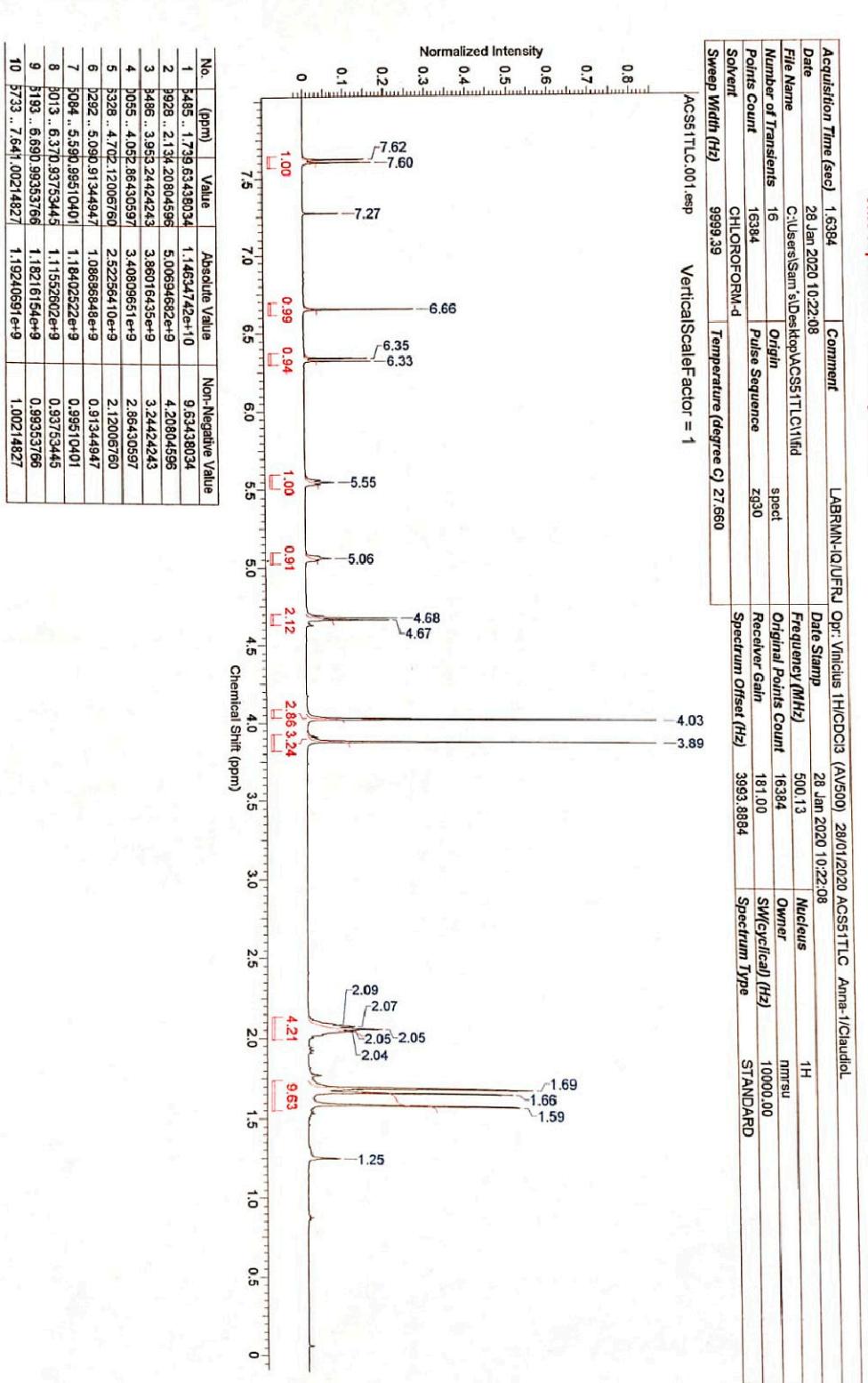


**Synthesis of altissimacoumarin D and other prenylated coumarins and  
their ability to reverse the multidrug resistance phenotype in *Candida*  
*albicans***

**Supplementary information**

$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra

**Figure S1.**  $^1\text{H}$  NMR spectra of ACS51.

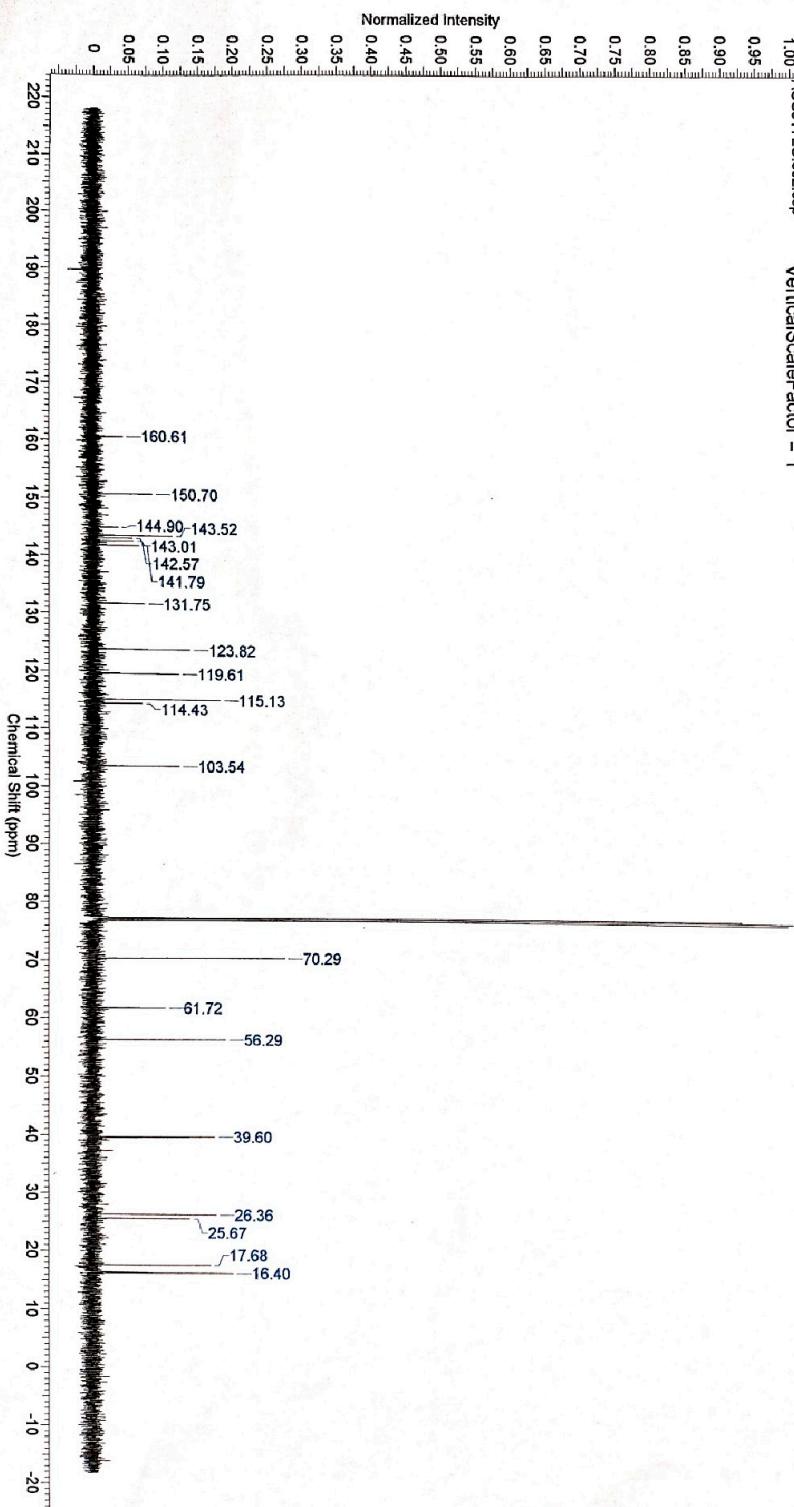


**Figure S2.**  $^{13}\text{C}$  NMR spectra of ACS51.

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28/01/2020 13:03:48

Acquisition Time (sec)	1.1010	Comment	LABRMN-IQUFRJ Opr: Unिलूस 13C(H)CDCl3 (AN500) 28/01/2020 ACS51TLC_Amar2ClaudioL_38.mng
Date	28-Jan-2020 10:37:04	Date Stamp	28-Jan-2020 10:37:04
File Name	C:\Users\Sam\Downloads\ACS51TLC2\fid	Nucleus	$^{13}\text{C}$
Number of Transients	240	Origin	spect
Points Count	32768	Original Points Count	32768
Pulse Sequence	zgpg30	Receiver Gain	203.00
Solvent	CHLOROFORM-d	Spectrum Offset (Hz)	12575.7842
Temperature (degree C)	27.760	Spectrum Type	STANDARD
		VerticalScaleFactor	= 1



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07/02/2020 12:02:28

Acquisition Time (sec)	4.0394	Comment	LABRMN1QUFRJ	Opn: Vincius 1HCDQ3 (Av400)	Date Stamp	07 Feb 2020 11:06:56	Nucleus	Anna-1Claudio.lopes	
Date	07 Feb 2020 11:06:56	File Name	C:\Users\Sam\Desktop\ACS50\FEV\1fid	Frequency (MHz)	400.13	Origin	spect	1H	
Number of Transients	16	Original Points Count	32768	Owner	nmsu	Pulse Sequence	2330	SW(cyclic) (Hz)	8012.82
Points Count	32768	Receiver Gain	56.63	Spectrum Offset (Hz)	2467.9011	Spectrum Type	STANDARD	Sweep Width (Hz)	8012.88
Solvent	CHLOROFORM-d	VerticalScaleFactor	1						

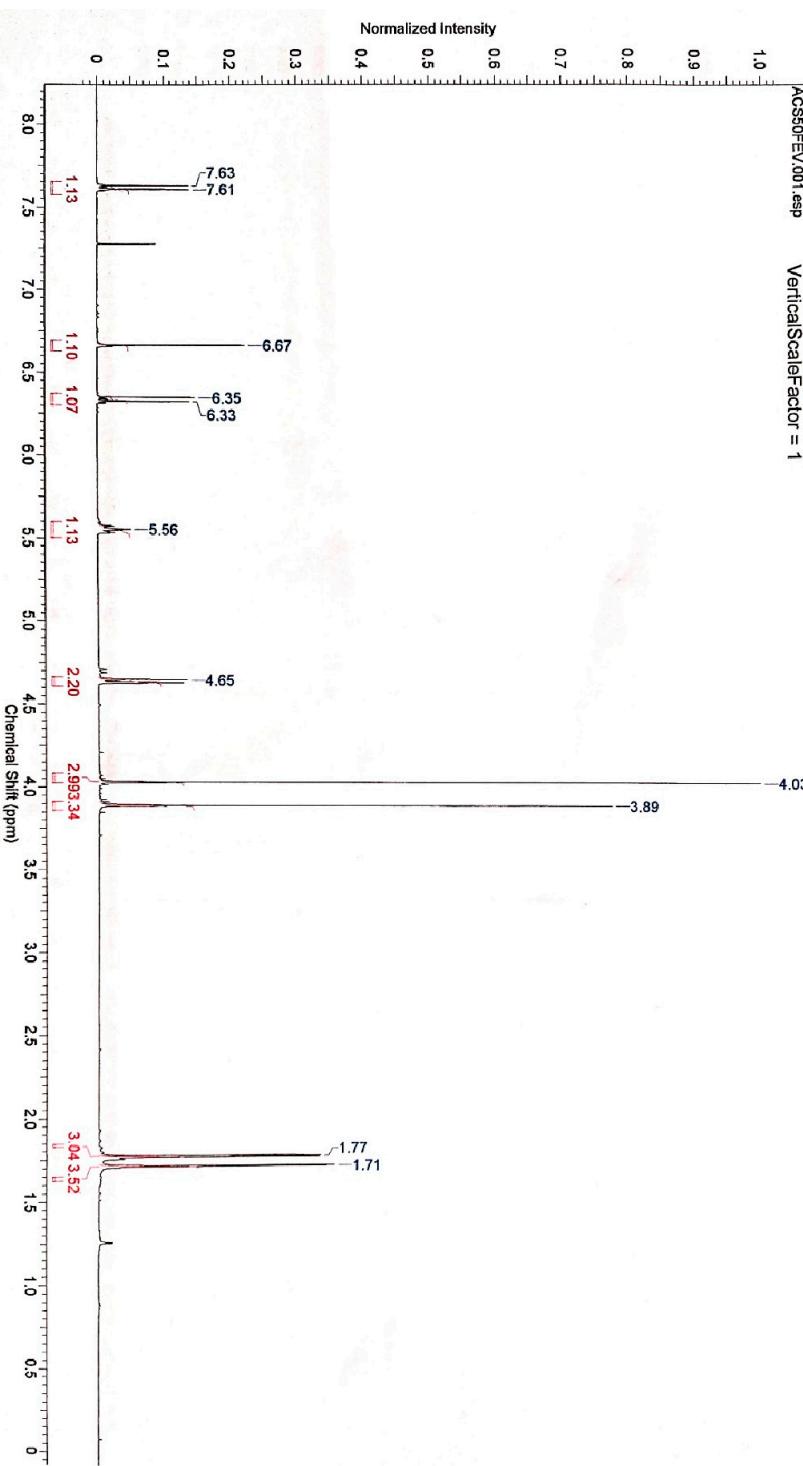


Figure S3.  $^1\text{H}$  NMR spectra of ACS50.

Acquisition Time (sec)	1.3631	Comment	LABRMN10UFRJ	Op:	Vinicius 13CH(CDC13 (Av400) 07/02/2020 ACS50FEV Anna-2/Claudiolopes 38 mg
Date	07 Feb 2020 11:34:40		Date Stamp	07 Feb 2020 11:34:40	
File Name	C:\Users\Sam's\Desktop\2\fid		Frequency (MHz)	100.61	Nucleus
Number of Transients	431	Origin	Original Points Count	32768	Owner
Points Count	32768	Pulse Sequence	Receiver Gain	200.49	SW(cyclical) (Hz)
Solvent	CHLOROFORM-d	Spectrum Offset (Hz)	10079.6758	Spectrum Type	24033.46
					Sweep Width (Hz)
					24037.73

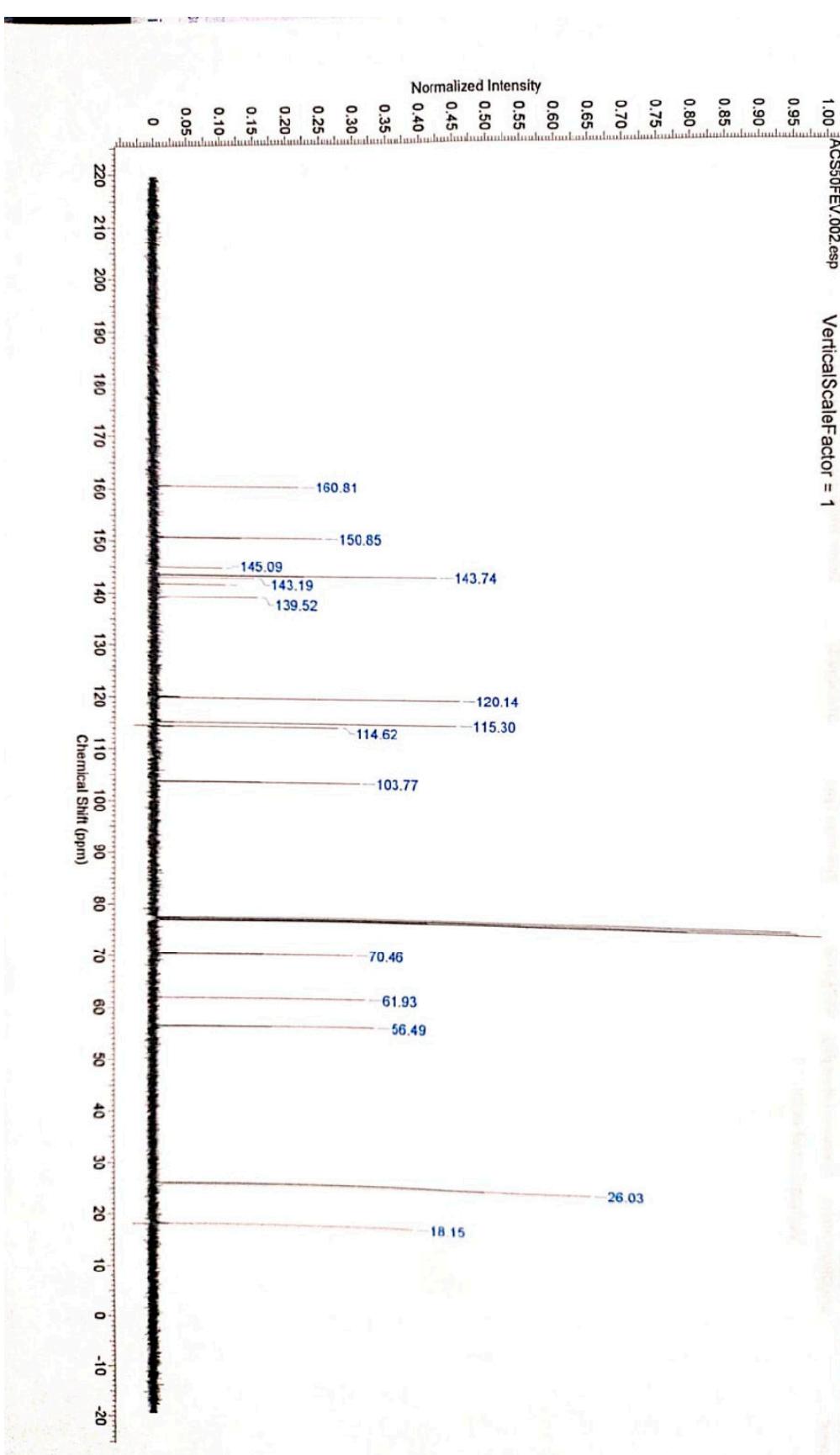
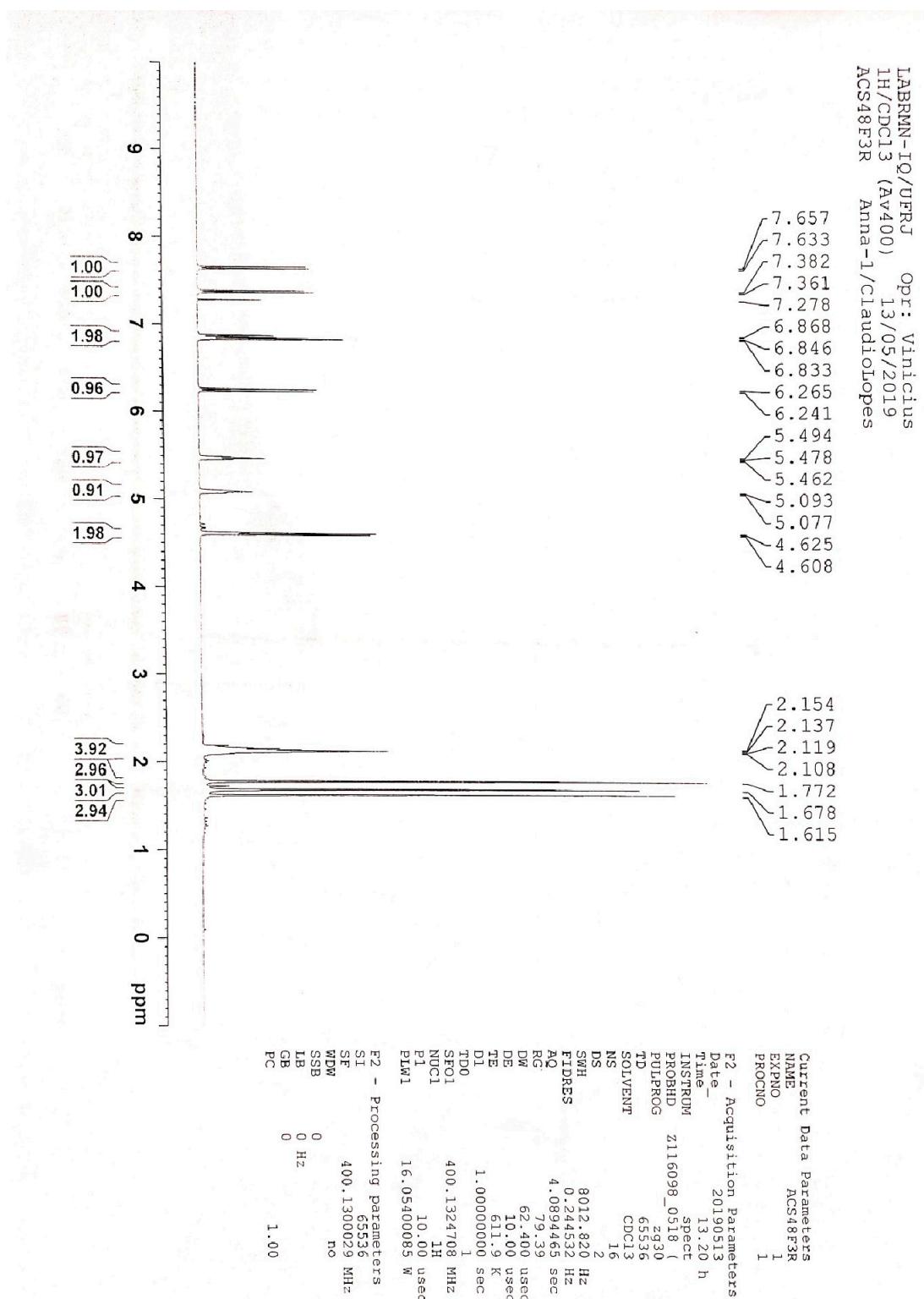
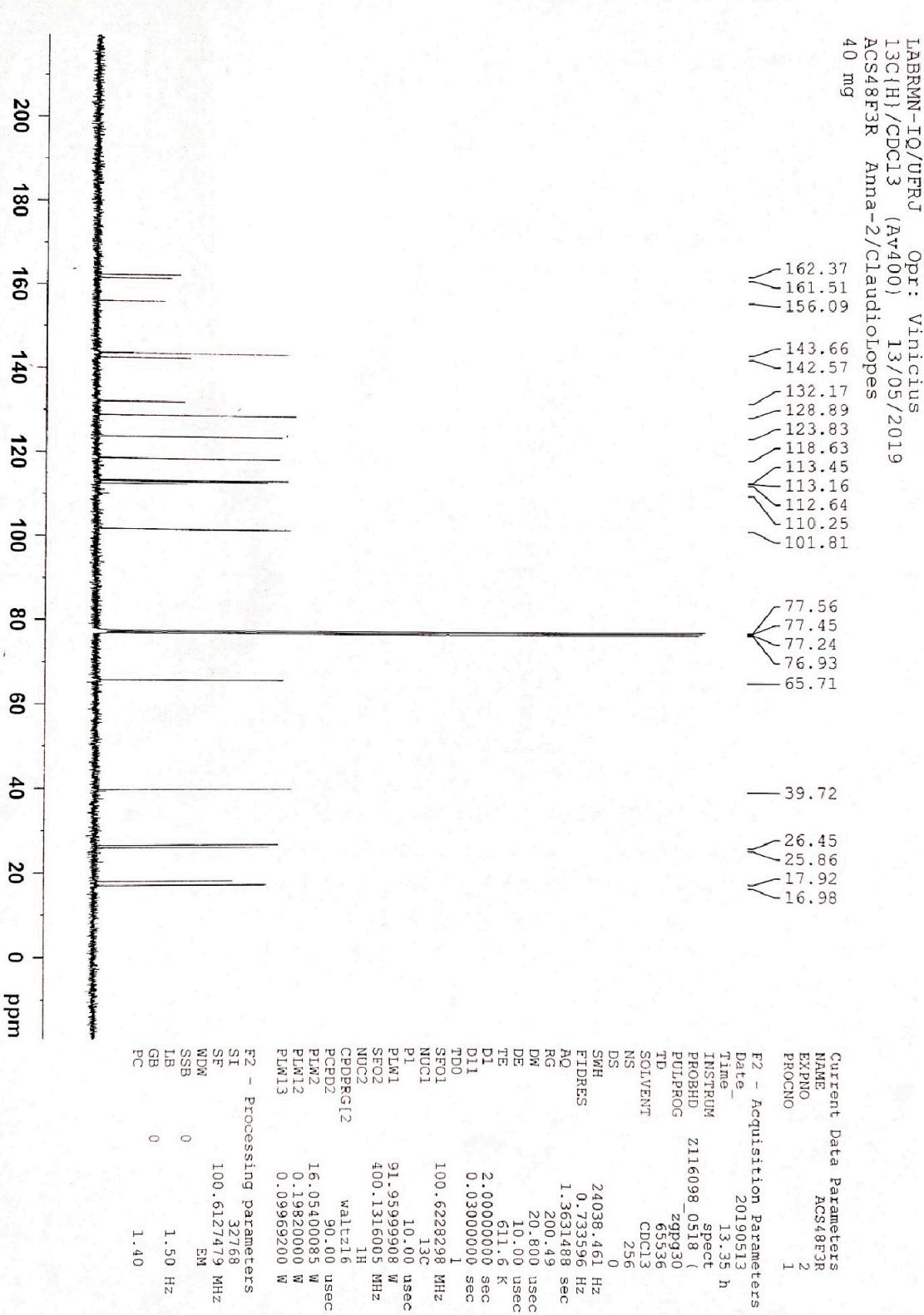


Figure S4. <sup>13</sup>C NMR spectra of ACS50.

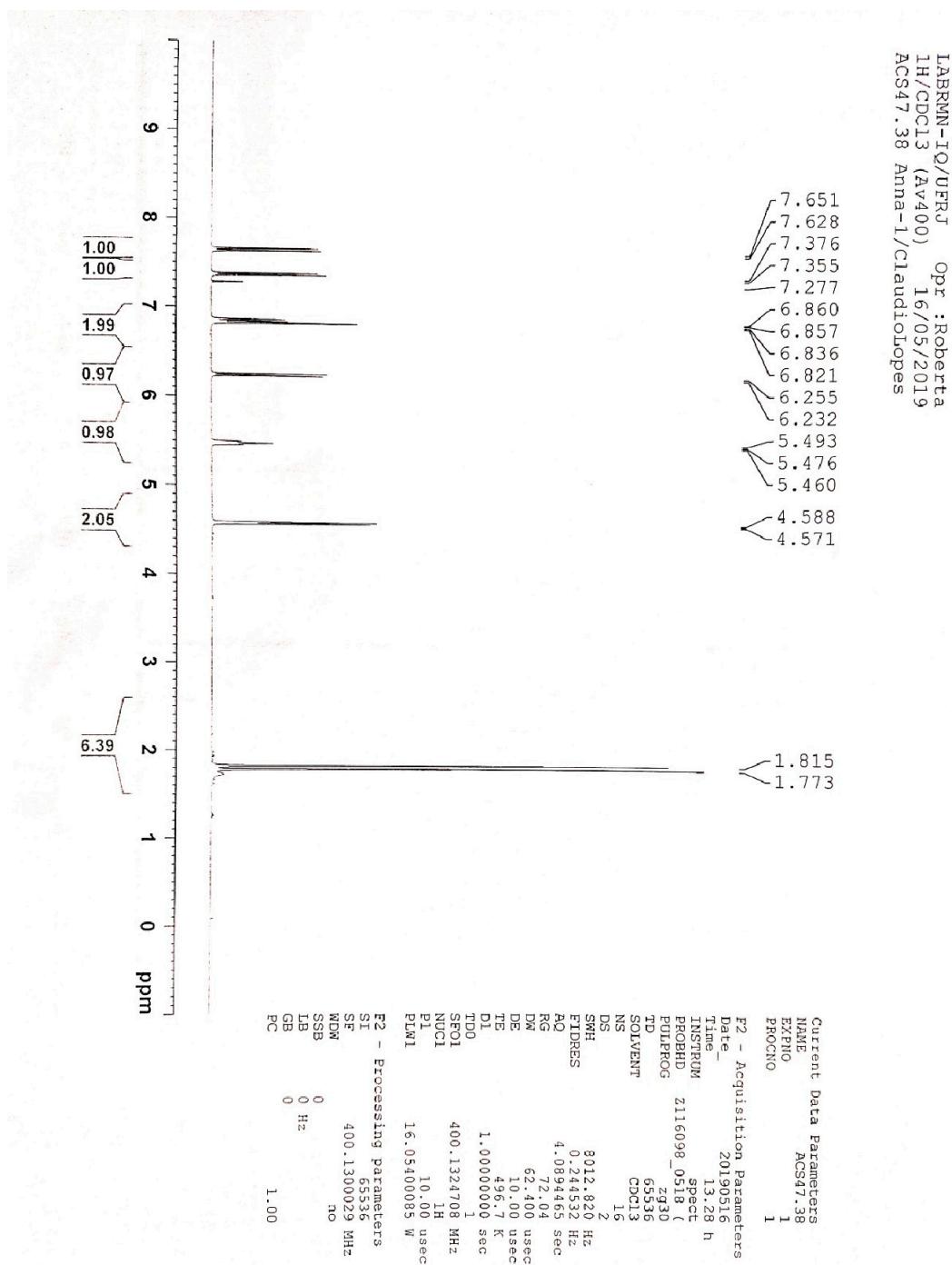
**Figure S5.**  $^1\text{H}$  NMR spectra of ACS48.



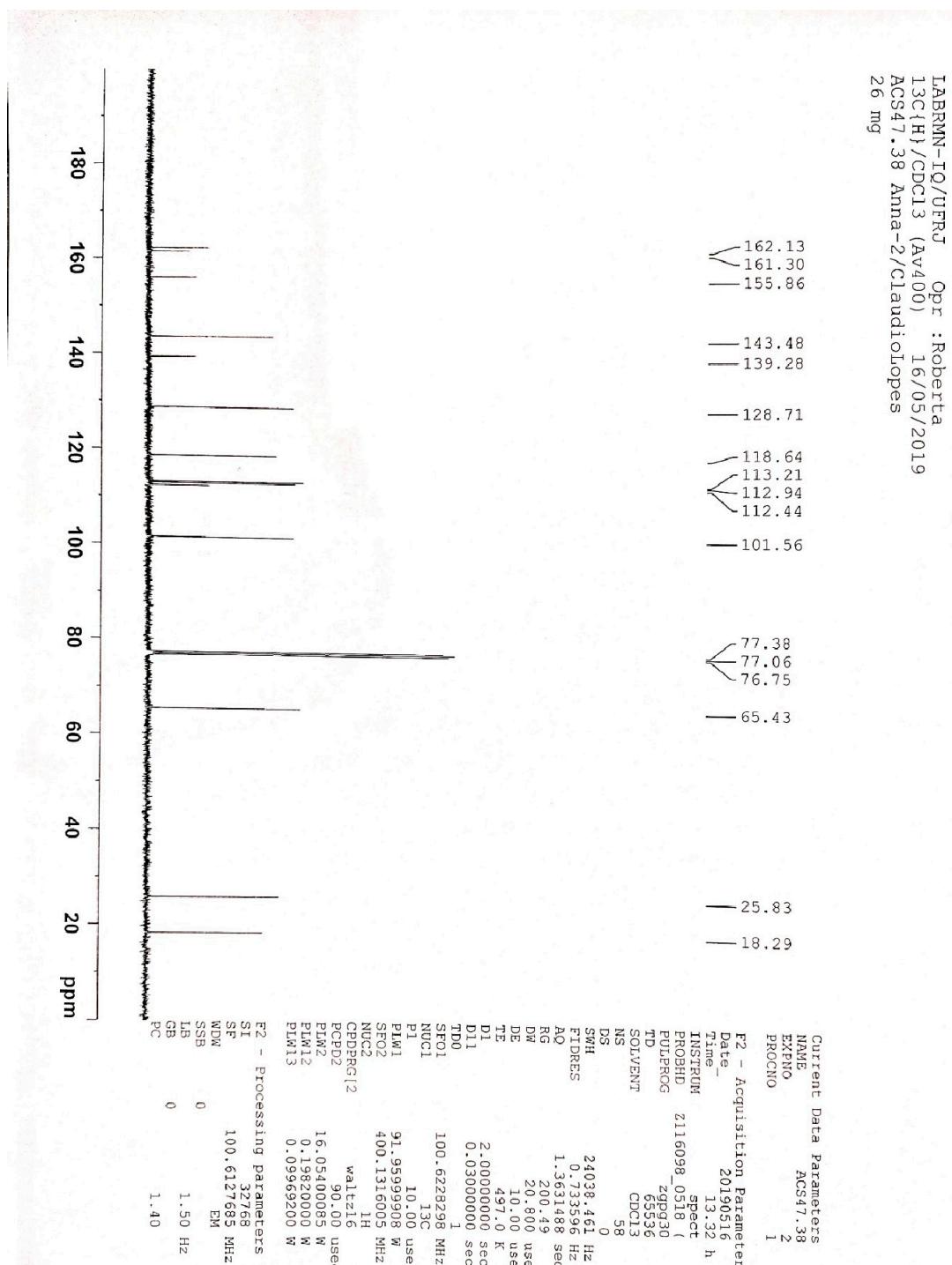
**Figure S6.**  $^{13}\text{C}$  NMR spectra of ACS48.



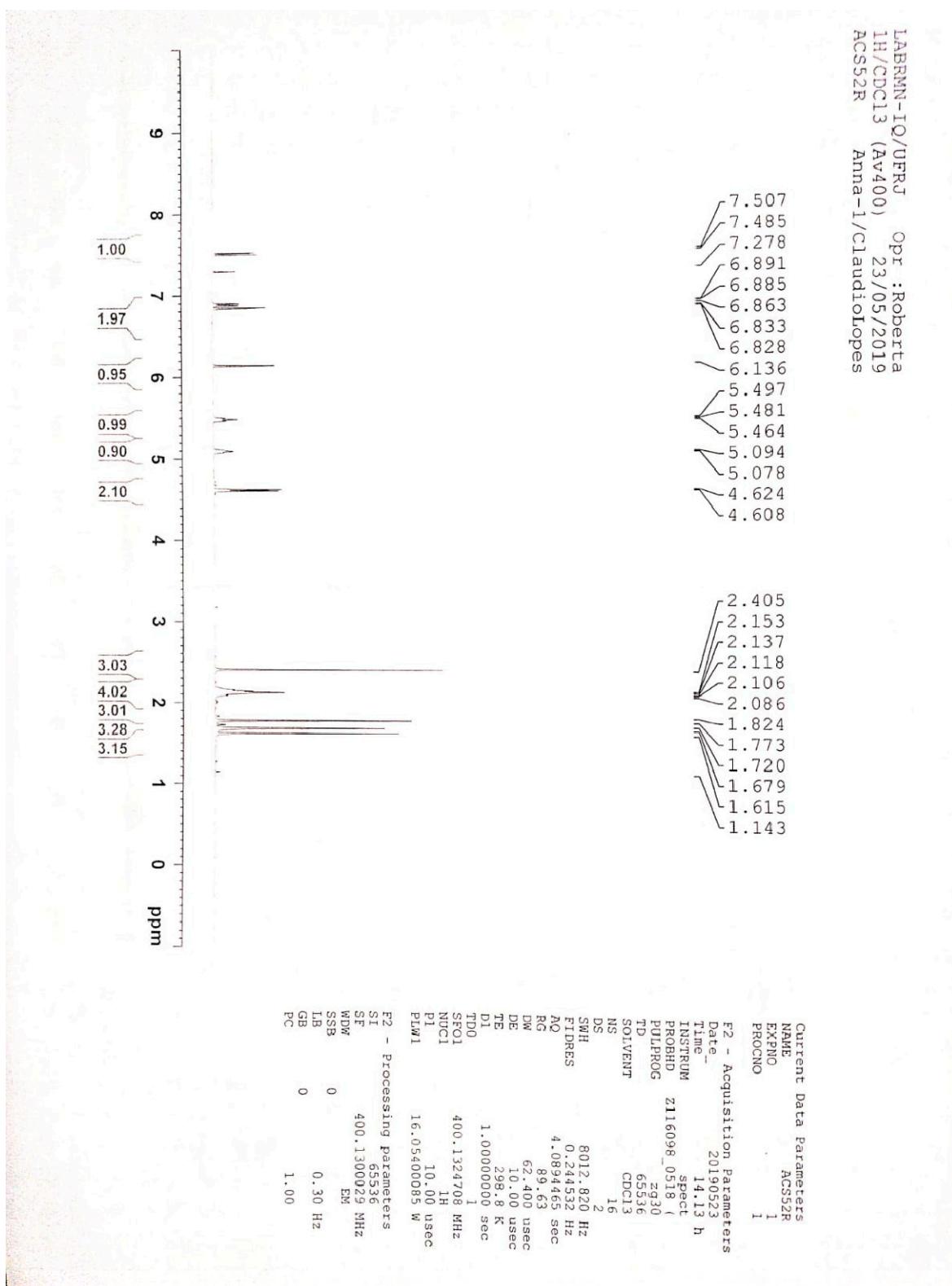
**Figure S7.**  $^1\text{H}$  NMR spectra of ACS47.



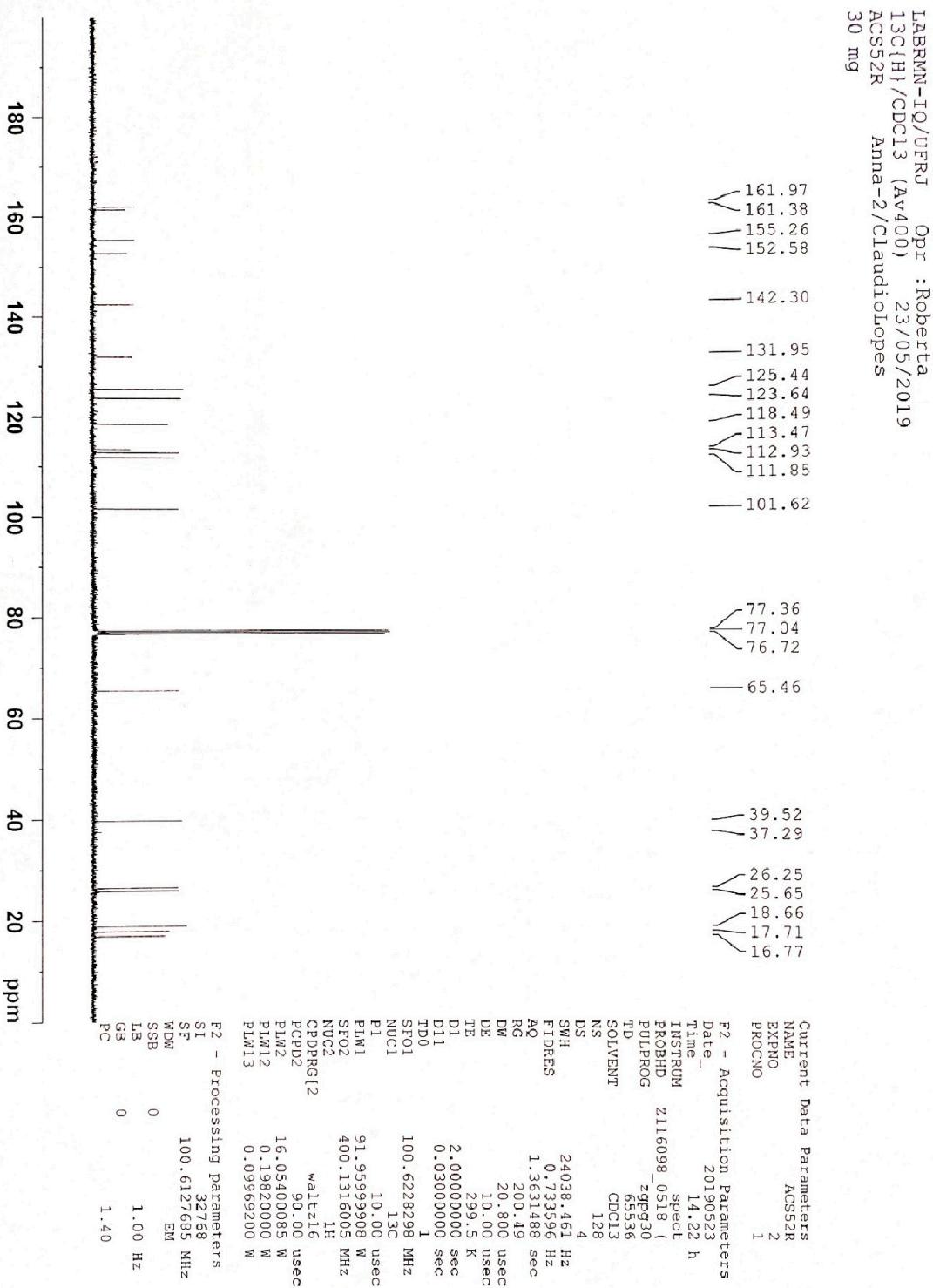
**Figure S8.**  $^{13}\text{C}$  NMR spectra of ACS47.



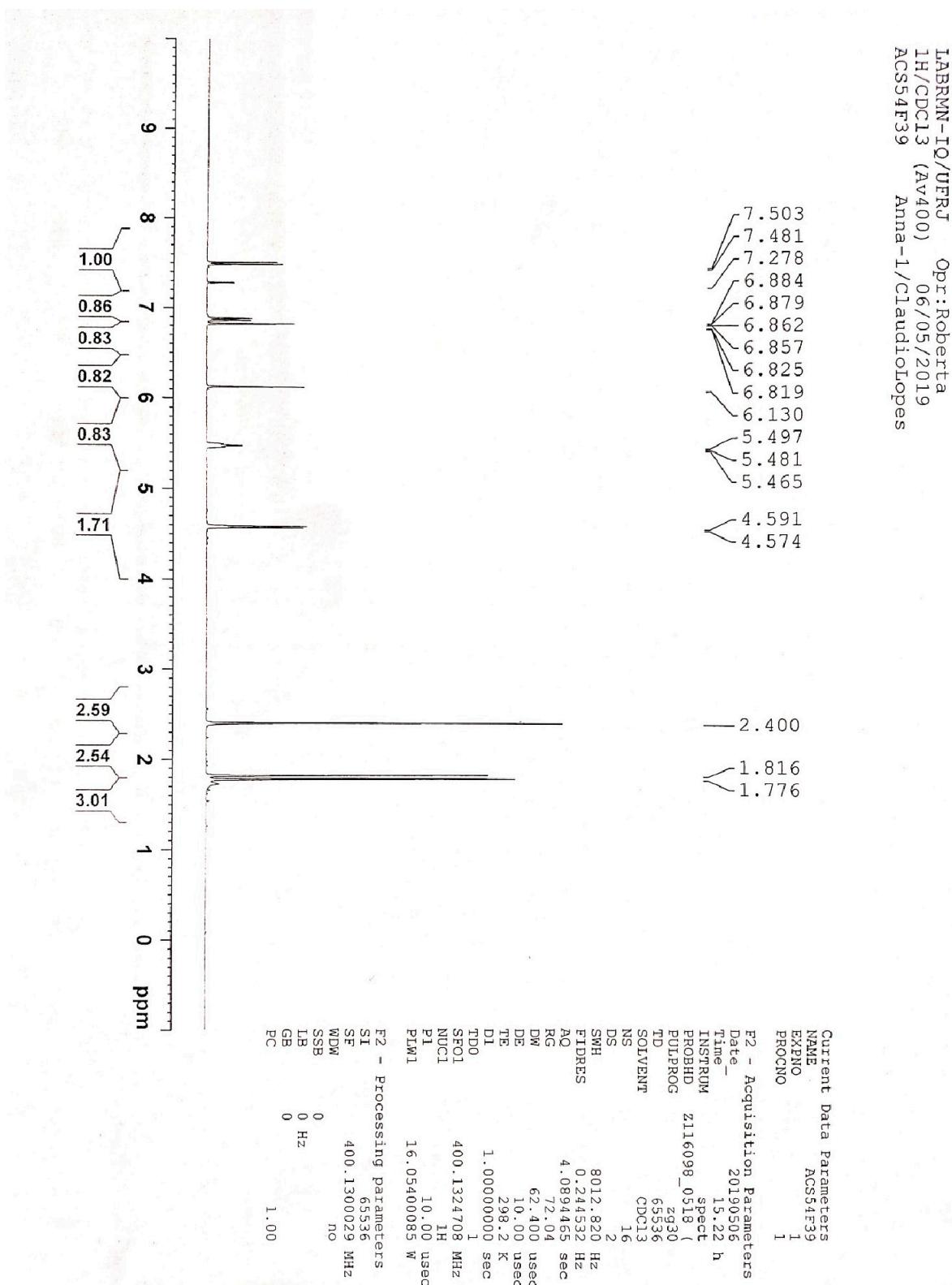
**Figure S9.**  $^1\text{H}$  NMR spectra of ACS52.



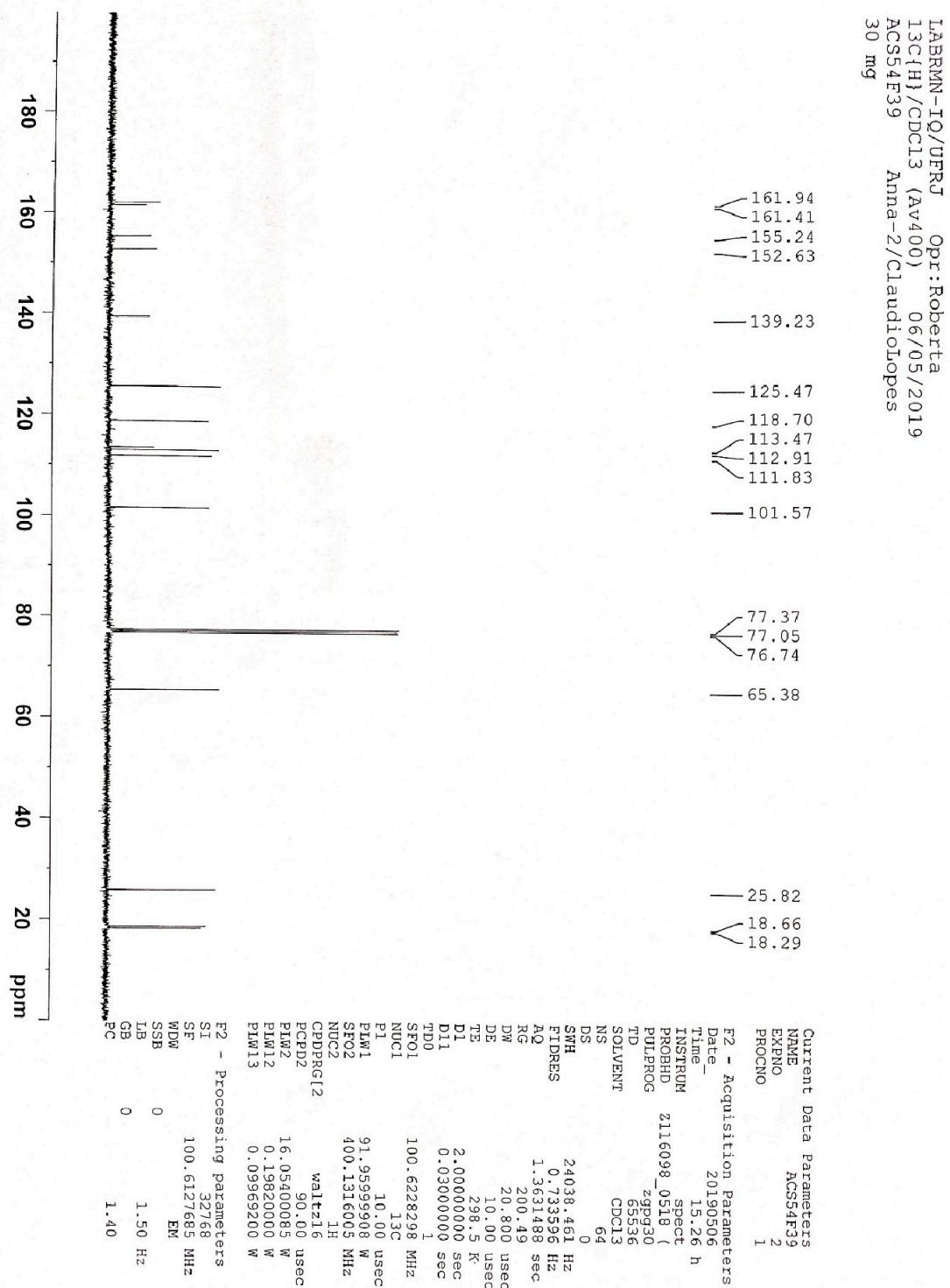
**Figure S10.**  $^{13}\text{C}$  NMR spectra of ACS52.



**Figure S11.**  $^1\text{H}$  NMR spectra of ACS54.



**Figure S12.**  $^{13}\text{C}$  NMR spectra of ACS54.



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04/10/2019 12:55:11

Acquisition Time (sec)	1.6384	Comment	LABRMN-IQ/UFRJ	Ordr: Roberta 1H/CDCl3 (AV500)	04/10/2019 ACS56R_Amina-1/Claudio_
Date	04 Oct 2019 10:58:24	Date Stamp		04 Oct 2019 10:58:24	
File Name	C:\USERS\LAISAPE\DESKTOP\ACS56R\1-FID	Frequency (MHz)	500.13	Nucleus	1H
Number of Transients	16	Original Points Count	16384	Owner	nmsru
Points Count	16384	Pulse Sequence	zg30	SW(Critical) (Hz)	10000.00
Solvent	CHLOROFORM-d	Spectrum Offset (Hz)	3981.6399	Spectrum Type	STANDARD
Sweep Width (Hz)	9999.39	Temperature (degree C)	28.160		
		VerticalScaleFactor	= 1		
		AC56R.001.esp			

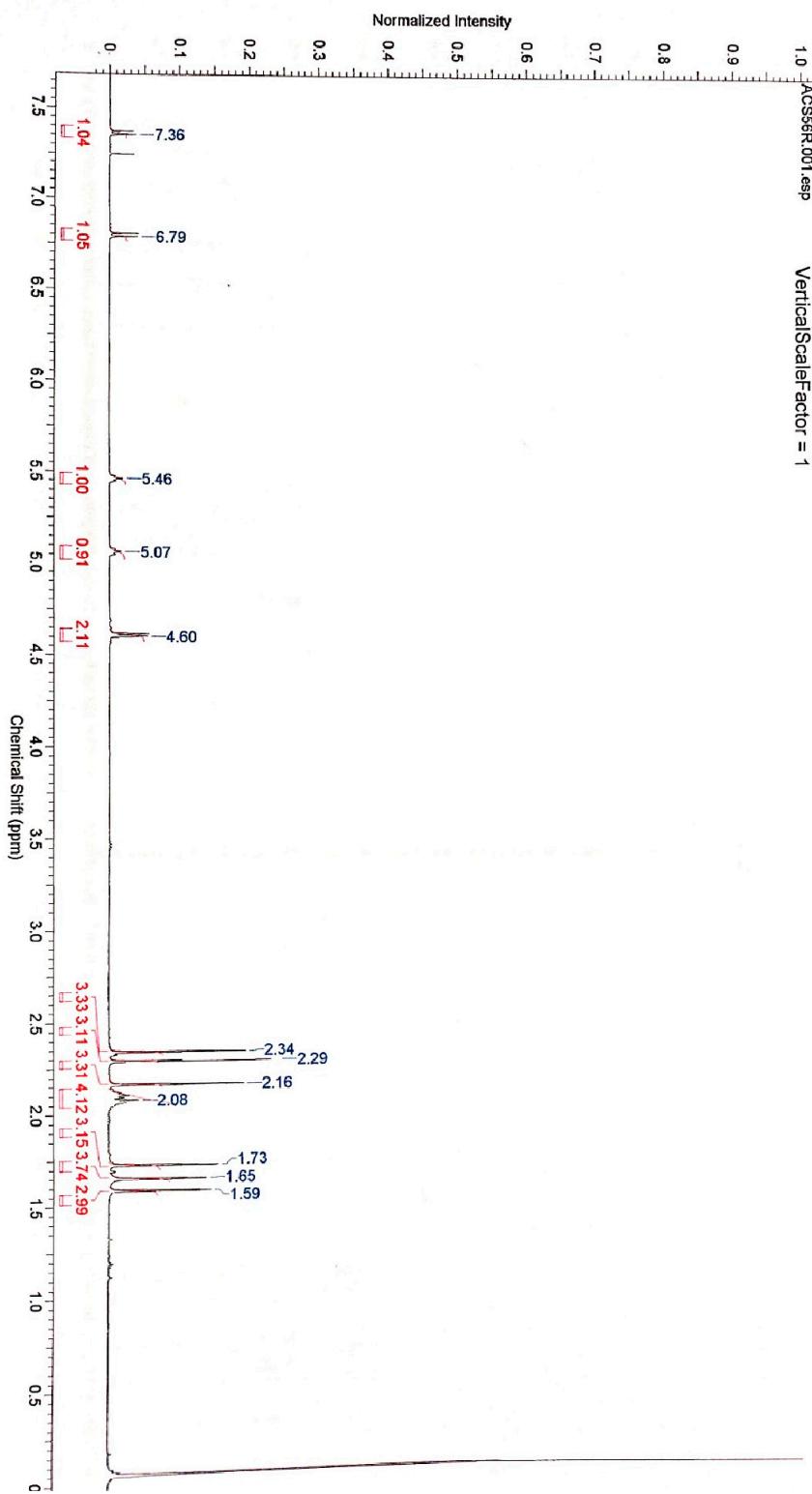


Figure S13. <sup>1</sup>H NMR spectra of ACS56.

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04/10/2019 13:42:52

Acquisition Time (sec)	1.10	Comment	LABRMN-1QUFRJ	Opn: Roberta 13C(H)ACD/C3 (AV760)	Date Stamp	04-Oct-2019 11:15:28	04/10/2019 ACS56R	Anna-20/Claudia-33 mg
File Name	C:\USERS\LASAPEDE\DESKTOP\ACS56R\2\FID	Frequency (MHz)	125.76	Nucleus	13C			
Number of Transients	256	Origin	spect	Original Points Count	32768	Owner	nmsu	
Points Count	32768	Pulse Sequence	zgpg30	Receiver Gain	203.00	SW(Cyclical) (Hz)	29761.90	
Solvent	CHLOROFORM-d	Spectrum Offset (Hz)	12602.9551	Spectrum Type	STANDARD	Sweep Width (Hz)	29761.00	
Temperature (degree C)	28.760							

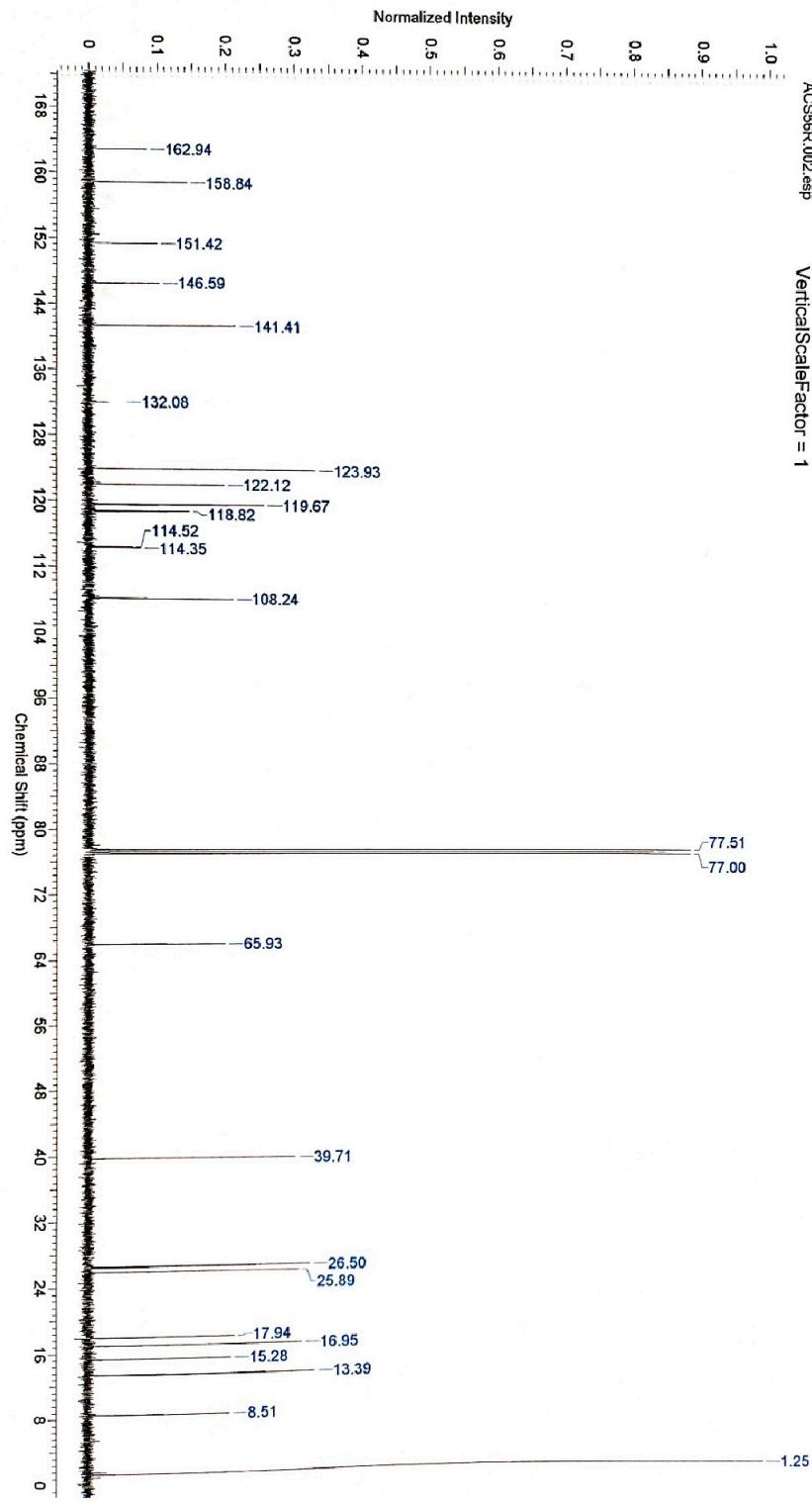
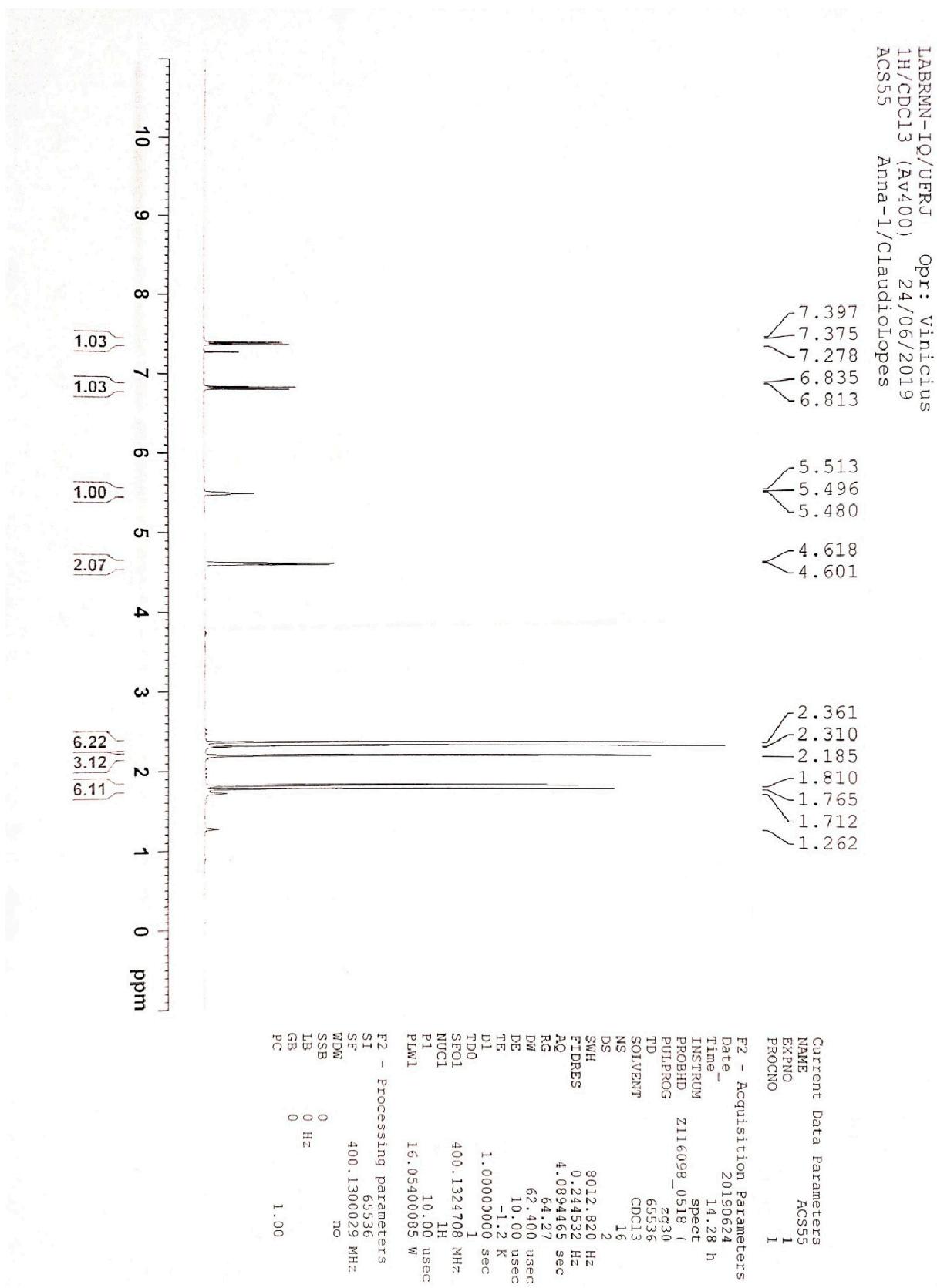


Figure S14. <sup>13</sup>C NMR spectra of ACS56.

**Figure S15.**  $^1\text{H}$  NMR spectra of ACS55.



**Figure S16.**  $^{13}\text{C}$  NMR spectra of ACS55.

