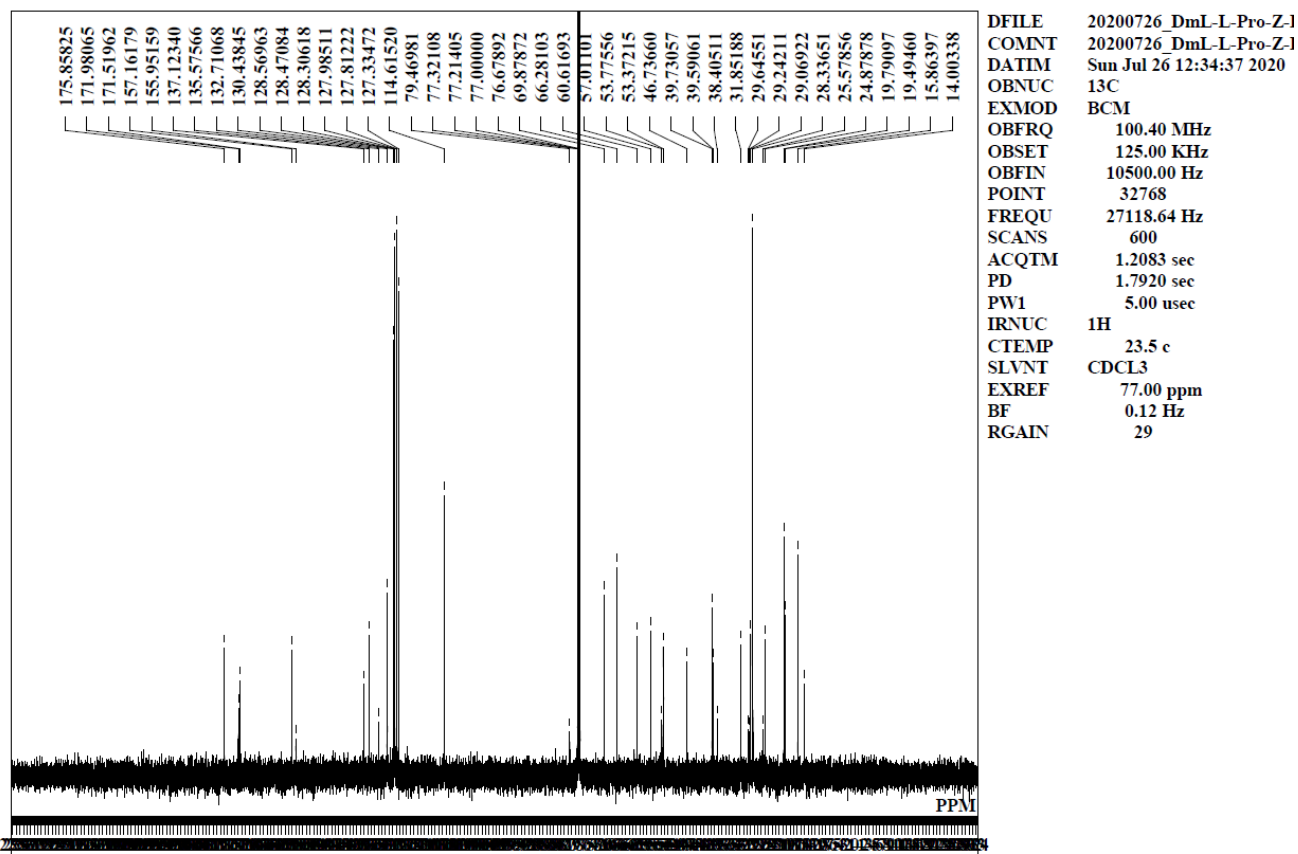
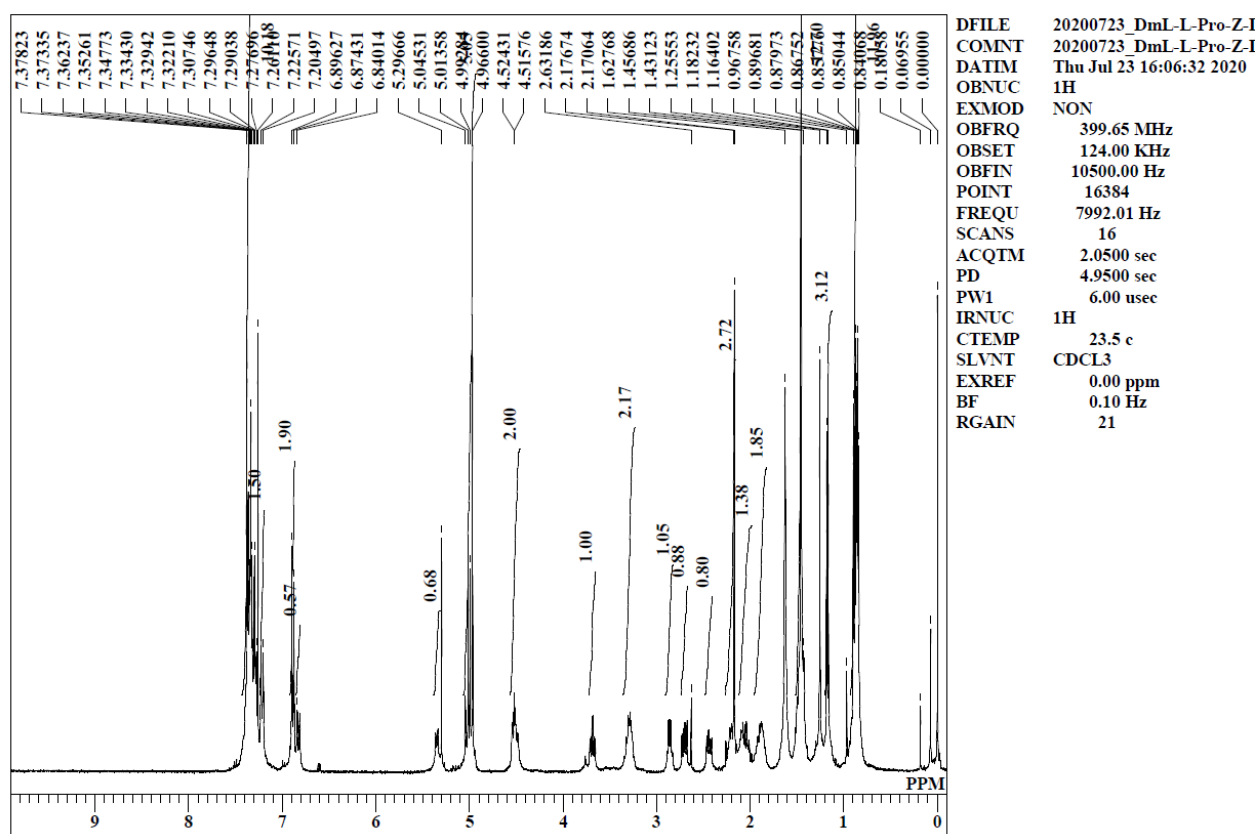


Figure S11. ¹H and ¹³C NMR spectra of compound 23

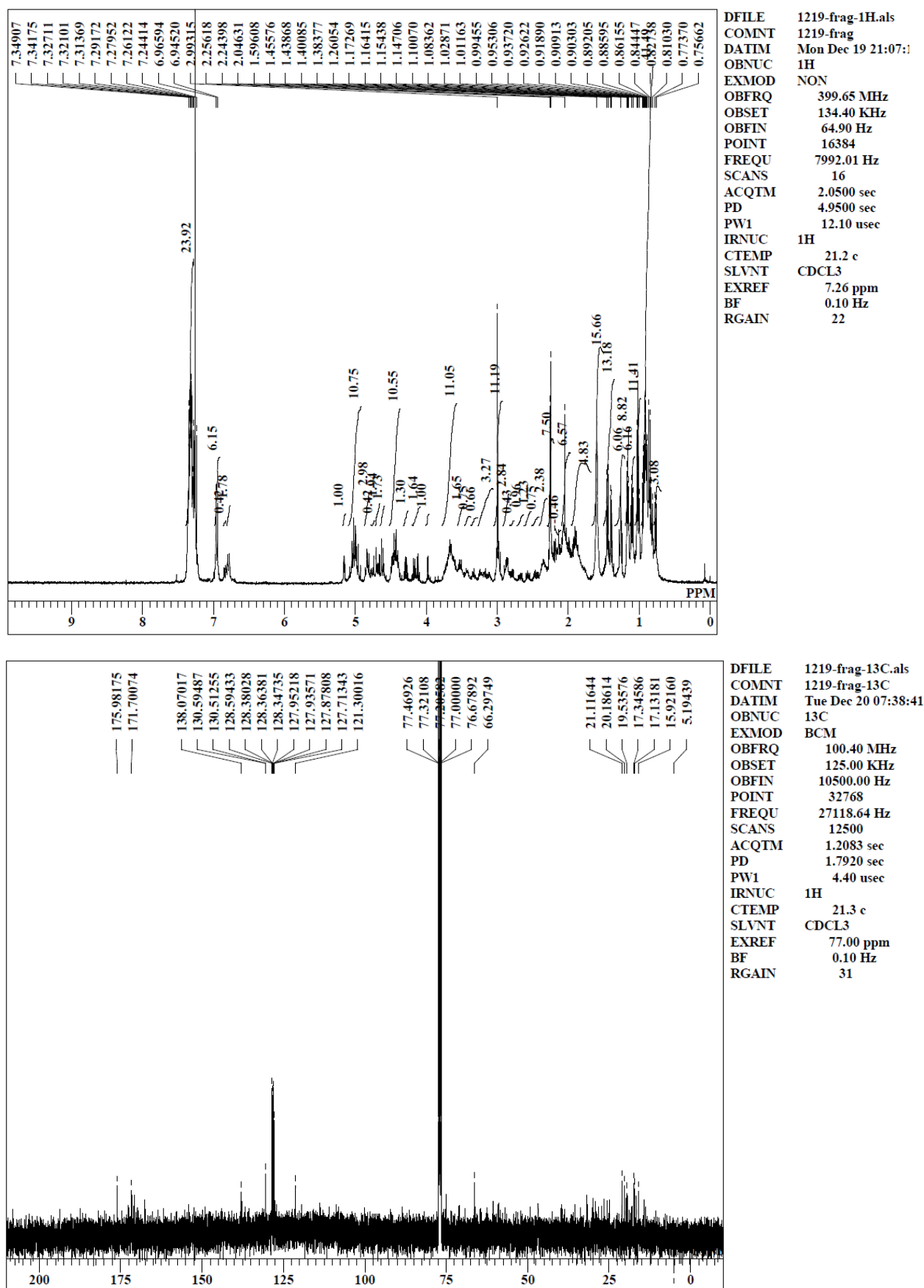
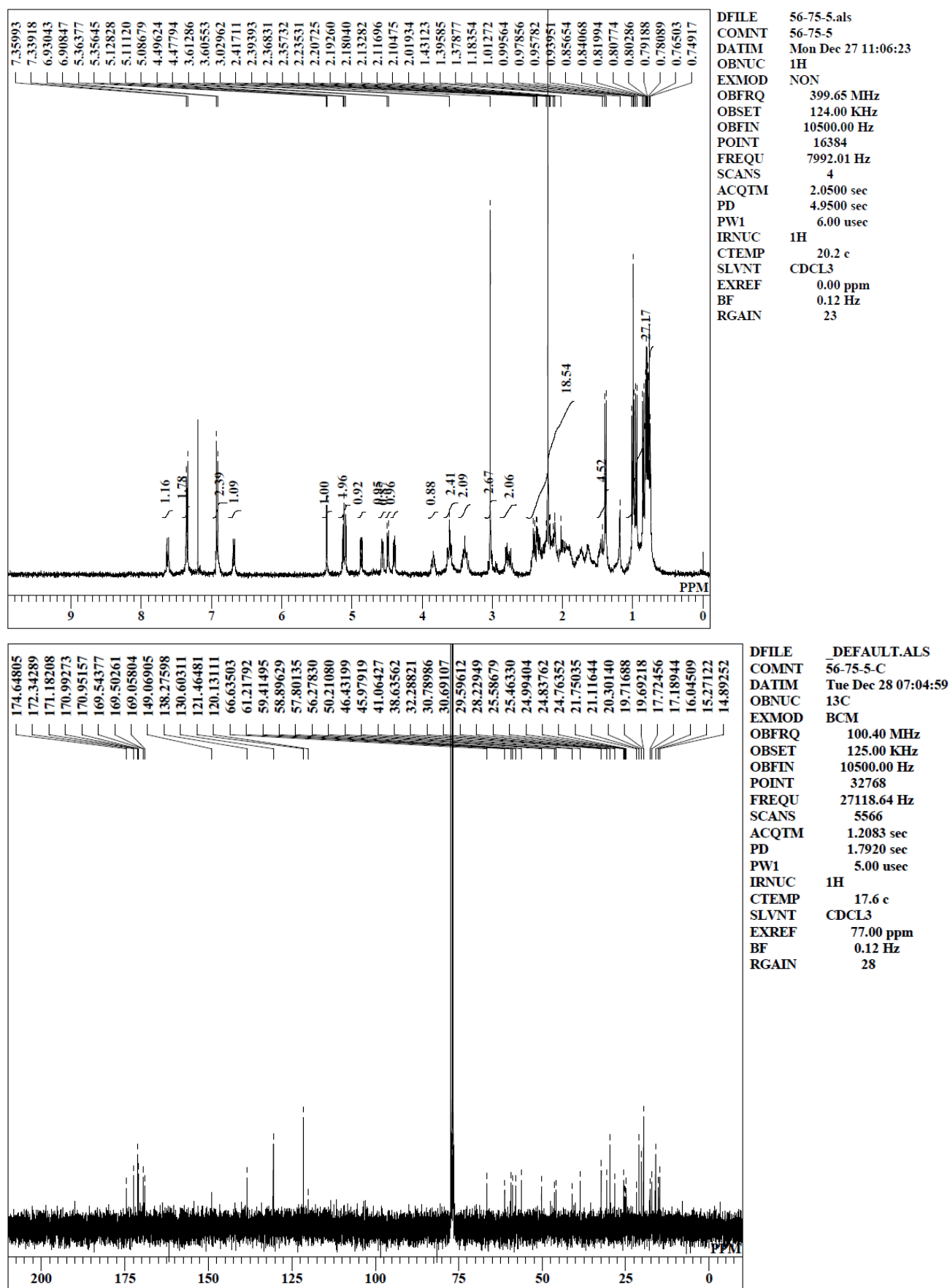


Figure S12. ¹H and ¹³C NMR spectra of compound 24



¹H NMR spectrum (top): The spectrum shows peaks in the aromatic region (6.5-7.5 ppm), a methine region (3.5-4.5 ppm), and an aliphatic region (1.0-2.5 ppm). Integration values are shown above the peaks: 10.69 for the aromatic region and 3.00 for the methine region. The x-axis is labeled PPM and ranges from 0 to 9.

¹³C NMR spectrum (bottom): The spectrum shows peaks from 15.97 to 172.08 ppm. The x-axis is labeled PPM and ranges from 0 to 200.

Acquisition Parameters:

Parameter	Value
DFILE	56-45-2.als
COMNT	56-45-2
DATIM	Mon Nov 29 08:16:22 2021
OBNUC	¹ H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	16384
FREQU	7992.01 Hz
SCANS	4
ACQTM	2.0500 sec
PD	4.9500 sec
PW1	6.00 usec
IRNUC	¹ H
CTEMP	21.7 c
SLVNT	CDCL3
EXREF	0.00 ppm
BF	0.12 Hz
RGAIN	22

Acquisition Parameters:

Parameter	Value
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EXMOD	BCM
OBFRQ	100.40 MHz
OBSET	125.00 KHz
OBFIN	10500.00 Hz
POINT	32768
FREQU	27118.64 Hz
SCANS	11775
ACQTM	1.2083 sec
PD	1.7920 sec
PW1	5.00 usec
IRNUC	¹ H
CTEMP	21.2 c
SLVNT	CDCL3
EXREF	77.00 ppm
BF	0.12 Hz
RGAIN	28

Figure S14. ^1H and ^{13}C NMR spectra of compound **29**

