

A Diels-Alder Based Total Synthesis of (–)-Kainic Acid

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SUPPORTING INFORMATION

¹H and ¹³C spectra

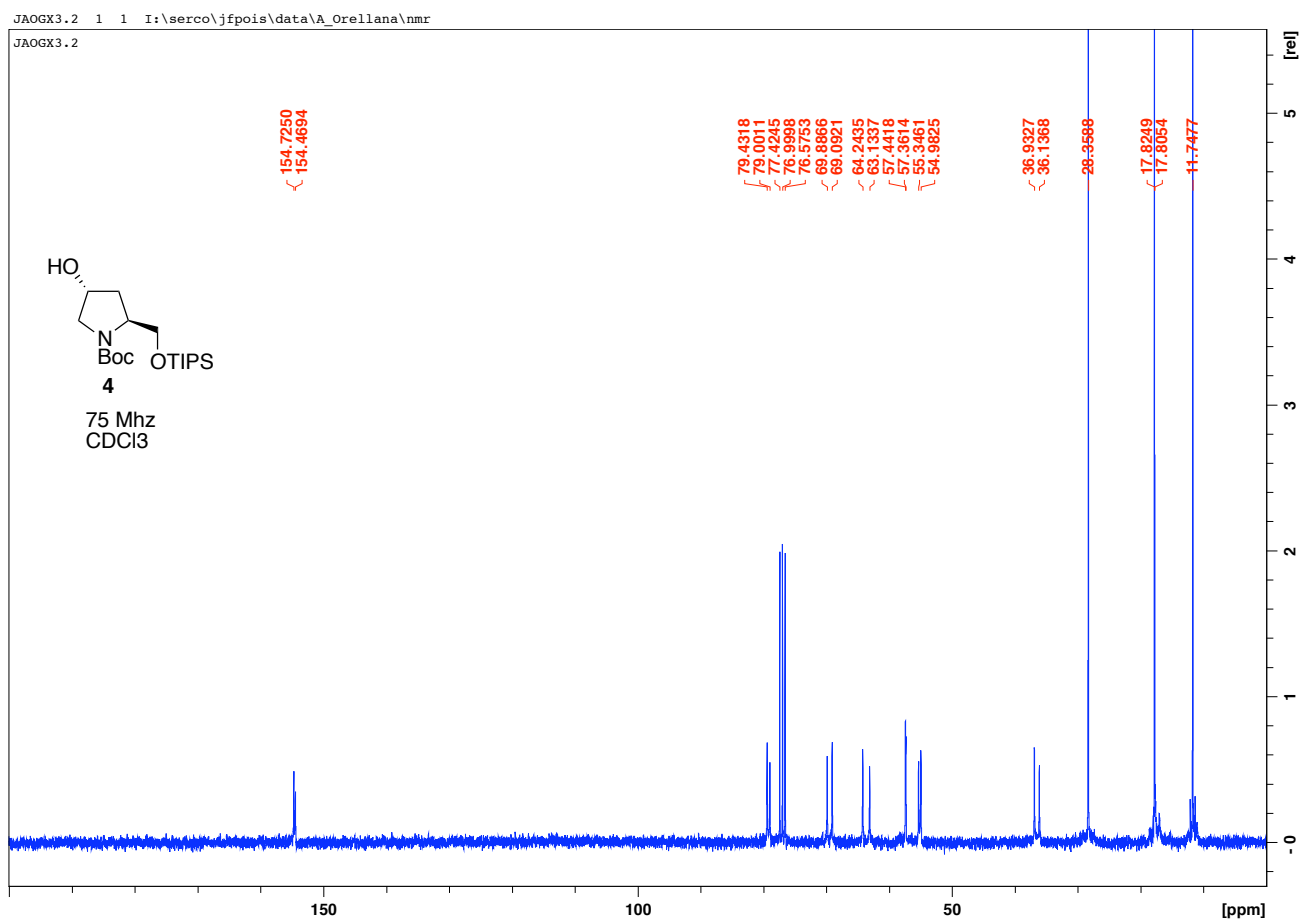
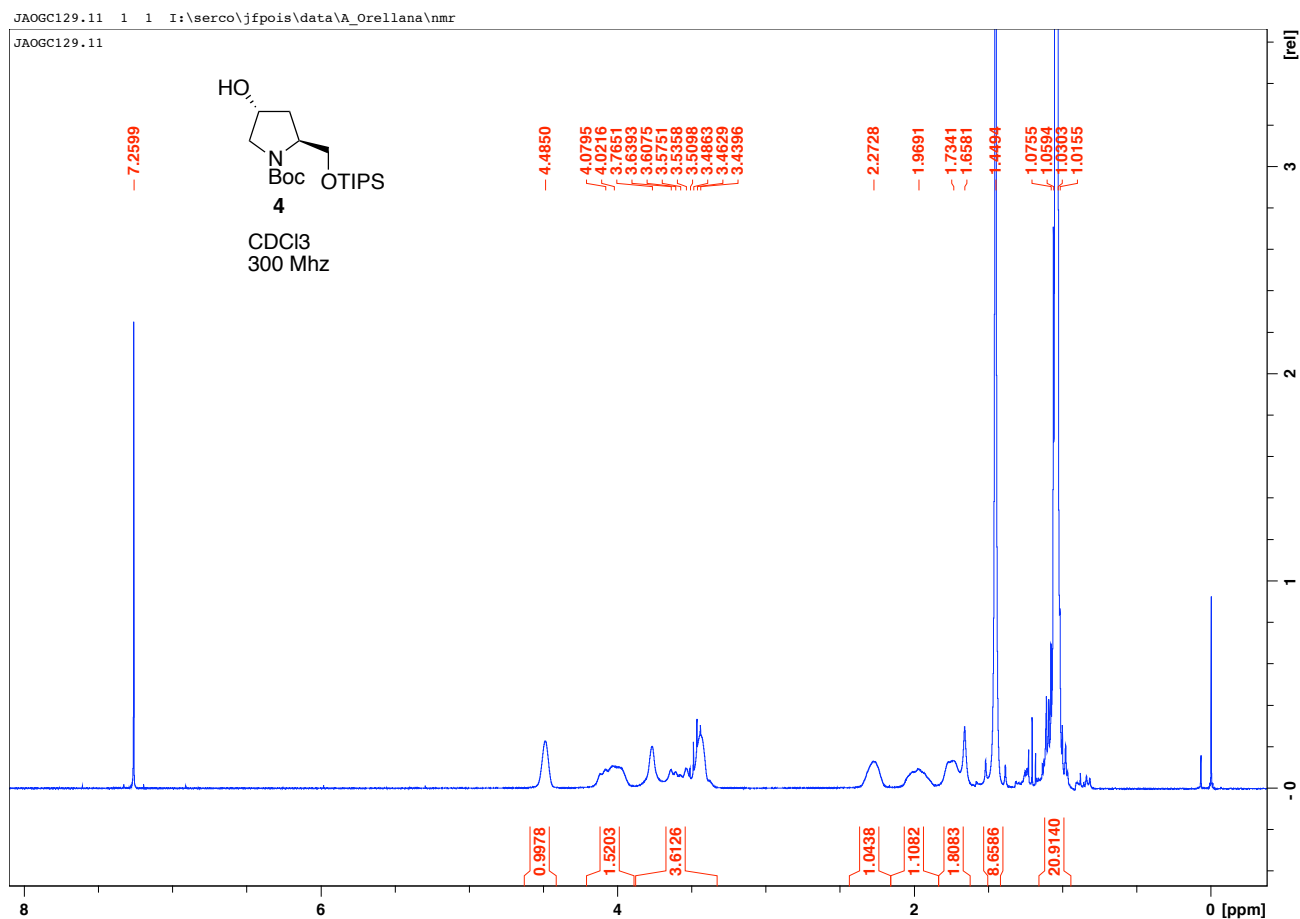
S2-S12 and S14-S25

Noe experiments on ester 16

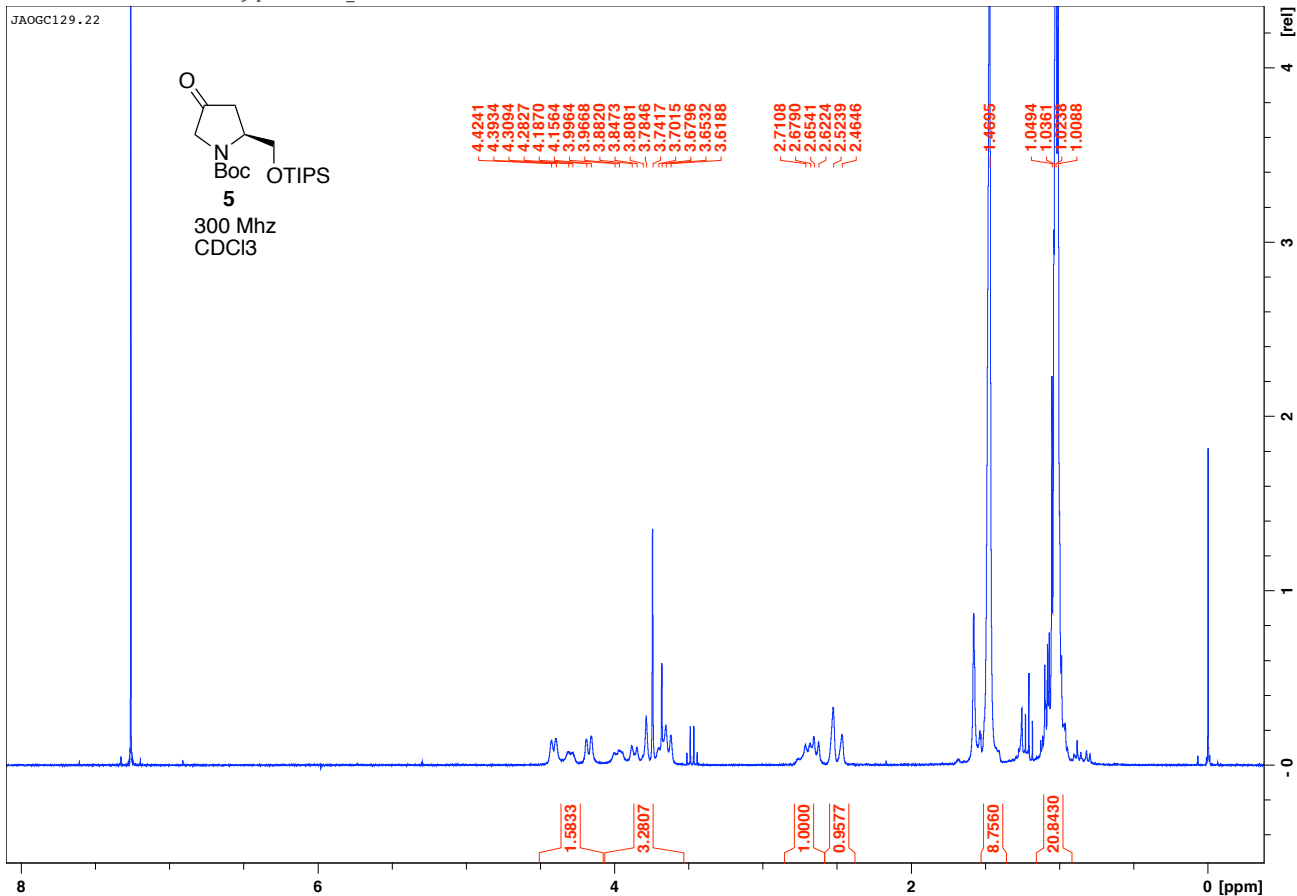
S13

HPLC results

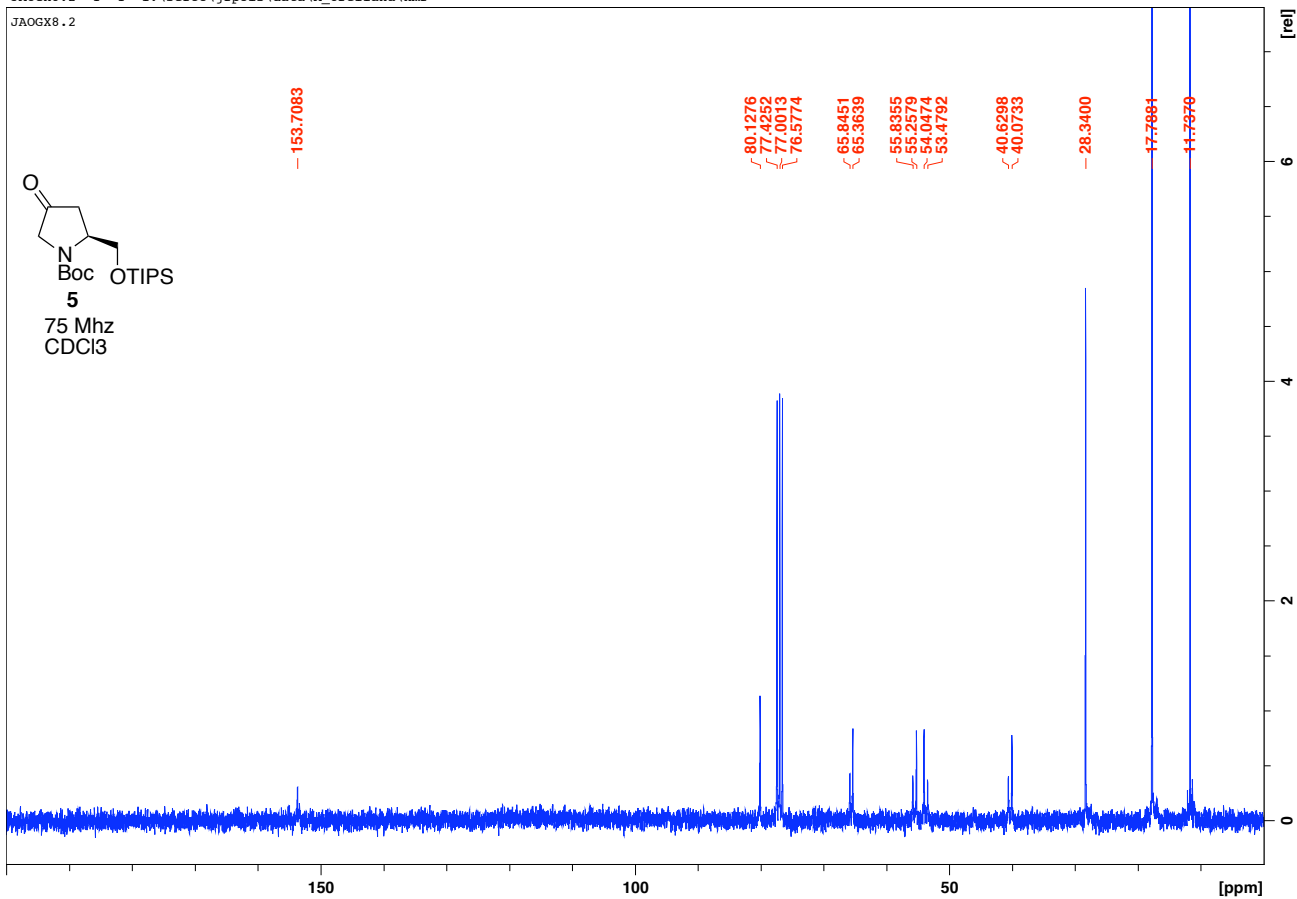
S26-S30

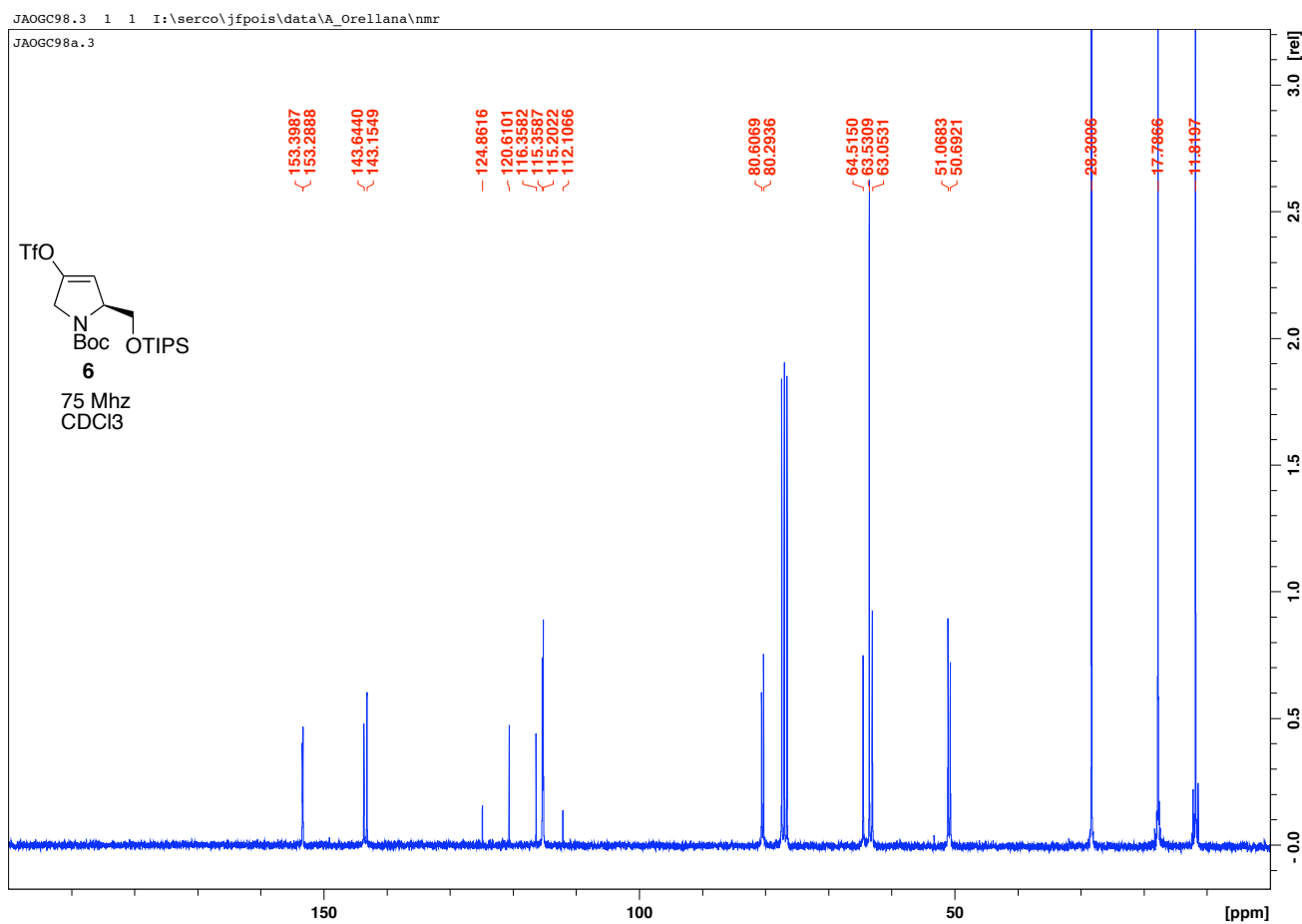
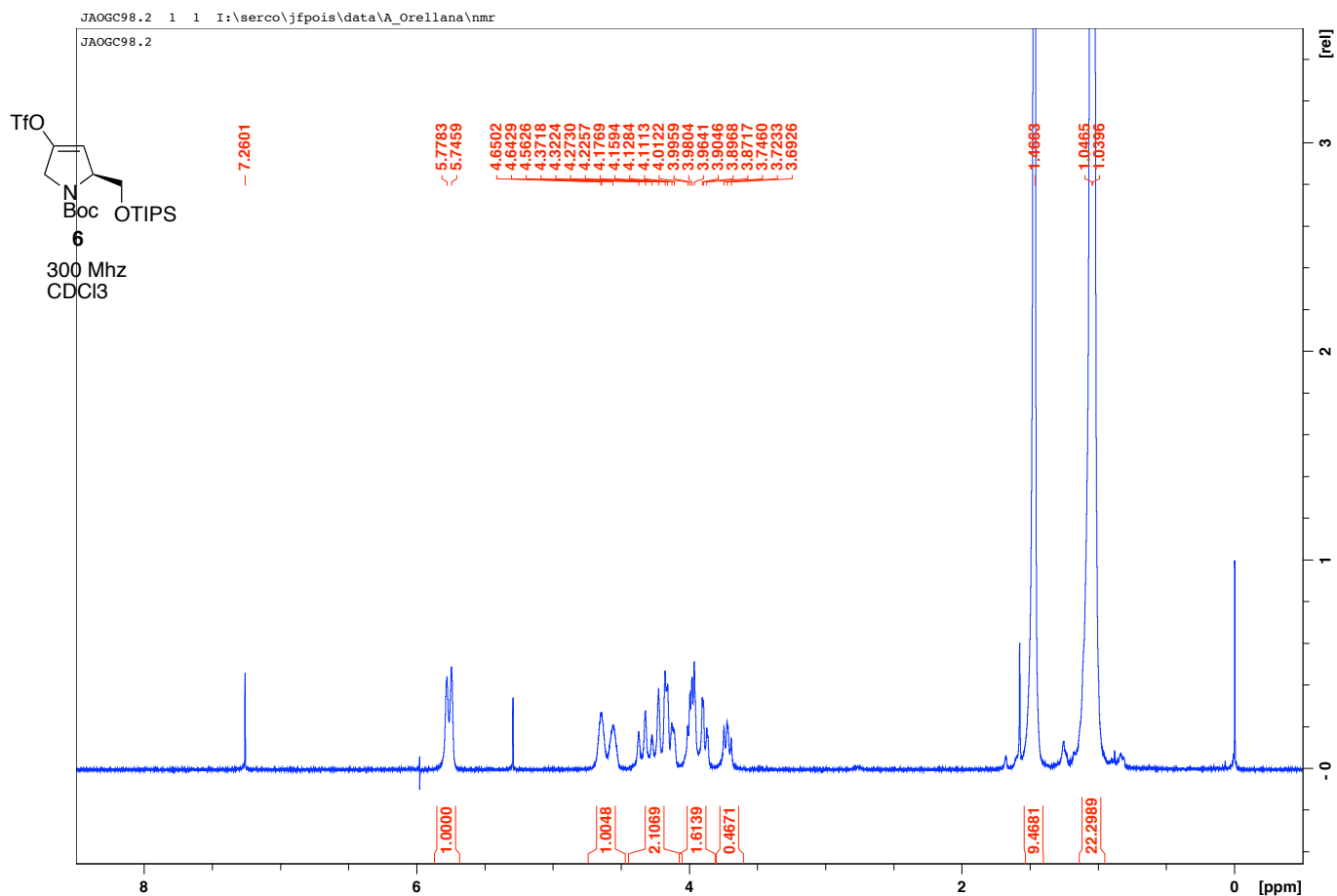


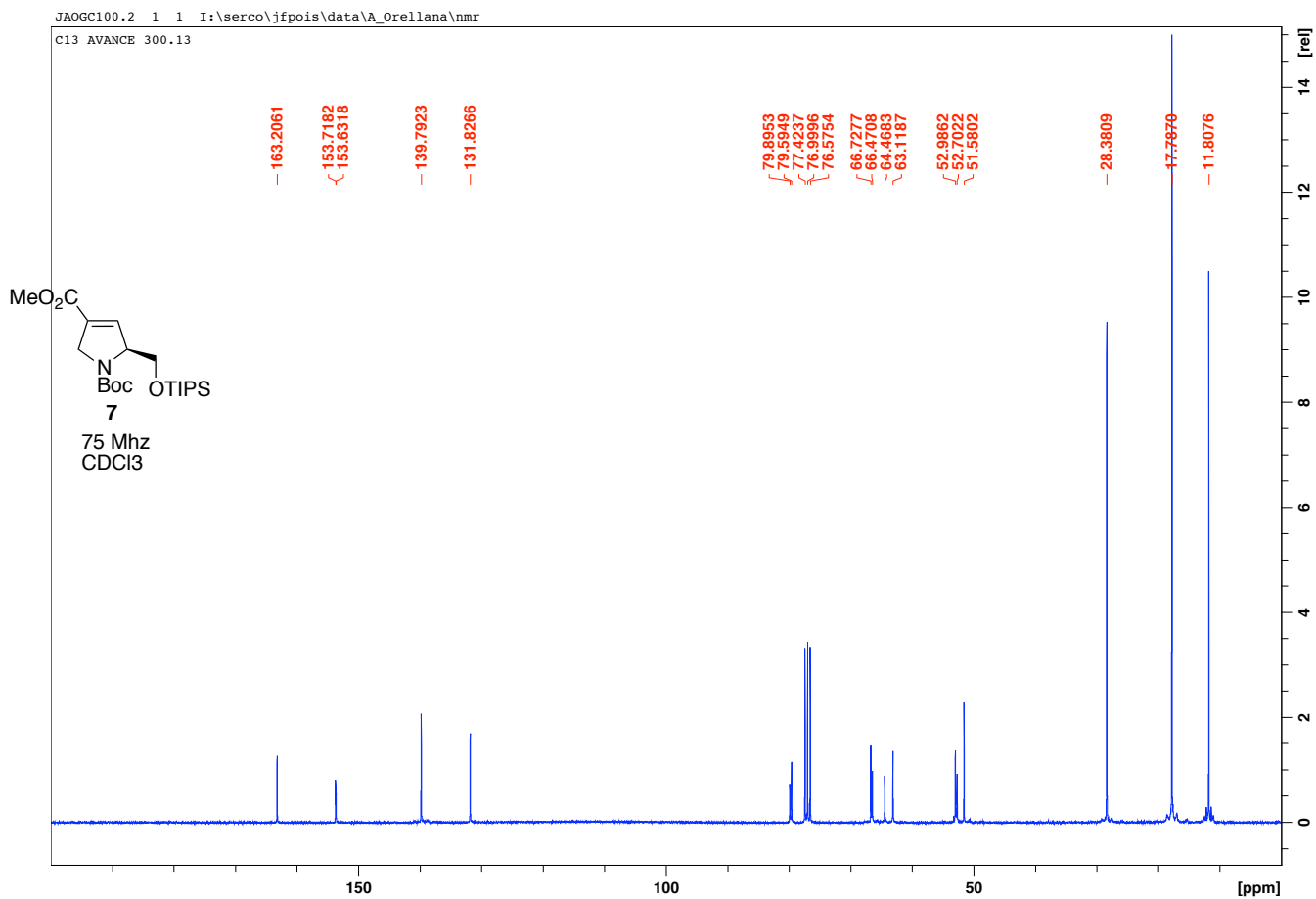
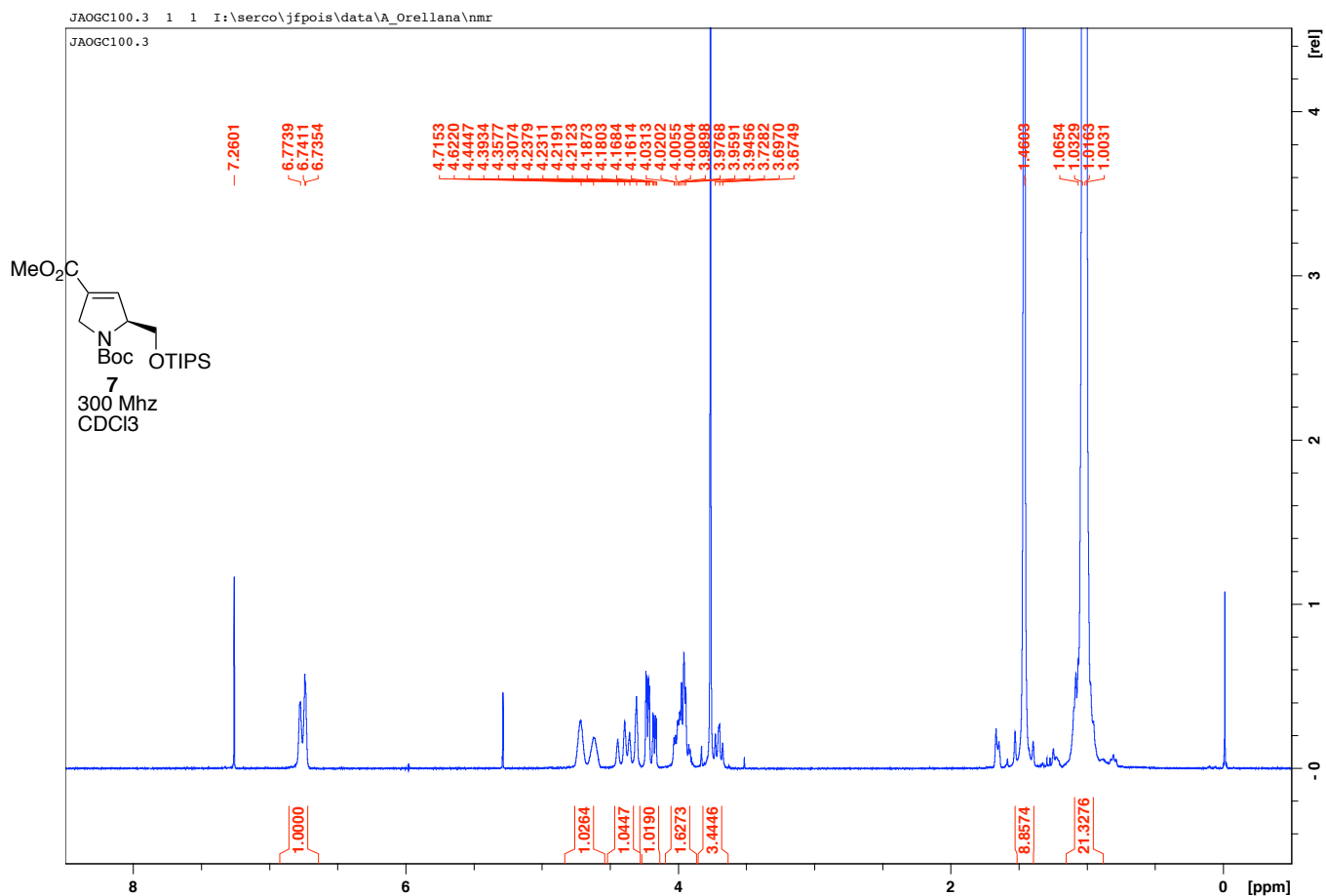
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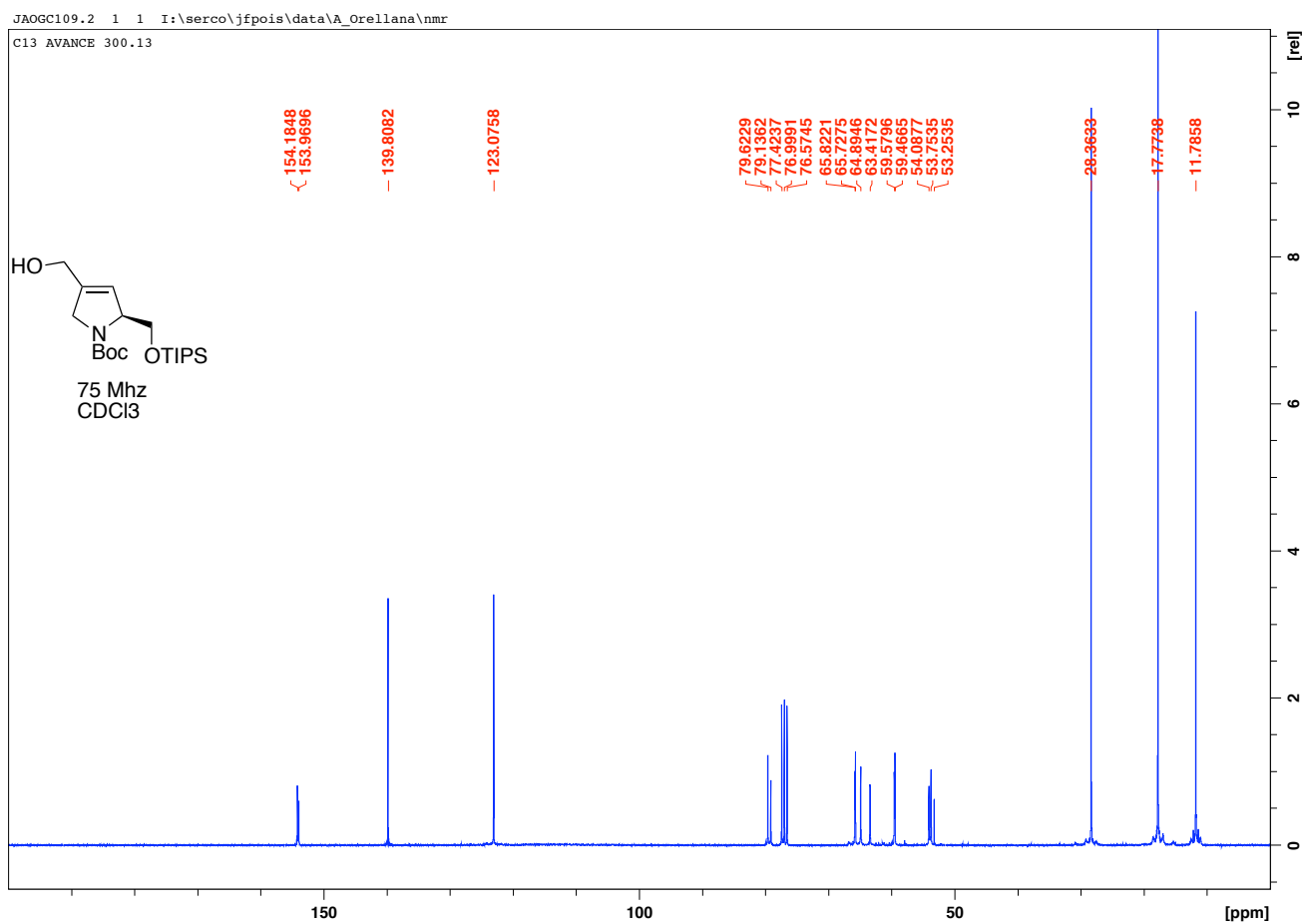
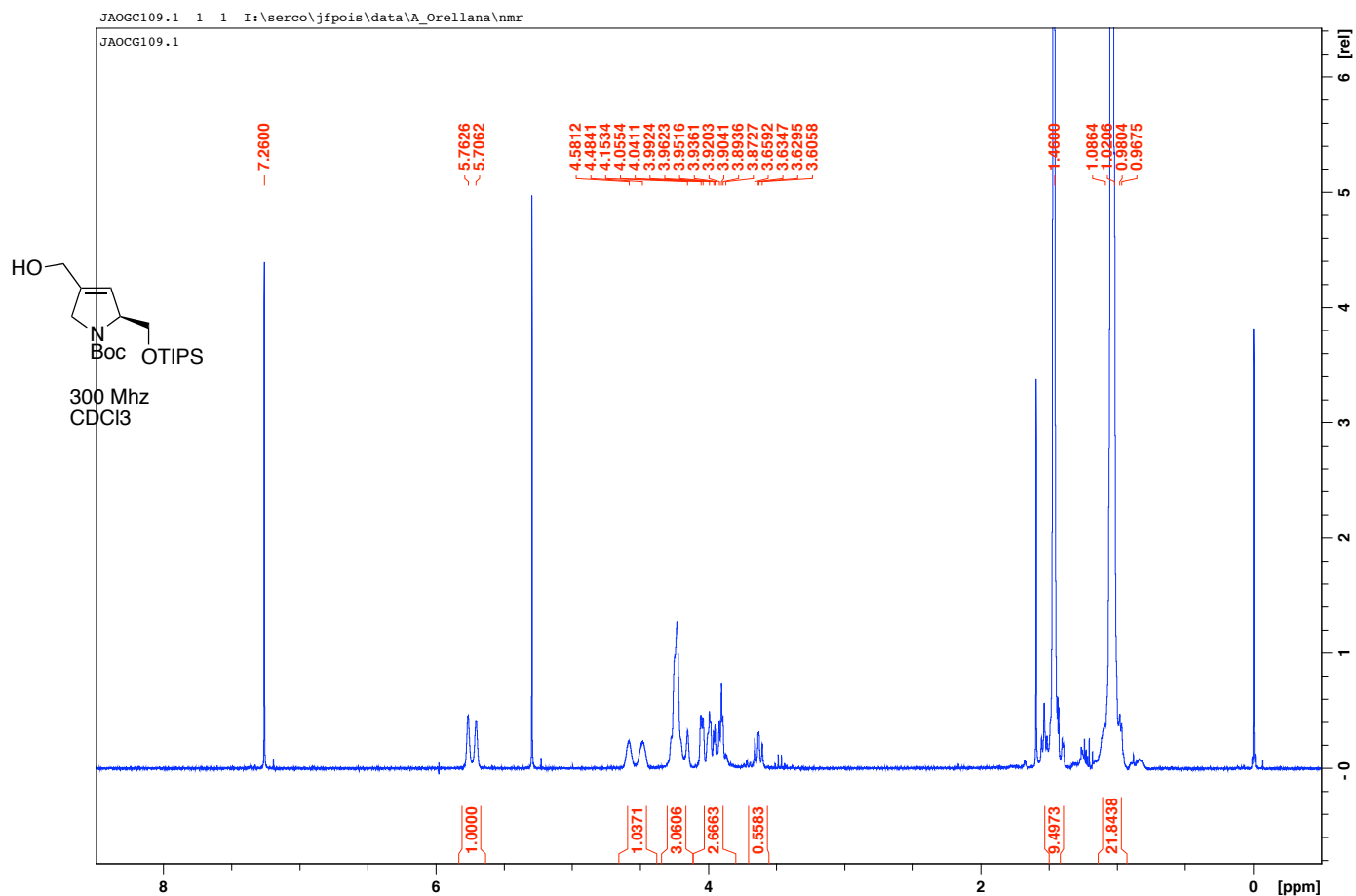


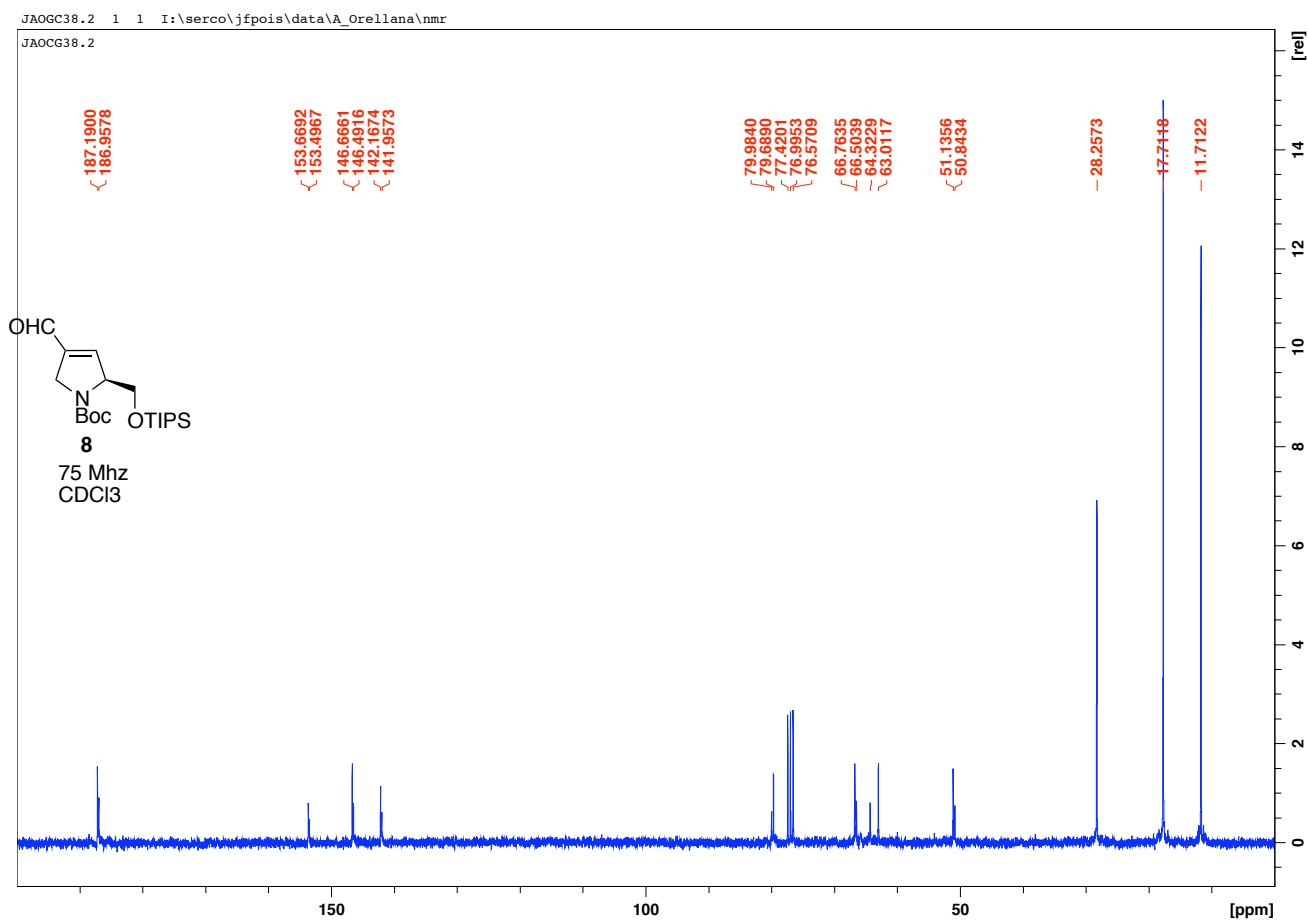
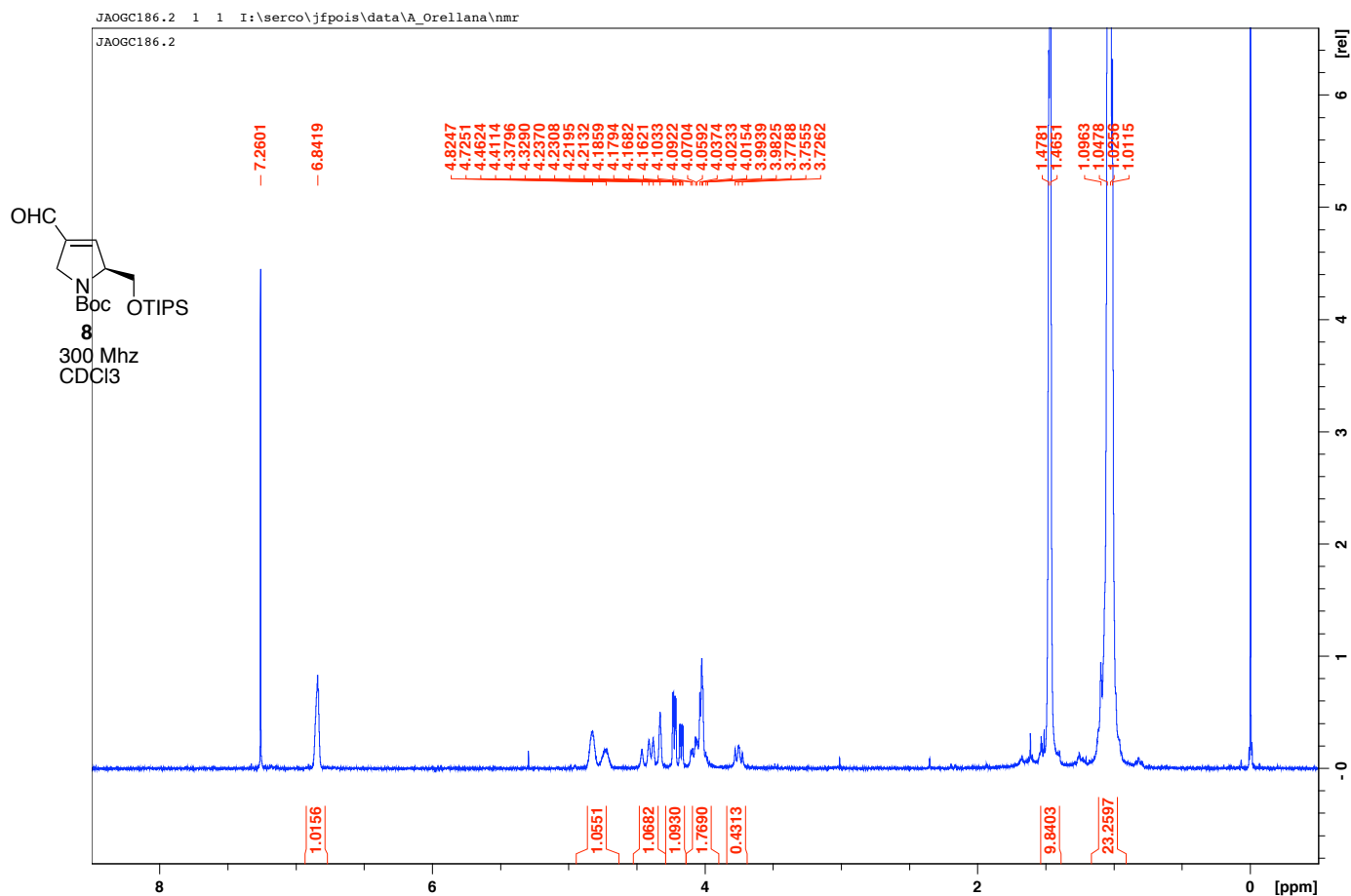
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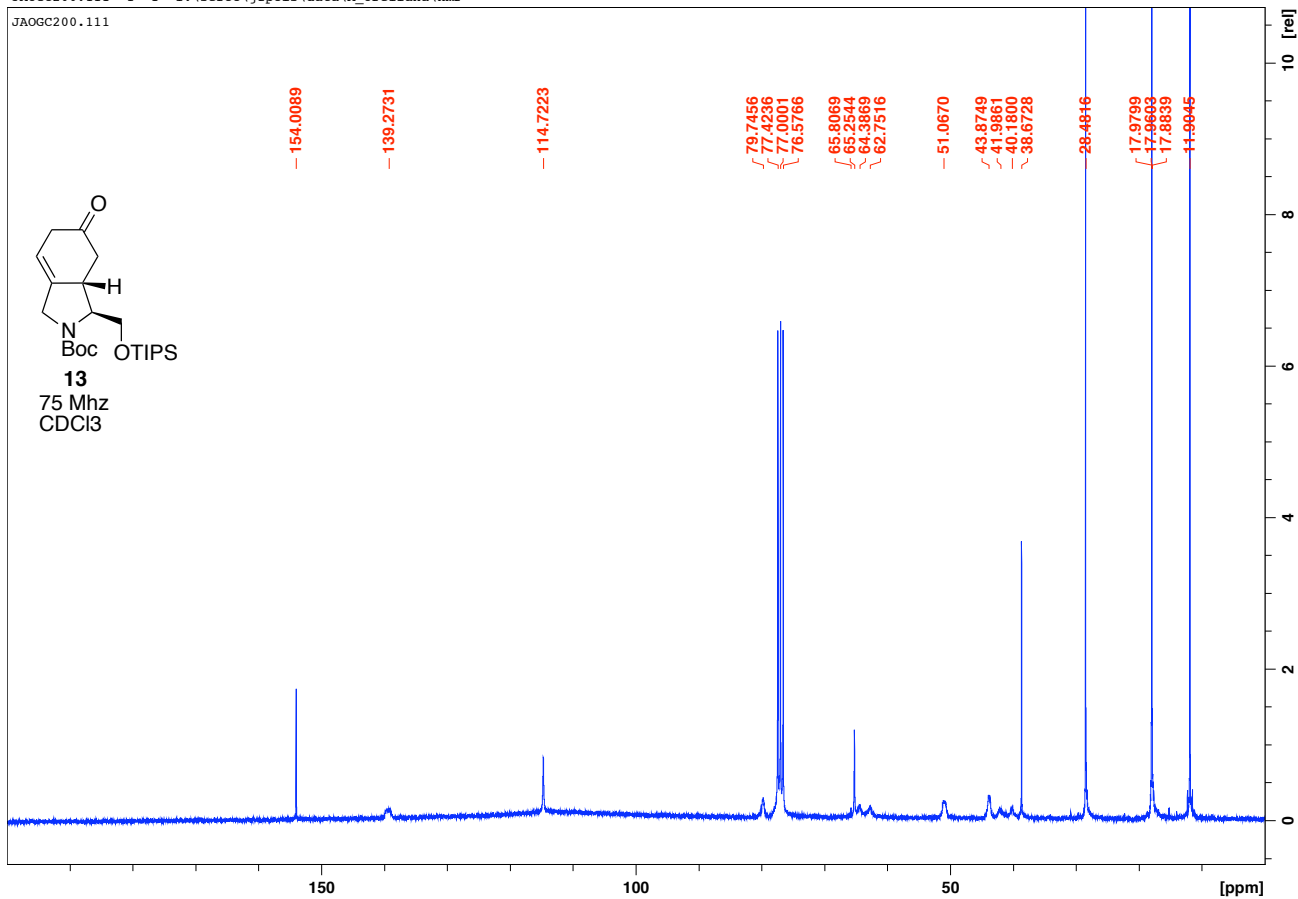
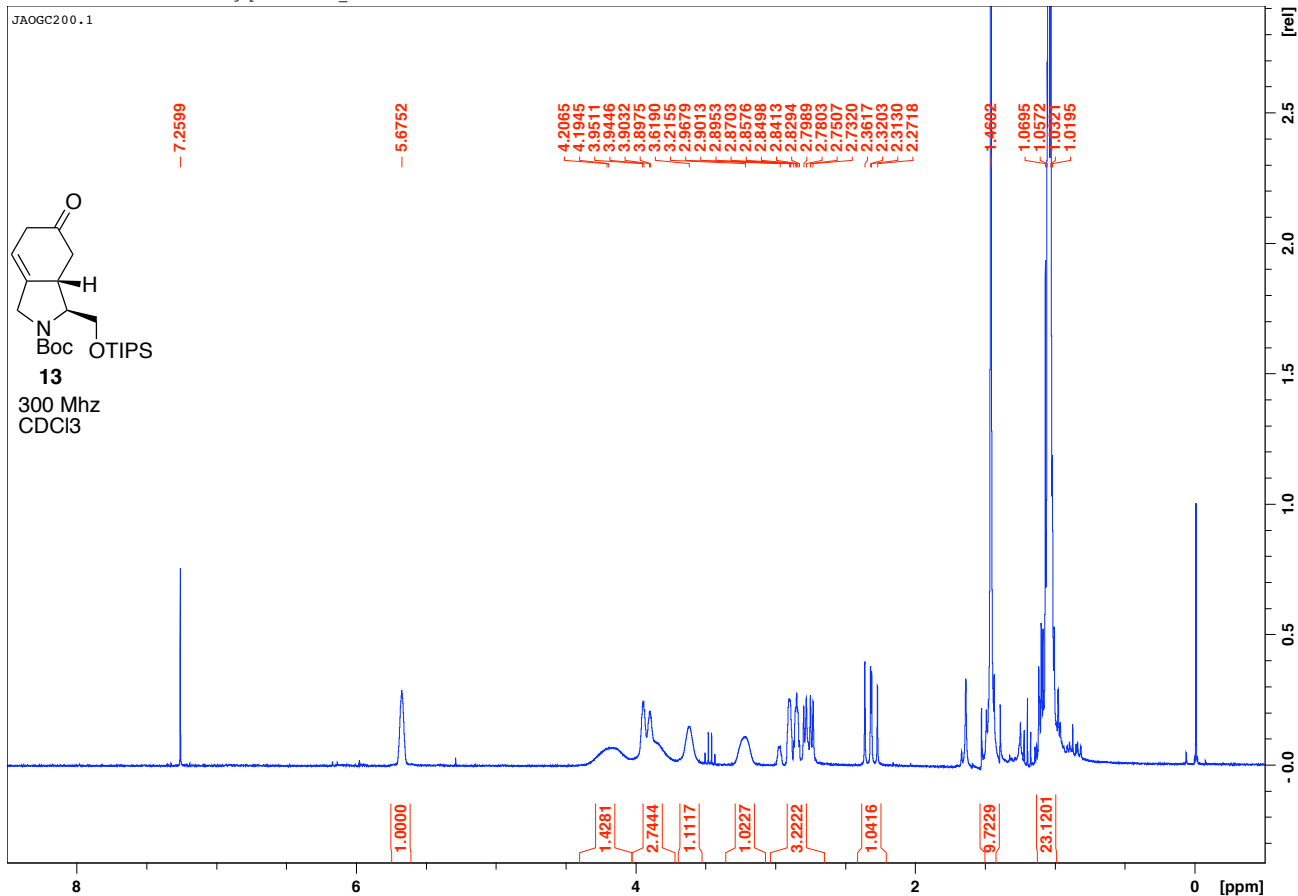


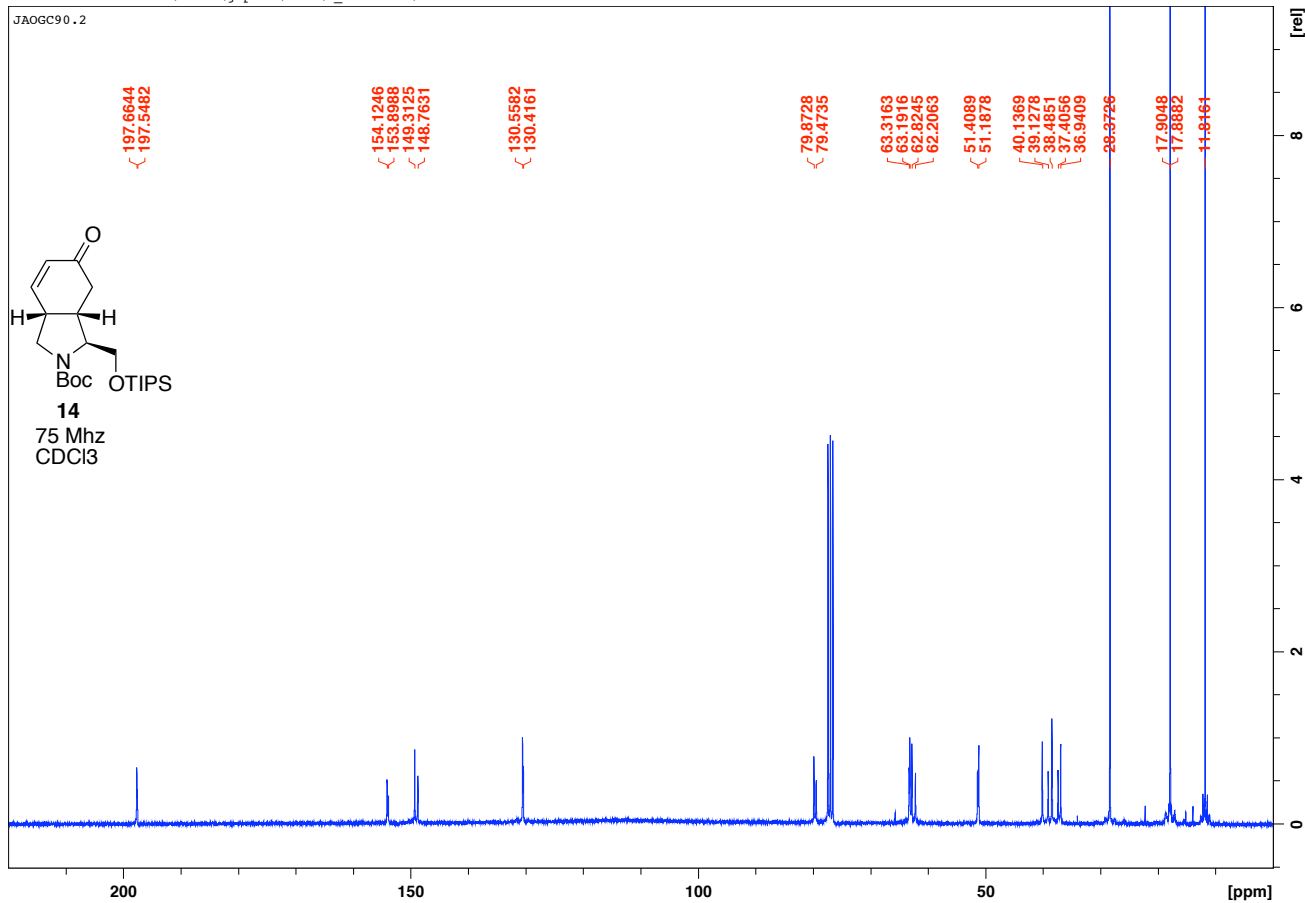
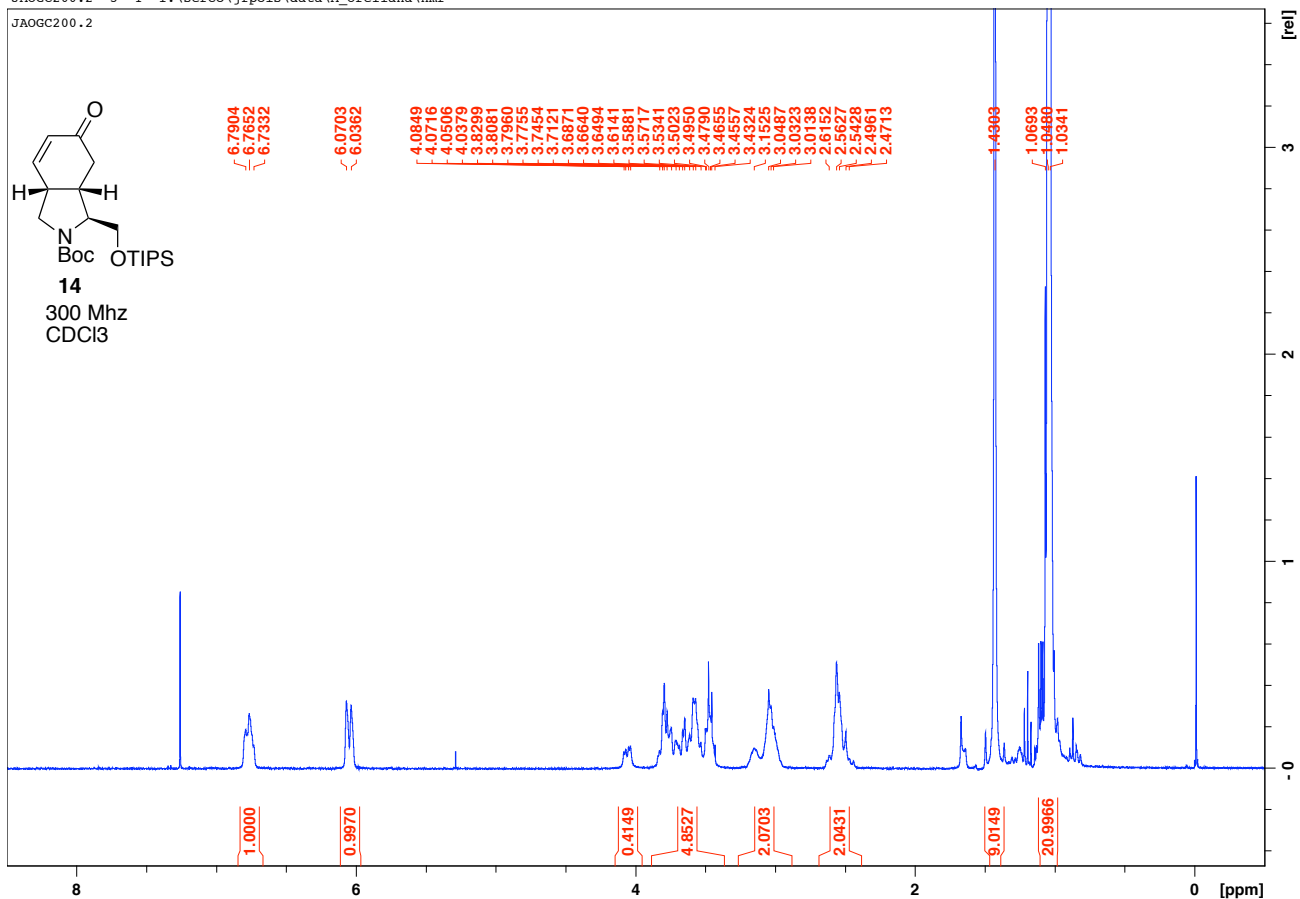


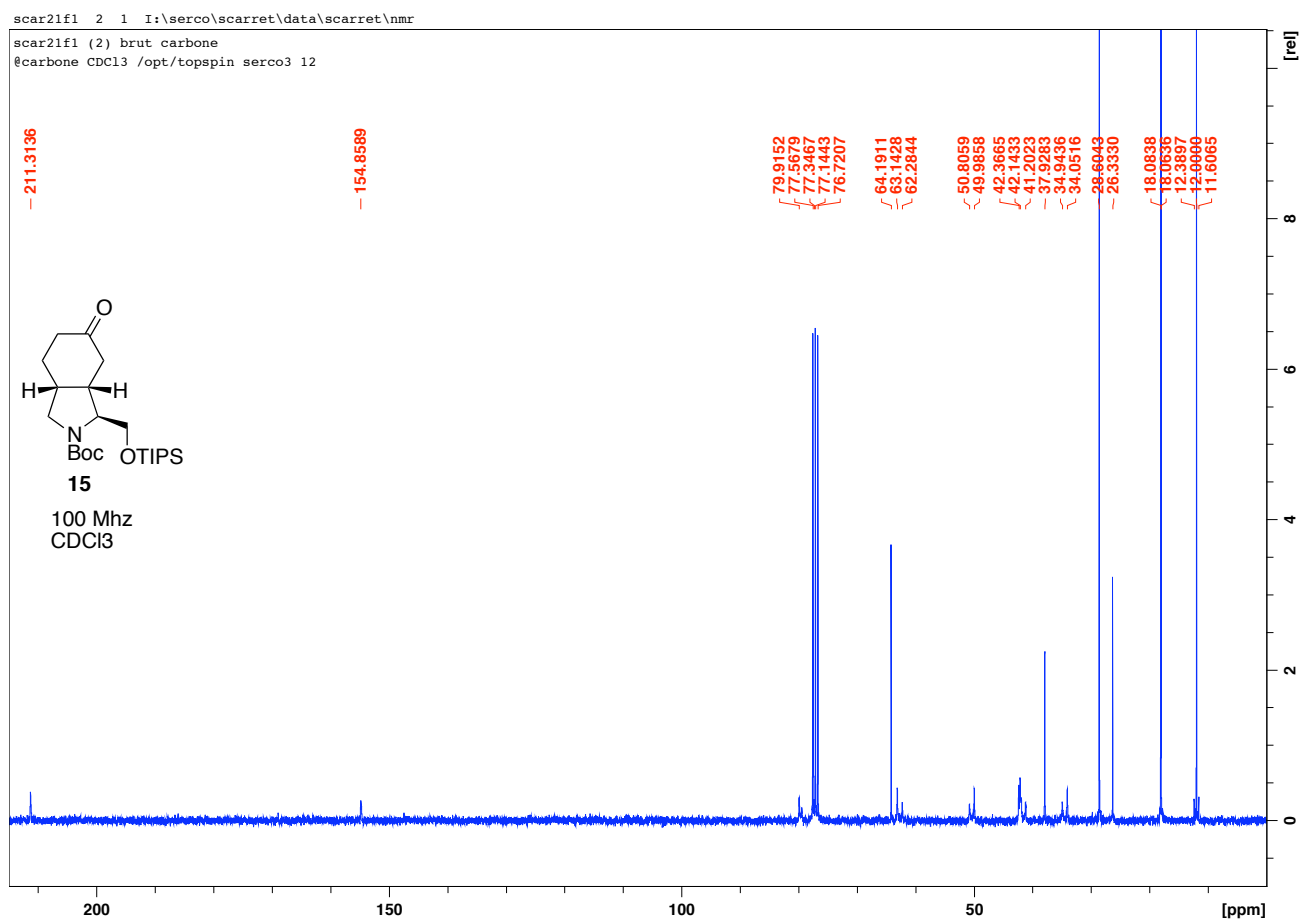
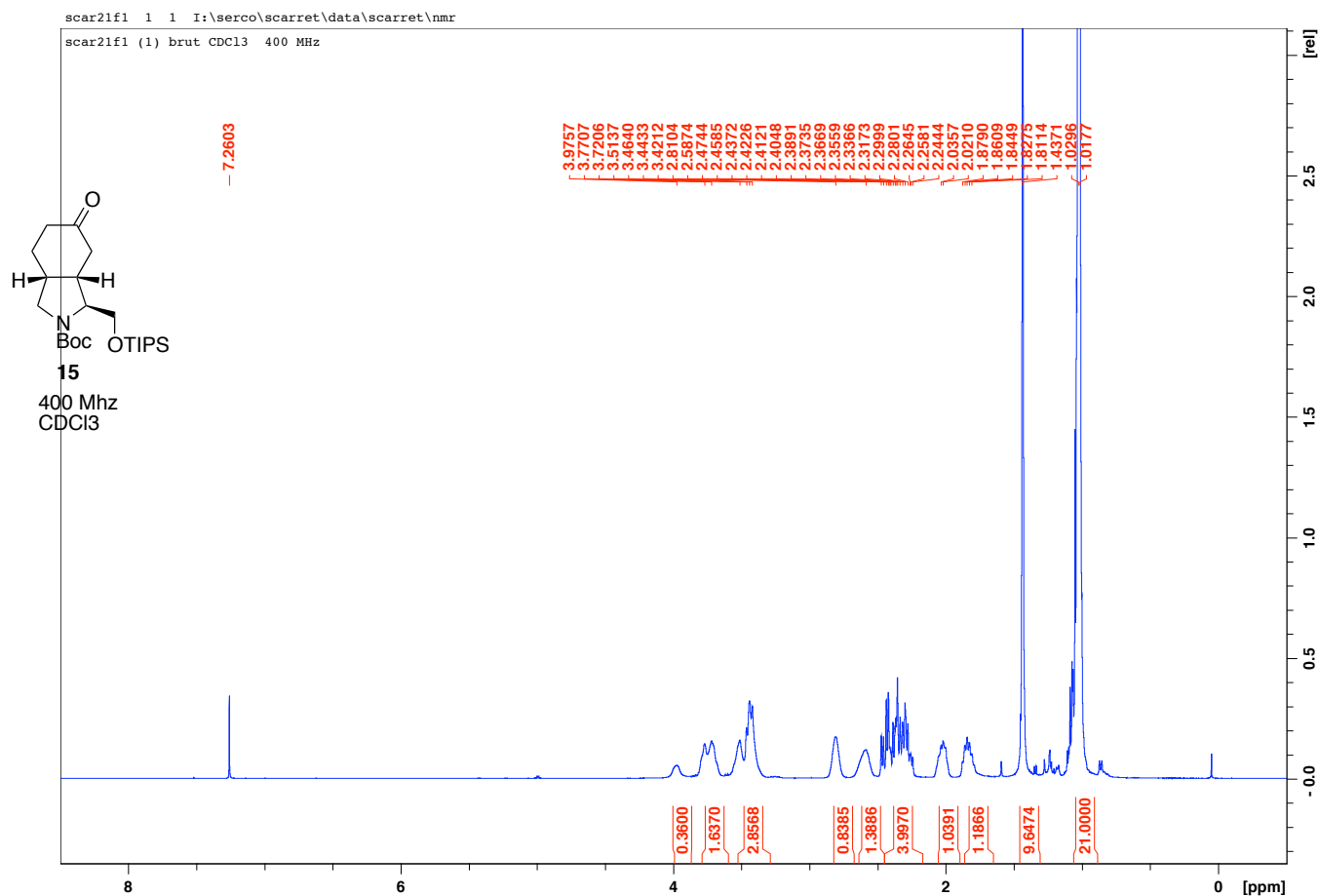






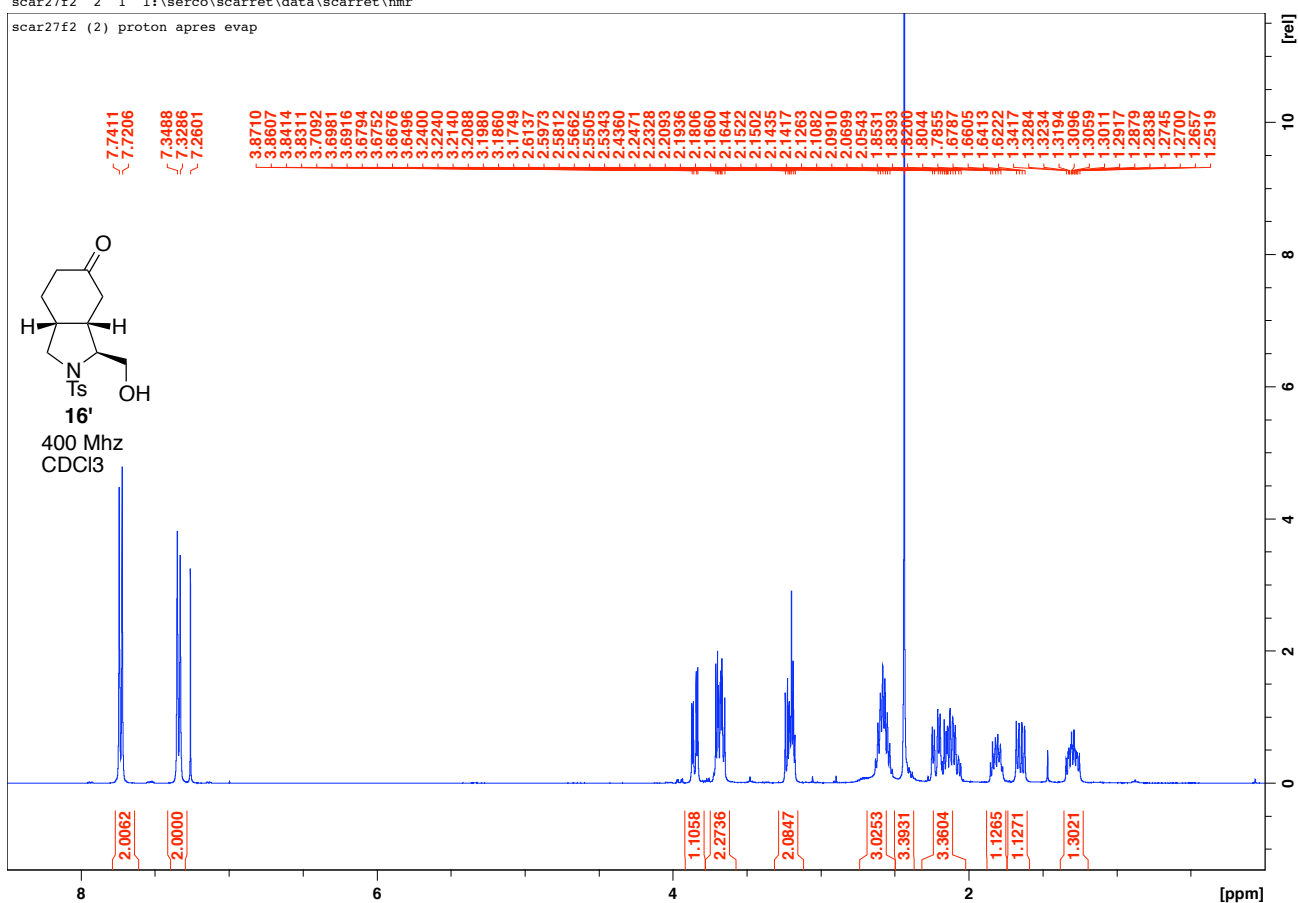






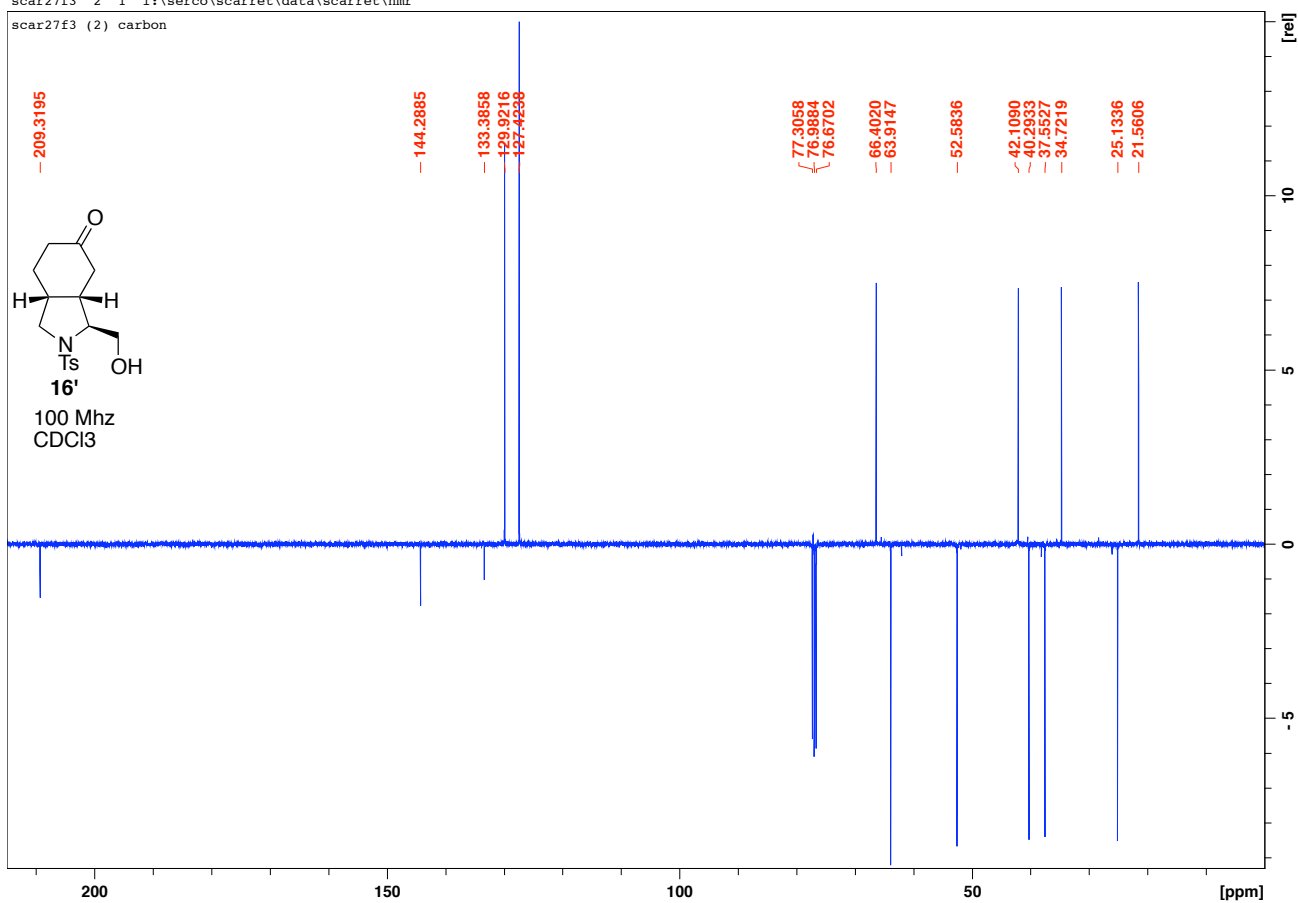
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scar27f2 (2) proton apres evap

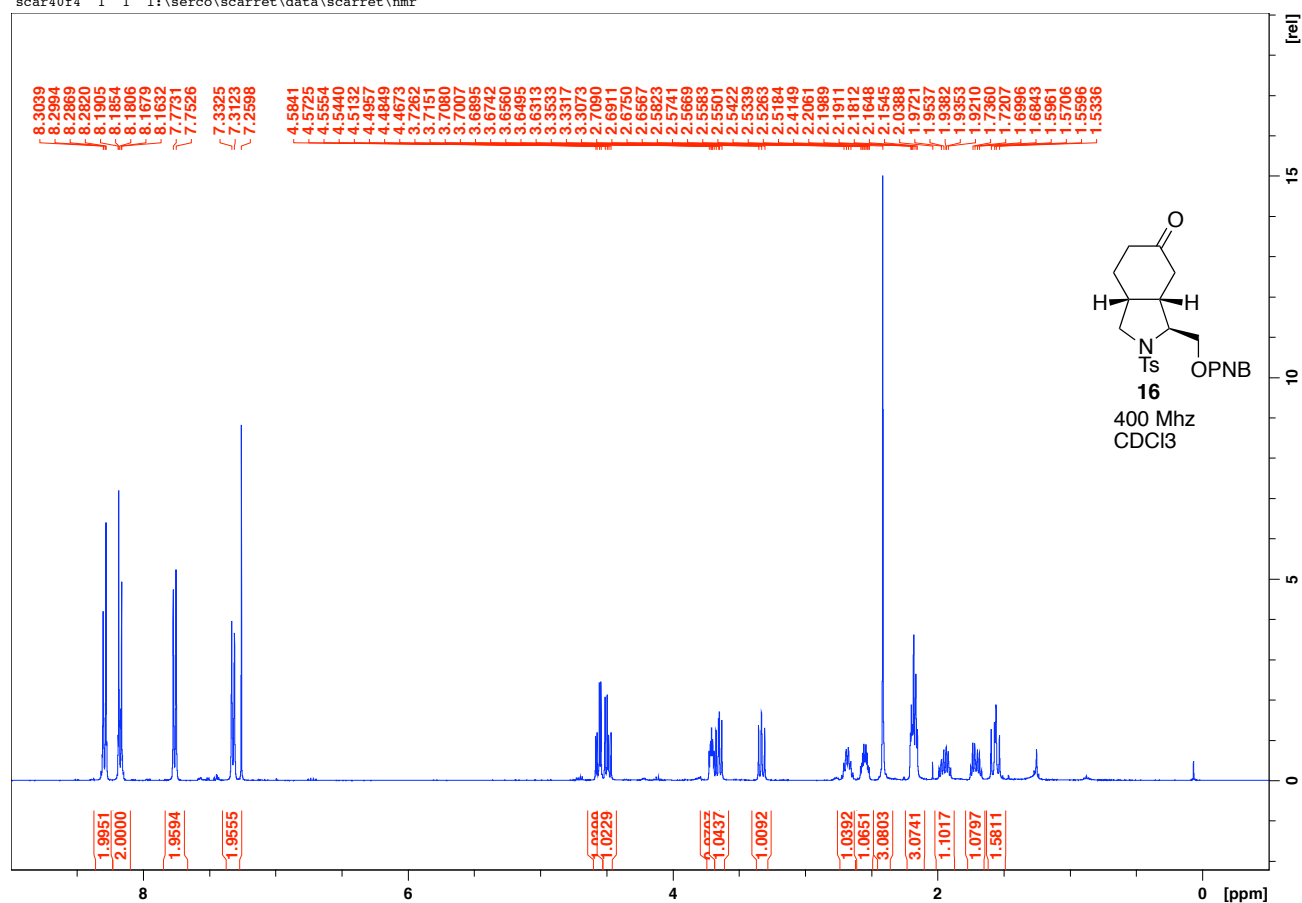


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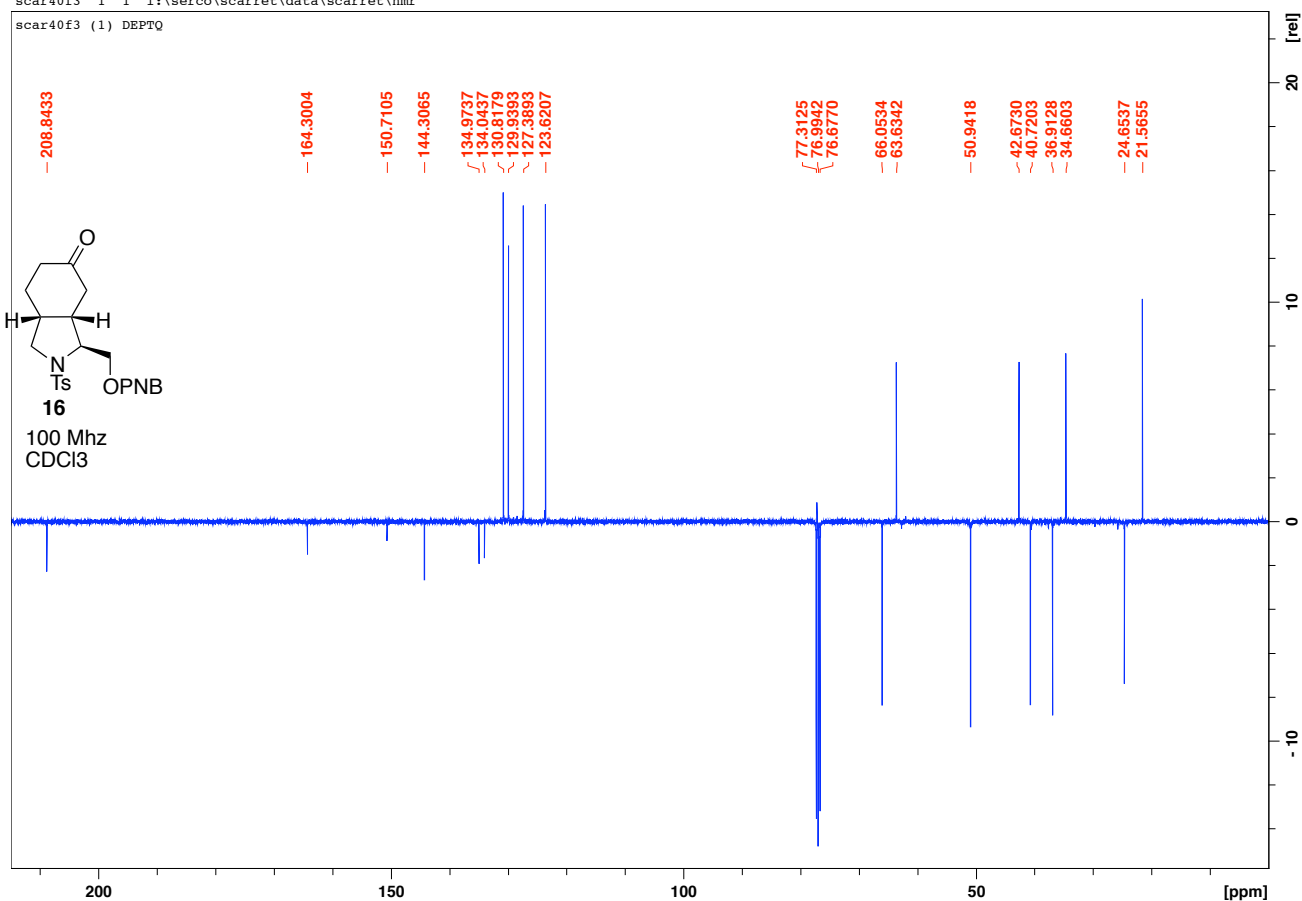
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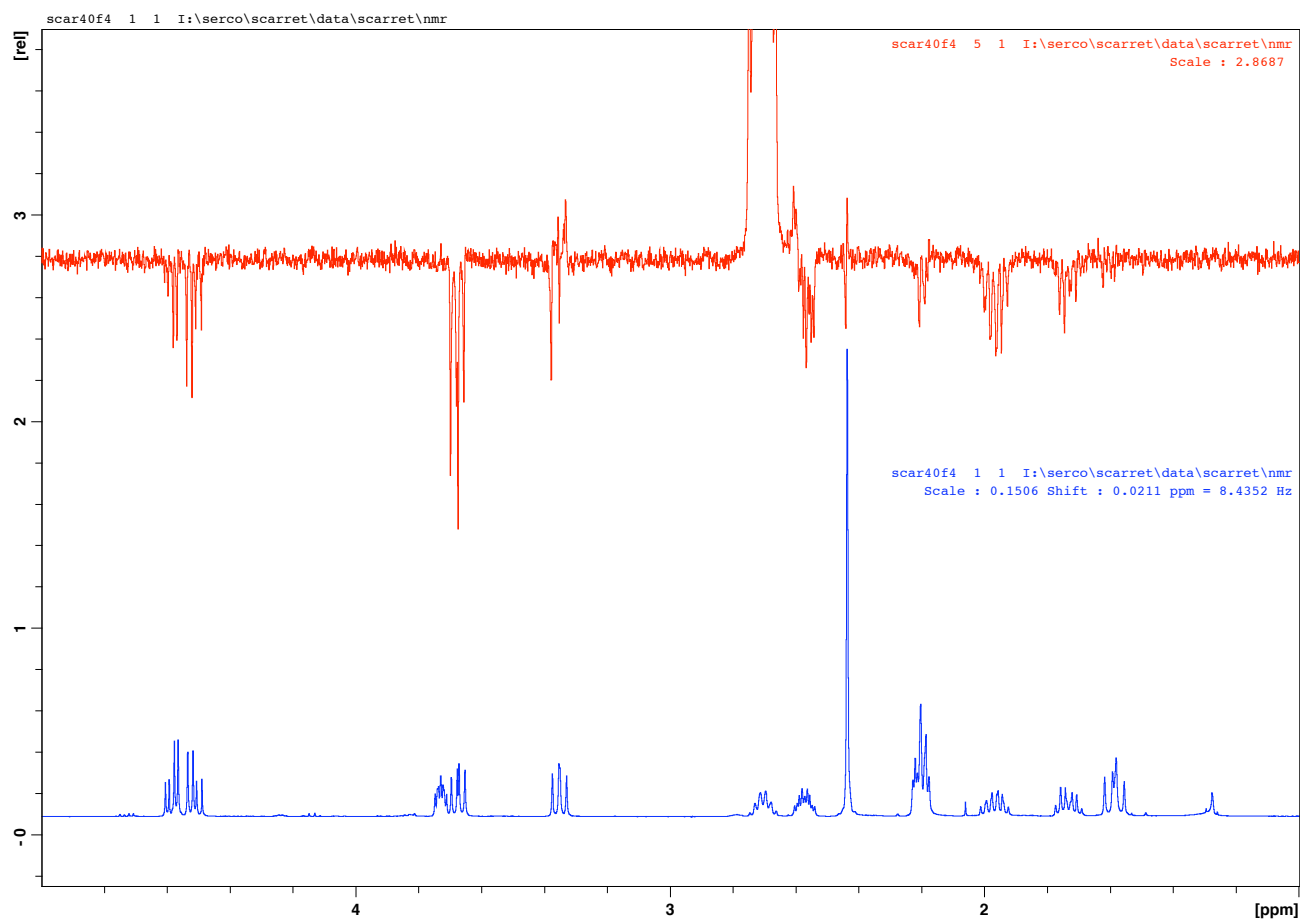
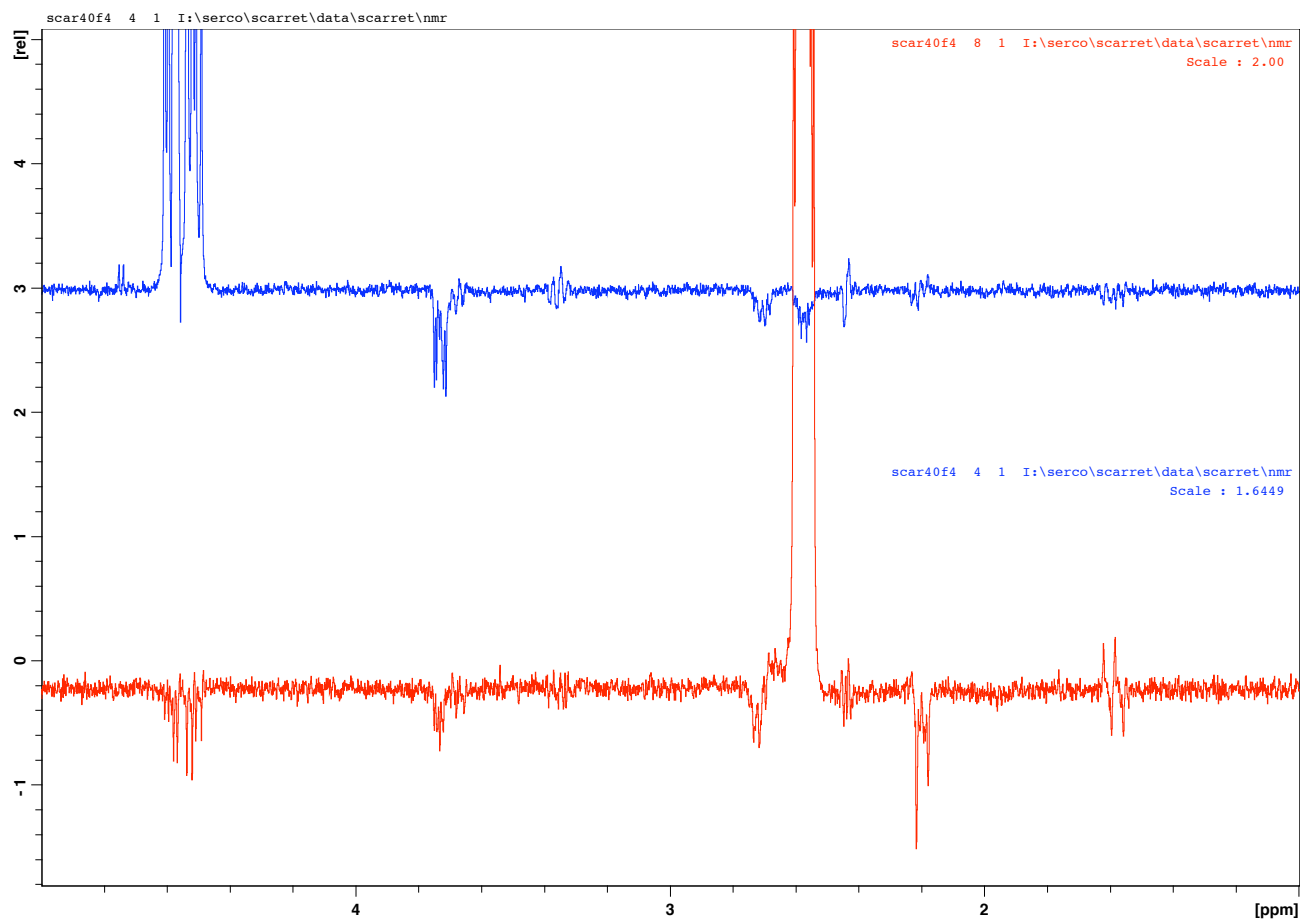
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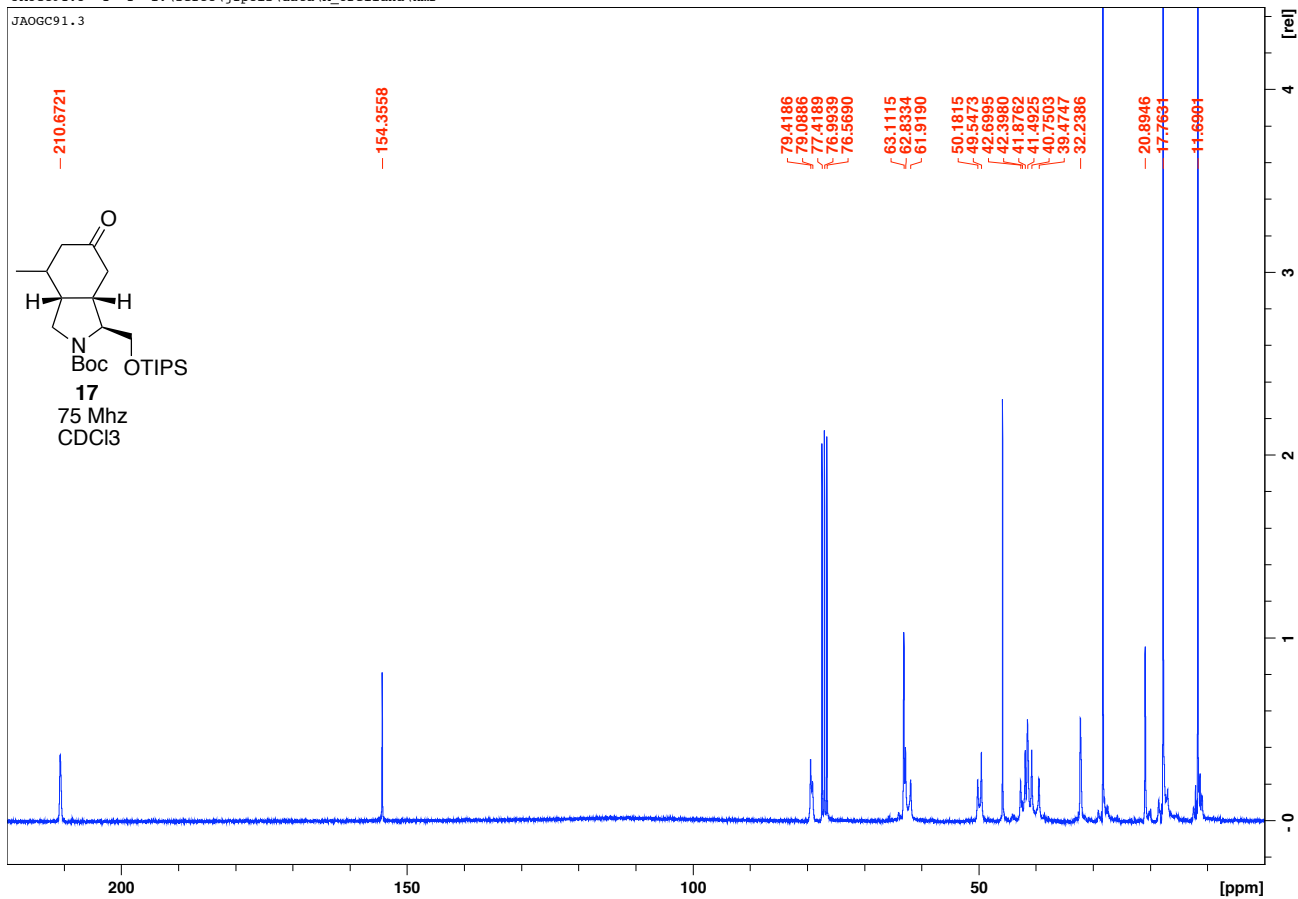
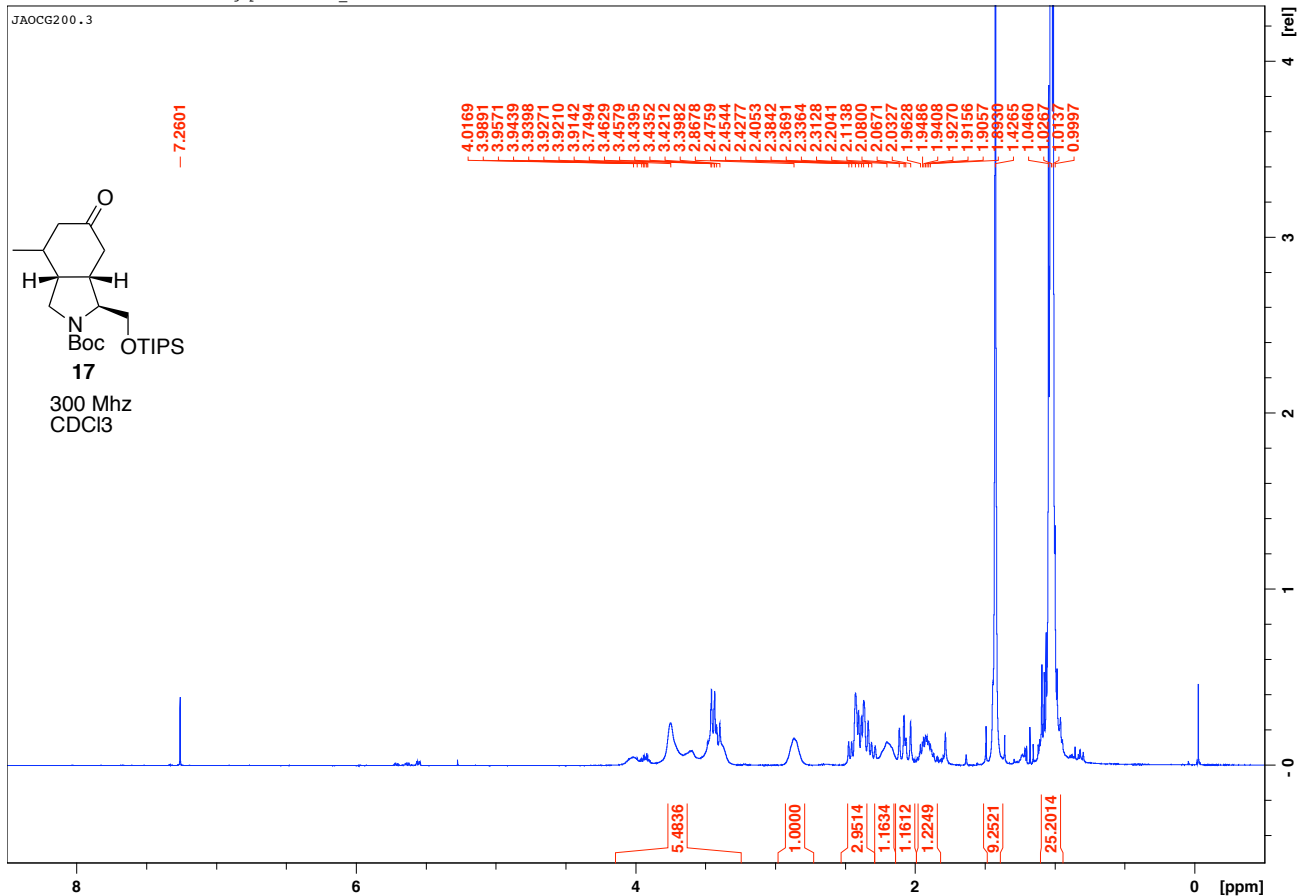


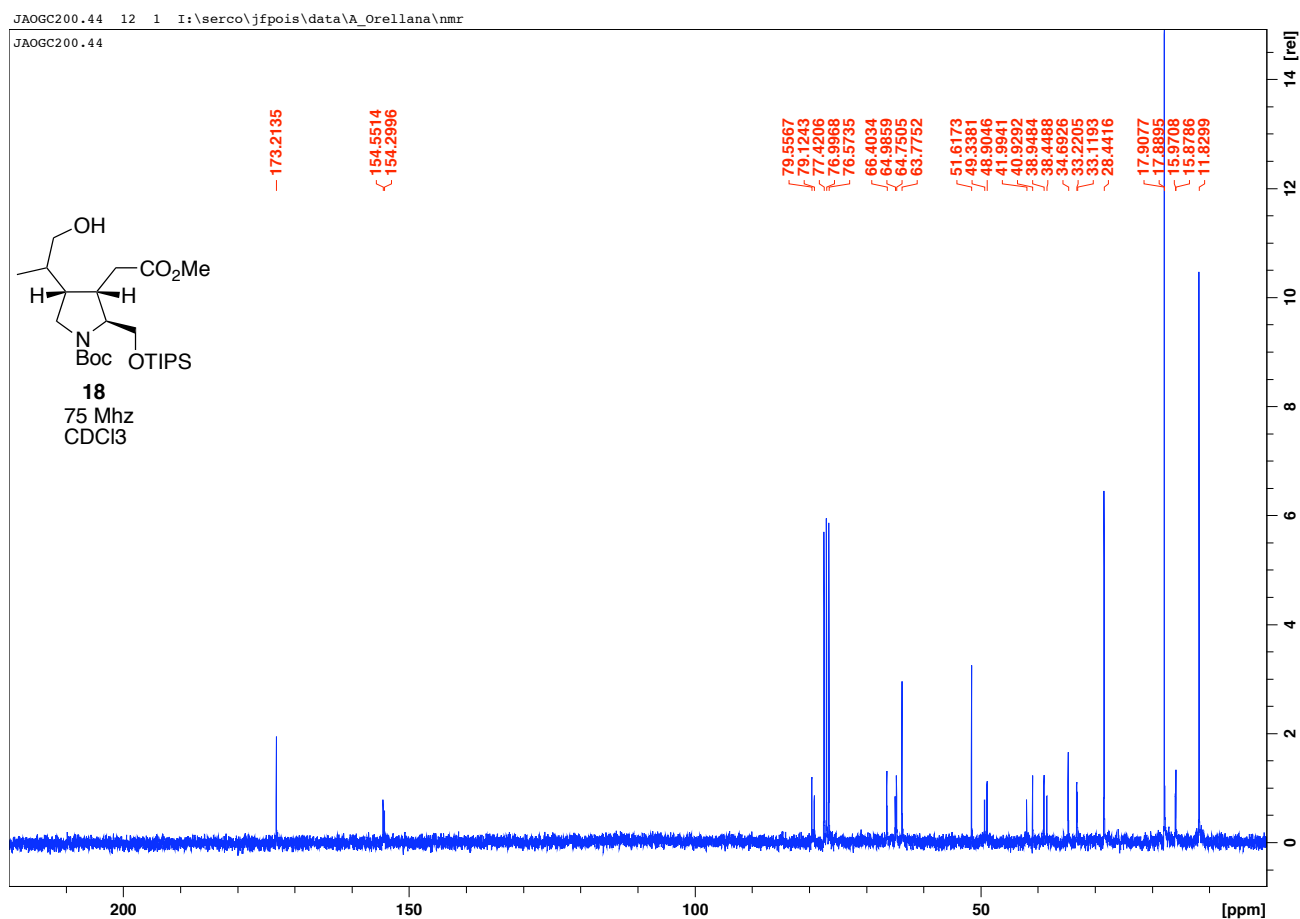
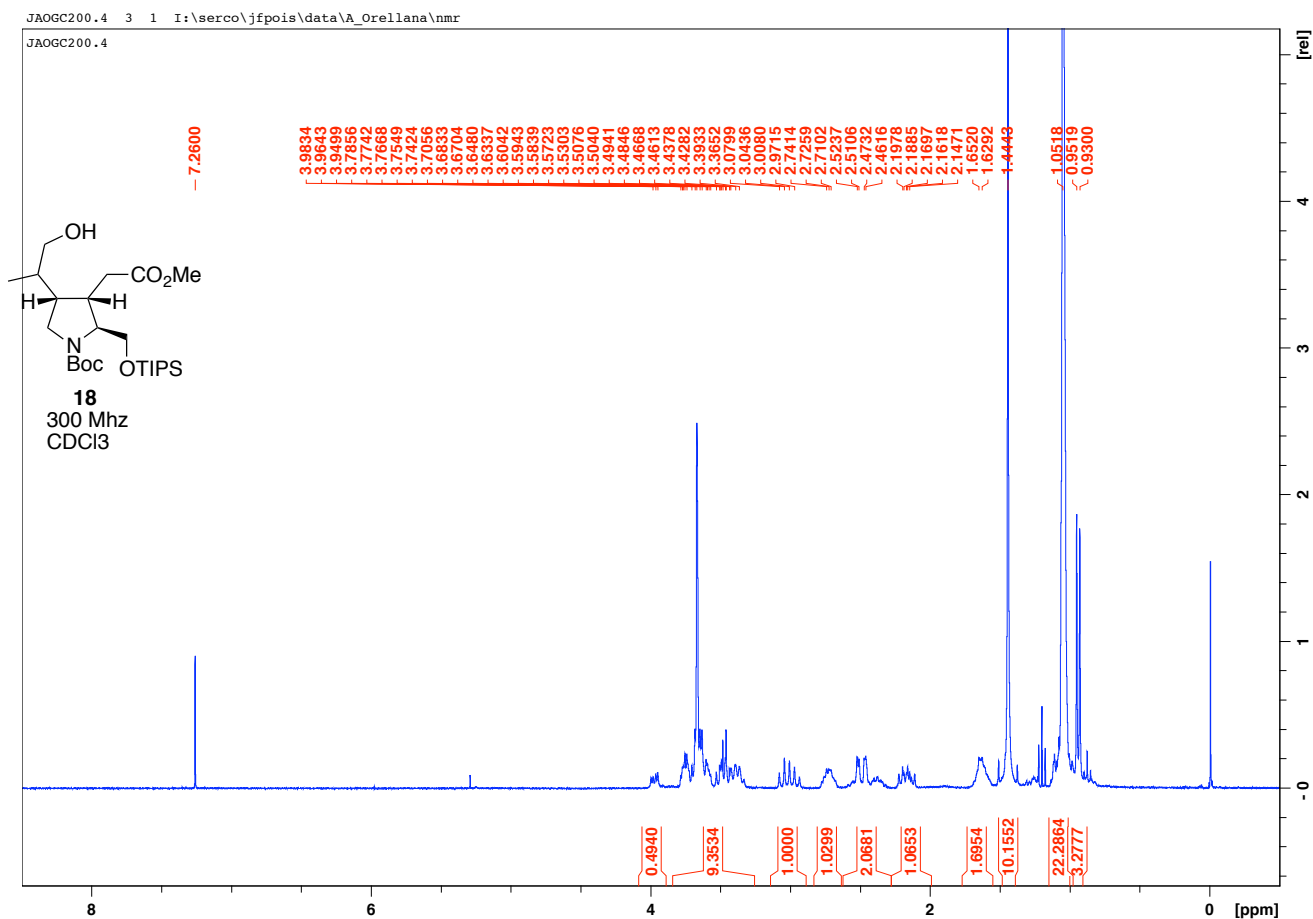
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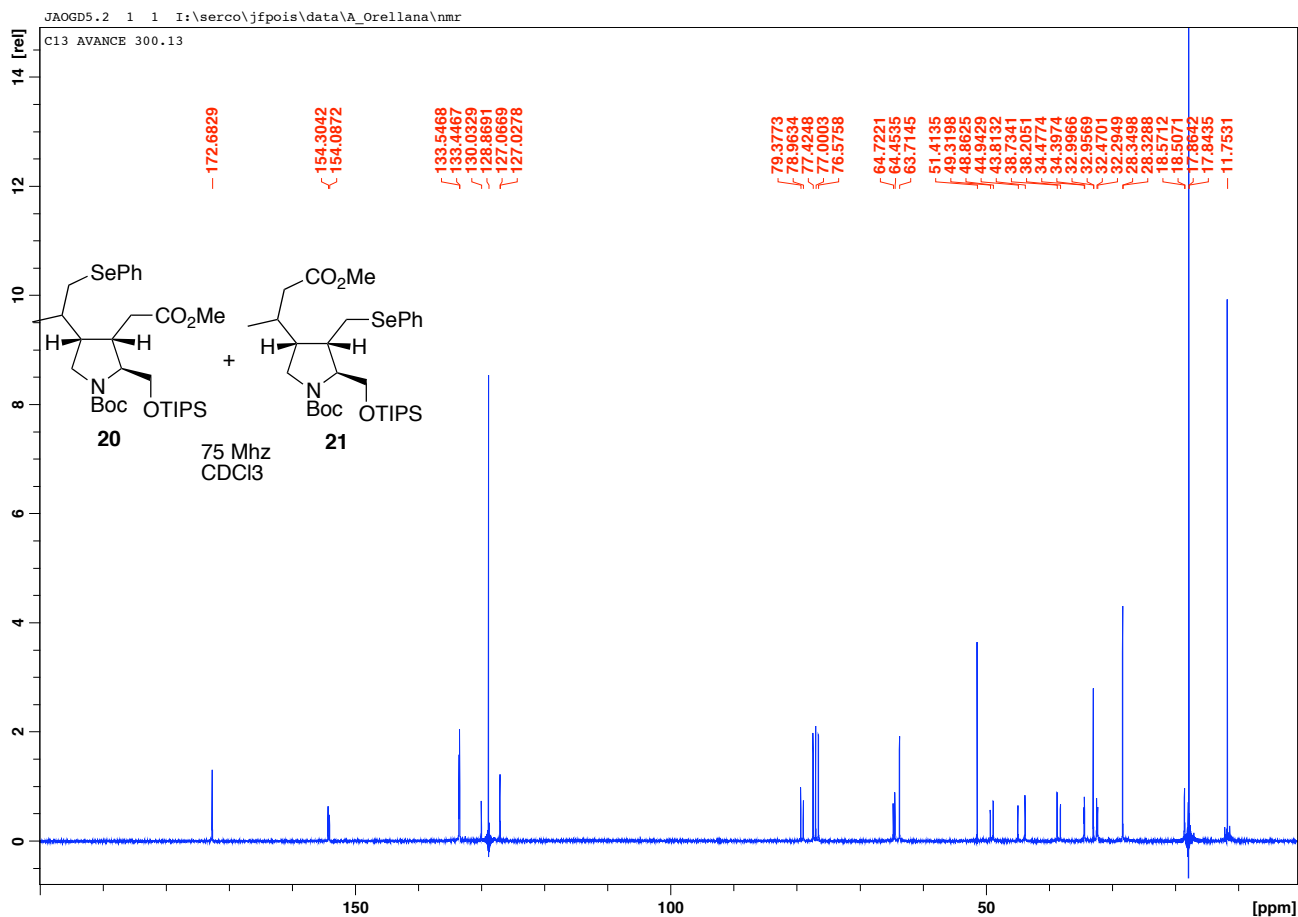
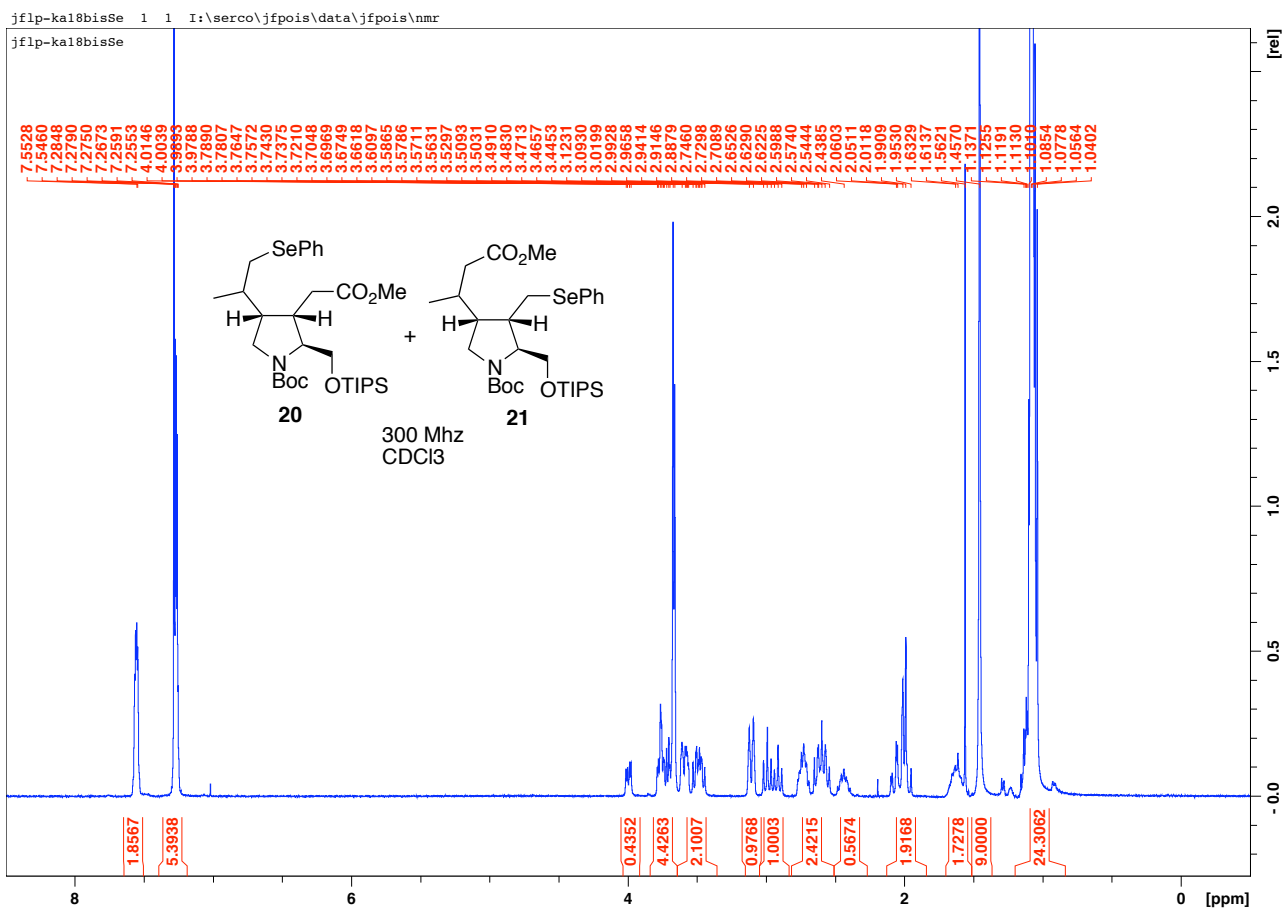


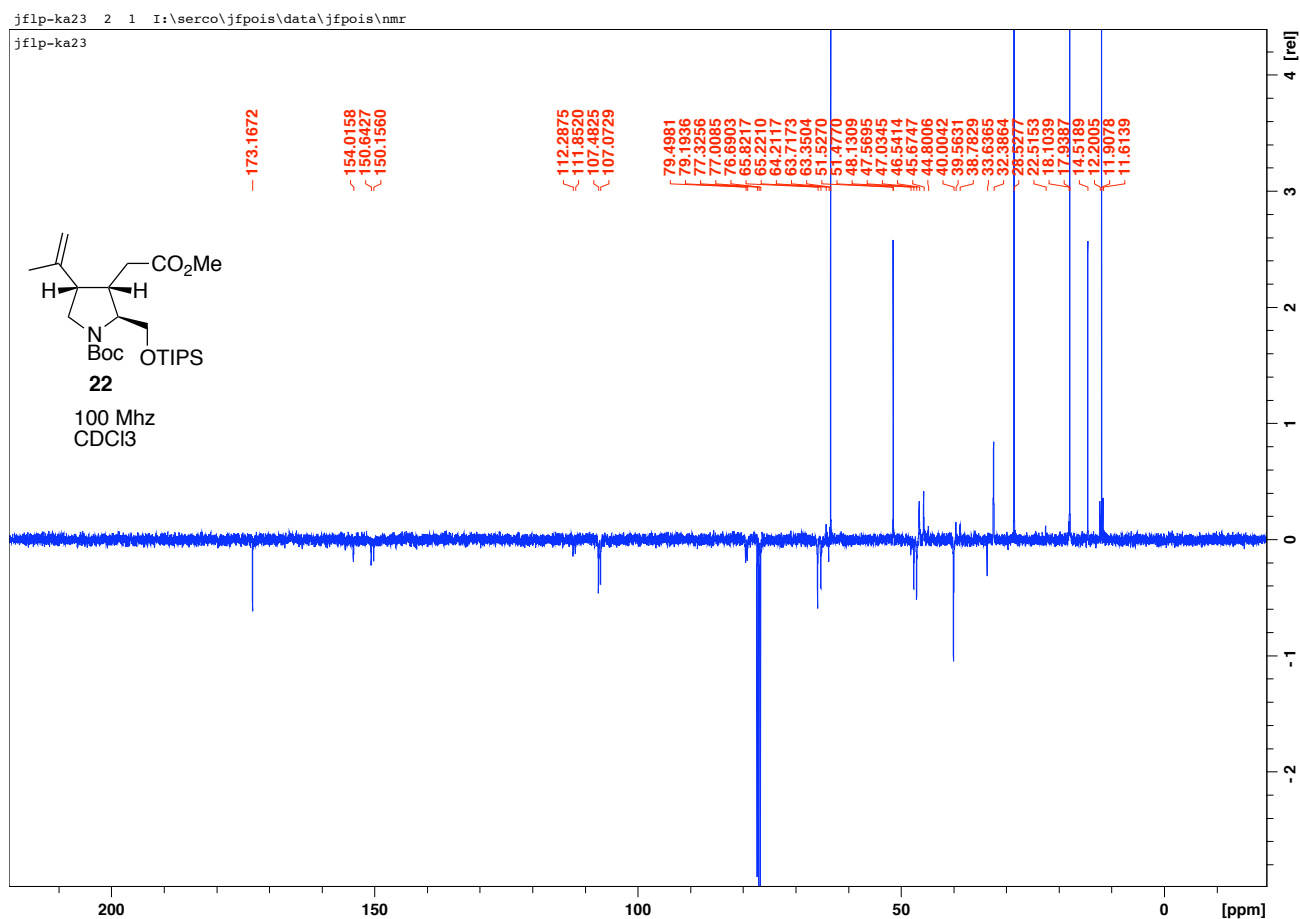
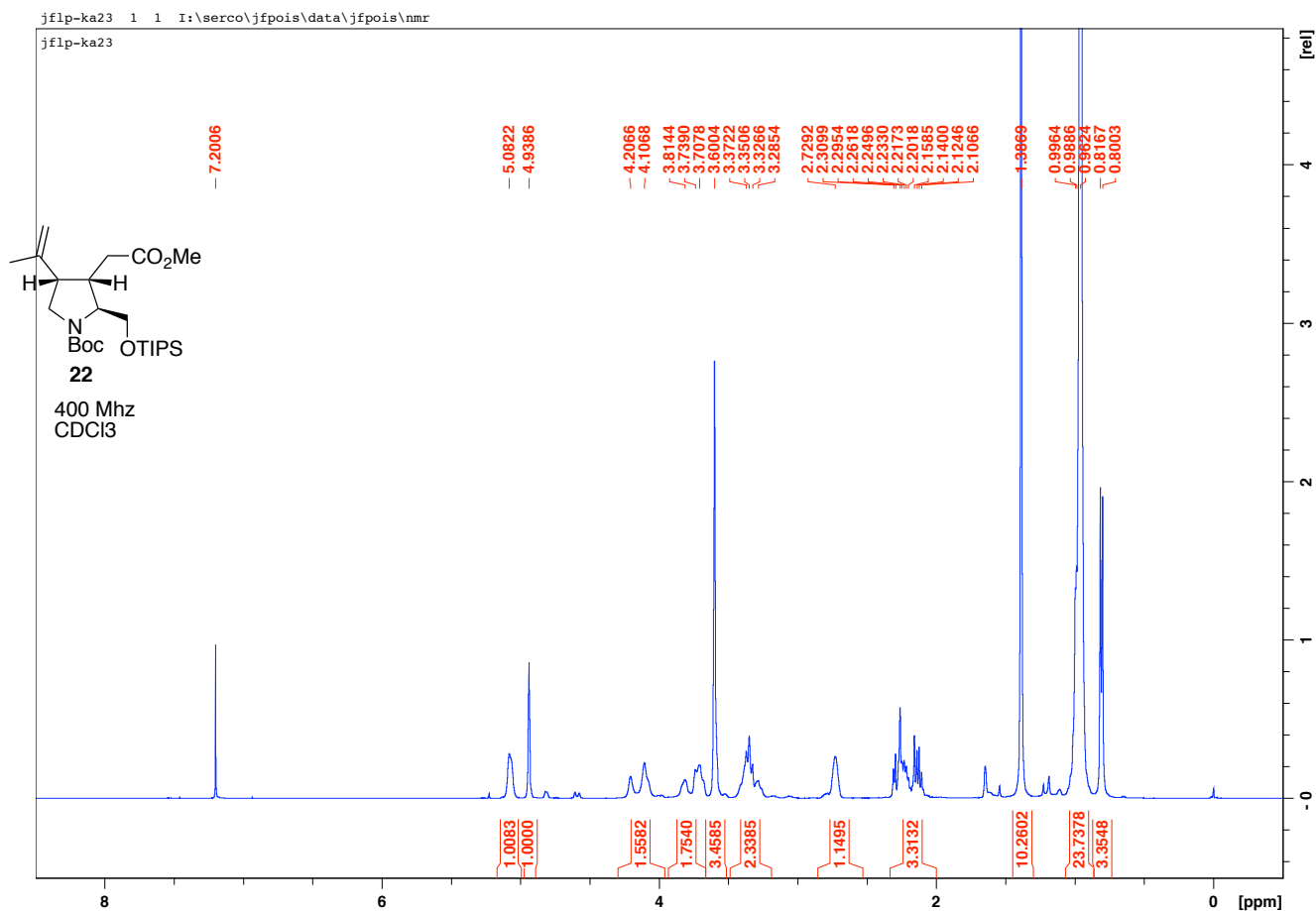
Noe 1D experiments on Ester 16

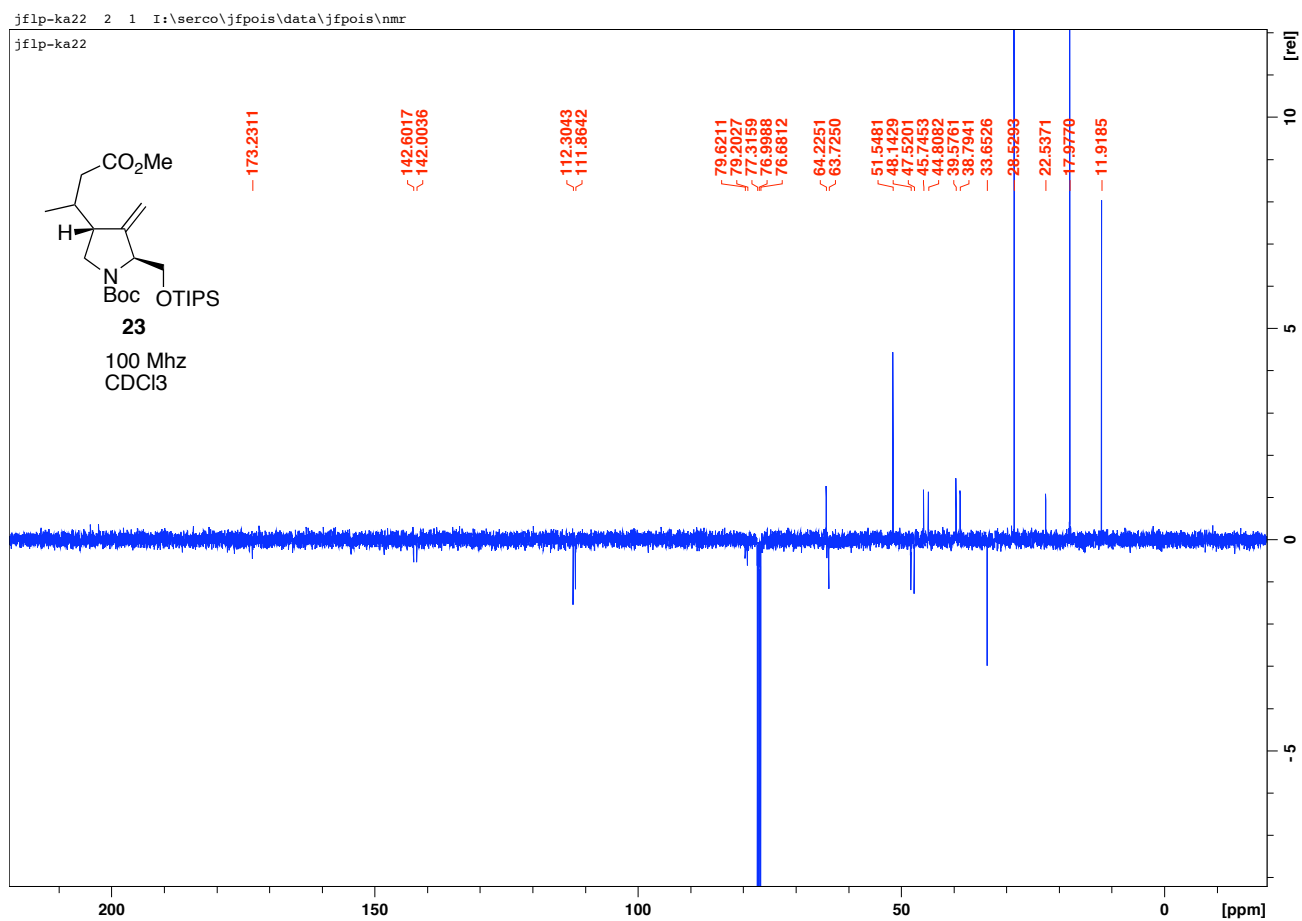
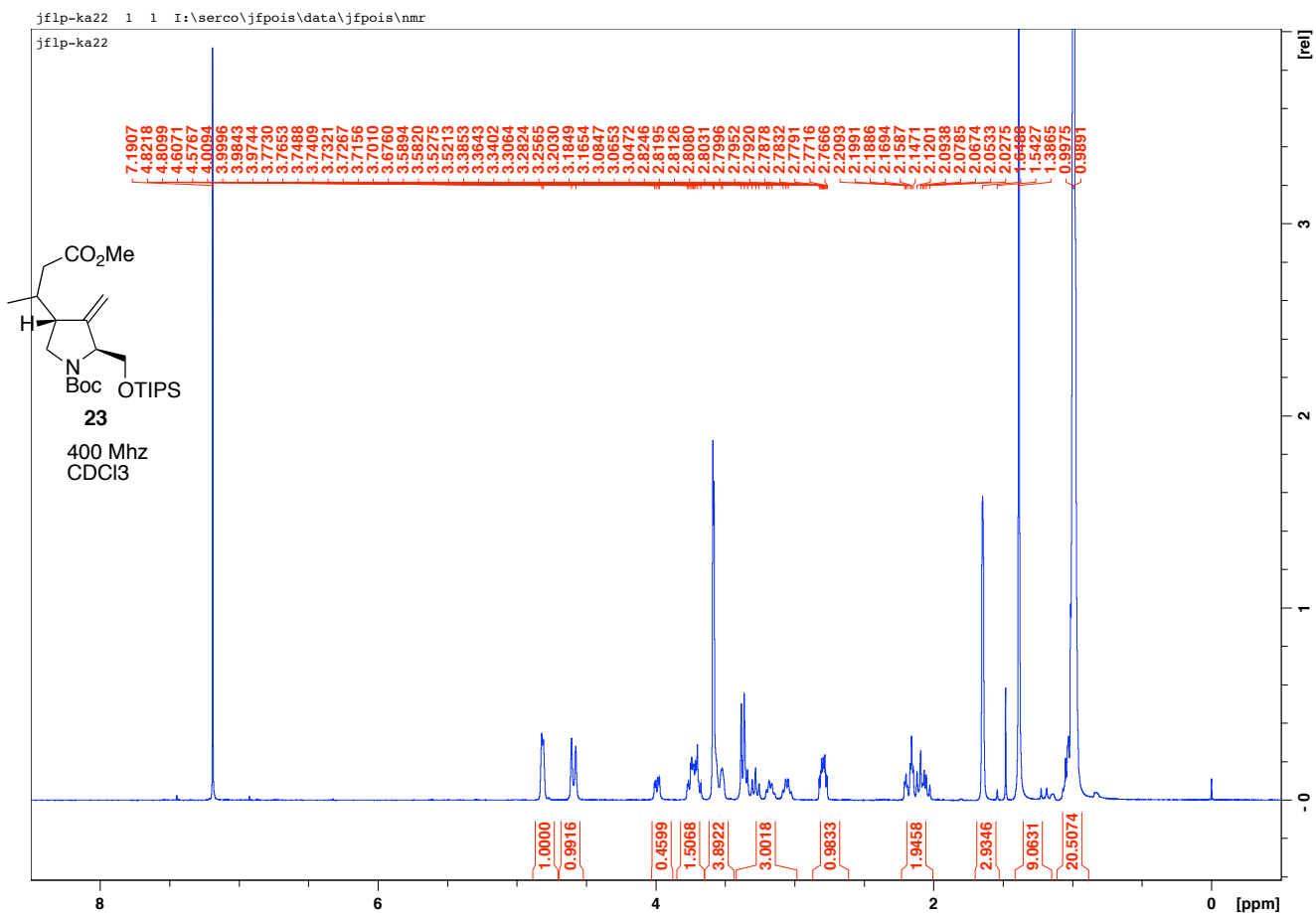


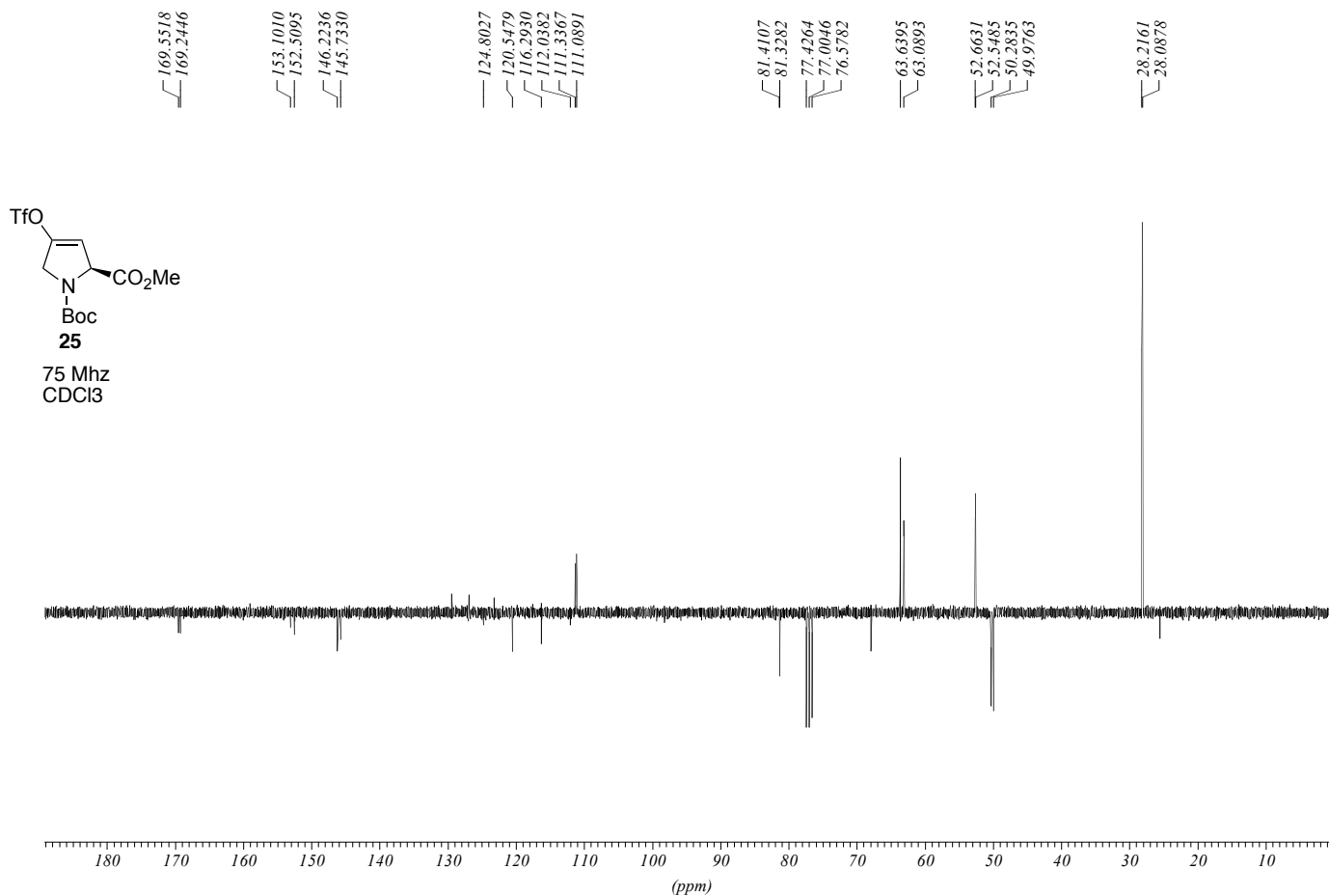
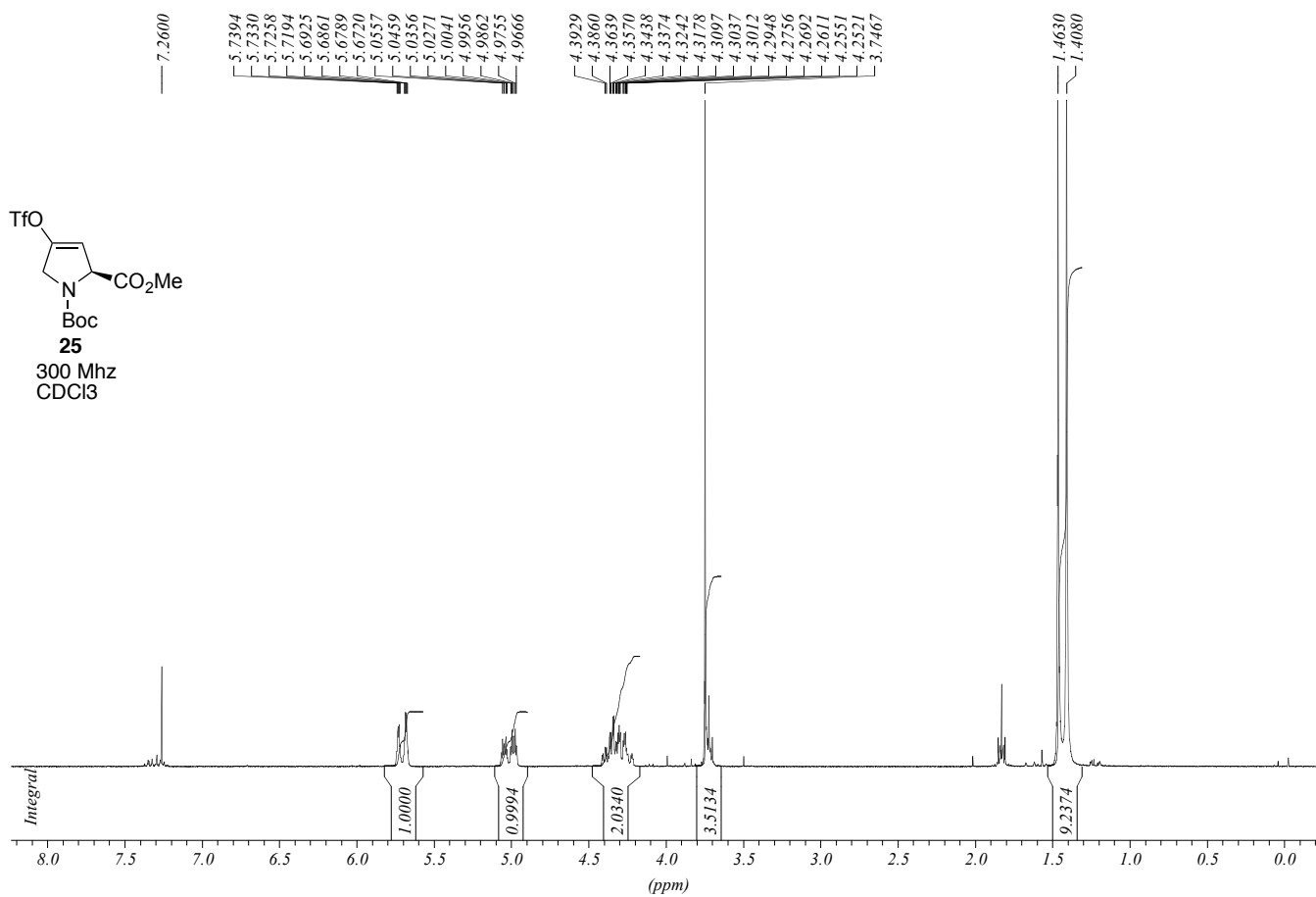


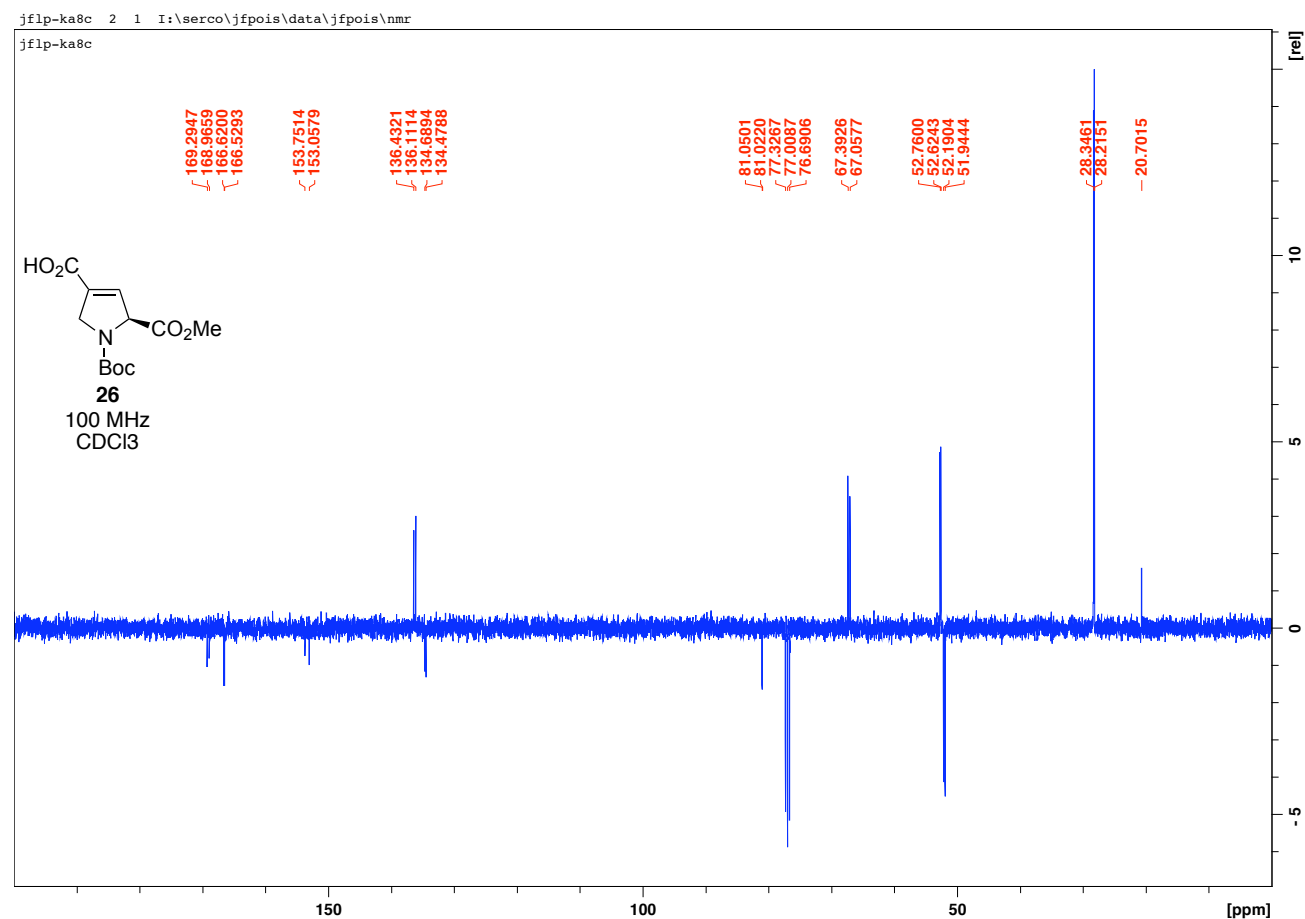
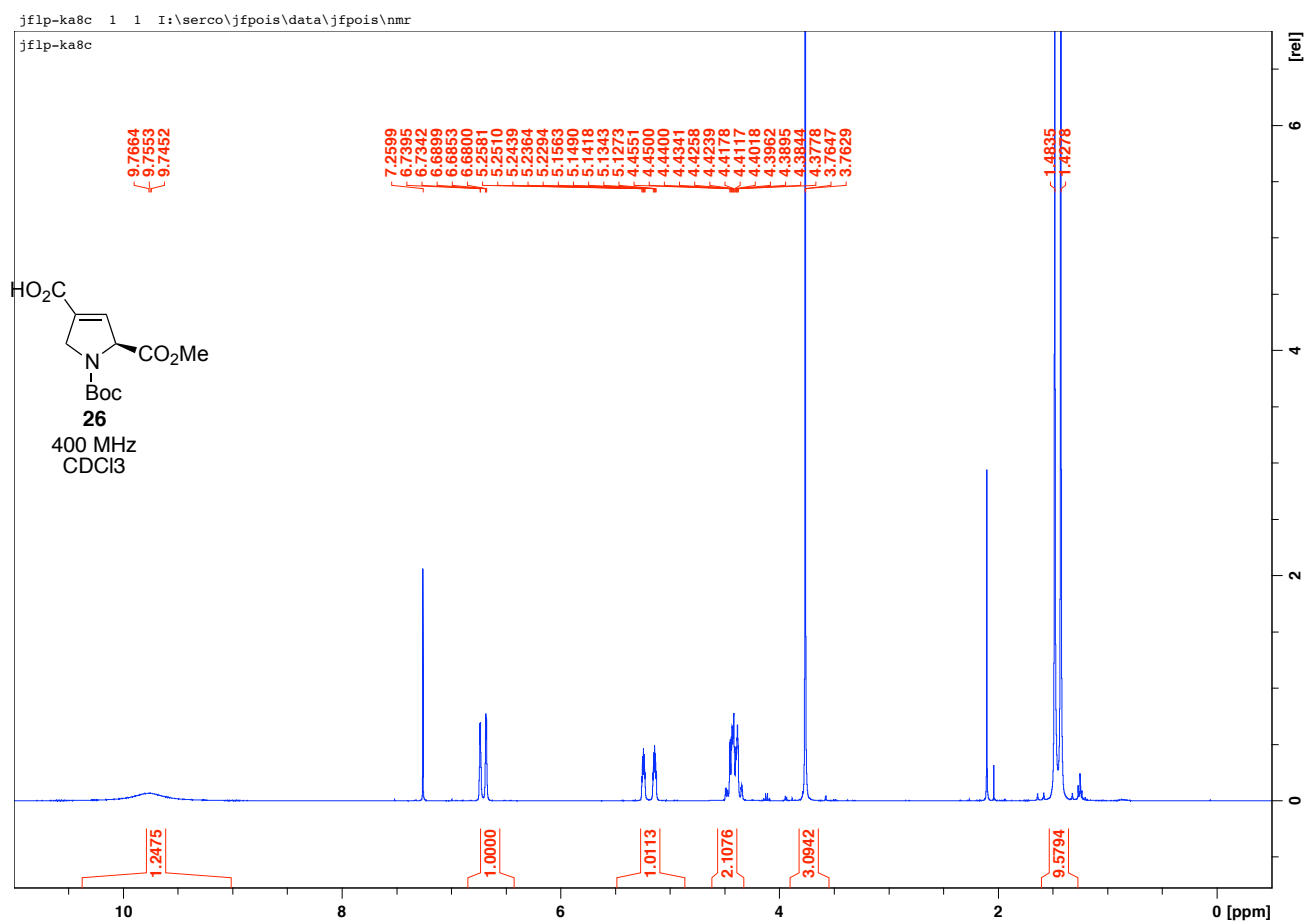




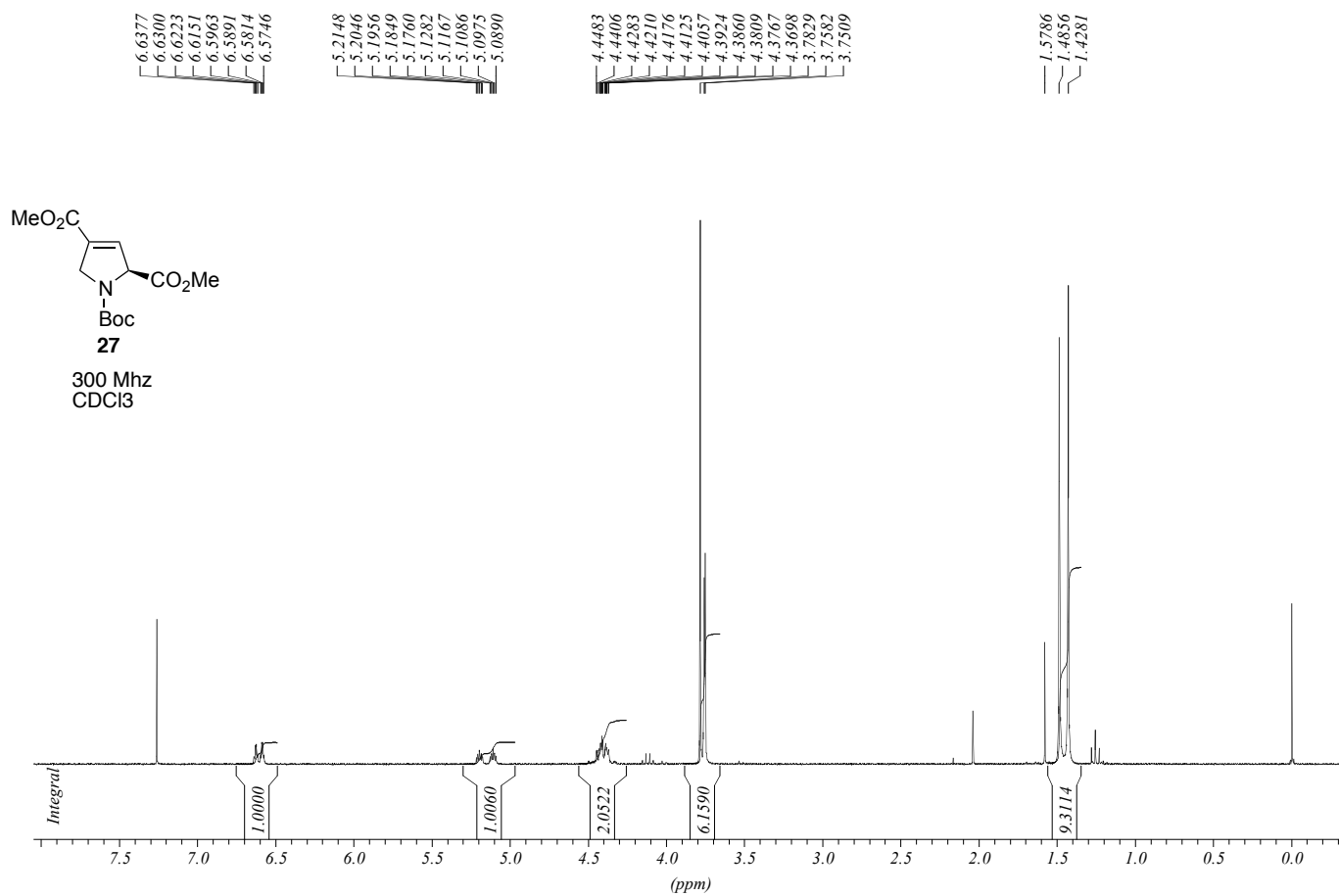




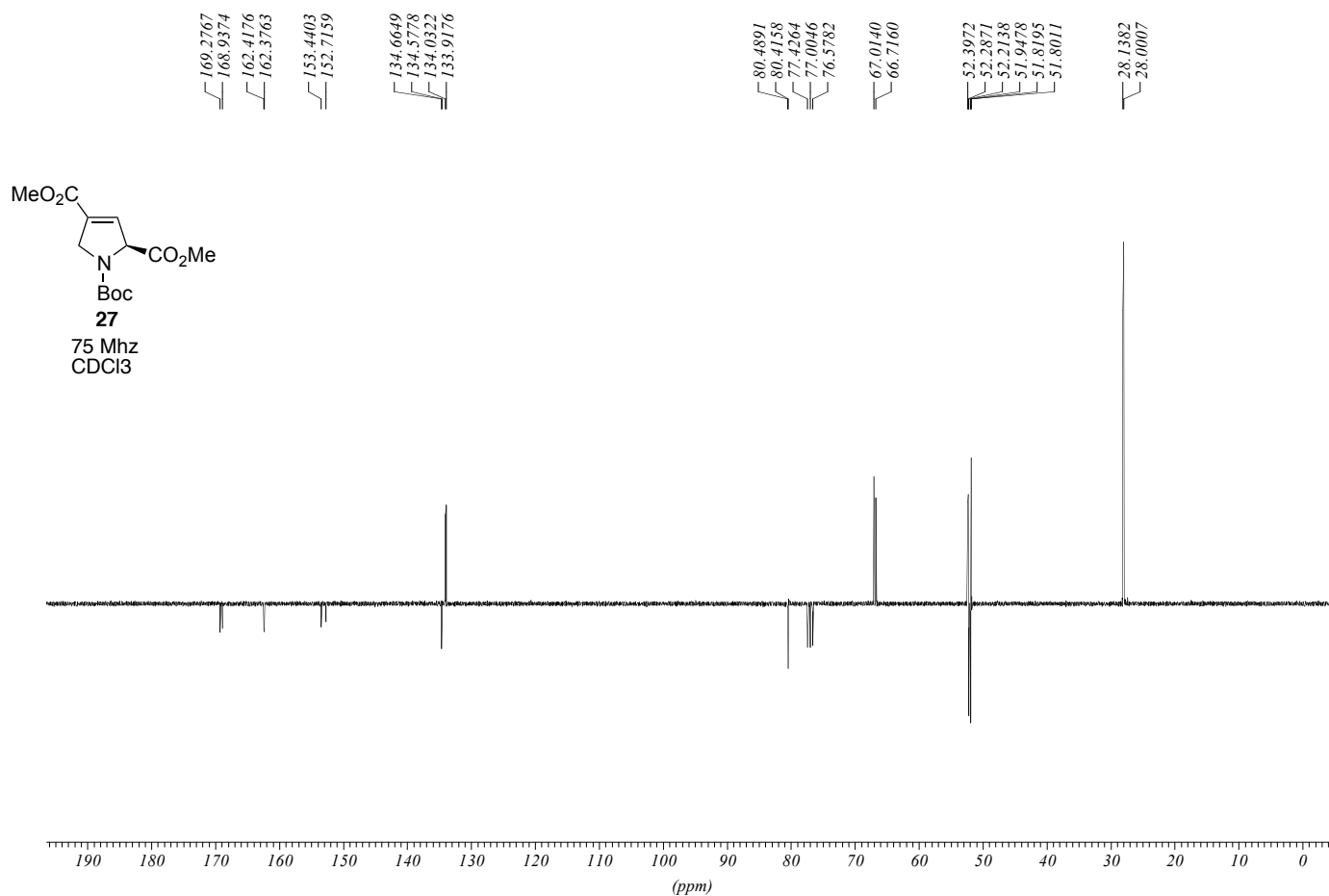




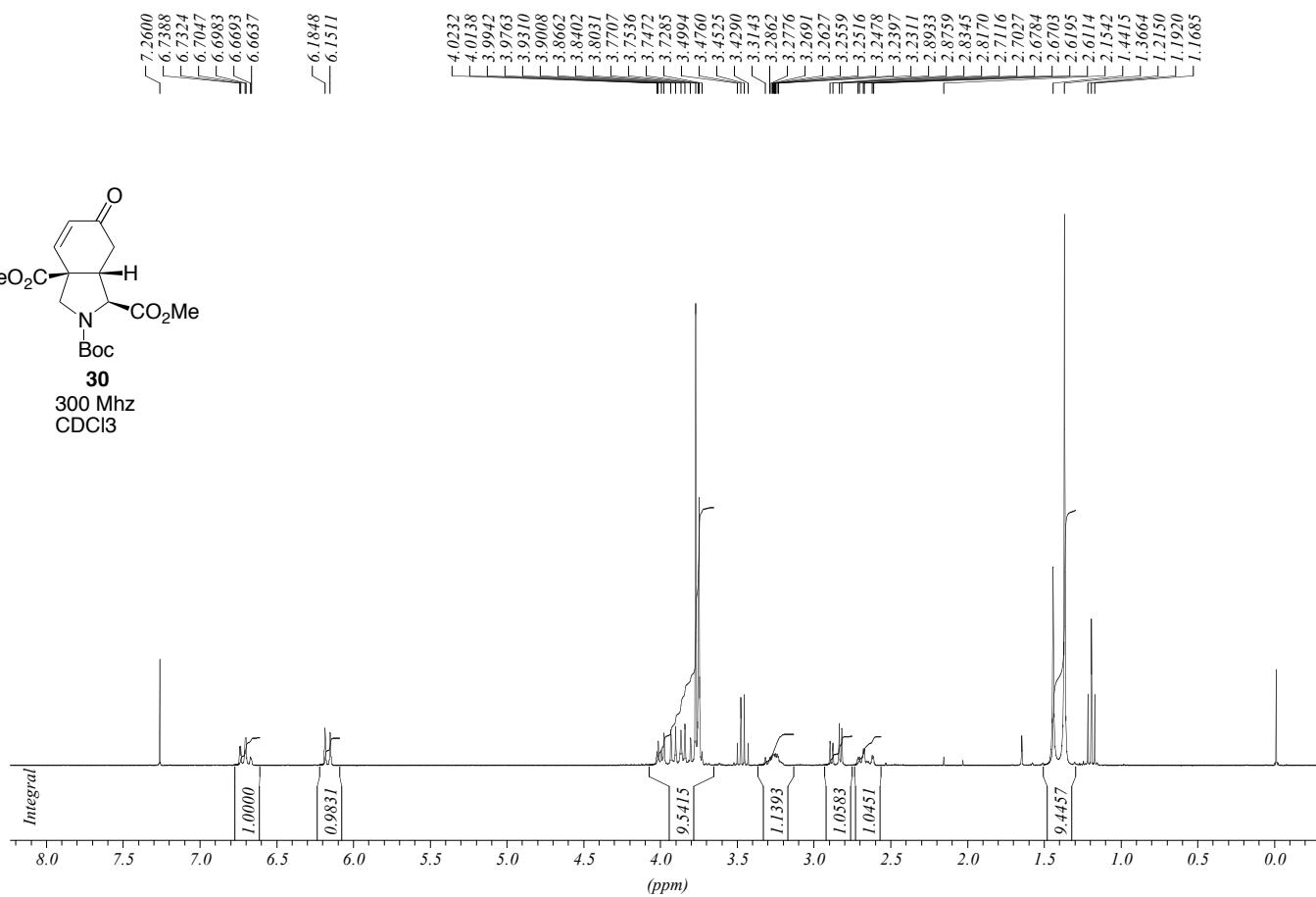
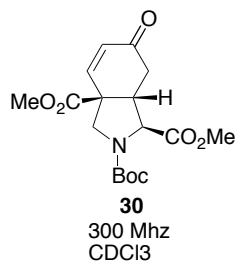
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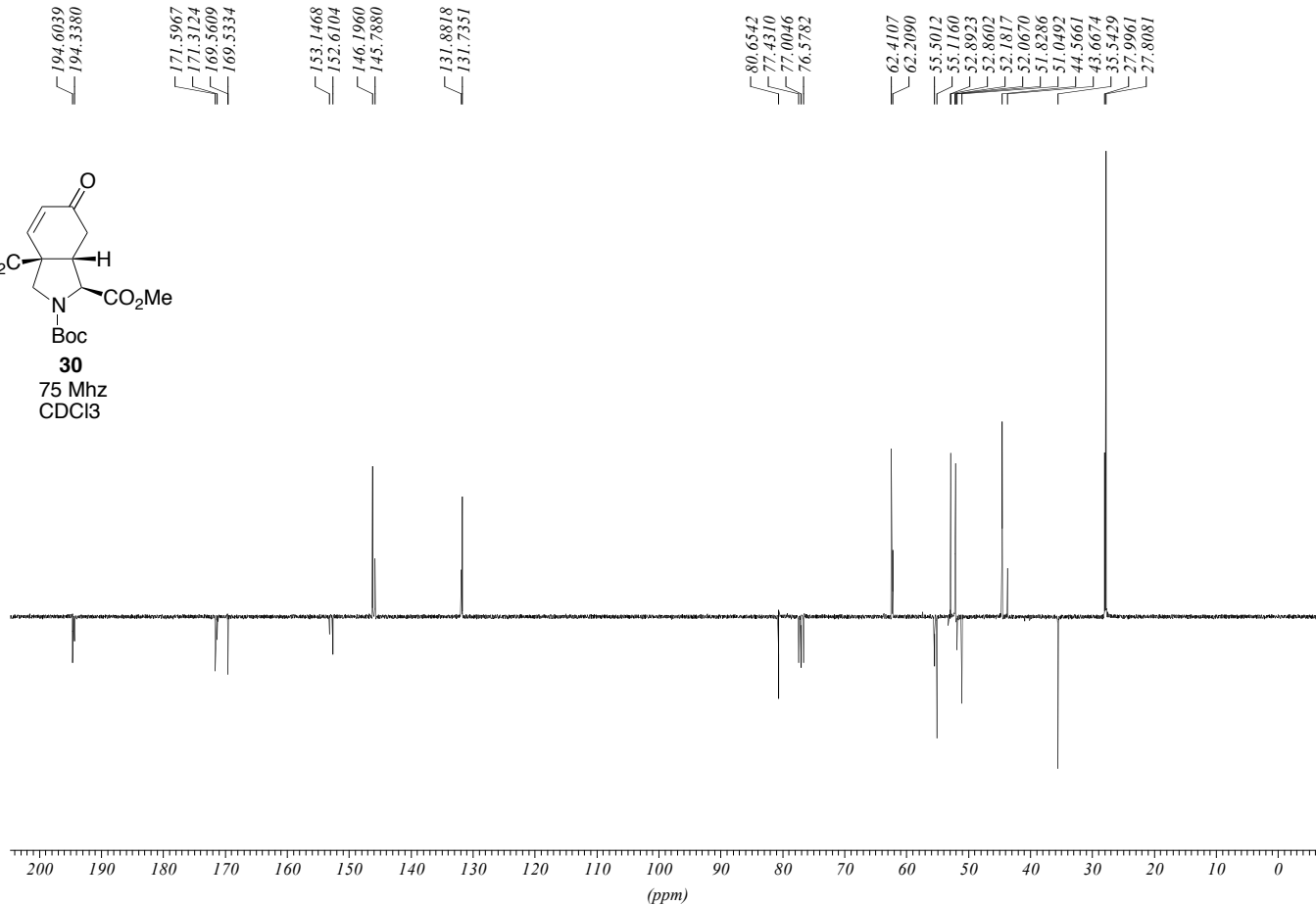
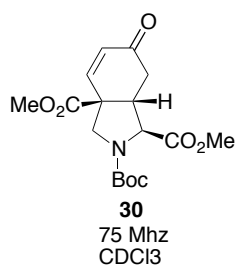
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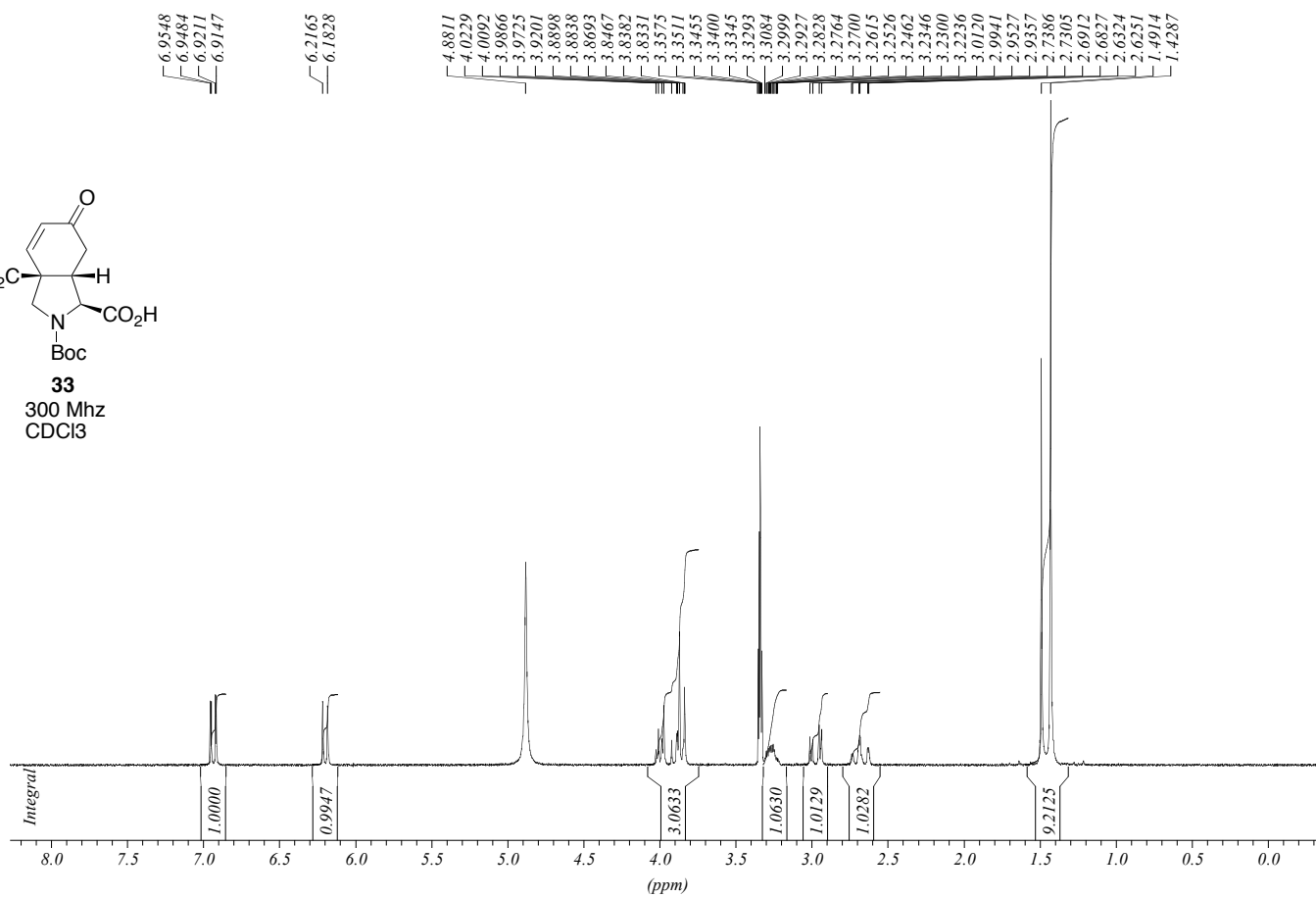
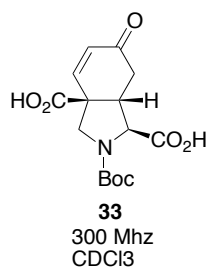


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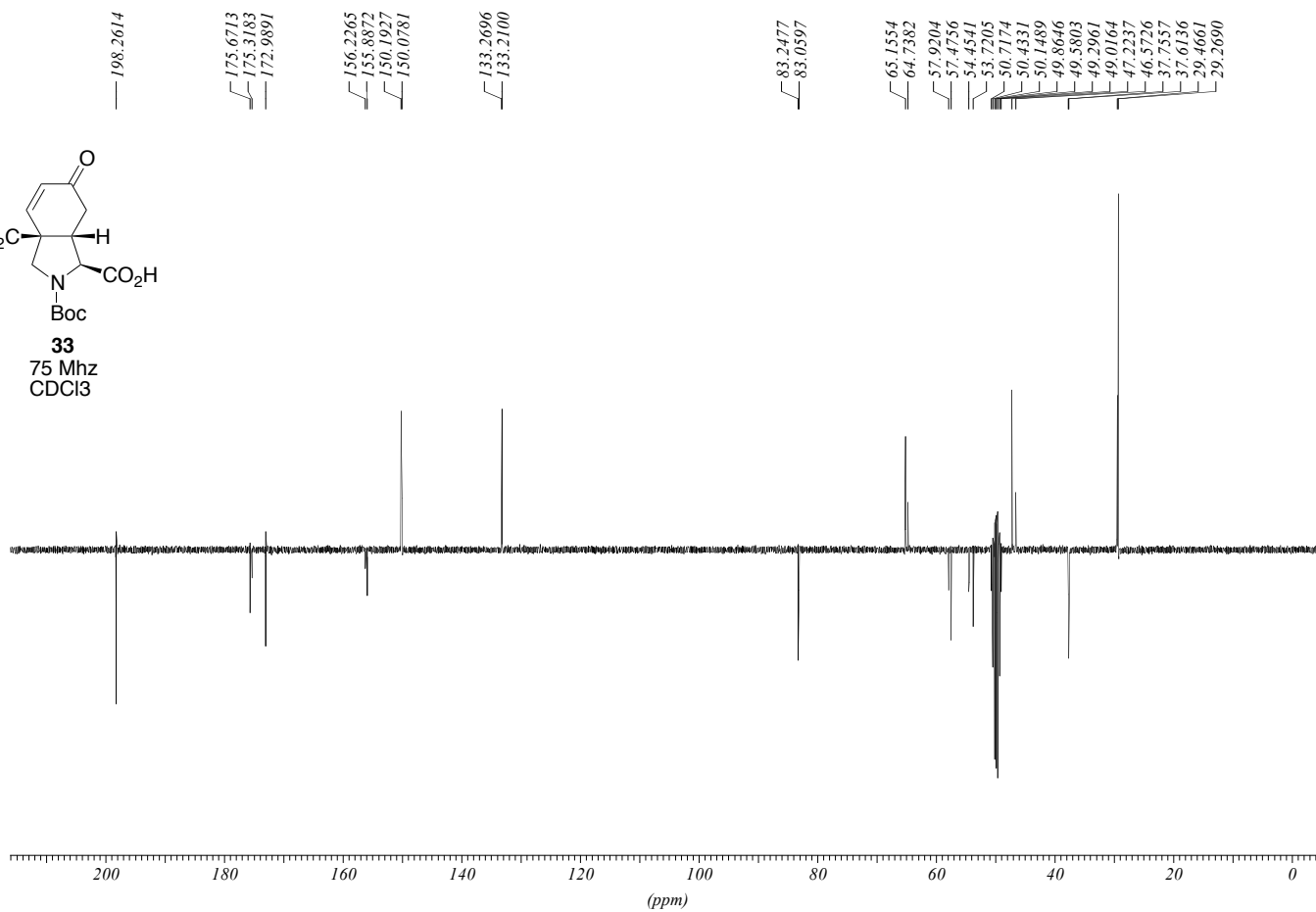
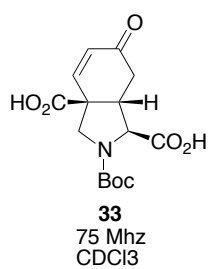


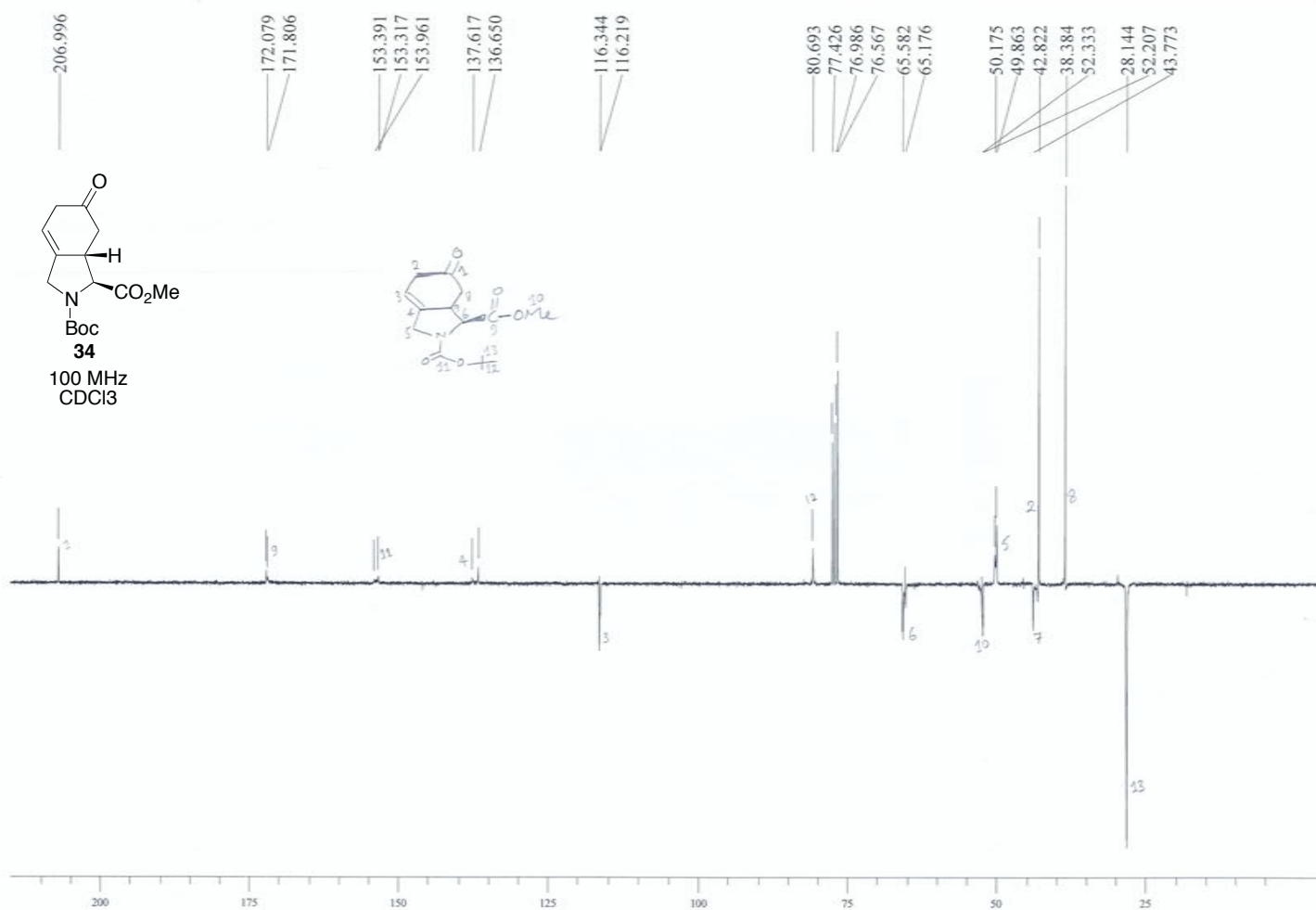
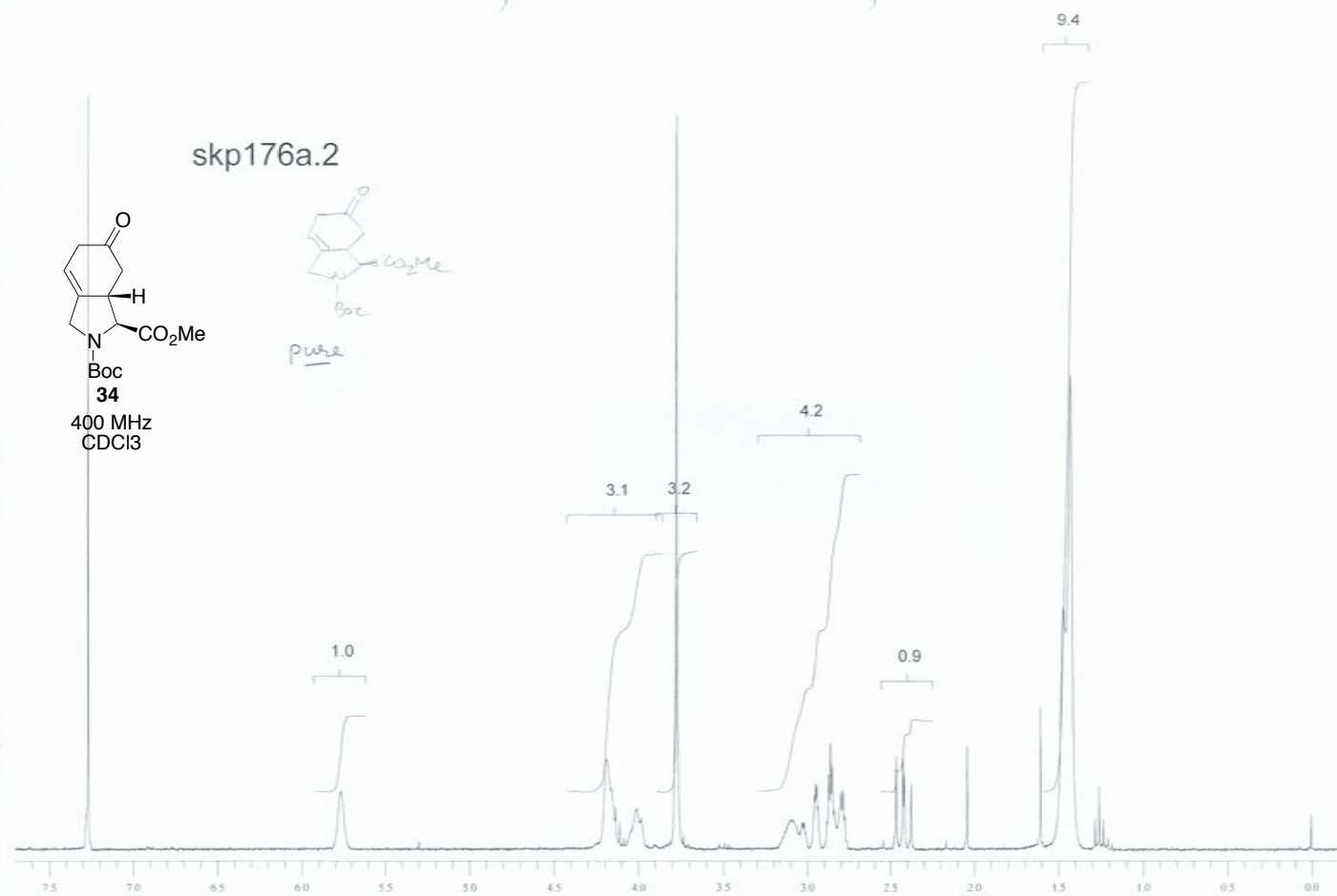
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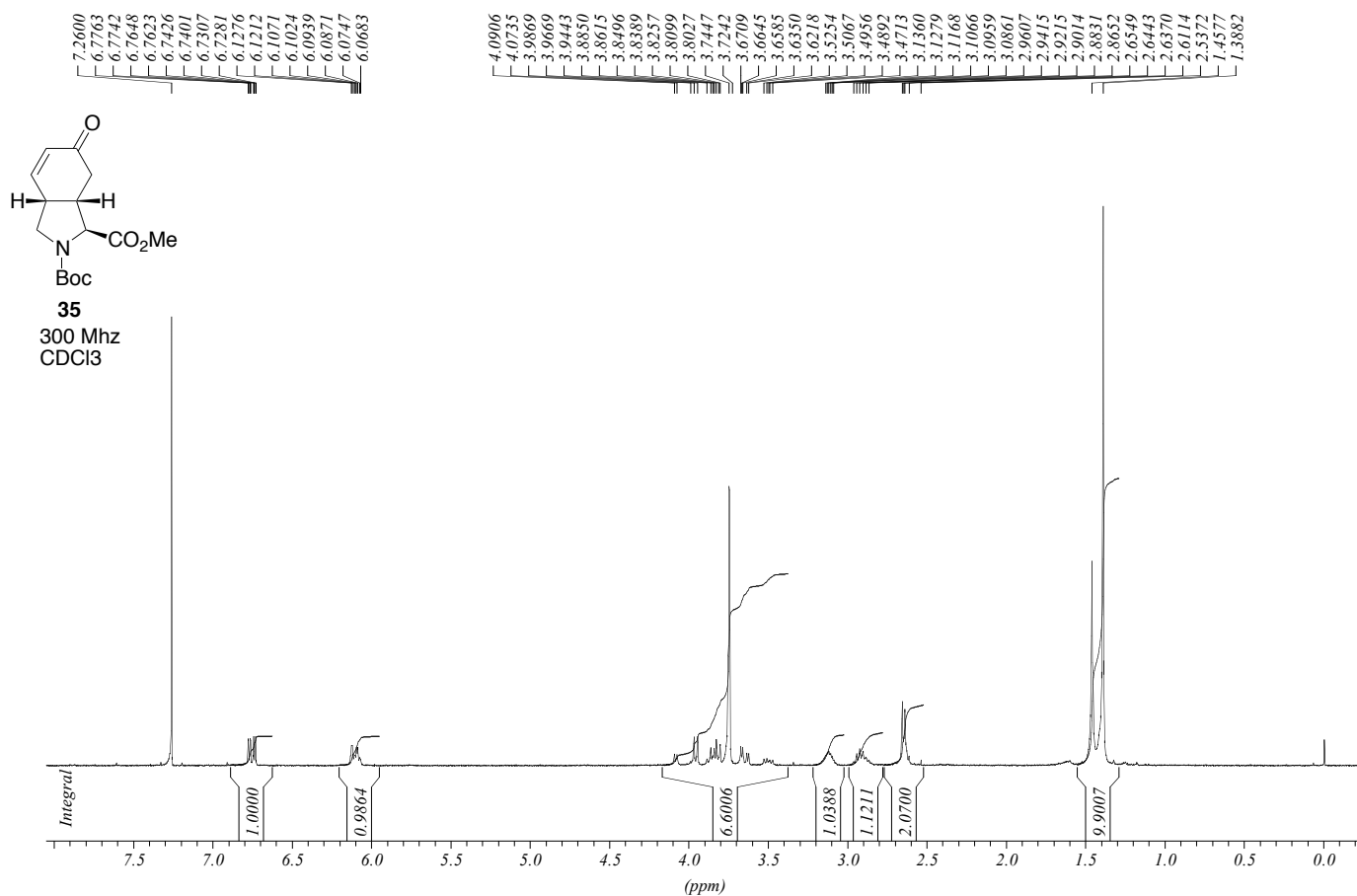


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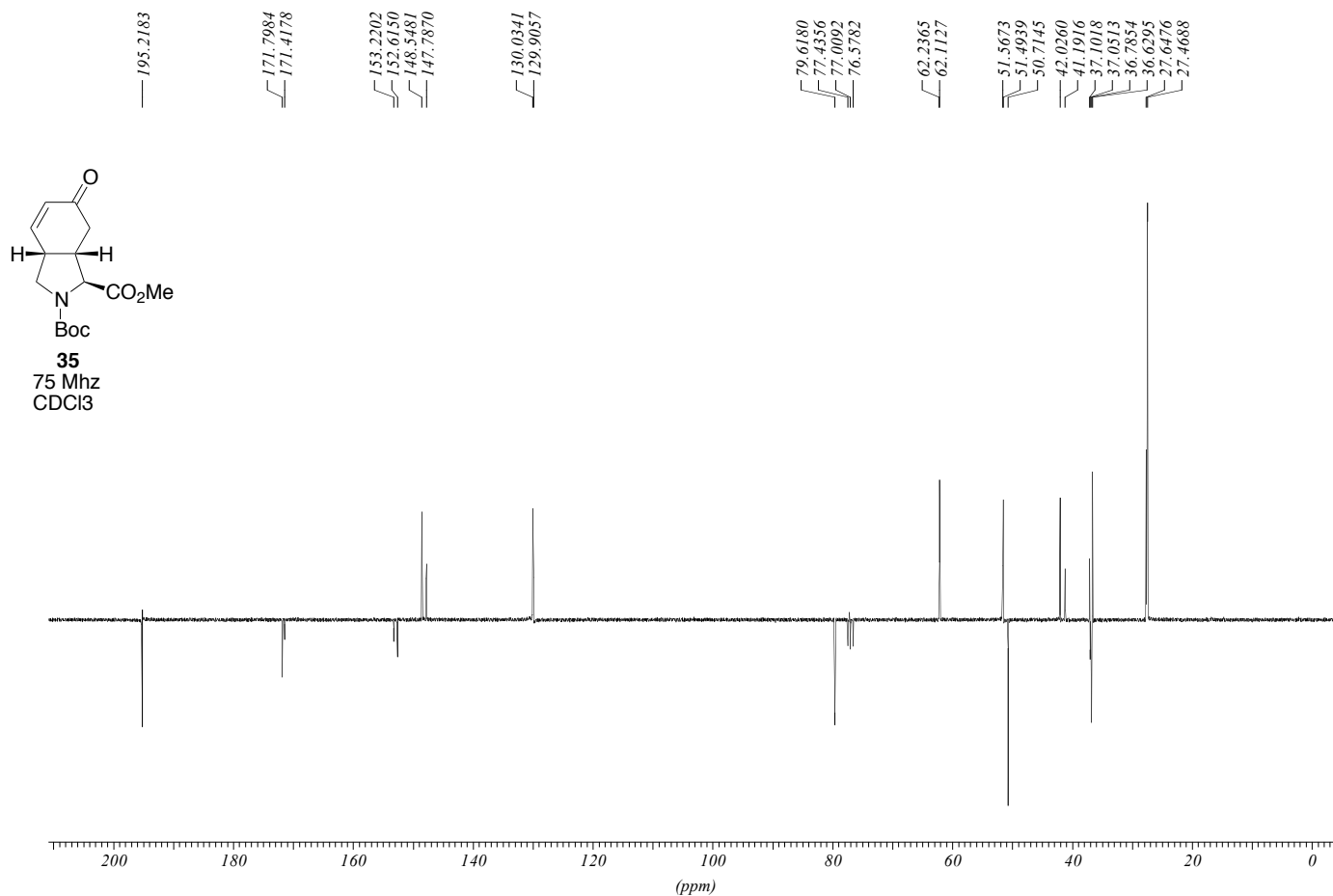


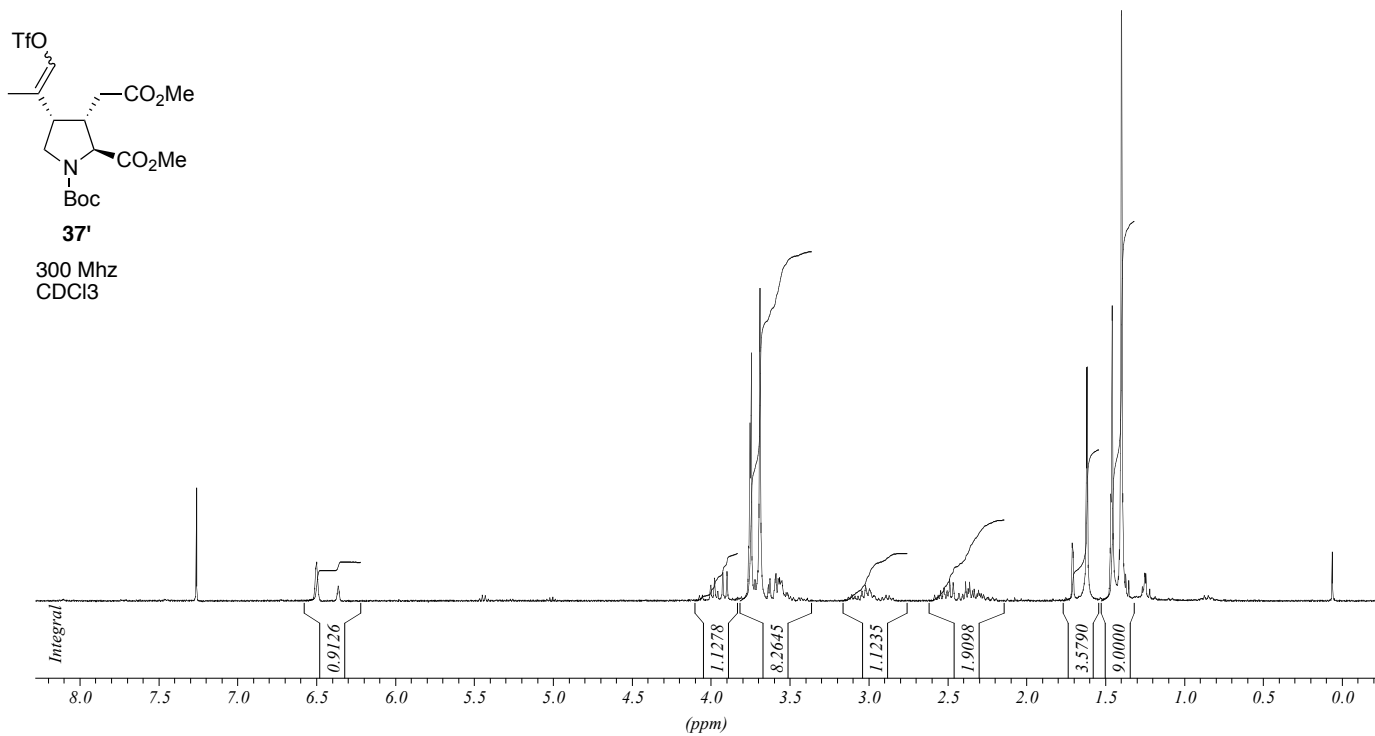


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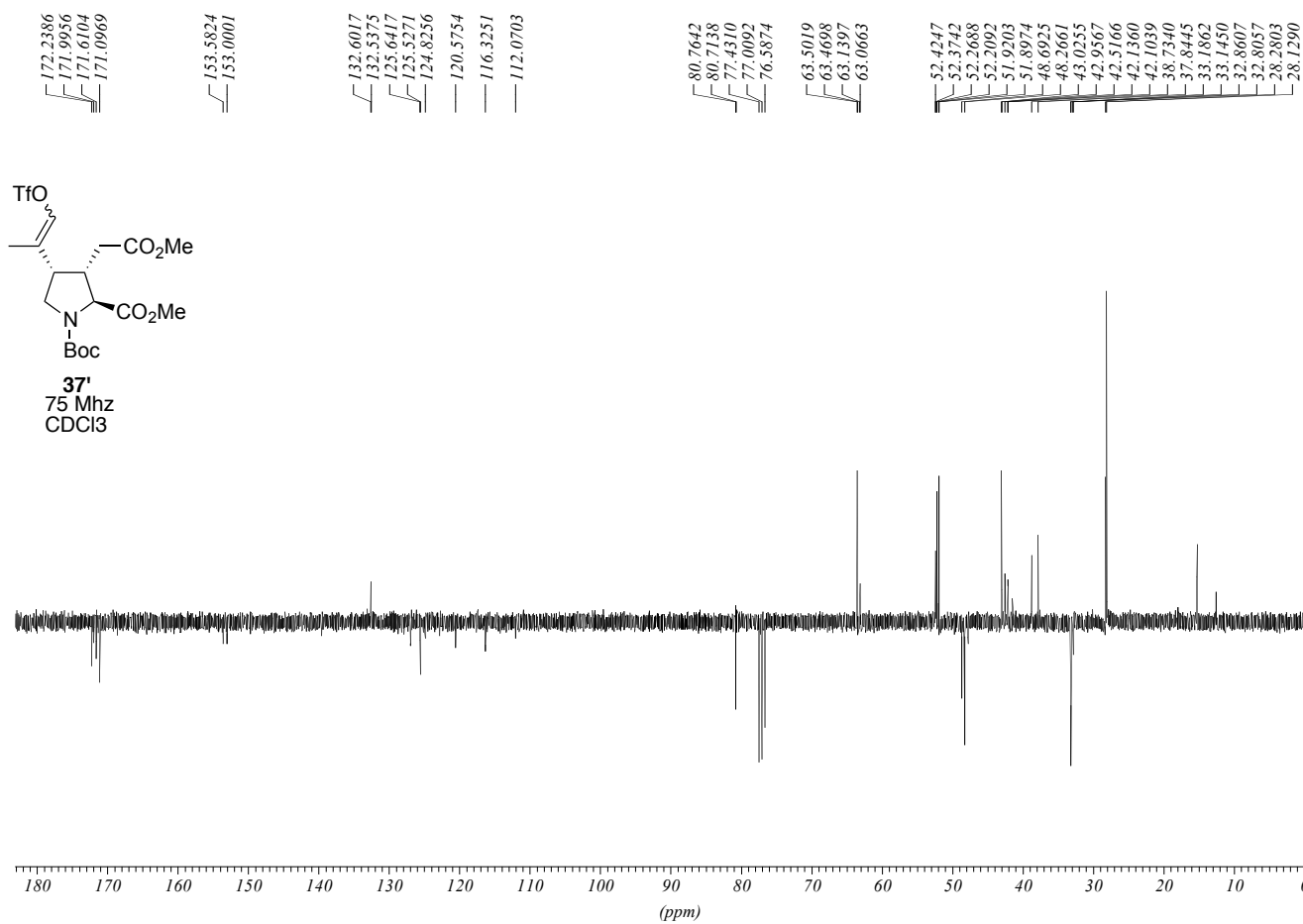


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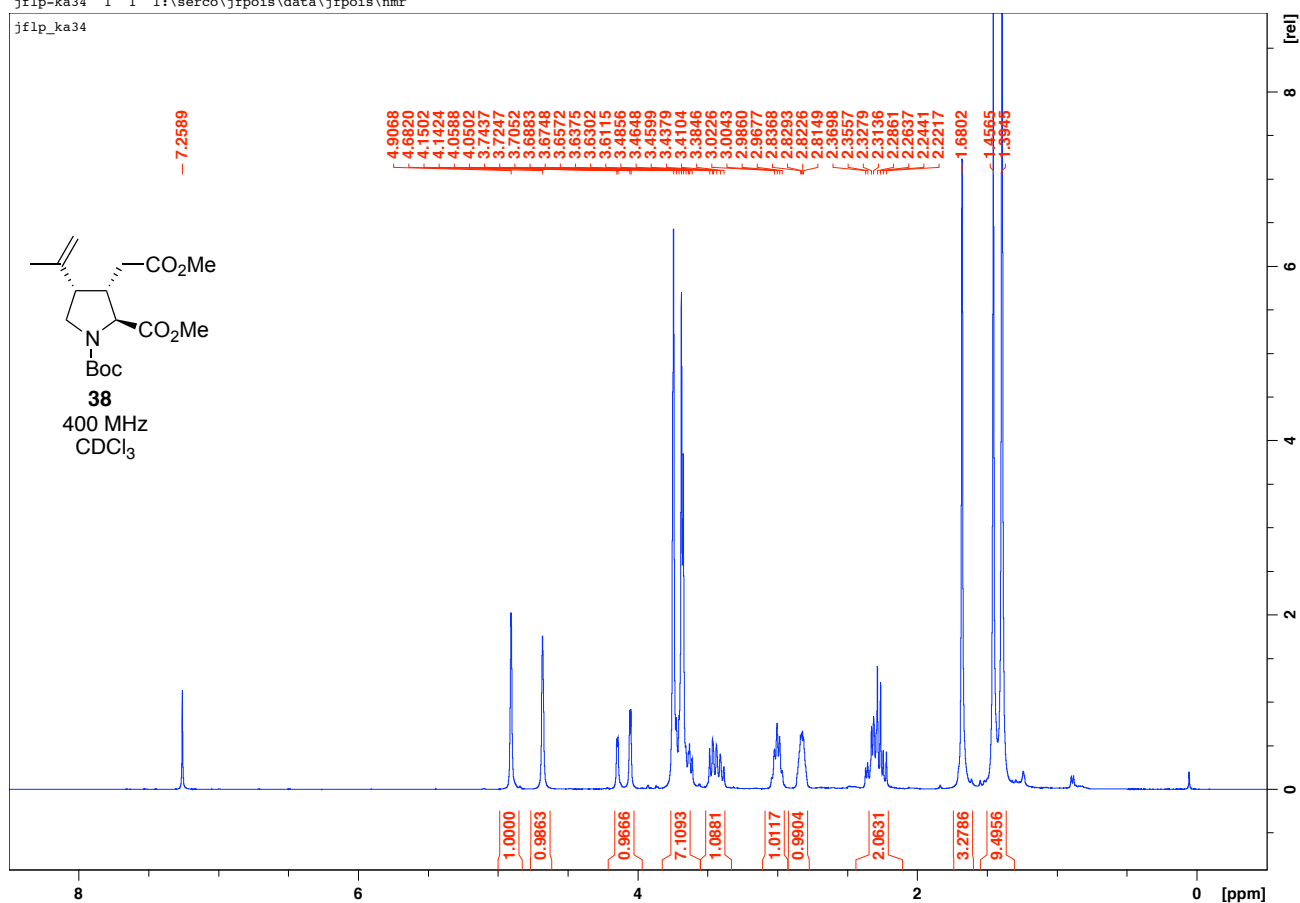


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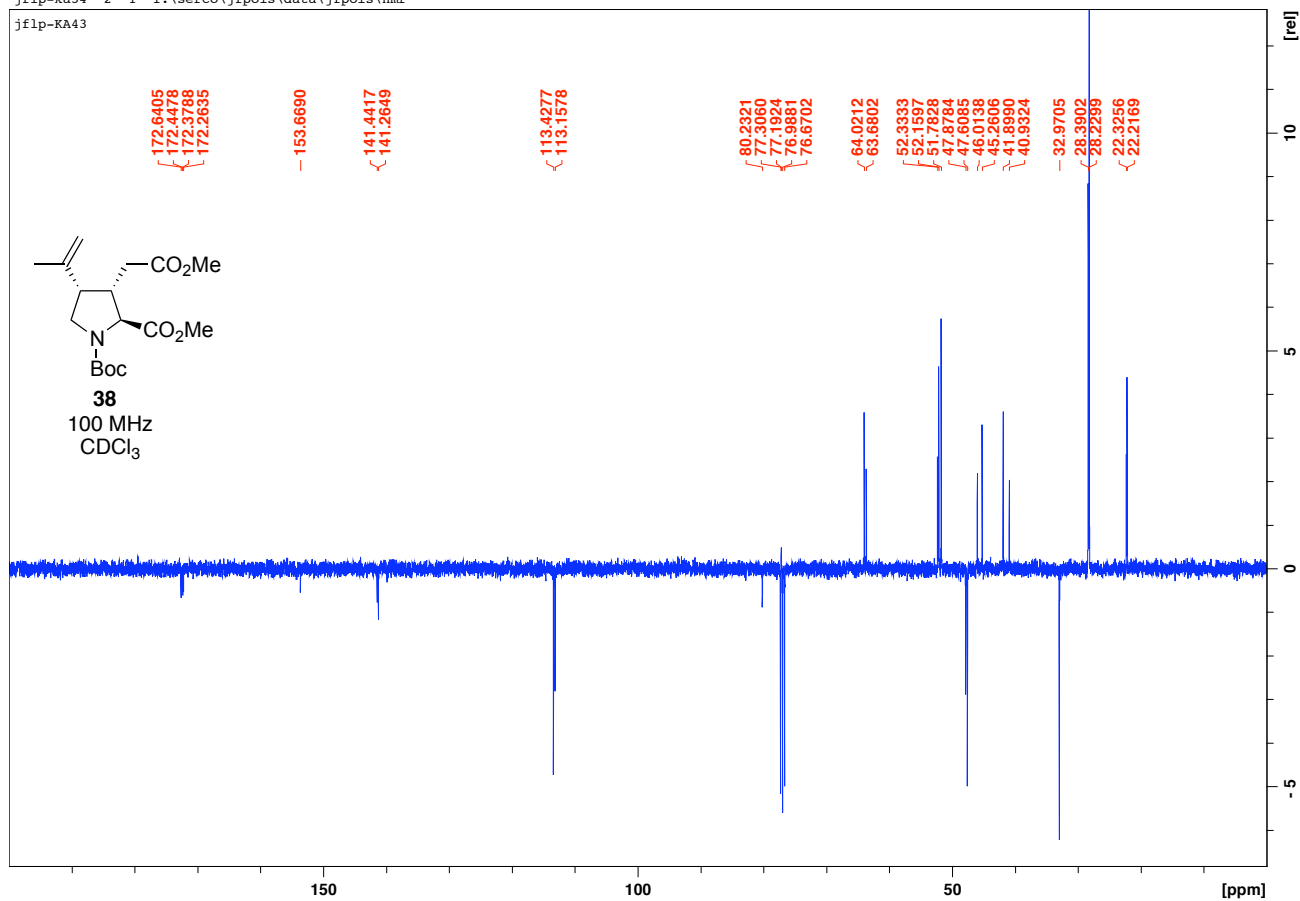
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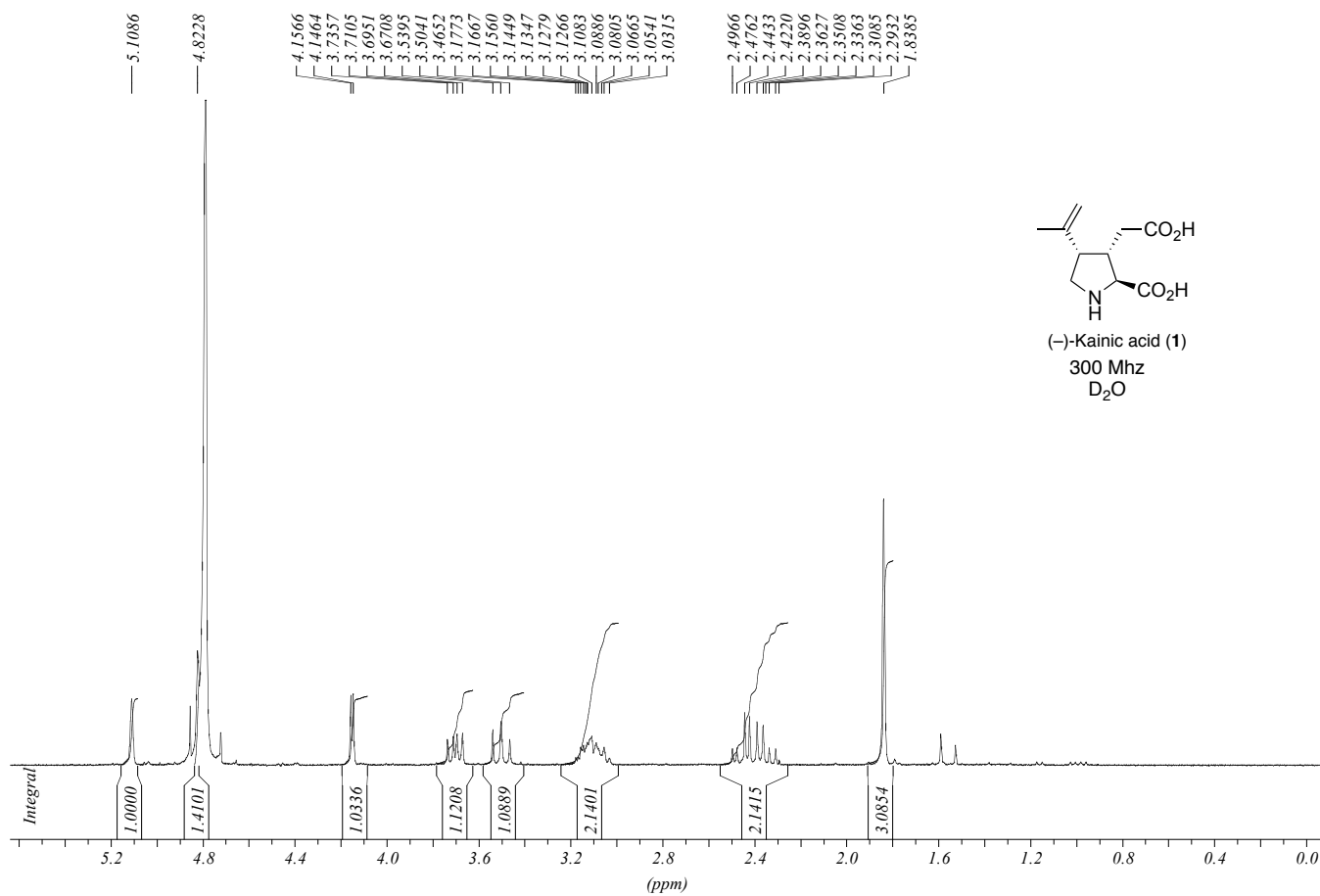
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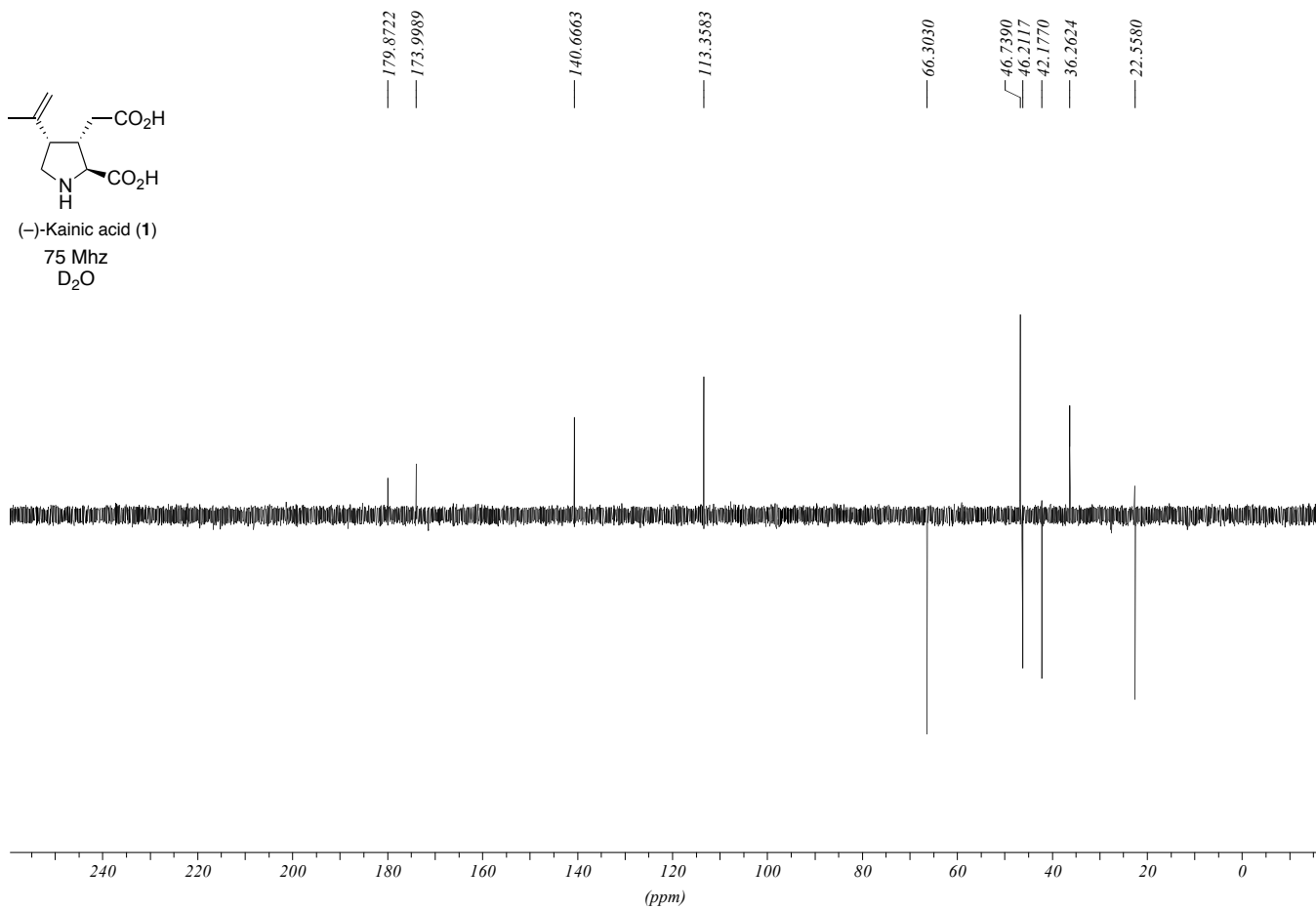
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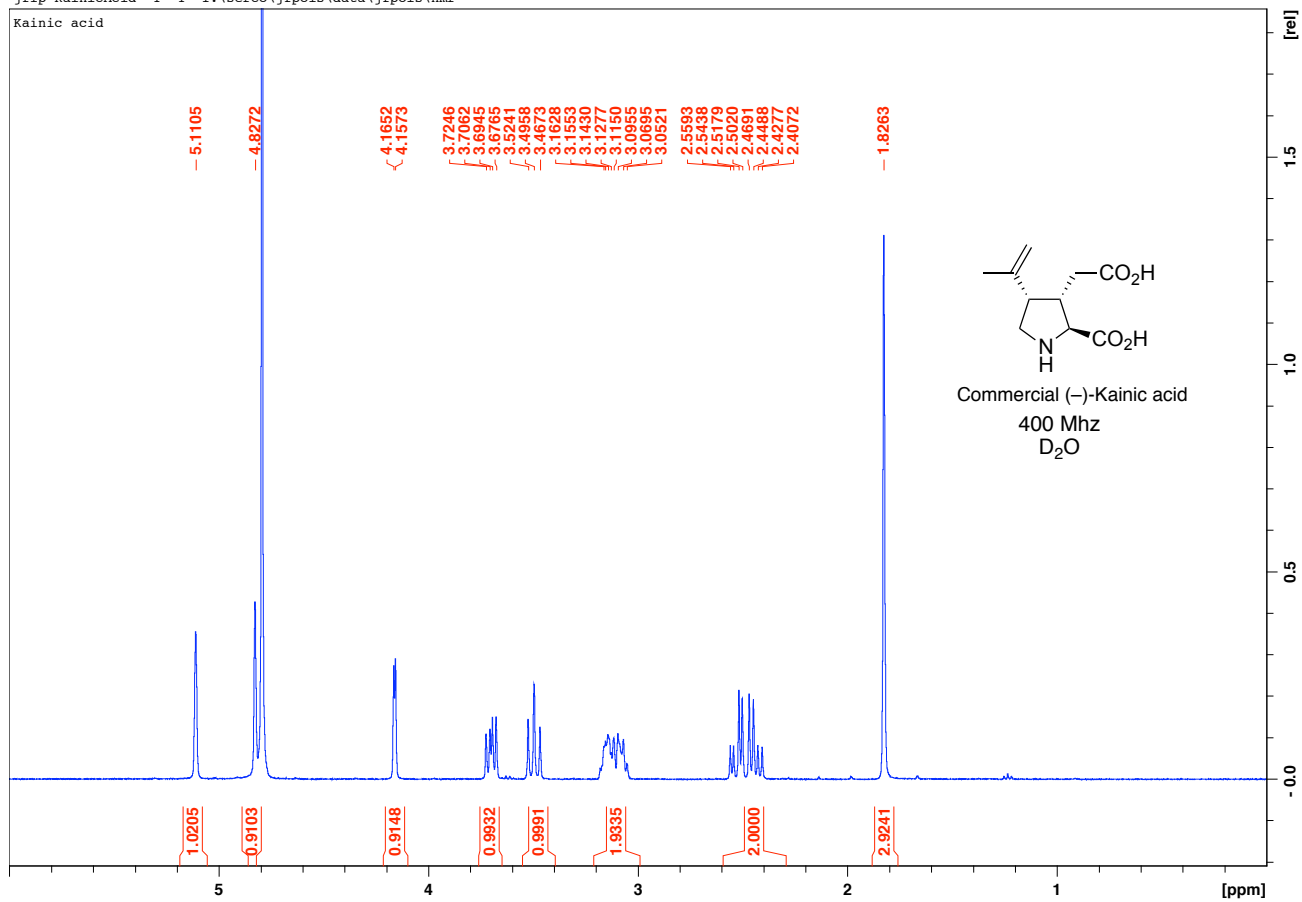




C13mult



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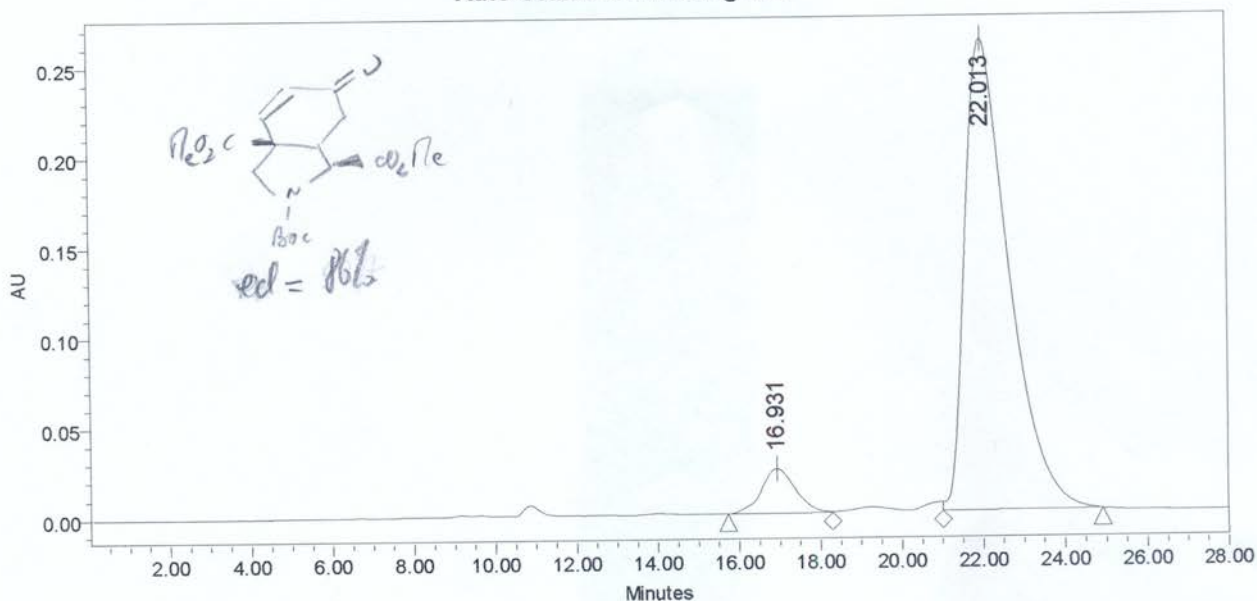
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SAMPLE INFORMATION

Sample Name: skp-diester-1
Sample Type: Unknown
Vial: 1
Injection #: 1
Injection Volume: 20.00 ul
Run Time: 28.0 Minutes
Sample Set Name:

Acquired By: System
Date Acquired: 5/5/2006 9:42:05 AM
Acq. Method Set: A1.mmm
Date Processed: 5/5/2006 10:20:04 AM
Processing Method: sushil1
Channel Name: VWin Ch1
Proc. Chnl. Descr.: PDA 254.0 nm

Auto-Scaled Chromatogram

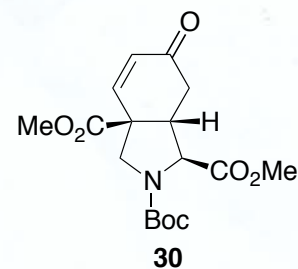


Peak Results

	Name	RT	Area	Height	Amount	Units	% Area	ApexTrack Width (sec)
1		16.931	1429363	24500			6.87	
2		22.013	19365471	260867			93.13	

PDA Result Table

	Name	RT	Purity 1 Angle	Purity 1 Threshold	Match1 Spect. Name	Match1 Angle	Match1 Threshold
1		16.931					
2		22.013					



chiral OD-H, iprOH/hex, 1:9 1ml/ml

Reported by User: System

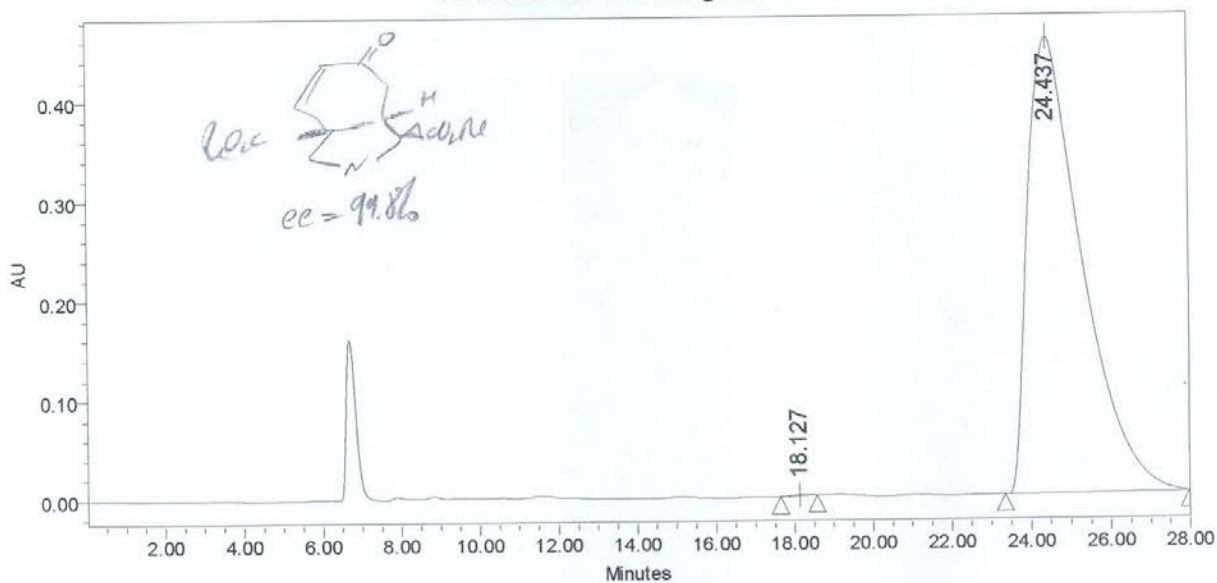
Project Name: ledss_3

SAMPLE INFORMATION

Sample Name: skp-pure-rec
Sample Type: Unknown
Vial: 1
Injection #: 1
Injection Volume: 22.00 ul
Run Time: 28.0 Minutes
Sample Set Name:

Acquired By: System
Date Acquired: 5/3/2006 11:30:41 AM
Acq. Method Set: A1.mmm
Date Processed: 5/3/2006 1:15:16 PM
Processing Method: sushil1
Channel Name: WWin Ch1
Proc. Chnl. Descr.: PDA 254.0 nm

Auto-Scaled Chromatogram

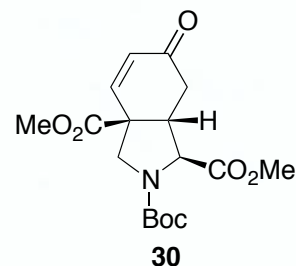


Peak Results

Name	RT	Area	Height	Amount	Units	% Area	ApexTrack Width (sec)
1	18.127	40473	1292			0.09	
2	24.437	43063738	459297			99.91	

PDA Result Table

Name	RT	Purity 1 Angle	Purity 1 Threshold	Match1 Spect. Name	Match1 Angle	Match1 Threshold
1	24.437					
2	18.127					



Reported by User: System

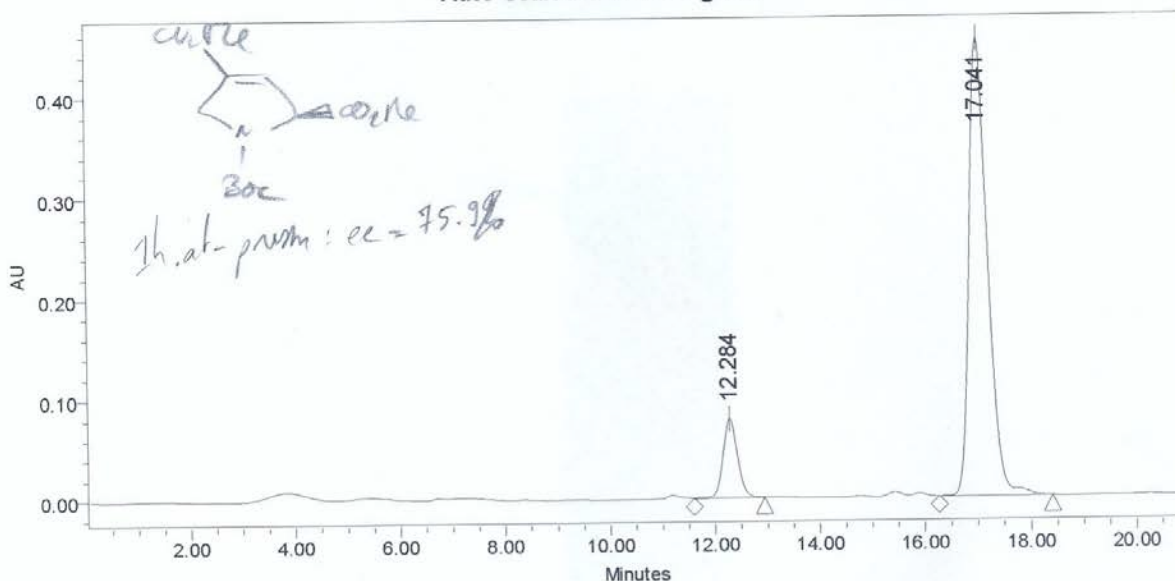
Project Name: ledss_3

SAMPLE INFORMATION

Sample Name: skpD.18a.1
Sample Type: Unknown
Vial: 1
Injection #: 2
Injection Volume: 25.00 ul
Run Time: 21.0 Minutes
Sample Set Name:

Acquired By: System
Date Acquired: 6/11/2007 7:43:49 PM
Acq. Method Set: B100%05mL
Date Processed: 6/11/2007 8:06:26 PM
Processing Method: q
Channel Name: VWin Ch21
Proc. Chnl. Descr.: PDA 254.0 nm

Auto-Scaled Chromatogram

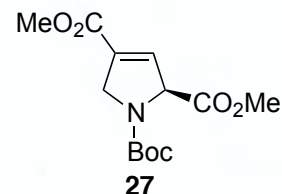


Peak Results

Name	RT	Area	Height	Amount	Units	% Area	ApexTrack Width (sec)
1	12.284	1500250	78403			12.04	
2	17.041	10960756	454131			87.96	

PDA Result Table

Name	RT	Purity 1 Angle	Purity 1 Threshold	Match1 Spect. Name	Match1 Angle	Match1 Threshold
1	12.284					
2	17.041					



chiral AD-H Hex : : hot 9:1 0.5ml/min

Reported by User: System

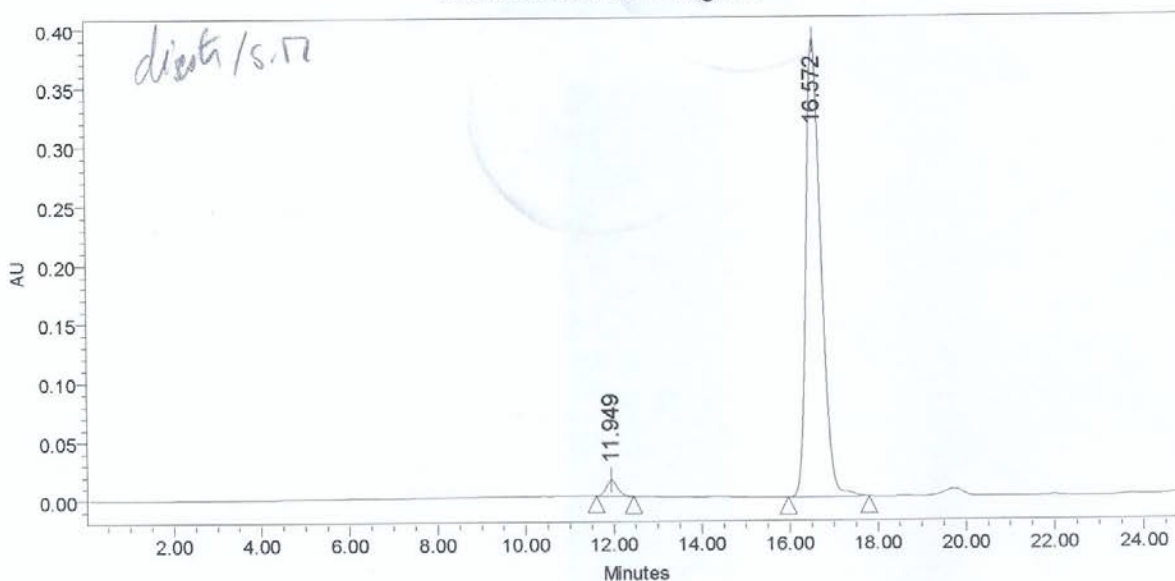
Project Name: ledss_3

SAMPLE INFORMATION

Sample Name: skpD.16a.1
Sample Type: Unknown
Vial: 1
Injection #: 1
Injection Volume: 25.00 ul
Run Time: 25.0 Minutes
Sample Set Name:

Acquired By: System
Date Acquired: 6/11/2007 6:14:57 PM
Acq. Method Set: B100%05mL
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Channel Name: VVln Ch19
Proc. Chnl. Descr.: PDA 254.0 nm

Auto-Scaled Chromatogram

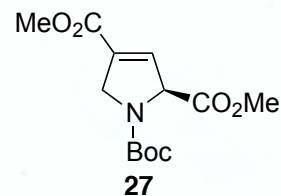


Peak Results

Name	RT	Area	Height	Amount	Units	% Area	ApexTrack Width (sec)
1	11.949	248991	13946			2.63	
2	16.572	9202492	389125			97.37	

PDA Result Table

Name	RT	Purity 1 Angle	Purity 1 Threshold	Match1 Spect. Name	Match1 Angle	Match1 Threshold
1	11.949					
2	16.572					



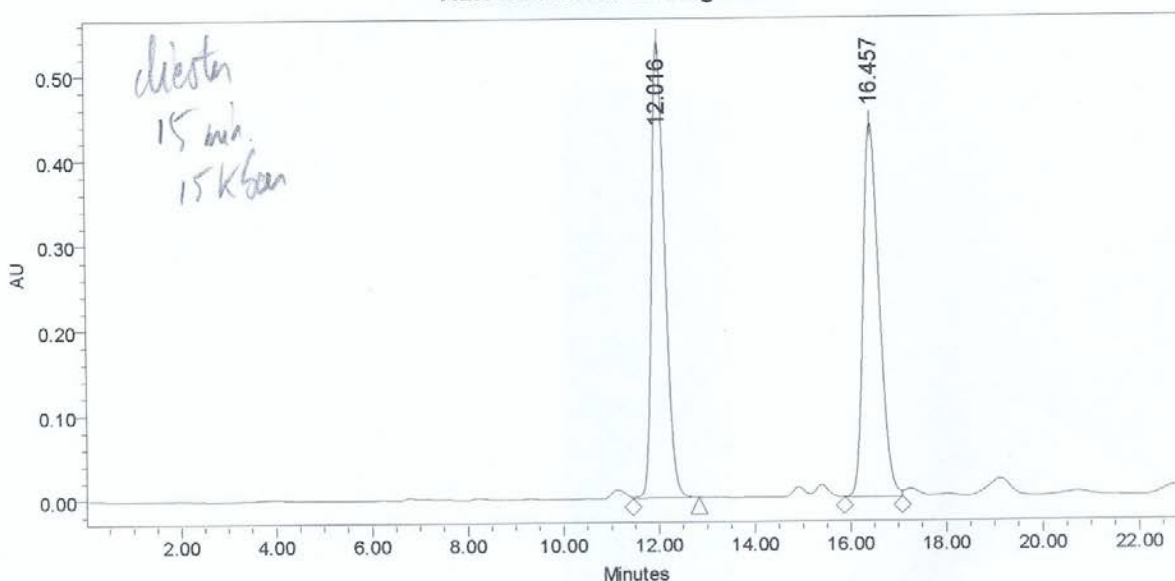
Reported by User: System

Project Name: ledss_3

SAMPLE INFORMATION

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Sample Type: Unknown	Date Acquired: 6/12/2007 12:21:32 PM	Acq. Method Set: B100%05mL
Vial: 1	Acq. Method Set: B100%05mL	Date Processed: 6/12/2007 12:48:25 PM
Injection #: 2	Date Processed: 6/12/2007 12:48:25 PM	Processing Method: q
Injection Volume: 25.00 ul	Processing Method: q	Channel Name: VWin Ch23
Run Time: 23.0 Minutes	Channel Name: VWin Ch23	Proc. Chnl. Descr.: PDA 254.0 nm
Sample Set Name:	Proc. Chnl. Descr.: PDA 254.0 nm	

Auto-Scaled Chromatogram



Peak Results

Name	RT	Area	Height	Amount	Units	% Area	ApexTrack Width (sec)
1	12.016	10267391	537956			49.84	
2	16.457	10333739	440224			50.16	

PDA Result Table

Name	RT	Purity 1 Angle	Purity 1 Threshold	Match1 Spect. Name	Match1 Angle	Match1 Threshold
1	12.016					
2	16.457					

