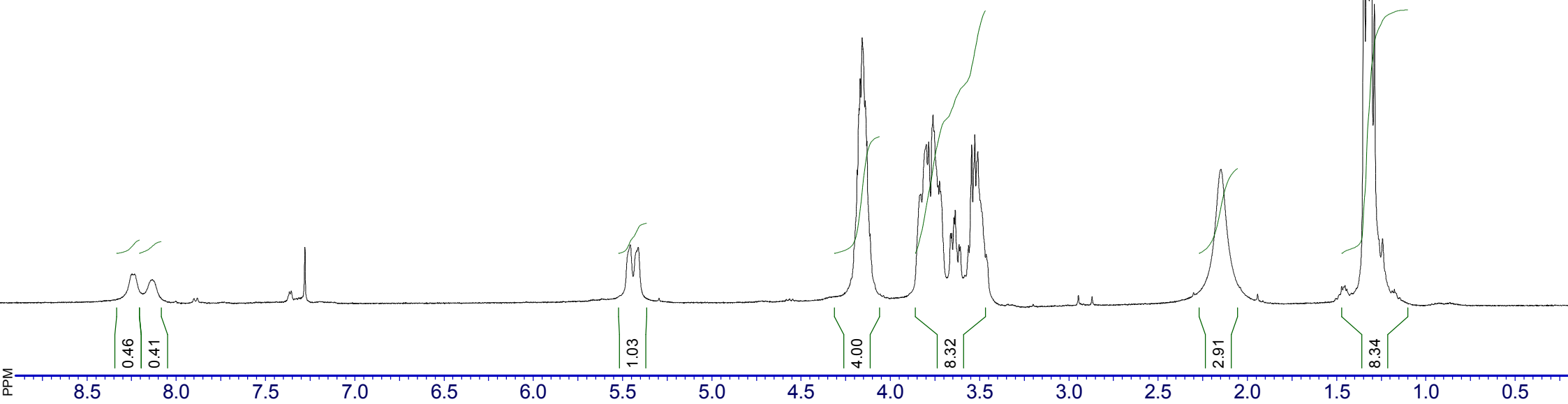
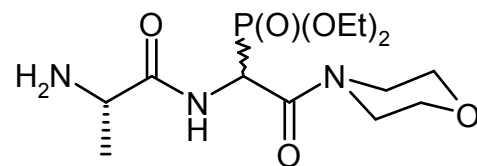
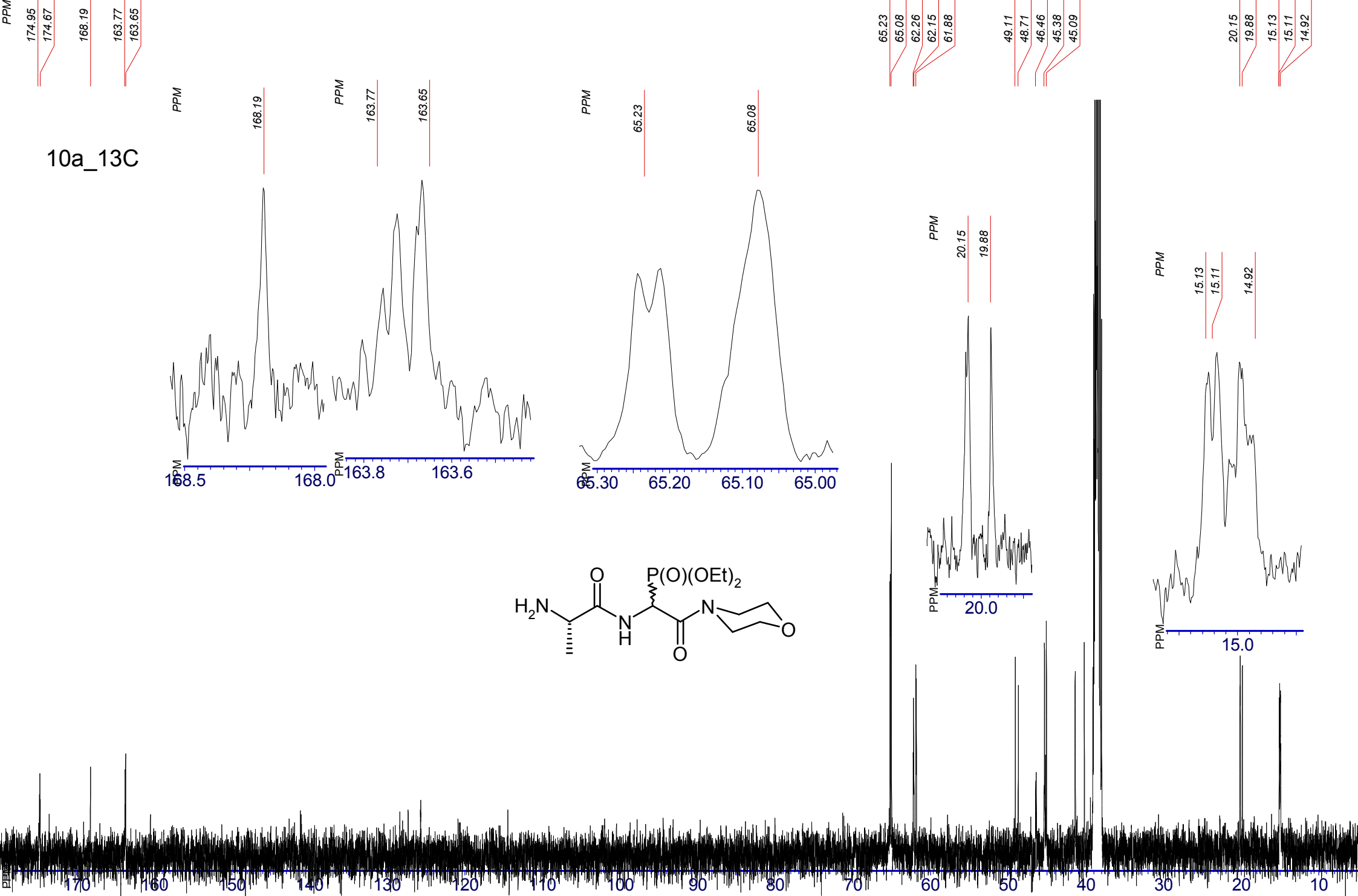


10a

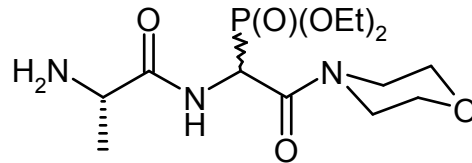




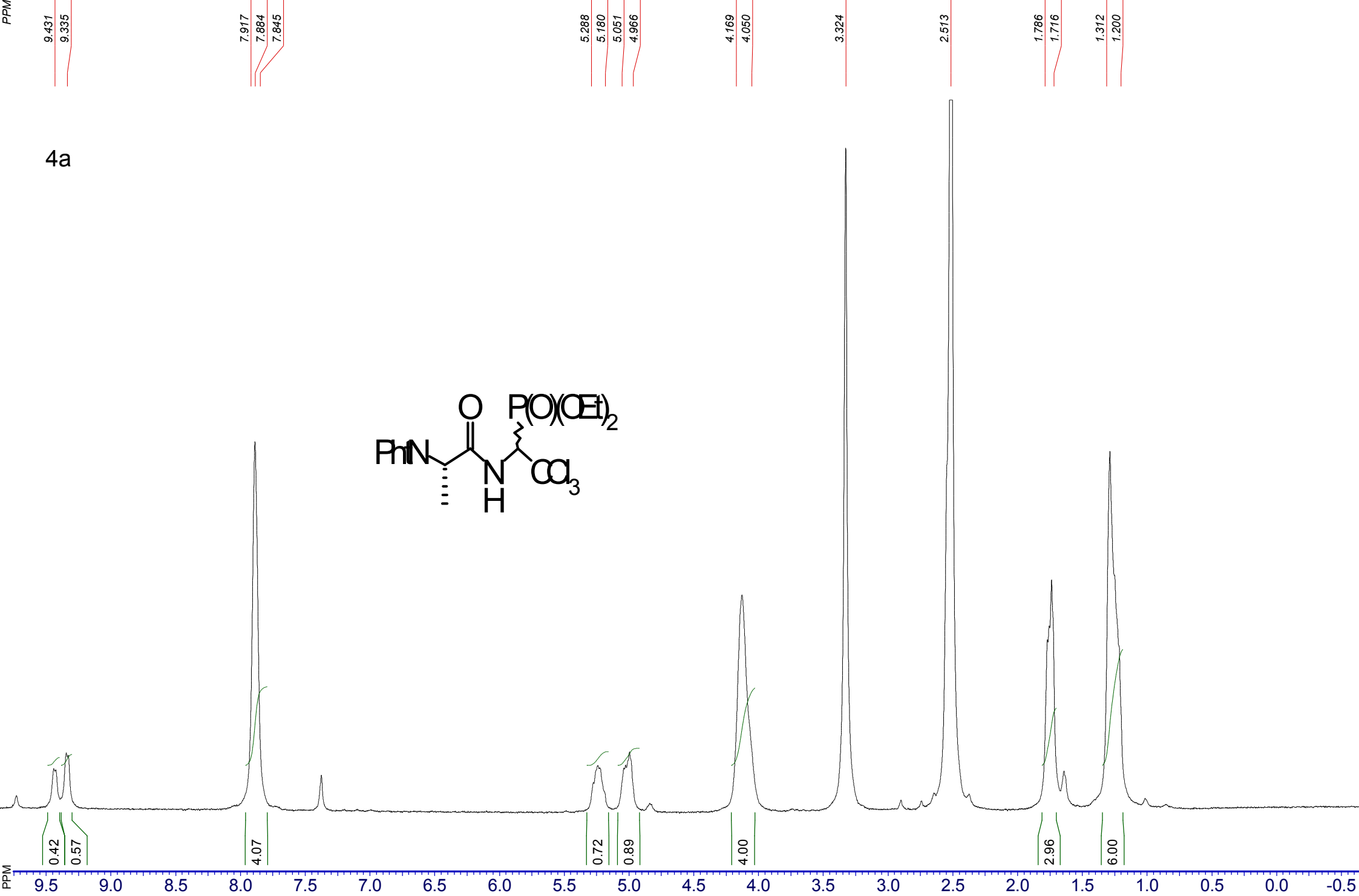
17.53

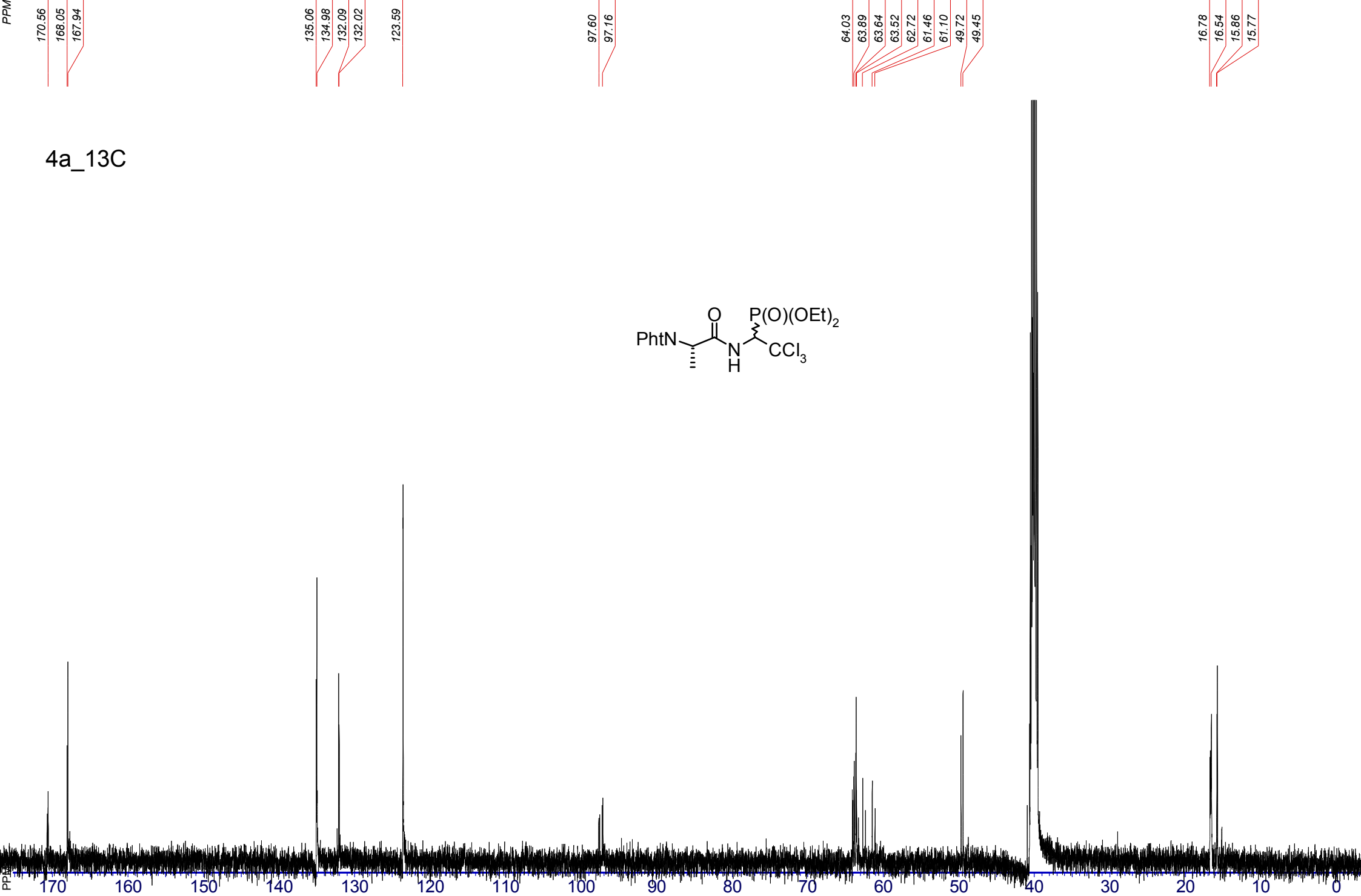
17.34

10a_31P



18.0 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 16.2 16.0 15.8 15.6 15.4 15.2



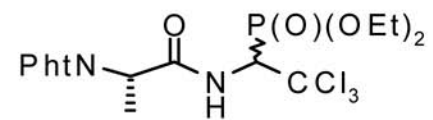


PPM

14.56

14.28

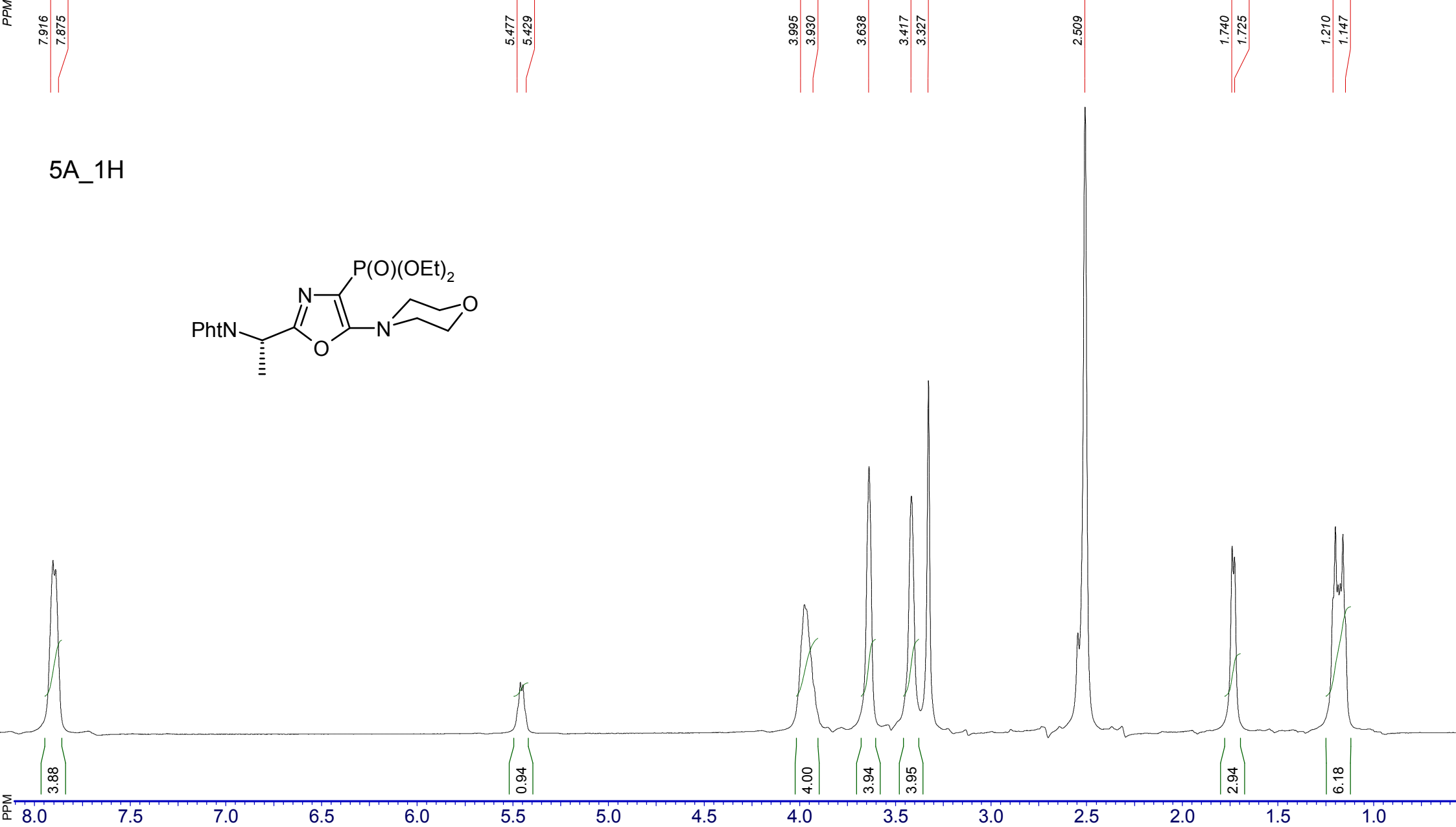
4a_31P-2



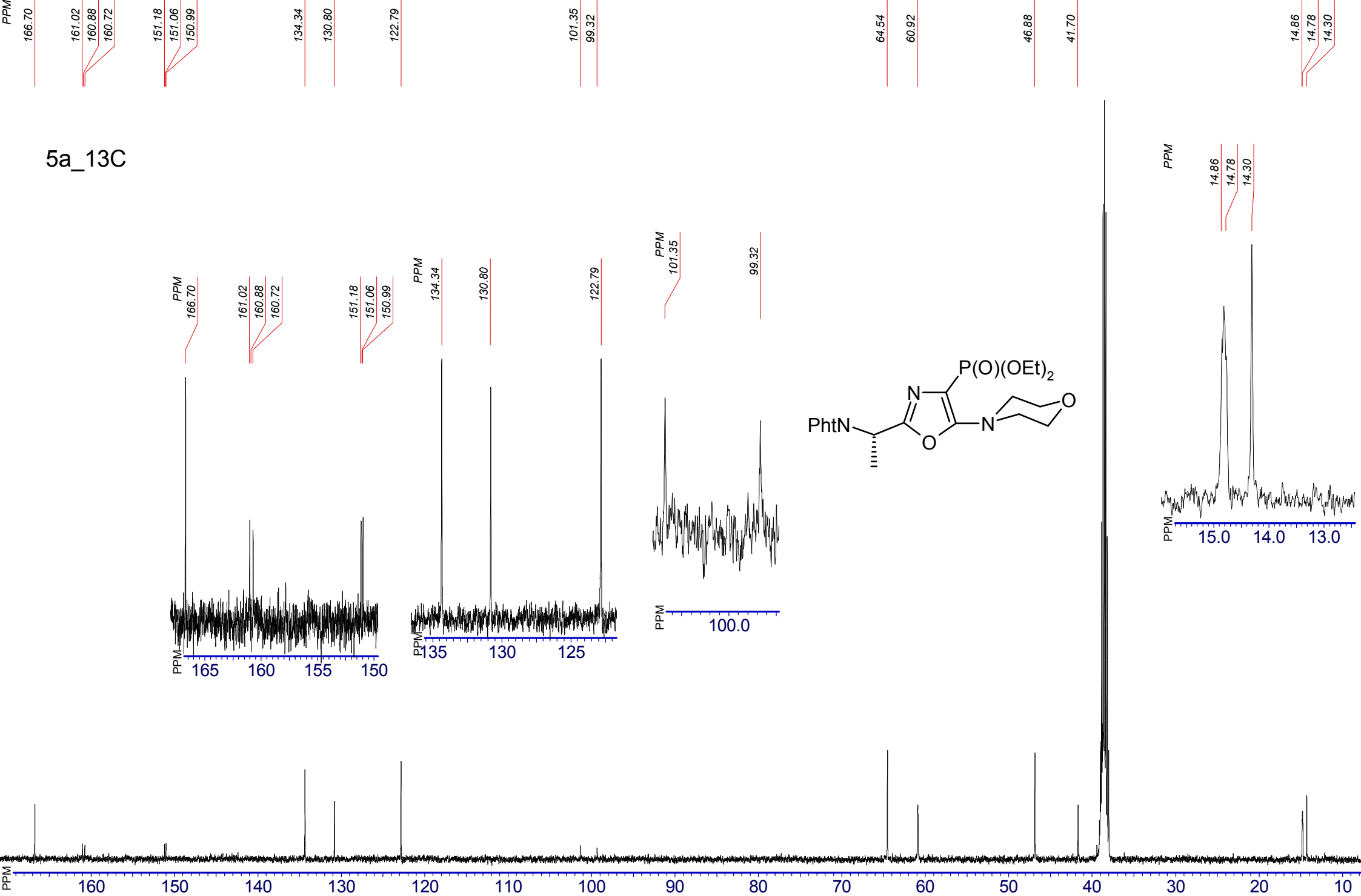
PPM

1.00

0.70

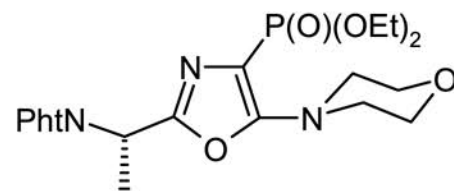


5a_13C



PPM

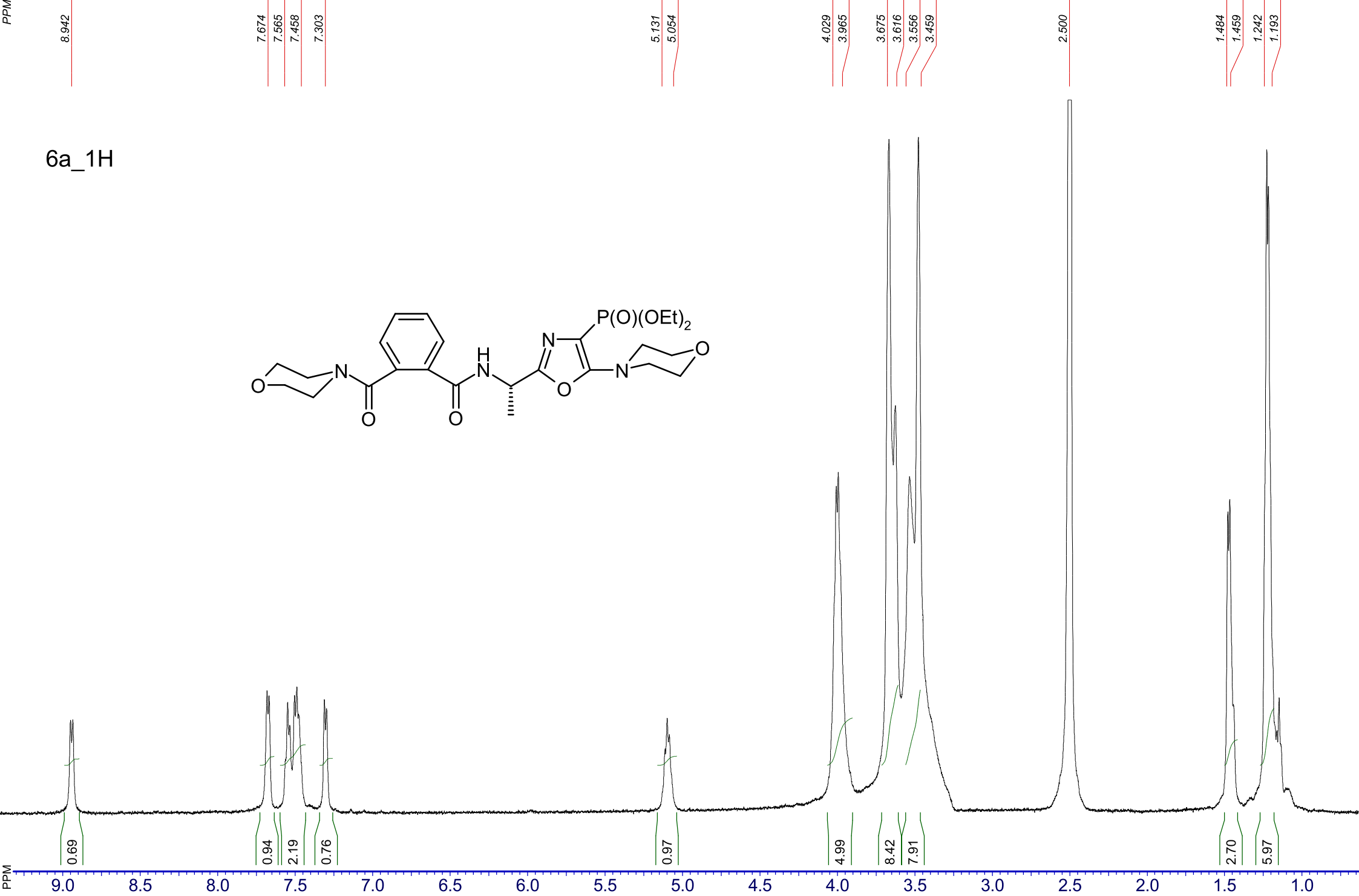
5a



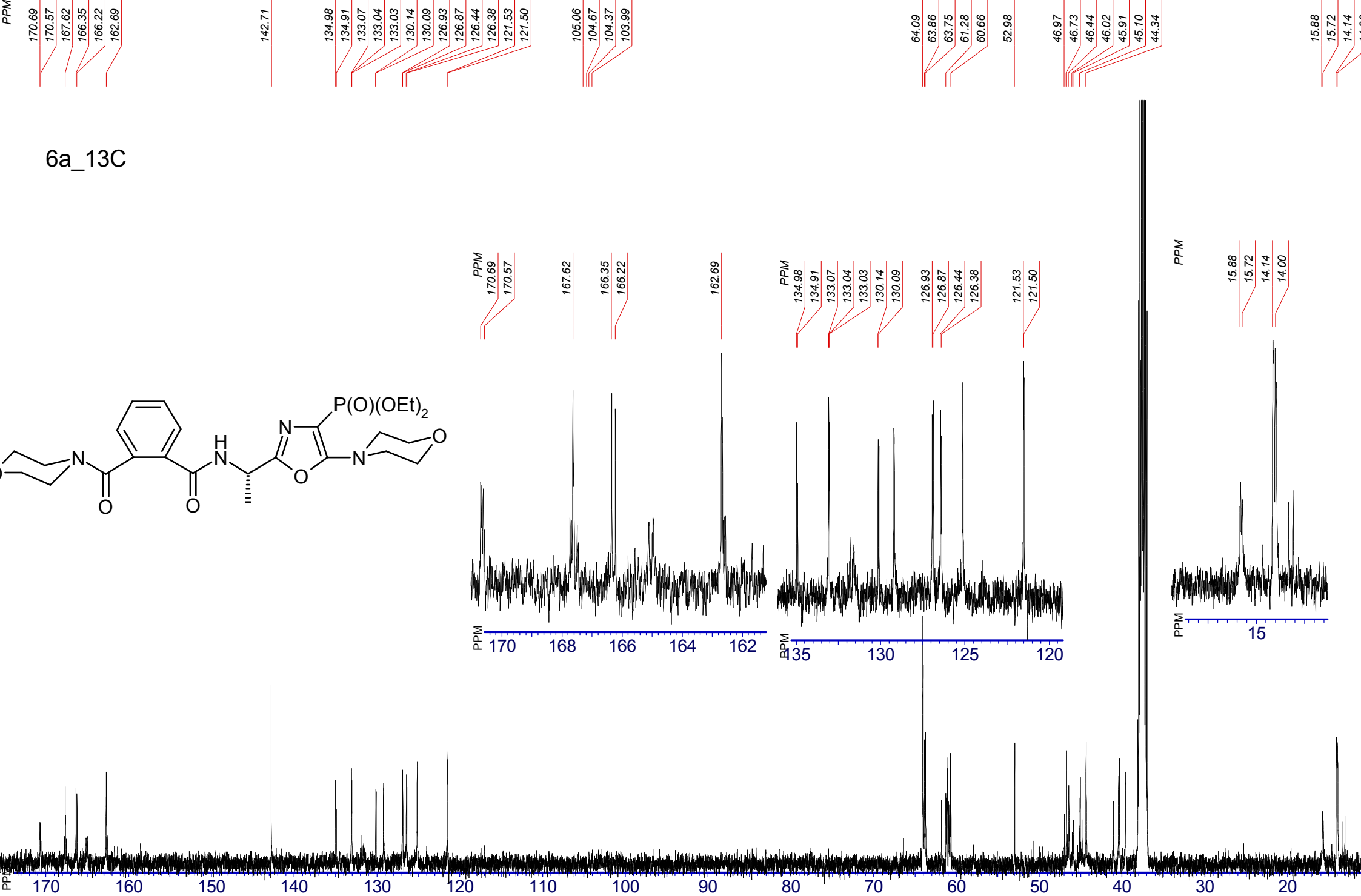
12.40

PPM

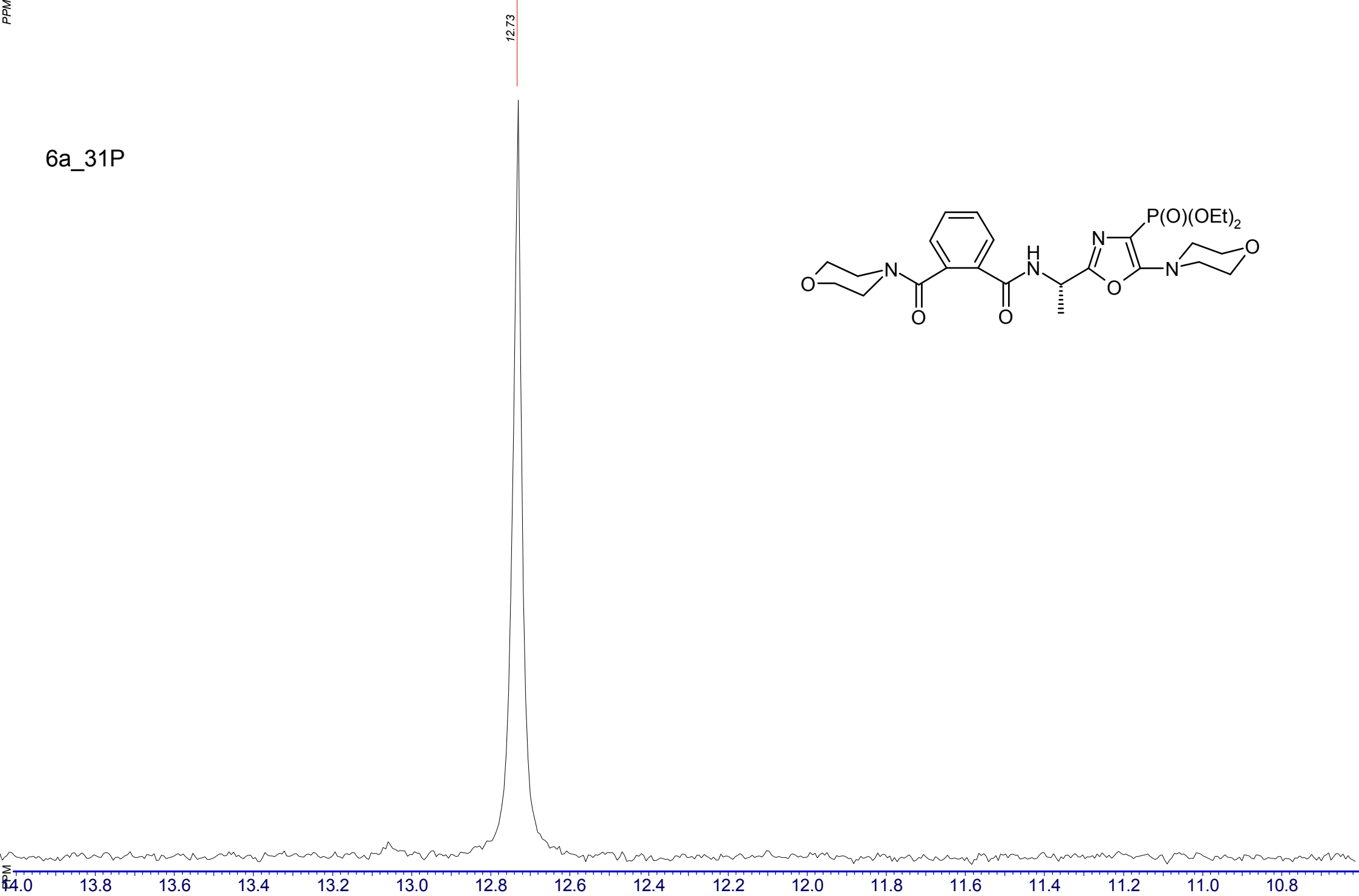
13.8 13.6 13.4 13.2 13.0 12.8 12.6 12.4 12.2 12.0 11.8 11.6 11.4 11.2 11.0 10.8 10.6

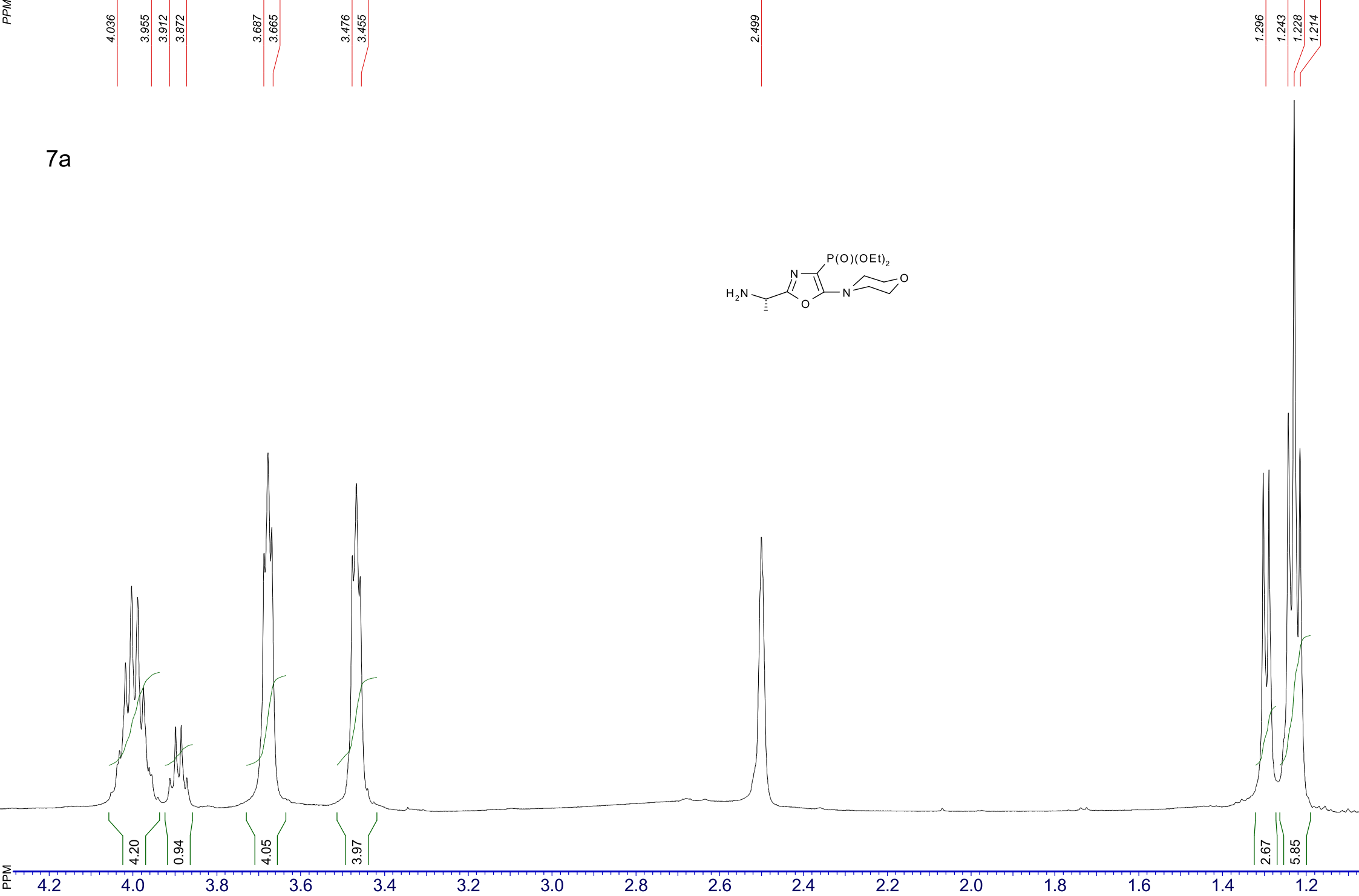


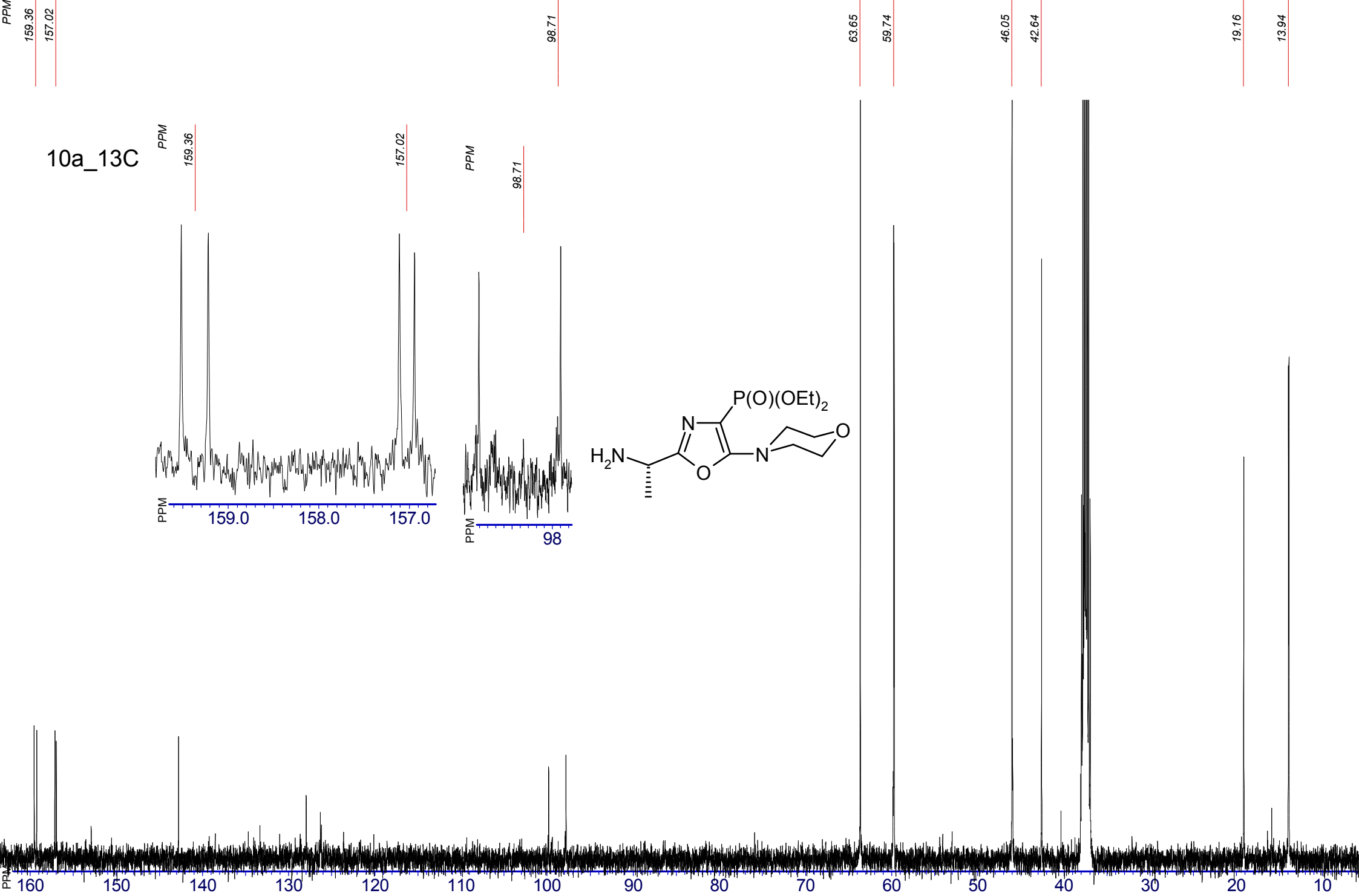
6a_13C



6a_31P



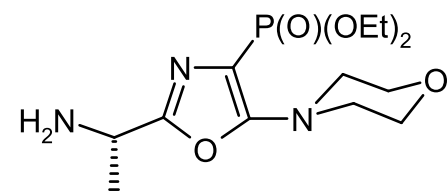




PPM

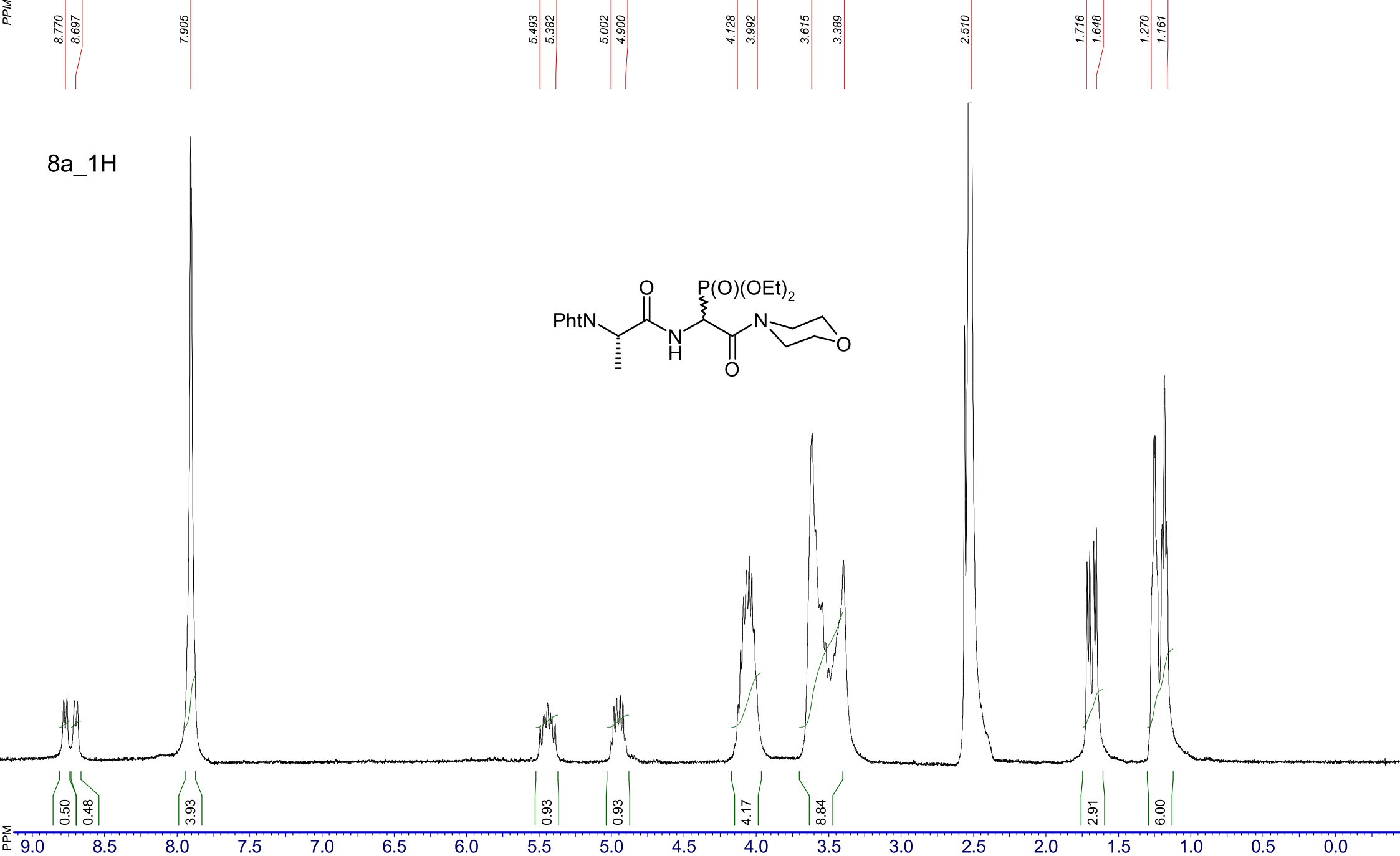
7a

12.29

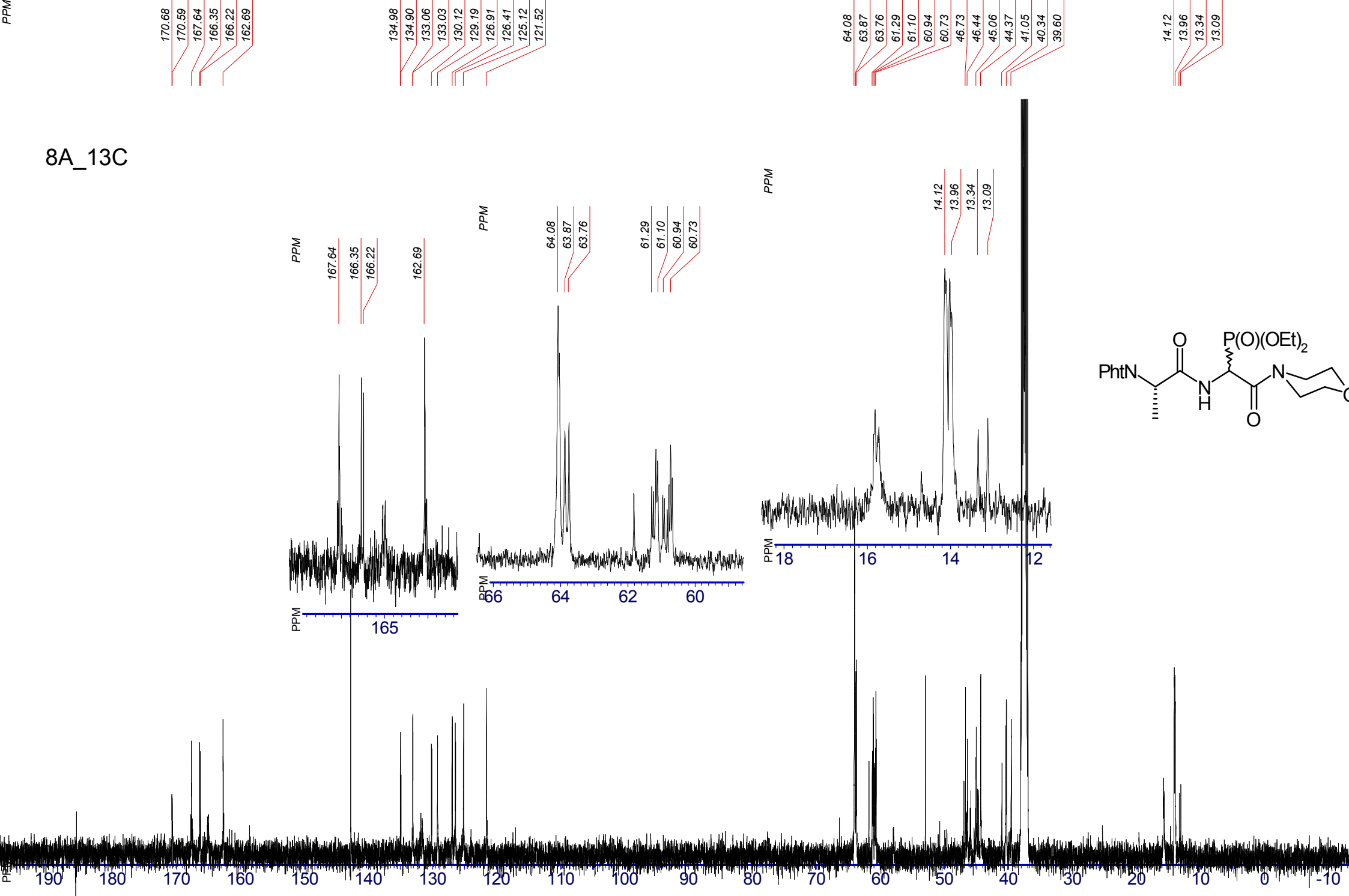


PPM

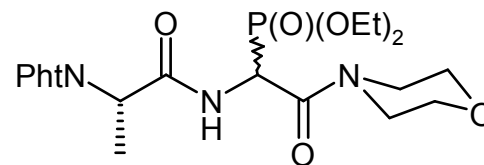
13.8 13.6 13.4 13.2 13.0 12.8 12.6 12.4 12.2 12.0 11.8 11.6 11.4 11.2 11.0 10.8 10.6



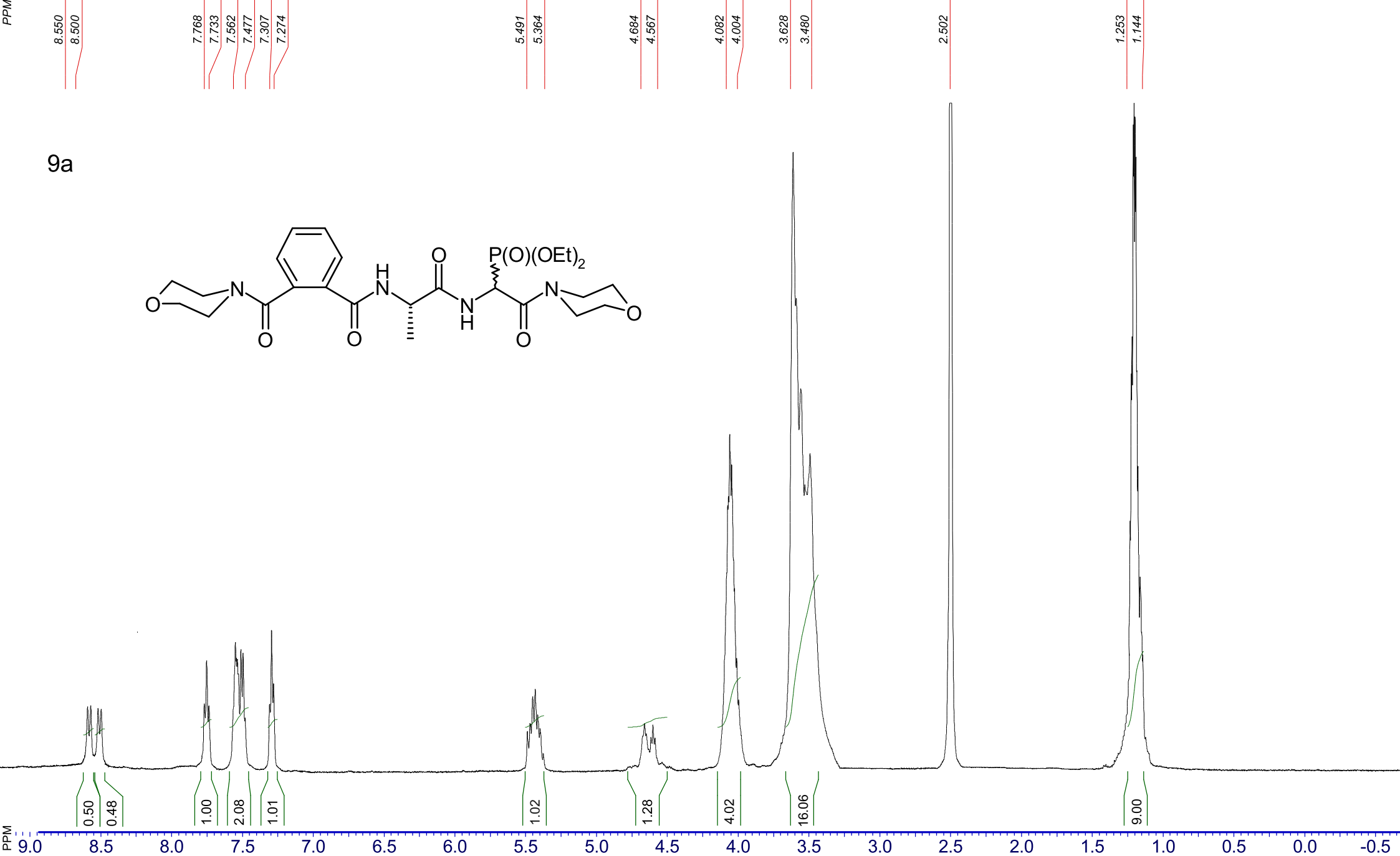
File name: iggsn-731	Owner:	SF: 399.0000 MHz	NS:	SI: 32768, TD: 18040
Date: Неприпустимий параметр дати та часу.	Solvent: dms0_d6	SW: 6802	TE: 293	

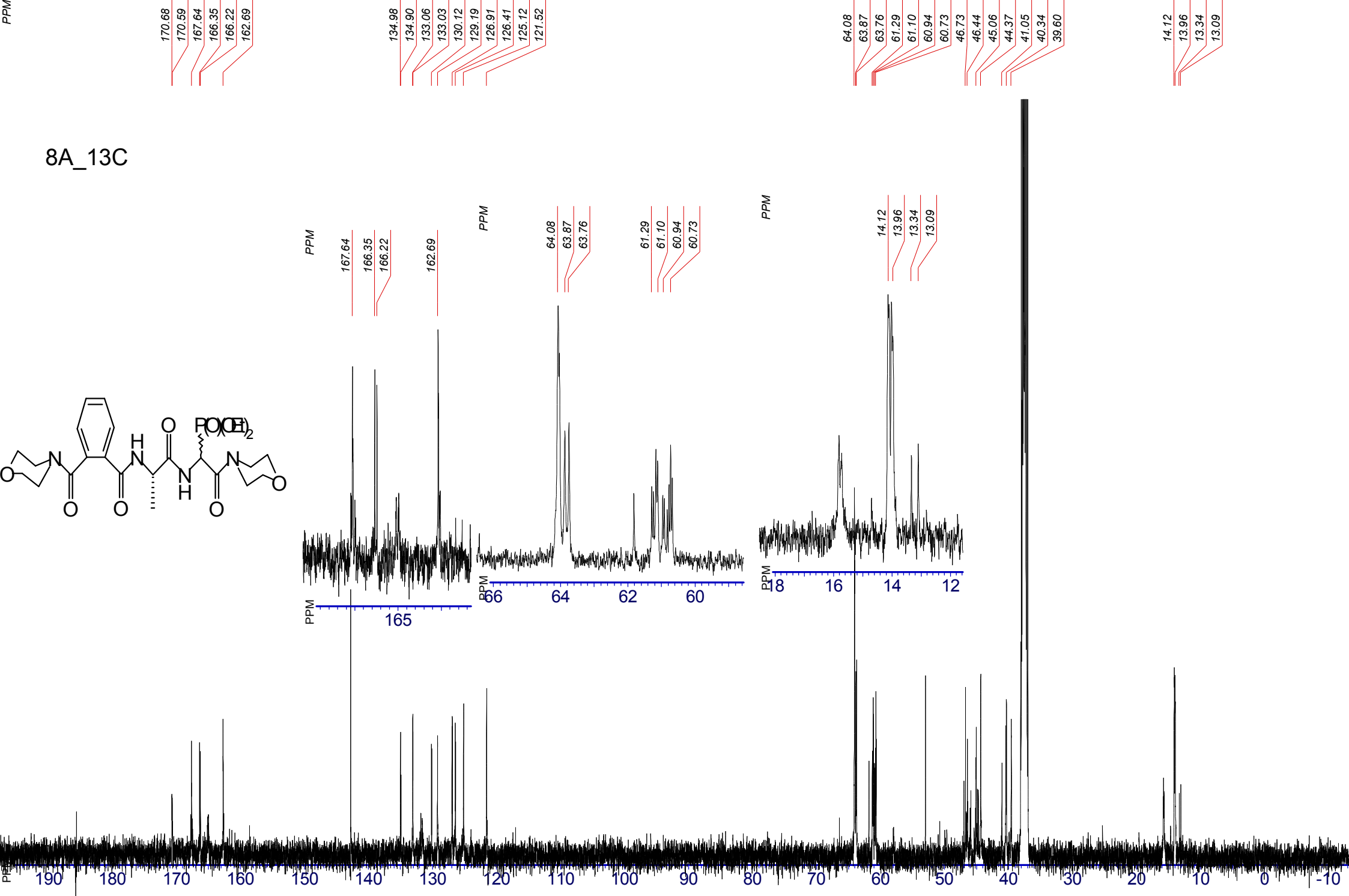


8a_31P

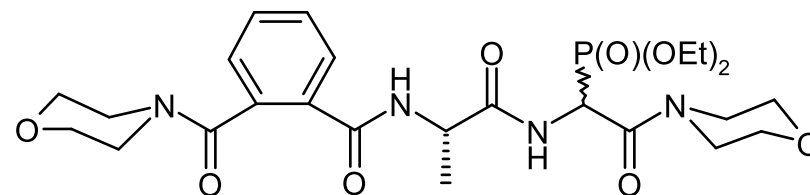


File name: iggsnl-731-P31{H}	Owner: root	SF: 202.4362 MHz	NS: 0	SI: 65536, TD: 131072
Date: 30-Dec-1899	Solvent:	SW: 80645	TE: 0	Parameter file, XWIN-NMRVersion 3.5





9a



File name: IGgsnl-918_{P31}

Owner: root

SF: 202.0000 MHz

NS: 35

SI: 65536, TD: 131072

Date: 22-Nov-2013

Solvent: CDCL₃

SW: 80645

TE: 0

Parameter file, XWIN-NMRVersion 3.5

OJ Hexane(0.1% EDA)-IPA 70-30, 0.44 ml/min 23C

Injection Date : 11/20/2013 1:01:29 PM

Sample Name : 259_L_ Location : Vial 49

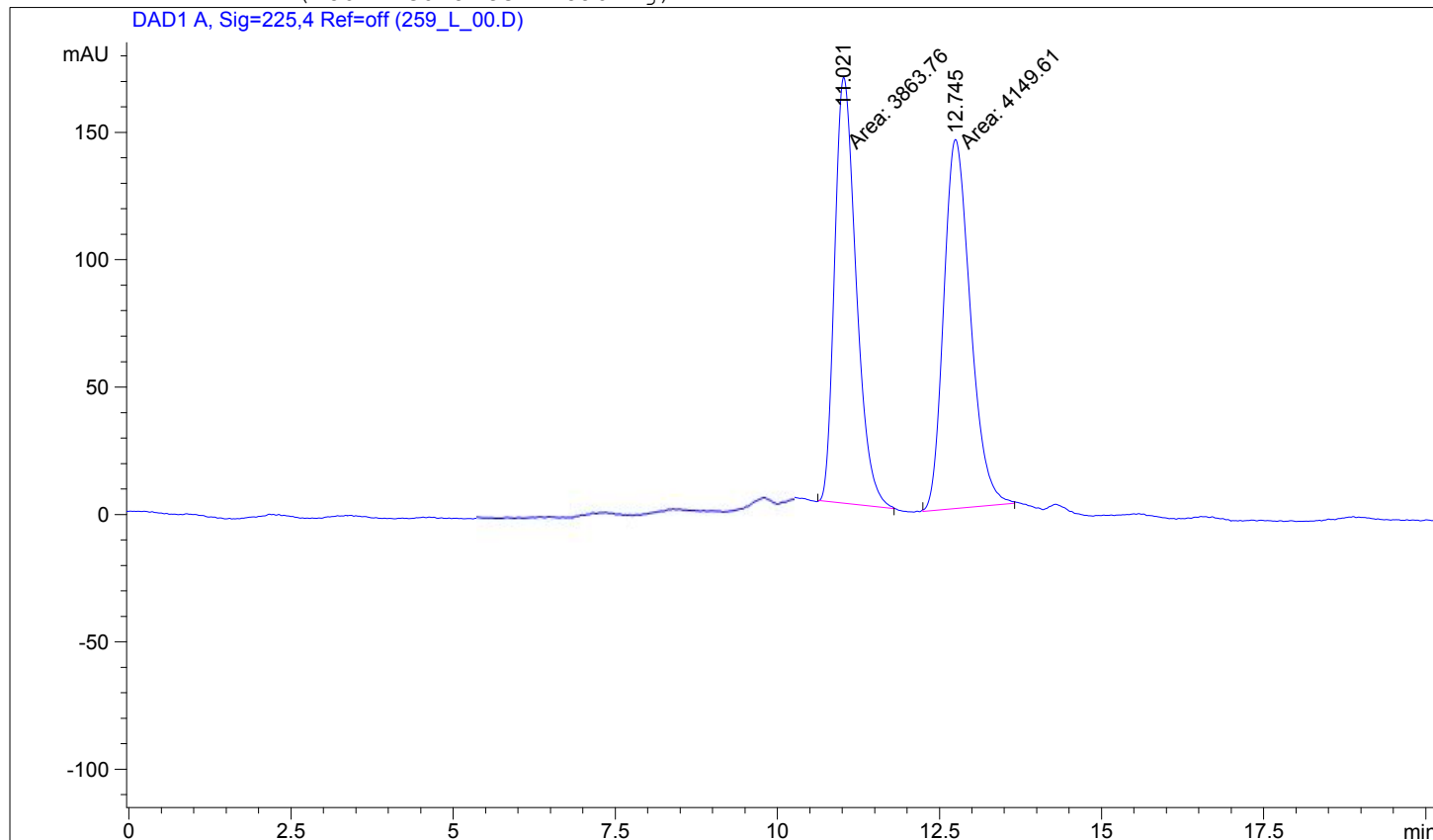
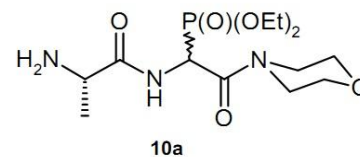
Acq. Operator : Natalie

Inj Volume : 3 µl

Acq. Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 11/20/2013 1:01:30 PM by Natalie
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 11/20/2013 2:13:09 PM by Natalie
(modified after loading)

Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=225,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	11.021	MM	0.3851	3863.76001	167.20692	48.2164
2	12.745	MM	0.4771	4149.61182	144.96394	51.7836

Totals : 8013.37183 312.17087

Results obtained with enhanced integrator!

*** End of Report ***

OJ Hexane(0.1% EDA)-IPA 70-30, 0.44 ml/min 23C

Injection Date : 11/20/2013 12:32:47 PM

Sample Name : 259_DL_

Location : Vial 48

Acq. Operator : Natalie

Inj Volume : 3 µl

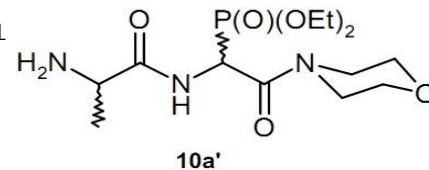
Acq. Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 11/20/2013 12:31:31 PM by Natalie

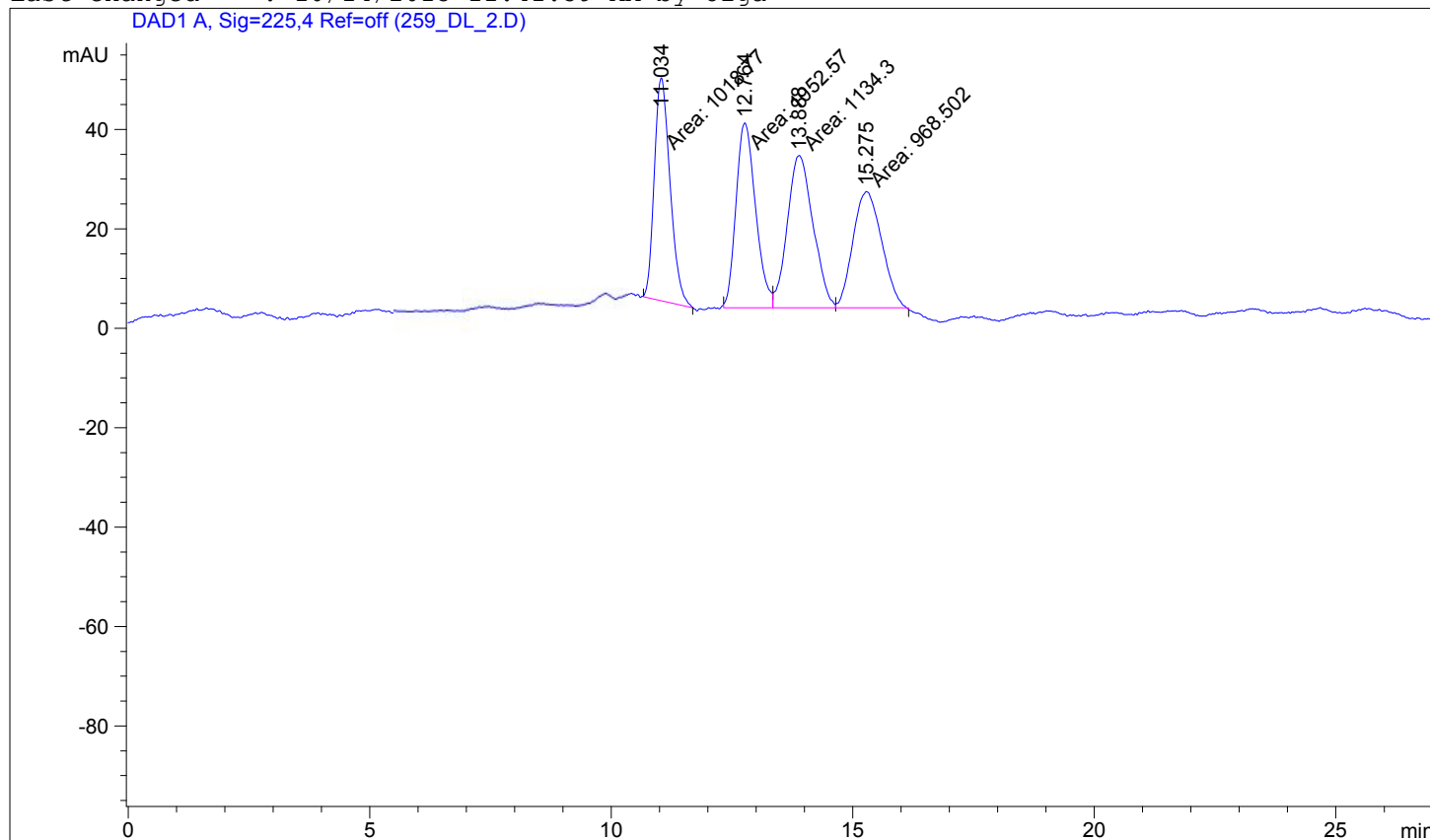
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 10/14/2013 11:41:39 AM by Olga



10a'



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=225,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	11.034	MM	0.3789	1018.77441	44.81825	24.4068
2	12.764	MM	0.4711	1052.57410	37.23709	25.2165
3	13.888	MM	0.6161	1134.29687	30.68584	27.1743
4	15.275	MM	0.6893	968.50171	23.41796	23.2024

Totals : 4174.14709 136.15914

Results obtained with enhanced integrator!

*** End of Report ***

IA Hexane-IPA 90-10 0.6 ml/min 23C

Injection Date : 5/8/2014 1:49:46 PM

Sample Name : 332_L

Location : Vial 54

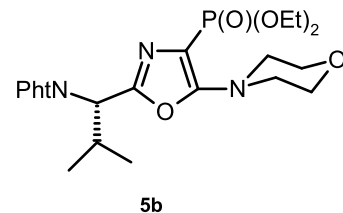
Acq. Operator : Natalie

Inj Volume : 1 µl

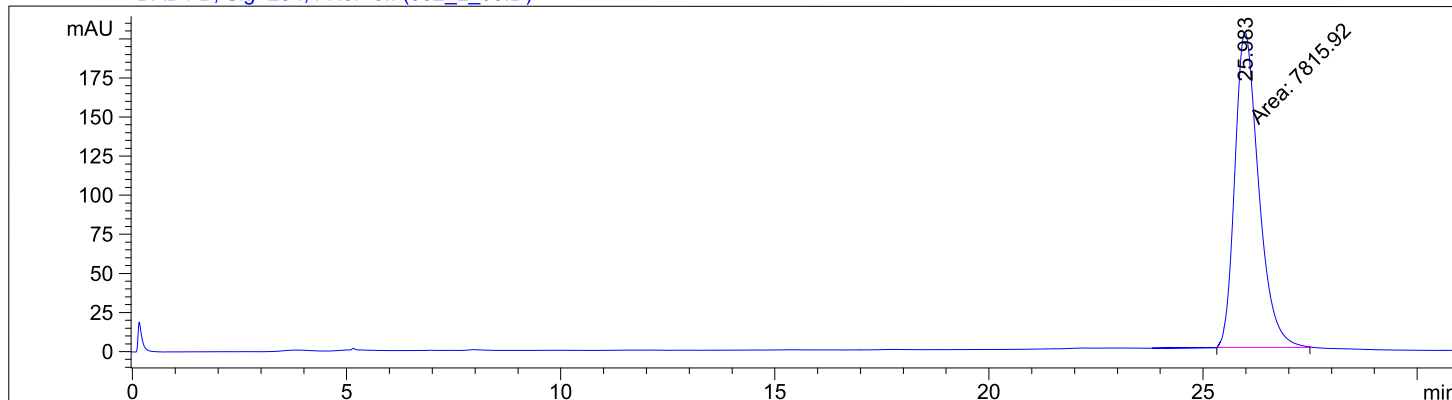
Acq. Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 5/8/2014 12:18:38 PM by Natalie
(modified after loading)

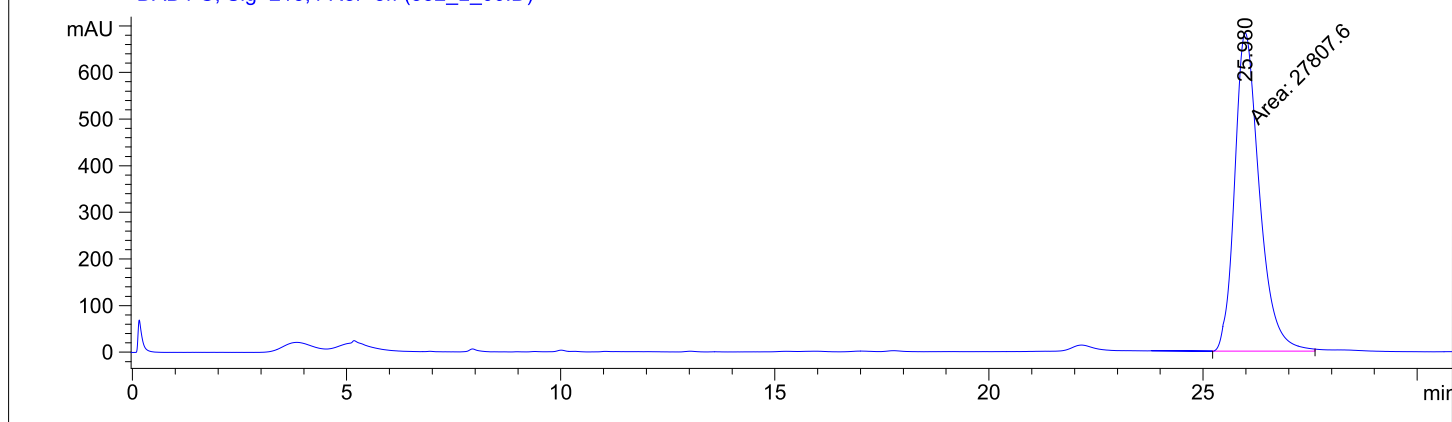
Analysis Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 5/8/2014 1:54:21 PM by Natalie
(modified after loading)

DAD1 B, Sig=254,4 Ref=off (332_L_00.D)



DAD1 C, Sig=215,4 Ref=off (332_L_00.D)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 B, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	25.983	FM	0.6467	7815.92480	201.41667	100.0000

Totals : 9487.75061 247.58971

Results obtained with enhanced integrator!

Signal 2: DAD1 C, Sig=215,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	25.980	FM	0.6784	2.78076e4	683.13770	100.0000

Totals : 3.37755e4 841.10568

Results obtained with enhanced integrator!

=====

*** End of Report ***

IA Hexane-IPA 90-10 0.6 ml/min 23C

Injection Date : 5/8/2014 1:18:02 PM

Sample Name : 332_RAC

Location : Vial 53

Acq. Operator : Natalie

Inj Volume : 1 µl

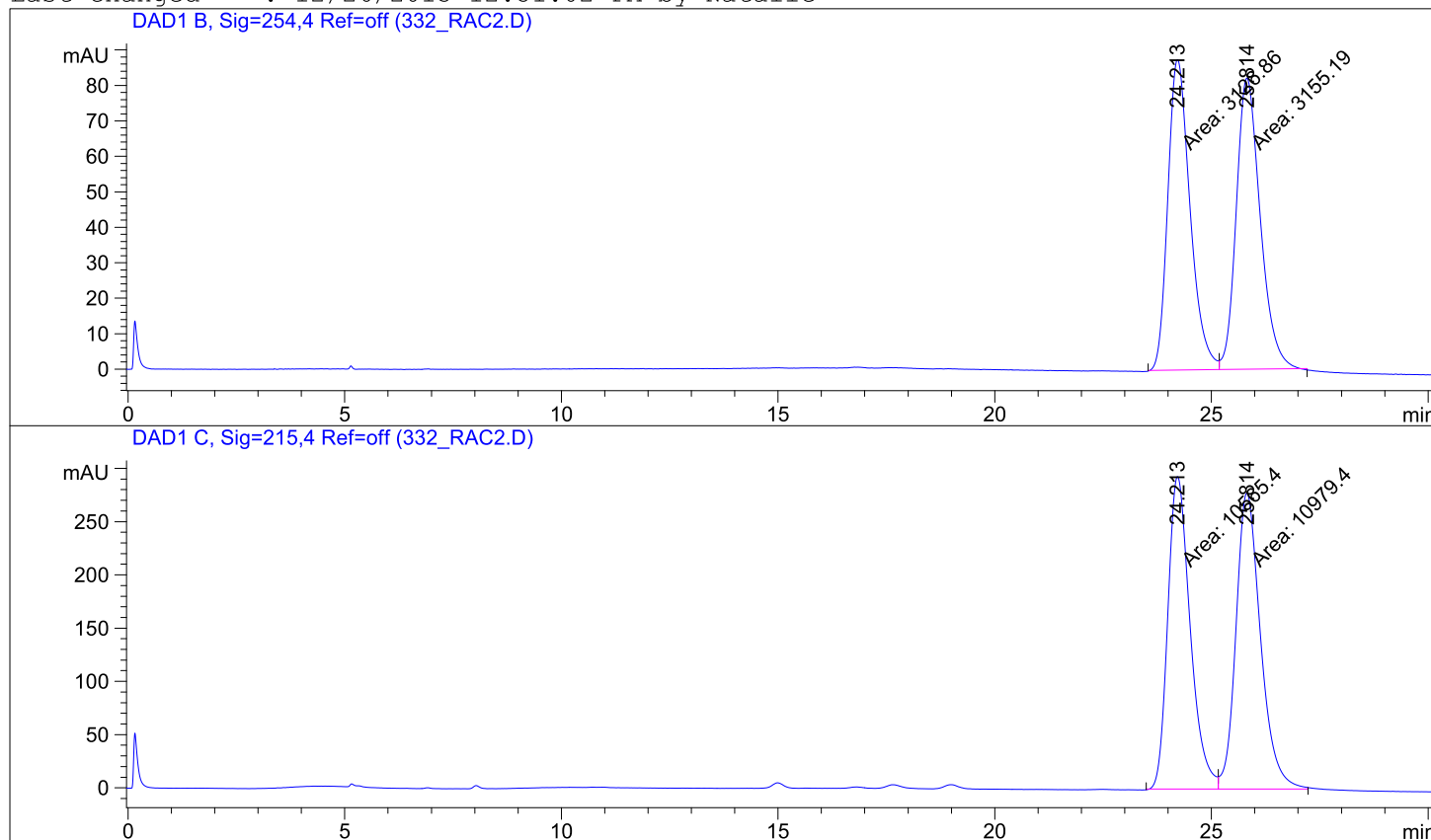
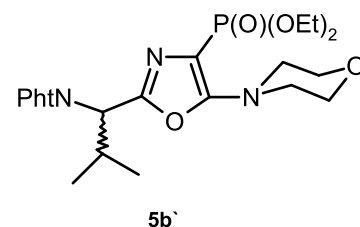
Acq. Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 5/8/2014 12:18:38 PM by Natalie

(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 12/26/2013 12:51:02 PM by Natalie



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 B, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	24.213	MF	0.5950	3126.85596	87.58419	49.7745
2	25.814	FM	0.6405	3155.18970	82.10402	50.2255

Totals : 6282.04565 169.68821

Results obtained with enhanced integrator!

Signal 2: DAD1 C, Sig=215,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	24.213	MF	0.5996	1.05654e4	293.65768	49.0392
2	25.814	FM	0.6578	1.09794e4	278.17874	50.9608

Totals : 2.15449e4 571.83643

Results obtained with enhanced integrator!

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*** End of Report ***

OJ Hexane-IPA 80-20, 0.5 ml/min 23C

Injection Date : 11/13/2013 2:51:04 PM

Sample Name : 261_DL

Acq. Operator : Natalie

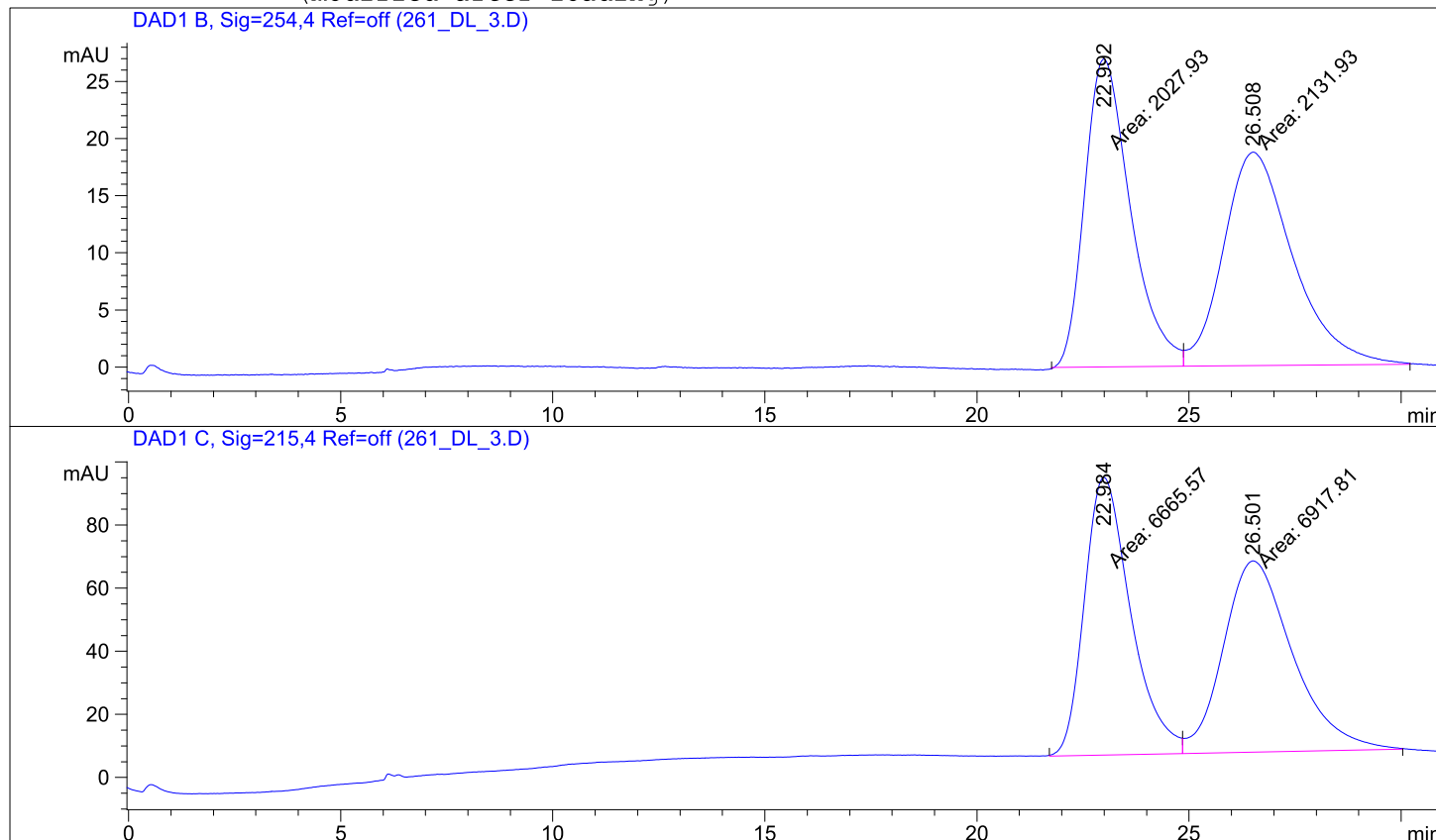
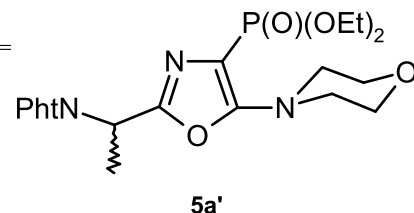
Location : Vial 52

Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 11/13/2013 2:51:07 PM by Natalie
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 11/13/2013 2:05:59 PM by Natalie
(modified after loading)

Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 B, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	22.992	MF	1.2523	2027.93433	26.98916	48.7500
2	26.508	FM	1.8994	2131.93237	18.70660	51.2500

Totals : 4159.86670 45.69576

Results obtained with enhanced integrator!

Signal 2: DAD1 C, Sig=215,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	22.984	MF	1.2622	6665.56934	88.01562	49.0715
2	26.501	FM	1.9004	6917.80811	60.67033	50.9285

Totals : 1.35834e4 148.68594

Results obtained with enhanced integrator!

=====

*** End of Report ***

OJ Hexane-IPA 80-20, 0.5 ml/min 23C

Injection Date : 11/13/2013 3:23:41 PM

Sample Name : 261_L

Location : Vial 53

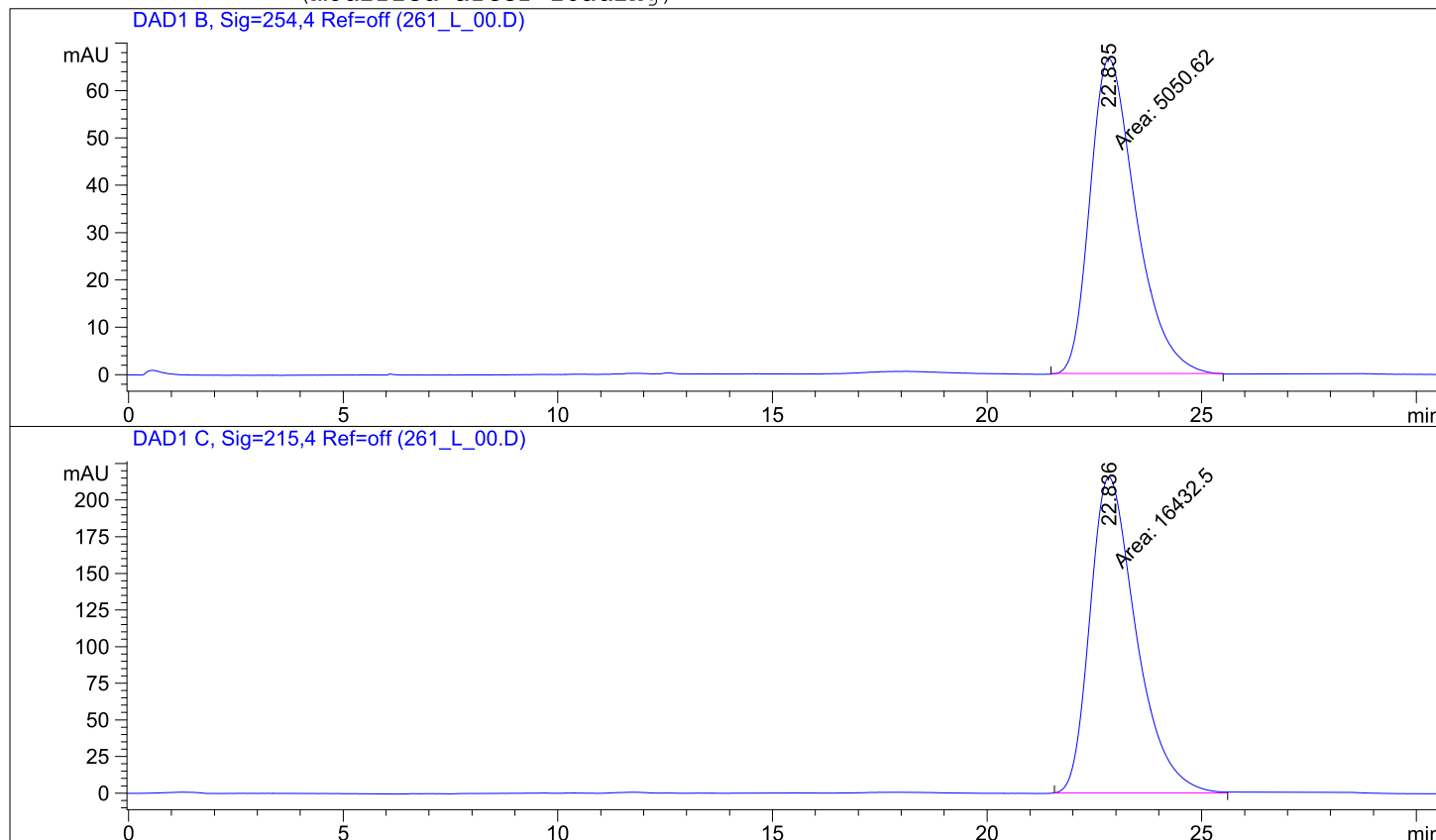
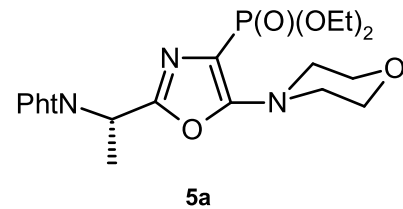
Acq. Operator : Natalie

Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 11/13/2013 2:51:07 PM by Natalie
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 11/13/2013 3:58:22 PM by Natalie
(modified after loading)

Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 B, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	22.835	MF	1.2663	5050.61572	66.47704	100.0000

Totals : 5220.09142 68.04699

Results obtained with enhanced integrator!

Signal 2: DAD1 C, Sig=215,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	22.836	MF	1.2704	1.64325e4	215.57478	100.0000

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
----- ----- ----- ----- ----- ----- -----						
Totals :				1.70730e4	223.93853	

Results obtained with enhanced integrator!

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*** End of Report ***

IA Hexane-IPA 80-20 0.55 ml/min 23C

Injection Date : 6/12/2014 12:15:28 PM

Sample Name : 459

Location : Vial 68

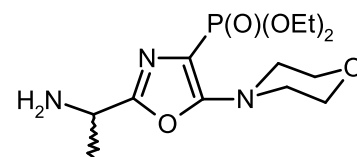
Acq. Operator : Natalie

Inj Volume : 1 µl

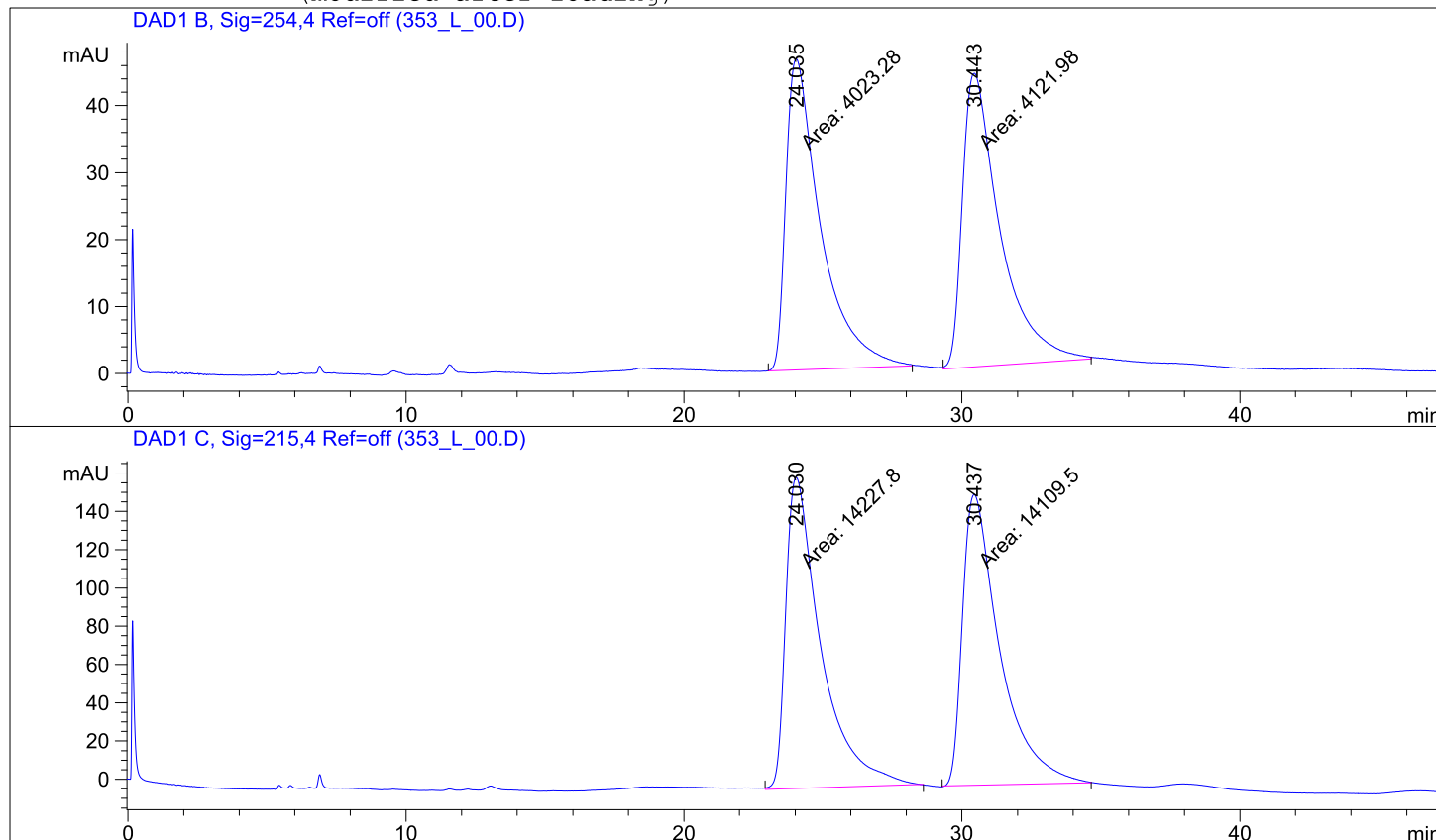
Acq. Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 6/12/2014 11:35:58 AM by Natalie
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 6/12/2014 1:06:10 PM by Natalie
(modified after loading)

7a



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 B, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	24.035	MM	1.4434	4023.27686	46.45586	49.3941
2	30.443	MM	1.5655	4121.97998	43.88255	50.6059

Totals : 8145.25684 90.33841

Results obtained with enhanced integrator!

Signal 2: DAD1 C, Sig=215,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	24.030	MM	1.4585	1.42278e4	162.58815	50.2087
2	30.437	MM	1.5469	1.41095e4	152.02254	49.7913

Totals : 2.83373e4 314.61069

Results obtained with enhanced integrator!

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*** End of Report ***

IA Hexane-IPA 80-20 0.55 ml/min 23C

Injection Date : 6/12/2014 11:37:04 AM

Sample Name : 458

Location : Vial 67

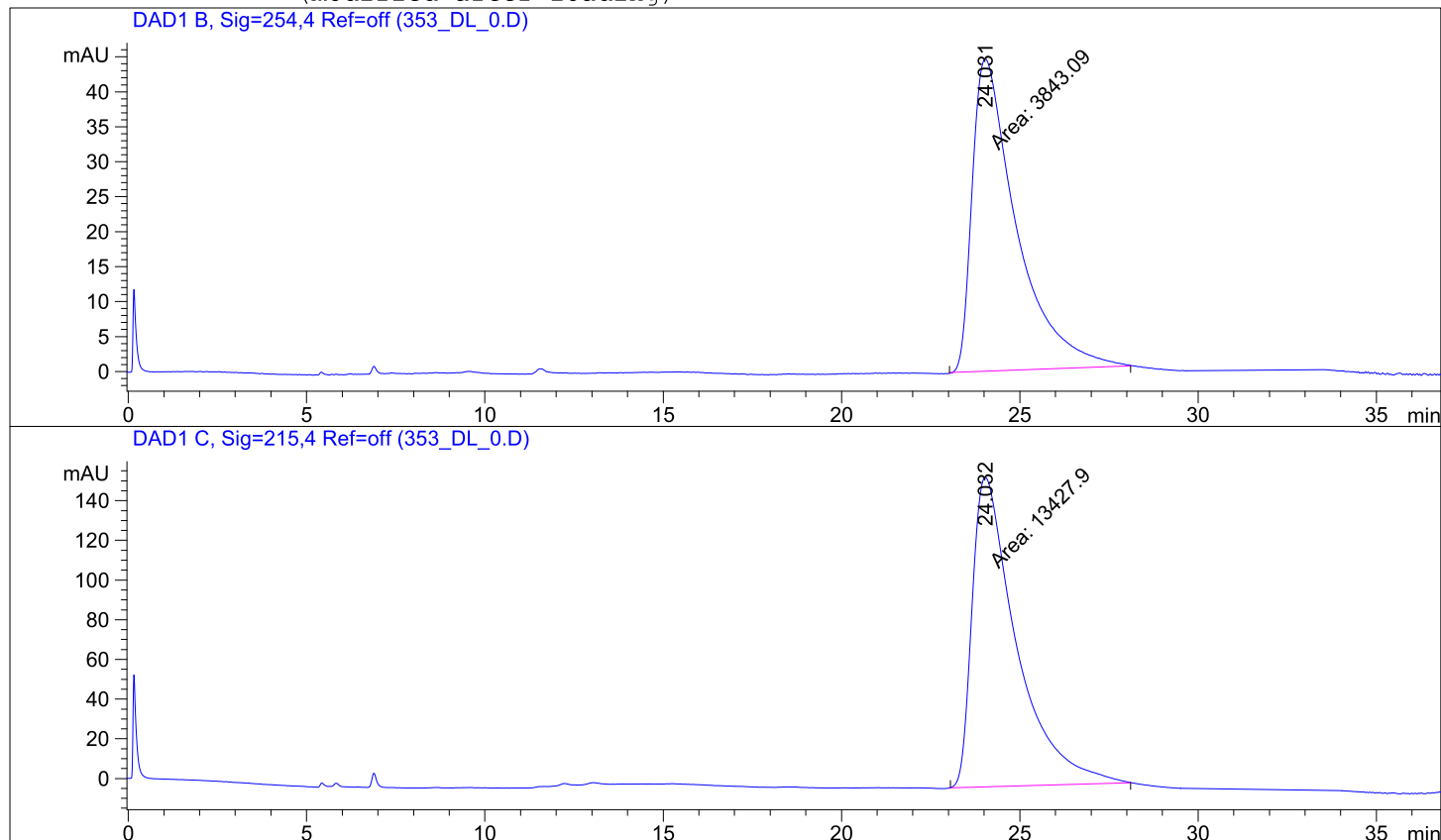
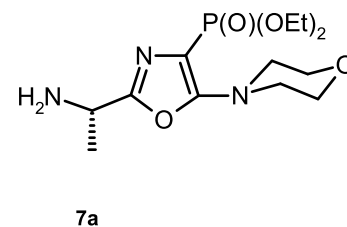
Acq. Operator : Natalie

Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 6/12/2014 11:35:58 AM by Natalie
(modified after loading)

Analysis Method : C:\HPCHEM\1\METHODS\H-I.M

Last changed : 6/12/2014 1:06:10 PM by Natalie
(modified after loading)

Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 B, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	24.031	MM	1.4338	3843.09009	44.67146	100.0000

Totals : 4143.27109 47.89383

Results obtained with enhanced integrator!

Signal 2: DAD1 C, Sig=215,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	24.032	MM	1.4352	1.34279e4	155.93080	100.0000

Totals : 1.44205e4 166.84284

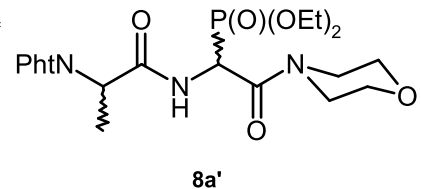
Results obtained with enhanced integrator!

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*** End of Report ***

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
3	26.377	VB	1.5439	6822.21631	51.75448	28.4248

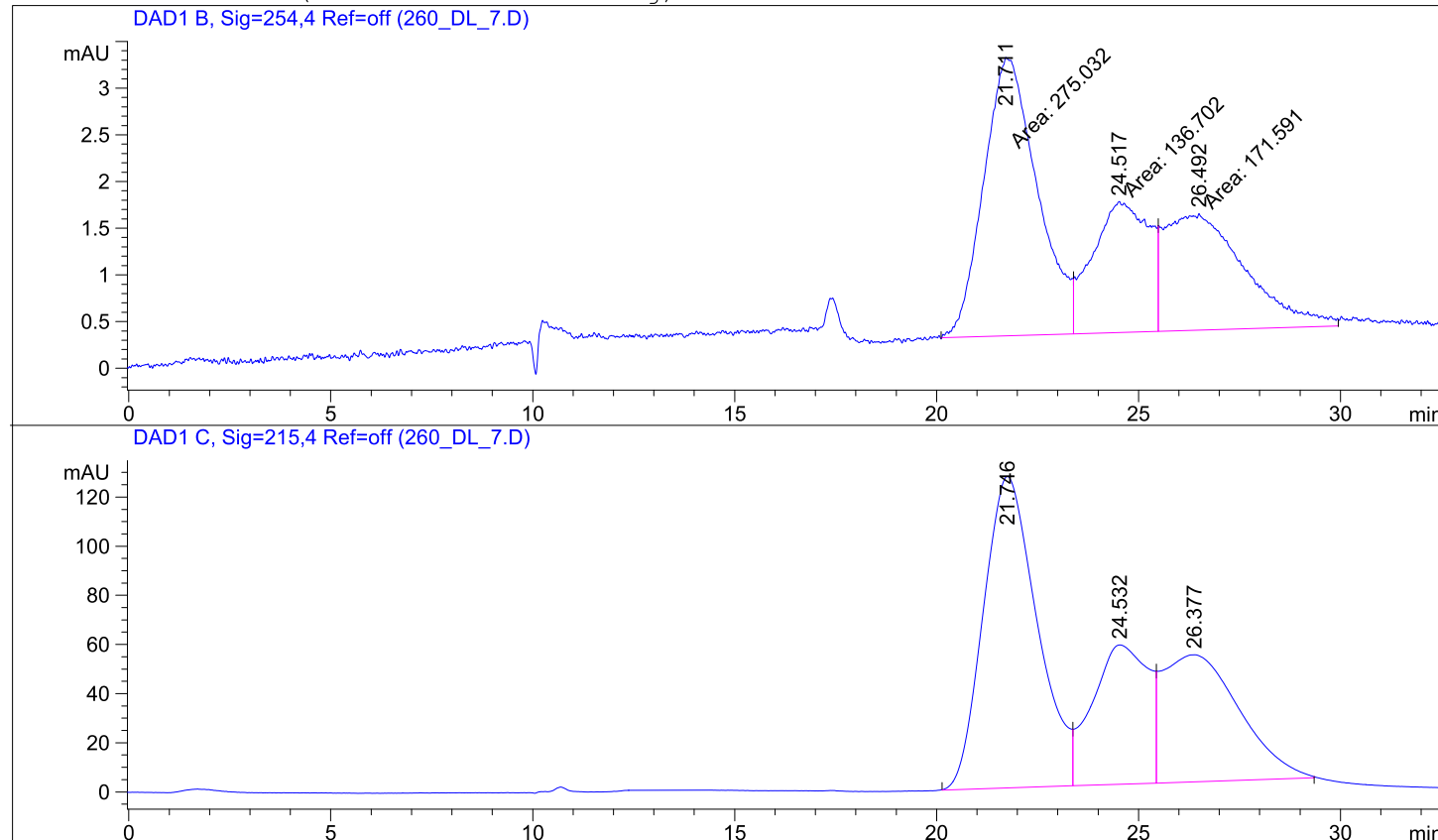
Sample Name : 260_DL_ Location : Vial 50
 Totals : 2.40009e4 235.32510 Inj Volume : 1 µl



Results obtained with enhanced integrator!

*** End of Report ***

Analysis Method : C:\HPCHEM\1\METHODS\H-I.M
 Last changed : 11/15/2013 12:14:37 PM by Natalie
 (modified after loading)



Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 B, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	21.711	MF	1.5358	275.03195	2.98470	47.1490
2	24.517	MF	1.6227	136.70235	1.40404	23.4350
3	26.492	FM	2.2884	171.59106	1.24972	29.4160

Totals : 583.32536 5.63847

Results obtained with enhanced integrator!

Signal 2: DAD1 C, Sig=215,4 Ref=off

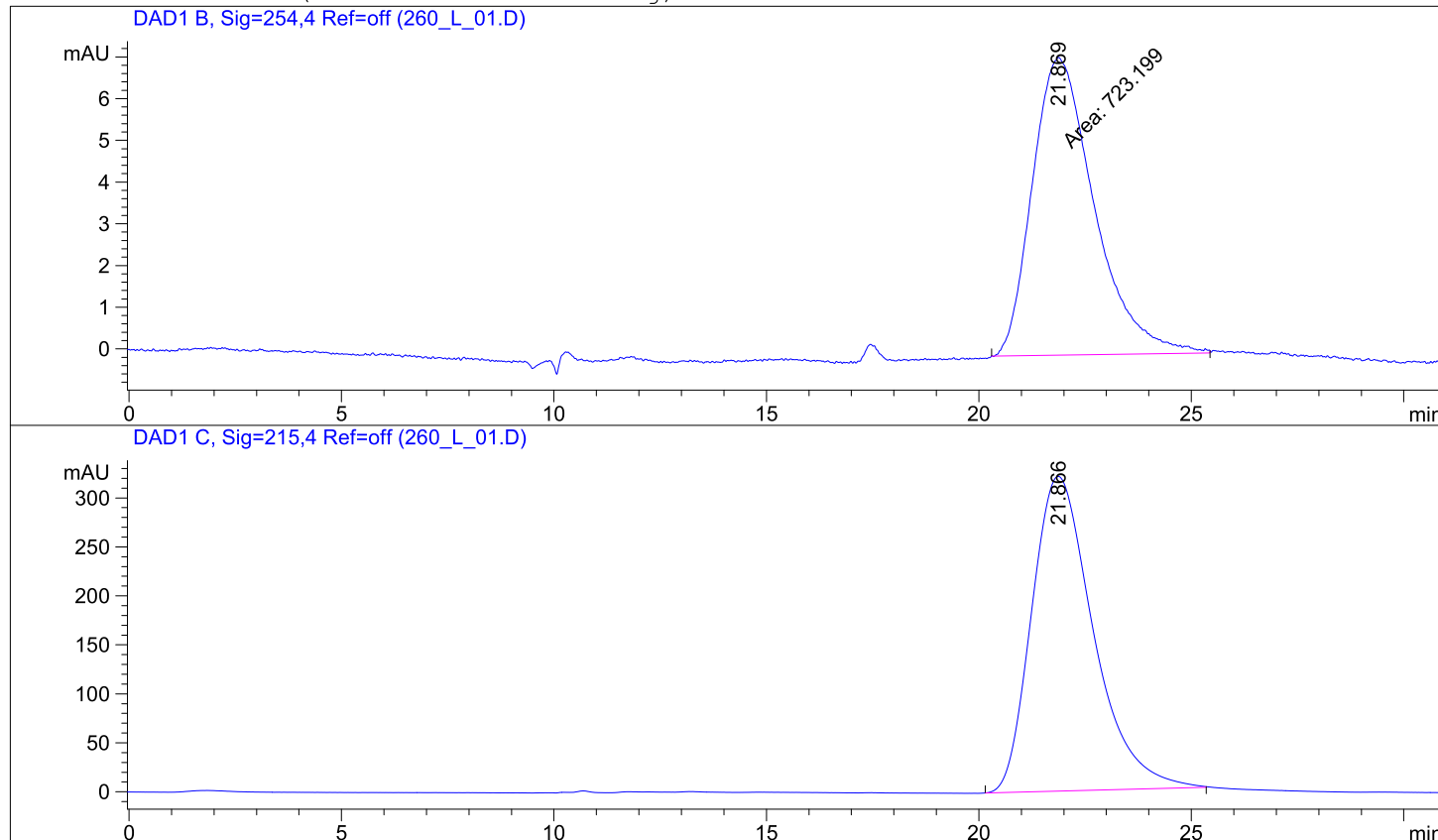
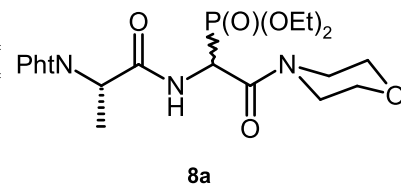
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	21.746	BV	1.2692	1.17093e4	126.82096	48.7868
2	24.532	VV	1.1504	5469.42188	56.74965	22.7884

Results obtained with enhanced integrator!

*** End of Report ***

Injection Date : 11/15/2013 3:25:08 PM
Sample Name : 260_L Location : Vial 51
Acq. Operator : Natalie
Inj Volume : 1 µl

Acq. Method : C:\HPCHEM\1\METHODS\H-I.M
Last changed : 11/15/2013 3:23:40 PM by Natalie
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\H-I.M
Last changed : 11/15/2013 12:14:37 PM by Natalie
(modified after loading)



Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 B, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	21.869	MM	1.6869	723.19867	7.14542	100.0000

Totals : 723.19867 7.14542

Results obtained with enhanced integrator!

Signal 2: DAD1 C, Sig=215,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	21.866	BB	1.4949	3.23494e4	321.22522	100.0000

Totals : 3.23494e4 321.22522