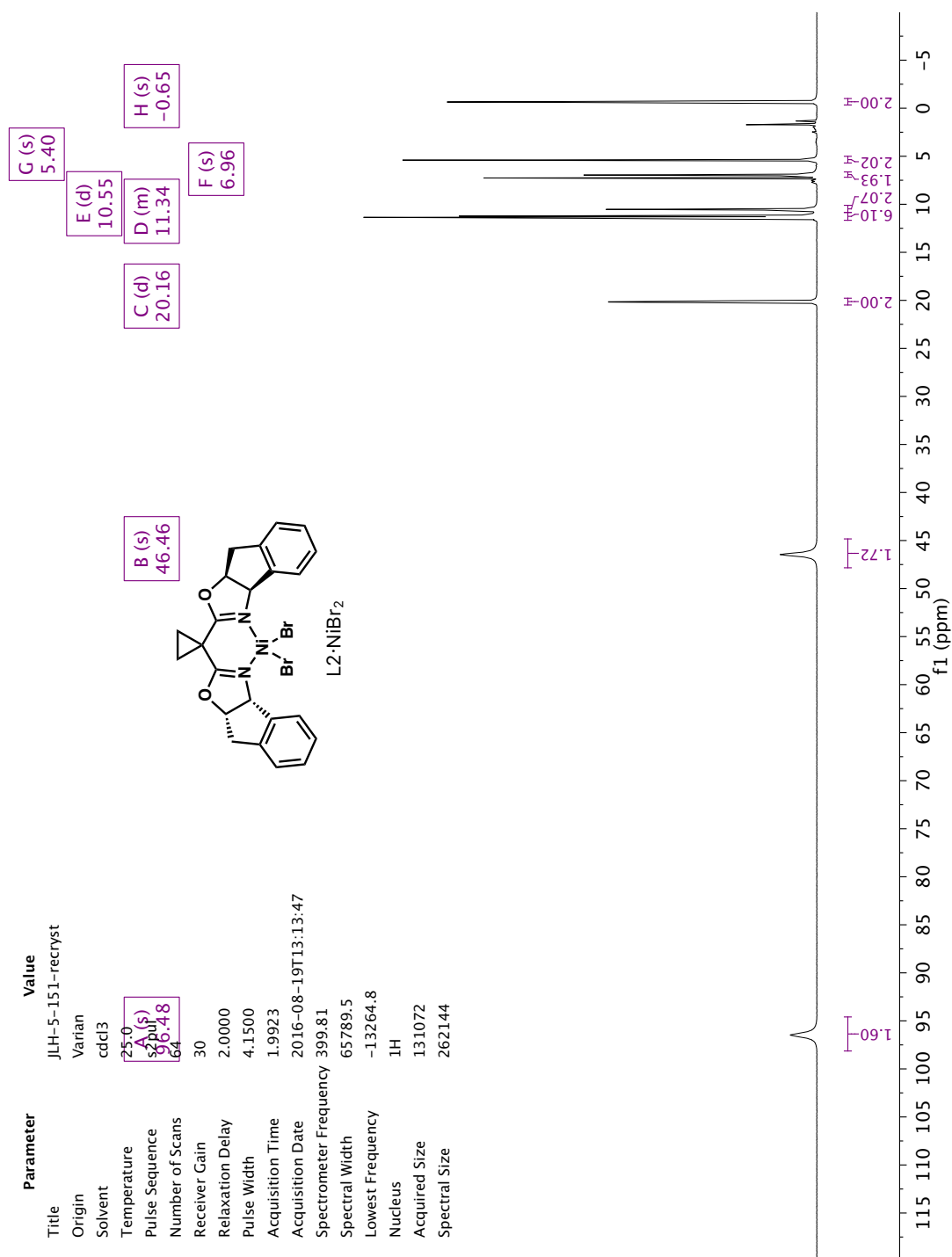


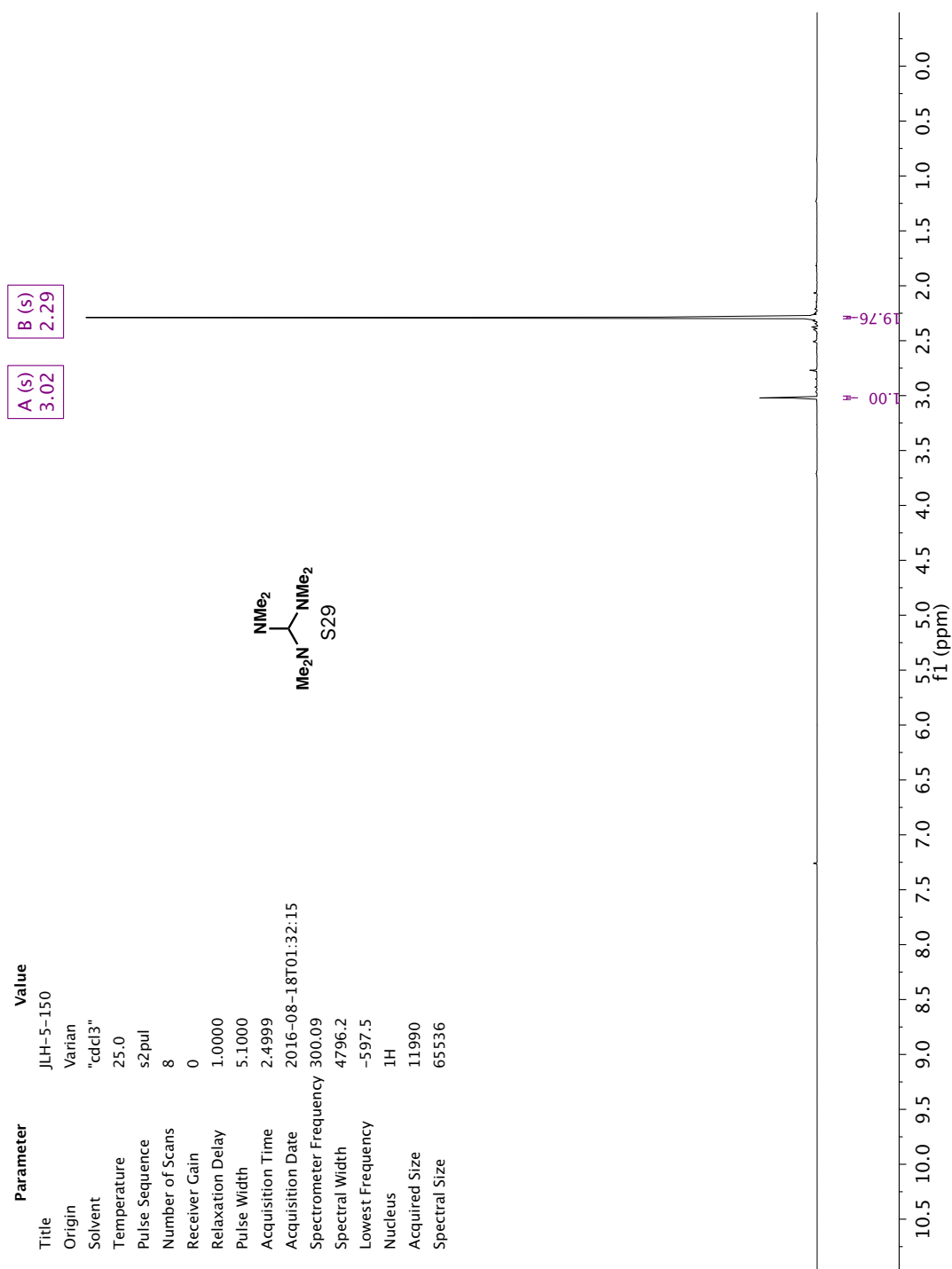
Appendix 3

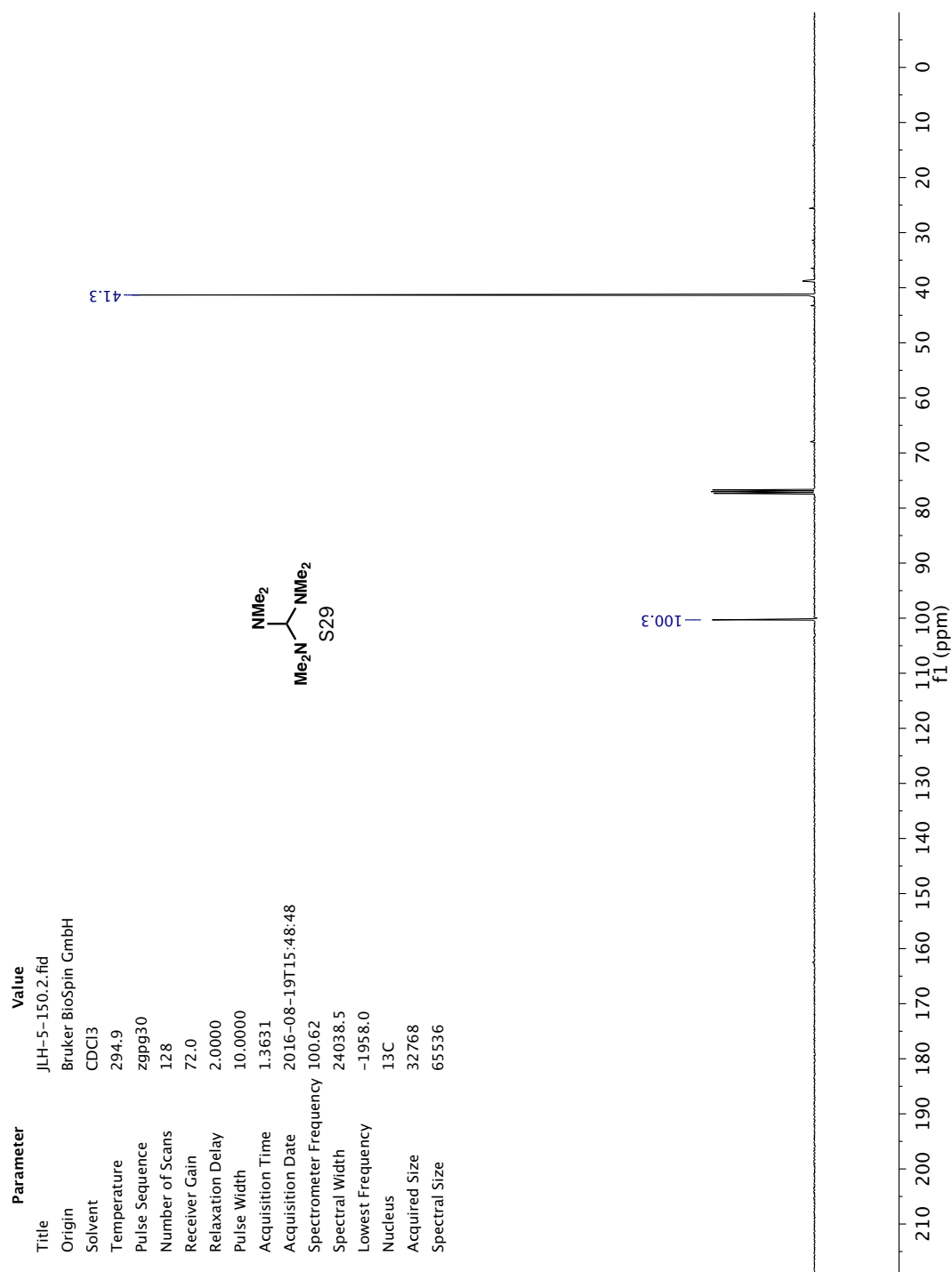
Spectra Relevant to Chapter 3:

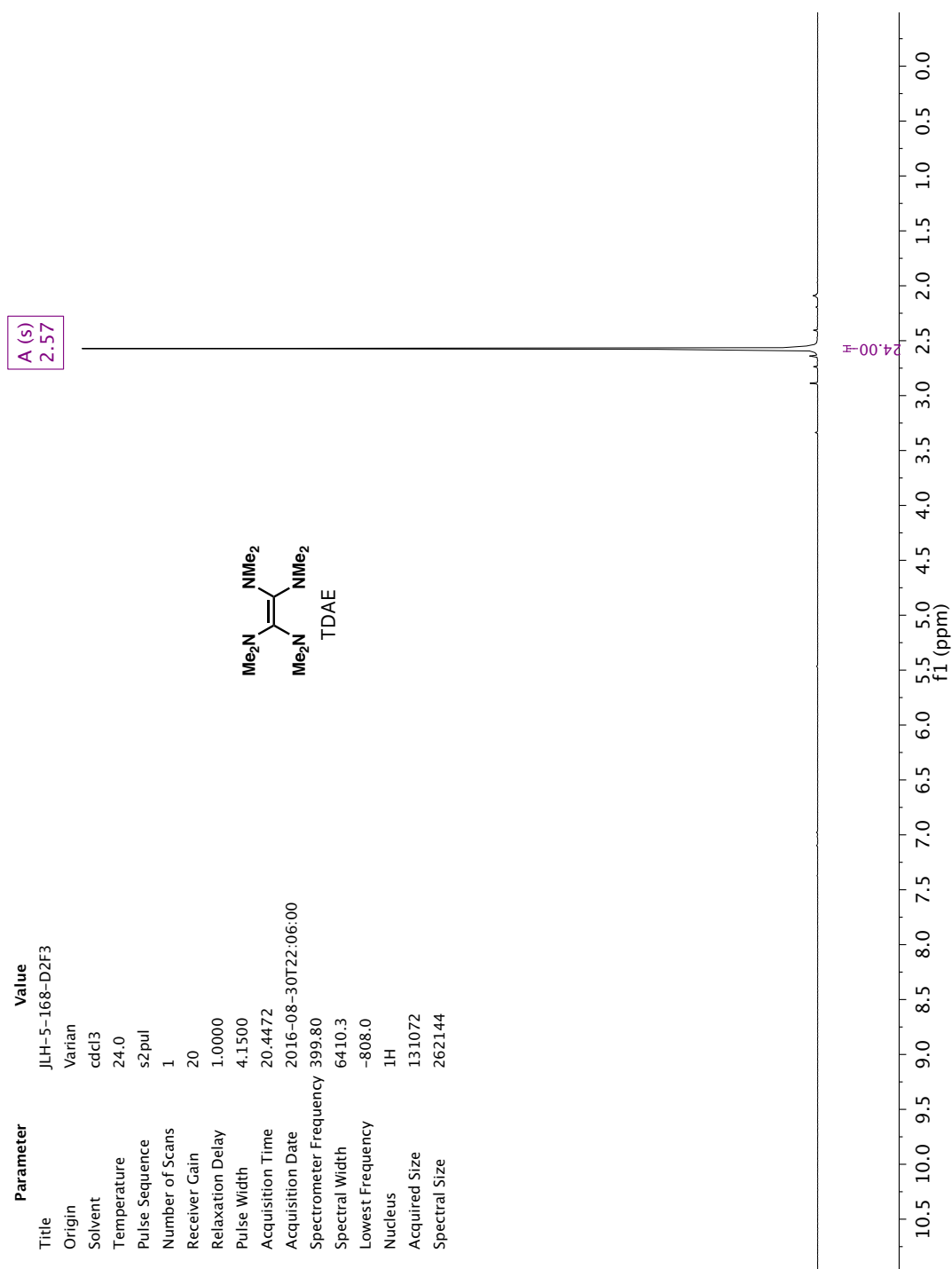
Decarboxylative Asymmetric Ni-Catalyzed Cross-Coupling of Benzylic

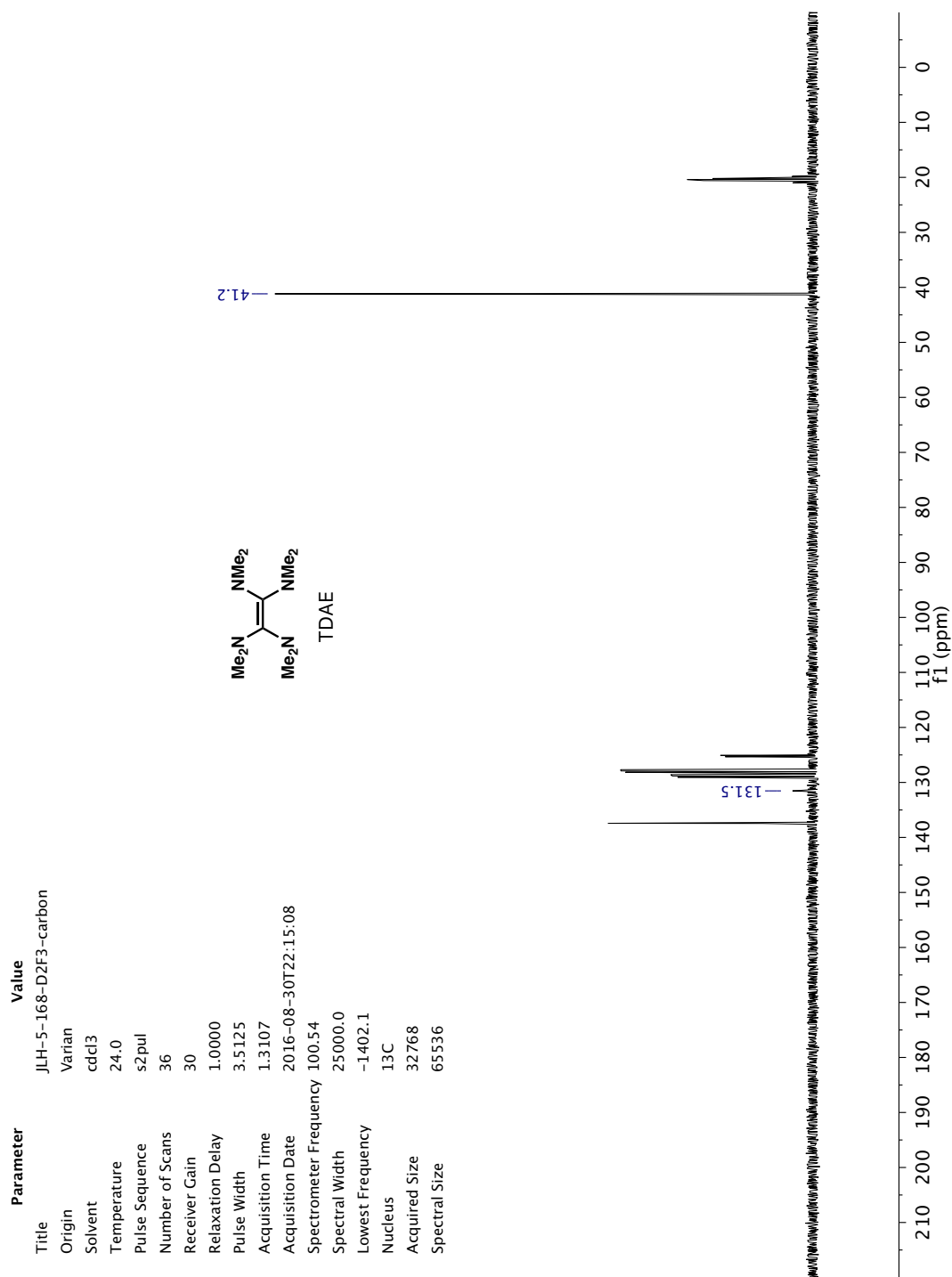
N-Hydroxyphthalimide Esters and Alkenyl Bromides

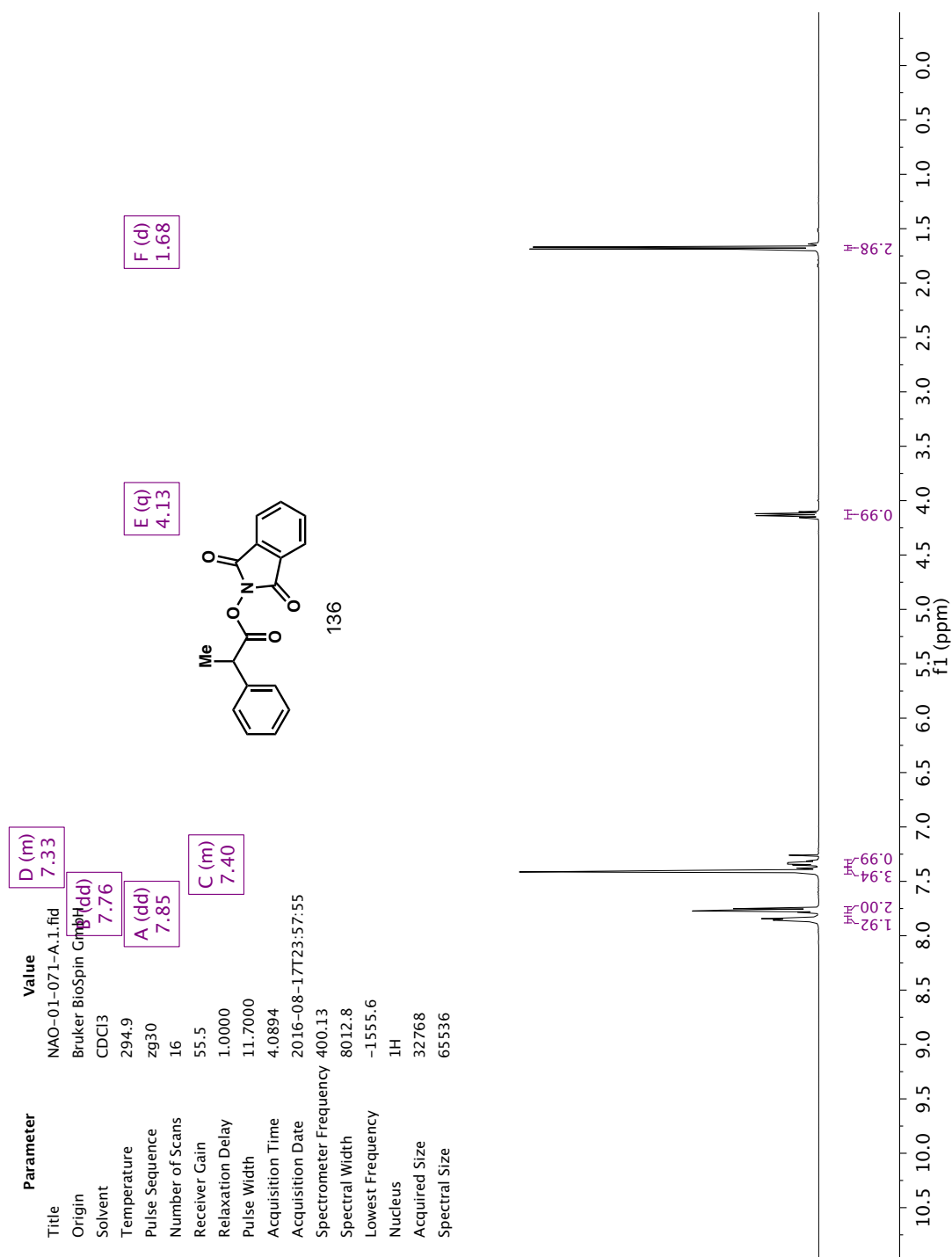




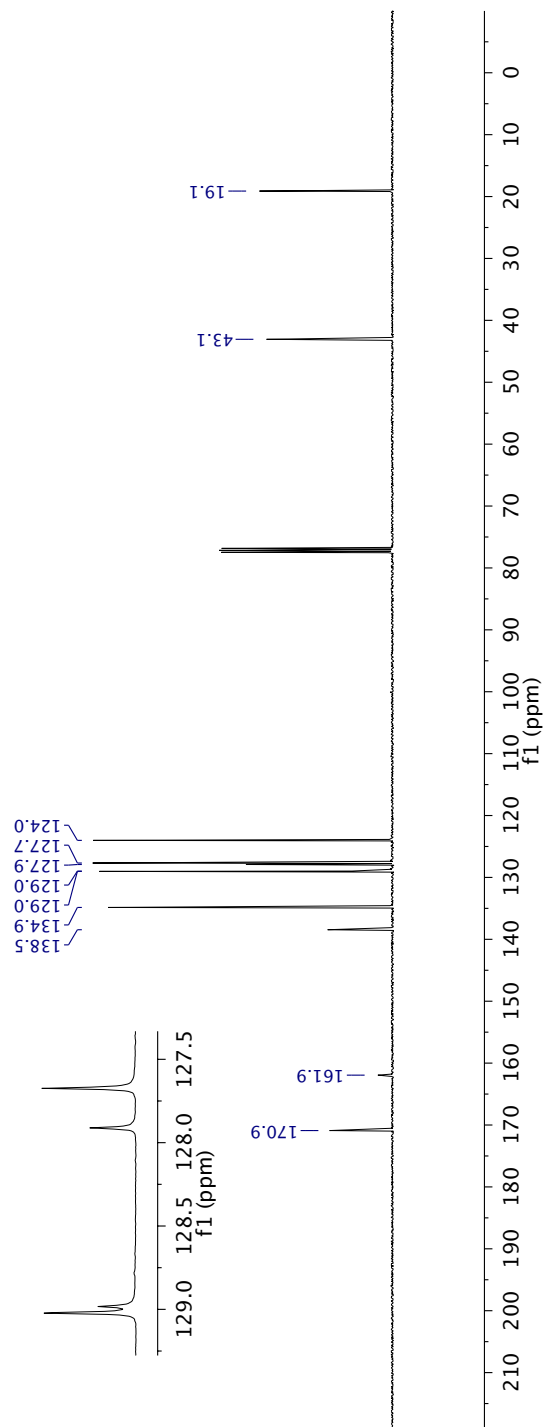
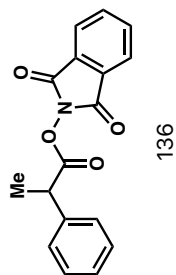


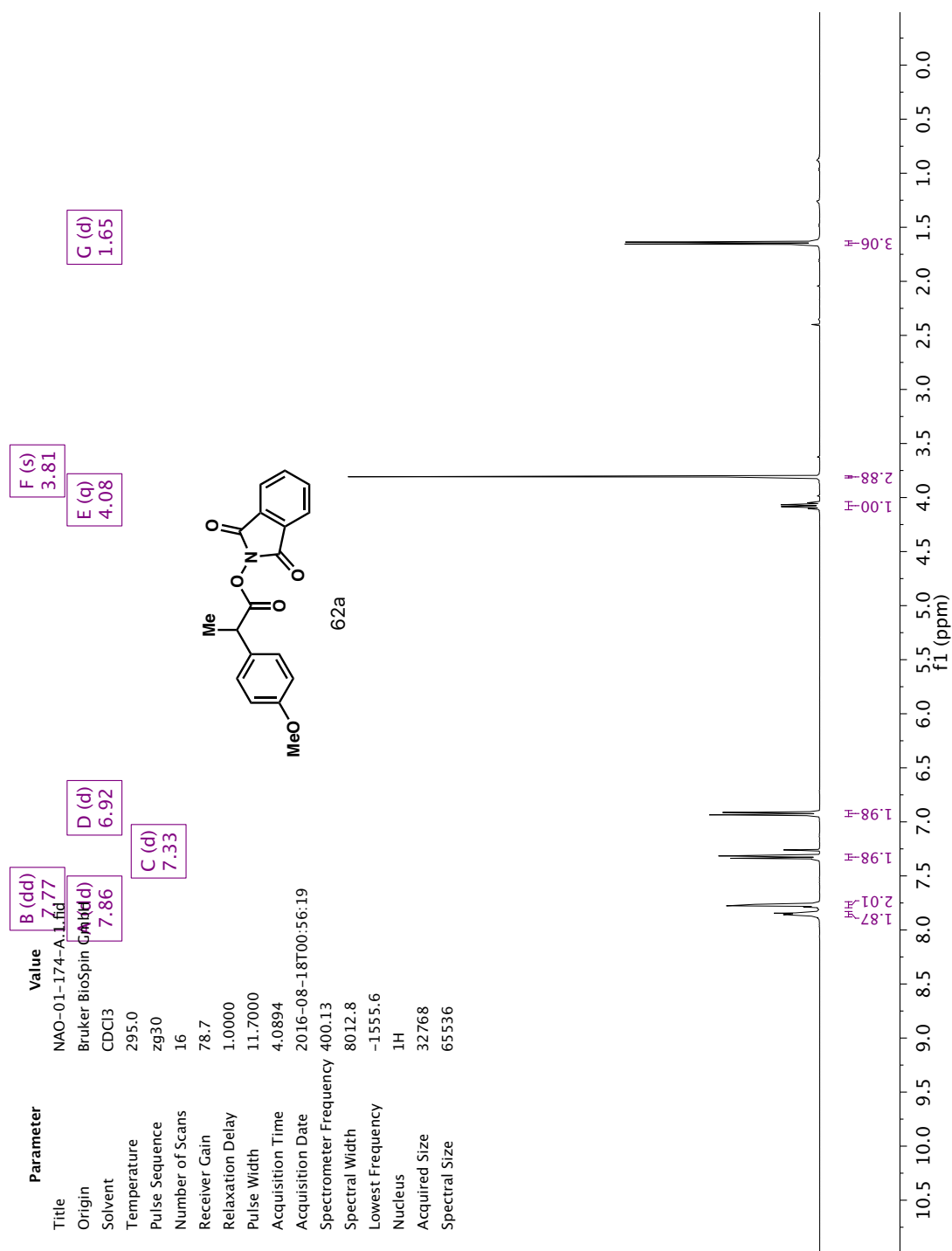


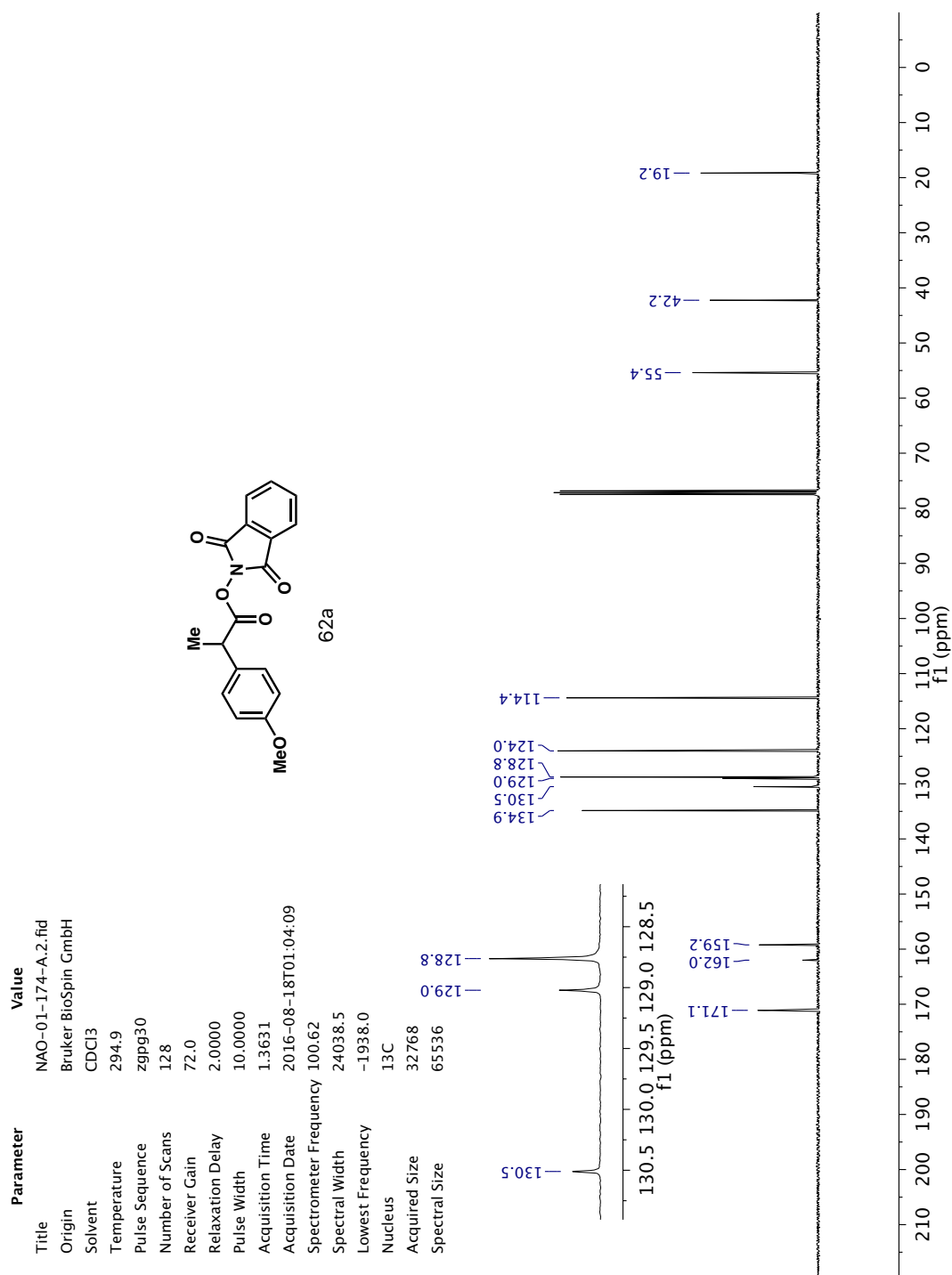


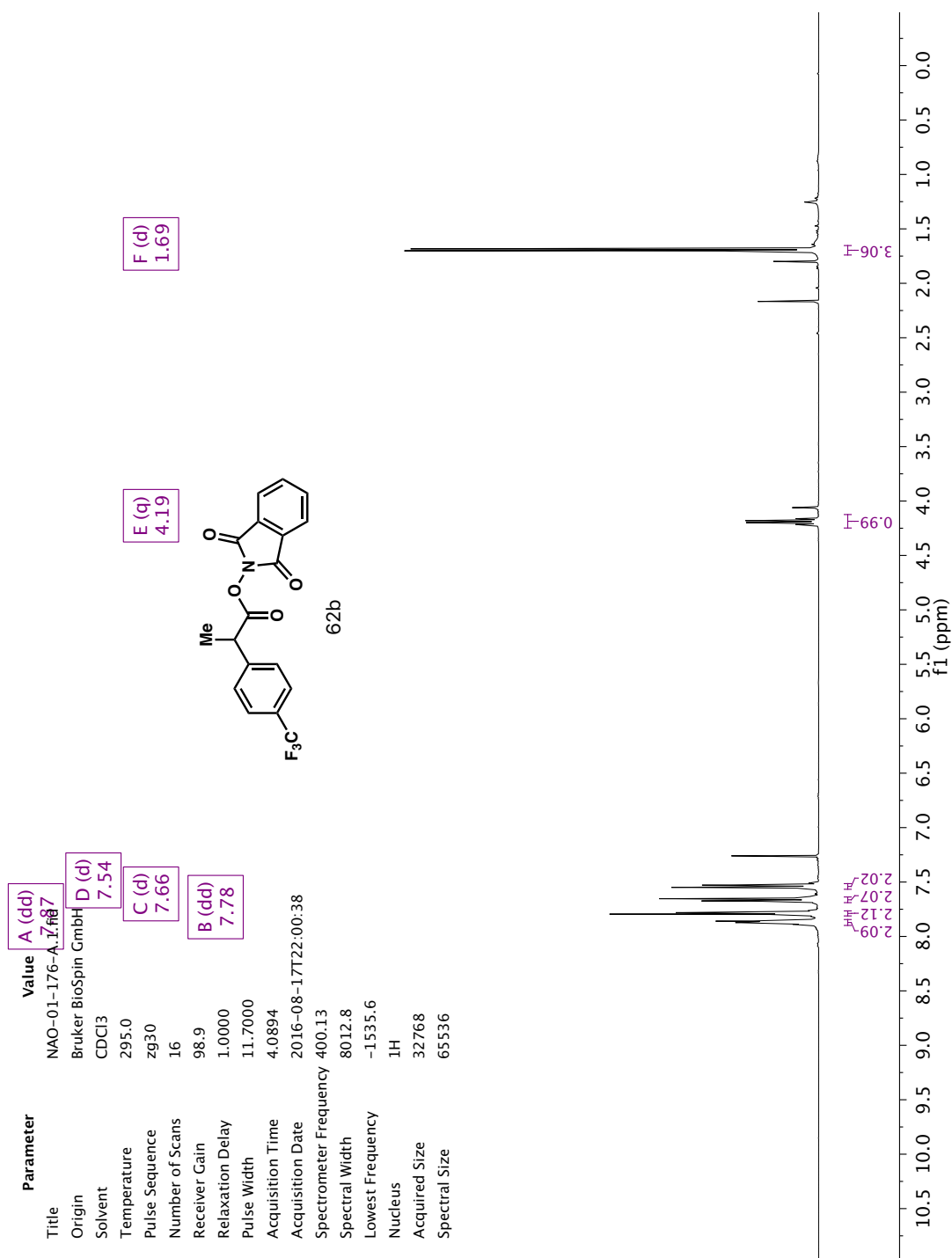


Parameter	Value
Title	NAO-01-071-A.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.0
Pulse Sequence	zgpg30
Number of Scans	128
Receiver Gain	64.2
Relaxation Delay	2.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2016-08-18T00:05:45
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1942.9
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

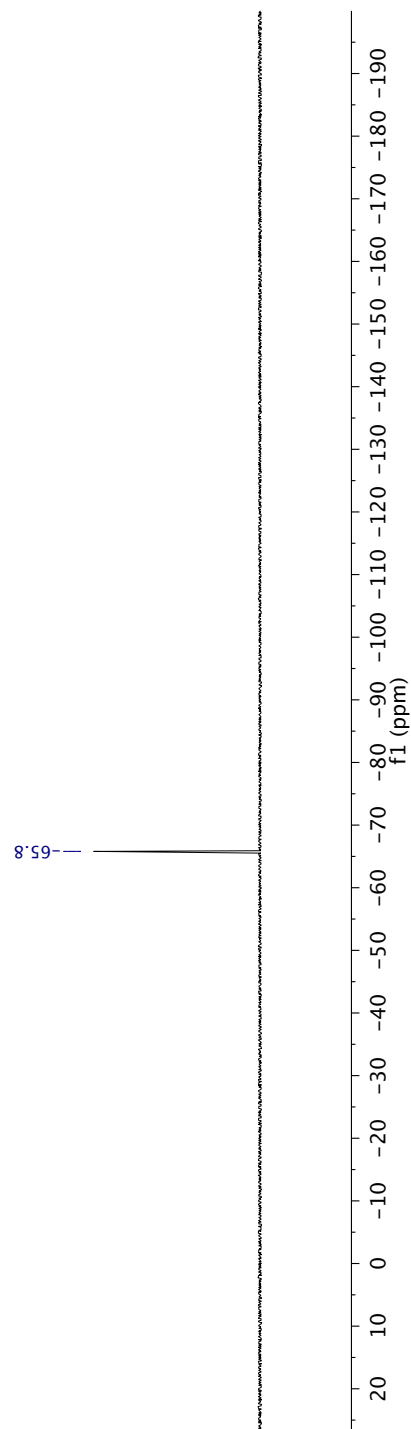
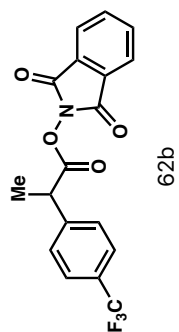


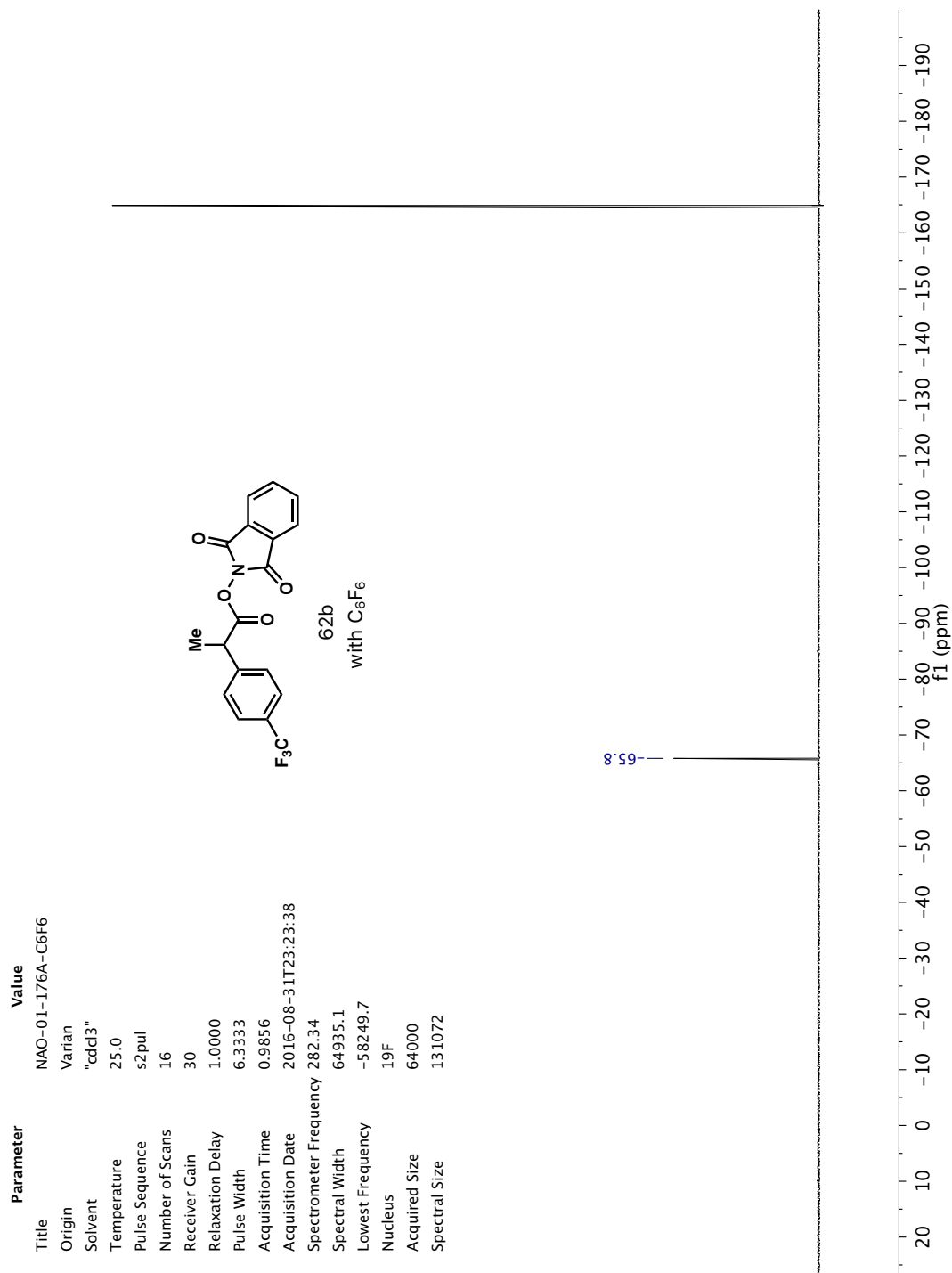


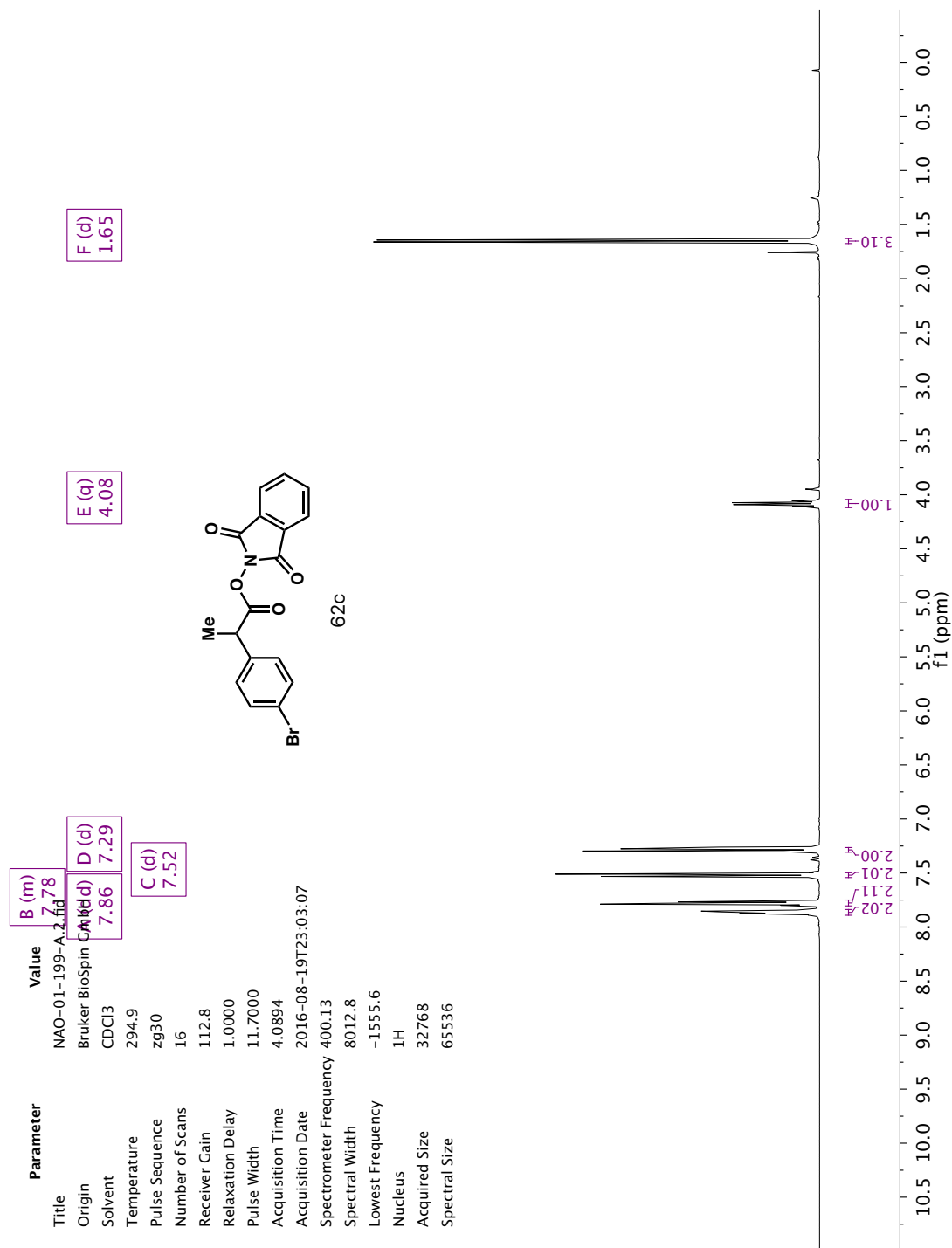




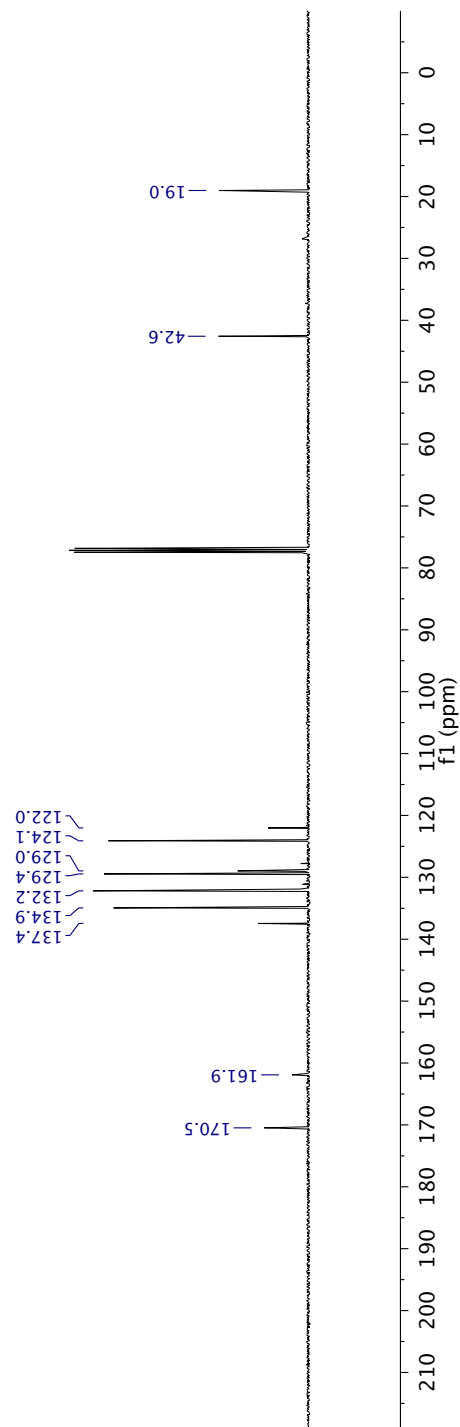
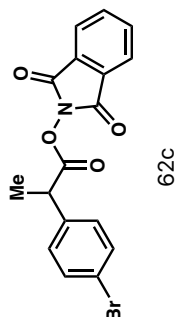
Parameter	Value
Title	NAO-01-176A
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	16
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	6.3333
Acquisition Time	0.9856
Acquisition Date	2016-08-31T23:19:24
Spectrometer Frequency	282.34
Spectral Width	64935.1
Lowest Frequency	-58259.3
Nucleus	¹⁹ F
Acquired Size	64000
Spectral Size	131072

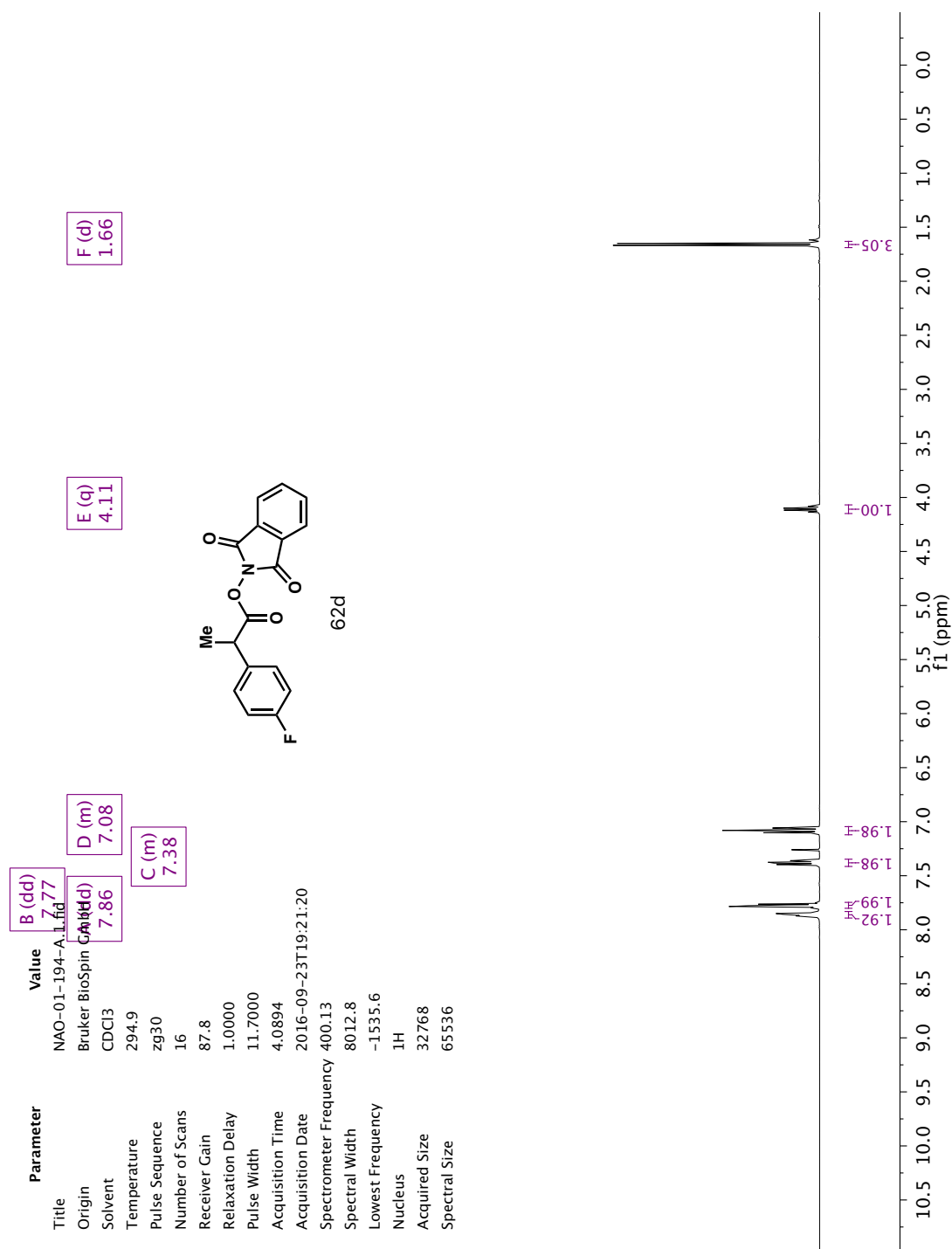


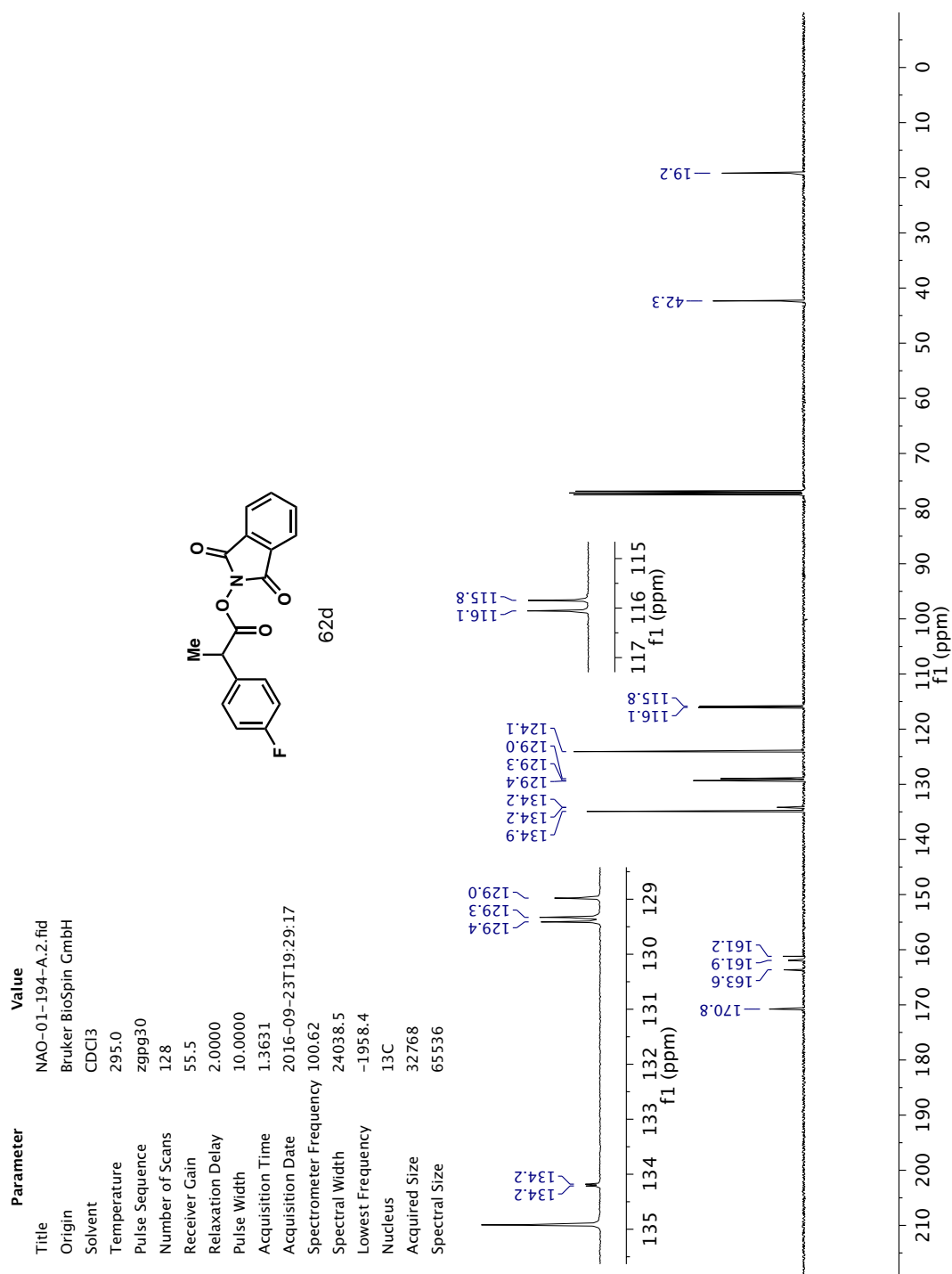




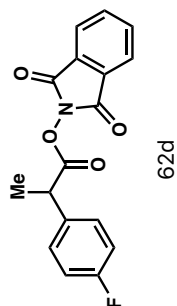
Parameter	Value
Title	NAO-01-199-A.3.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	294.9
Pulse Sequence	zgpg30
Number of Scans	128
Receiver Gain	72.0
Relaxation Delay	2.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2016-08-19T23:11:04
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1937.5
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536



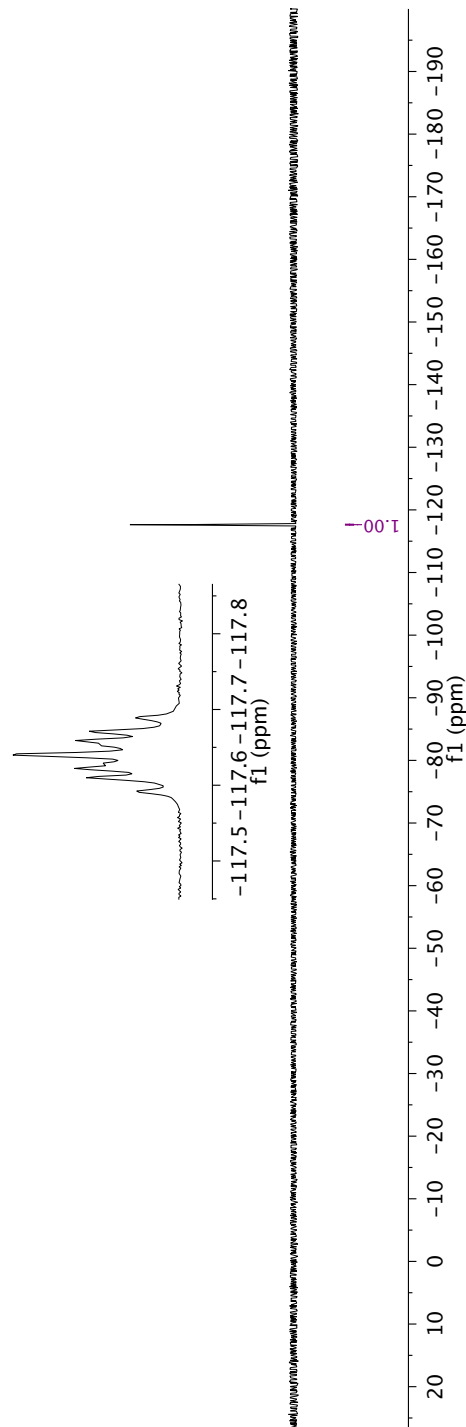


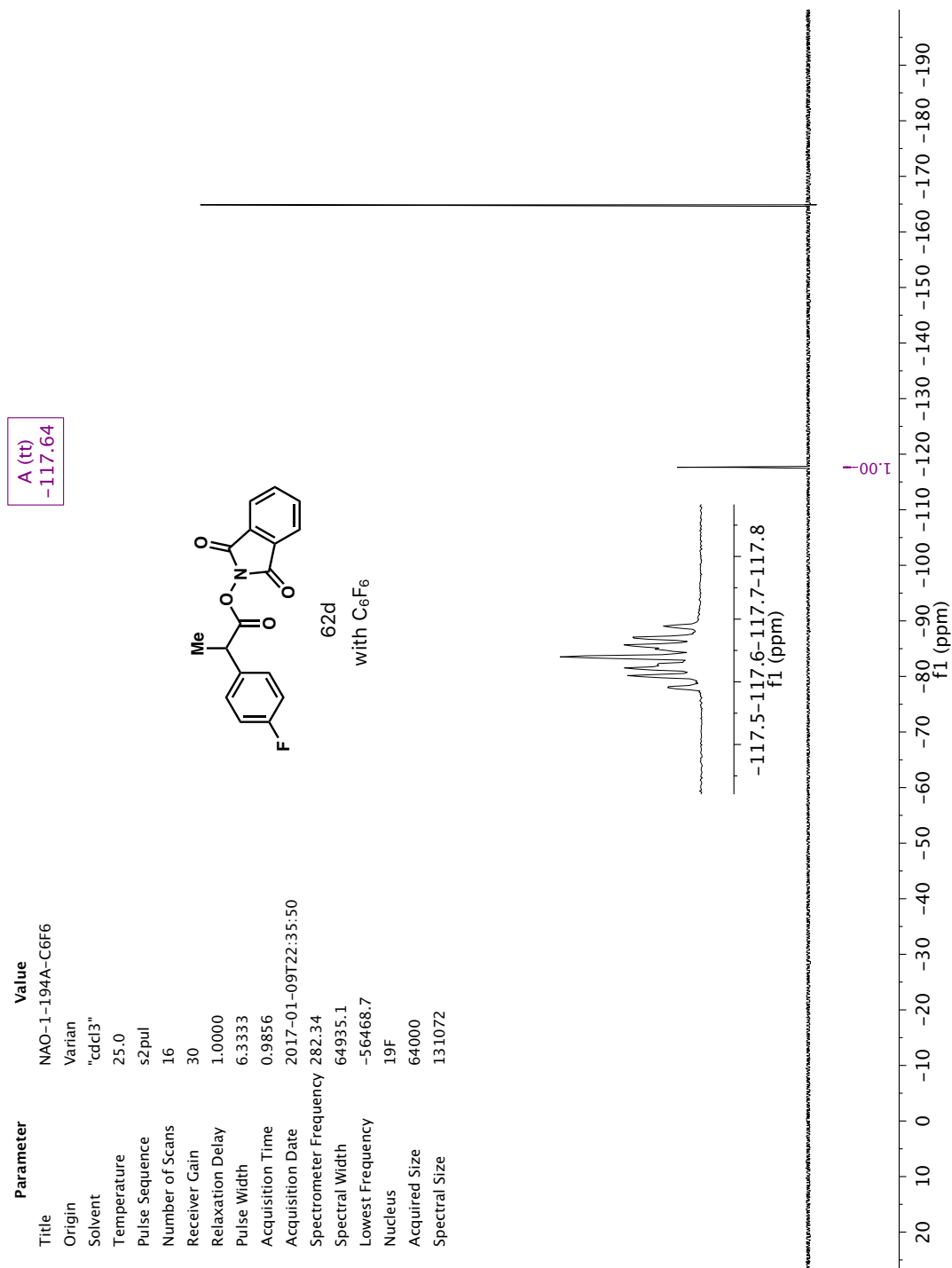


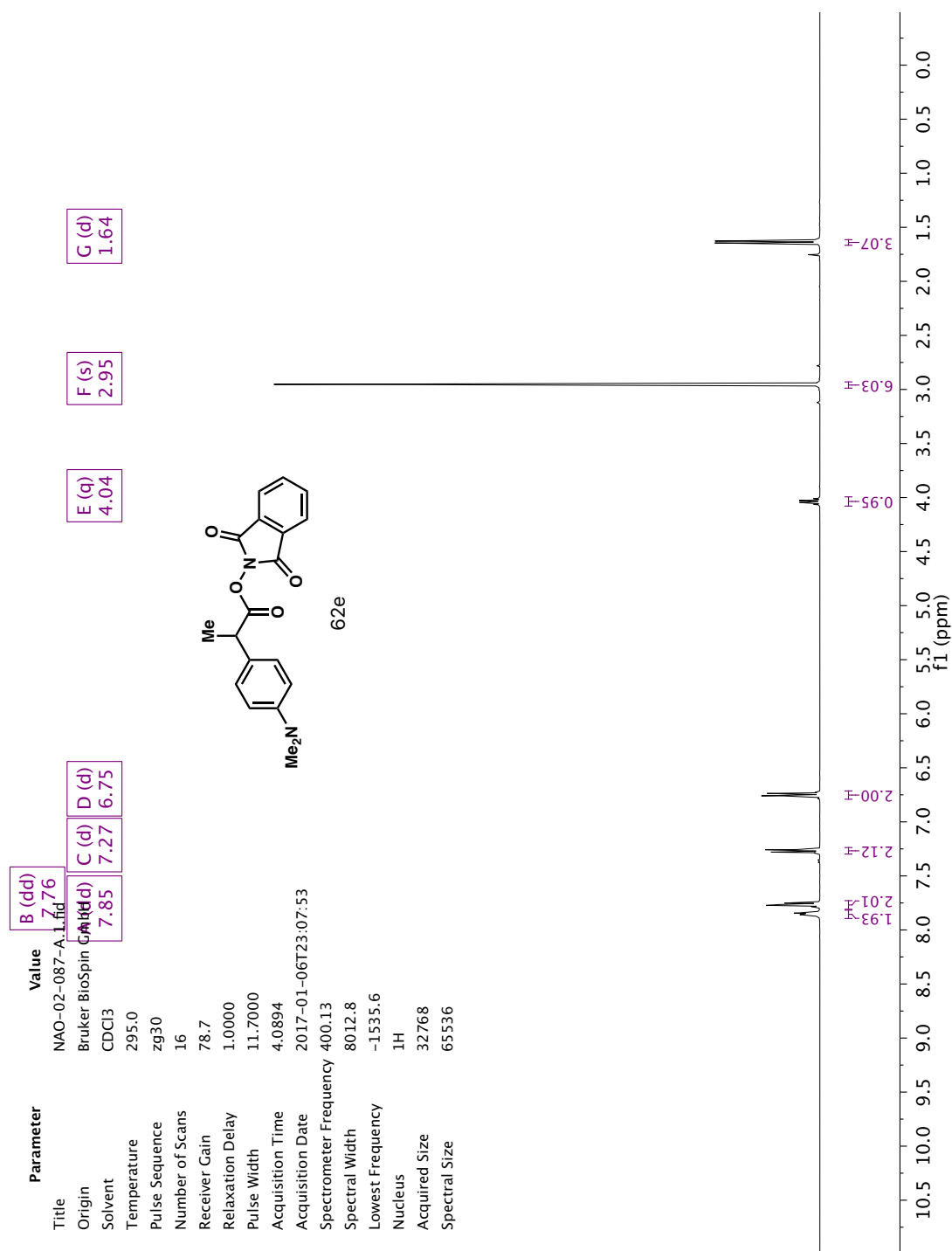
A (tt)
-117.64



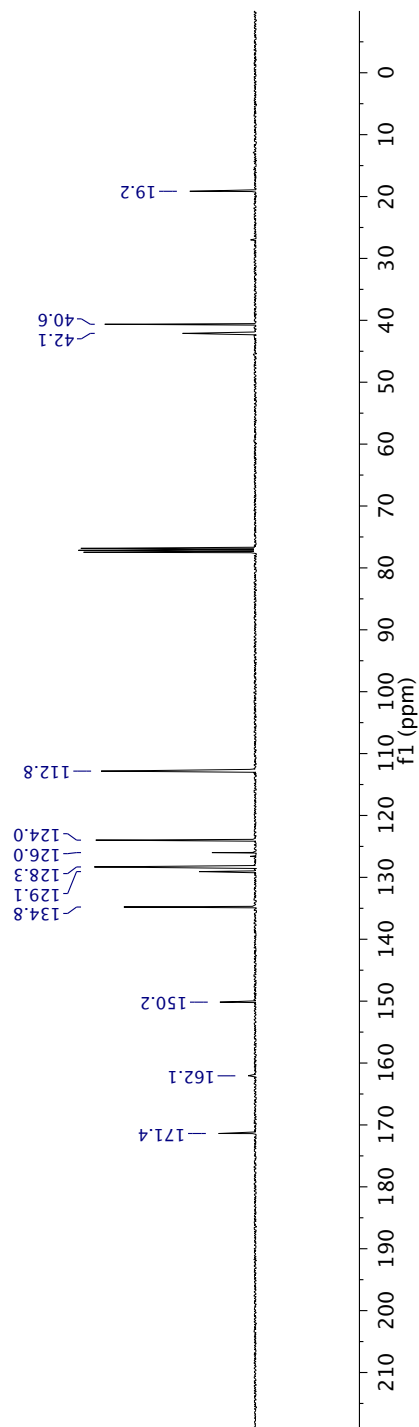
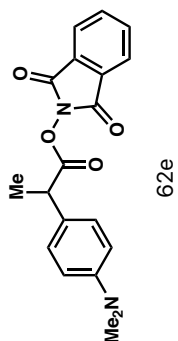
Parameter	Value
Title	NAO-1-194A
Origin	Varian
Solvent	"cdcl3"
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	16
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	6.3333
Acquisition Time	0.9856
Acquisition Date	2017-01-09T22:18:30
Spectrometer Frequency	282.34
Spectral Width	64935.1
Lowest Frequency	-56468.7
Nucleus	¹⁹ F
Acquired Size	64000
Spectral Size	131072

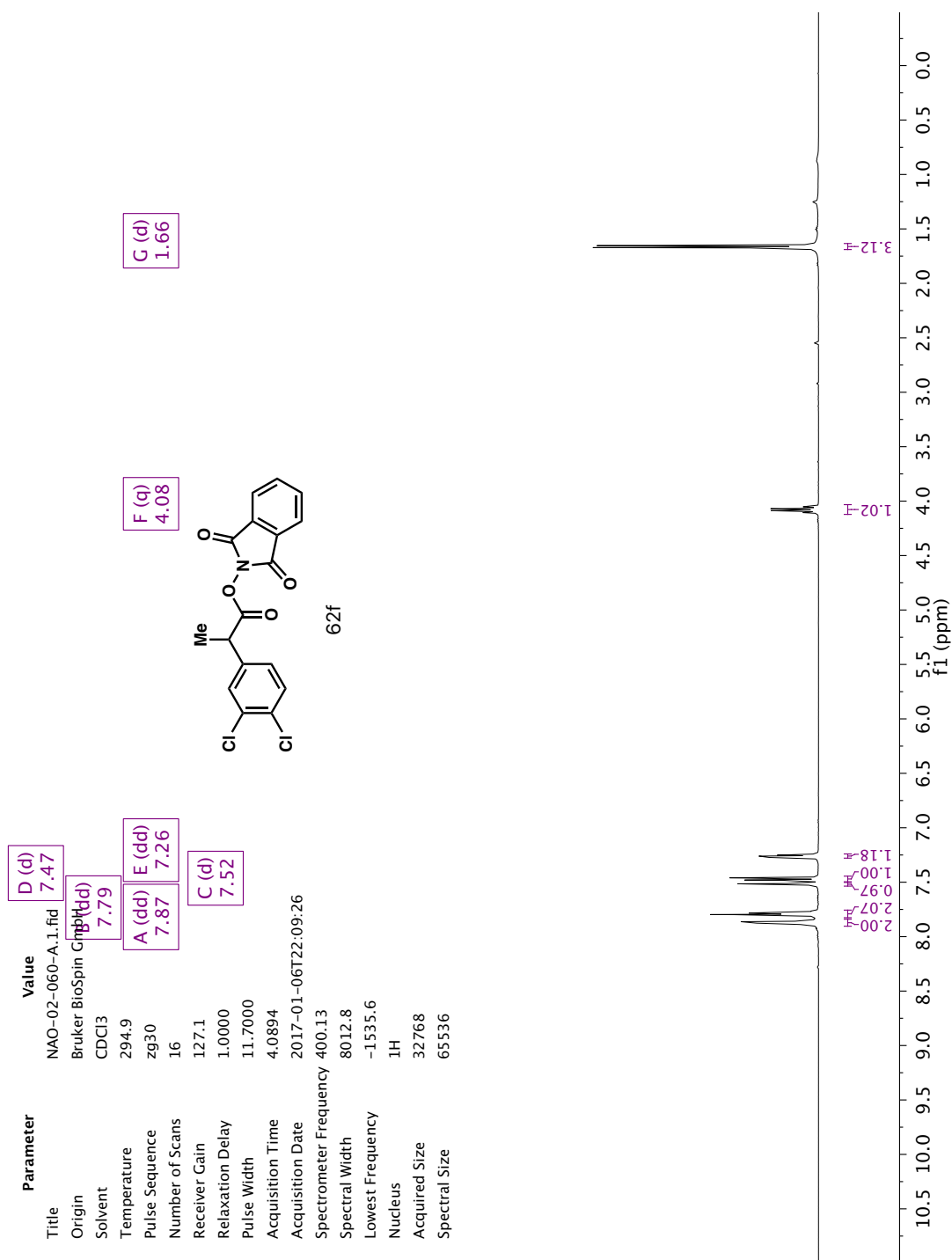




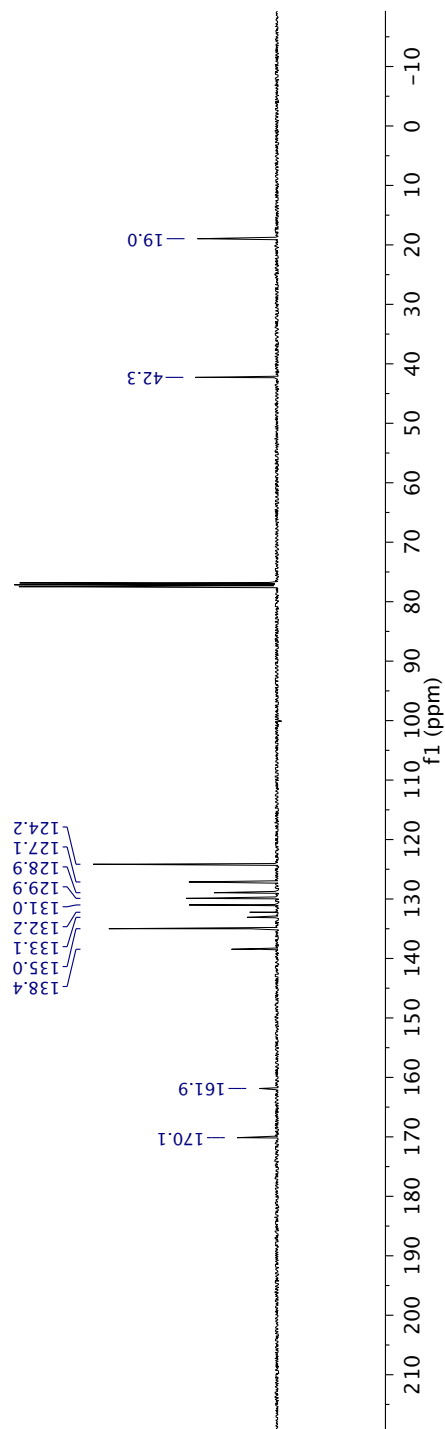
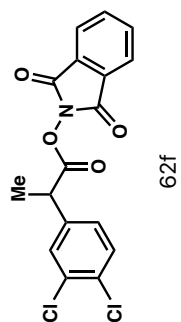


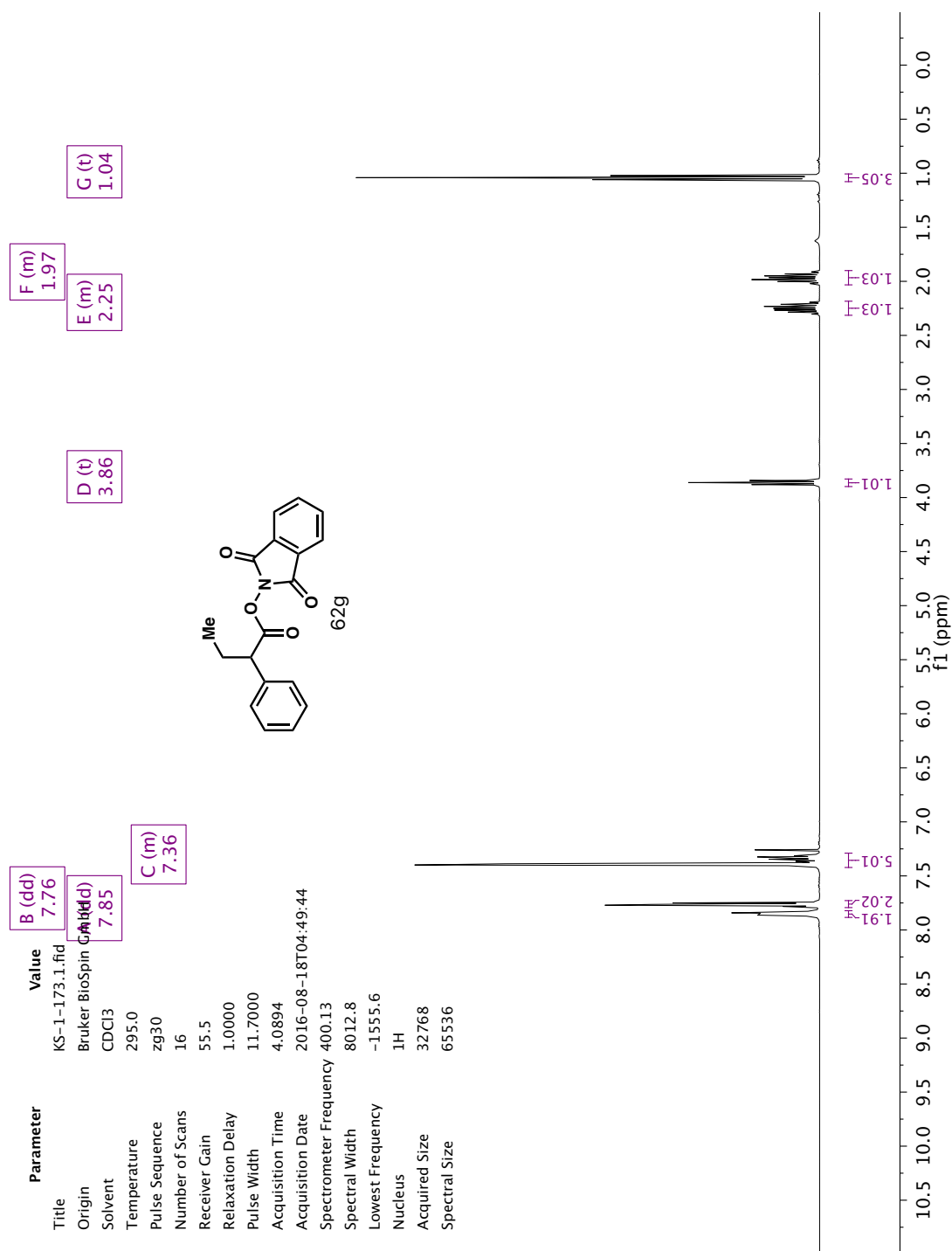
Parameter	Value
Title	NAO-02-087-A.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	294.9
Pulse Sequence	zgpg30
Number of Scans	128
Receiver Gain	78.7
Relaxation Delay	2.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2017-01-06T23:15:50
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1958.4
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

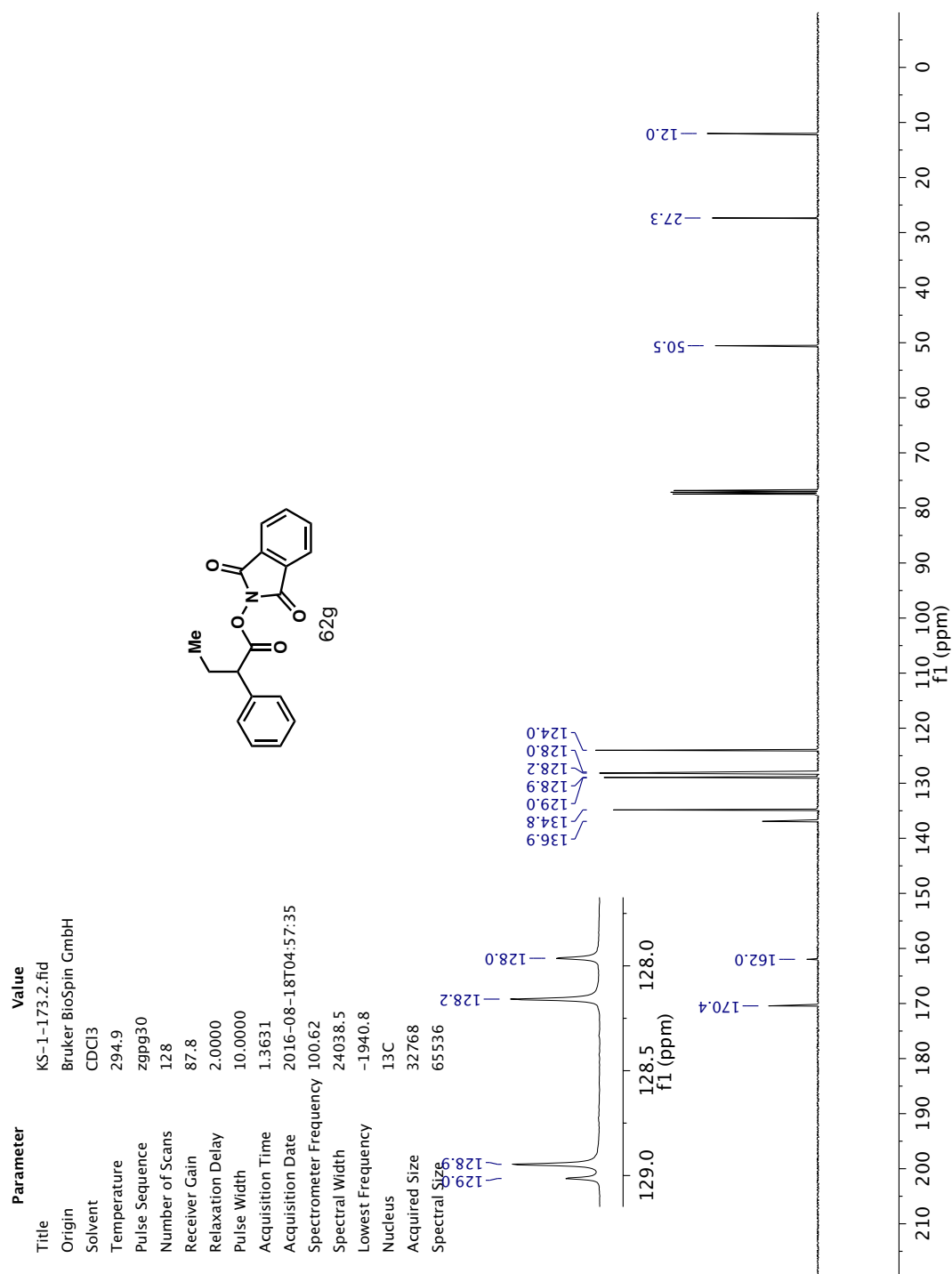


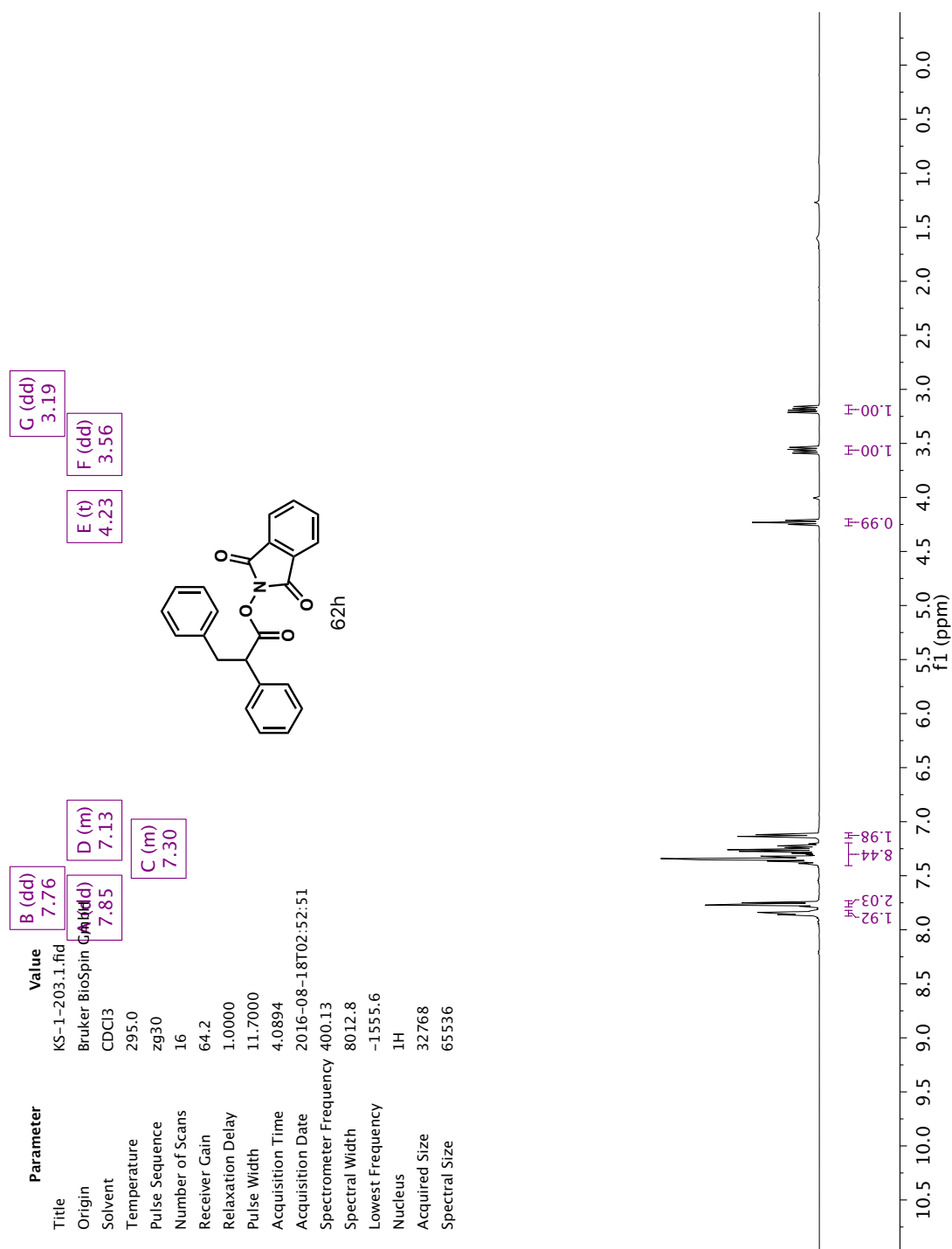


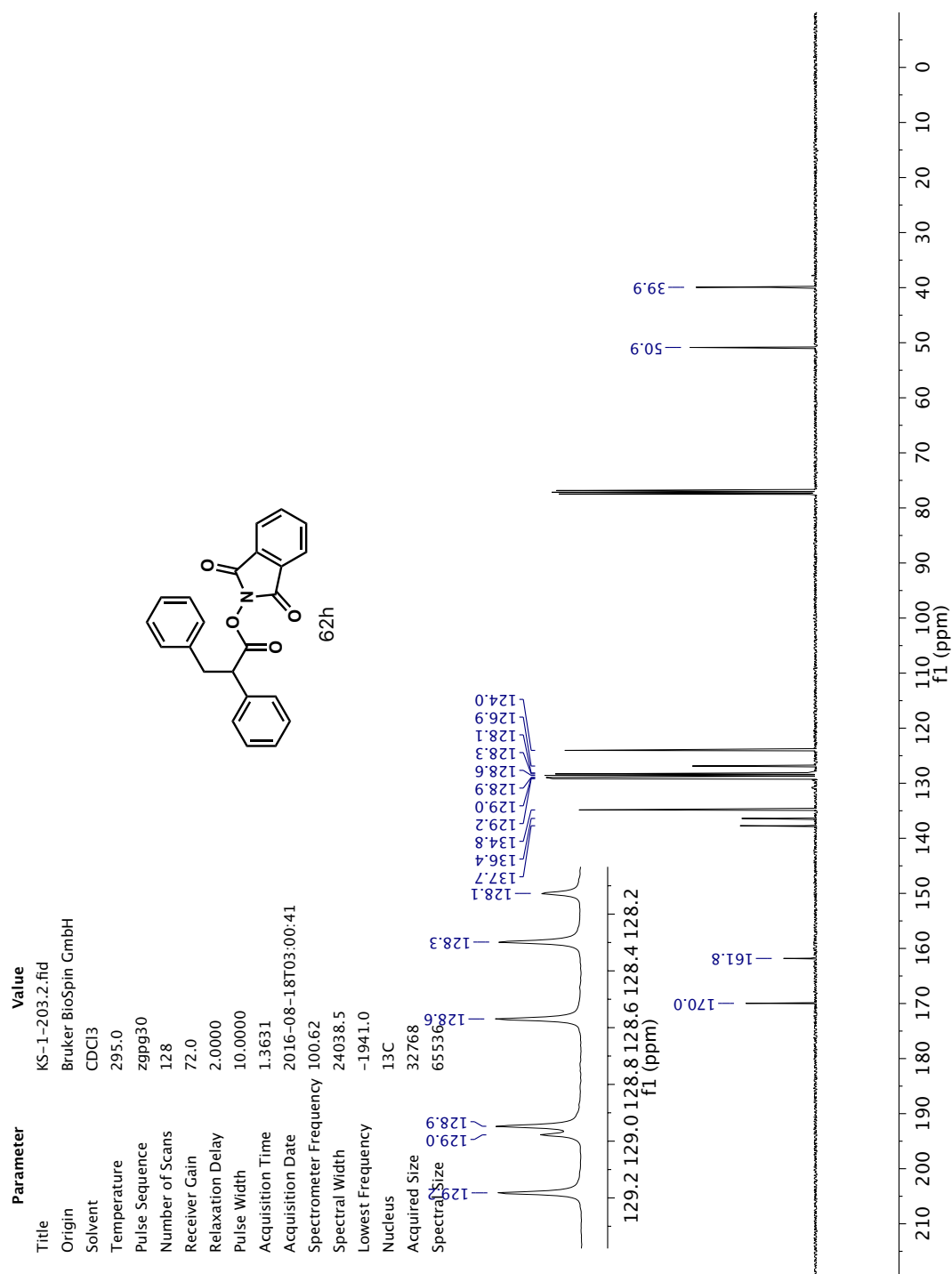
Parameter	Value
Title	NAO-02-060-A.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	294.9
Pulse Sequence	zgpg30
Number of Scans	128
Receiver Gain	64.2
Relaxation Delay	2.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2017-01-06T22:17:23
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1958.4
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

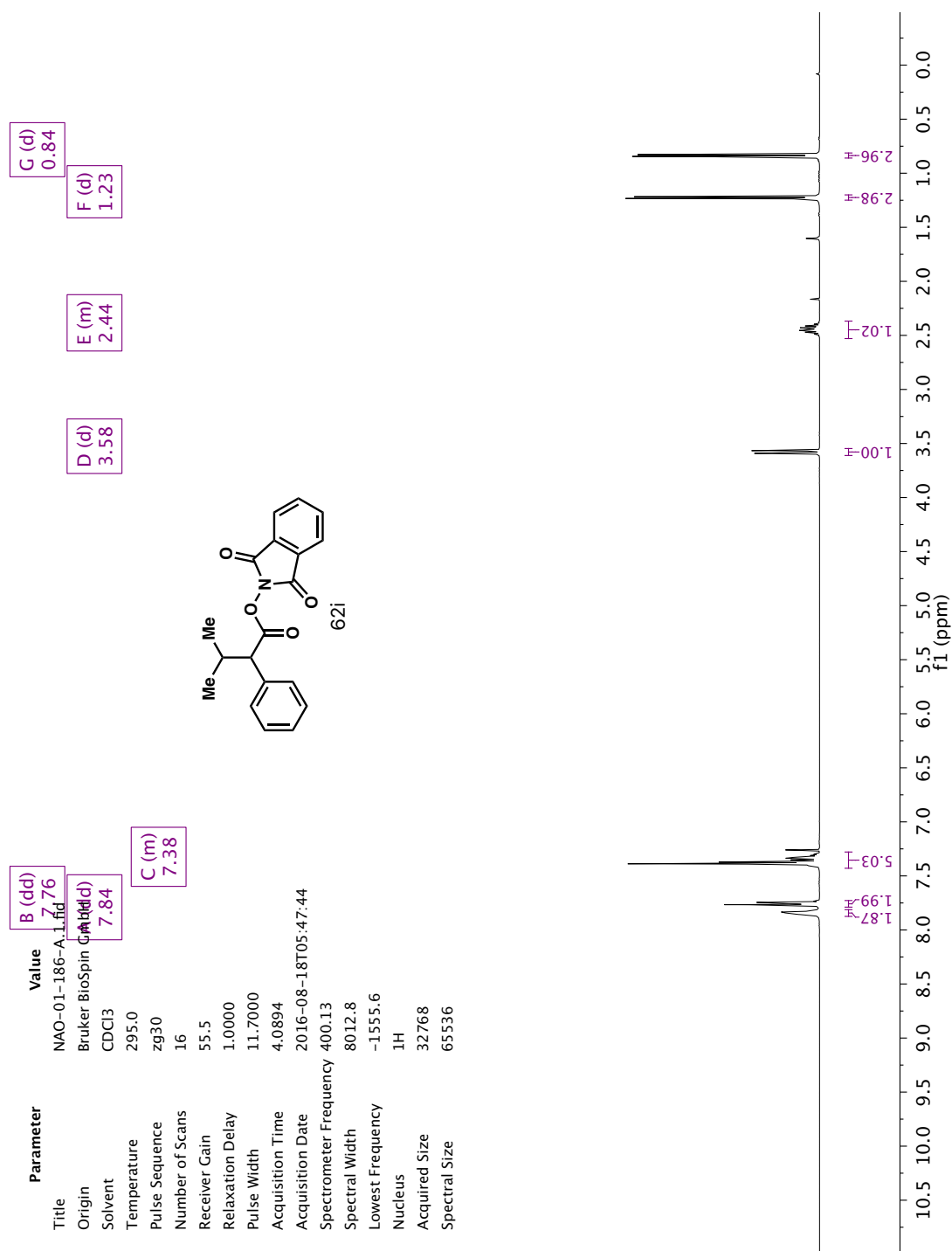


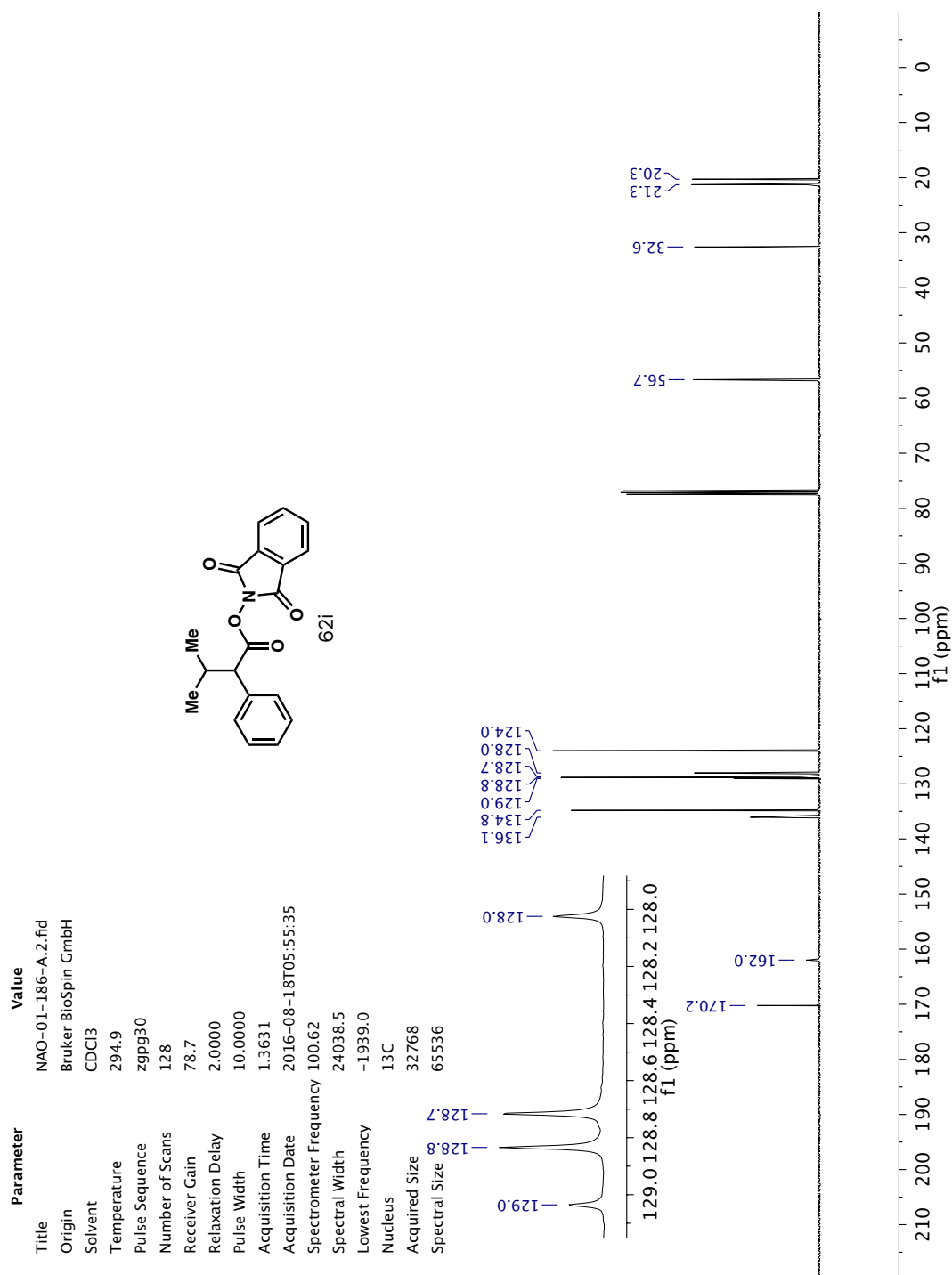


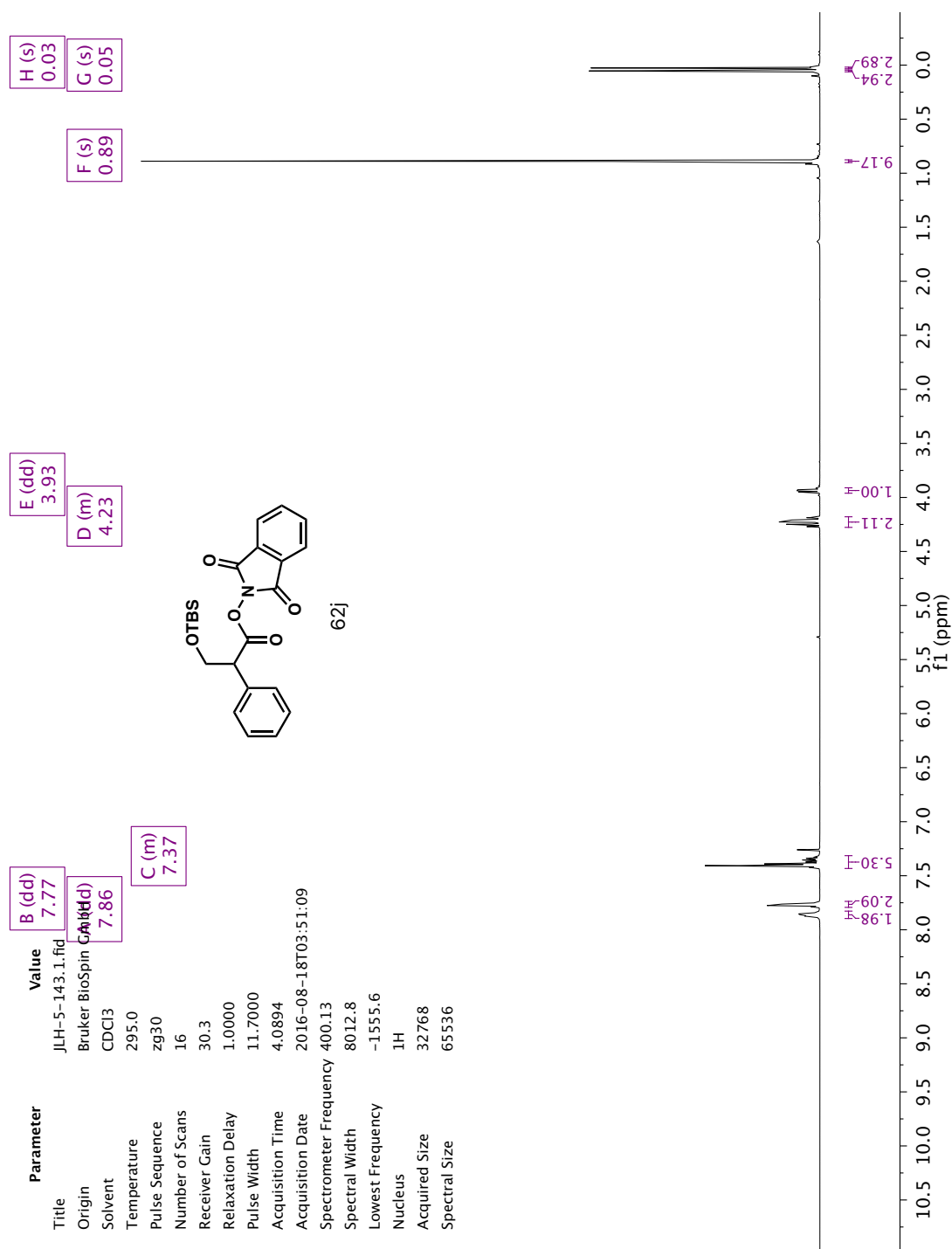


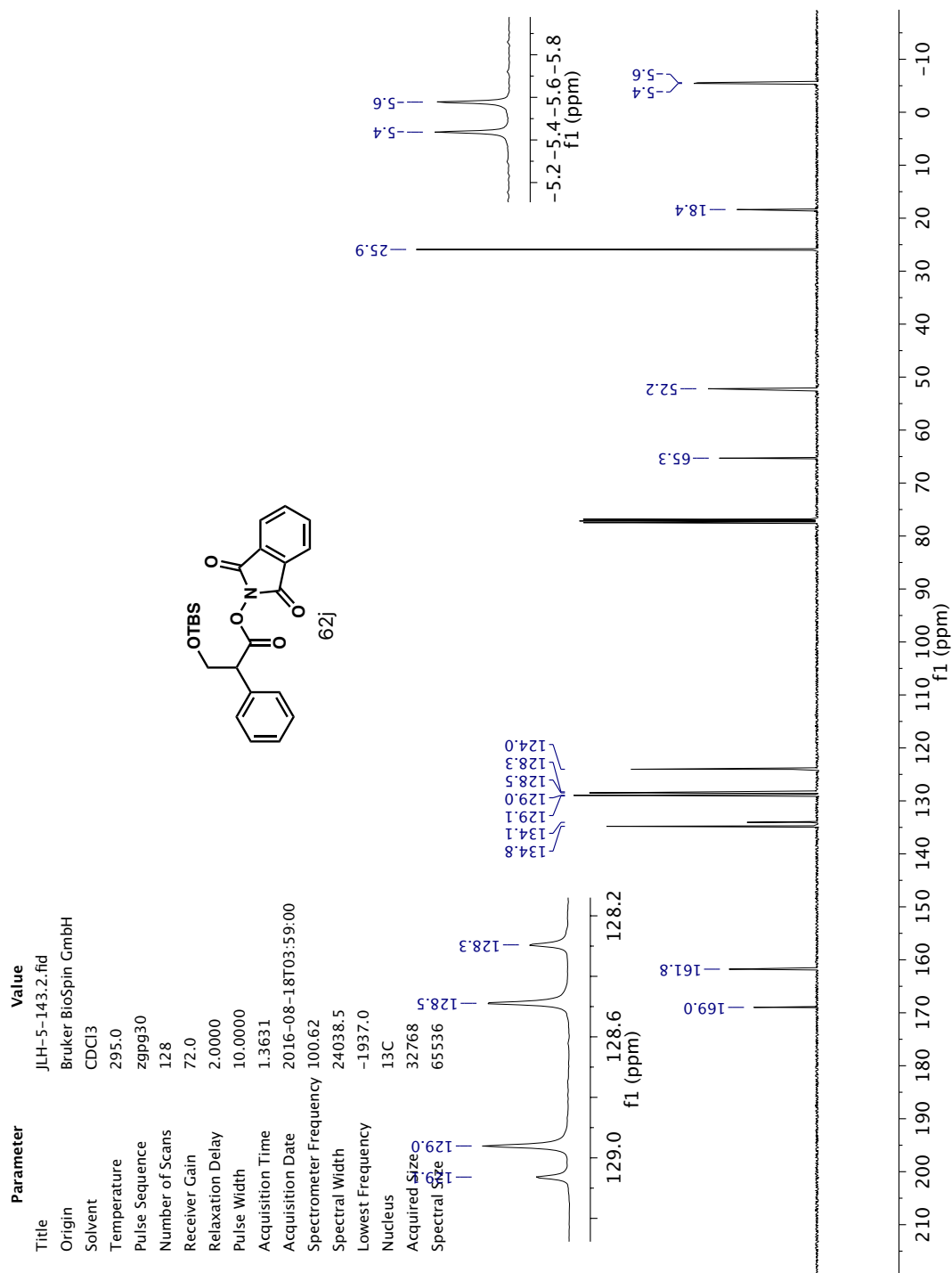


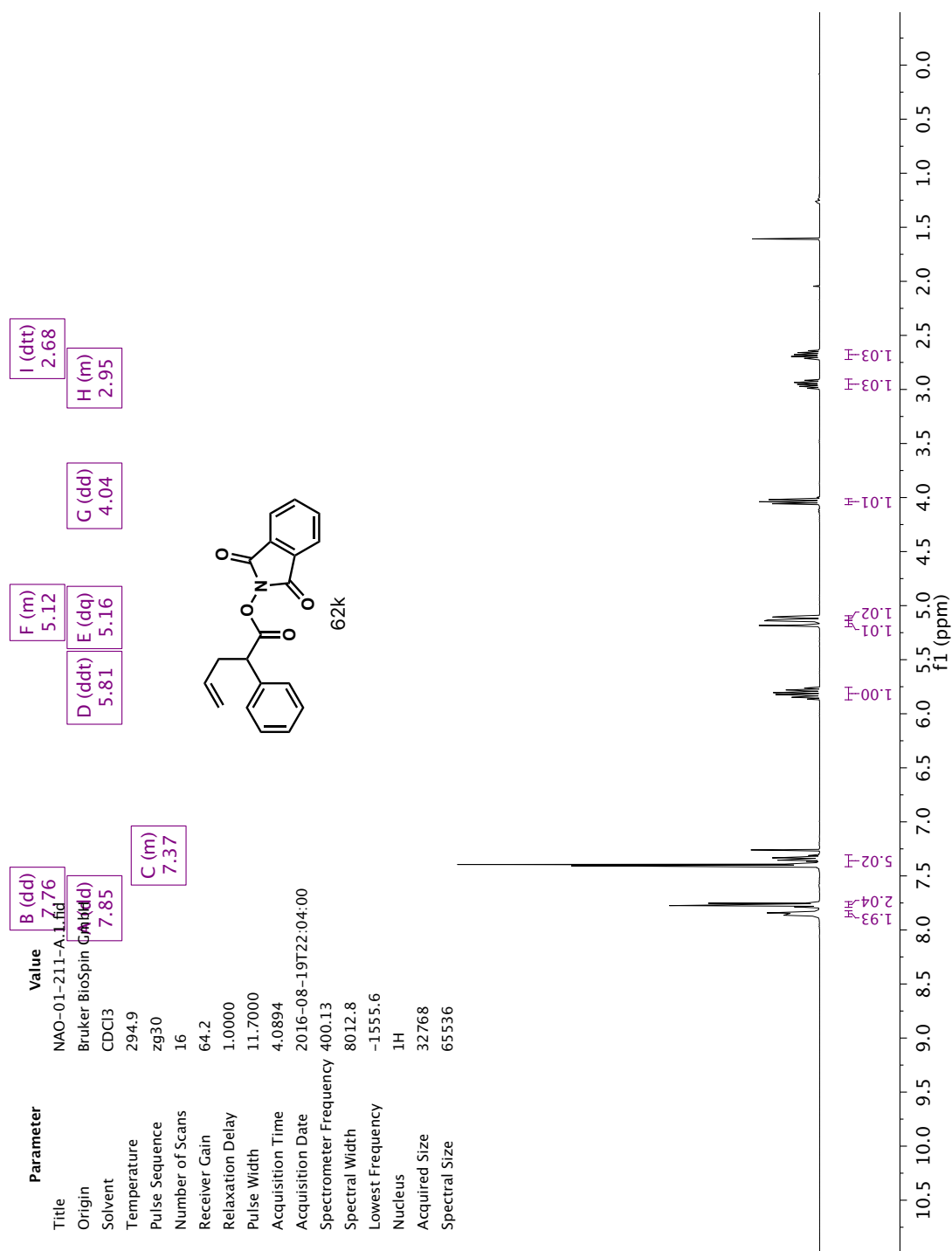


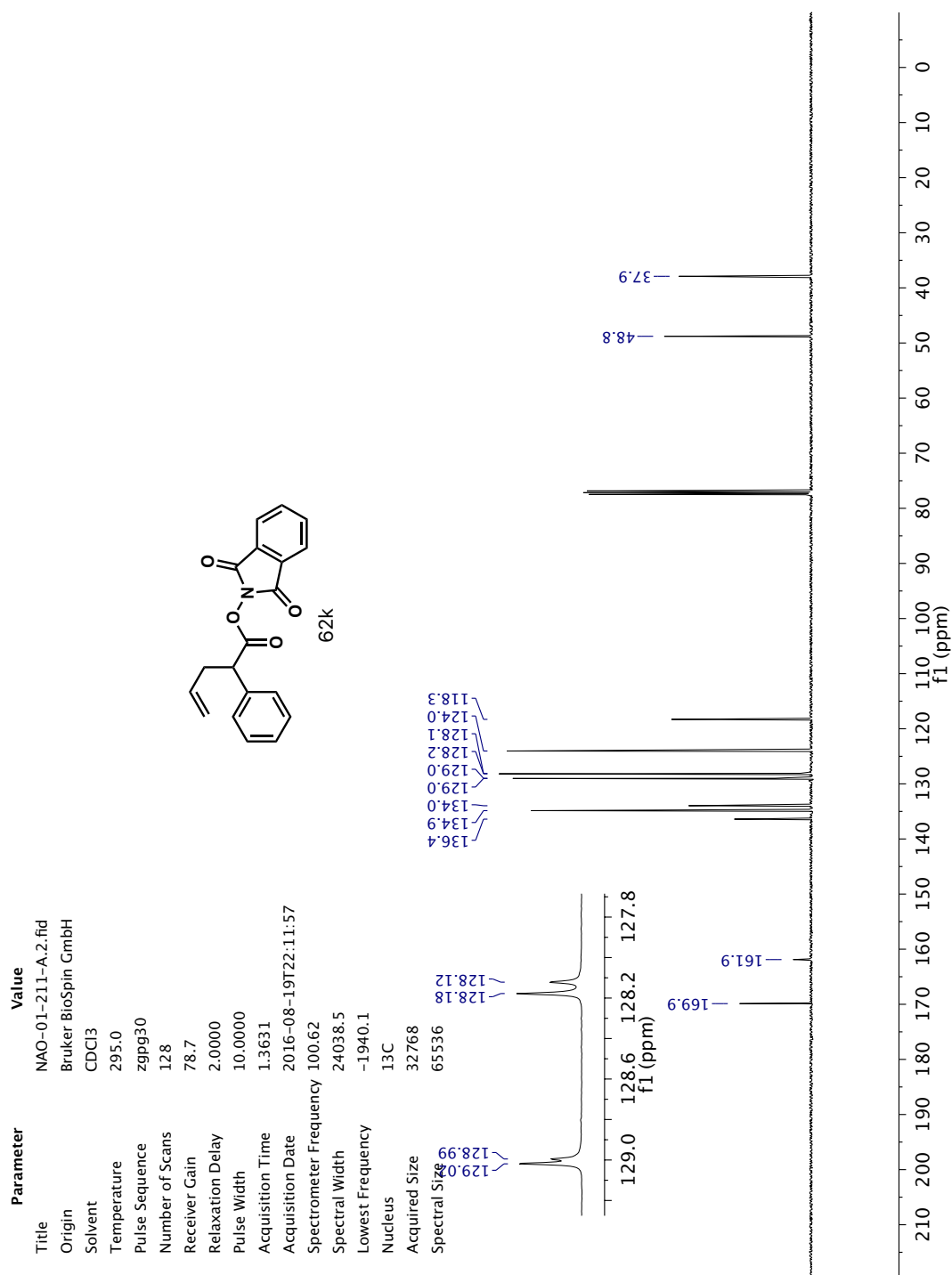


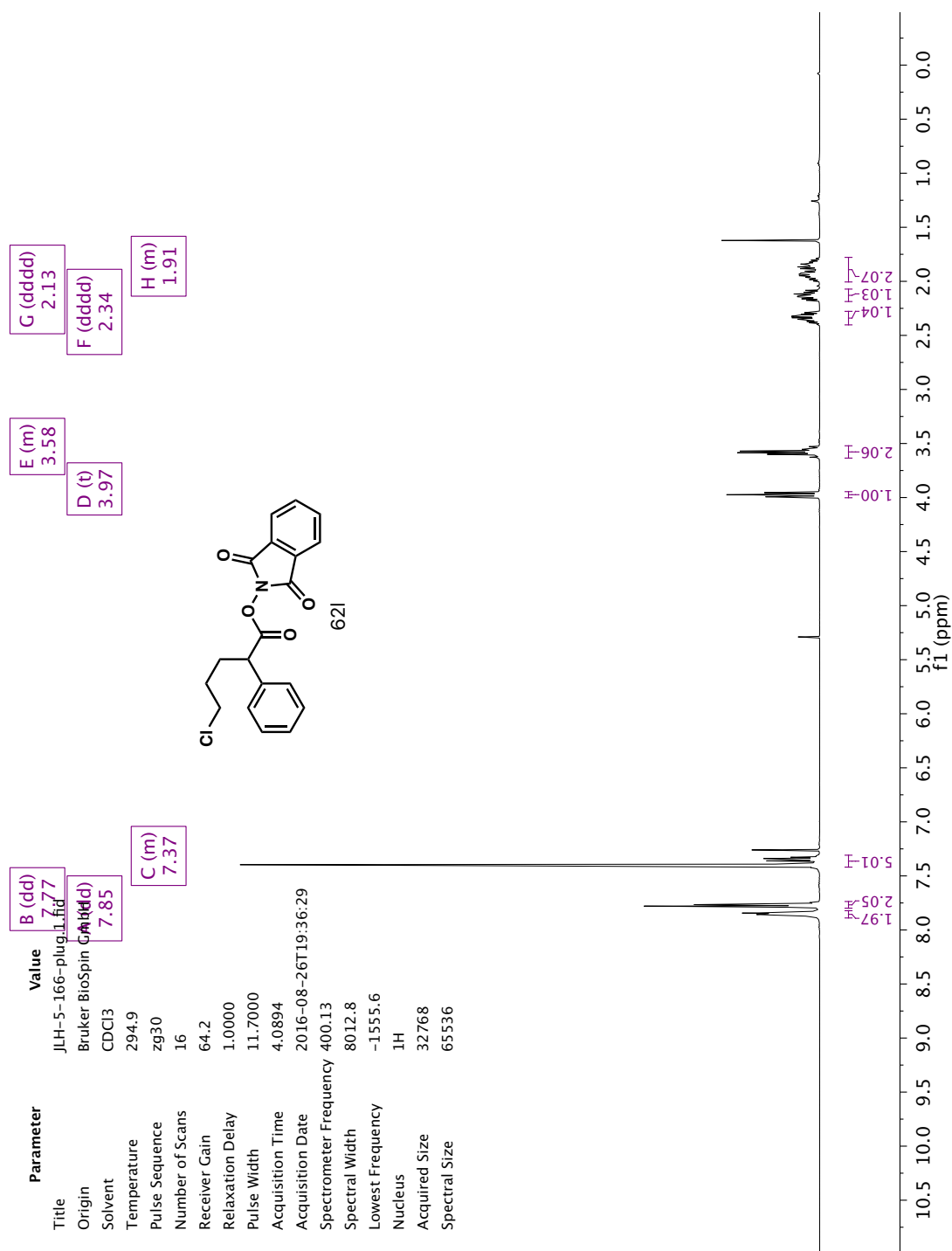


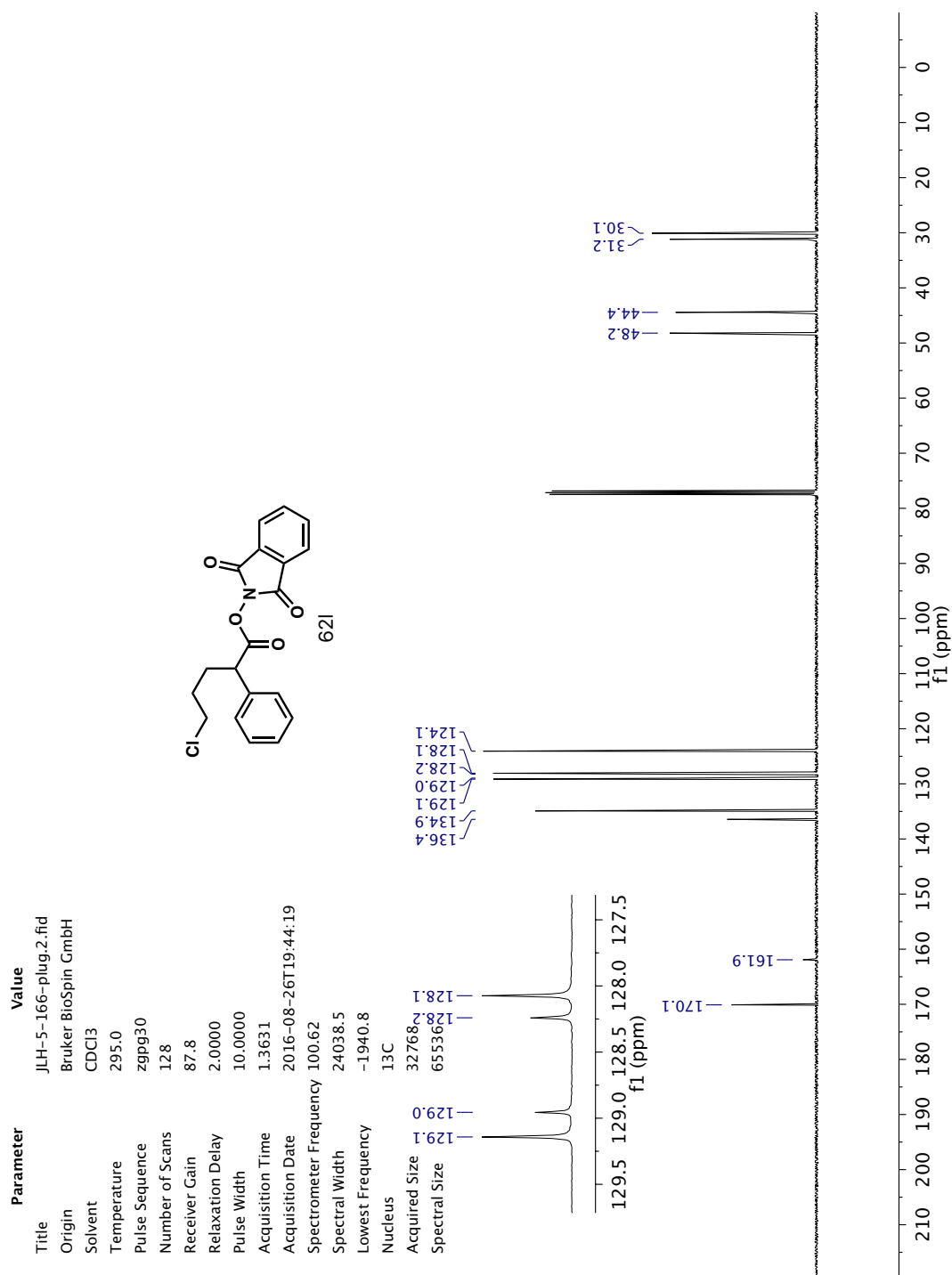


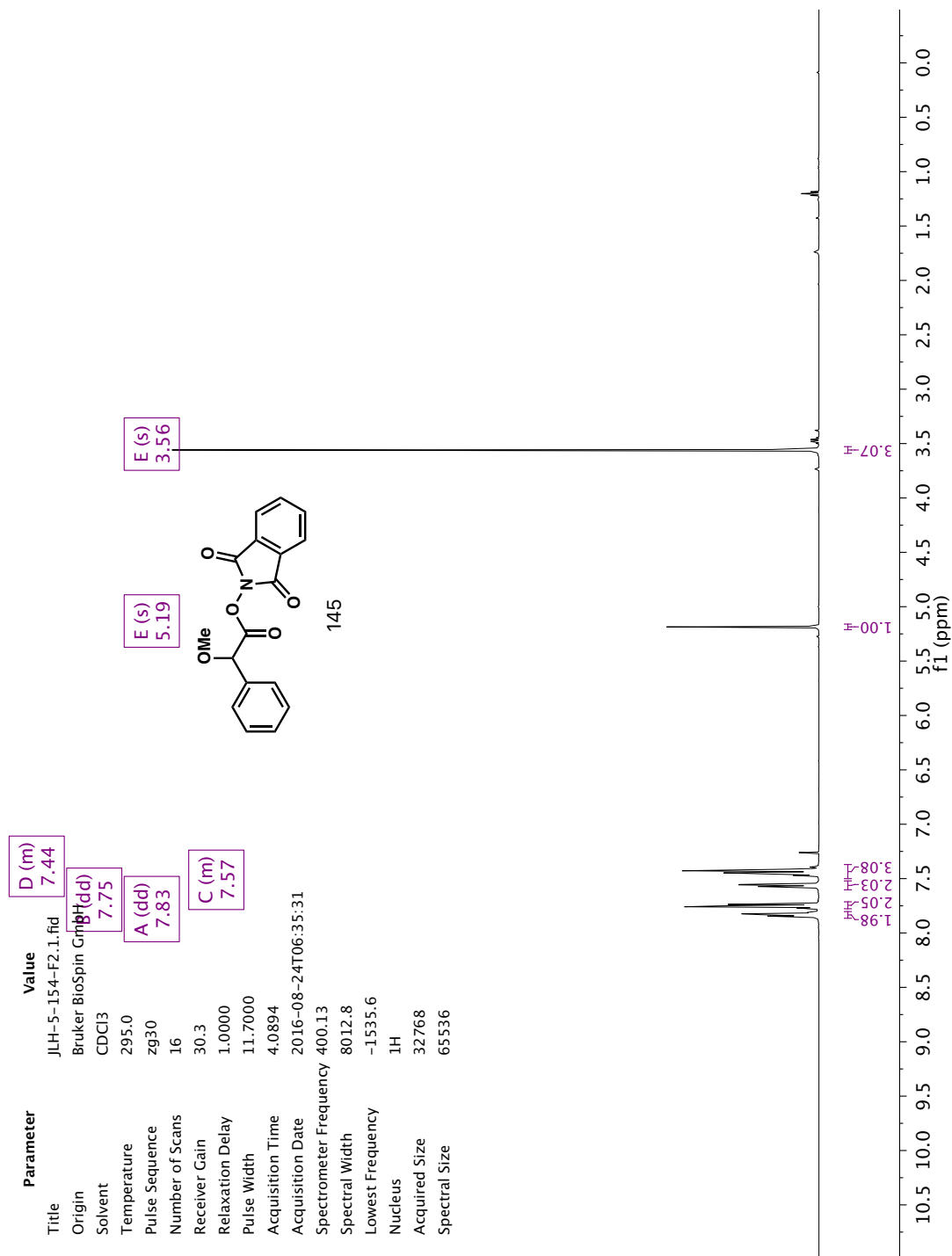


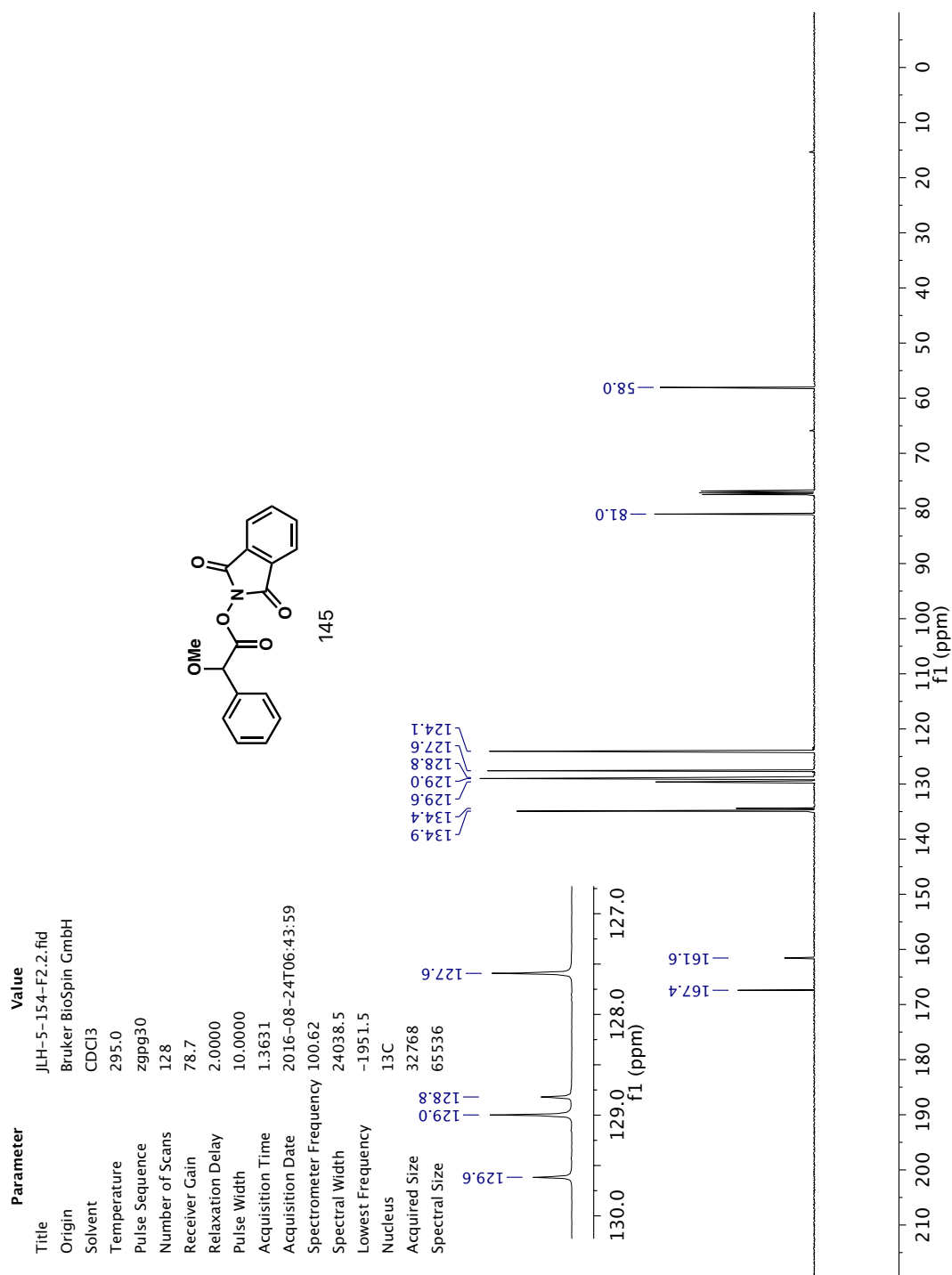


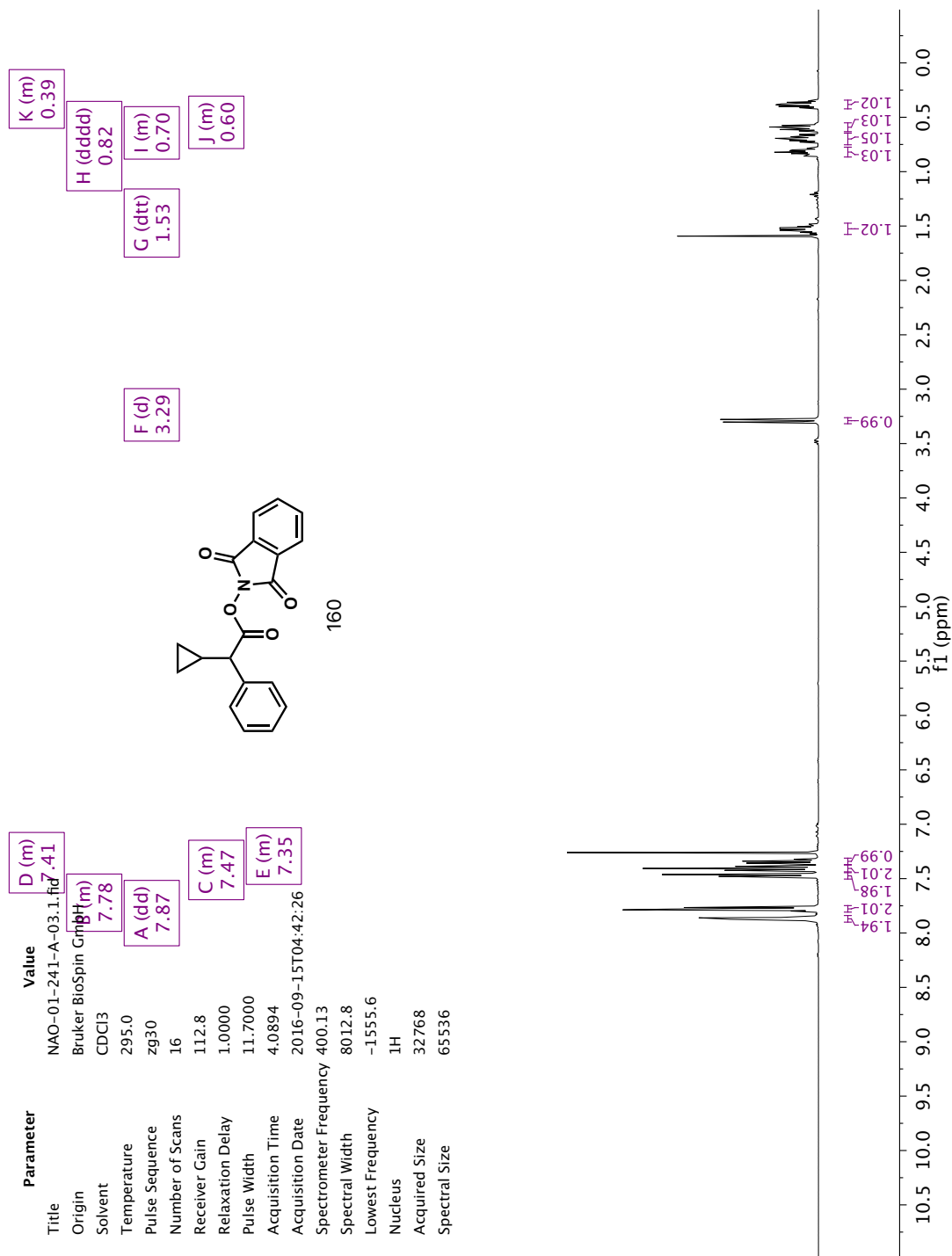


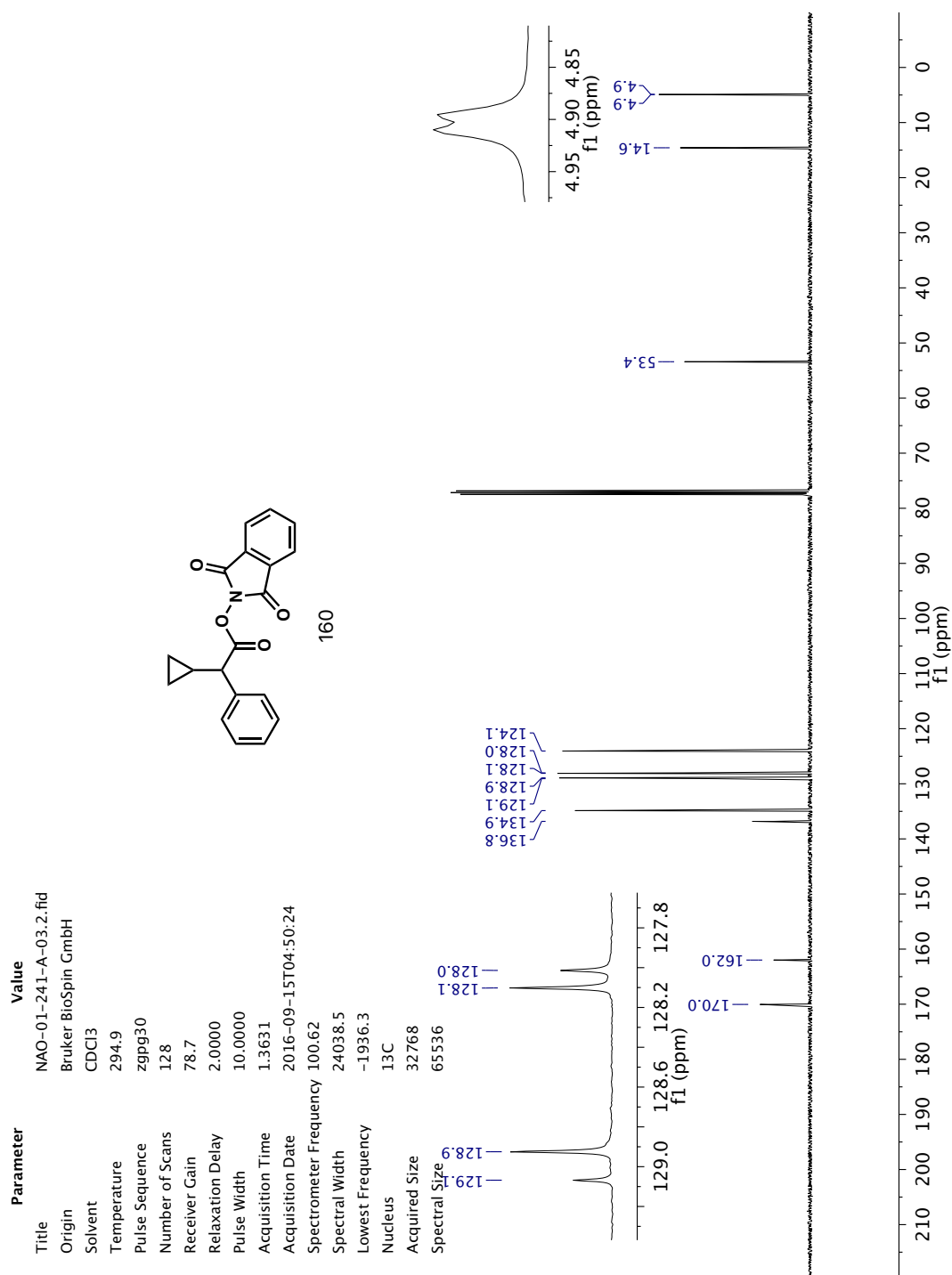


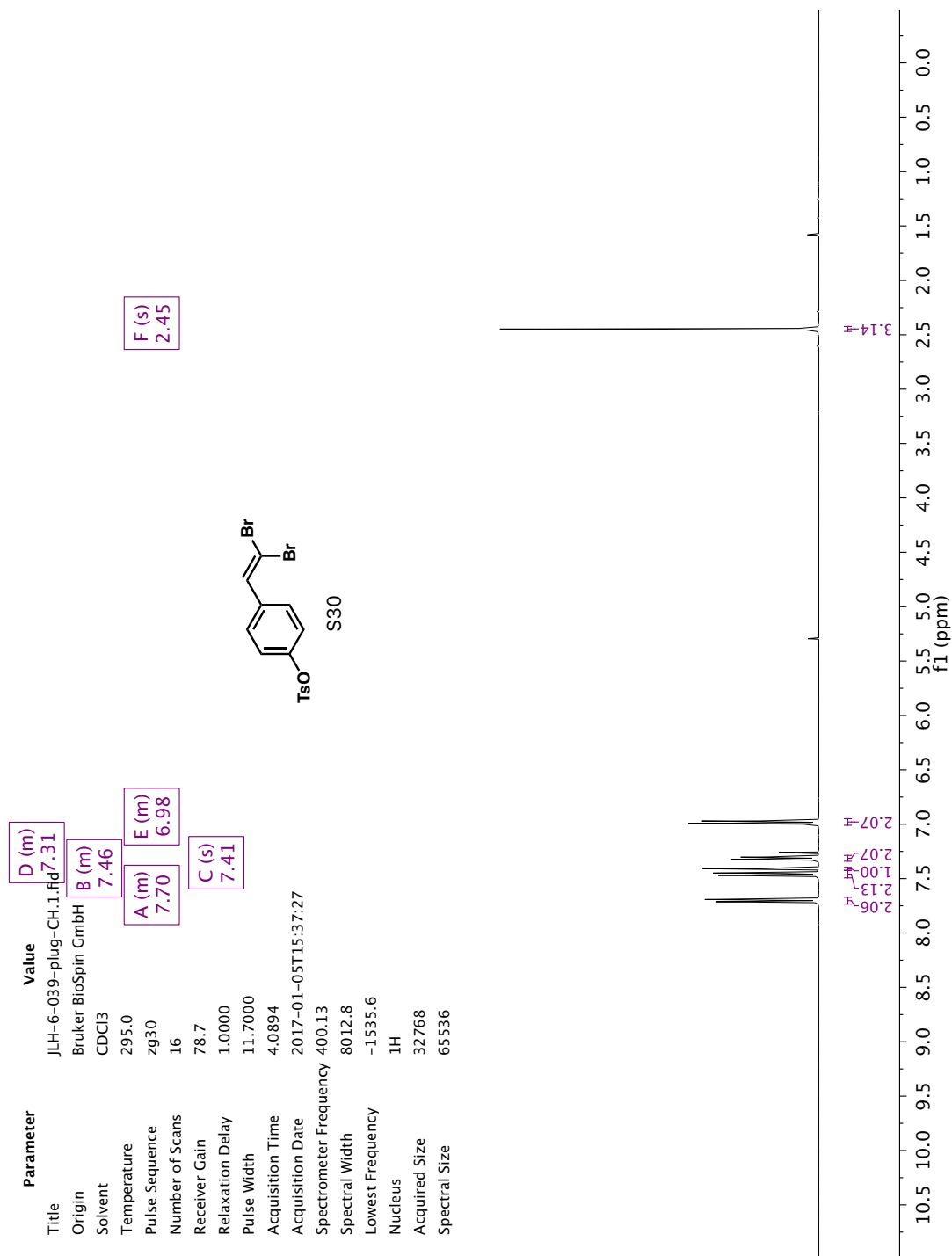


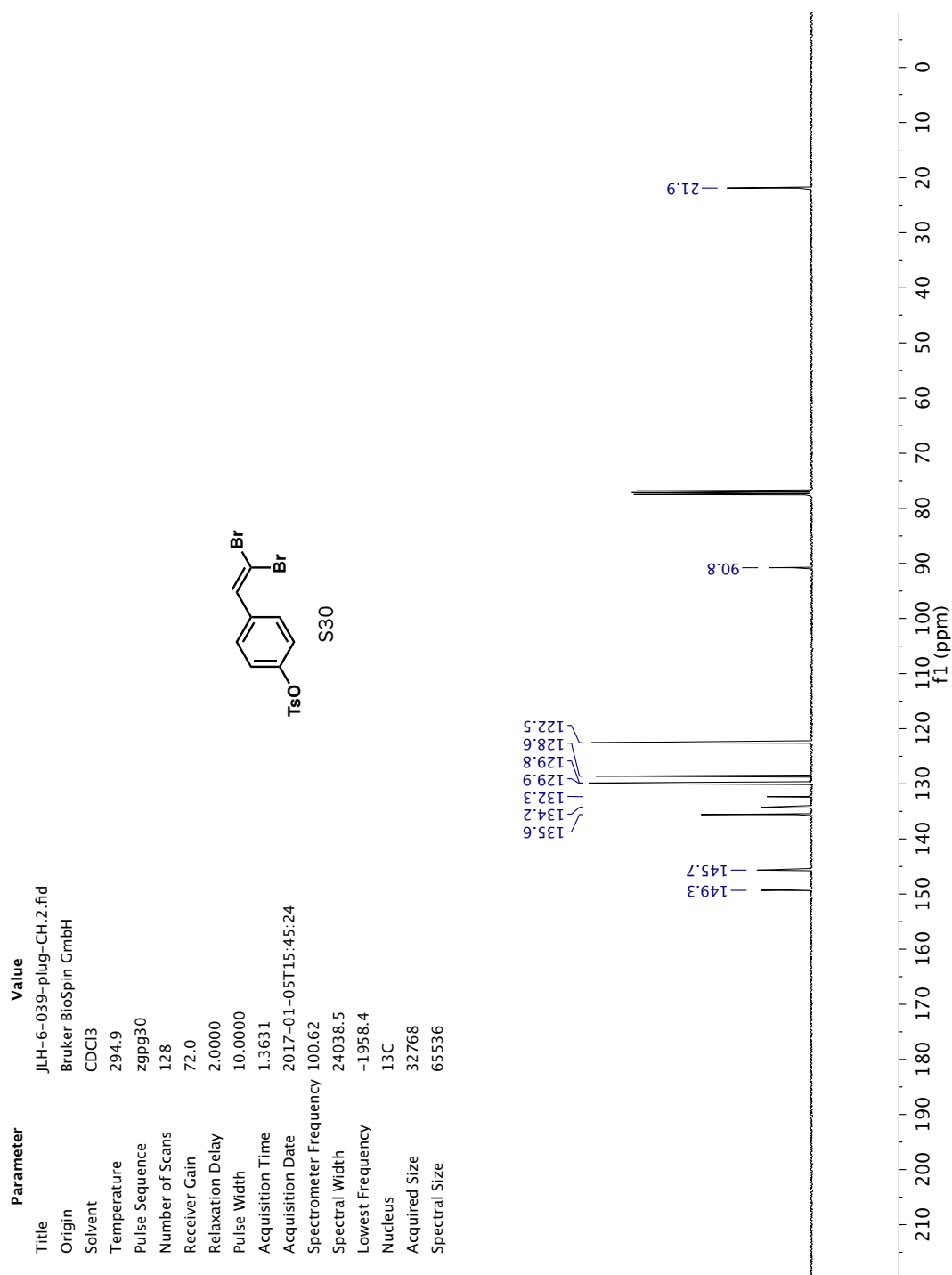


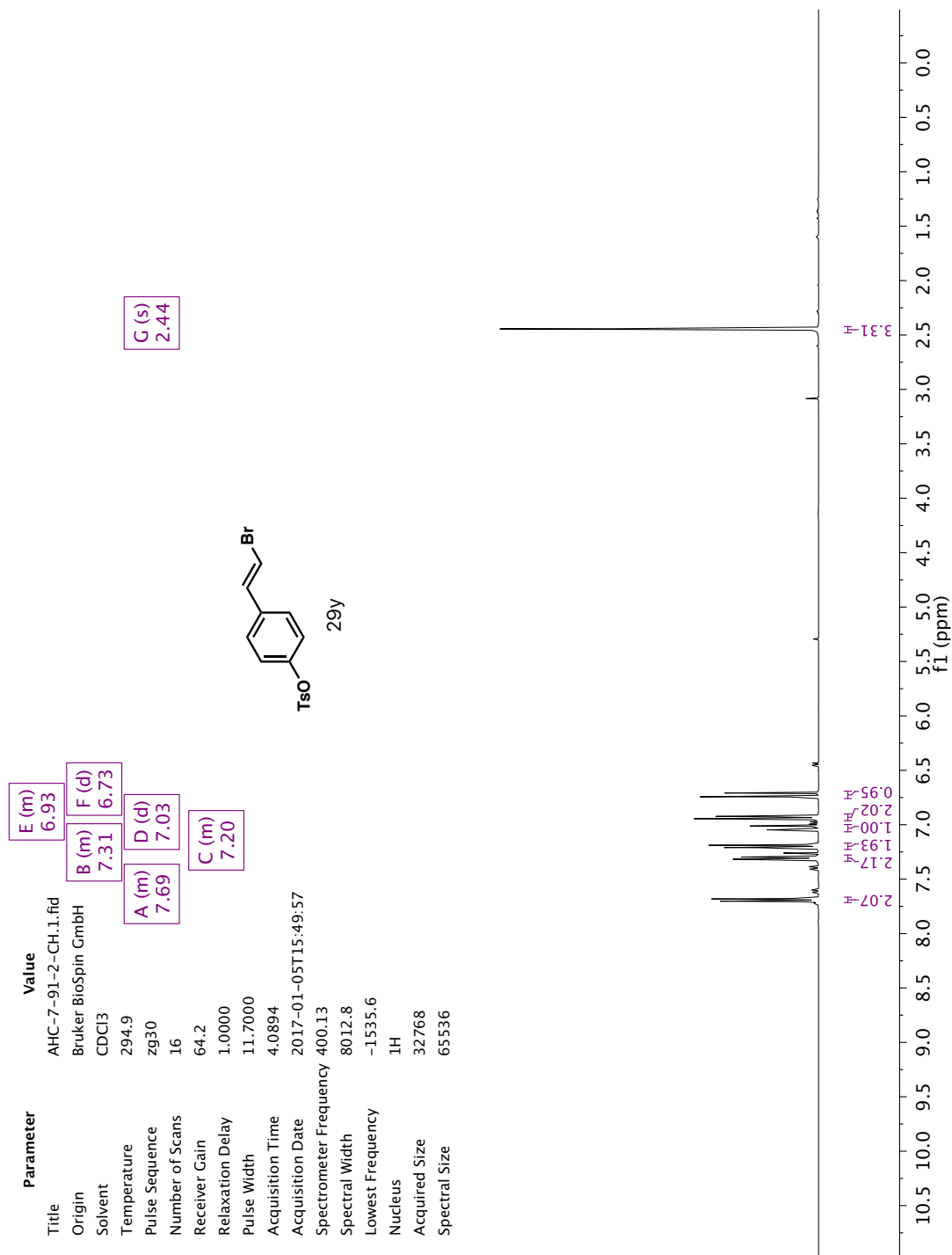


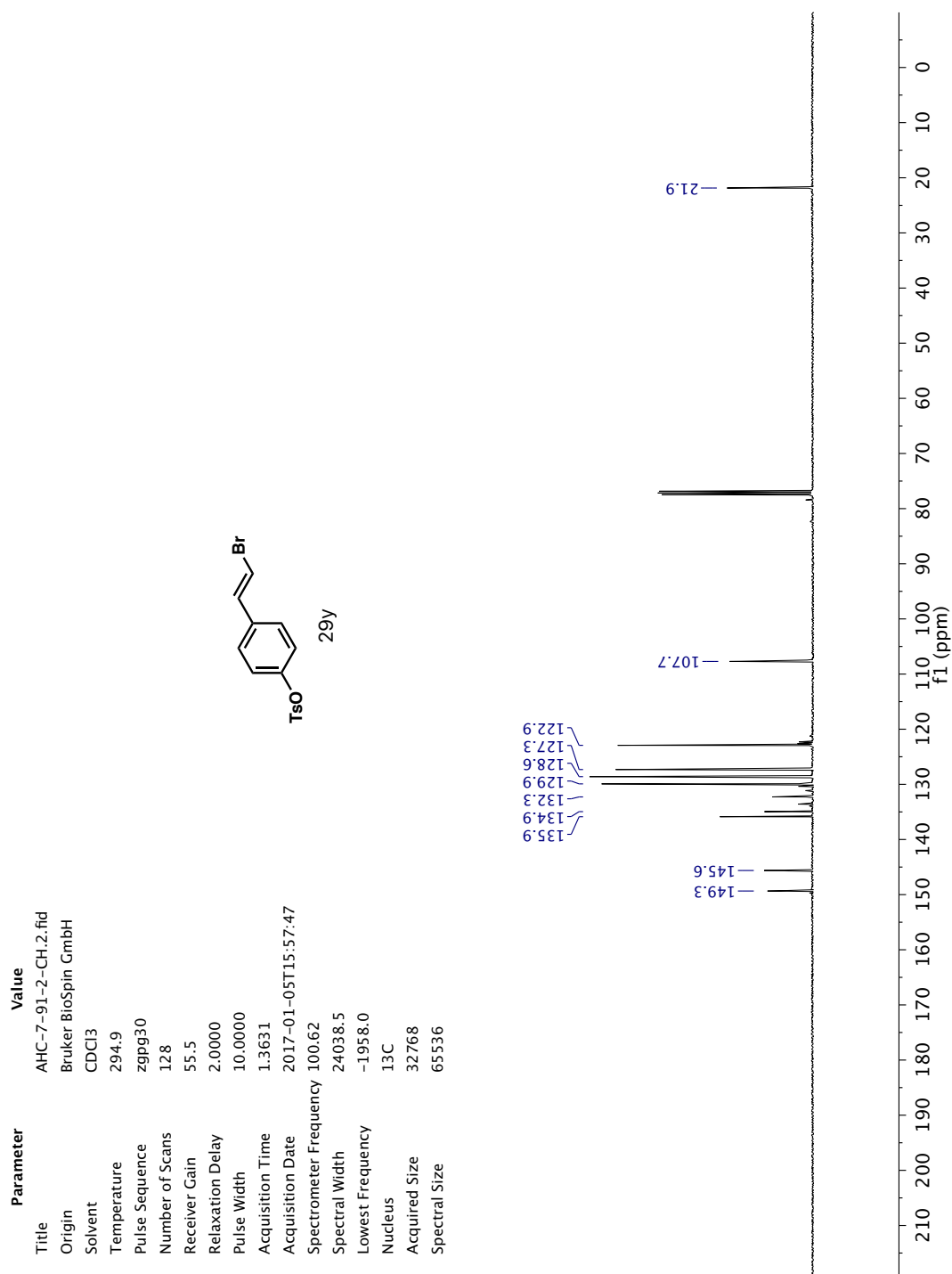


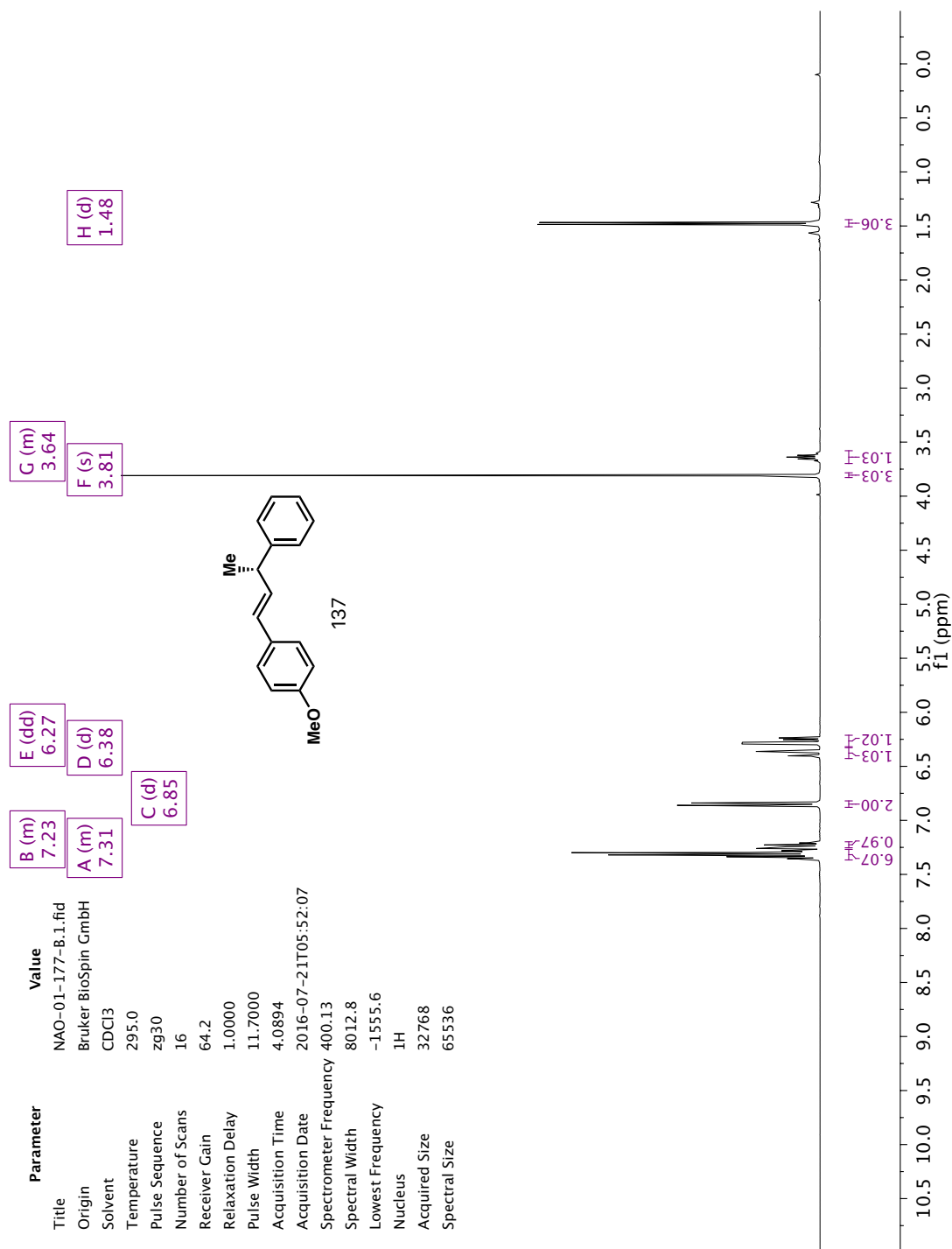


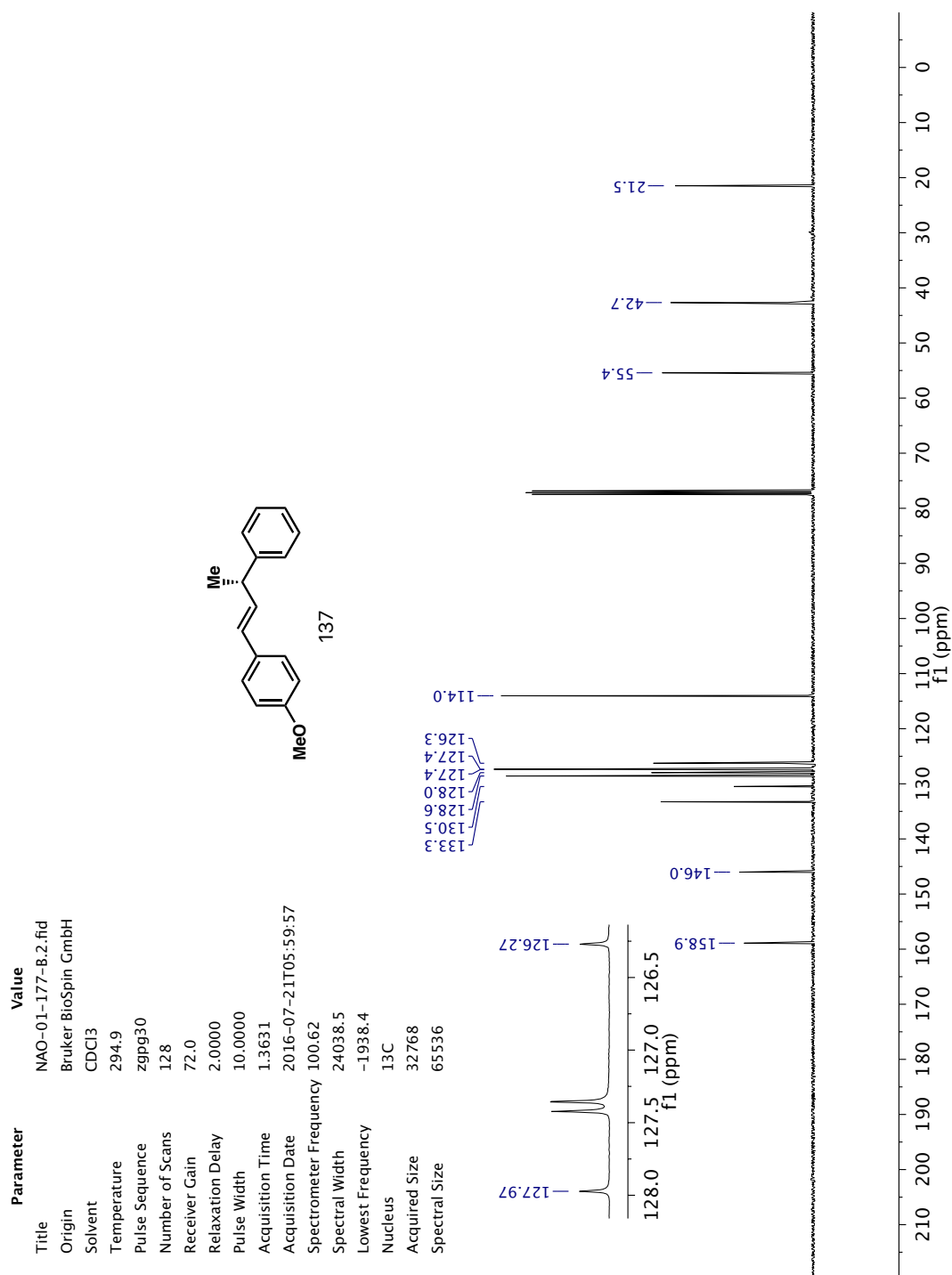


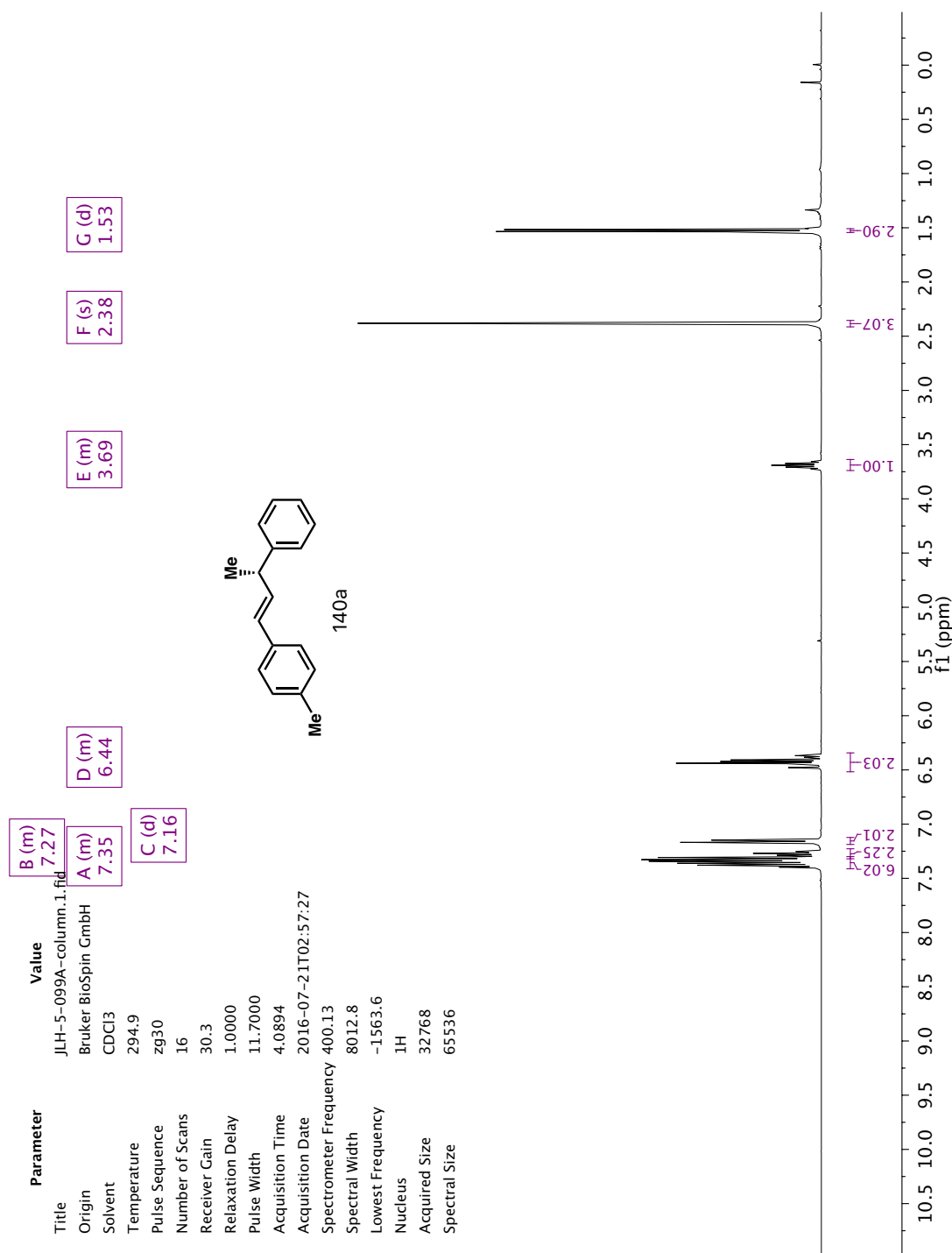


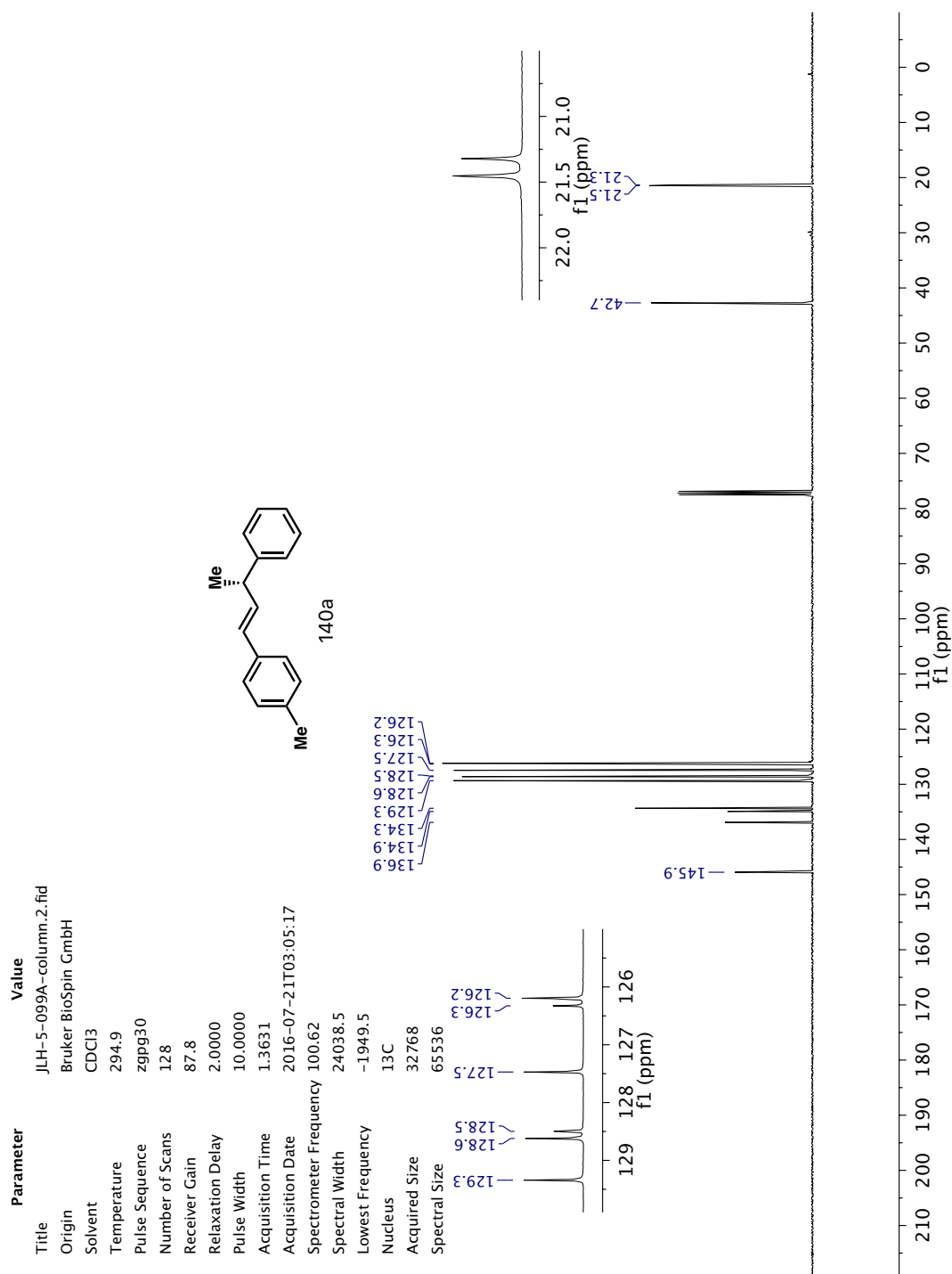


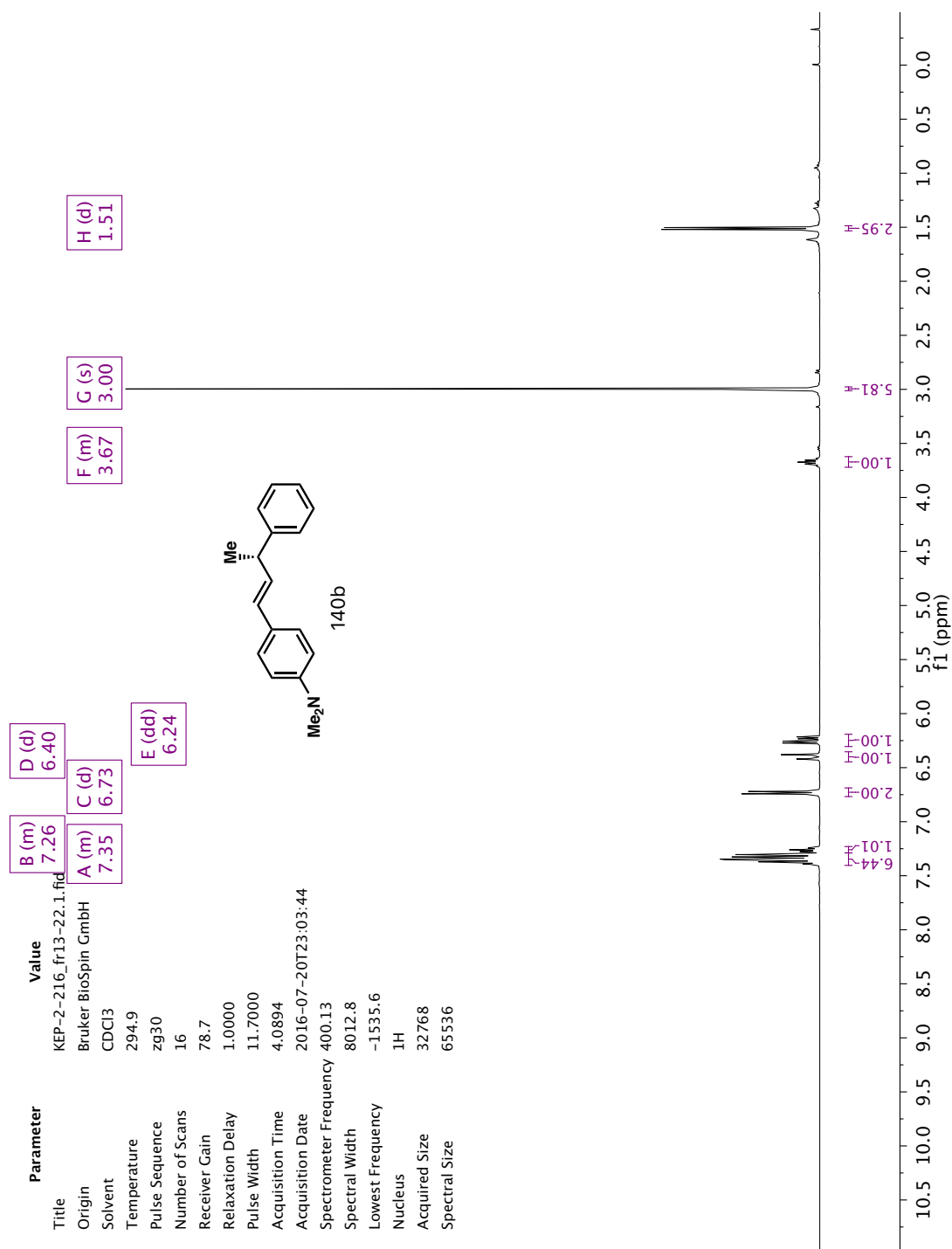


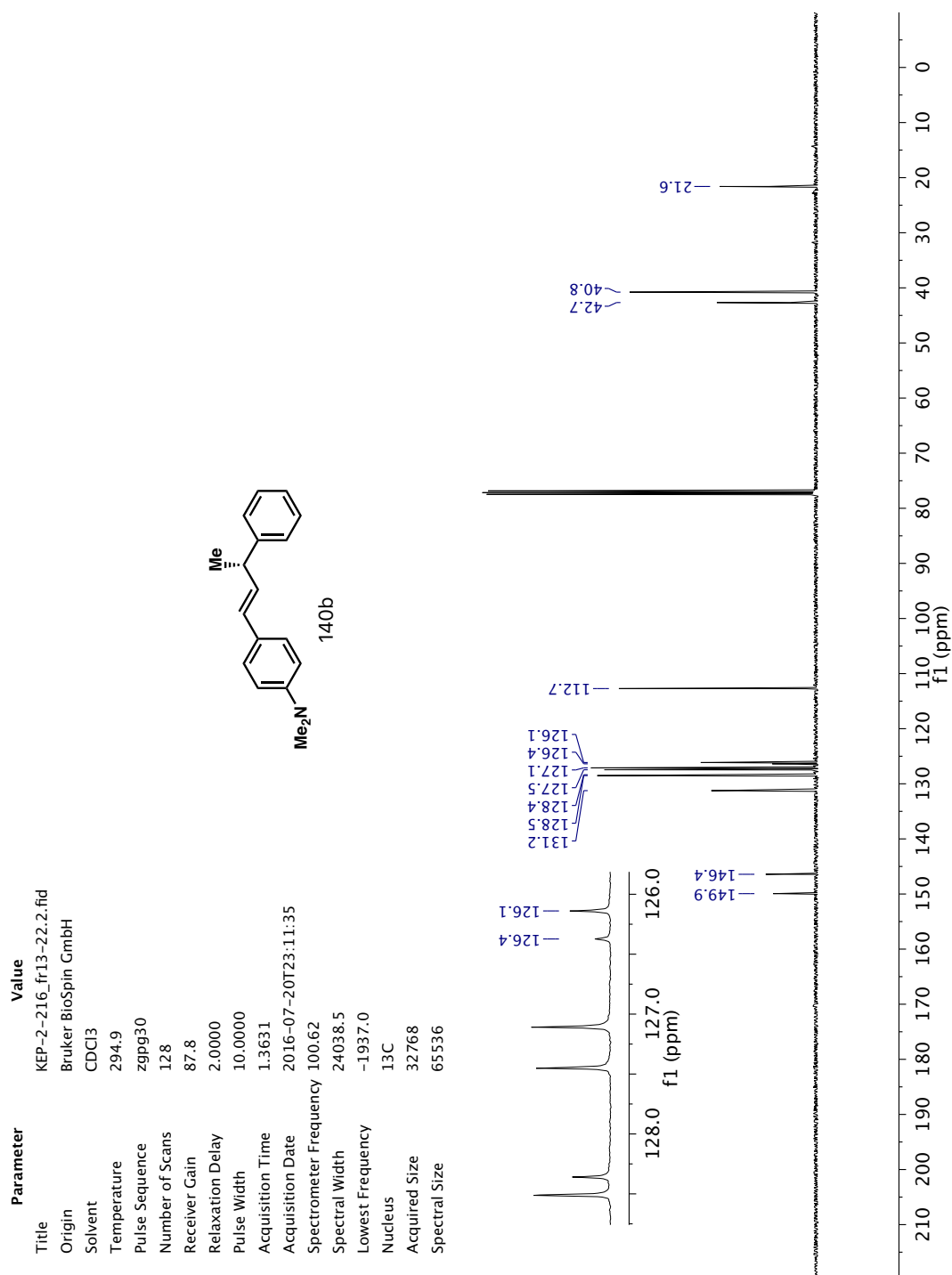


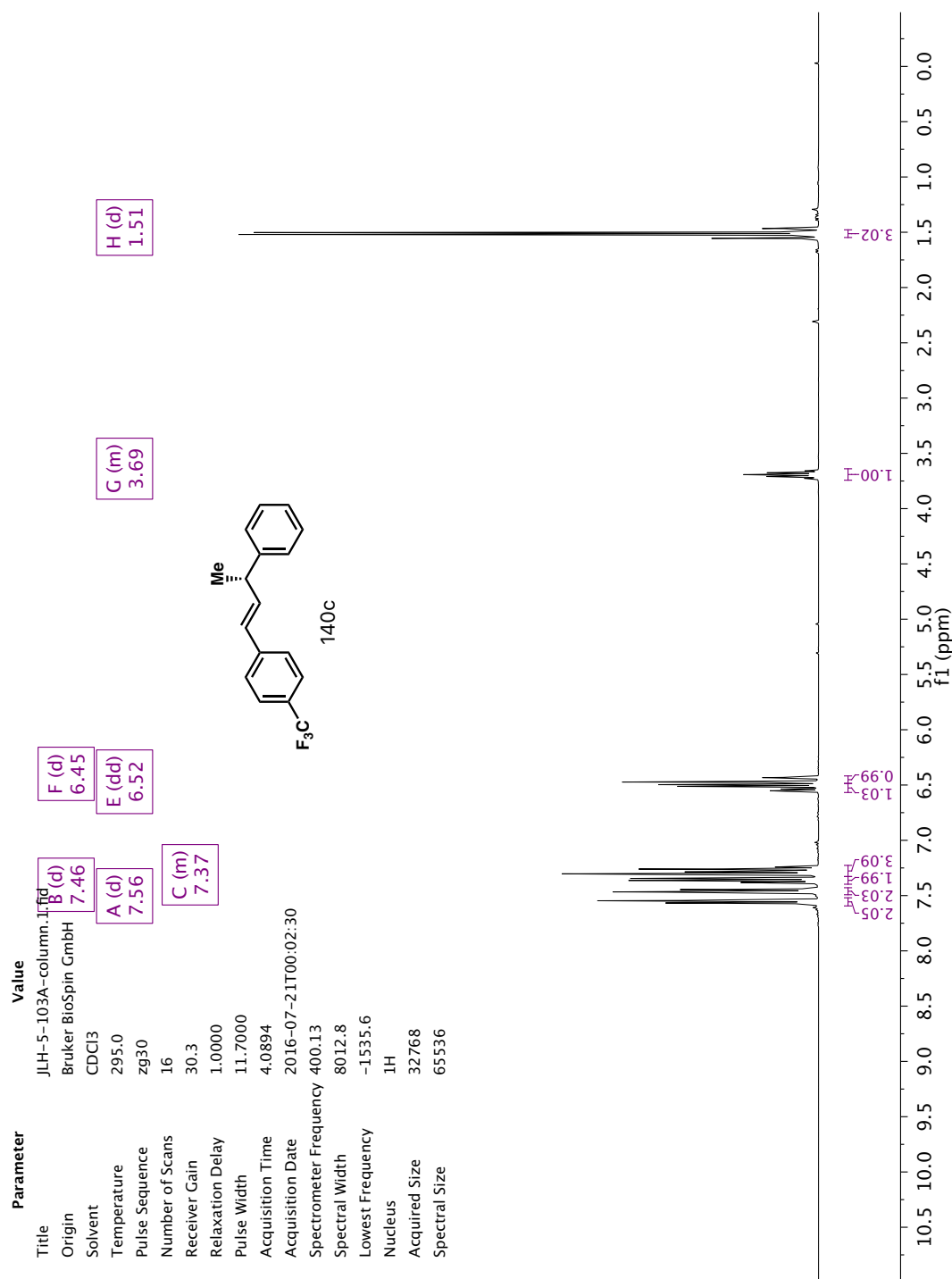


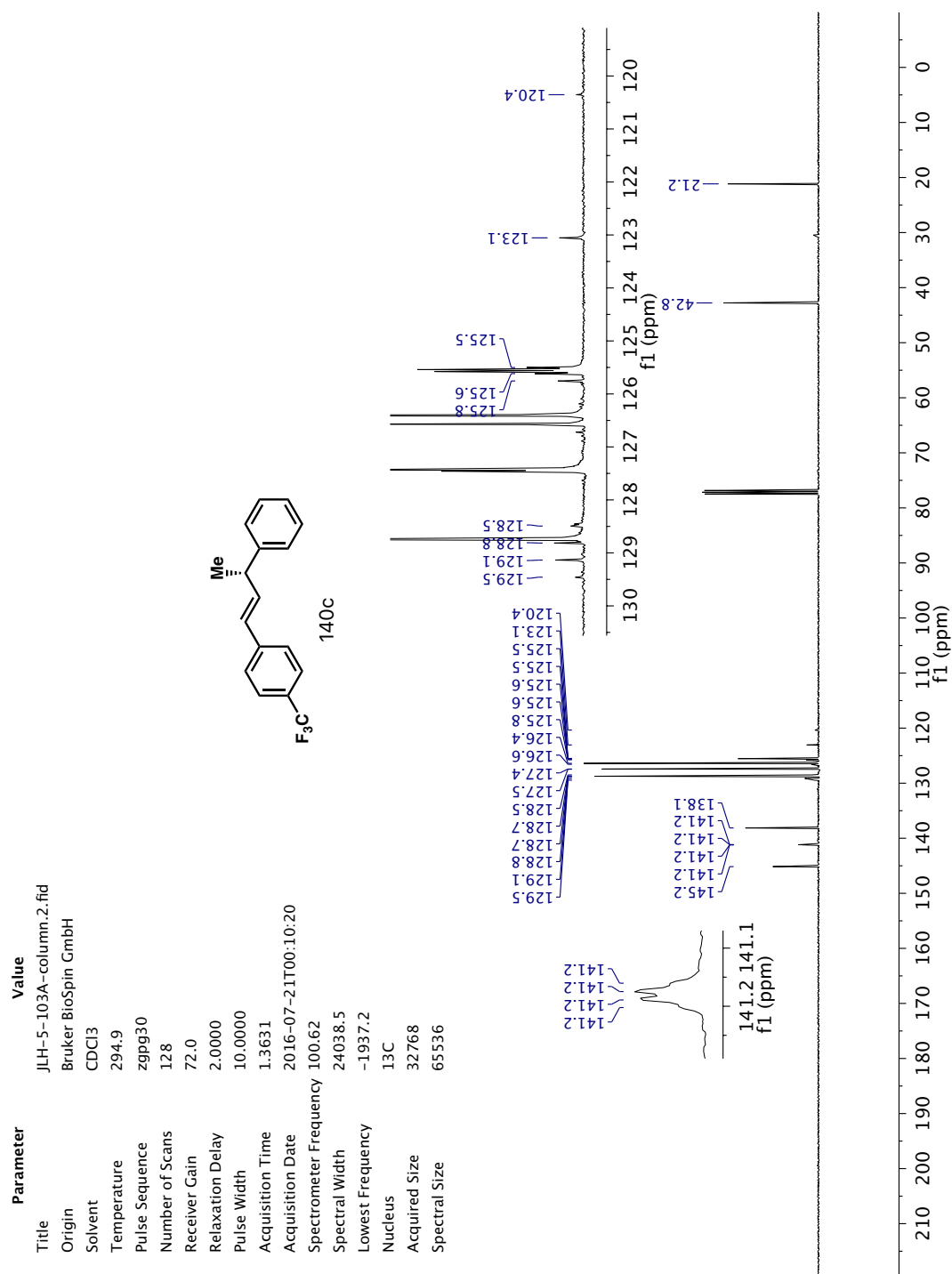


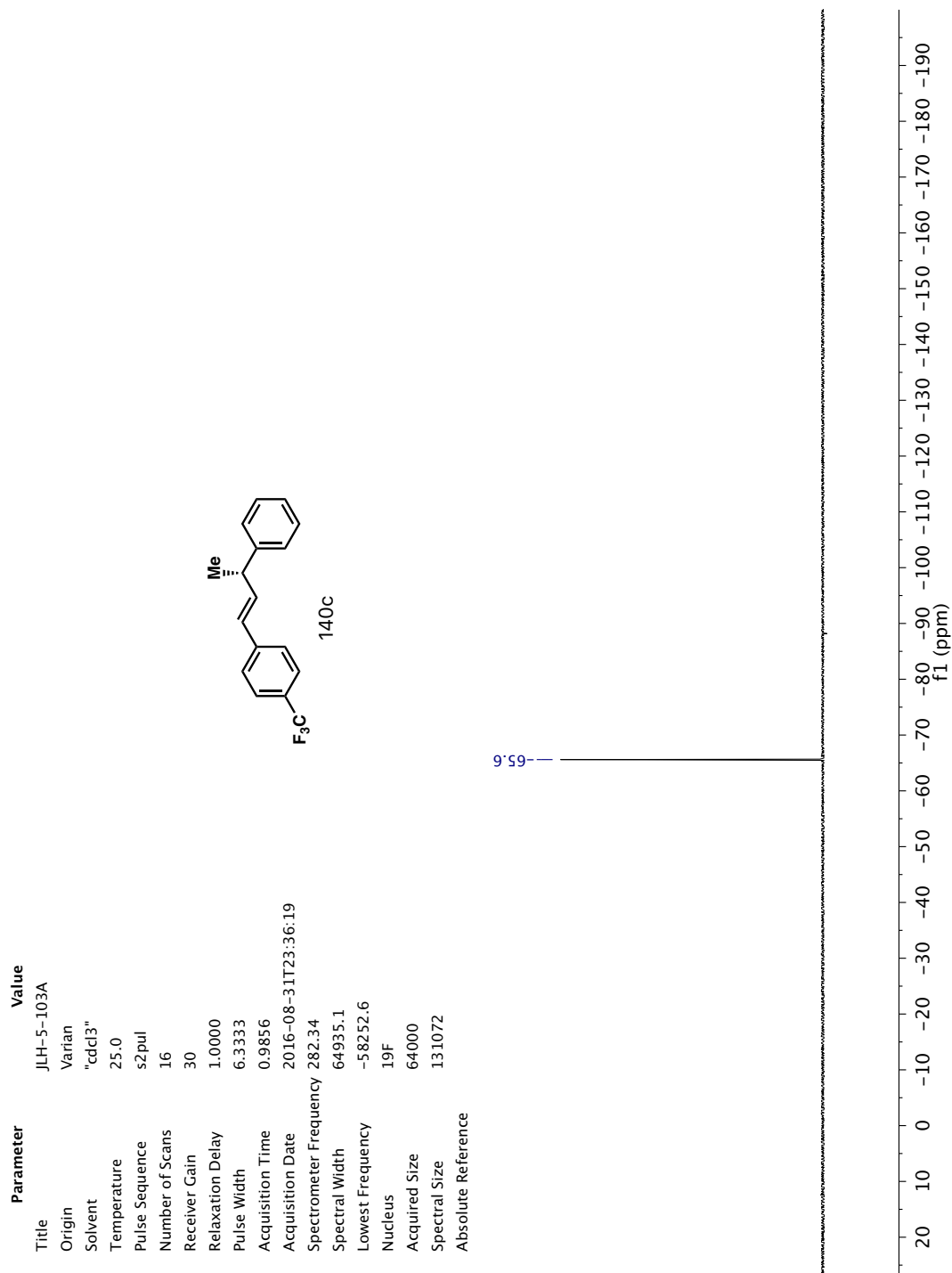


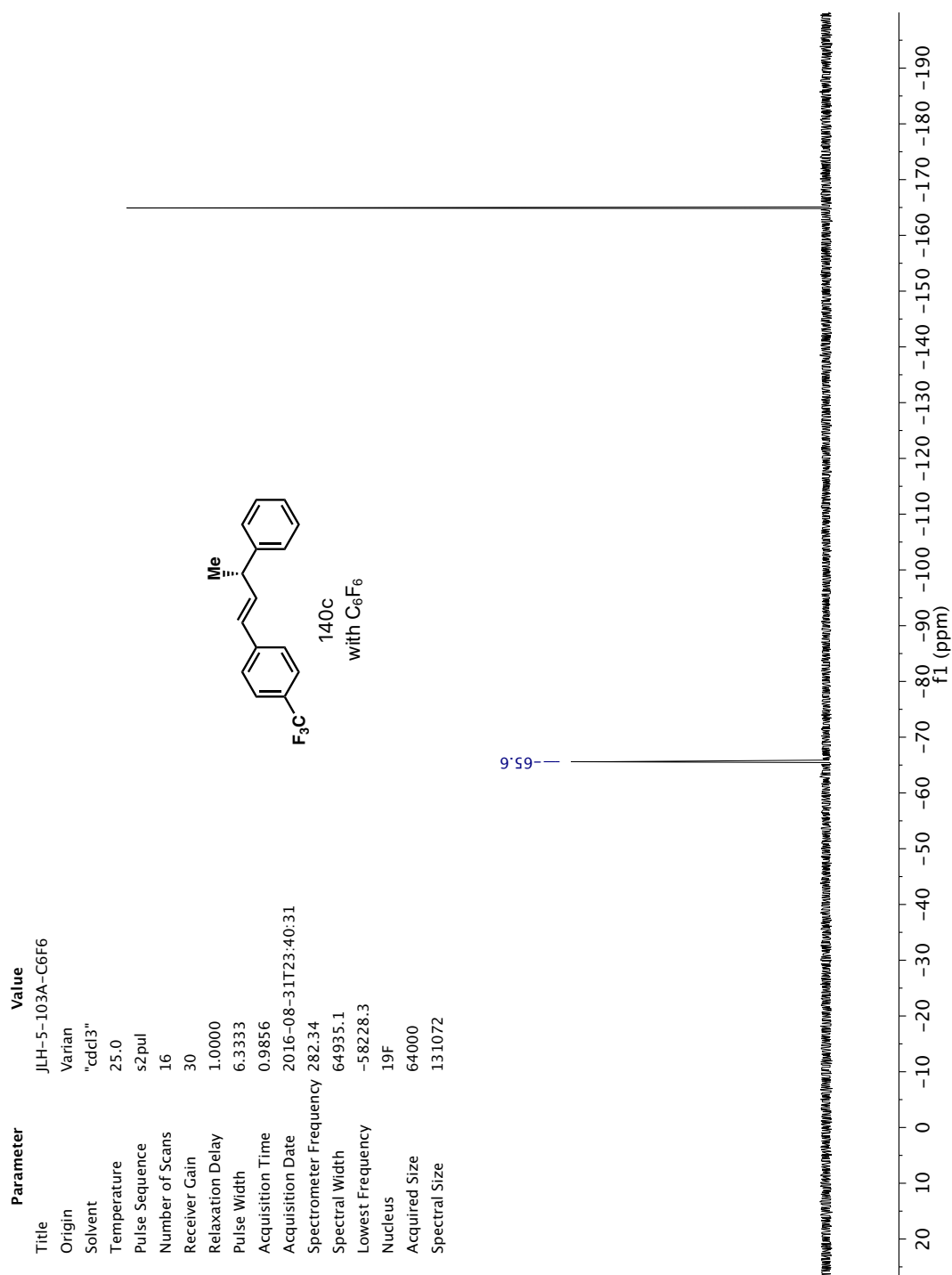


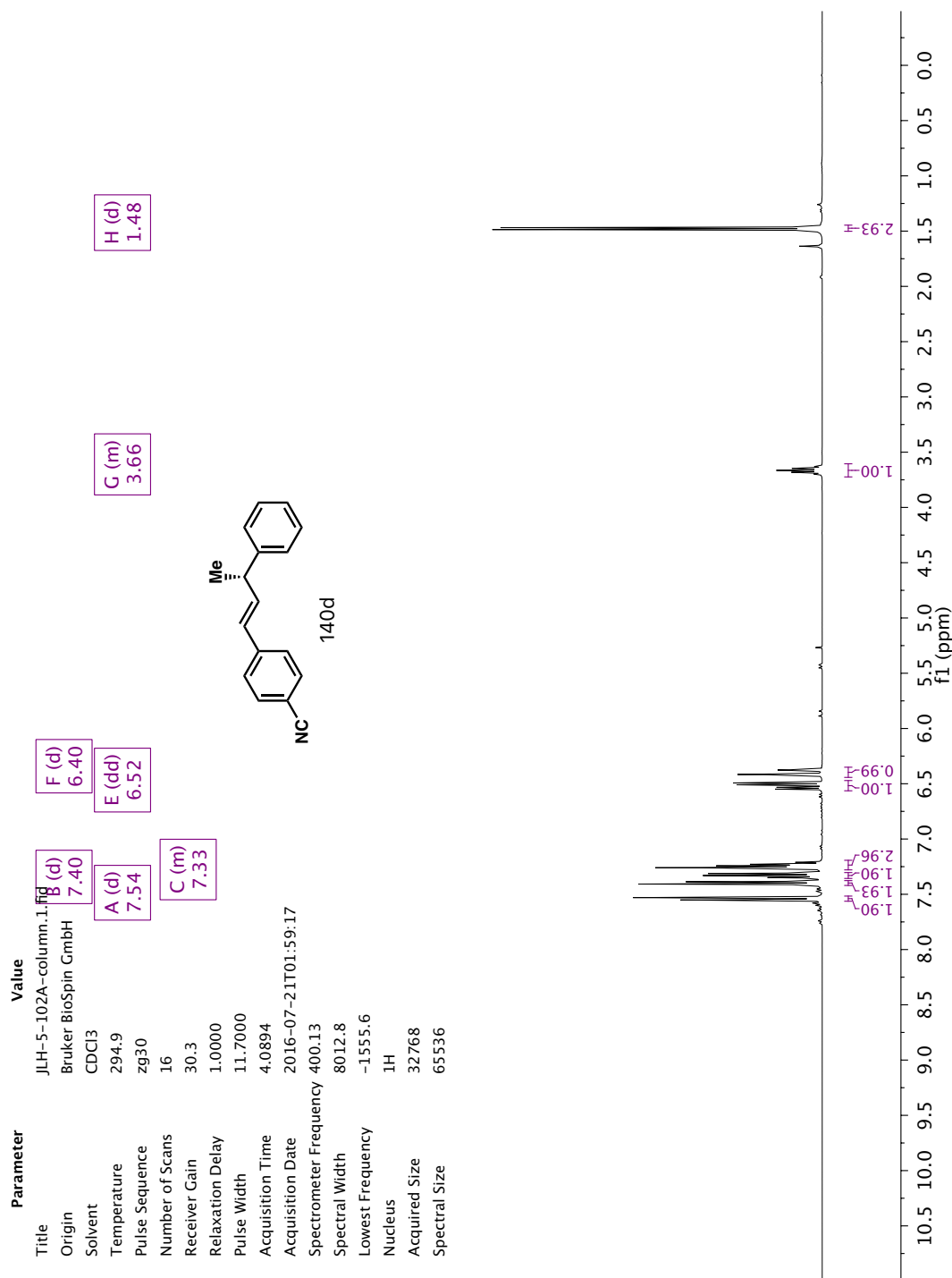


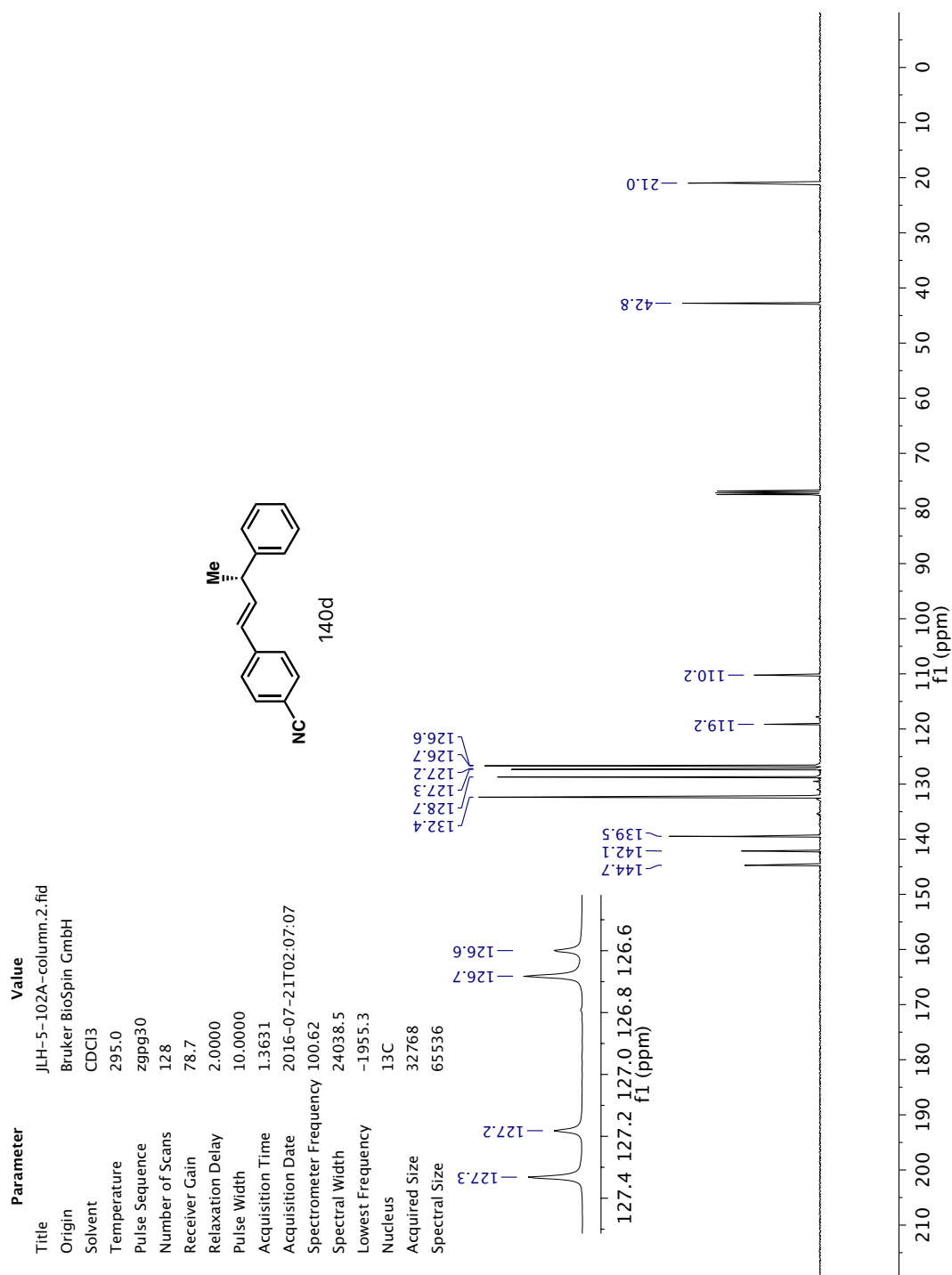


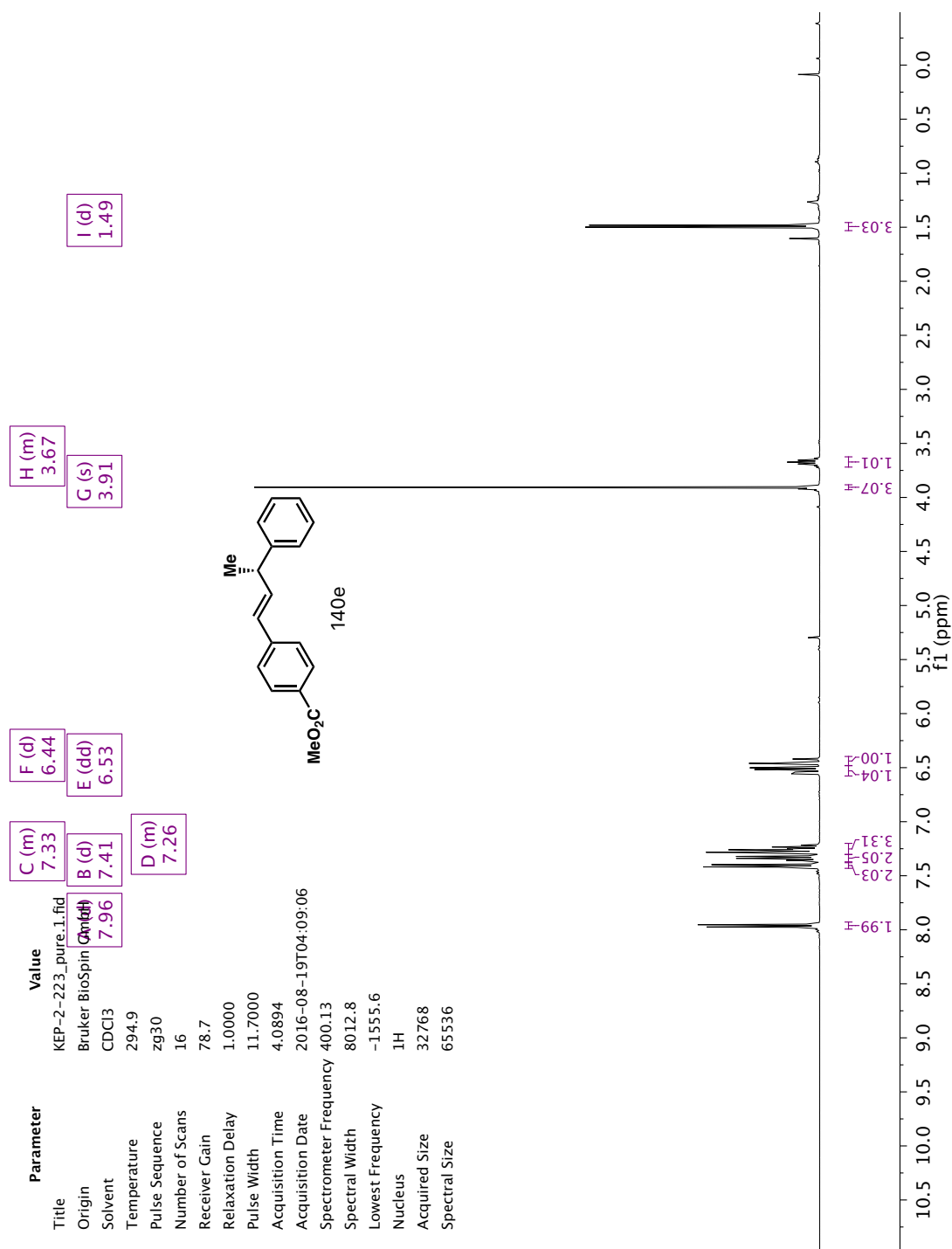


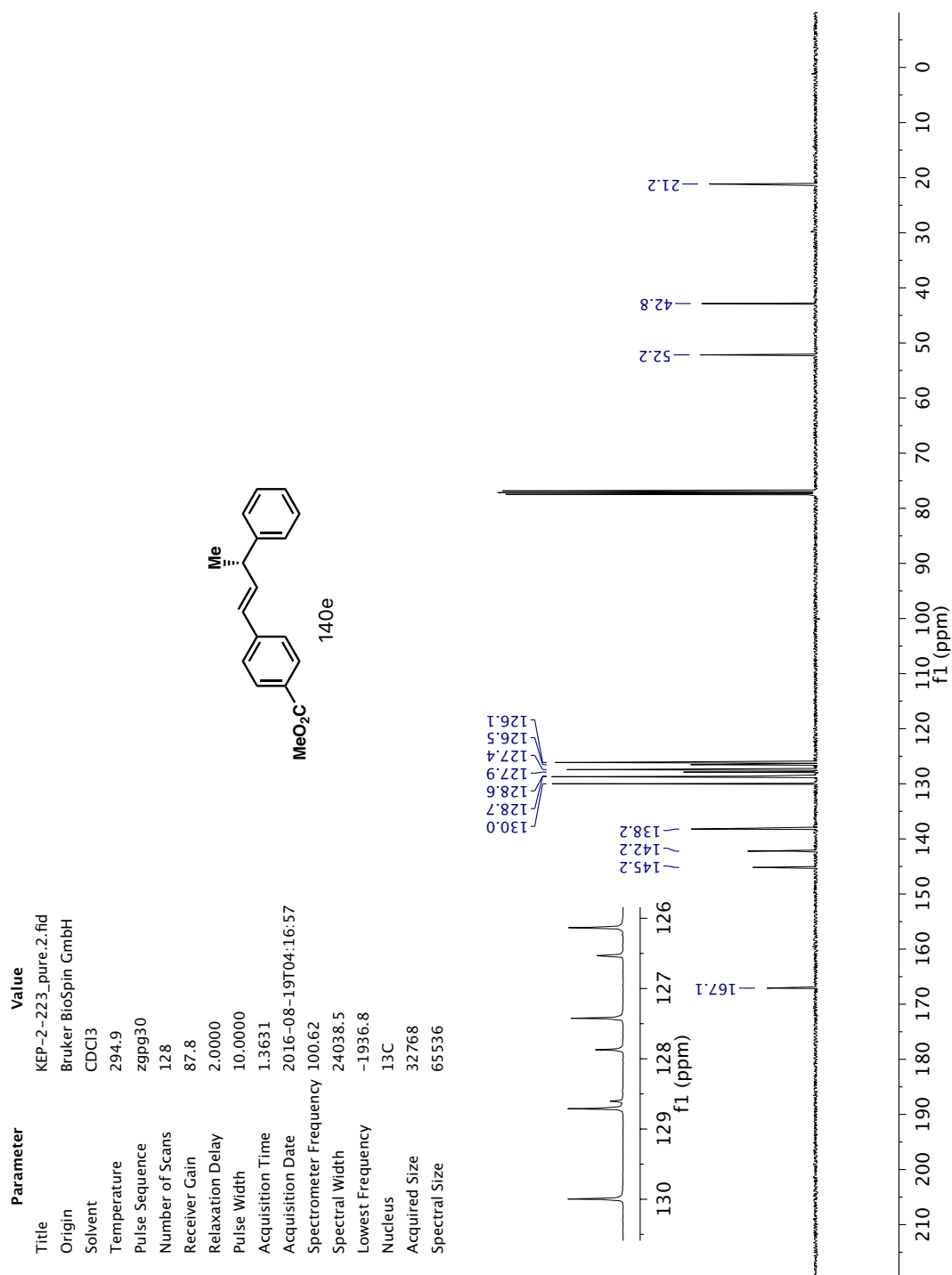


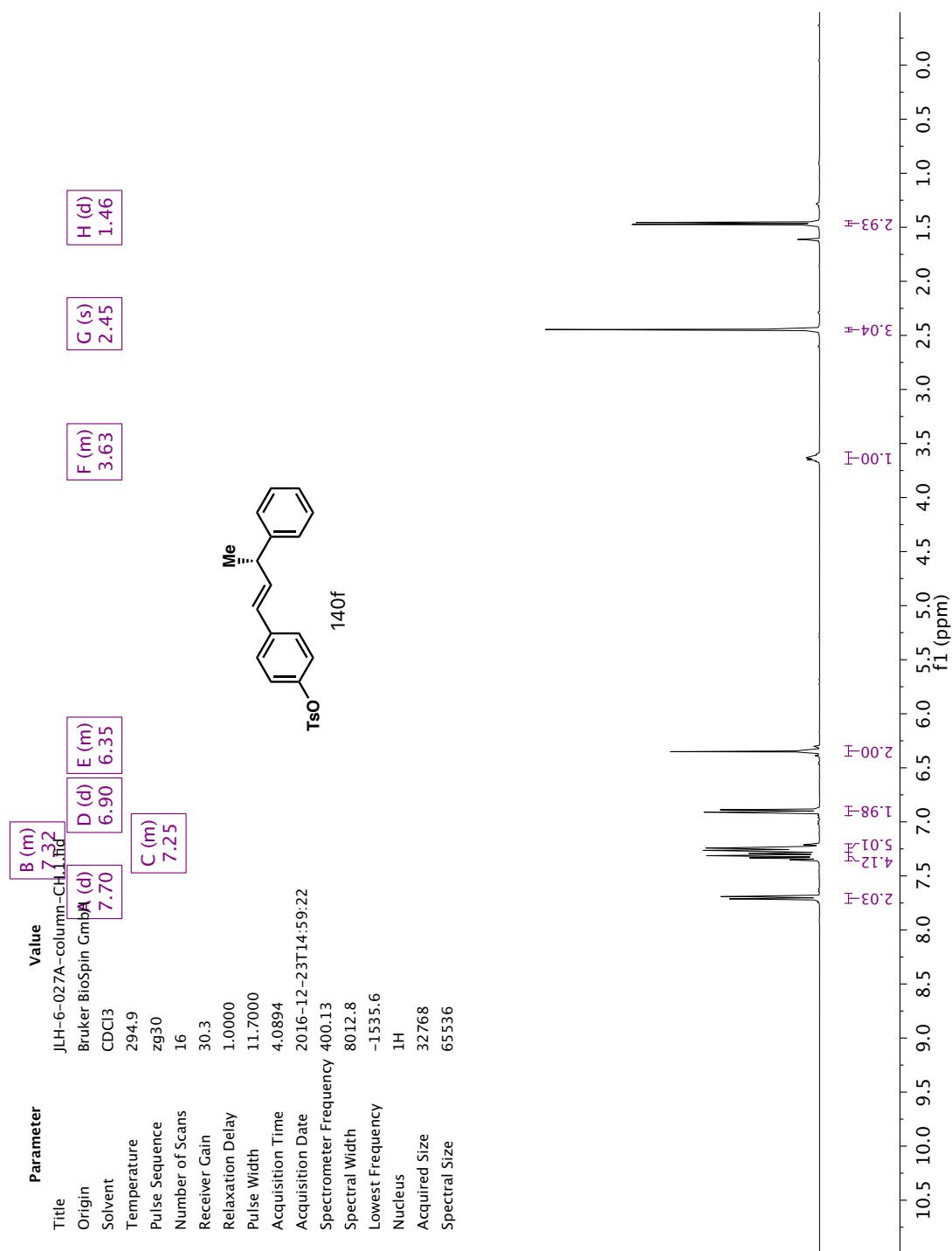


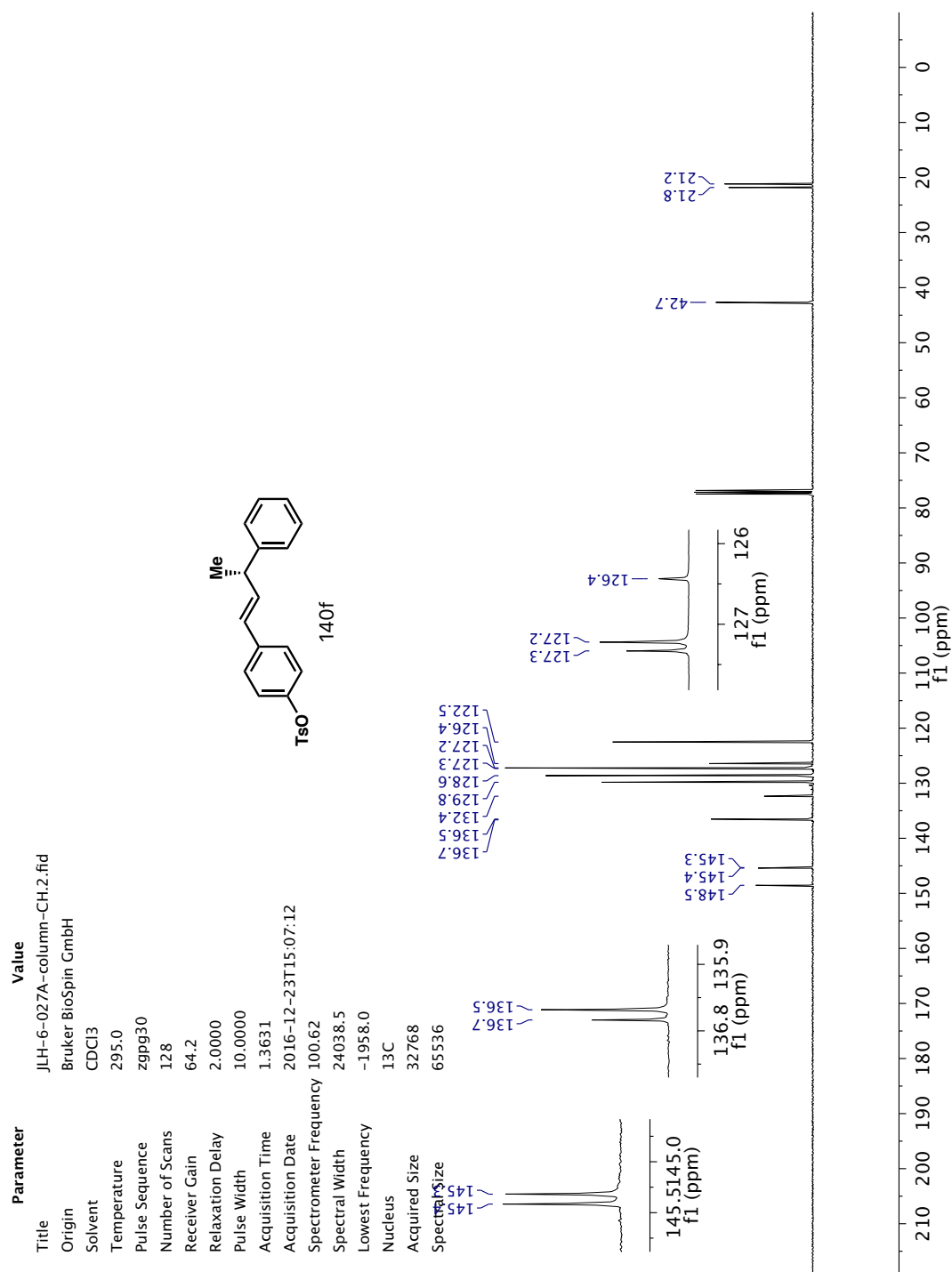


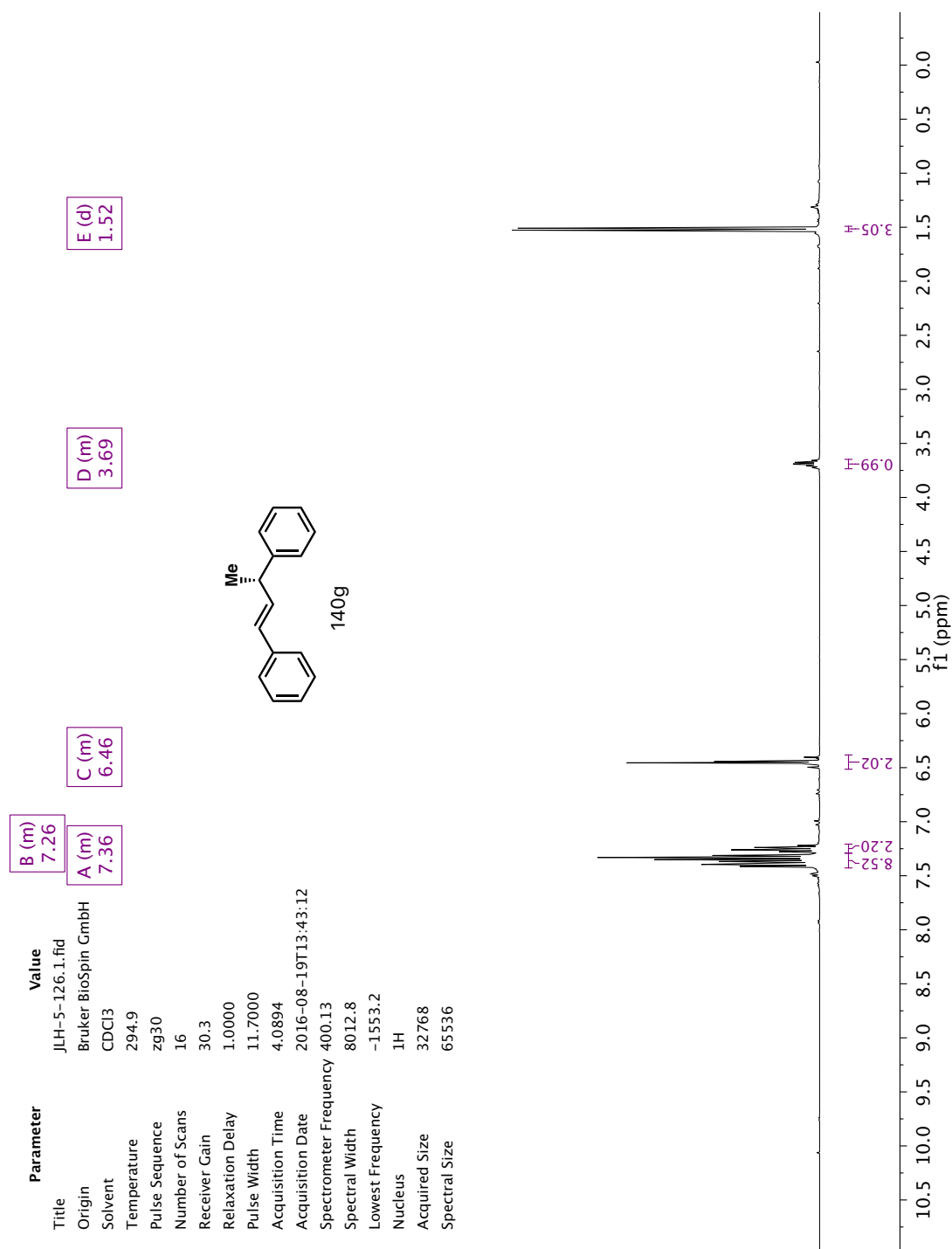


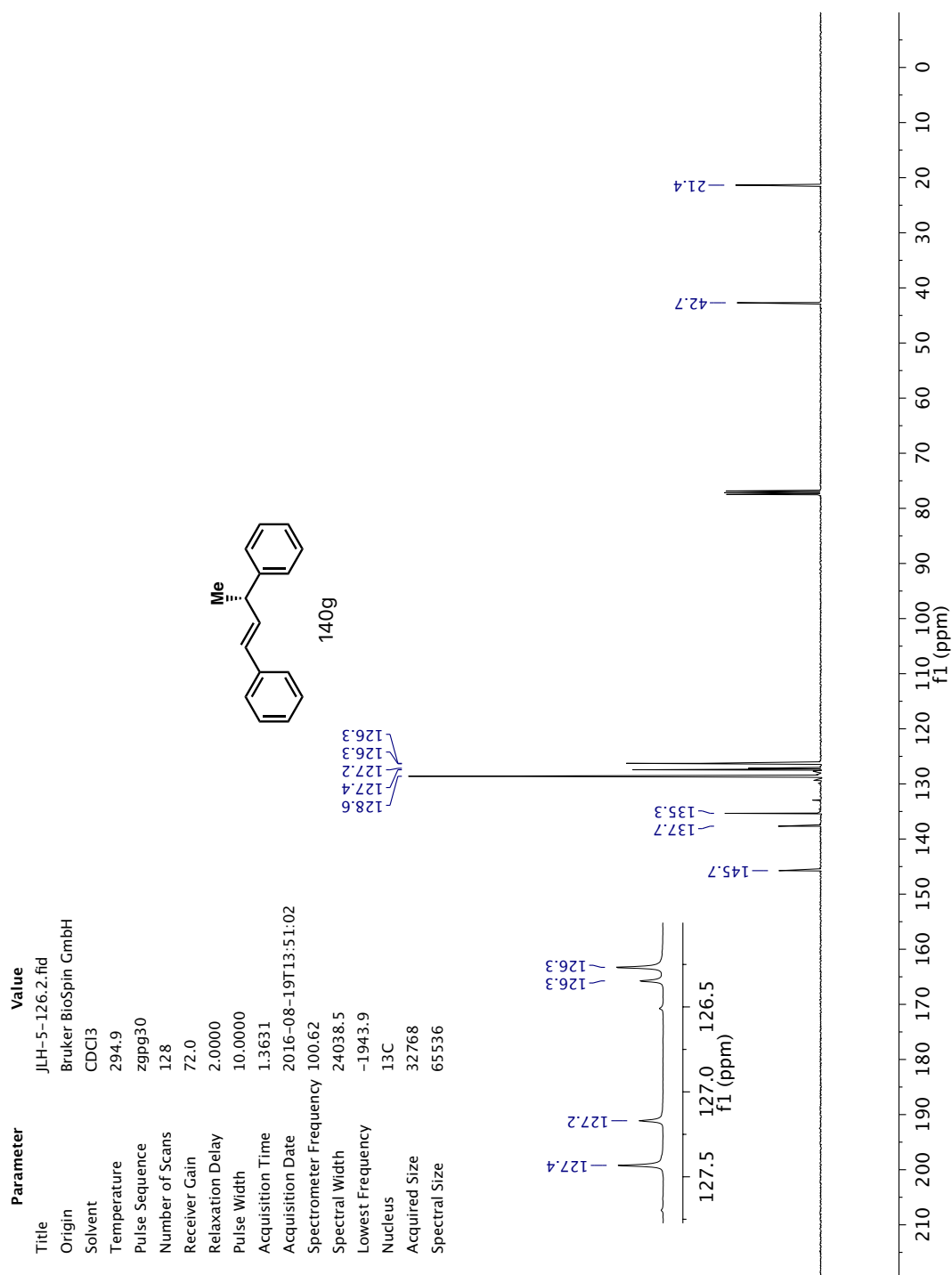


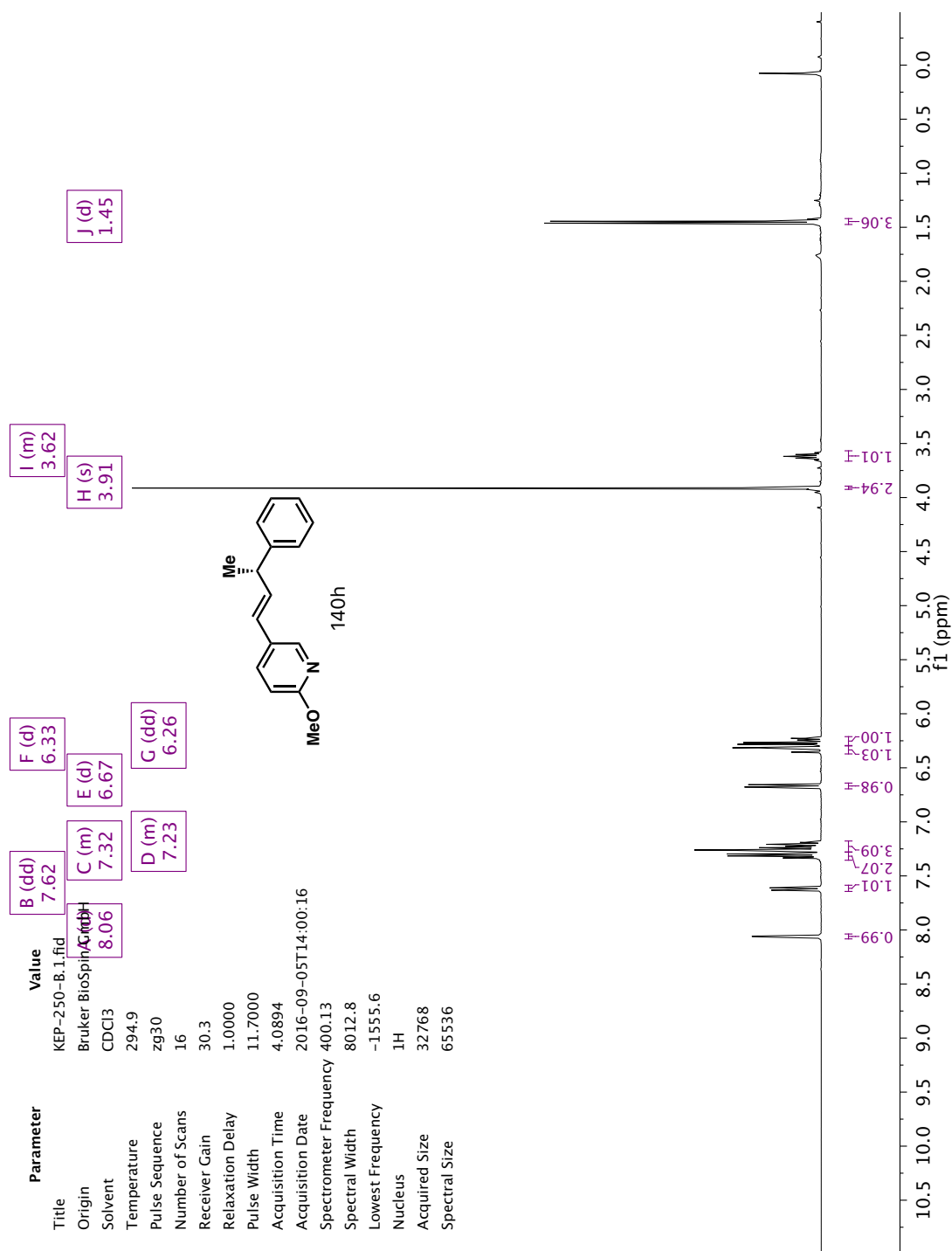


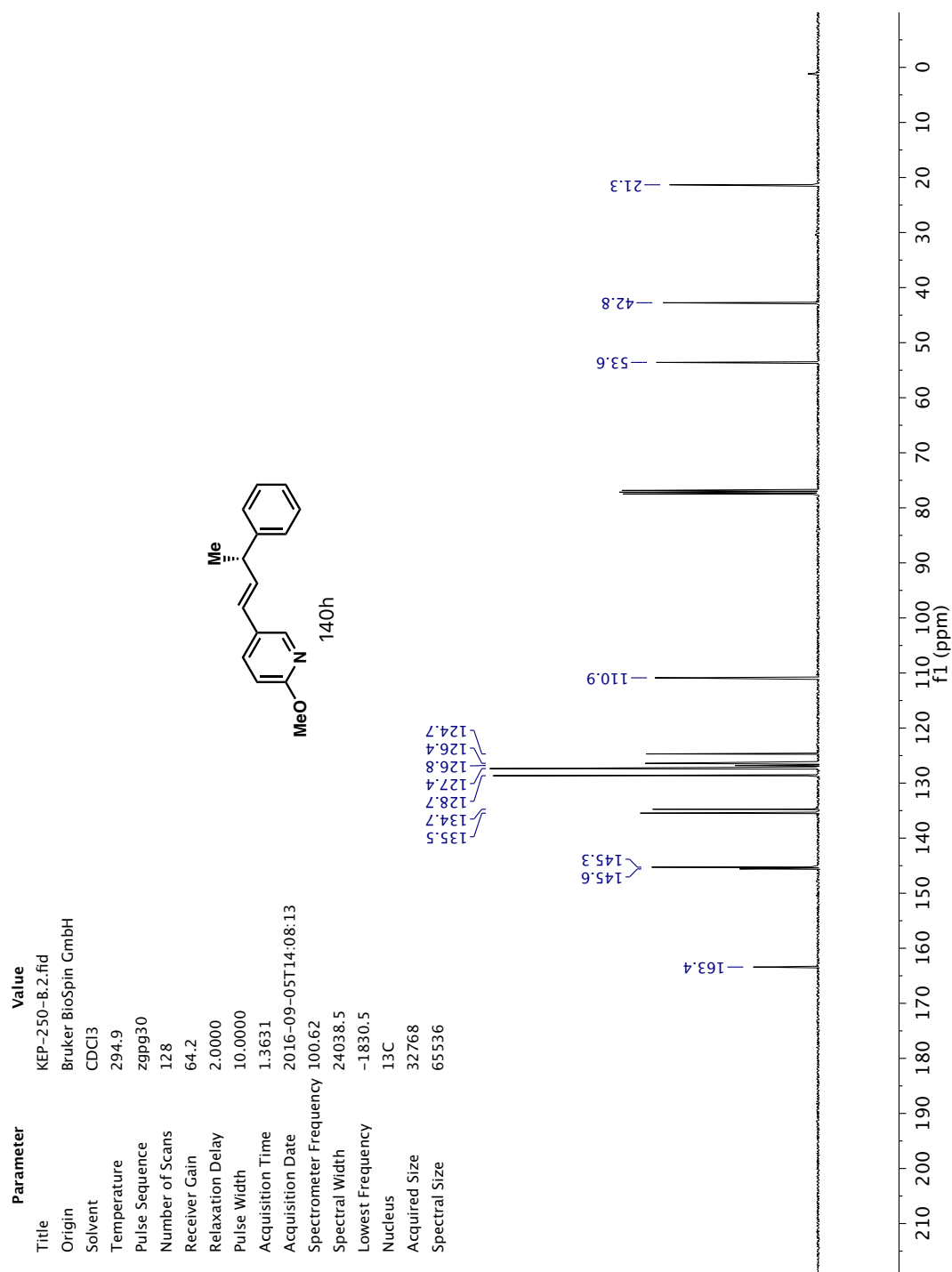


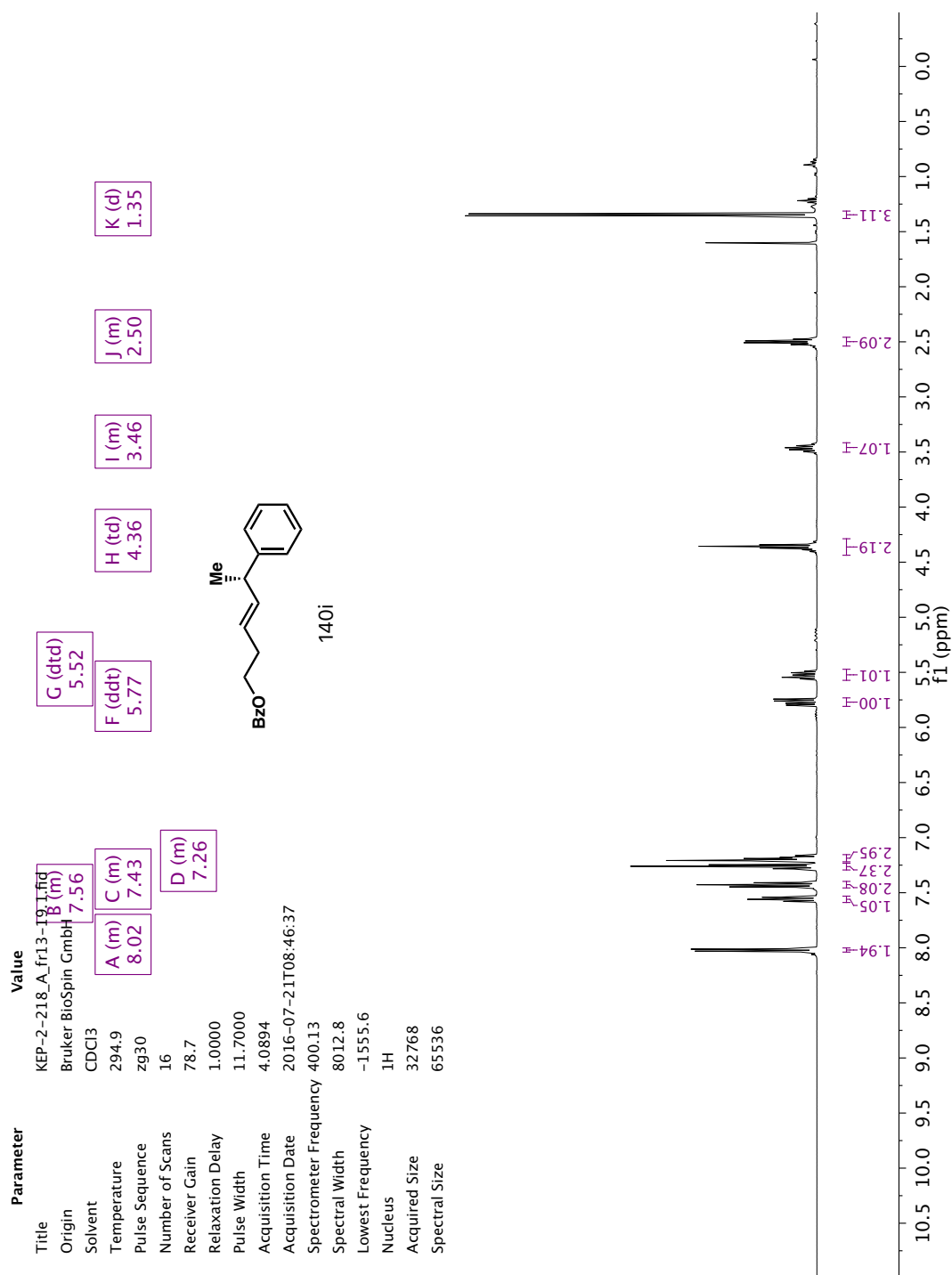


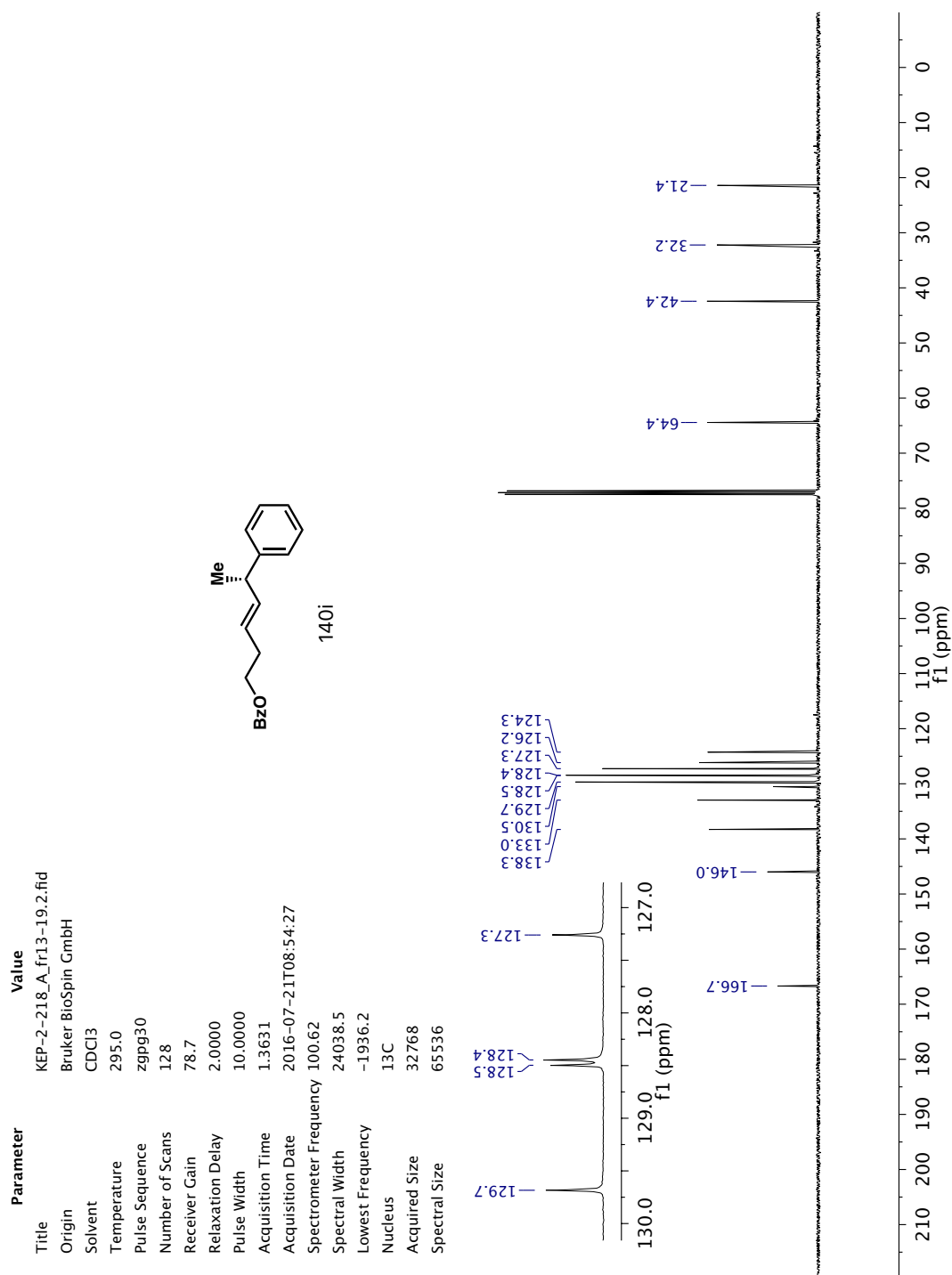


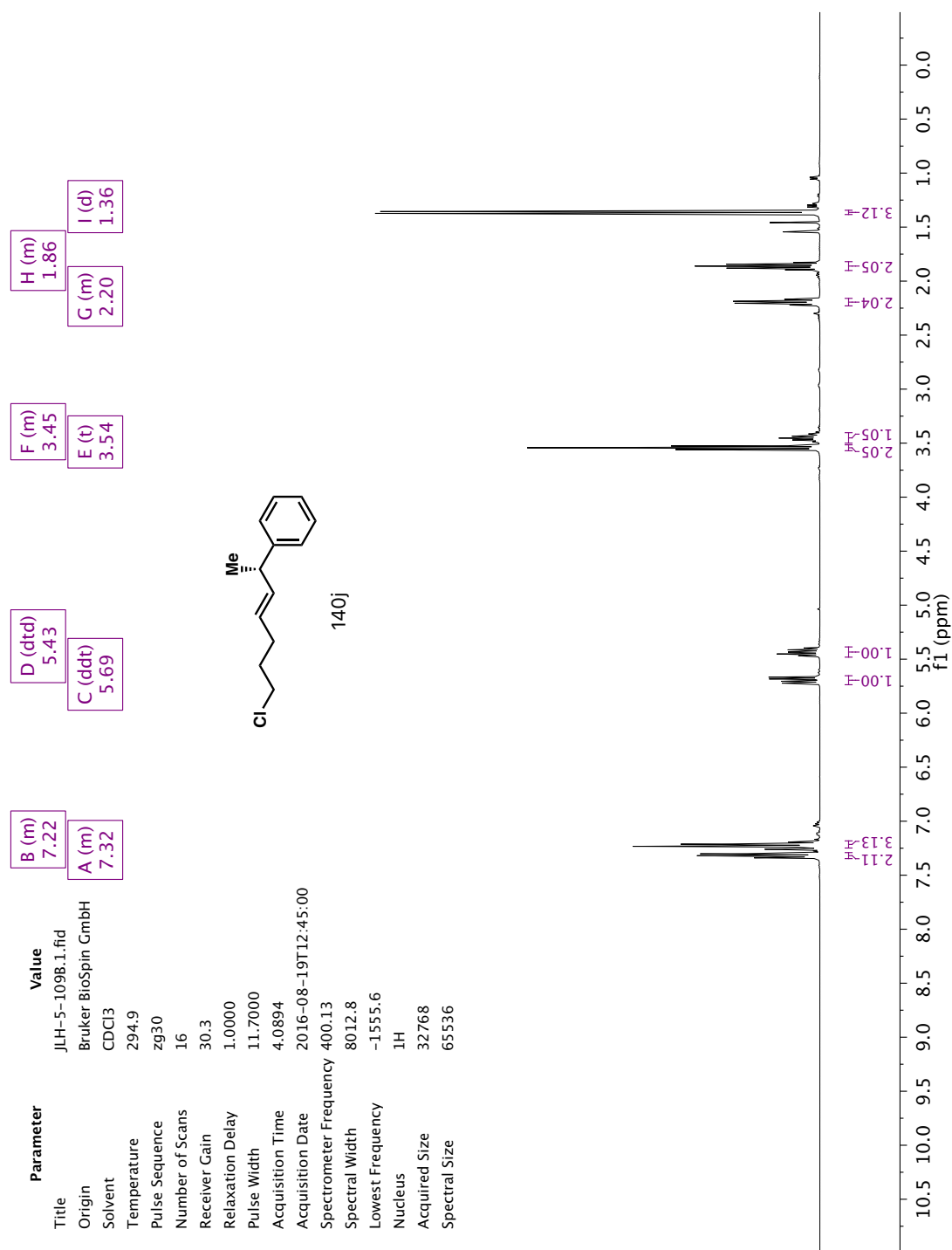


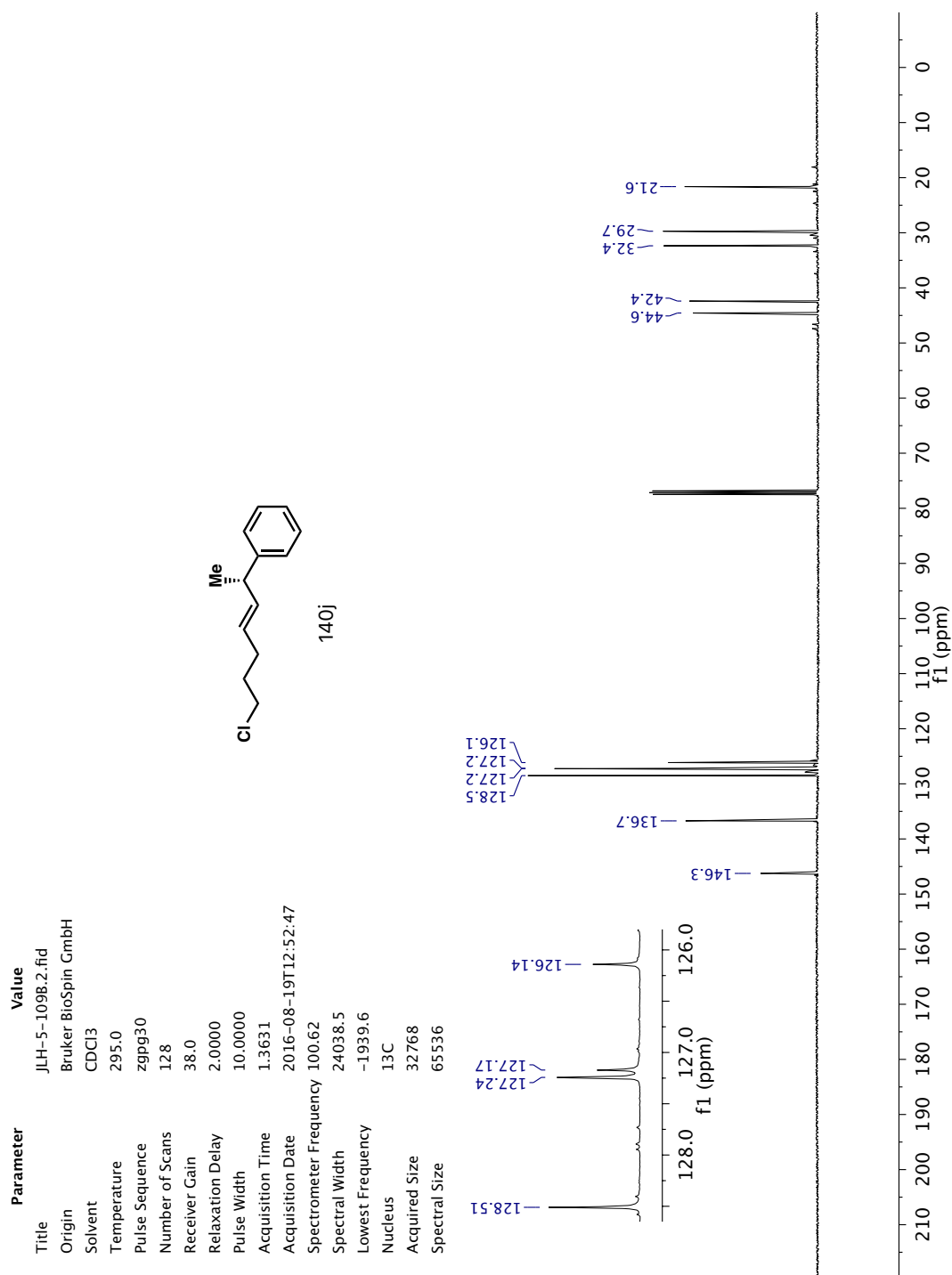


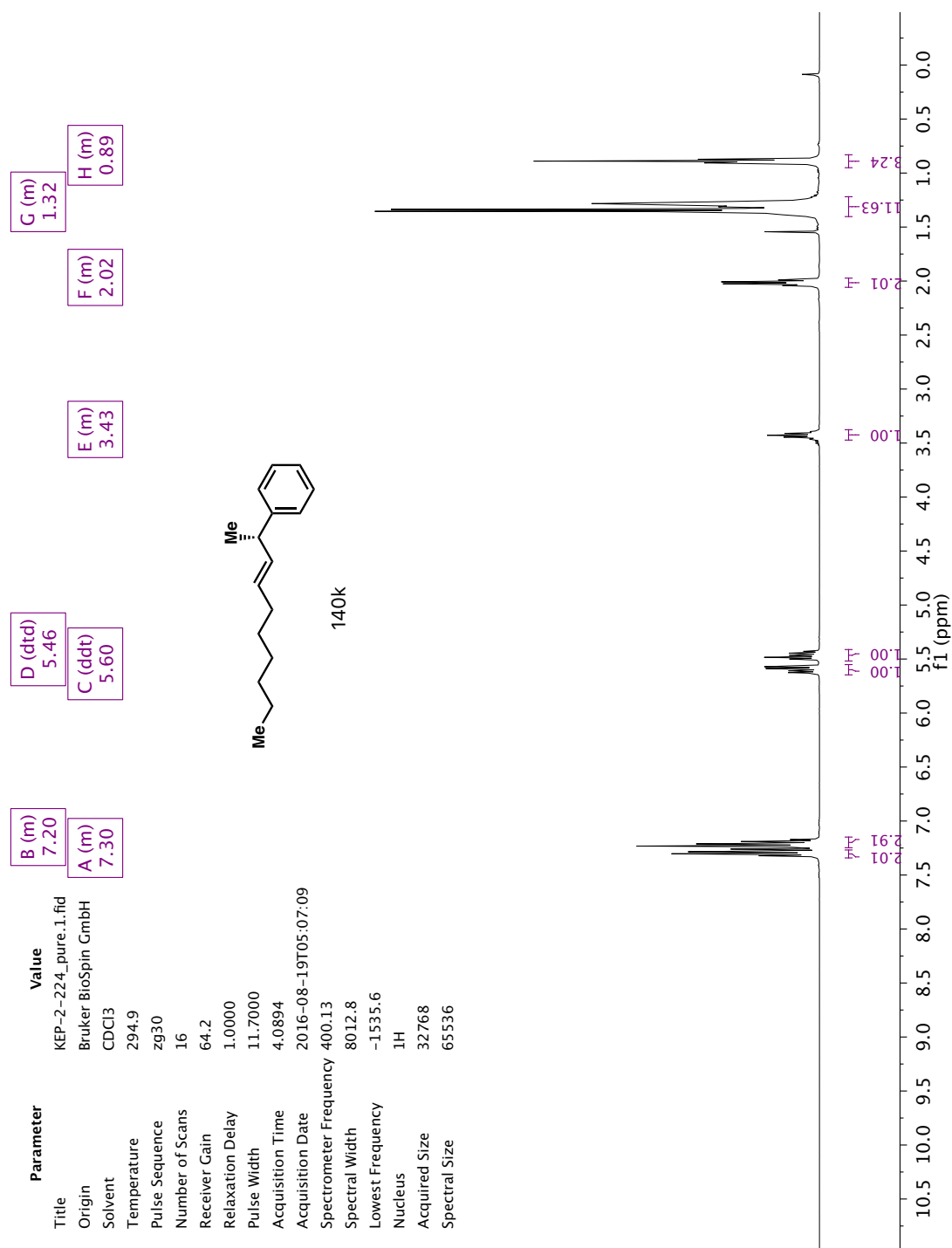


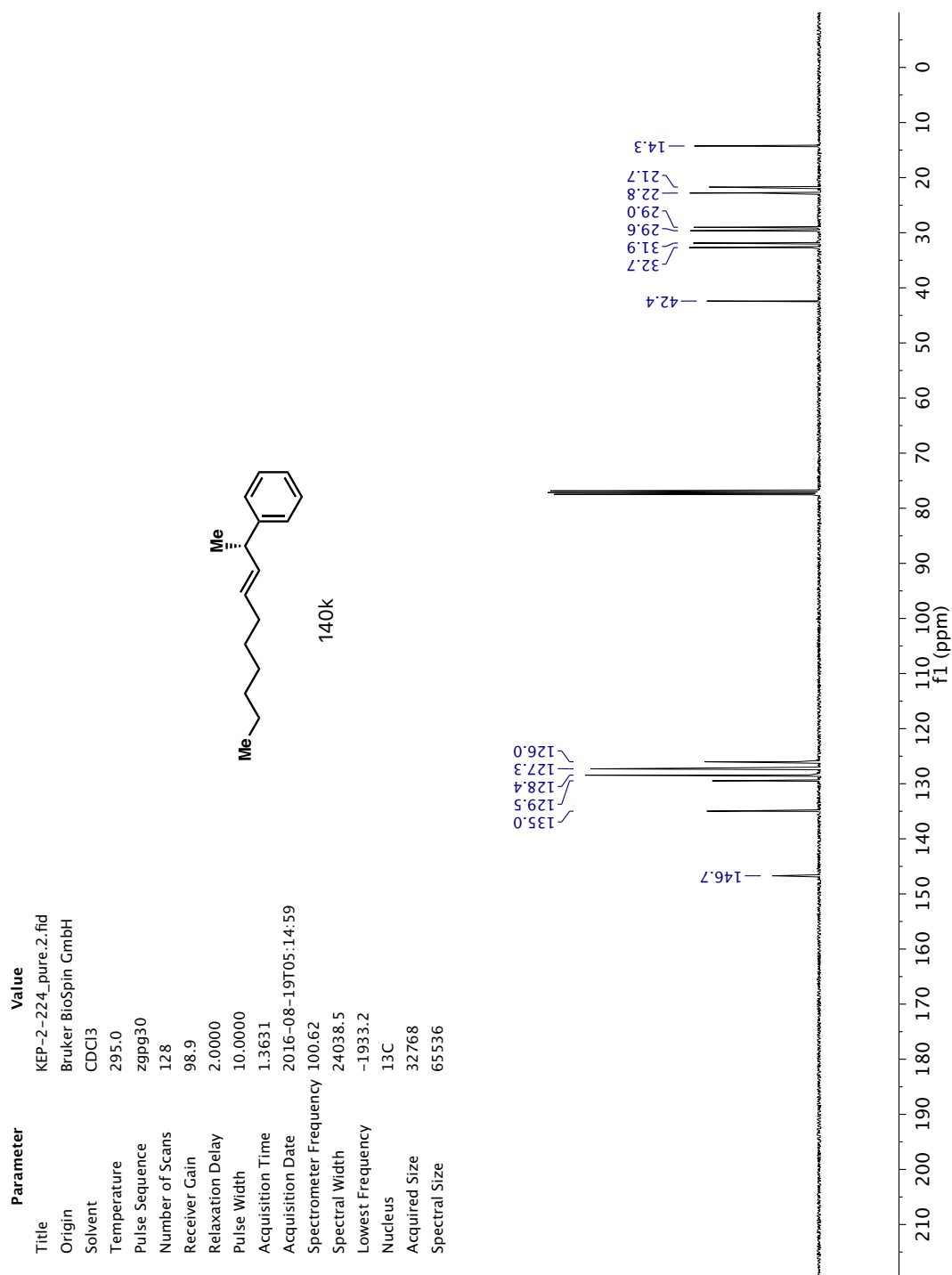


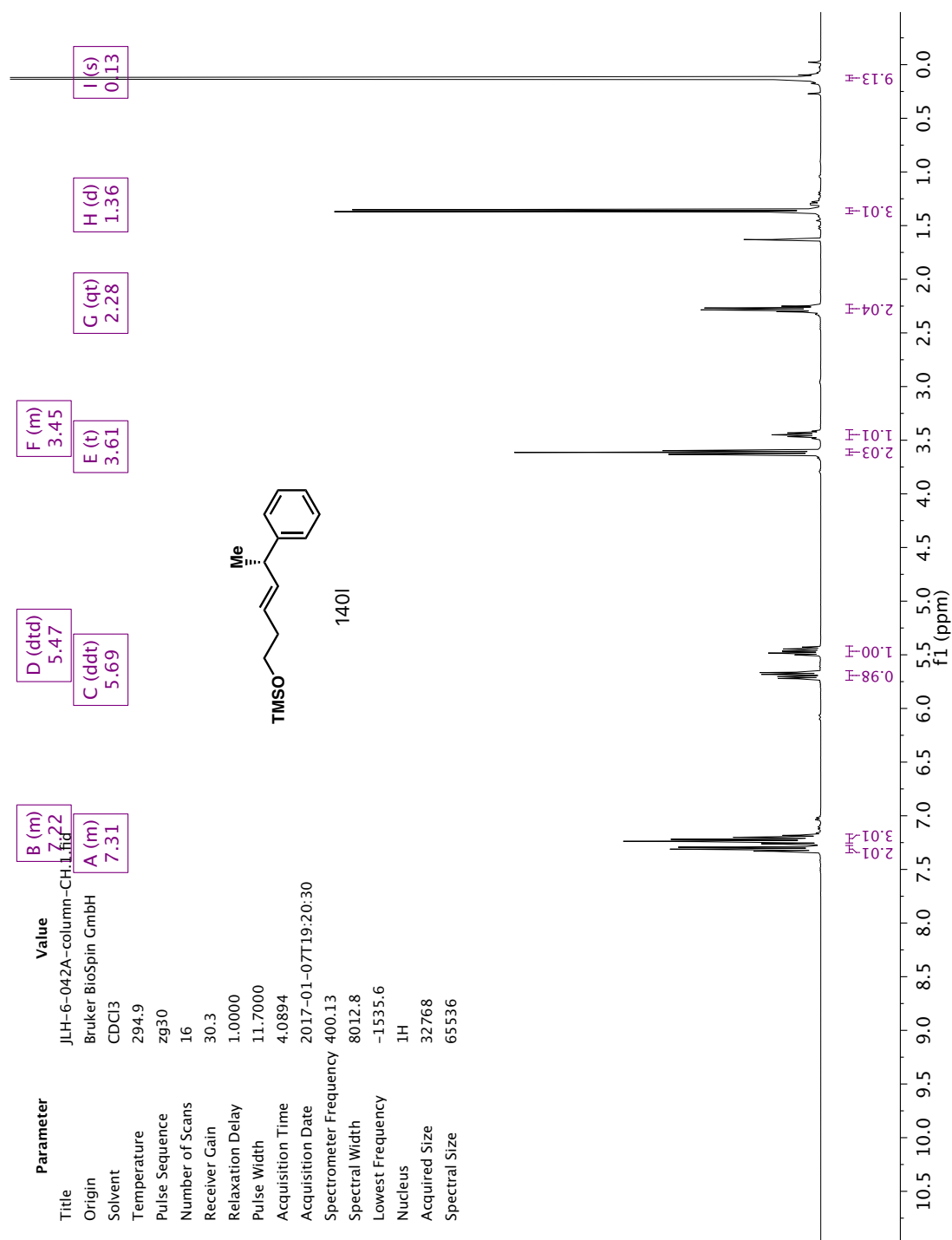


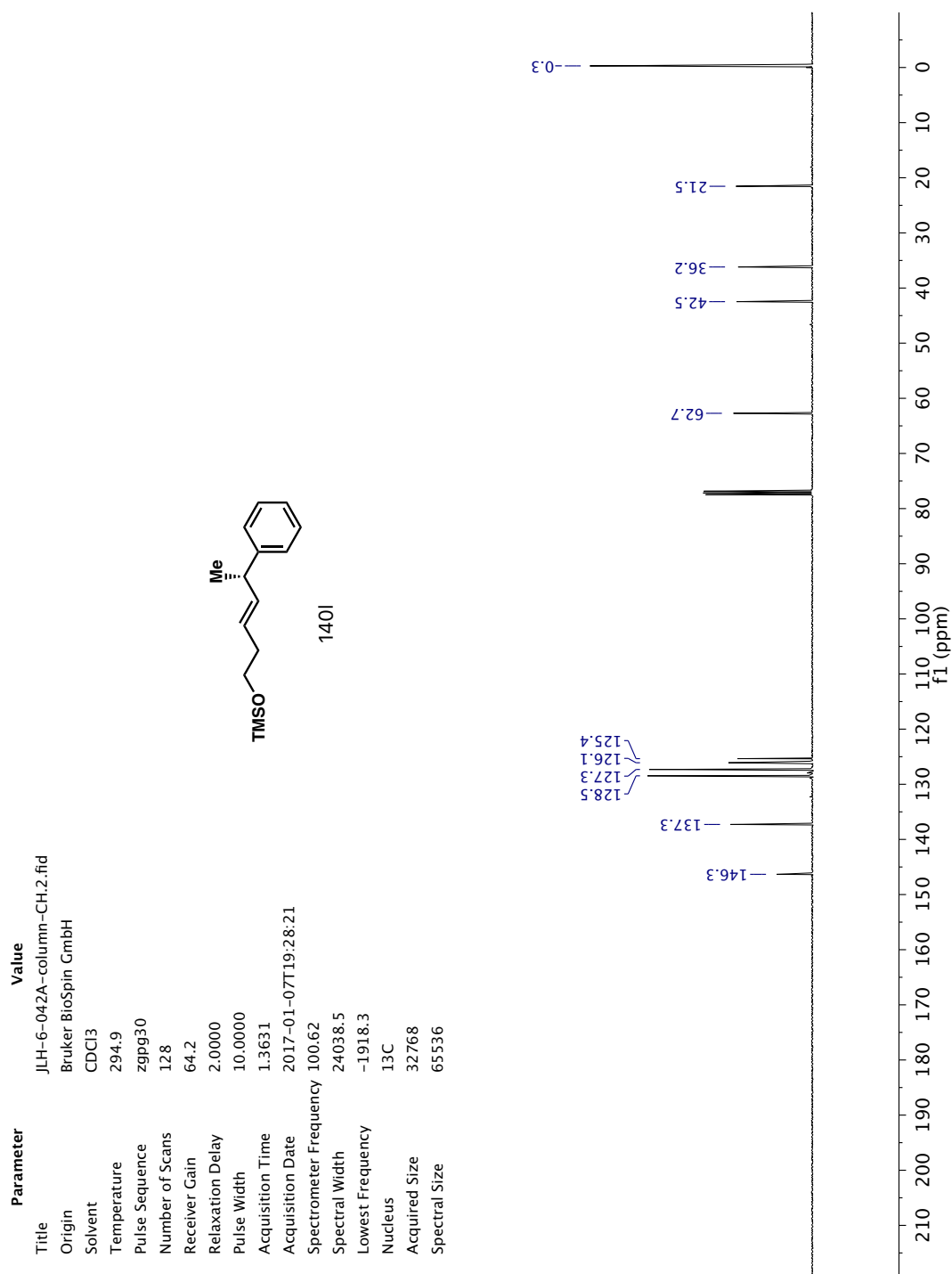


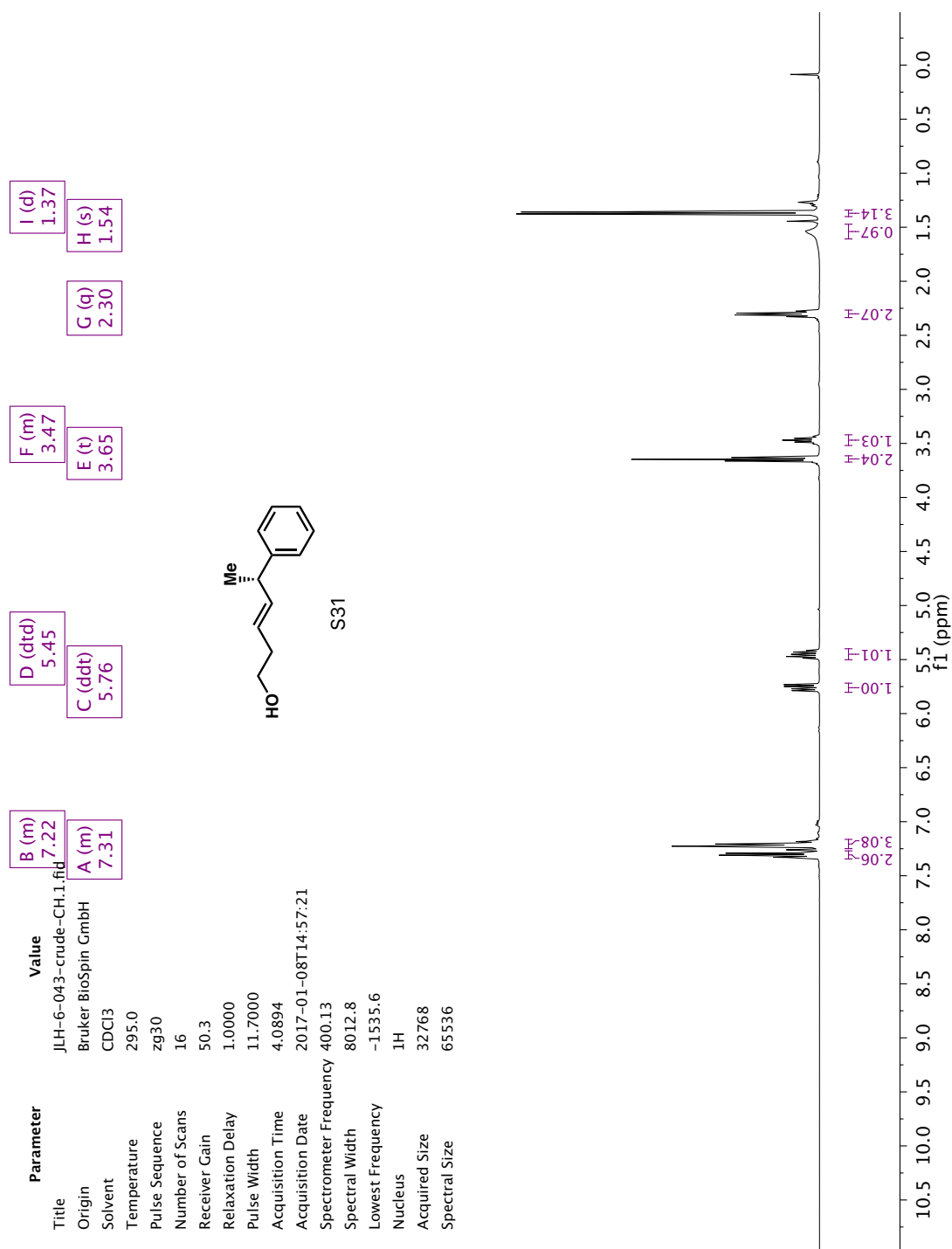


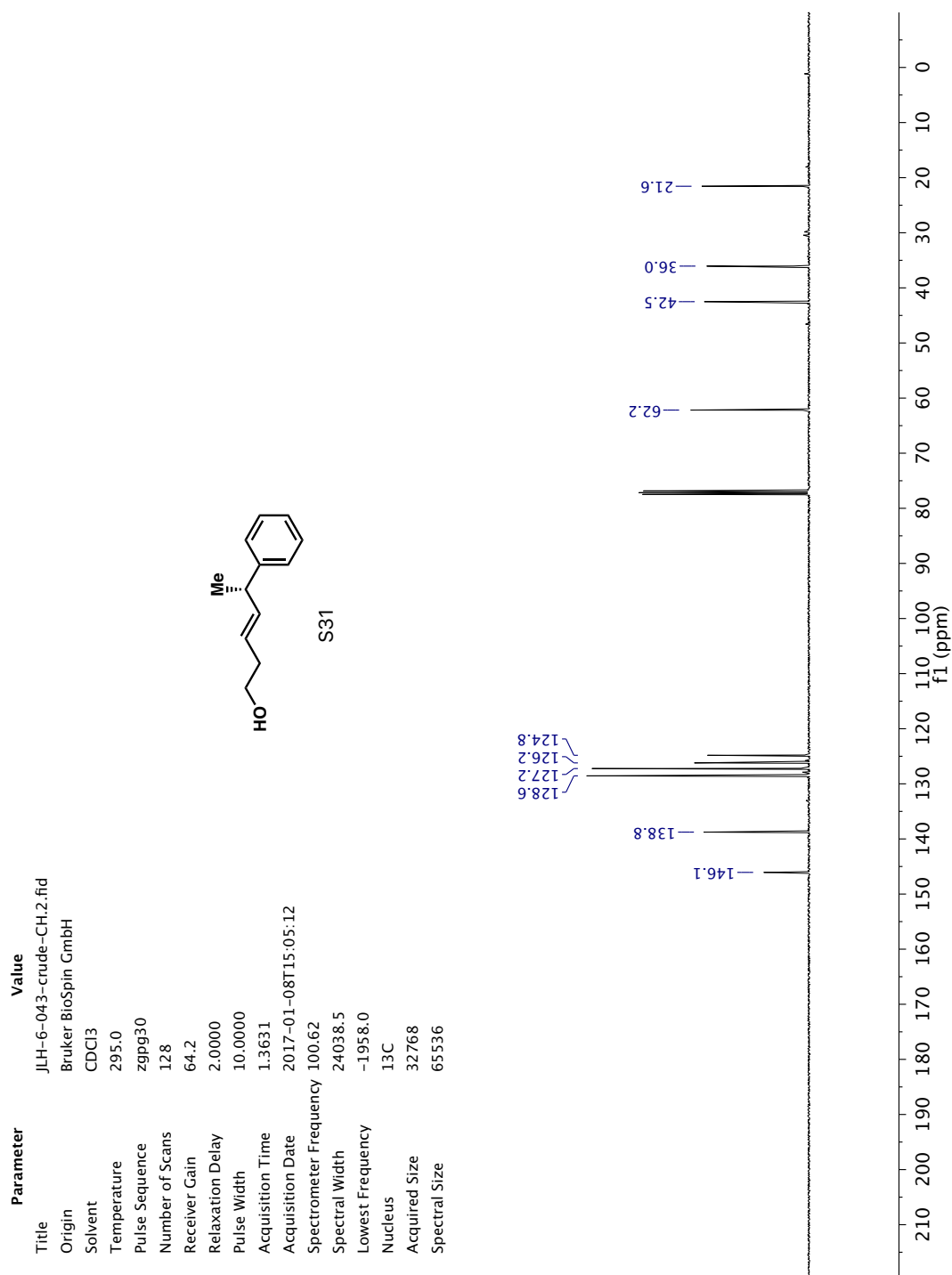


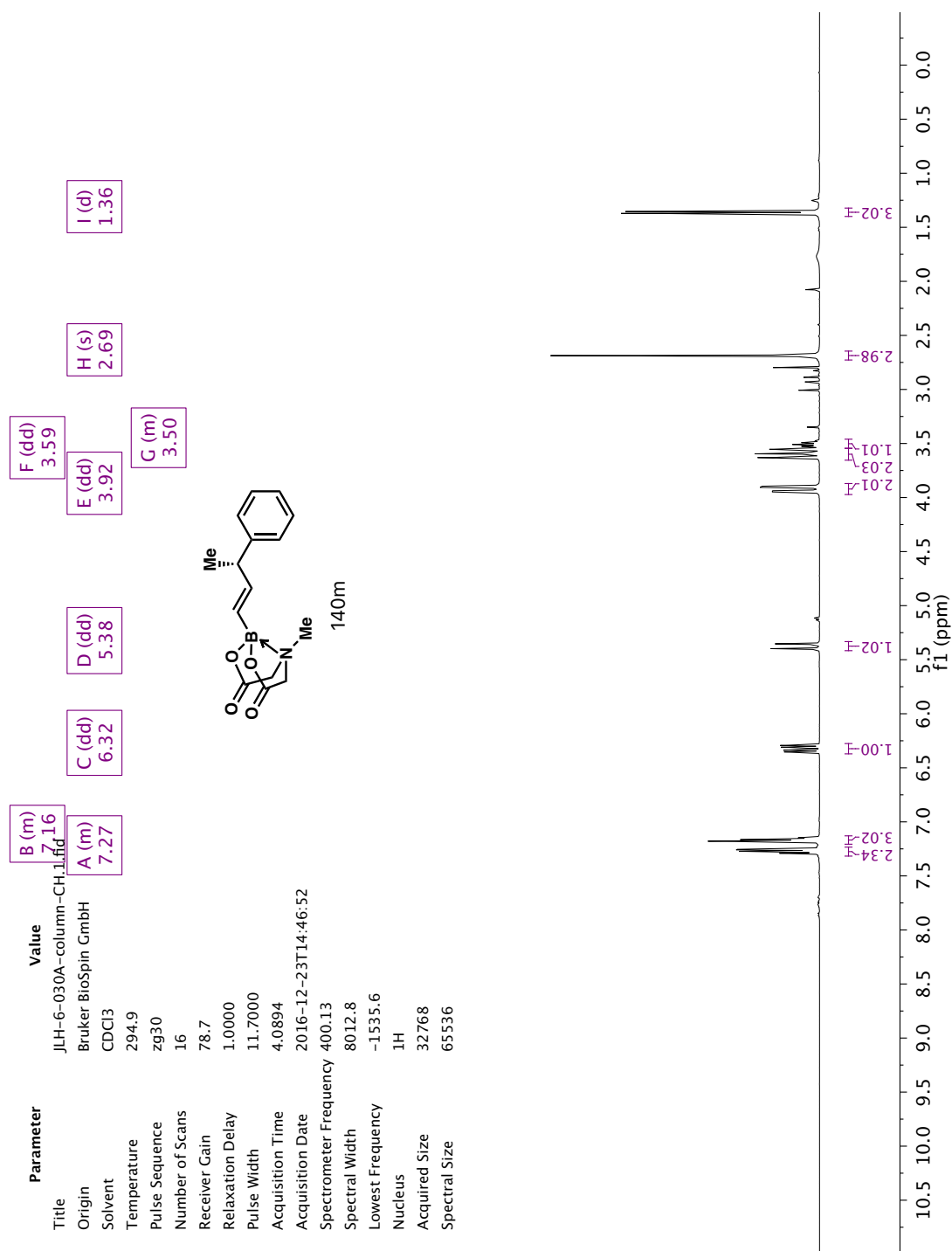


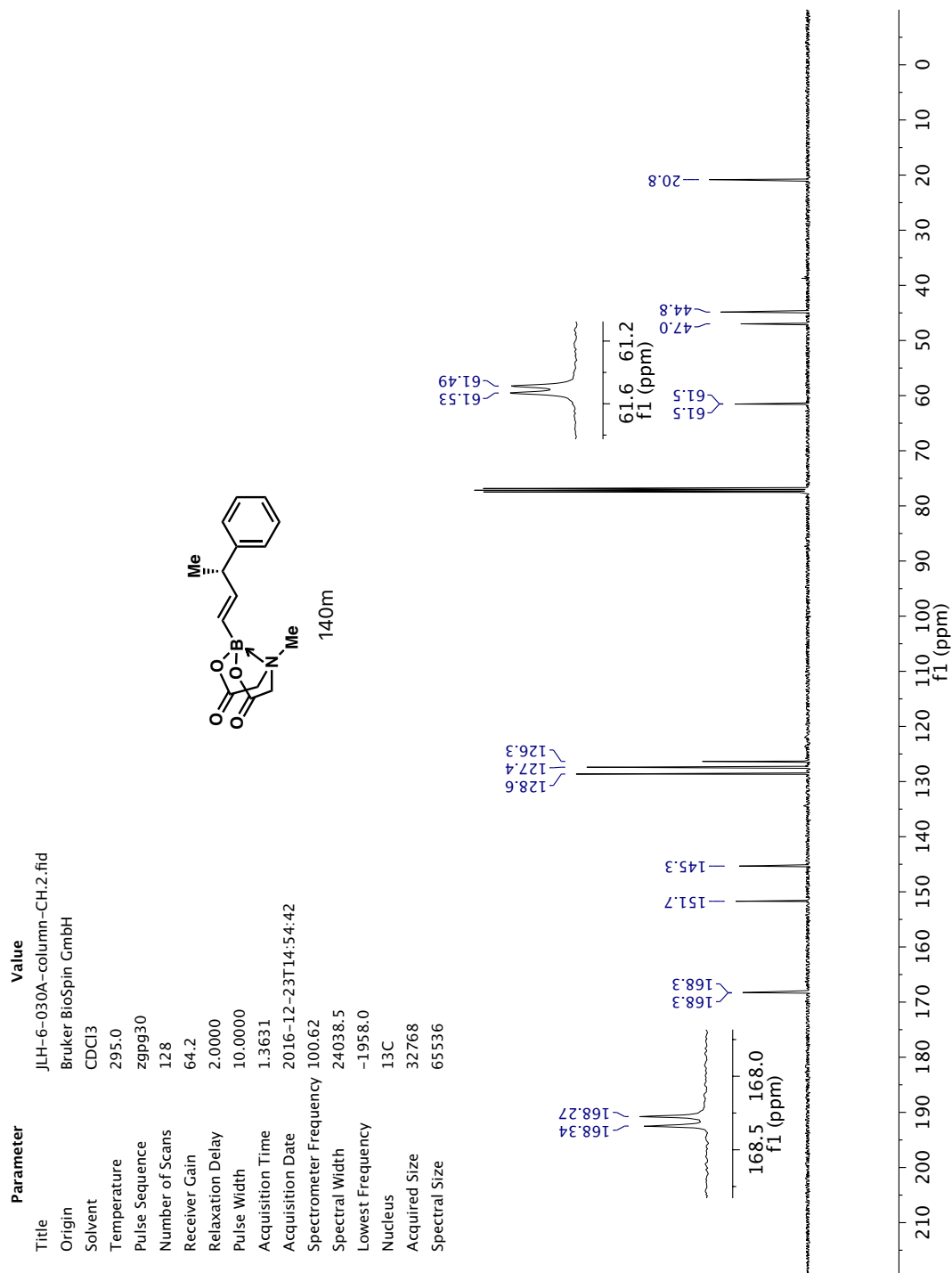


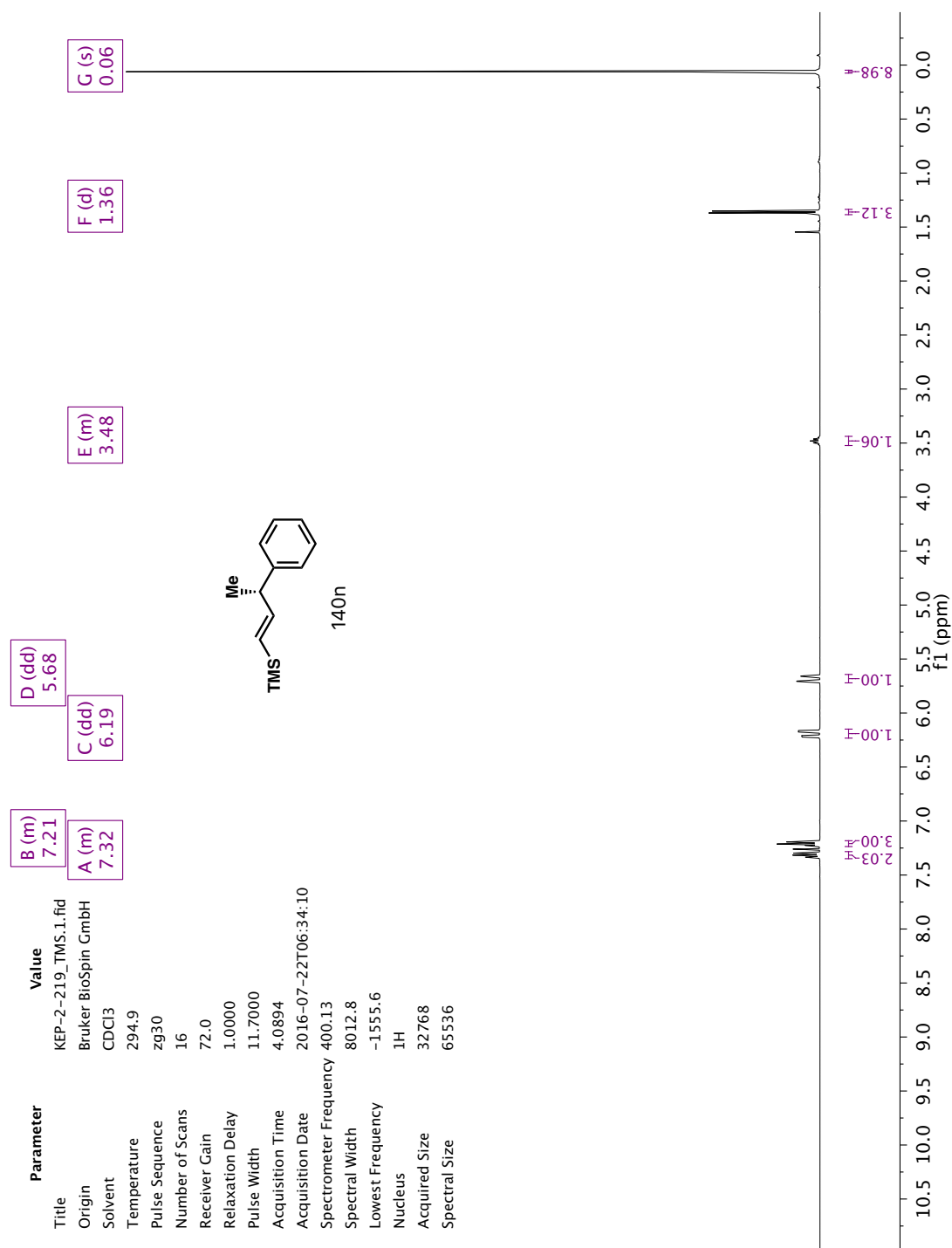


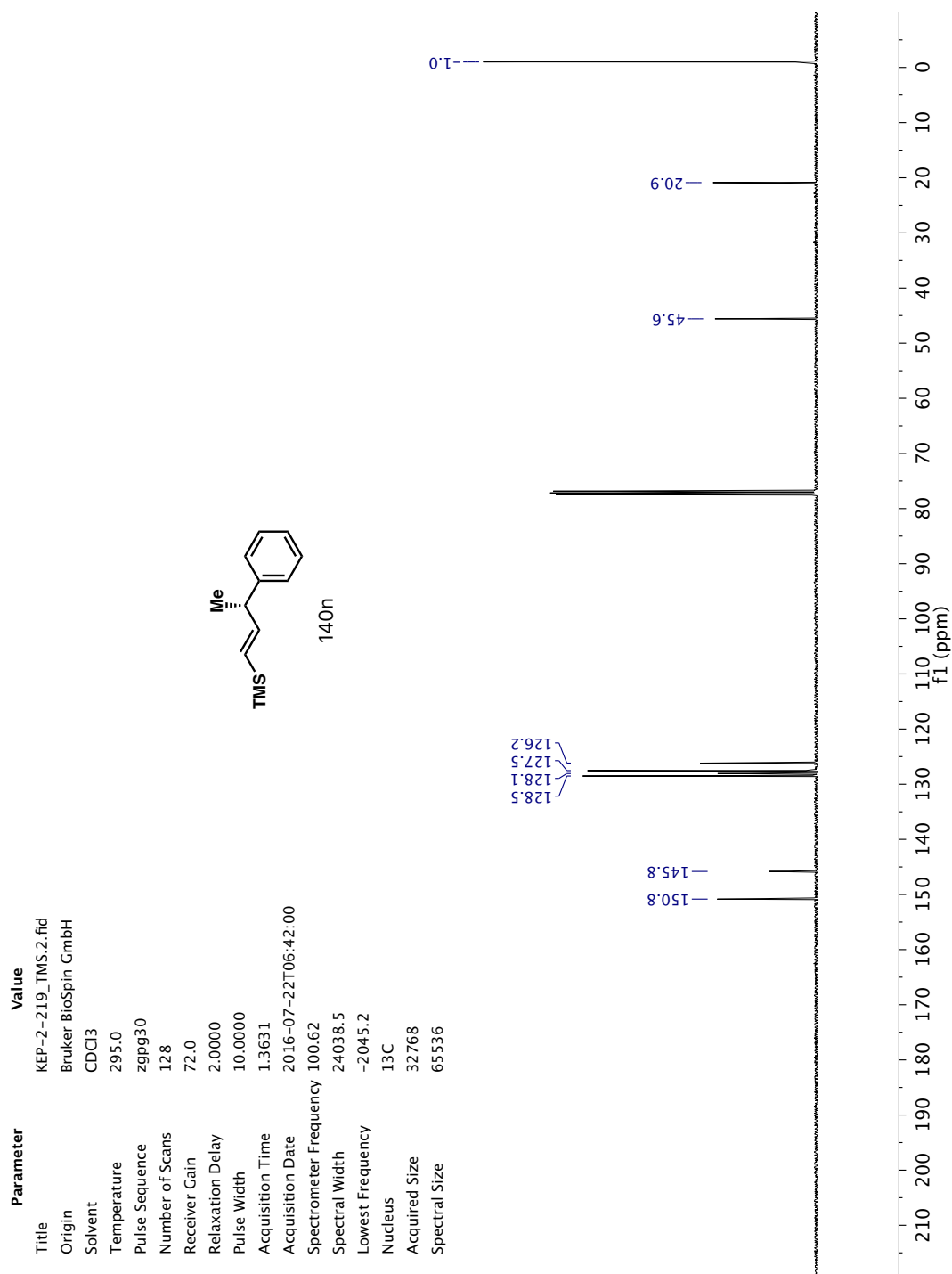


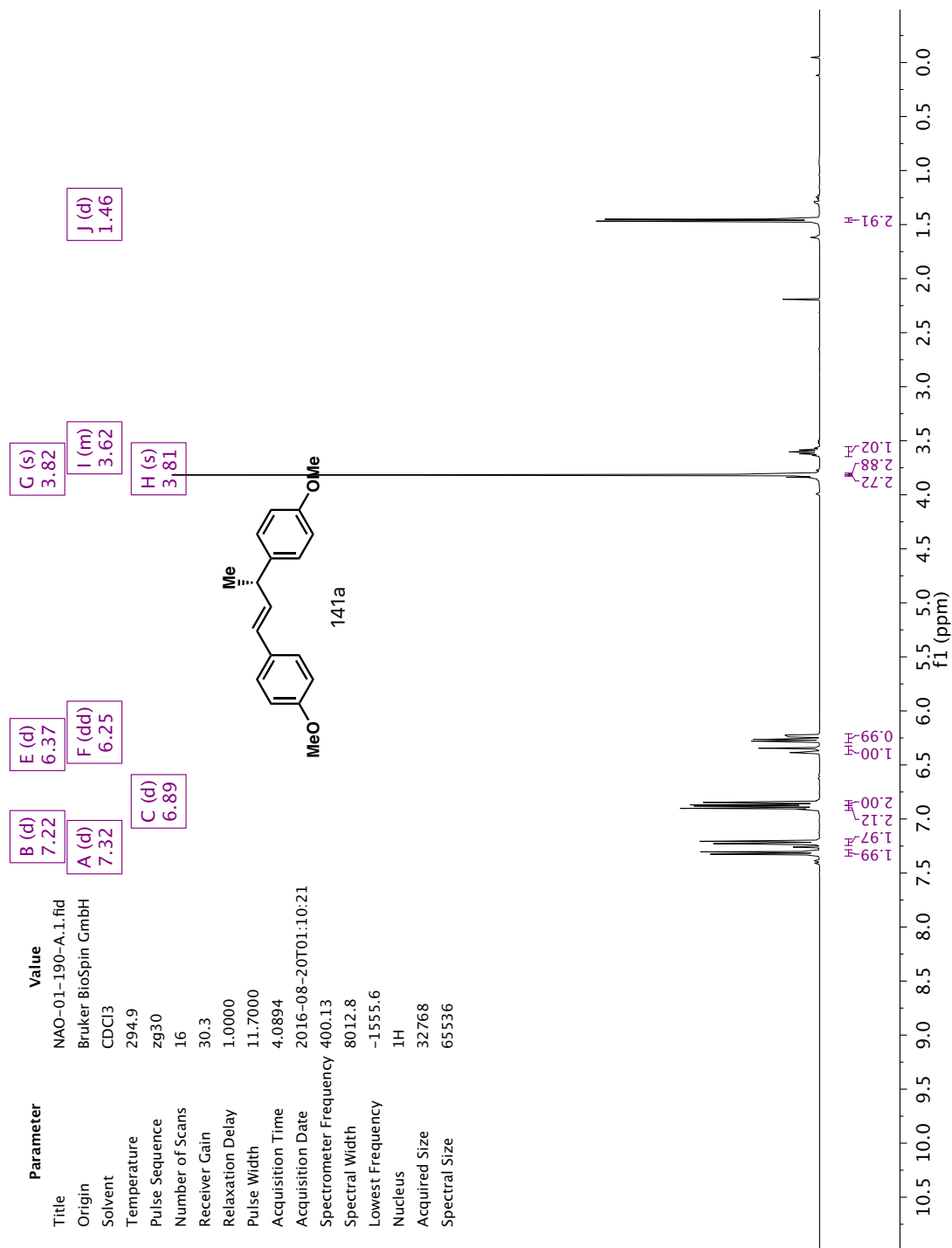


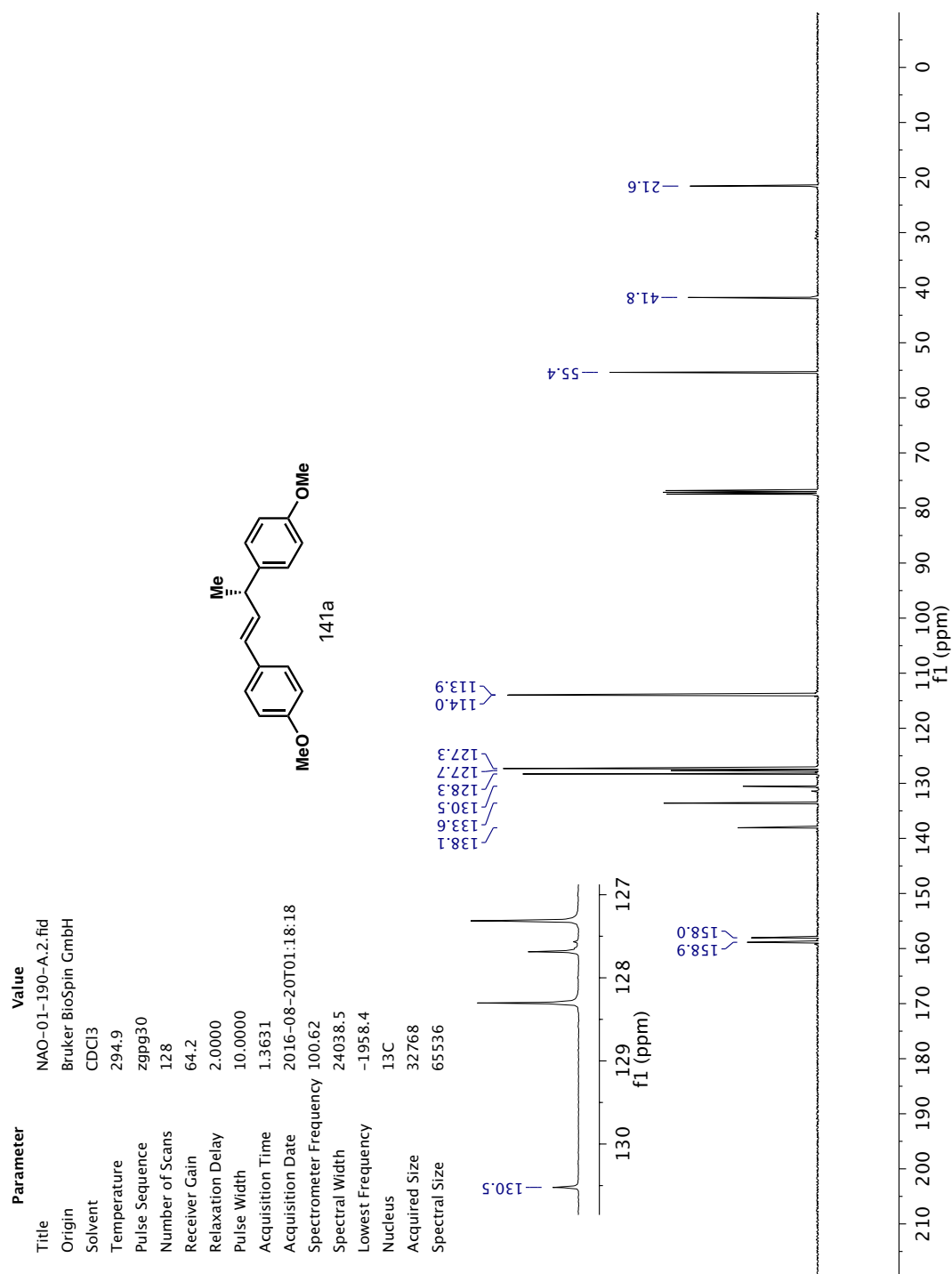


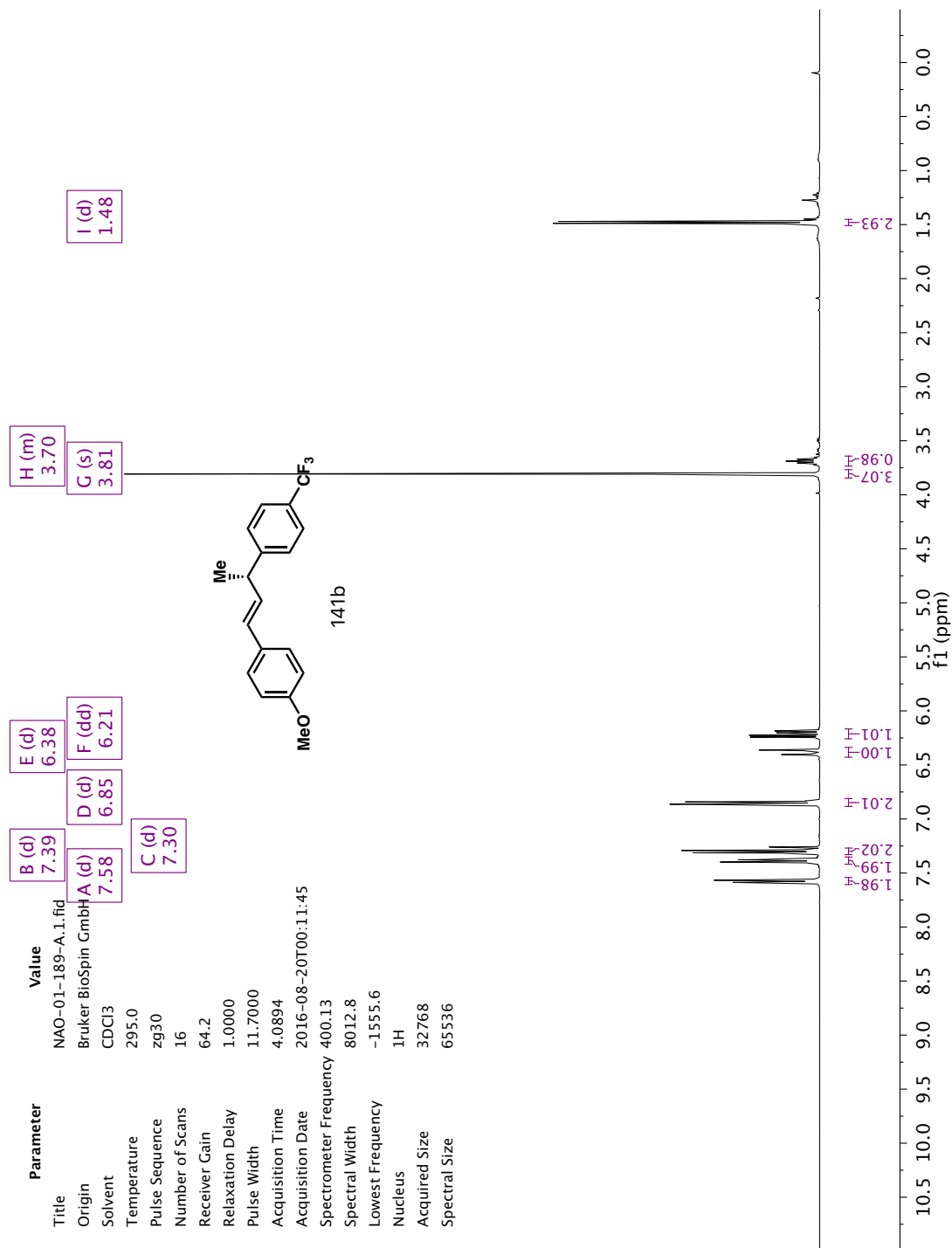


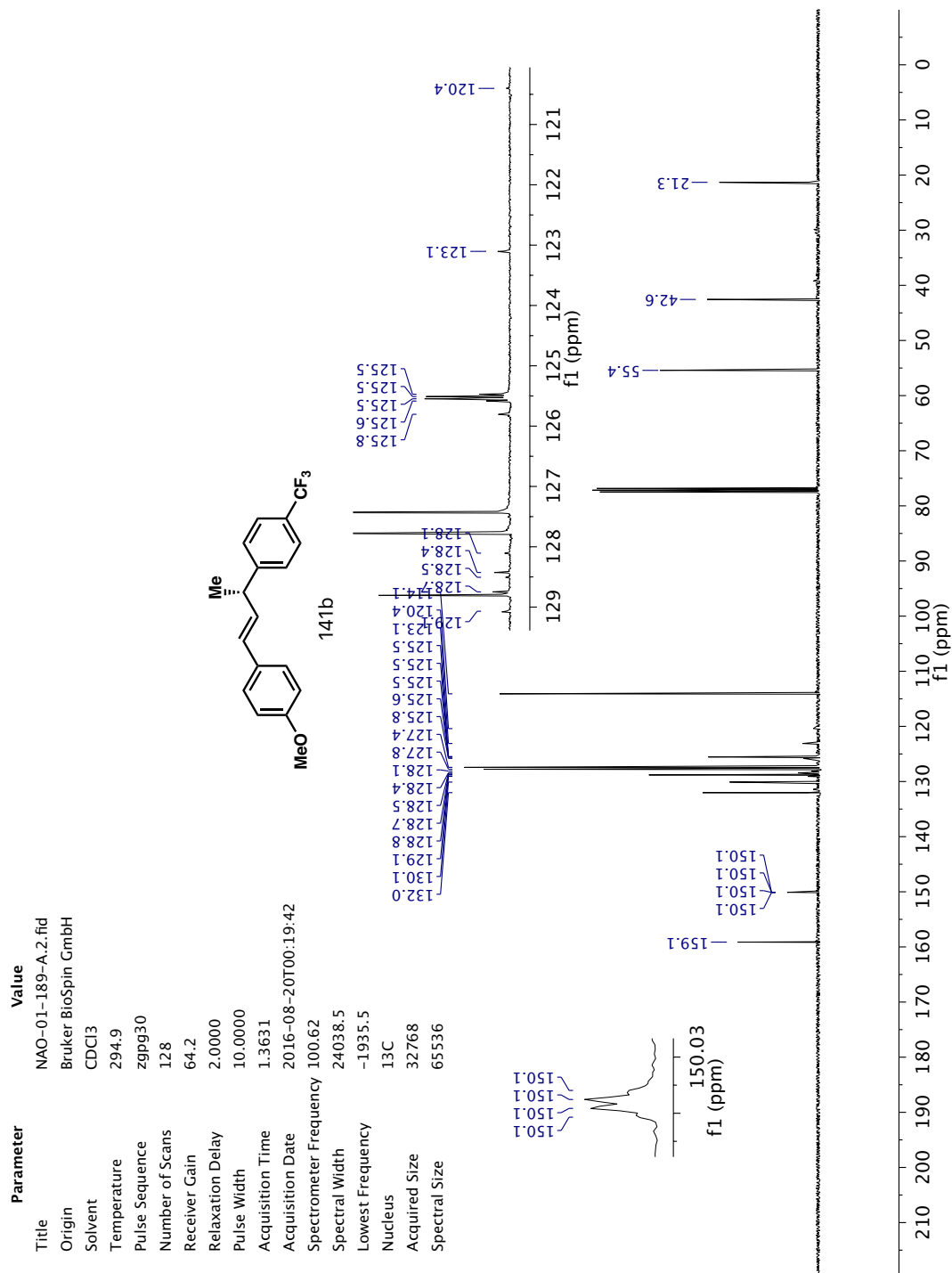


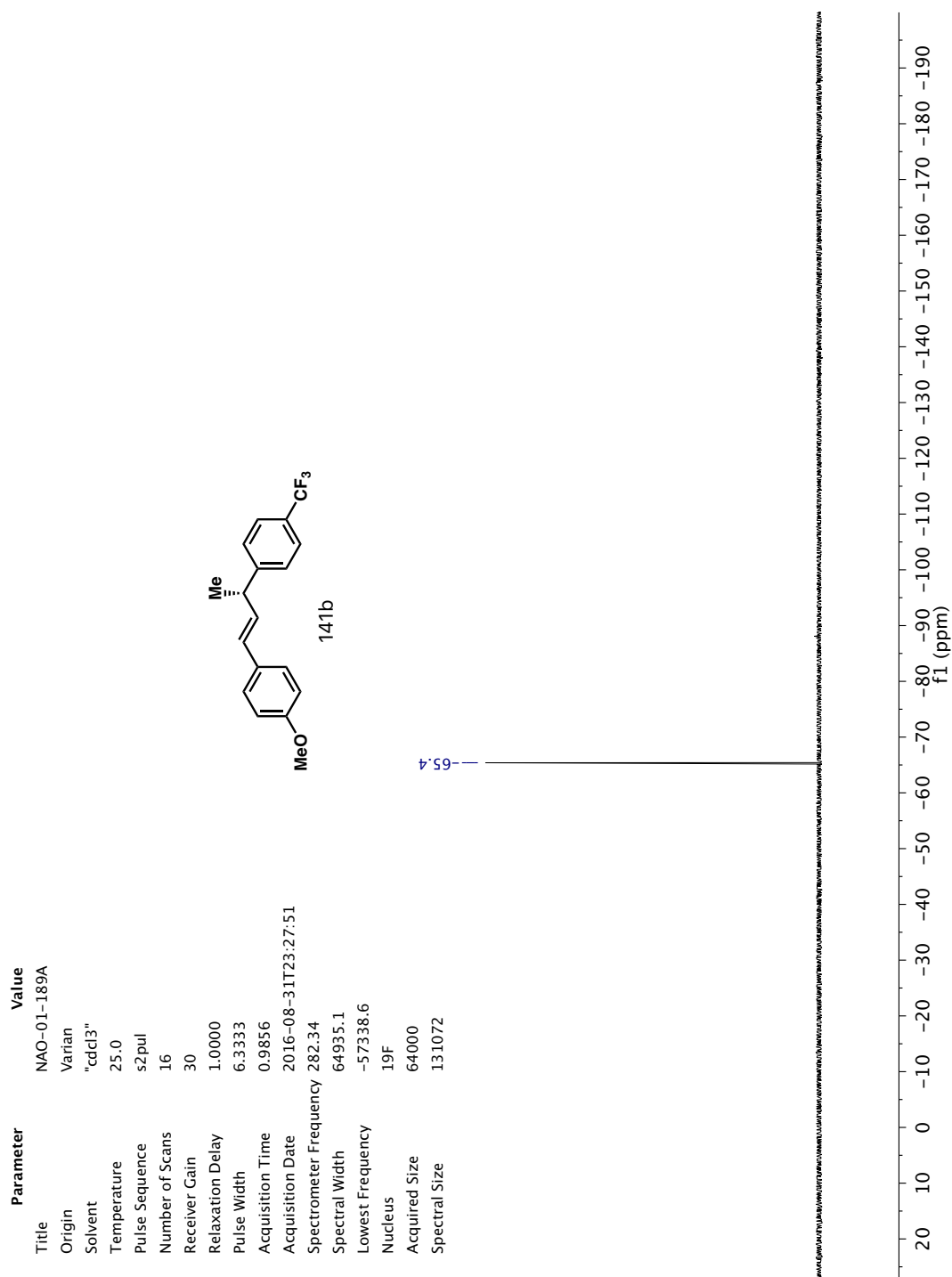


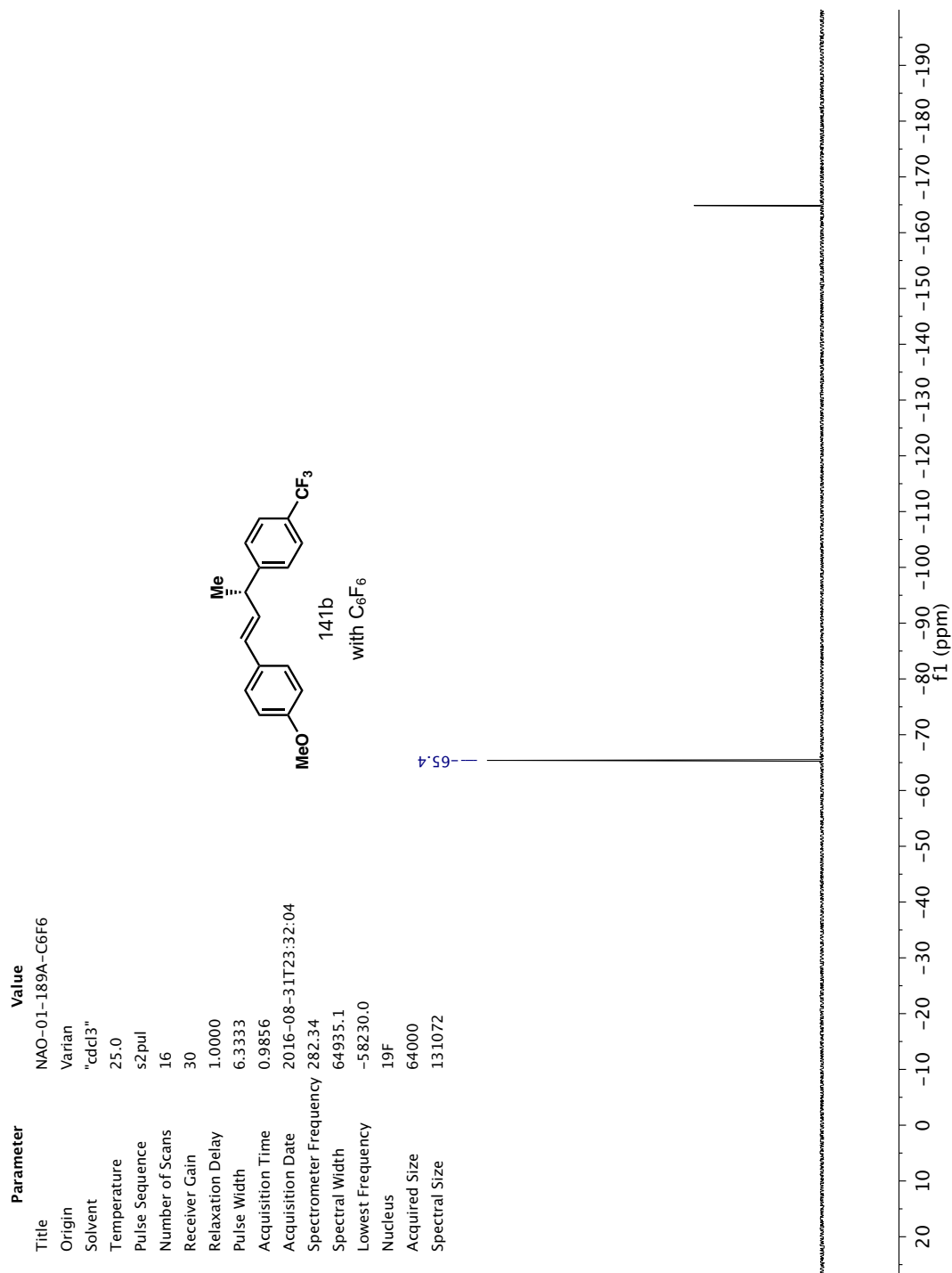


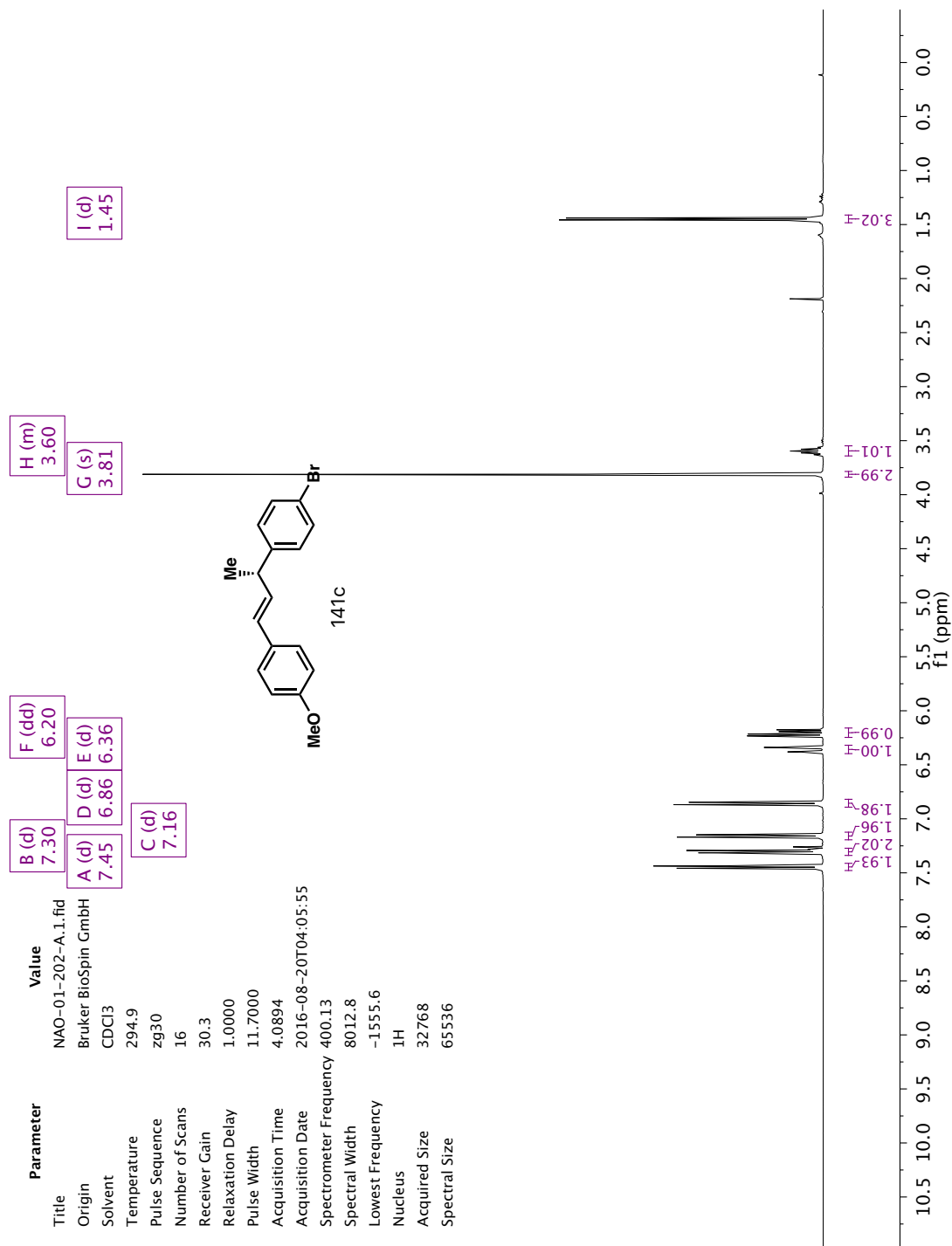


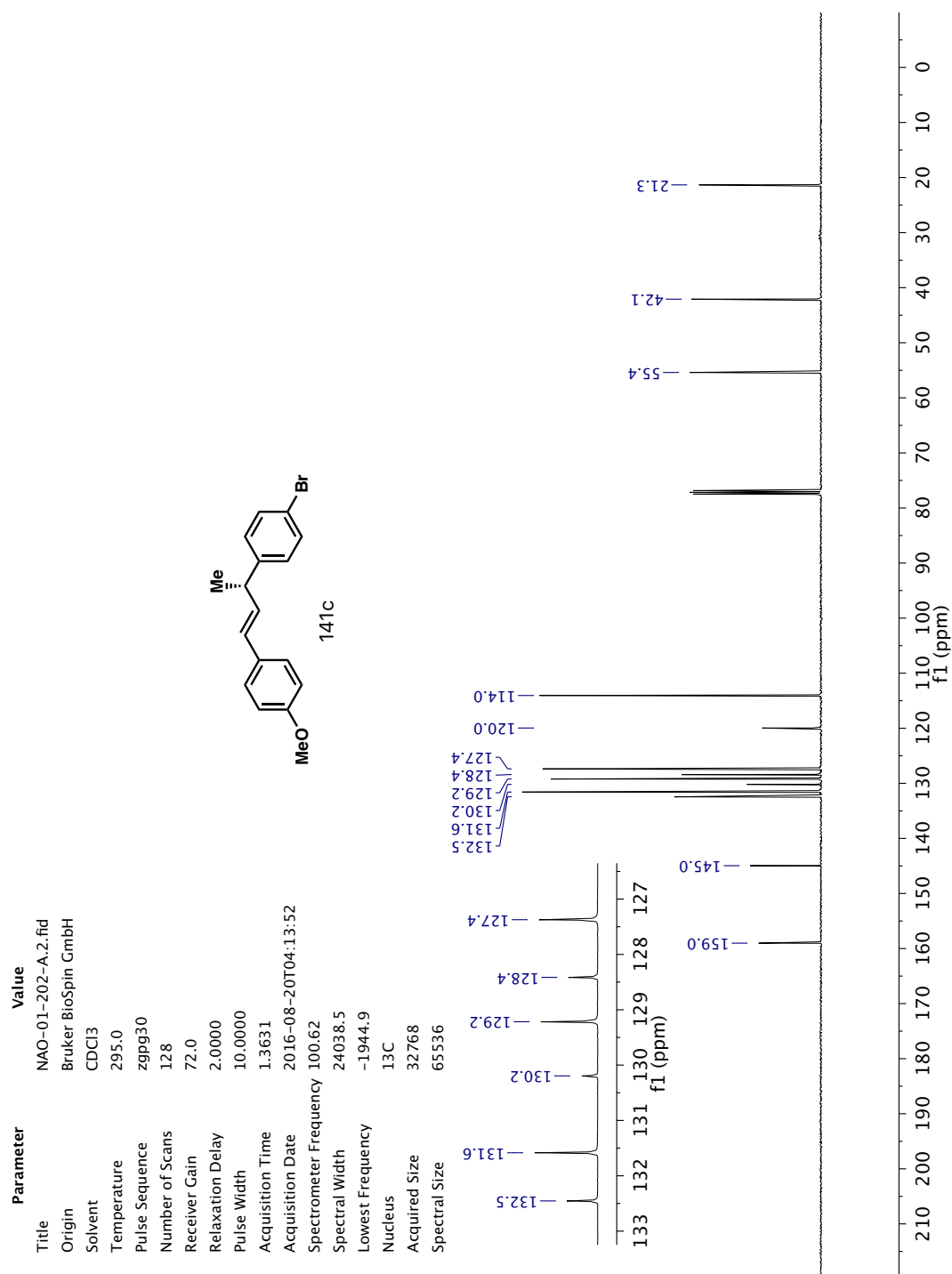


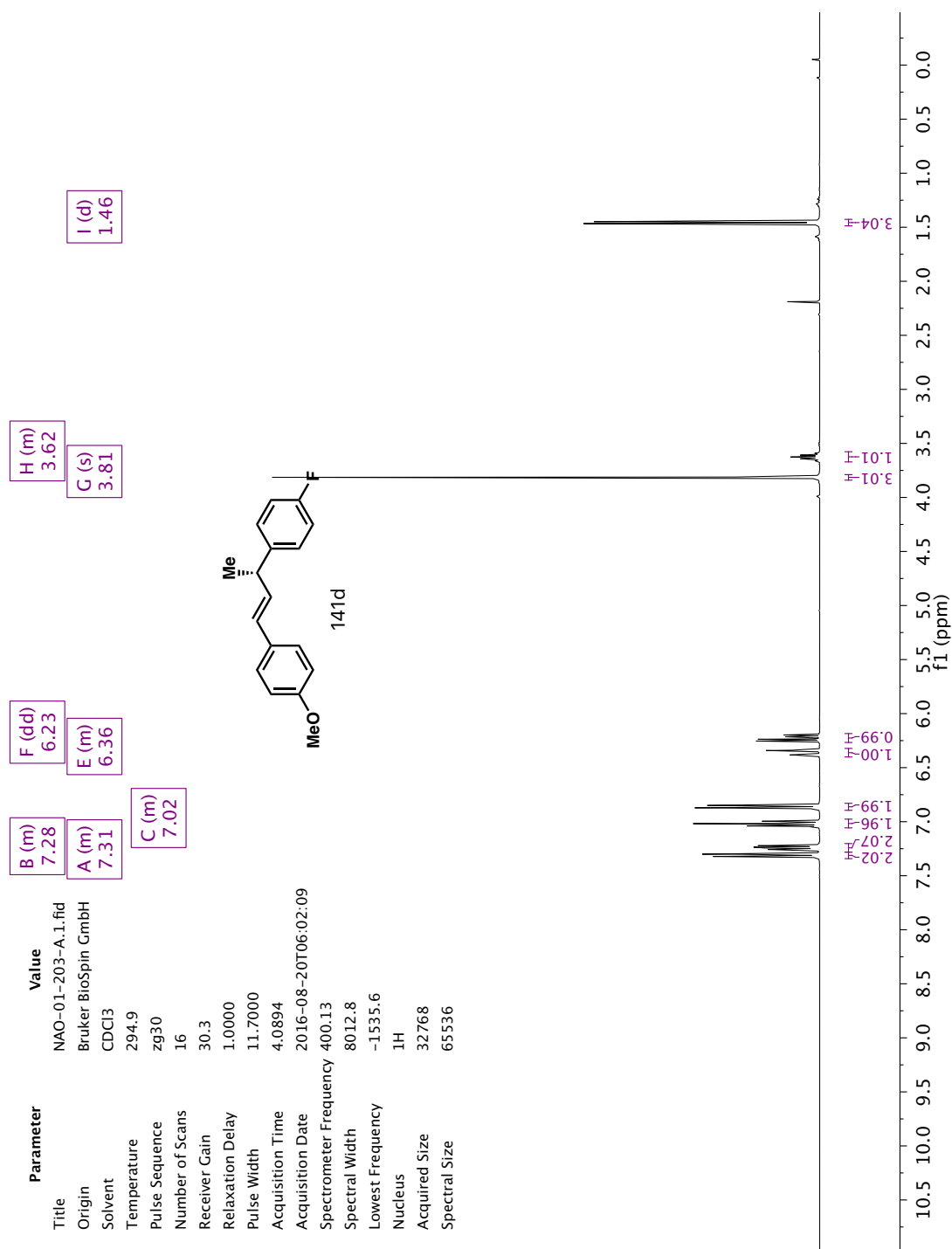


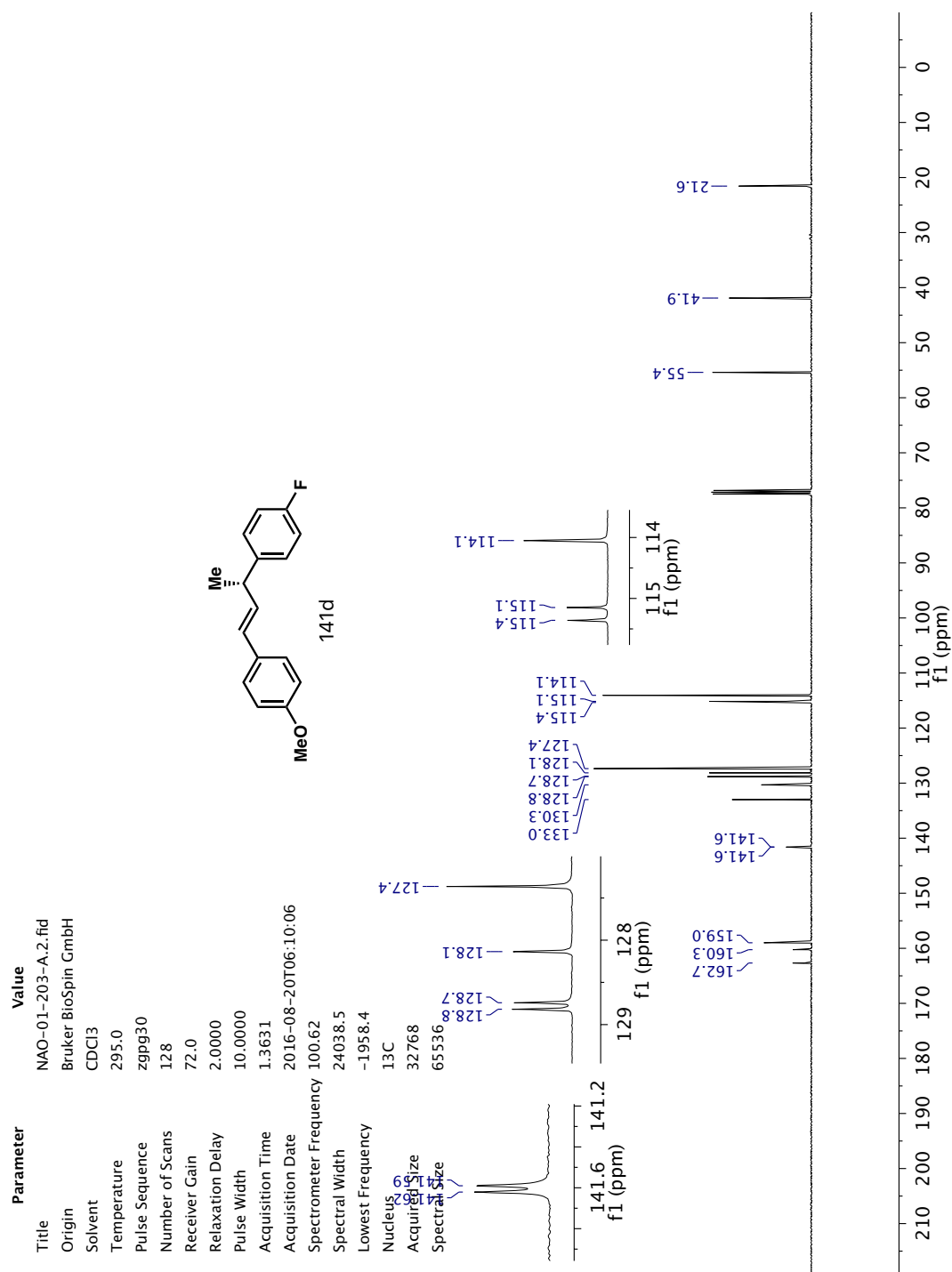


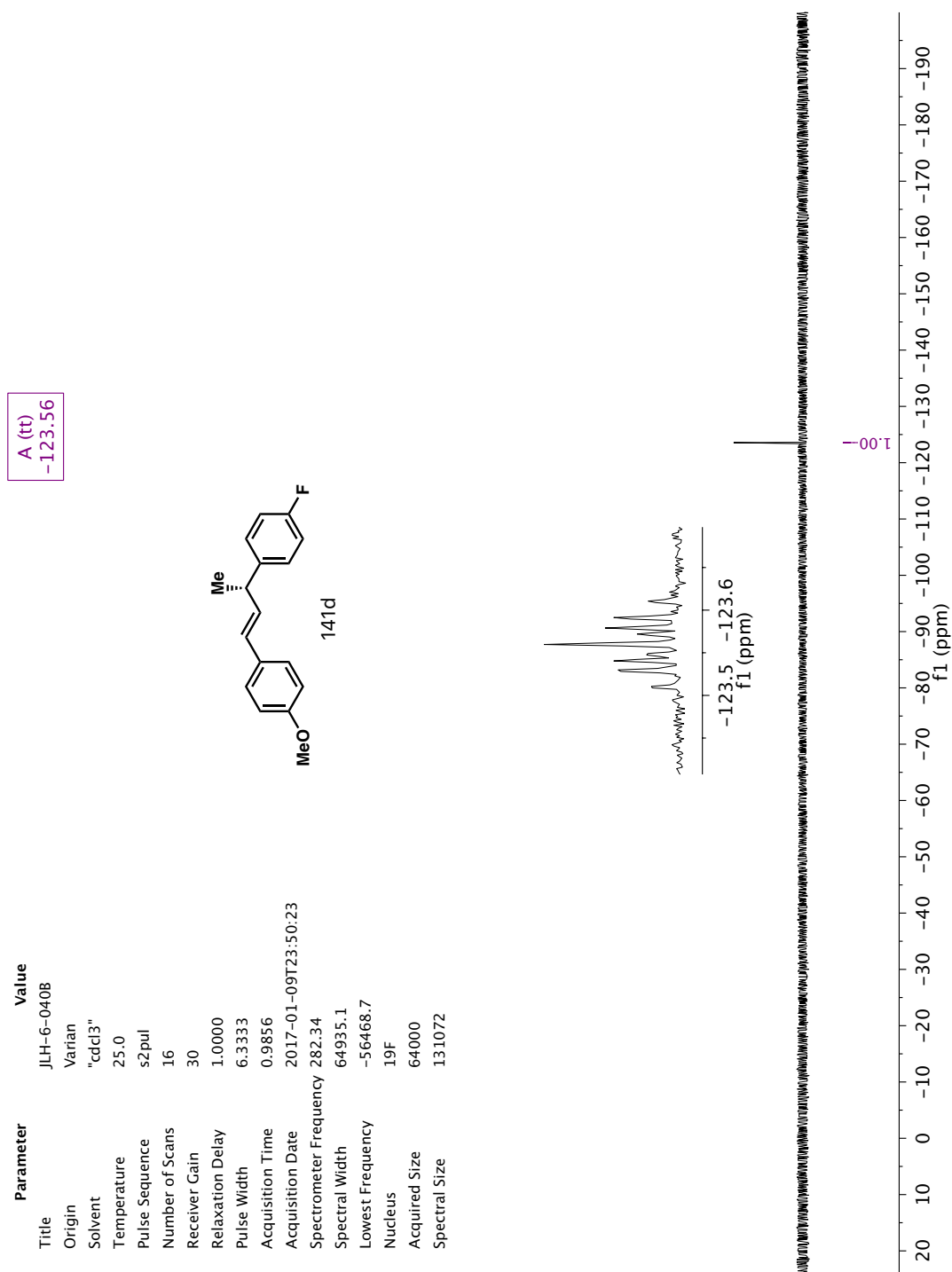


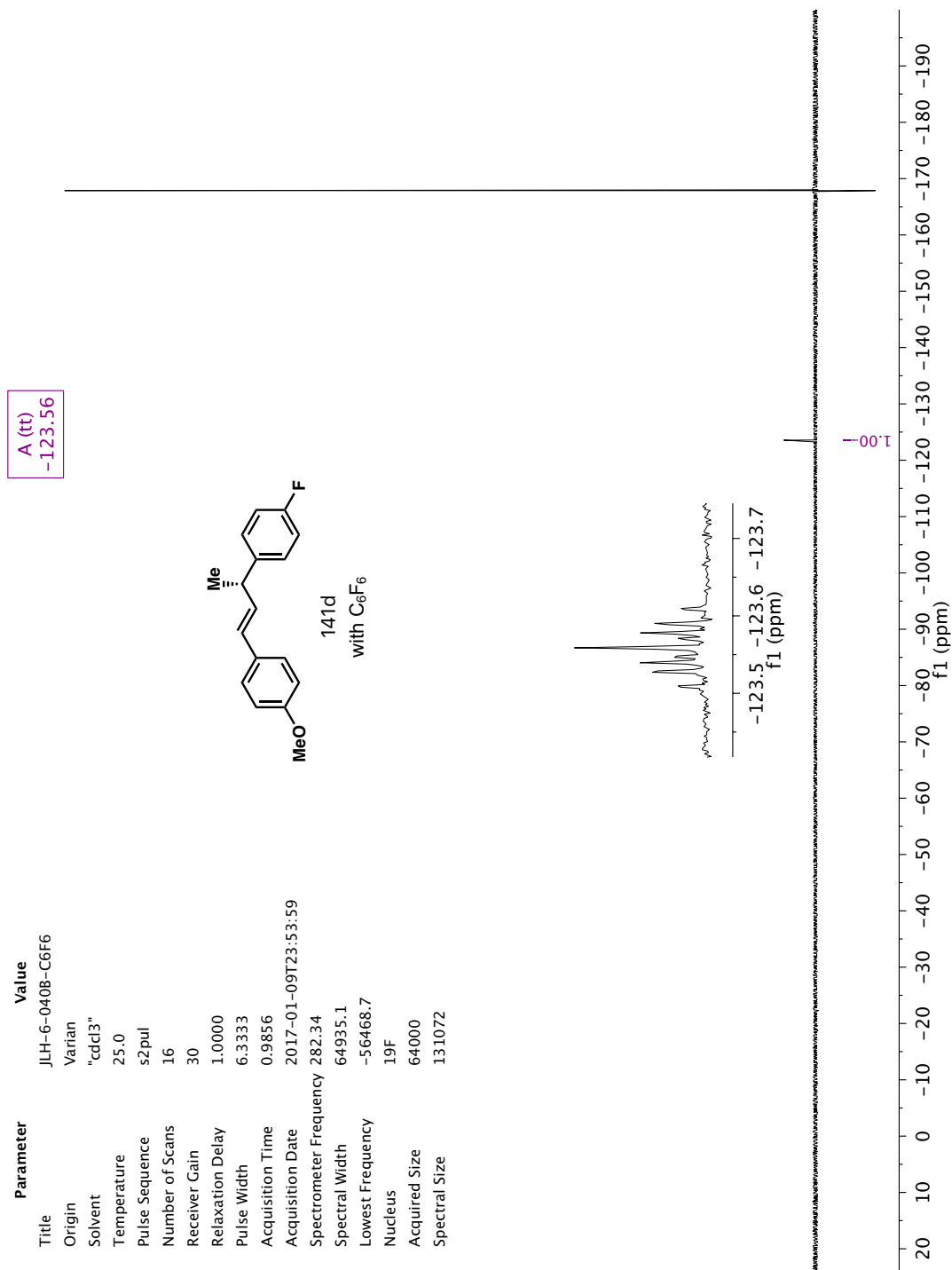


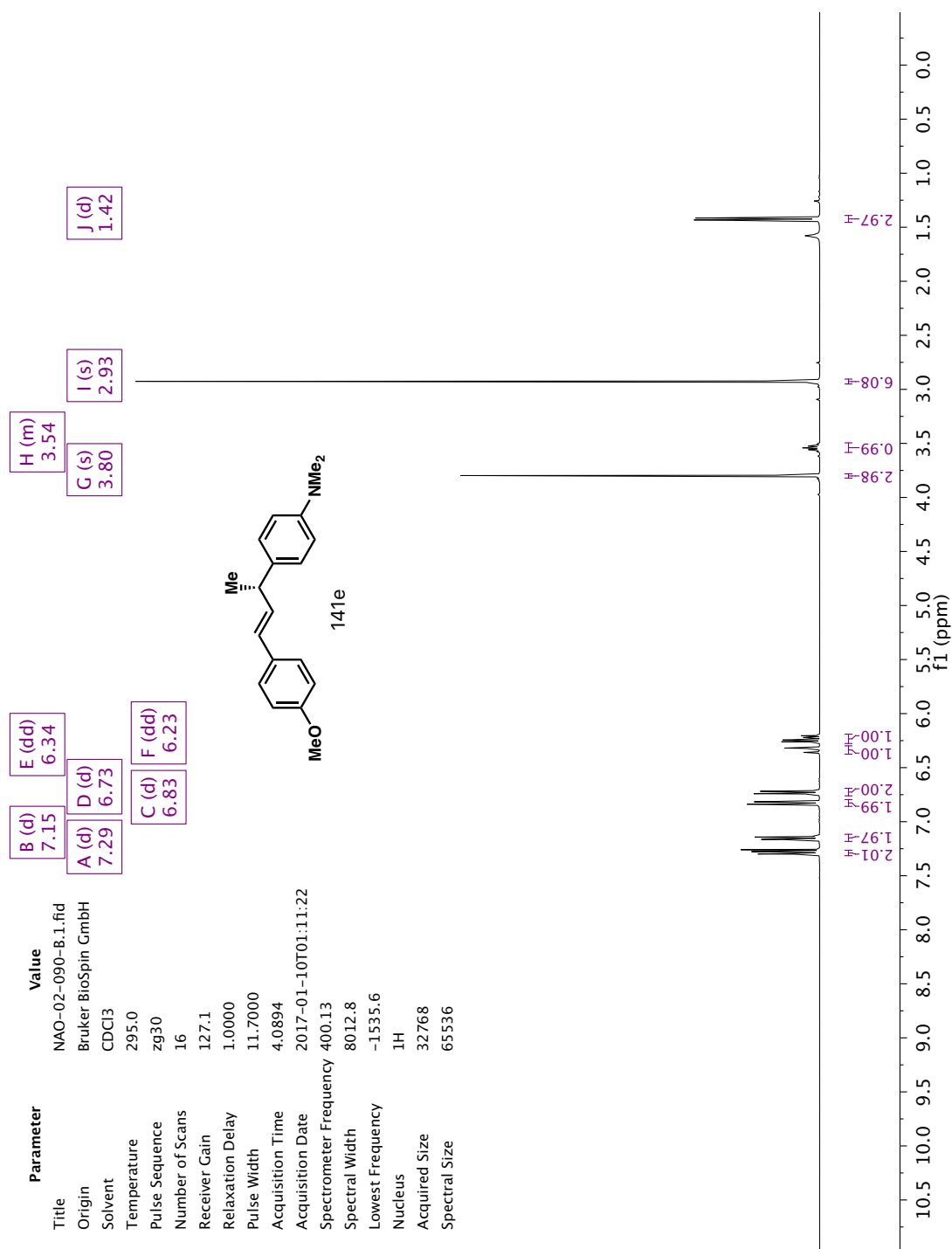




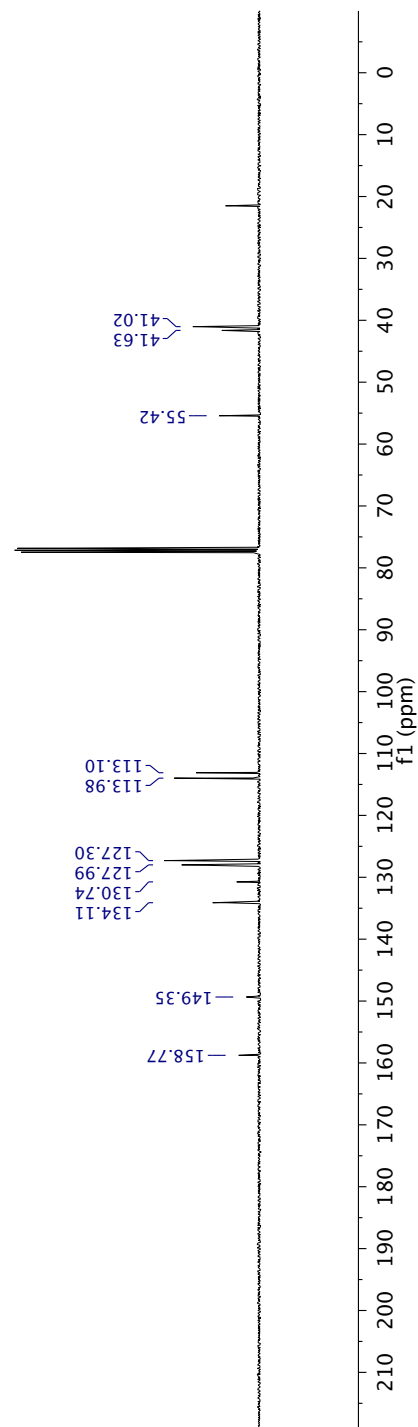
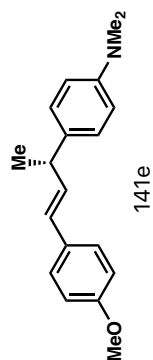


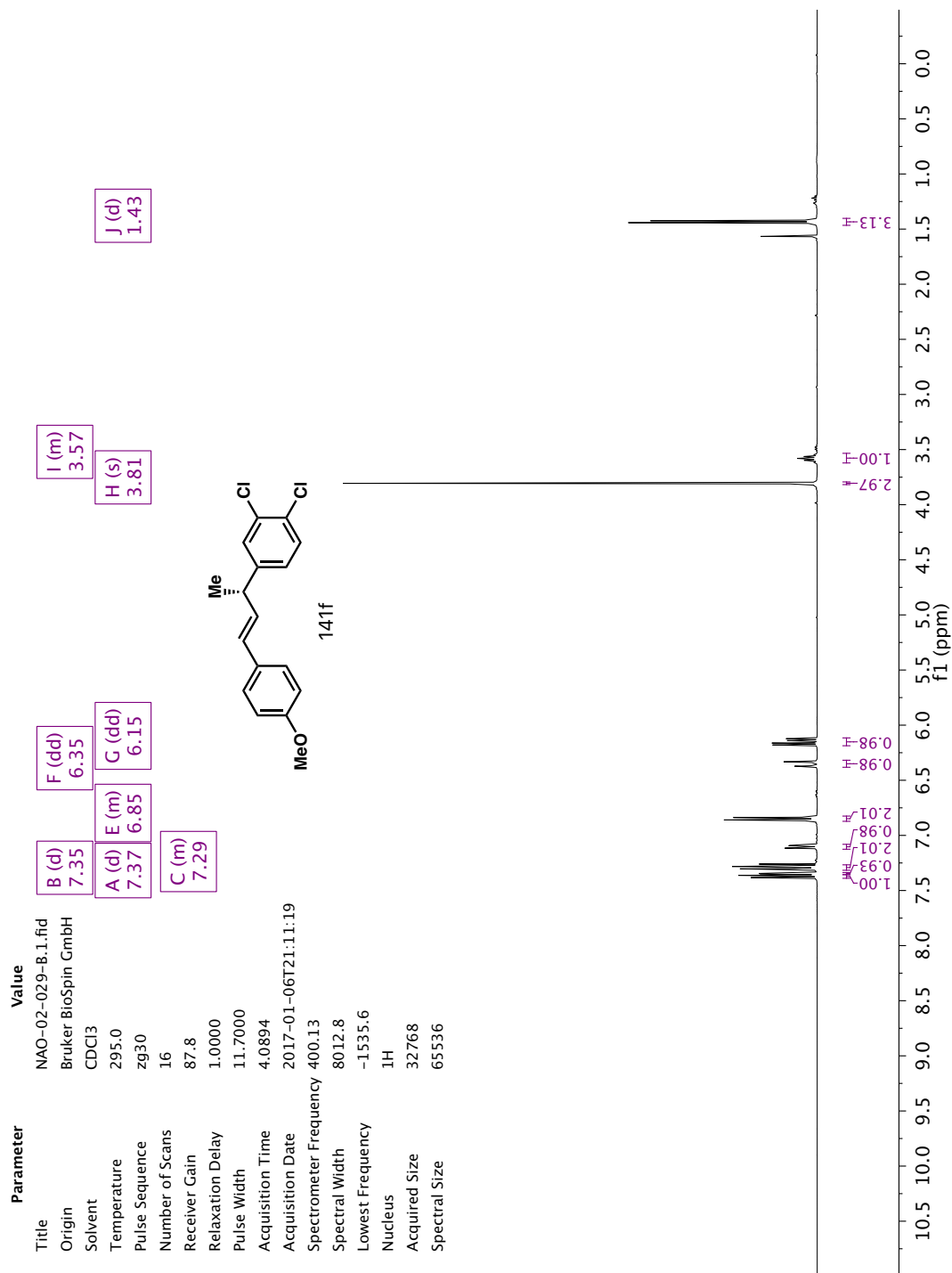




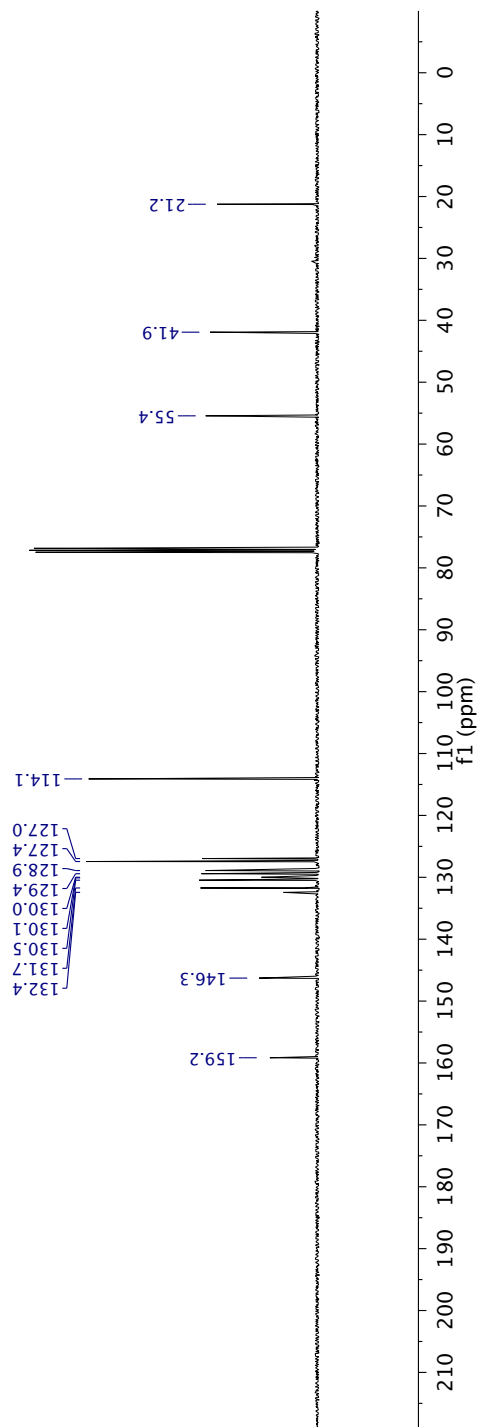
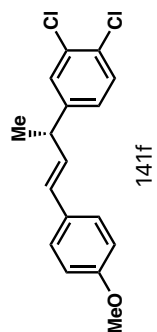


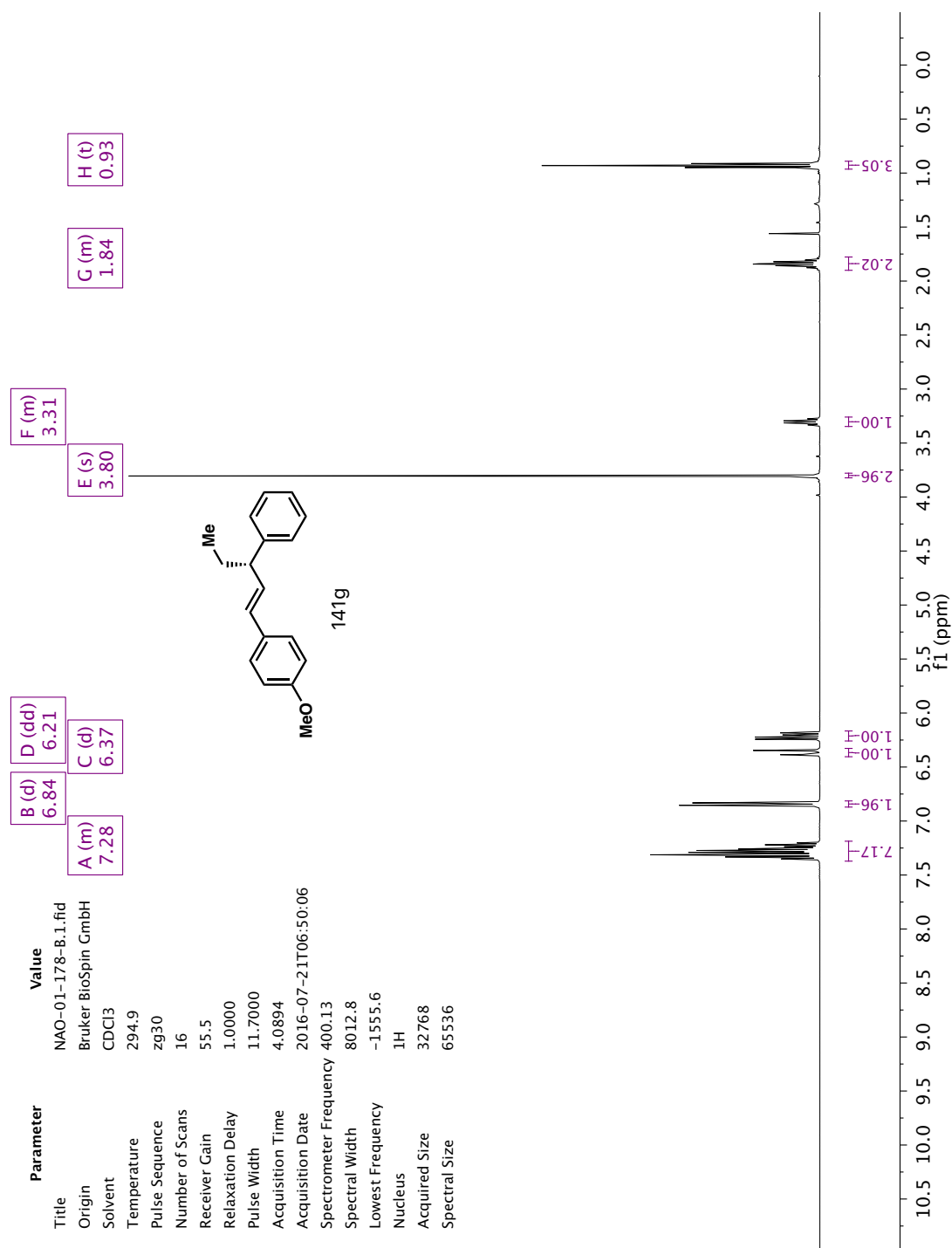
Parameter	Value
Title	NAO-02-090-B.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.0
Pulse Sequence	zgpg30
Number of Scans	124
Receiver Gain	87.8
Relaxation Delay	2.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2017-01-10T01:19:06
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1958.4
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

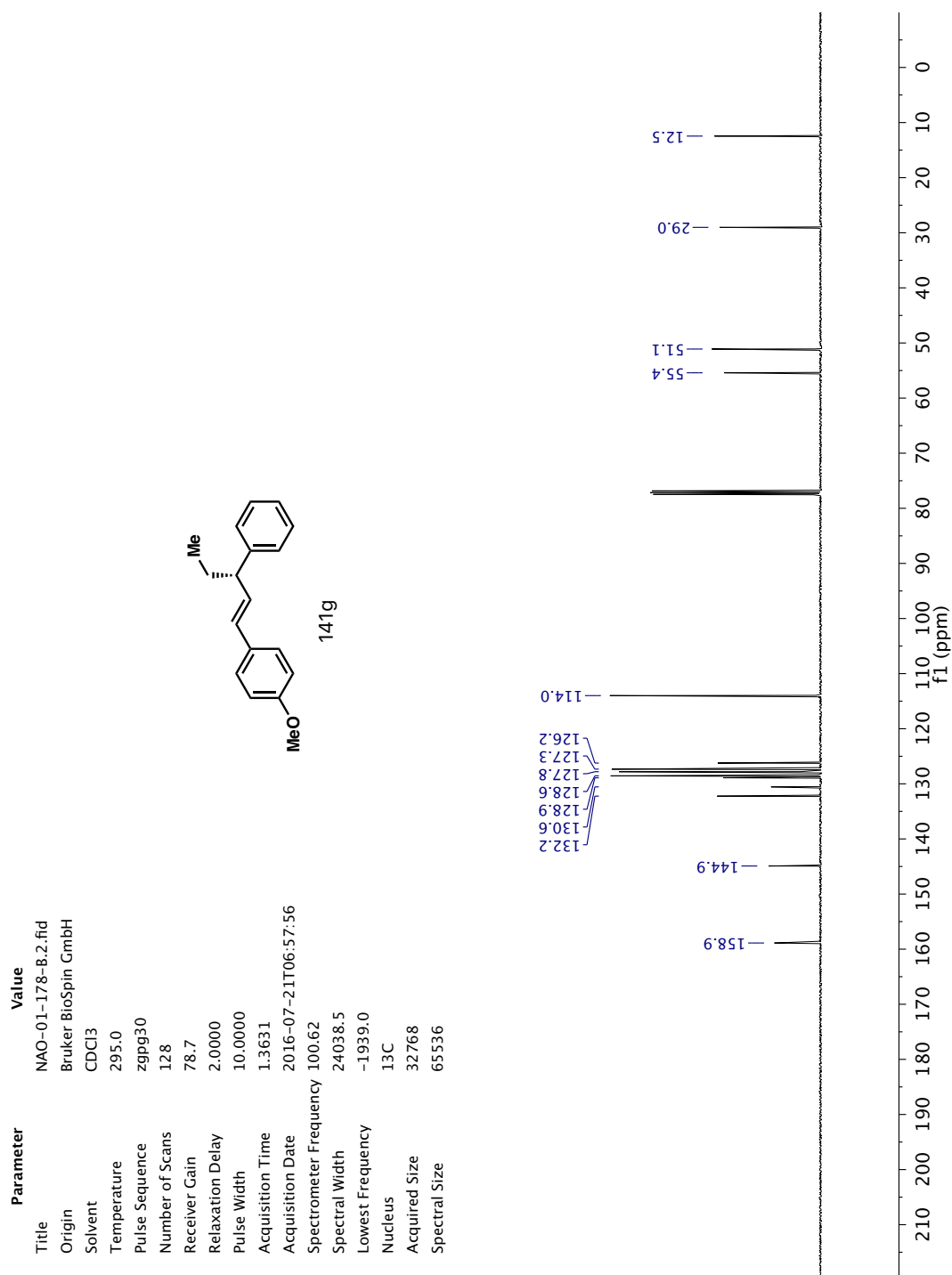


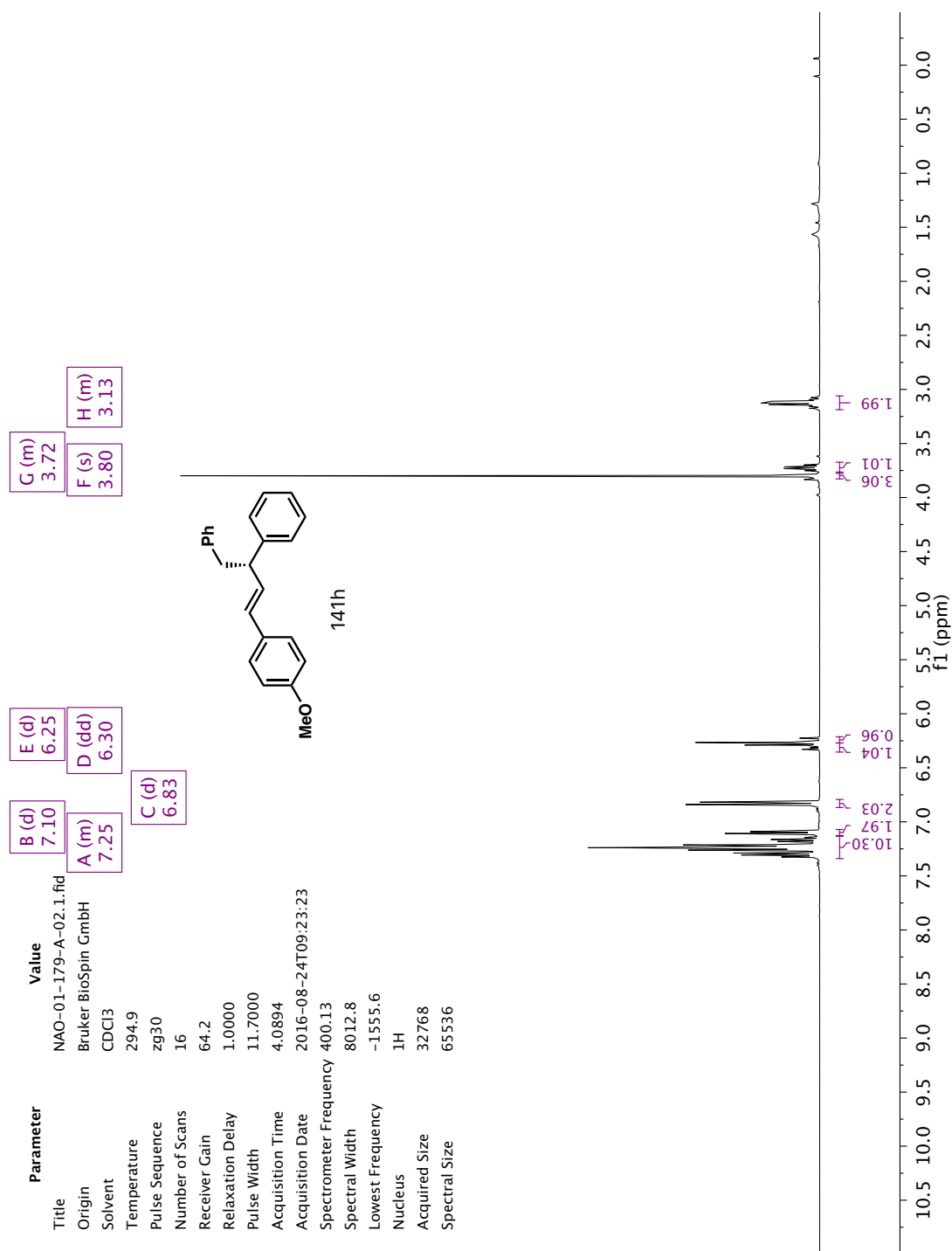


Parameter	Value
Title	NAO-02-029-8.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	294.9
Pulse Sequence	zgpg30
Number of Scans	128
Receiver Gain	55.5
Relaxation Delay	2.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2017-01-06T21:19:16
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1958.4
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536









Parameter	Value
Title	NAO-01-179-A-02.2.fid
Origin	Bruker BioSpin GmbH
Solvent	CDCl ₃
Temperature	295.0
Pulse Sequence	zgpg30
Number of Scans	128
Receiver Gain	78.7
Relaxation Delay	2.0000
Pulse Width	10.0000
Acquisition Time	1.3631
Acquisition Date	2016-08-24T09:31:20
Spectrometer Frequency	100.62
Spectral Width	24038.5
Lowest Frequency	-1939.9
Nucleus	¹³ C
Acquired Size	32768
Spectral Size	65536

