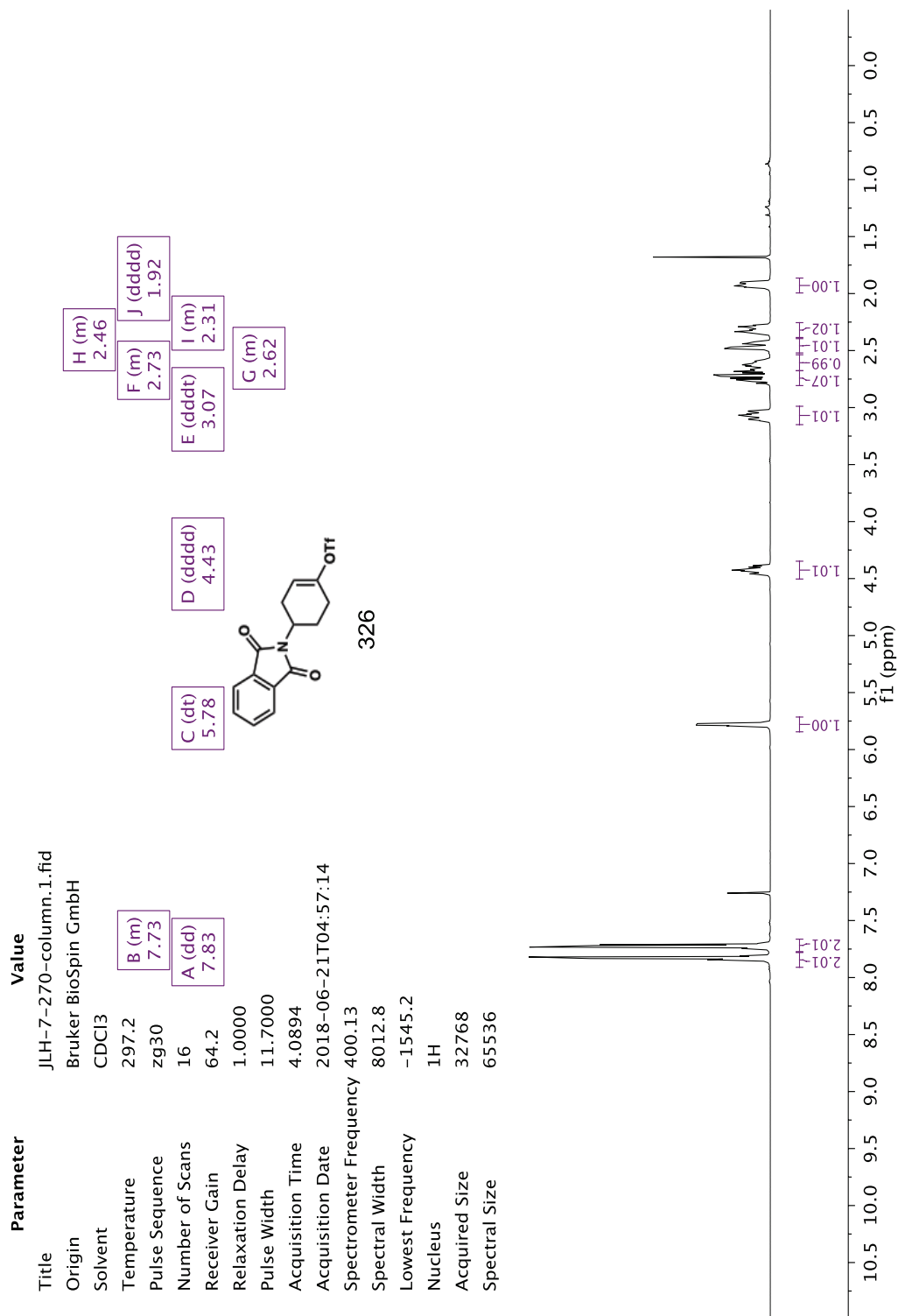
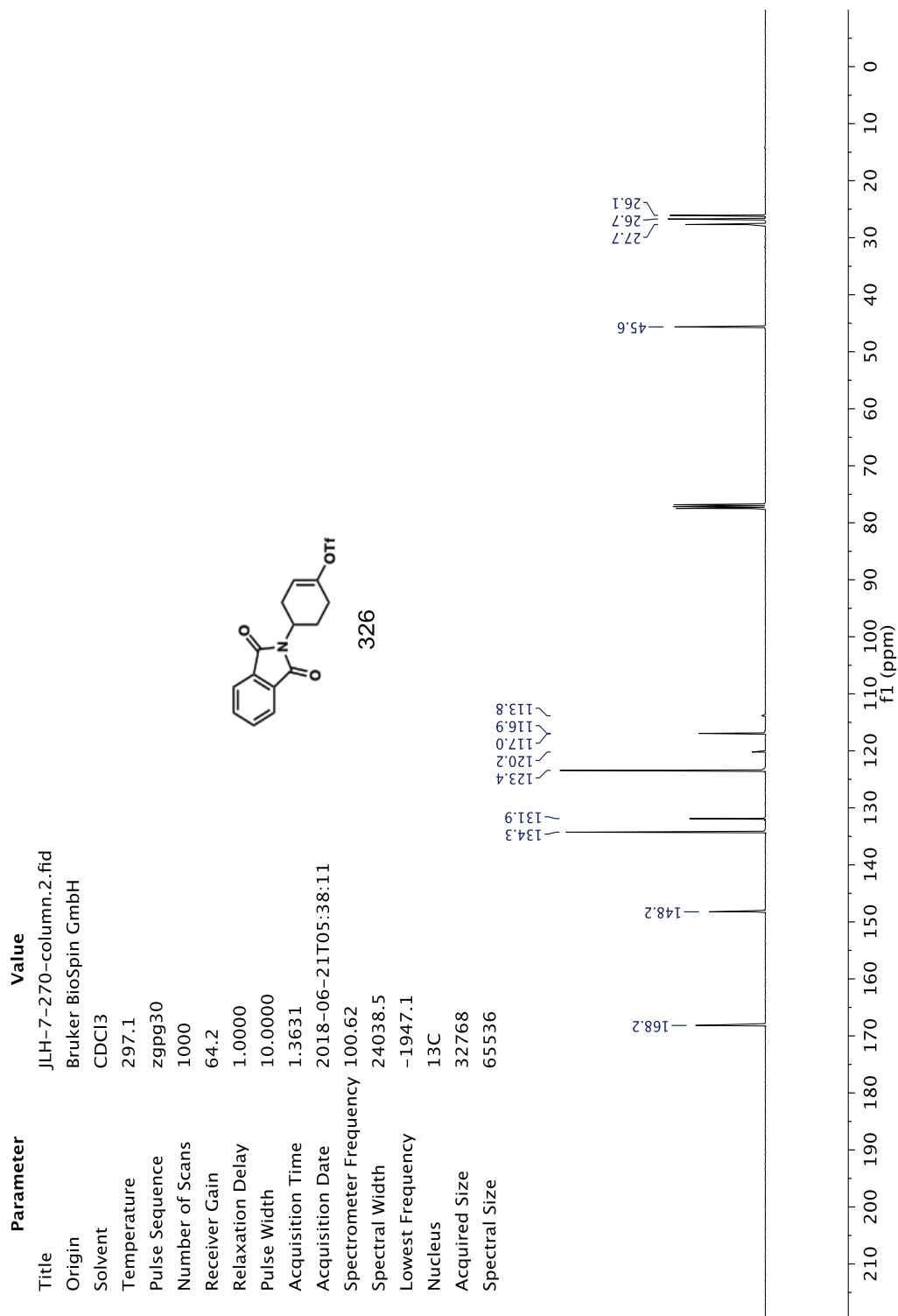


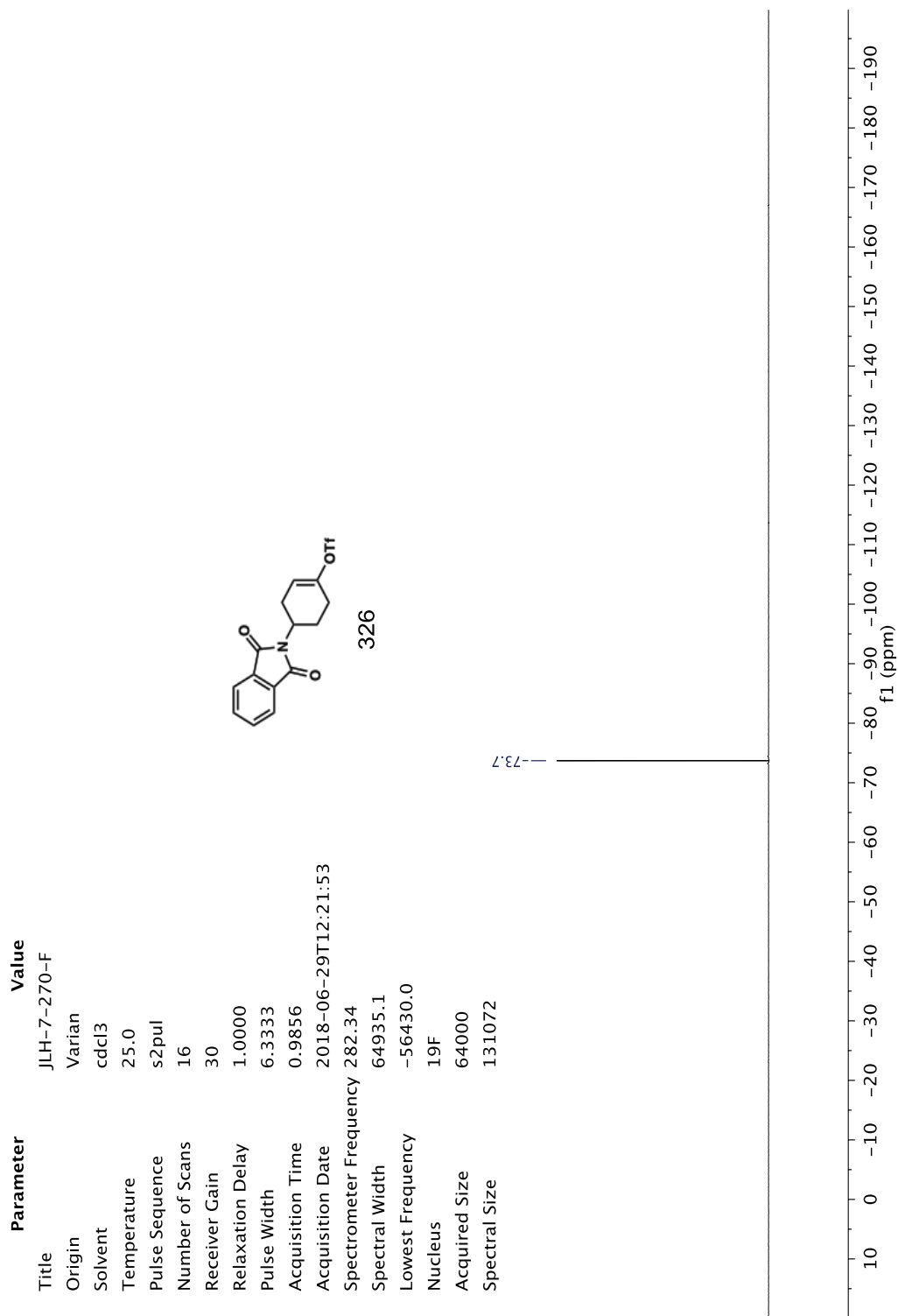
Appendix 3

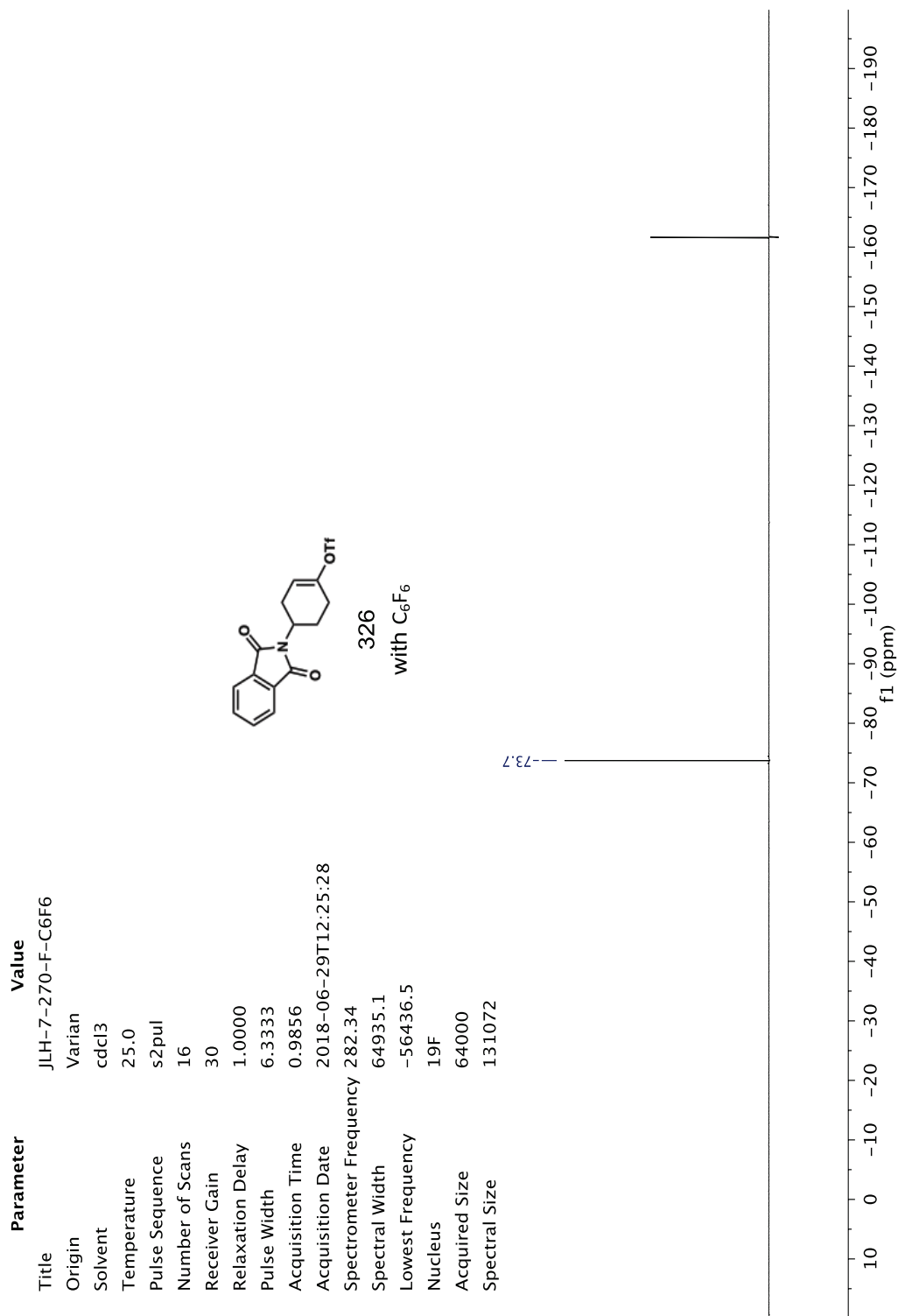
Spectra Relevant to Chapter 5:

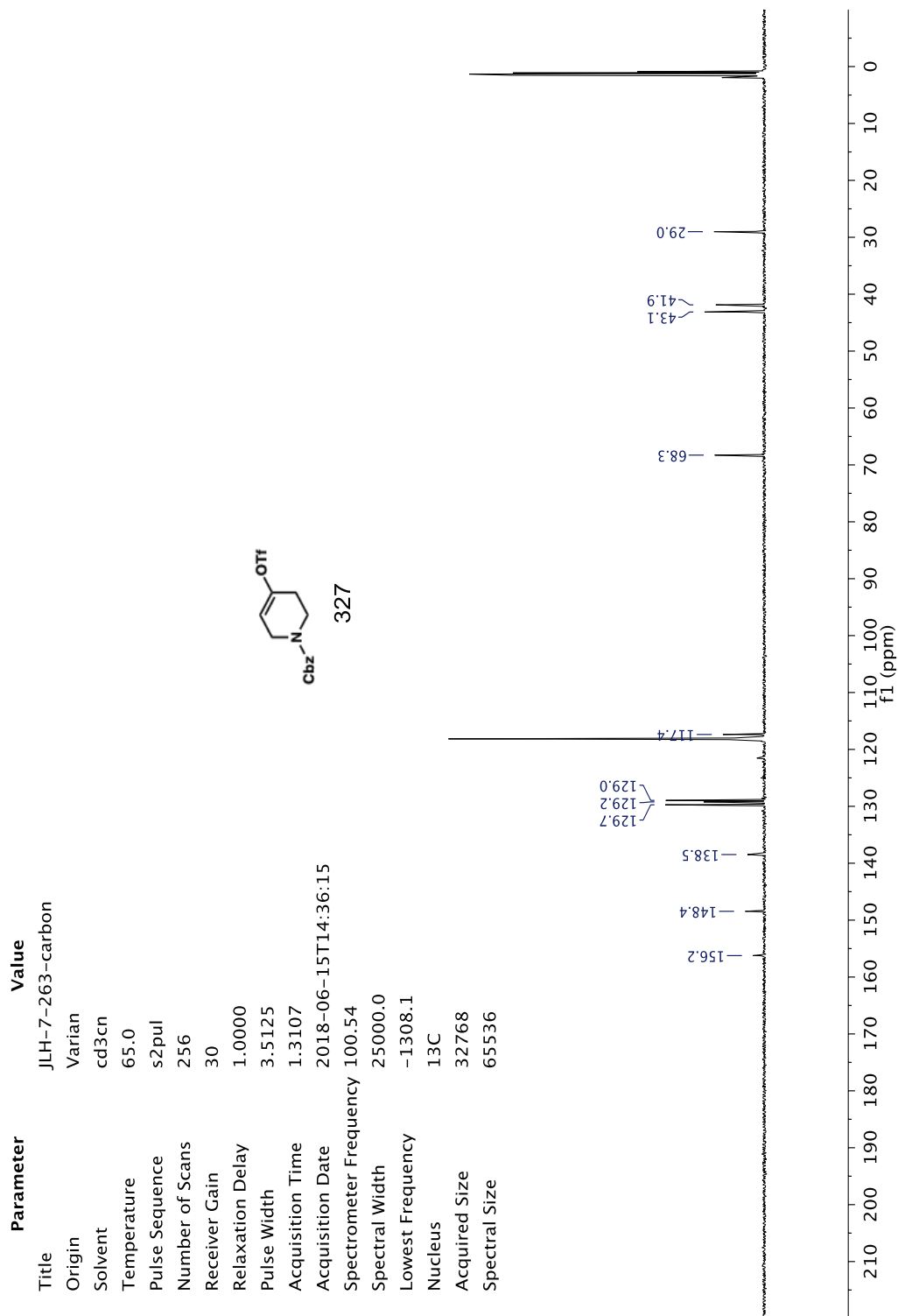
Nickel-Catalyzed Conversion of Enol Triflates to Alkenyl Halides

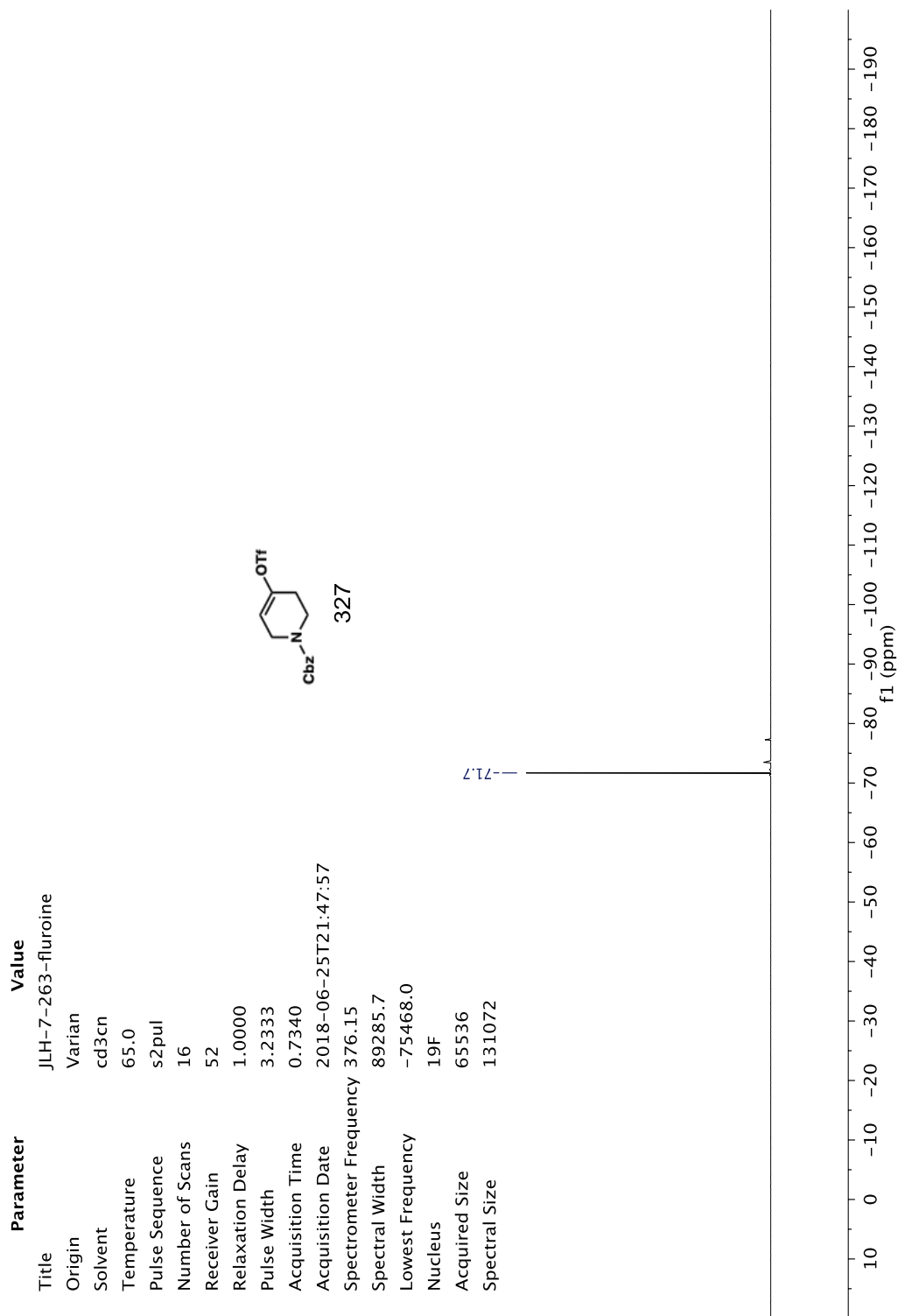


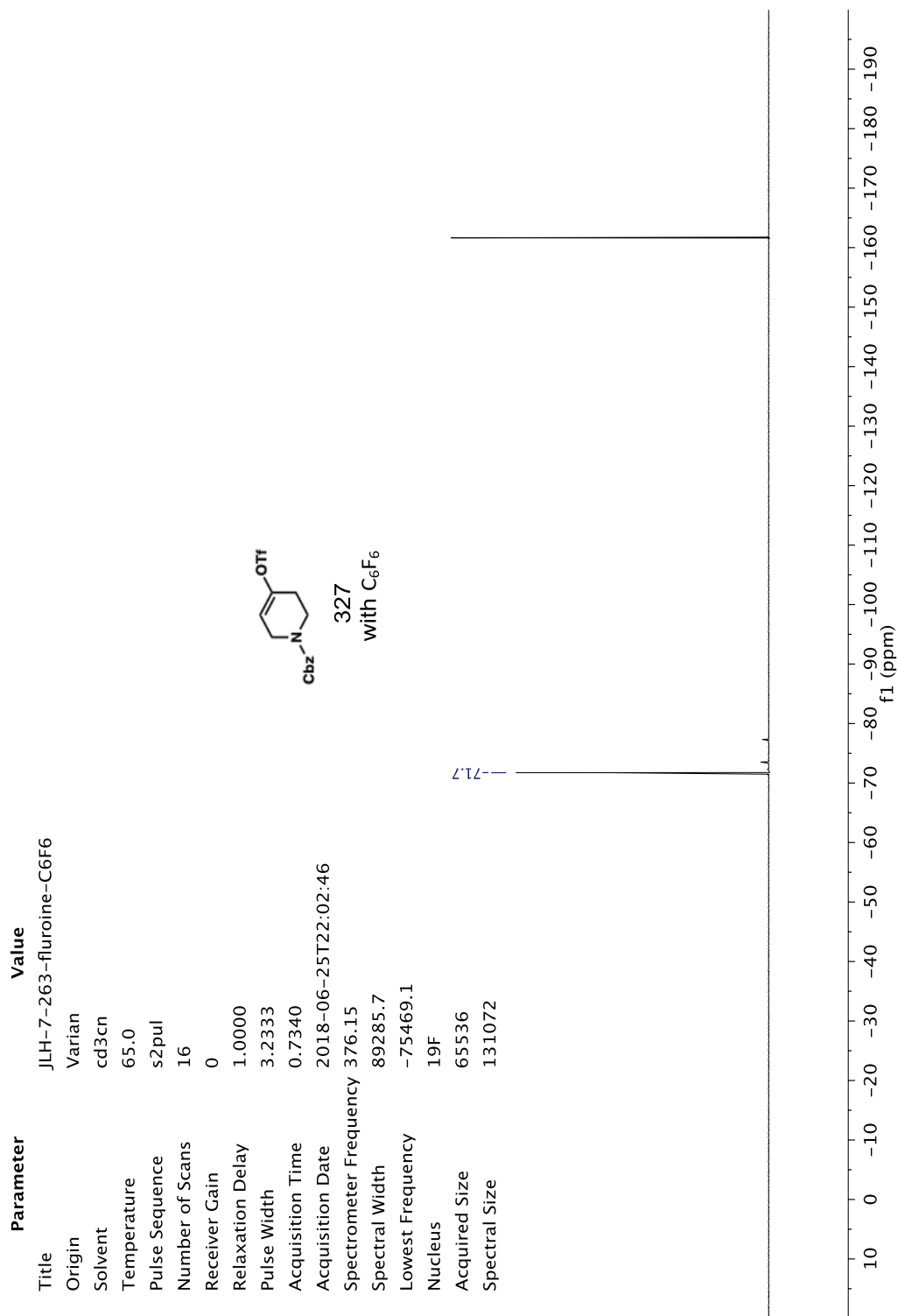


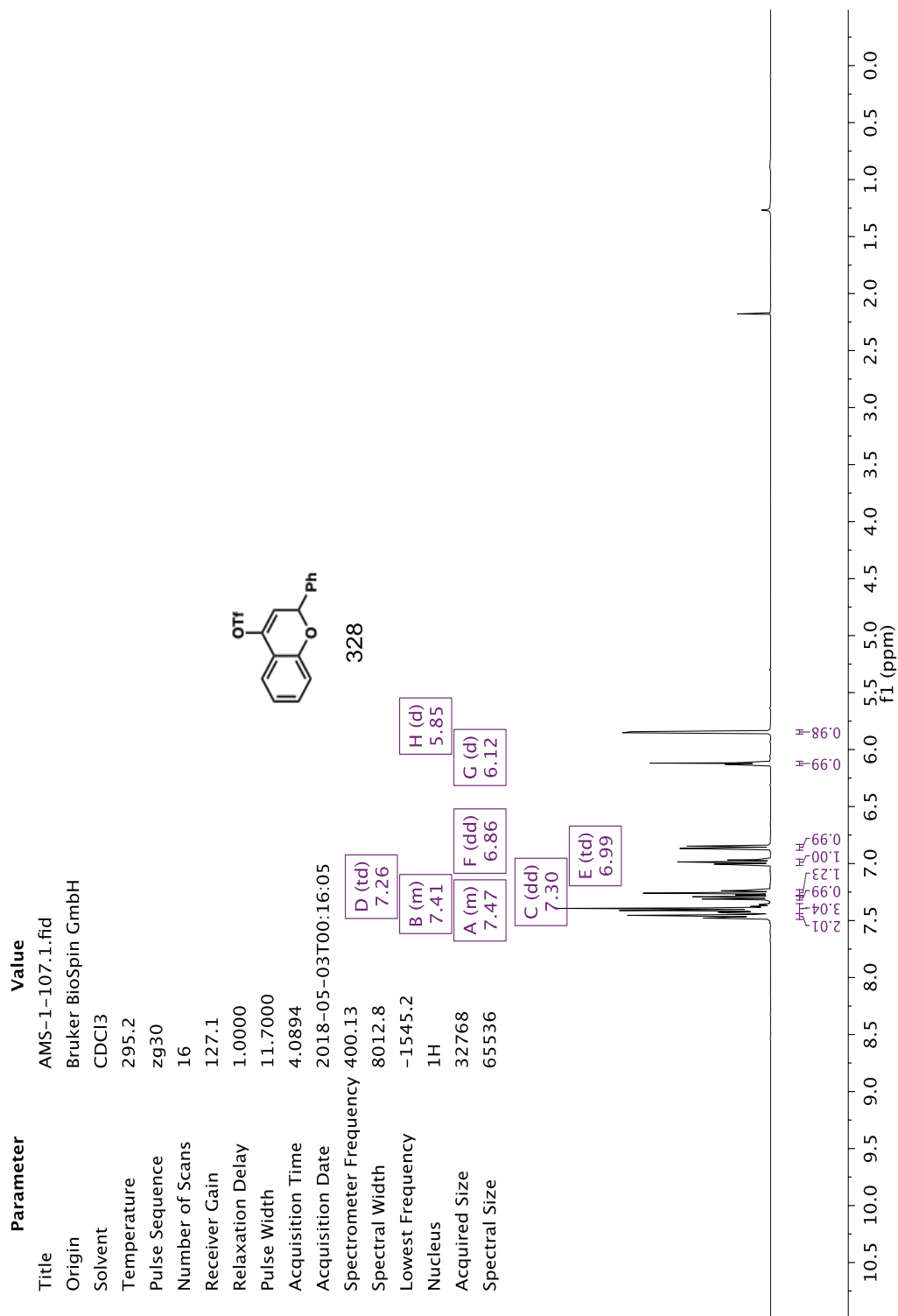


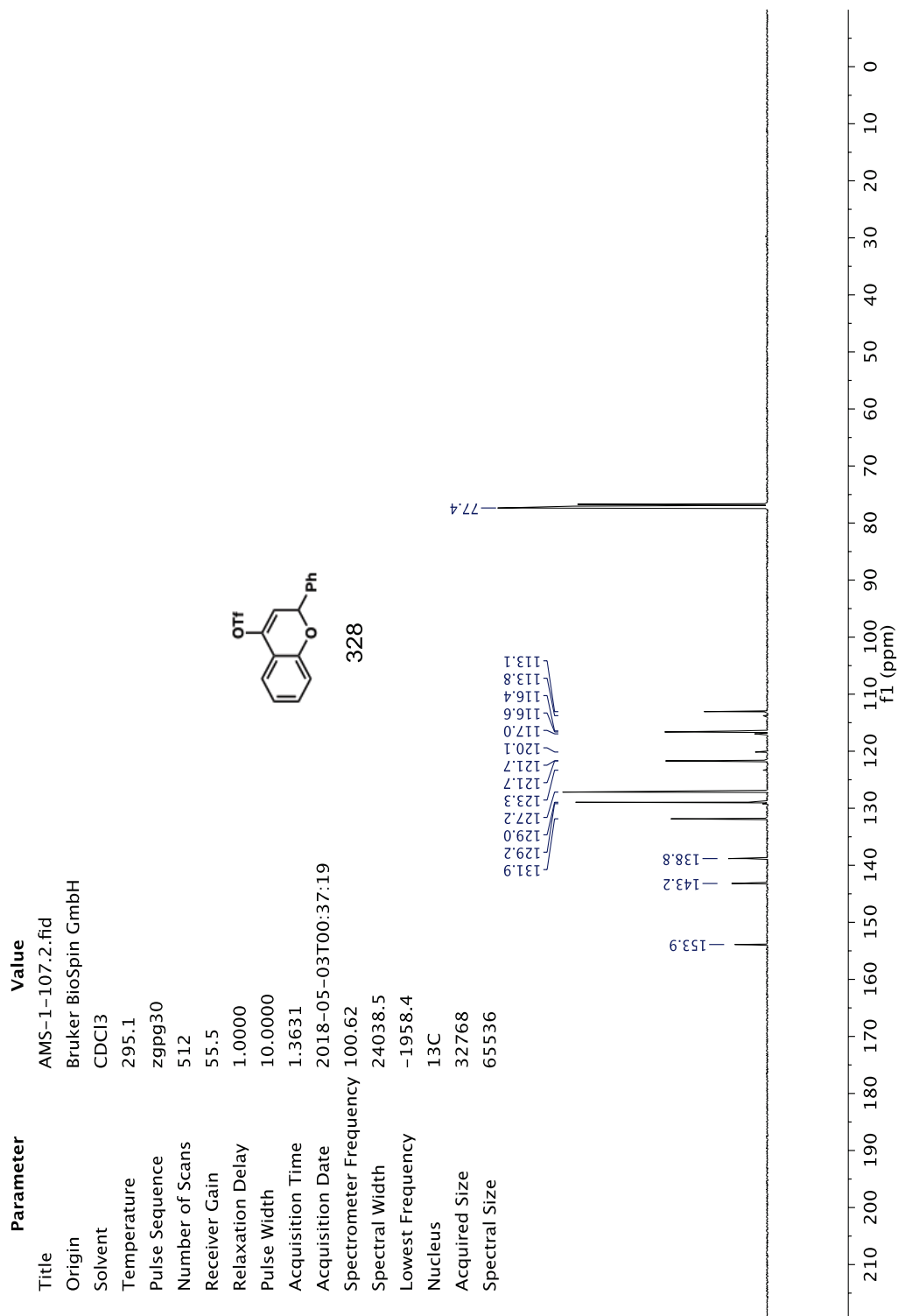


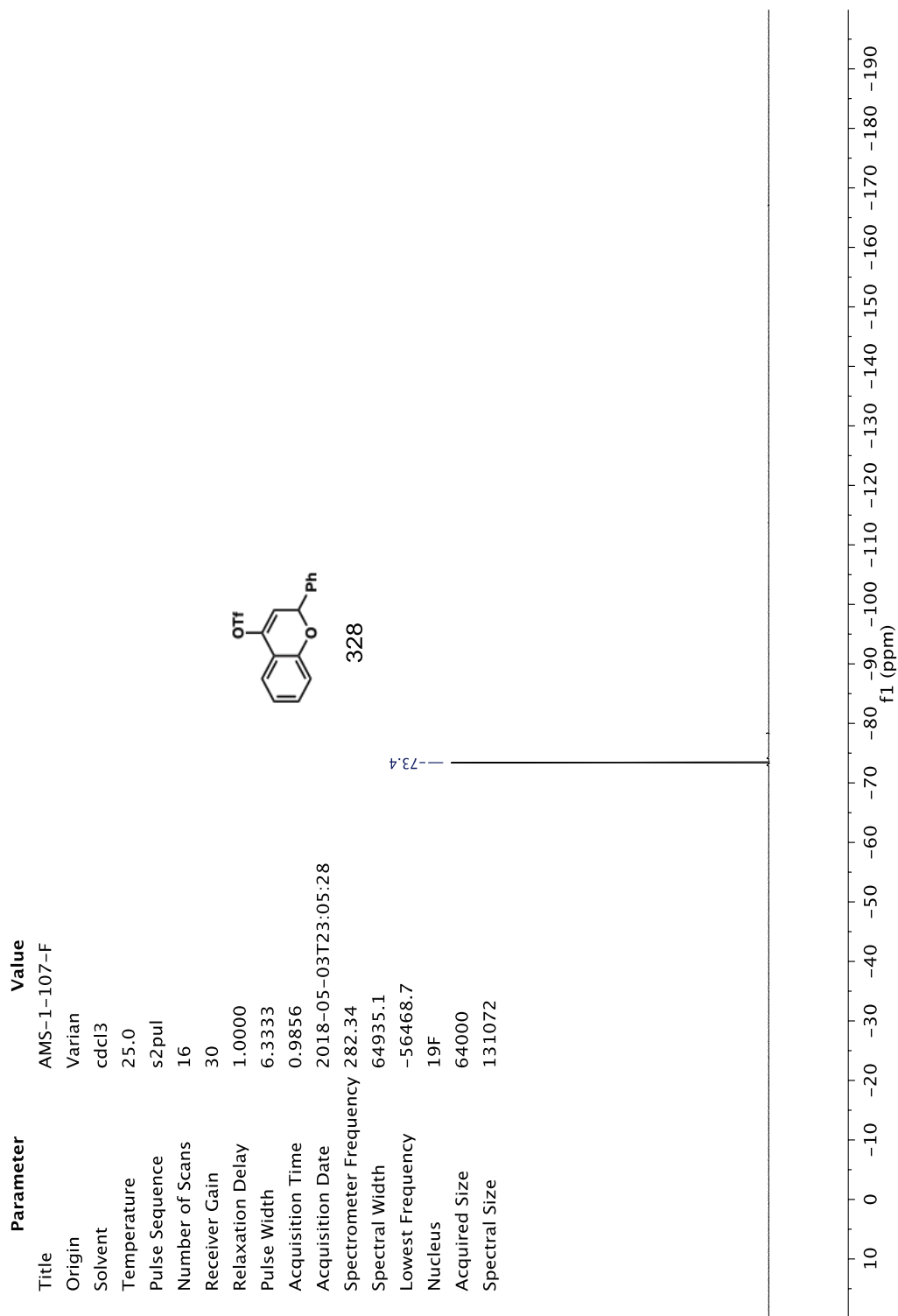


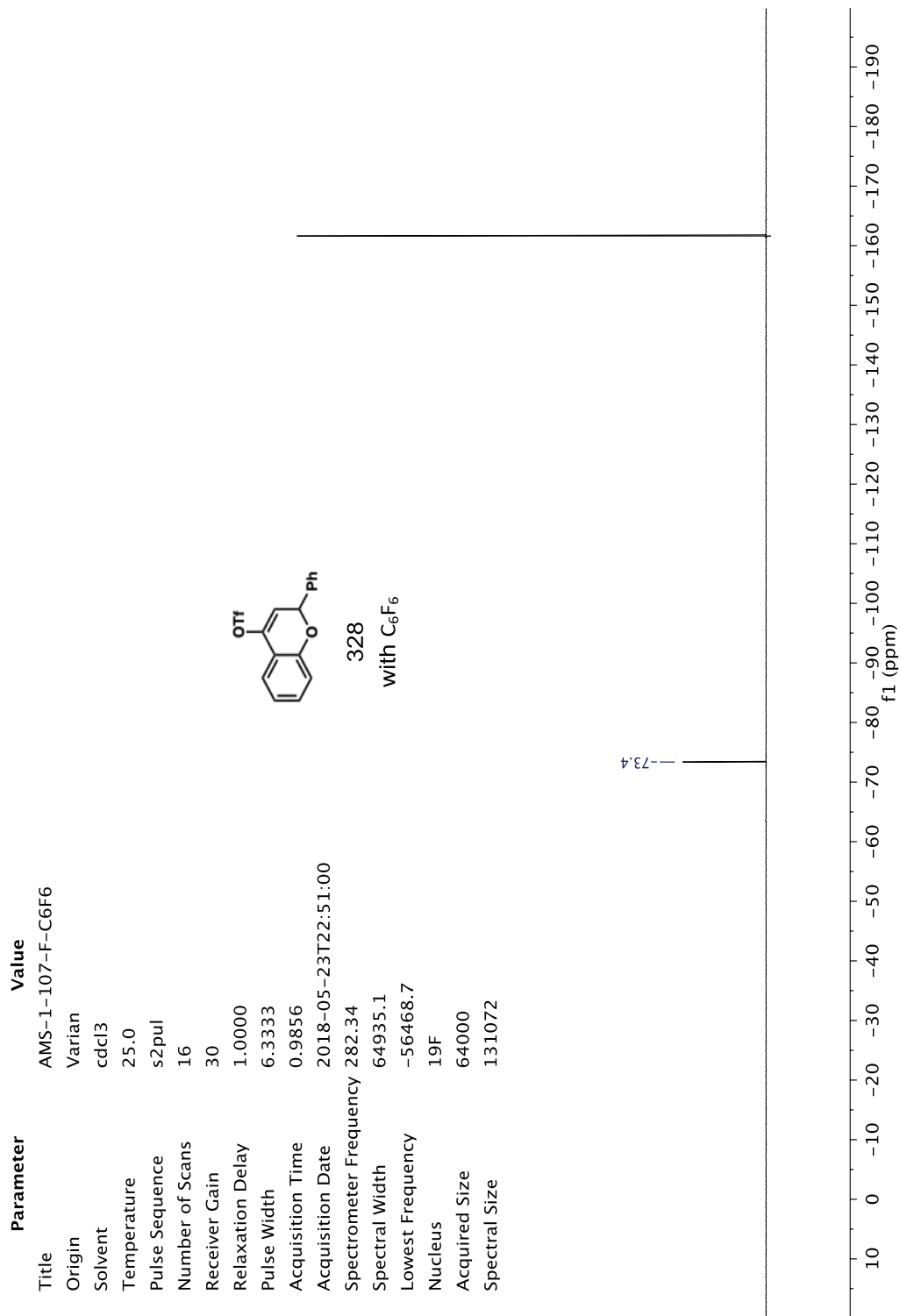


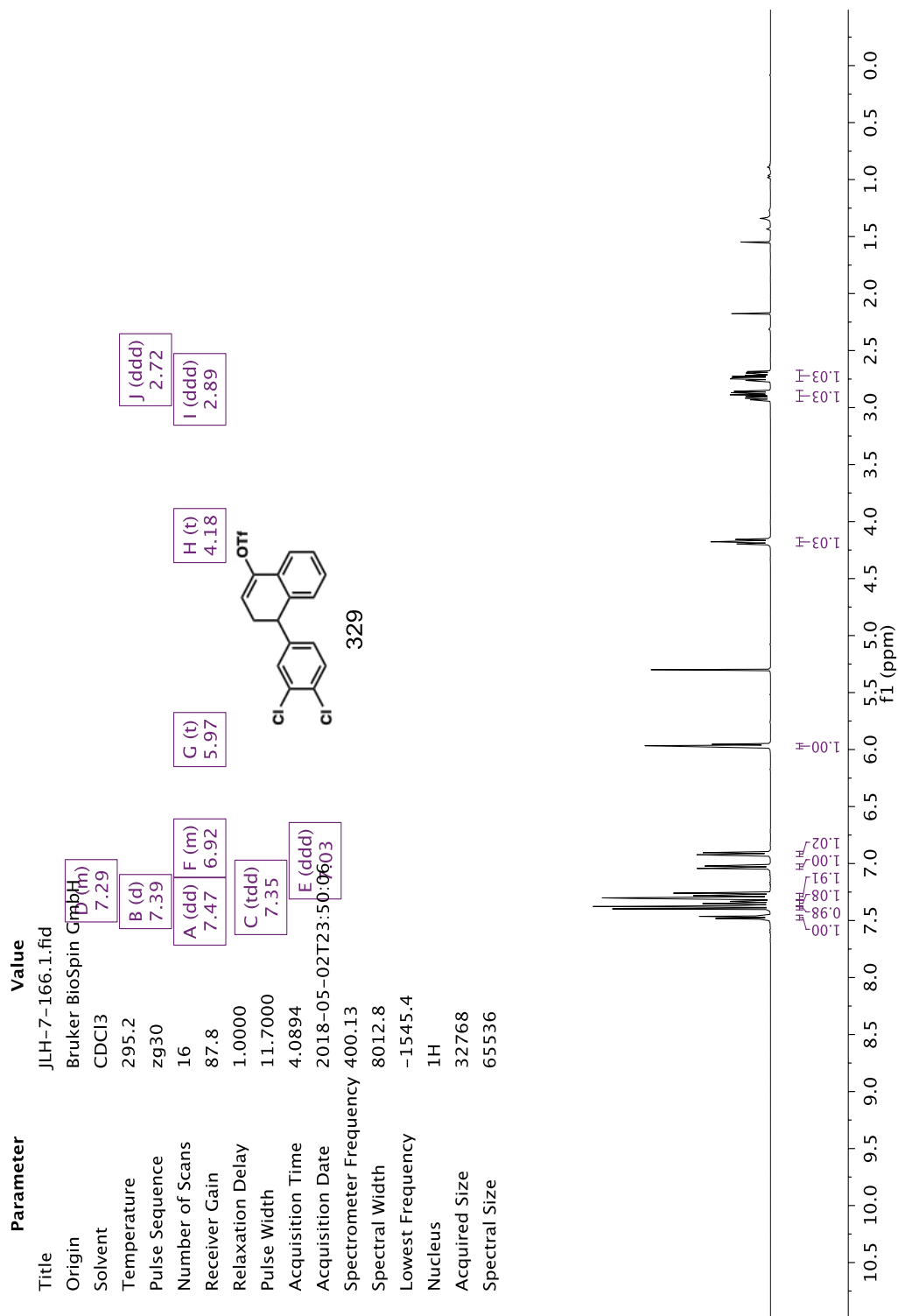


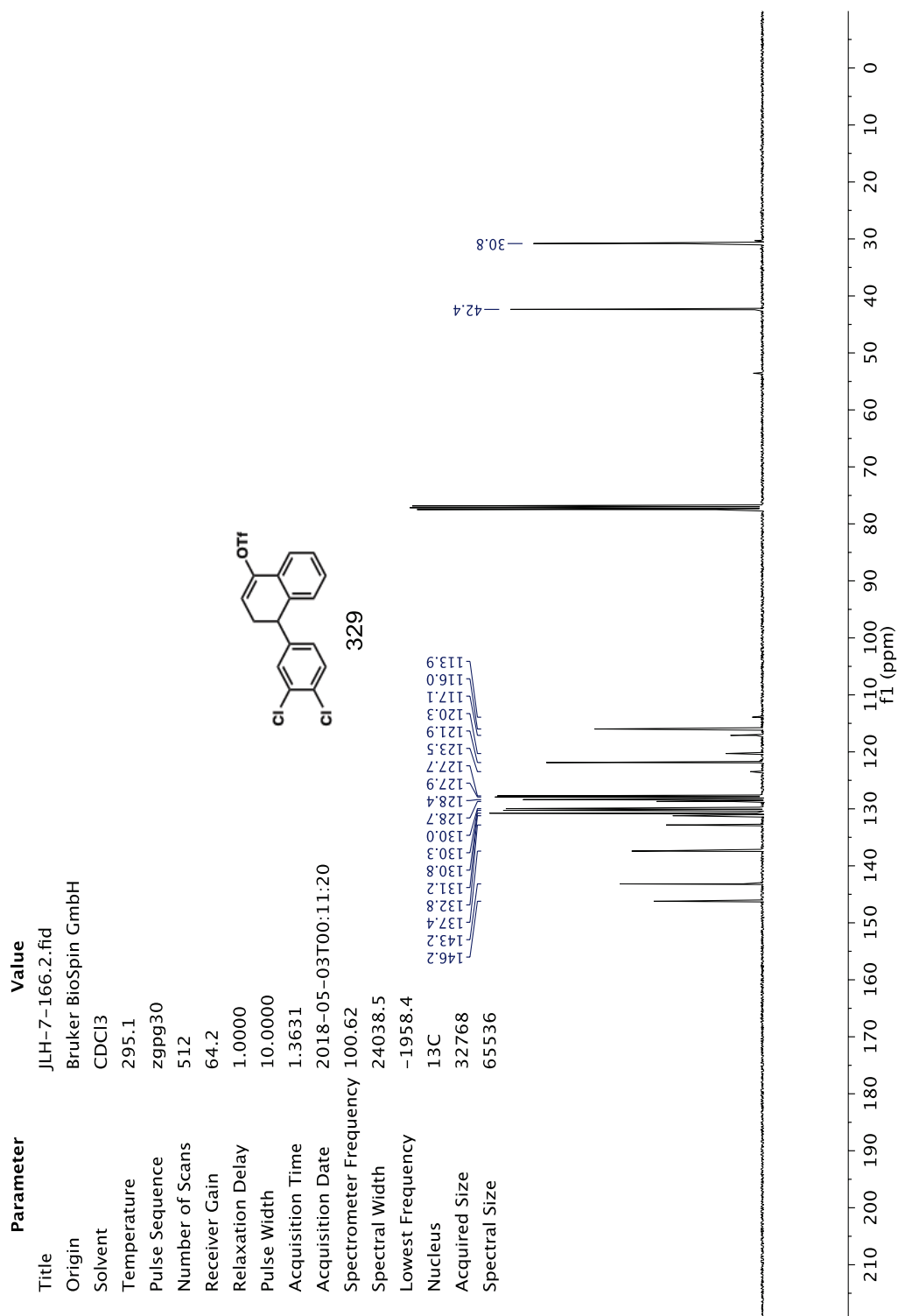


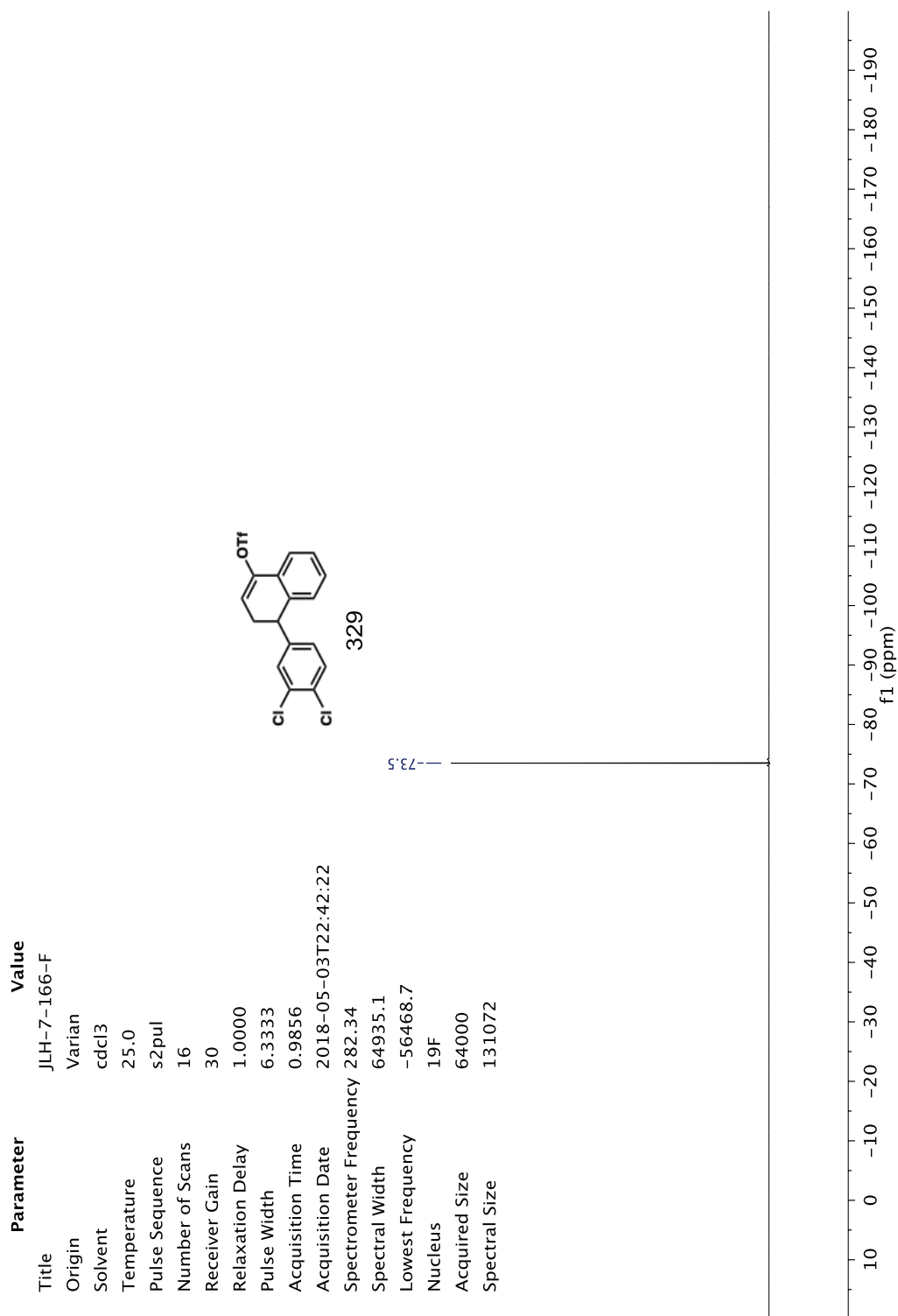


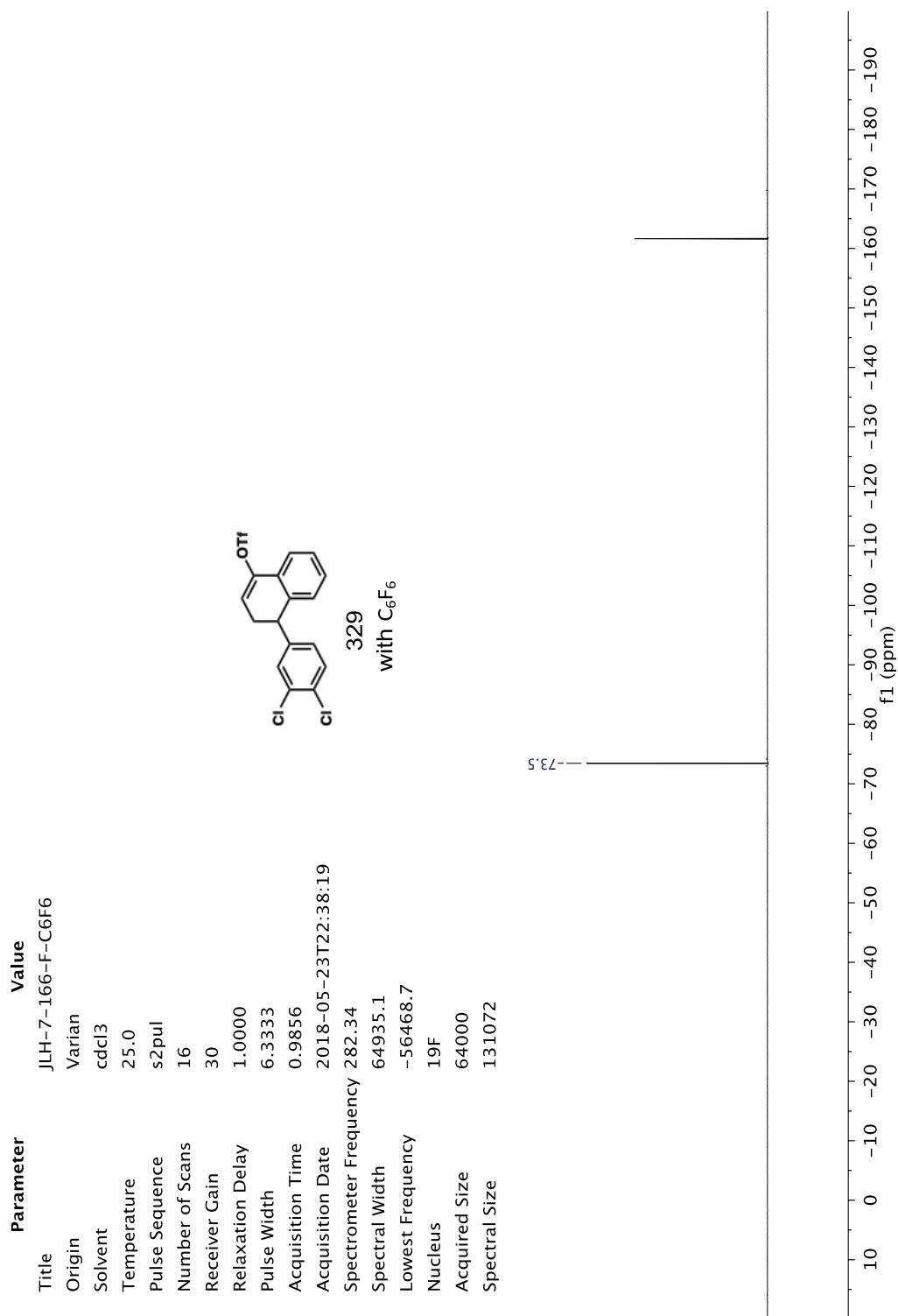


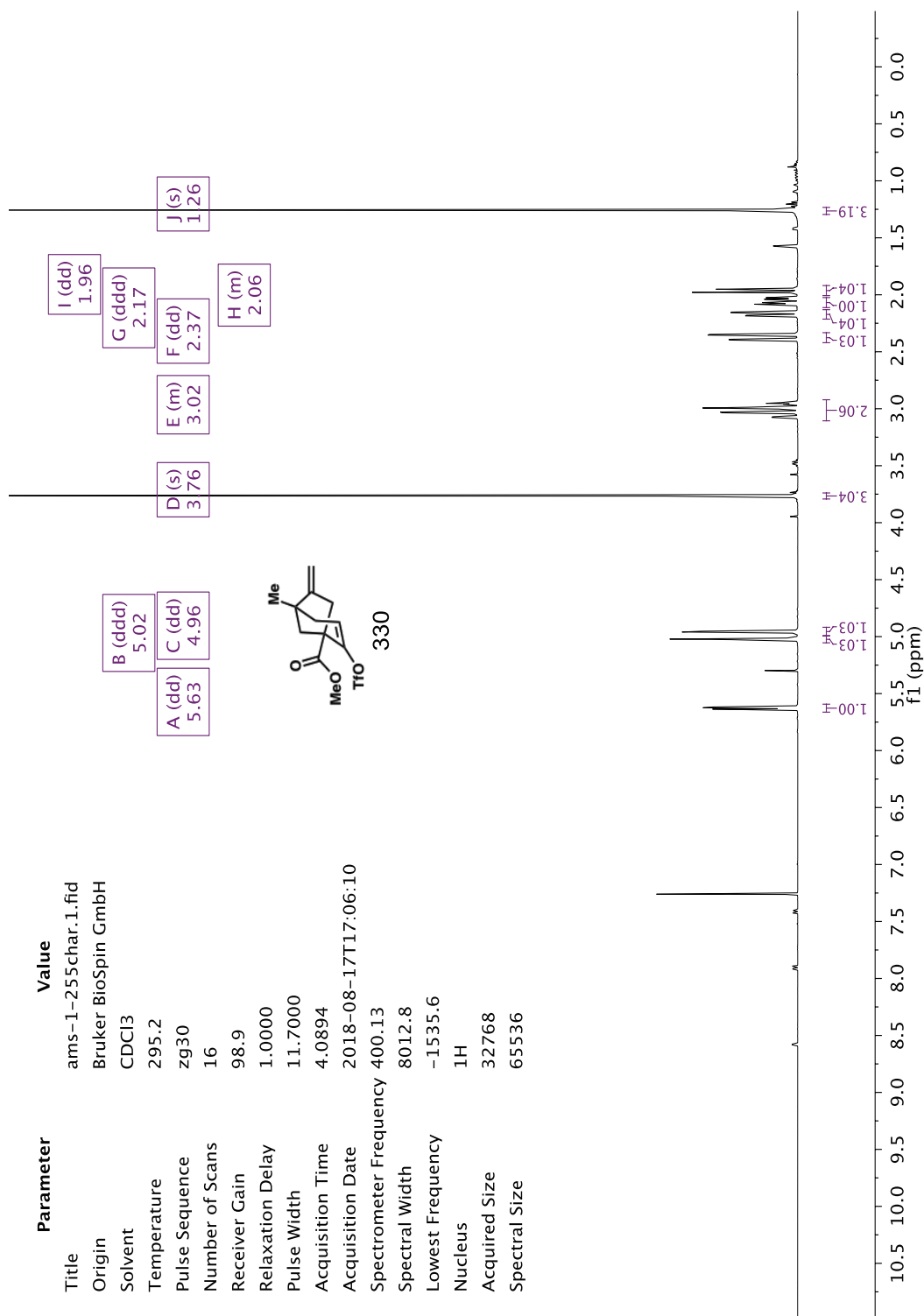


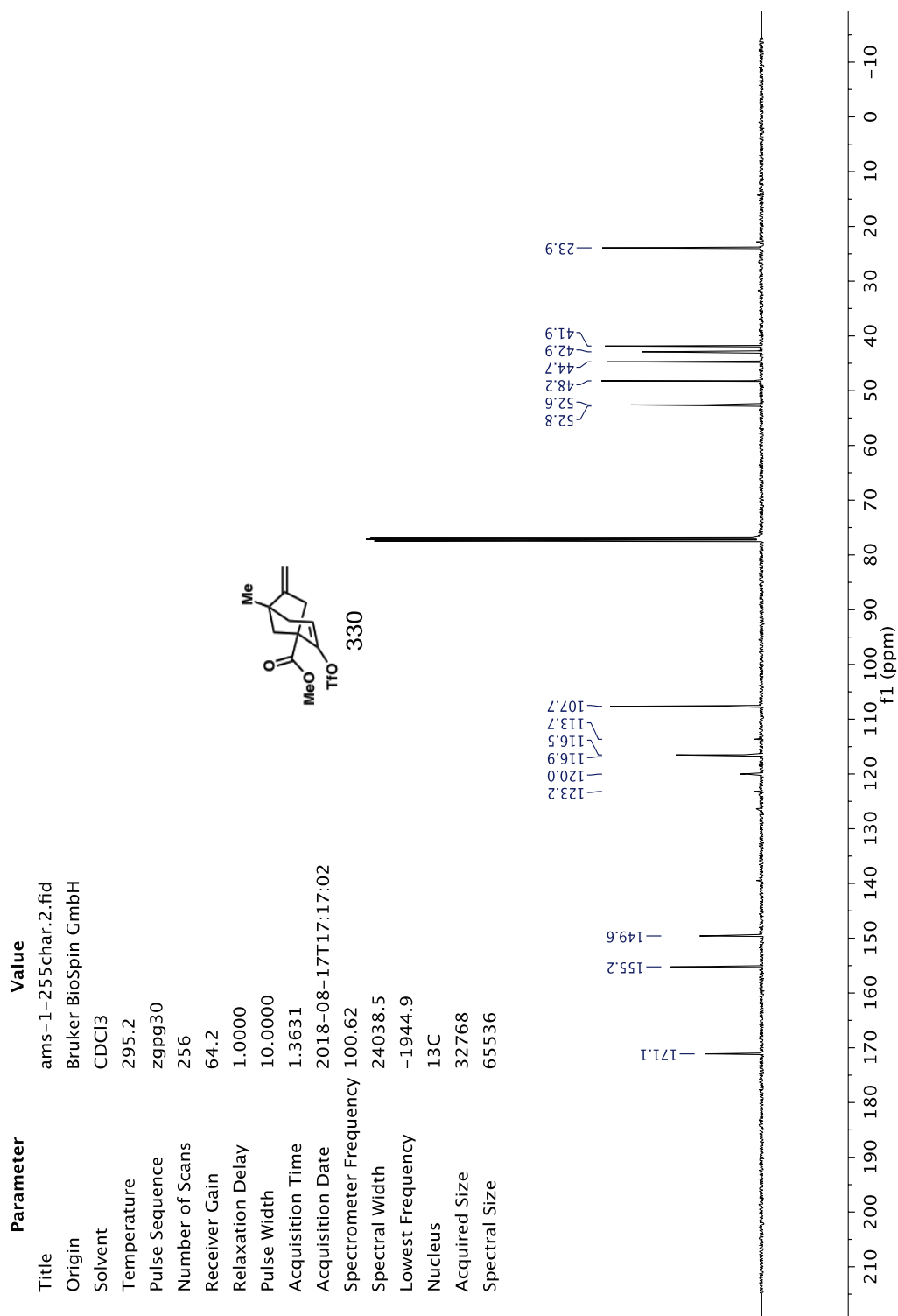


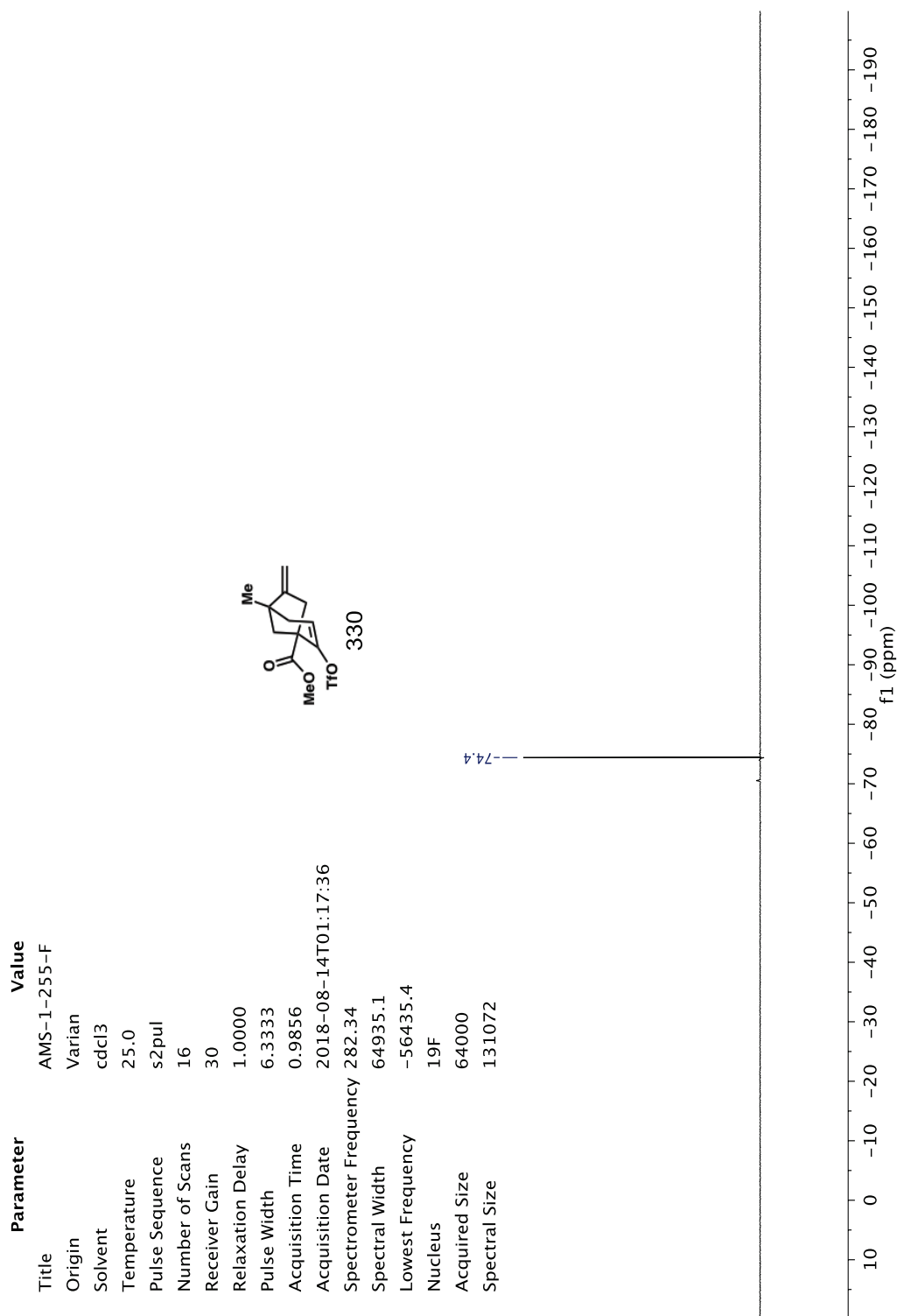


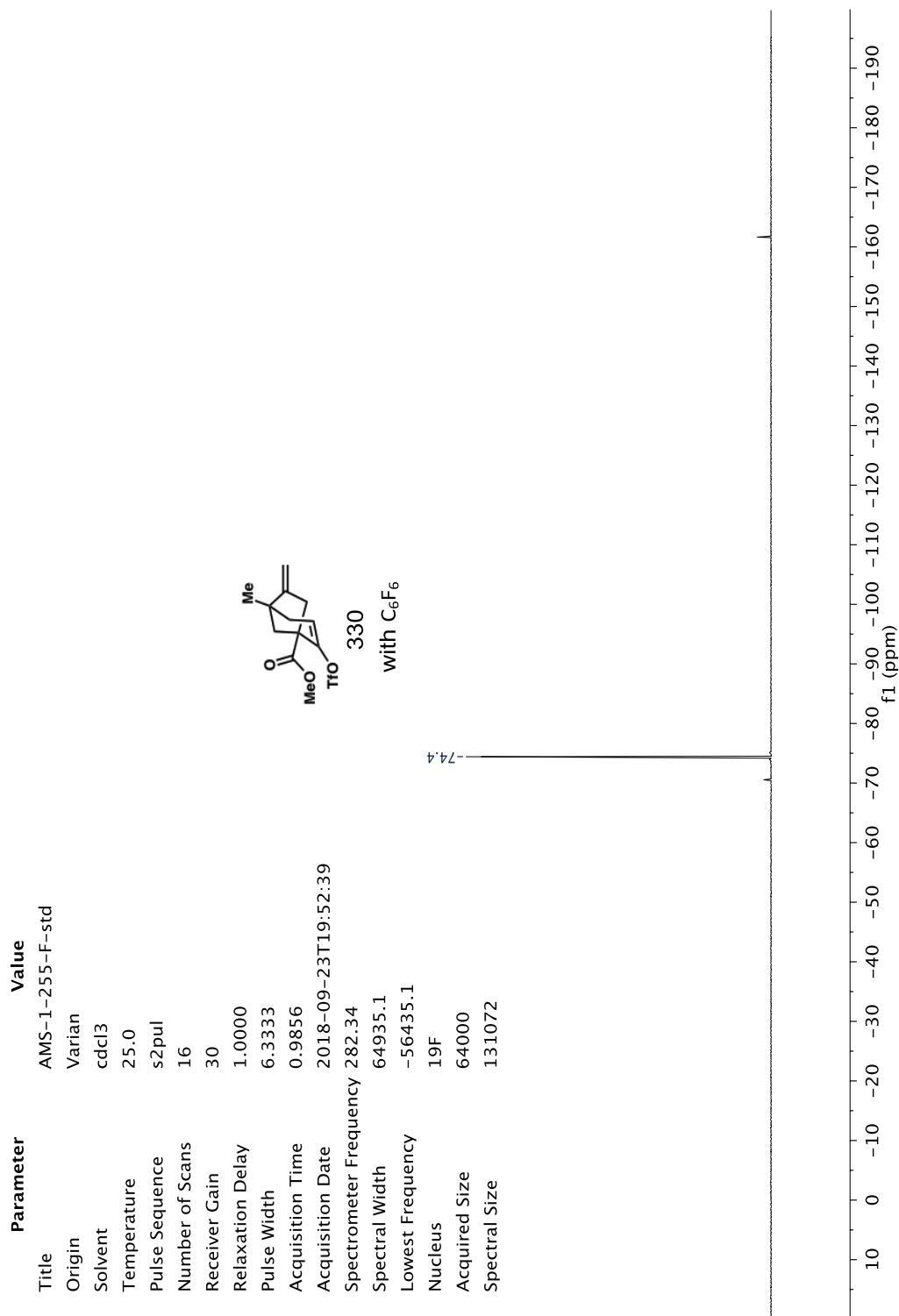


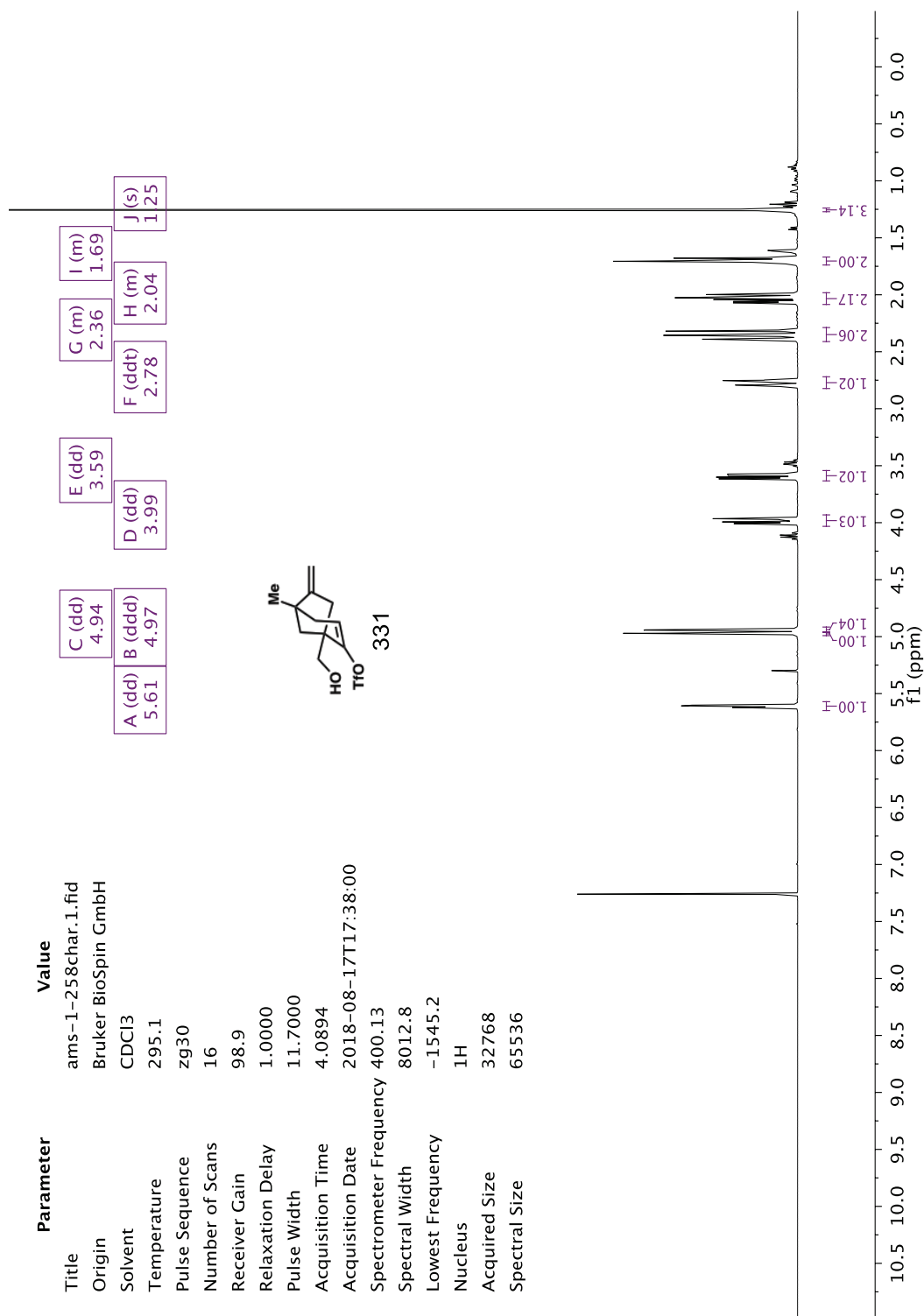


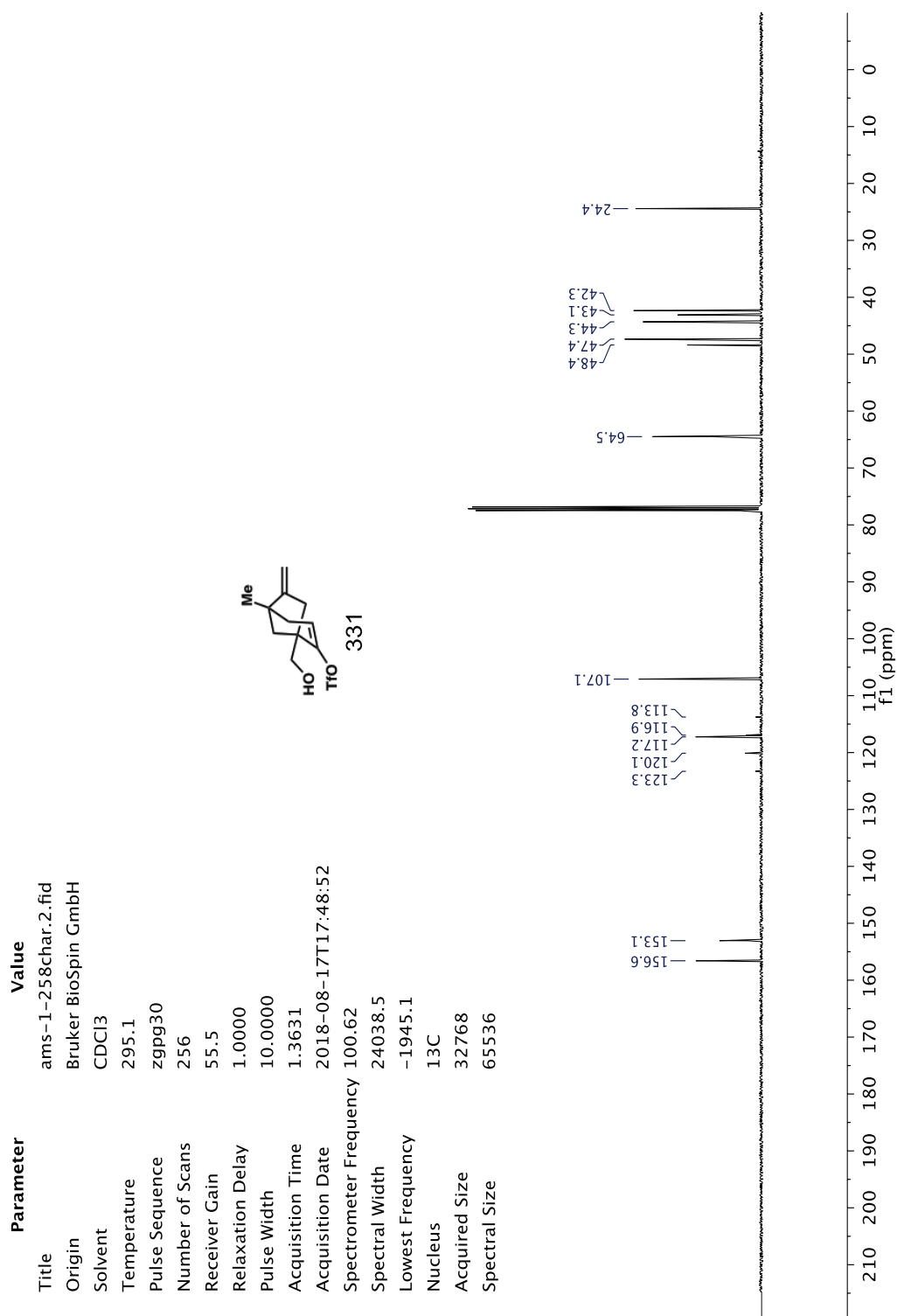


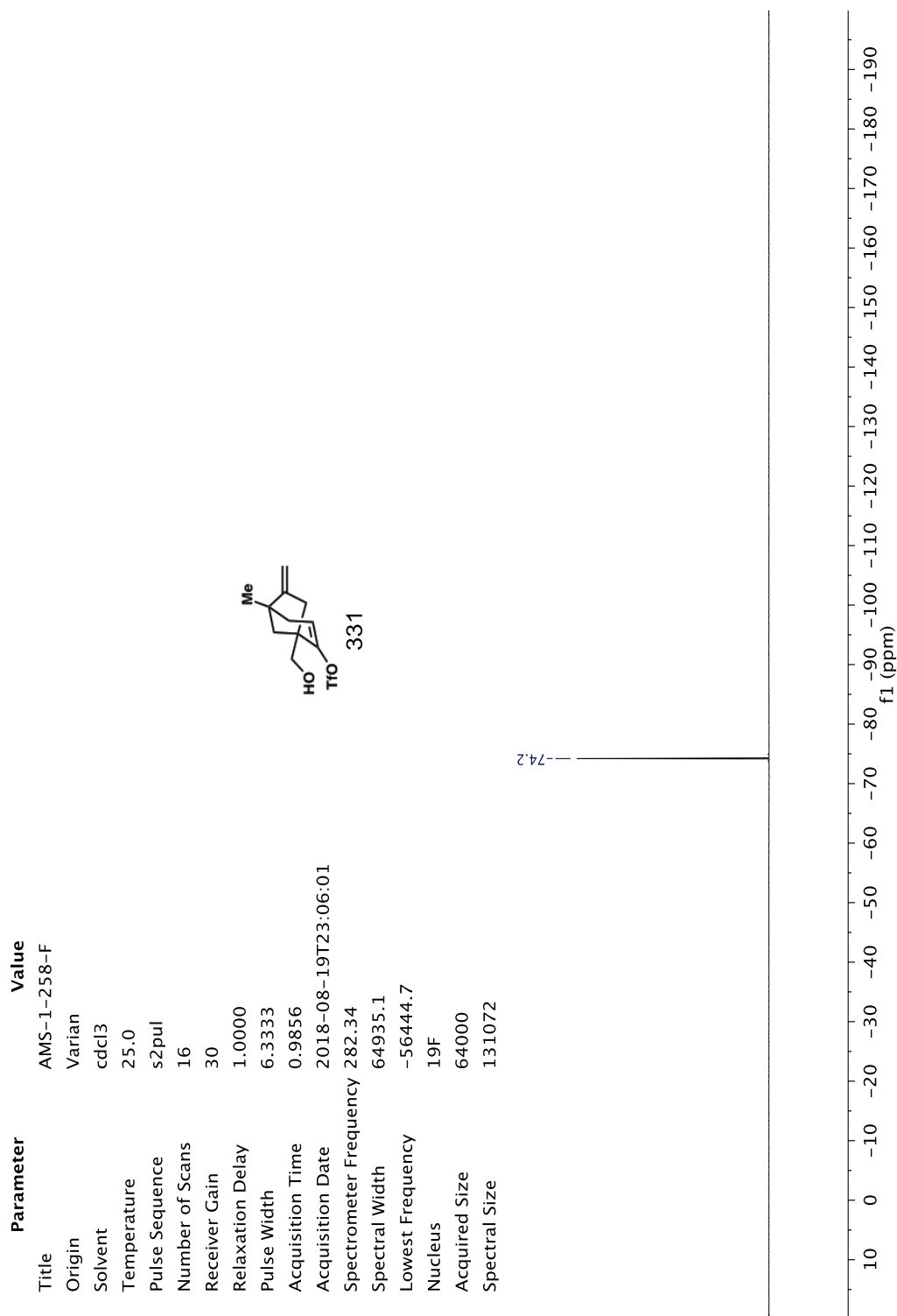


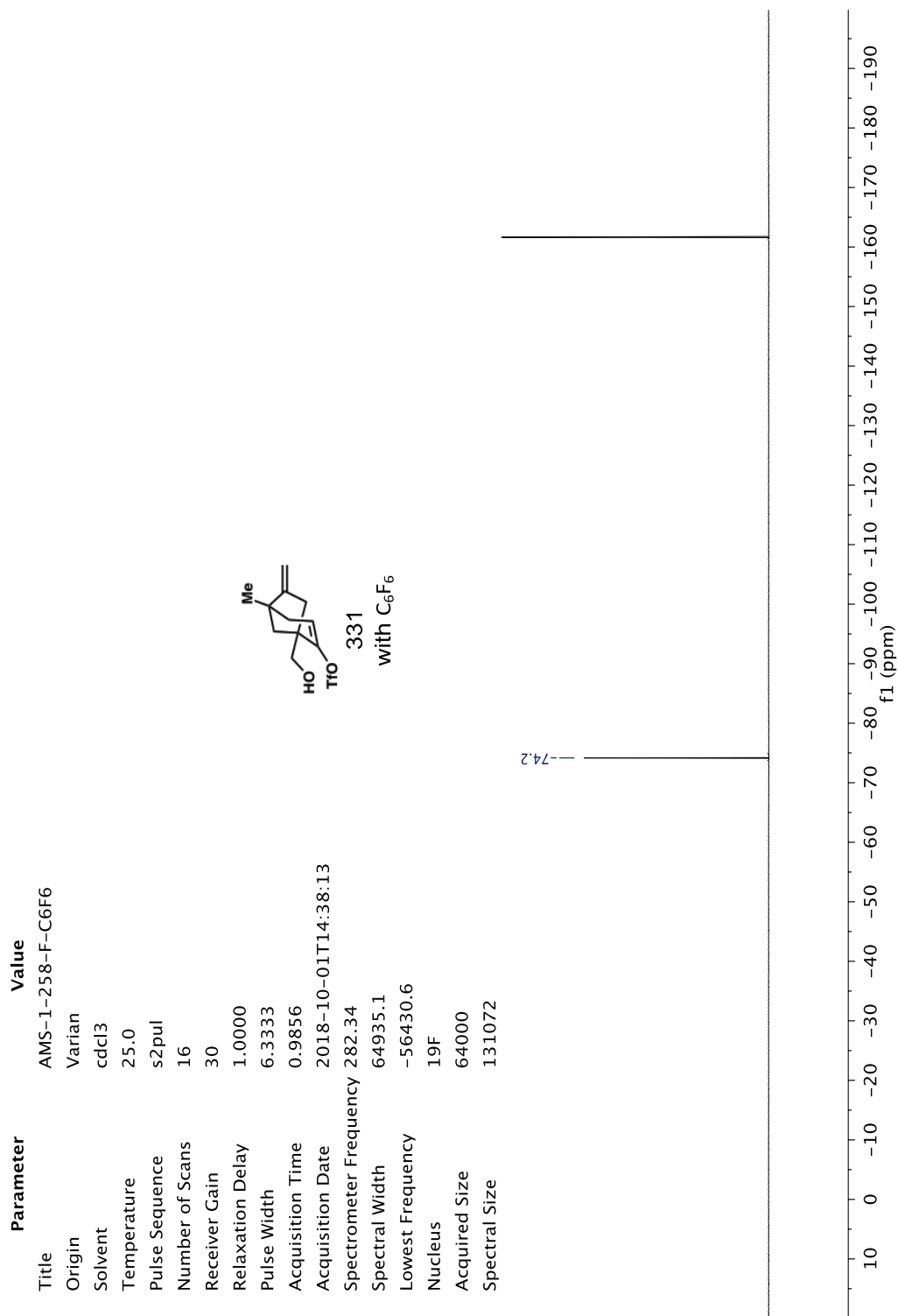


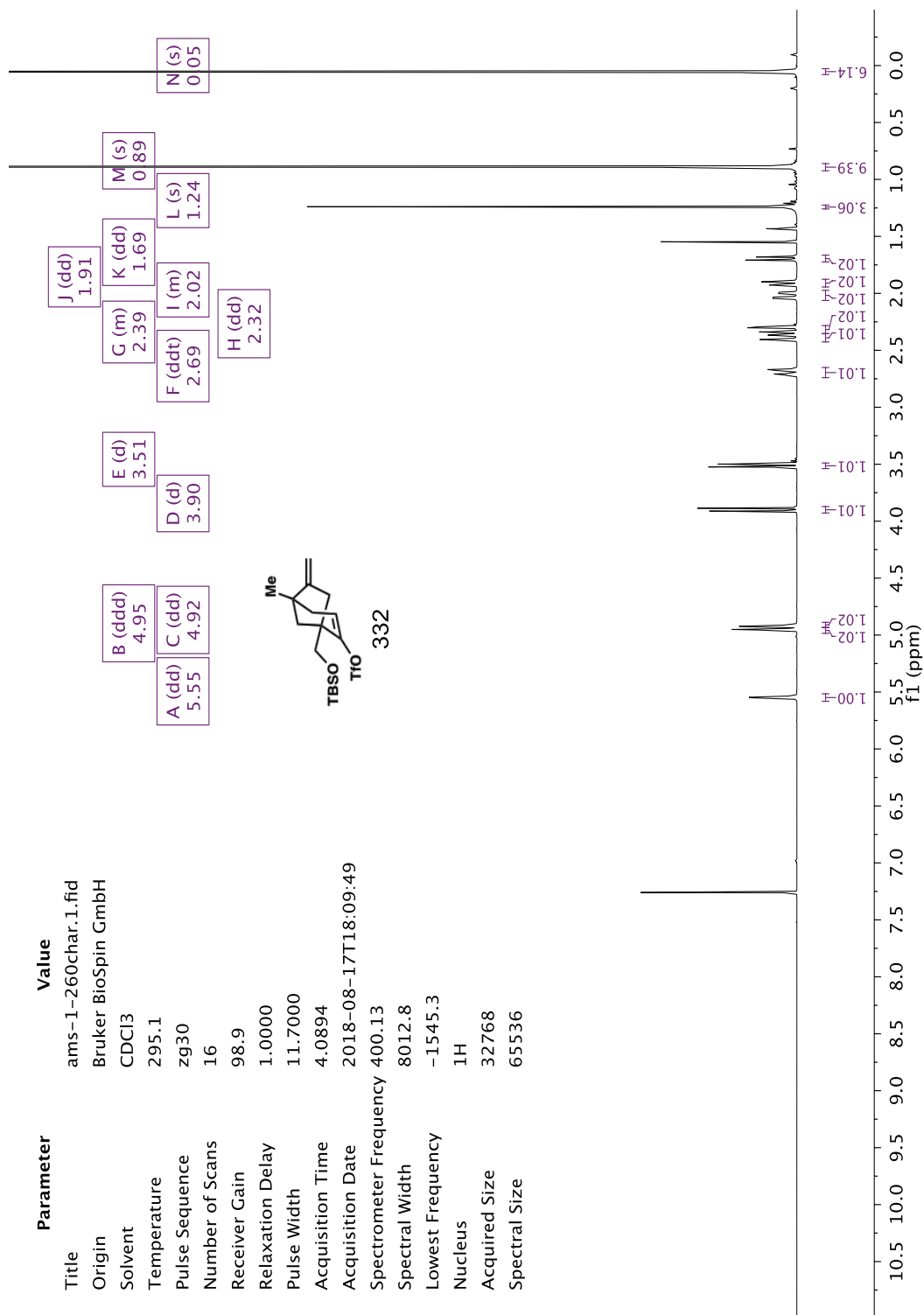


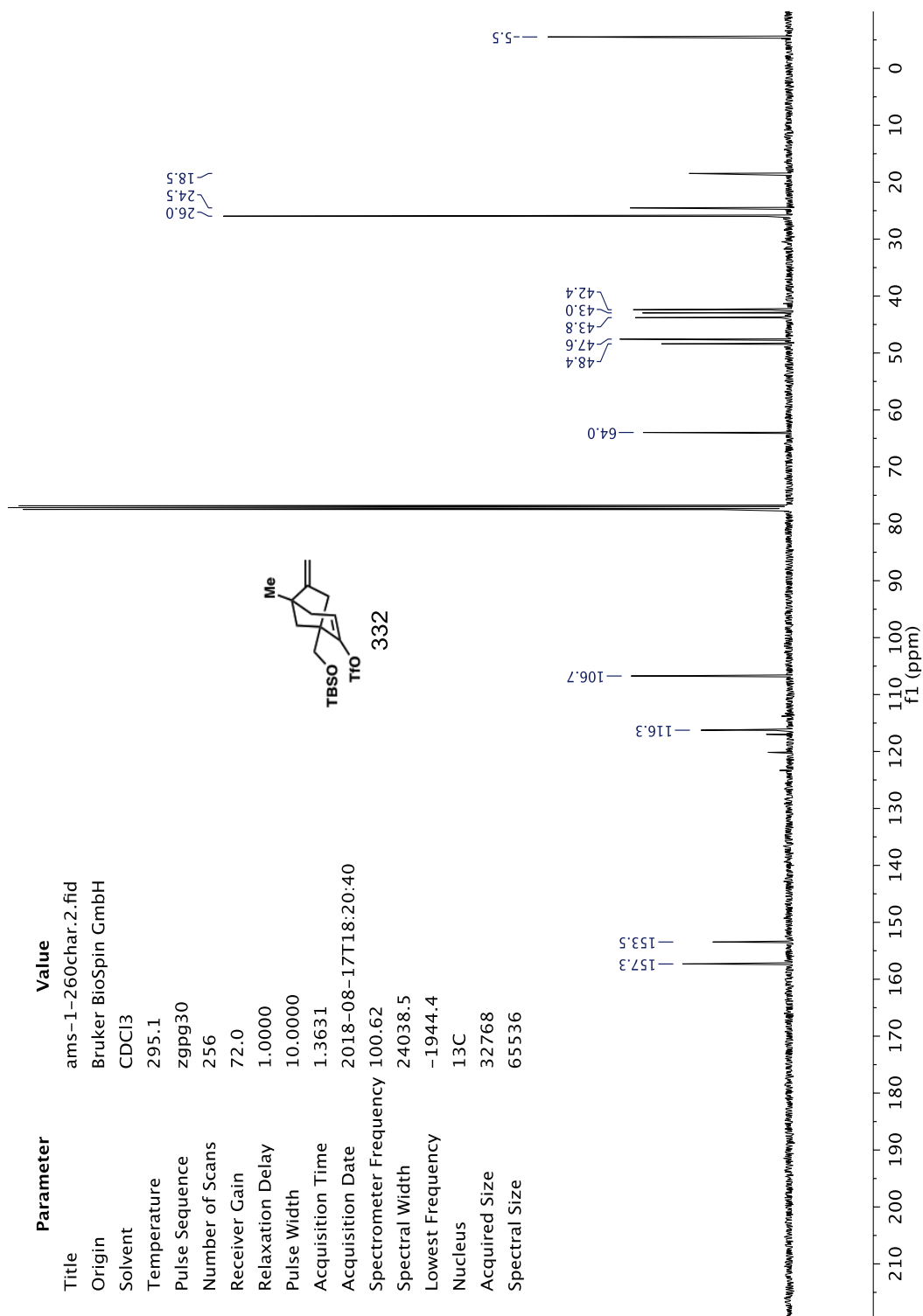


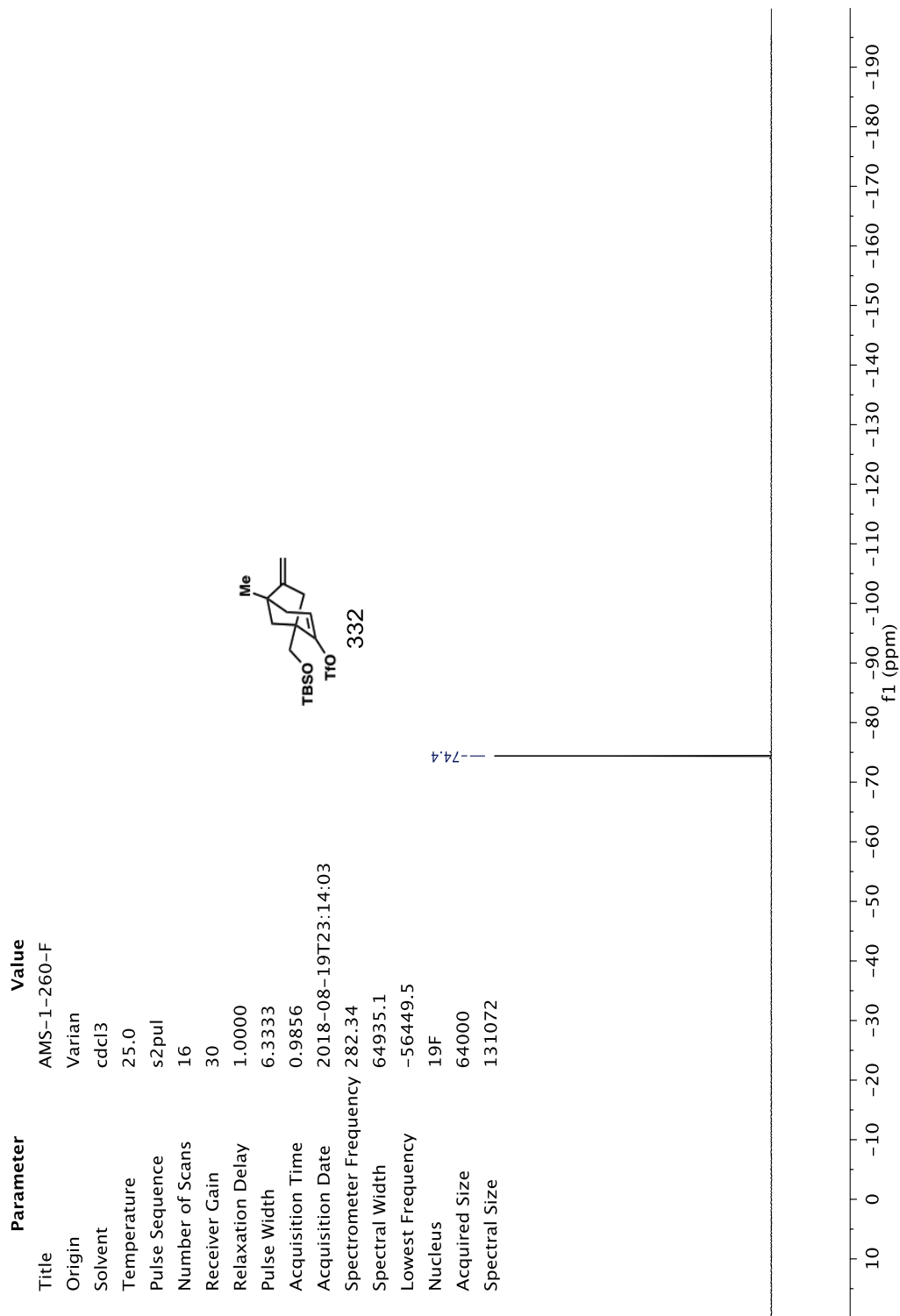


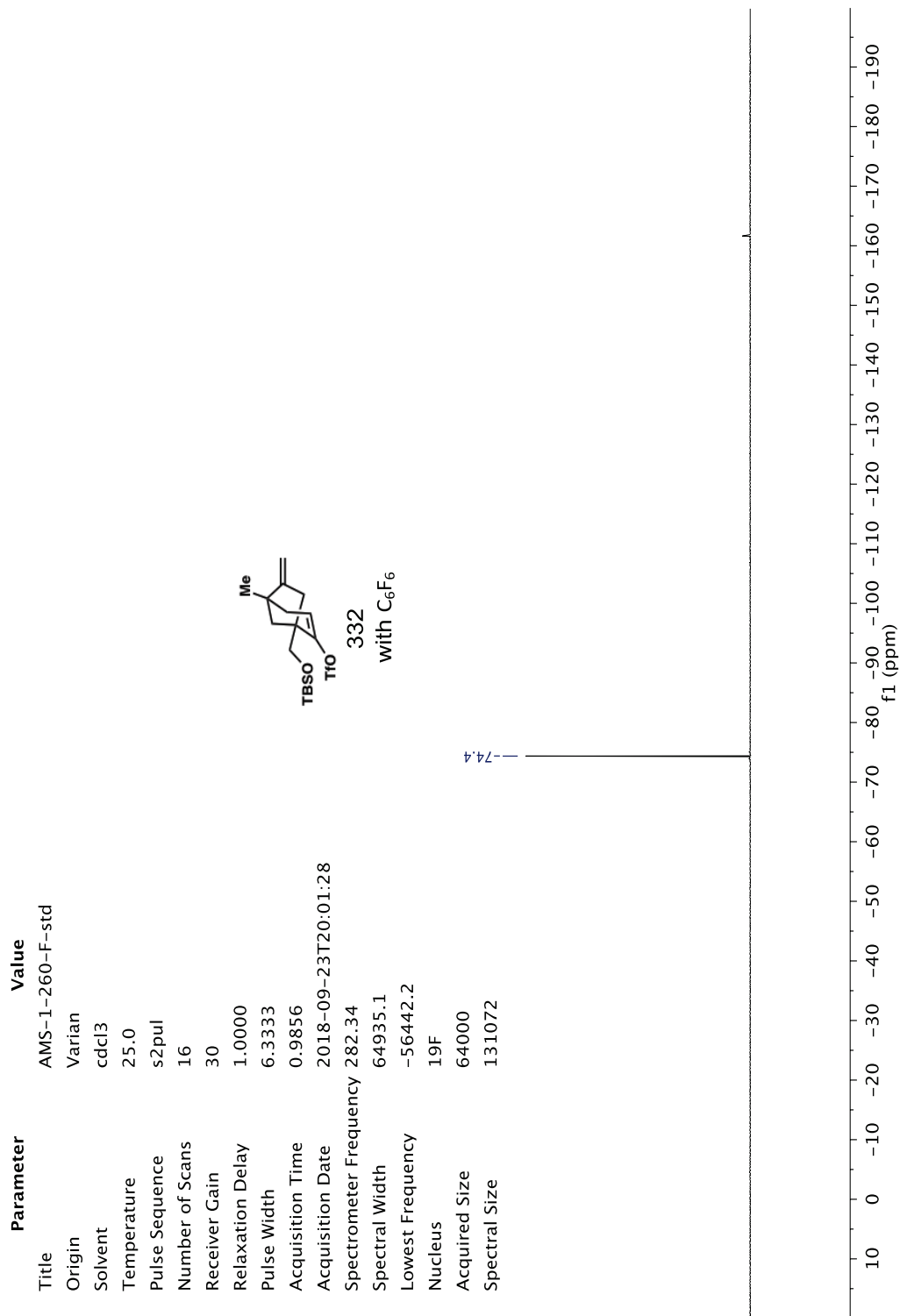


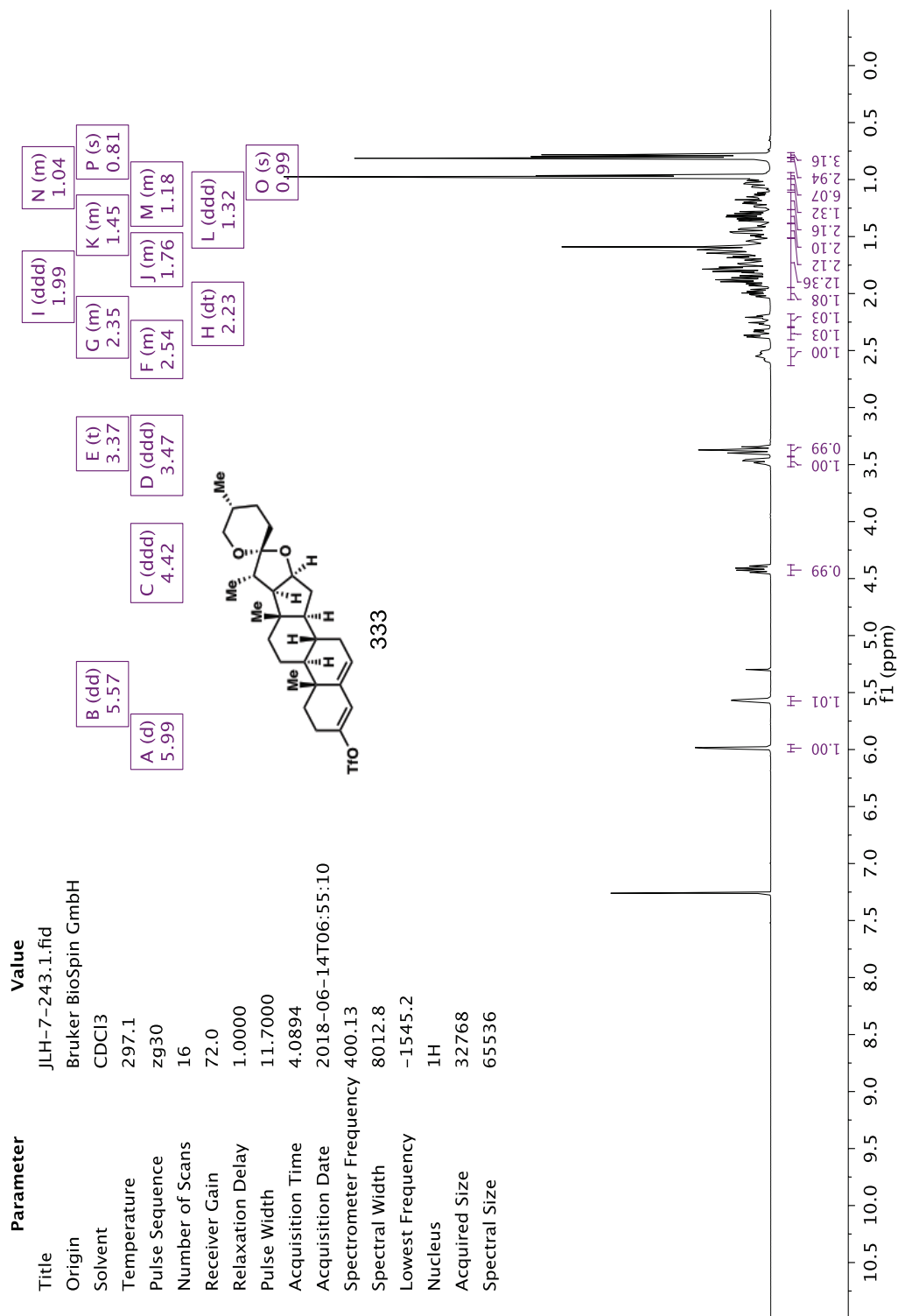


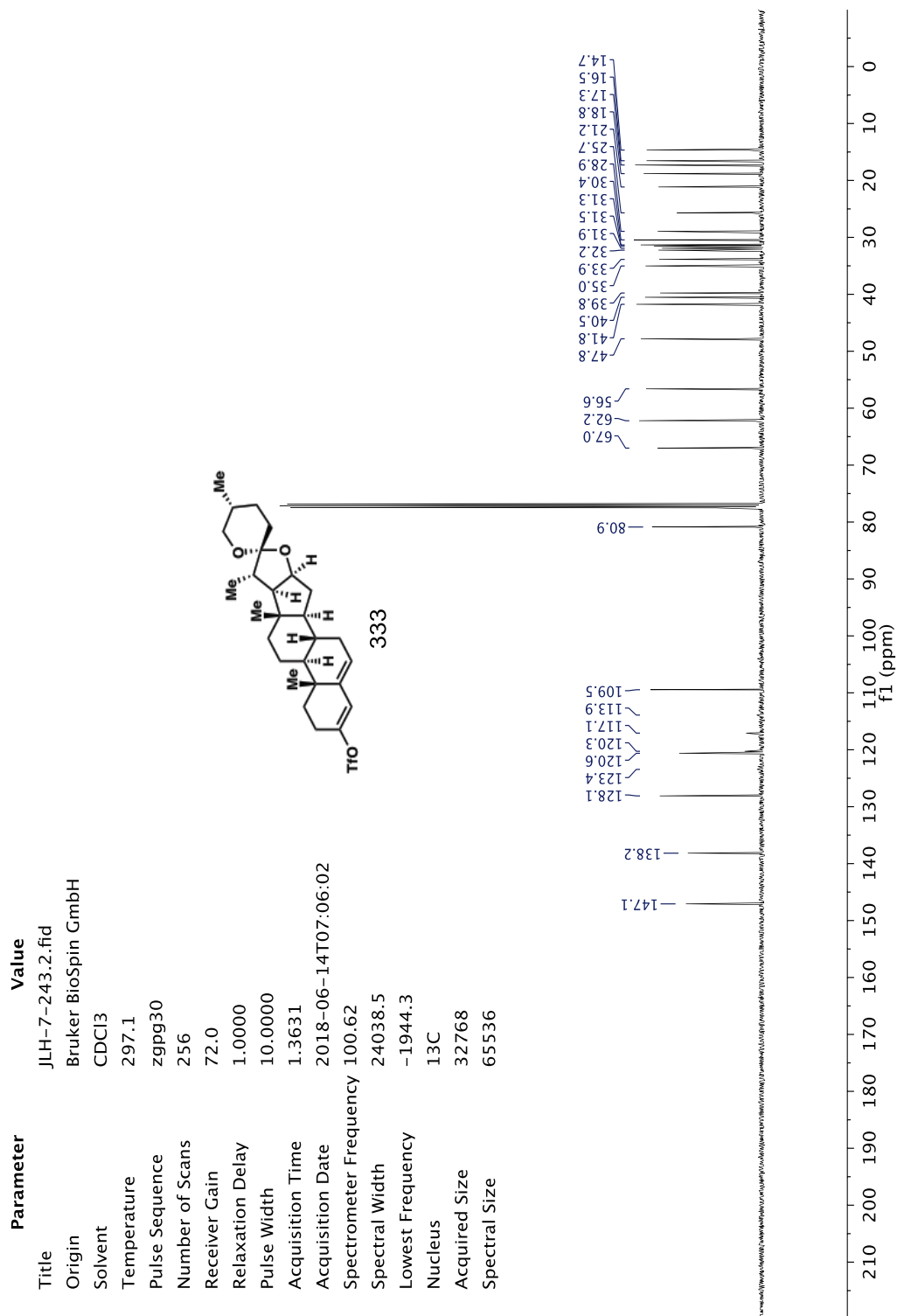


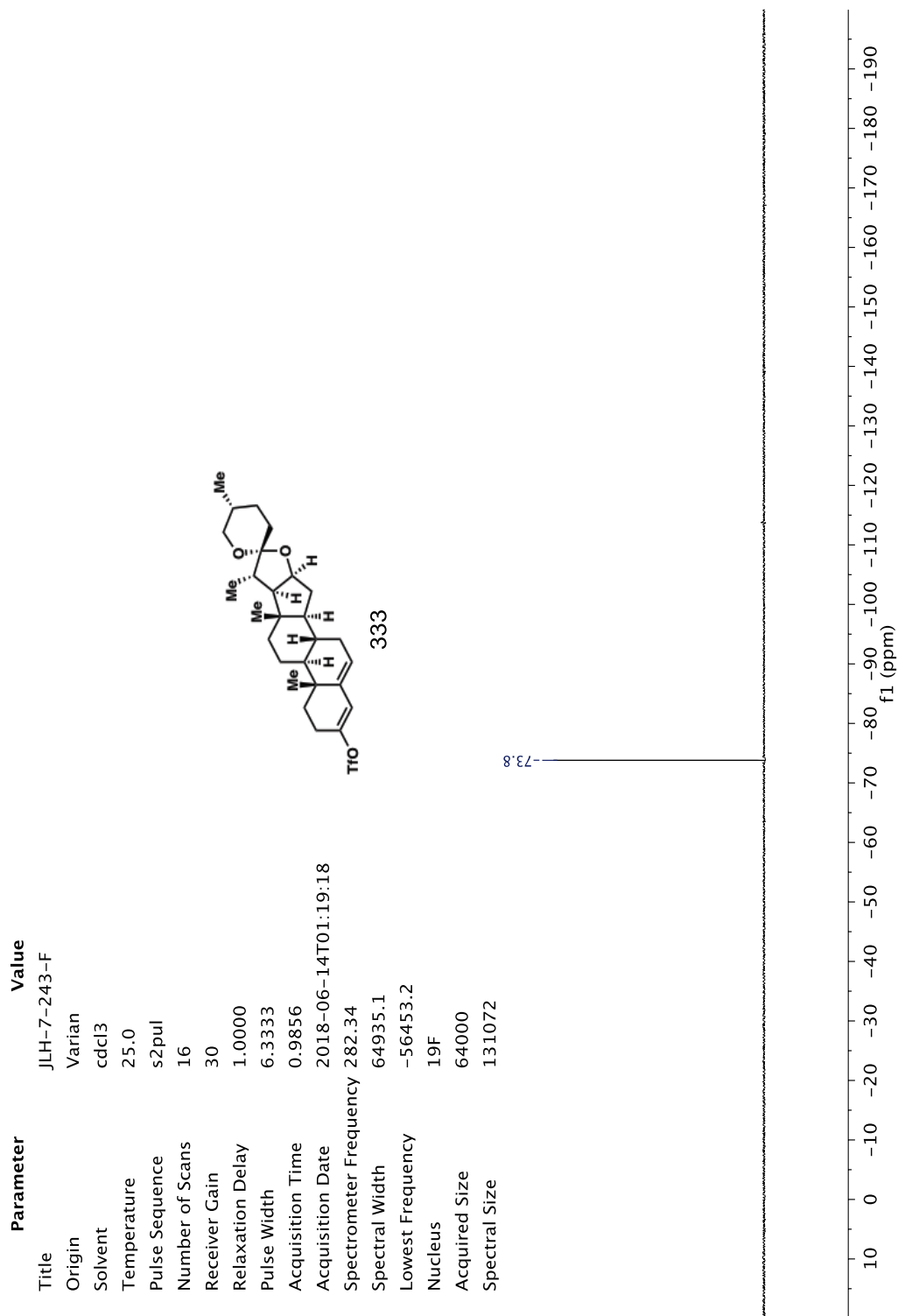


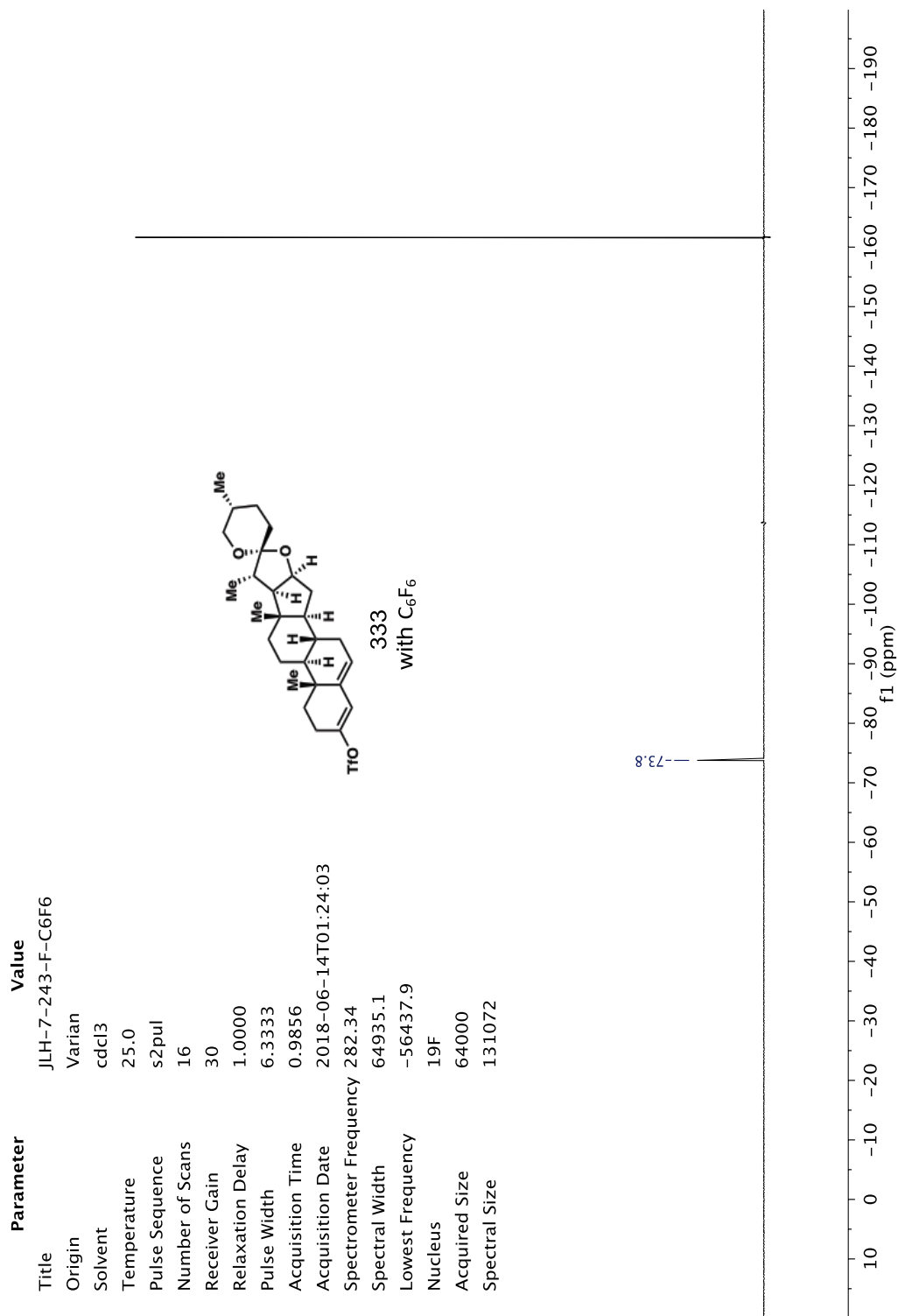


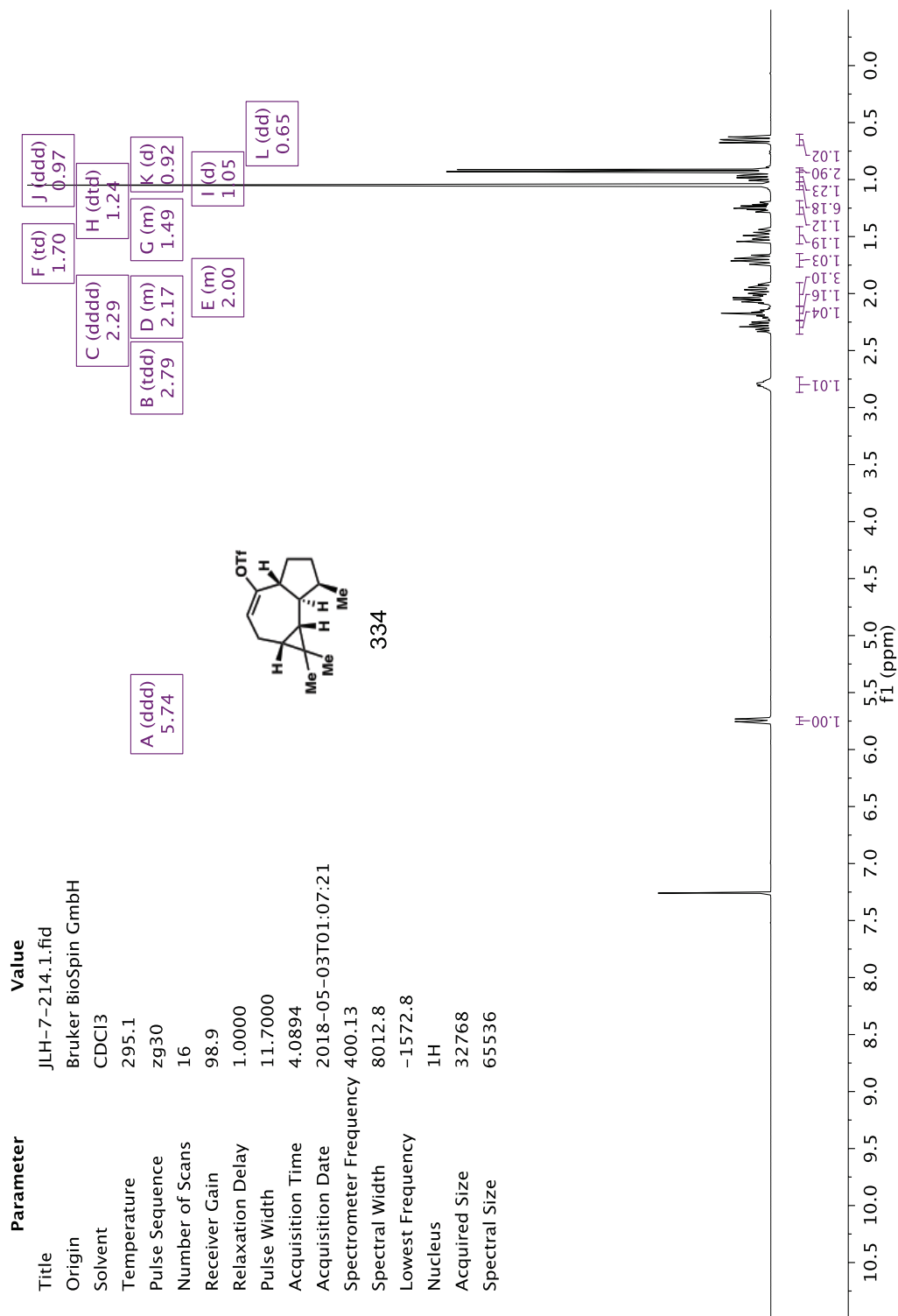


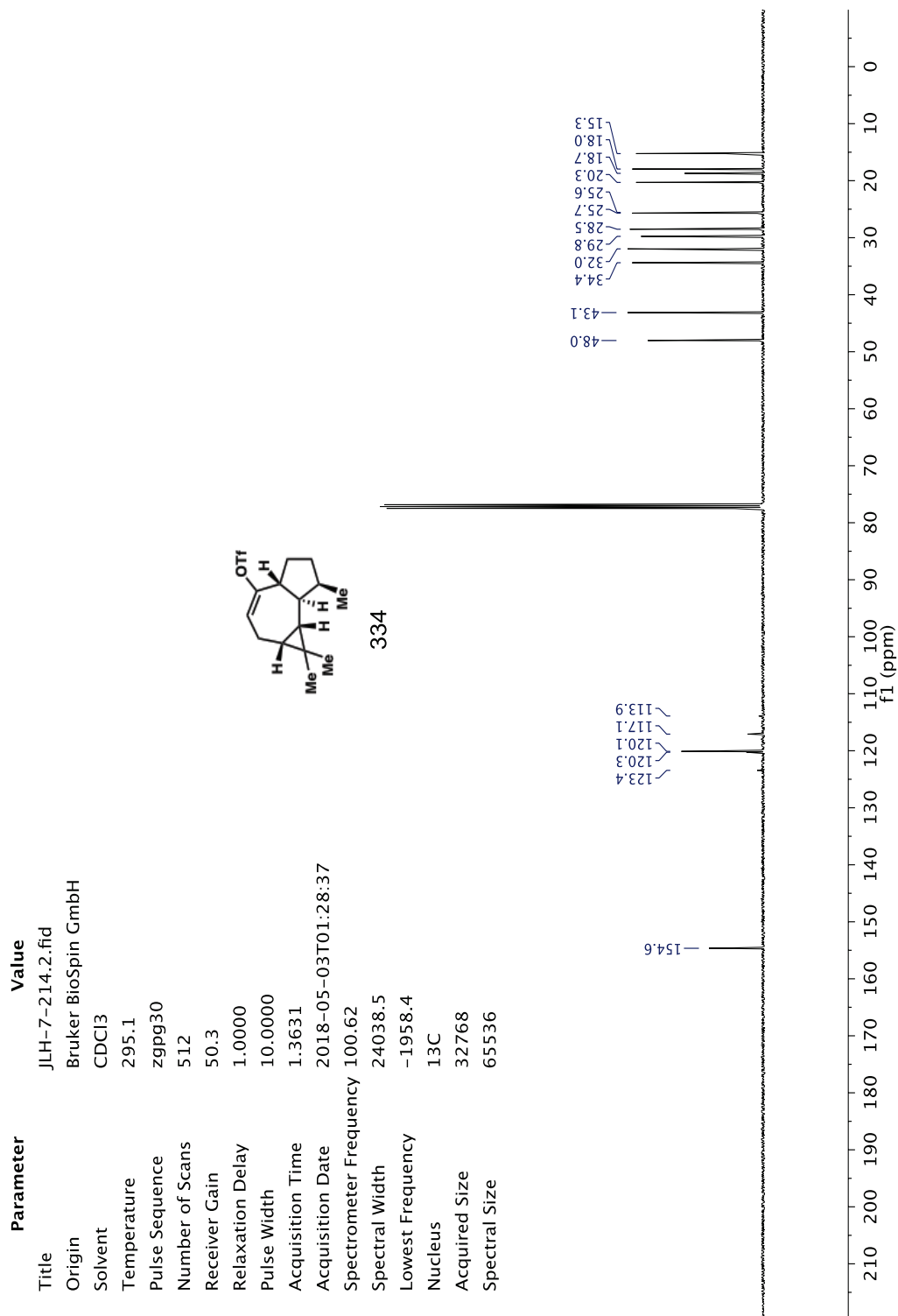


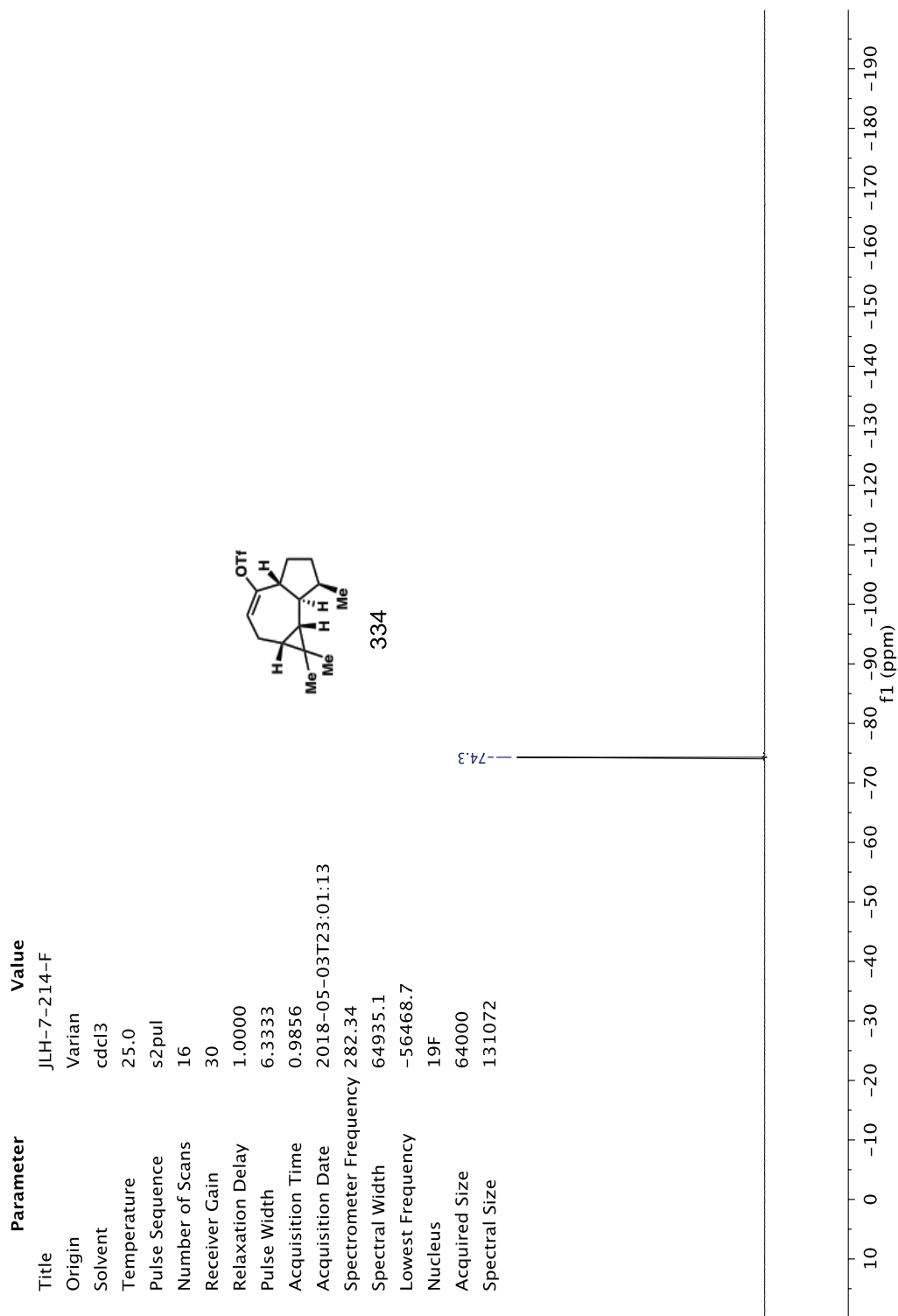


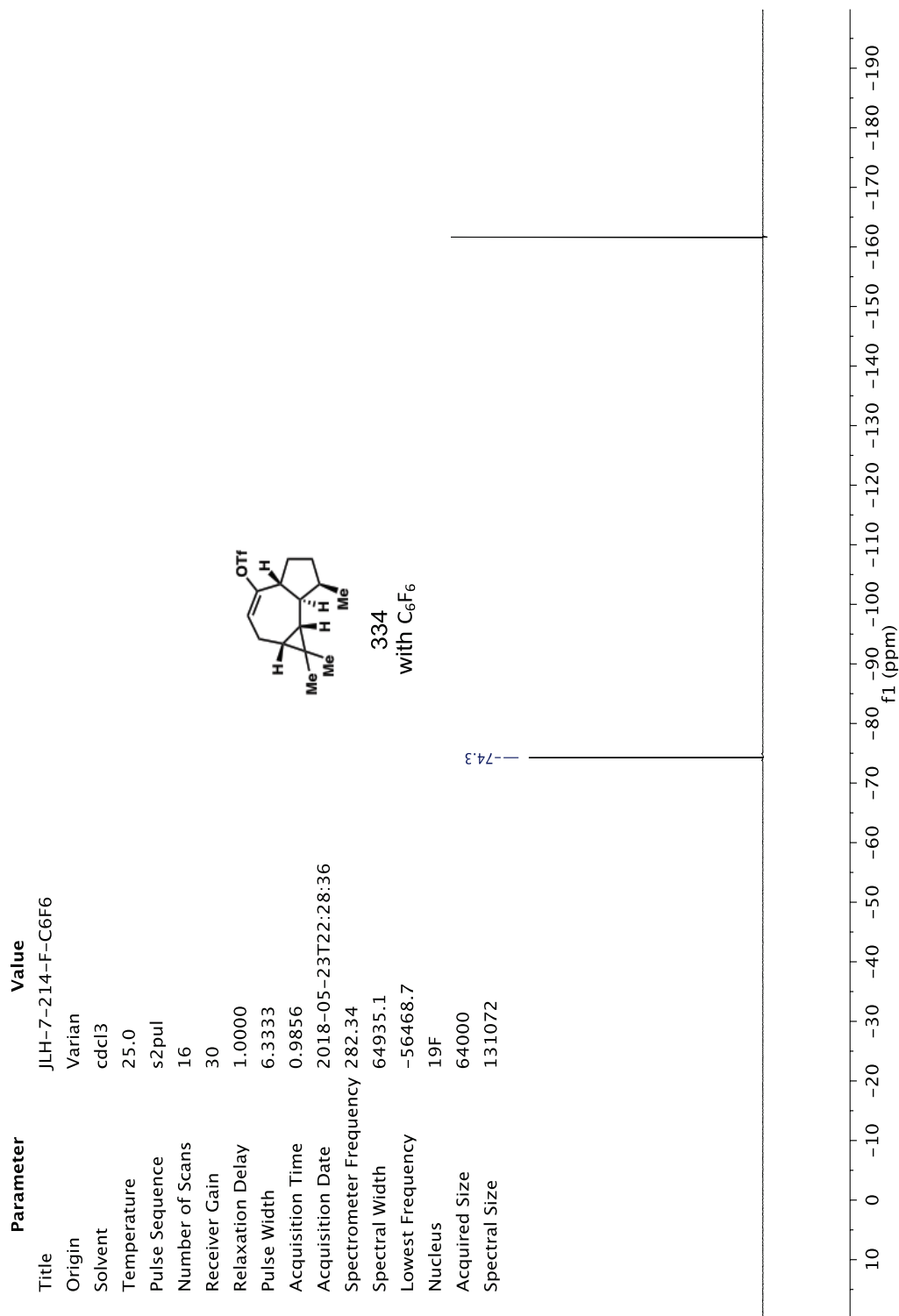


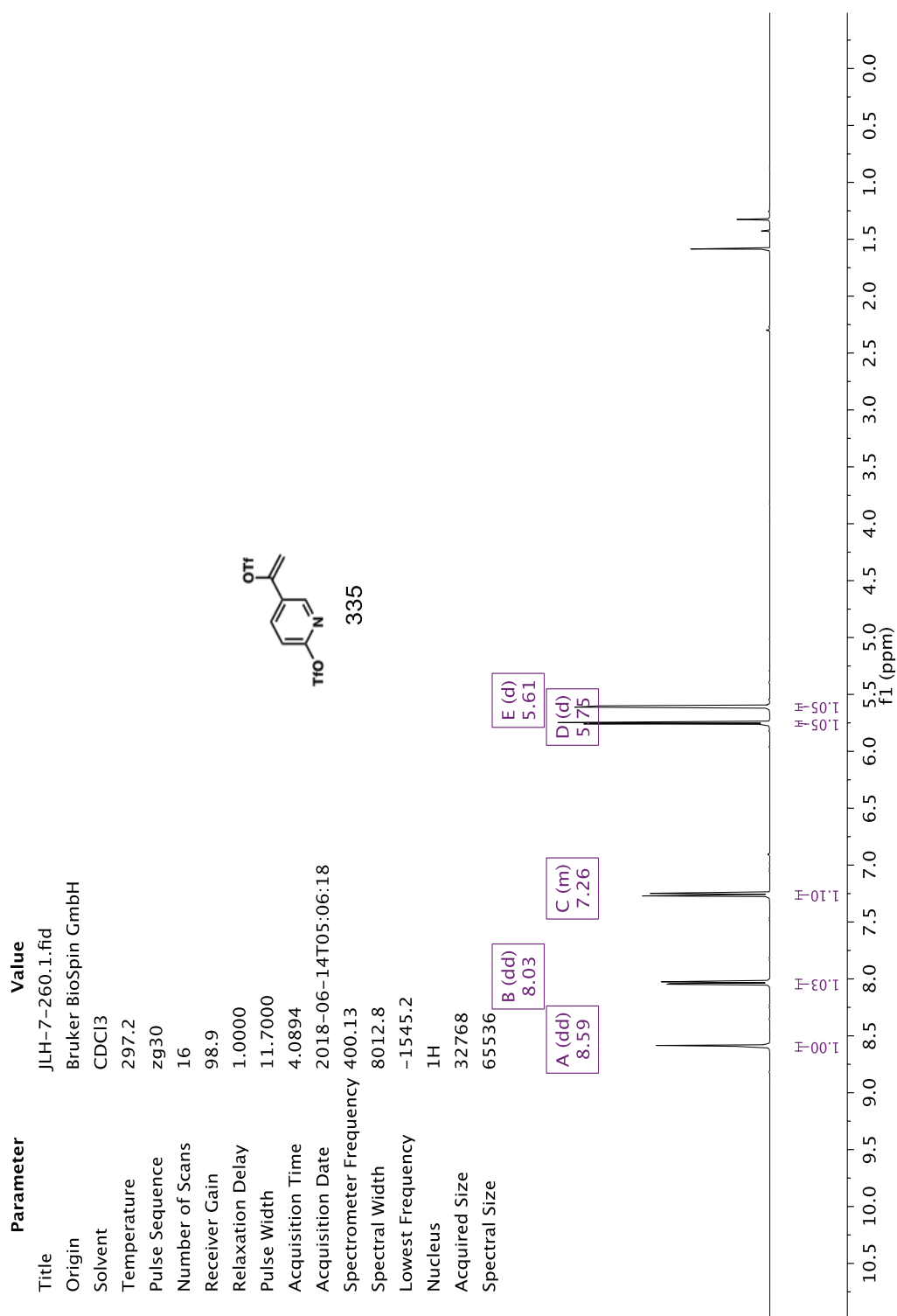


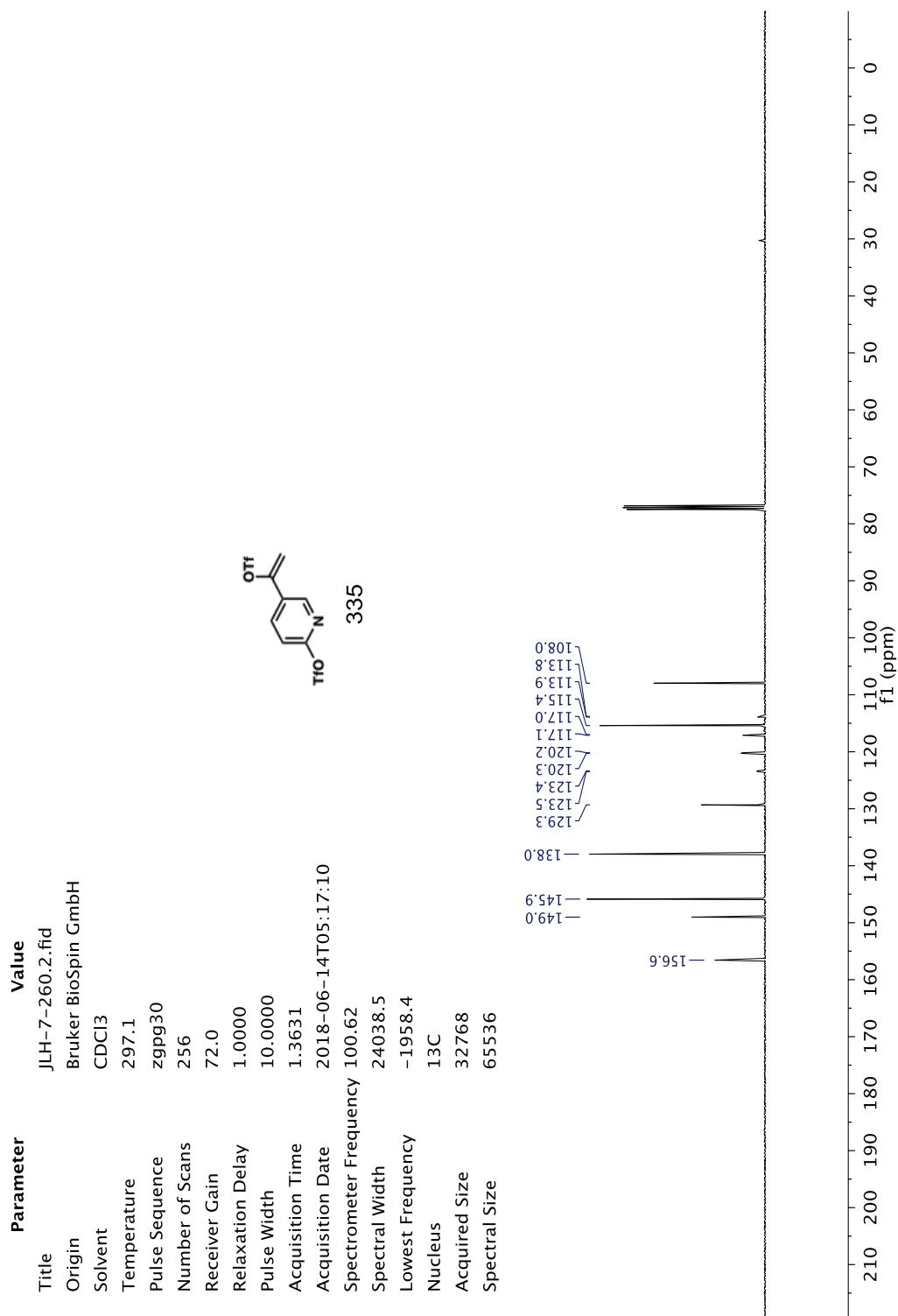


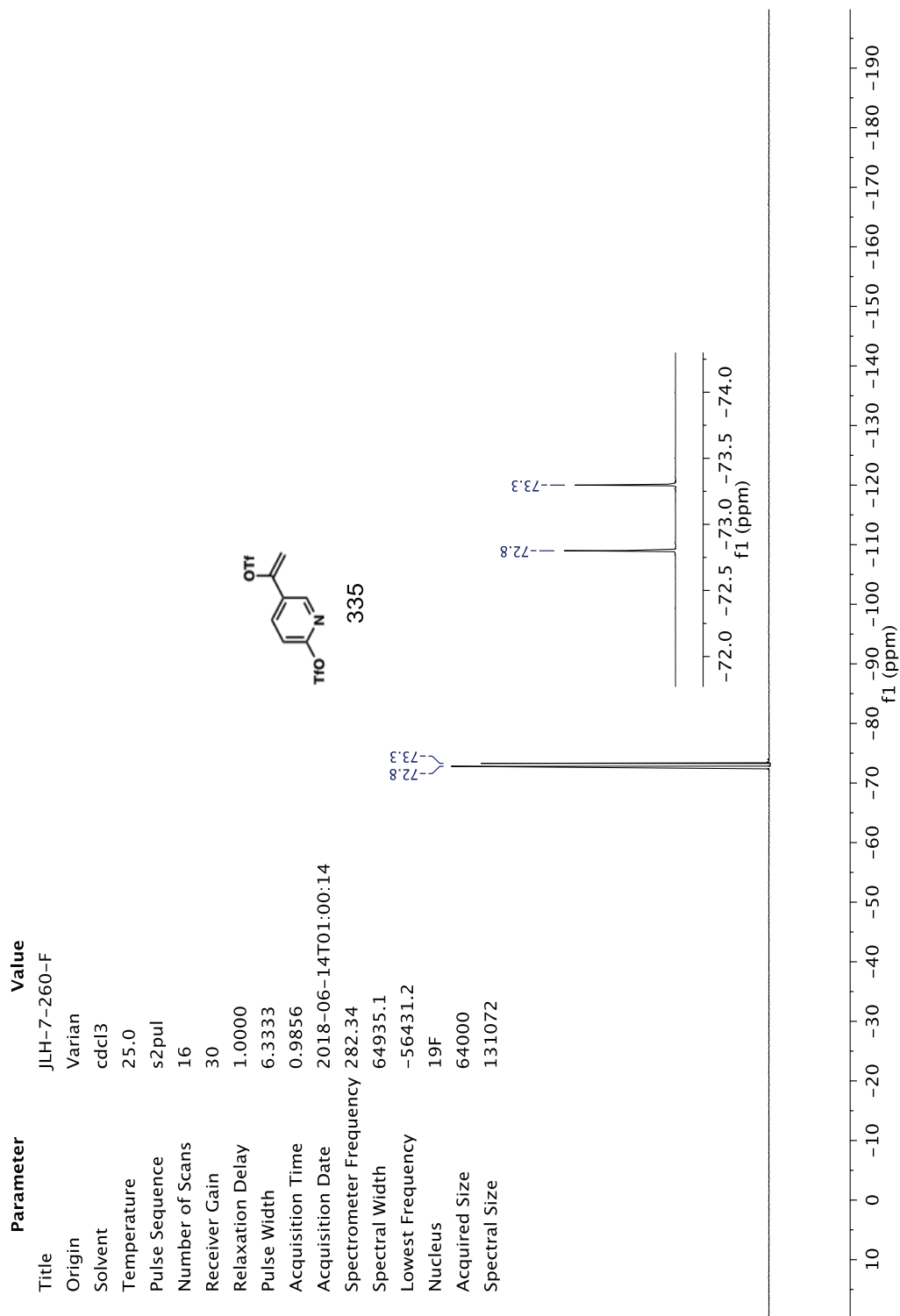


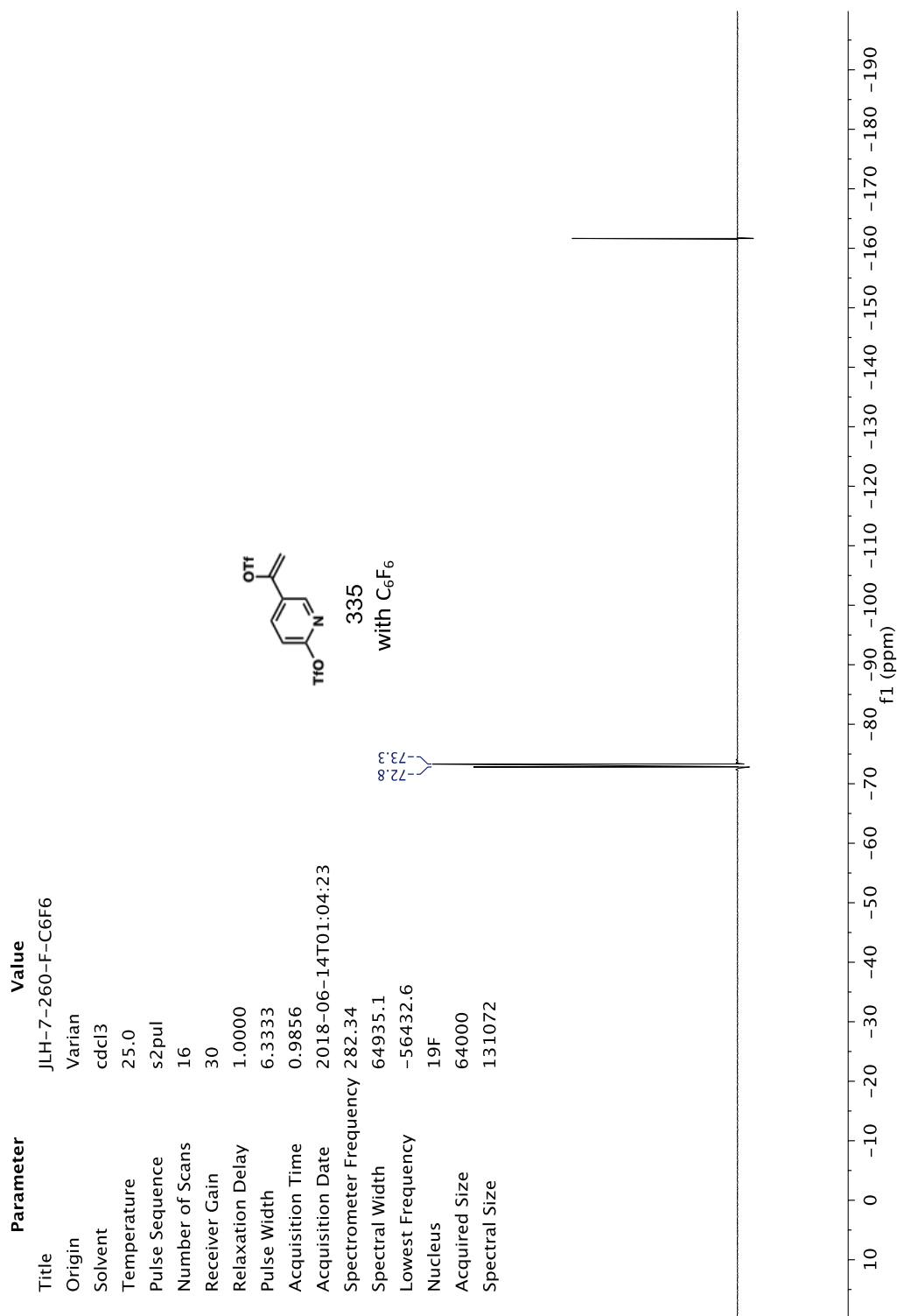


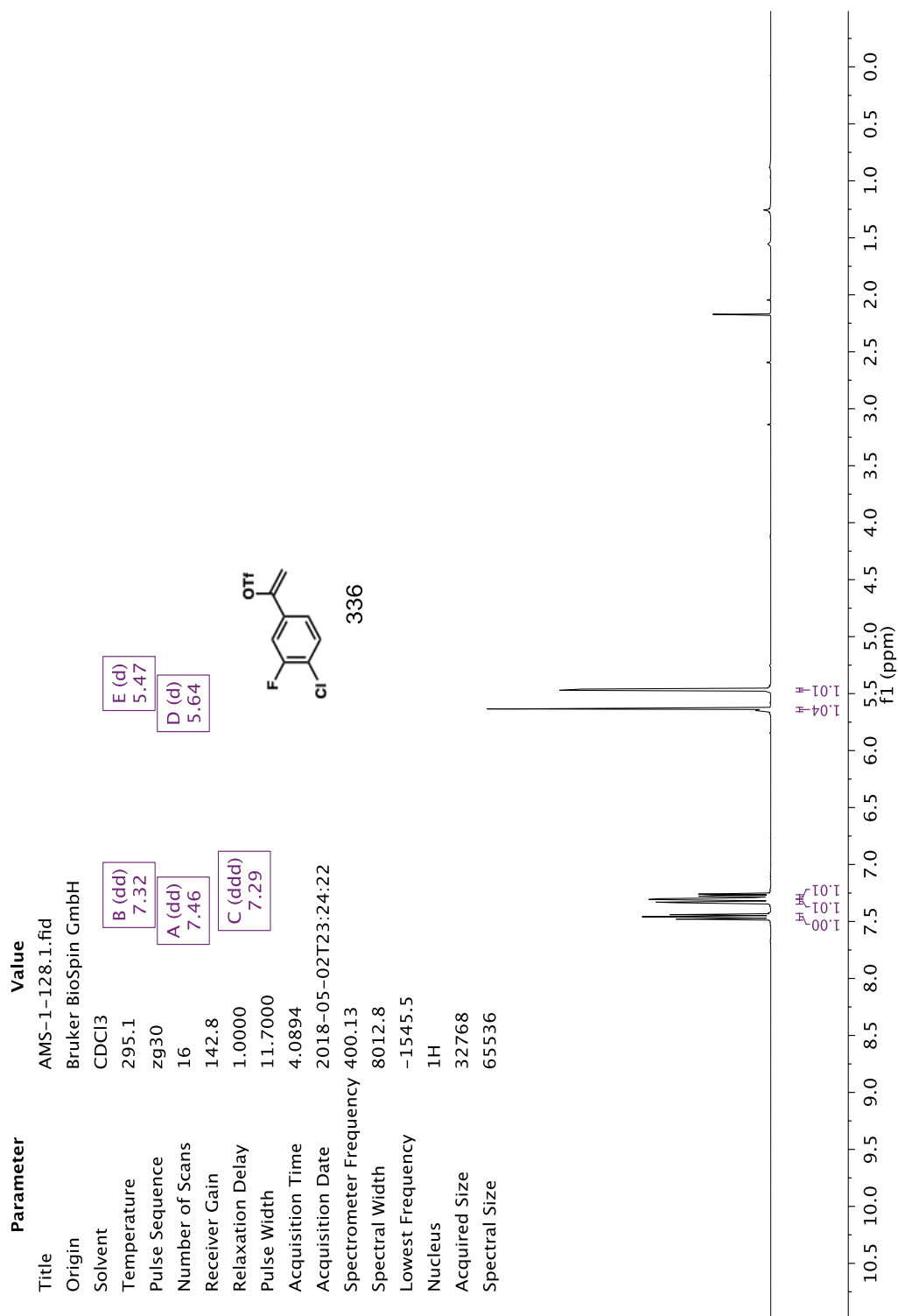


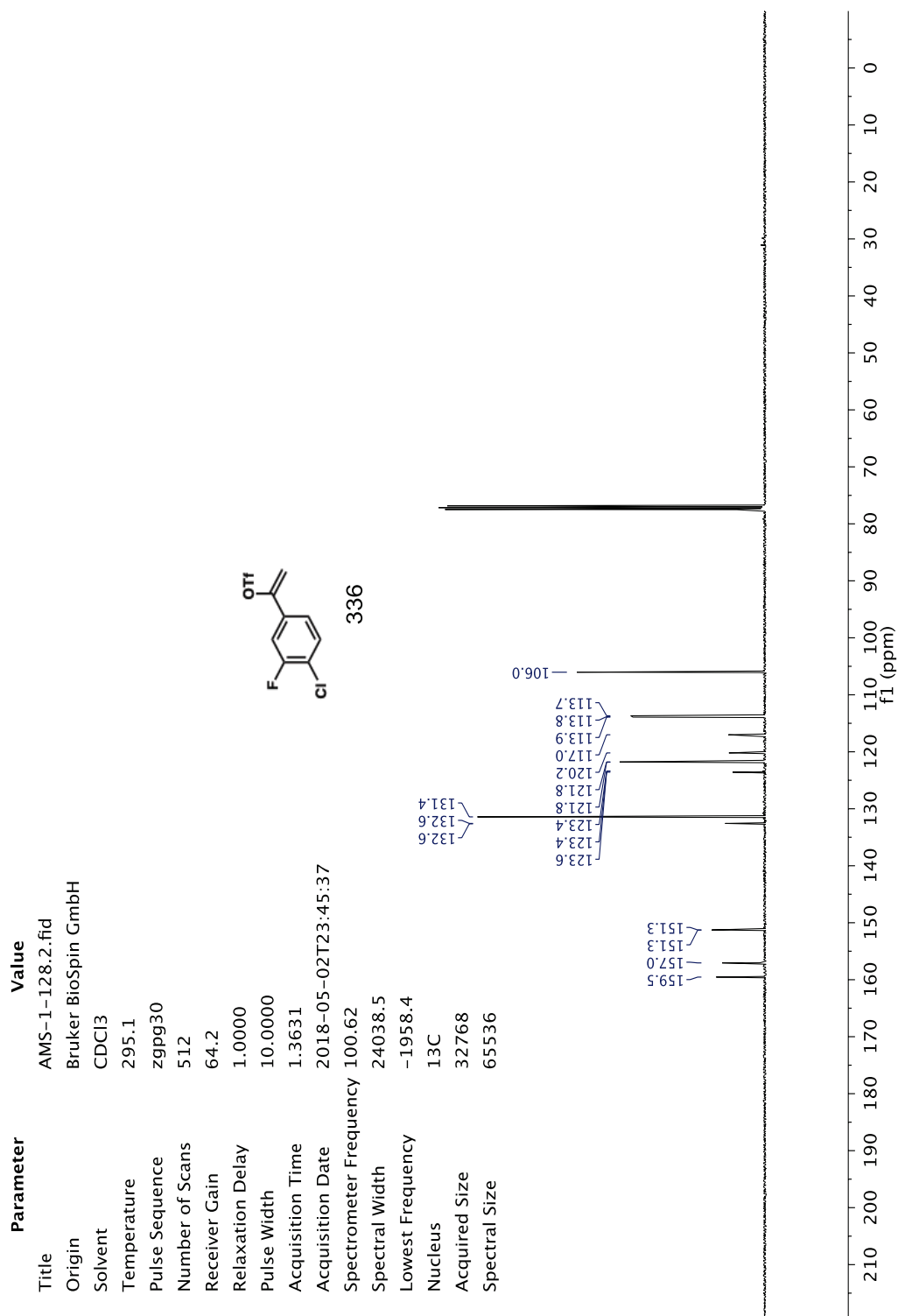


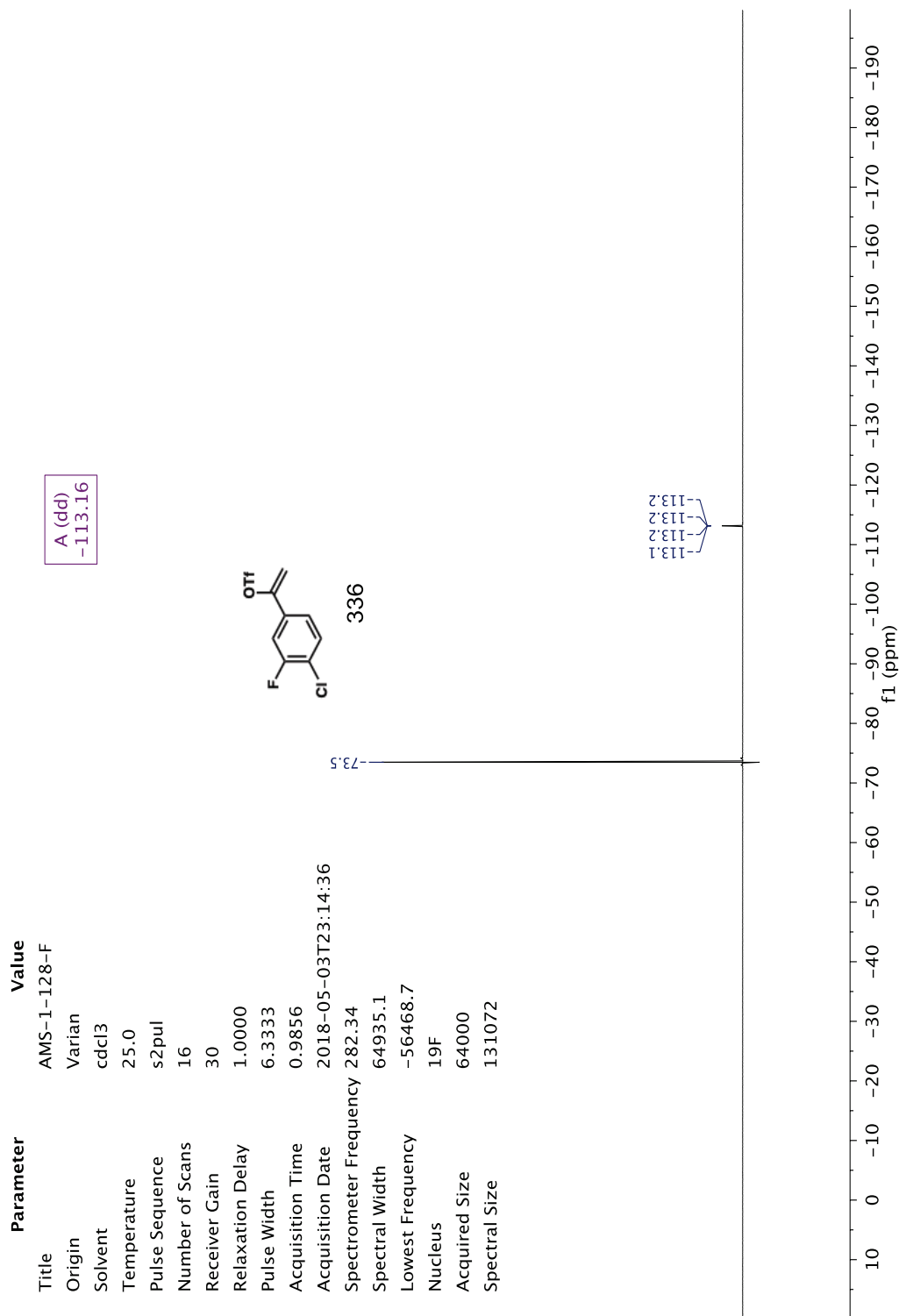


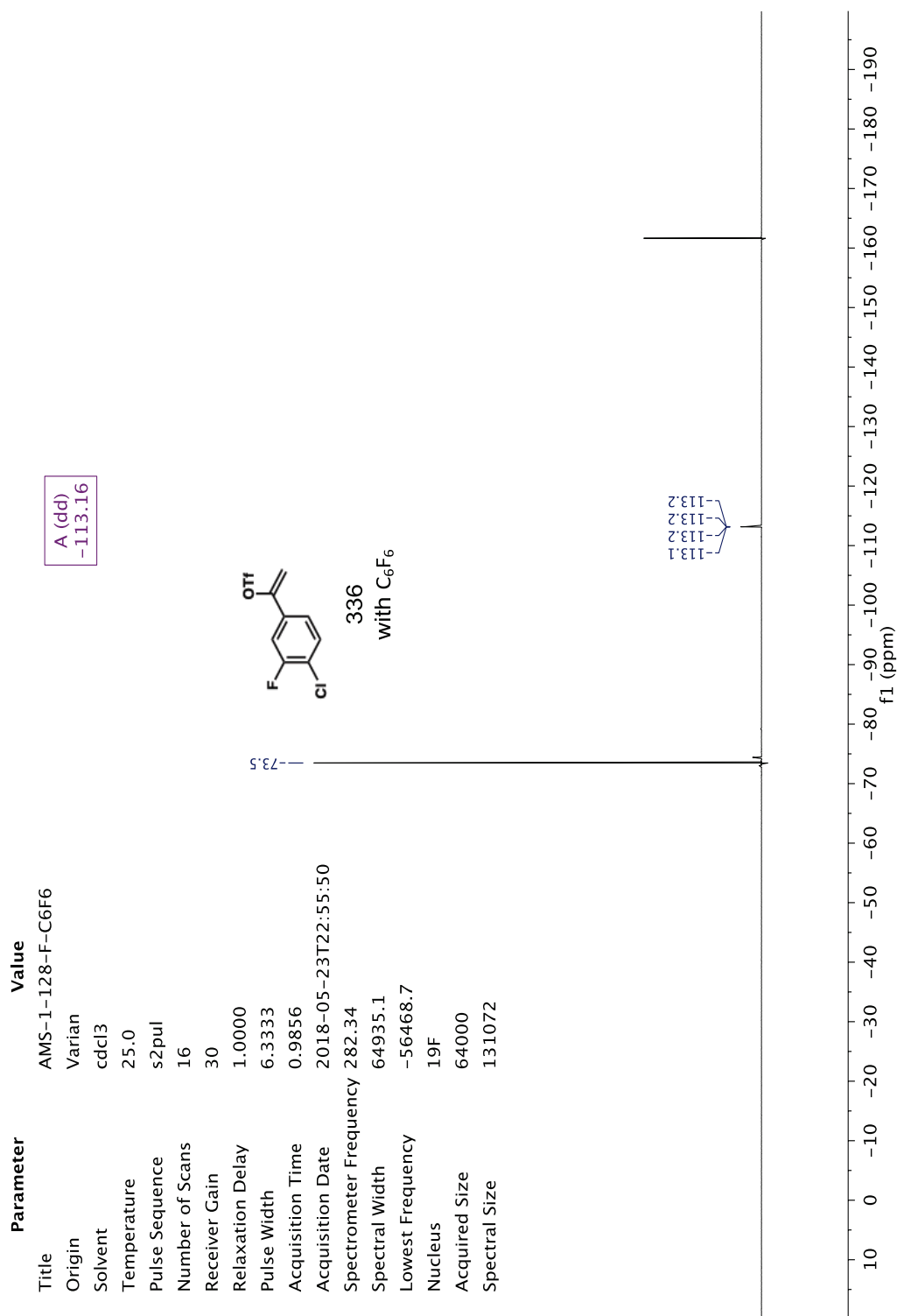


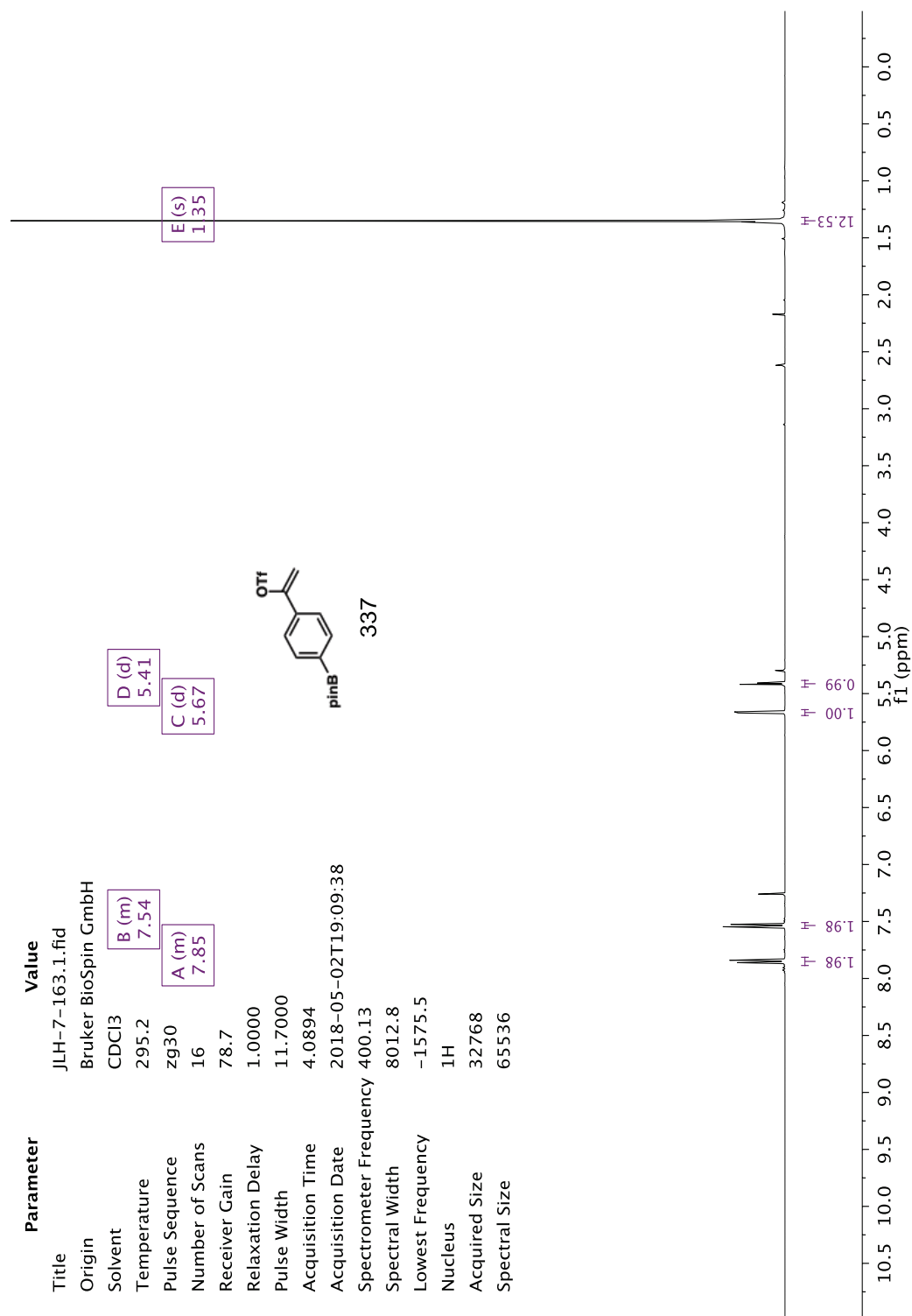


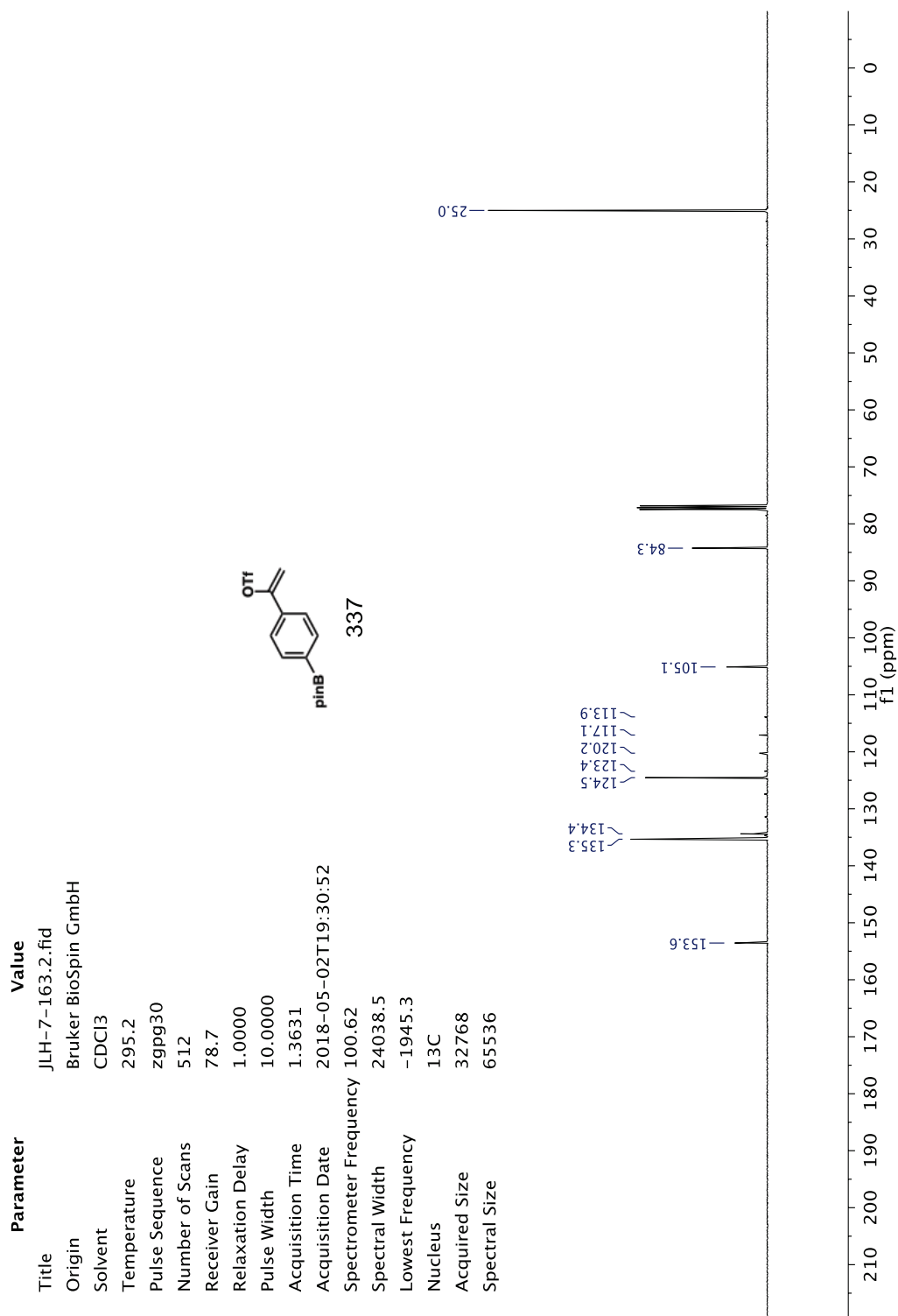


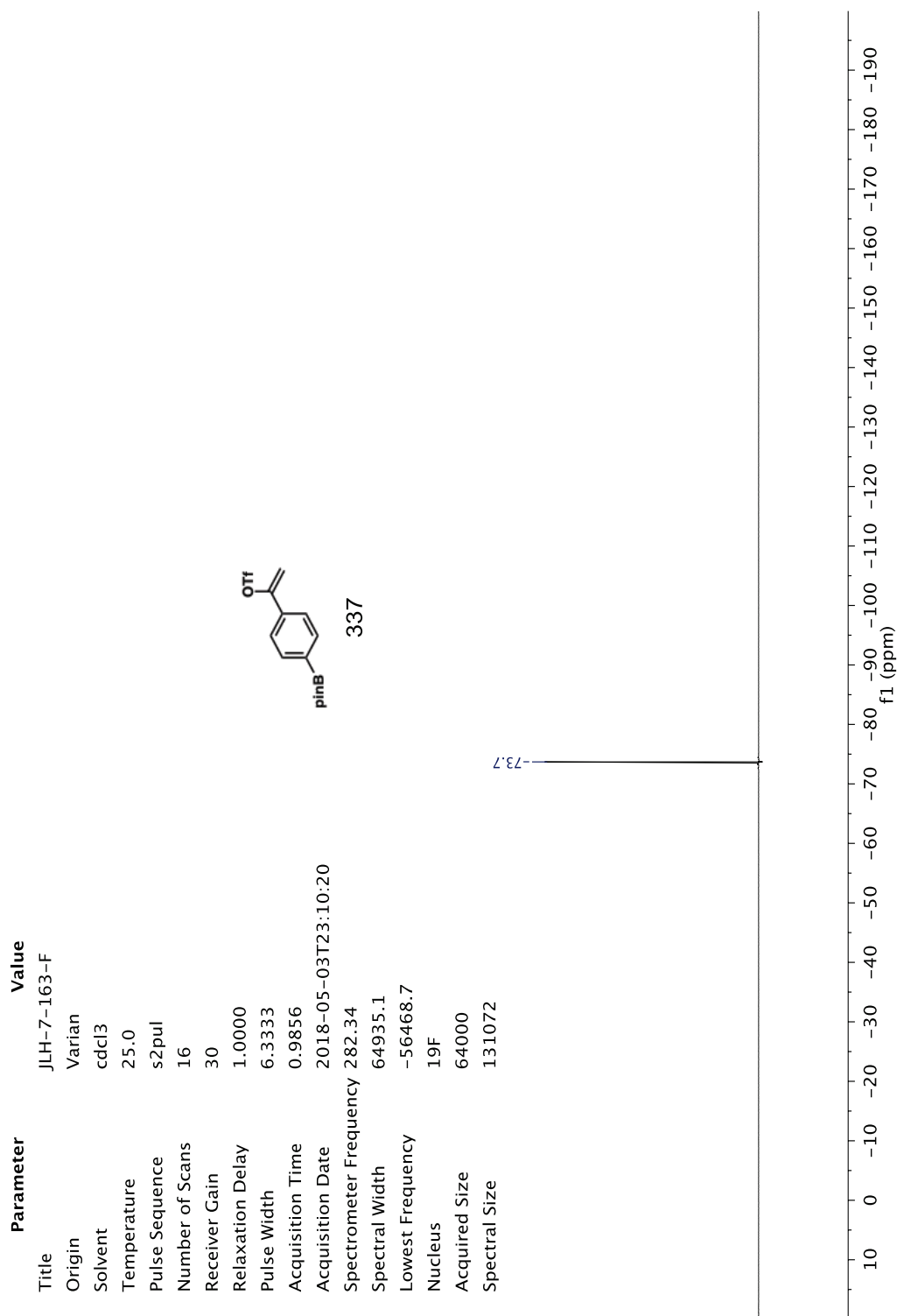


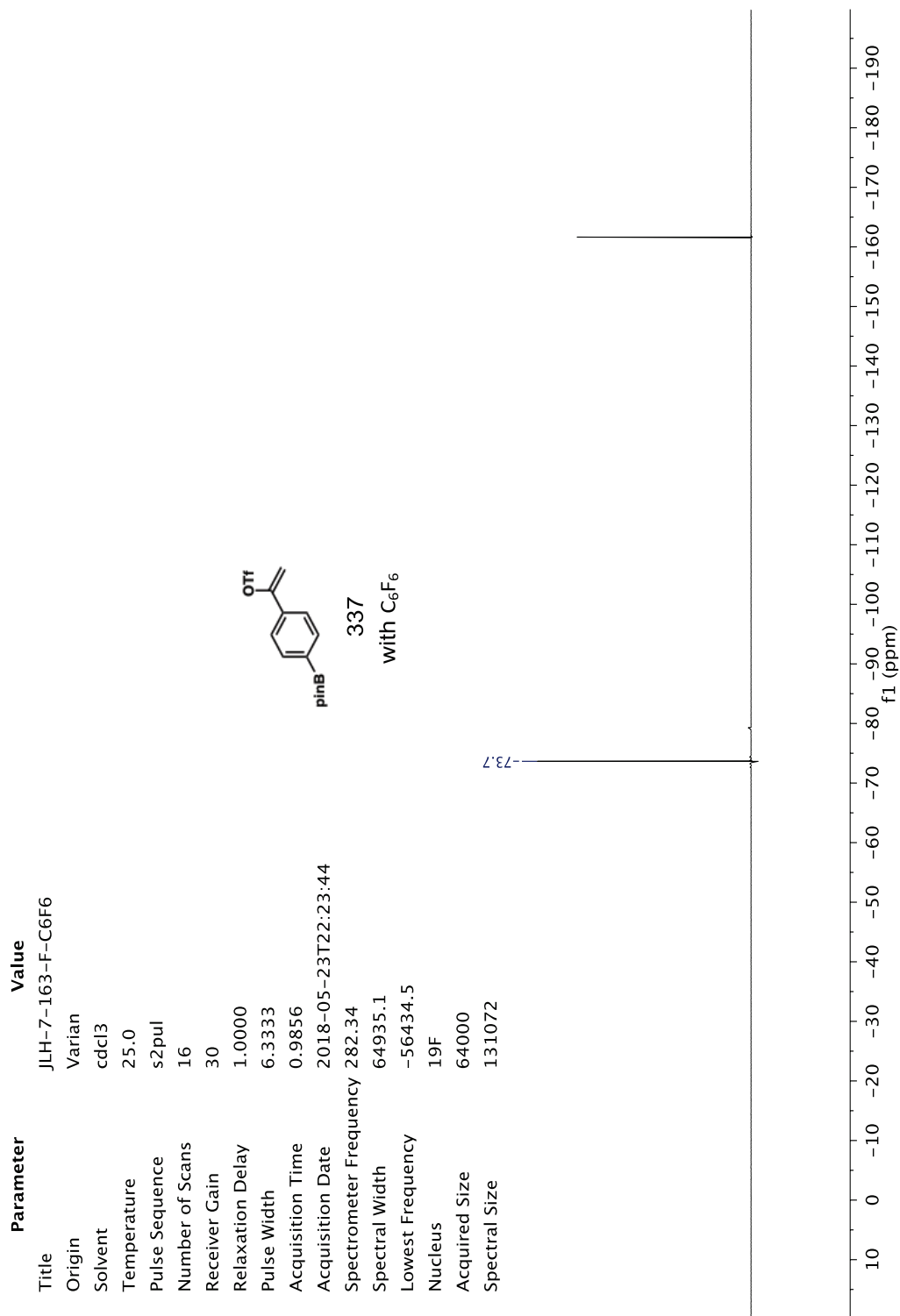


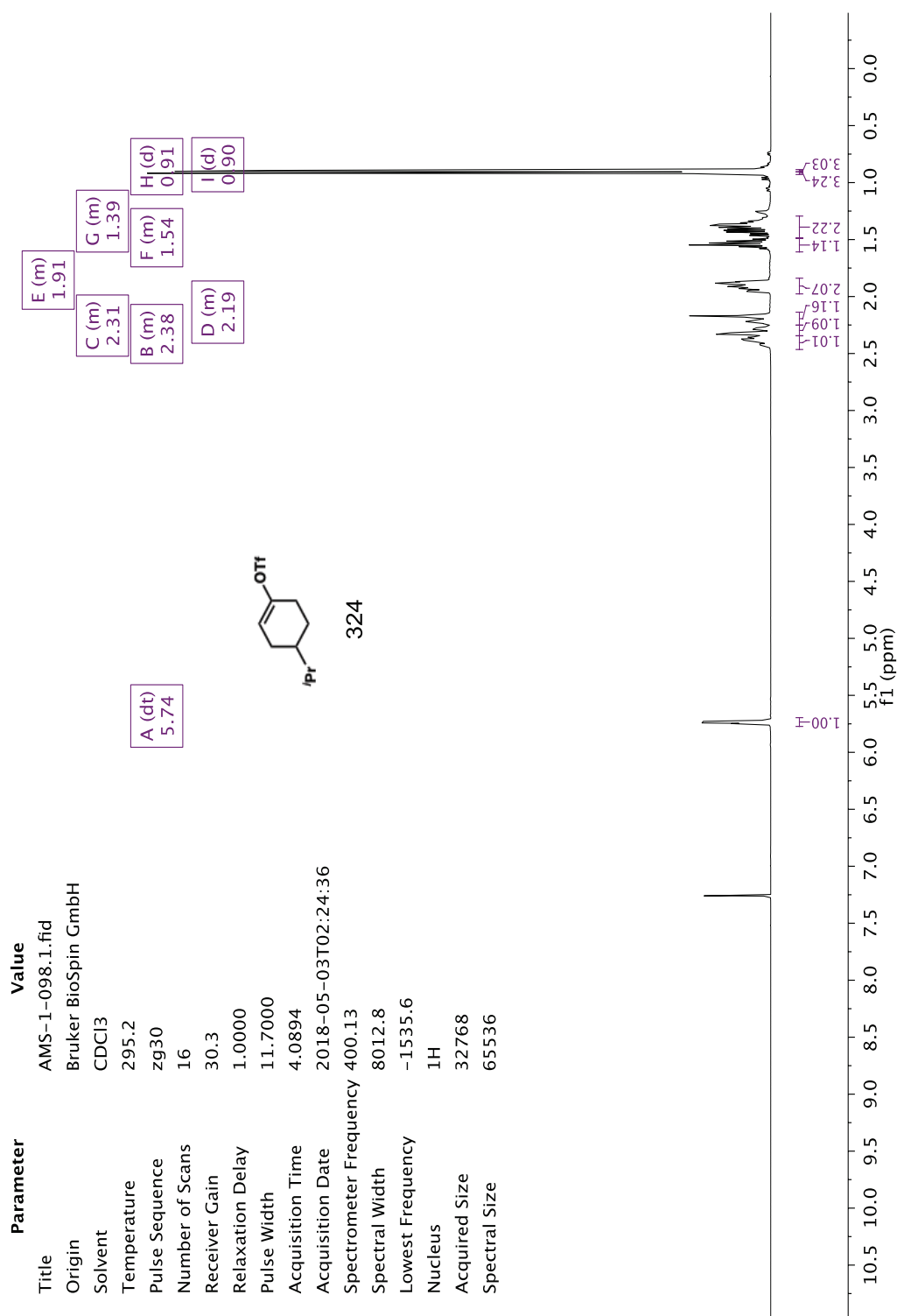


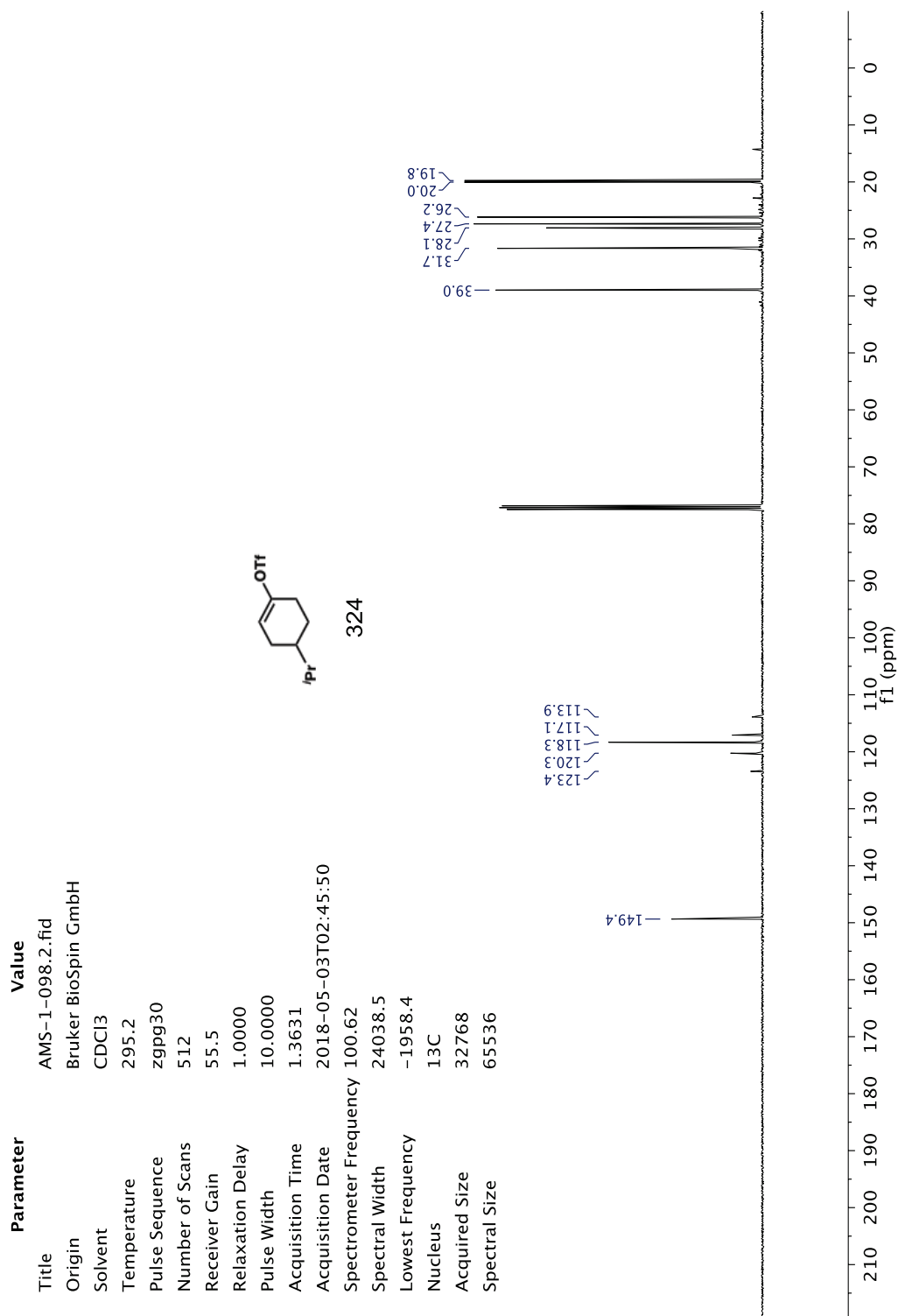


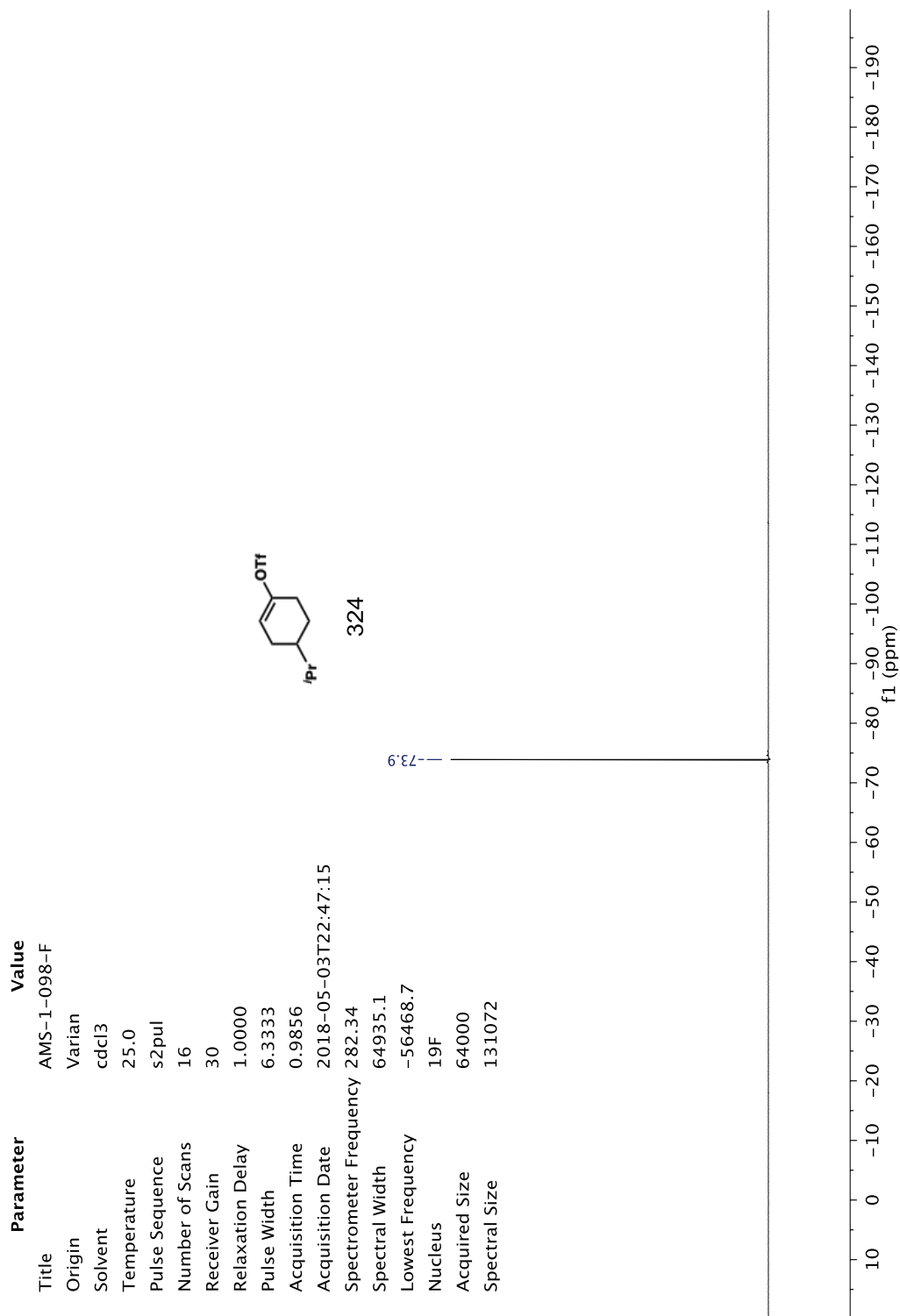


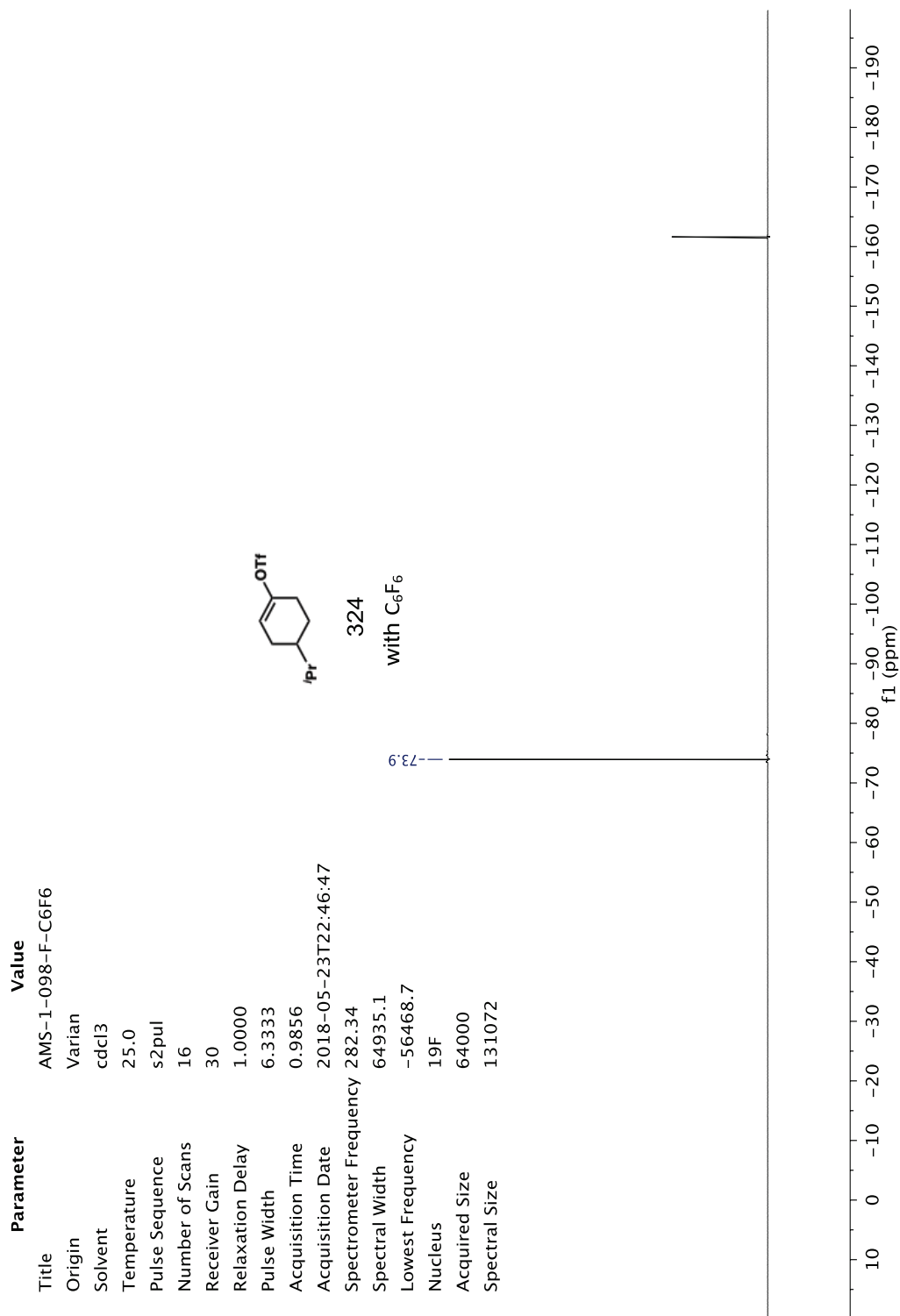


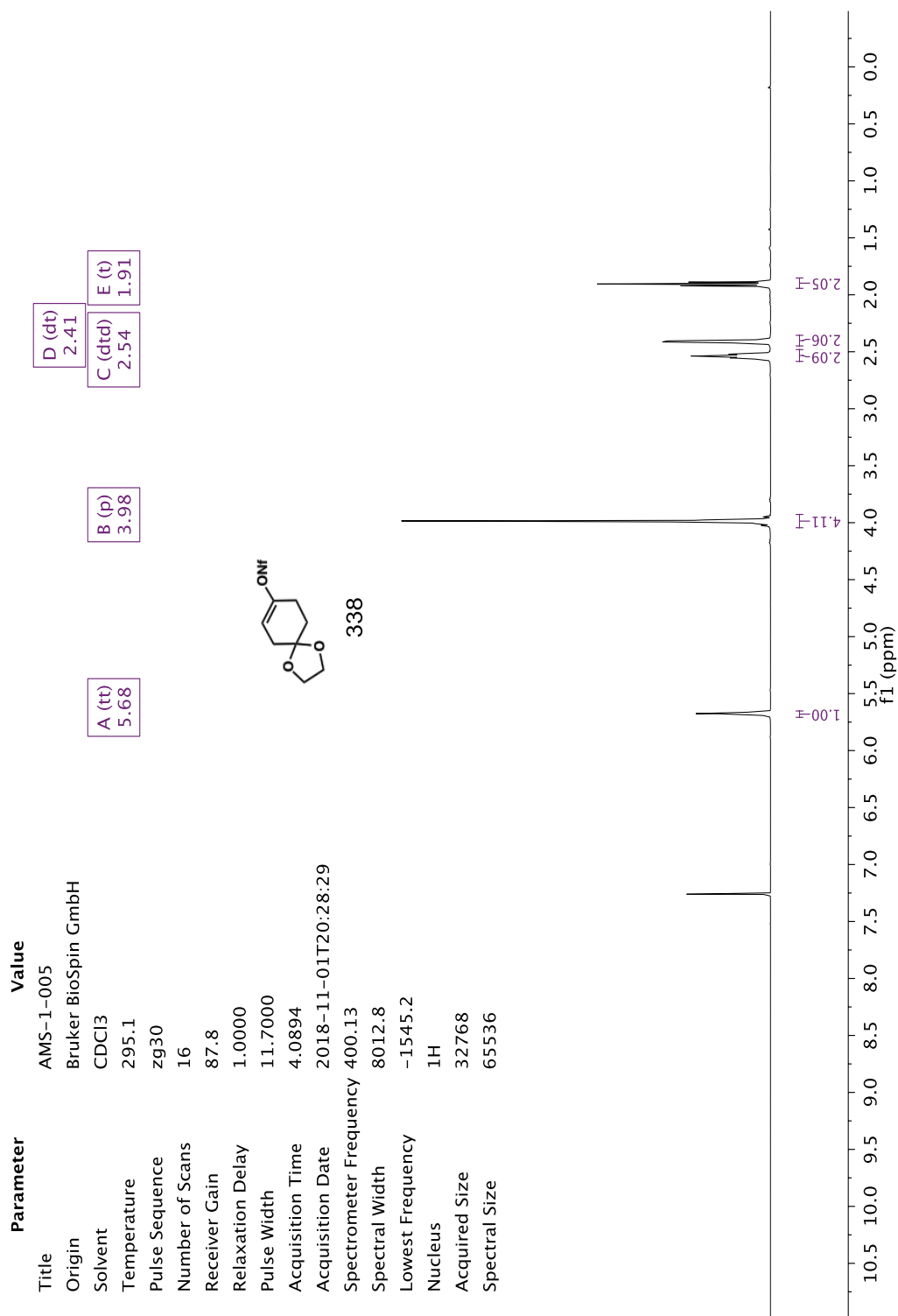


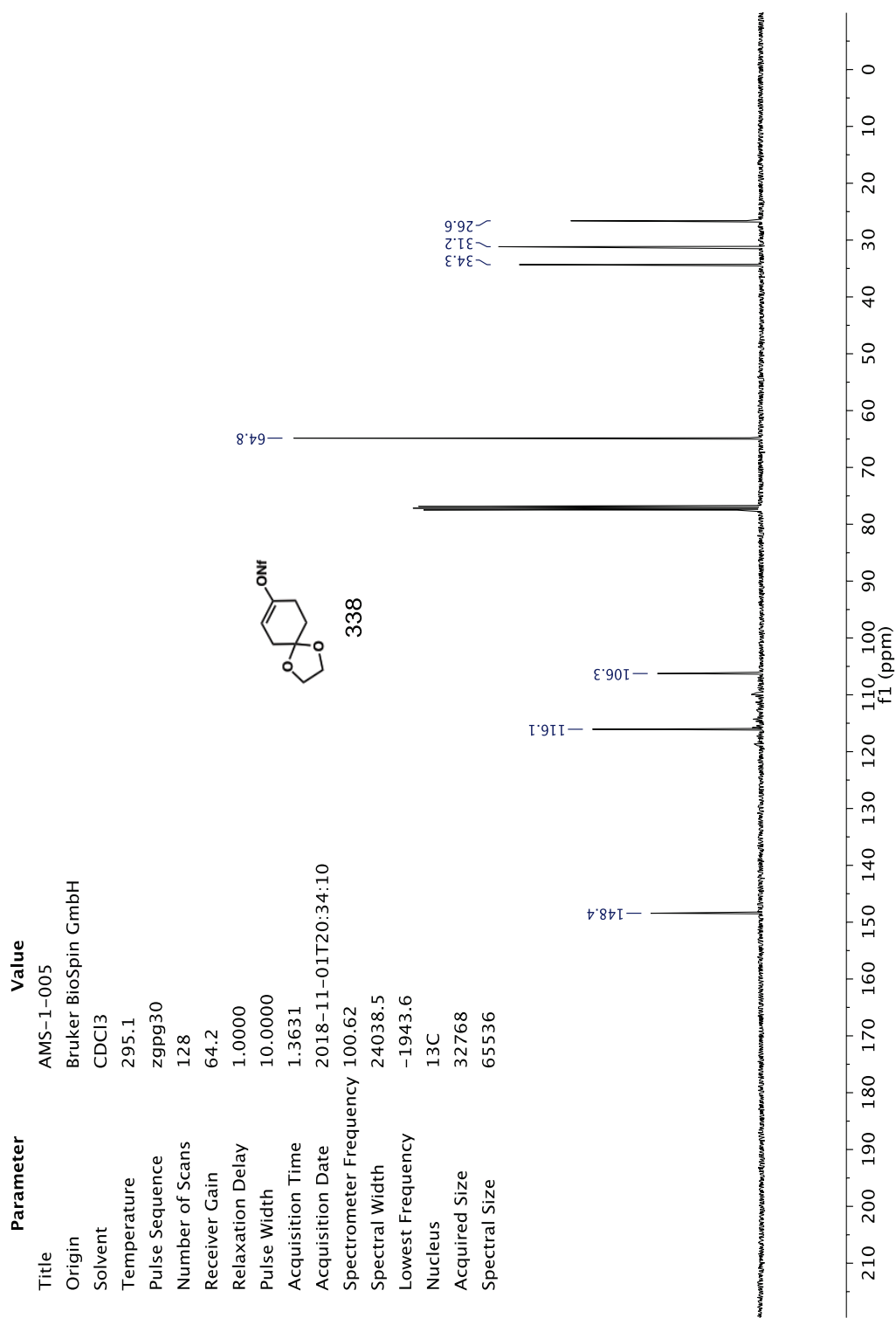


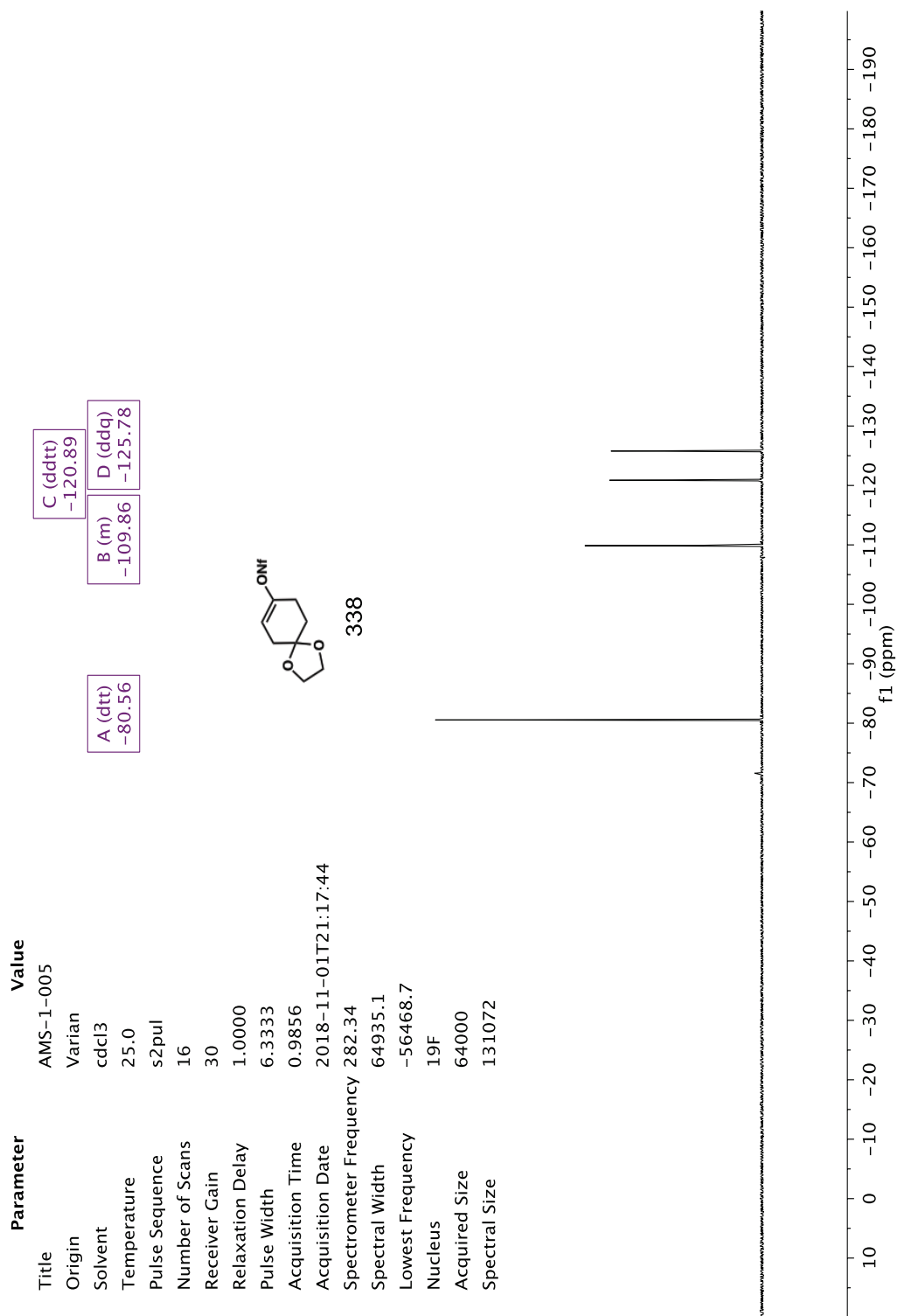


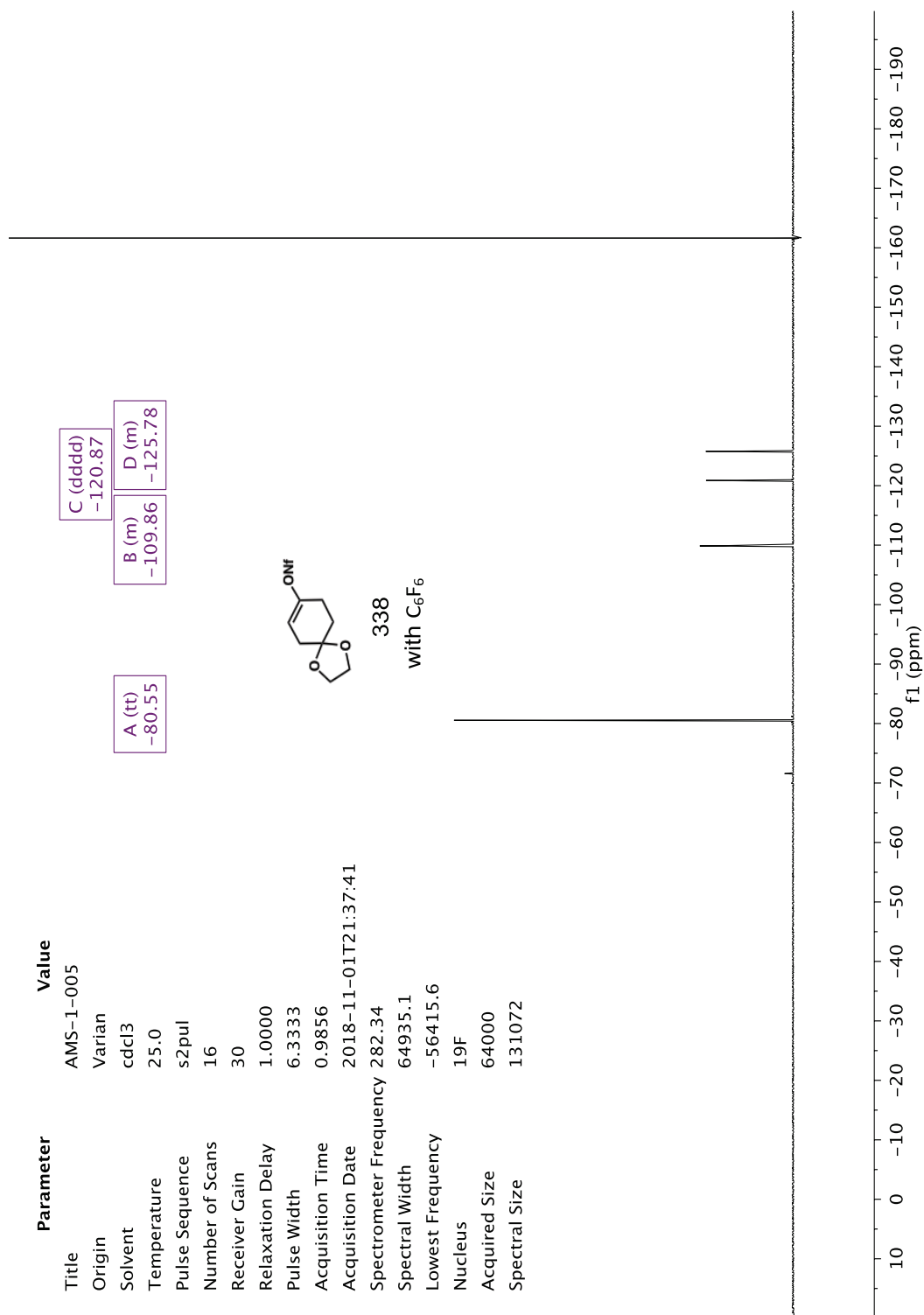


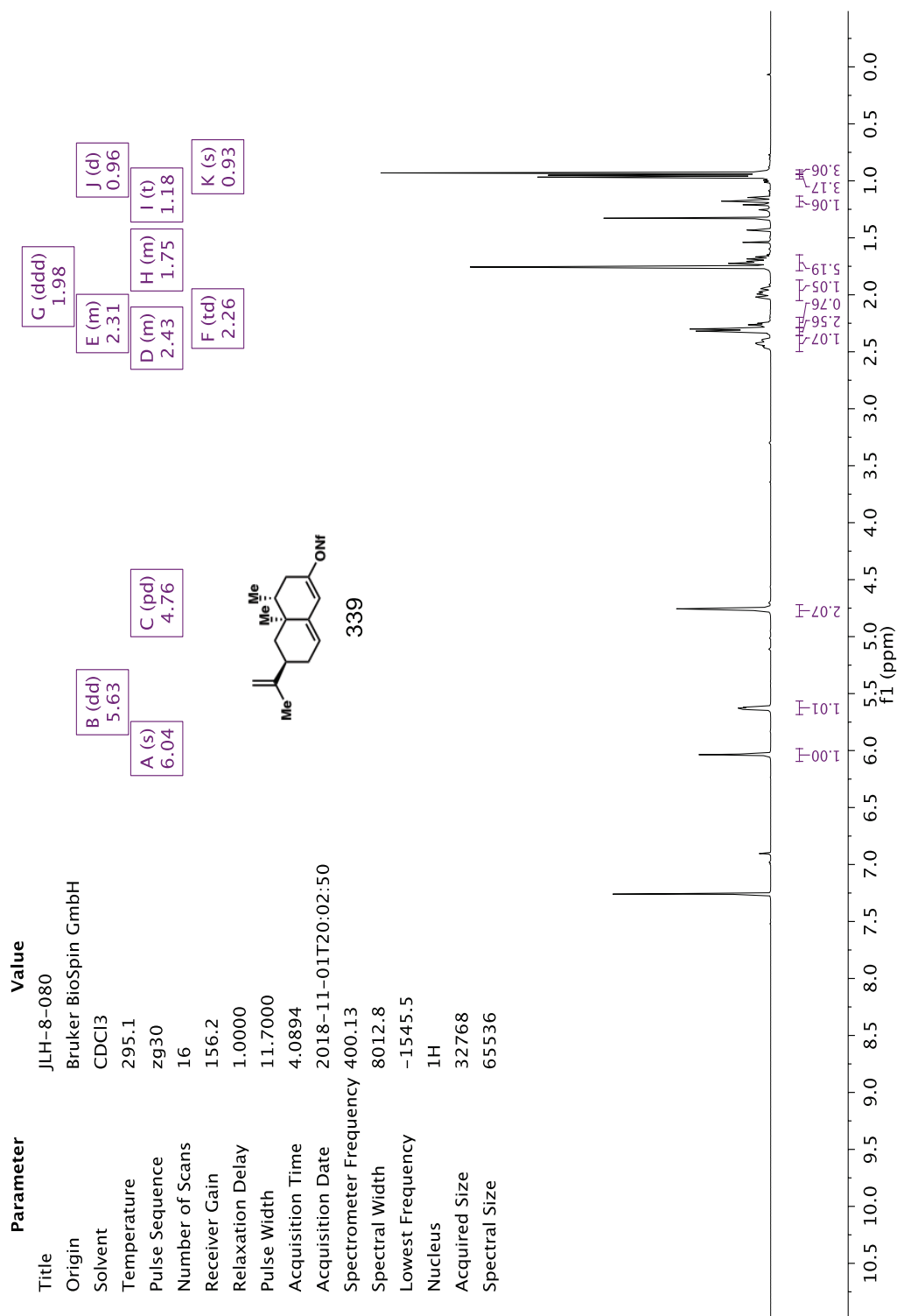




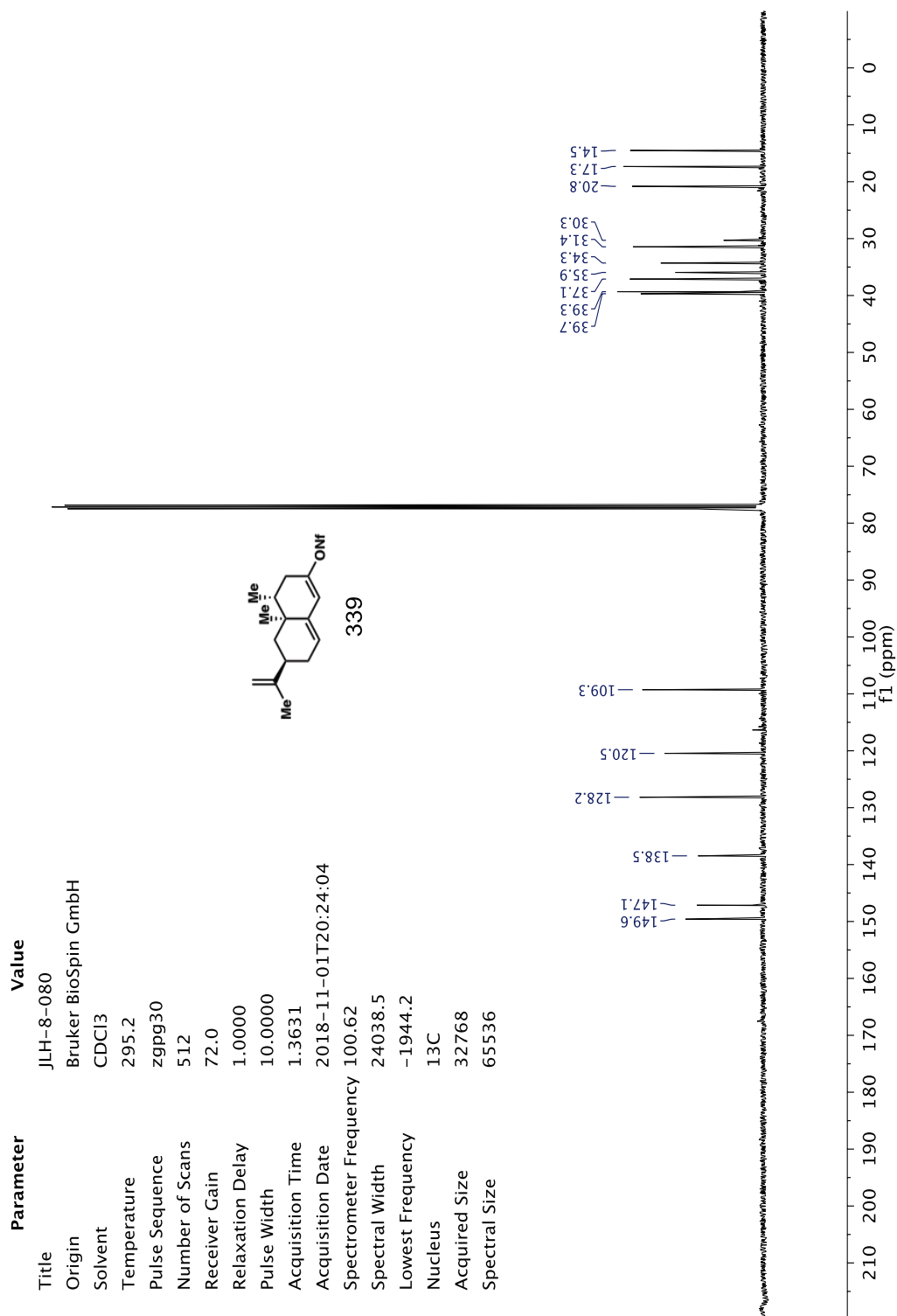


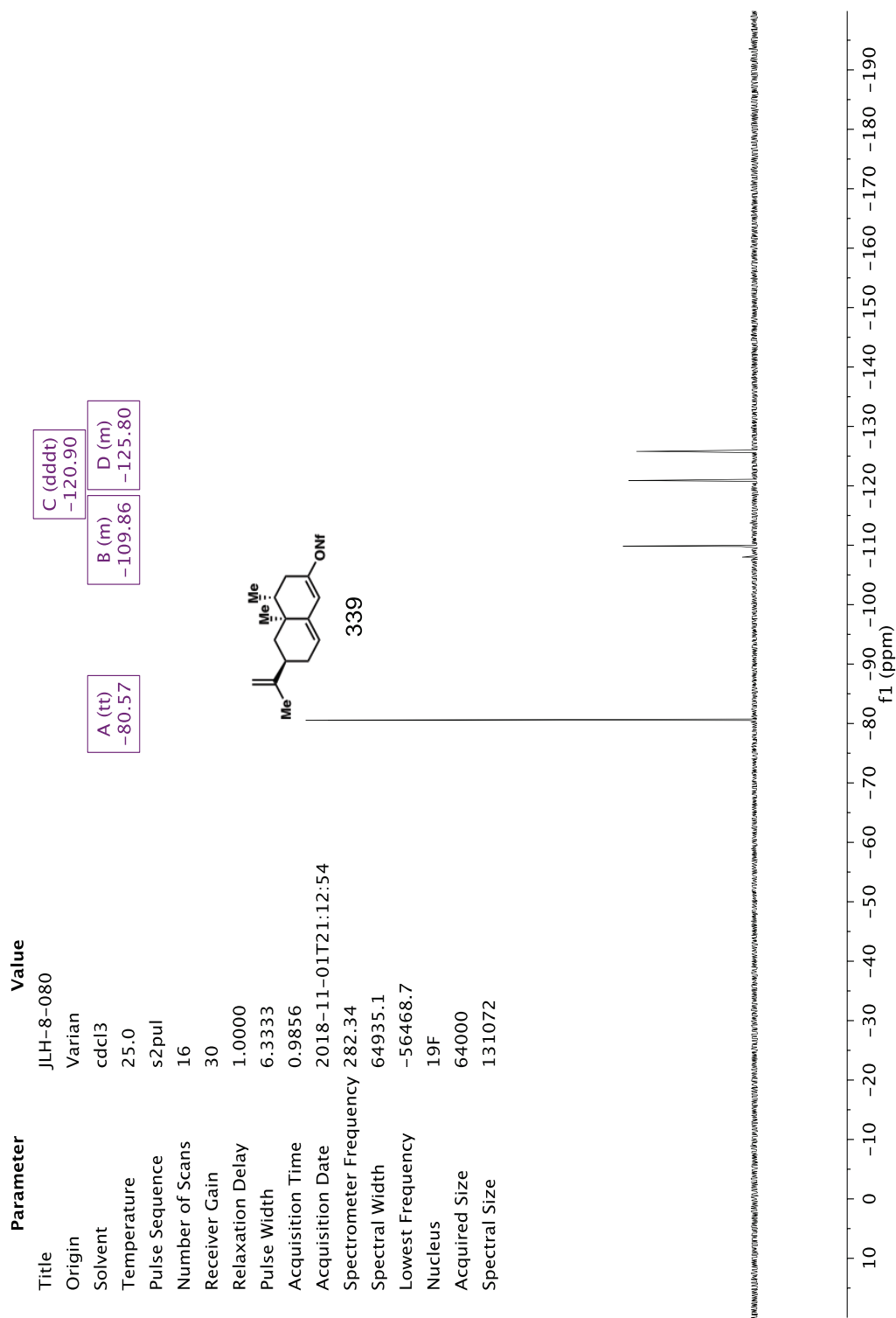


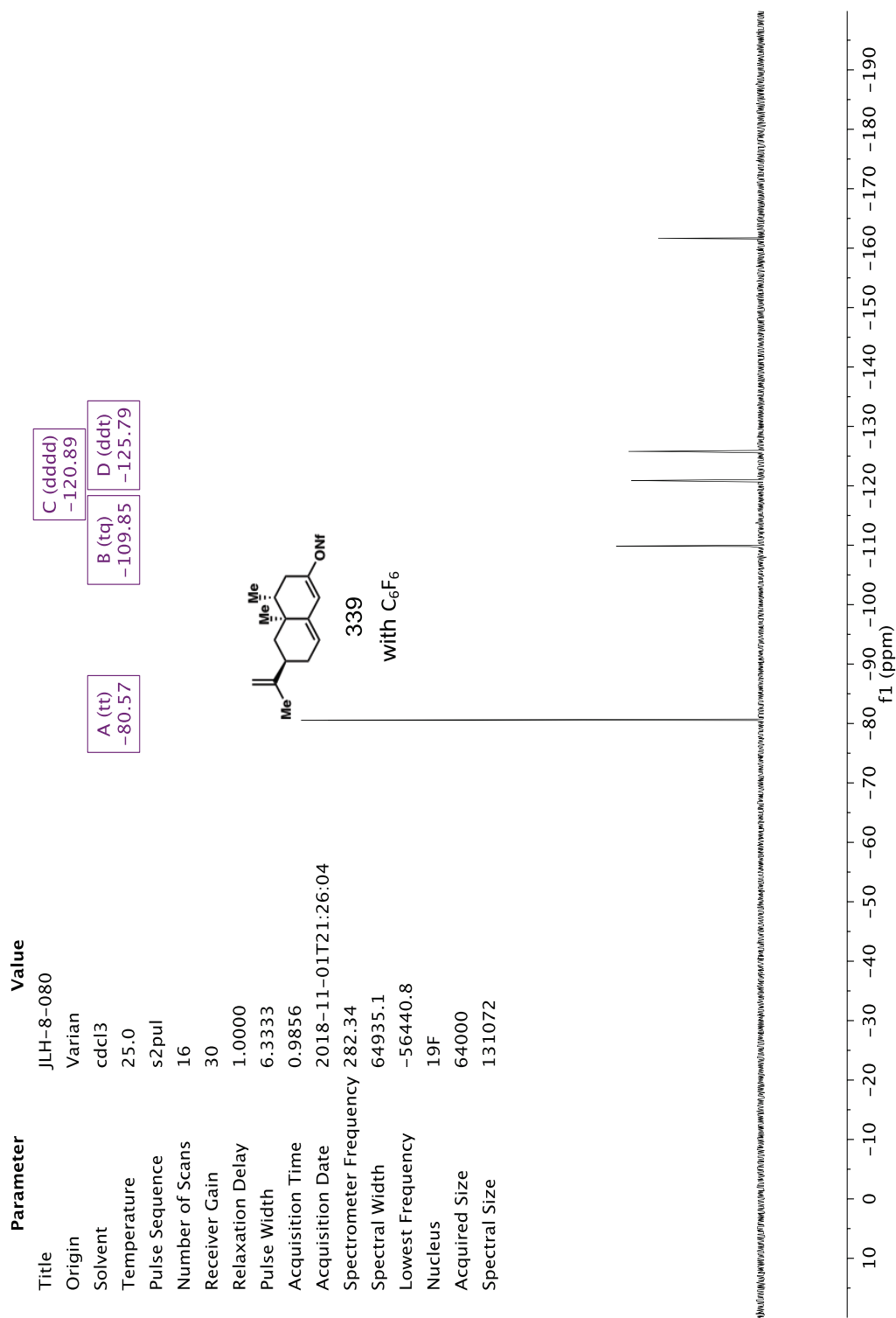


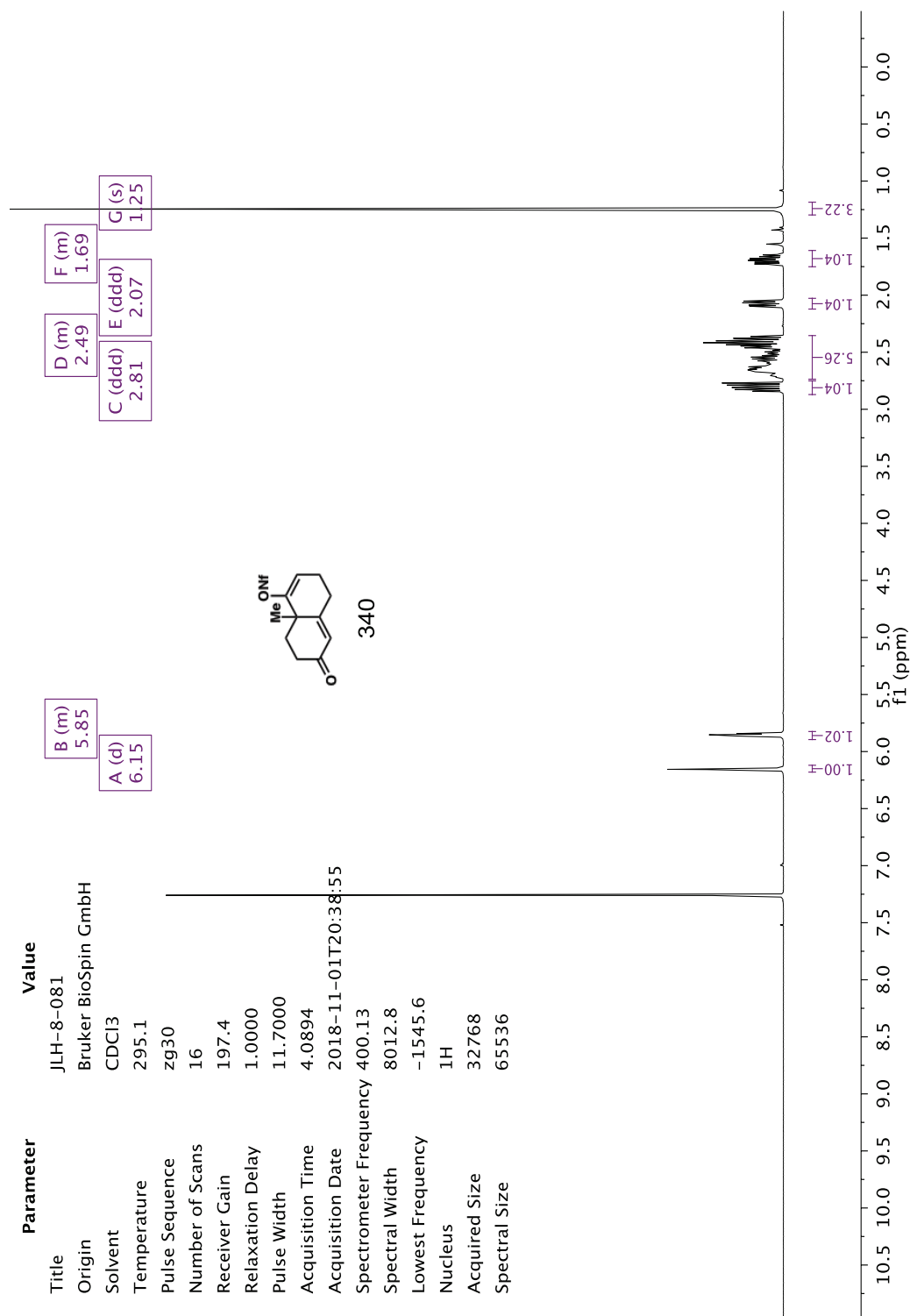


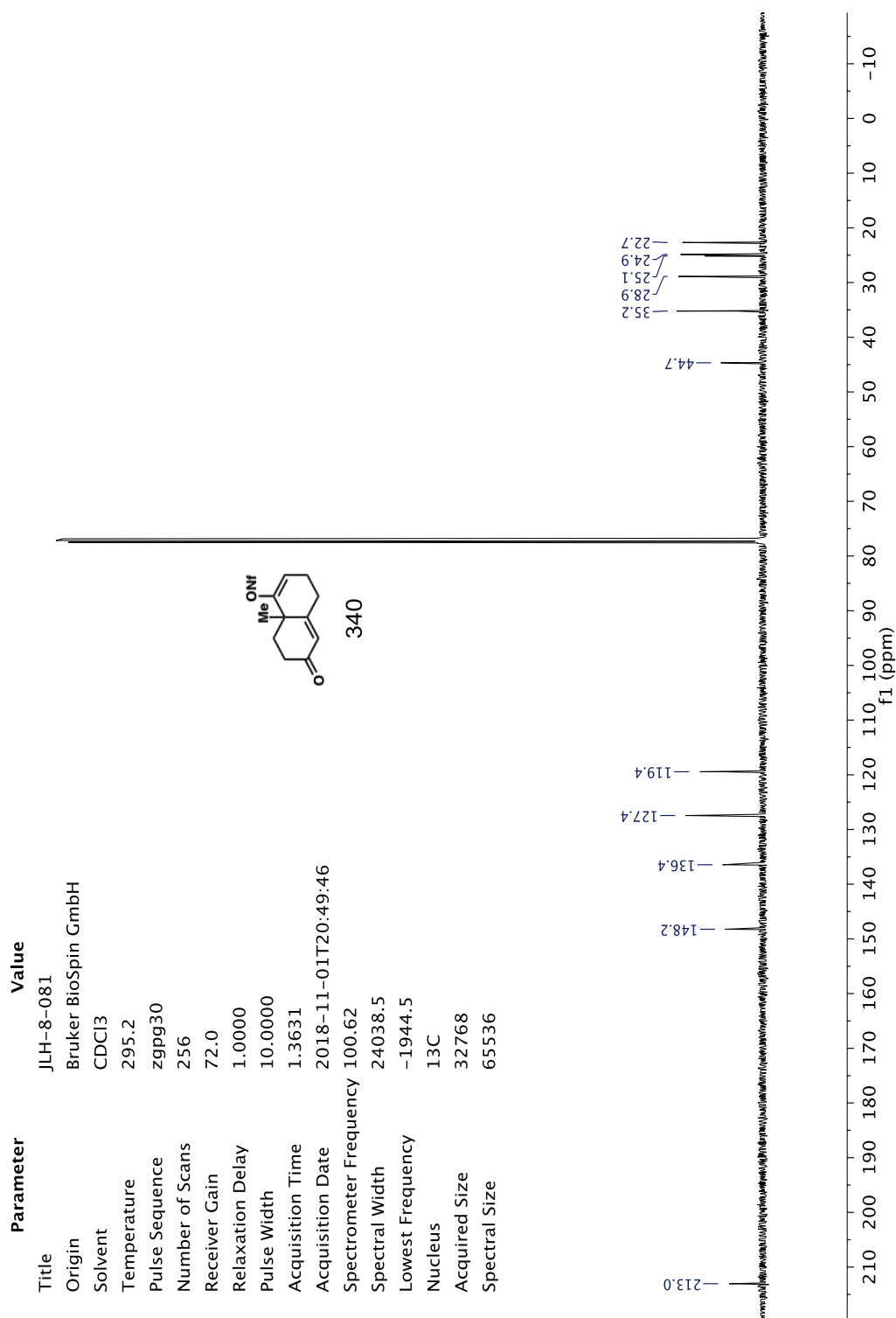
v

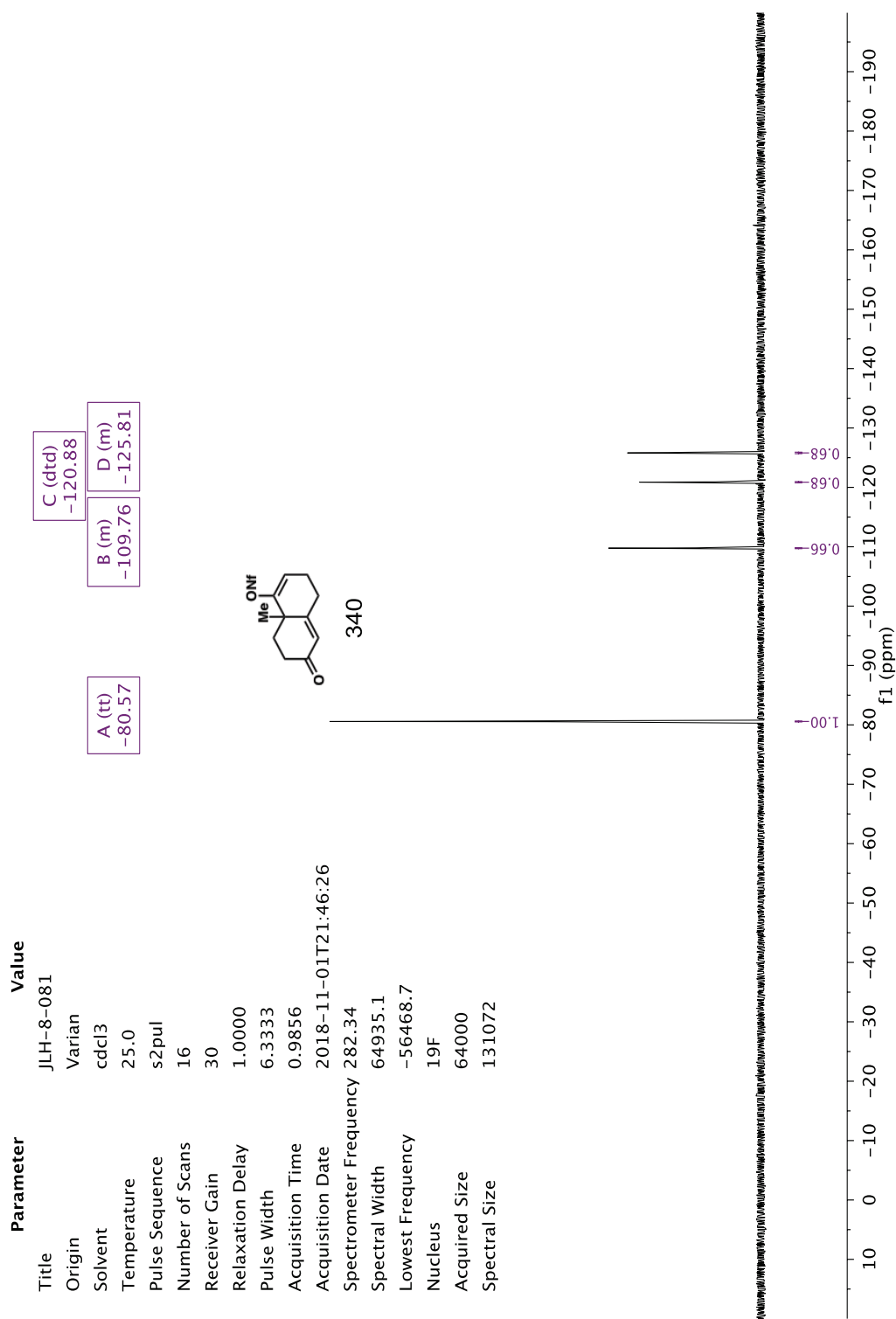


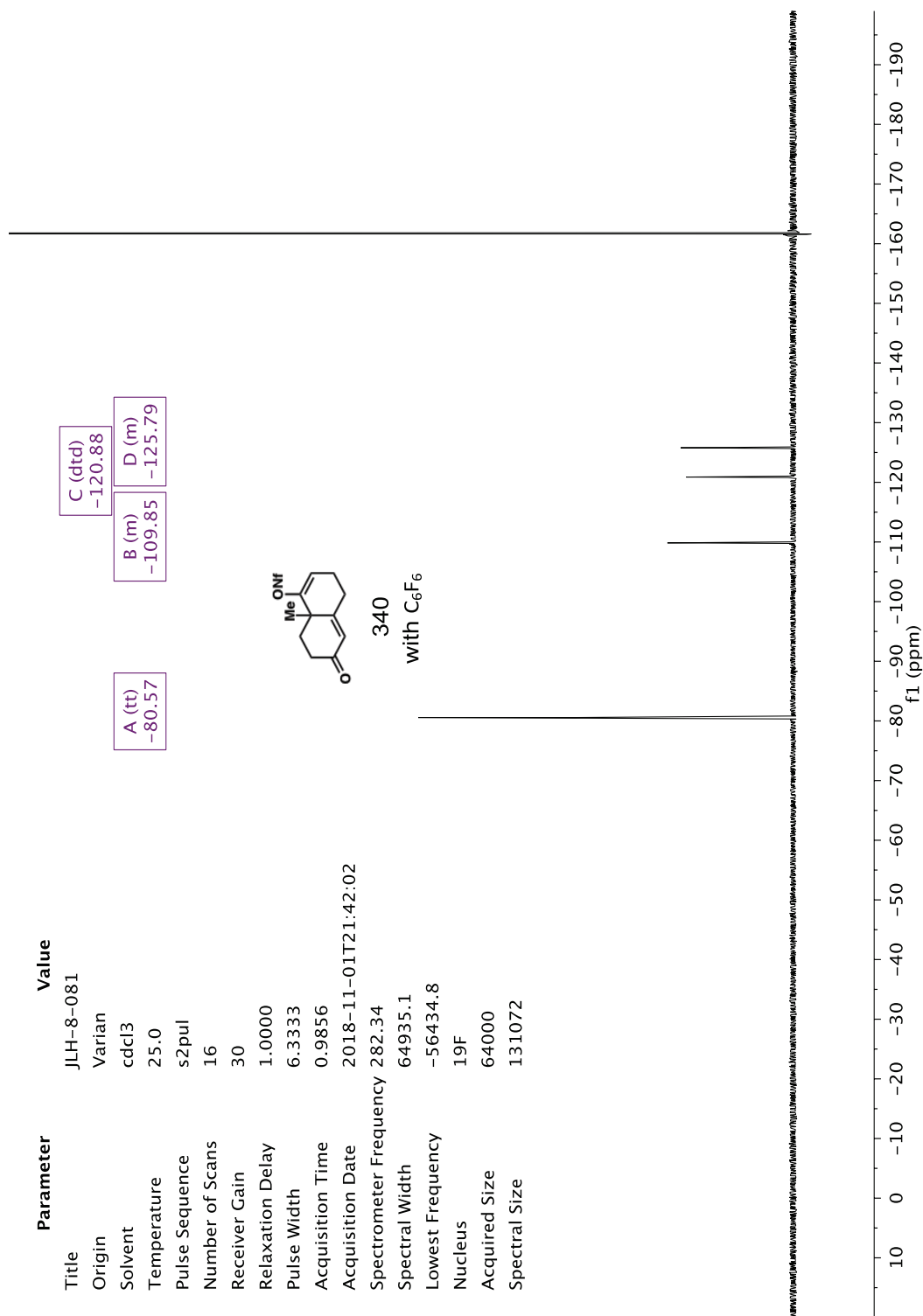


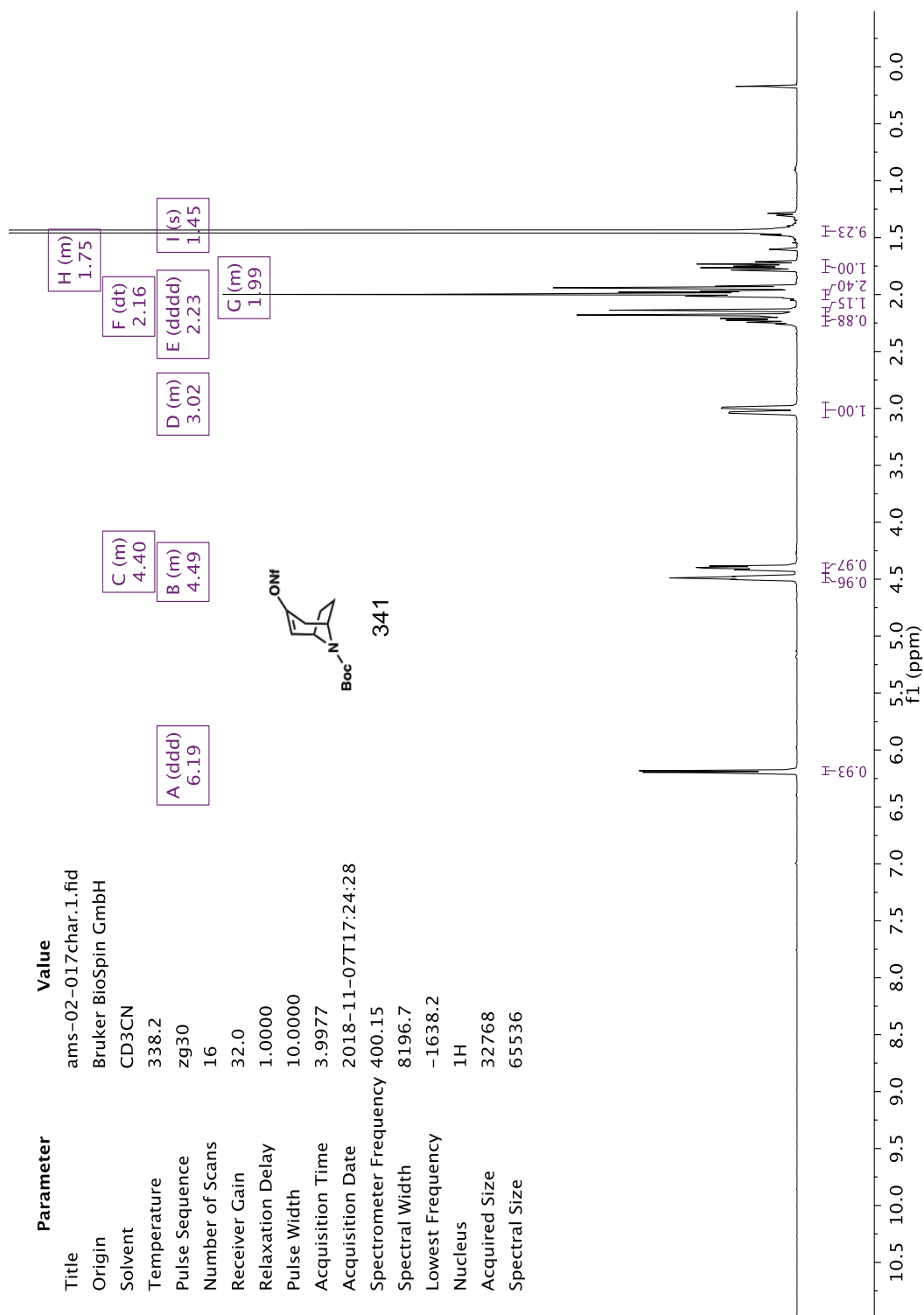


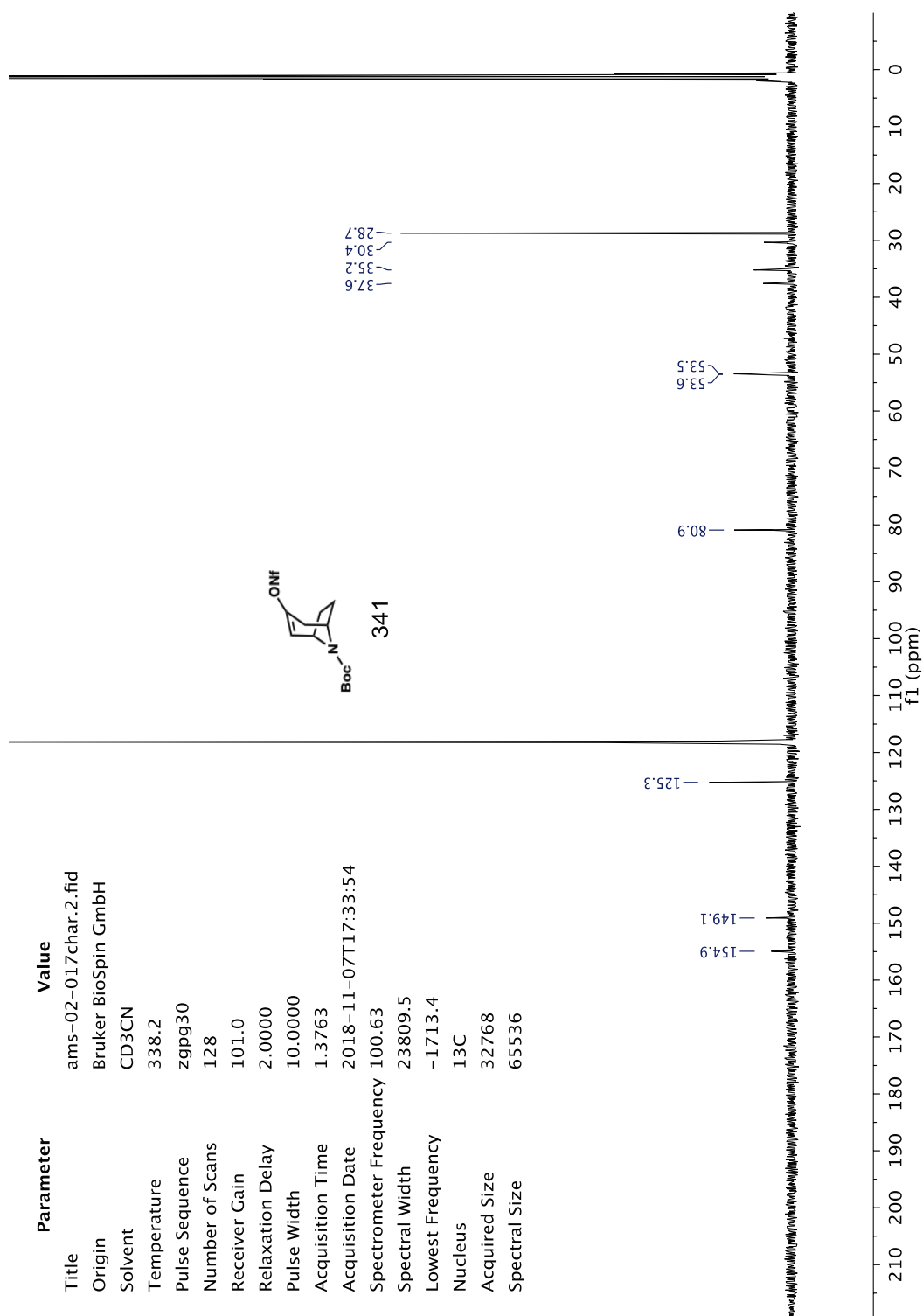


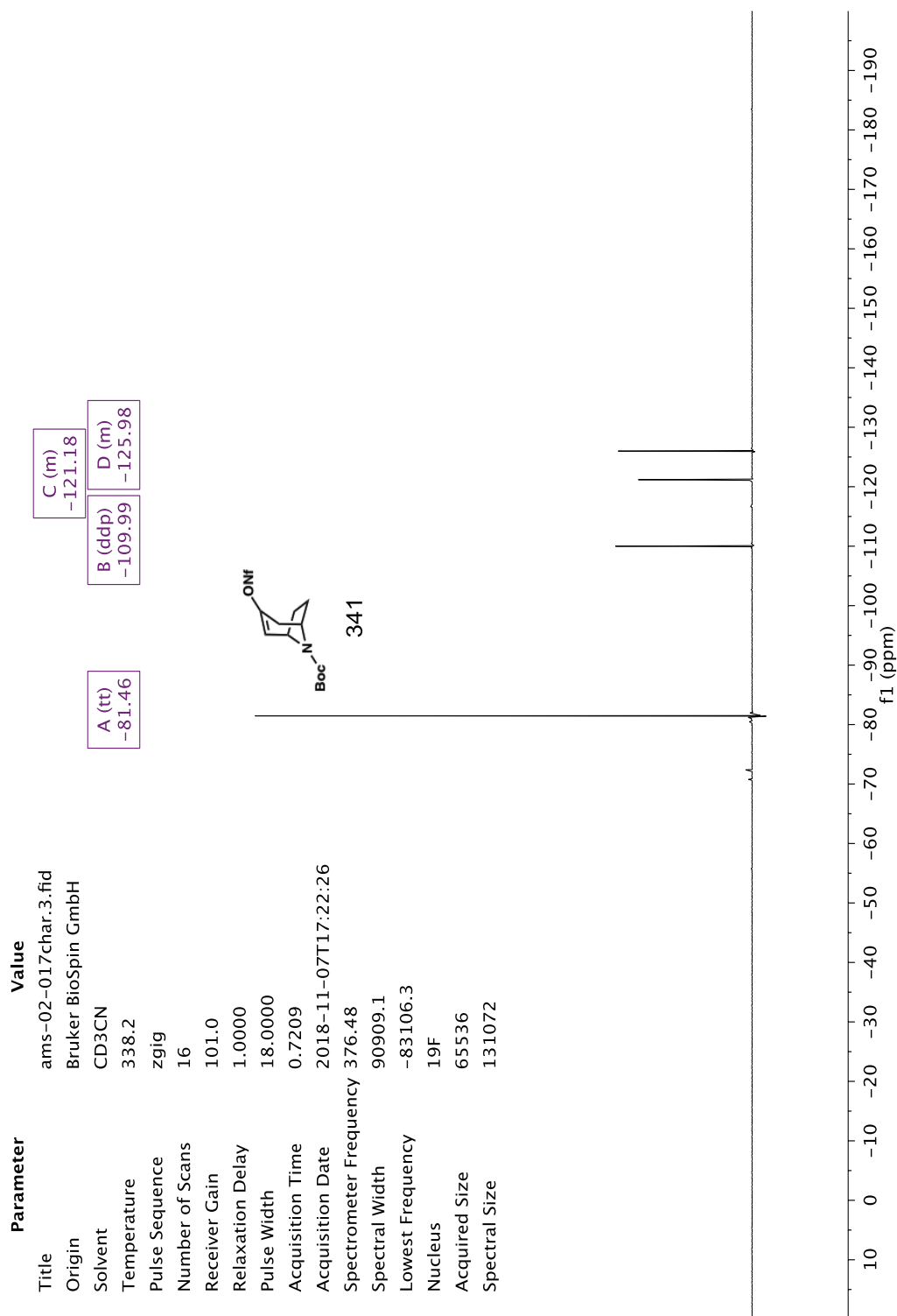


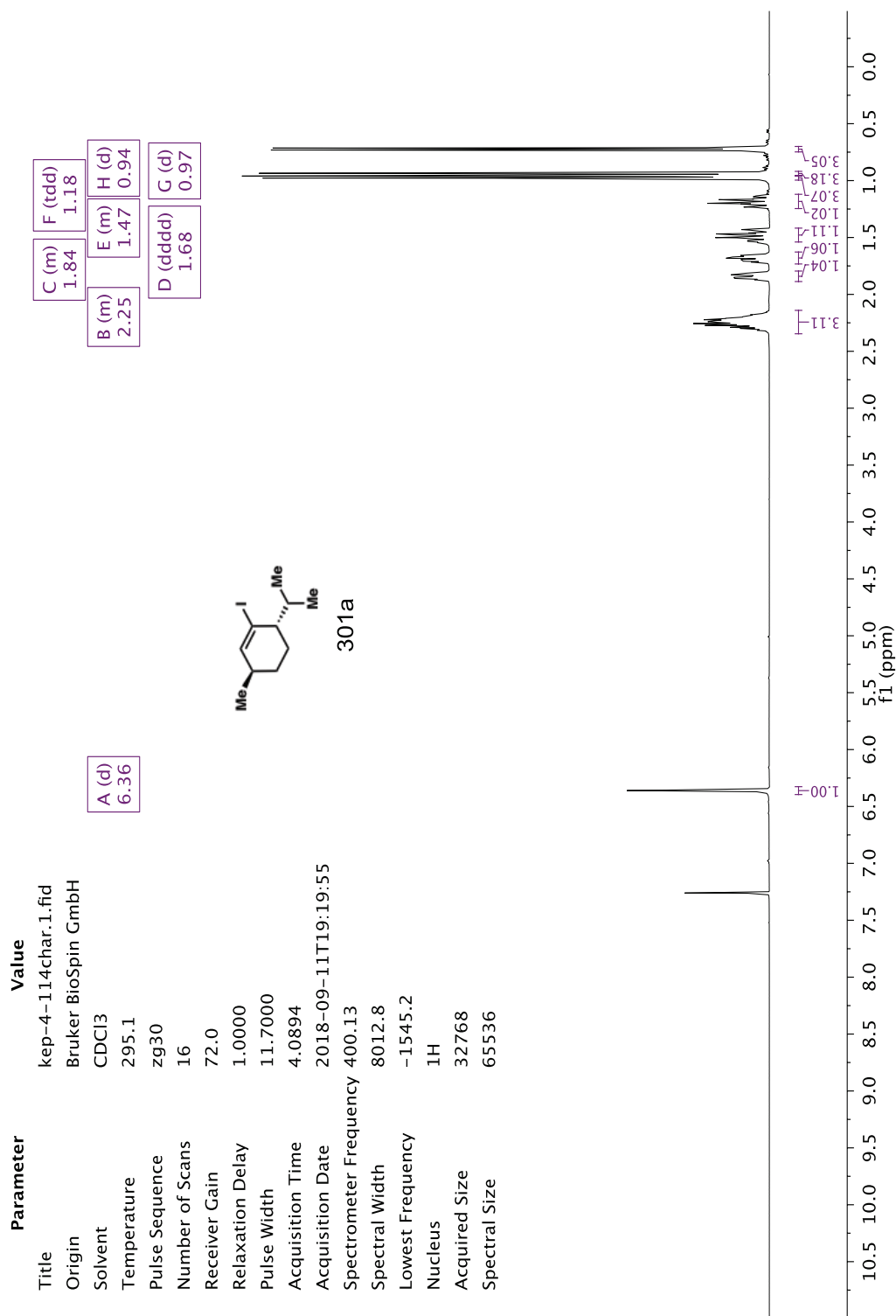


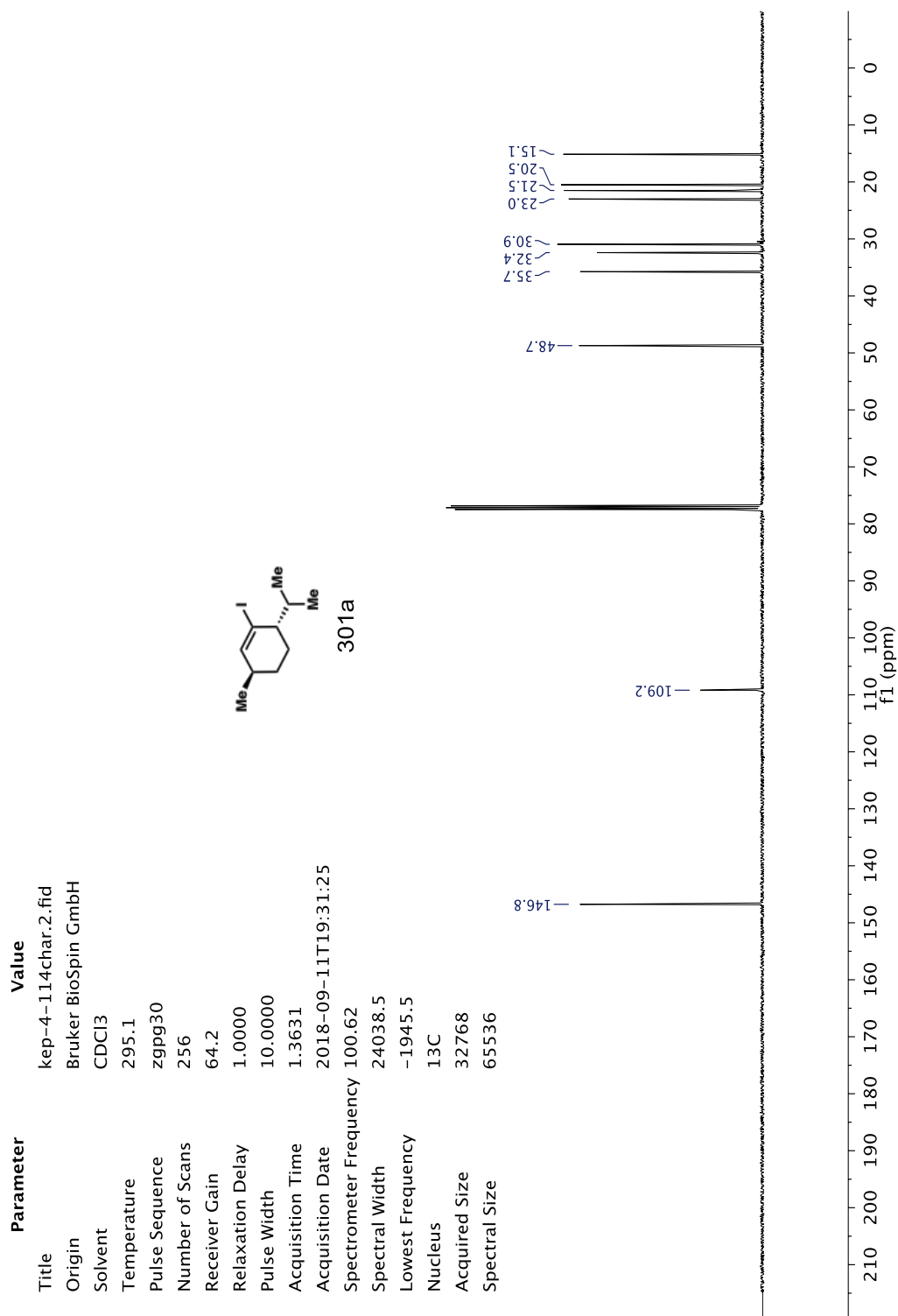


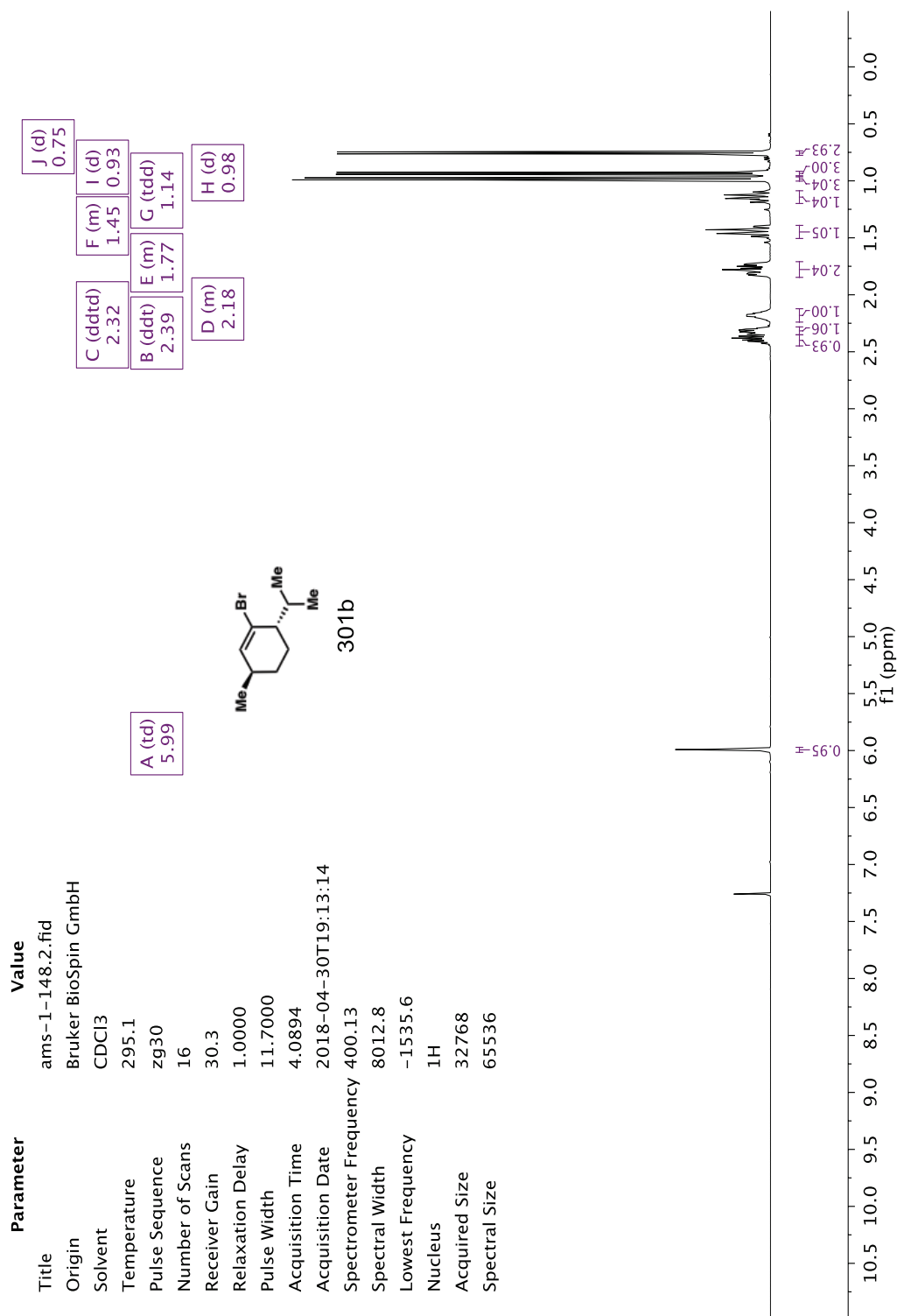


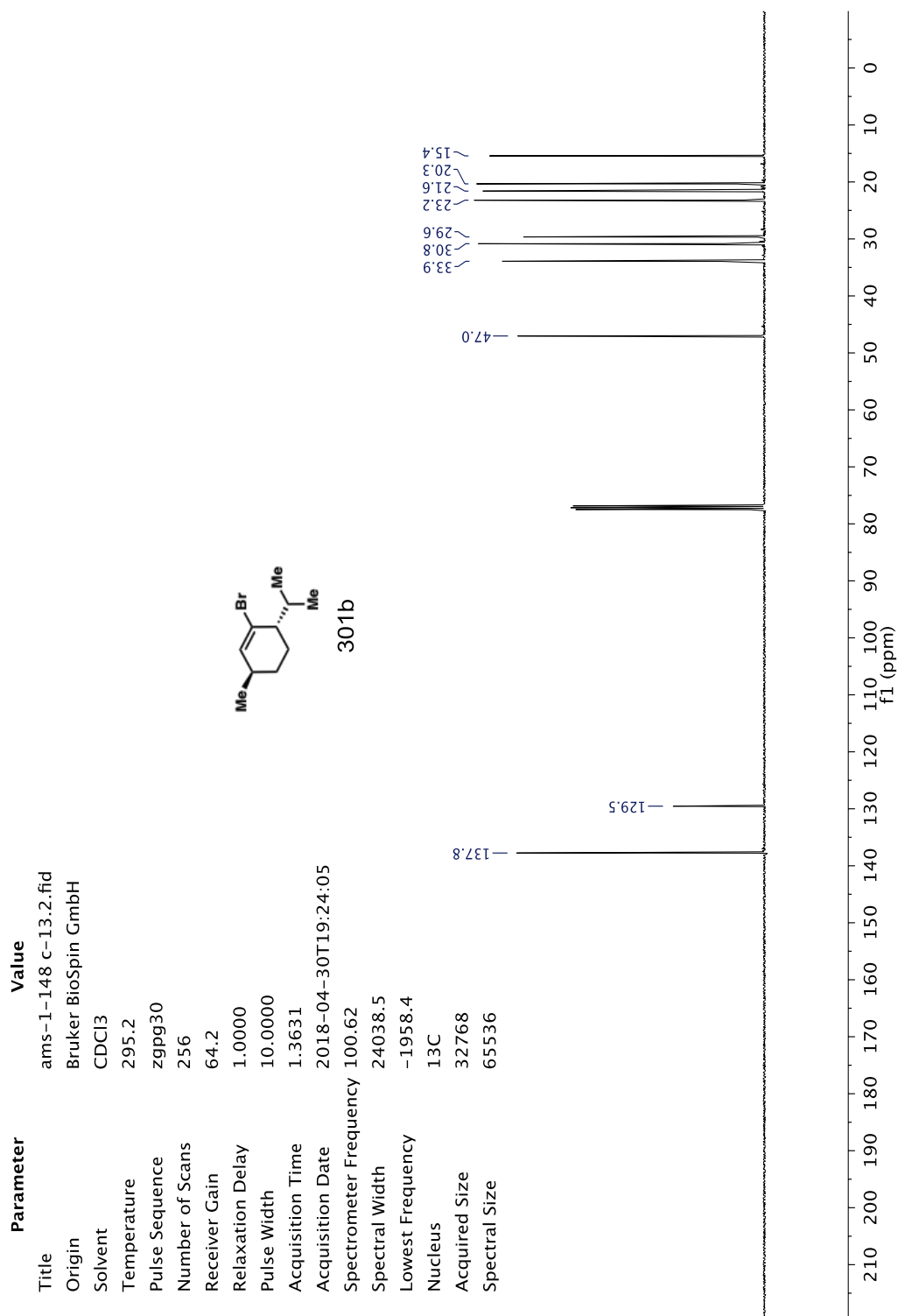


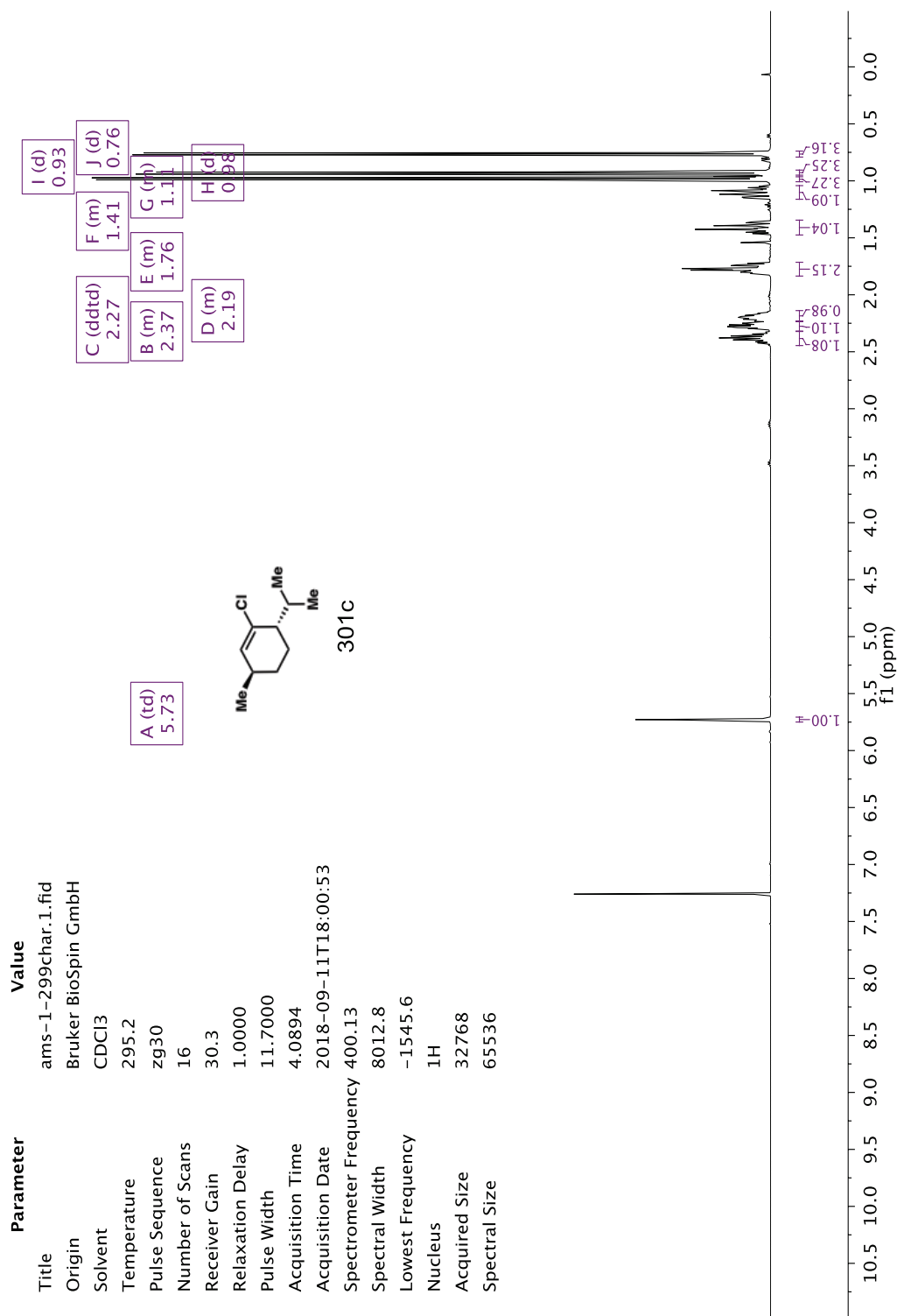


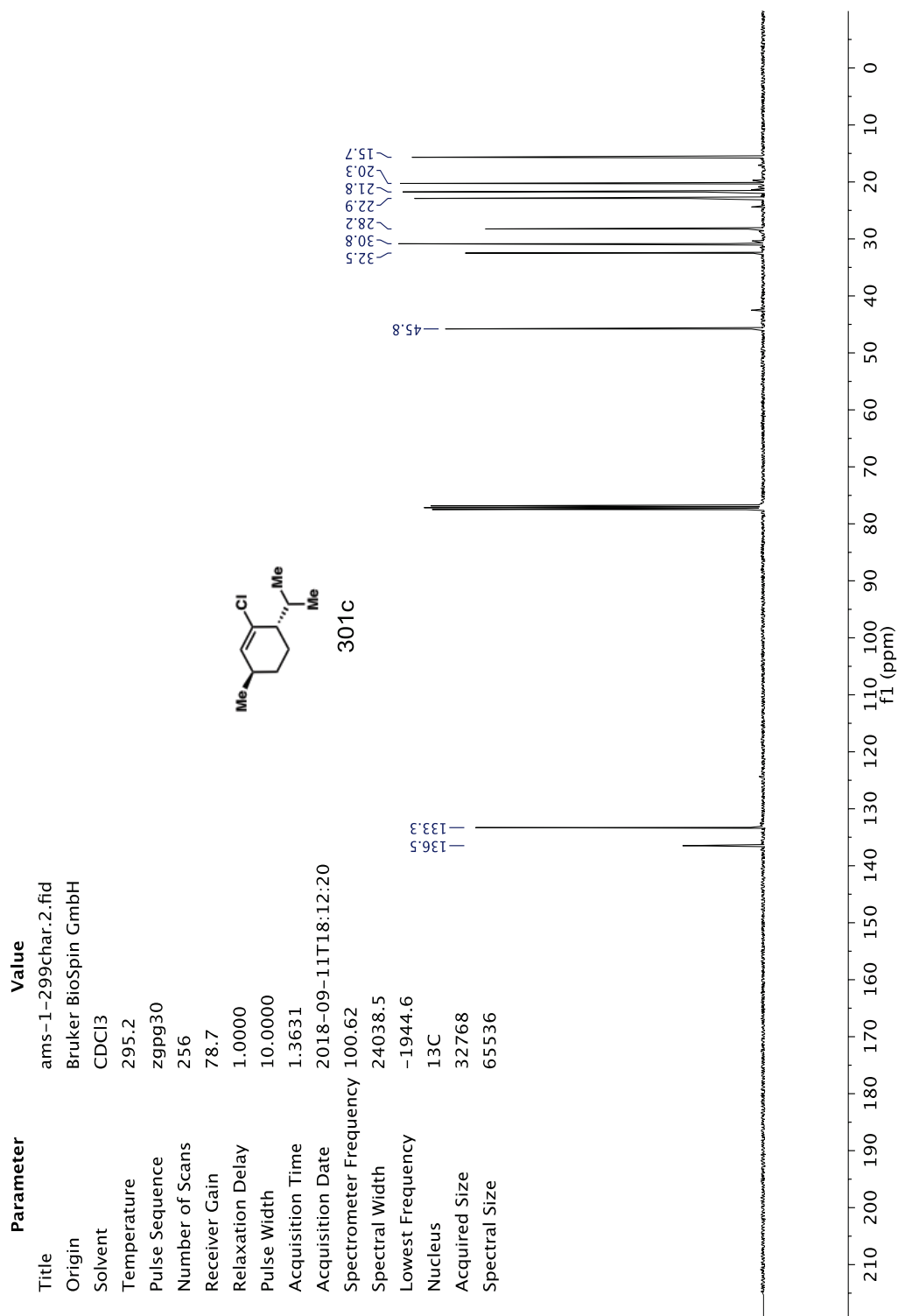


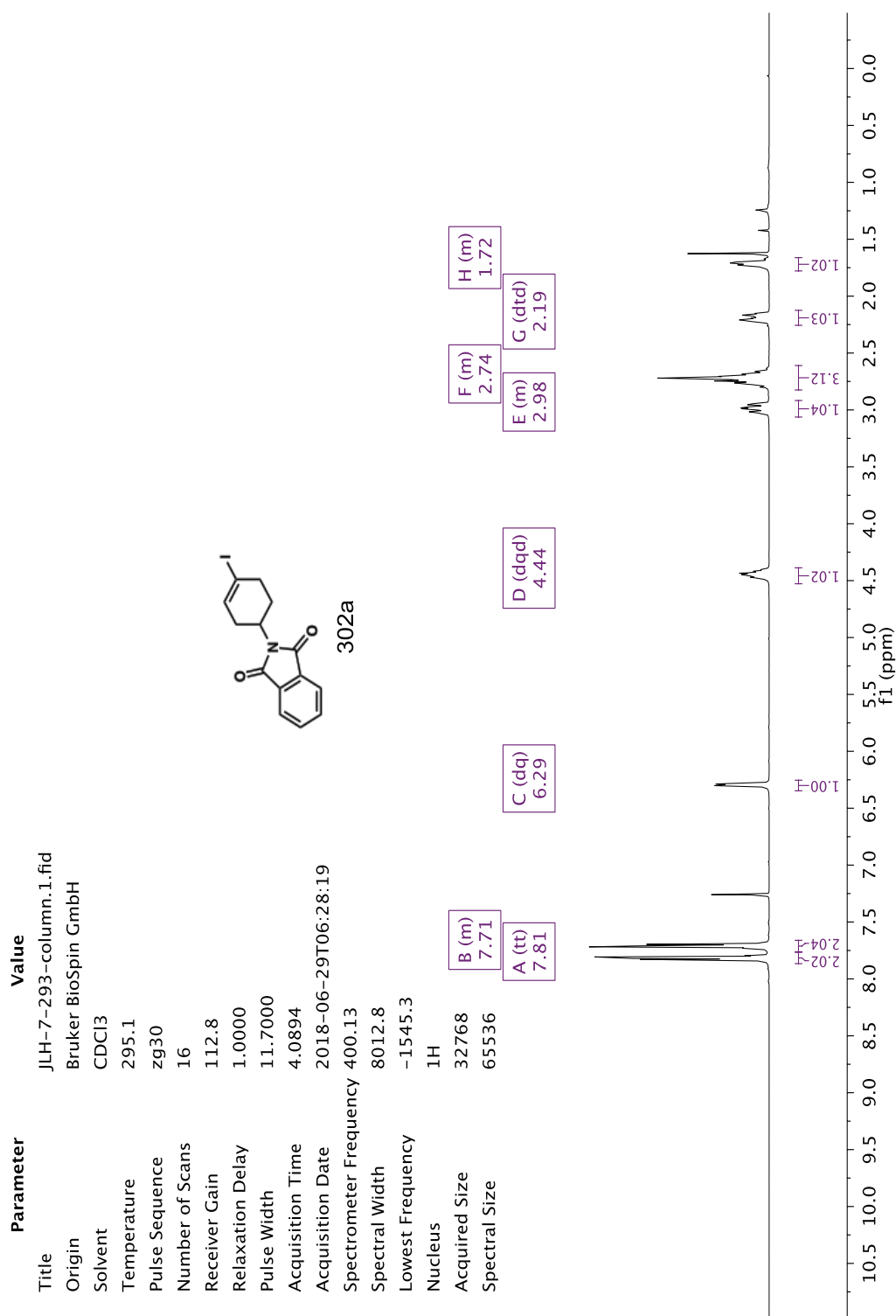


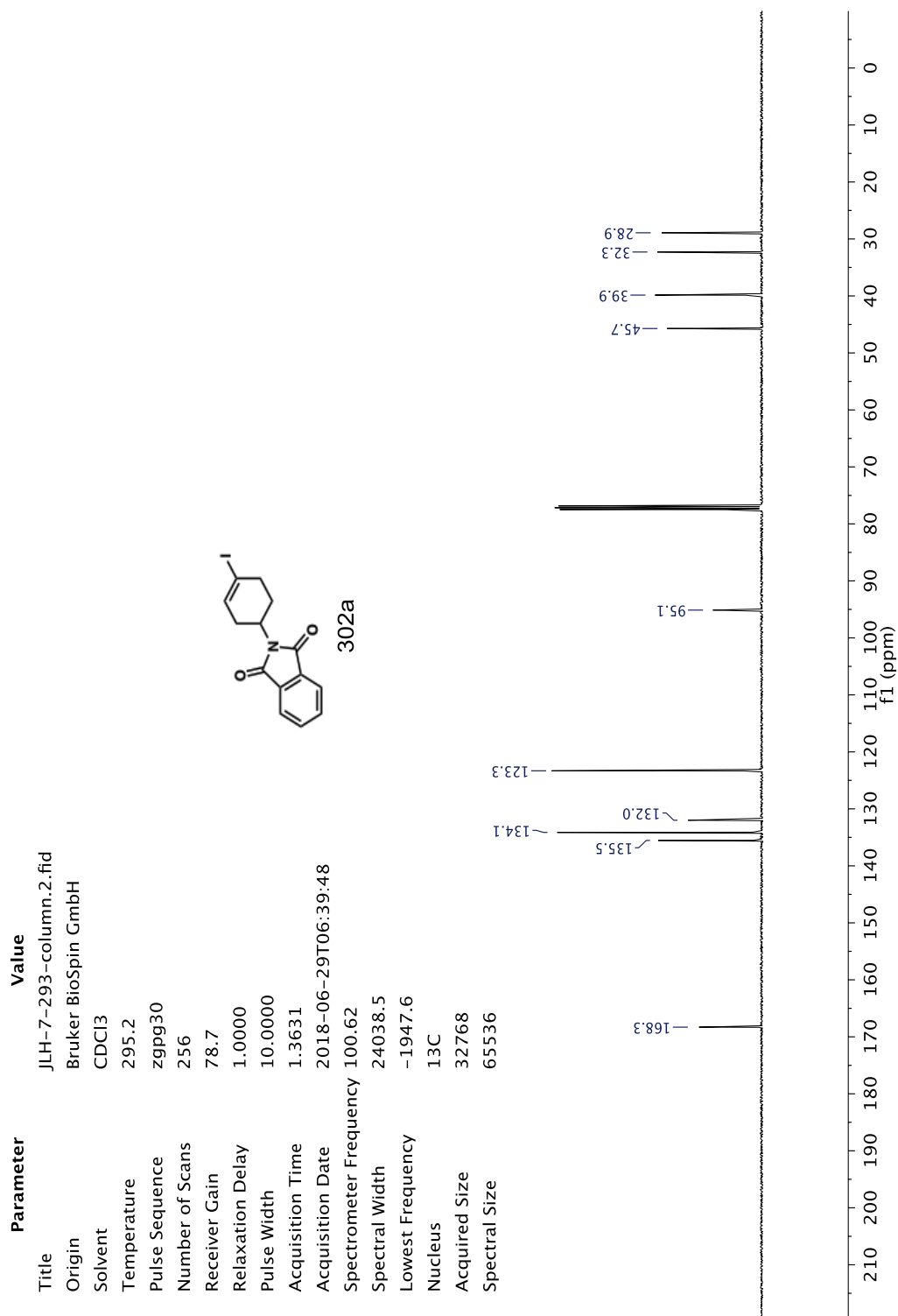


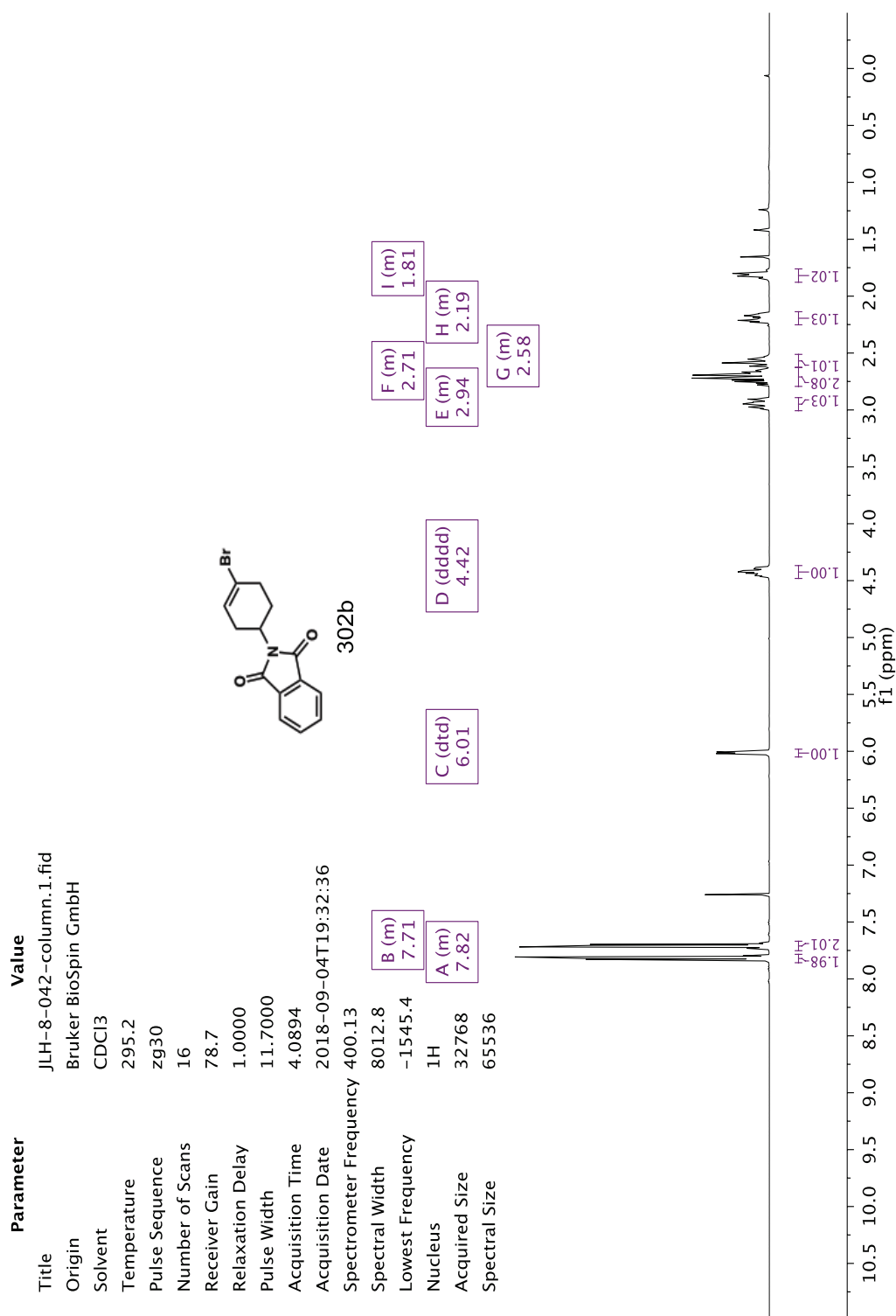


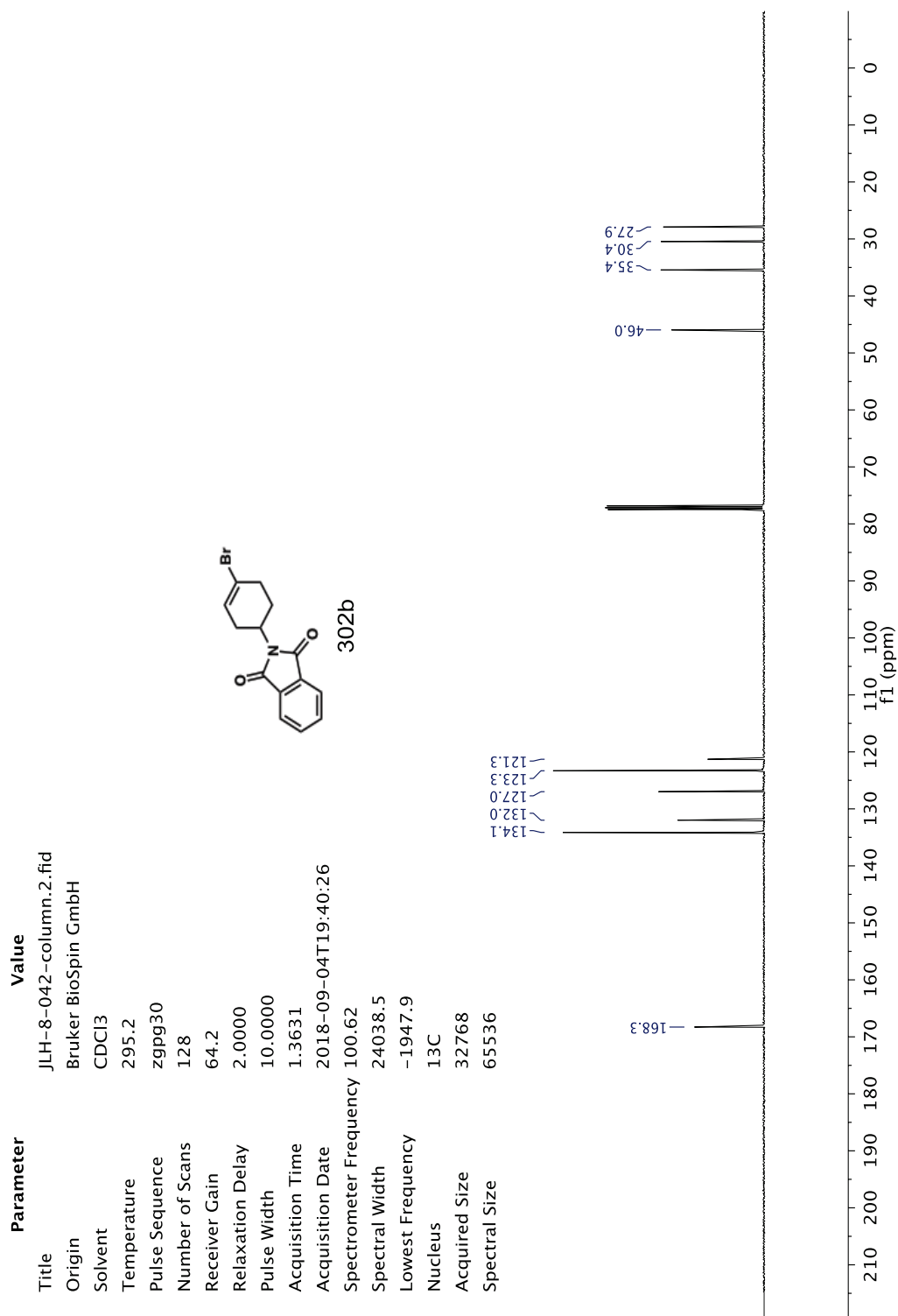


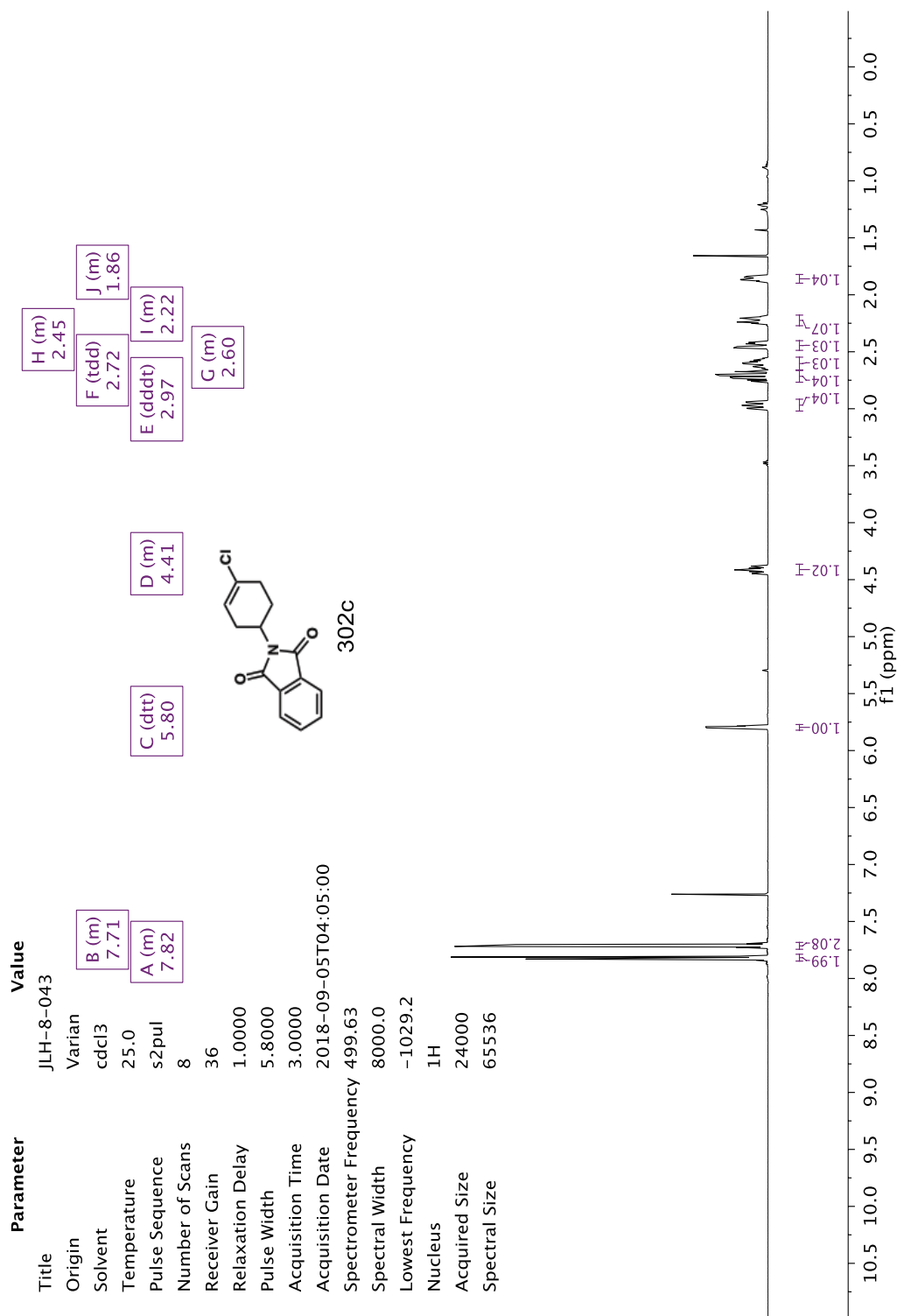


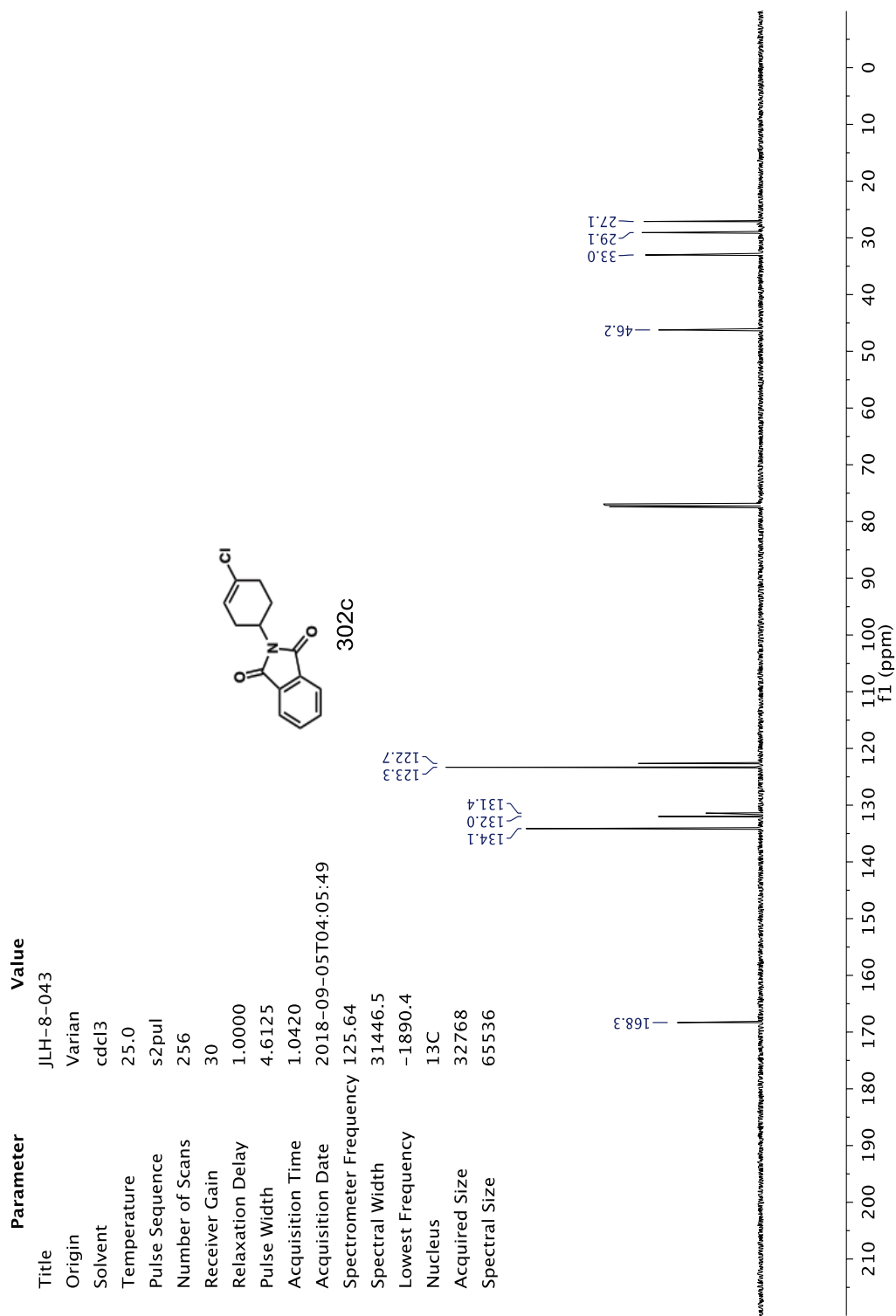


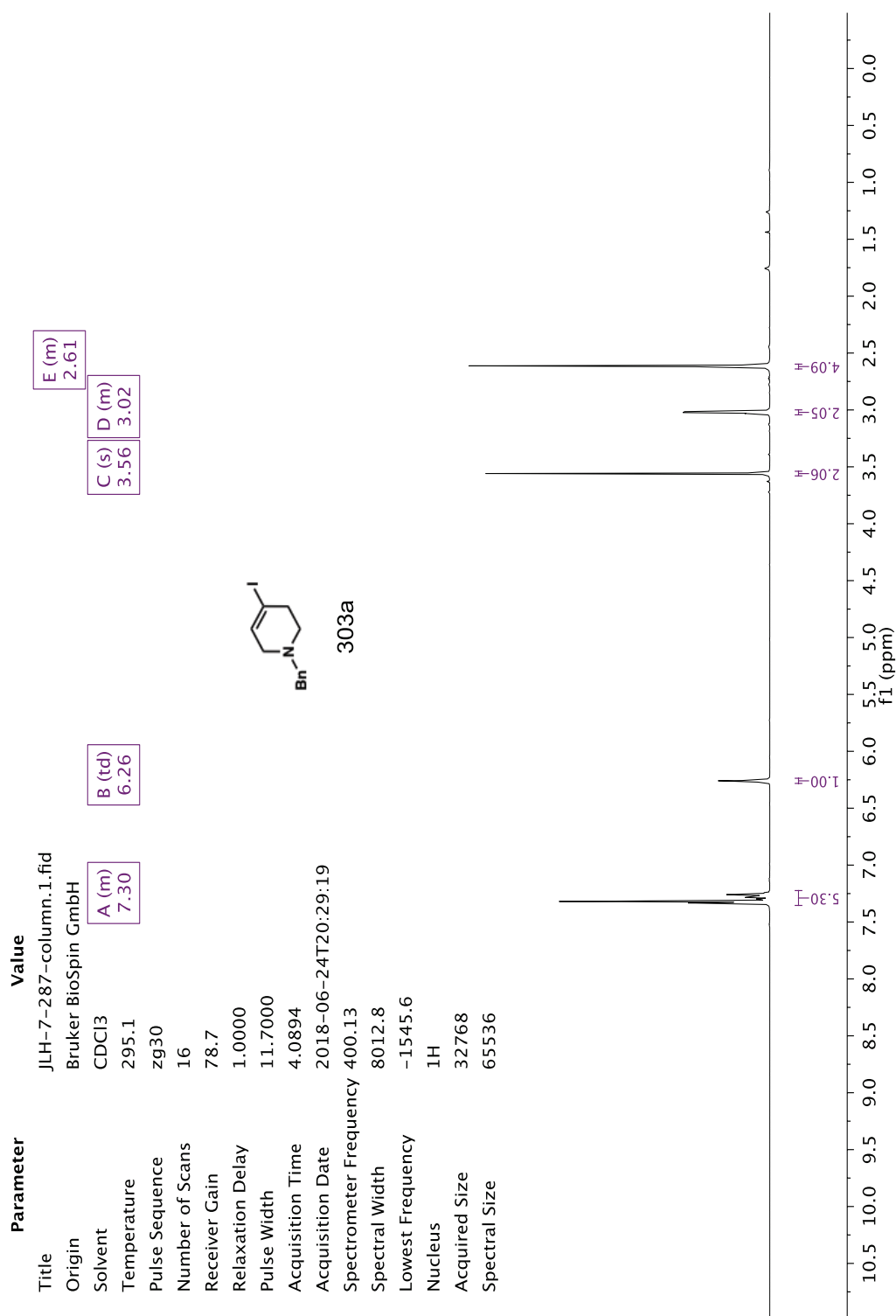


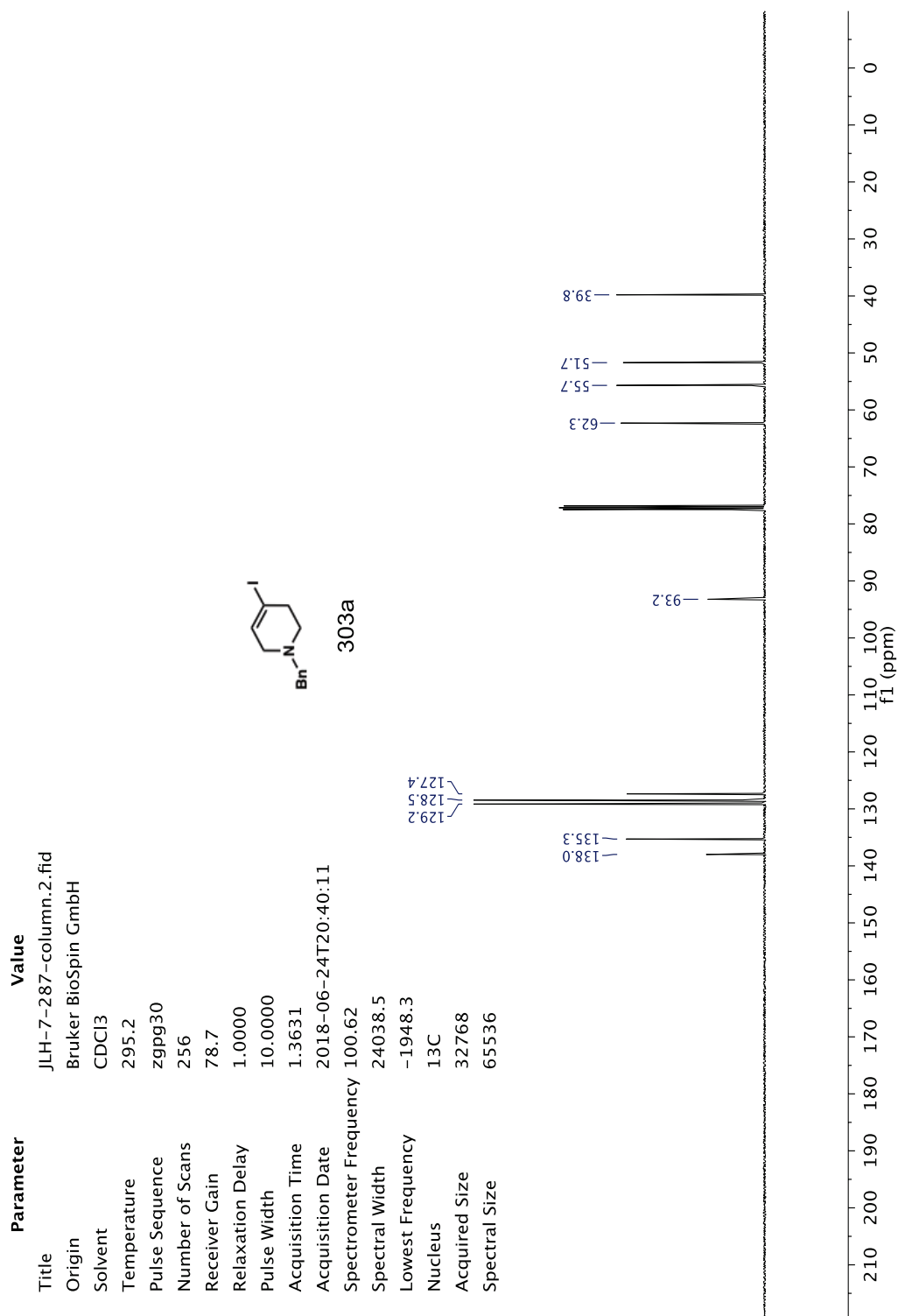


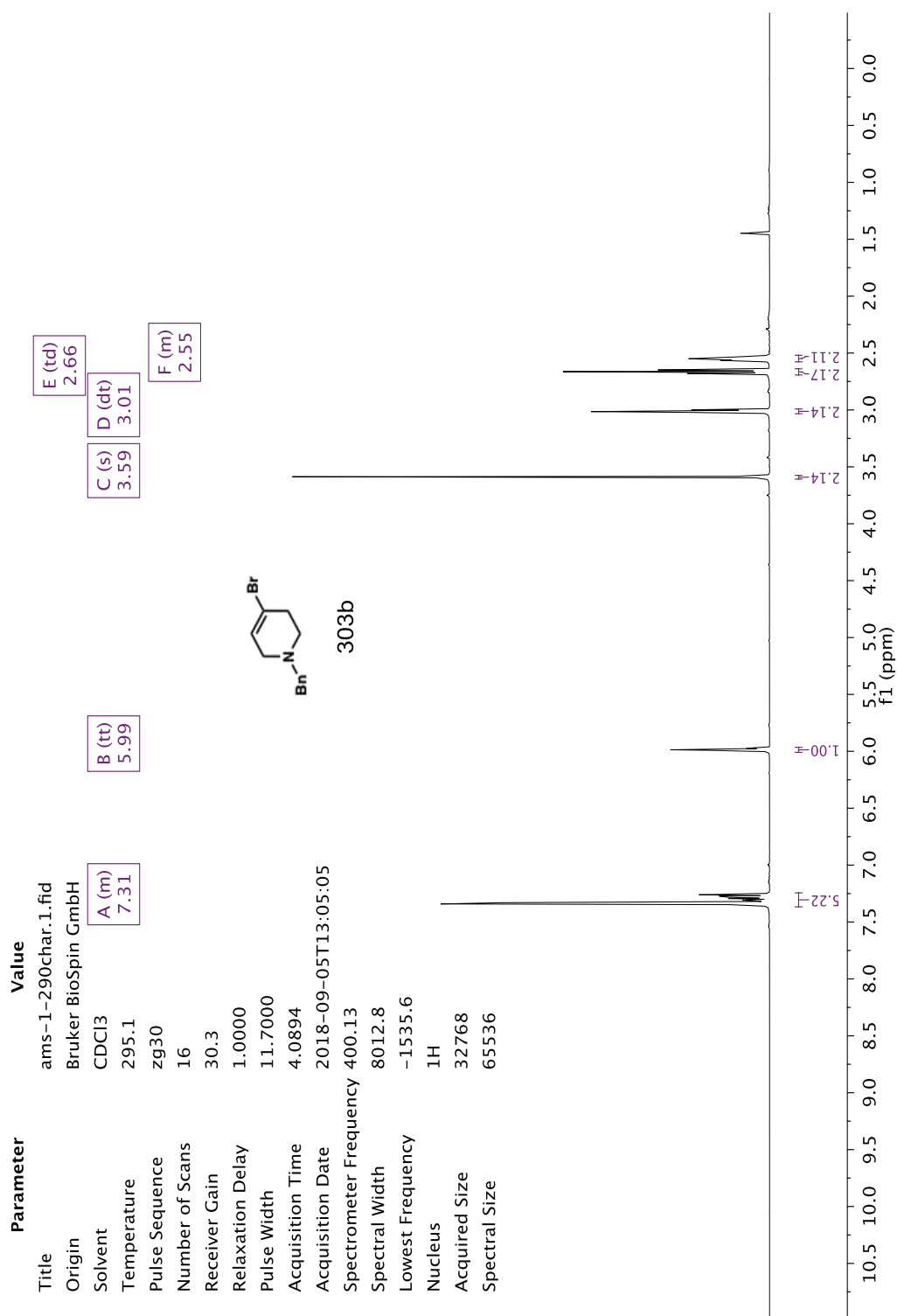


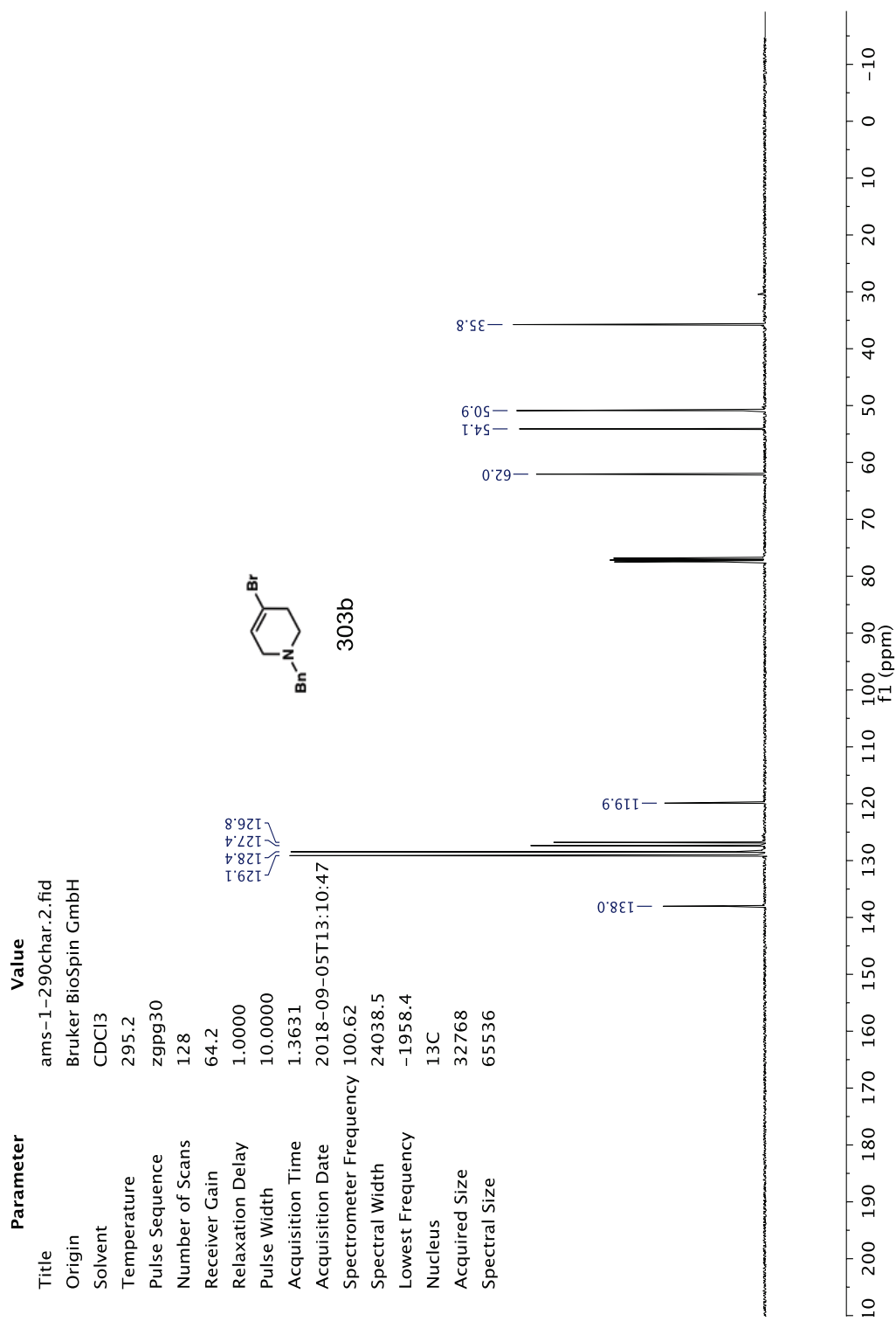


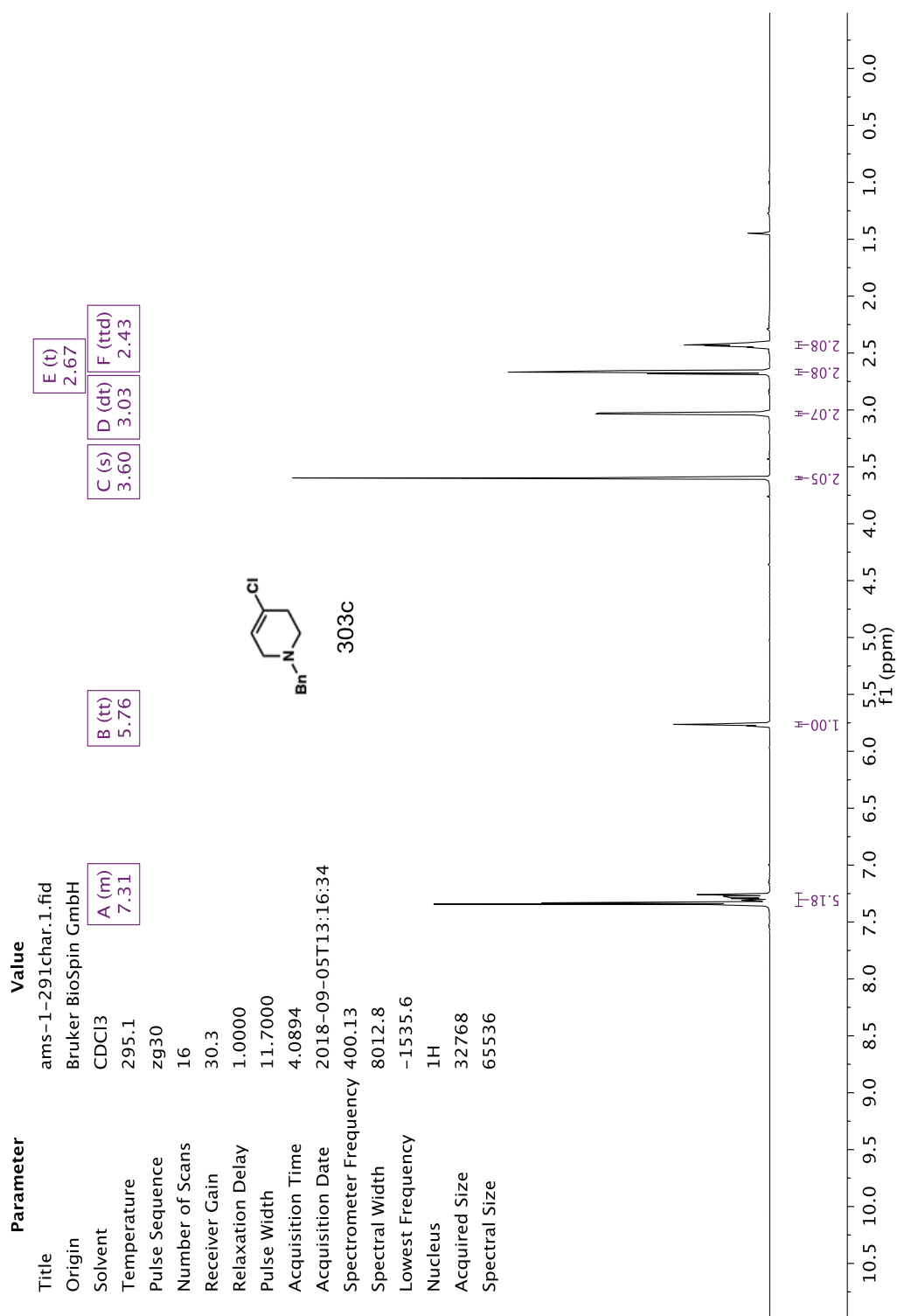


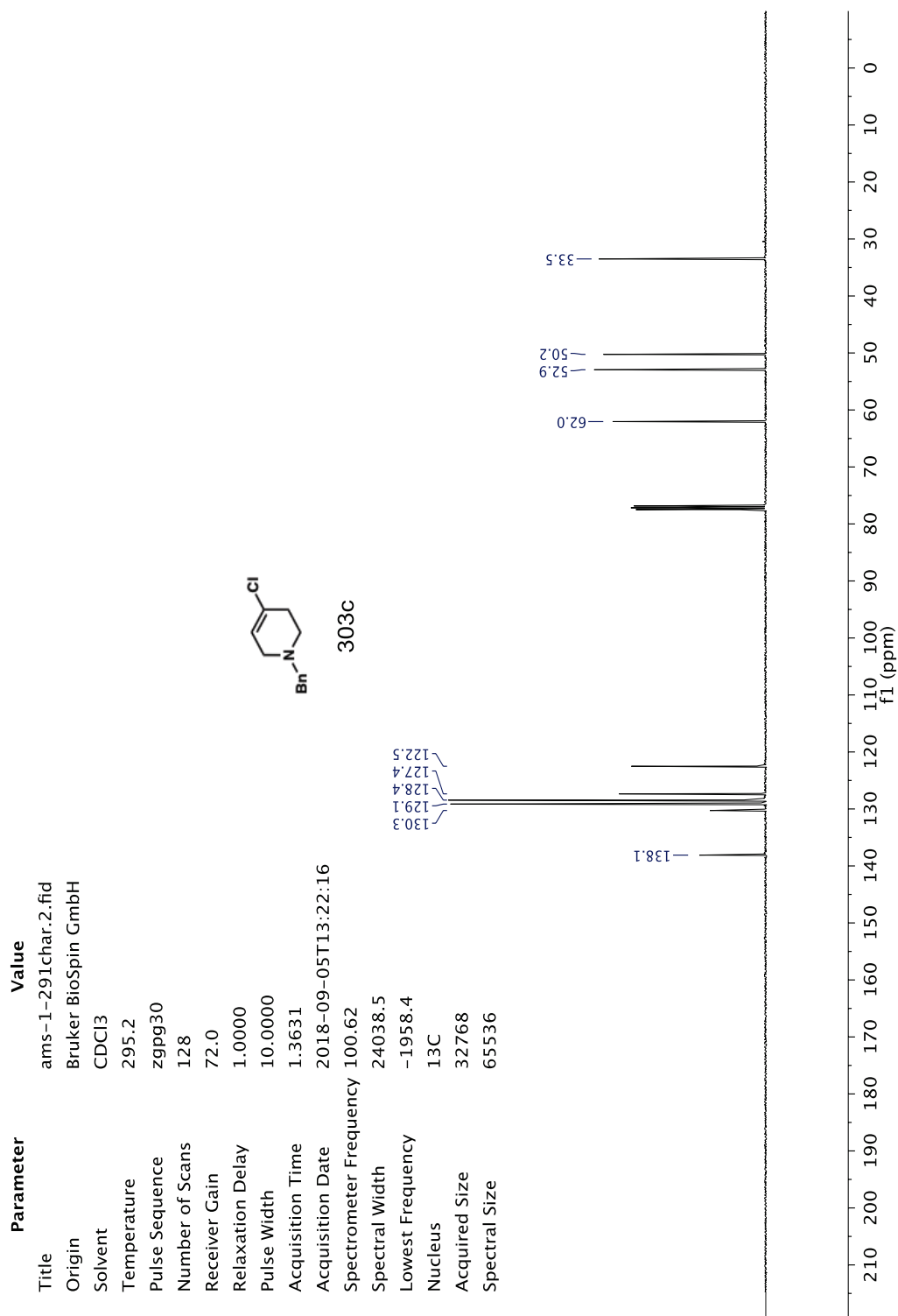


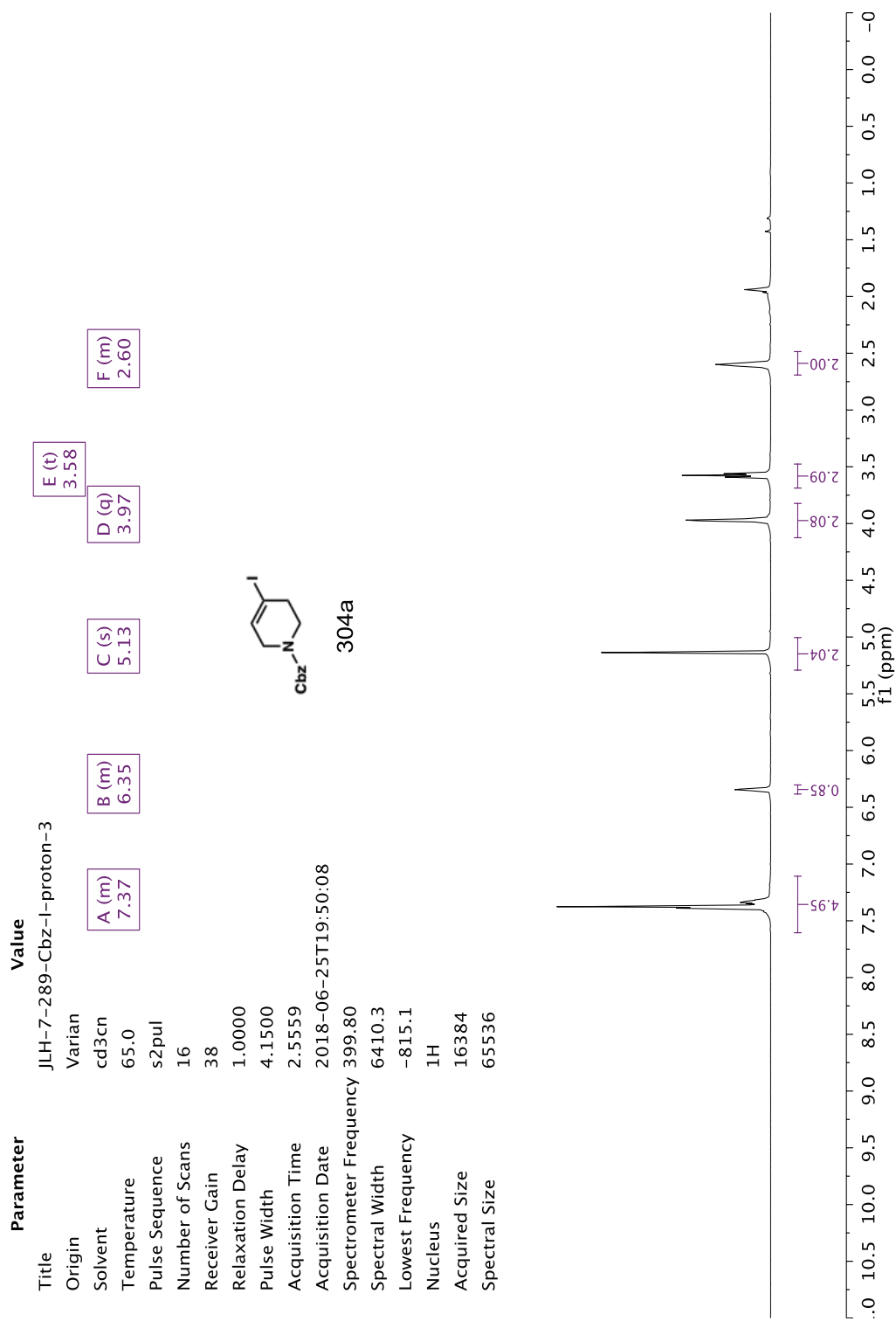


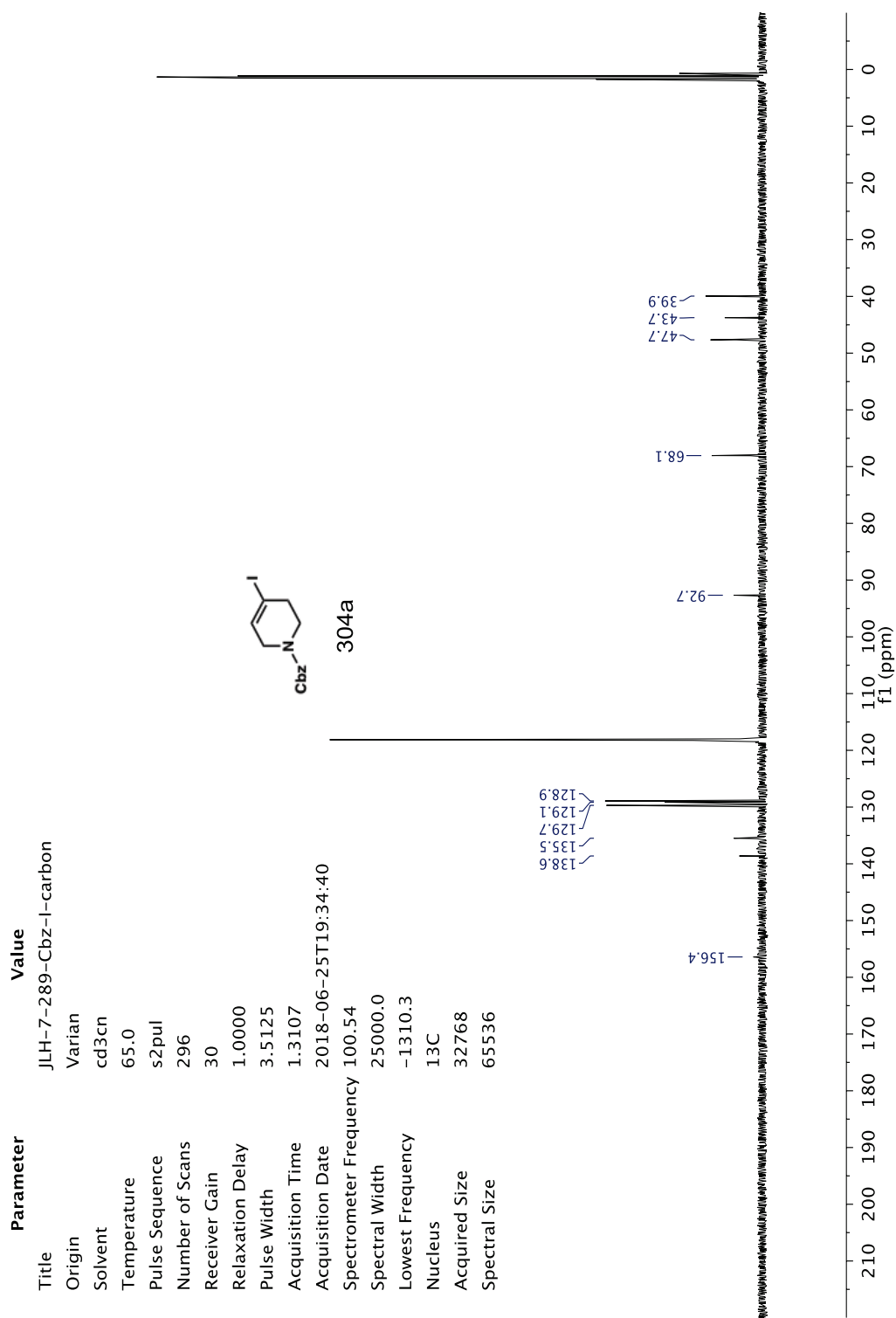


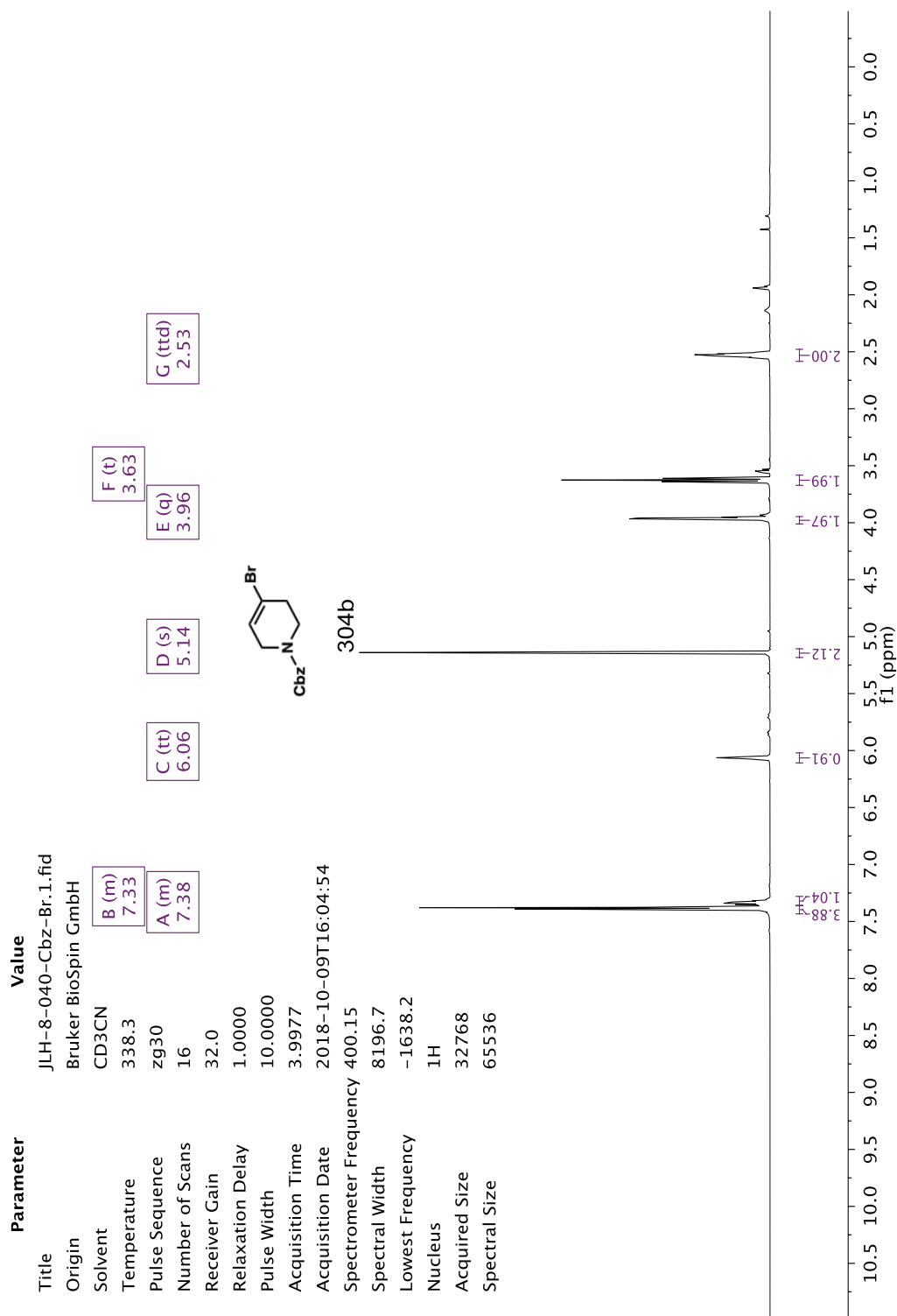


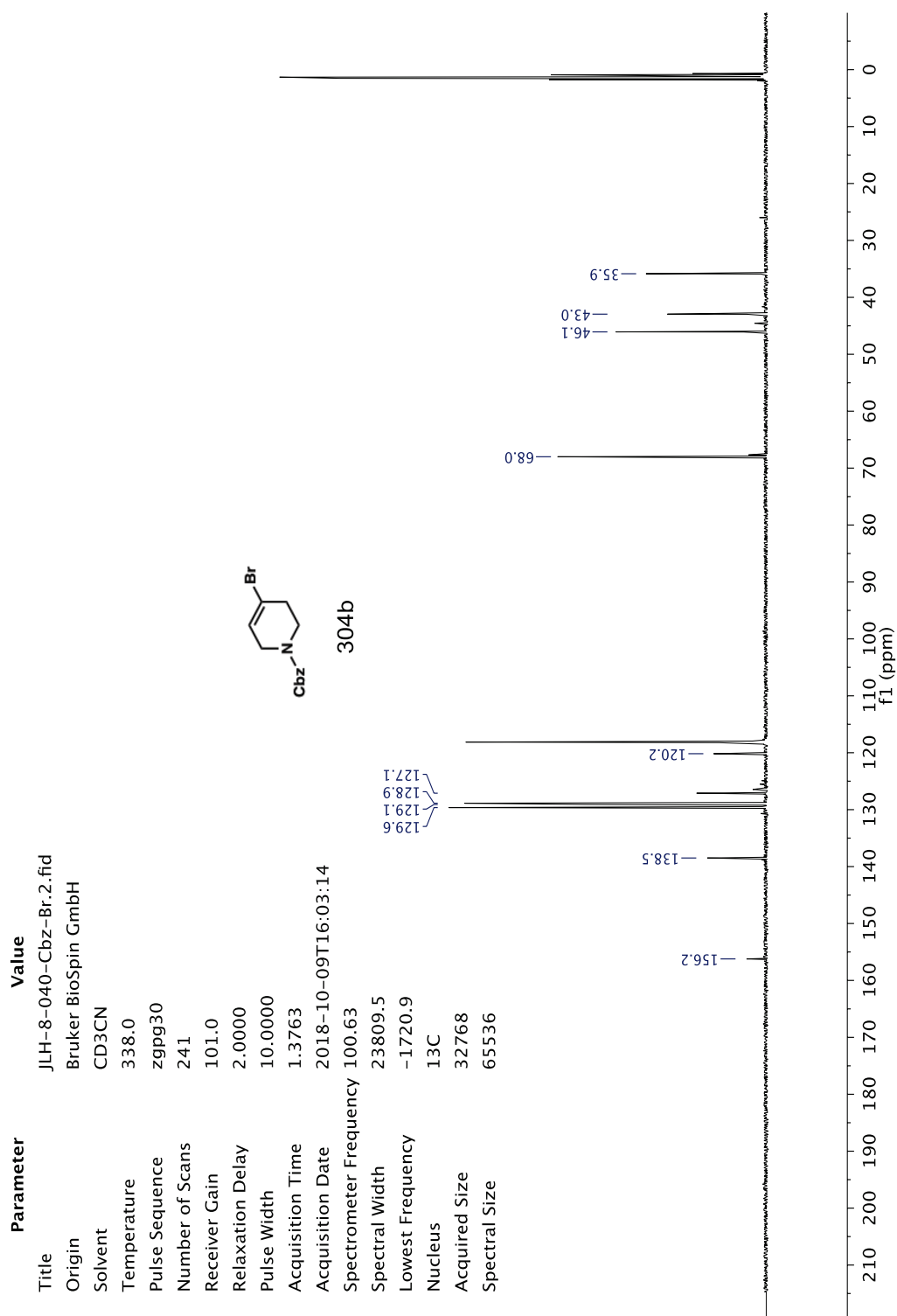


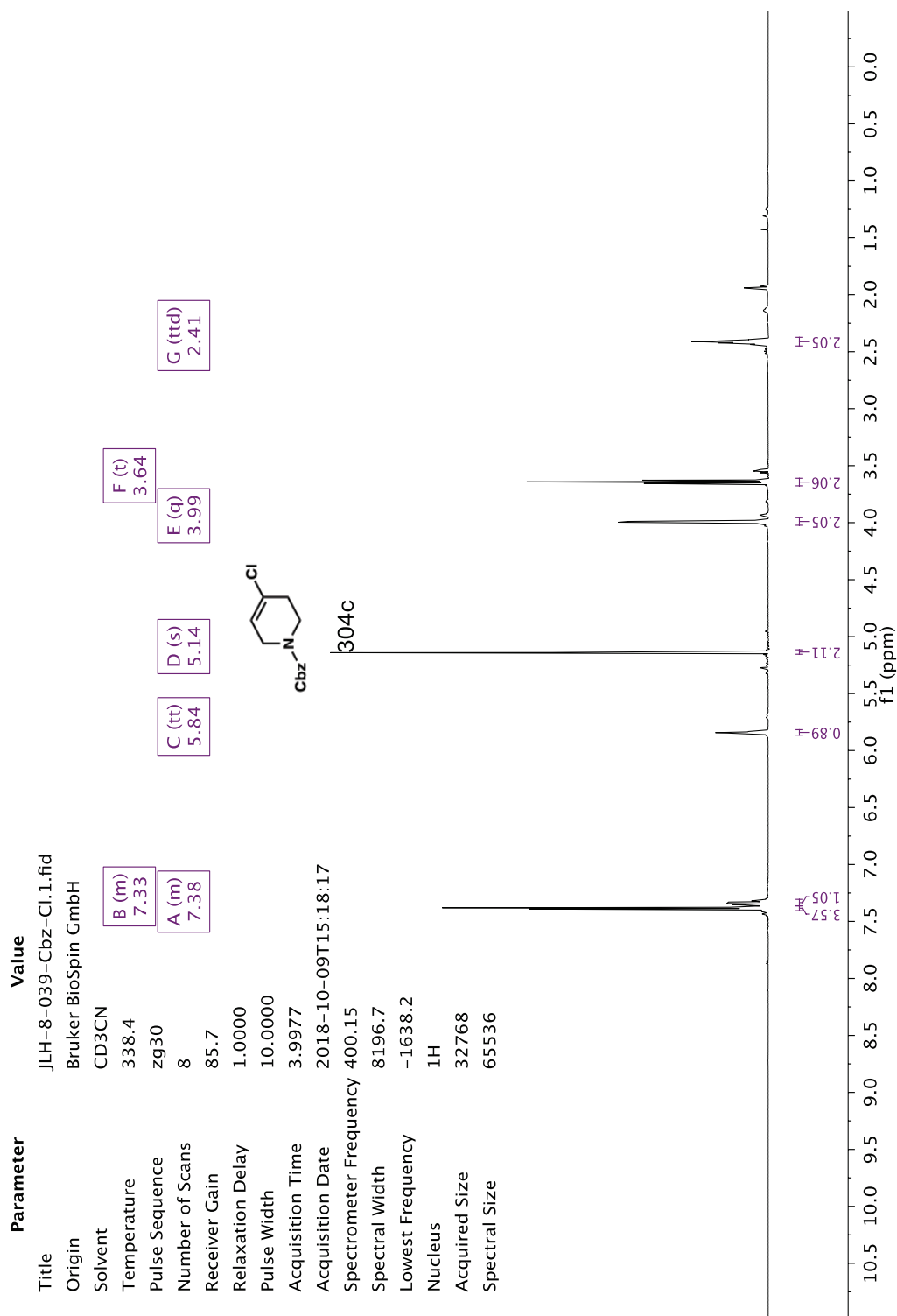


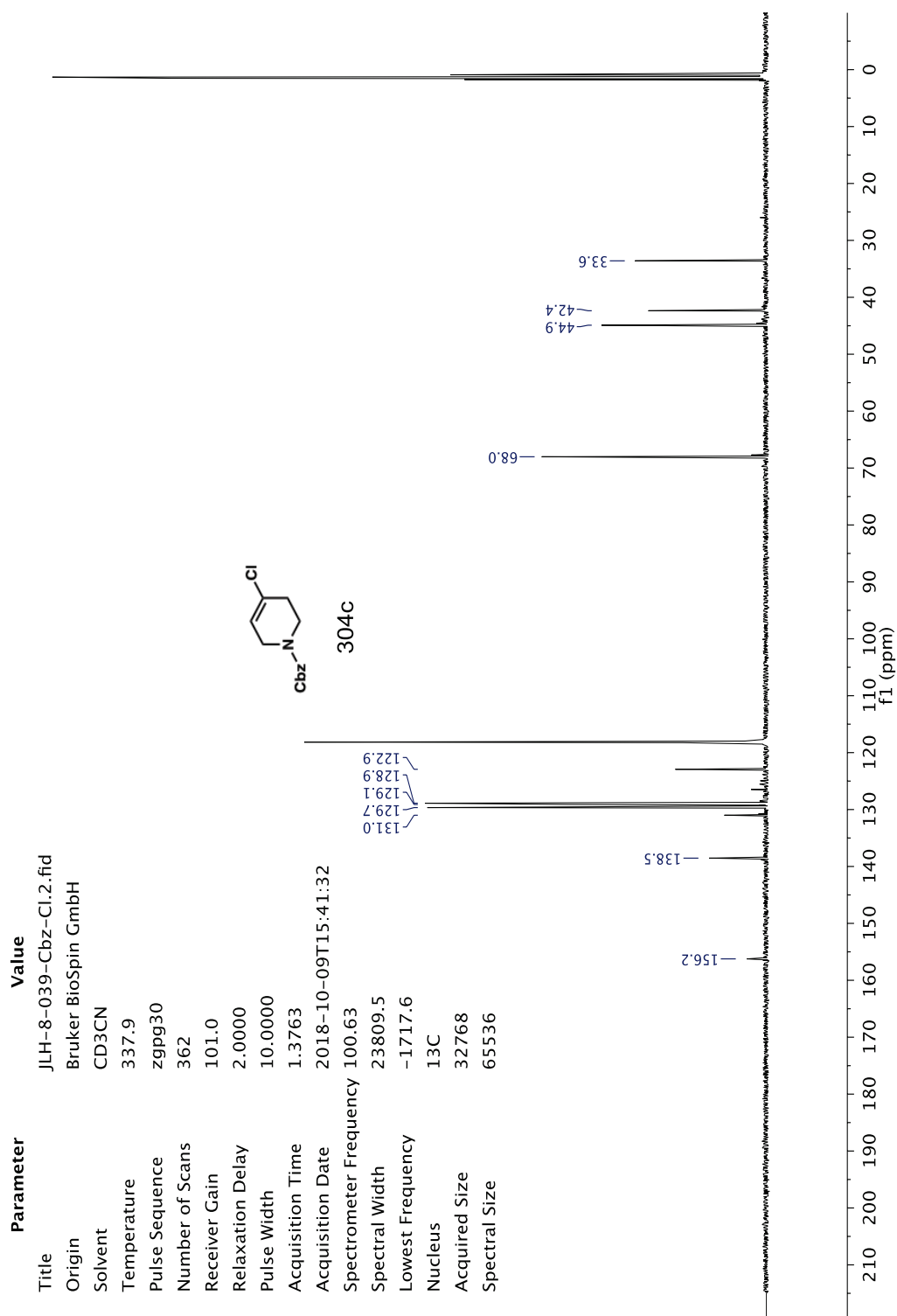


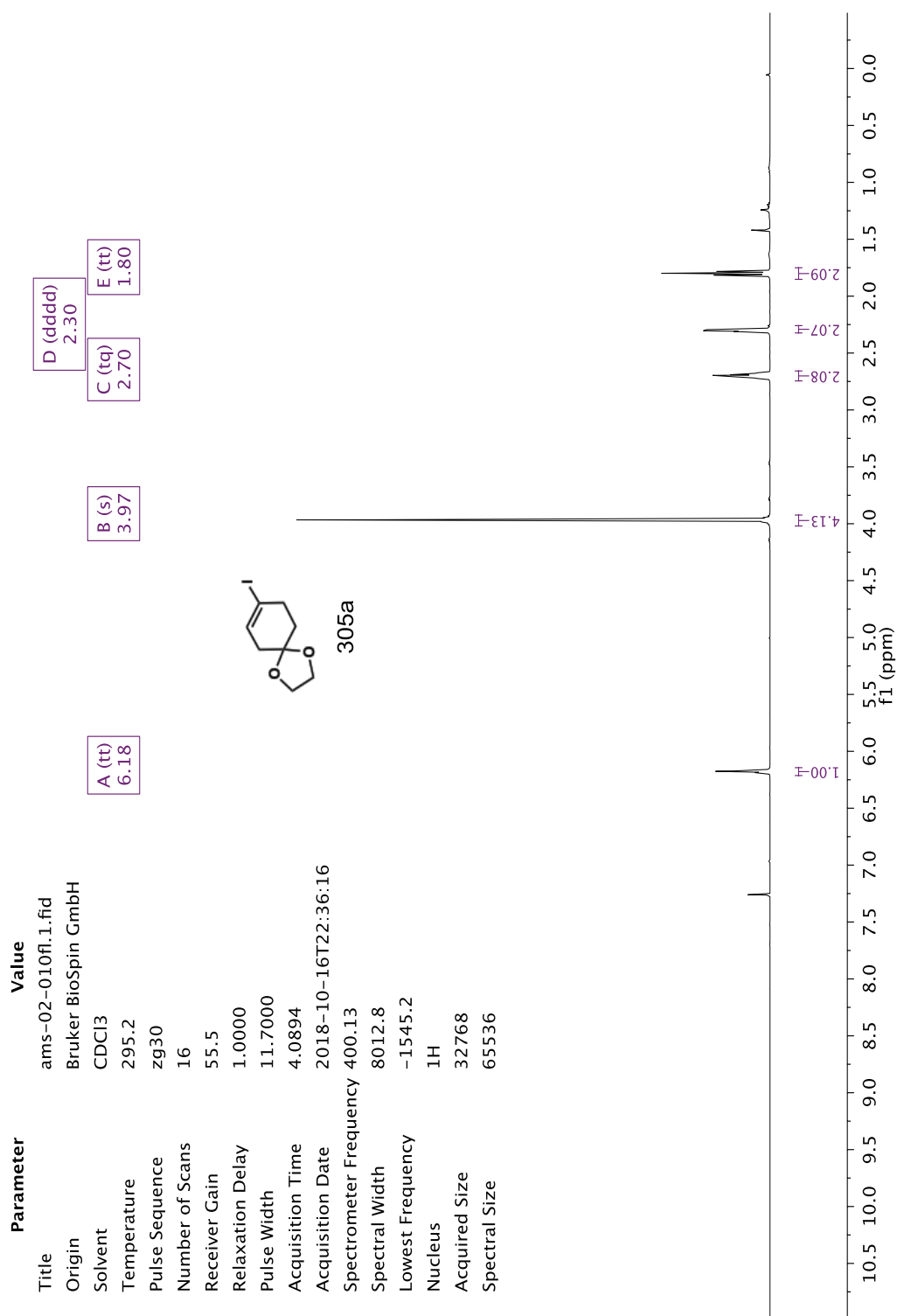


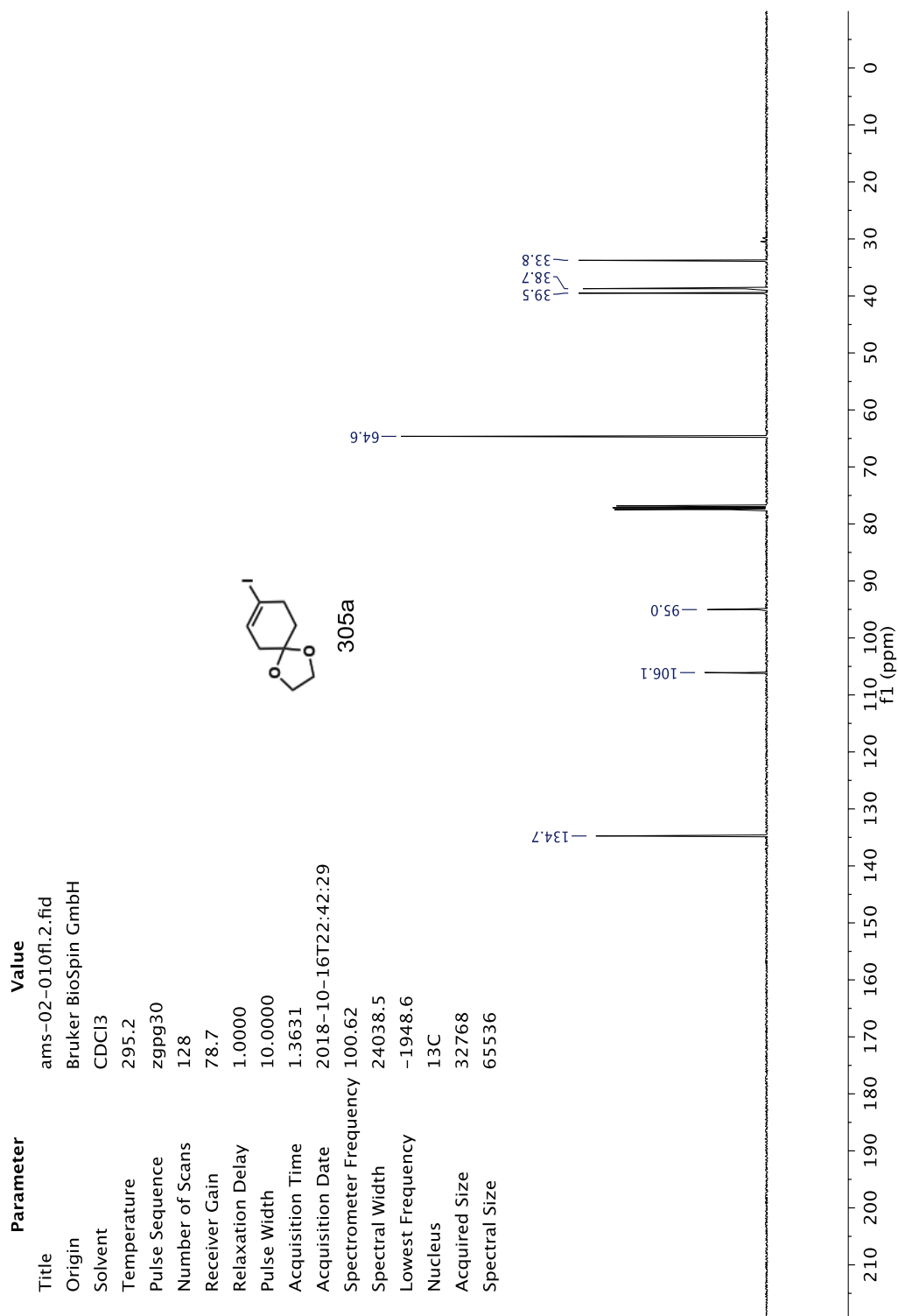


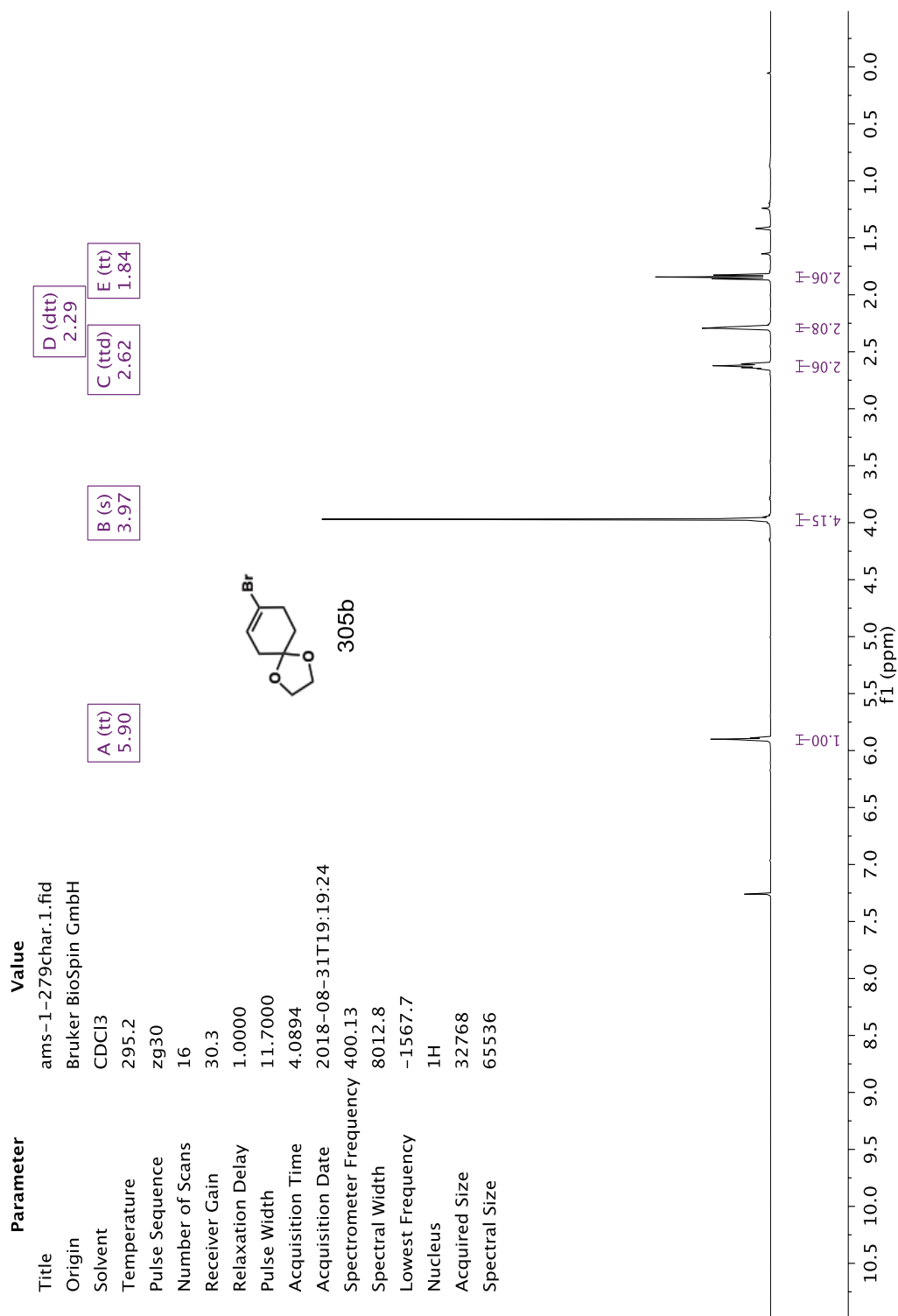


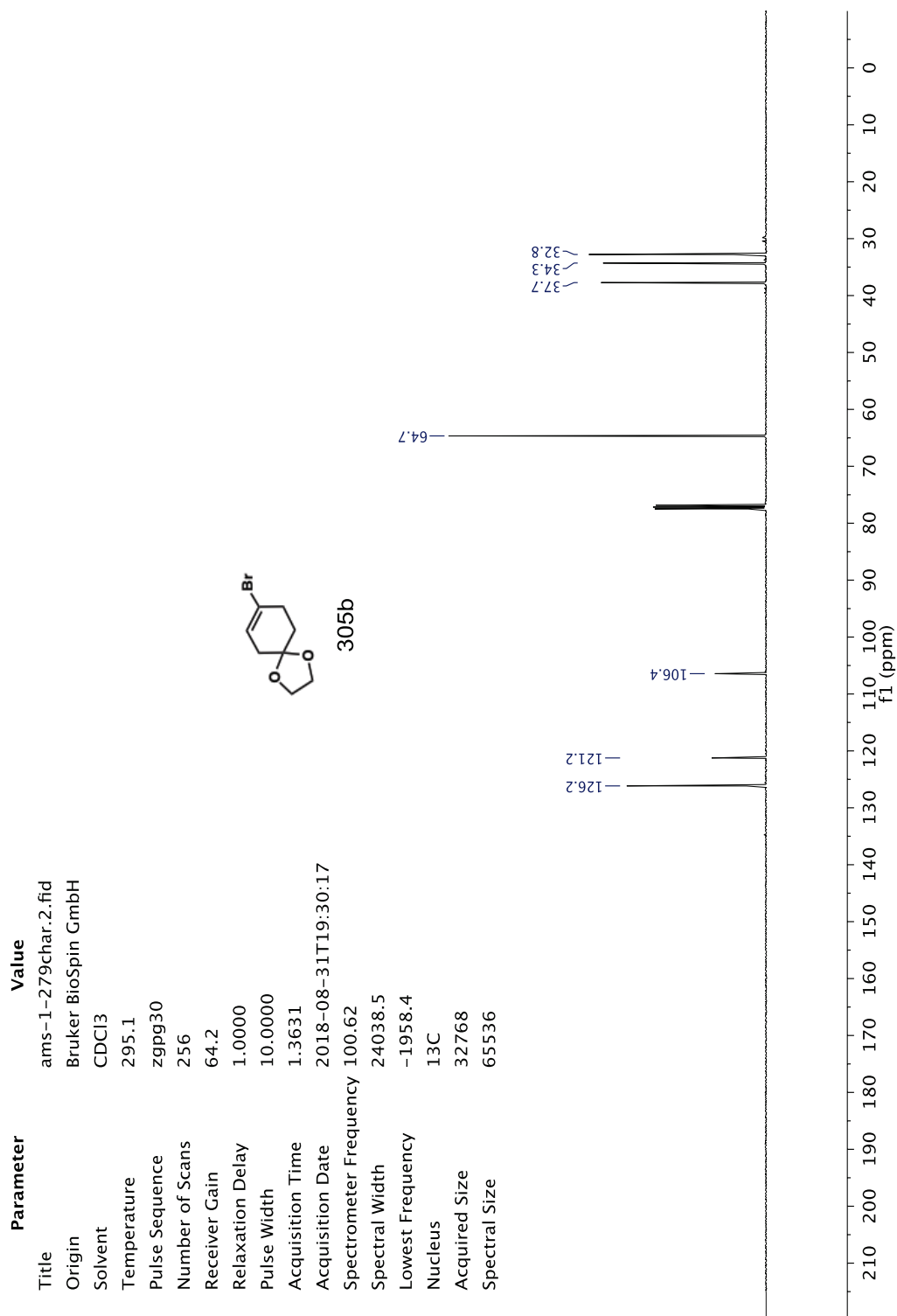


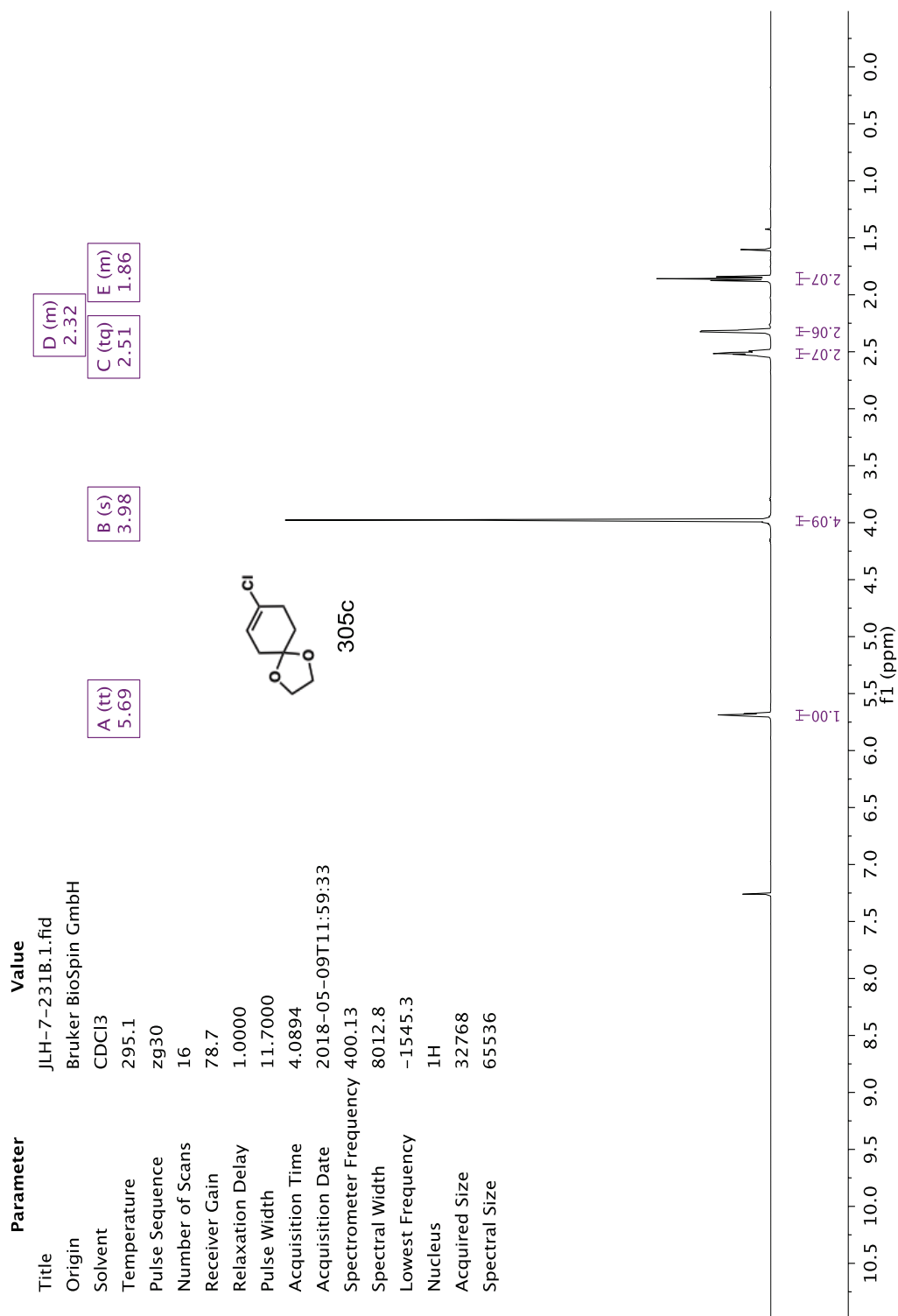


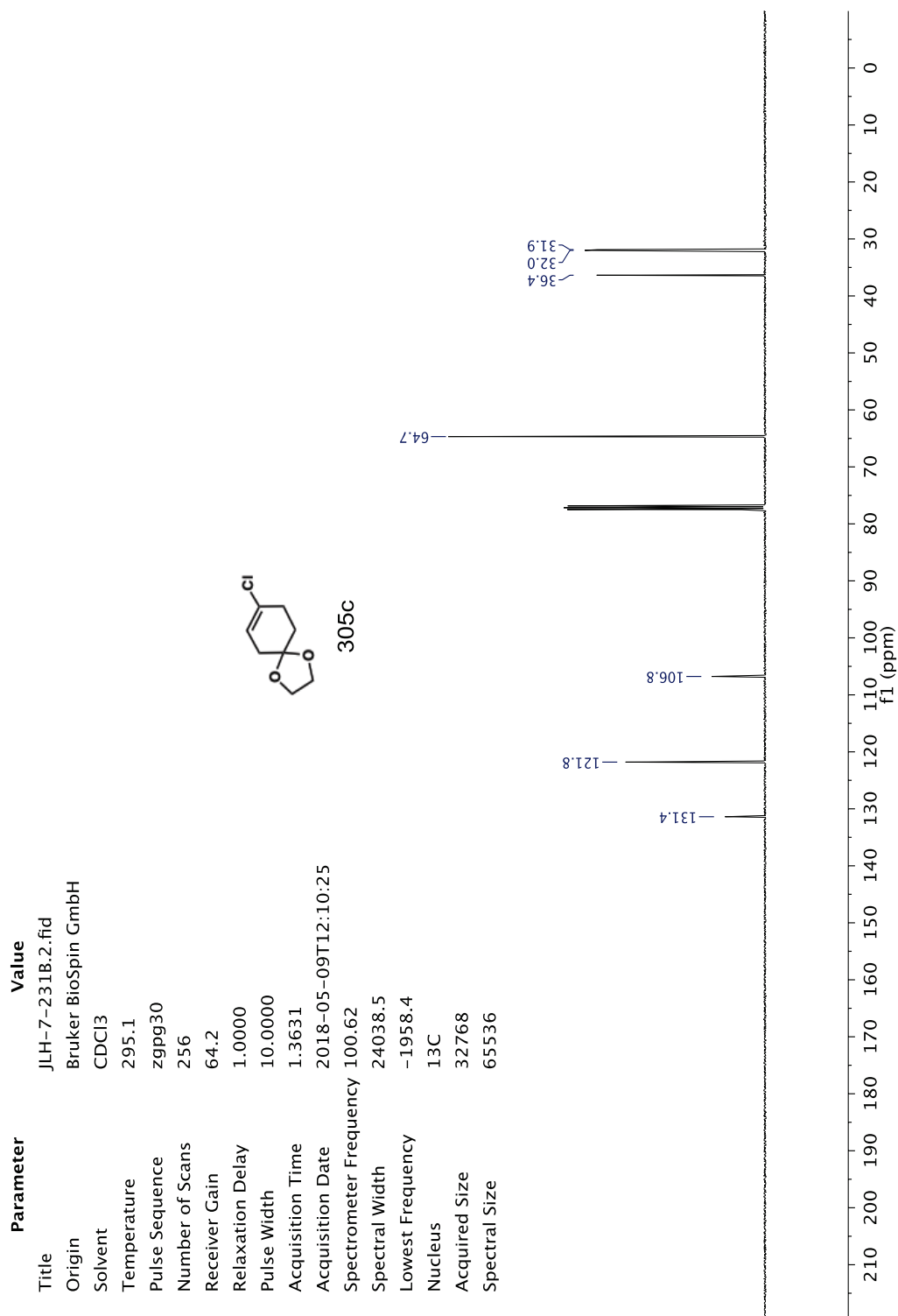


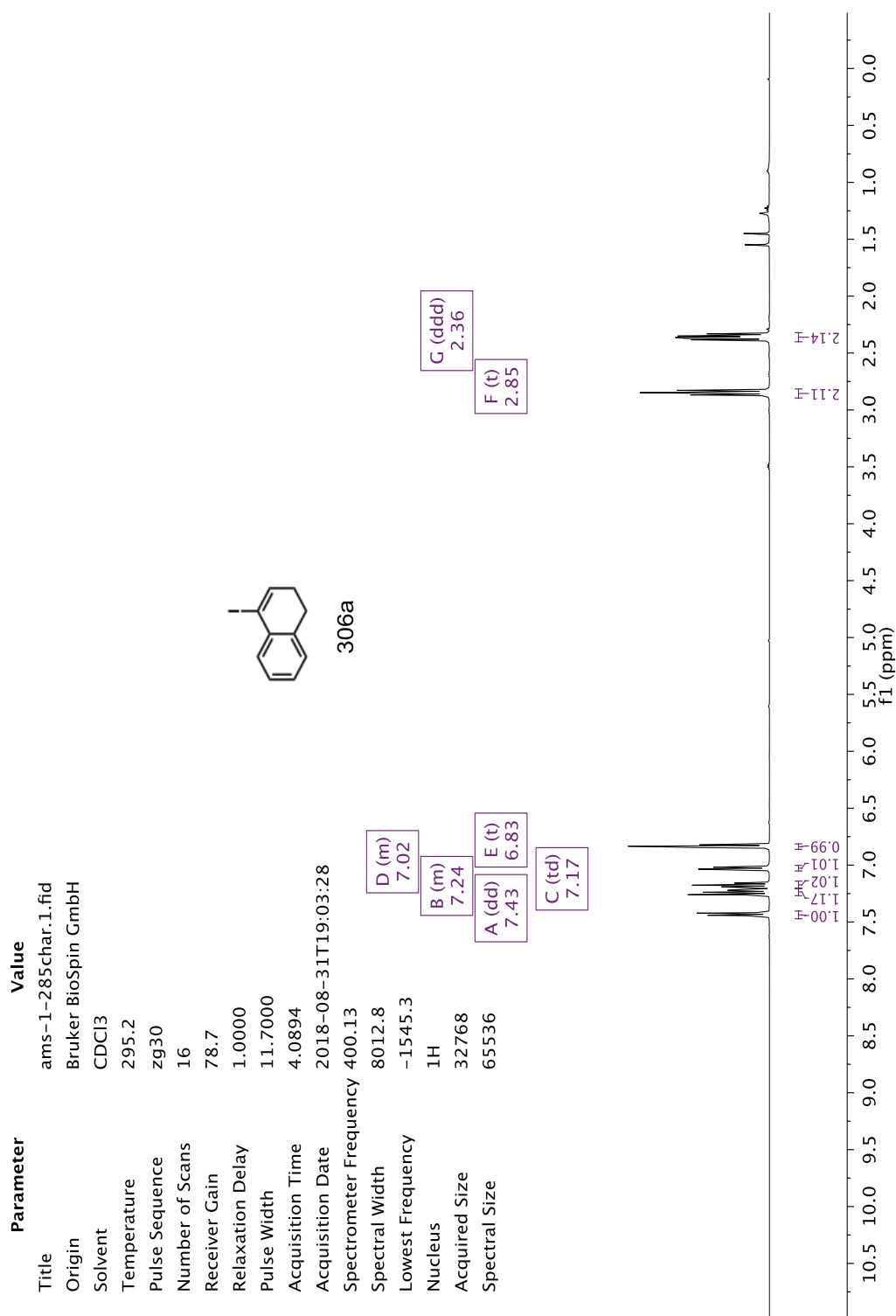


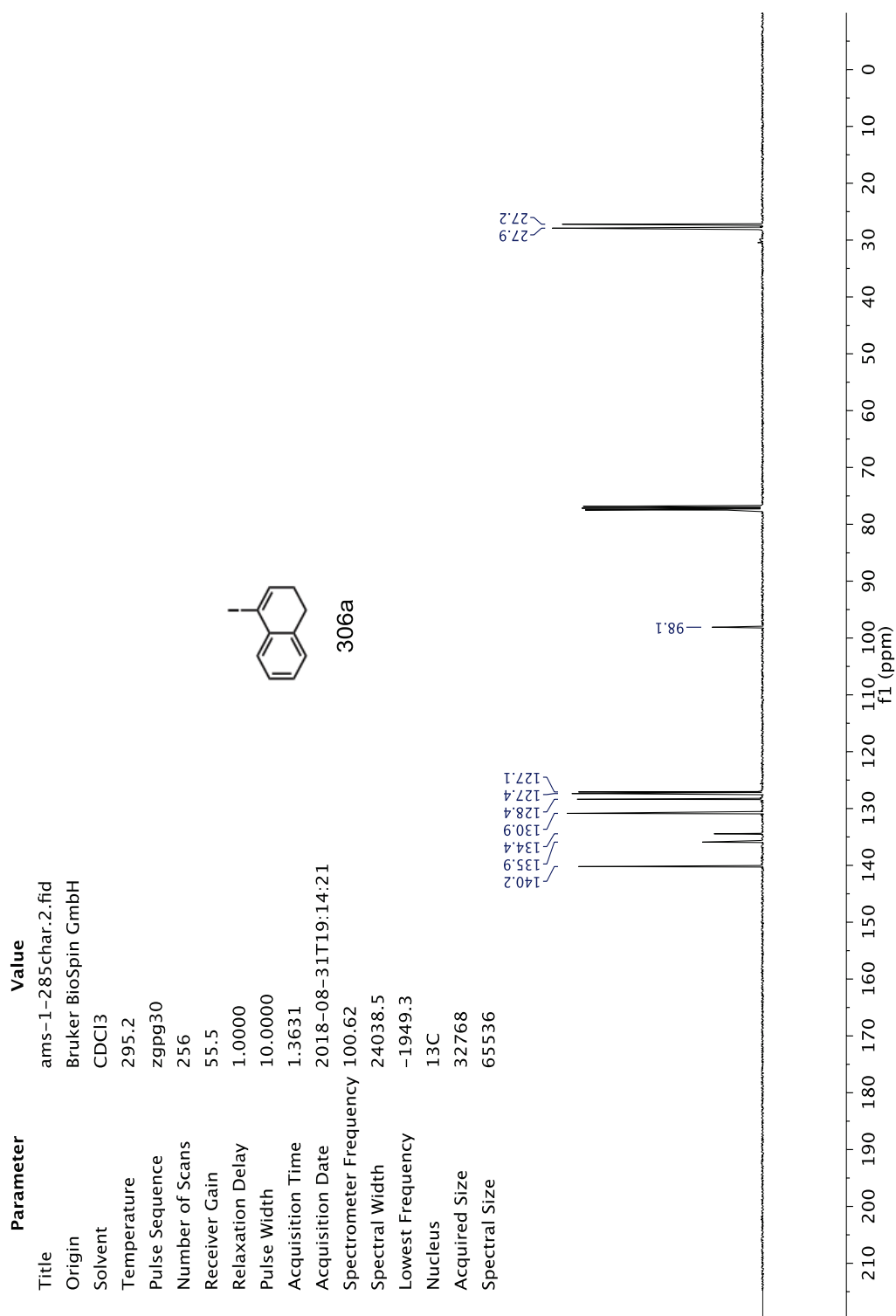


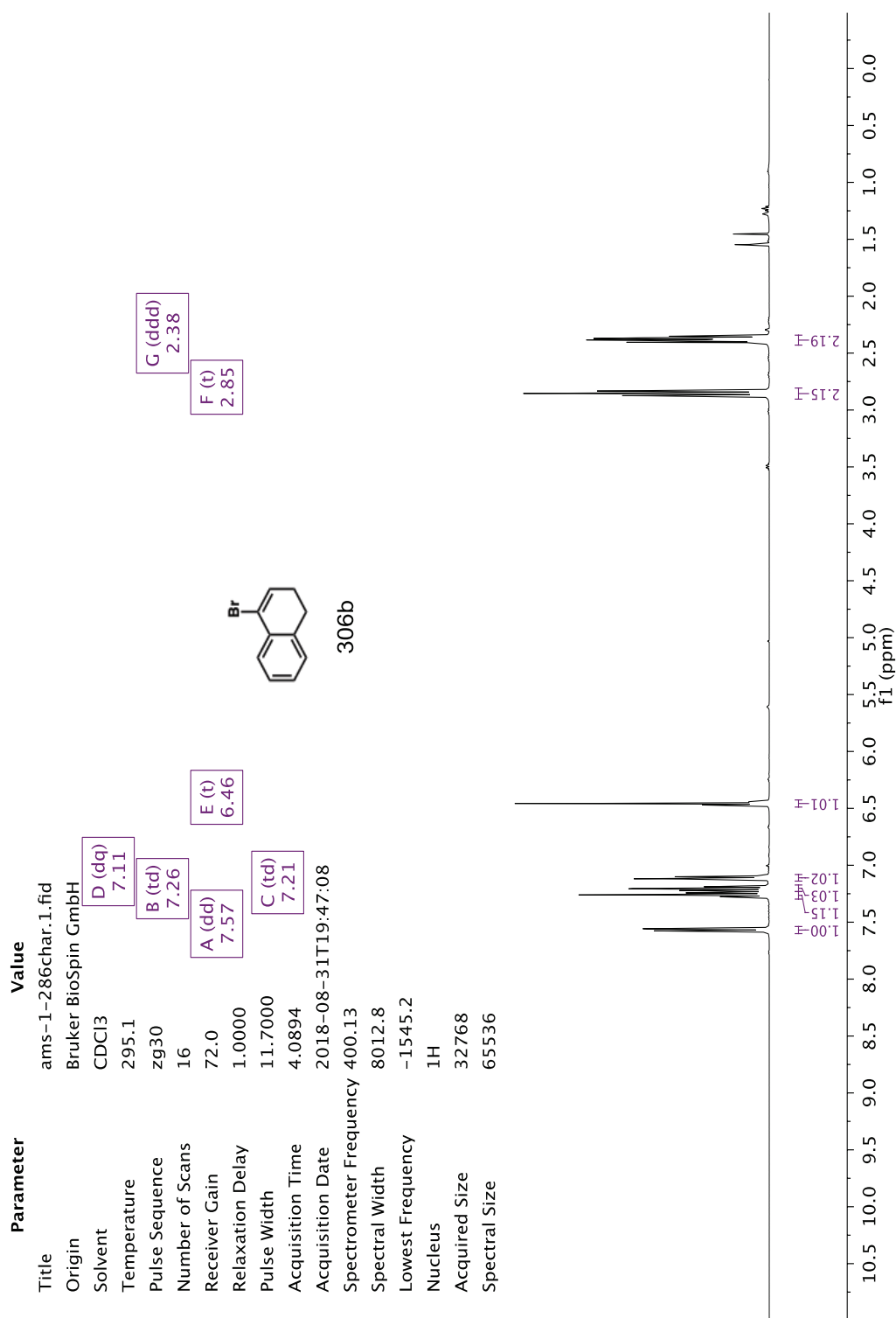


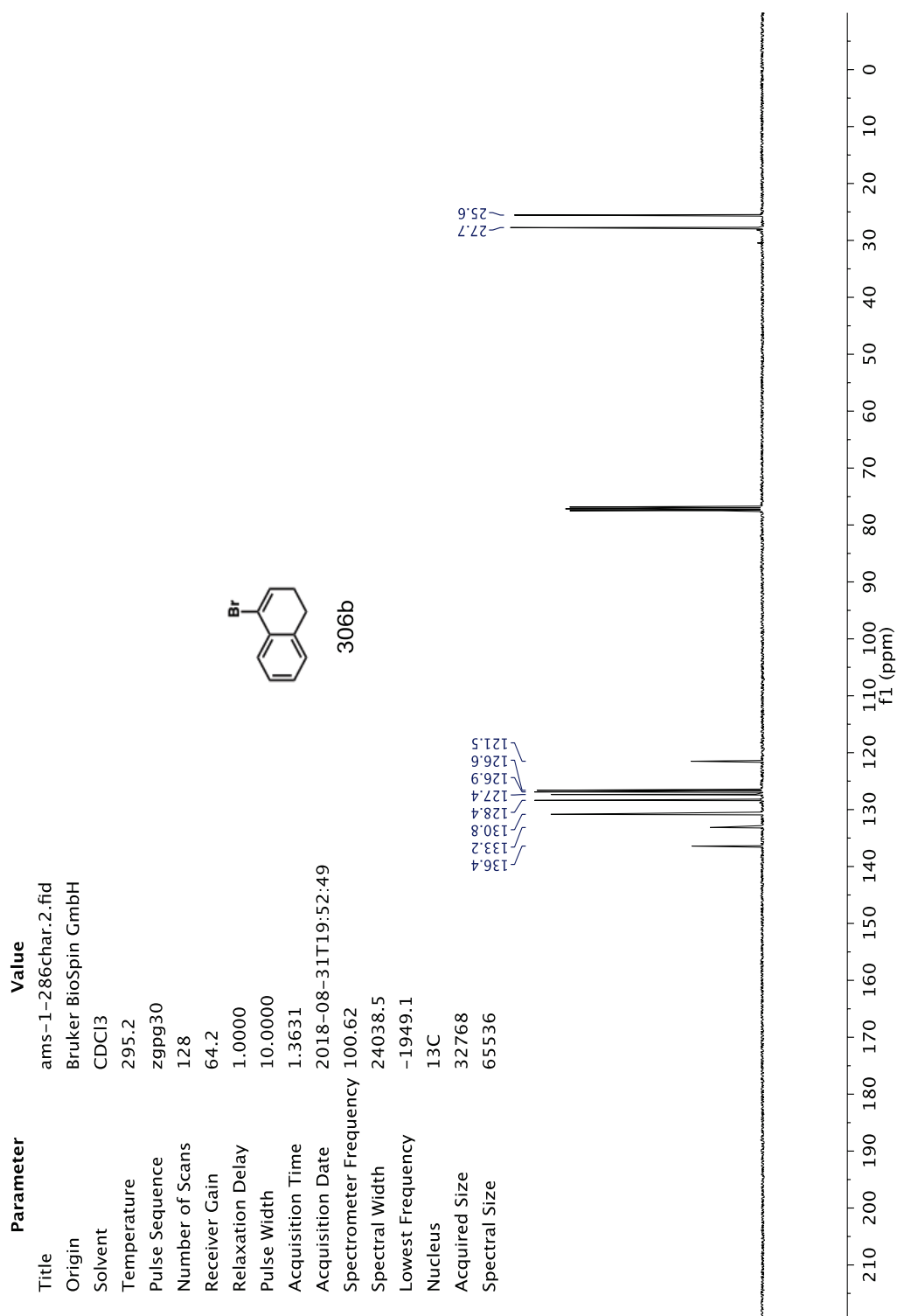


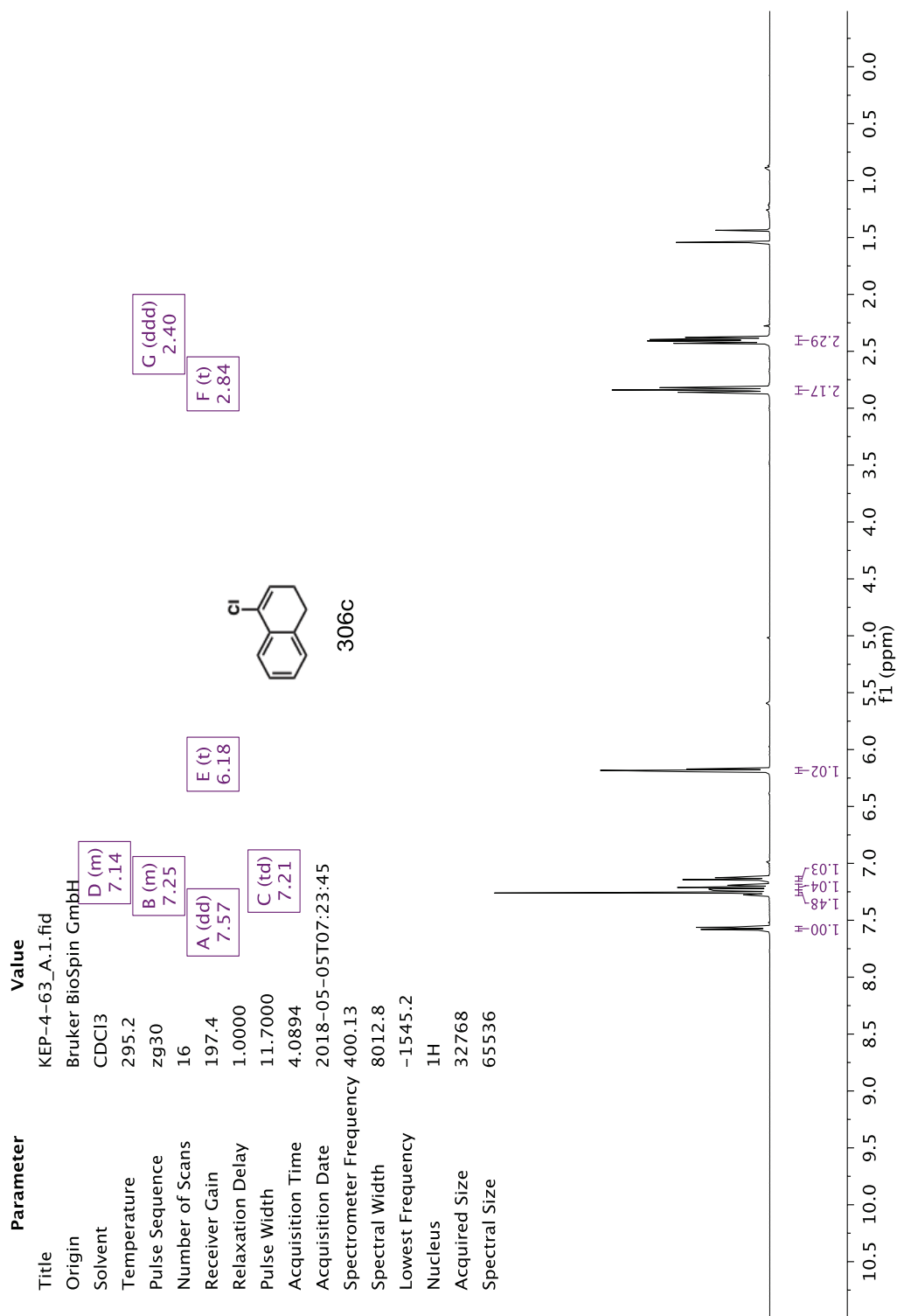


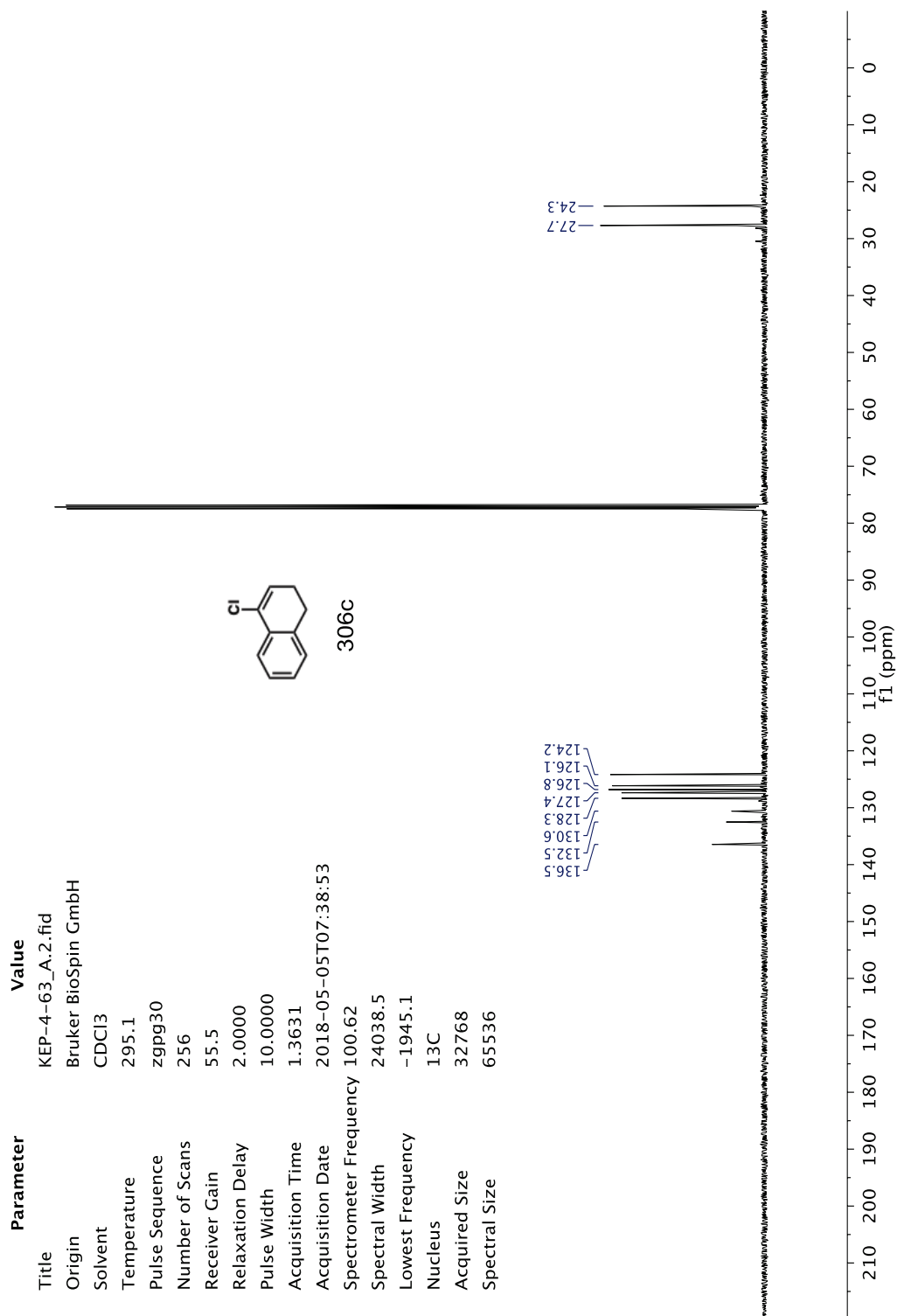


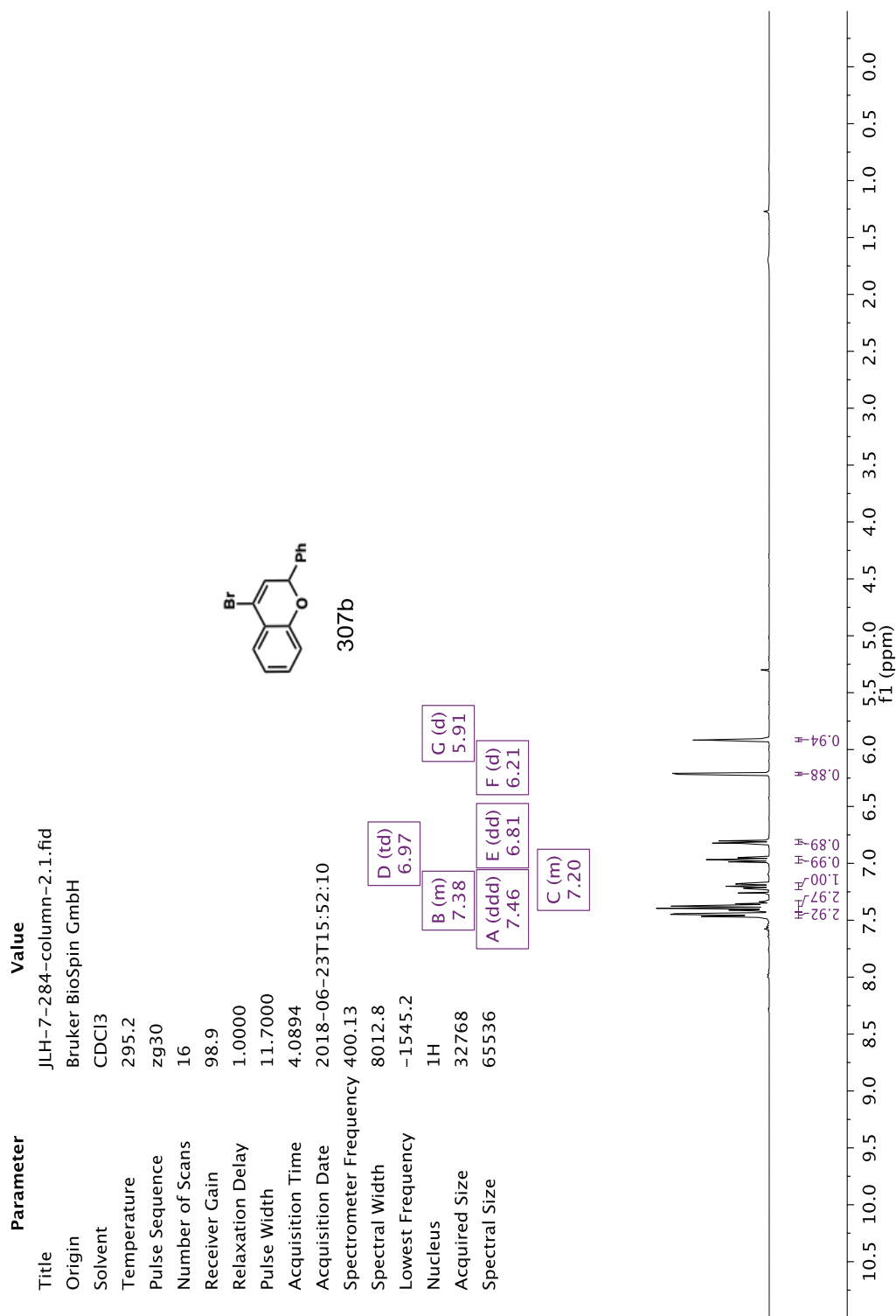


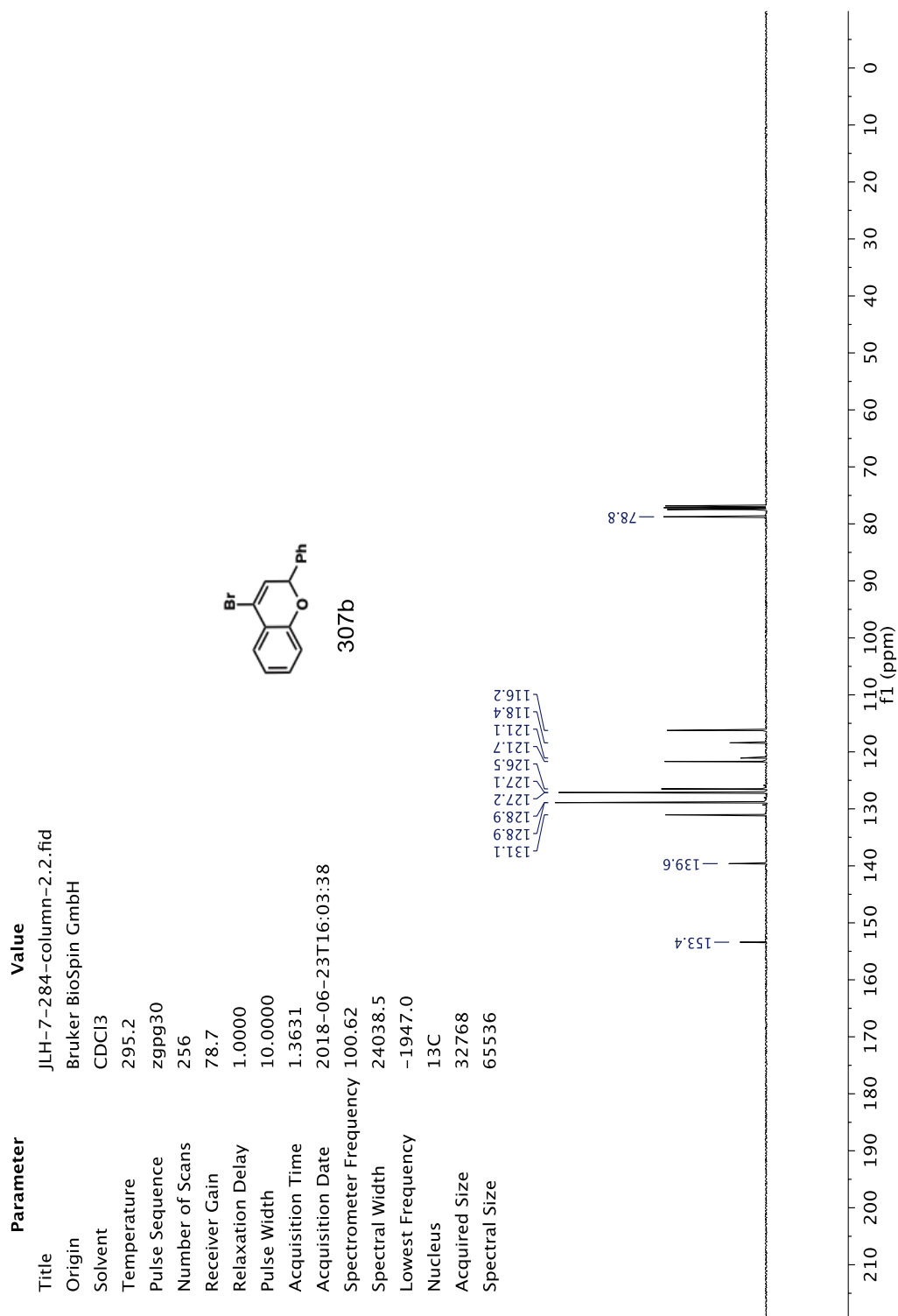


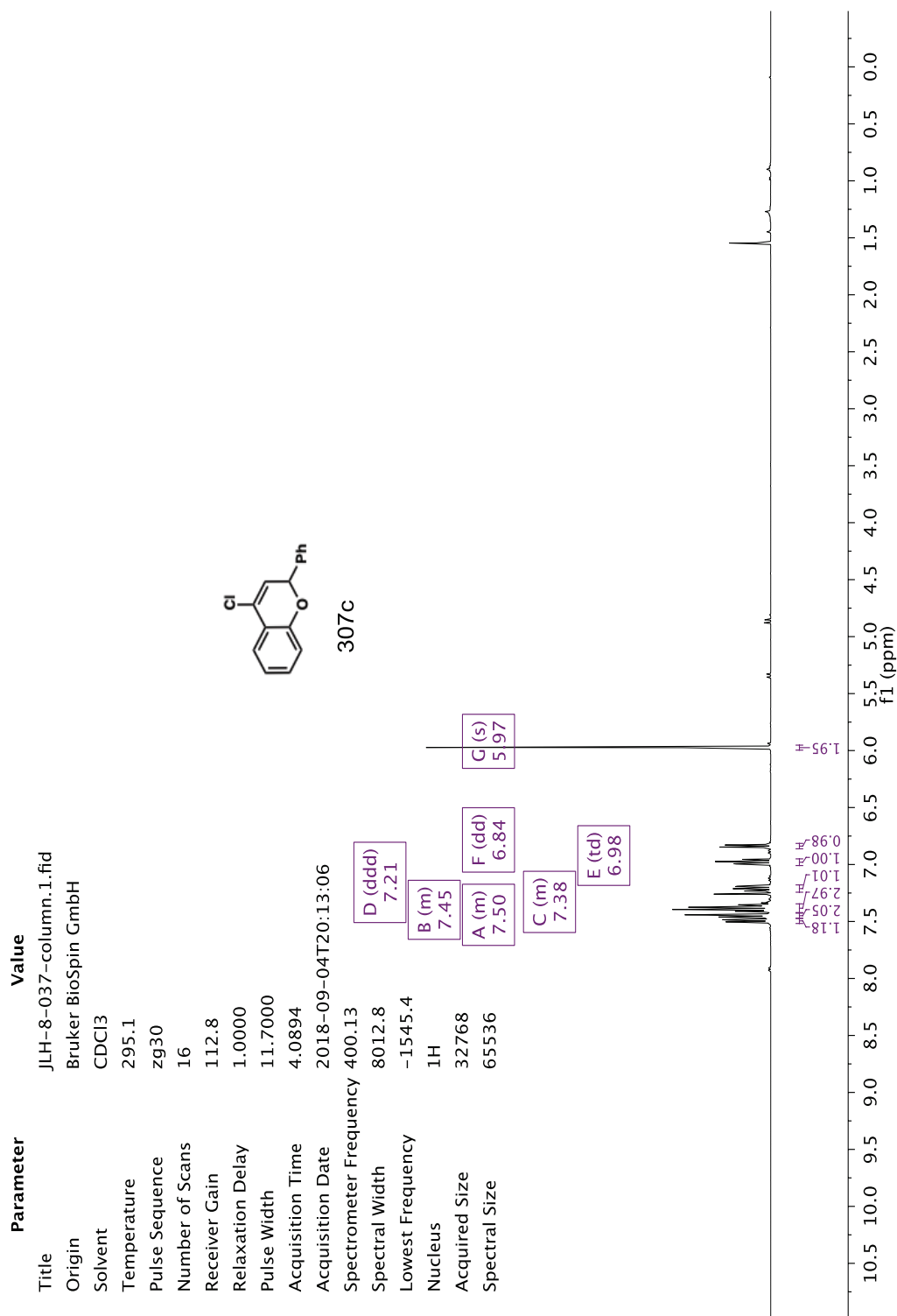


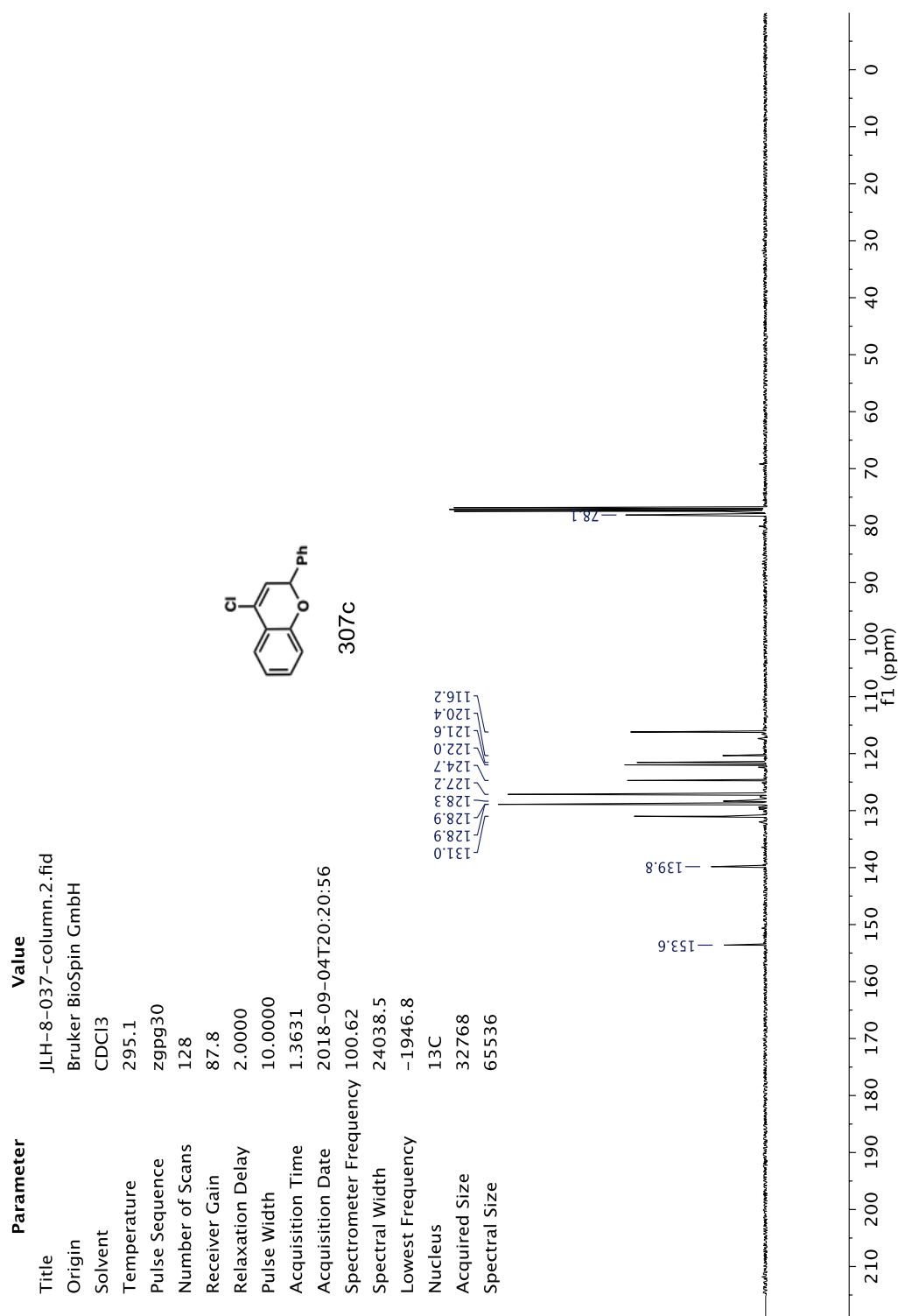


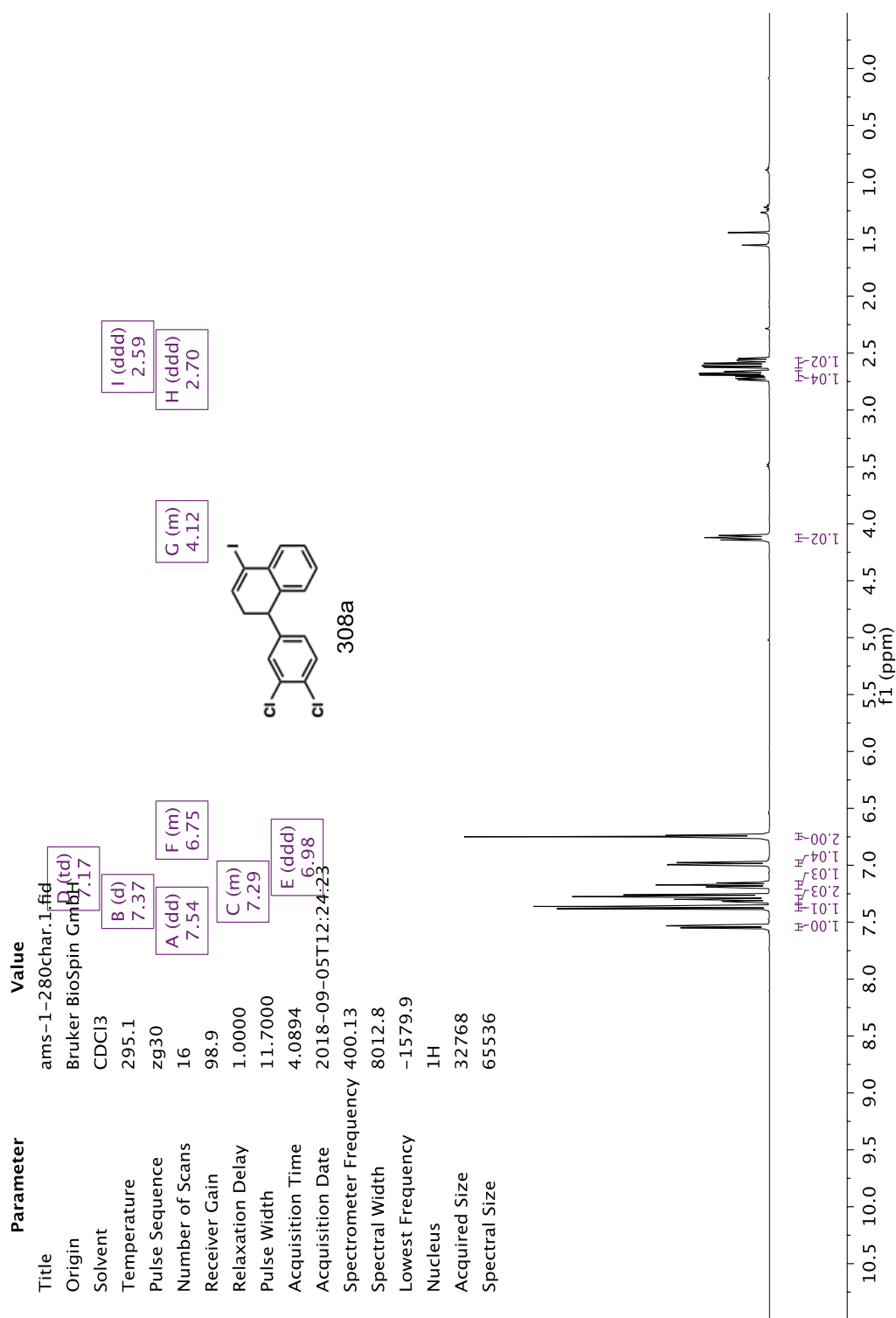


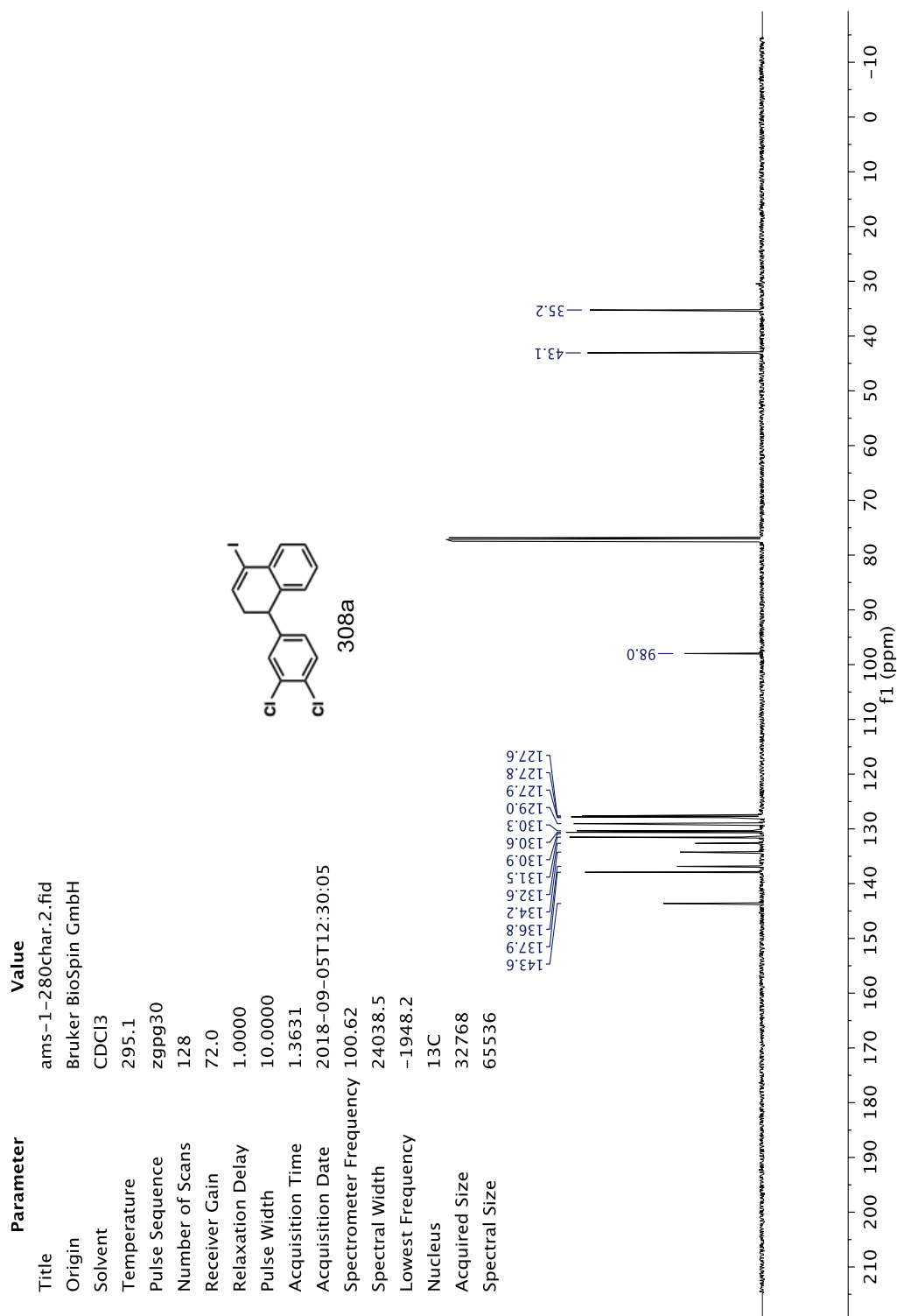


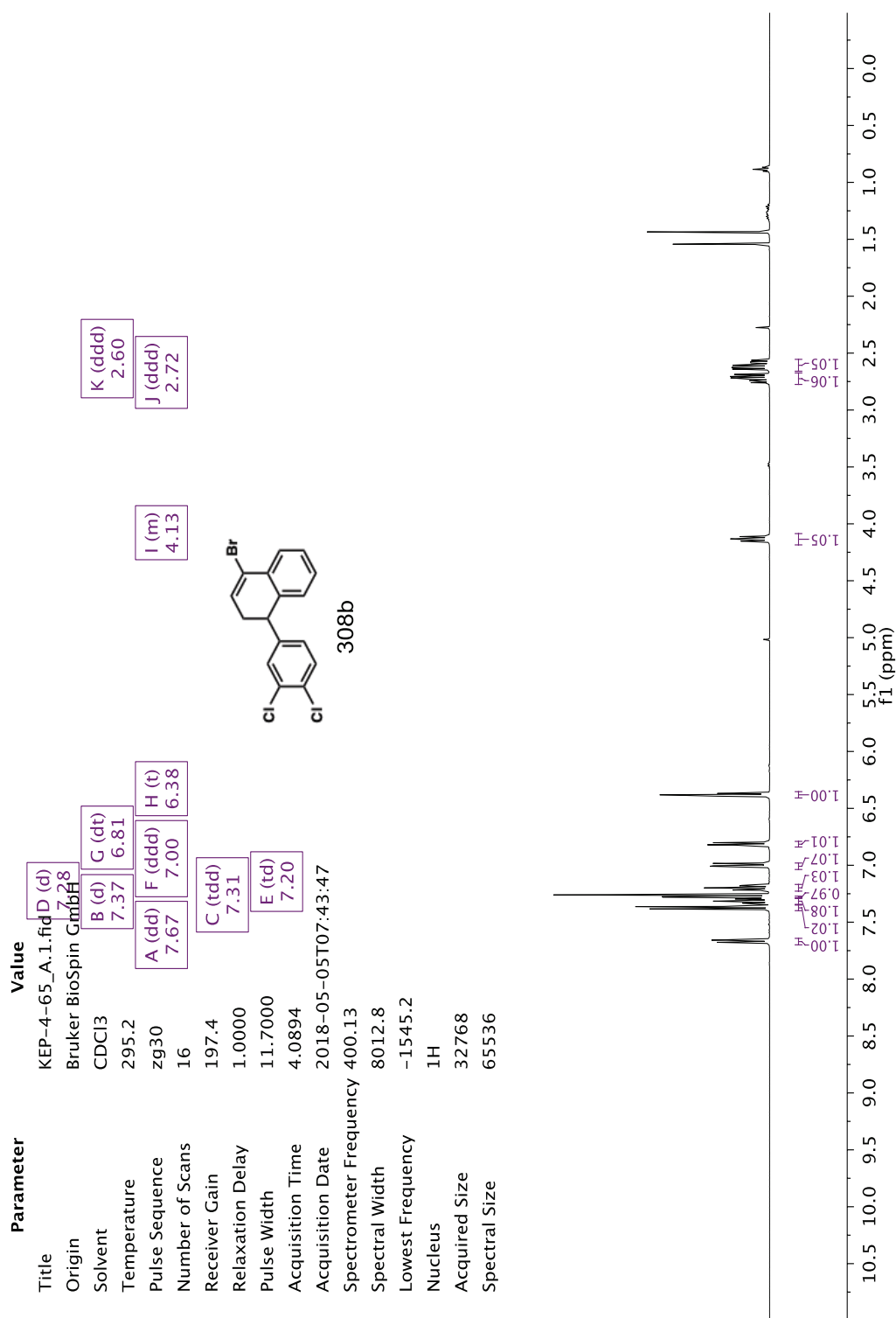


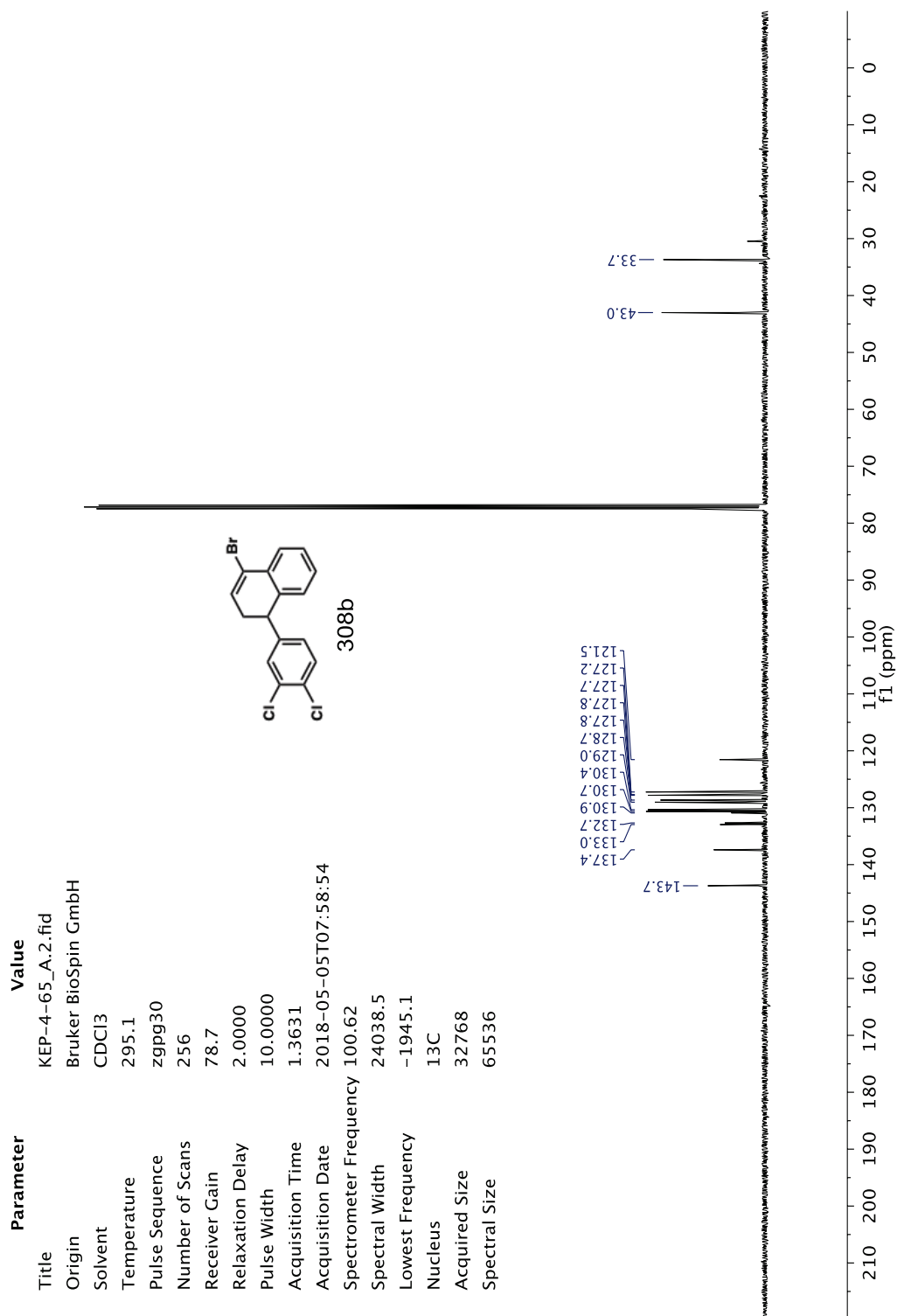


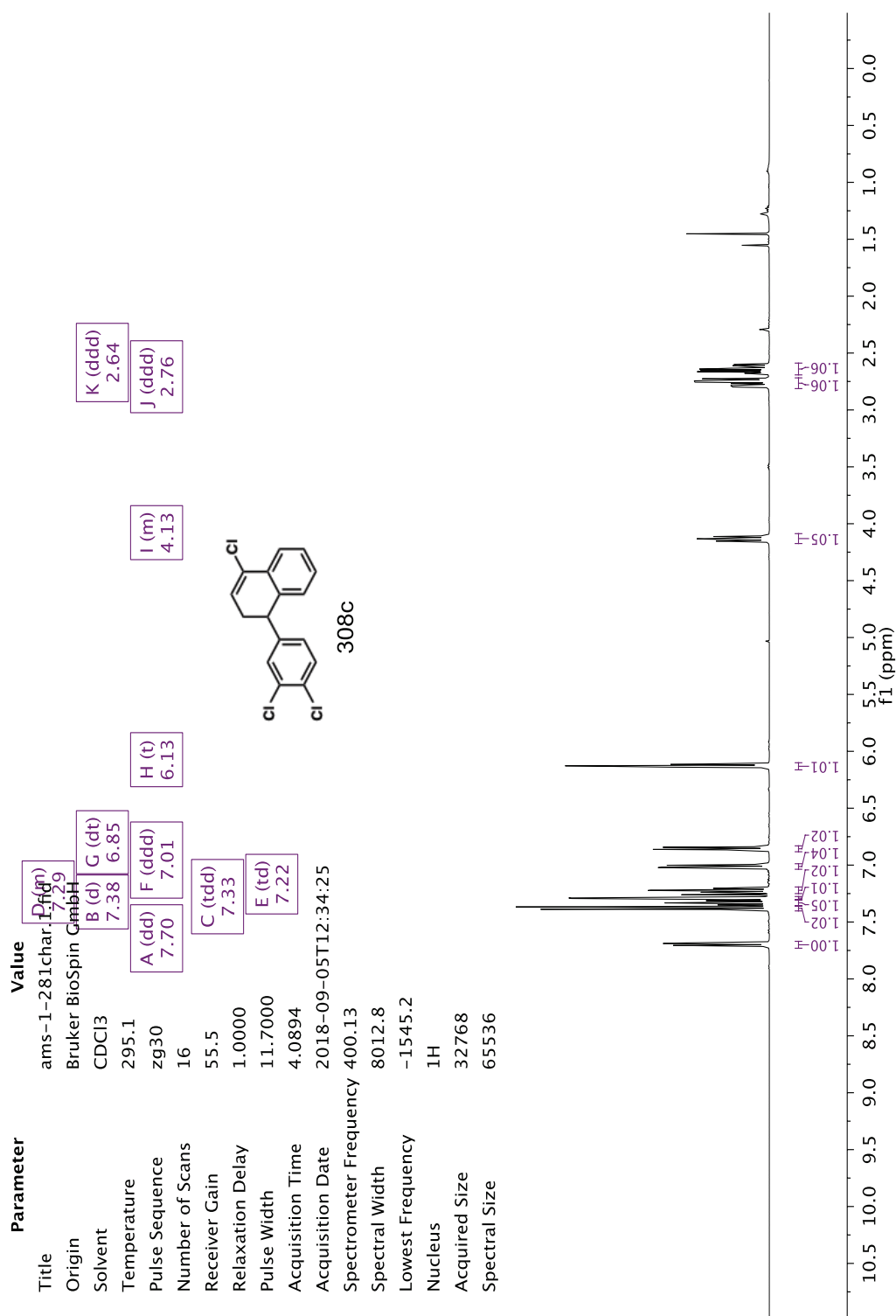


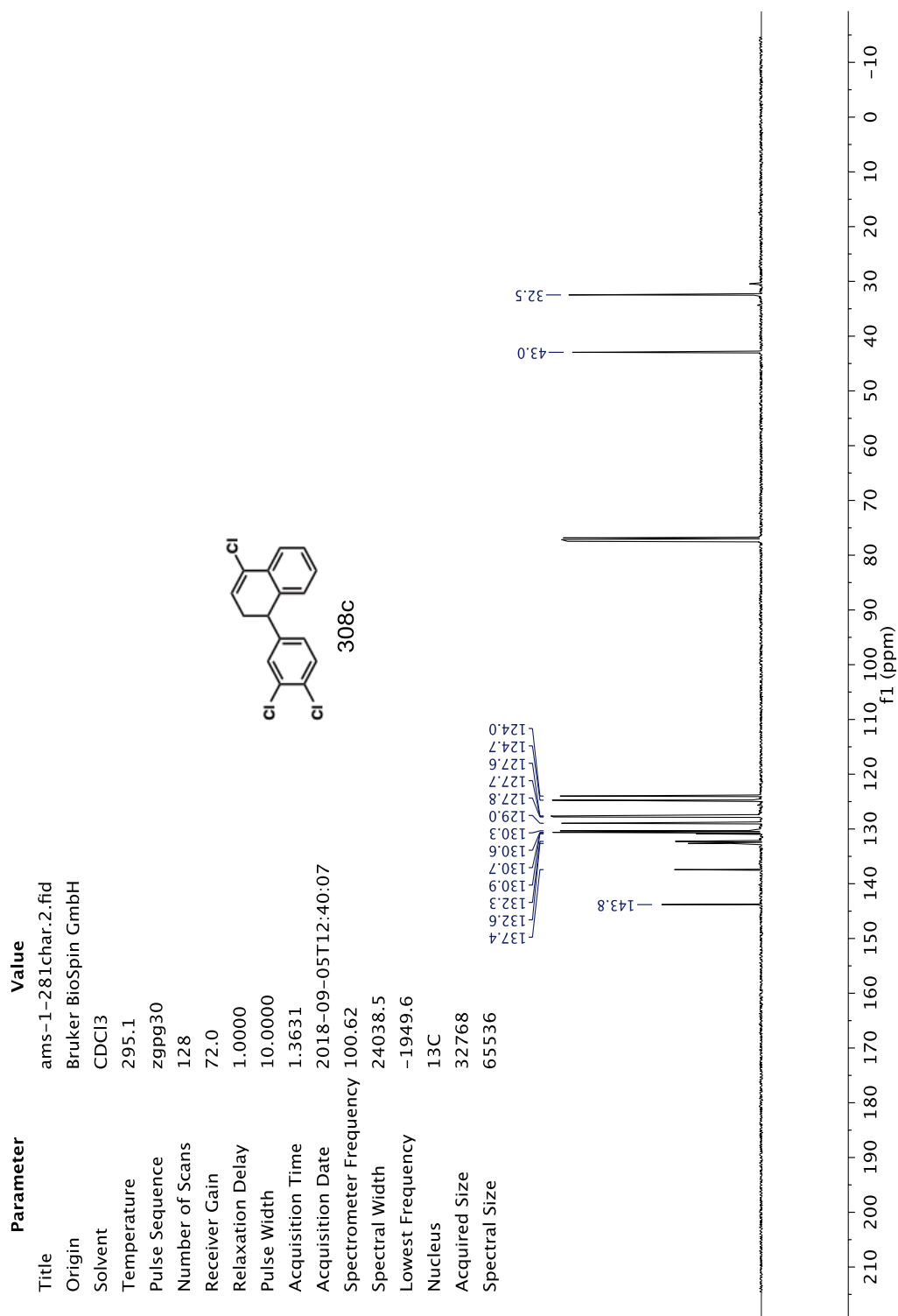


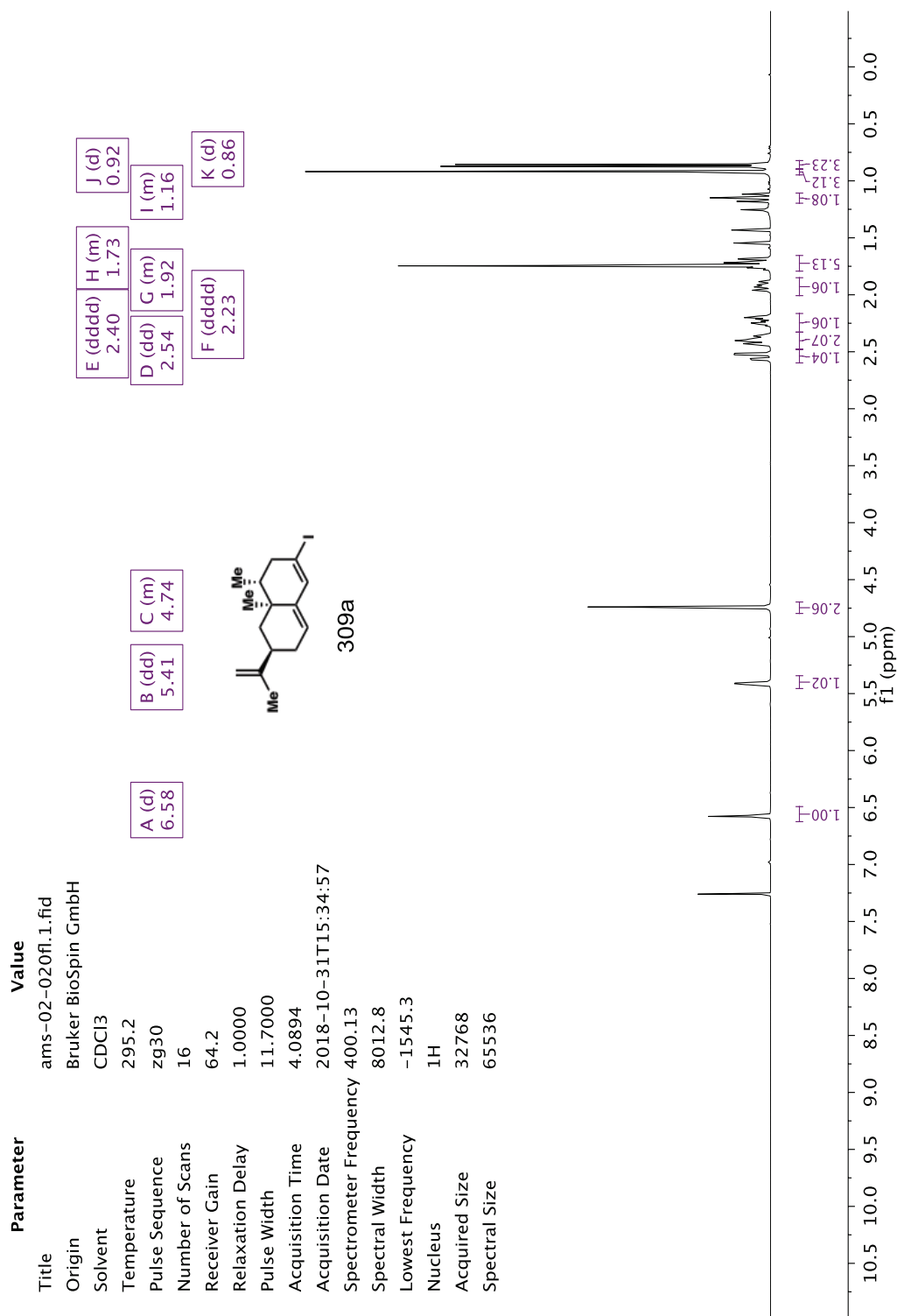


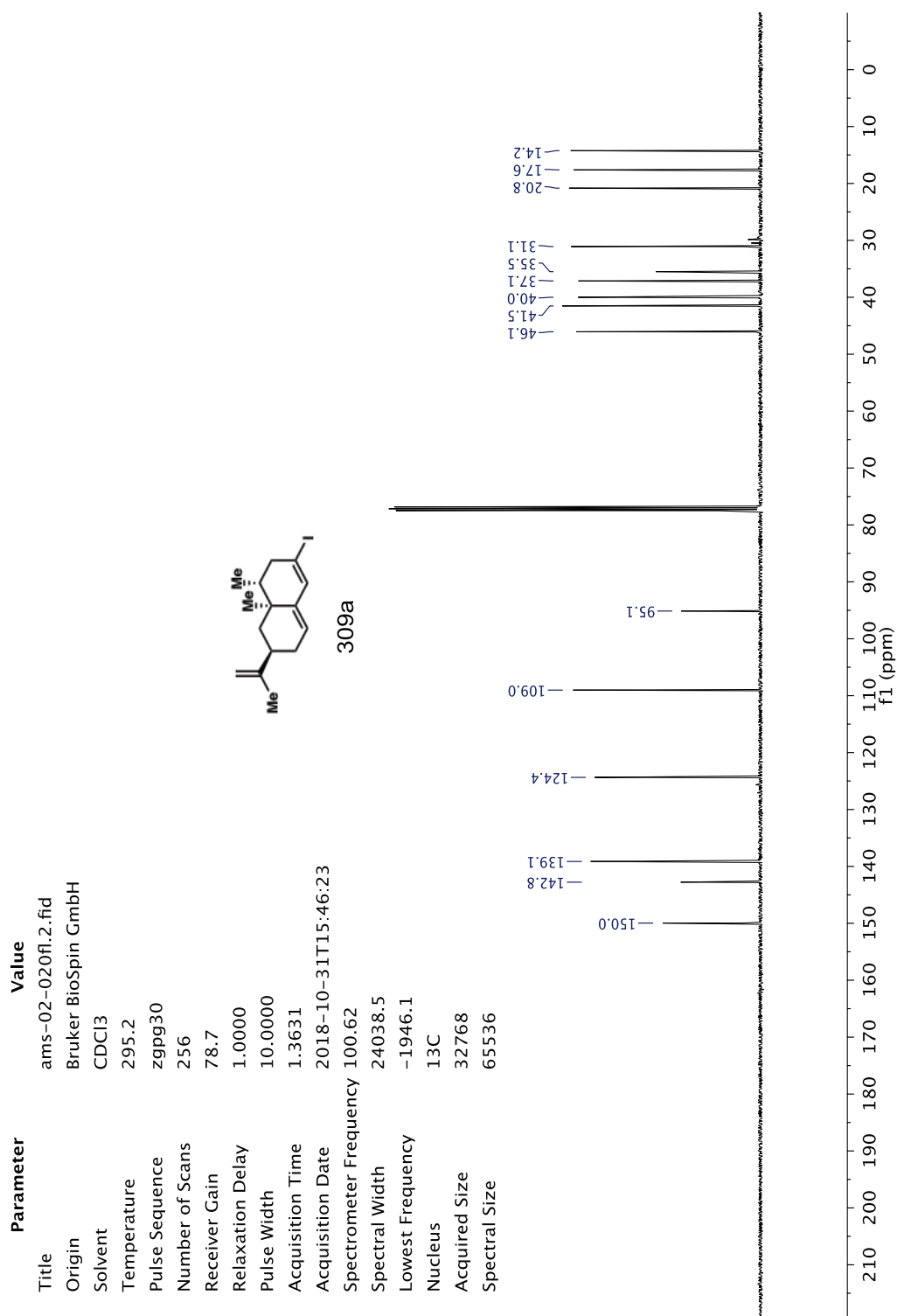


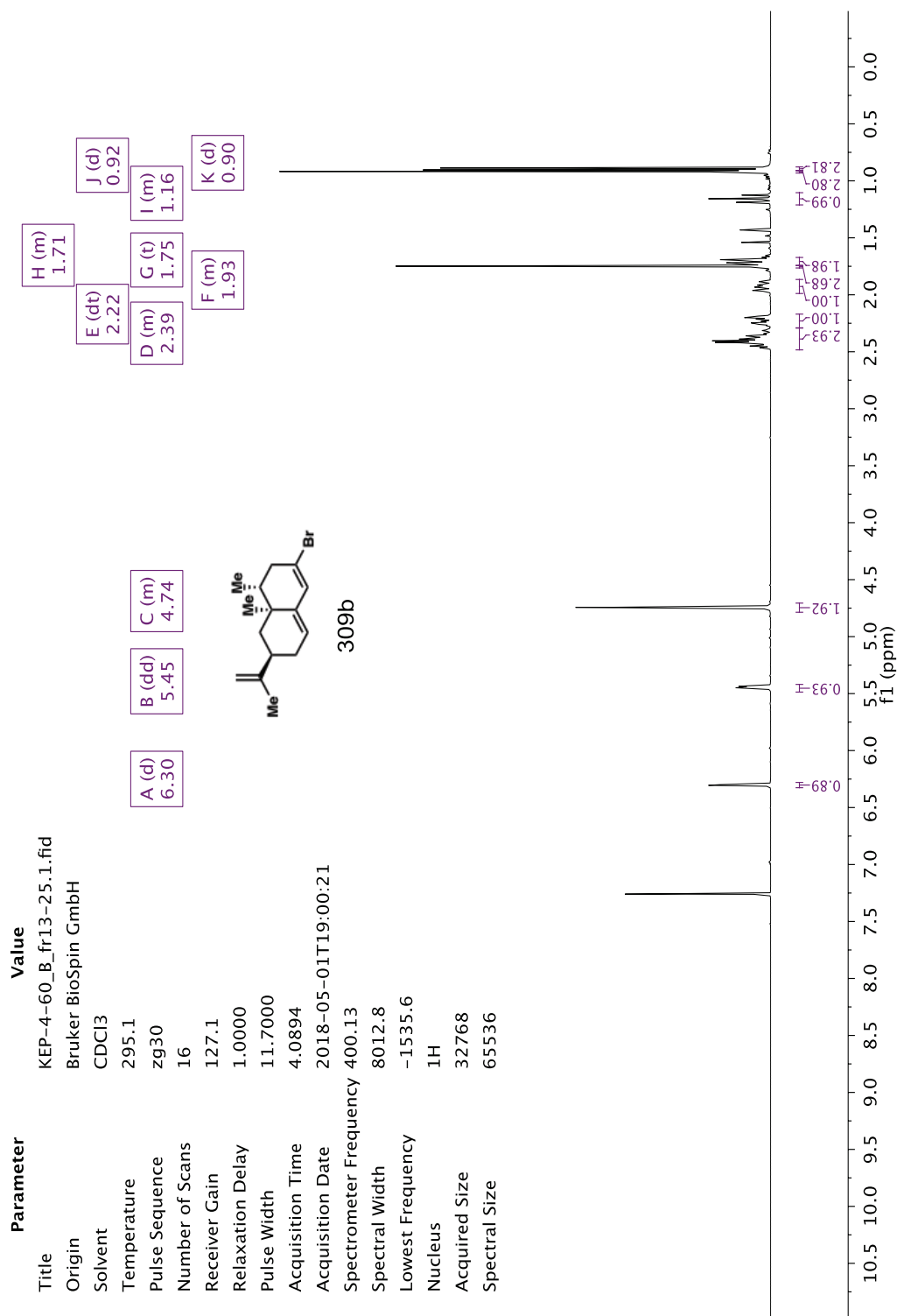


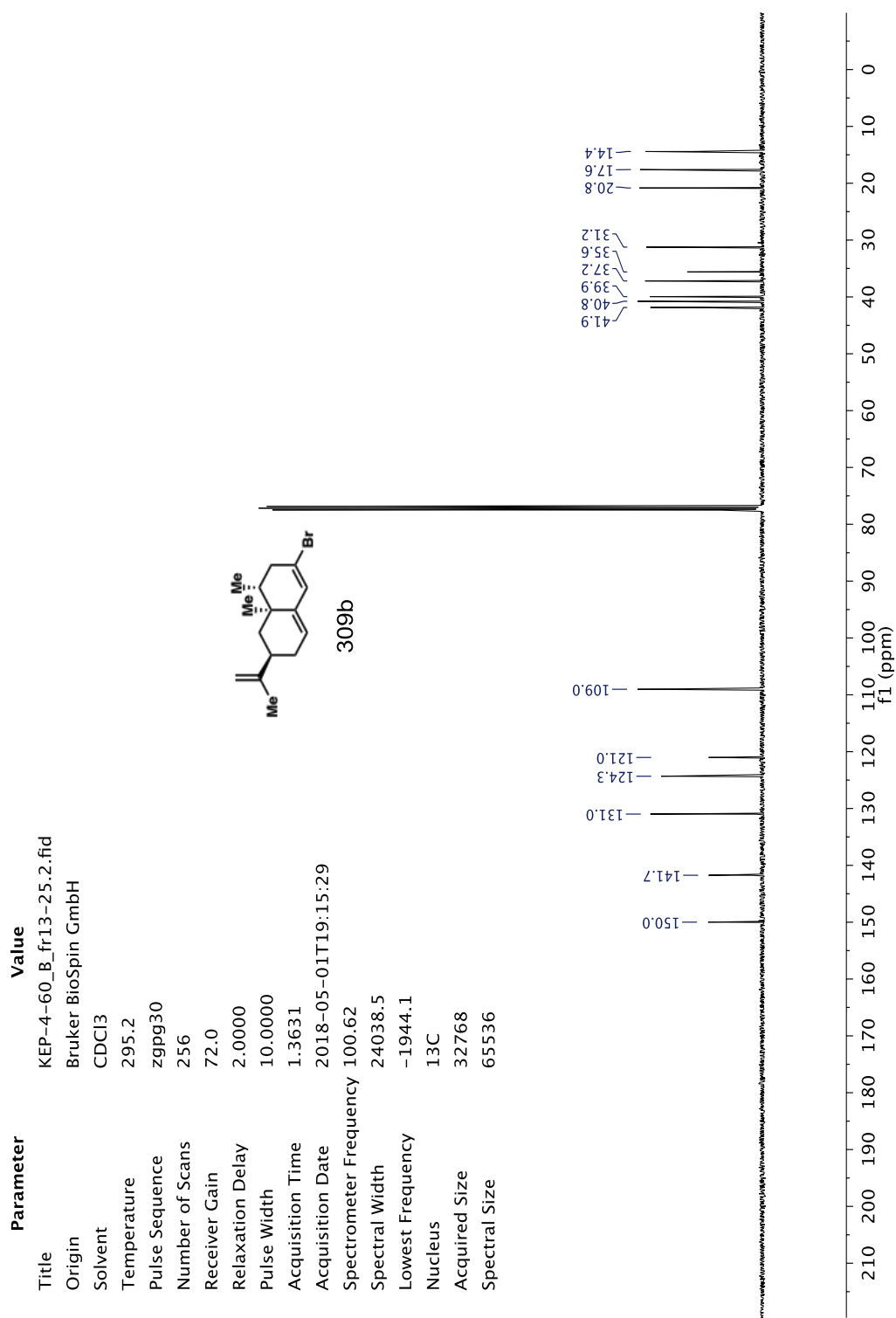


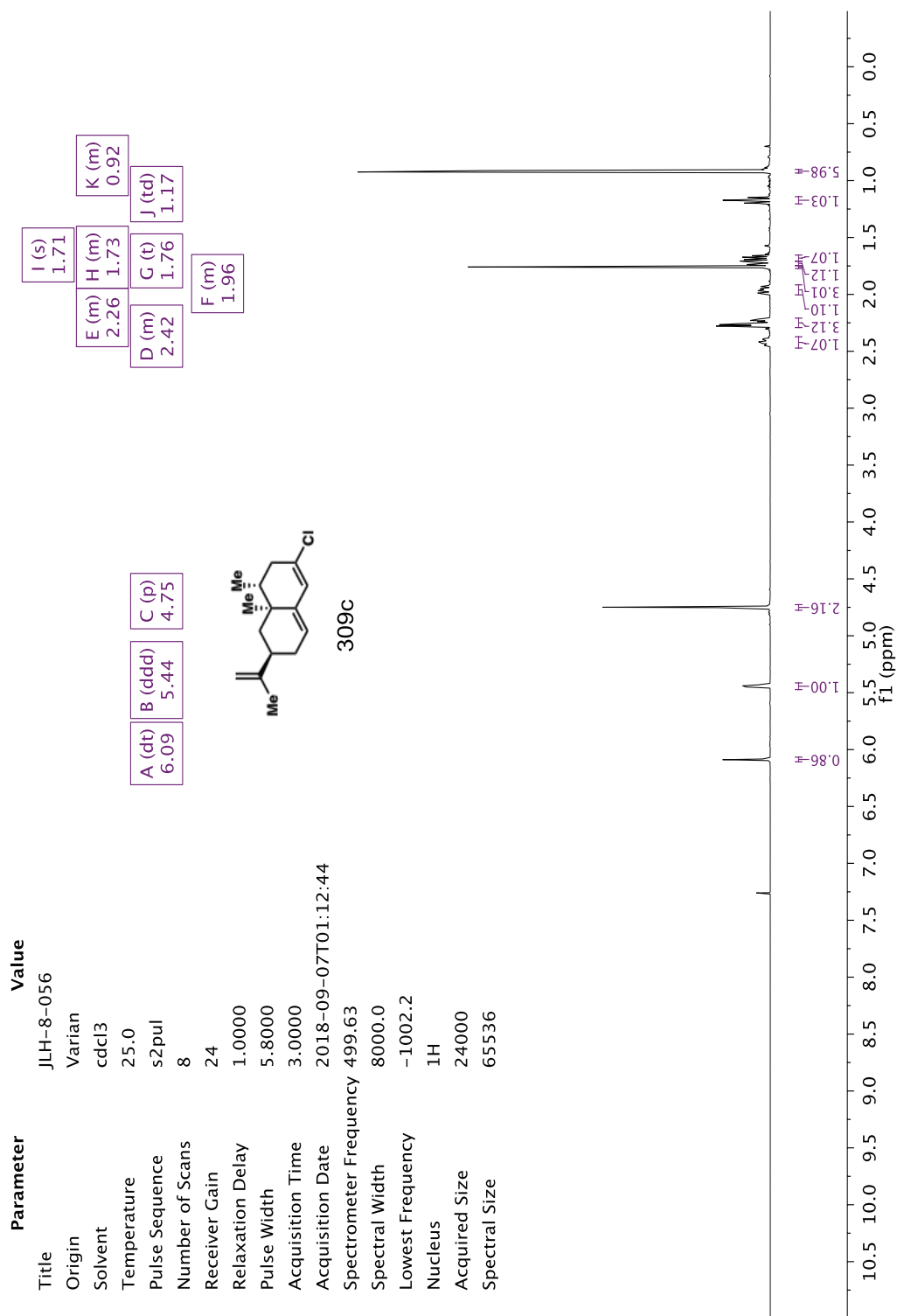


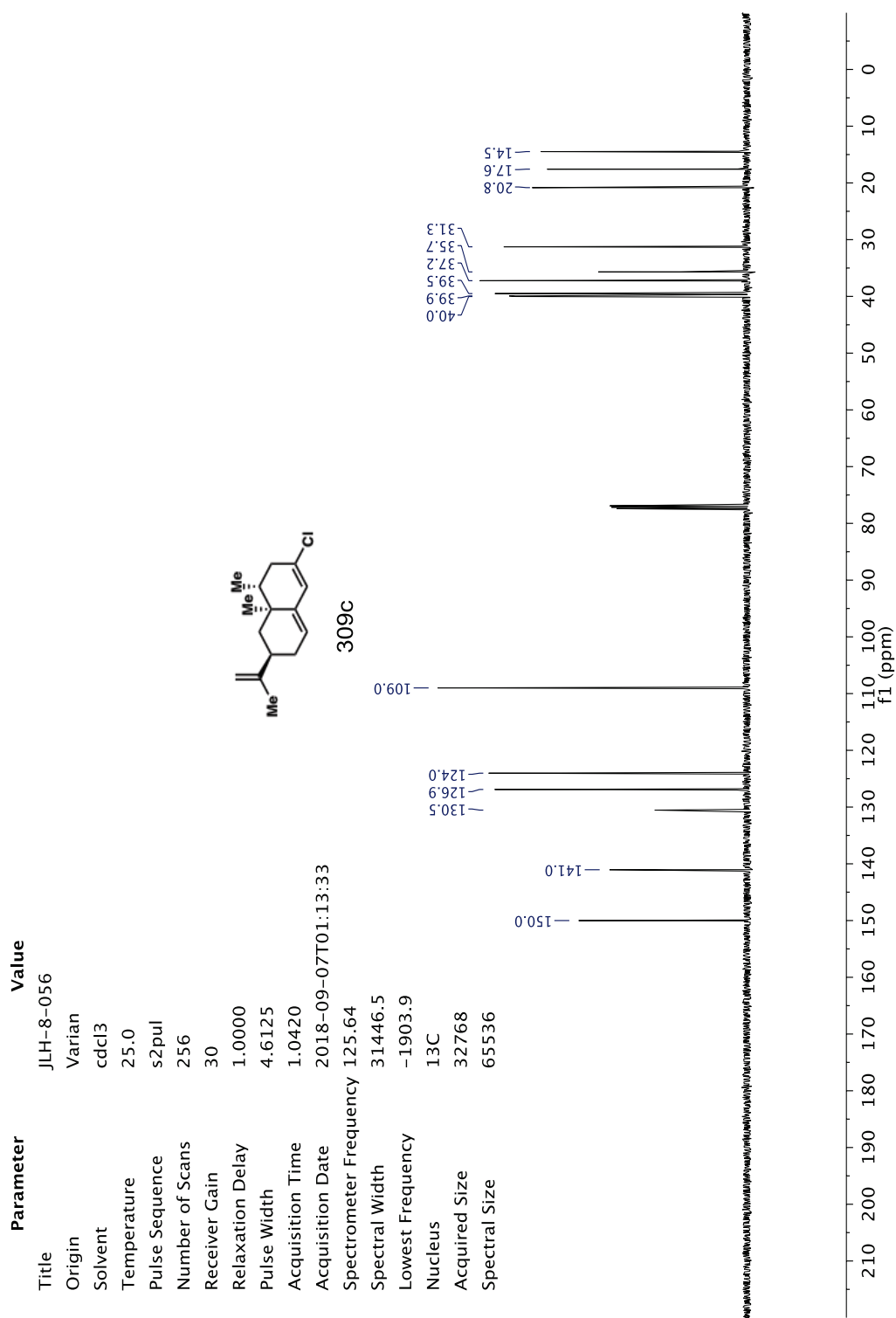


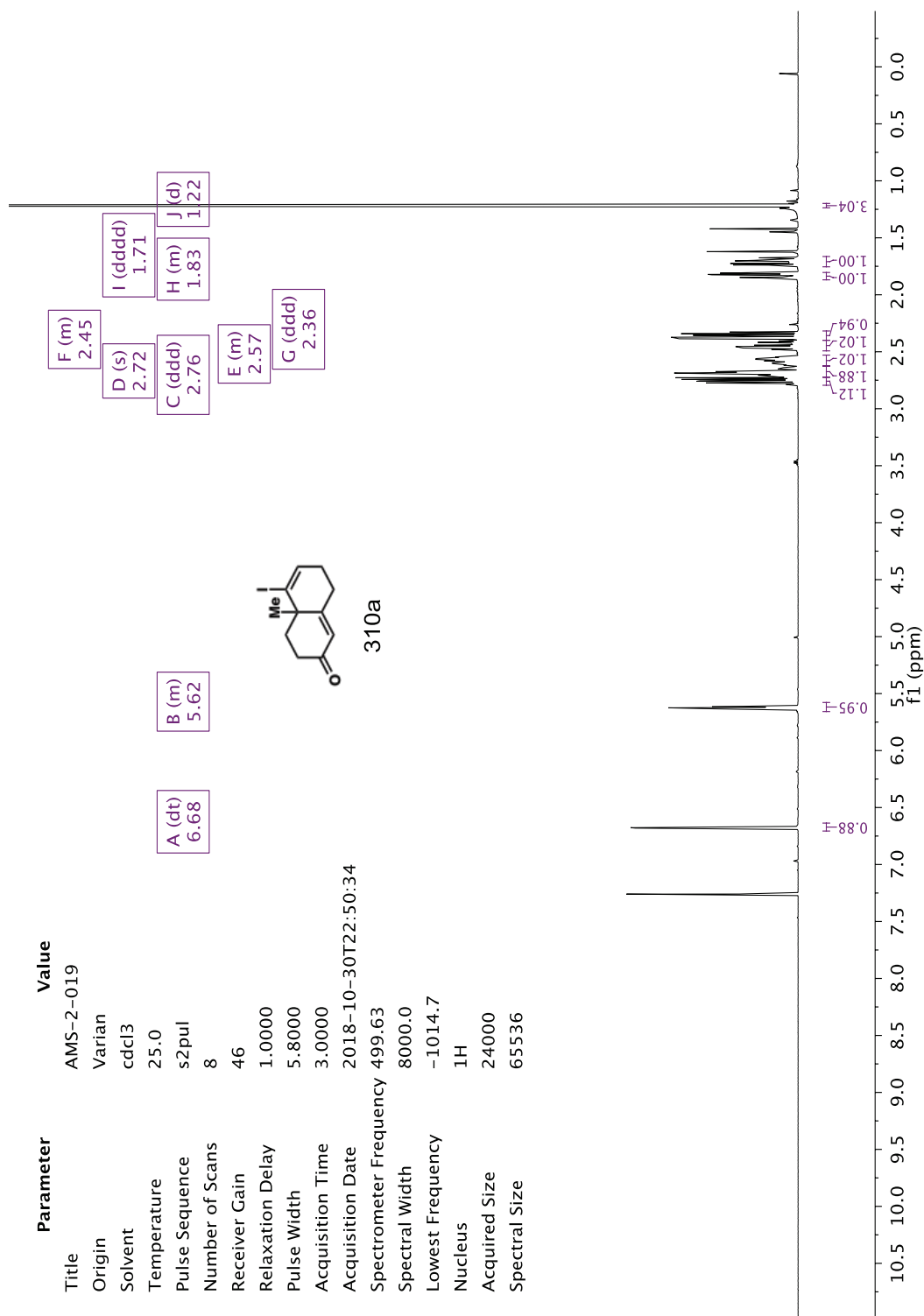


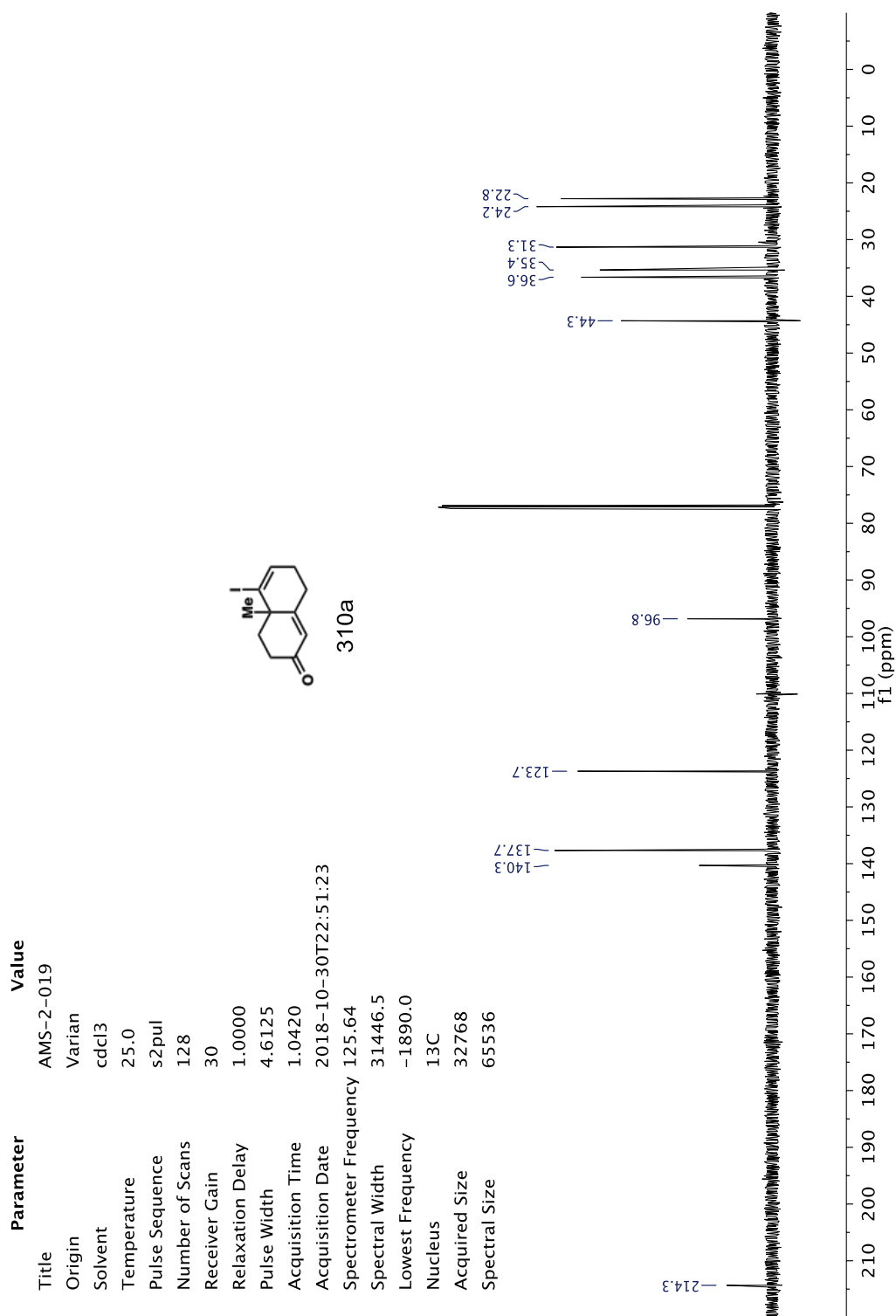


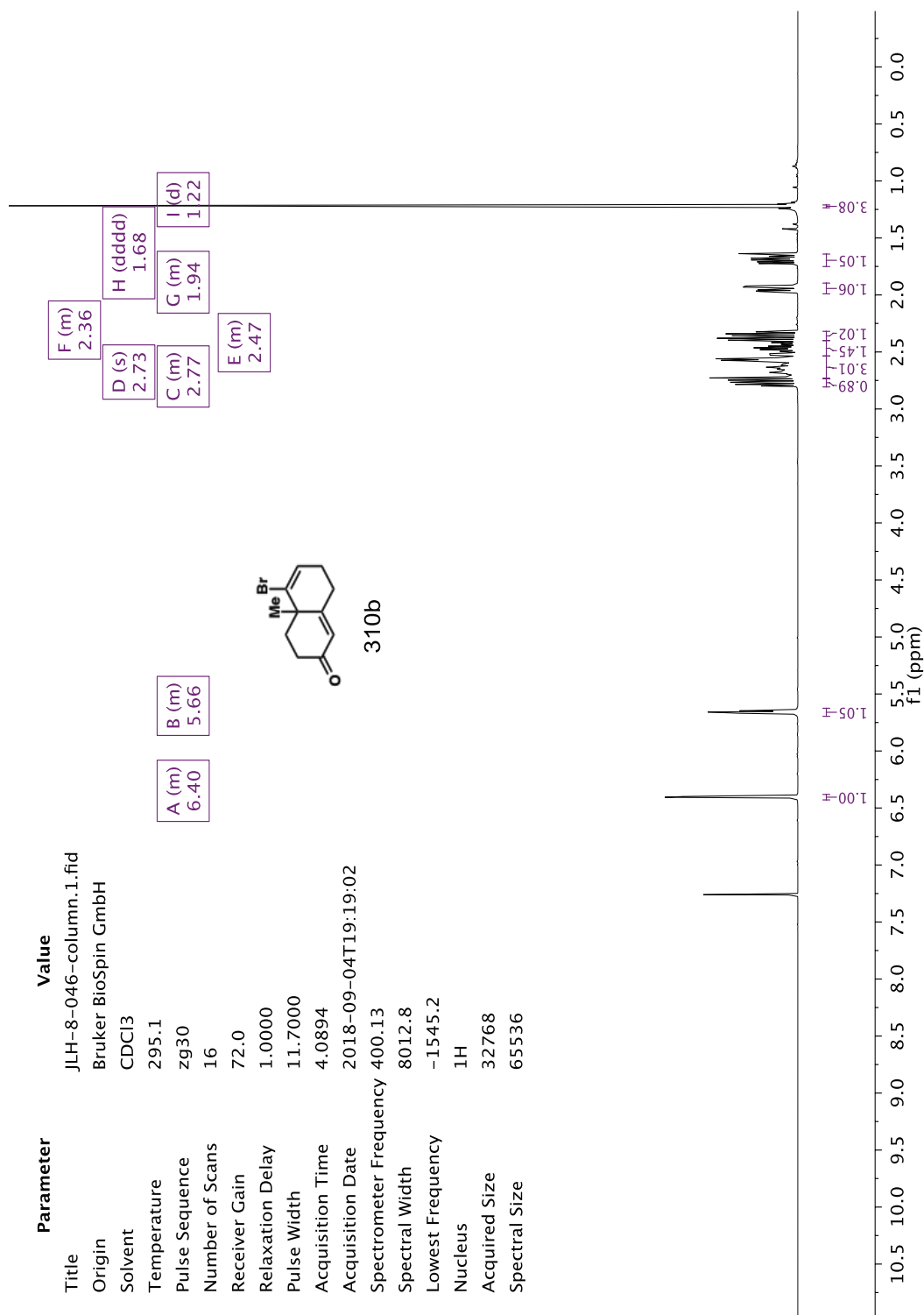


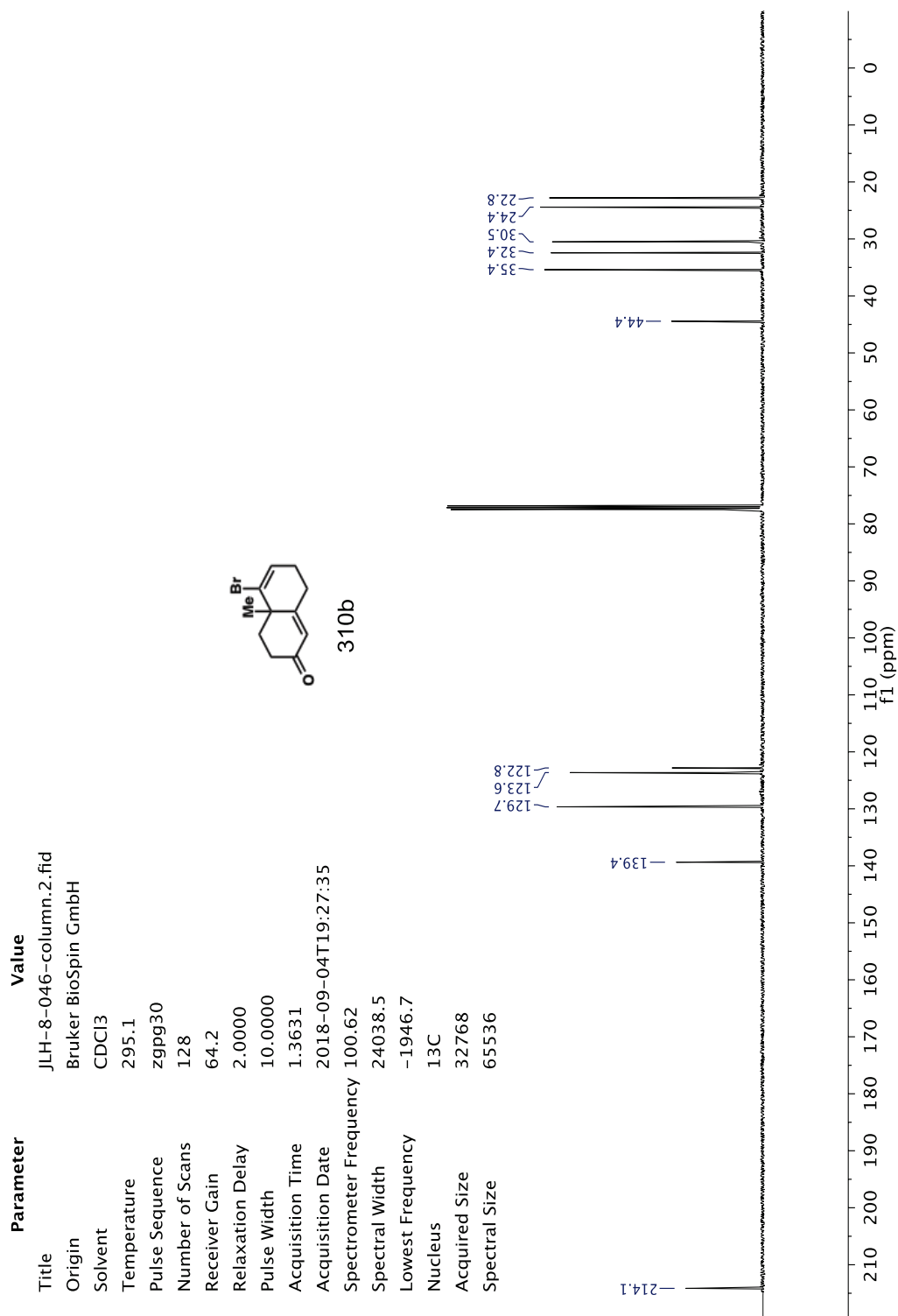


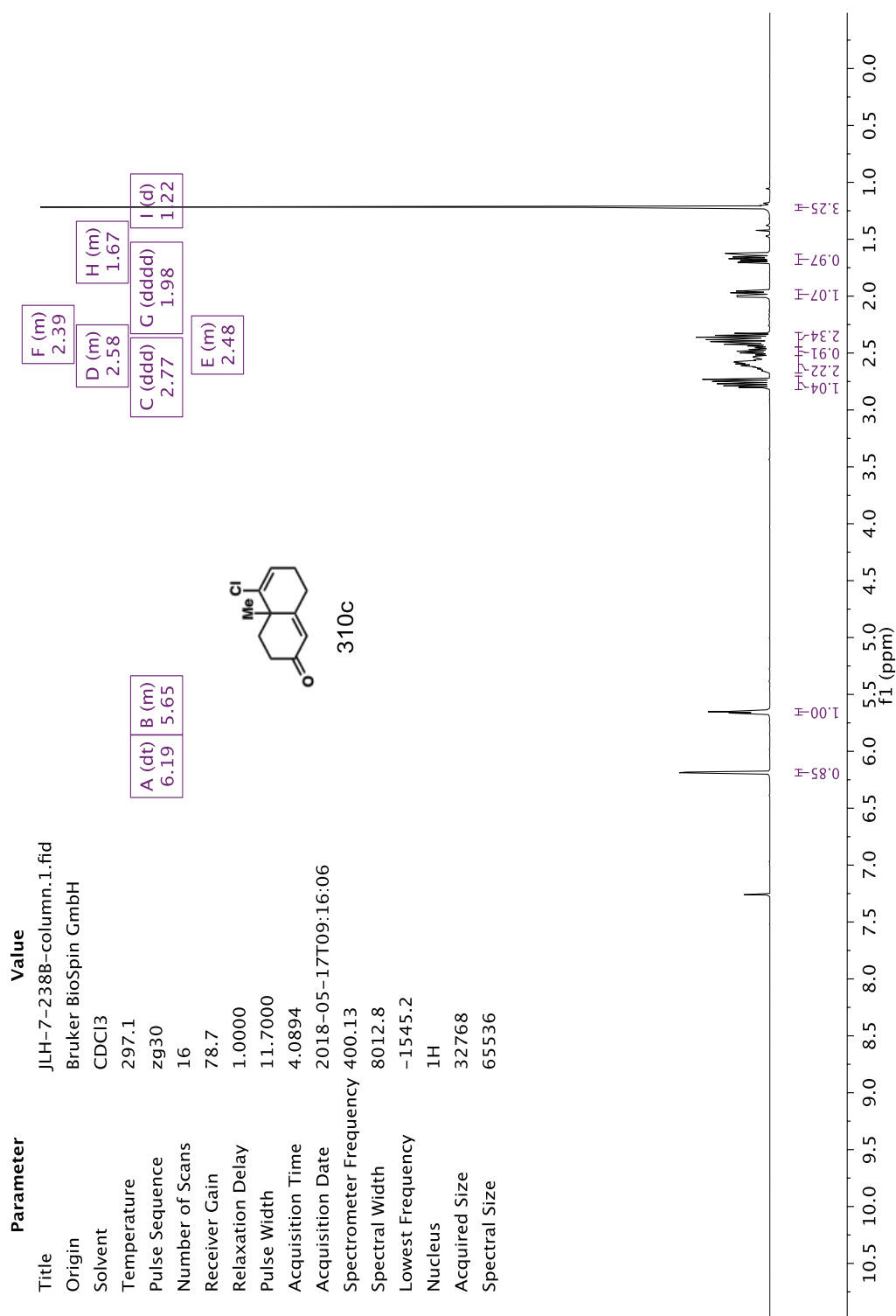


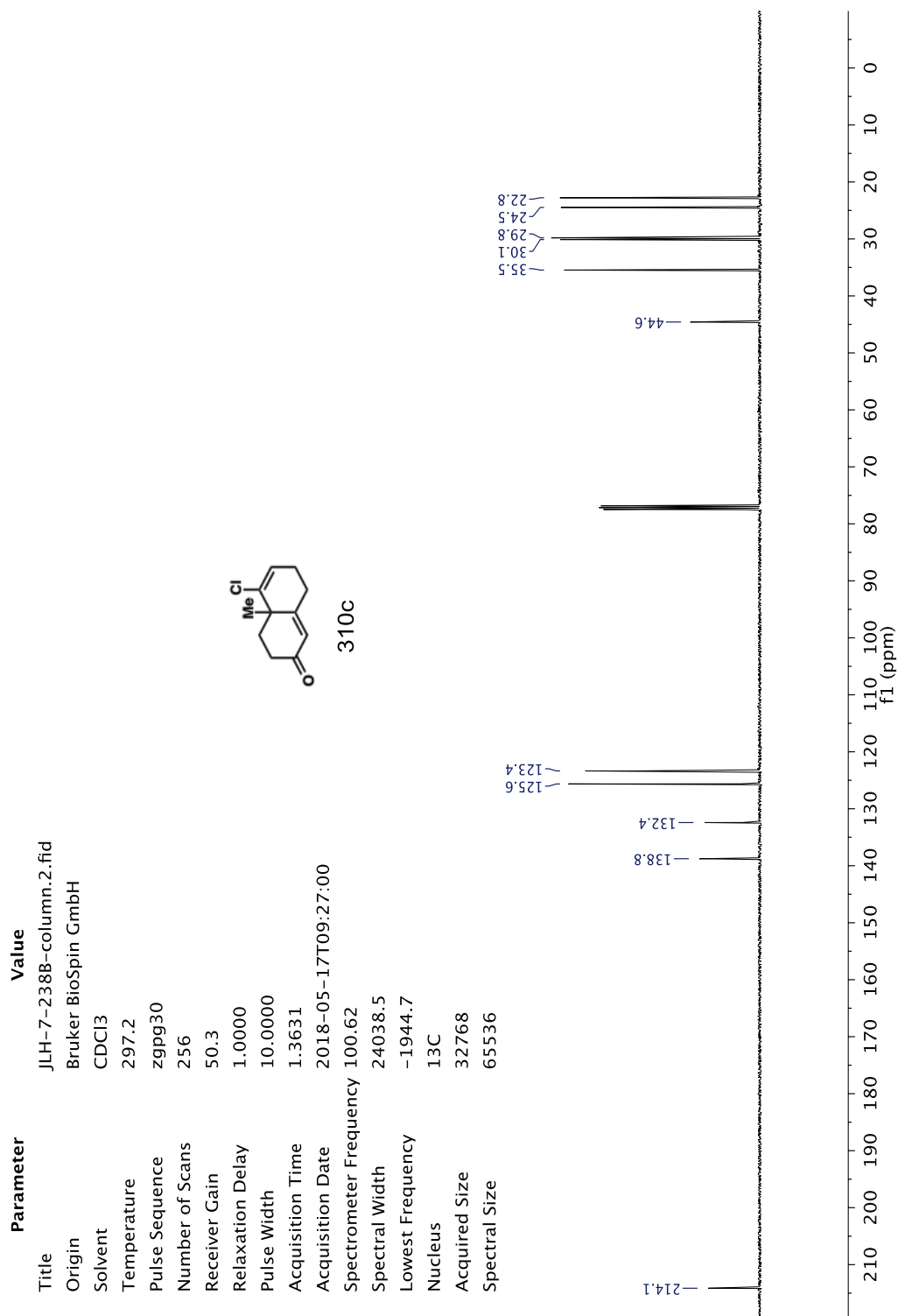


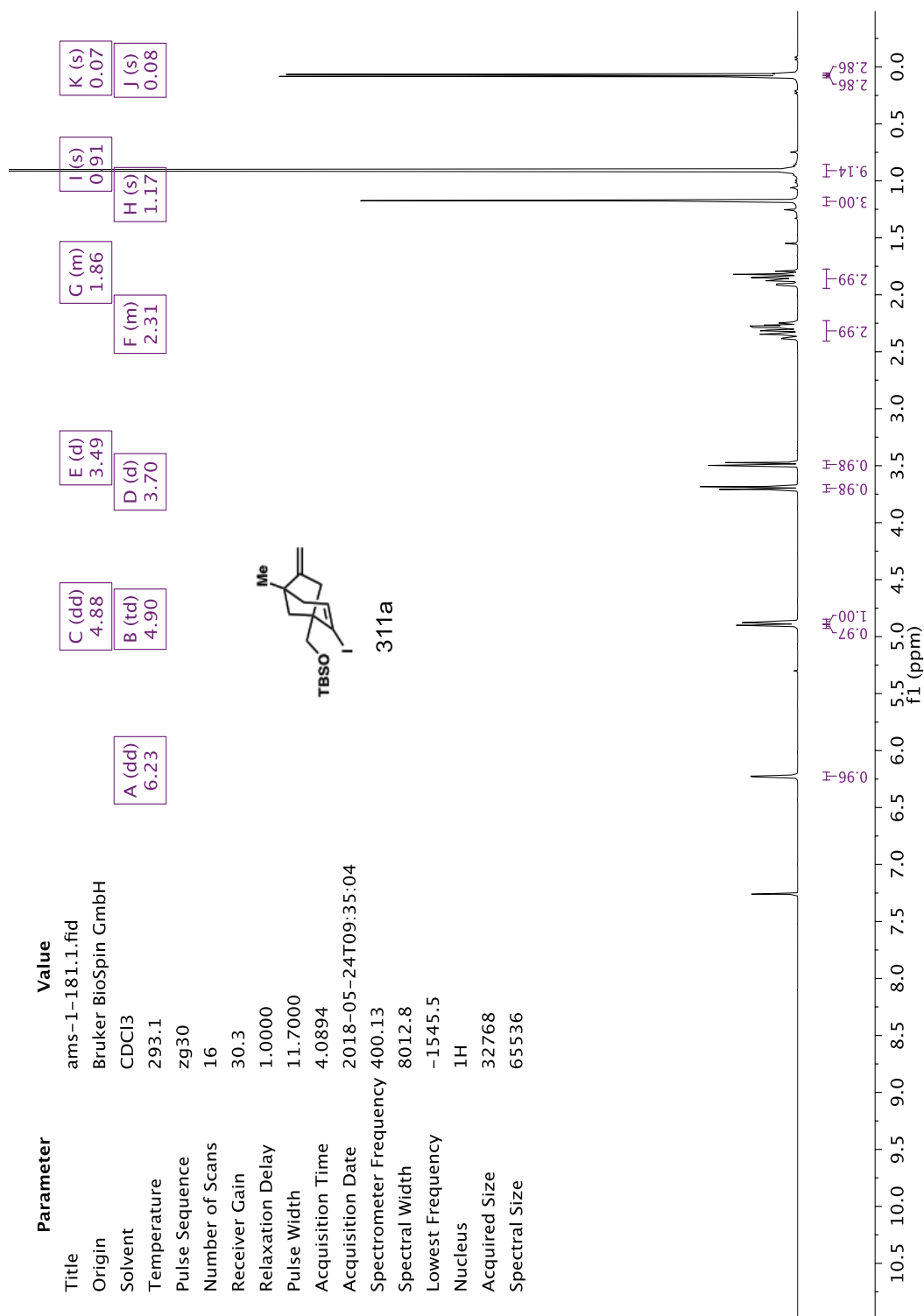


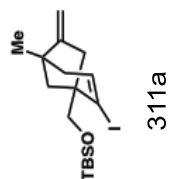


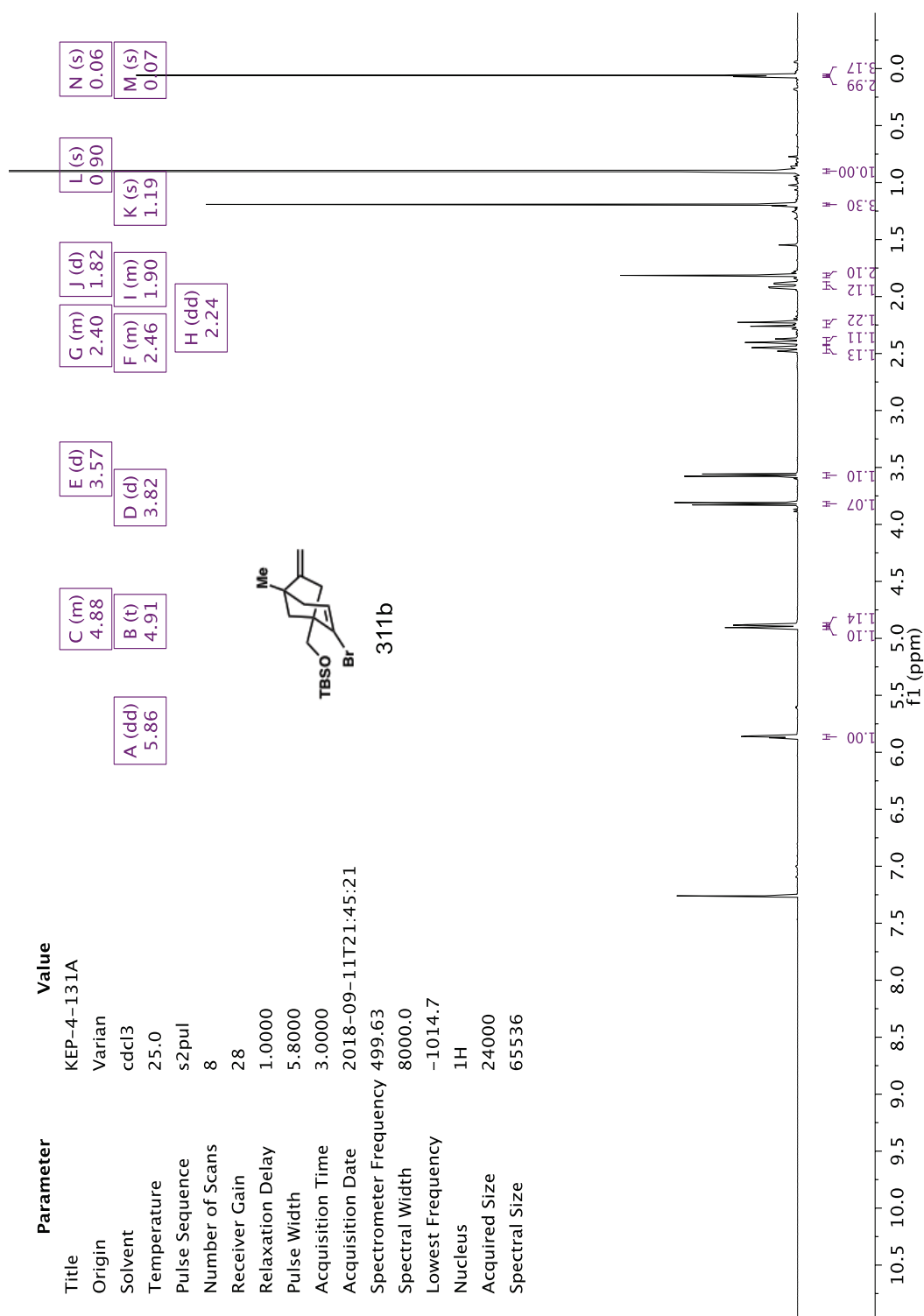


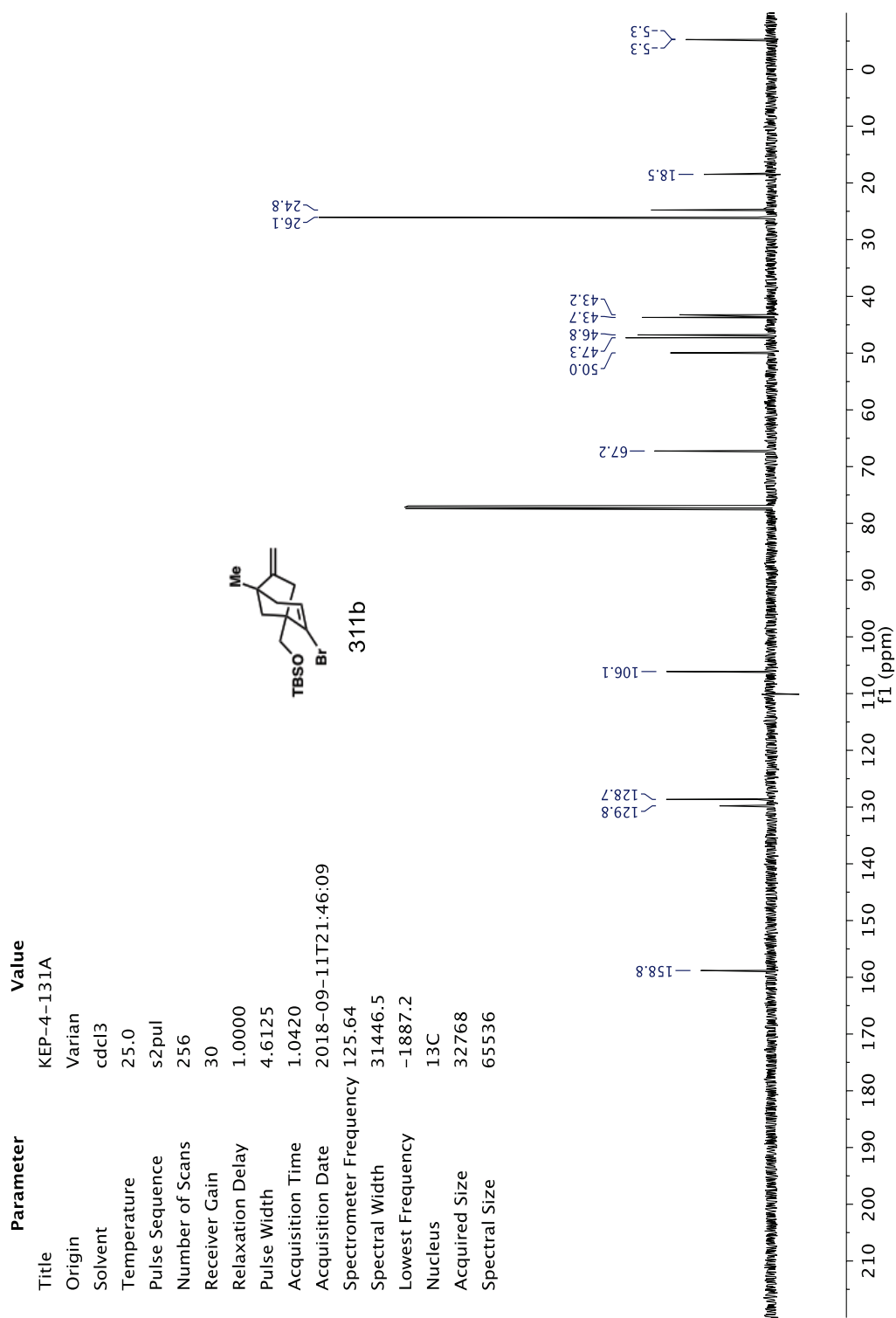


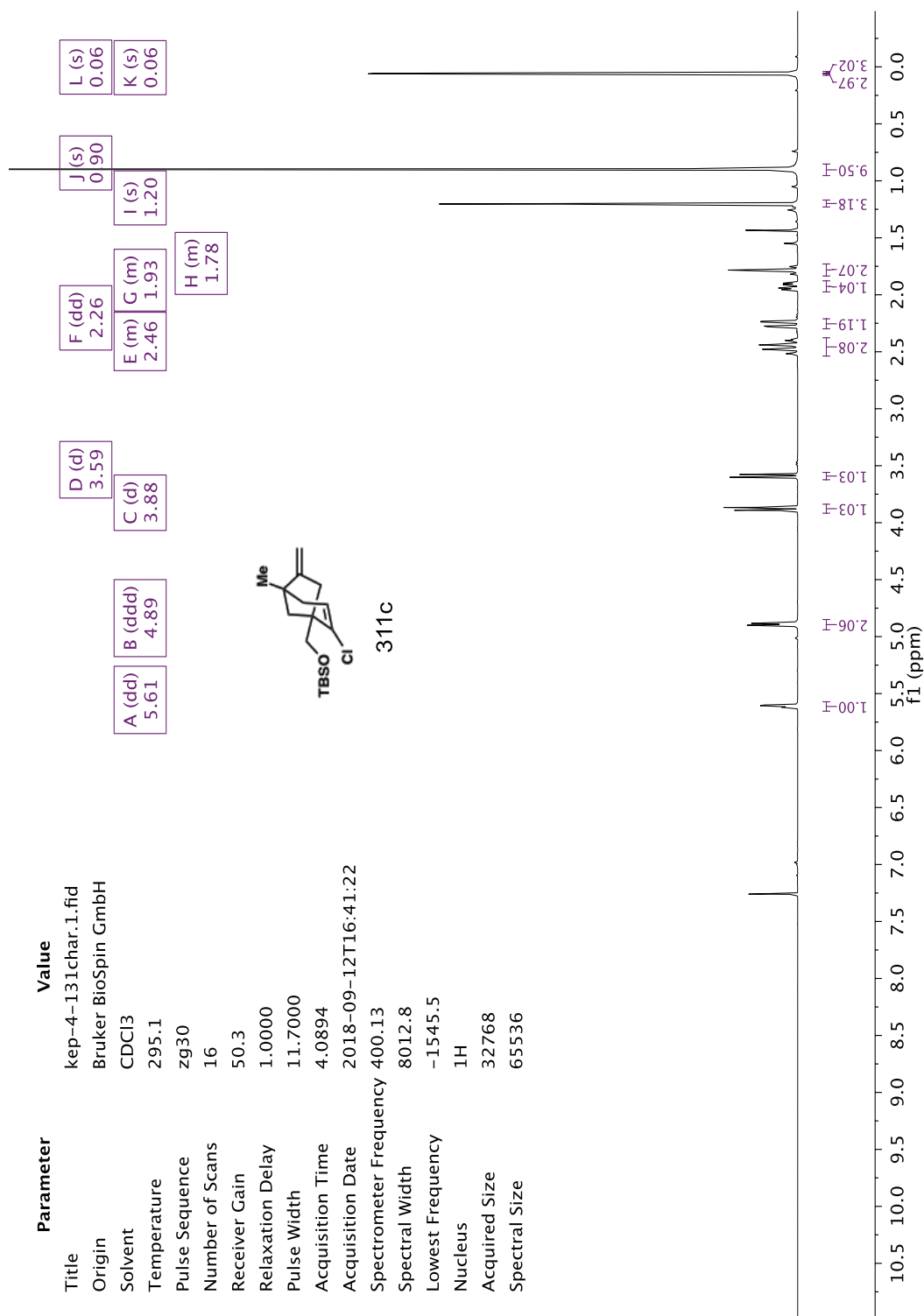


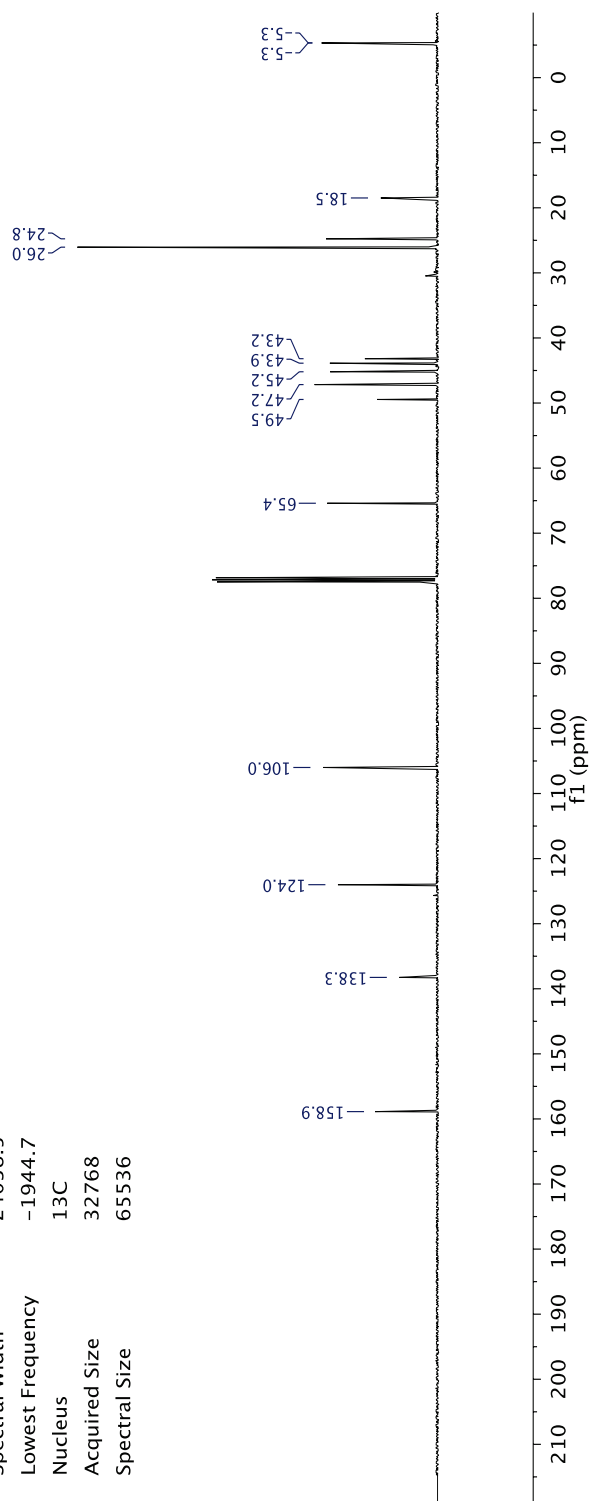
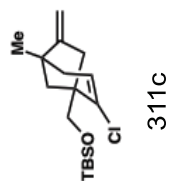


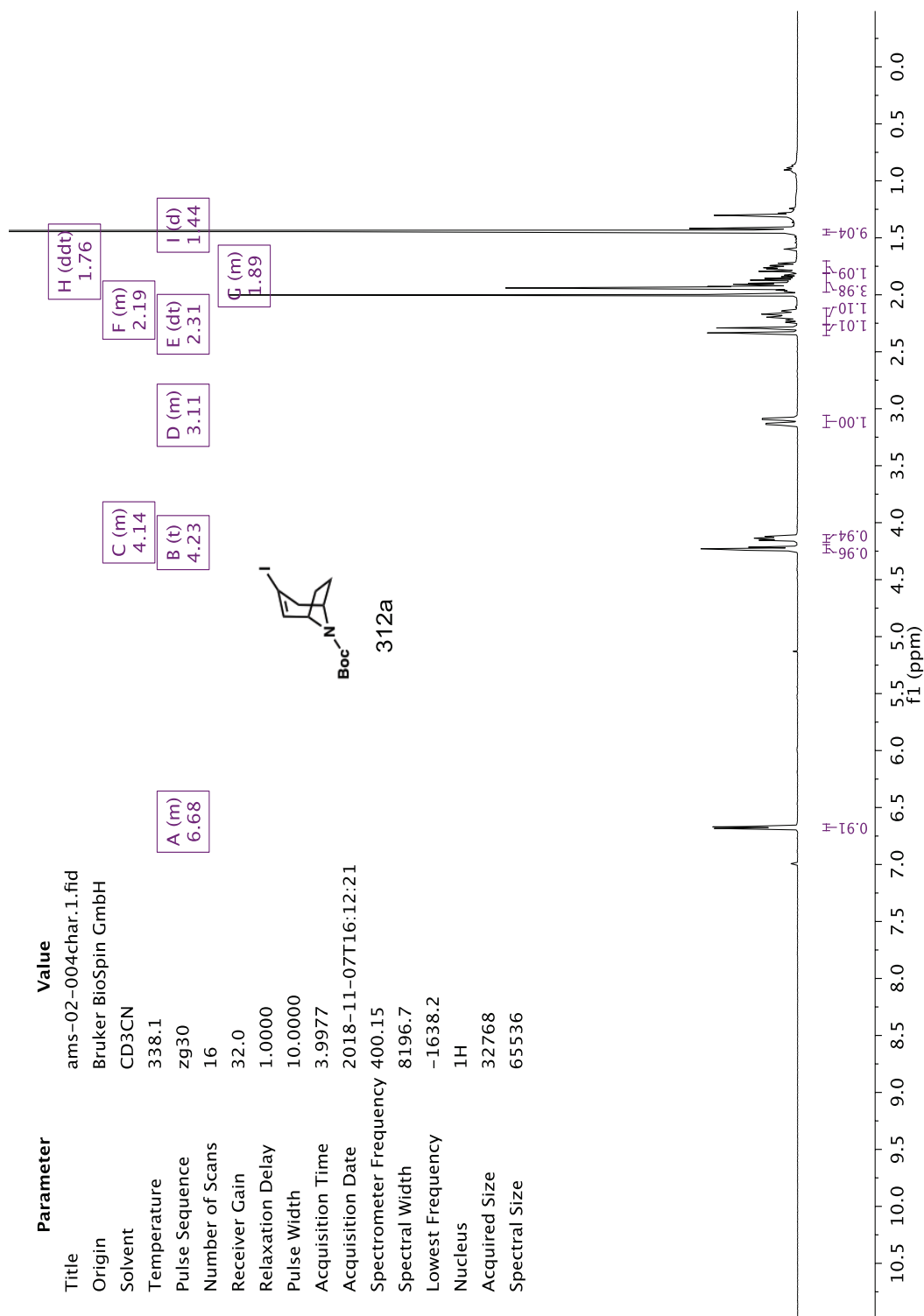


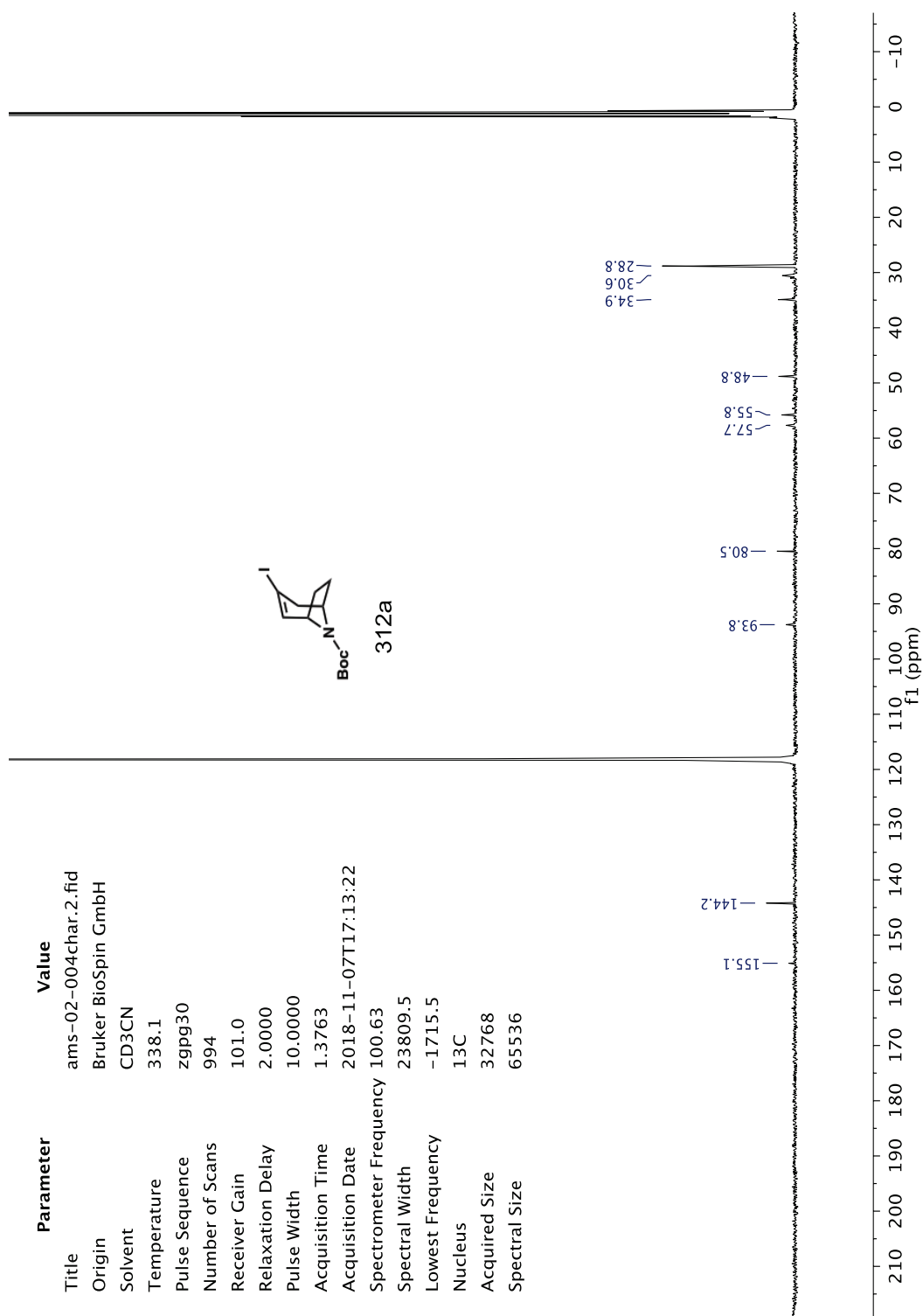


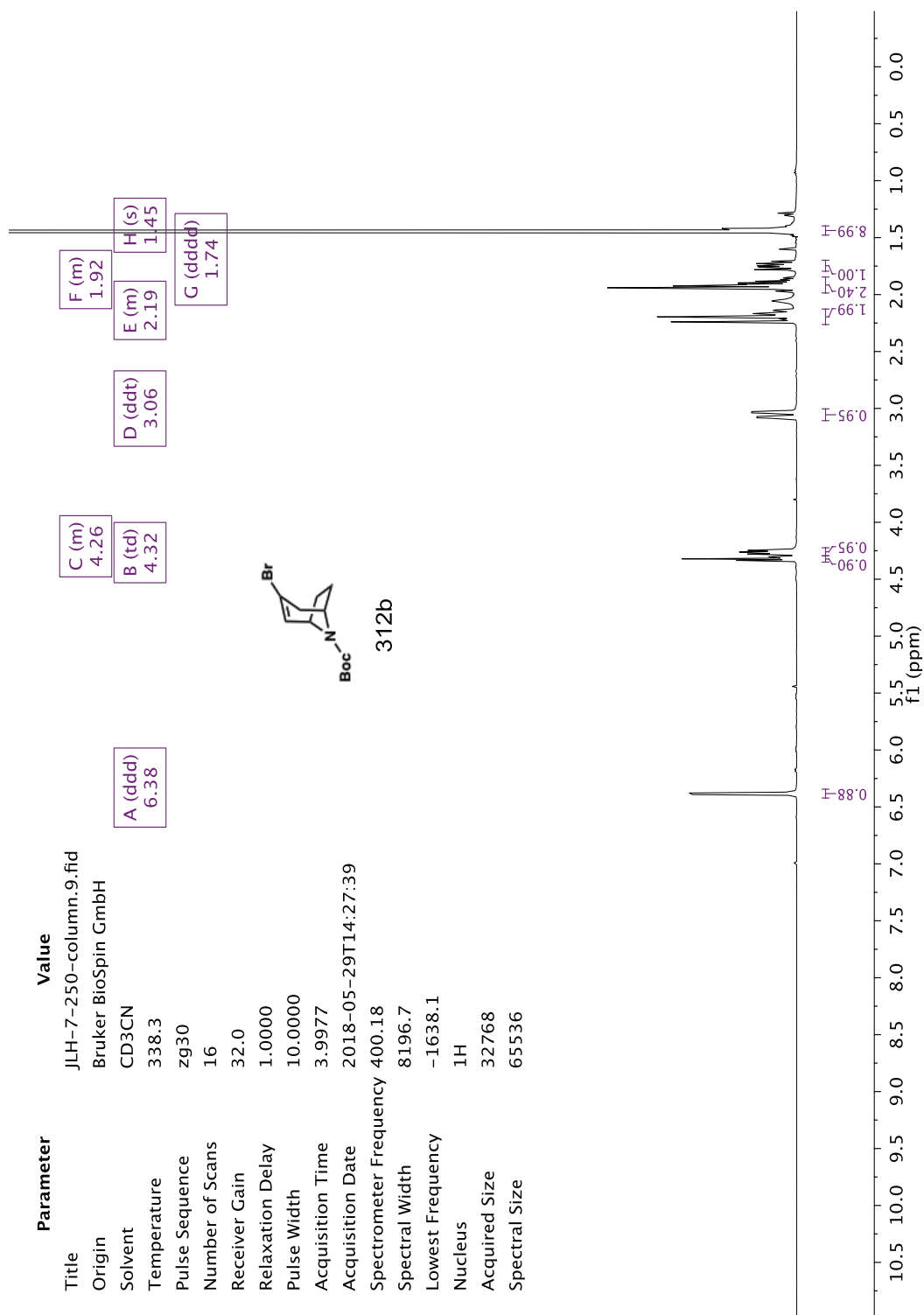


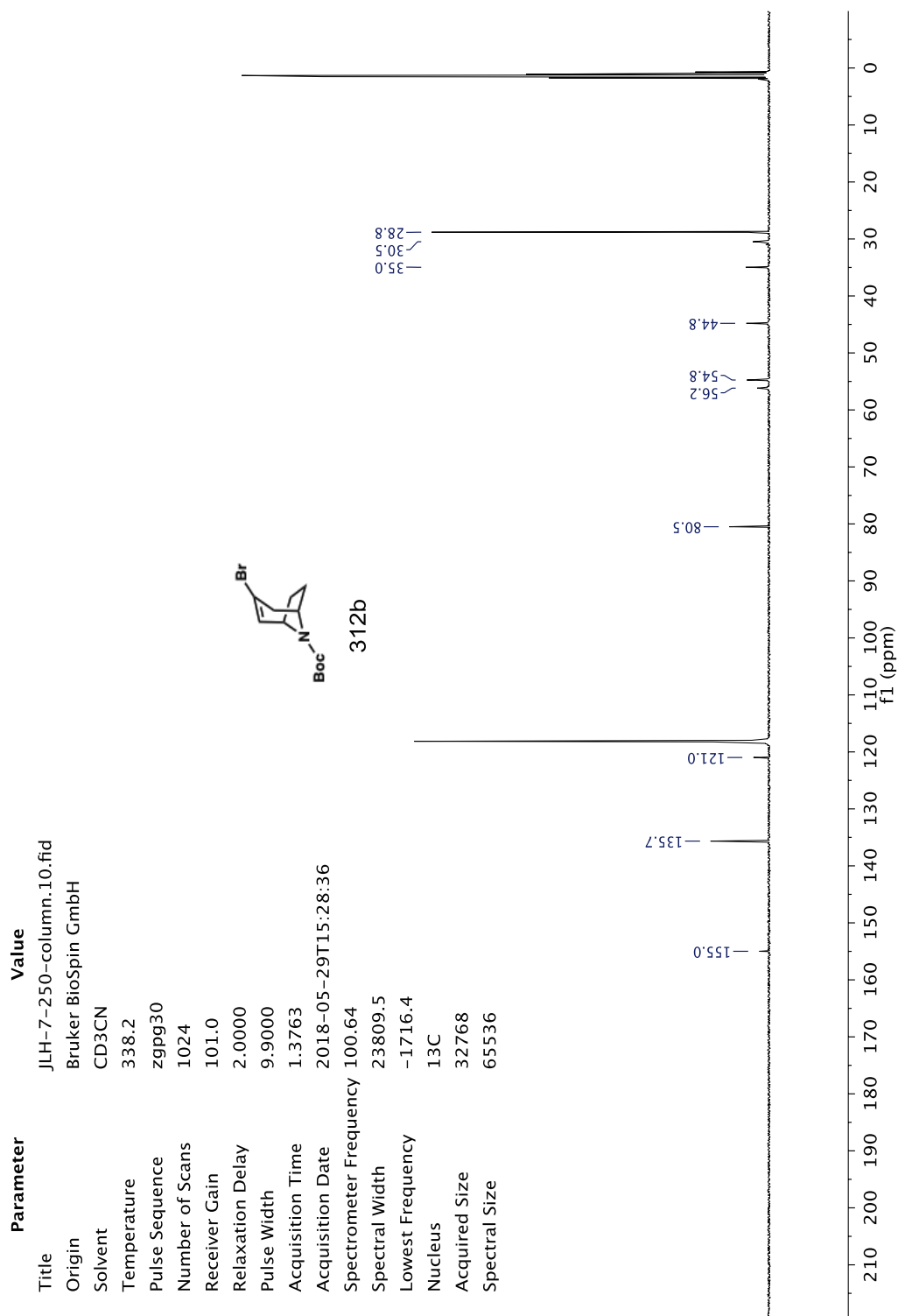


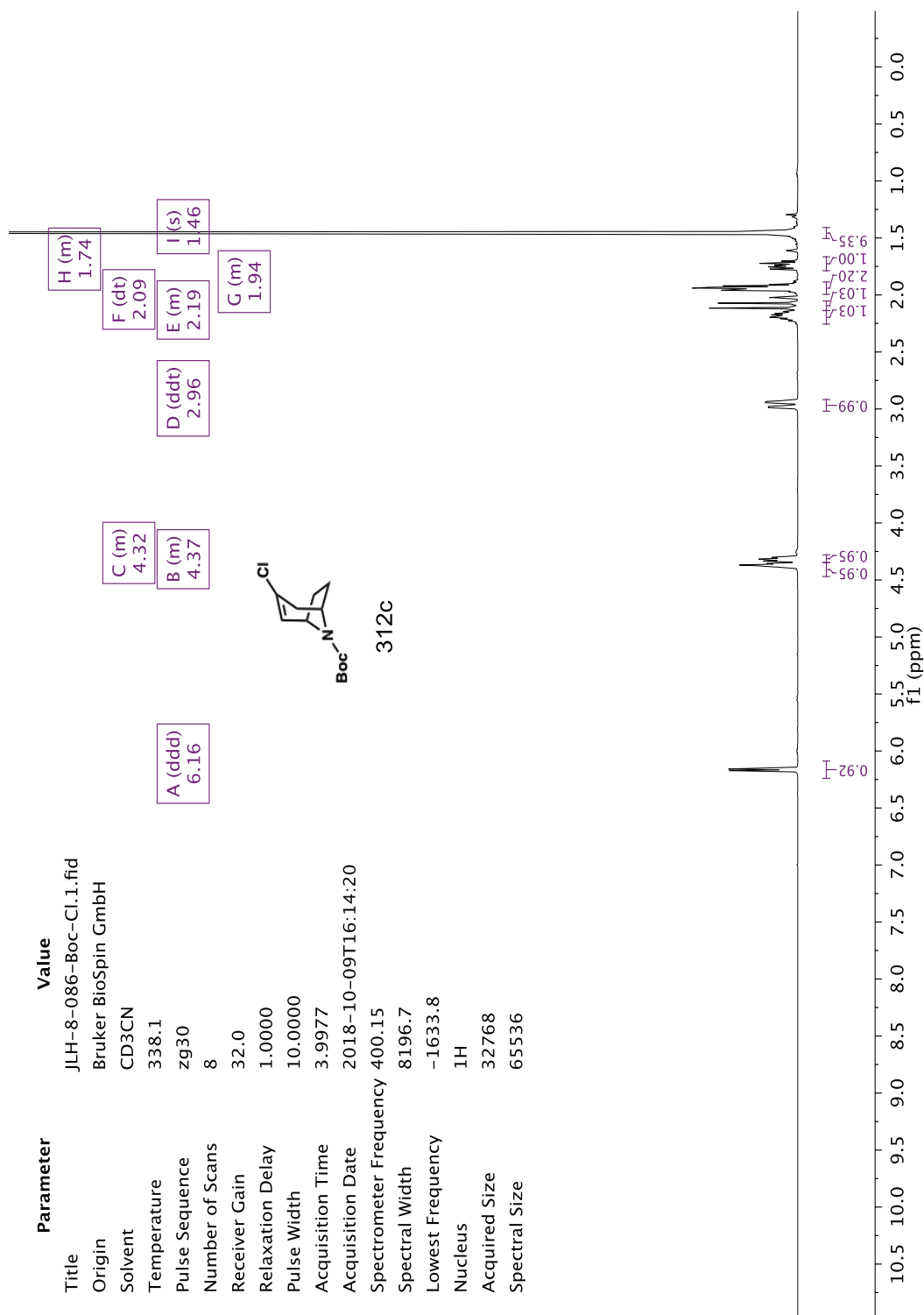
Value

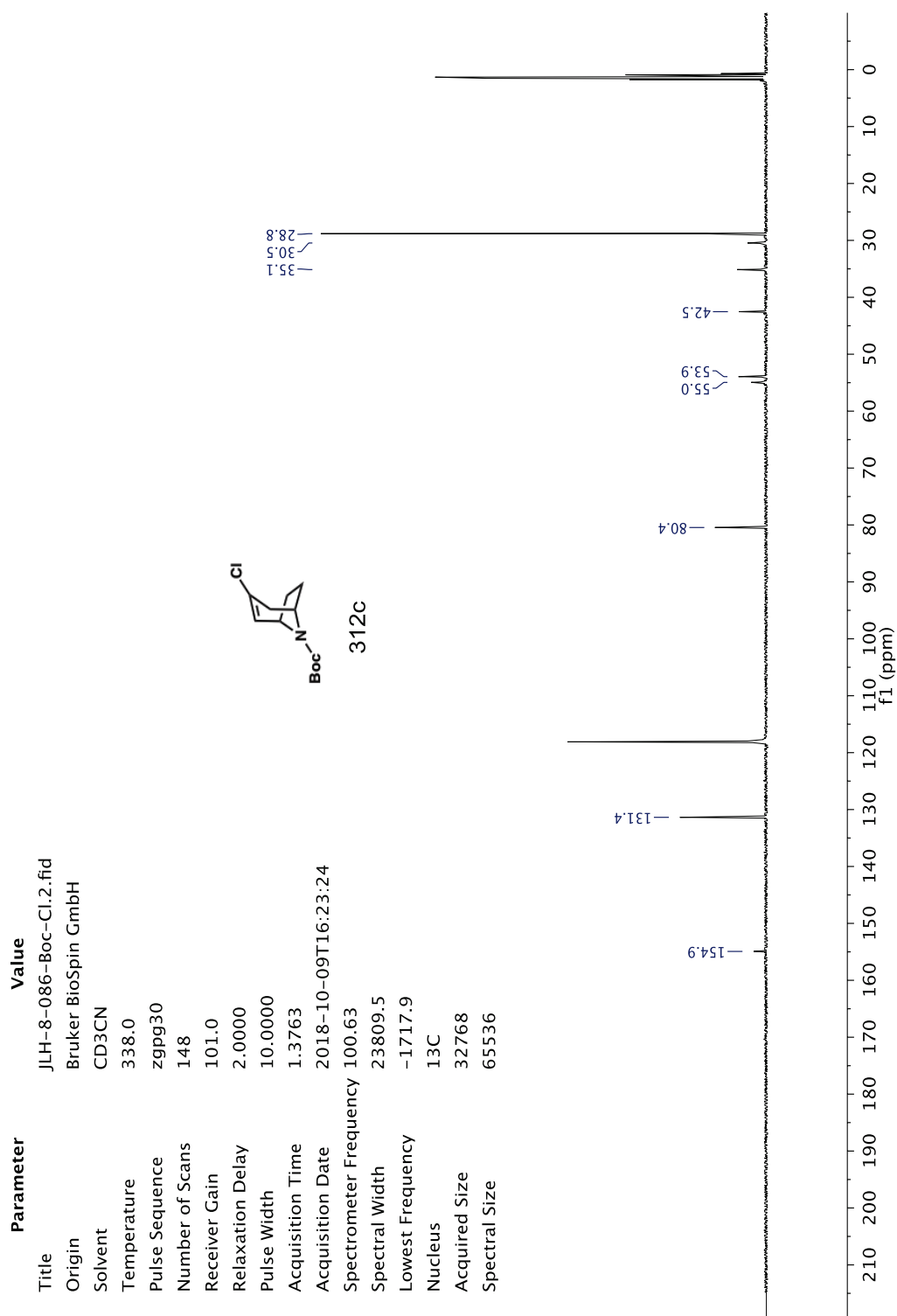


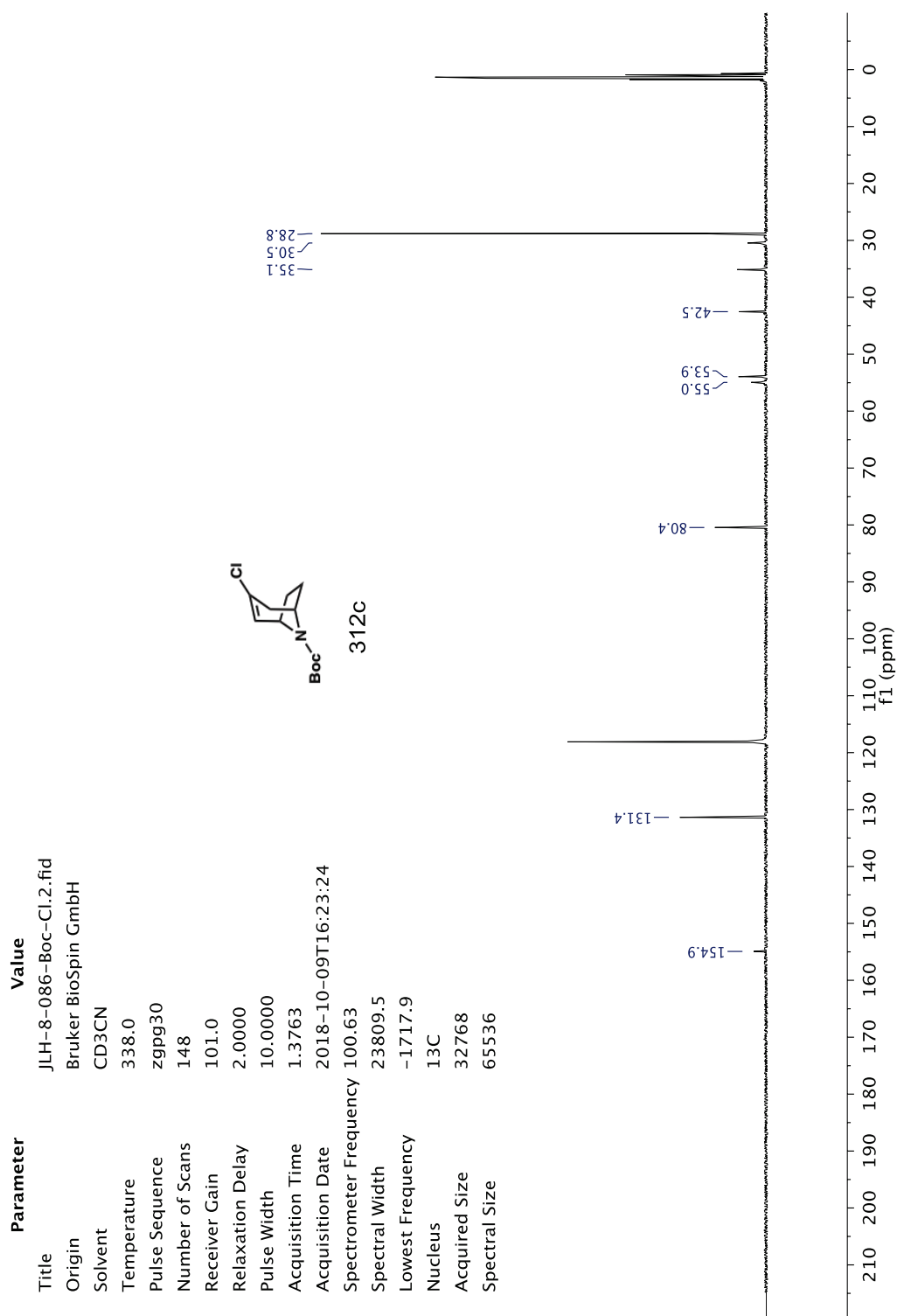


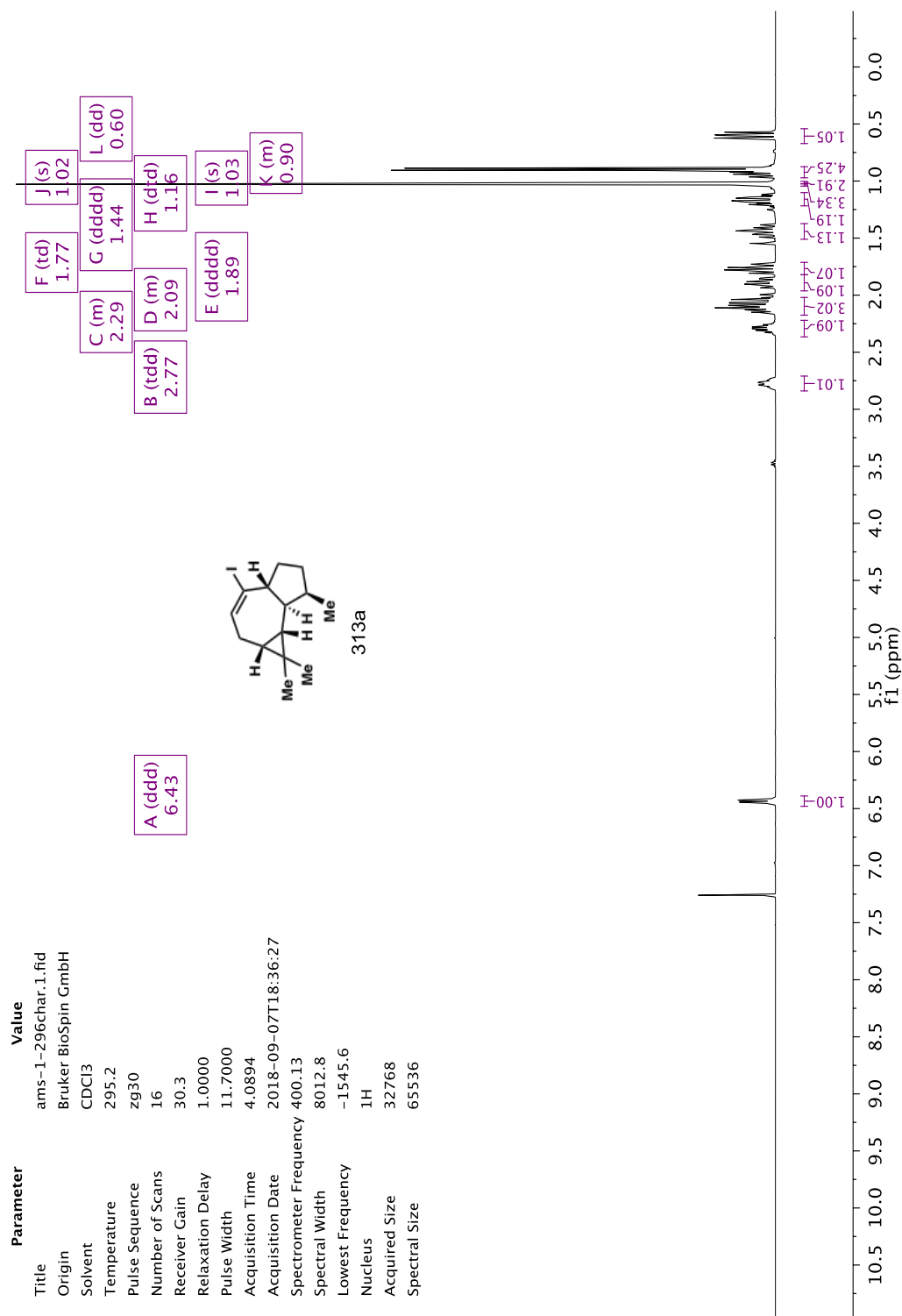


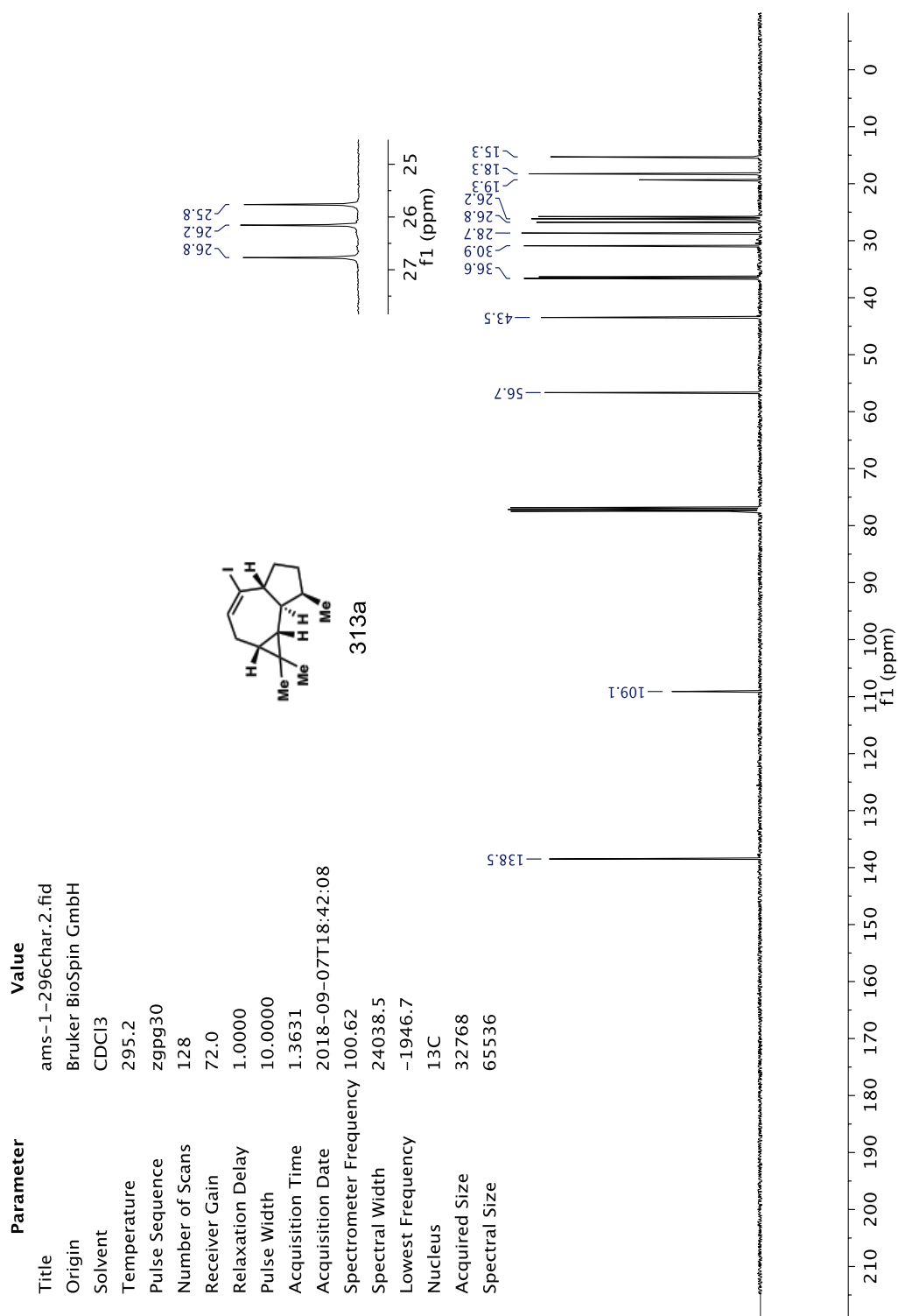


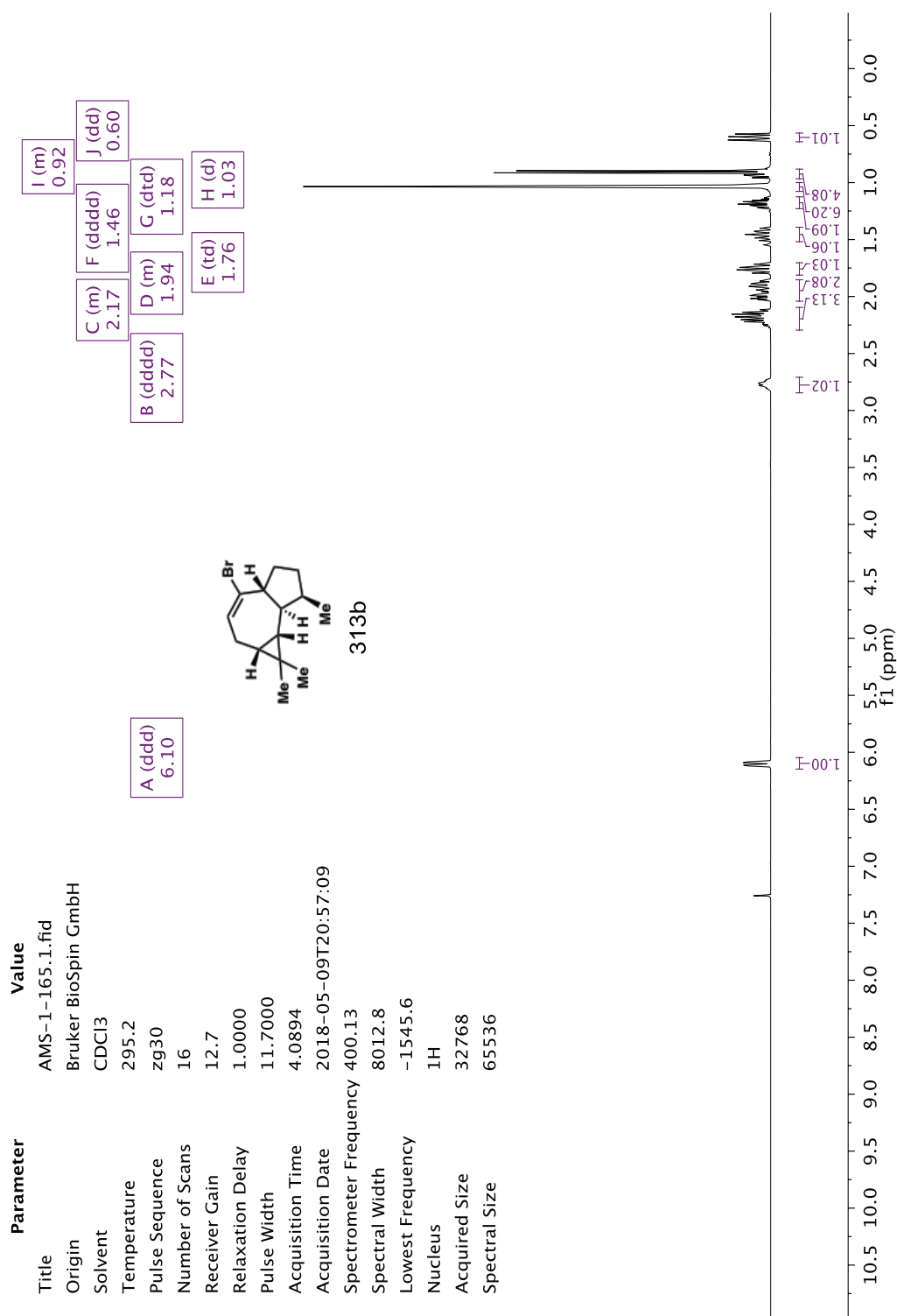


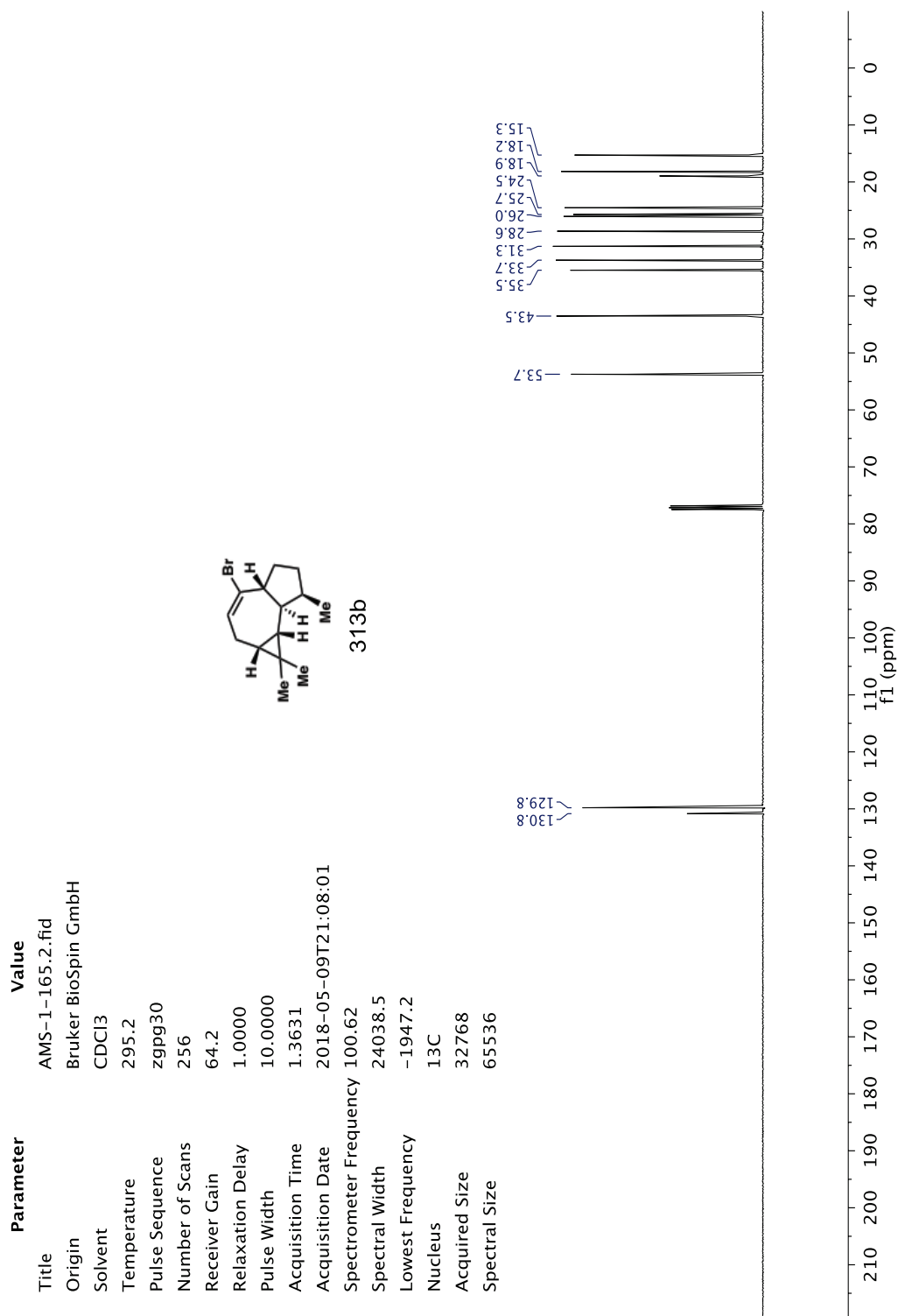


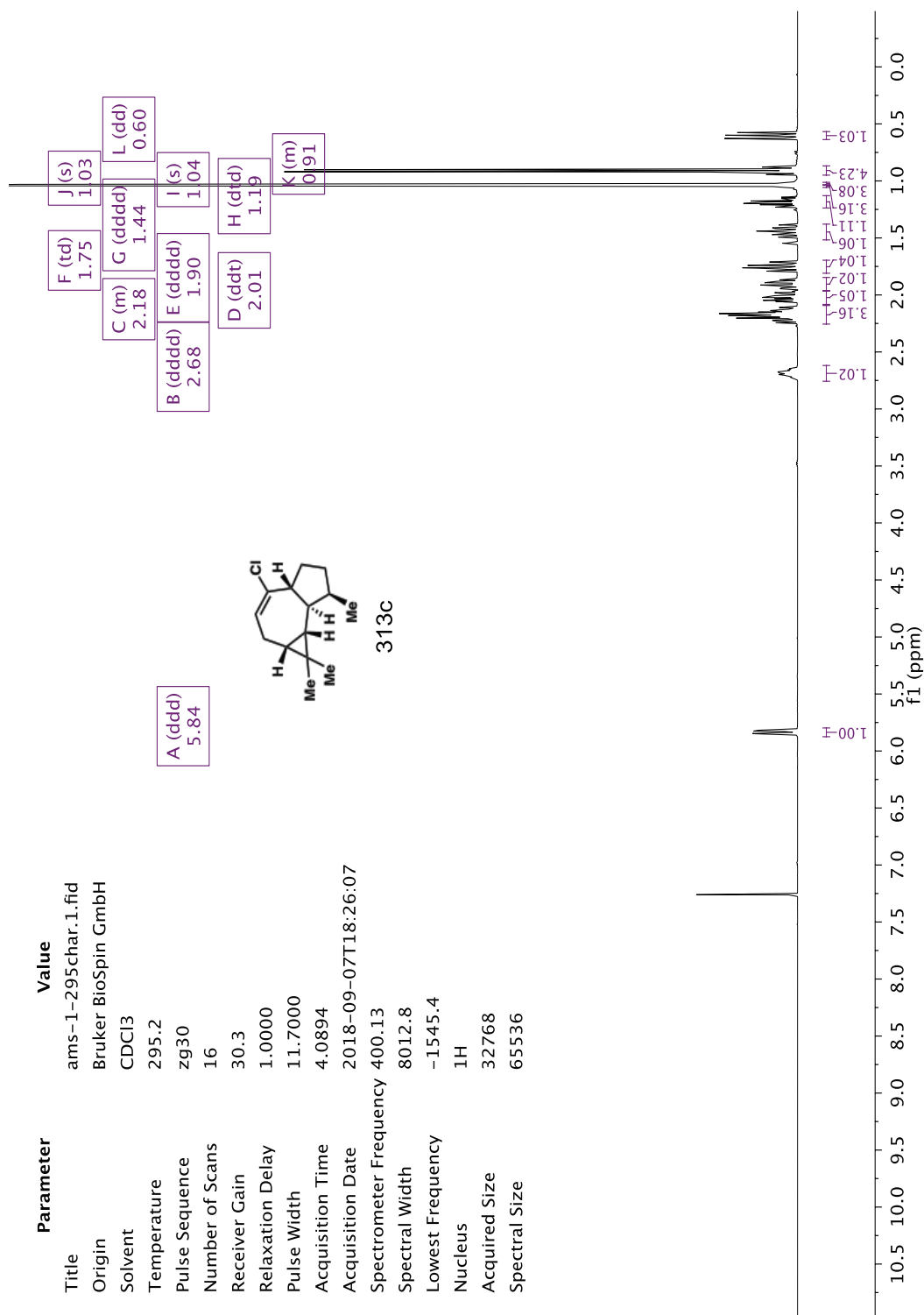


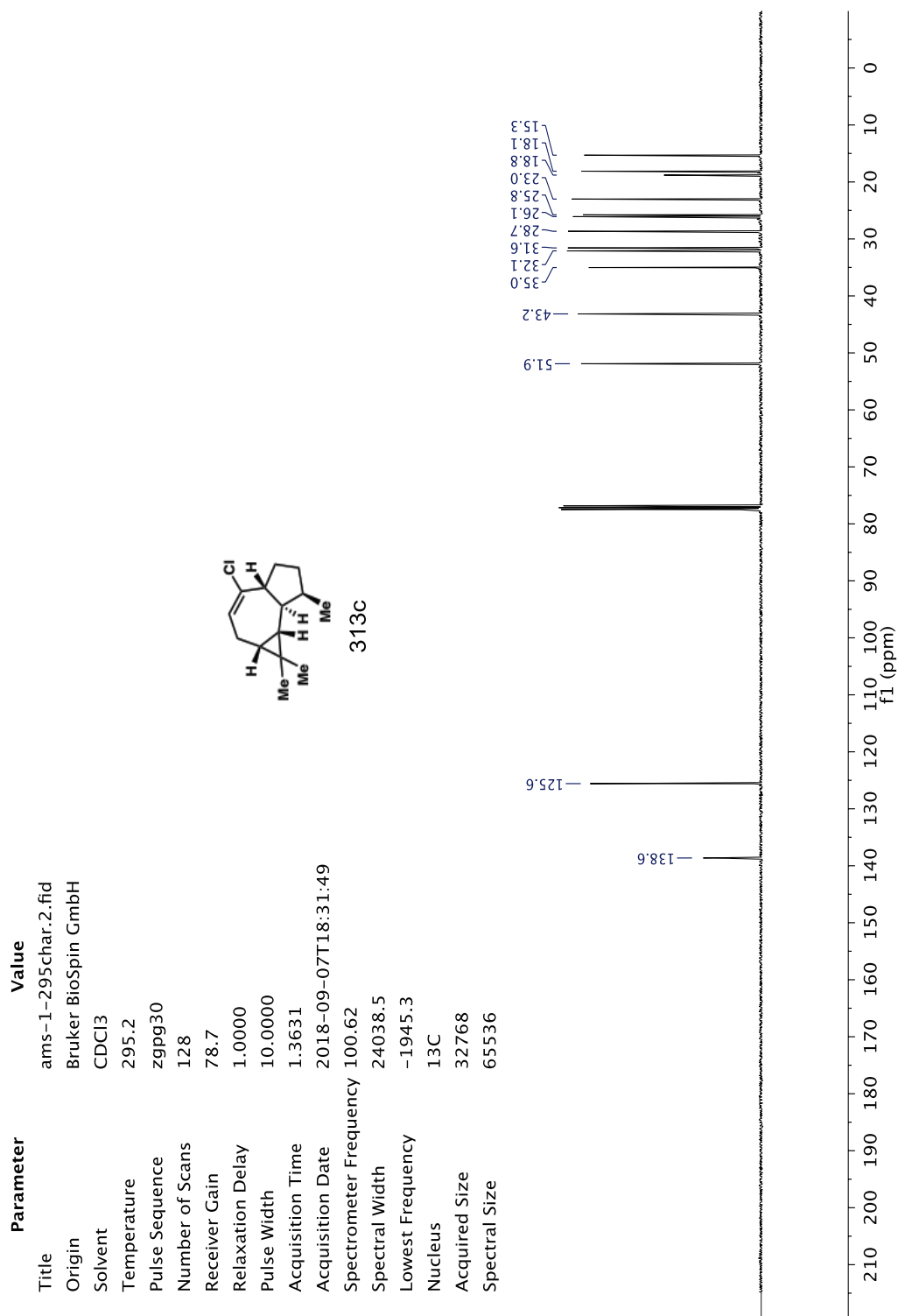


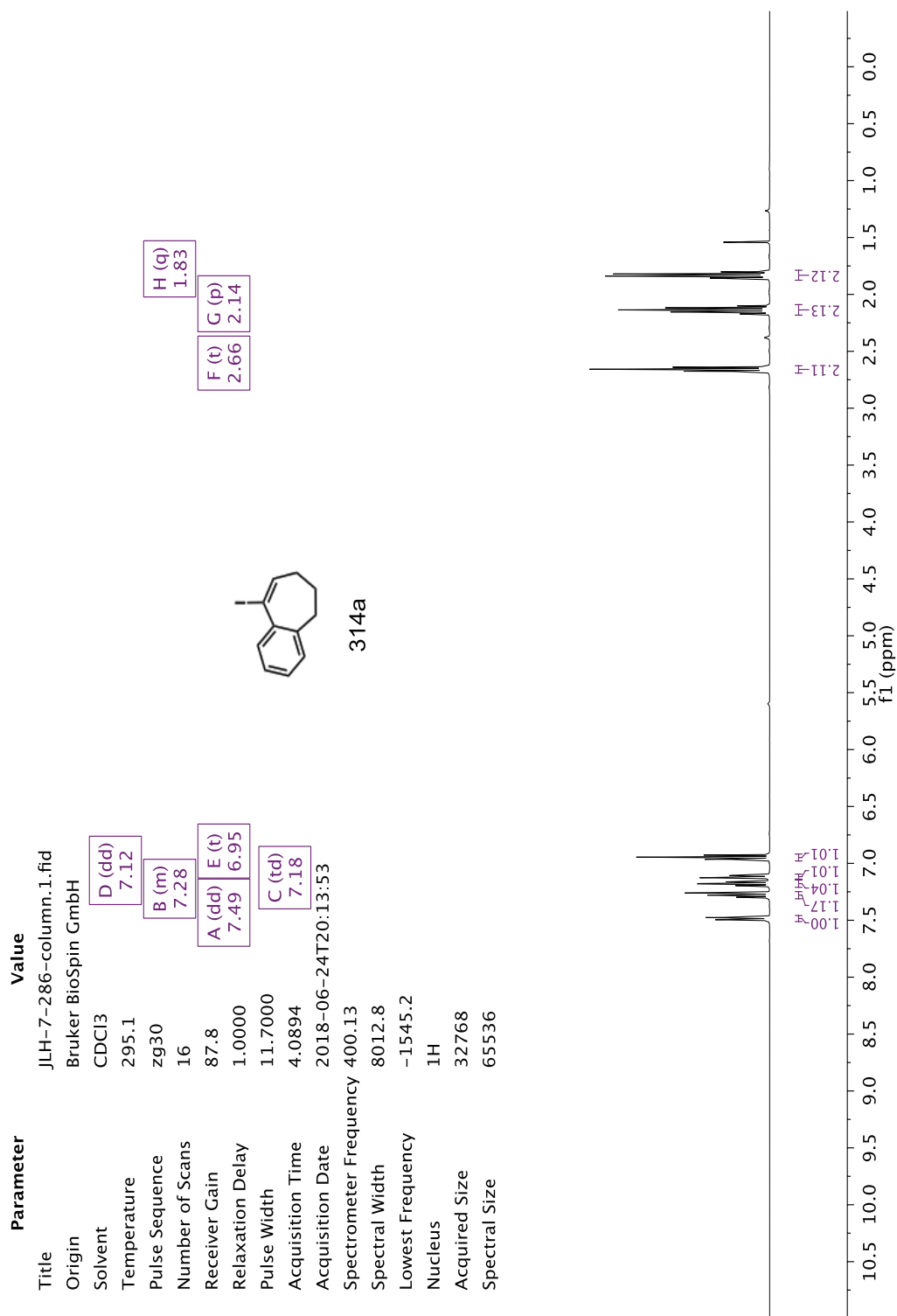


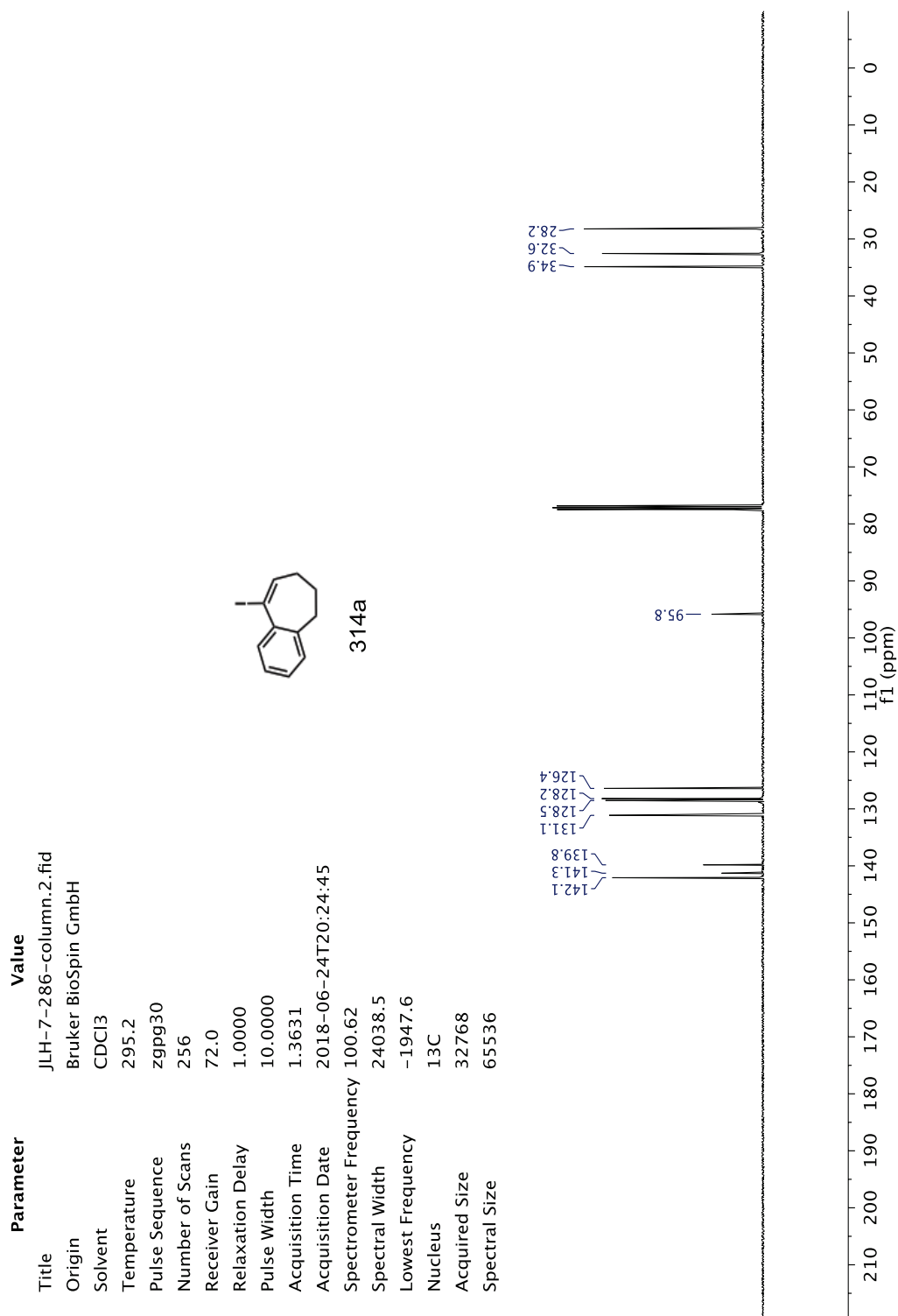


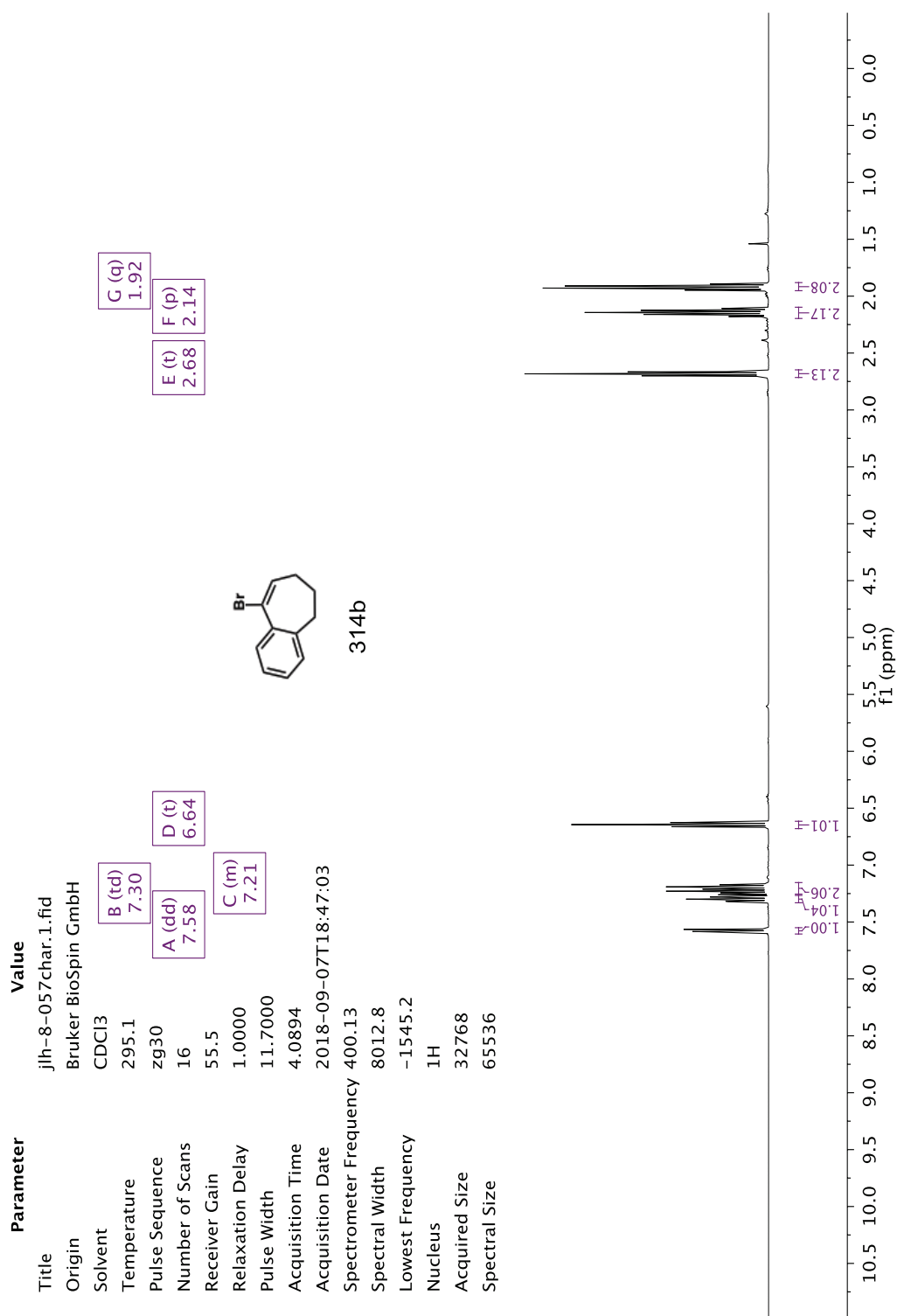


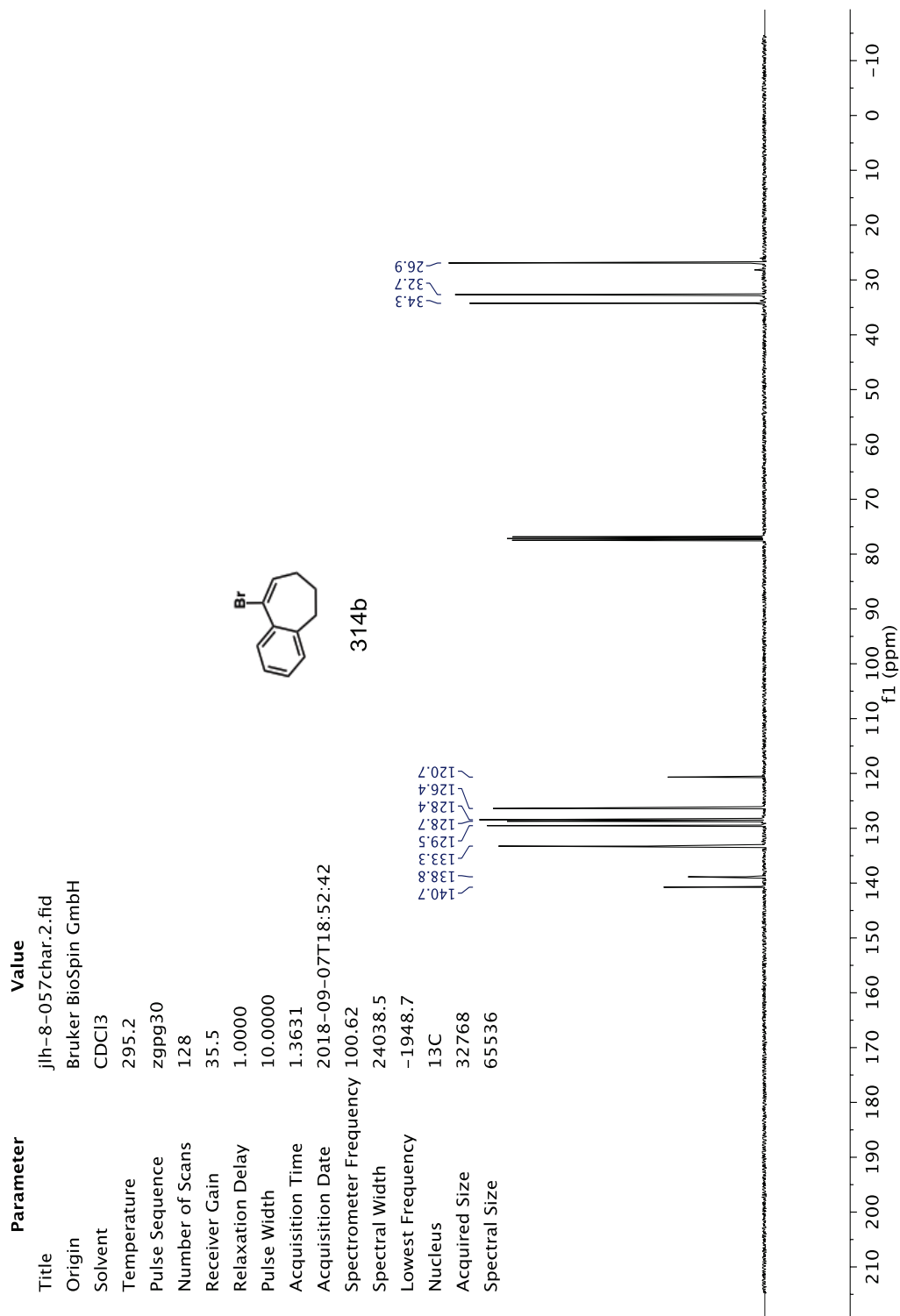


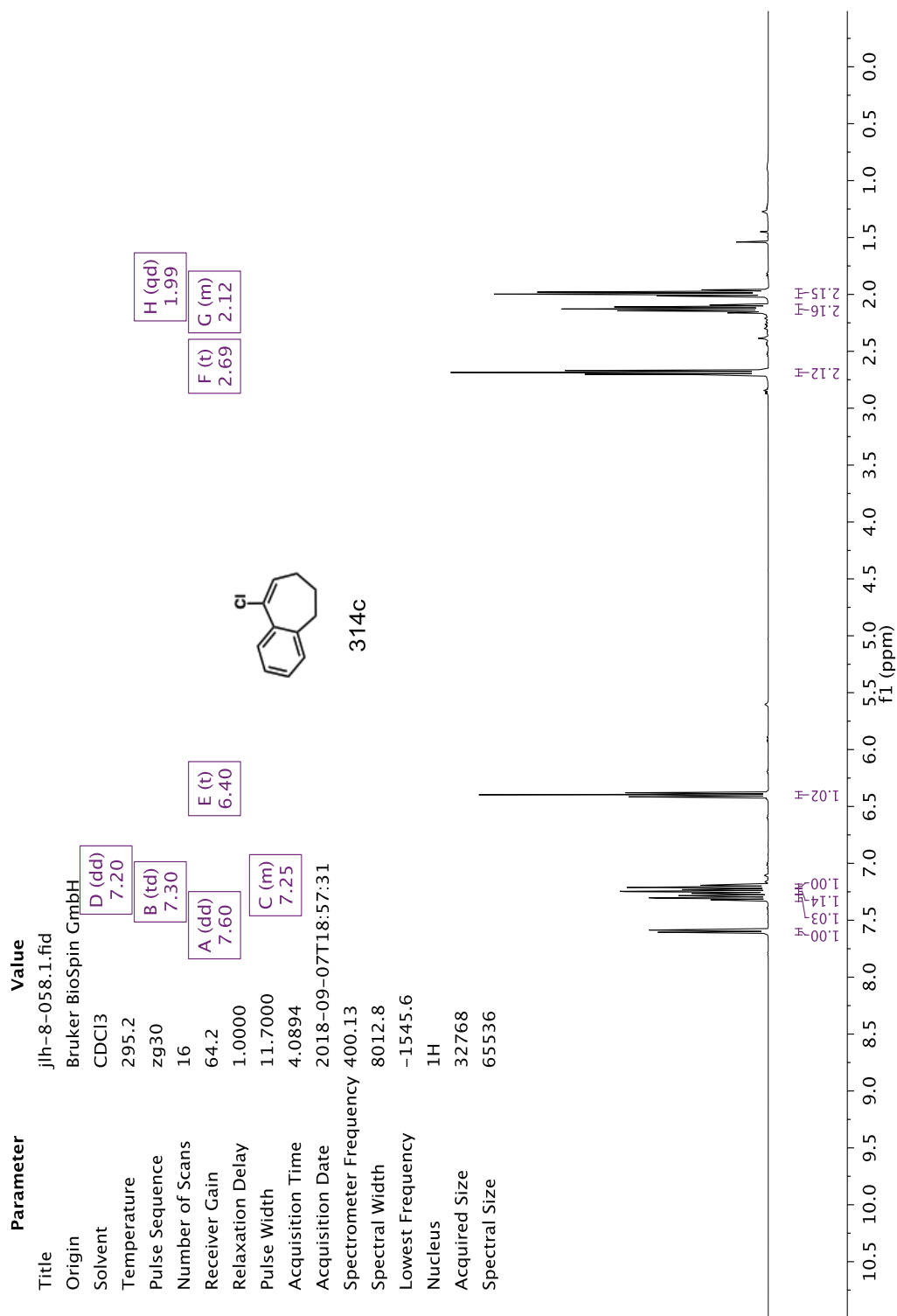


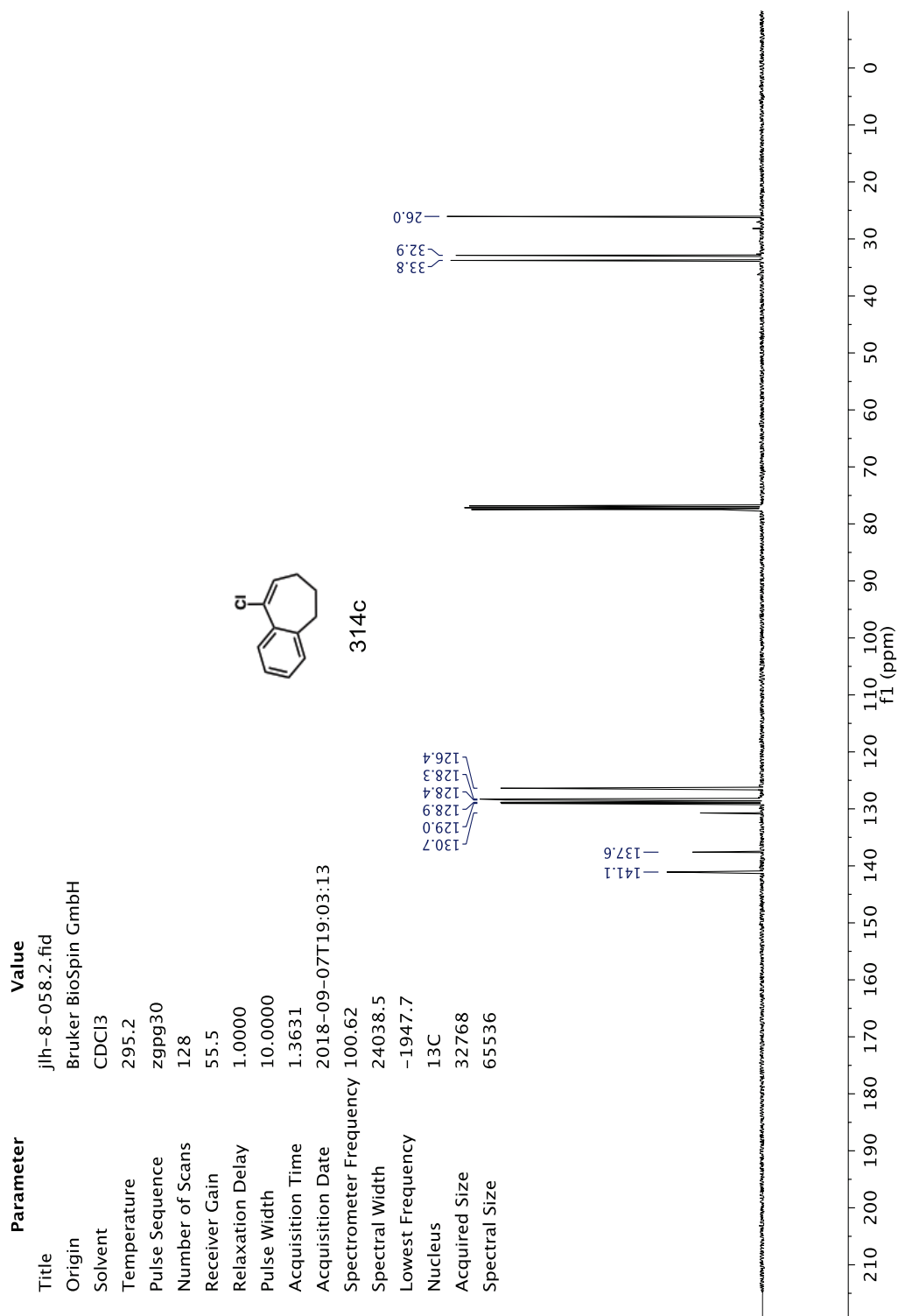


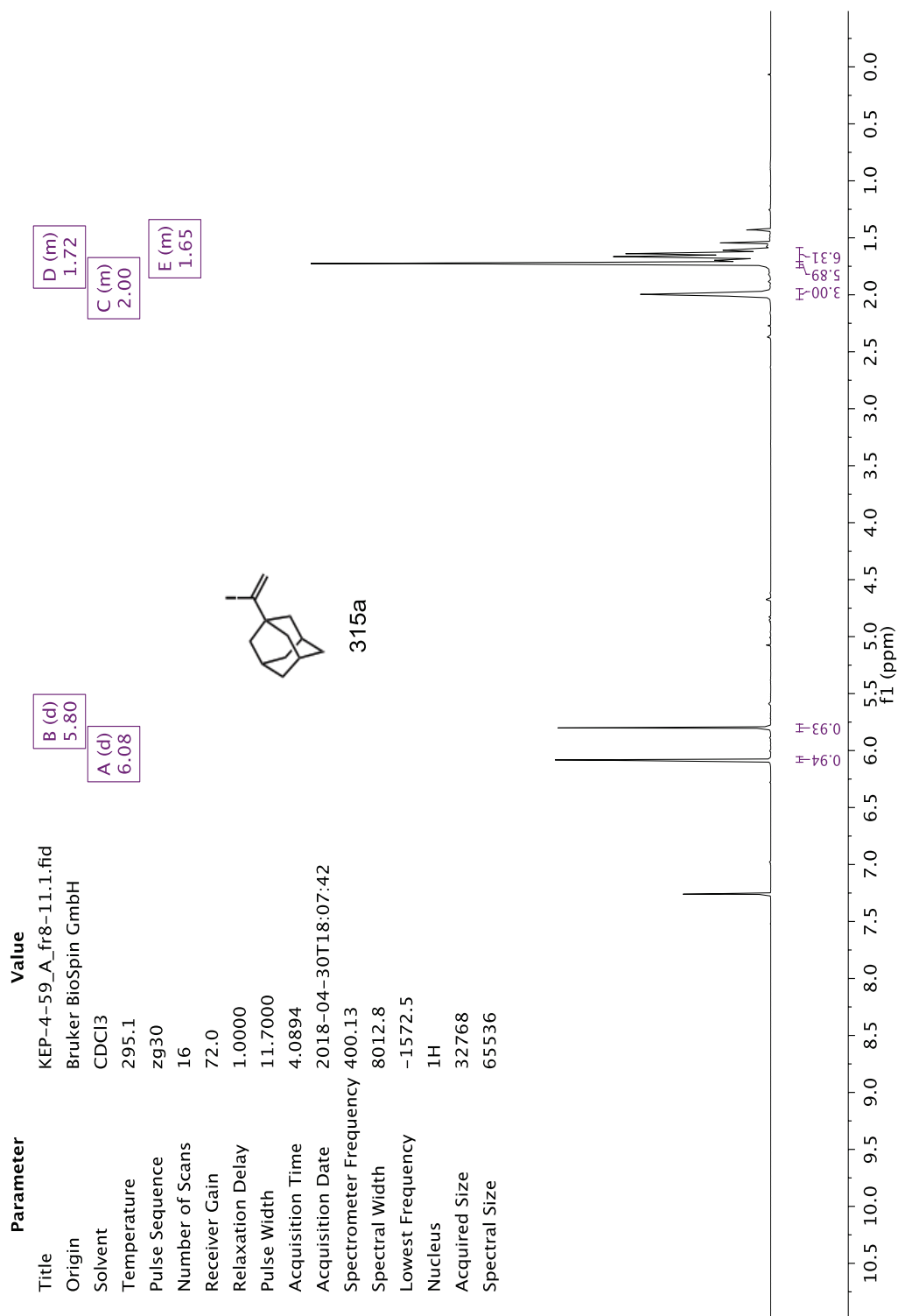




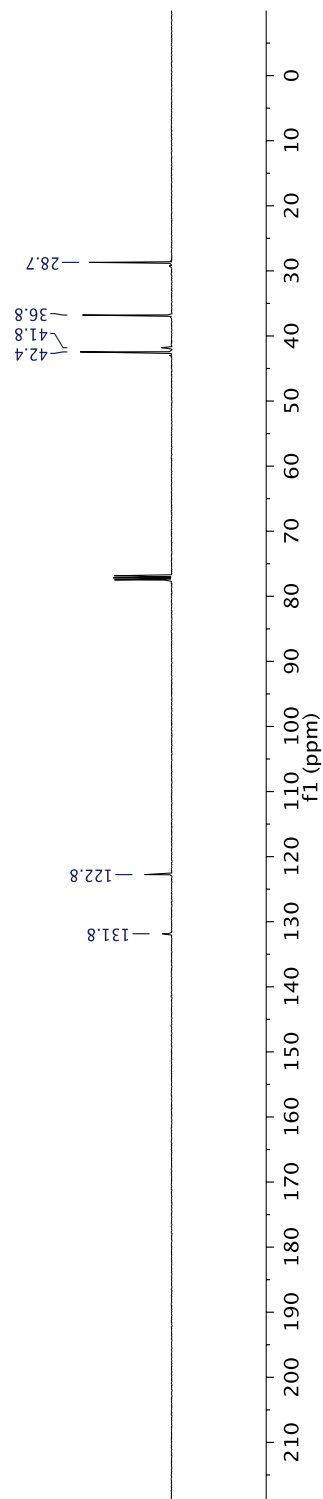
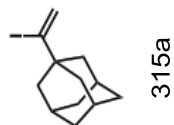


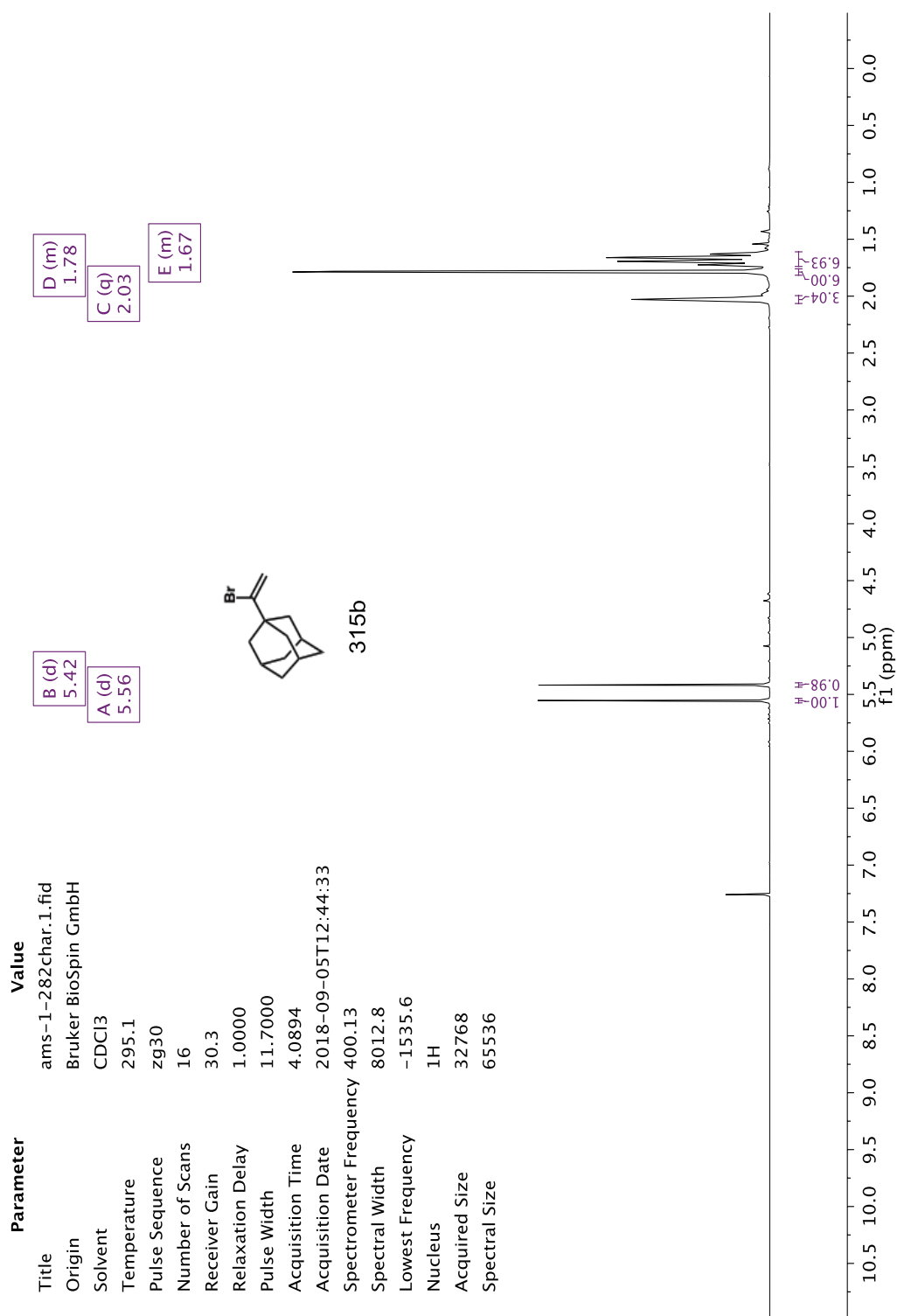


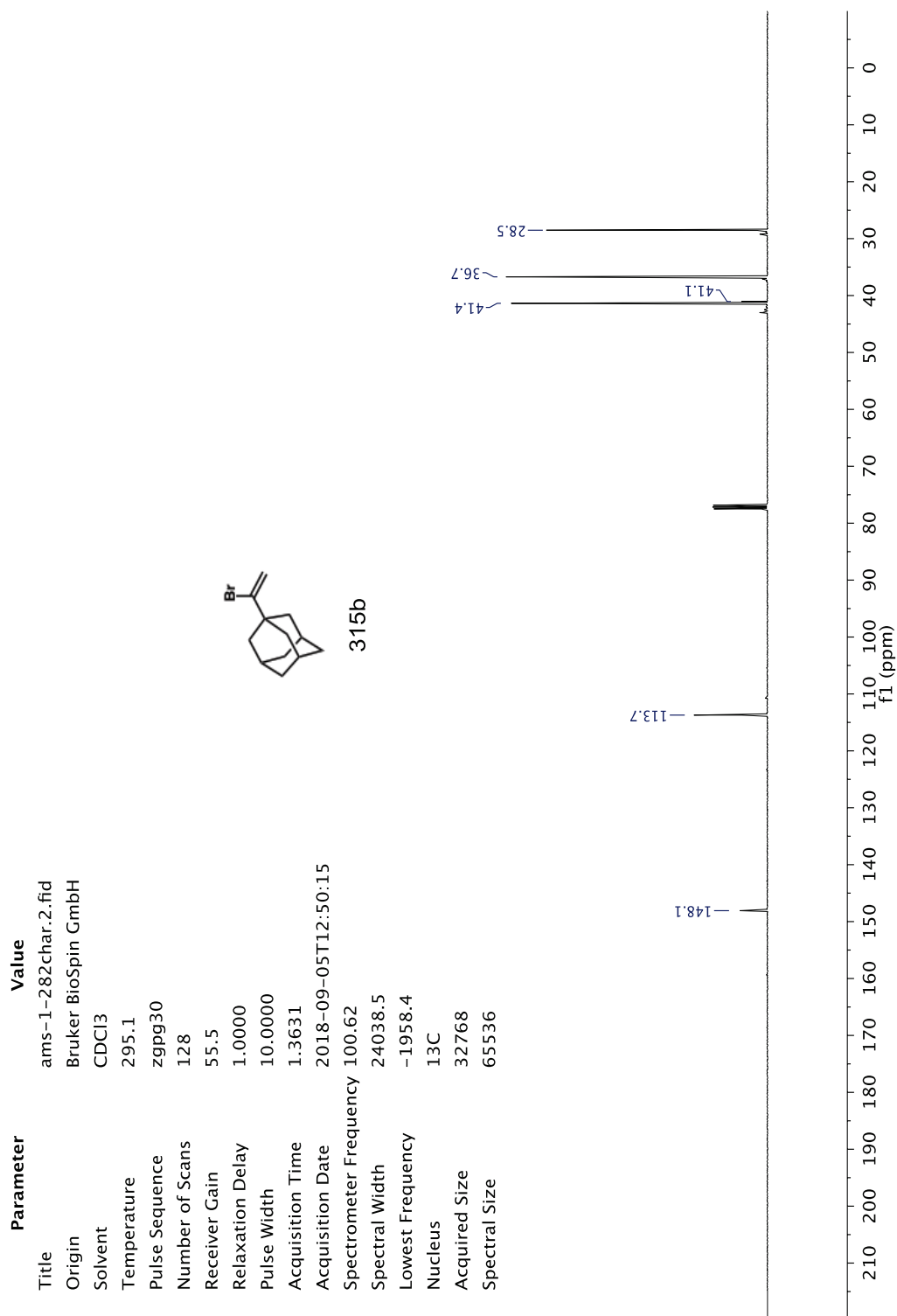


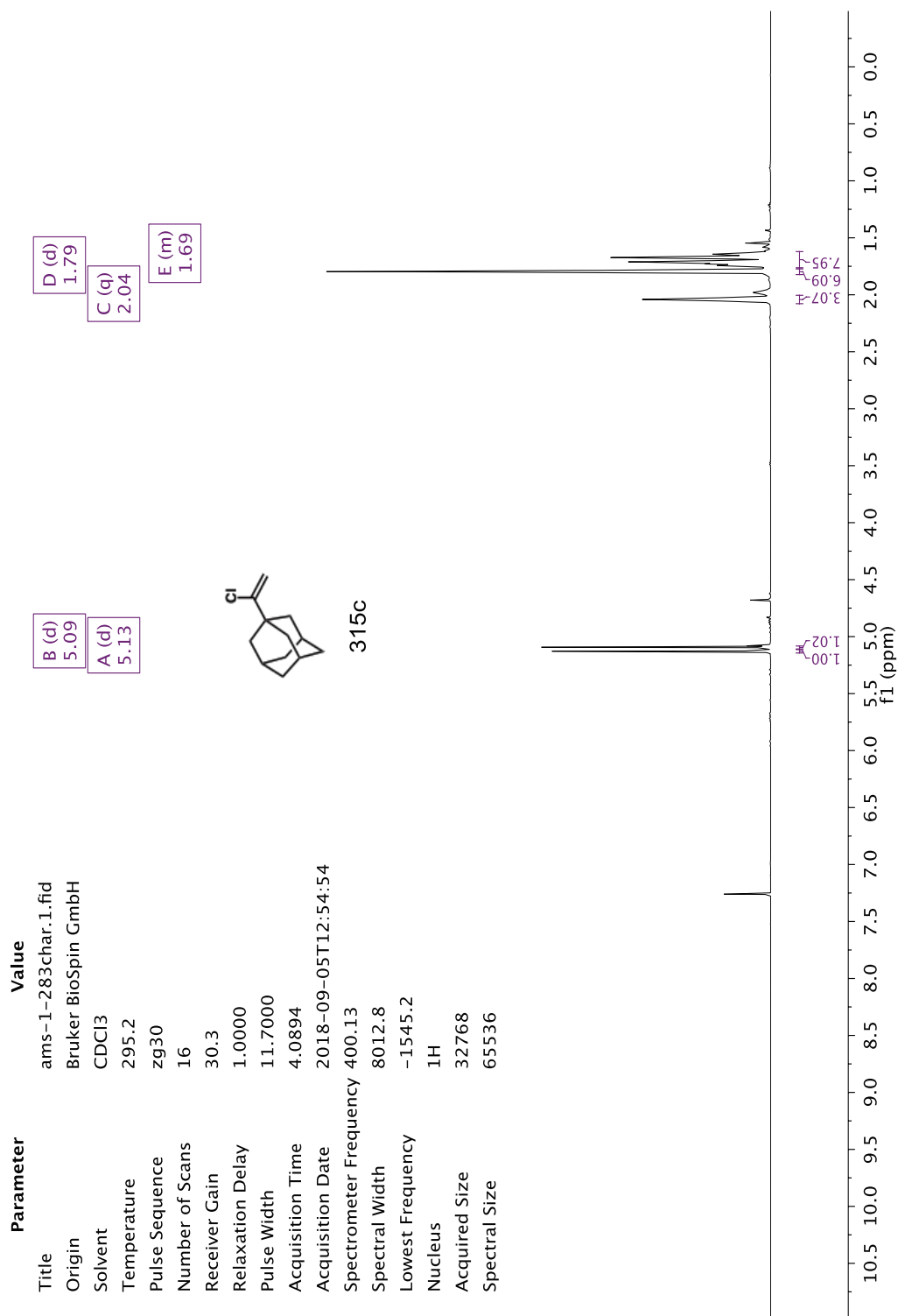


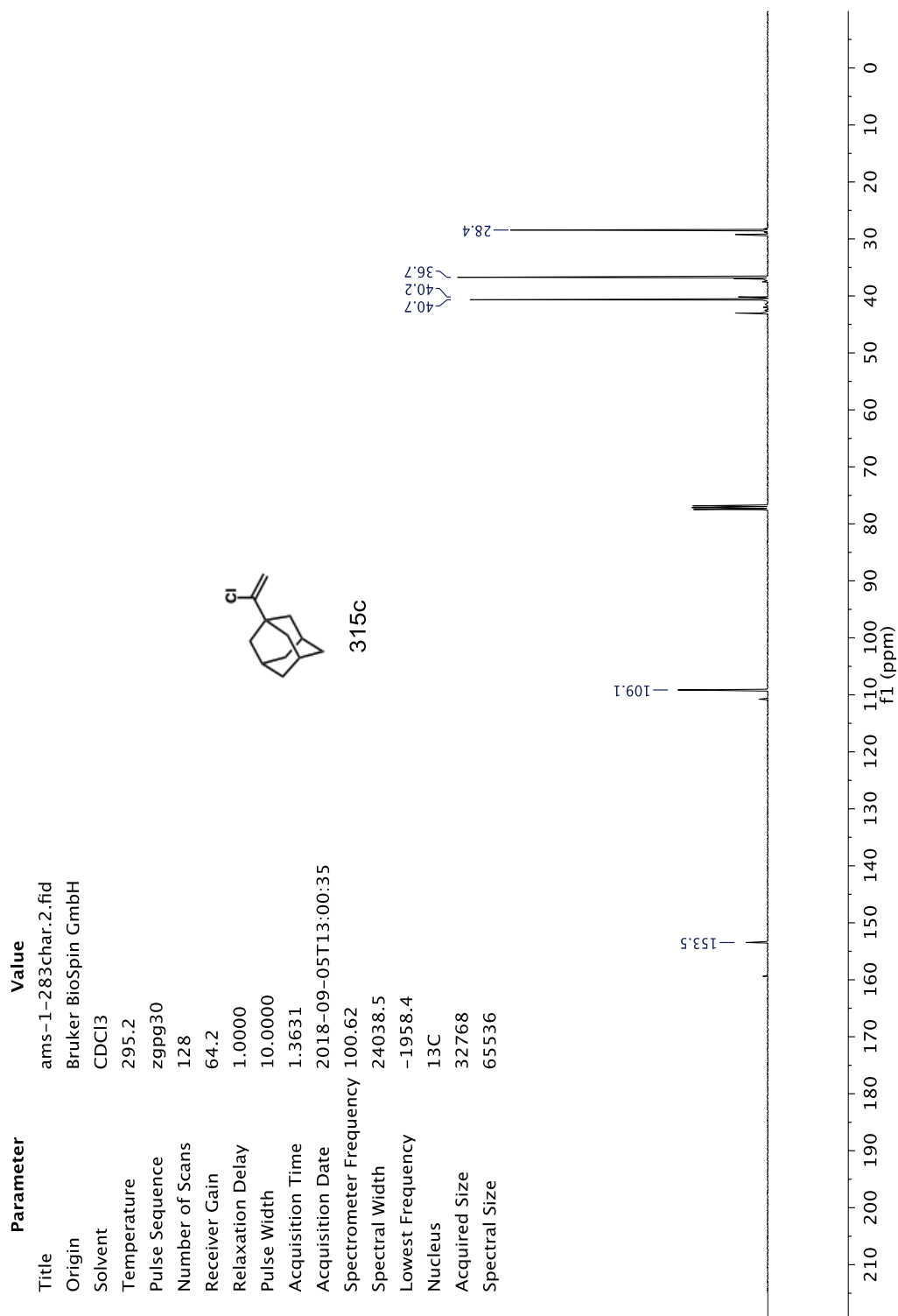
Parameter	Value
Title	KEP-4-59_A_fr8-11.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.1
Pulse Sequence	zgpg30
Number of Scans	128
Receiver Gain	72.0
Relaxation Delay	2.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2018-04-30T18:15:32
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1958.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

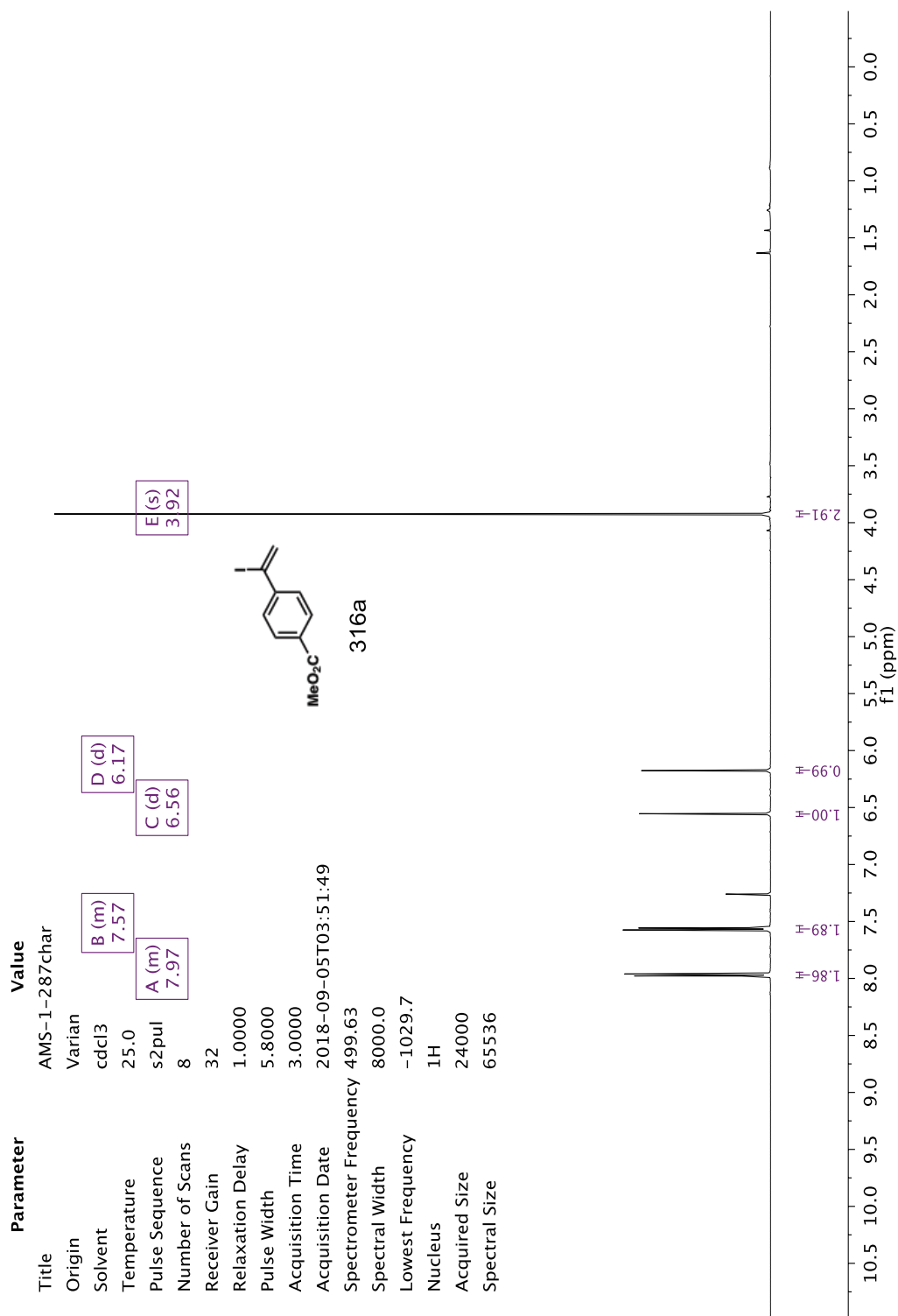


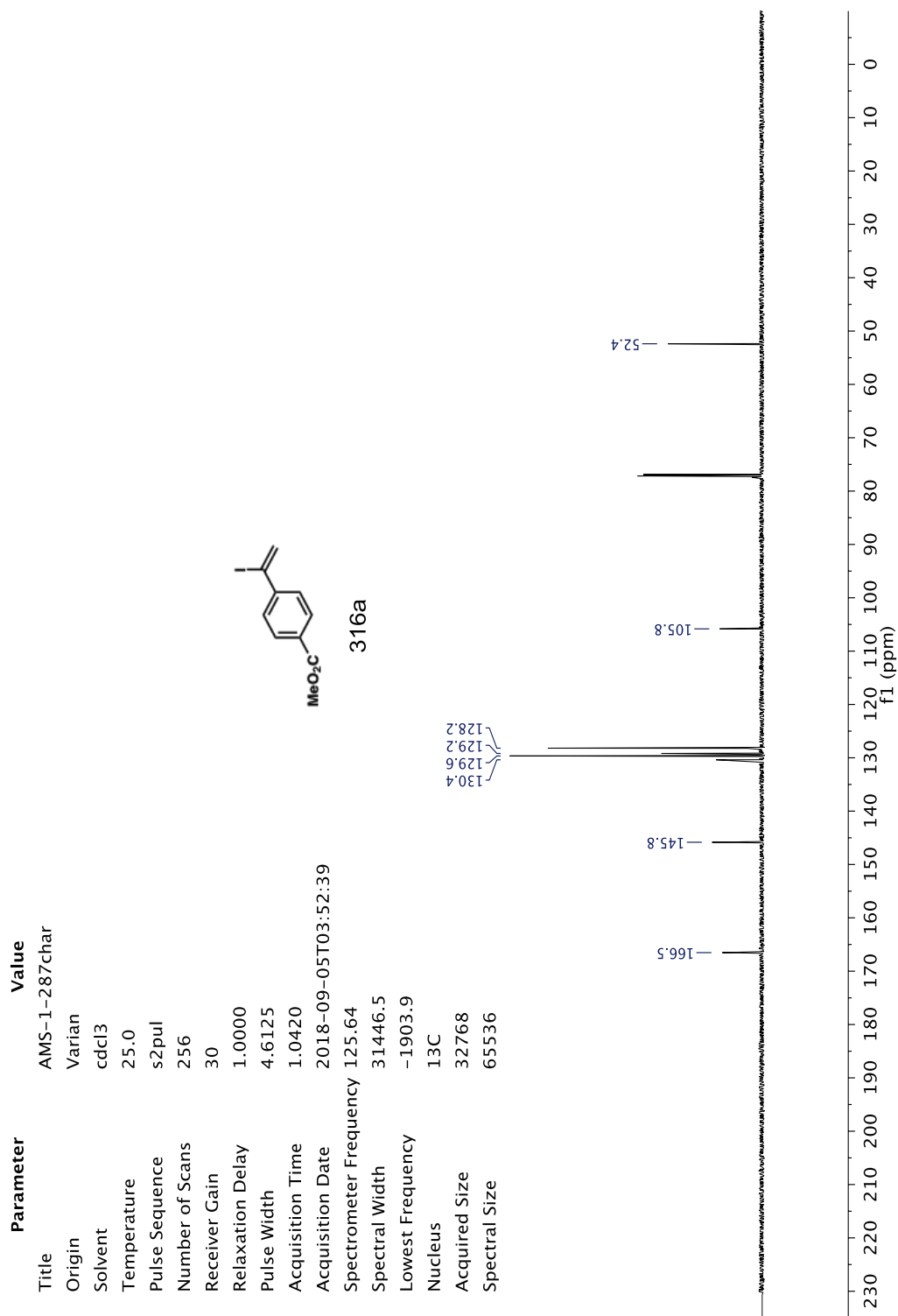


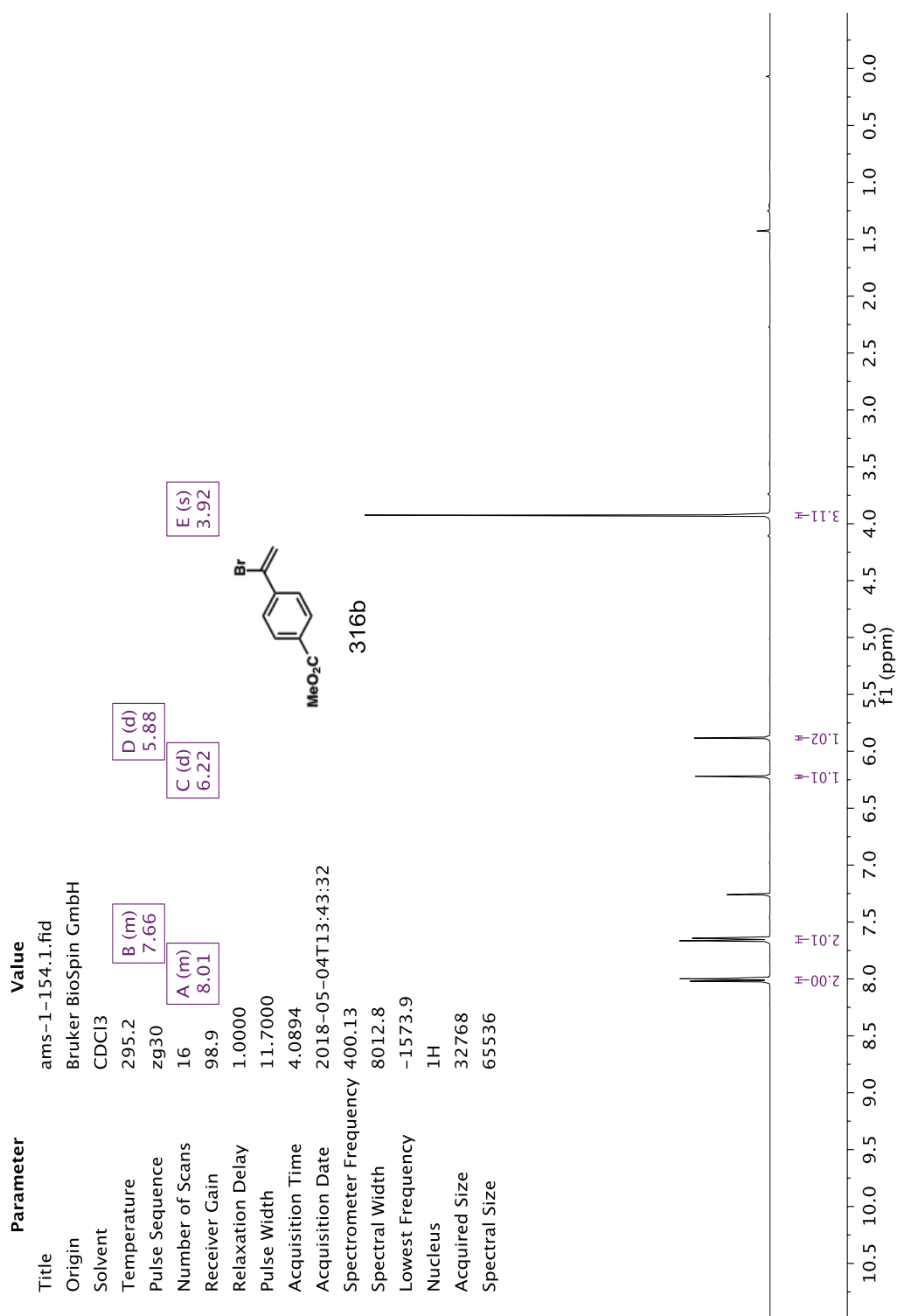


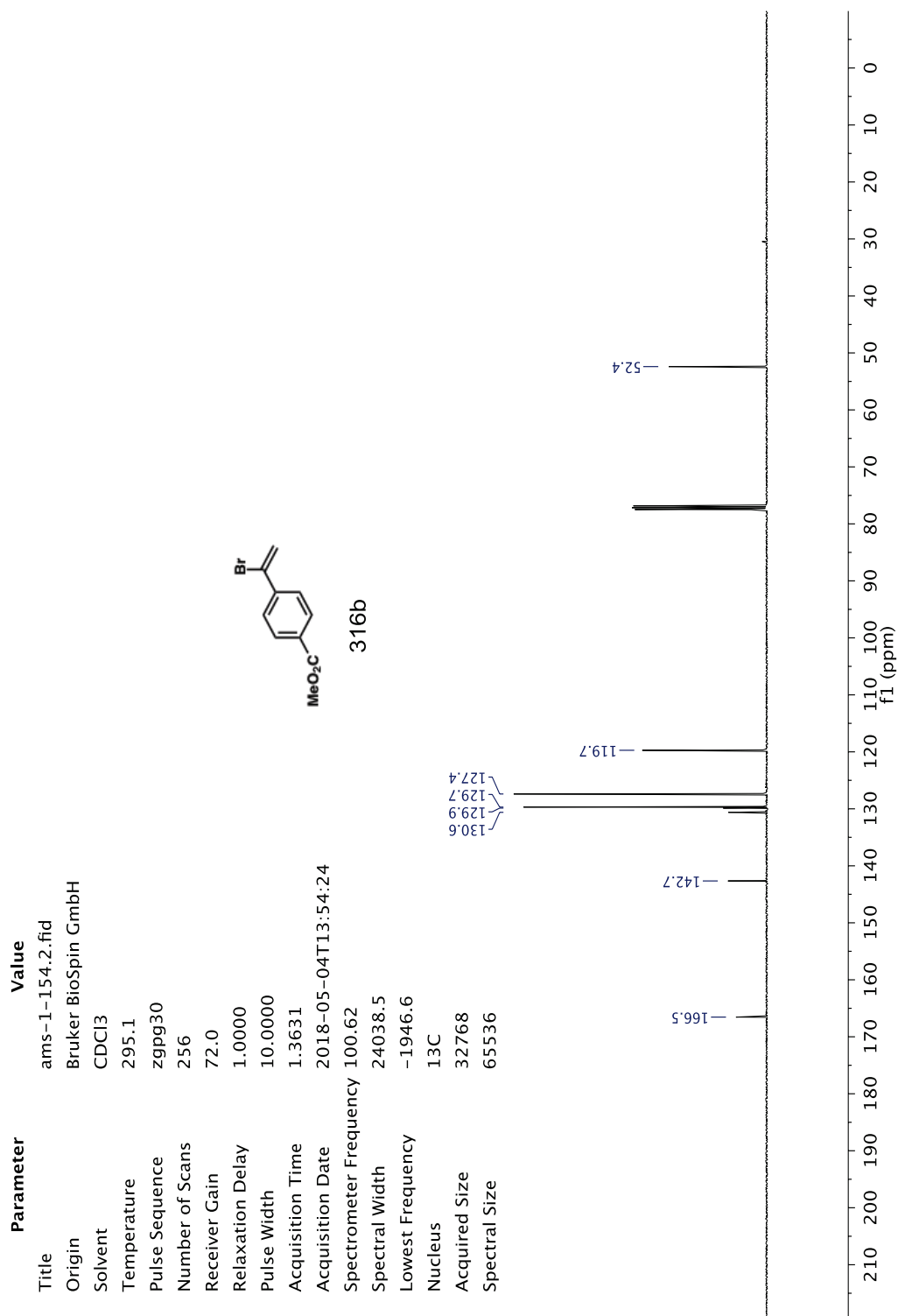


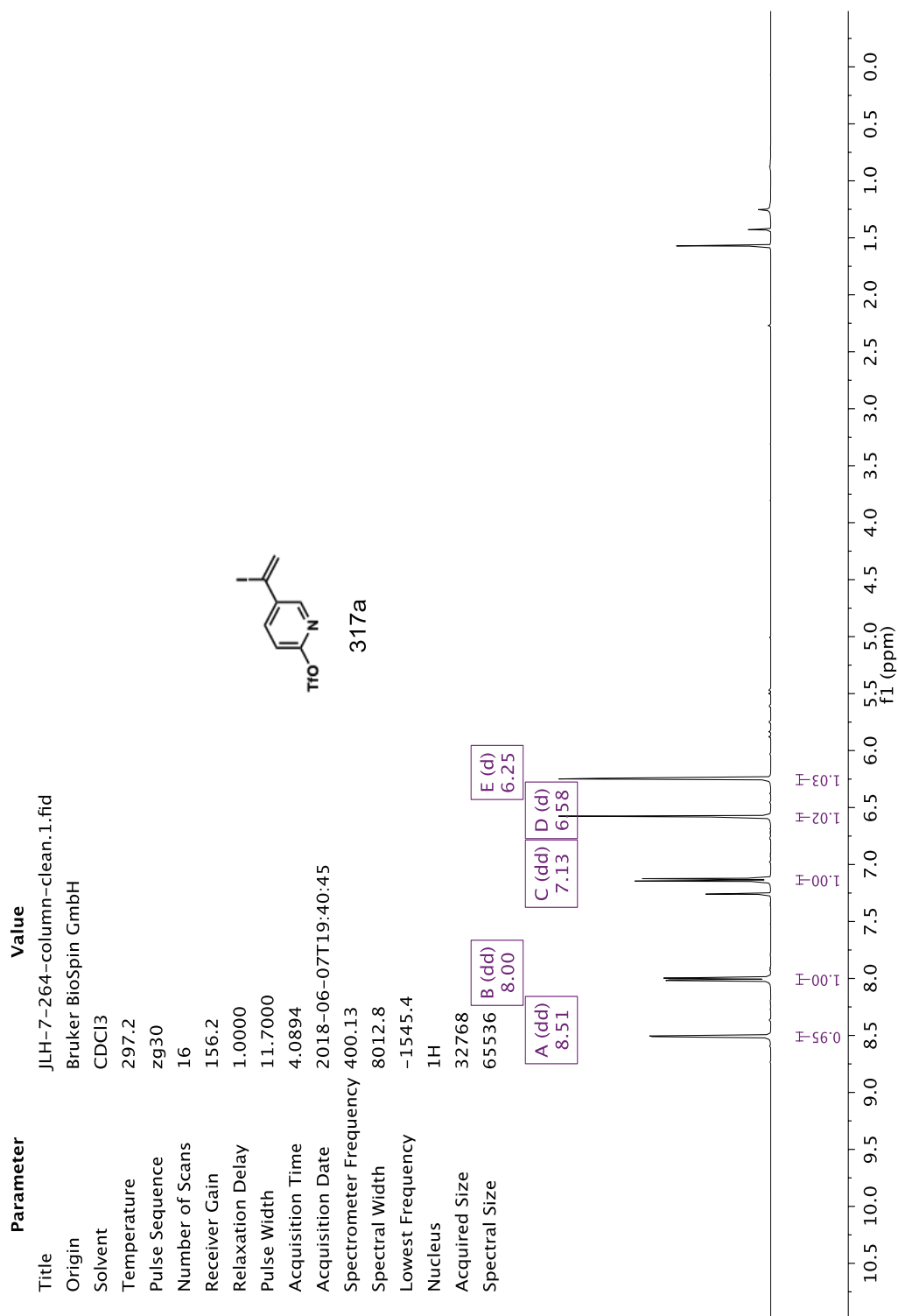


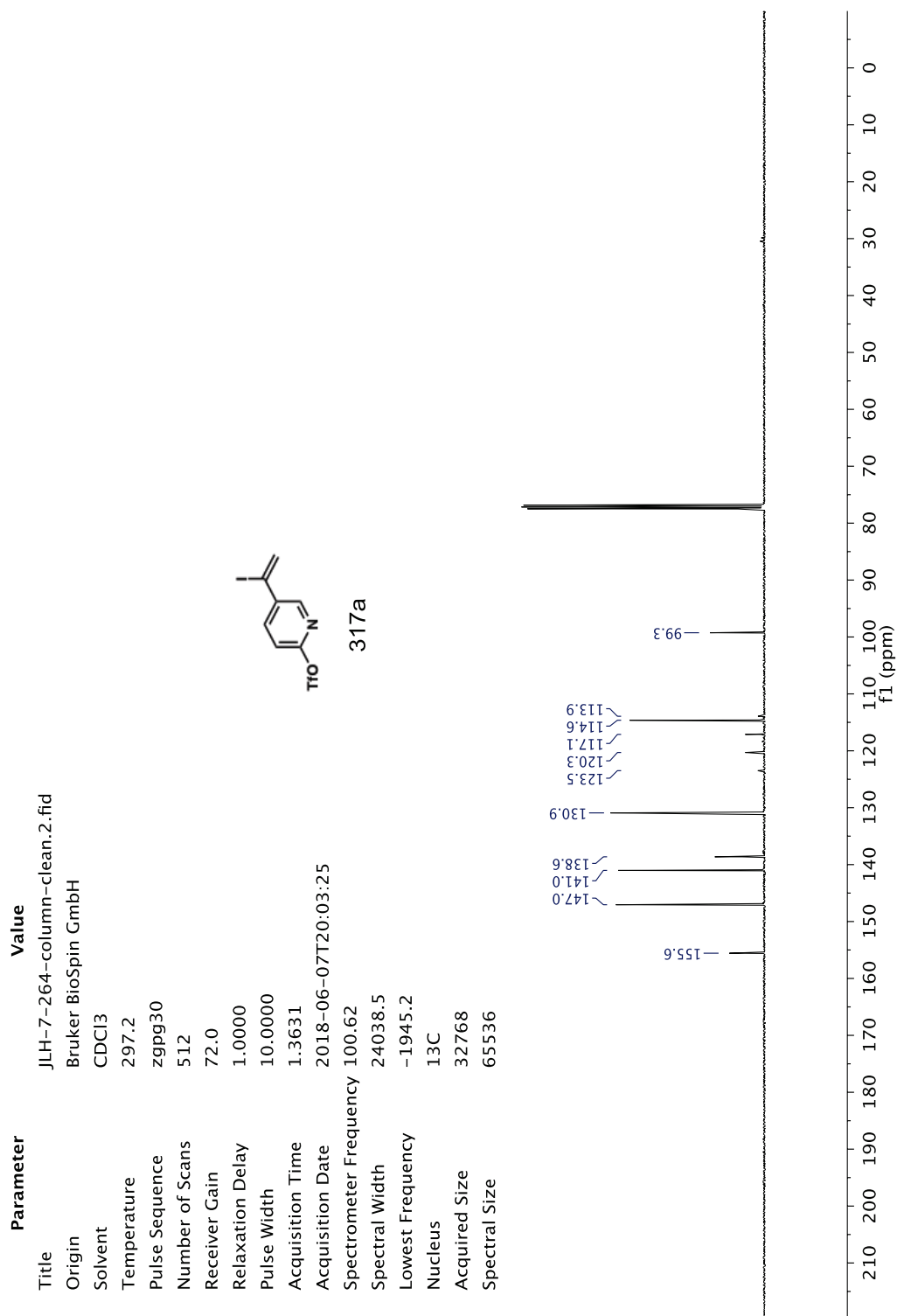




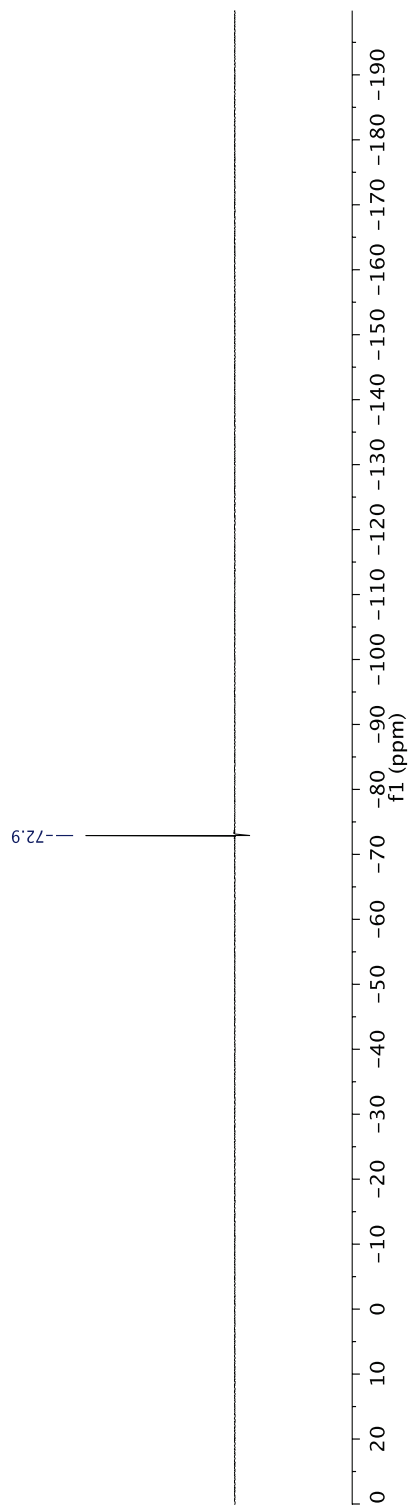
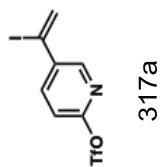


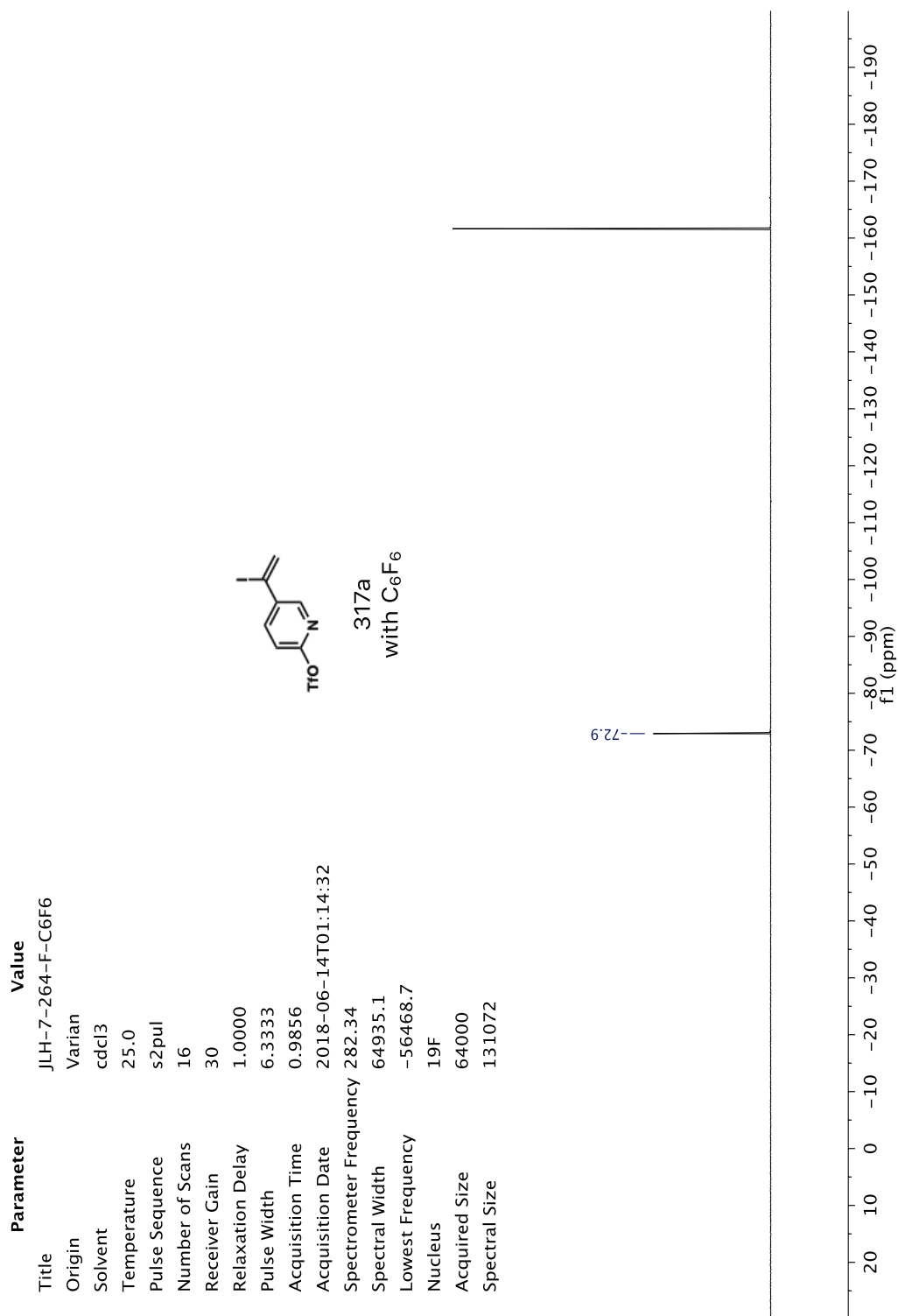


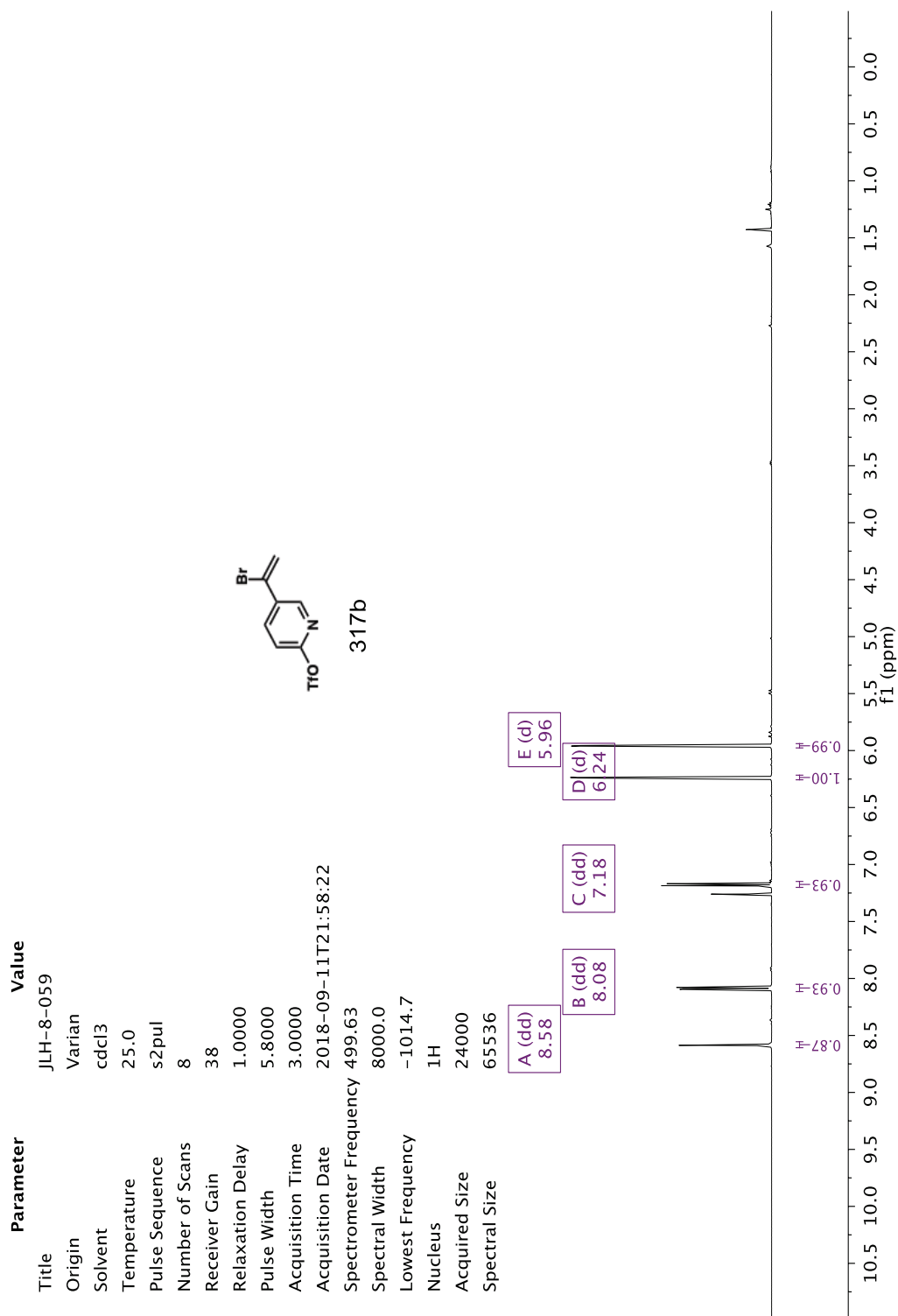


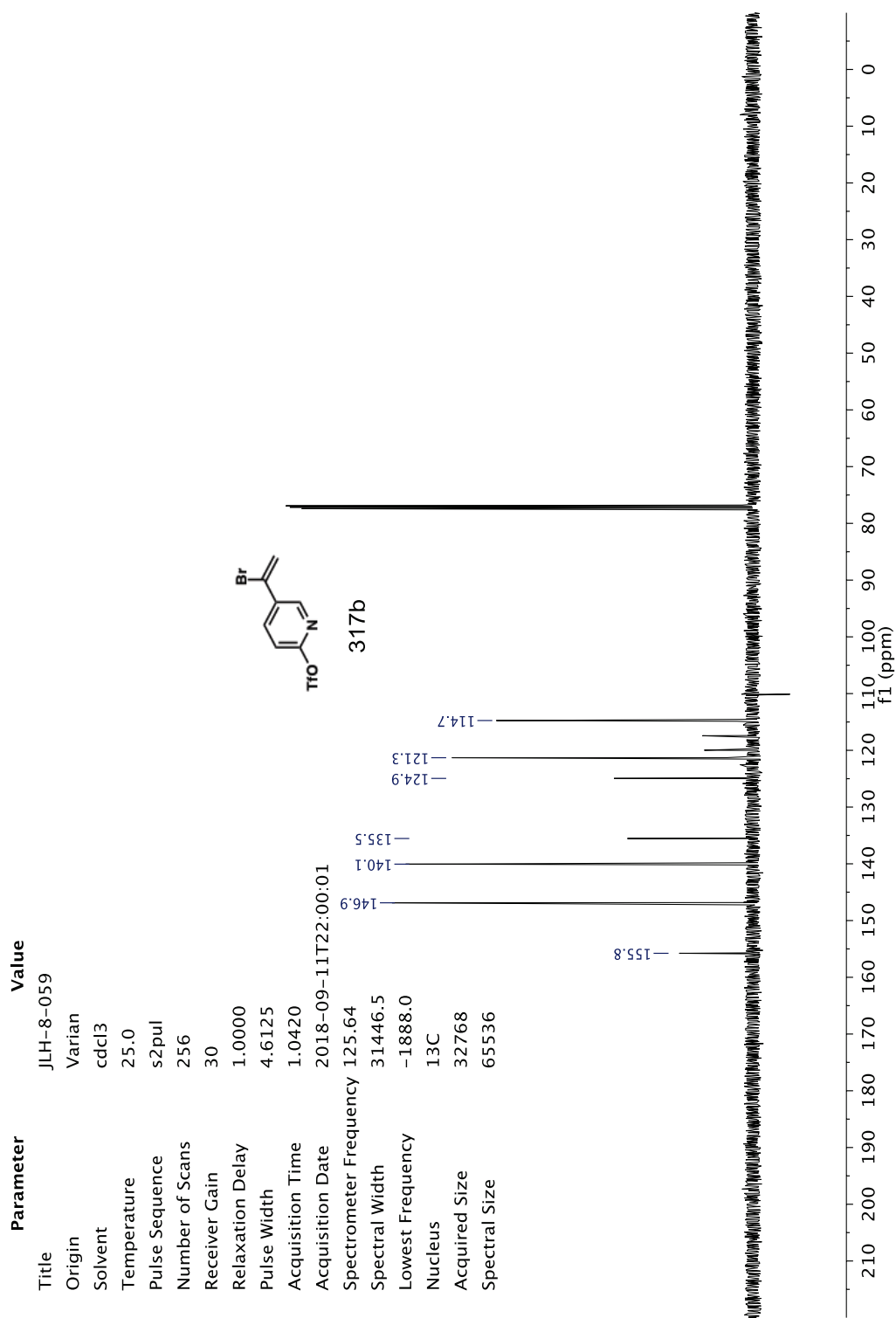


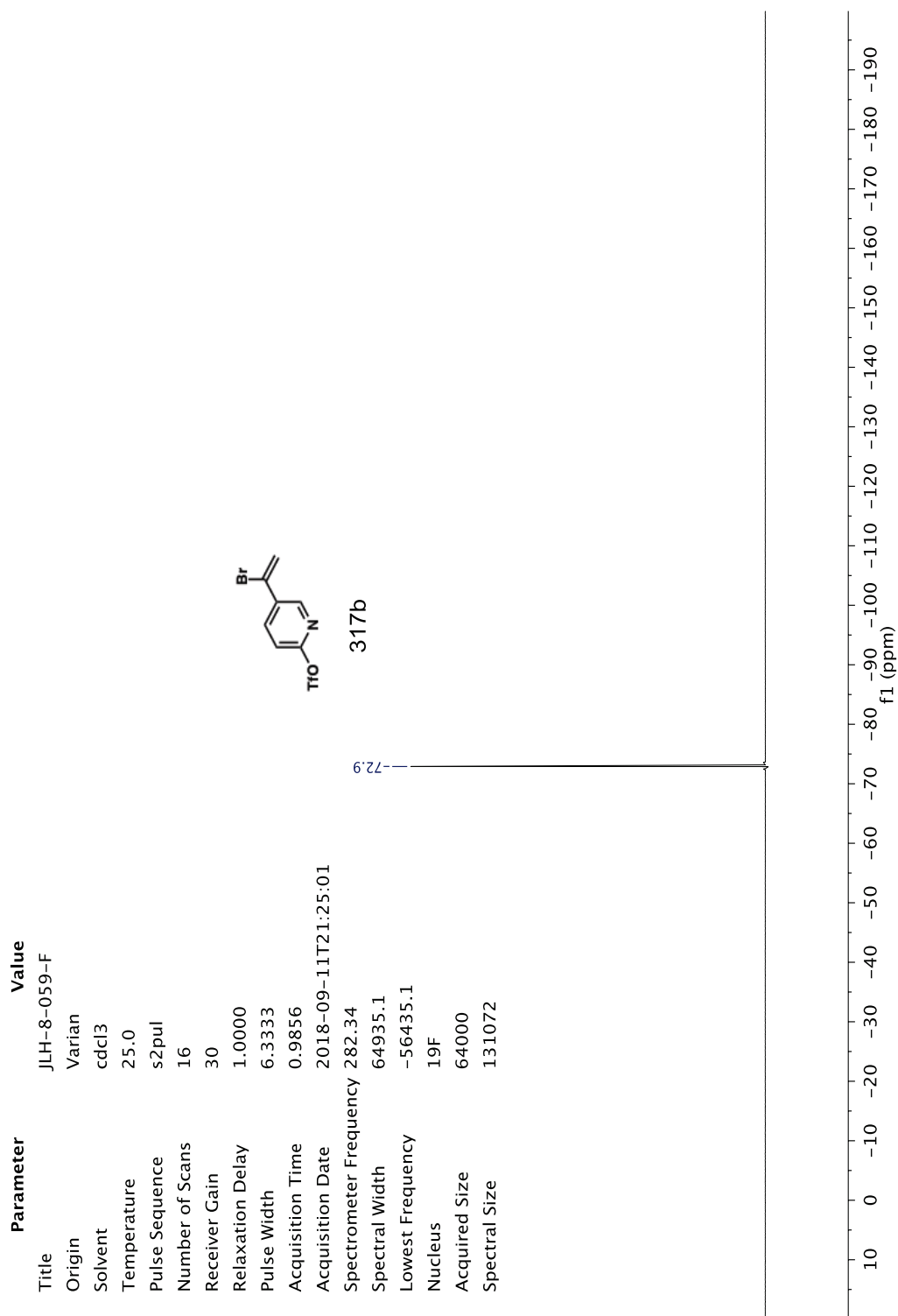
Parameter	Value
Title	JLH-7-264-F
Origin	Varian
Solvent	cdcl3
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	16
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	6.3333
Acquisition Time	0.9856
Acquisition Date	2018-06-14T01:09:09
Spectrometer Frequency	282.34
Spectral Width	64935.1
Lowest Frequency	-56468.7
Nucleus	¹⁹ F
Acquired Size	64000
Spectral Size	131072

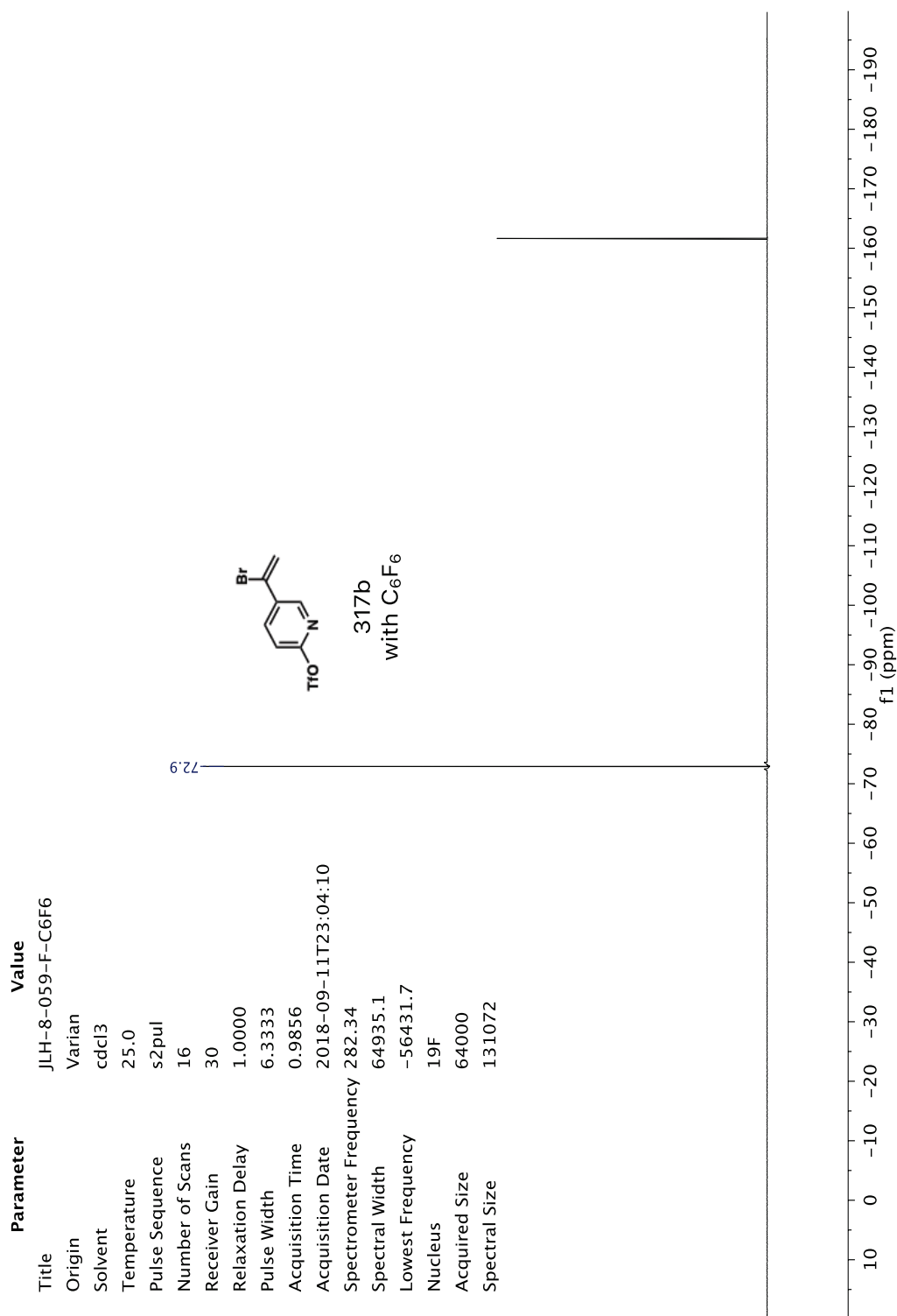


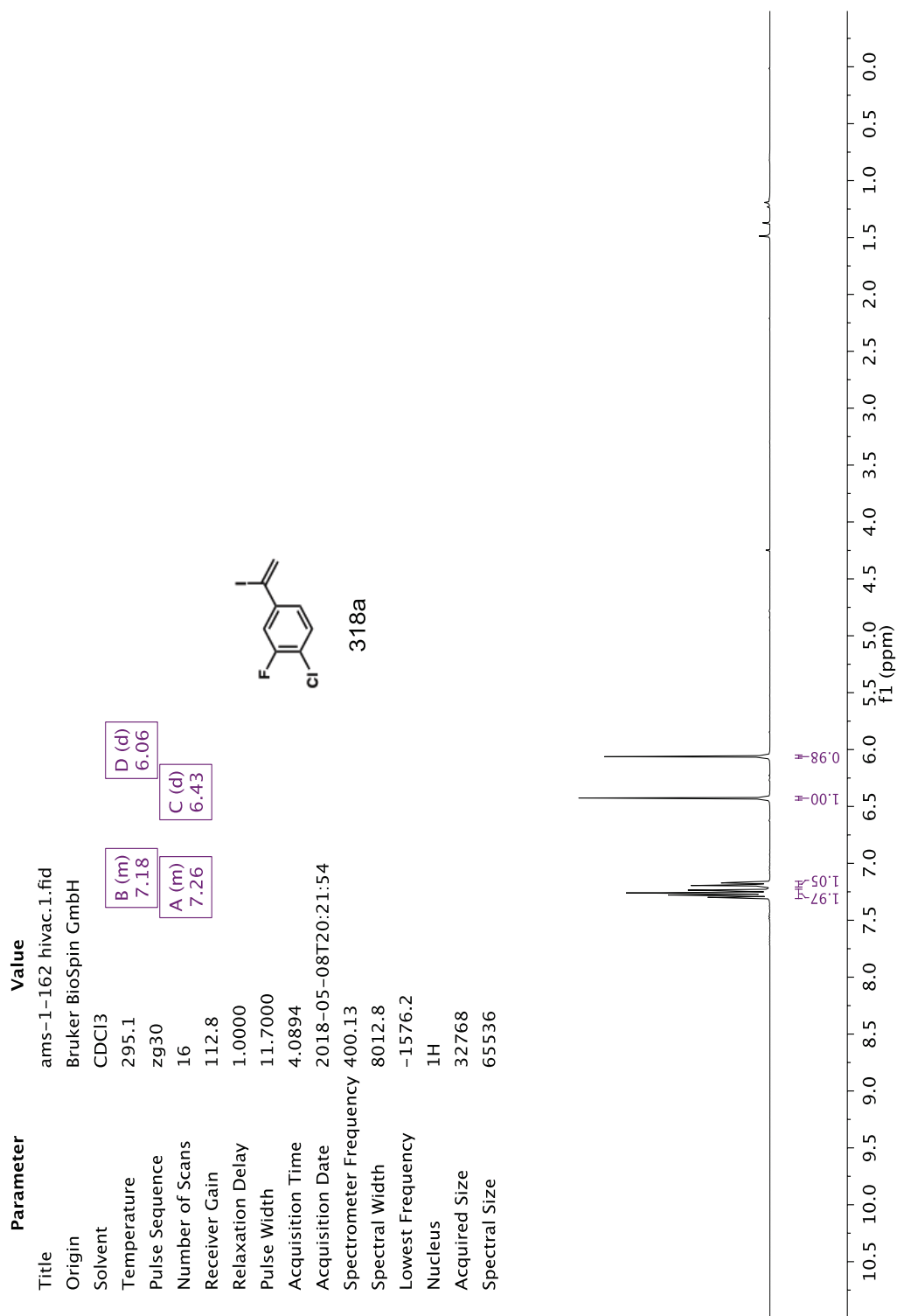


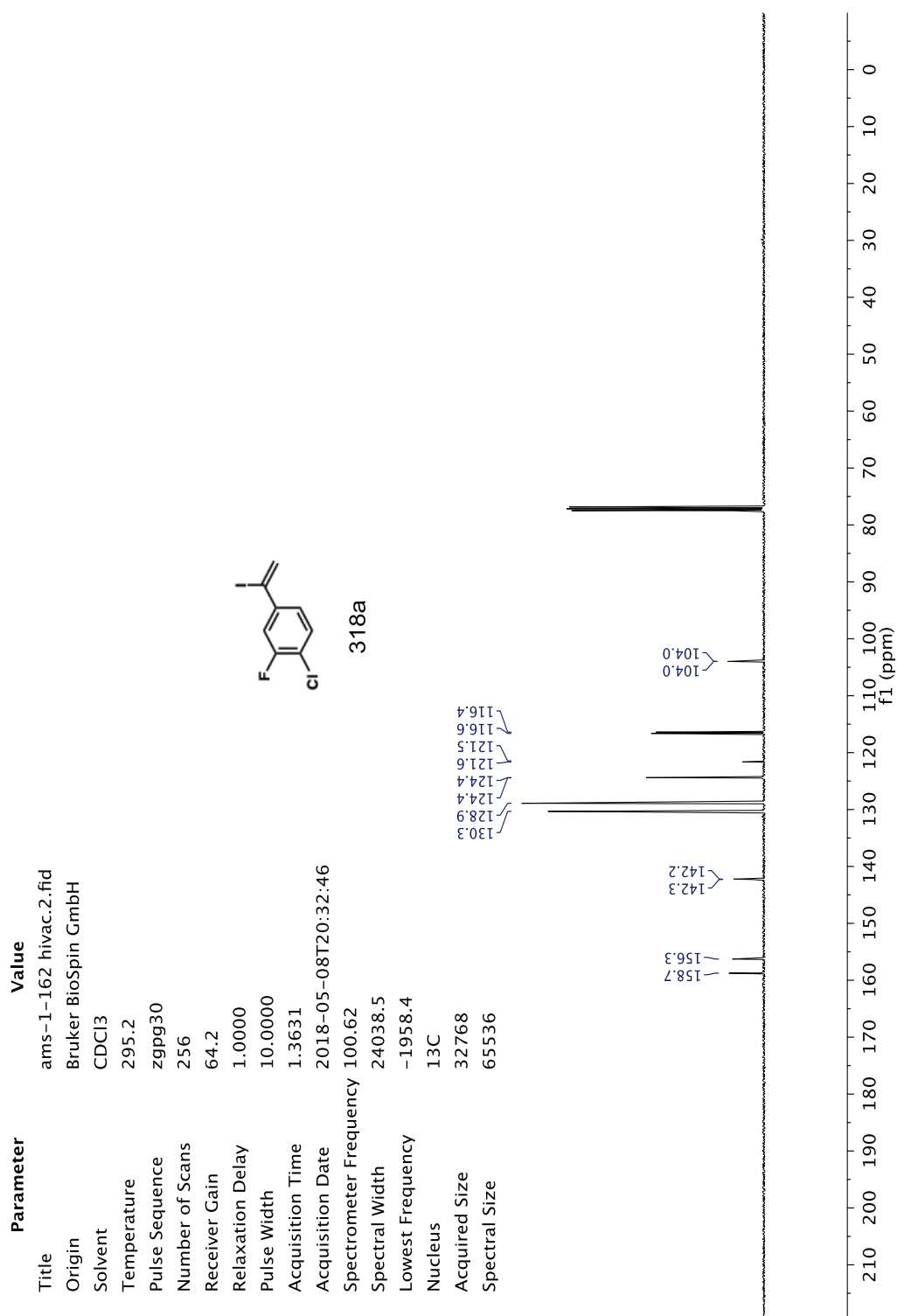


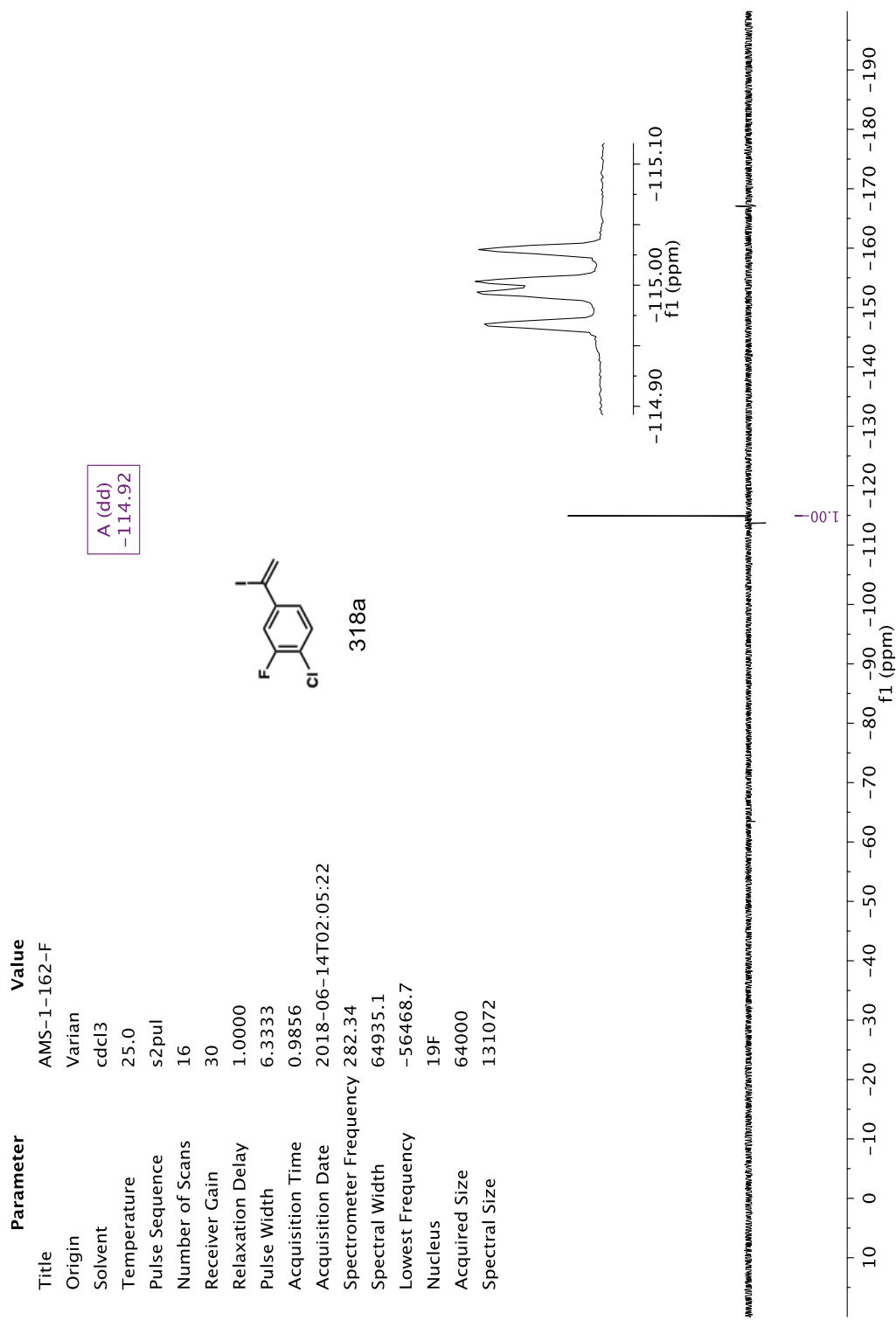


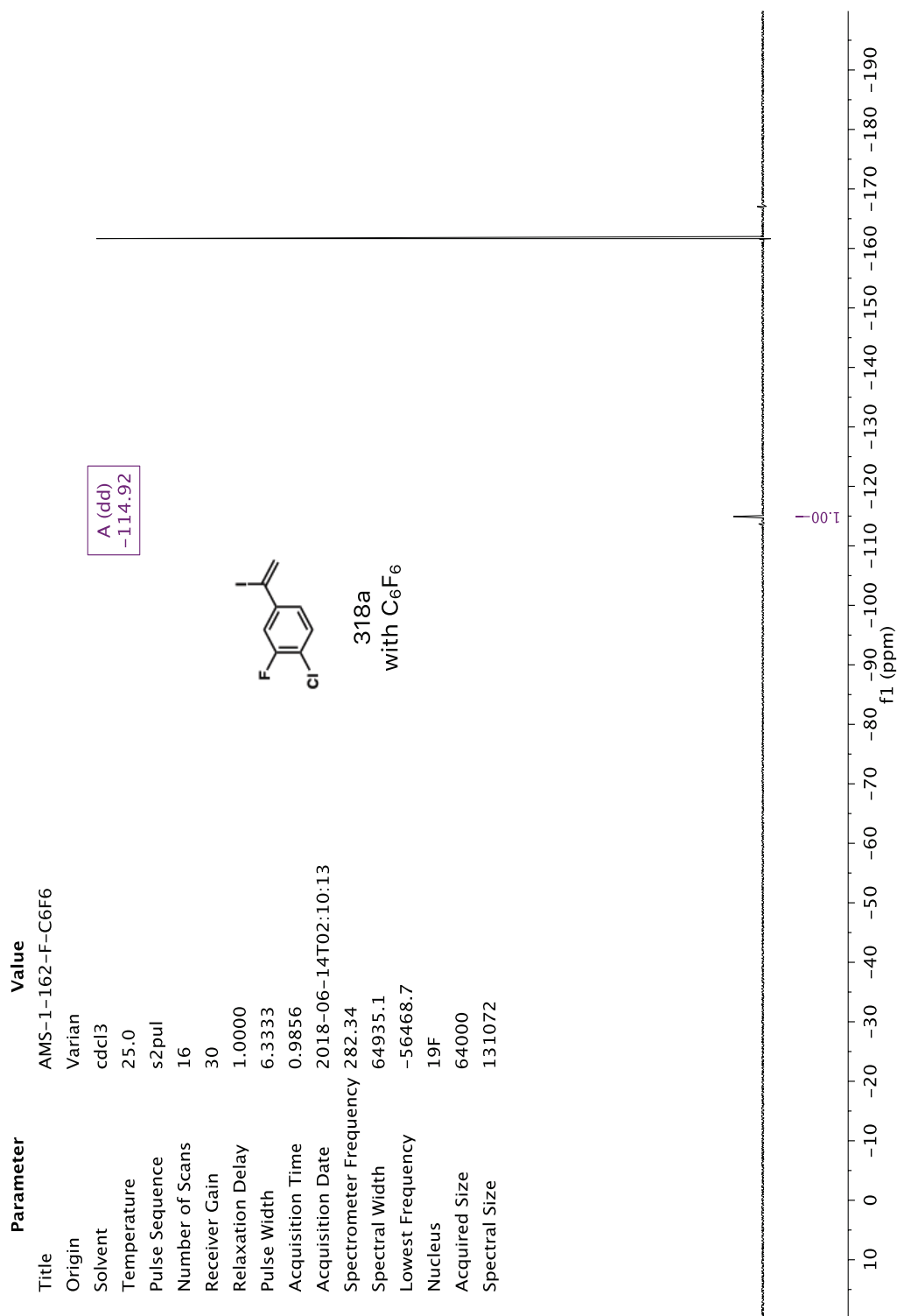


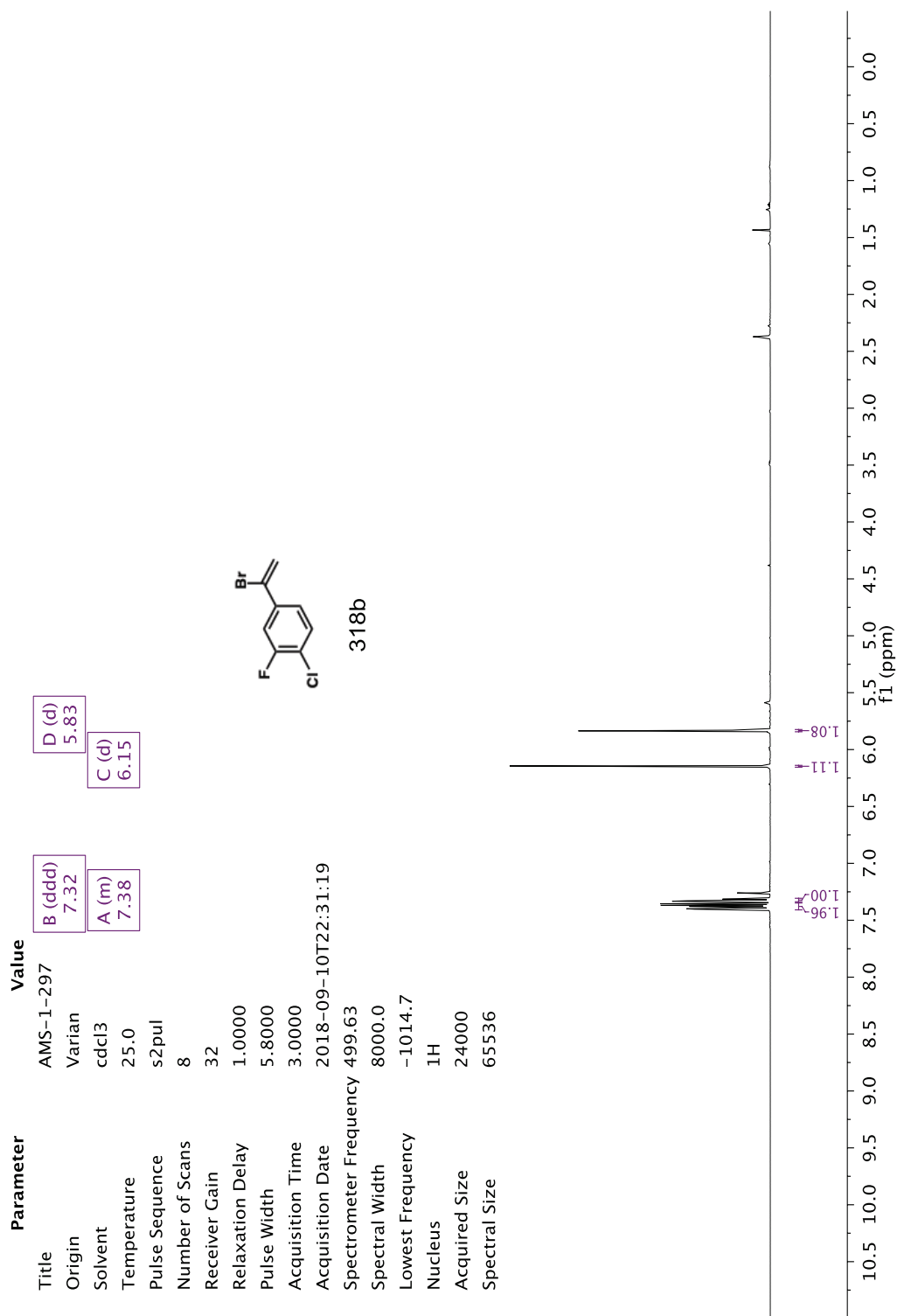


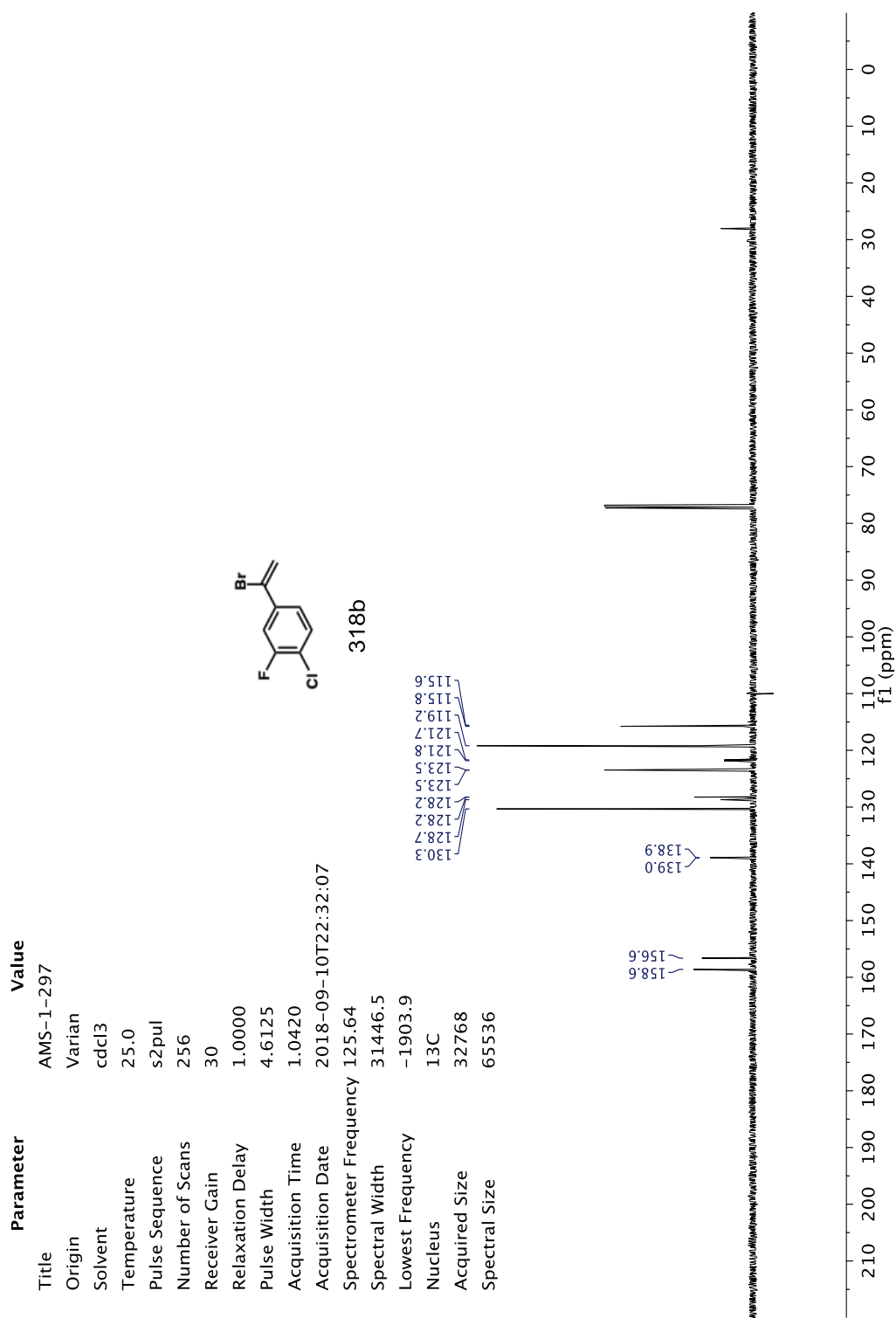


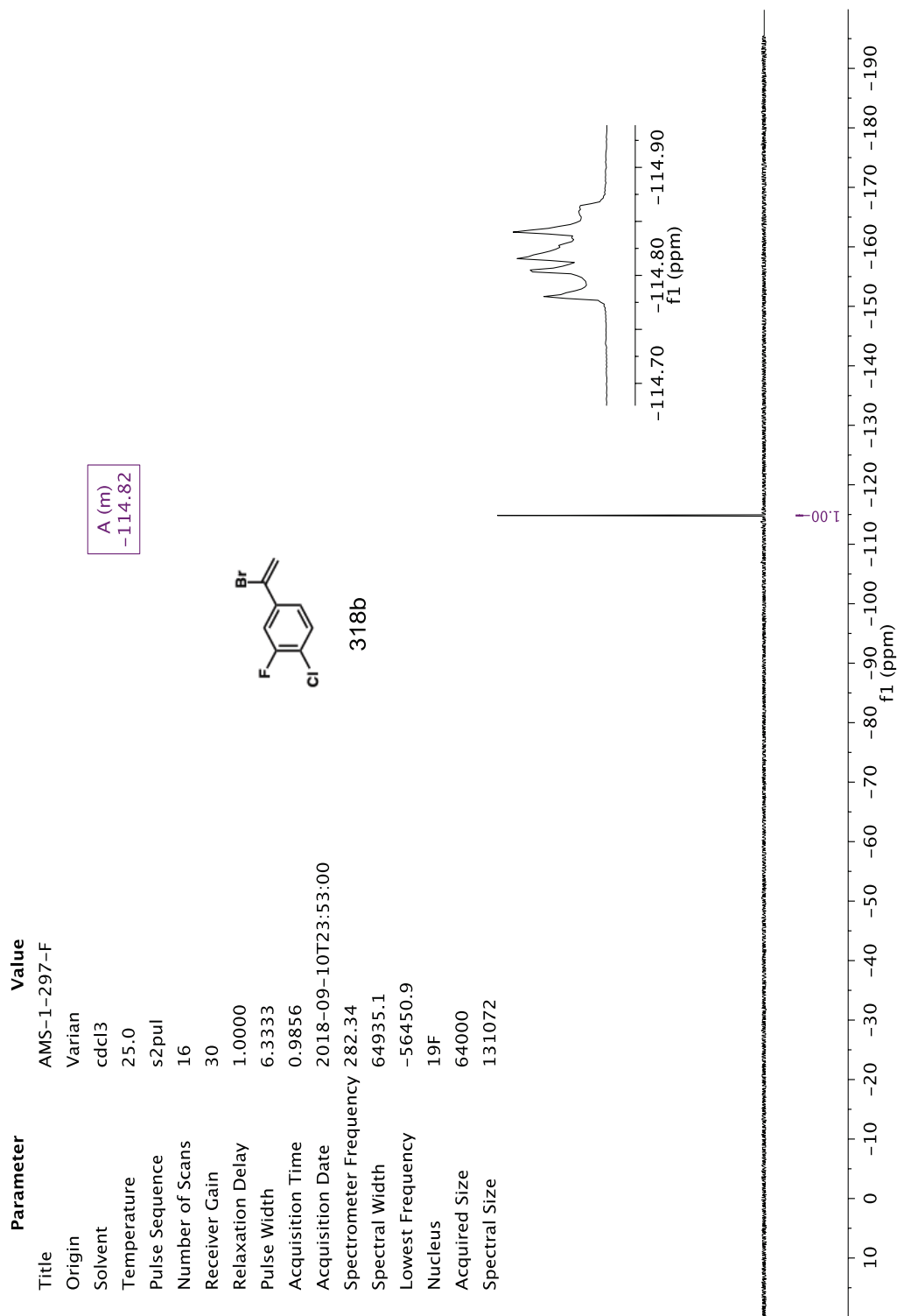


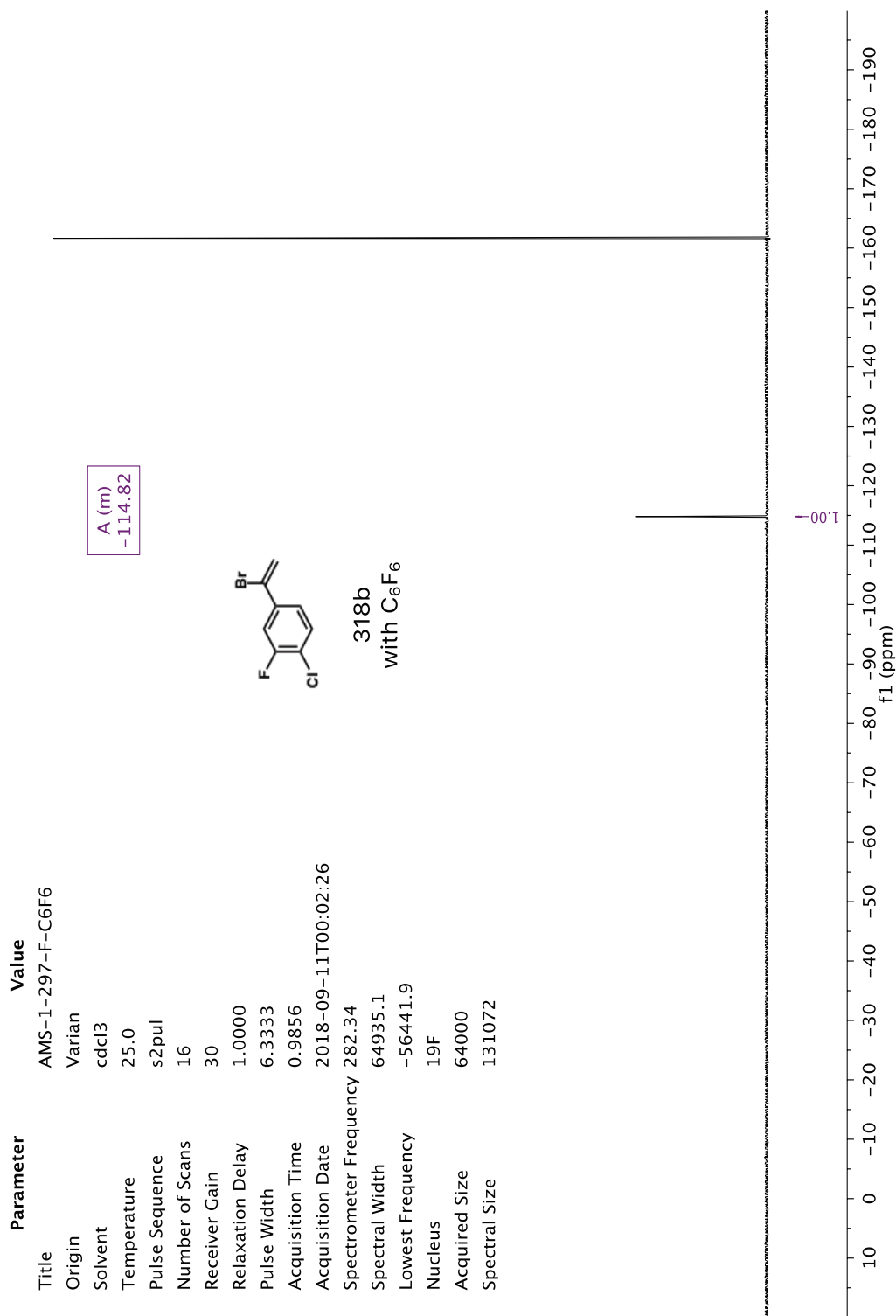


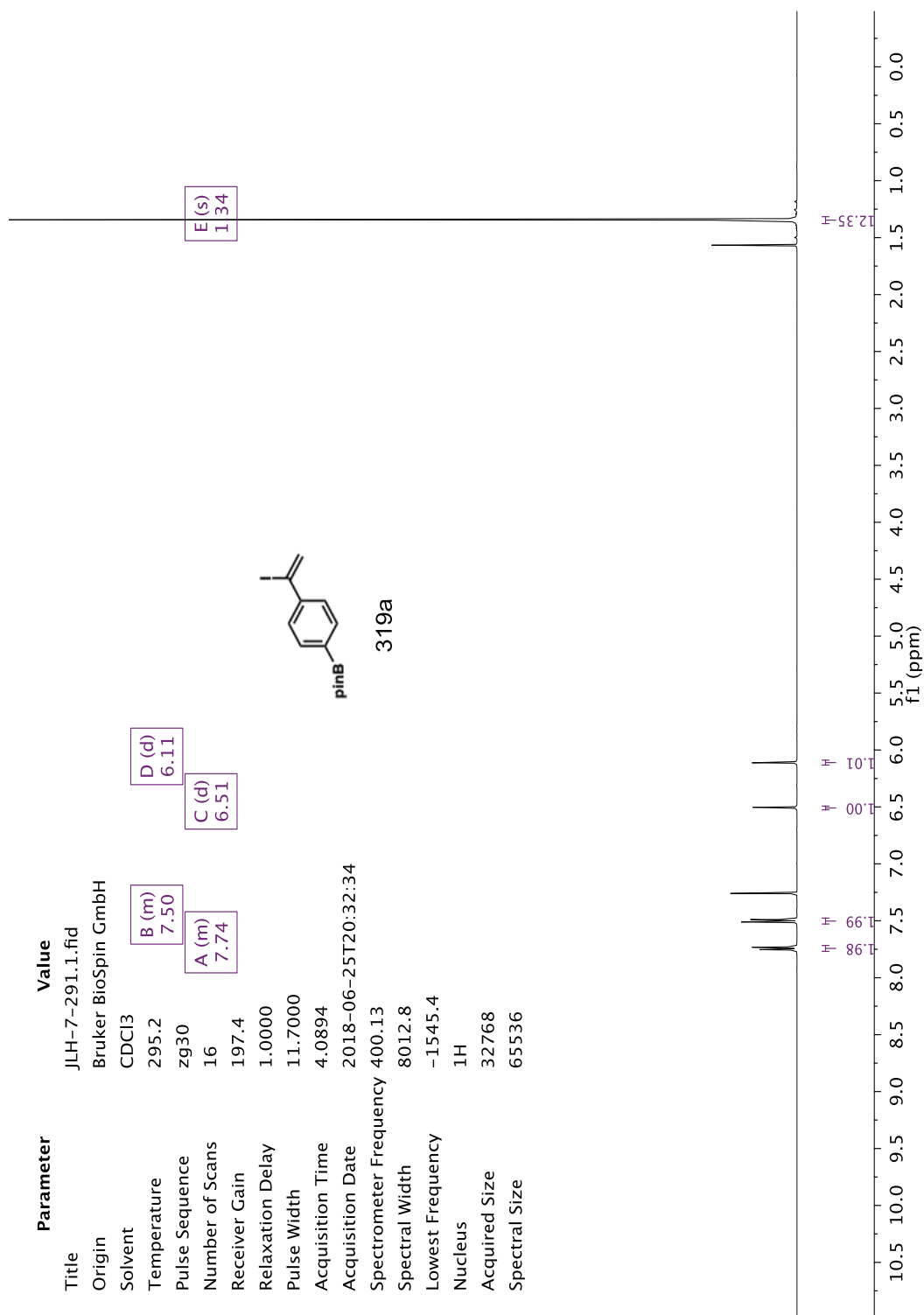


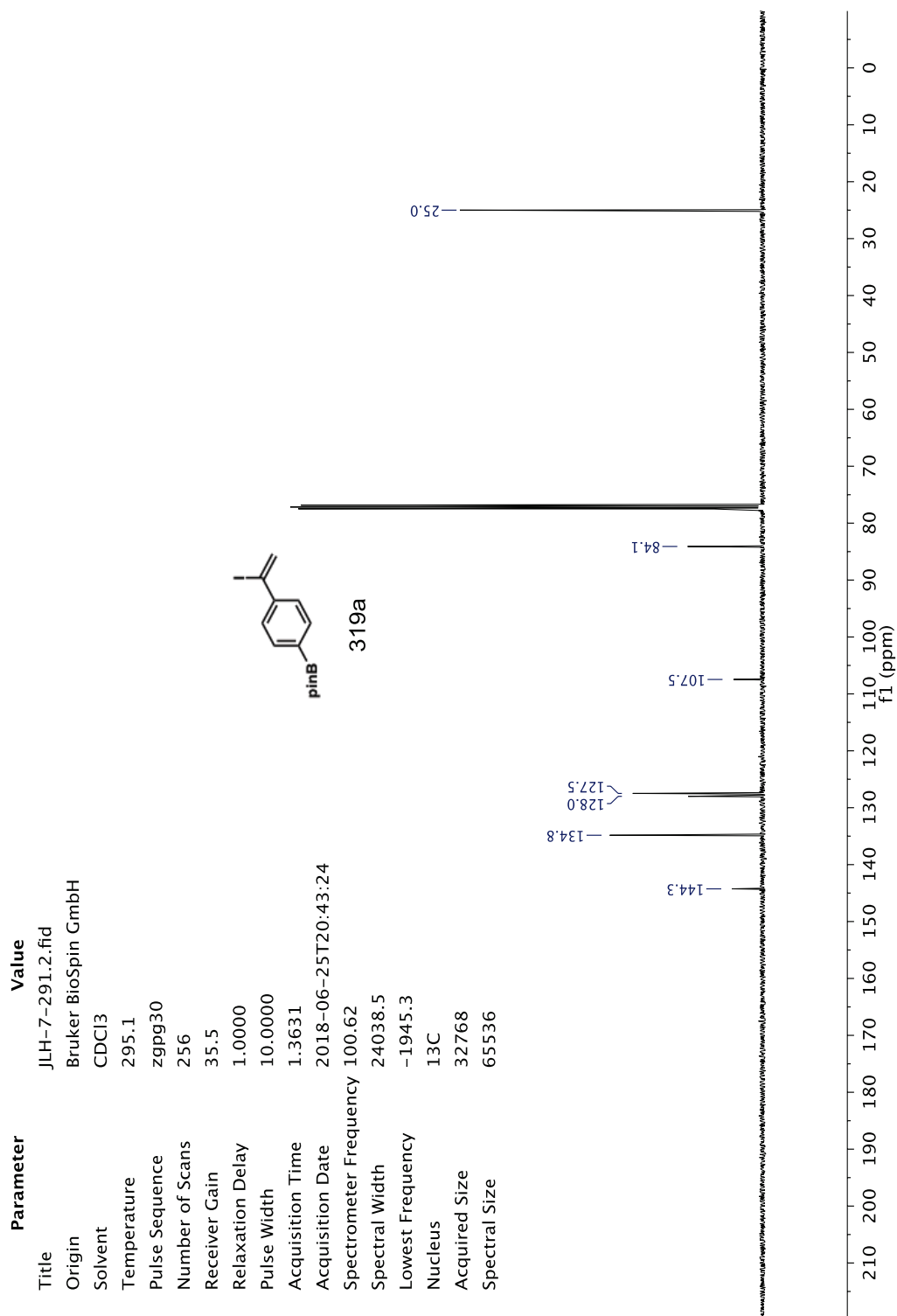


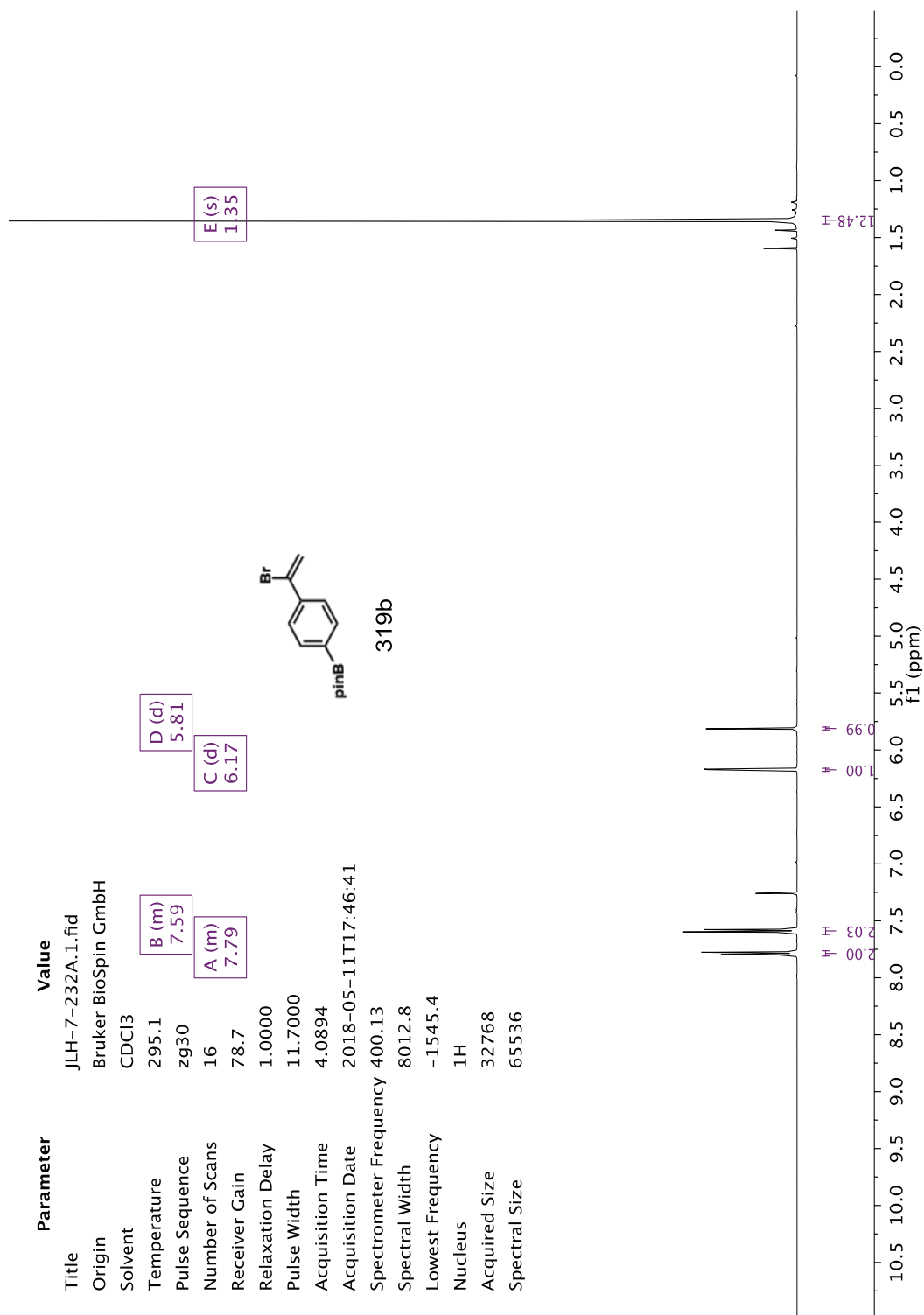


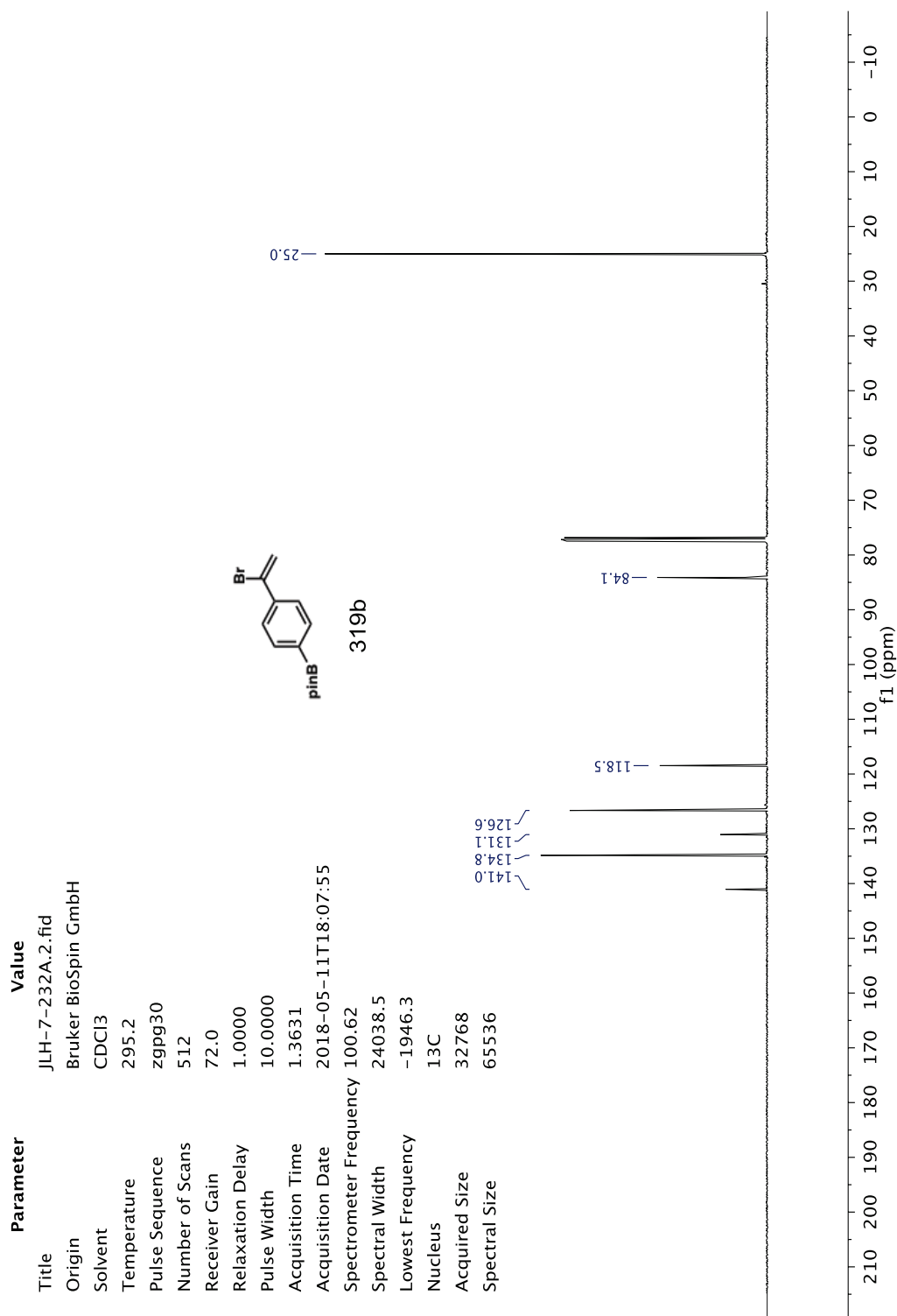


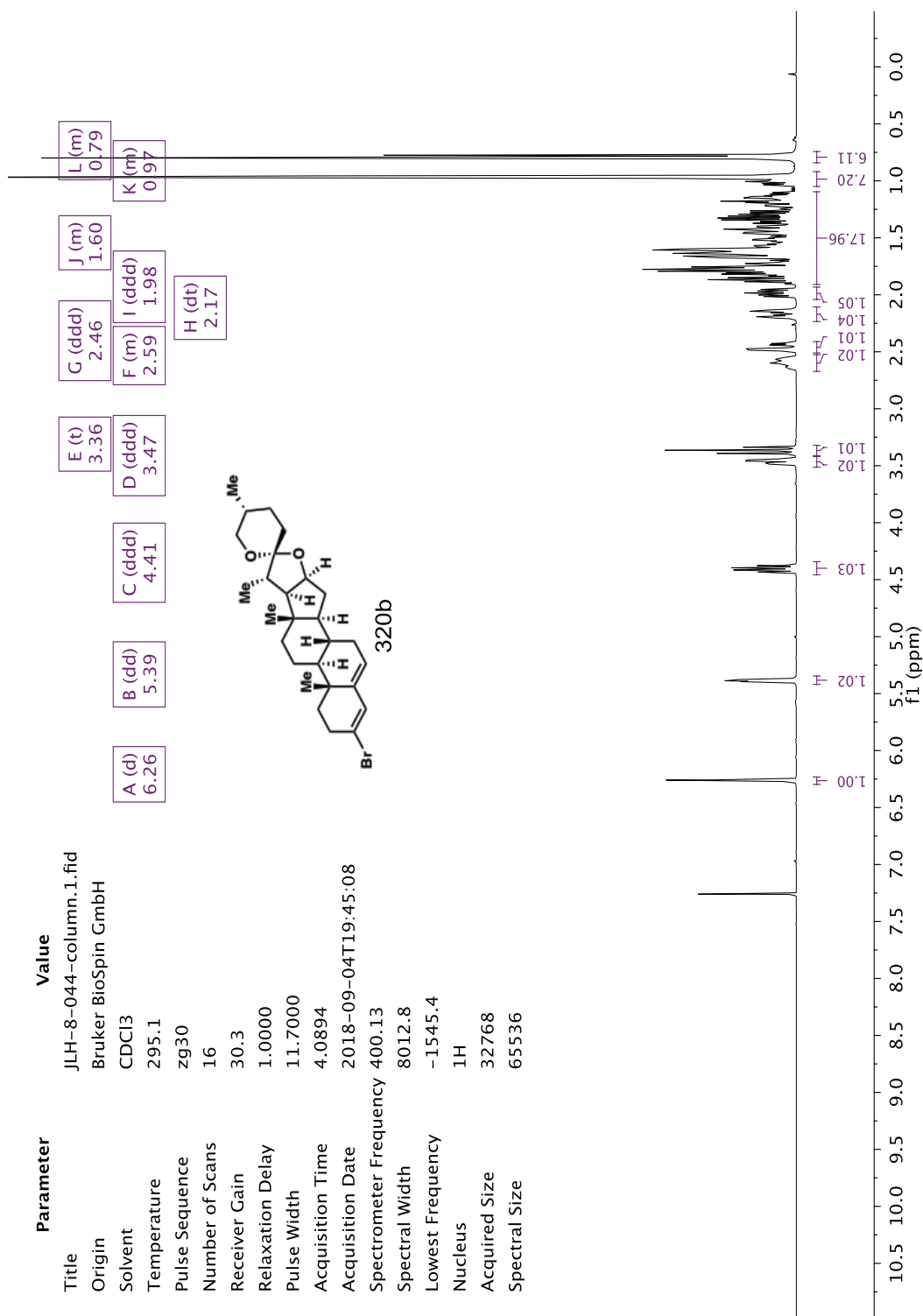


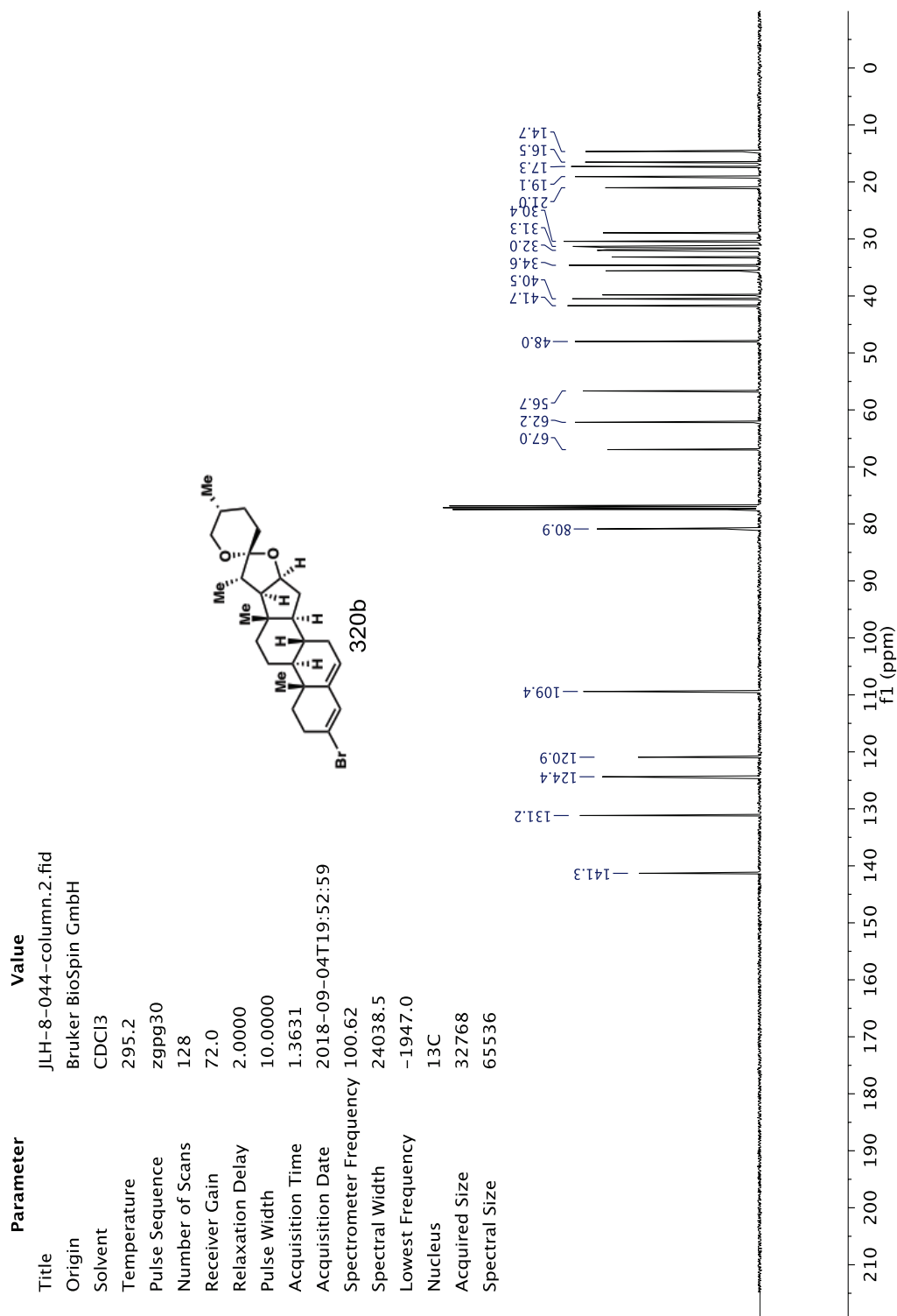


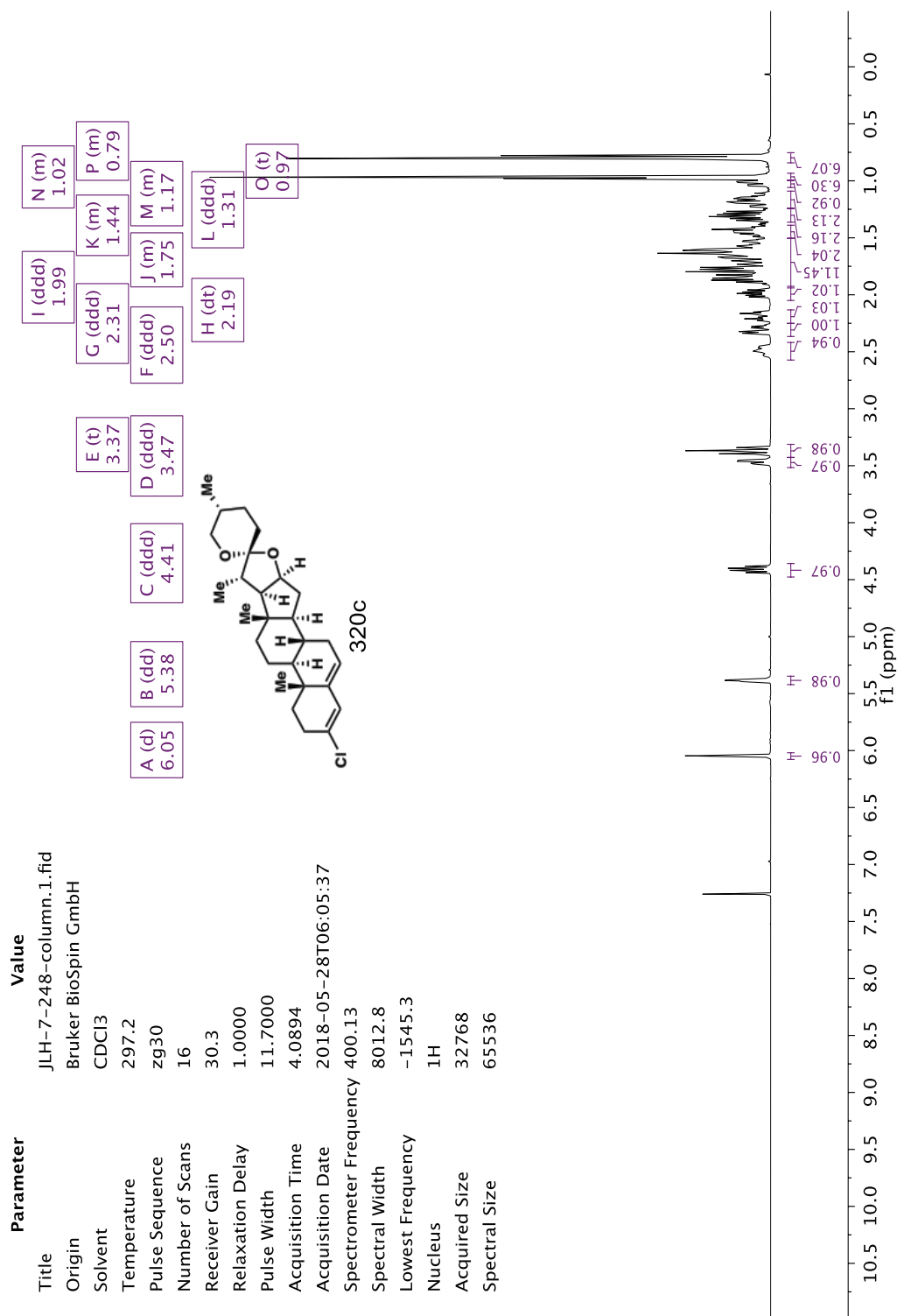




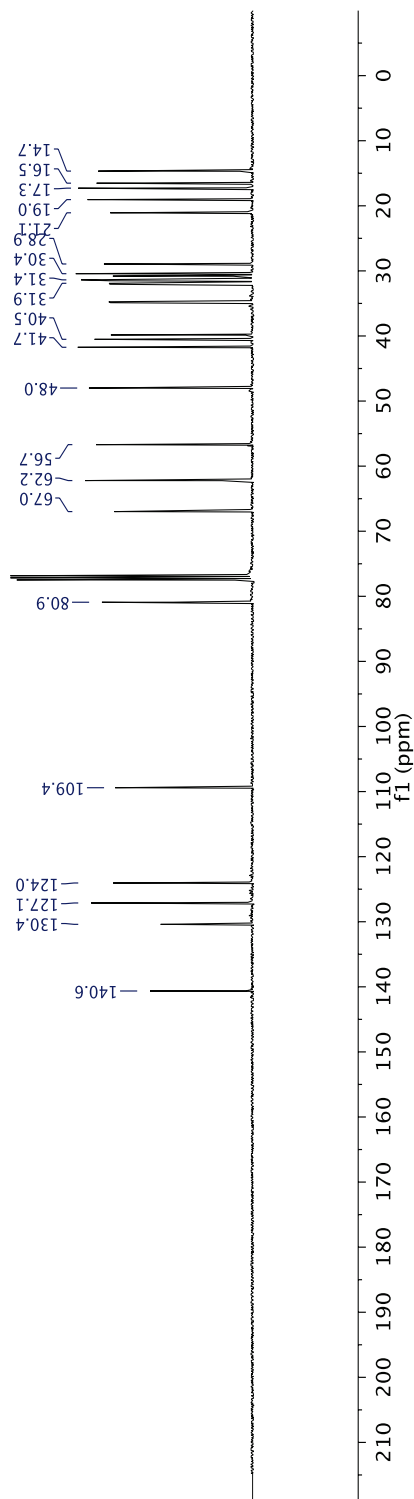
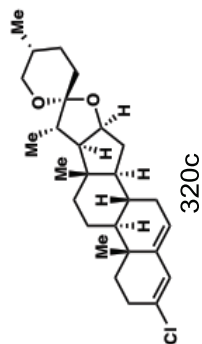


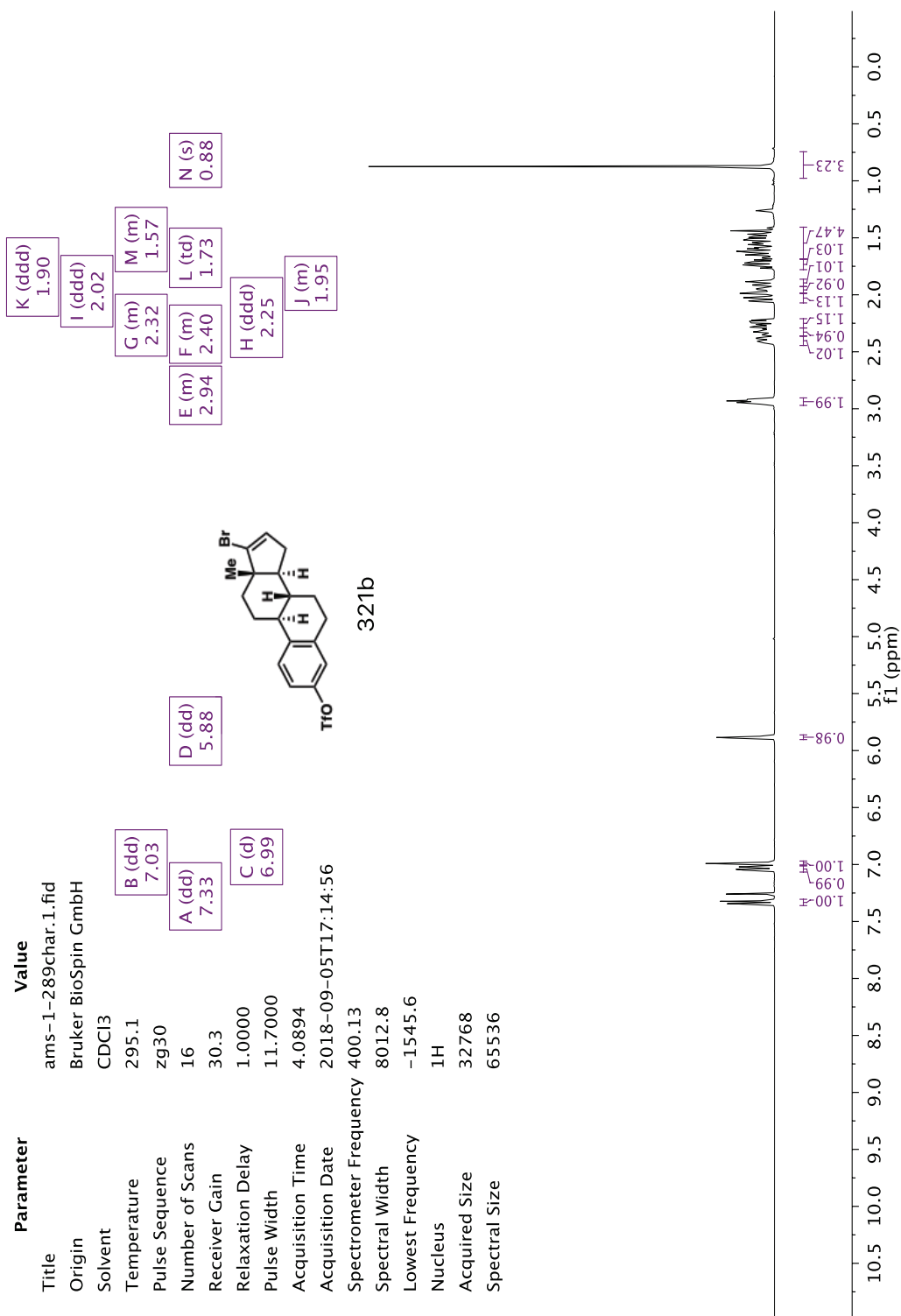


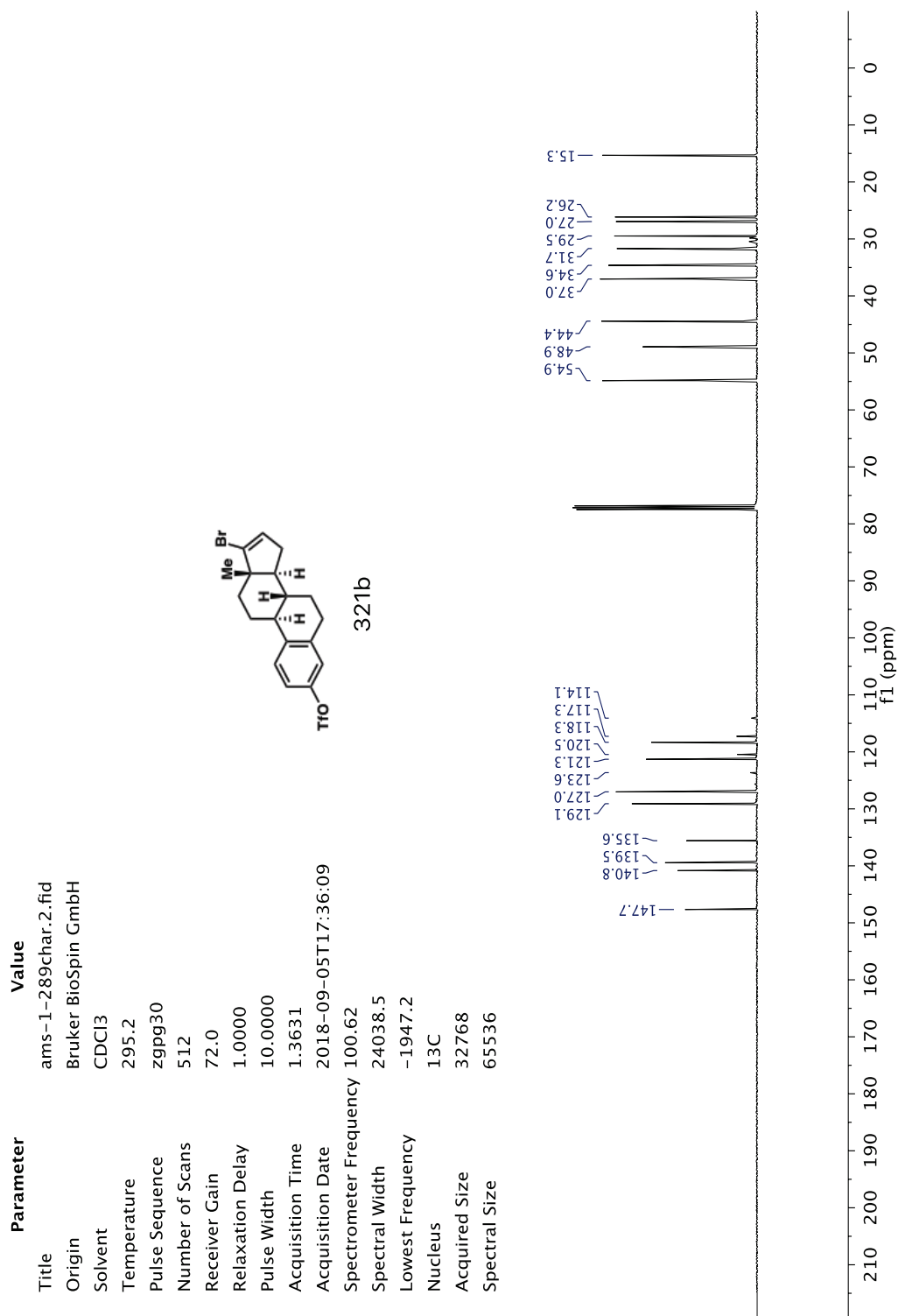


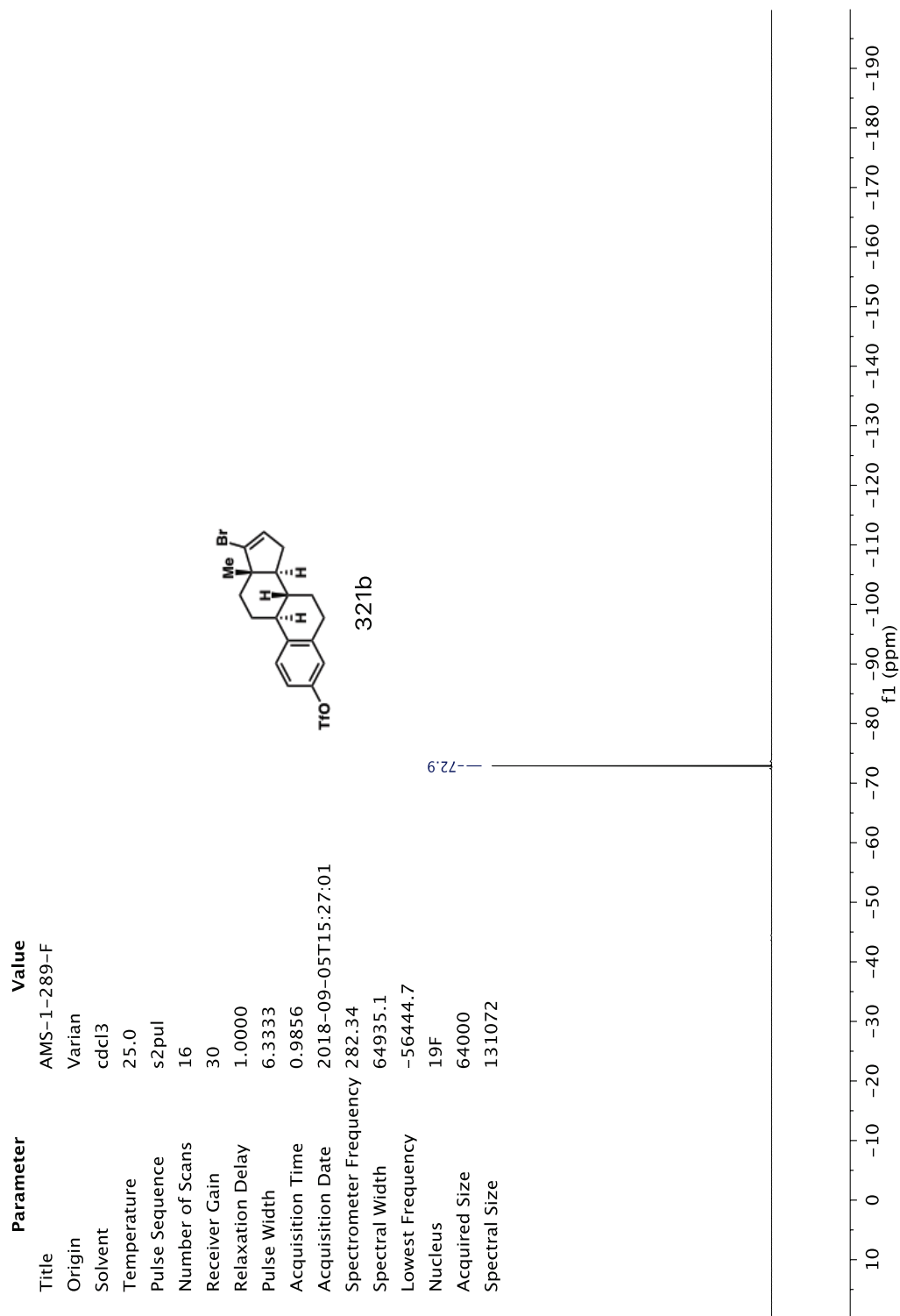


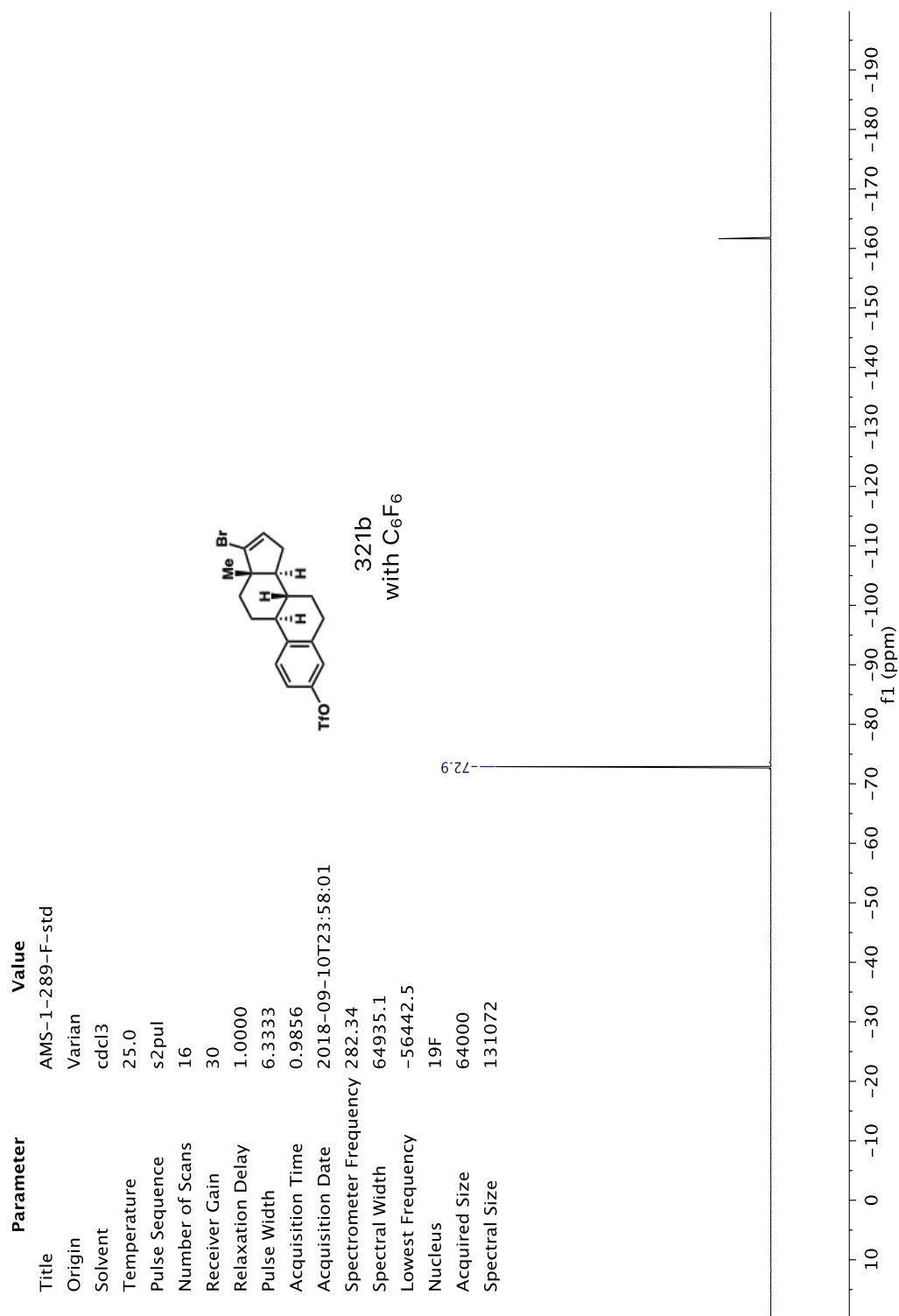
Parameter	Value
Title	JLH-7-248-column.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	297.1
Pulse Sequence	zgpg30
Number of Scans	256
Receiver Gain	72.0
Relaxation Delay	1.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2018-05-28T06:16:29
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1946.0
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

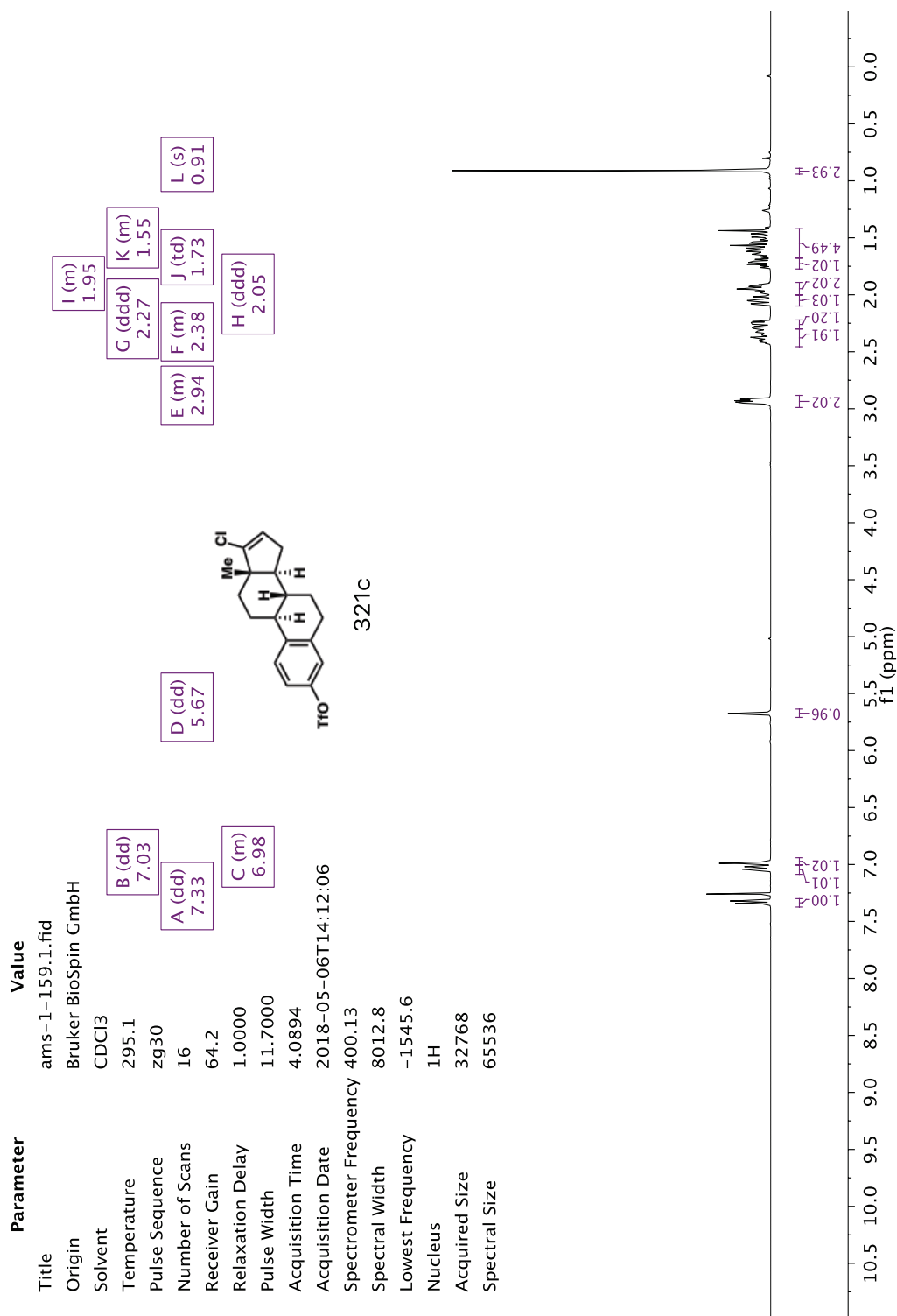




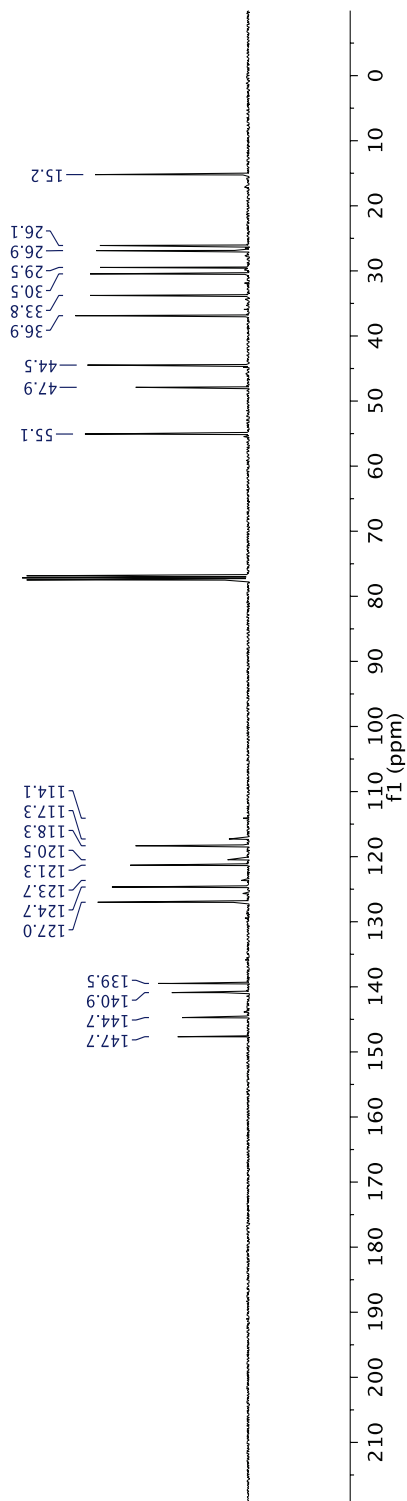
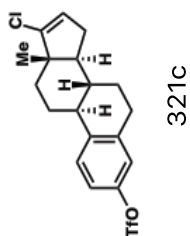




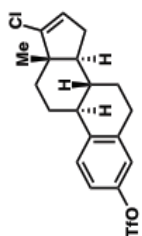




Parameter	Value
Title	ams-1-159.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.2
Pulse Sequence	zgpg30
Number of Scans	256
Receiver Gain	78.7
Relaxation Delay	1.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2018-05-06T14:22:58
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1946.1
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536



Parameter	Value
Title	AMS-1-159-F
Origin	Varian
Solvent	cdcl3
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	16
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	6.3333
Acquisition Time	0.9856
Acquisition Date	2018-06-14T01:56:19
Spectrometer Frequency	282.34
Spectral Width	64935.1
Lowest Frequency	-56468.7
Nucleus	19F
Acquired Size	64000
Spectral Size	131072



321c

-72.9

