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Supporting Information

Synthesis of functionalized unsymmetrical 1,3-butadiene-3-yne derivatives from β-halo styrene derivatives and its application for the synthesis of trisubstituted pyridines

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X-ray Crystallographic Structure of **4a**

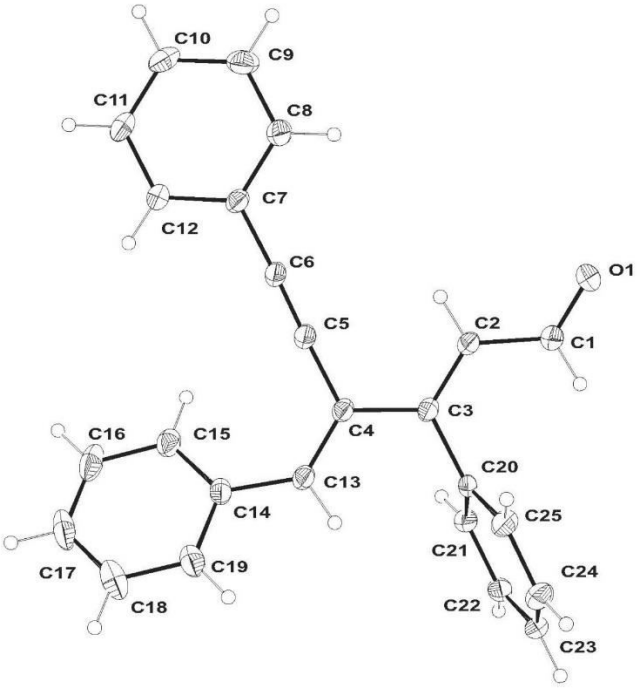


Table 1. Crystal data and structure refinement for ch15278.

Identification code	ch15278	
Empirical formula	C25 H18 O	
Formula weight	334.39	
Temperature	200(2) K	
Wavelength	0.71073 Å	
Crystal system	Monoclinic	
Space group	P 21/n	
Unit cell dimensions	a = 10.3643(11) Å	α= 90°.
	b = 12.1725(13) Å	β= 97.592(4)°.
	c = 14.7261(16) Å	γ = 90°.
Volume	1841.6(3) $Å^3$	
Z	4	
Density (calculated)	1.206 Mg/m^3	
Absorption coefficient	0.072 mm^{-1}	
F(000)	704	
Crystal size	0.78 x 0.78 x 0.24 mm^3	
Theta range for data collection	2.18 to 25.07°.	

Index ranges	-11<=h<=12, -14<=k<=14, -13<=l<=17
Reflections collected	9099
Independent reflections	3202 [R(int) = 0.0414]
Completeness to theta = 25.07°	97.9 %
Absorption correction	multi-scan
Max. and min. transmission	0.9829 and 0.9460
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	3202 / 0 / 235
Goodness-of-fit on F^2	1.076
Final R indices [I>2sigma(I)]	R1 = 0.0512, wR2 = 0.1279
R indices (all data)	R1 = 0.0736, wR2 = 0.1521
Largest diff. peak and hole	0.200 and -0.342 e.$Å^{-3}$

X-ray Crystallographic Structure of **6a**

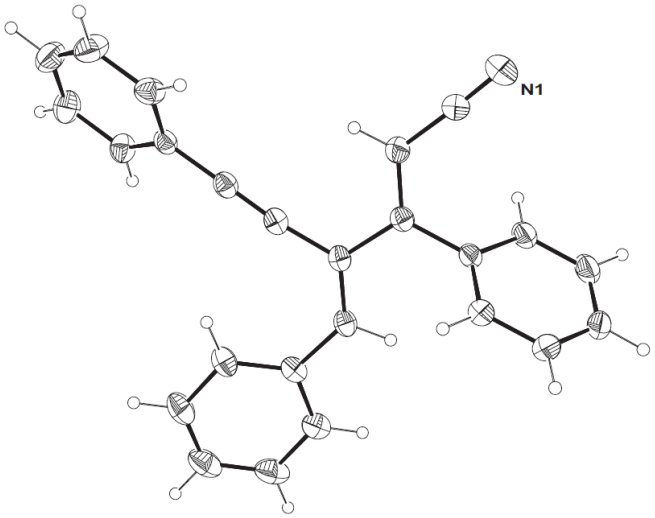


Table 2. Crystal data and structure refinement for a17319.

Identification code	a17319
Empirical formula	C25 H17 N
Formula weight	331.40
Temperature	200(2) K
Wavelength	0.71073 Å
Crystal system	Monoclinic

Space group	P 21/n	
Unit cell dimensions	a = 13.773(3) Å	α= 90°.
	b = 7.1192(14) Å	β= 96.972(4)°.
	c = 19.135(4) Å	γ = 90°.
Volume	1862.4(6) $Å^3$	
Z	4	
Density (calculated)	1.182 Mg/m^3	
Absorption coefficient	0.068 mm^{-1}	
F(000)	696	
Crystal size	0.79 x 0.08 x 0.03 mm^3	
Theta range for data collection	1.94 to 25.13°.	
Index ranges	-16<=h<=16, -8<=k<=7, -21<=l<=22	
Reflections collected	11134	
Independent reflections	3313 [R(int) = 0.0579]	
Completeness to theta = 25.13°	99.0 %	
Absorption correction	multi-scan	
Max. and min. transmission	0.9980 and 0.9481	
Refinement method	Full-matrix least-squares on F^2	
Data / restraints / parameters	3313 / 0 / 235	
Goodness-of-fit on F^2	0.989	
Final R indices [I>2sigma(I)]	R1 = 0.0460, wR2 = 0.0958	
R indices (all data)	R1 = 0.0938, wR2 = 0.1114	
Largest diff. peak and hole	0.129 and -0.138 $e.Å^{-3}$	

X-ray Crystallographic Structure of **6'a**

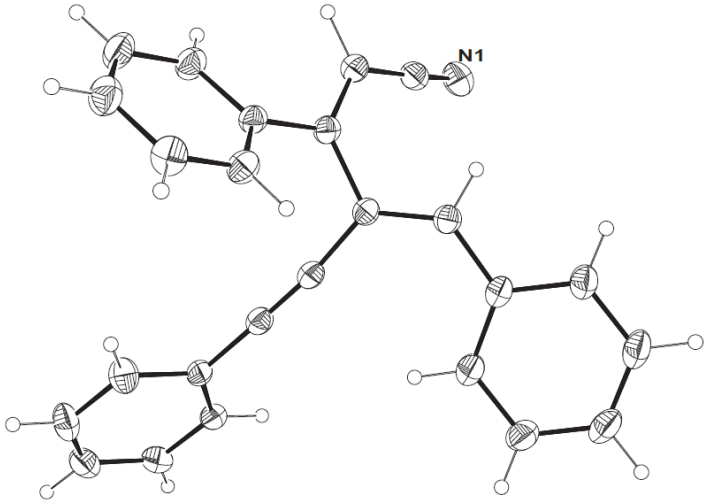


Table 3. Crystal data and structure refinement for a17293.

Identification code	a17293	
Empirical formula	C25 H17 N	
Formula weight	331.40	
Temperature	200(2) K	
Wavelength	0.71073 Å	
Crystal system	Triclinic	
Space group	P -1	
Unit cell dimensions	a = 9.2568(4) Å	α= 88.389(3)°.
	b = 10.0256(4) Å	β= 88.878(2)°.
	c = 11.0470(5) Å	γ = 66.498(2)°.
Volume	939.76(7) $Å^3$	
Z	2	
Density (calculated)	1.171 Mg/m^3	
Absorption coefficient	0.068 mm^{-1}	
F(000)	348	
Crystal size	0.66 x 0.64 x 0.20 mm^3	
Theta range for data collection	1.84 to 25.00°.	
Index ranges	-10<=h<=10, -11<=k<=11, -13<=l<=13	
Reflections collected	7953	
Independent reflections	3200 [R(int) = 0.0525]	

Completeness to theta = 24.80°	99.2 %
Absorption correction	multi-scan
Max. and min. transmission	0.9866 and 0.9567
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	3200 / 0 / 235
Goodness-of-fit on F^2	1.088
Final R indices [I>2sigma(I)]	R1 = 0.0476, wR2 = 0.1294
R indices (all data)	R1 = 0.0575, wR2 = 0.1463
Largest diff. peak and hole	0.193 and -0.232 e.$Å^{-3}$

X-ray Crystallographic Structure of **8a**

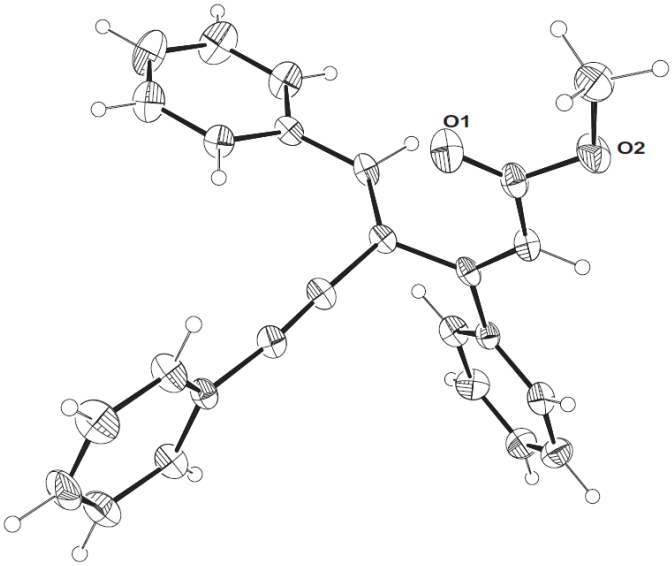


Table 4. Crystal data and structure refinement for a17448.

Identification code	a17448	
Empirical formula	C26 H20 O2	
Formula weight	364.42	
Temperature	200(2) K	
Wavelength	0.71073 Å	
Crystal system	Monoclinic	
Space group	P 21/c	
Unit cell dimensions	a = 12.480(3) Å	α= 90°.
	b = 5.9054(12) Å	β= 94.720(18)°.
	c = 27.814(10) Å	γ = 90°.

Volume	2042.9(10) $Å^3$
Z	4
Density (calculated)	1.185 Mg/m^3
Absorption coefficient	0.074 mm^{-1}
F(000)	768
Crystal size	0.47 x 0.08 x 0.05 mm^3
Theta range for data collection	1.47 to 25.06°.
Index ranges	-14<=h<=14, -6<=k<=6, -33<=l<=31
Reflections collected	12390
Independent reflections	3525 [R(int) = 0.1502]
Completeness to theta = 25.06°	97.7 %
Absorption correction	multi-scan
Max. and min. transmission	0.9963 and 0.9662
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	3525 / 0 / 254
Goodness-of-fit on F^2	1.029
Final R indices [I>2sigma(I)]	R1 = 0.1106, wR2 = 0.1654
R indices (all data)	R1 = 0.2411, wR2 = 0.2084
Extinction coefficient	0.012(2)
Largest diff. peak and hole	0.219 and -0.214 $e.Å^{-3}$

X-ray Crystallographic Structure of **10a**

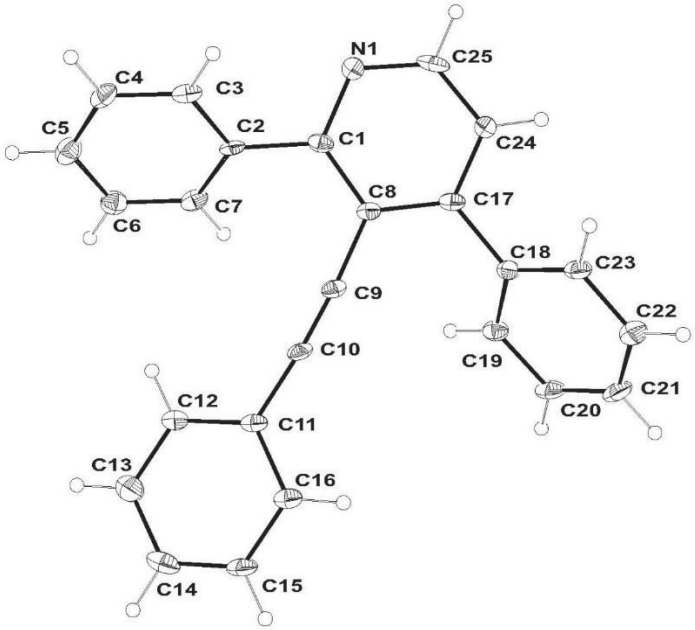
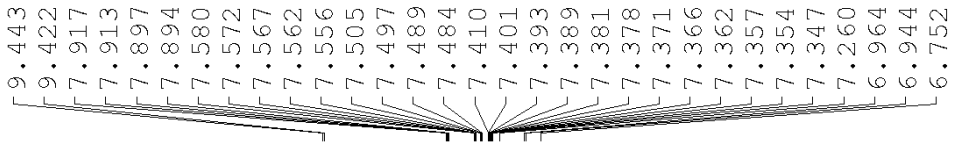


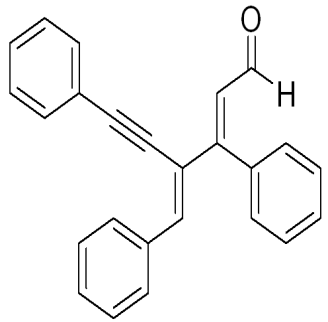
Table 5. Crystal data and structure refinement for 15371a. **N1, C24 50% disorder**

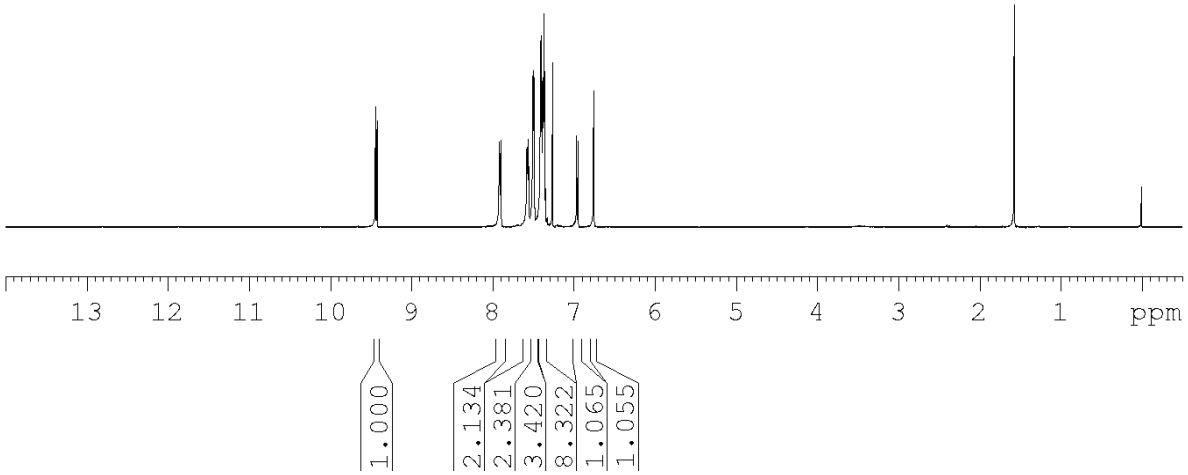
Identification code	15371a	
Empirical formula	C25 H17 N	
Formula weight	331.40	
Temperature	200(2) K	
Wavelength	0.71073 Å	
Crystal system	Monoclinic	
Space group	P 21/c	
Unit cell dimensions	a = 22.492(3) Å	α= 90°.
	b = 3.9450(5) Å	β= 112.820(9)°.
	c = 20.893(3) Å	γ = 90°.
Volume	1708.8(4) $Å^3$	
Z	4	
Density (calculated)	1.288 Mg/m^3	
Absorption coefficient	0.074 mm^{-1}	
F(000)	696	
Crystal size	0.34 x 0.14 x 0.03 mm^3	
Theta range for data collection	0.98 to 25.02°.	

Index ranges	-26<=h<=26, -4<=k<=4, -24<=l<=24
Reflections collected	12026
Independent reflections	3009 [R(int) = 0.1490]
Completeness to theta = 25.02°	99.3 %
Absorption correction	multi-scan
Max. and min. transmission	0.9978 and 0.9752
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	3009 / 0 / 218
Goodness-of-fit on F^2	1.043
Final R indices [I>2sigma(I)]	R1 = 0.0943, wR2 = 0.2358
R indices (all data)	R1 = 0.1852, wR2 = 0.2966
Largest diff. peak and hole	0.353 and -0.692 e.$Å^{-3}$

(E)-4-((E)-benzylidene)-3,6-diphenylhex-2-en-5-ynal (4a)





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Current Data Parameters
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EXPNO                   101
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130718
Time                  17.41
INSTRUM               spect
PROBHD    5 mm BBO BB-1H
PULPROG                zg30
TD                    32768
SOLVENT               CDCl3
NS                        8
DS                        0
SWH                7246.377 Hz
FIDRES            0.221142 Hz
AQ                2.2609921 sec
RG                      114
DW                   69.000 usec
DE                    6.50 usec
TE                   300.0 K
D1              2.00000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                     1H
P1                   11.90 usec
PL1                   3.00 dB
SFO1          400.1324008 MHz

F2 - Processing parameters
SI                    16384
SF            400.1300091 MHz
WDW                      EM
SSB       0
LB        0 Hz
GB        0
PC                    1.00
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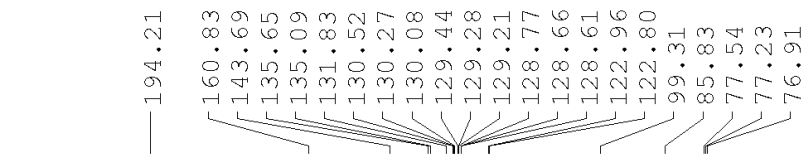
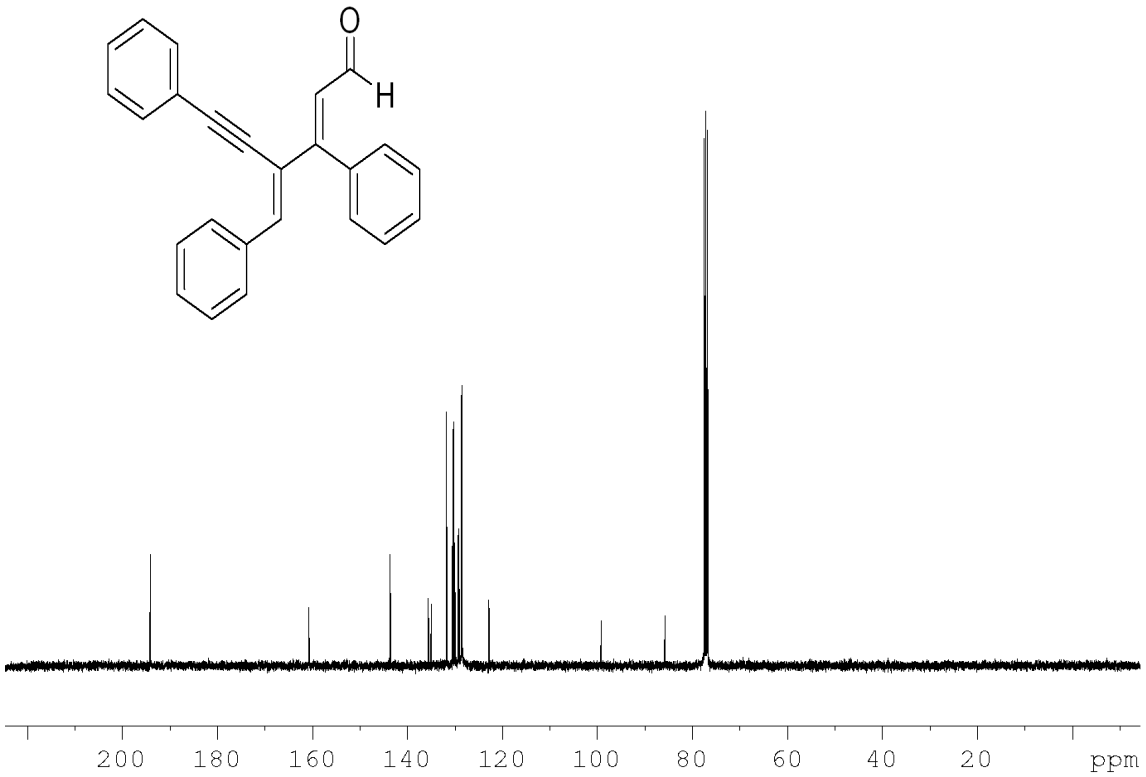
(E)-4-((E)-benzylidene)-3,6-diphenylhex-2-en-5-ynal (4a)





Current Data Parameters

NAME	lio-1
EXPNO	102
PROCNO	1

F2 - Acquisition Parameters

Date_	20130604
Time	21.51
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	629
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	301.4 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

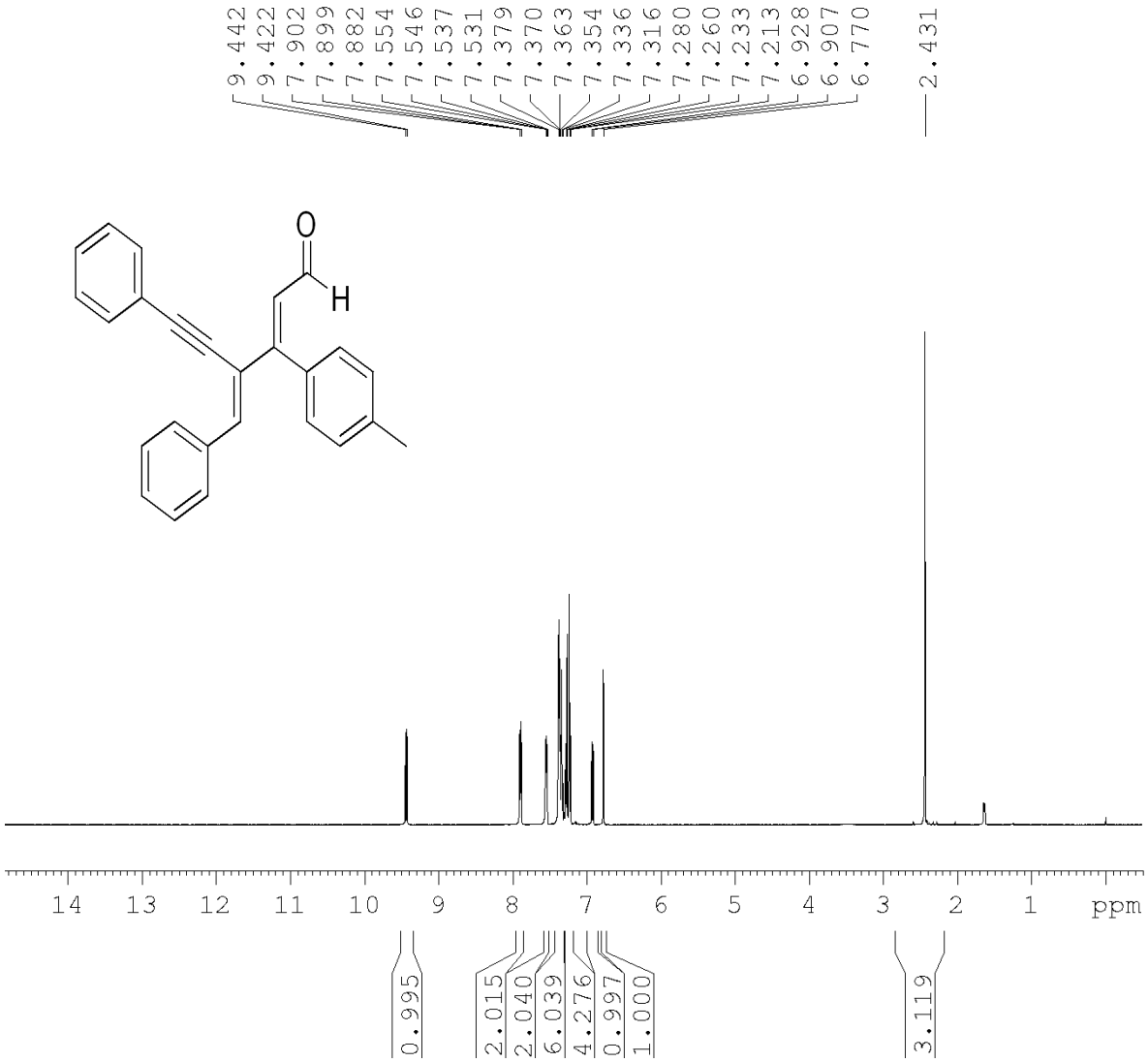
======== CHANNEL f2 =======

CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

F2 - Processing parameters

SI	32768
SF	100.6127484 MHz

(E)-4-((E)-benzylidene)-6-phenyl-3-(p-tolyl)hex-2-en-5-ynal (4b)



Current Data Parameters

NAME	lio-1
EXPNO	125
PROCNO	1

F2 - Acquisition Parameters

Date_	20131101
Time	1.01
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	8
DS	0
SWH	7246.377 Hz
FIDRES	0.221142 Hz
AQ	2.2609921 sec
RG	114
DW	69.000 usec
DE	6.50 usec
TE	300.4 K
D1	2.00000000 sec
TD0	1

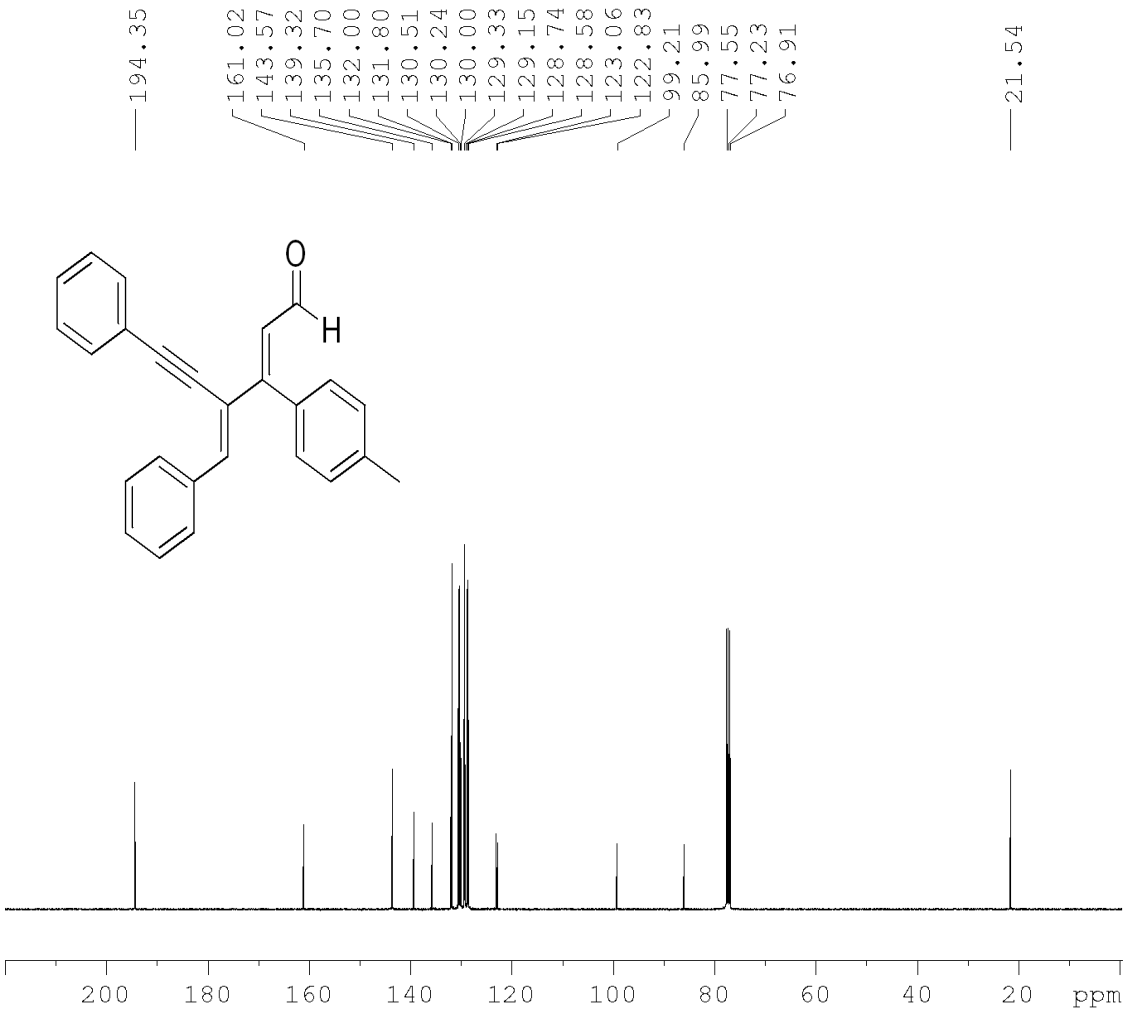
======== CHANNEL f1 ========

NUC1	1H
P1	11.90 usec
PL1	3.00 dB
SFO1	400.1324008 MHz

F2 - Processing parameters

SI	16384
SF	400.1300213 MHz
WDW	EM
SSB	0
LB	0 Hz
GB	0
PC	1.00

(E)-4-((E)-benzylidene)-6-phenyl-3-(p-tolyl)hex-2-en-5-ynal (4b)



Current Data Parameters

NAME	lio-1
EXPNO	126
PROCNO	1

F2 - Acquisition Parameters

Date_	20131101
Time	1.06
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	8159
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	300.6 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

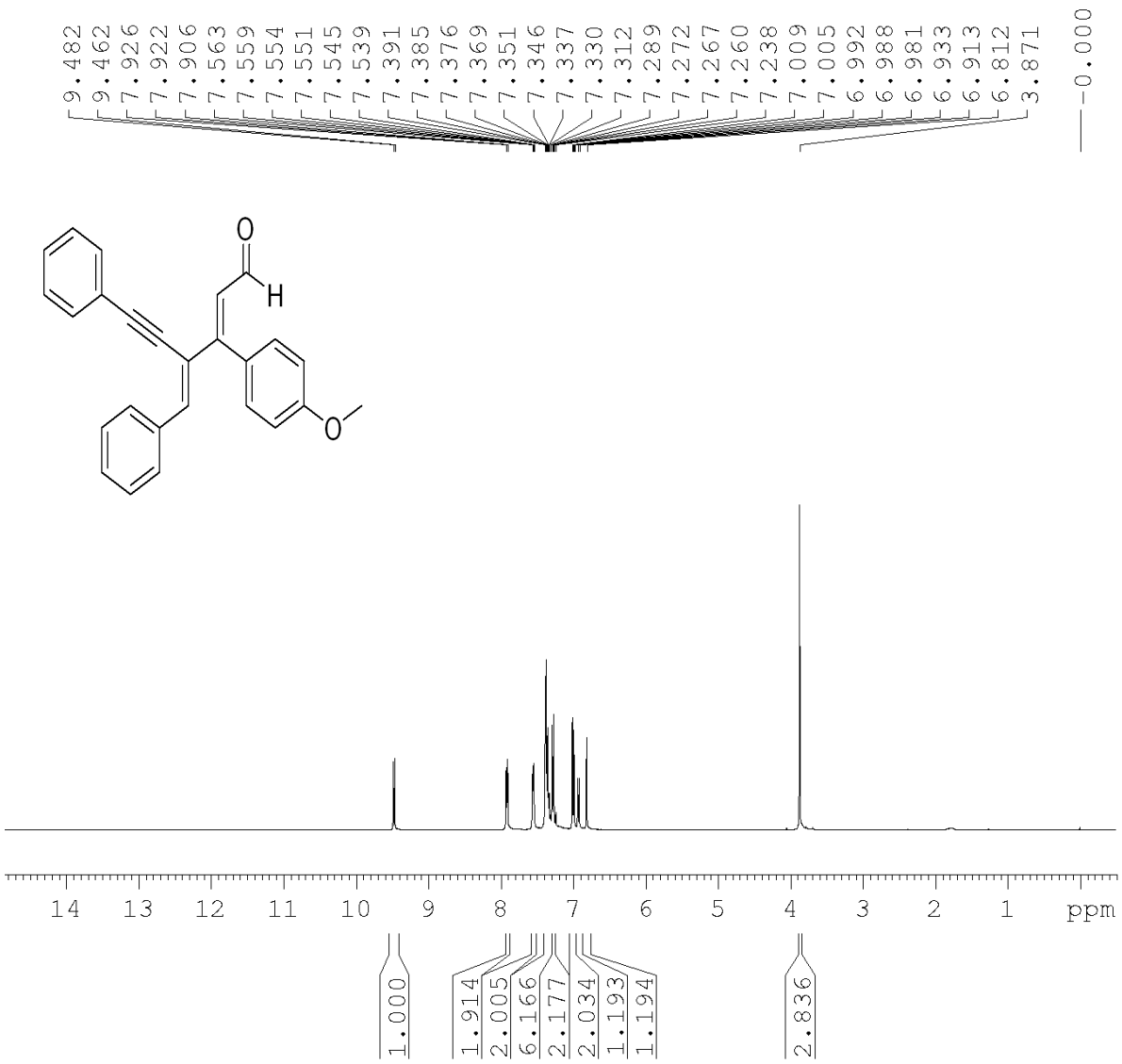
======== CHANNEL f2 =======

CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

F2 - Processing parameters

SI	32768
SF	100.6127517 MHz

(E)-4-((E)-benzylidene)-3-(4-methoxyphenyl)-6-phenylhex-2-en-5-ynal (4c)



Current Data Parameters

NAME	lio-1
EXPNO	127
PROCNO	1

F2 - Acquisition Parameters

Date_	20131006
Time	21.16
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	16
DS	0
SWH	7246.377 Hz
FIDRES	0.221142 Hz
AQ	2.2609921 sec
RG	40.3
DW	69.000 usec
DE	6.50 usec
TE	299.3 K
D1	2.00000000 sec
TD0	1

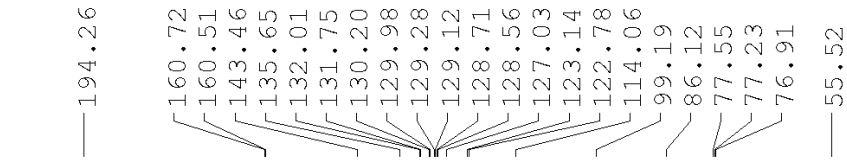
======== CHANNEL f1 ========

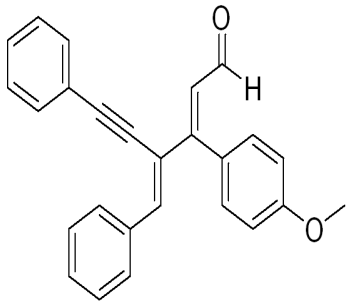
NUC1	1H
P1	11.90 usec
PL1	3.00 dB
SFO1	400.1324008 MHz

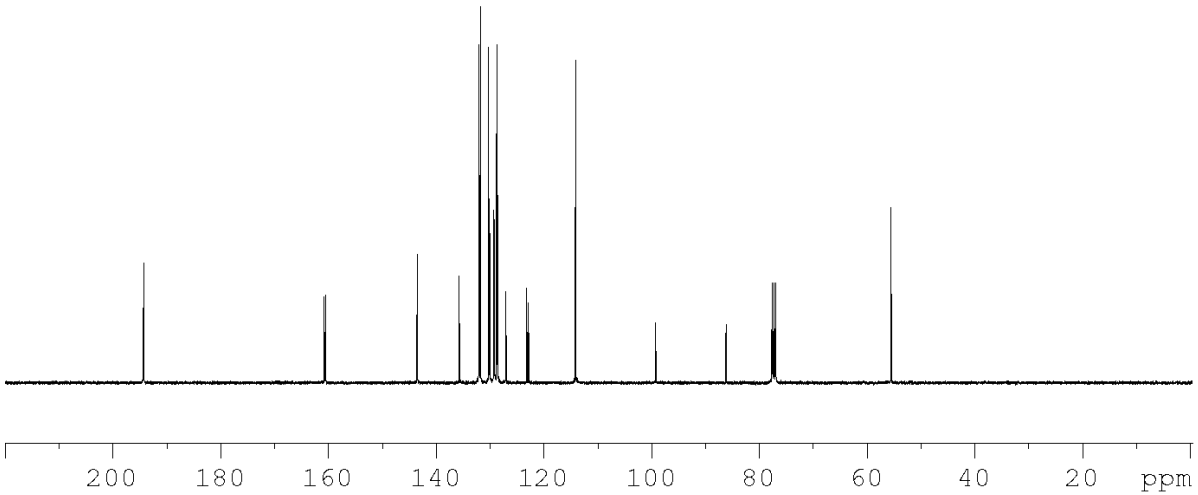
F2 - Processing parameters

SI	16384
SF	400.1300180 MHz
WDW	EM
SSB	0
LB	0 Hz
GB	0
PC	1.00

(E)-4-((E)-benzylidene)-3-(4-methoxyphenyl)-6-phenylhex-2-en-5-ynal (4c)







Current Data Parameters

NAME	lio-1
EXPNO	128
PROCNO	1

F2 - Acquisition Parameters

Date_	20131006
Time	21.17
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	1005
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	299.4 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 ========

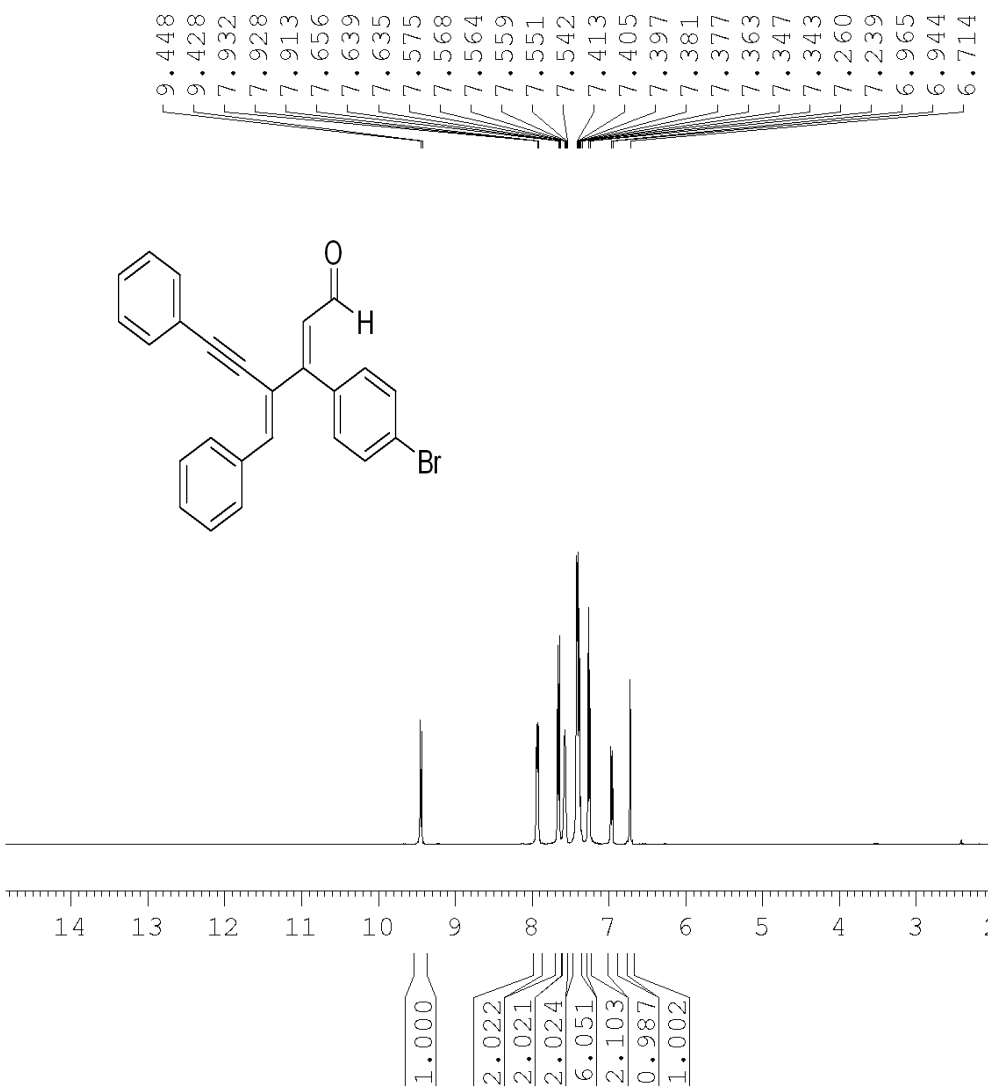
NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

======== CHANNEL f2 ========

CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

F2 - Processing parameters

(E)-4-((E)-benzylidene)-3-(4-bromophenyl)-6-phenylhex-2-en-5-ynal (4d)



Current Data Parameters

NAME	lio-1
EXPNO	117
PROCNO	1

F2 - Acquisition Parameters

Date_	20130810
Time	22.19
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	16
DS	0
SWH	7246.377 Hz
FIDRES	0.221142 Hz
AQ	2.2609921 sec
RG	114
DW	69.000 usec
DE	6.50 usec
TE	297.1 K
D1	2.00000000 sec
TD0	1

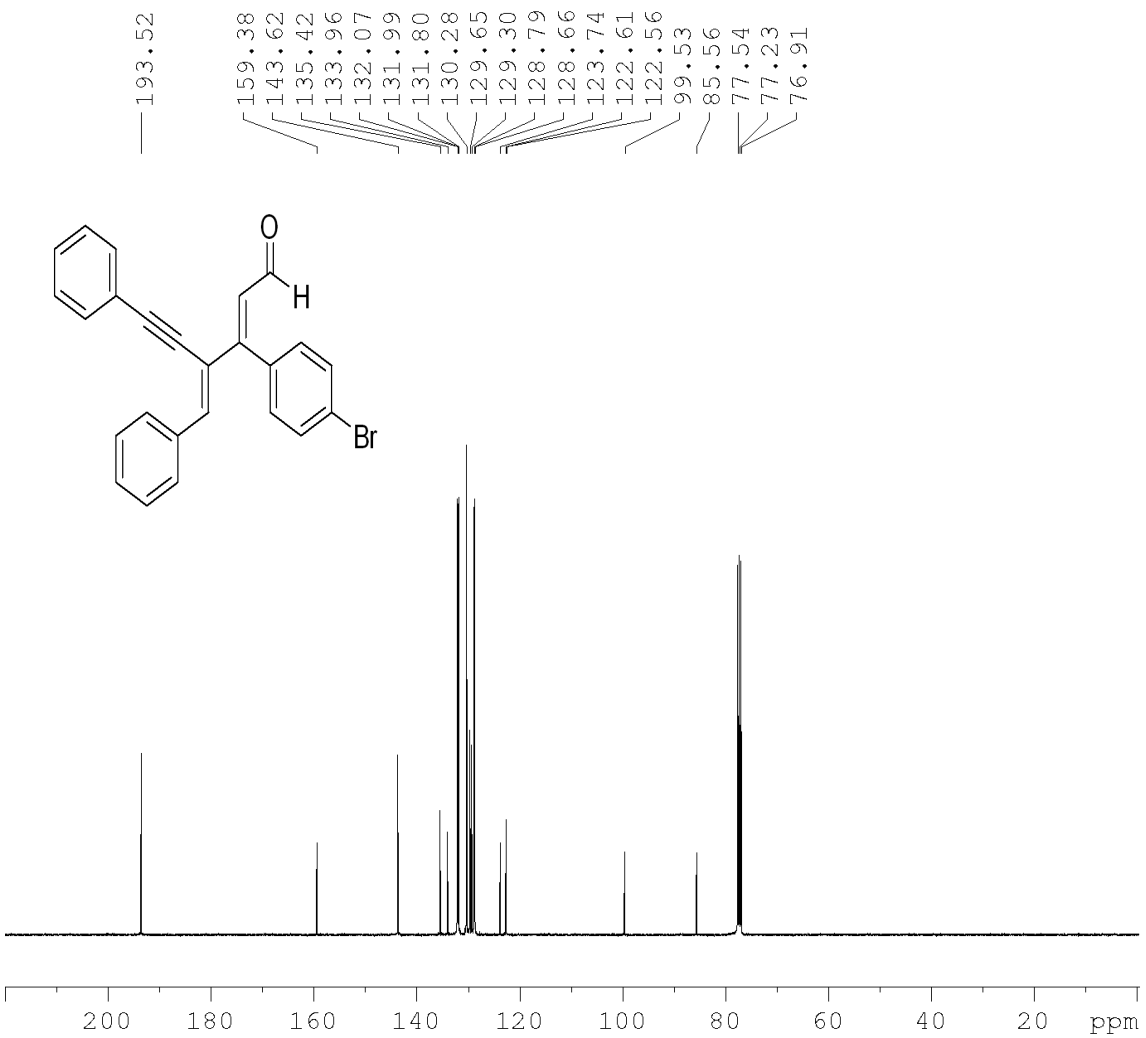
======== CHANNEL f1 ========

NUC1	1H
P1	11.90 usec
PL1	3.00 dB
SFO1	400.1324008 MHz

F2 - Processing parameters

SI	16384
SF	400.1300098 MHz
WDW	EM
SSB	0
LB	0 Hz
GB	0
PC	1.00

(E)-4-((E)-benzylidene)-3-(4-bromophenyl)-6-phenylhex-2-en-5-ynal (4d)



Current Data Parameters

NAME	lio-1
EXPNO	118
PROCNO	1

F2 - Acquisition Parameters

Date_	20130810
Time	22.20
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	15099
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	297.1 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

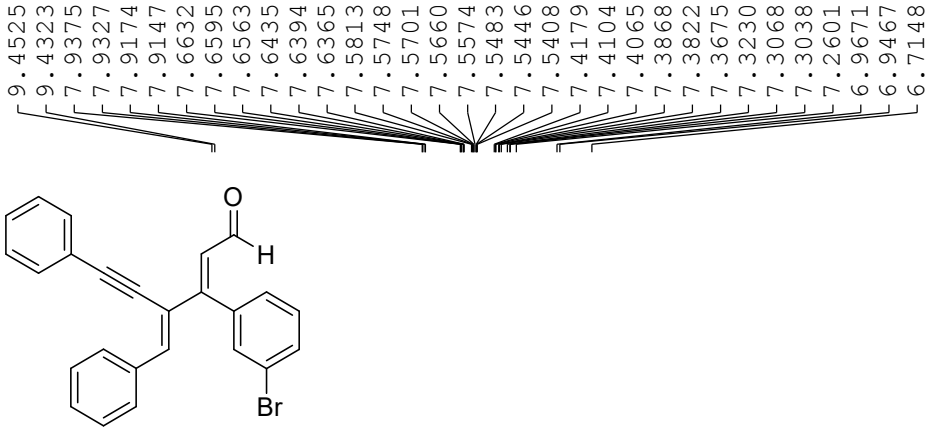
======== CHANNEL f2 =======

CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

F2 - Processing parameters

SI	32768
SF	100.6127525 MHz

(2E,4E)-4-benzylidene-3-(3-bromophenyl)-6-phenylhex-2-en-5-ynal (4e)

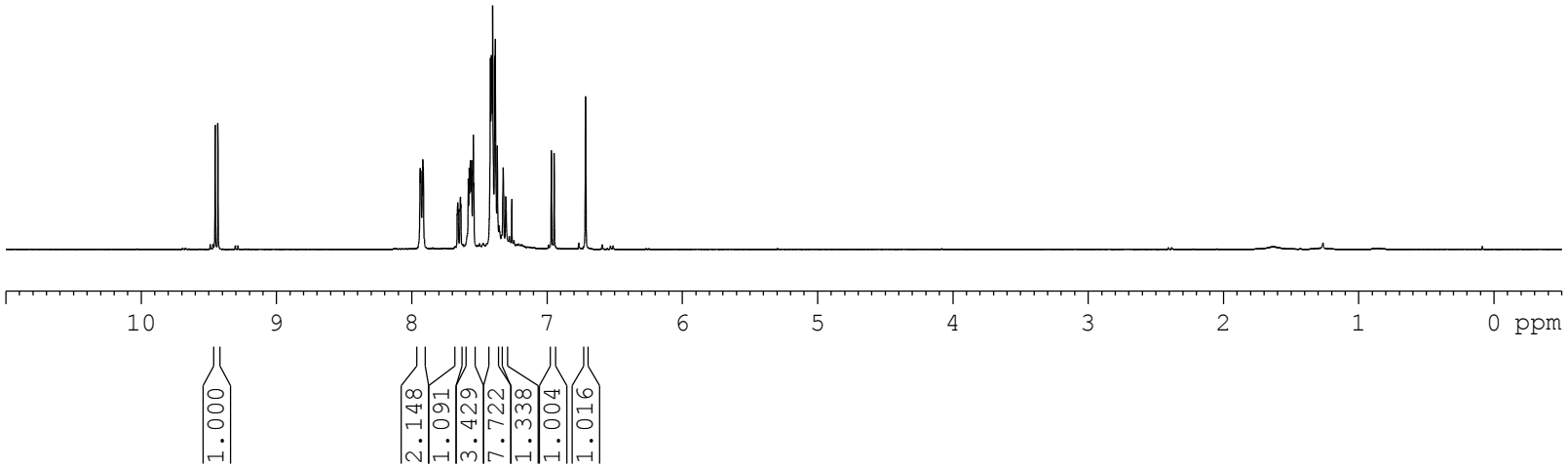


Current Data Parameters
NAME TRY
EXPNO 594
PROCNO 1

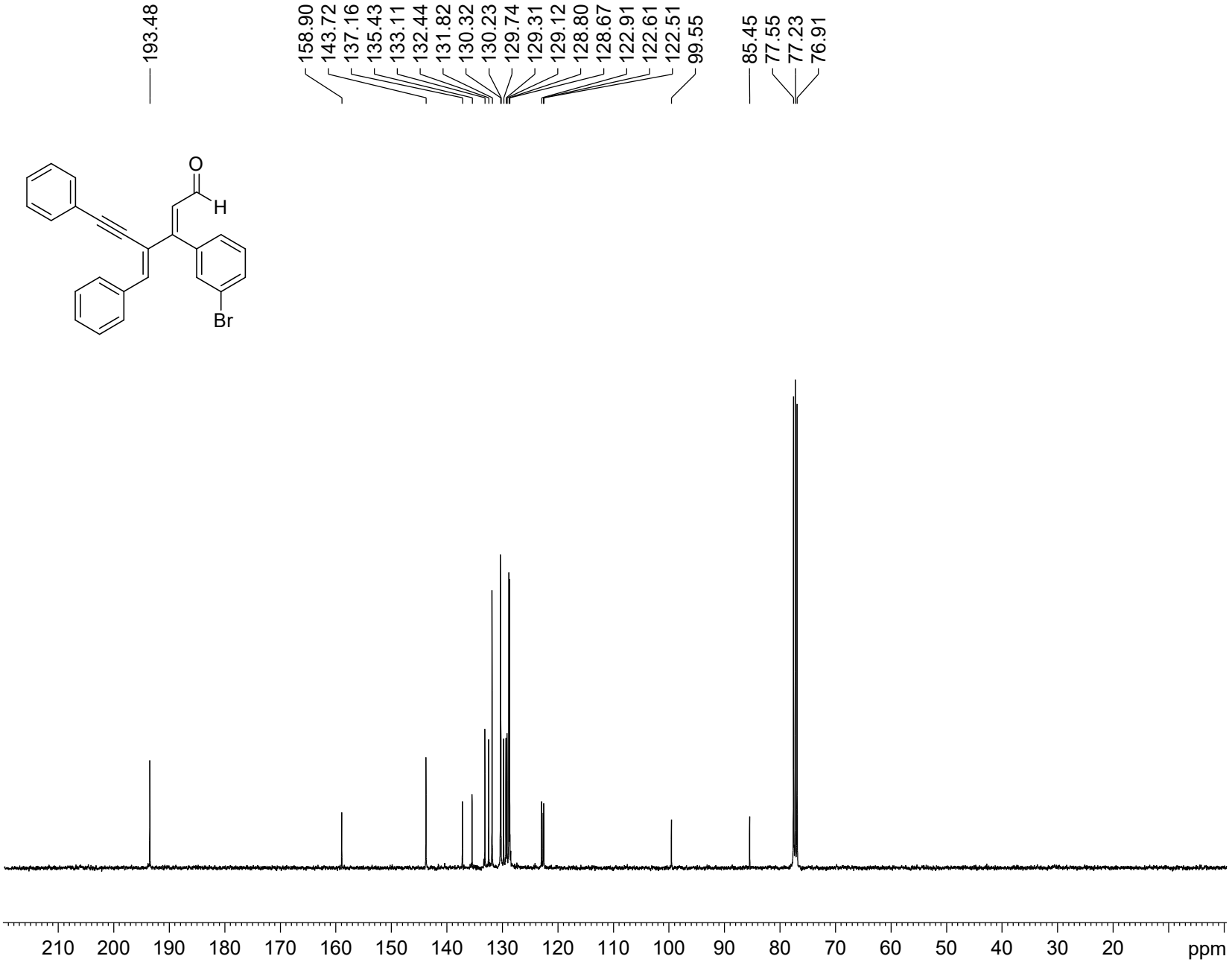
F2 - Acquisition Parameters
Date_ 20160229
Time 22.07
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 7211.539 Hz
FIDRES 0.220079 Hz
AQ 2.2719147 sec
RG 78.51
DW 69.333 usec
DE 10.50 usec
TE 296.9 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 400.1324008 MHz
NUC1 1H
P1 12.90 usec
PLW1 15.00000000 W

F2 - Processing parameters
SI 16384
SF 400.1300097 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



(2E,4E)-4-benzylidene-3-(3-bromophenyl)-6-phenylhex-2-en-5-ynal (4e)



Current Data Parameters
NAME TRY
EXPNO 595
PROCNO 1

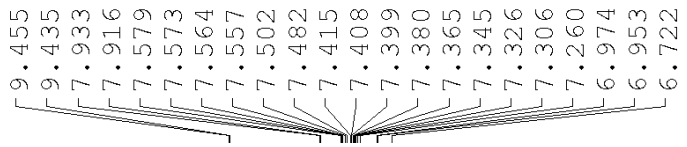
F2 - Acquisition Parameters
Date_ 20160229
Time 22.14
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 900
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 198.09
DW 20.800 usec
DE 6.50 usec
TE 297.6 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

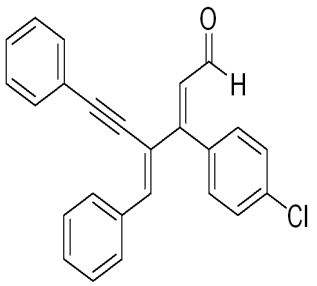
======== CHANNEL f1 ========
SFO1 100.6228298 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.50000000 W

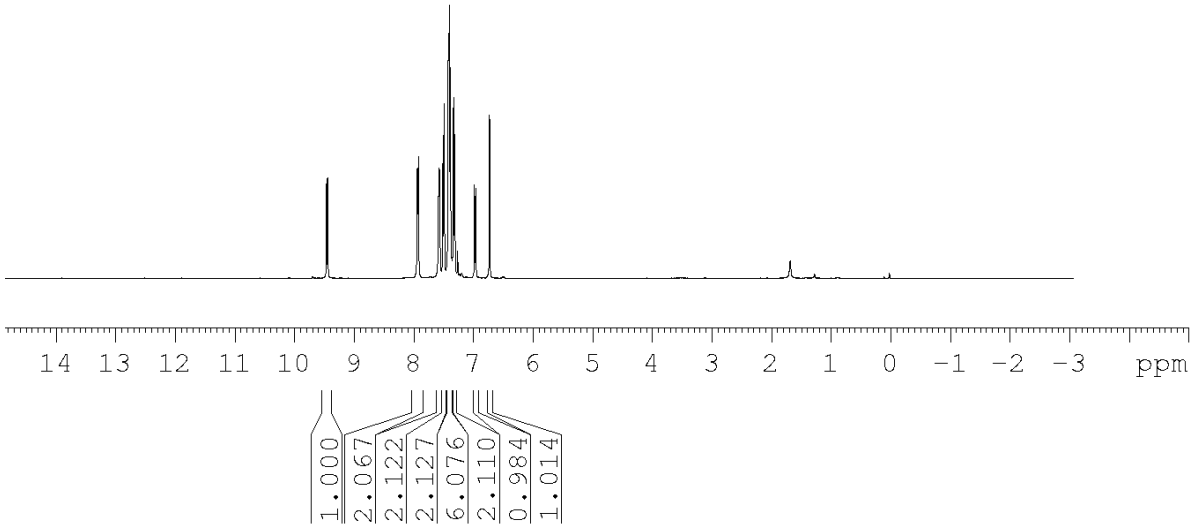
======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 15.00000000 W
PLW12 0.33750001 W
PLW13 0.27338001 W

F2 - Processing parameters
SI 32768
SF 100.6127512 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.00

(E)-4-((E)-benzylidene)-3-(4-chlorophenyl)-6-phenylhex-2-en-5-ynal (4f)

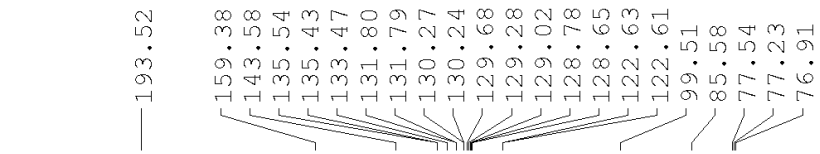


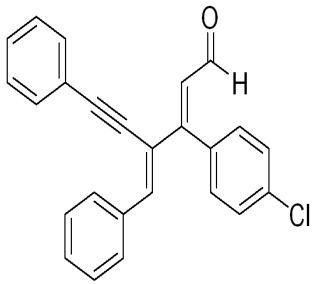


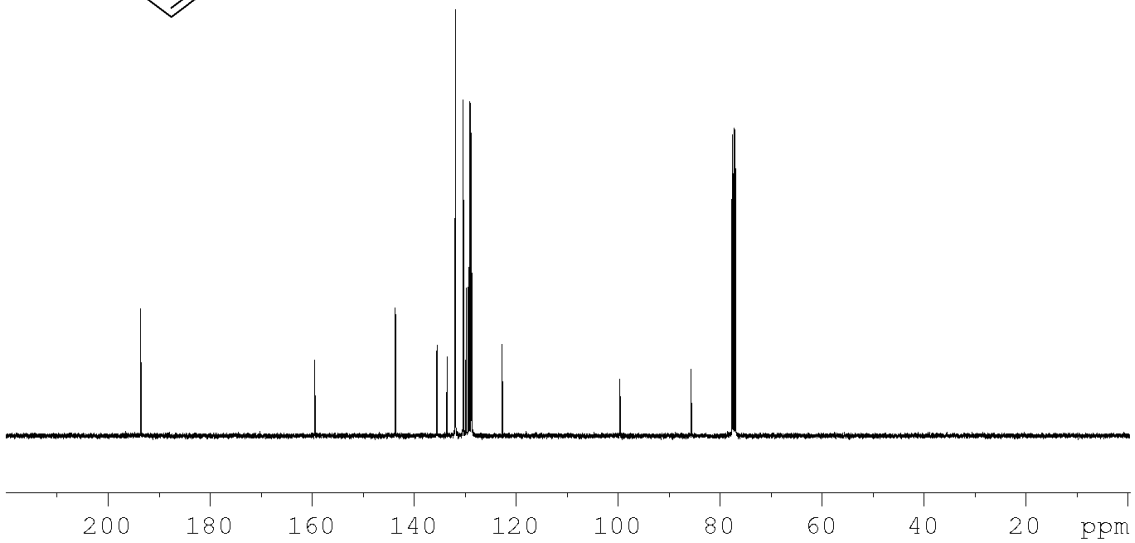



```
Current Data Parameters
NAME                  lio-1
EXPNO                   119
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130916
Time                  23.27
INSTRUM               spect
PROBHD    5 mm BBO BB-1H
PULPROG                zg30
TD                    32768
SOLVENT               CDCl3
NS                        8
DS                        0
SWH                7246.377 Hz
FIDRES            0.221142 Hz
AQ                2.2609921 sec
RG                      114
DW                   69.000 usec
DE                    6.50 usec
TE                   299.1 K
D1              2.00000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                     1H
P1                   11.90 usec
PL1                   3.00 dB
SFO1          400.1324008 MHz

F2 - Processing parameters
SI                    16384
SF            400.1300095 MHz
WDW                      EM
SSB       0
LB        0 Hz
GB        0
PC                    1.00
```

(E)-4-((E)-benzylidene)-3-(4-chlorophenyl)-6-phenylhex-2-en-5-ynal (4f)







Current Data Parameters

NAME	lio-1
EXPNO	120
PROCNO	1

F2 - Acquisition Parameters

Date_	20130916
Time	23.28
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	501
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	299.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 ========

NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

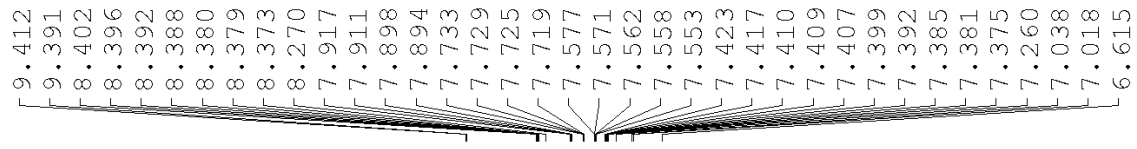
======== CHANNEL f2 ========

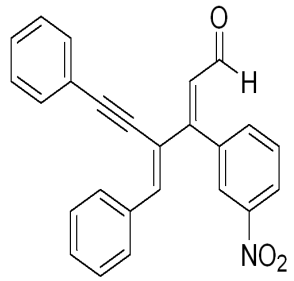
CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

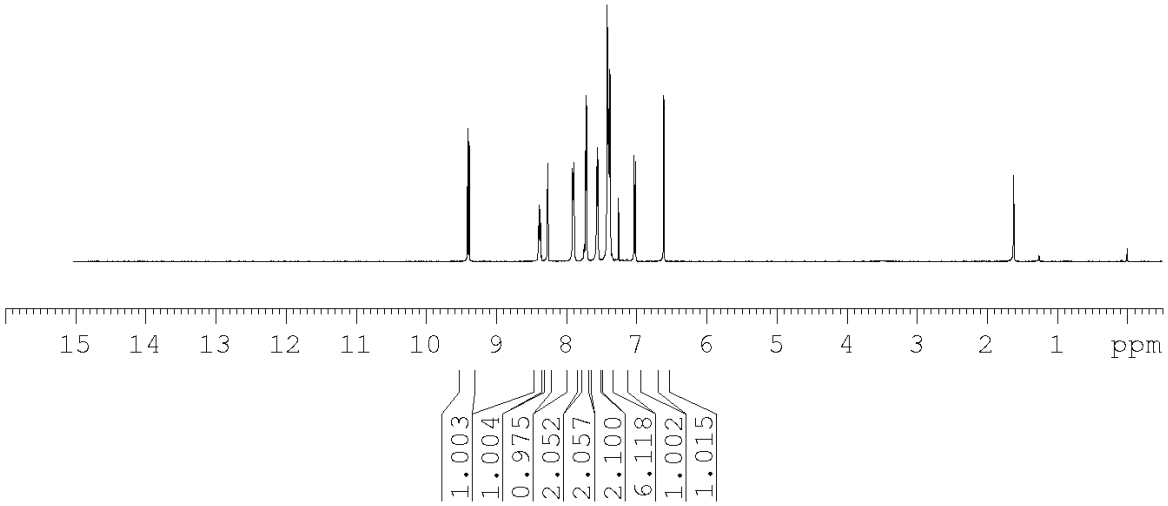
F2 - Processing parameters

SI	32768
SF	100.6127538 MHz

(E)-4-((E)-benzylidene)-3-(3-nitrophenyl)-6-phenylhex-2-en-5-ynal (4g)







Current Data Parameters

NAME	lio-1
EXPNO	111
PROCNO	1

F2 - Acquisition Parameters

Date_	20130916
Time	23.55
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	8
DS	0
SWH	7246.377 Hz
FIDRES	0.221142 Hz
AQ	2.2609921 sec
RG	161.3
DW	69.000 usec
DE	6.50 usec
TE	299.2 K
D1	2.00000000 sec
TD0	1

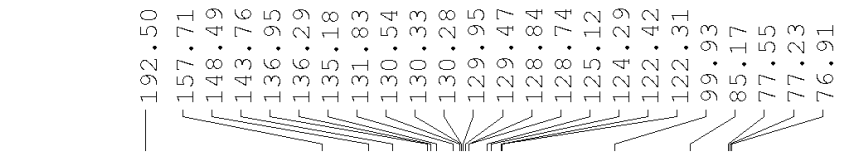
======== CHANNEL f1 ========

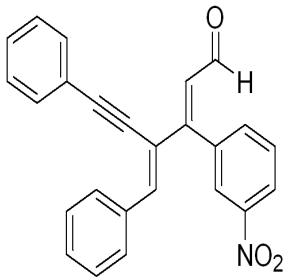
NUC1	1H
P1	11.90 usec
PL1	3.00 dB
SFO1	400.1324008 MHz

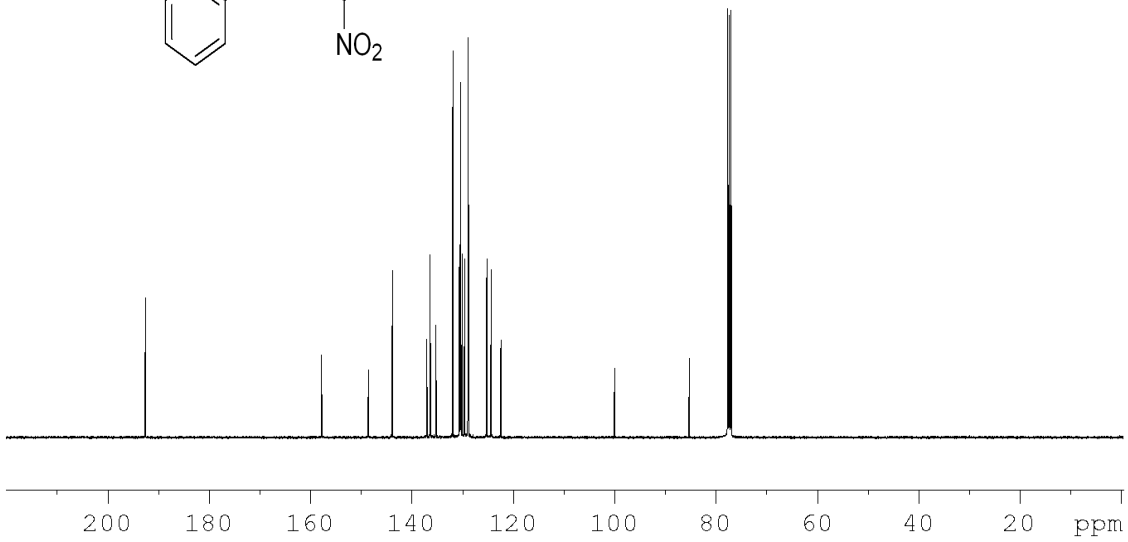
F2 - Processing parameters

SI	16384
SF	400.1300093 MHz
WDW	EM
SSB	0
LB	0 Hz
GB	0
PC	1.00

(E)-4-((E)-benzylidene)-3-(3-nitrophenyl)-6-phenylhex-2-en-5-ynal (4g)







Current Data Parameters

NAME	lio-1
EXPNO	112
PROCNO	1

F2 - Acquisition Parameters

Date_	20130916
Time	23.56
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	11915
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	299.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 ========

NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

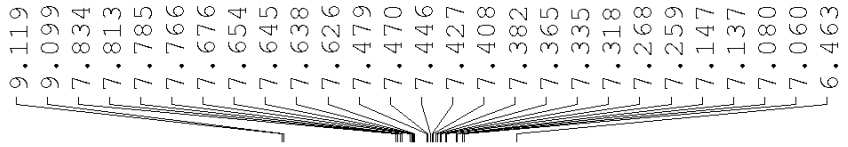
======== CHANNEL f2 ========

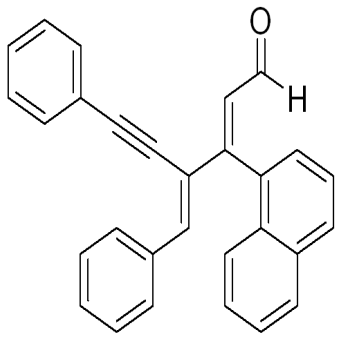
CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

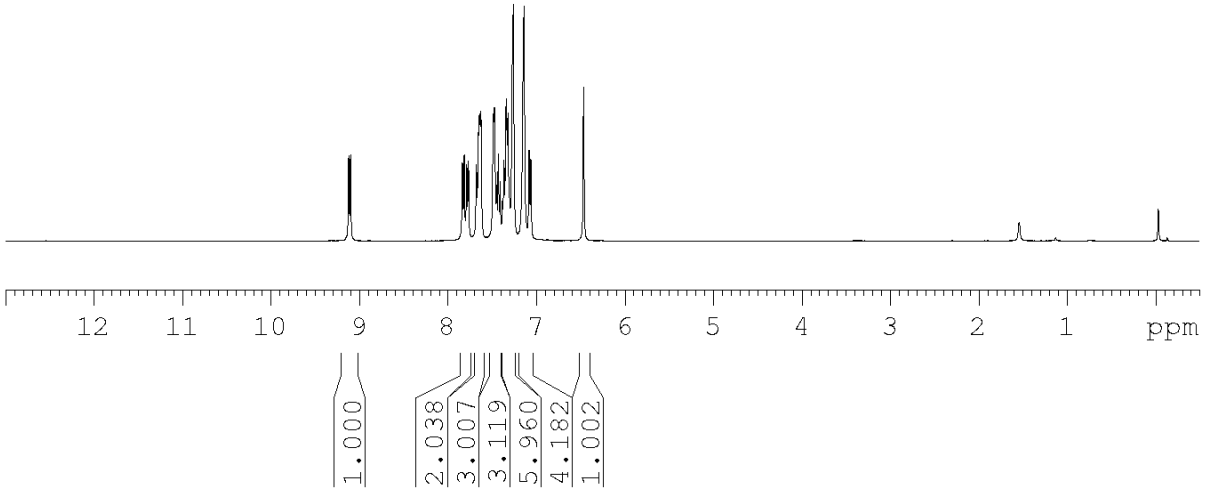
F2 - Processing parameters

SI	32768
SF	100.6127503 MHz

(Z)-4-((E)-benzylidene)-3-(naphthalen-1-yl)-6-phenylhex-2-en-5-ynal (4h)

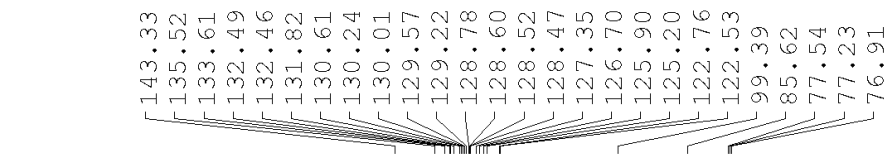


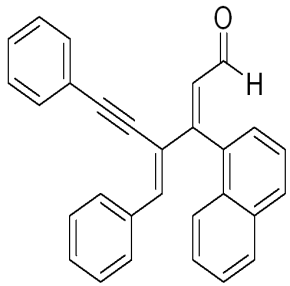


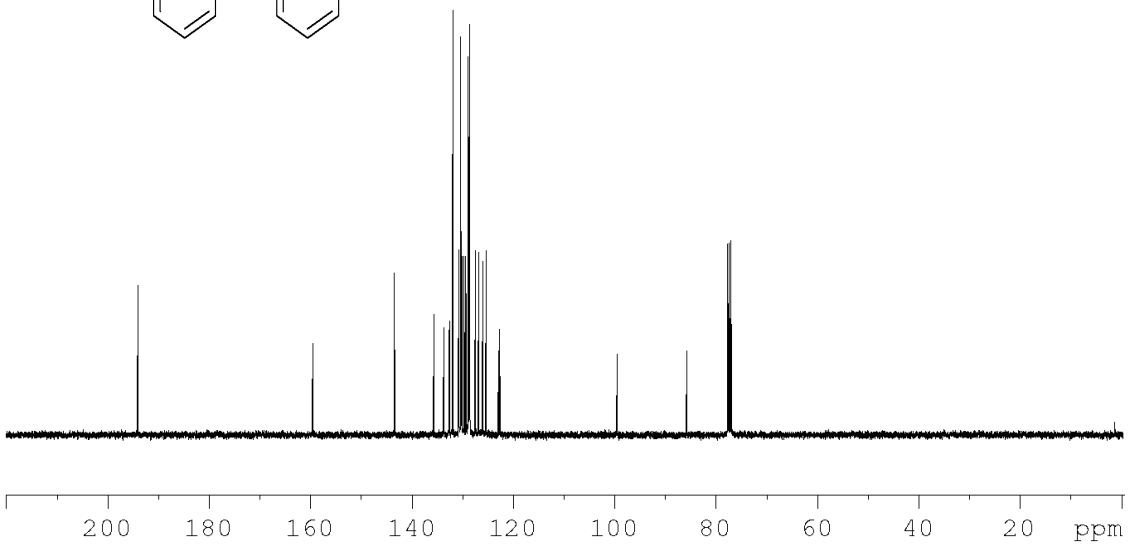



```
Current Data Parameters
NAME                  lio-1
EXPNO                   103
PROCNO                    1

F2 - Acquisition Parameters
Date_              20131101
Time                   0.18
INSTRUM               spect
PROBHD    5 mm BBO BB-1H
PULPROG                zg30
TD                    32768
SOLVENT               CDCl3
NS                        8
DS                        0
SWH                7246.377 Hz
FIDRES            0.221142 Hz
AQ                2.2609921 sec
RG                       57
DW                   69.000 usec
DE                    6.50 usec
TE                   300.4 K
D1              2.00000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                     1H
P1                   11.90 usec
PL1                   3.00 dB
SFO1          400.1324008 MHz

F2 - Processing parameters
SI                    16384
SF            400.1300828 MHz
WDW                      EM
SSB       0
LB        0 Hz
GB        0
PC                    1.00
```

(Z)-4-((E)-benzylidene)-3-(naphthalen-1-yl)-6-phenylhex-2-en-5-ynal (4h)







Current Data Parameters

NAME	lio-1
EXPNO	104
PROCNO	1

F2 - Acquisition Parameters

Date_	20131101
Time	0.32
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	300
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	300.7 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 ========

NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

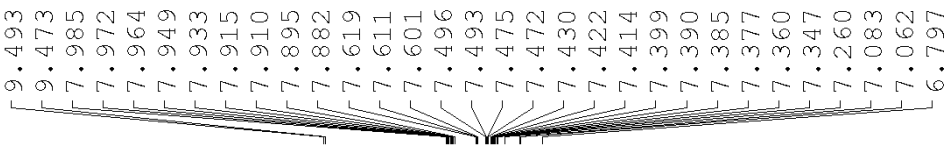
======== CHANNEL f2 ========

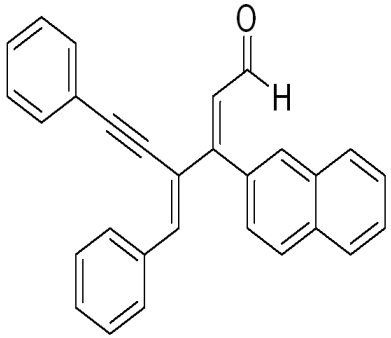
CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

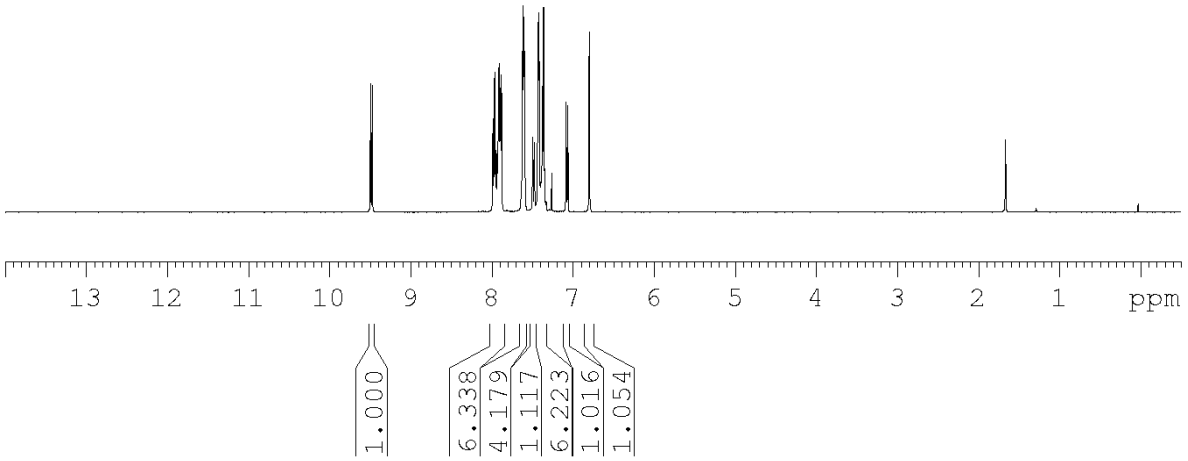
F2 - Processing parameters

SI	32768
SF	100.6127587 MHz

(E)-4-((E)-benzylidene)-3-(naphthalen-2-yl)-6-phenylhex-2-en-5-ynal (4i)







Current Data Parameters

NAME	lio-1
EXPNO	105
PROCNO	1

F2 - Acquisition Parameters

Date_	20130917
Time	22.11
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	16
DS	0
SWH	7246.377 Hz
FIDRES	0.221142 Hz
AQ	2.2609921 sec
RG	114
DW	69.000 usec
DE	6.50 usec
TE	299.0 K
D1	2.00000000 sec
TD0	1

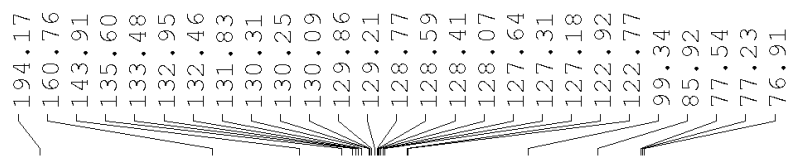
======== CHANNEL f1 ========

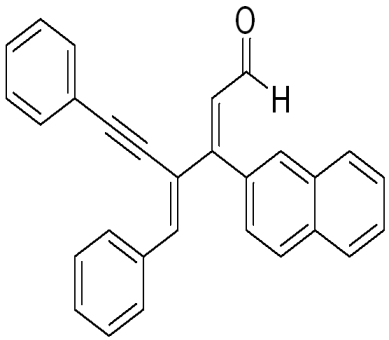
NUC1	1H
P1	11.90 usec
PL1	3.00 dB
SFO1	400.1324008 MHz

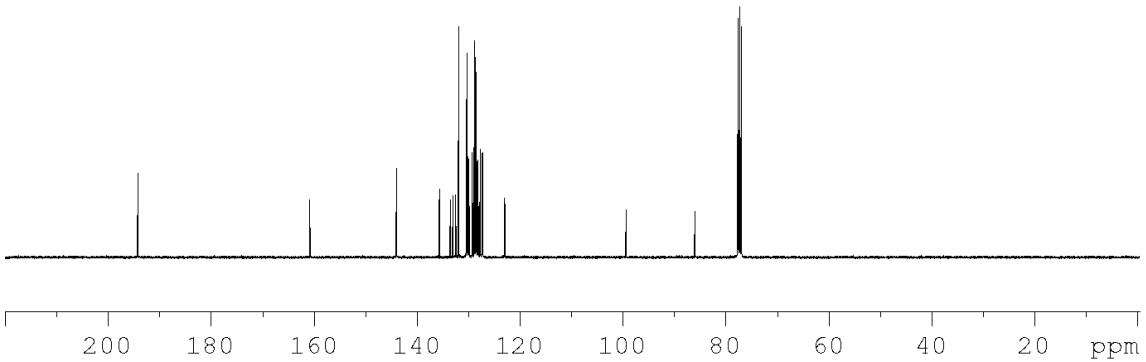
F2 - Processing parameters

SI	16384
SF	400.1300093 MHz
WDW	EM
SSB	0
LB	0 Hz
GB	0
PC	1.00

(E)-4-((E)-benzylidene)-3-(naphthalen-2-yl)-6-phenylhex-2-en-5-ynal (4i)







Current Data Parameters

NAME	lio-1
EXPNO	106
PROCNO	1

F2 - Acquisition Parameters

Date_	20130917
Time	22.13
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	1587
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	299.0 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

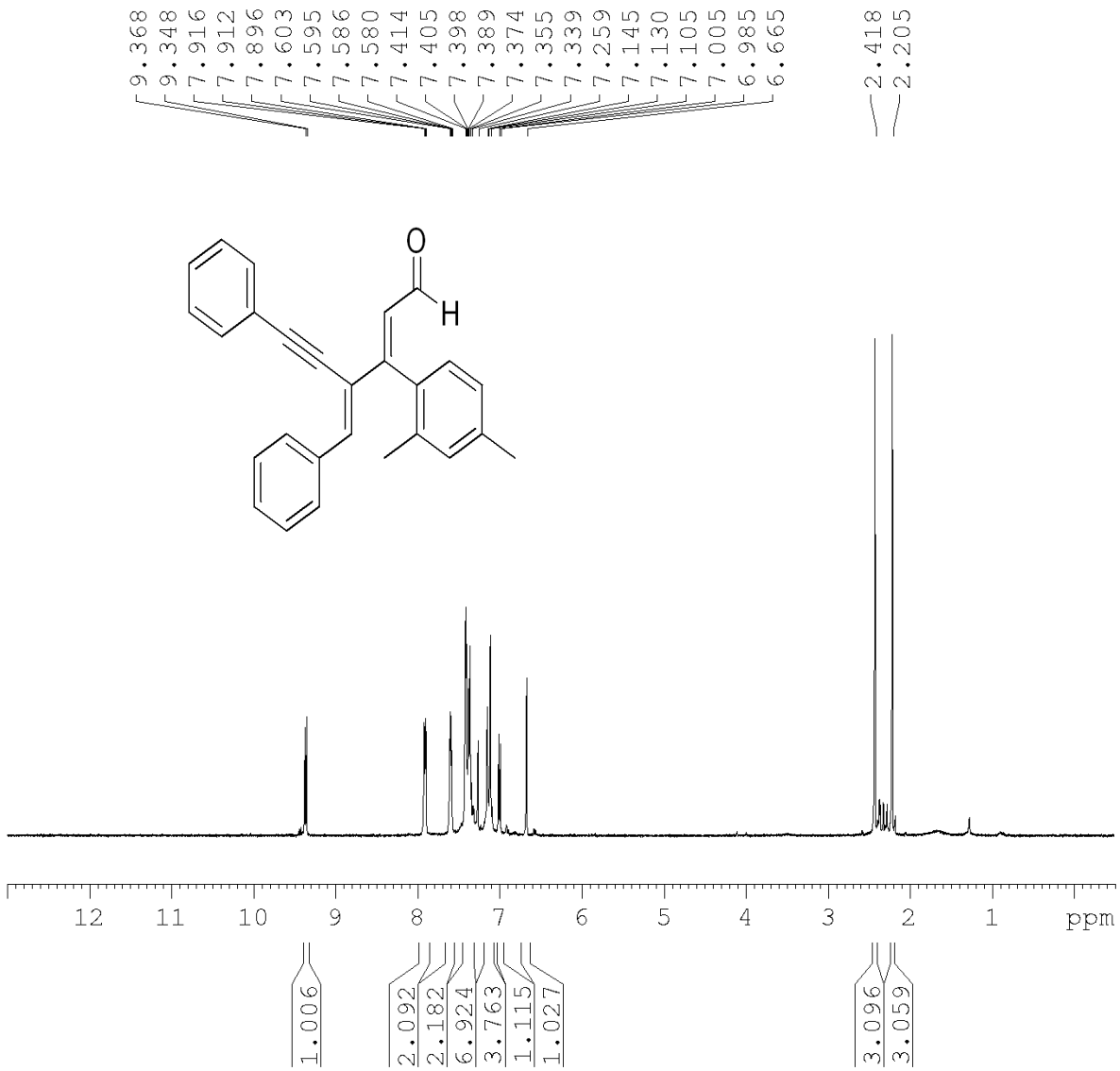
======== CHANNEL f2 =======

CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

F2 - Processing parameters

SI	32768
SF	100.6127539 MHz

(E)-4-((E)-benzylidene)-3-(2,4-dimethylphenyl)-6-phenylhex-2-en-5-ynal (4j)



Current Data Parameters

NAME	lio-1
EXPNO	107
PROCNO	1

F2 - Acquisition Parameters

Date_	20131115
Time	2.02
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	1
DS	0
SWH	7246.377 Hz
FIDRES	0.221142 Hz
AQ	2.2609921 sec
RG	161.3
DW	69.000 usec
DE	6.50 usec
TE	300.3 K
D1	2.00000000 sec
TD0	1

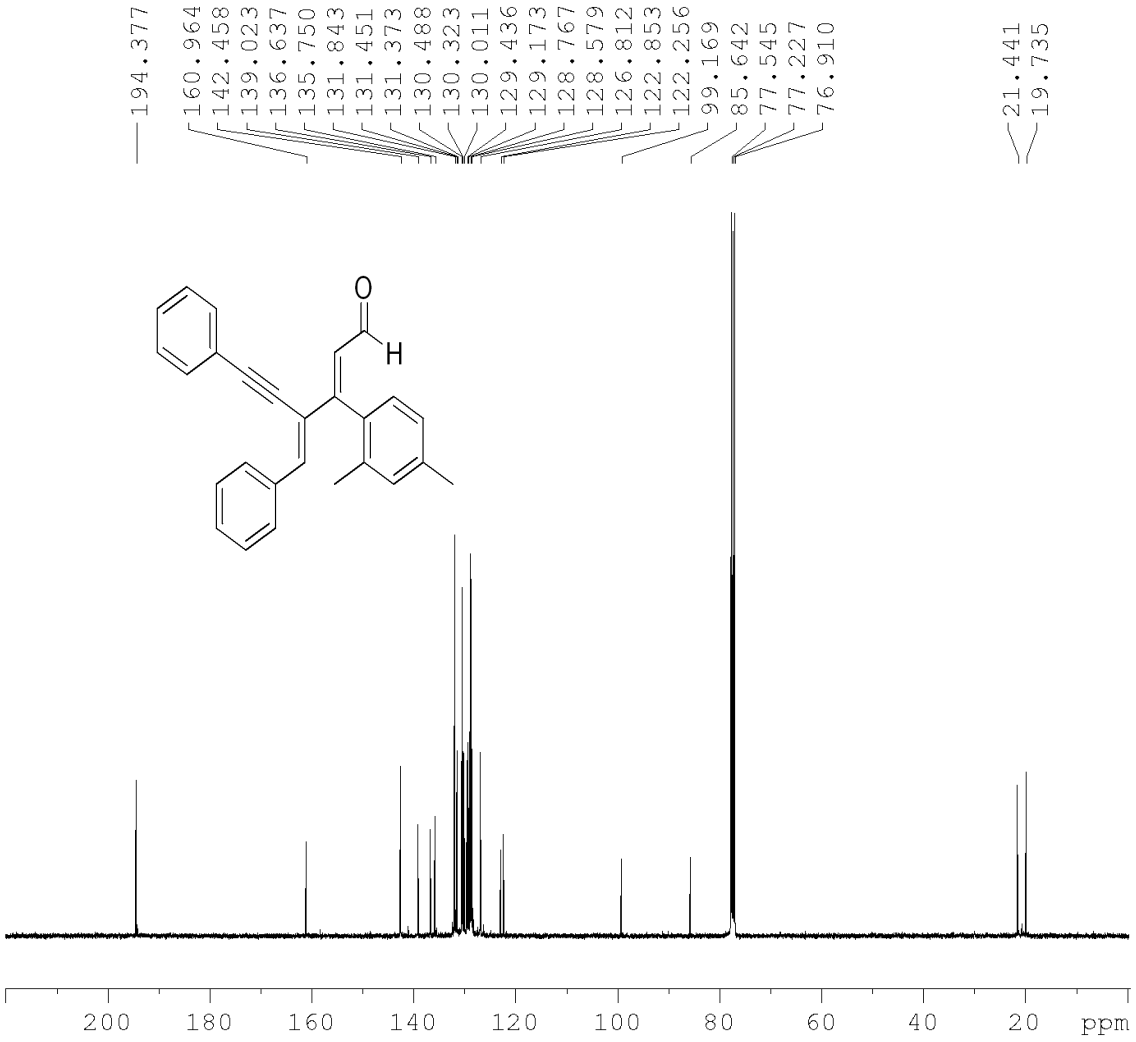
======== CHANNEL f1 ========

NUC1	1H
P1	11.90 usec
PL1	3.00 dB
SFO1	400.1324008 MHz

F2 - Processing parameters

SI	16384
SF	400.1300094 MHz
WDW	EM
SSB	0
LB	0 Hz
GB	0
PC	1.00

(E)-4-((E)-benzylidene)-3-(2,4-dimethylphenyl)-6-phenylhex-2-en-5-ynal (4j)



Current Data Parameters

NAME	lio-1
EXPNO	108
PROCNO	1

F2 - Acquisition Parameters

Date_	20131115
Time	2.03
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	7901
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	46341
DW	20.800 use
DE	6.50 use
TE	300.3 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

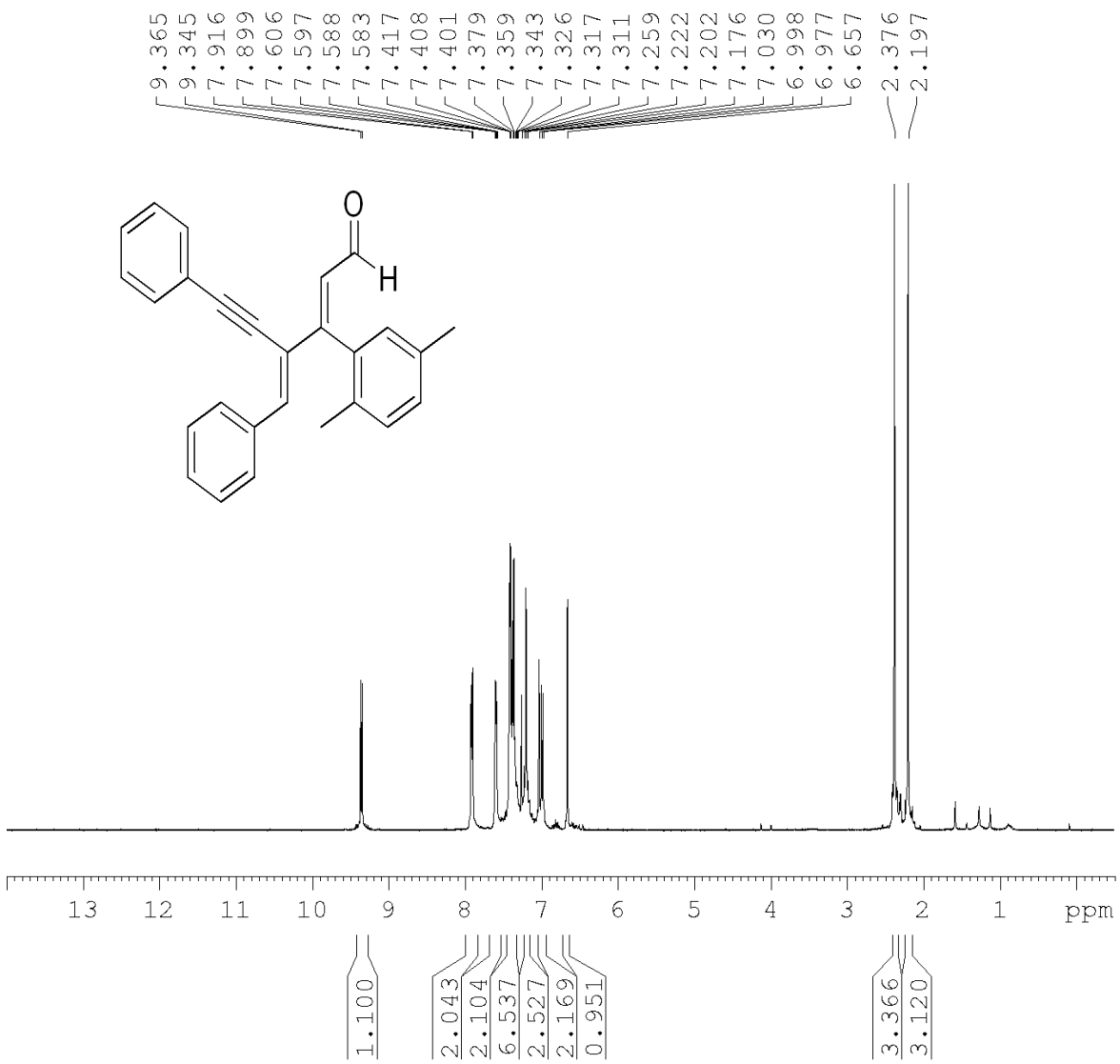
======== CHANNEL f2 =======

CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

F2 - Processing parameters

SI	32768
SF	100.6127492 MHz

(E)-4-((E)-benzylidene)-3-(2,5-dimethylphenyl)-6-phenylhex-2-en-5-ynal (4k)



Current Data Parameters

NAME	lio-1
EXPNO	109
PROCNO	1

F2 - Acquisition Parameters

Date_	20131107
Time	22.09
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	8
DS	0
SWH	7246.377 Hz
FIDRES	0.221142 Hz
AQ	2.2609921 sec
RG	181
DW	69.000 usec
DE	6.50 usec
TE	300.0 K
D1	2.00000000 sec
TD0	1

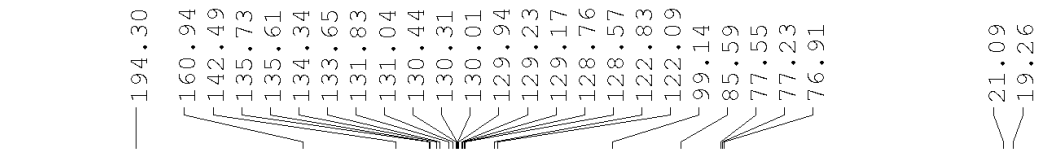
======== CHANNEL f1 ========

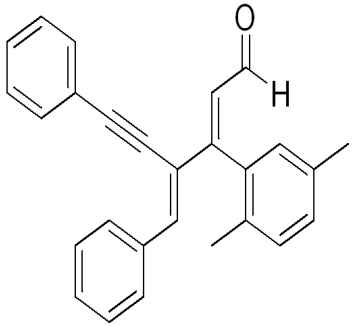
NUC1	1H
P1	11.90 usec
PL1	3.00 dB
SFO1	400.1324008 MHz

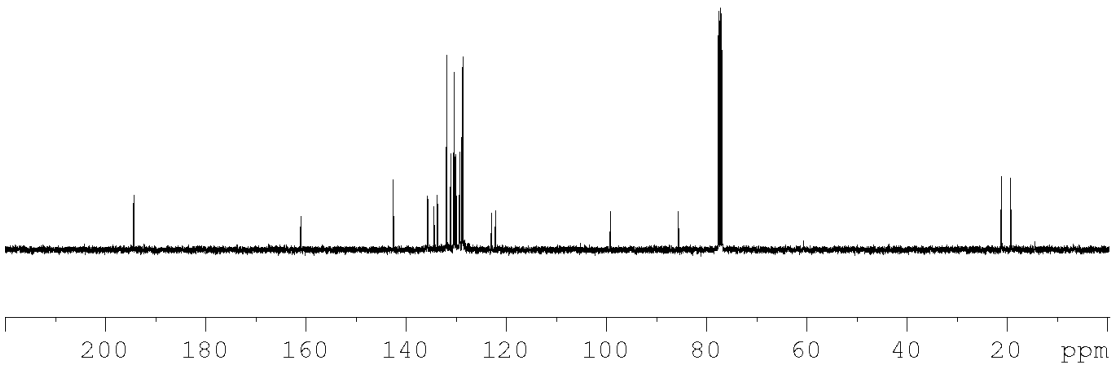
F2 - Processing parameters

SI	16384
SF	400.1300098 MHz
WDW	EM
SSB	0
LB	0 Hz
GB	0
PC	1.00

(E)-4-((E)-benzylidene)-3-(2,5-dimethylphenyl)-6-phenylhex-2-en-5-ynal (4k)







Current Data Parameters

NAME	lio-1
EXPNO	110
PROCNO	1

F2 - Acquisition Parameters

Date_	20131107
Time	22.19
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	205
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	300.3 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	13C
P1	10.50 use
PL1	7.00 dB
SFO1	100.6233325 MHz

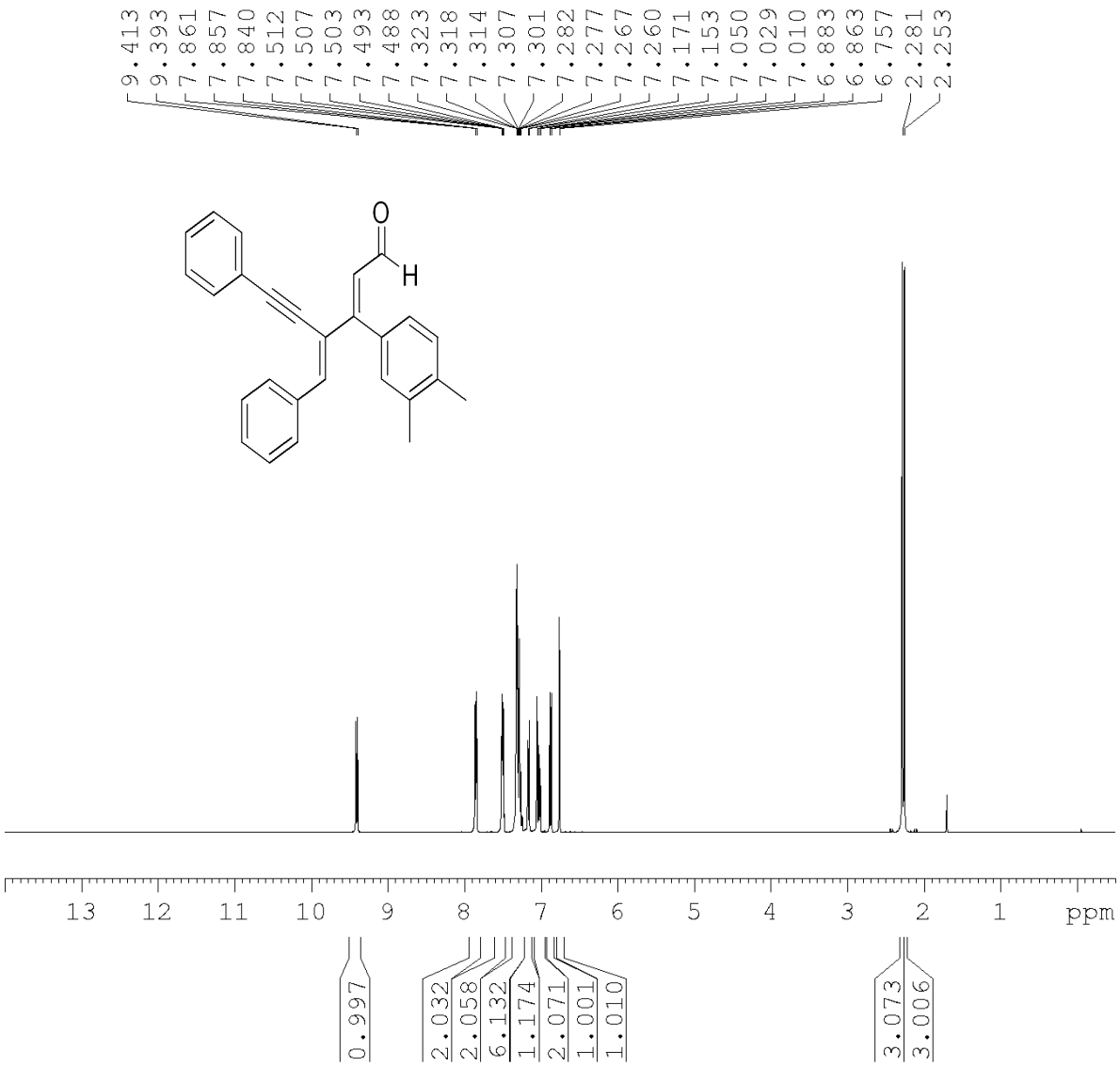
======== CHANNEL f2 =======

CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	-0.60 dB
PL12	15.00 dB
PL13	18.00 dB
SFO2	400.1316005 MHz

F2 - Processing parameters

SI	32768
SF	100.6127518 MHz

(E)-4-((E)-benzylidene)-3-(3,4-dimethylphenyl)-6-phenylhex-2-en-5-ynal (4l)



Current Data Parameters

NAME	lio-1
EXPNO	113
PROCNO	1

F2 - Acquisition Parameters

Date_	20131101
Time	0.56
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	8
DS	0
SWH	7246.377 Hz
FIDRES	0.221142 Hz
AQ	2.2609921 sec
RG	45.3
DW	69.000 usec
DE	6.50 usec
TE	300.6 K
D1	2.00000000 sec
TD0	1

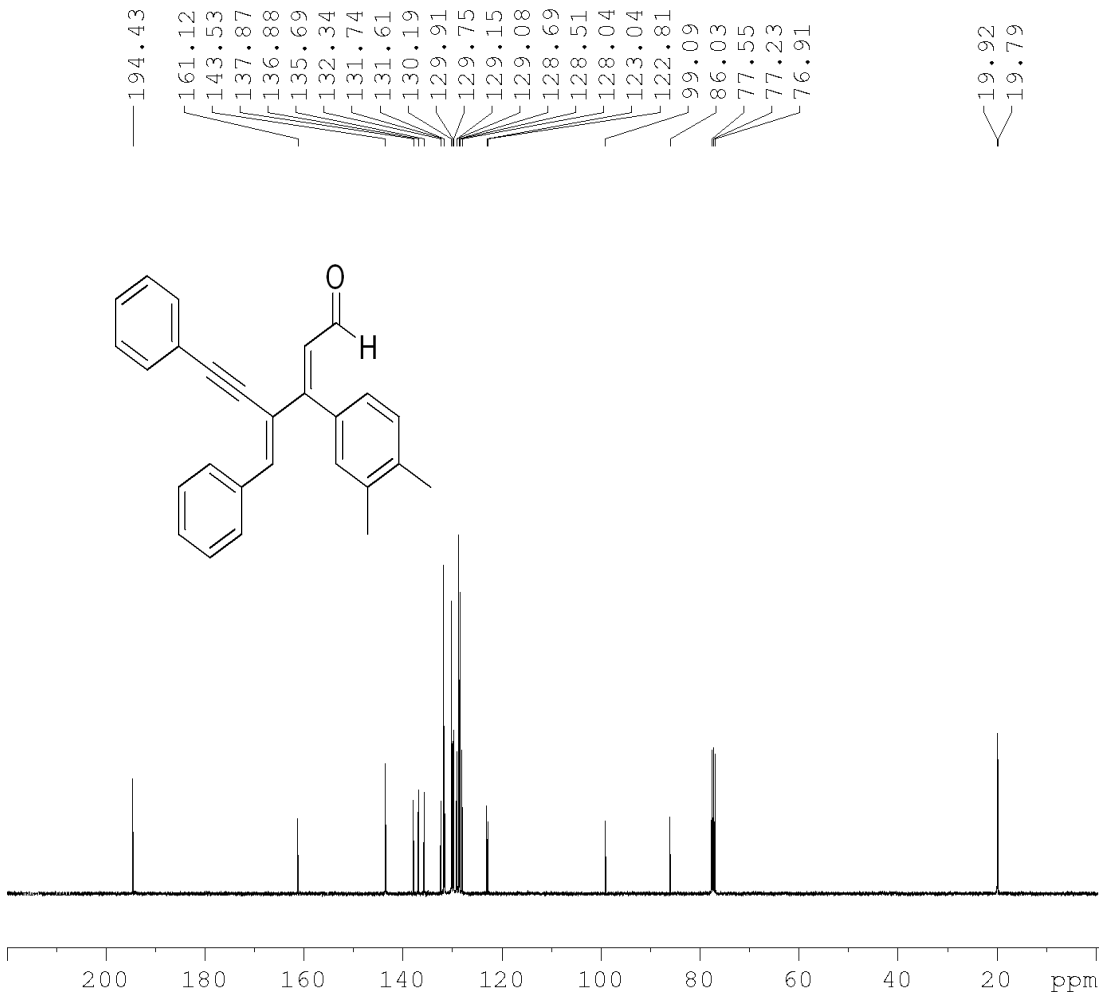
======== CHANNEL f1 ========

NUC1	1H
P1	11.90 usec
PL1	3.00 dB
SFO1	400.1324008 MHz

F2 - Processing parameters

SI	16384
SF	400.1300460 MHz
WDW	EM
SSB	0
LB	0 Hz
GB	0
PC	1.00

(E)-4-((E)-benzylidene)-3-(3,4-dimethylphenyl)-6-phenylhex-2-en-5-ynal (4l)



Current Data Parameters	
NAME	lio-1
EXPNO	114
PROCNO	1

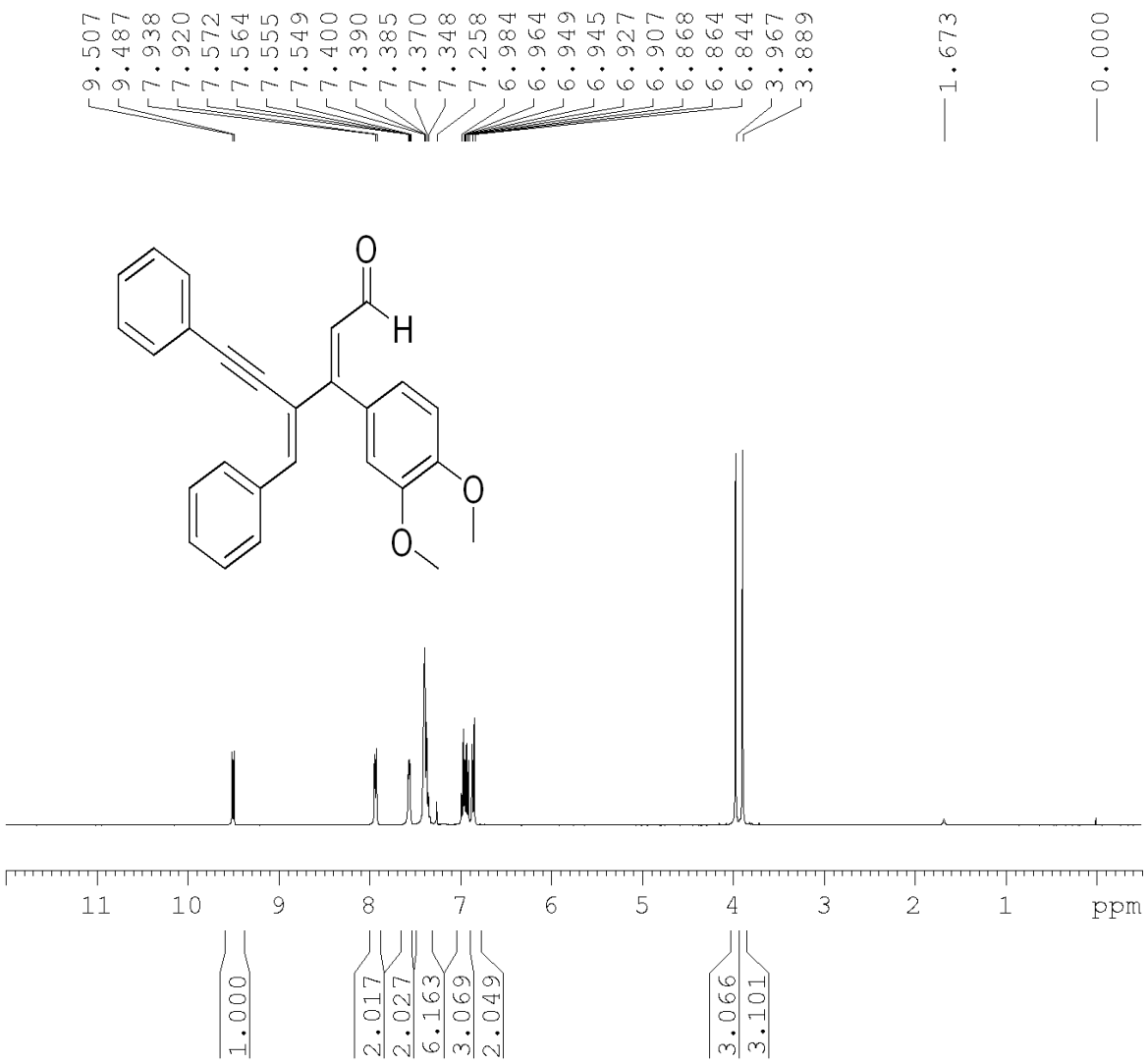
F2 - Acquisition Parameters	
Date_	20131101
Time	0.54
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	300
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	300.7 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======	
NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

======== CHANNEL f2 =======	
CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

F2 - Processing parameters	
SI	32768
SF	100.6127598 MHz

(E)-4-((E)-benzylidene)-3-(3,4-dimethoxyphenyl)-6-phenylhex-2-en-5-ynal (4m)



Current Data Parameters

NAME	lio-1
EXPNO	115
PROCNO	1

F2 - Acquisition Parameters

Date_	20131006
Time	21.06
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	8
DS	0
SWH	7246.377 Hz
FIDRES	0.221142 Hz
AQ	2.2609921 sec
RG	114
DW	69.000 usec
DE	6.50 usec
TE	299.3 K
D1	2.00000000 sec
TD0	1

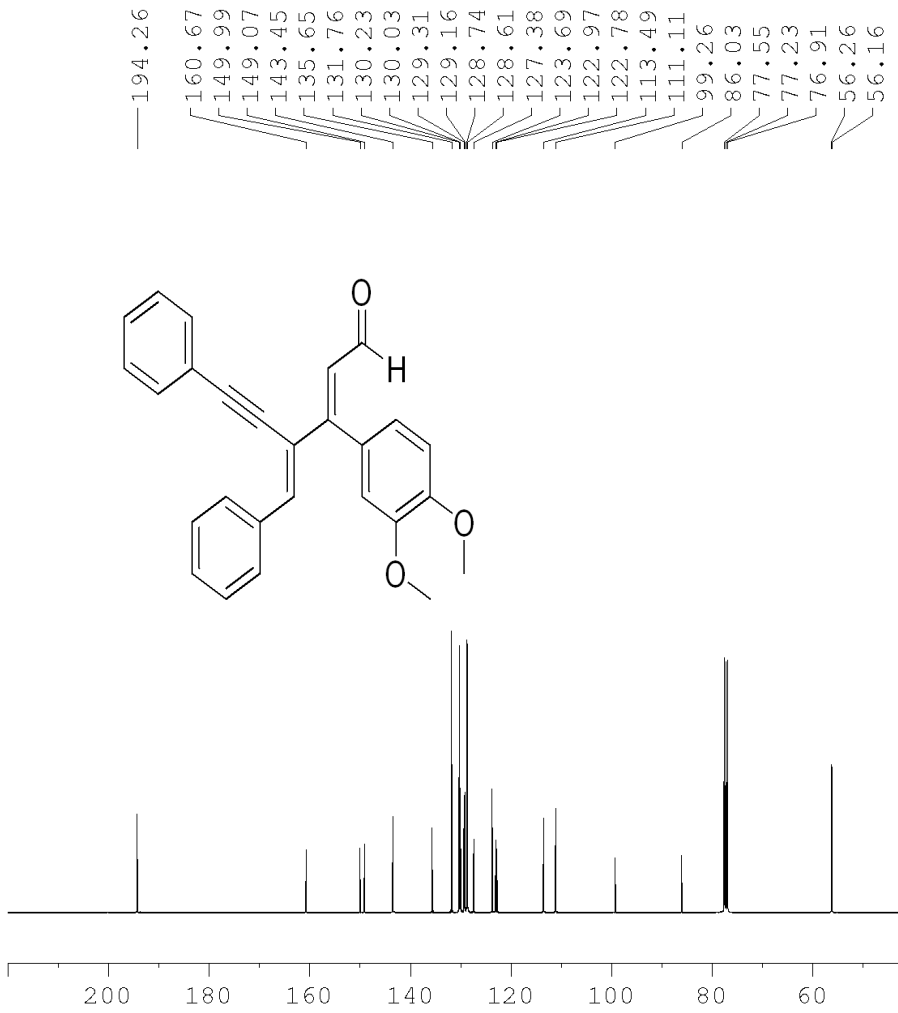
======== CHANNEL f1 ========

NUC1	1H
P1	11.90 usec
PL1	3.00 dB
SFO1	400.1324008 MHz

F2 - Processing parameters

SI	16384
SF	400.1300102 MHz
WDW	EM
SSB	0
LB	0 Hz
GB	0
PC	1.00

(E)-4-((E)-benzylidene)-3-(3,4-dimethoxyphenyl)-6-phenylhex-2-en-5-ynal (4m)



Current Data Parameters

NAME	lio-1
EXPNO	116
PROCNO	1

F2 - Acquisition Parameters

Date_	20131006
Time	23.47
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	11118
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	299.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	13C
P1	10.50 use
PL1	7.00 dB
SFO1	100.6233325 MHz

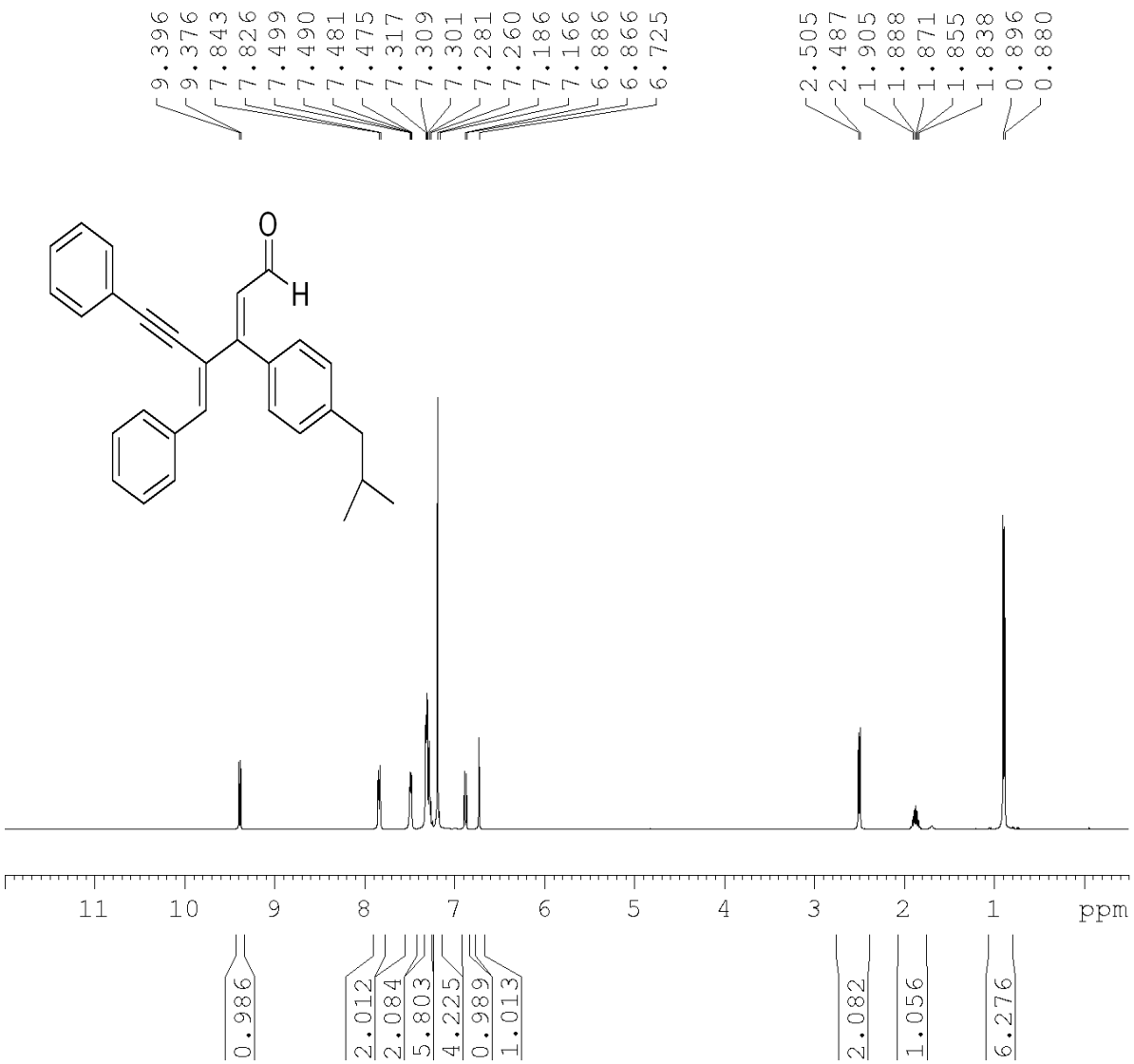
======== CHANNEL f2 =======

CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	-0.60 dB
PL12	15.00 dB
PL13	18.00 dB
SFO2	400.1316005 MHz

F2 - Processing parameters

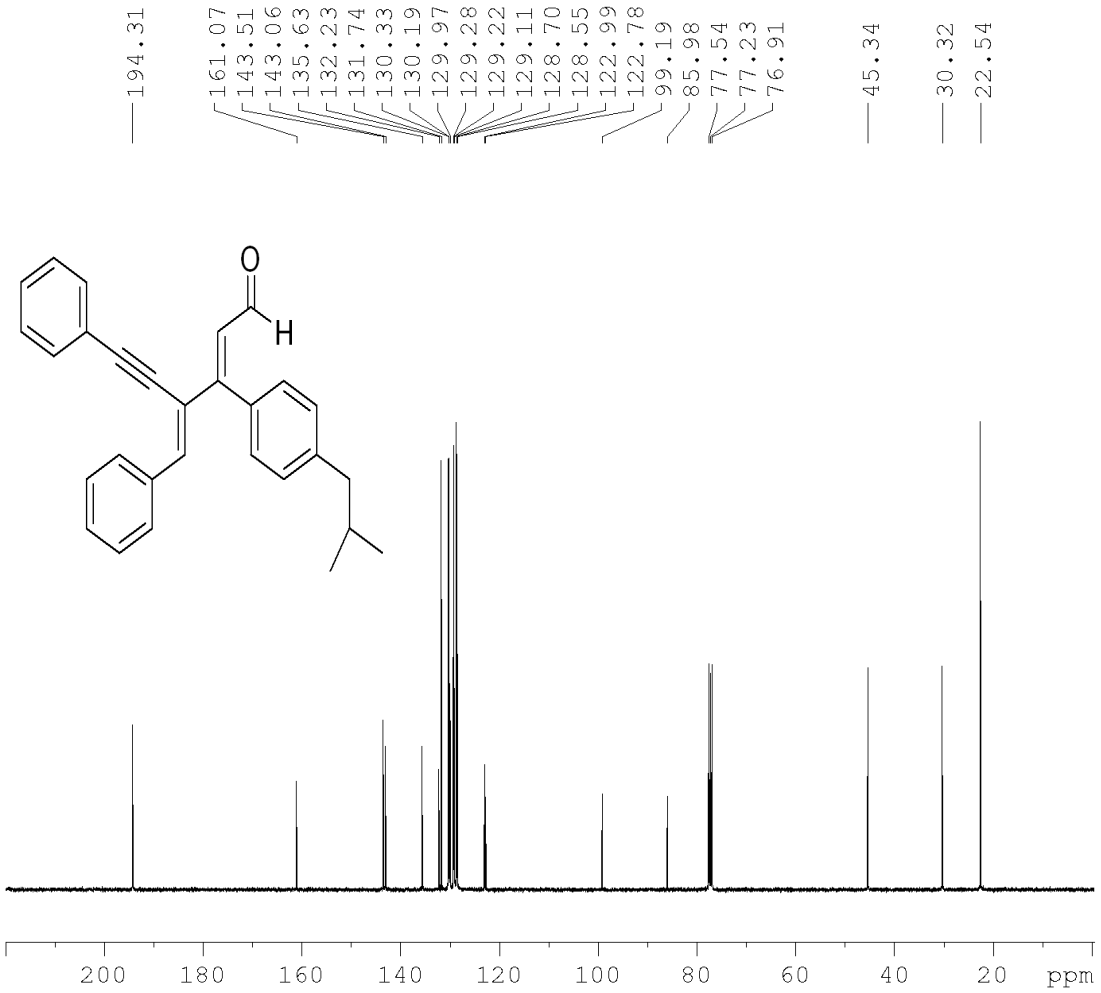
SI	32768
SF	100.6127532 MHz

(E)-4-((E)-benzylidene)-3-(4-isobutylphenyl)-6-phenylhex-2-en-5-ynal (4n)




```
Current Data Parameters
NAME                  lio-1
EXPNO                   121
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130917
Time                  23.31
INSTRUM               spect
PROBHD    5 mm BBO BB-1H
PULPROG                zg30
TD                    32768
SOLVENT               CDCl3
NS                       16
DS                        0
SWH                7246.377 Hz
FIDRES            0.221142 Hz
AQ                2.2609921 sec
RG                     35.9
DW                   69.000 usec
DE                    6.50 usec
TE                   299.2 K
D1             2.00000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                     1H
P1                   11.90 usec
PL1                   3.00 dB
SFO1          400.1324008 MHz

F2 - Processing parameters
SI                    16384
SF            400.1300468 MHz
WDW                      EM
SSB       0
LB        0 Hz
GB        0
PC                    1.00
```

(E)-4-((E)-benzylidene)-3-(4-isobutylphenyl)-6-phenylhex-2-en-5-ynal (4n)



Current Data Parameters

NAME	lio-1
EXPNO	122
PROCNO	1

F2 - Acquisition Parameters

Date_	20130917
Time	23.32
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	592
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	8192
DW	20.800 use
DE	6.50 use
TE	299.2 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	13C
P1	9.40 use
PL1	7.00 dB
SFO1	100.6233325 MHz

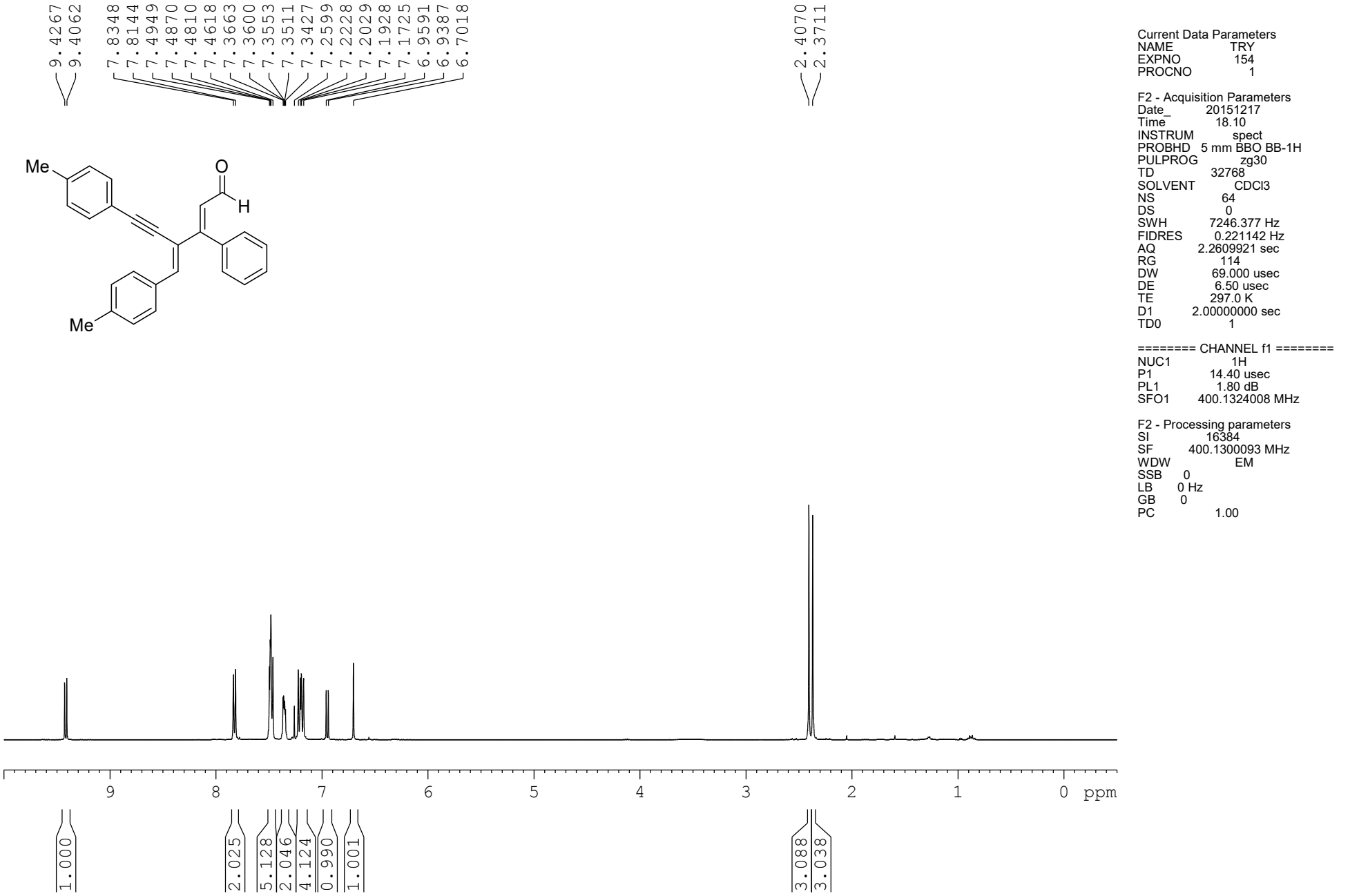
======== CHANNEL f2 =======

CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	3.00 dB
PL12	20.70 dB
PL13	23.70 dB
SFO2	400.1316005 MHz

F2 - Processing parameters

SI	32768
SF	100.6127587 MHz

(2E,4E)-4-(4-methylbenzylidene)-3-phenyl-6-(p-tolyl)hex-2-en-5-ynal (4o)



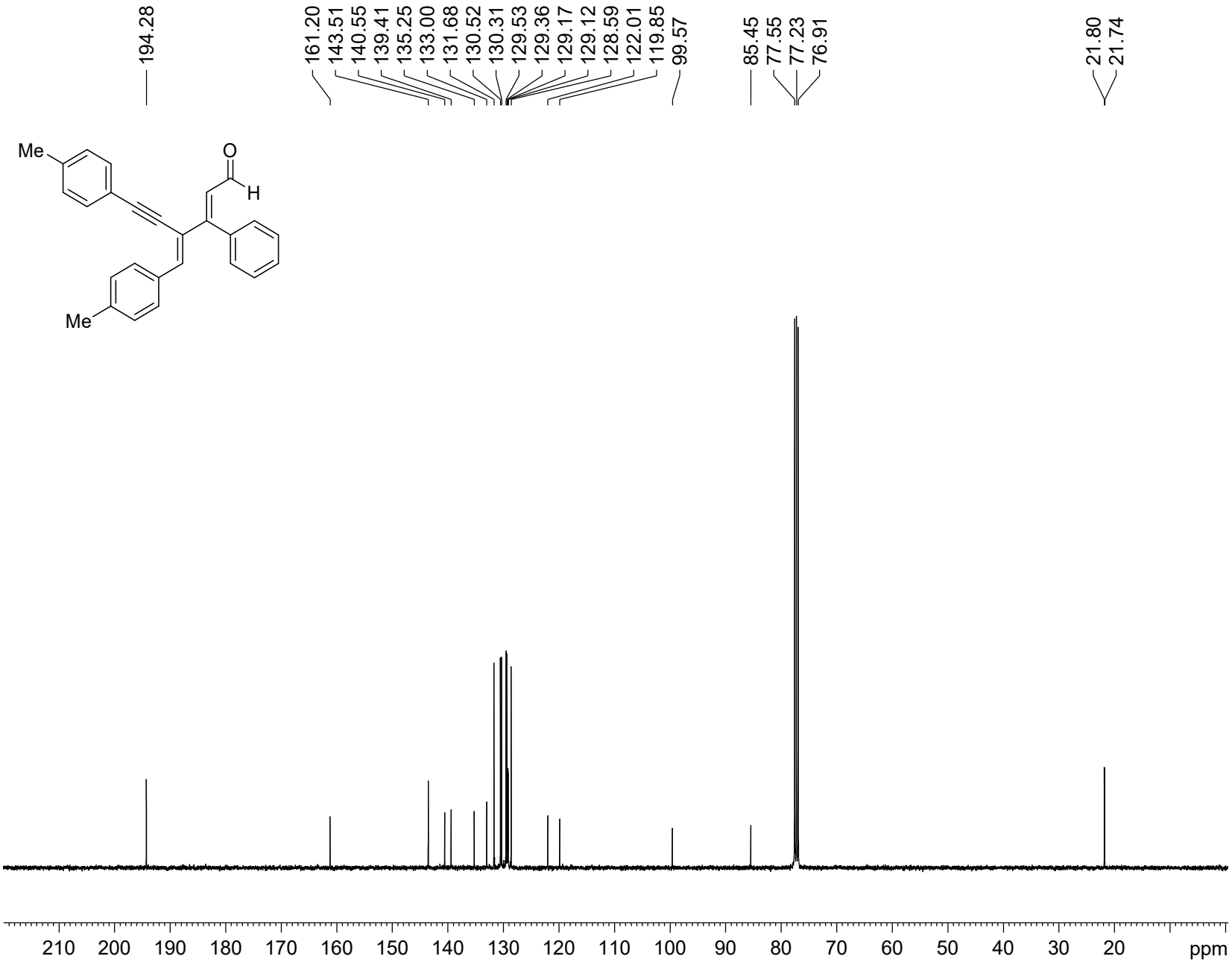
Current Data Parameters
NAME TRY
EXPNO 154
PROCNO 1

F2 - Acquisition Parameters
Date_ 20151217
Time 18.10
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 114
DW 69.000 usec
DE 6.50 usec
TE 297.0 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300093 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2E,4E)-4-(4-methylbenzylidene)-3-phenyl-6-(p-tolyl)hex-2-en-5-ynal (4o)



Current Data Parameters
NAME TRY
EXPNO 155
PROCNO 1

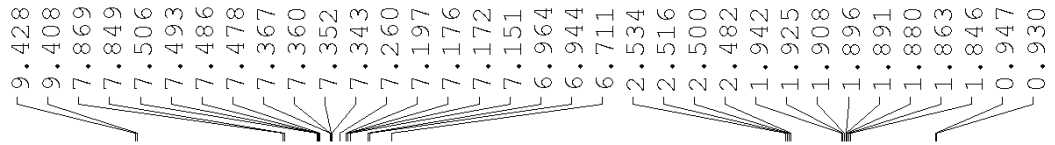
F2 - Acquisition Parameters
Date_ 20151217
Time 18.13
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1000
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 5792.6
DW 20.800 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

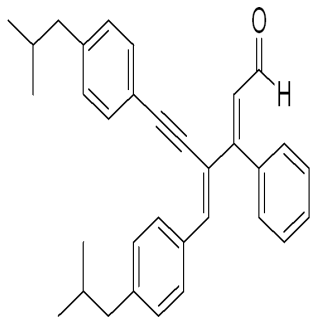
======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

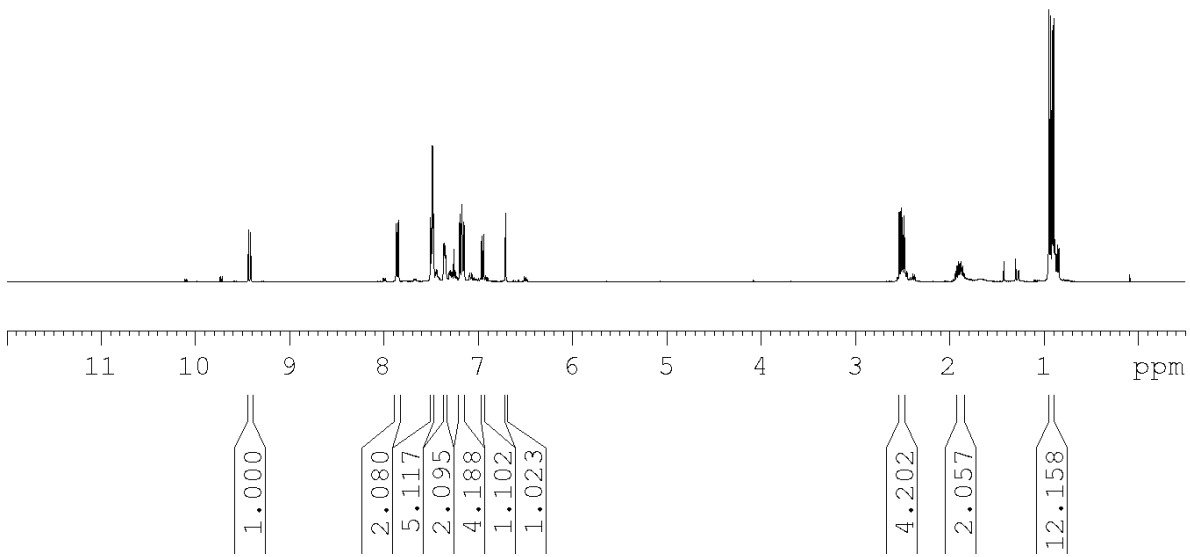
======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127499 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(E)-4-((E)-4-isobutylbenzylidene)-6-(4-isobutylphenyl)-3-phenylhex-2-en-5-ynal (4p)







Current Data Parameters

NAME	vl
EXPNO	689
PROCNO	1

F2 - Acquisition Parameters

Date_	20160828
Time	22.53
INSTRUM	spect
PROBHD	5 mm PABBO BB/
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	4
DS	0
SWH	7211.539 Hz
FIDRES	0.220079 Hz
AQ	2.2719147 sec
RG	57.42
DW	69.333 usec
DE	10.50 usec
TE	298.3 K
D1	2.00000000 sec
TD0	1

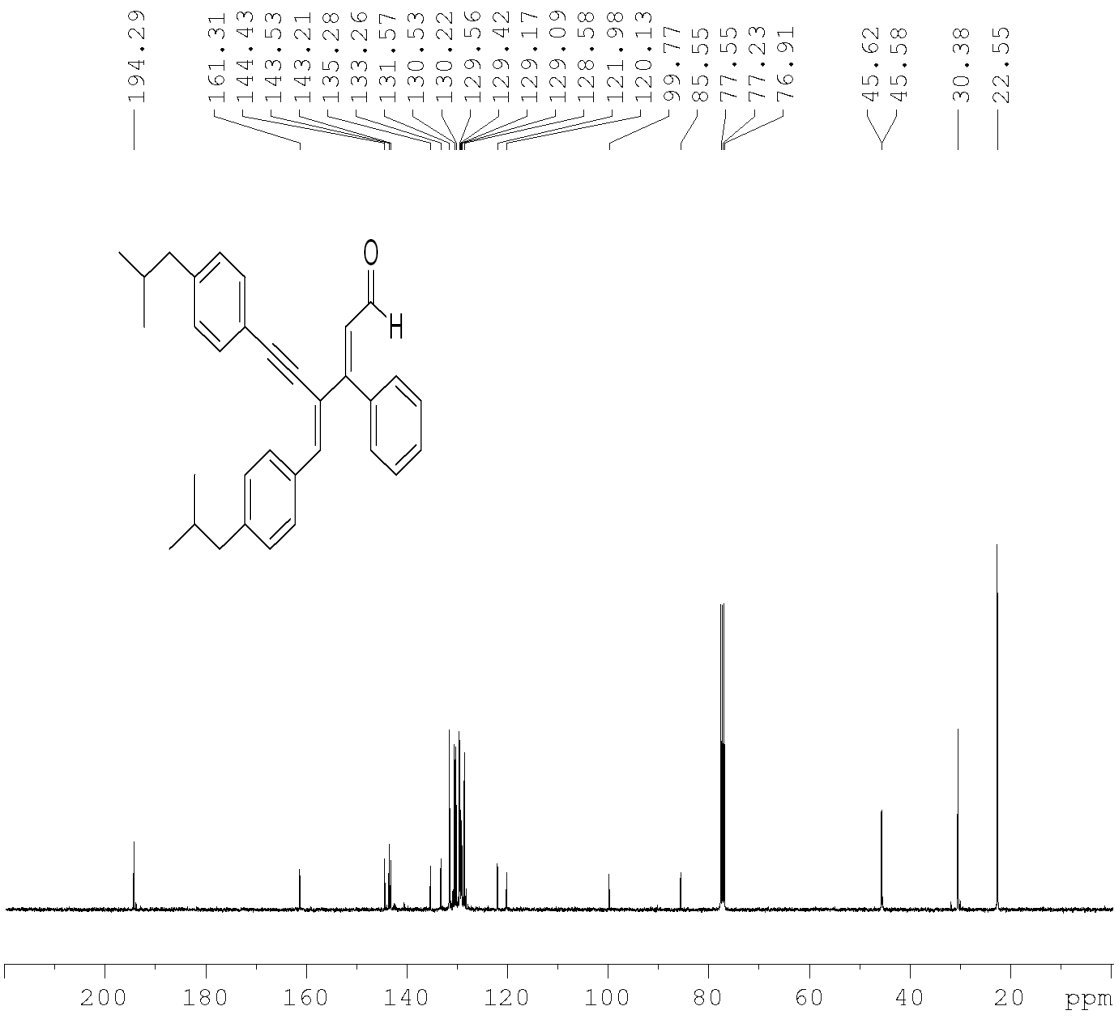
======== CHANNEL f1 ========

SFO1	400.1324008 MHz
NUC1	1H
P1	12.90 usec
PLW1	15.00000000 W

F2 - Processing parameters

SI	16384
SF	400.1300102 MHz
WDW	EM
SSB	0
LB	0 Hz
GB	0
PC	1.00

(E)-4-((E)-4-isobutylbenzylidene)-6-(4-isobutylphenyl)-3-phenylhex-2-en-5-ynal (4p)



Current Data Parameters

NAME	vl
EXPNO	690
PROCNO	1

F2 - Acquisition Parameters

Date_	20160828
Time	22.53
INSTRUM	spect
PROBHD	5 mm PABBO BB/
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	800
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	198.09
DW	20.800 use
DE	6.50 use
TE	298.4 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======

SFO1	100.6228298 MHz
NUC1	13C
P1	10.00 use
PLW1	47.50000000 W

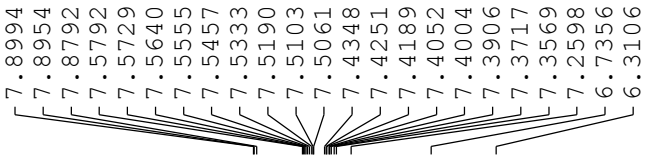
======== CHANNEL f2 =======

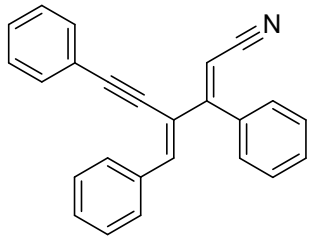
SFO2	400.1316005 MHz
NUC2	1H
CPDPRG[2	waltz16
PCPD2	90.00 use
PLW2	15.00000000 W
PLW12	0.33750001 W
PLW13	0.27338001 W

F2 - Processing parameters

SI	32768
SF	100.6127501 MHz

(2E,4E)-4-benzylidene-3,6-diphenylhex-2-en-5-ynenitrile (6a)



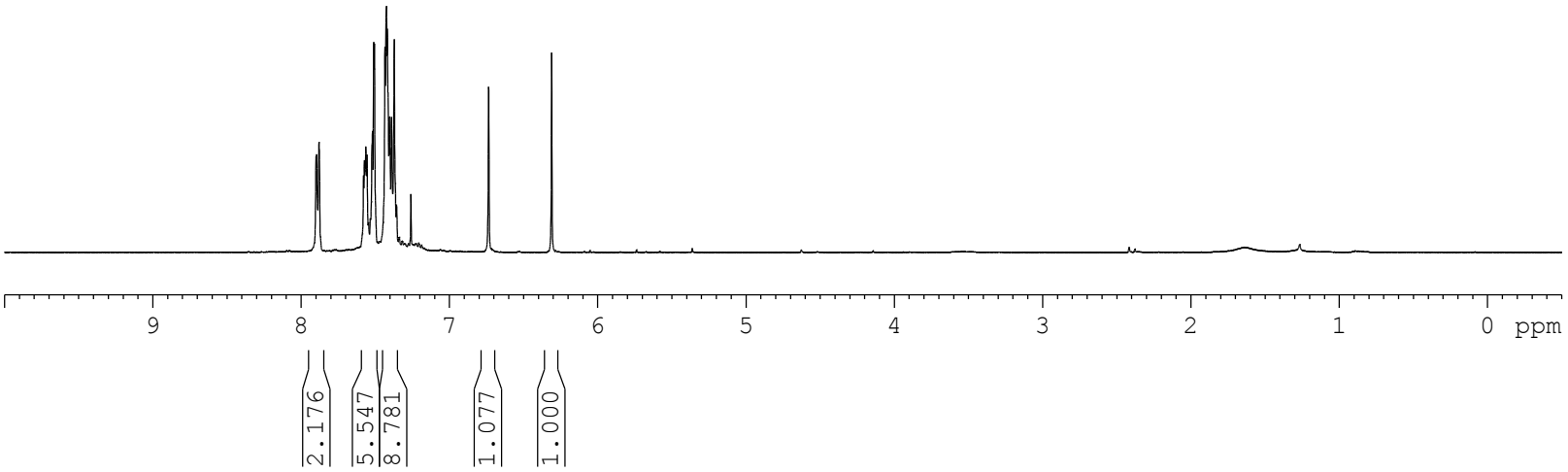


Current Data Parameters
NAME TRY
EXPNO 259
PROCNO 1

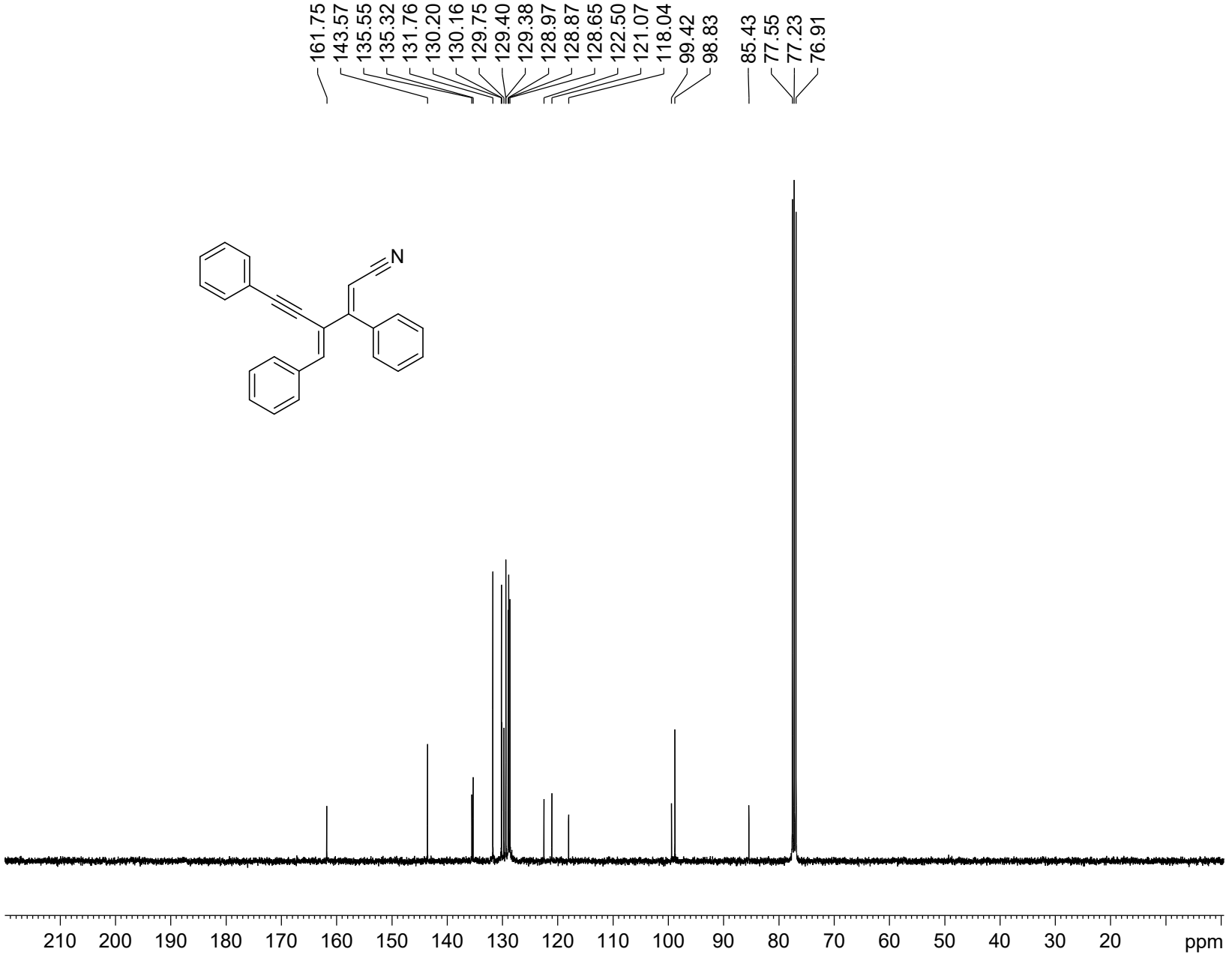
F2 - Acquisition Parameters
Date_ 20161208
Time 18.17
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 114
DW 69.000 usec
DE 6.50 usec
TE 295.5 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300096 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



(2E,4E)-4-benzylidene-3,6-diphenylhex-2-en-5-ynenitrile (6a)



Current Data Parameters
NAME TRY
EXPNO 260
PROCNO 1

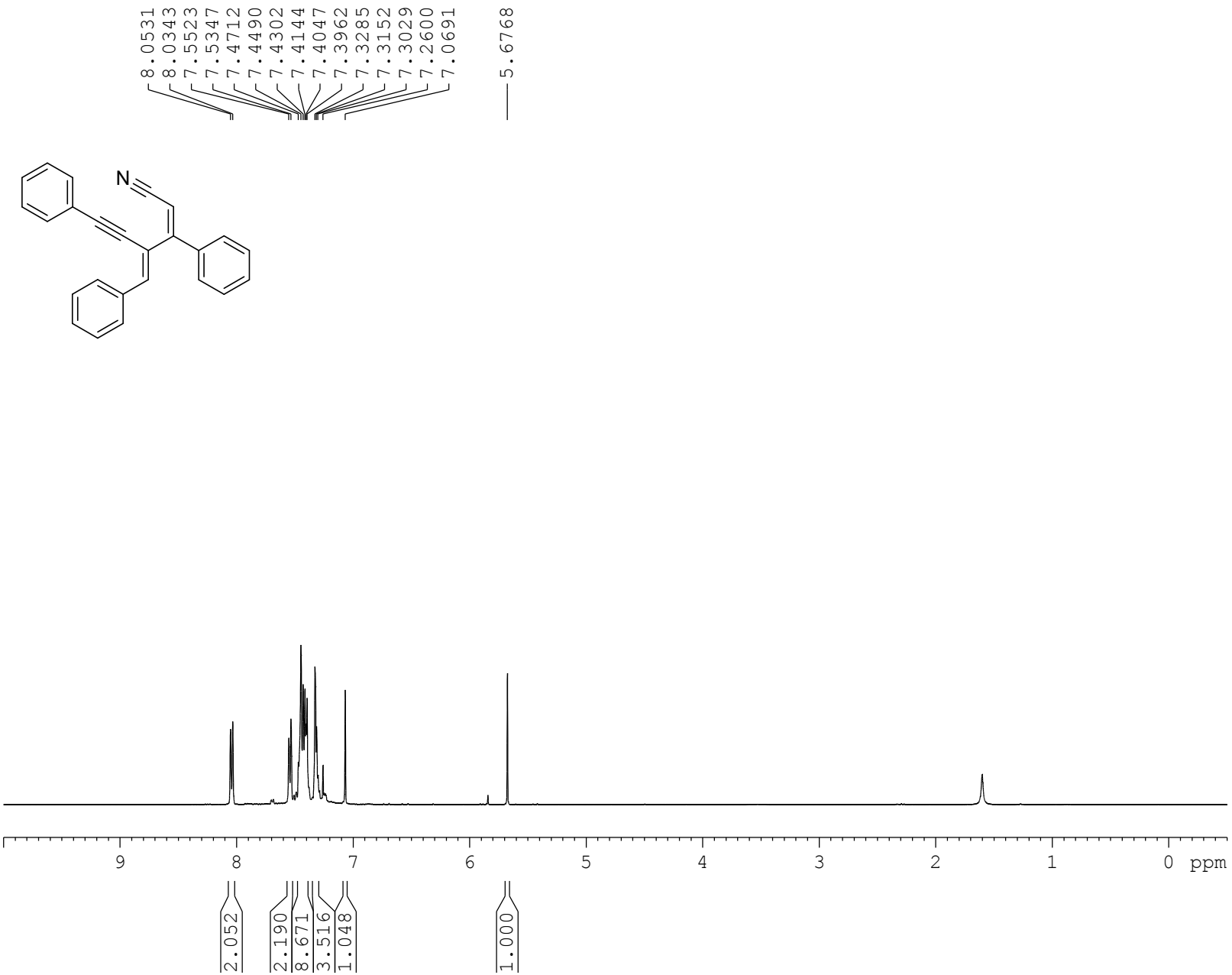
F2 - Acquisition Parameters
Date_ 20161208
Time 18.19
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1000
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 5792.6
DW 20.800 usec
DE 6.50 usec
TE 295.7 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127514 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(2Z,4E)-4-benzylidene-3,6-diphenylhex-2-en-5-ynenitrile (6'a)



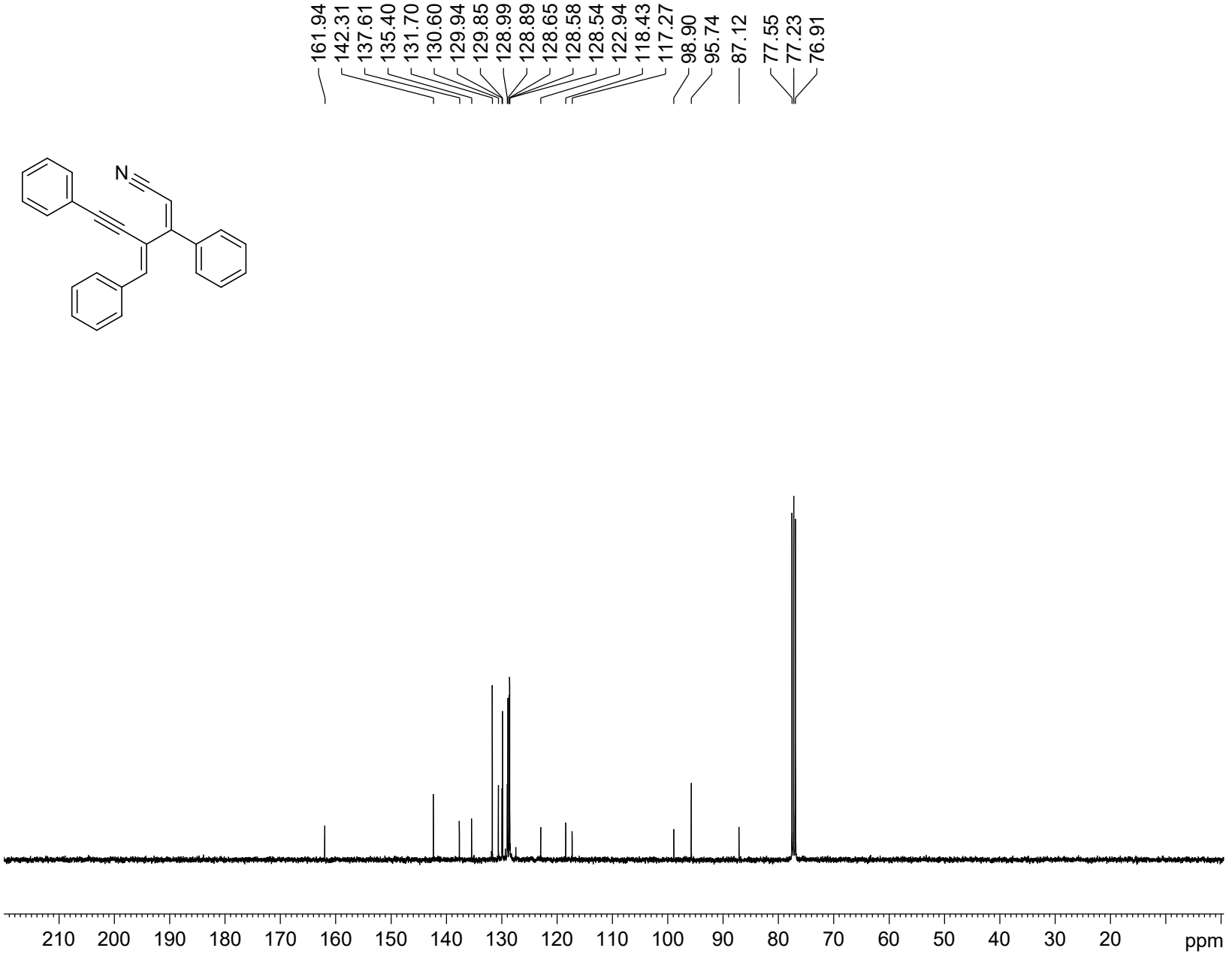
Current Data Parameters
NAME test
EXPNO 6
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170619
Time 15.42
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 114
DW 69.000 usec
DE 6.50 usec
TE 297.5 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 16.80 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300094 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2Z,4E)-4-benzylidene-3,6-diphenylhex-2-en-5-ynenitrile (6'a)



Current Data Parameters
NAME test
EXPNO 7
PROCNO 1

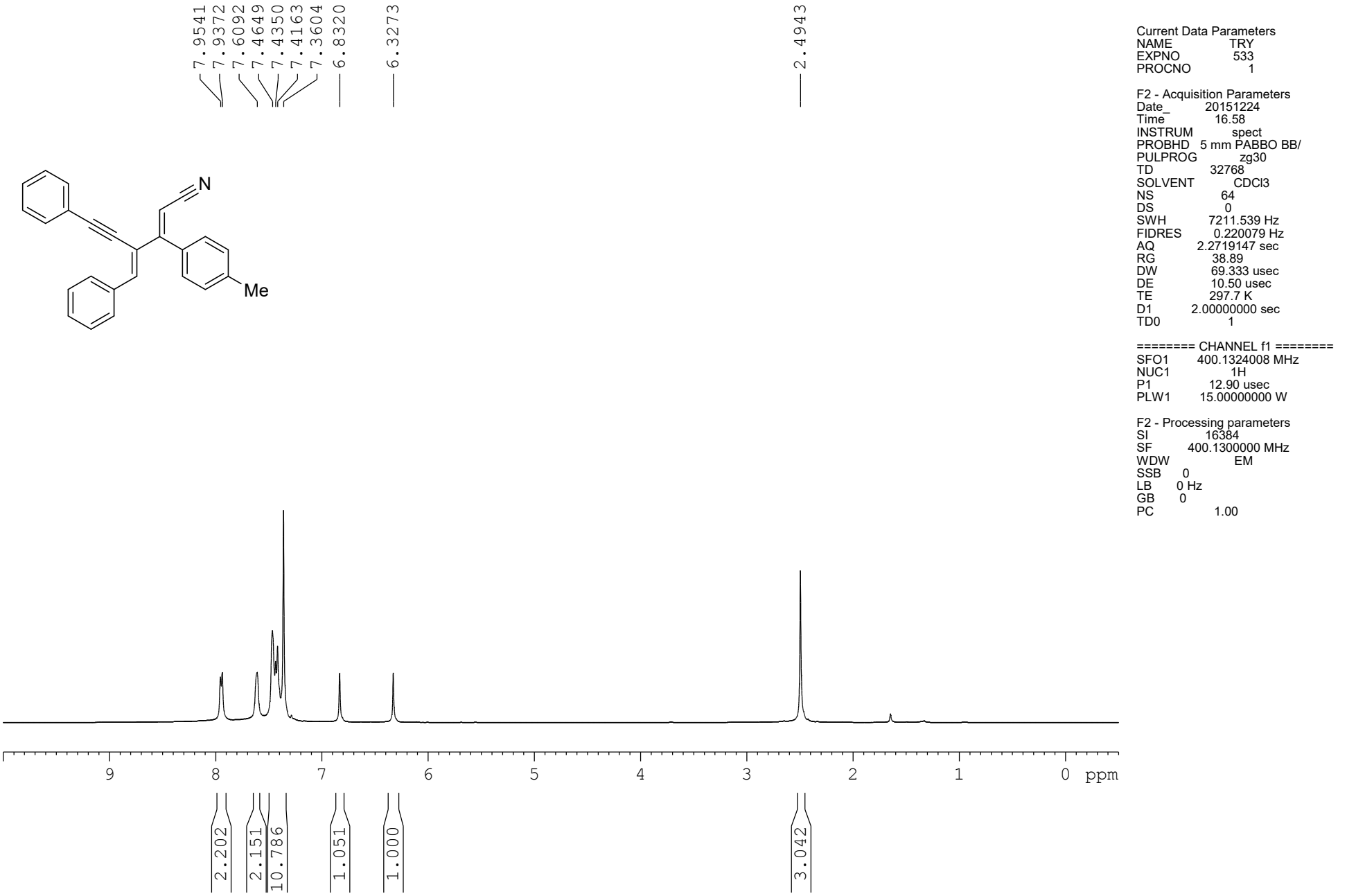
F2 - Acquisition Parameters
Date_ 20170619
Time 15.45
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 333
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 5792.6
DW 20.800 usec
DE 6.50 usec
TE 297.6 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 13C
P1 10.45 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 15.68 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127514 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(2E,4E)-4-benzylidene-6-phenyl-3-(p-tolyl)hex-2-en-5-ynenitrile (6b)



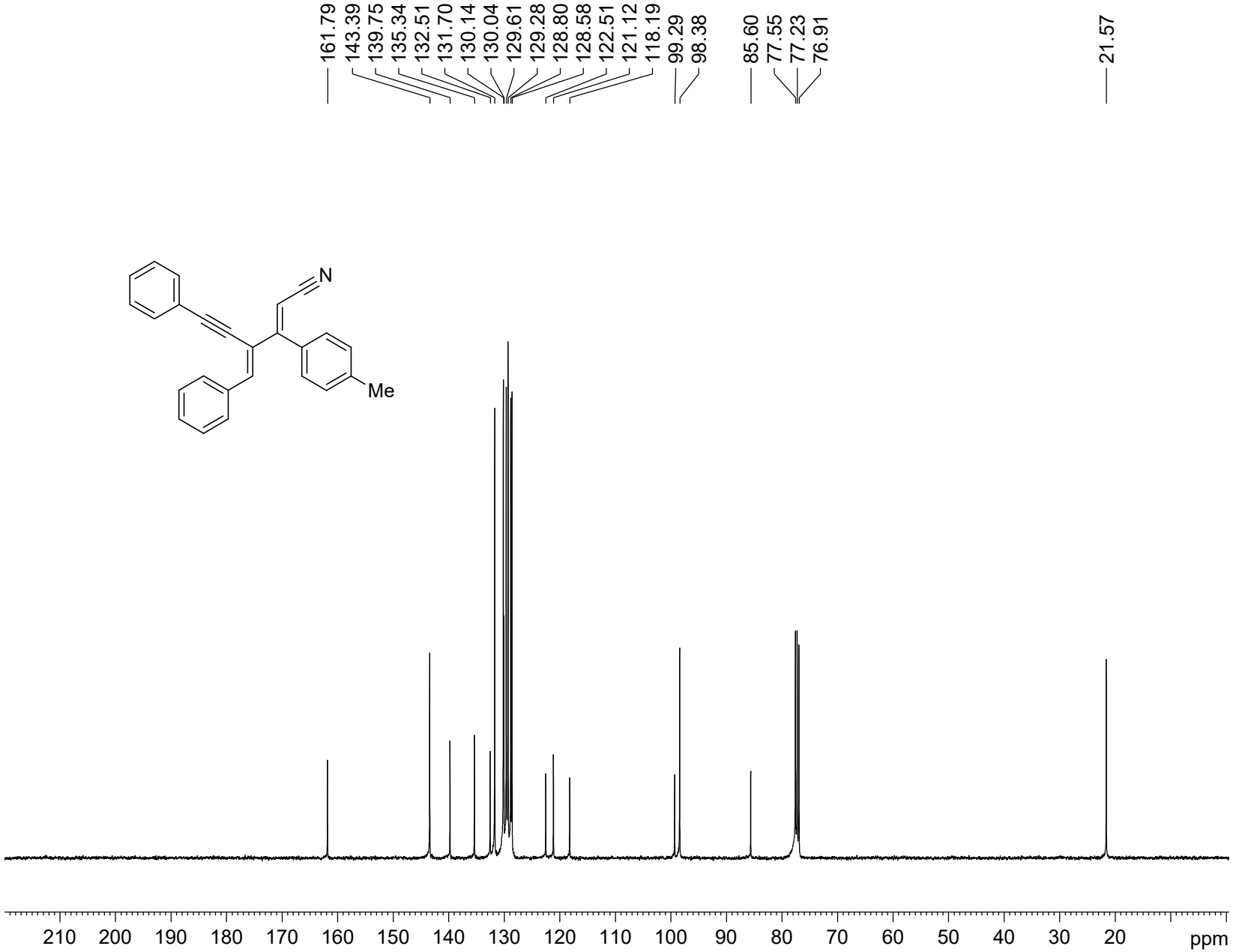
Current Data Parameters
NAME TRY
EXPNO 533
PROCNO 1

F2 - Acquisition Parameters
Date_ 20151224
Time 16.58
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 7211.539 Hz
FIDRES 0.220079 Hz
AQ 2.2719147 sec
RG 38.89
DW 69.333 usec
DE 10.50 usec
TE 297.7 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 400.1324008 MHz
NUC1 1H
P1 12.90 usec
PLW1 15.00000000 W

F2 - Processing parameters
SI 16384
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2E,4E)-4-benzylidene-6-phenyl-3-(p-tolyl)hex-2-en-5-ynenitrile (6b)



Current Data Parameters
NAME TRY
EXPNO 534
PROCNO 1

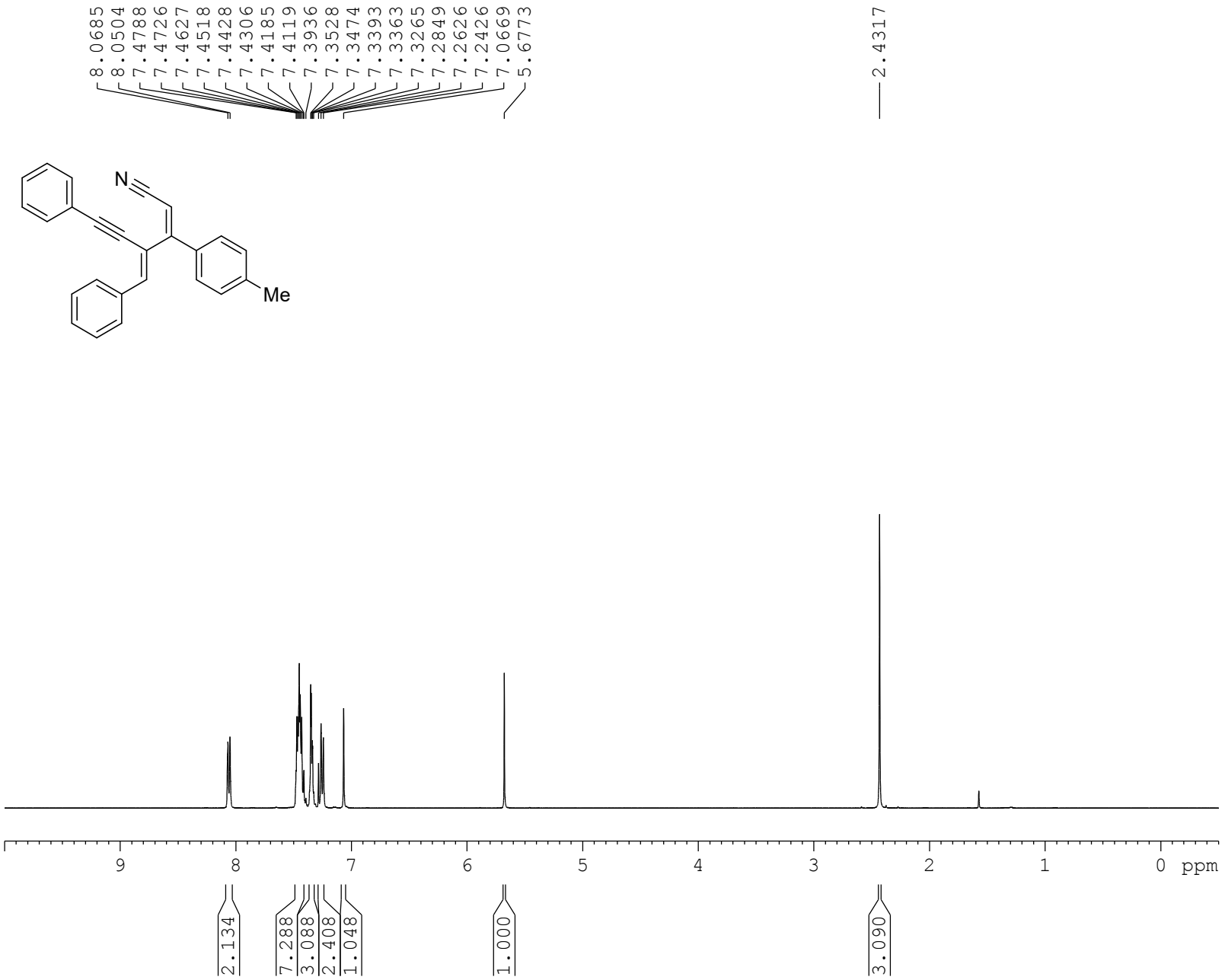
F2 - Acquisition Parameters
Date_ 20151224
Time 17.03
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1000
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 198.09
DW 20.800 usec
DE 6.50 usec
TE 298.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6233319 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.50000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 15.00000000 W
PLW12 0.33750001 W
PLW13 0.27338001 W

F2 - Processing parameters
SI 32768
SF 100.6127604 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.00

(2Z,4E)-4-benzylidene-6-phenyl-3-(p-tolyl)hex-2-en-5-ynenitrile (6'b)



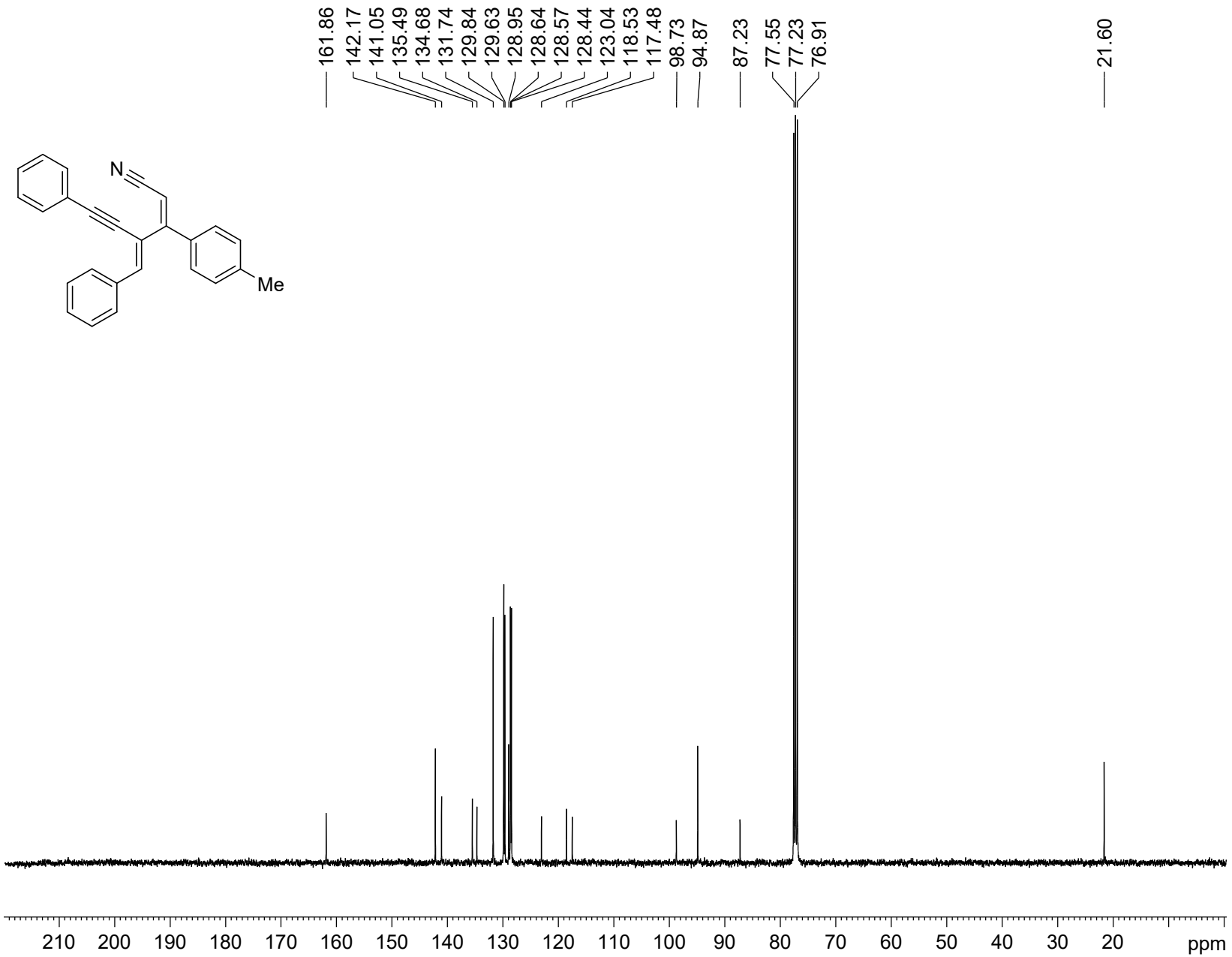
Current Data Parameters
NAME TRY
EXPNO 607
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160315
Time 22.13
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 34
DS 0
SWH 7211.539 Hz
FIDRES 0.220079 Hz
AQ 2.2719147 sec
RG 113.31
DW 69.333 usec
DE 10.50 usec
TE 296.8 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 400.1324008 MHz
NUC1 1H
P1 12.90 usec
PLW1 15.00000000 W

F2 - Processing parameters
SI 16384
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2Z,4E)-4-benzylidene-6-phenyl-3-(p-tolyl)hex-2-en-5-ynenitrile (6'b)



Current Data Parameters
NAME TRY
EXPNO 608
PROCNO 1

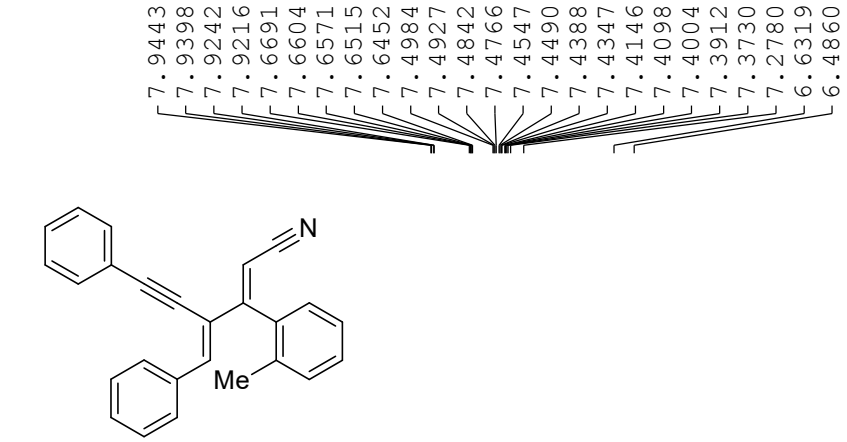
F2 - Acquisition Parameters
Date_ 20160315
Time 22.16
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1000
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 198.09
DW 20.800 usec
DE 6.50 usec
TE 297.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

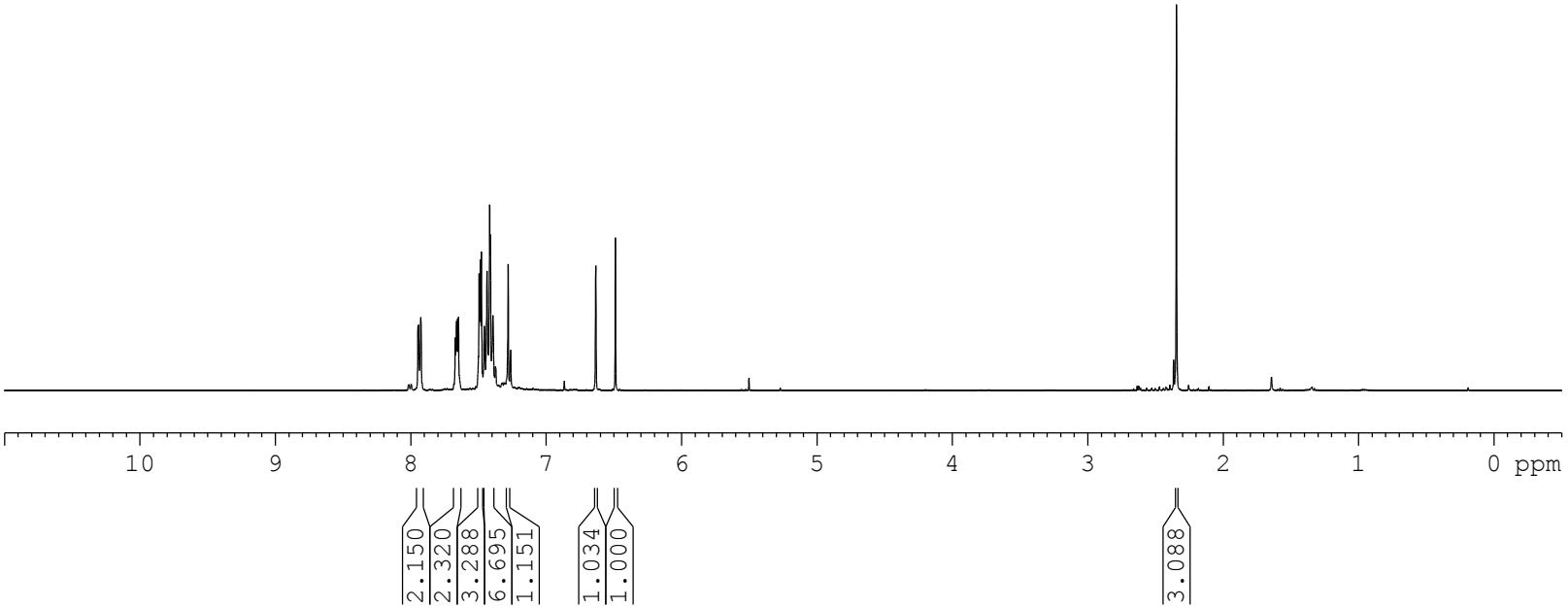
======== CHANNEL f1 ========
SFO1 100.6228298 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.50000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 15.00000000 W
PLW12 0.33750001 W
PLW13 0.27338001 W

F2 - Processing parameters
SI 32768
SF 100.6127490 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.00

(2E,4E)-4-benzylidene-6-phenyl-3-(o-tolyl)hex-2-en-5-ynenitrile (6c)





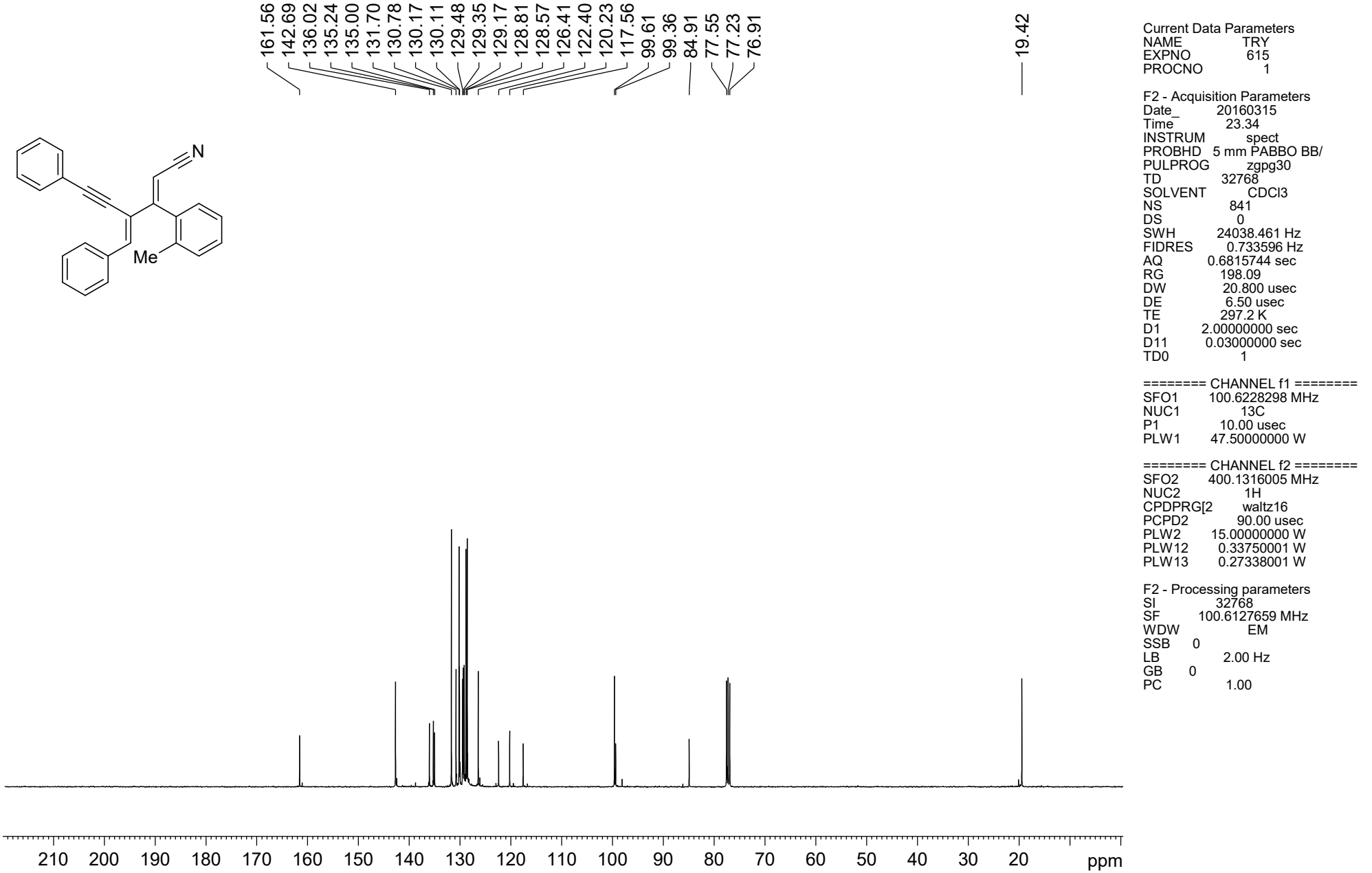
Current Data Parameters
NAME TRY
EXPNO 614
PROCNO 1

F2 - Acquisition Parameters
Date_ 20160315
Time 23.30
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7211.539 Hz
FIDRES 0.220079 Hz
AQ 2.2719147 sec
RG 29.06
DW 69.333 usec
DE 10.50 usec
TE 297.0 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 400.1324008 MHz
NUC1 1H
P1 12.90 usec
PLW1 15.00000000 W

F2 - Processing parameters
SI 16384
SF 400.1300027 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2E,4E)-4-benzylidene-6-phenyl-3-(o-tolyl)hex-2-en-5-ynenitrile (6c)



Current Data Parameters
NAME TRY
EXPNO 615
PROCNO 1

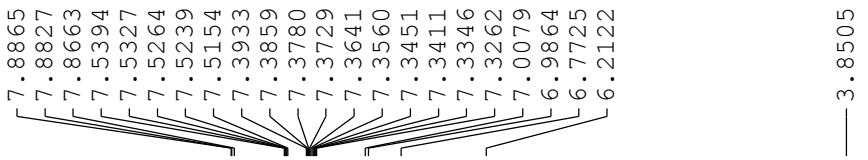
F2 - Acquisition Parameters
Date_ 20160315
Time 23.34
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 841
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 198.09
DW 20.800 usec
DE 6.50 usec
TE 297.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

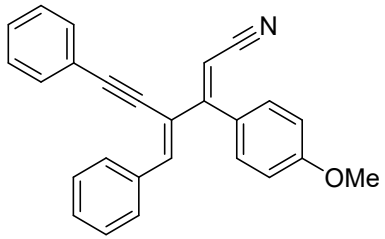
======== CHANNEL f1 ========
SFO1 100.6228298 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.50000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 15.00000000 W
PLW12 0.33750001 W
PLW13 0.27338001 W

F2 - Processing parameters
SI 32768
SF 100.6127659 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.00

(2E,4E)-4-benzylidene-3-(4-methoxyphenyl)-6-phenylhex-2-en-5-ynenitrile (6d)



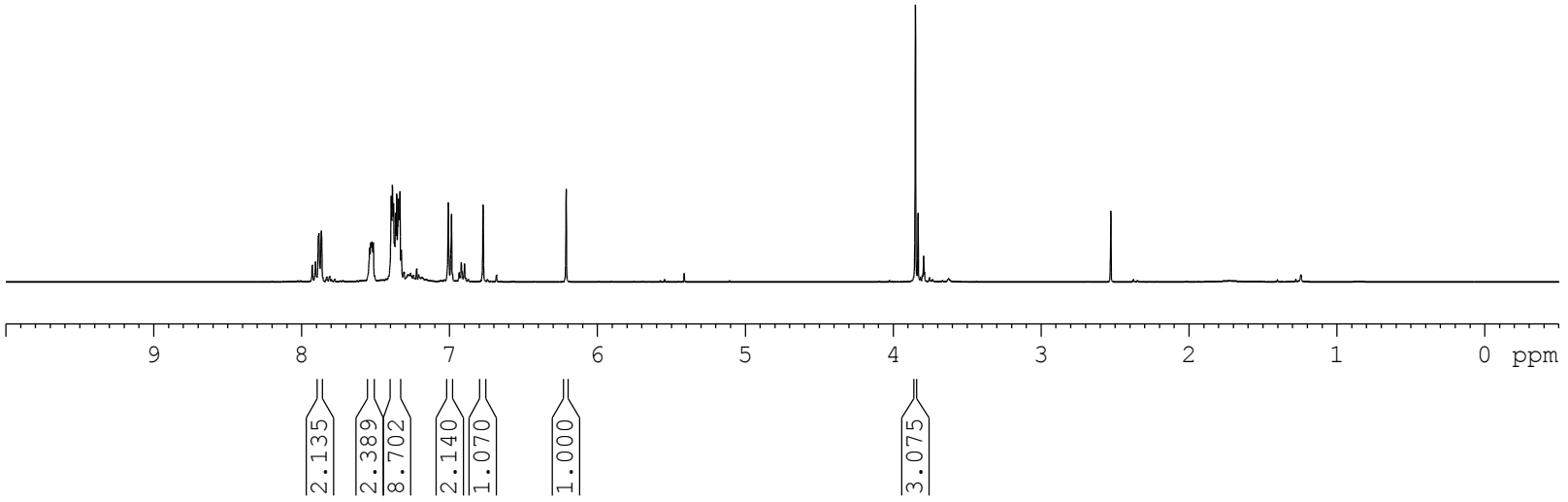


Current Data Parameters
NAME TRY
EXPNO 254
PROCNO 1

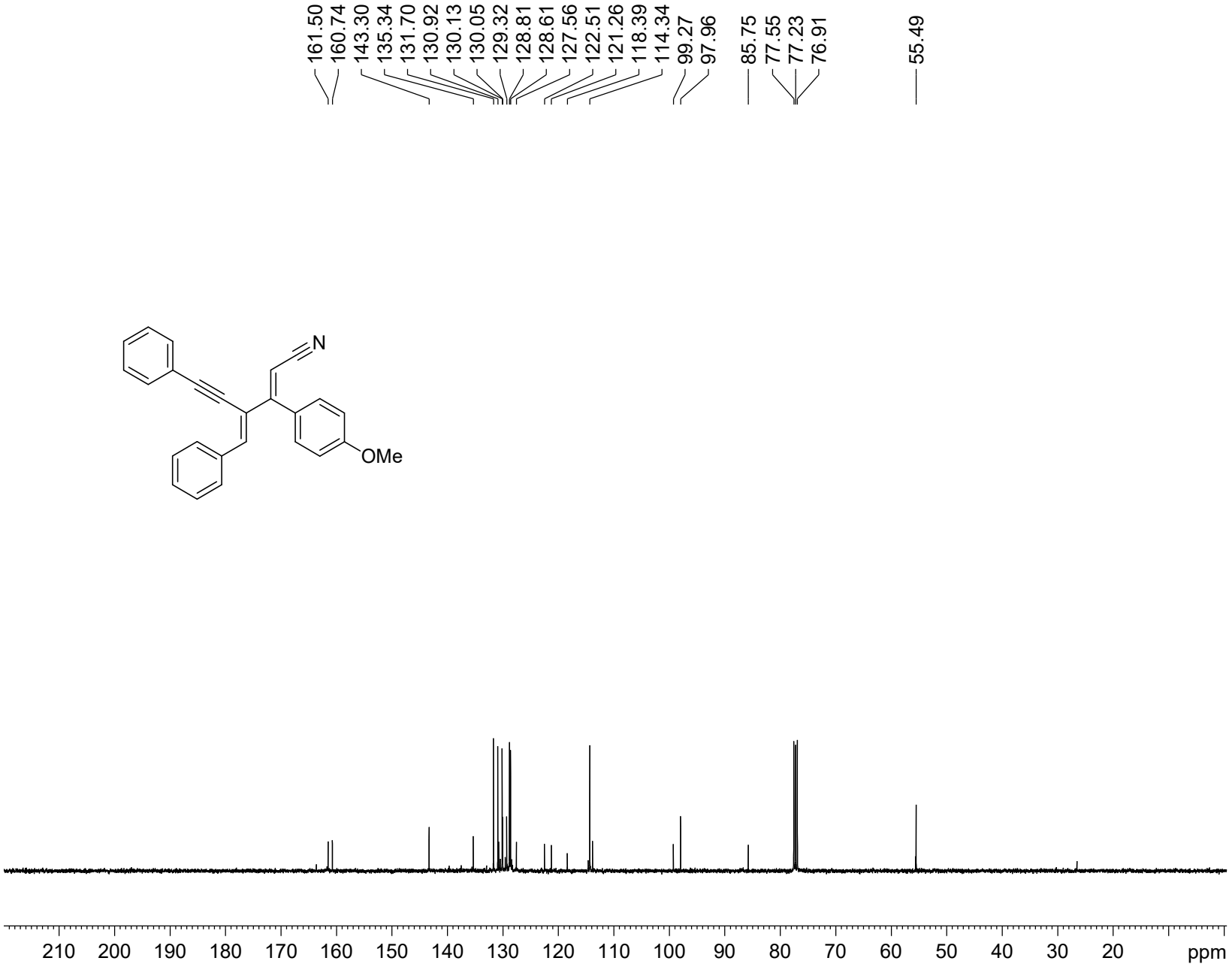
F2 - Acquisition Parameters
Date_ 20161208
Time 12.26
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 64
DW 69.000 usec
DE 6.50 usec
TE 295.8 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300246 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



(2E,4E)-4-benzylidene-3-(4-methoxyphenyl)-6-phenylhex-2-en-5-ynenitrile (6d)



Current Data Parameters
NAME TRY
EXPNO 255
PROCNO 1

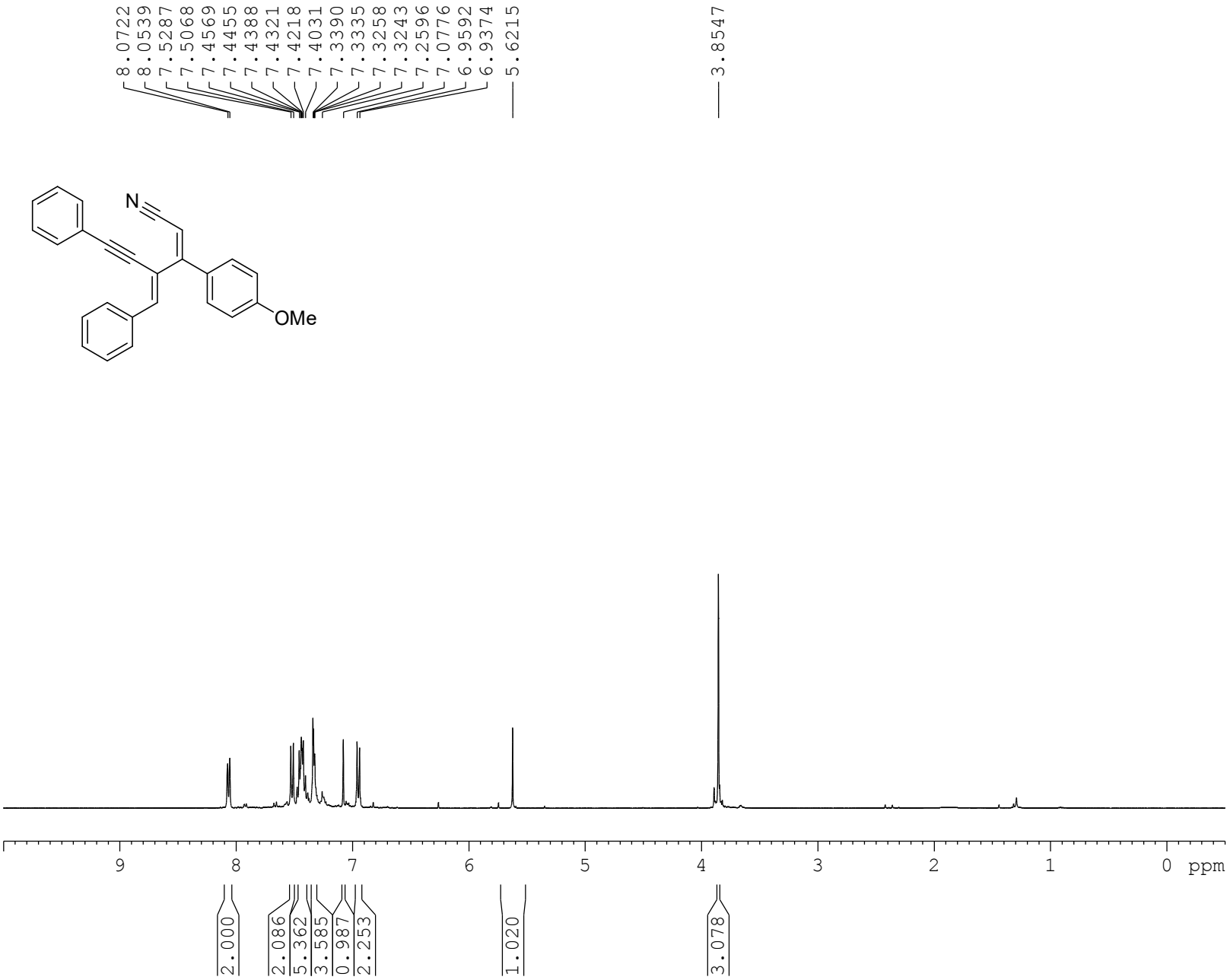
F2 - Acquisition Parameters
Date_ 20161208
Time 12.34
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 144
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 5792.6
DW 20.800 usec
DE 6.50 usec
TE 295.9 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127576 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(2Z,4E)-4-benzylidene-3-(4-methoxyphenyl)-6-phenylhex-2-en-5-ynenitrile (6'd)



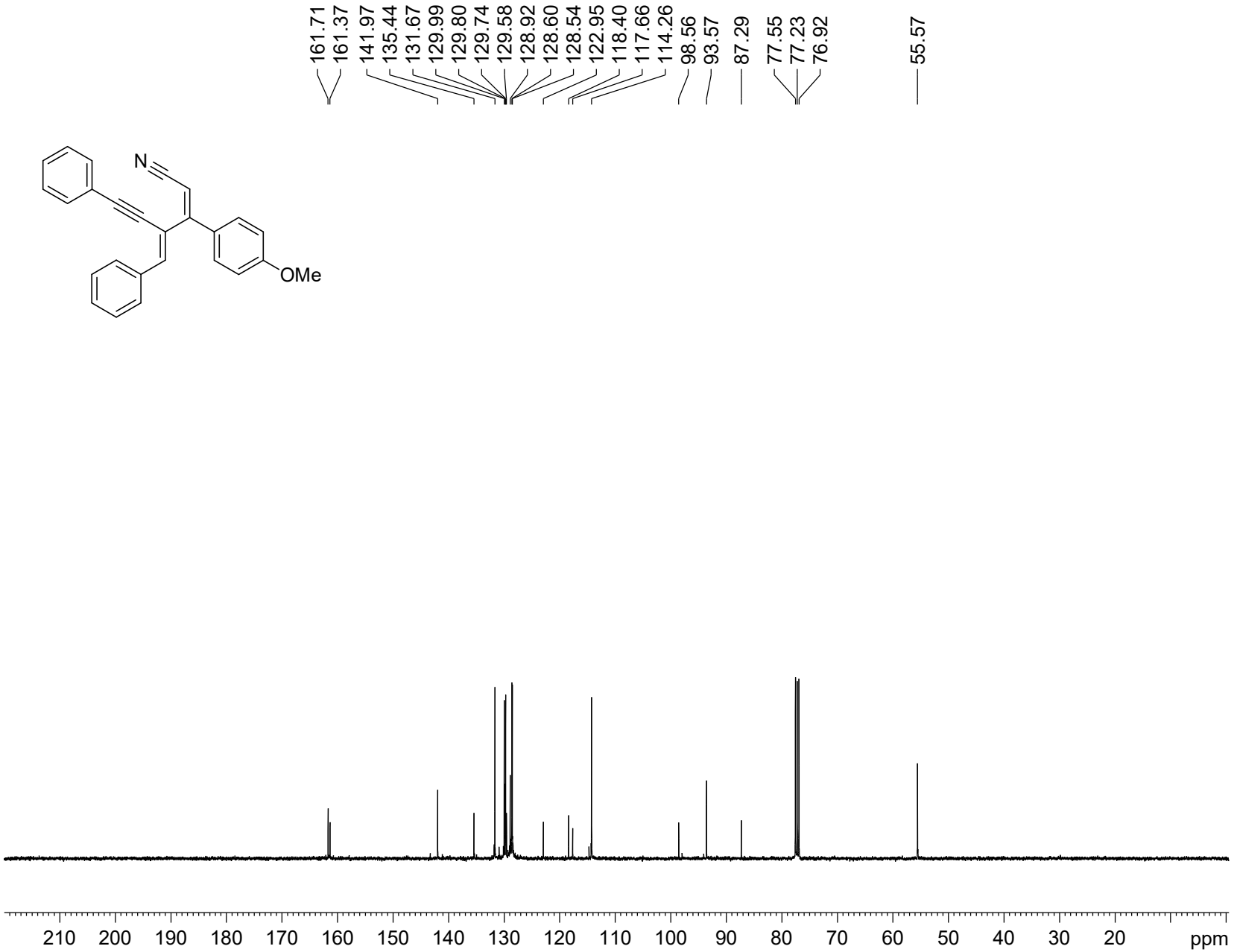
Current Data Parameters
NAME TRY
EXPNO 250
PROCNO 1

F2 - Acquisition Parameters
Date_ 20161208
Time 9.20
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 57
DW 69.000 usec
DE 6.50 usec
TE 296.4 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300091 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2Z,4E)-4-benzylidene-3-(4-methoxyphenyl)-6-phenylhex-2-en-5-ynenitrile (6'd)



Current Data Parameters
NAME TRY
EXPNO 251
PROCNO 1

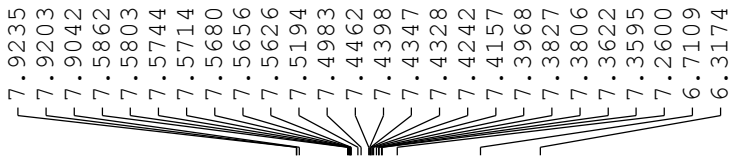
F2 - Acquisition Parameters
Date_ 20161208
Time 9.21
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 363
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 5792.6
DW 20.800 usec
DE 6.50 usec
TE 296.4 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

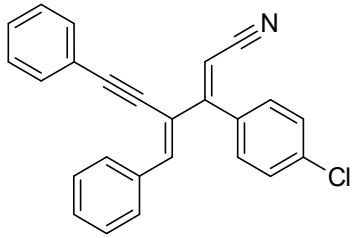
======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

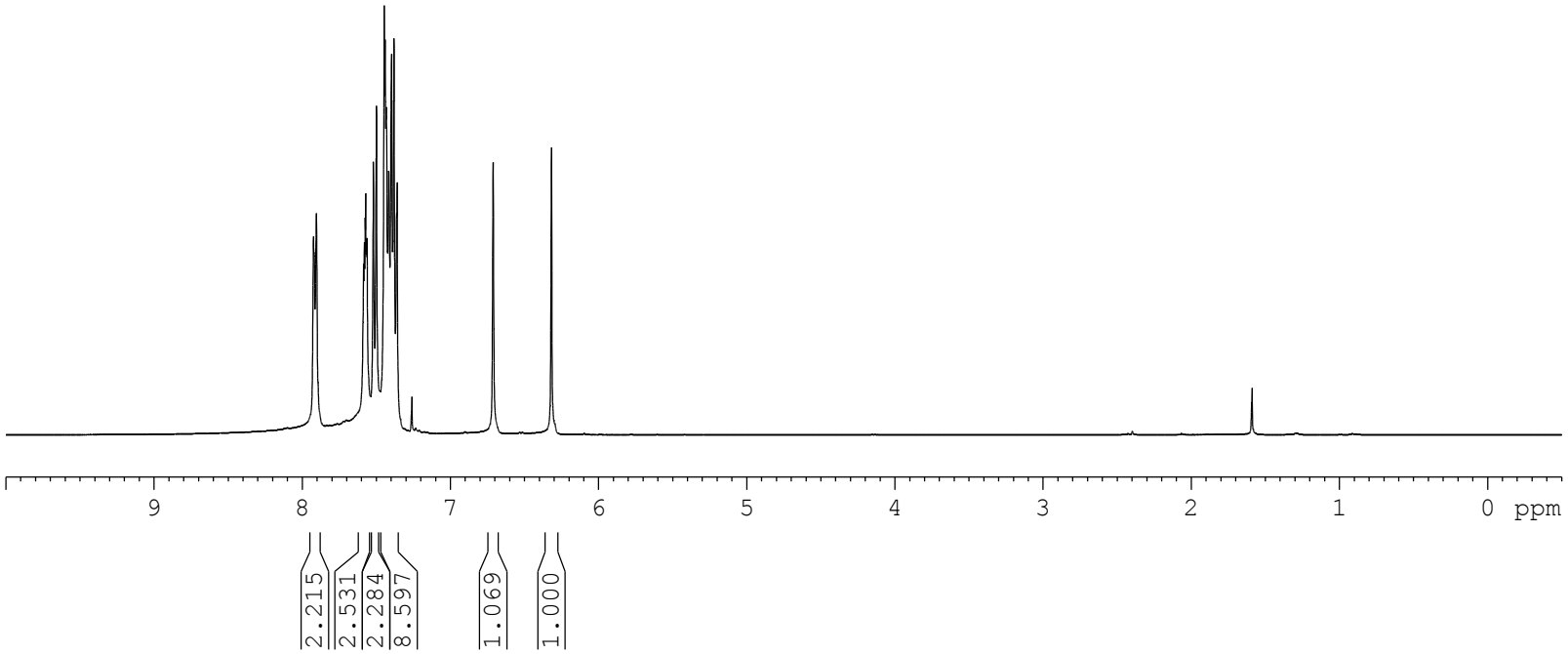
======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127580 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(2E,4E)-4-benzylidene-3-(4-chlorophenyl)-6-phenylhex-2-en-5-ynenitrile (6e)







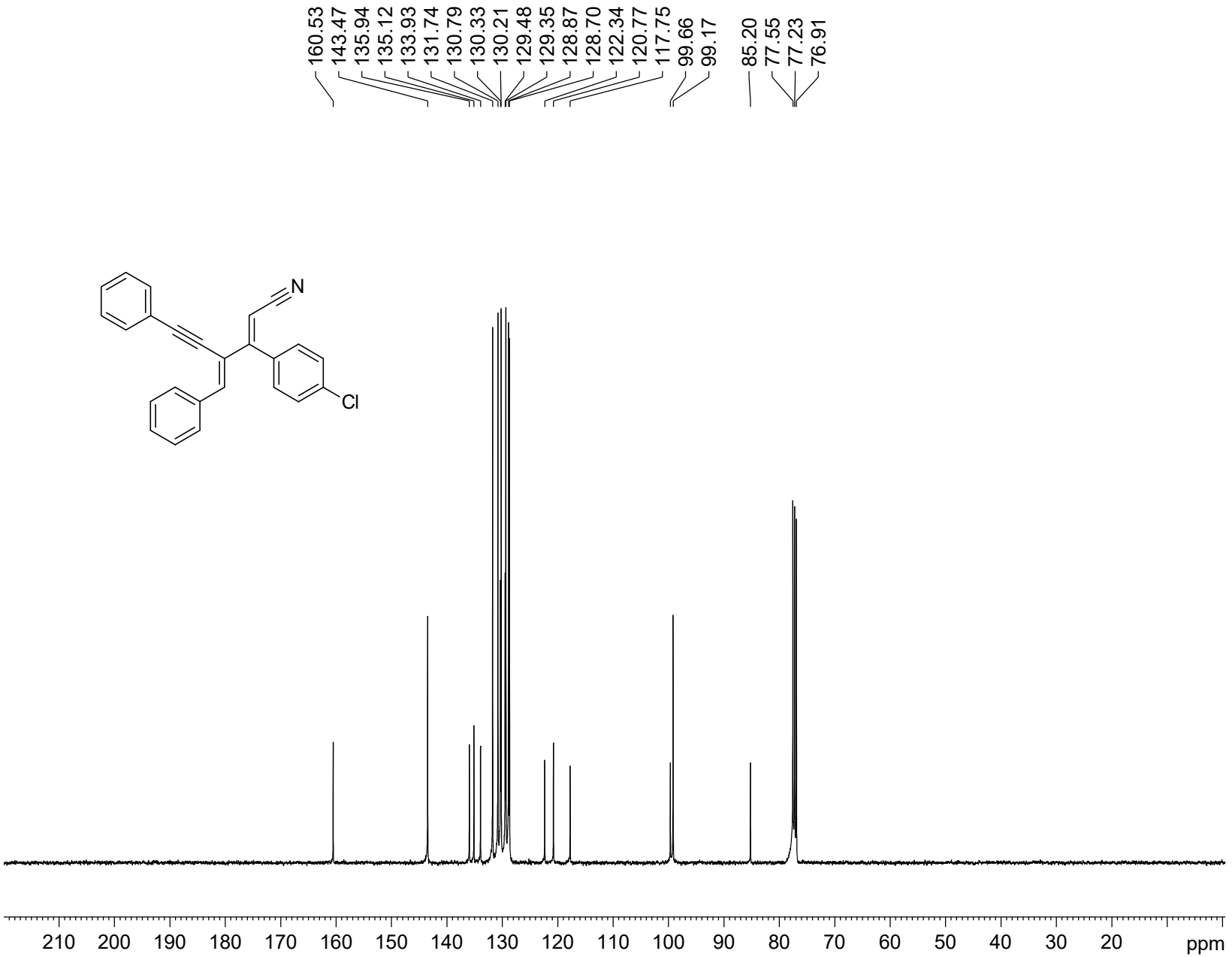
Current Data Parameters
NAME TRY
EXPNO 529
PROCNO 1

F2 - Acquisition Parameters
Date_ 20151222
Time 12.28
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 7211.539 Hz
FIDRES 0.220079 Hz
AQ 2.2719147 sec
RG 57.42
DW 69.333 usec
DE 10.50 usec
TE 297.6 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 400.1324008 MHz
NUC1 1H
P1 12.90 usec
PLW1 15.00000000 W

F2 - Processing parameters
SI 16384
SF 400.1300097 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2E,4E)-4-benzylidene-3-(4-chlorophenyl)-6-phenylhex-2-en-5-ynenitrile (6e)



Current Data Parameters
NAME TRY
EXPNO 530
PROCNO 1

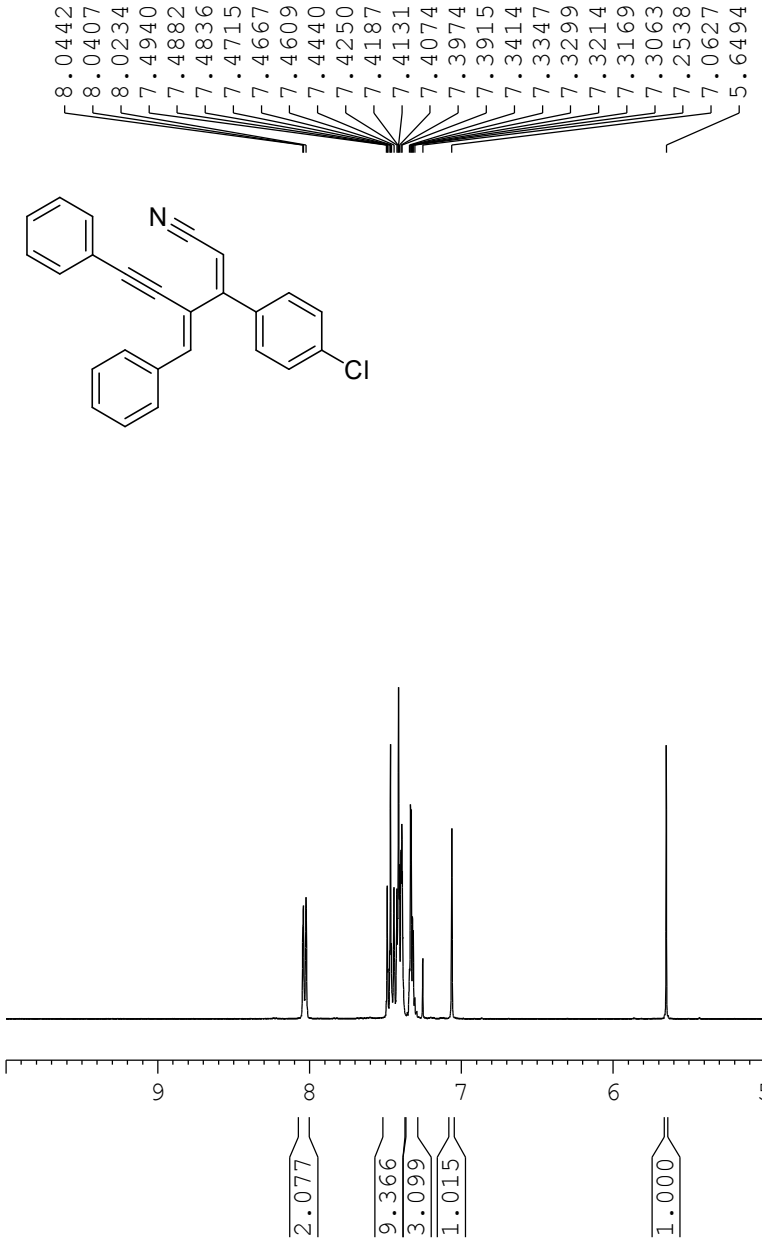
F2 - Acquisition Parameters
Date_ 20151222
Time 12.33
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1500
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 198.09
DW 20.800 usec
DE 6.50 usec
TE 298.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6233319 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.50000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 15.00000000 W
PLW12 0.33750001 W
PLW13 0.27338001 W

F2 - Processing parameters
SI 32768
SF 100.6127560 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.00

(2Z,4E)-4-benzylidene-3-(4-chlorophenyl)-6-phenylhex-2-en-5-ynenitrile (6'e)



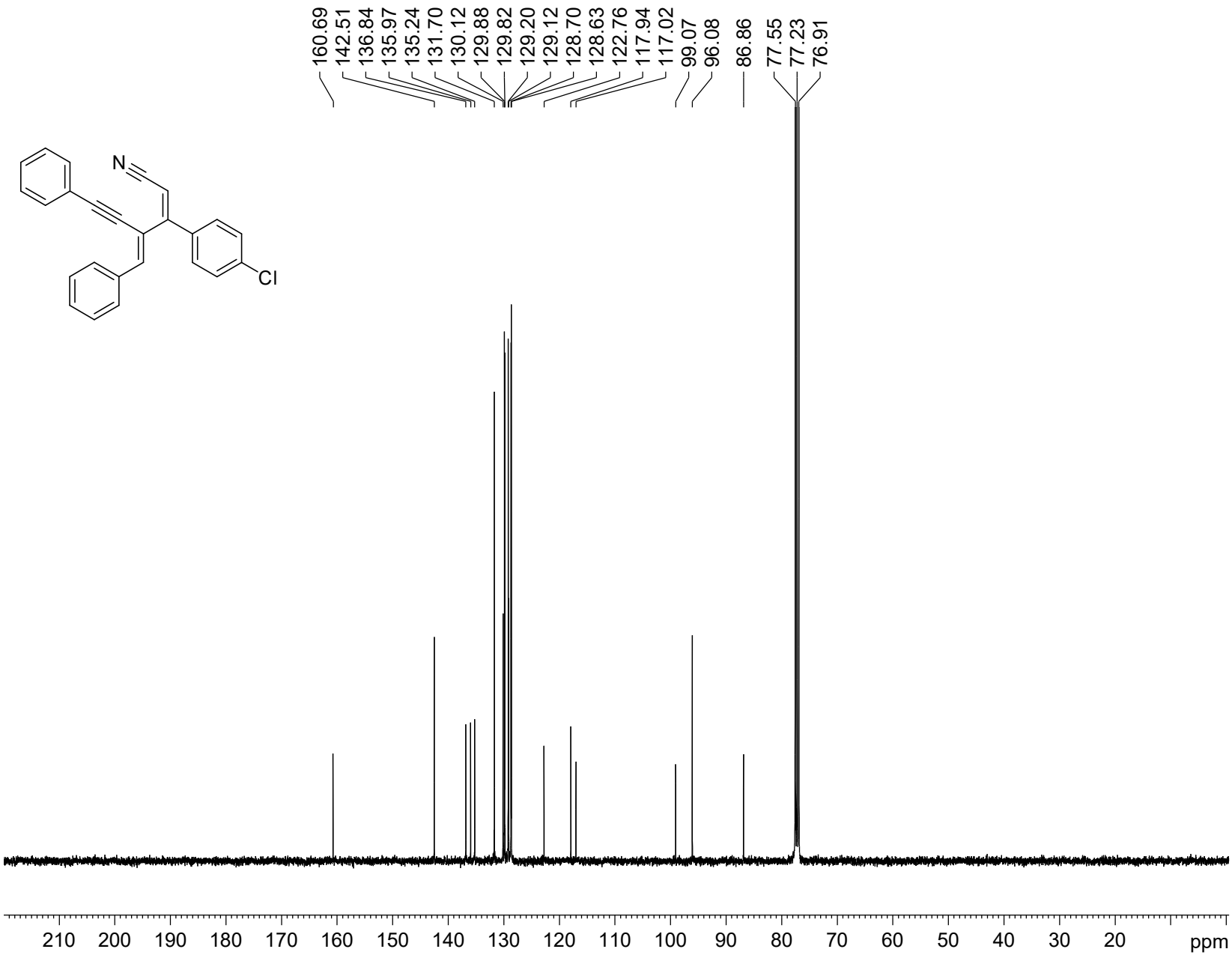
Current Data Parameters
NAME TRY
EXPNO 151
PROCNO 1

F2 - Acquisition Parameters
Date_ 20151214
Time 22.02
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 114
DW 69.000 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300118 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2Z,4E)-4-benzylidene-3-(4-chlorophenyl)-6-phenylhex-2-en-5-ynenitrile (6'e)



Current Data Parameters
NAME TRY
EXPNO 152
PROCNO 1

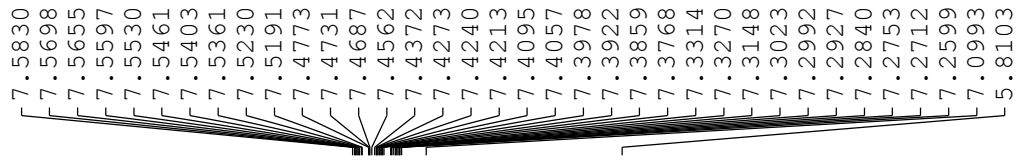
F2 - Acquisition Parameters
Date_ 20151214
Time 22.03
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1364
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 5792.6
DW 20.800 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

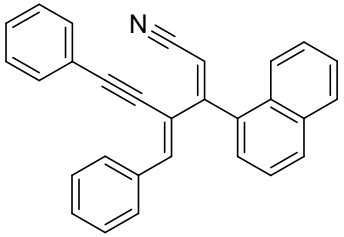
======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127506 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(2Z,4E)-4-benzylidene-3-(naphthalen-1-yl)-6-phenylhex-2-en-5-ynenitrile (6'f)



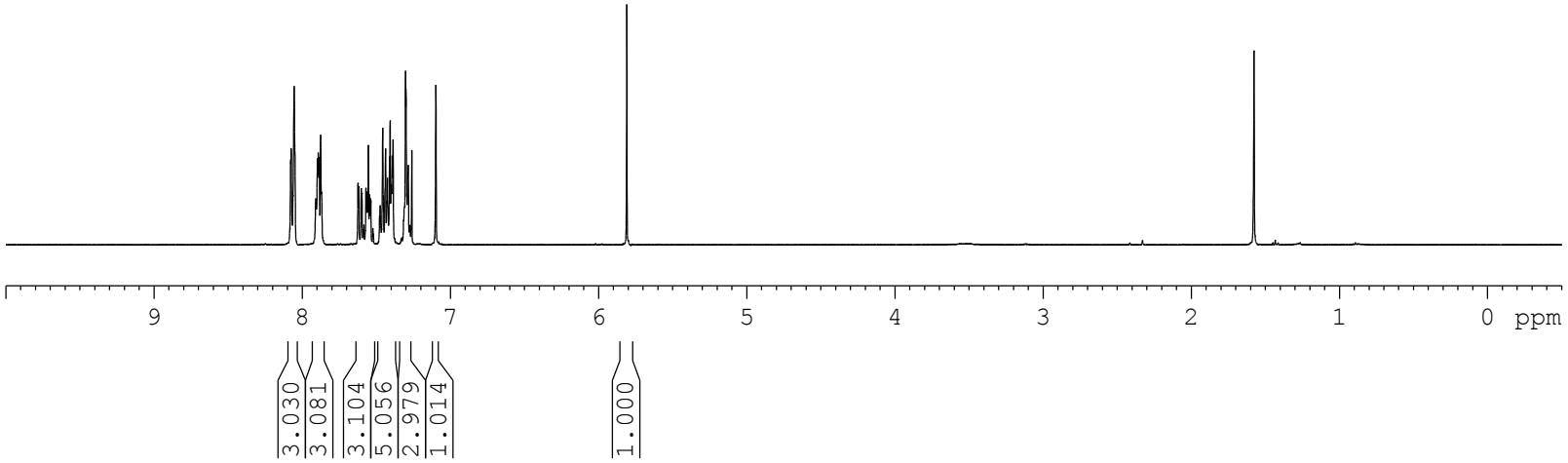


Current Data Parameters
NAME TRY
EXPNO 222
PROCNO 1

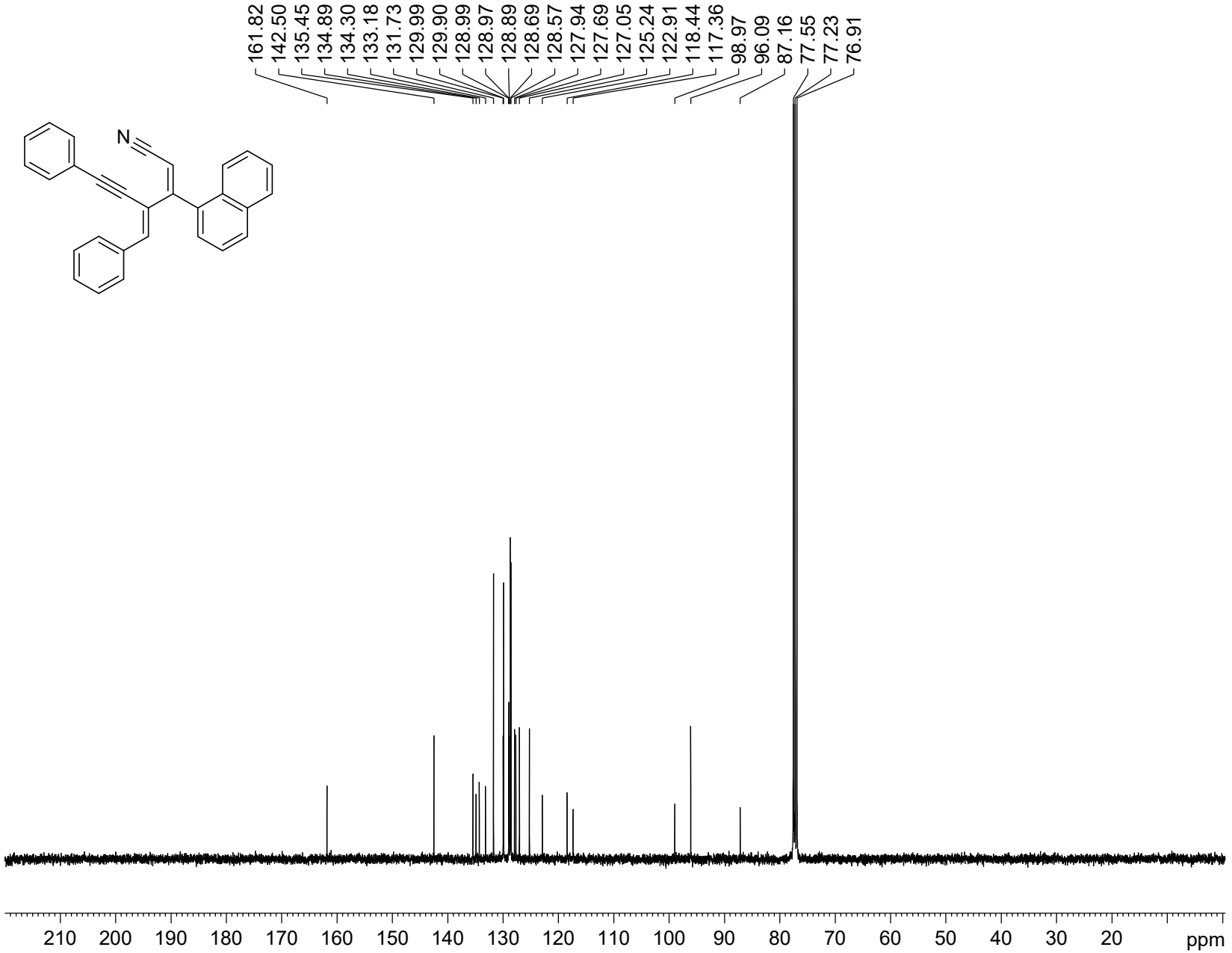
F2 - Acquisition Parameters
Date_ 20161201
Time 12.17
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 181
DW 69.000 usec
DE 6.50 usec
TE 296.6 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300093 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



(2Z,4E)-4-benzylidene-3-(naphthalen-1-yl)-6-phenylhex-2-en-5-ynenitrile (6'f)



Current Data Parameters
NAME TRY
EXPNO 223
PROCNO 1

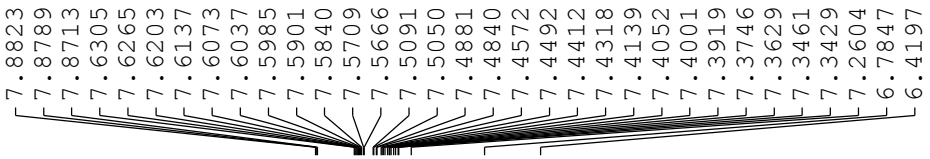
F2 - Acquisition Parameters
Date_ 20161201
Time 12.19
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1000
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 8192
DW 20.800 usec
DE 6.50 usec
TE 296.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

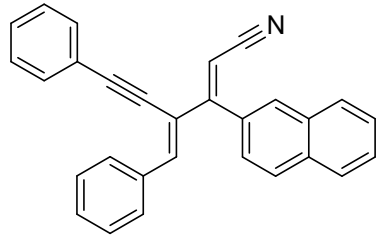
======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127499 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(2E,4E)-4-benzylidene-3-(naphthalen-2-yl)-6-phenylhex-2-en-5-ynenitrile (6g)



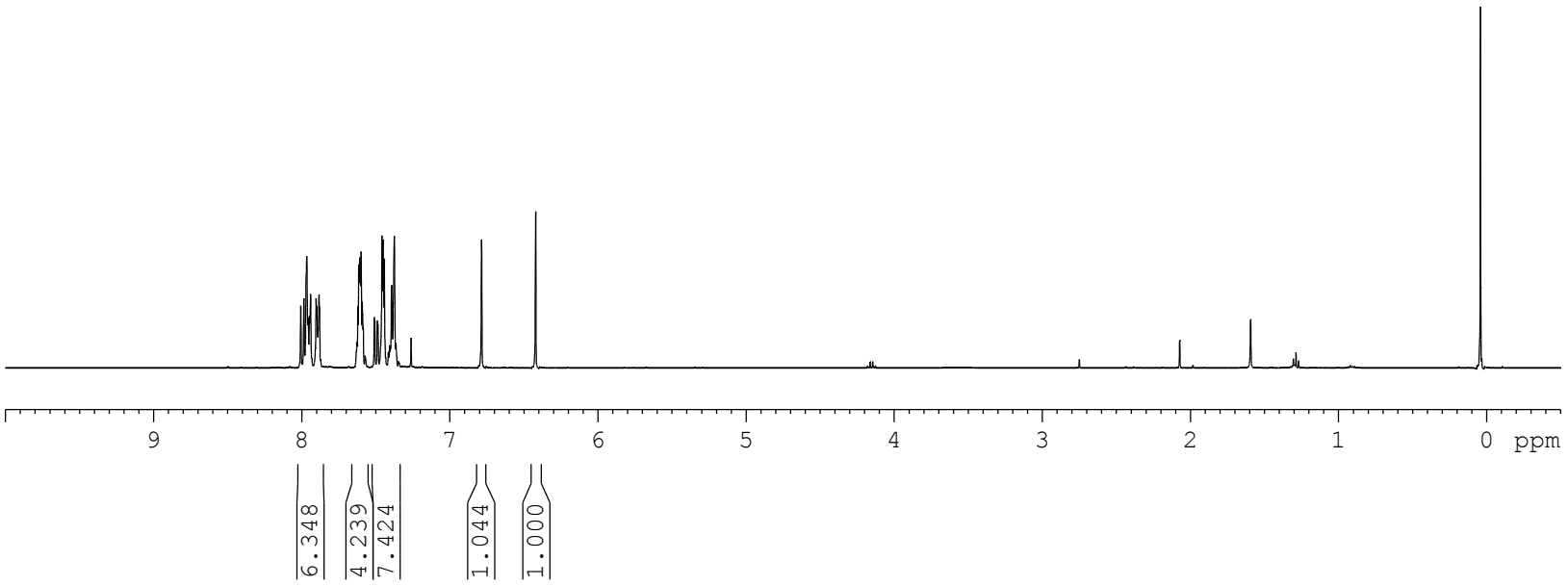


Current Data Parameters
NAME TRY
EXPNO 248
PROCNO 1

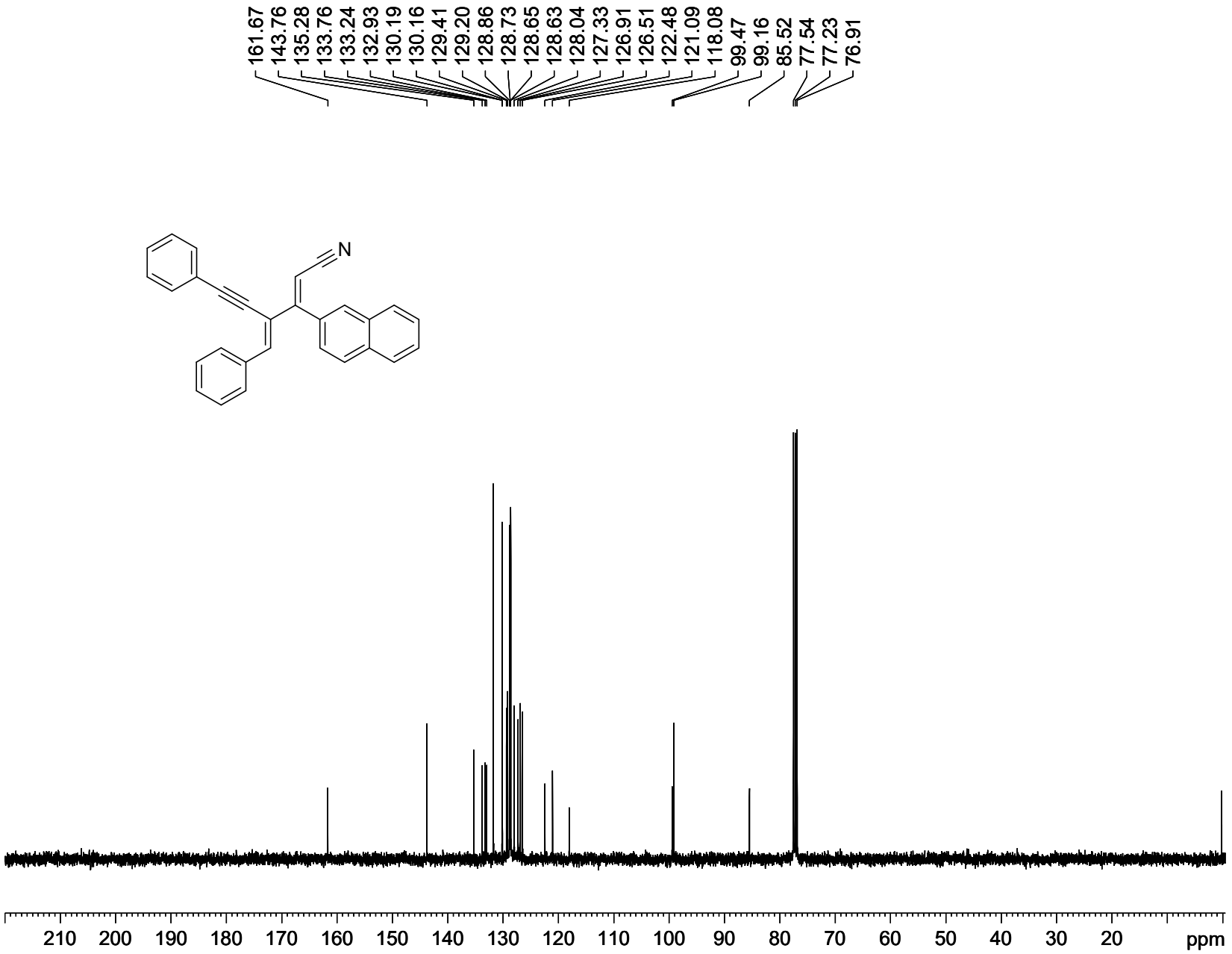
F2 - Acquisition Parameters
Date_ 20161208
Time 9.06
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 71.8
DW 69.000 usec
DE 6.50 usec
TE 296.5 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300091 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



(2E,4E)-4-benzylidene-3-(naphthalen-2-yl)-6-phenylhex-2-en-5-ynenitrile (6g)



Current Data Parameters
NAME TRY
EXPNO 249
PROCNO 1

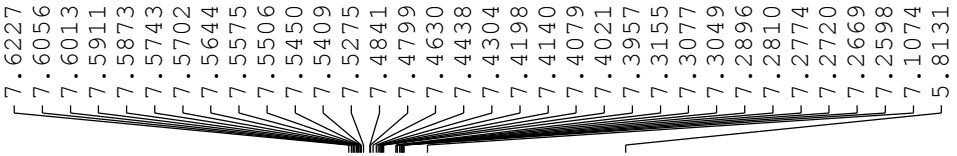
F2 - Acquisition Parameters
Date_ 20161208
Time 9.08
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 120
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 5792.6
DW 20.800 usec
DE 6.50 usec
TE 296.6 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

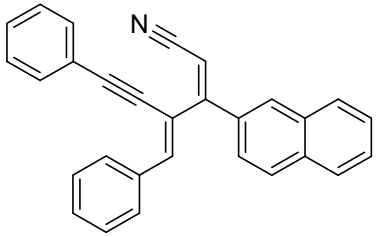
======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127565 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(2Z,4E)-4-benzylidene-3-(naphthalen-2-yl)-6-phenylhex-2-en-5-ynenitrile (6'g)



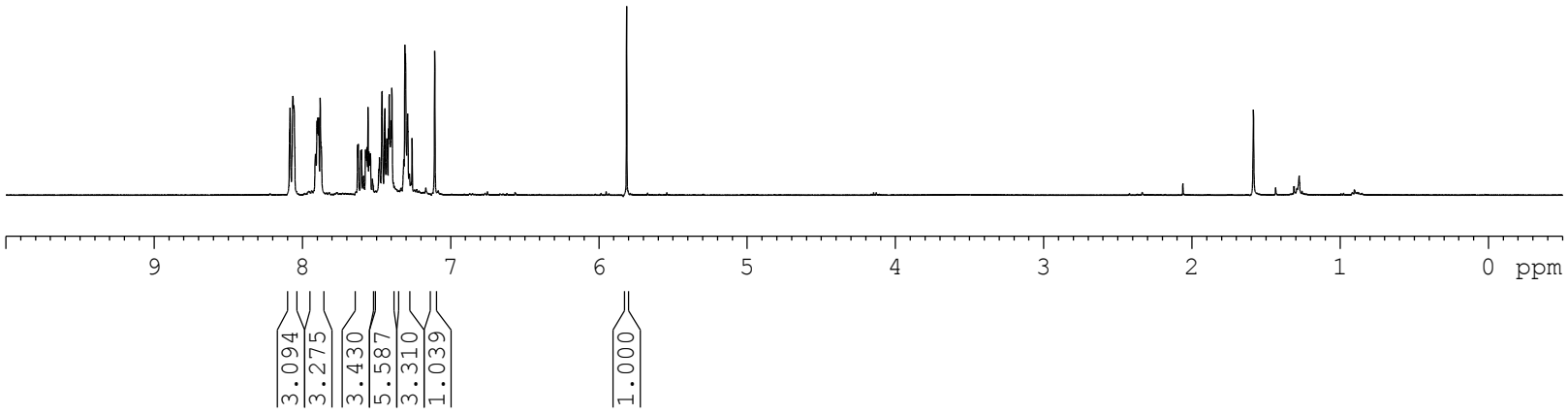


Current Data Parameters
NAME TRY
EXPNO 234
PROCNO 1

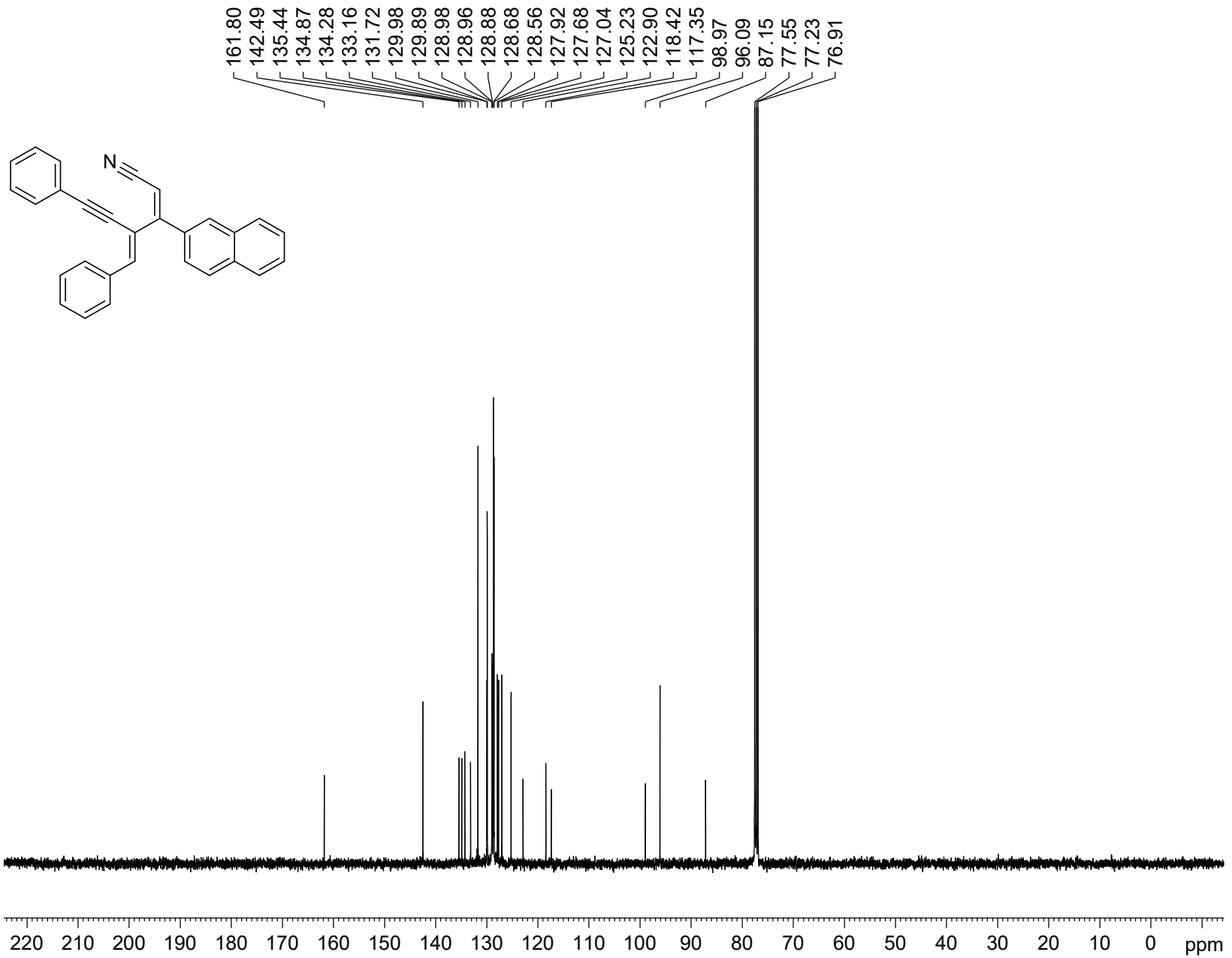
F2 - Acquisition Parameters
Date_ 20161207
Time 8.17
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 114
DW 69.000 usec
DE 6.50 usec
TE 296.6 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300096 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



(2Z,4E)-4-benzylidene-3-(naphthalen-2-yl)-6-phenylhex-2-en-5-ynenitrile (6'g)



Current Data Parameters
NAME TRY
EXPNO 235
PROCNO 1

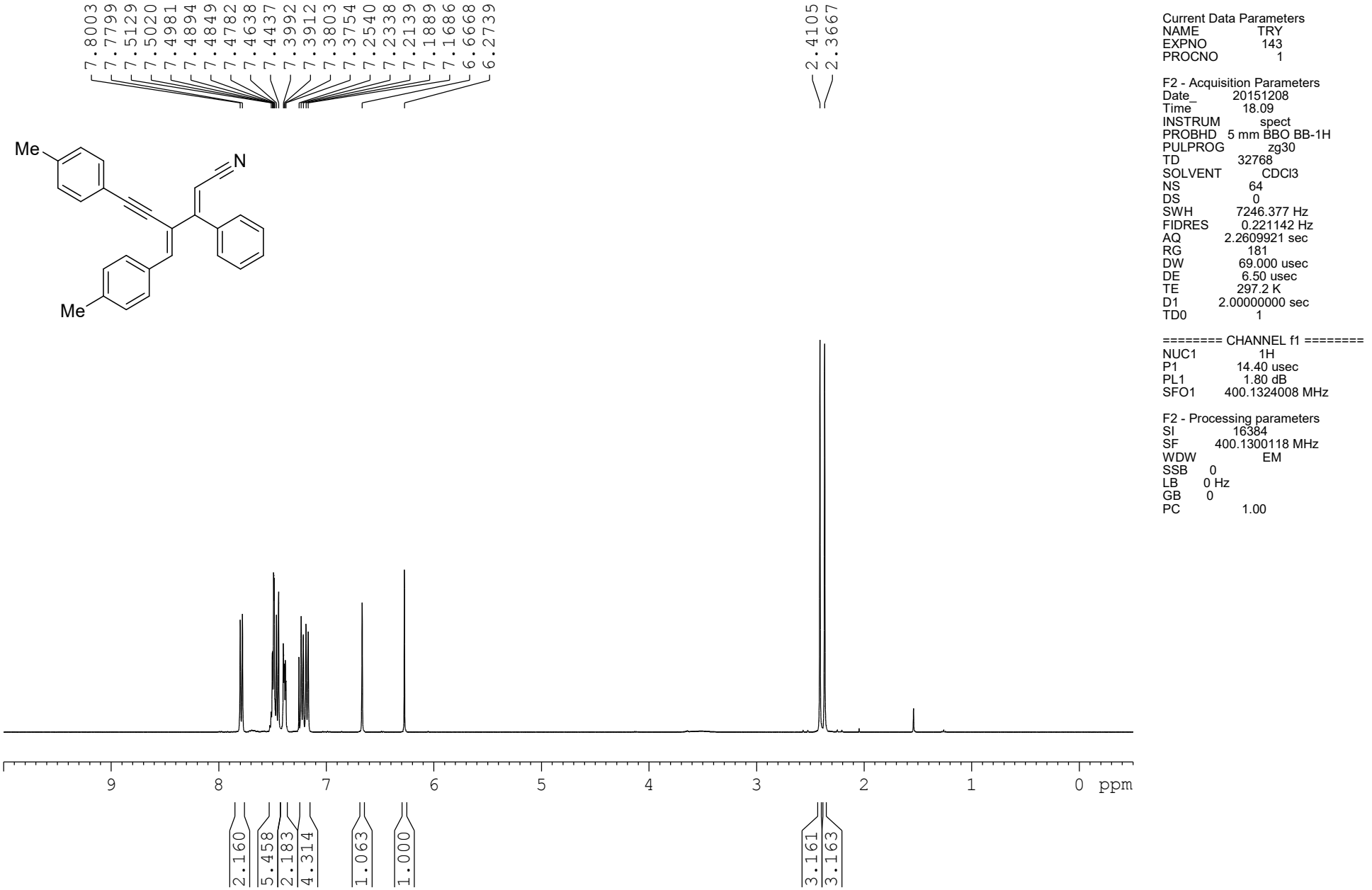
F2 - Acquisition Parameters
Date_ 20161207
Time 8.21
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 788
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 8192
DW 20.800 usec
DE 6.50 usec
TE 296.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127521 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(2E,4E)-4-(4-methylbenzylidene)-3-phenyl-6-(p-tolyl)hex-2-en-5-ynenitrile (6h)



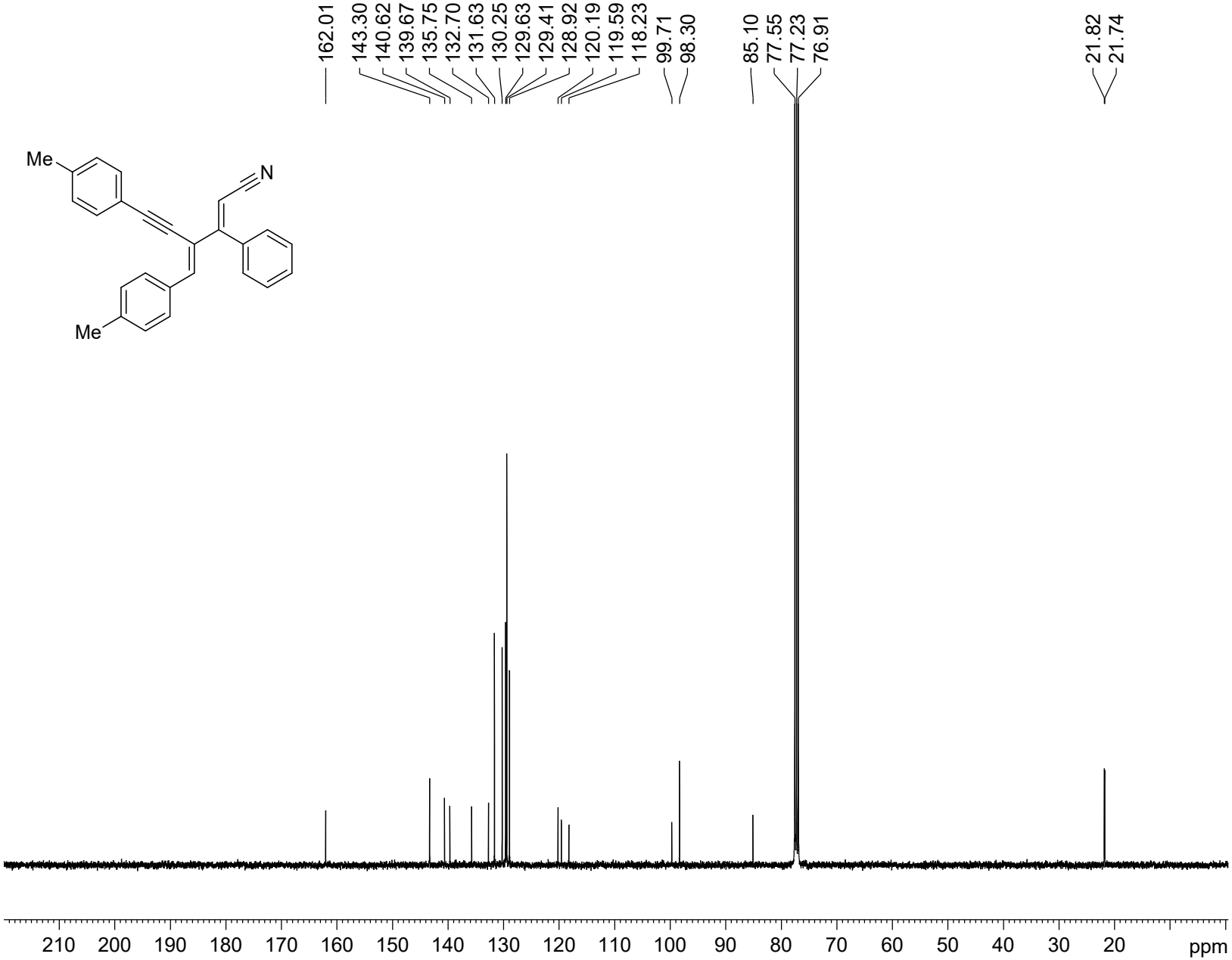
Current Data Parameters
NAME TRY
EXPNO 143
PROCNO 1

F2 - Acquisition Parameters
Date_ 20151208
Time 18.09
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 181
DW 69.000 usec
DE 6.50 usec
TE 297.2 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300118 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2E,4E)-4-(4-methylbenzylidene)-3-phenyl-6-(p-tolyl)hex-2-en-5-ynenitrile (6h)



Current Data Parameters
NAME TRY
EXPNO 144
PROCNO 1

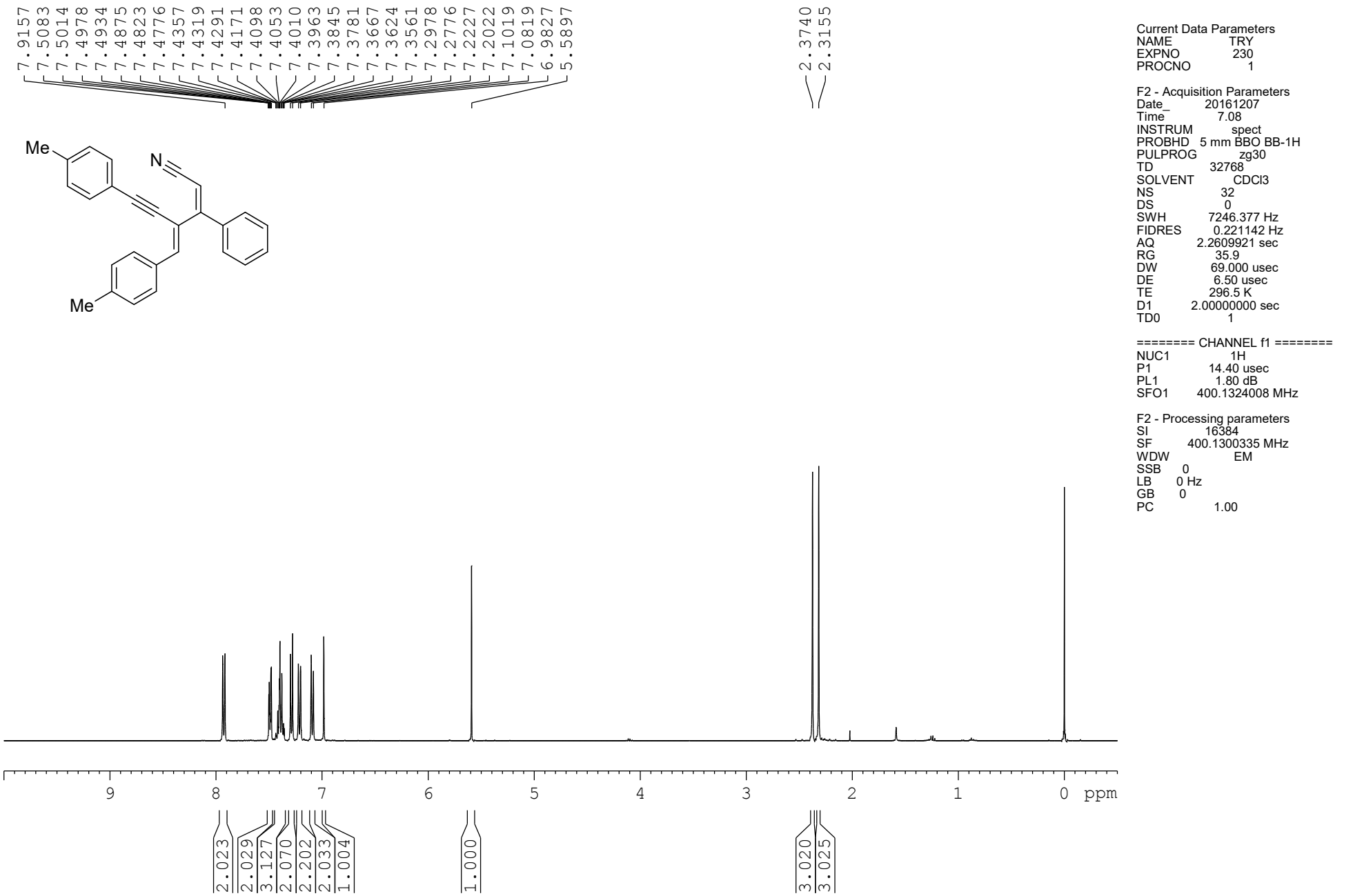
F2 - Acquisition Parameters
Date_ 20151208
Time 18.11
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1000
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 5792.6
DW 20.800 usec
DE 6.50 usec
TE 297.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127489 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(2Z,4E)-4-(4-methylbenzylidene)-3-phenyl-6-(p-tolyl)hex-2-en-5-ynenitrile (6'h)



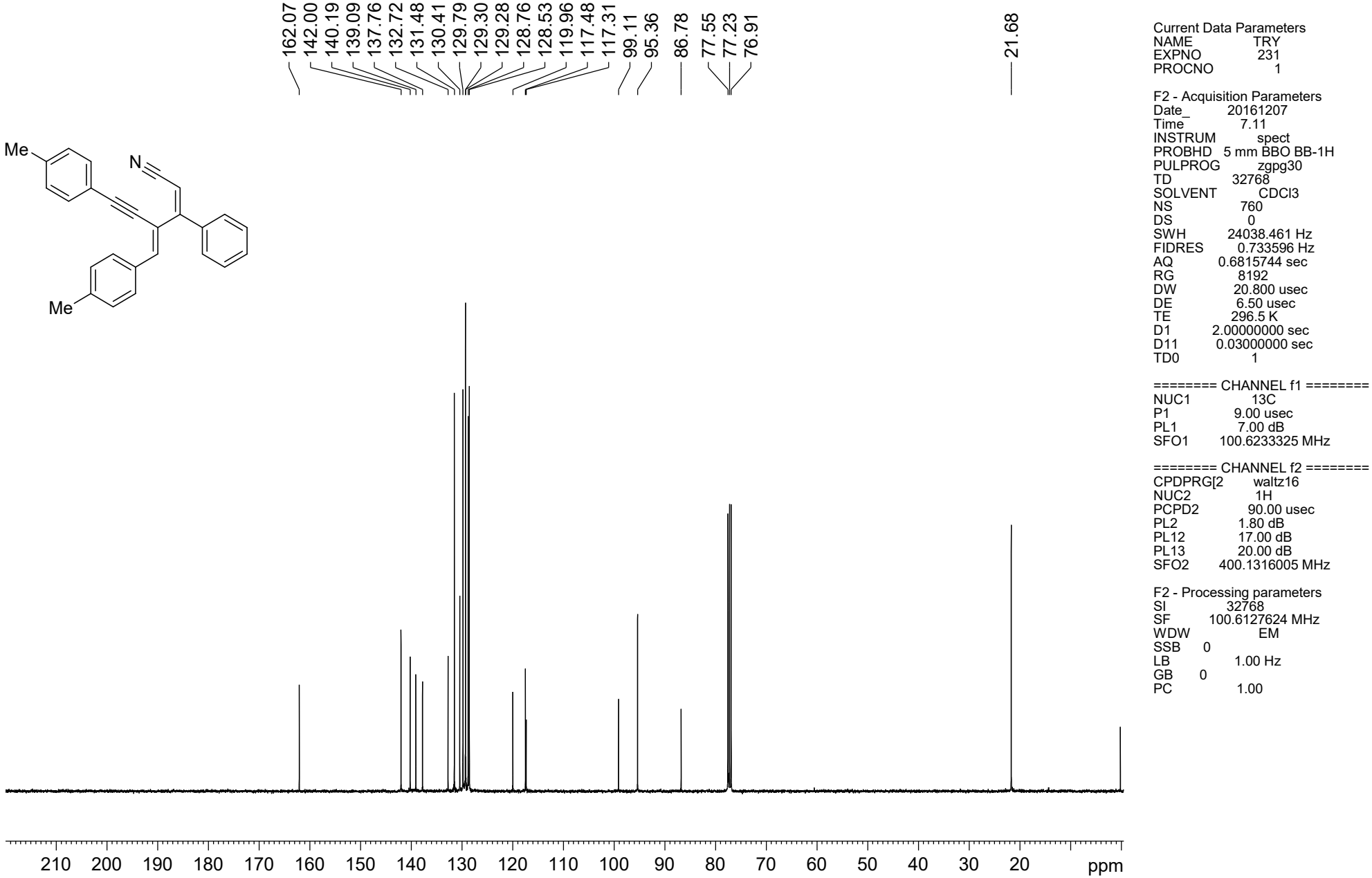
Current Data Parameters
NAME TRY
EXPNO 230
PROCNO 1

F2 - Acquisition Parameters
Date_ 20161207
Time 7.08
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 35.9
DW 69.000 usec
DE 6.50 usec
TE 296.5 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300335 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2Z,4E)-4-(4-methylbenzylidene)-3-phenyl-6-(p-tolyl)hex-2-en-5-ynenitrile (6'h)



Current Data Parameters
NAME TRY
EXPNO 231
PROCNO 1

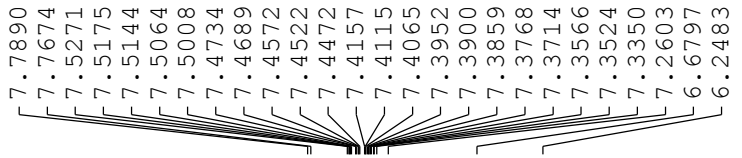
F2 - Acquisition Parameters
Date_ 20161207
Time 7.11
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 760
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 8192
DW 20.800 usec
DE 6.50 usec
TE 296.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

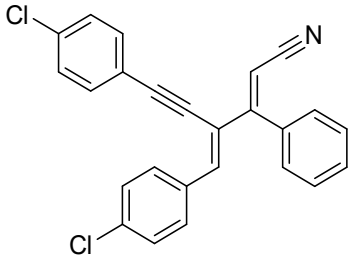
======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127624 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

(2E,4E)-4-(4-chlorobenzylidene)-6-(4-chlorophenyl)-3-phenylhex-2-en-5-ynenitrile (6i)



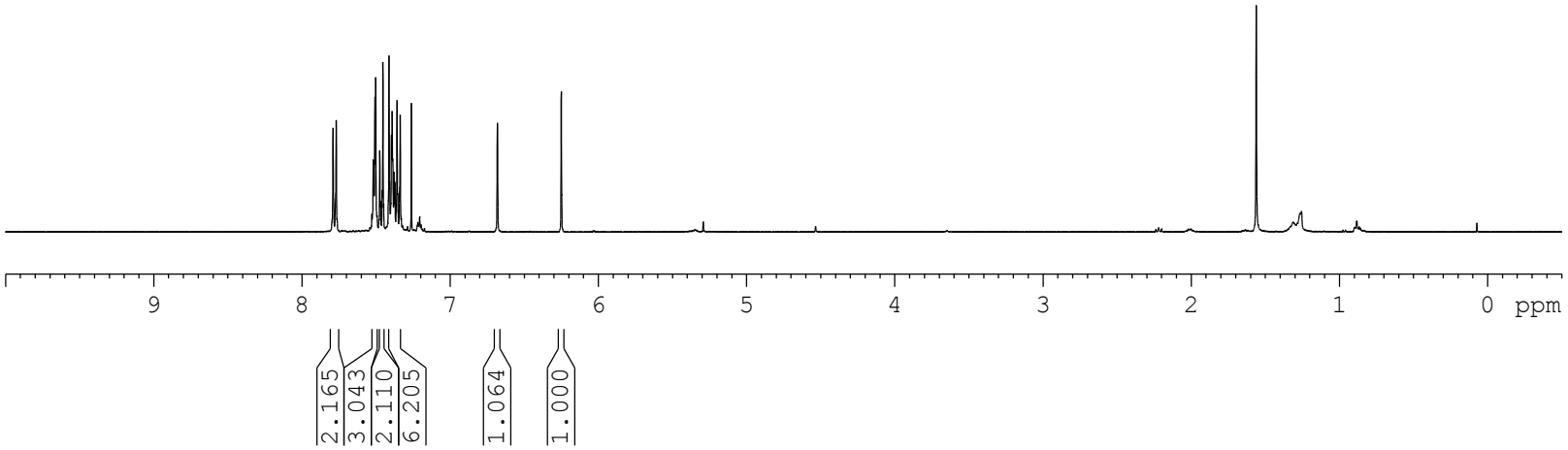


Current Data Parameters
NAME TRY
EXPNO 621
PROCNO 1

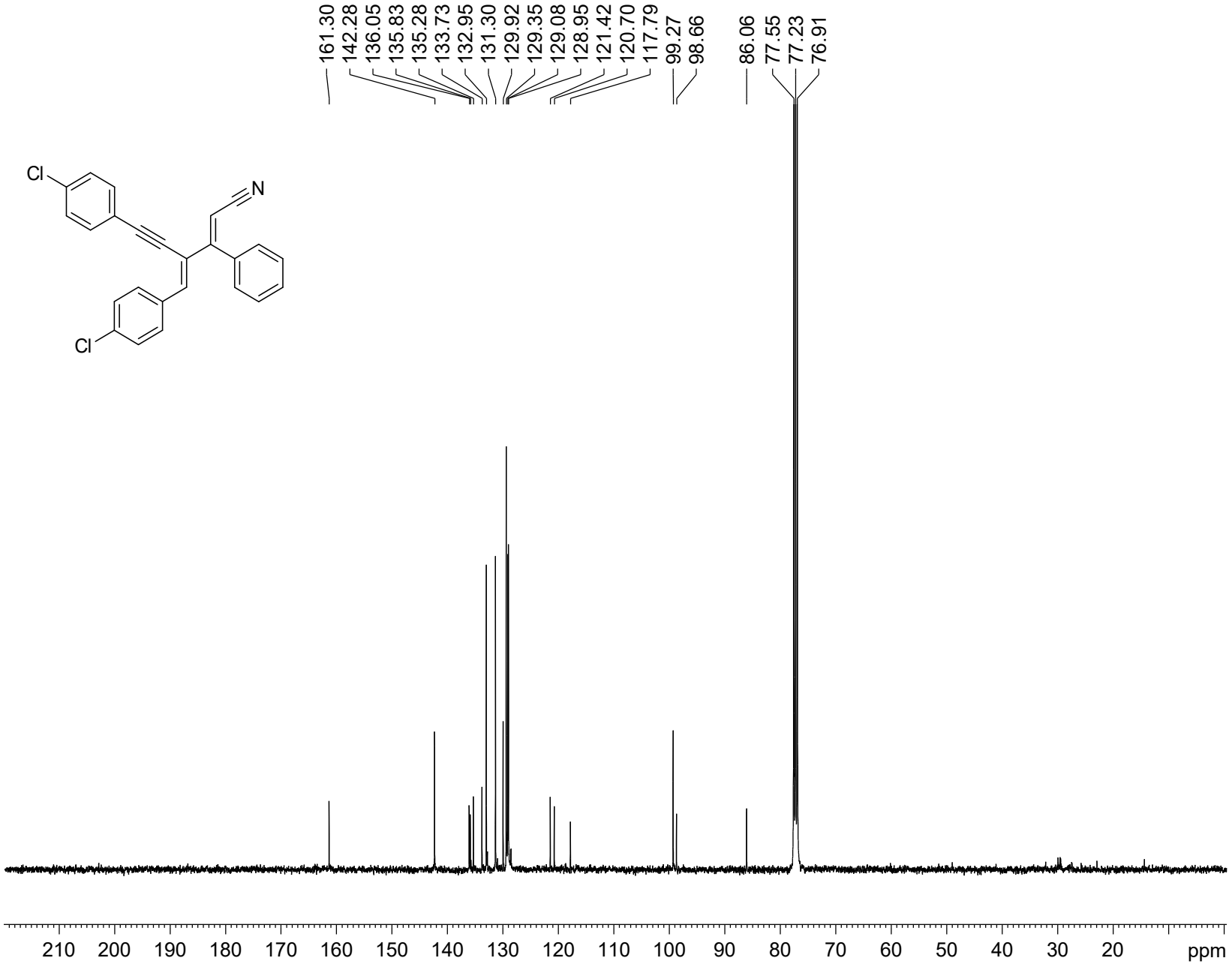
F2 - Acquisition Parameters
Date_ 20160316
Time 2.25
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7211.539 Hz
FIDRES 0.220079 Hz
AQ 2.2719147 sec
RG 198.09
DW 69.333 usec
DE 10.50 usec
TE 297.3 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 400.1324008 MHz
NUC1 1H
P1 12.90 usec
PLW1 15.00000000 W

F2 - Processing parameters
SI 16384
SF 400.1300097 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



(2E,4E)-4-(4-chlorobenzylidene)-6-(4-chlorophenyl)-3-phenylhex-2-en-5-ynenitrile (6i)



Current Data Parameters
NAME TRY
EXPNO 622
PROCNO 1

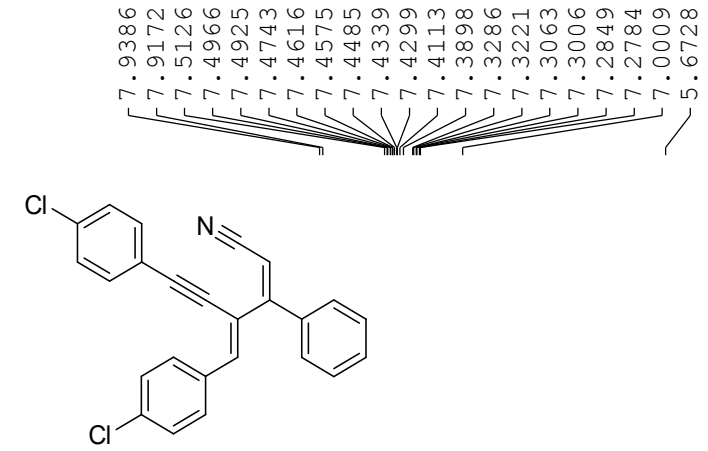
F2 - Acquisition Parameters
Date_ 20160316
Time 2.59
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 6000
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 198.09
DW 20.800 usec
DE 6.50 usec
TE 298.4 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6228298 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.50000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 15.00000000 W
PLW12 0.33750001 W
PLW13 0.27338001 W

F2 - Processing parameters
SI 32768
SF 100.6127476 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.00

(2Z,4E)-4-(4-chlorobenzylidene)-6-(4-chlorophenyl)-3-phenylhex-2-en-5-ynenitrile (6'i)

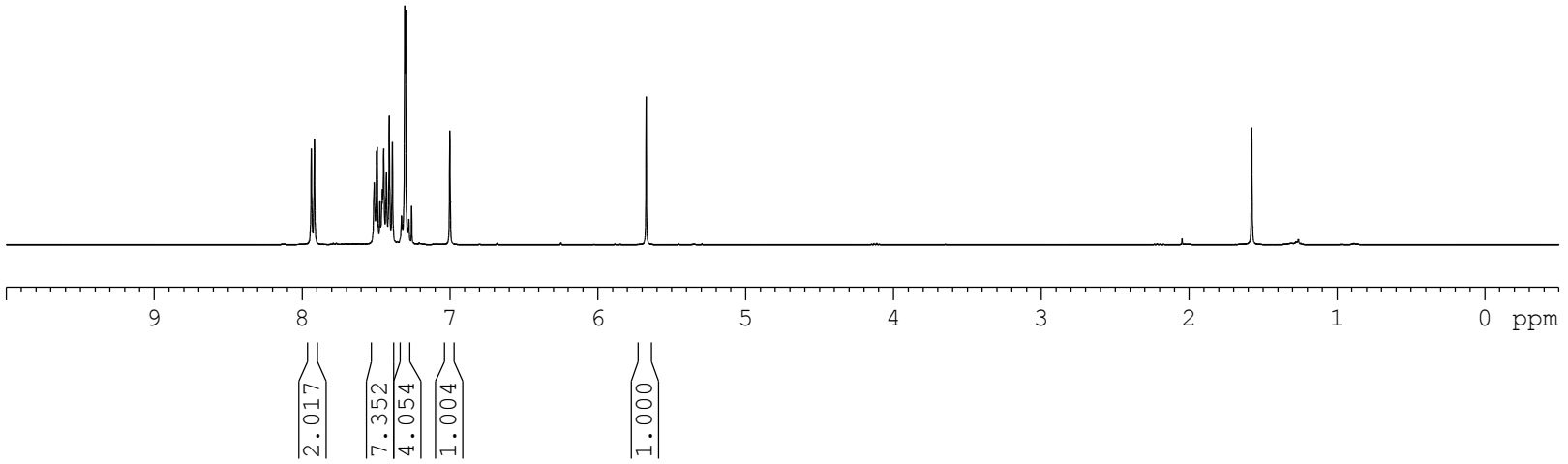


Current Data Parameters
NAME TRY
EXPNO 618
PROCNO 1

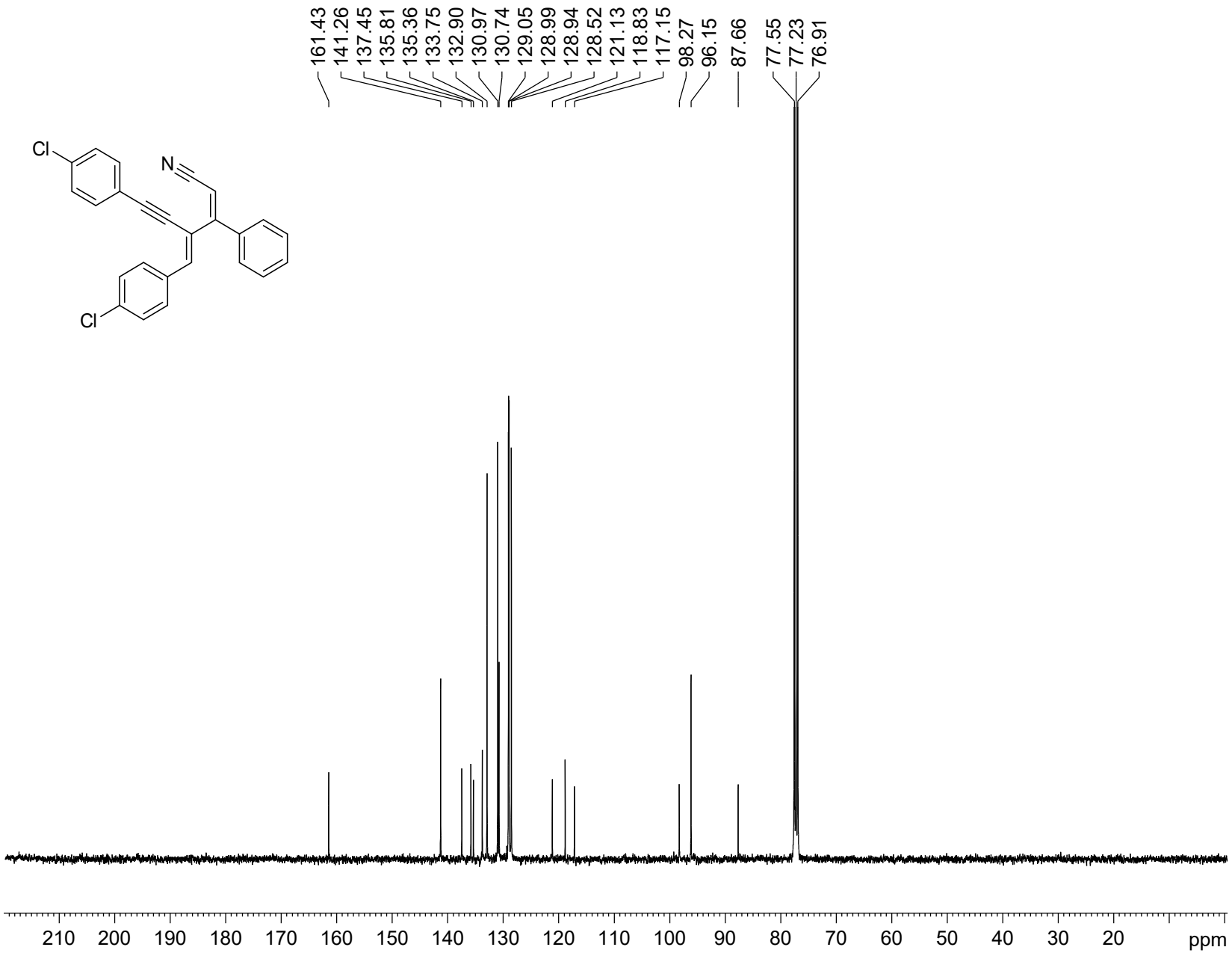
F2 - Acquisition Parameters
Date_ 20160316
Time 1.09
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7211.539 Hz
FIDRES 0.220079 Hz
AQ 2.2719147 sec
RG 113.31
DW 69.333 usec
DE 10.50 usec
TE 297.3 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 400.1324008 MHz
NUC1 1H
P1 12.90 usec
PLW1 15.00000000 W

F2 - Processing parameters
SI 16384
SF 400.1300100 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



(2Z,4E)-4-(4-chlorobenzylidene)-6-(4-chlorophenyl)-3-phenylhex-2-en-5-ynenitrile (6'i)



Current Data Parameters
NAME TRY
EXPNO 619
PROCNO 1

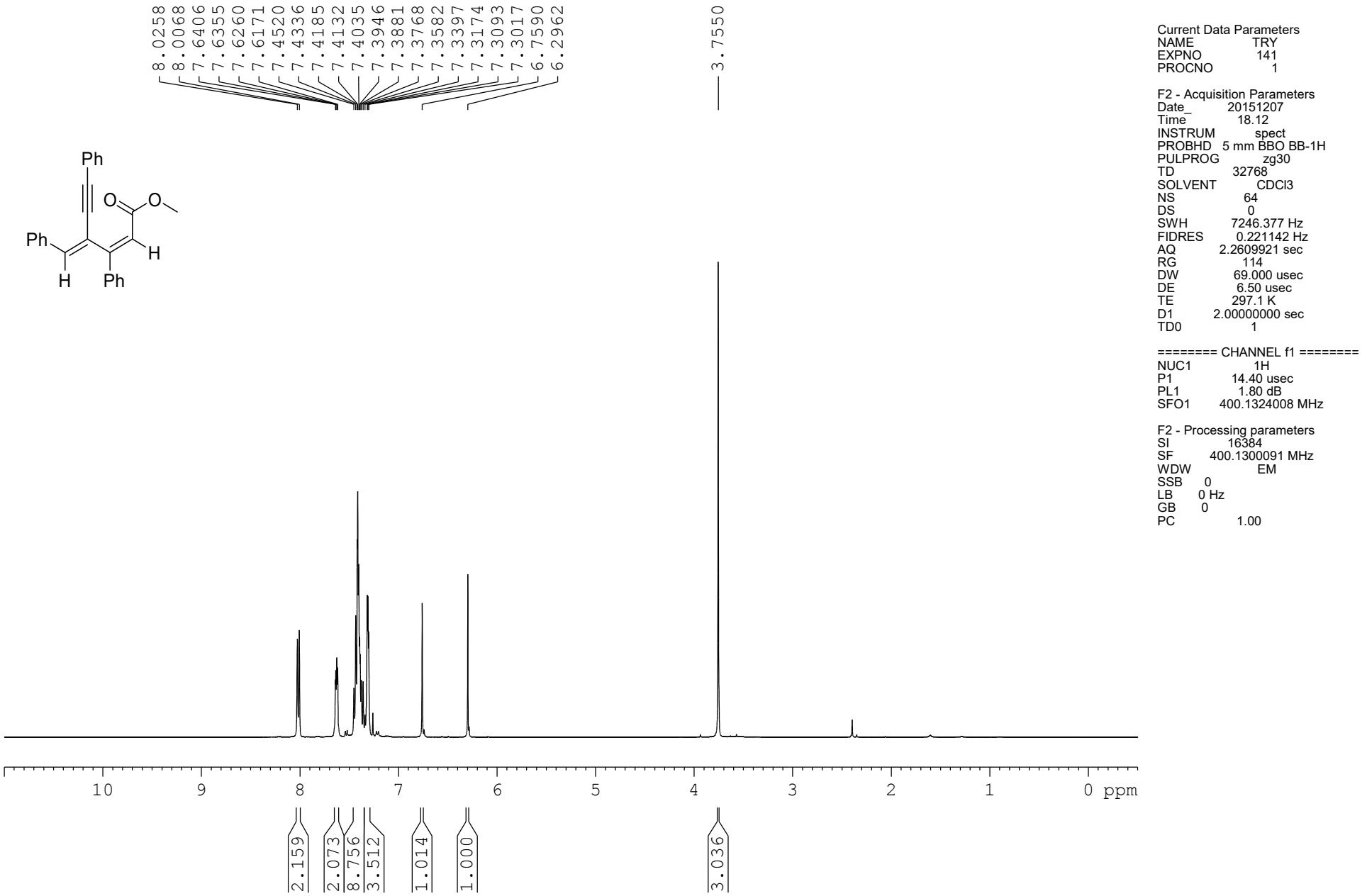
F2 - Acquisition Parameters
Date_ 20160316
Time 1.12
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1315
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 198.09
DW 20.800 usec
DE 6.50 usec
TE 297.5 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 100.6228298 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.50000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 15.00000000 W
PLW12 0.33750001 W
PLW13 0.27338001 W

F2 - Processing parameters
SI 32768
SF 100.6127490 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.00

(2Z,4E)-methyl 4-benzylidene-3,6-diphenylhex-2-en-5-ynoate (8)



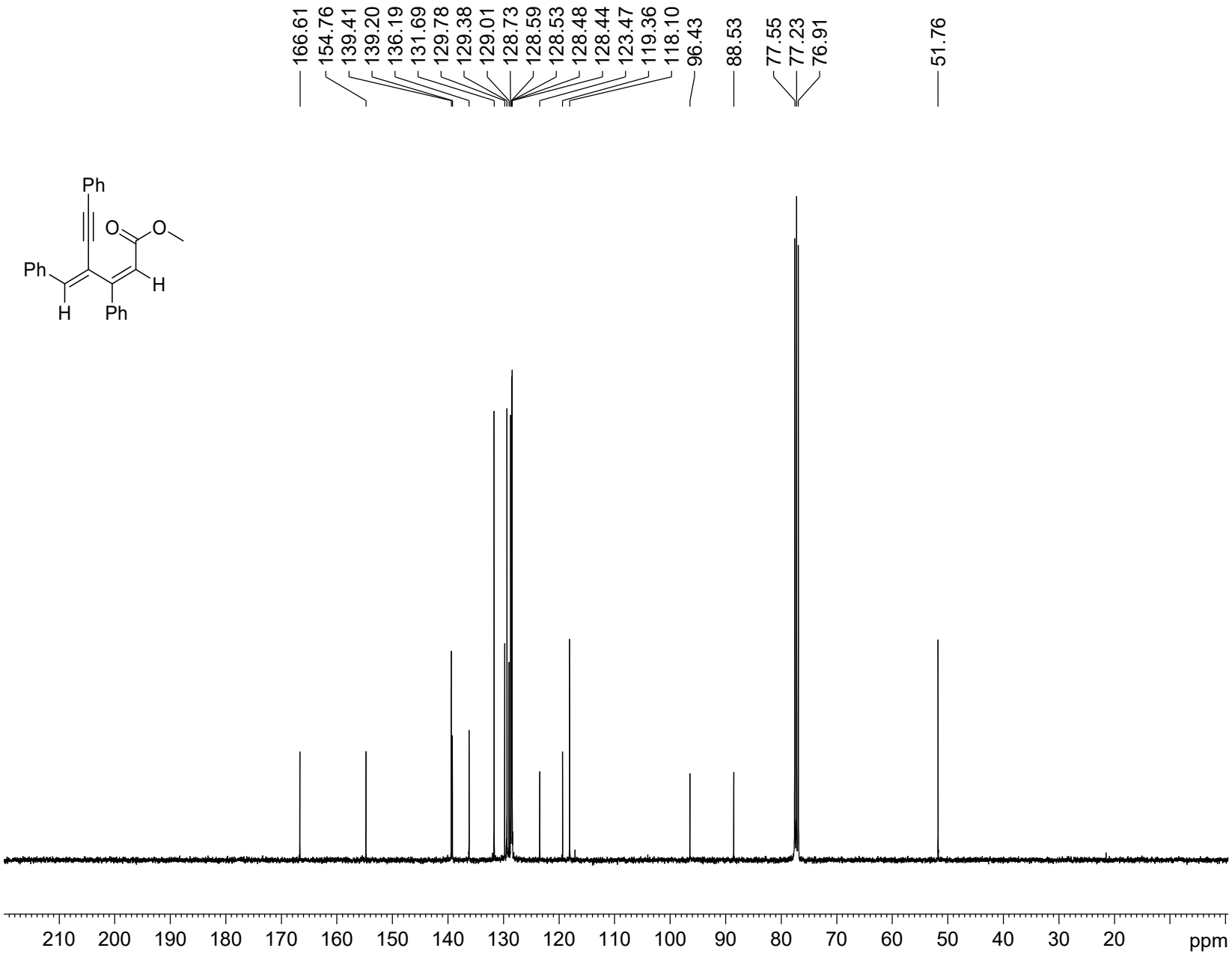
Current Data Parameters
NAME TRY
EXPNO 141
PROCNO 1

F2 - Acquisition Parameters
Date_ 20151207
Time 18.12
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 114
DW 69.000 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300091 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00

(2Z,4E)-methyl 4-benzylidene-3,6-diphenylhex-2-en-5-ynoate (8)



Current Data Parameters
NAME TRY
EXPNO 142
PROCNO 1

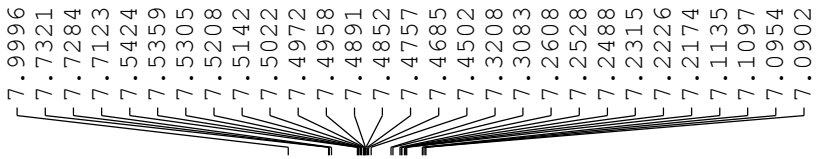
F2 - Acquisition Parameters
Date_ 20151207
Time 18.15
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1000
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 5792.6
DW 20.800 usec
DE 6.50 usec
TE 297.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

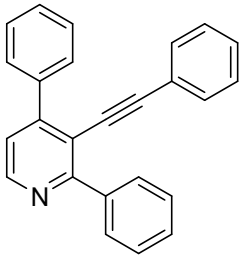
======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127529 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

2,4-diphenyl-3-(phenylethynyl)pyridine (10a)



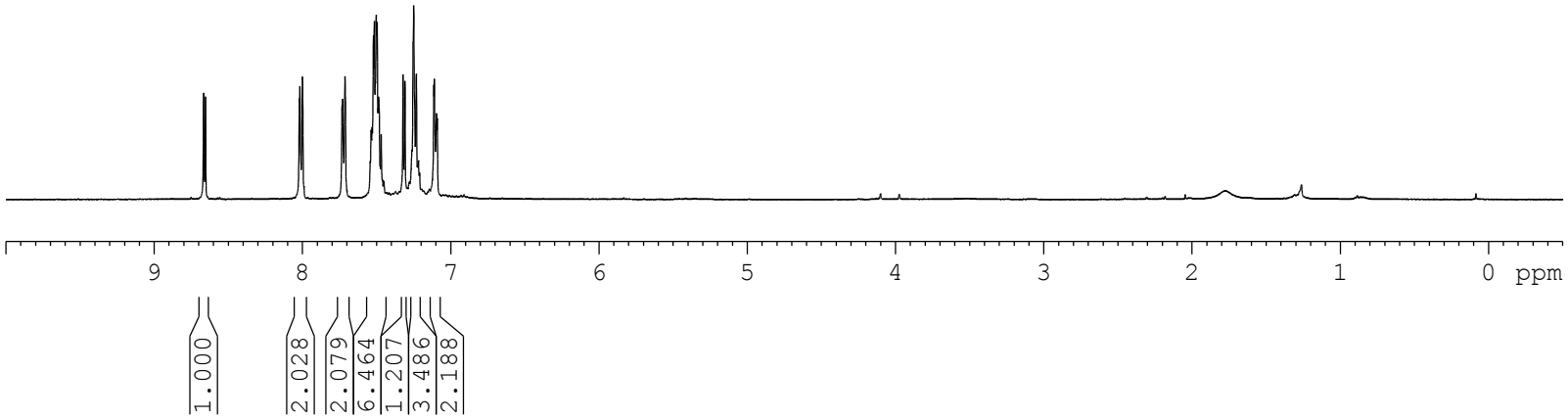


Current Data Parameters
NAME TRY
EXPNO 174
PROCNO 1

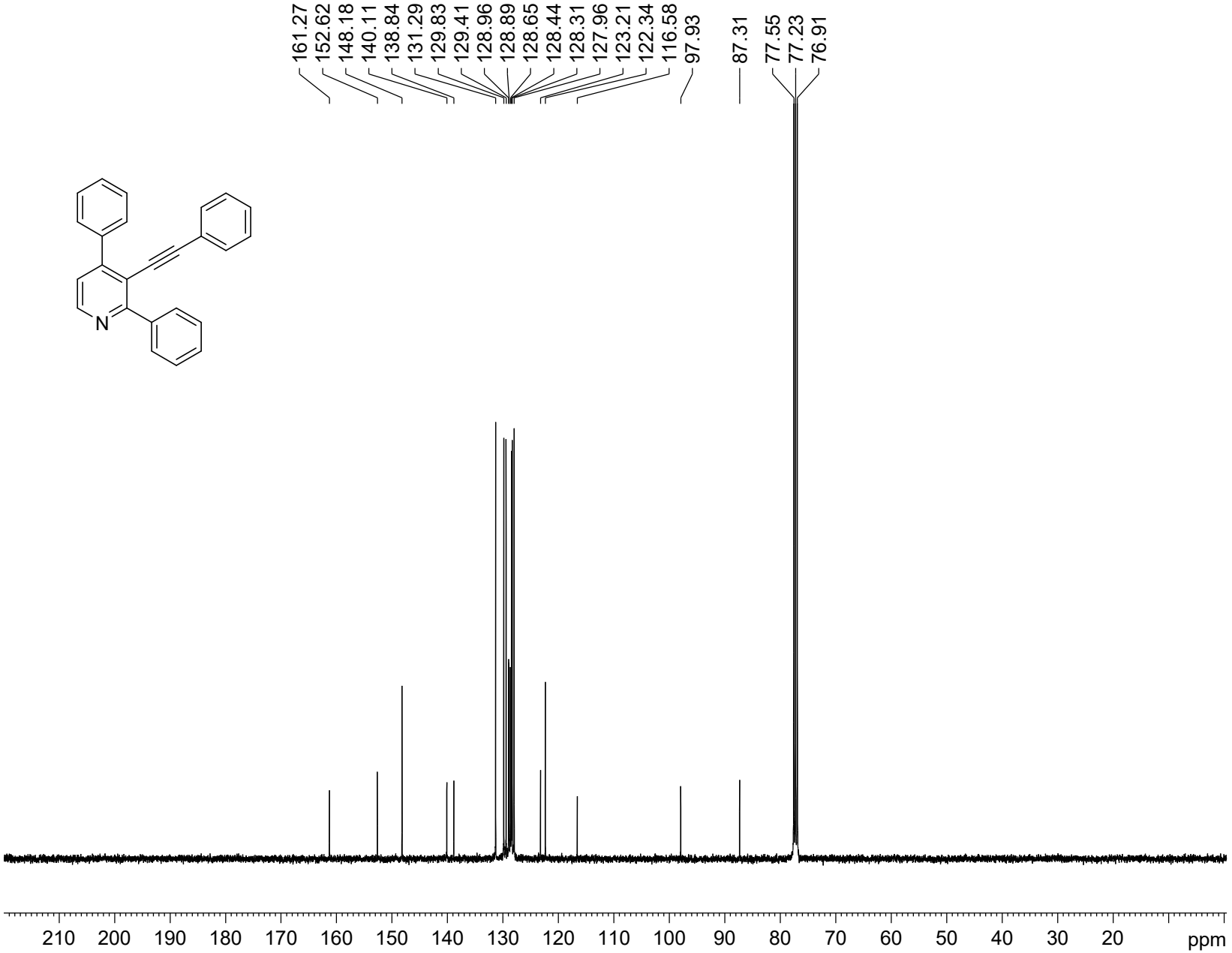
F2 - Acquisition Parameters
Date_ 20160104
Time 17.55
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 114
DW 69.000 usec
DE 6.50 usec
TE 295.7 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300118 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



2,4-diphenyl-3-(phenylethynyl)pyridine (10a)



Current Data Parameters
NAME TRY
EXPNO 175
PROCNO 1

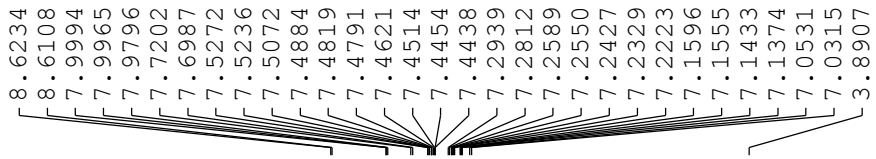
F2 - Acquisition Parameters
Date_ 20160104
Time 18.00
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1200
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 8192
DW 20.800 usec
DE 6.50 usec
TE 295.7 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

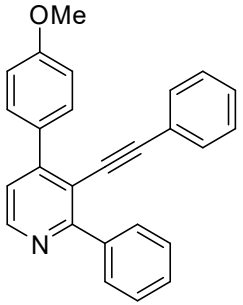
======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127514 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

4-(4-methoxyphenyl)-2-phenyl-3-(phenylethynyl)pyridine (10b)a



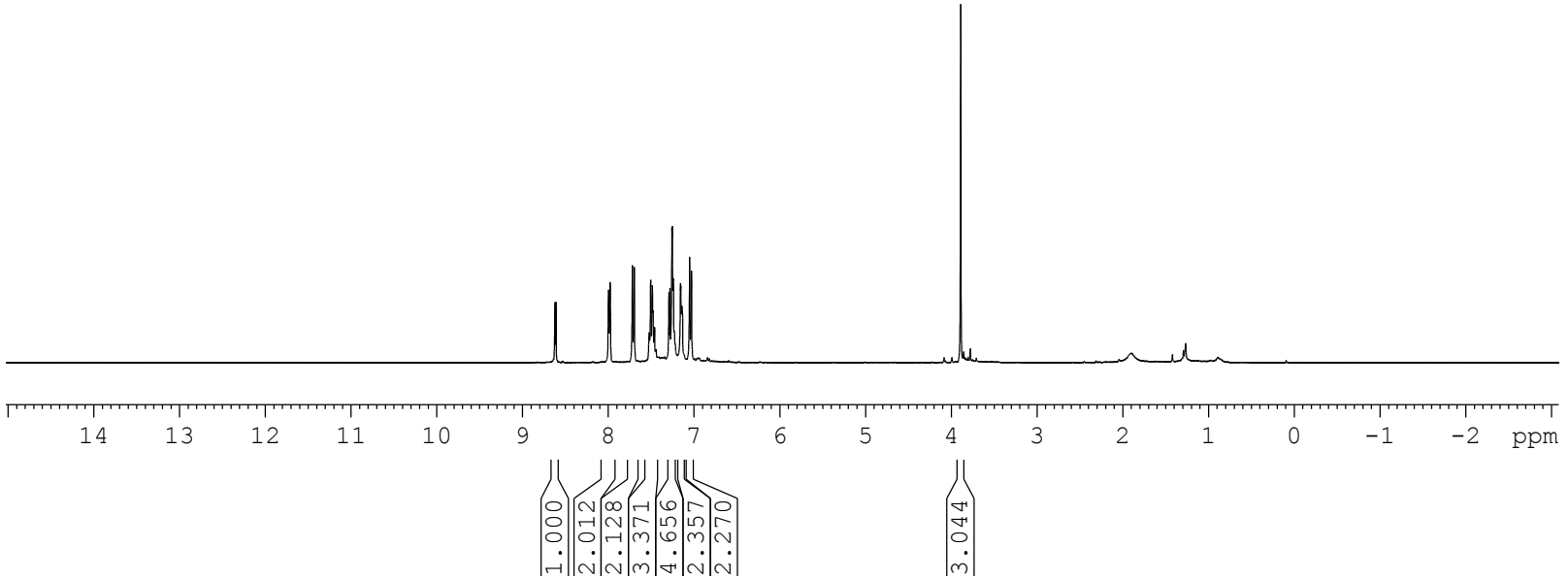


Current Data Parameters
NAME TRY
EXPNO 169
PROCNO 1

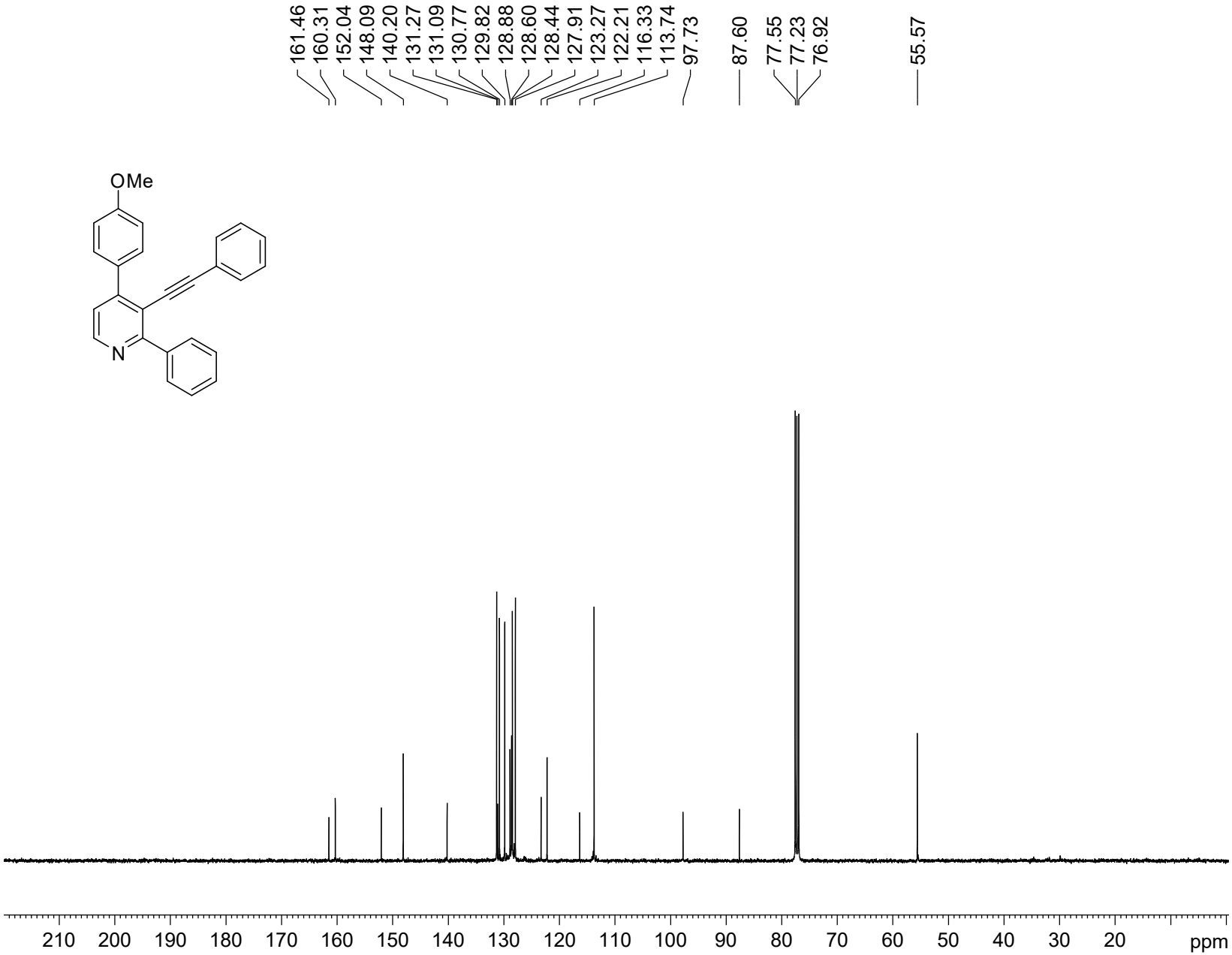
F2 - Acquisition Parameters
Date_ 20151230
Time 18.08
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 64
DW 69.000 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300118 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



4-(4-methoxyphenyl)-2-phenyl-3-(phenylethynyl)pyridine (10b)a



Current Data Parameters
NAME TRY
EXPNO 170
PROCNO 1

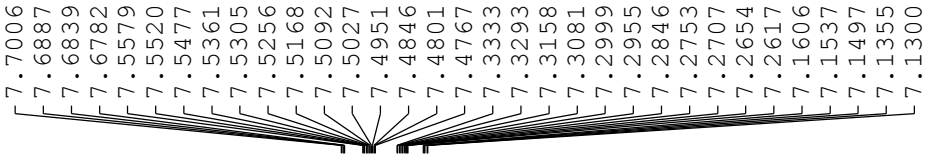
F2 - Acquisition Parameters
Date_ 20151230
Time 18.11
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1200
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 8192
DW 20.800 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

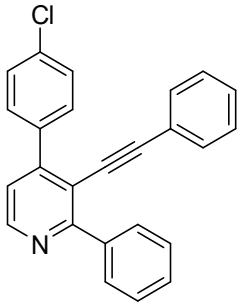
======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127536 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

4-(4-chlorophenyl)-2-phenyl-3-(phenylethynyl)pyridine (10c)



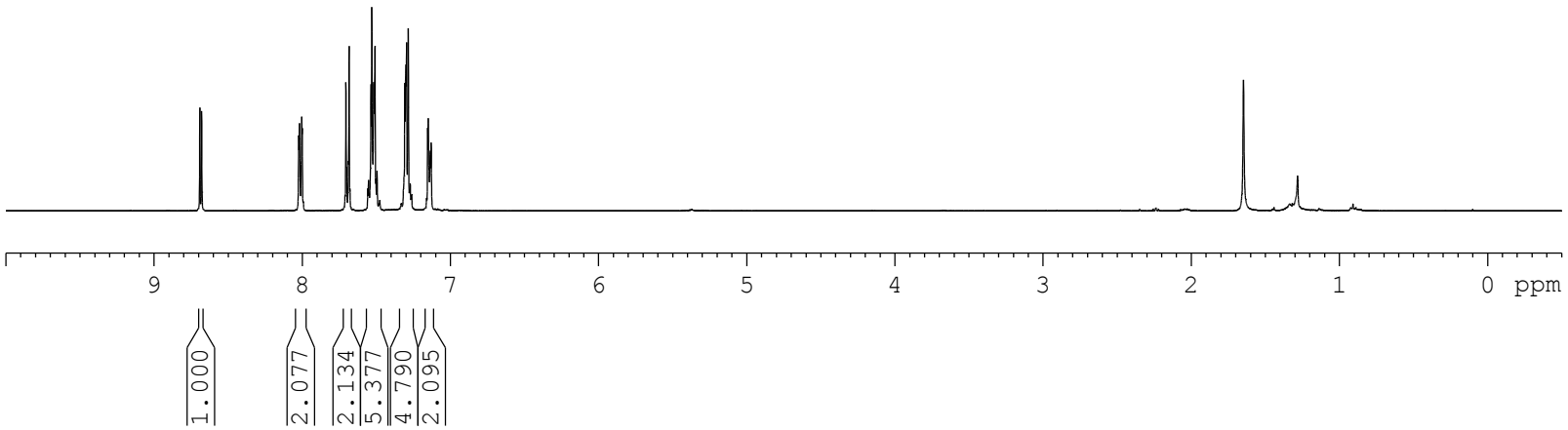


Current Data Parameters
NAME TRY
EXPNO 600
PROCNO 1

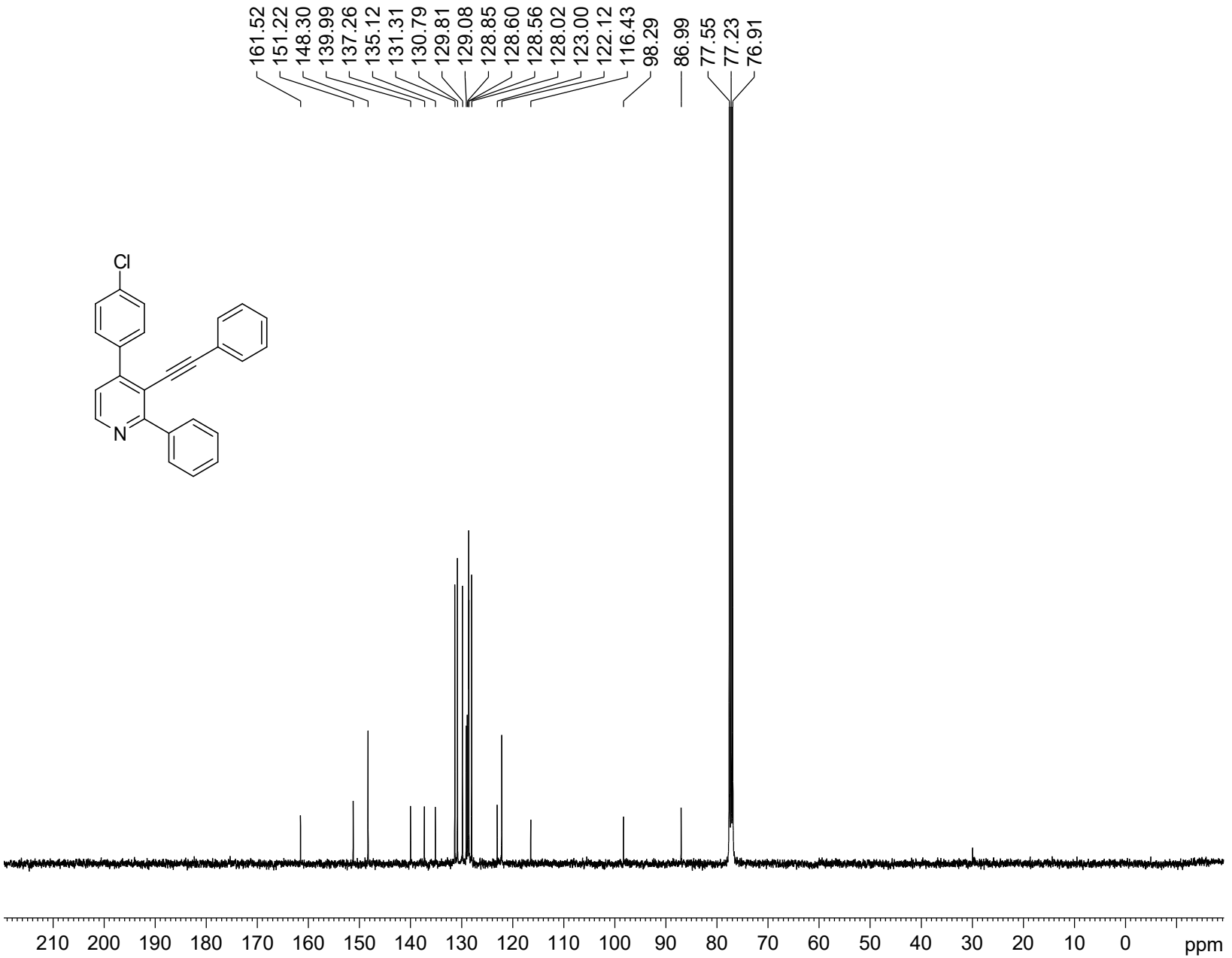
F2 - Acquisition Parameters
Date_ 20160313
Time 13.33
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 7211.539 Hz
FIDRES 0.220079 Hz
AQ 2.2719147 sec
RG 128.9
DW 69.333 usec
DE 10.50 usec
TE 296.8 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
SFO1 400.1324008 MHz
NUC1 1H
P1 12.90 usec
PLW1 15.00000000 W

F2 - Processing parameters
SI 16384
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



4-(4-chlorophenyl)-2-phenyl-3-(phenylethynyl)pyridine (10c)



Current Data Parameters
NAME TRY
EXPNO 601
PROCNO 1

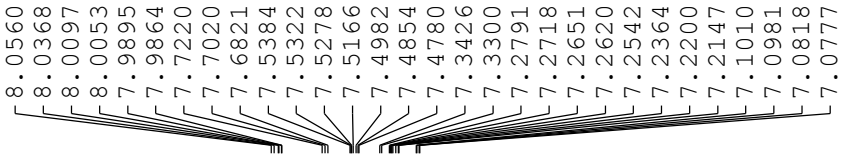
F2 - Acquisition Parameters
Date_ 20160313
Time 13.38
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1500
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 198.09
DW 20.800 usec
DE 6.50 usec
TE 297.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

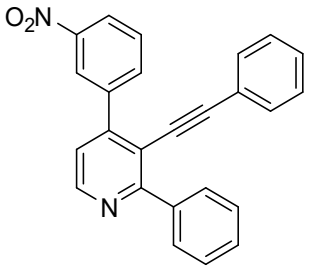
======== CHANNEL f1 ========
SFO1 100.6228298 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.50000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 15.00000000 W
PLW12 0.33750001 W
PLW13 0.27338001 W

F2 - Processing parameters
SI 32768
SF 100.6127482 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.00

4-(3-nitrophenyl)-2-phenyl-3-(phenylethynyl)pyridine (10d) 1



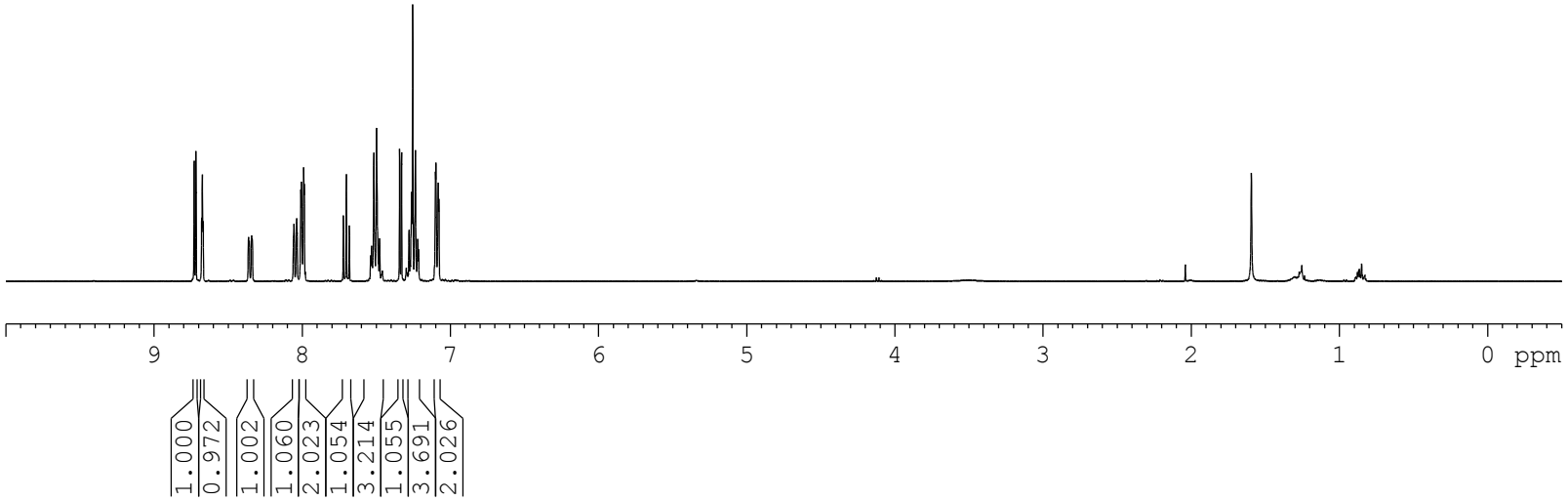


Current Data Parameters
NAME TRY
EXPNO 163
PROCNO 1

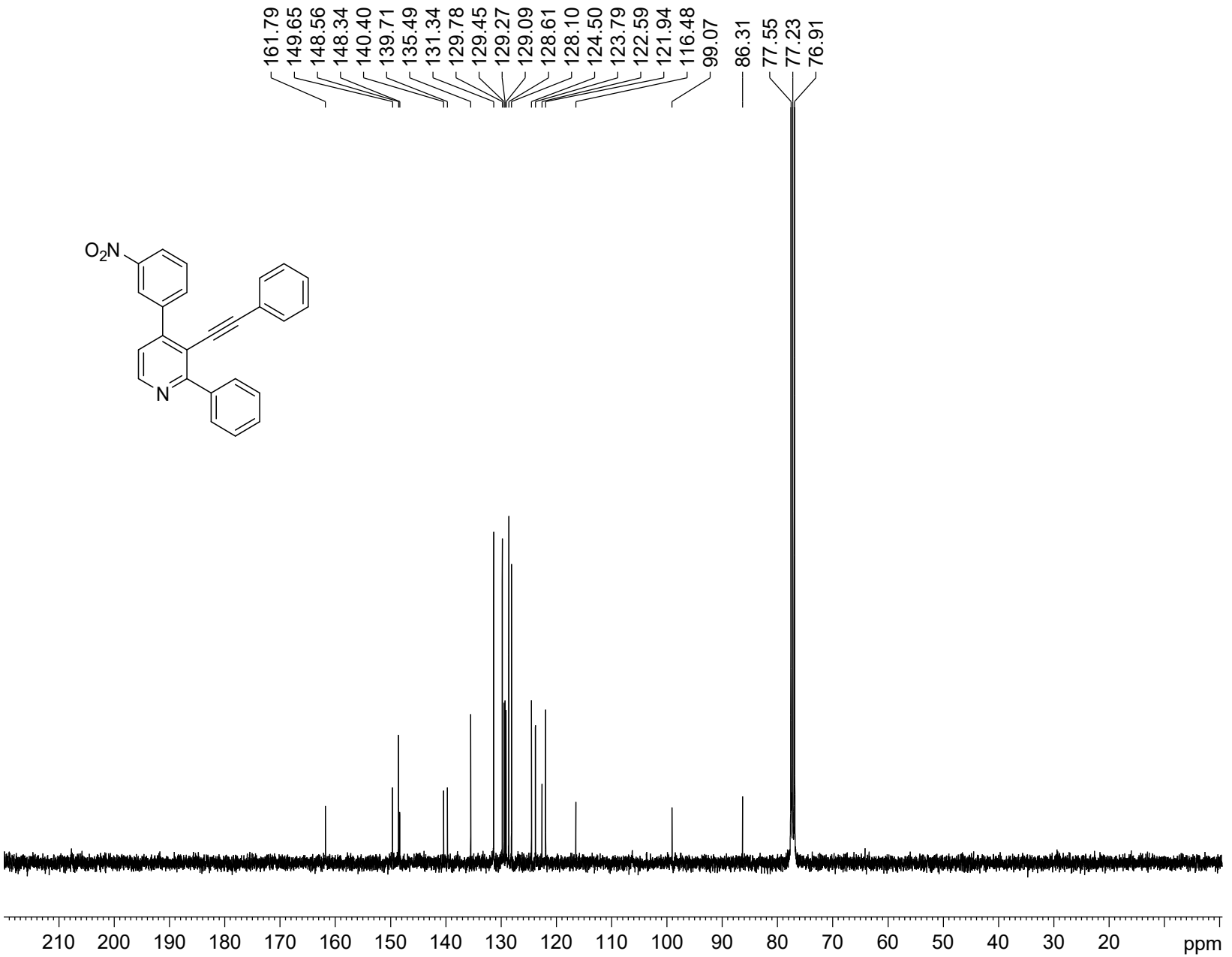
F2 - Acquisition Parameters
Date_ 20151224
Time 12.10
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 64
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 228.1
DW 69.000 usec
DE 6.50 usec
TE 296.9 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300118 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



4-(3-nitrophenyl)-2-phenyl-3-(phenylethynyl)pyridine (10d)



Current Data Parameters
NAME TRY
EXPNO 164
PROCNO 1

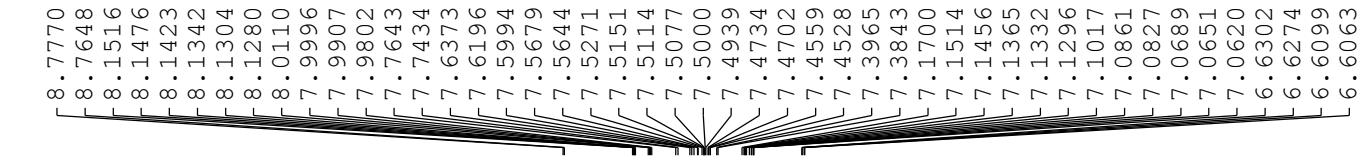
F2 - Acquisition Parameters
Date_ 20151224
Time 12.14
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1000
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 8192
DW 20.800 usec
DE 6.50 usec
TE 296.9 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

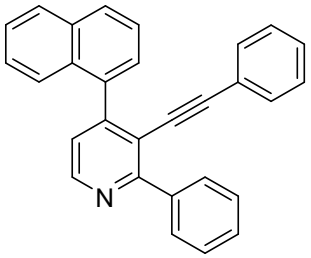
======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

F2 - Processing parameters
SI 32768
SF 100.6127481 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

4-(naphthalen-1-yl)-2-phenyl-3-(phenylethynyl)pyridine (10e)



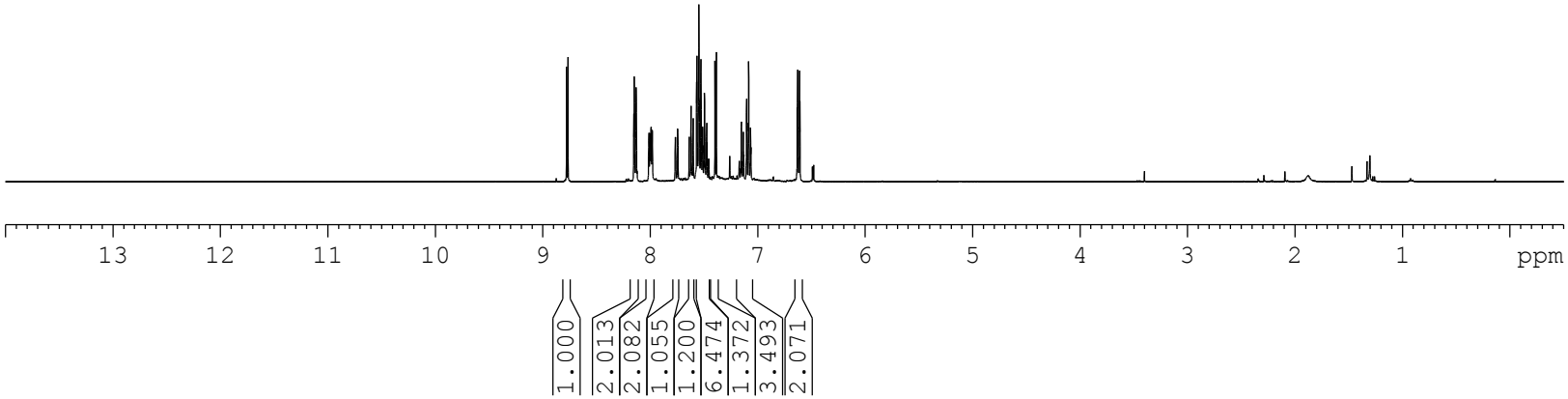


Current Data Parameters
NAME TRY
EXPNO 869
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170622
Time 19.40
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 0
SWH 7211.539 Hz
FIDRES 0.220079 Hz
AQ 2.2719147 sec
RG 51.8
DW 69.333 usec
DE 10.50 usec
TE 298.0 K
D1 2.00000000 sec
TD0 1

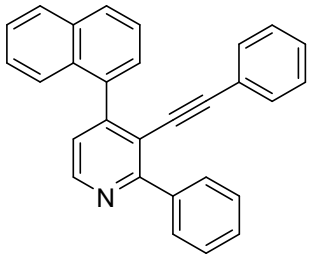
======== CHANNEL f1 ========
SFO1 400.1324008 MHz
NUC1 1H
P1 12.90 usec
PLW1 15.00000000 W

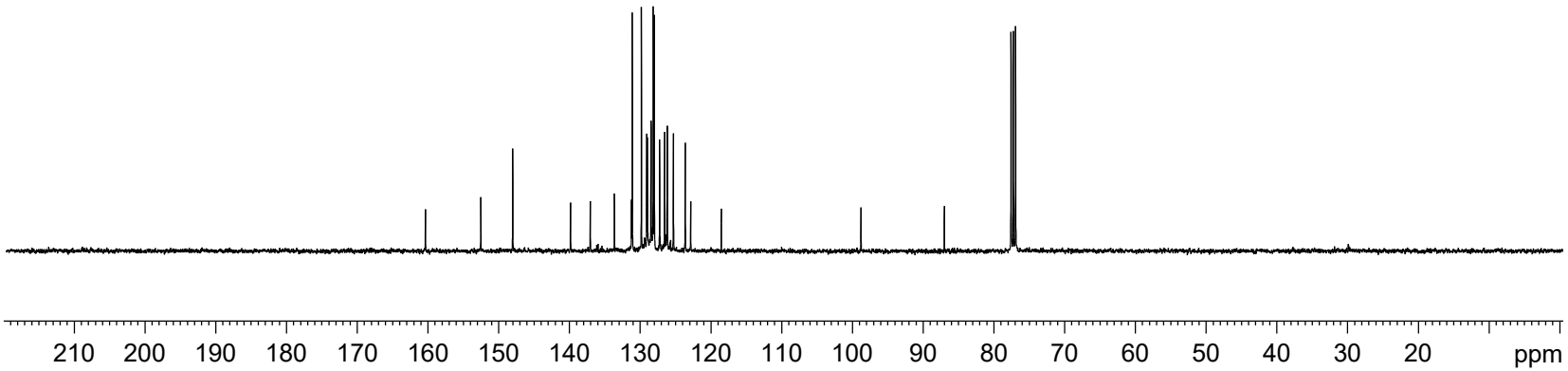
F2 - Processing parameters
SI 16384
SF 400.1300102 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



4-(naphthalen-1-yl)-2-phenyl-3-(phenylethynyl)pyridine (10e)

160.34 152.51 148.00 139.83 137.04 133.63 131.22 131.10 129.81 129.06 128.96 128.46 128.43 128.14 127.99 127.24 126.53 126.18 126.13 125.28 123.61 122.84 118.51 98.76 86.98 77.54 77.23 76.91





Current Data Parameters
NAME TRY
EXPNO 870
PROCNO 1

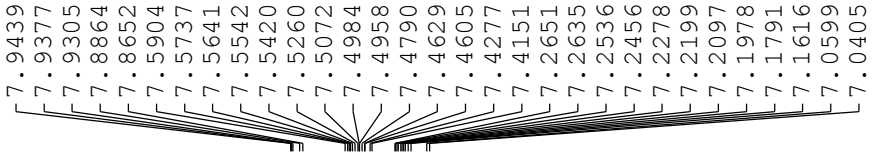
F2 - Acquisition Parameters
Date_ 20170622
Time 19.41
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 139
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 198.09
DW 20.800 usec
DE 6.50 usec
TE 298.1 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

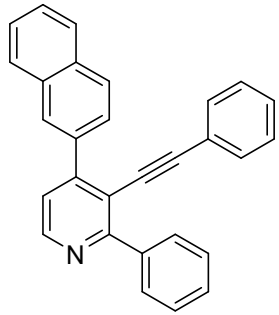
======== CHANNEL f1 ========
SFO1 100.6228298 MHz
NUC1 13C
P1 10.00 usec
PLW1 47.50000000 W

======== CHANNEL f2 ========
SFO2 400.1316005 MHz
NUC2 1H
CPDPRG[2 waltz16
PCPD2 90.00 usec
PLW2 15.00000000 W
PLW12 0.33750001 W
PLW13 0.27338001 W

F2 - Processing parameters
SI 32768
SF 100.6127578 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.00

4-(naphthalen-2-yl)-2-phenyl-3-(phenylethynyl)pyridine (10f)



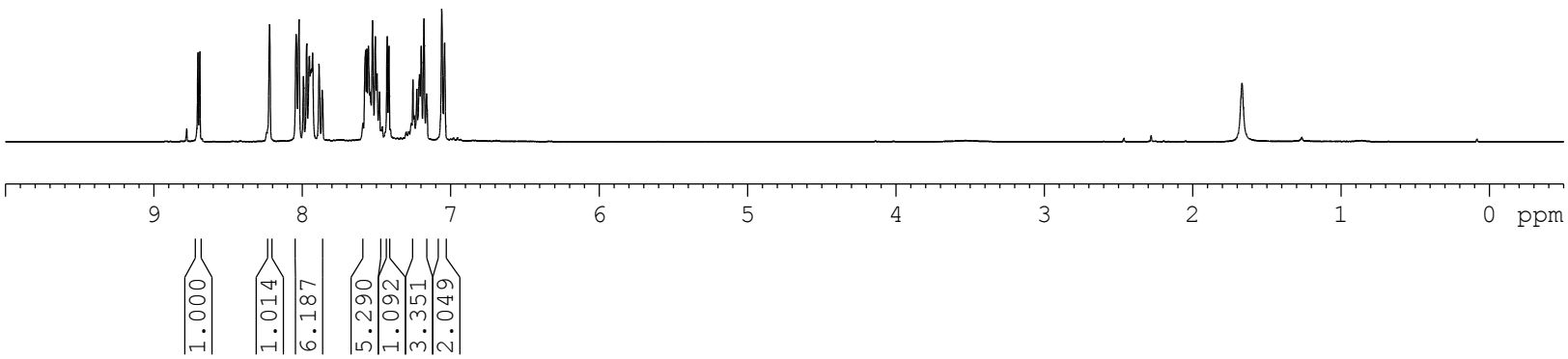


Current Data Parameters
NAME test
EXPNO 4
PROCNO 1

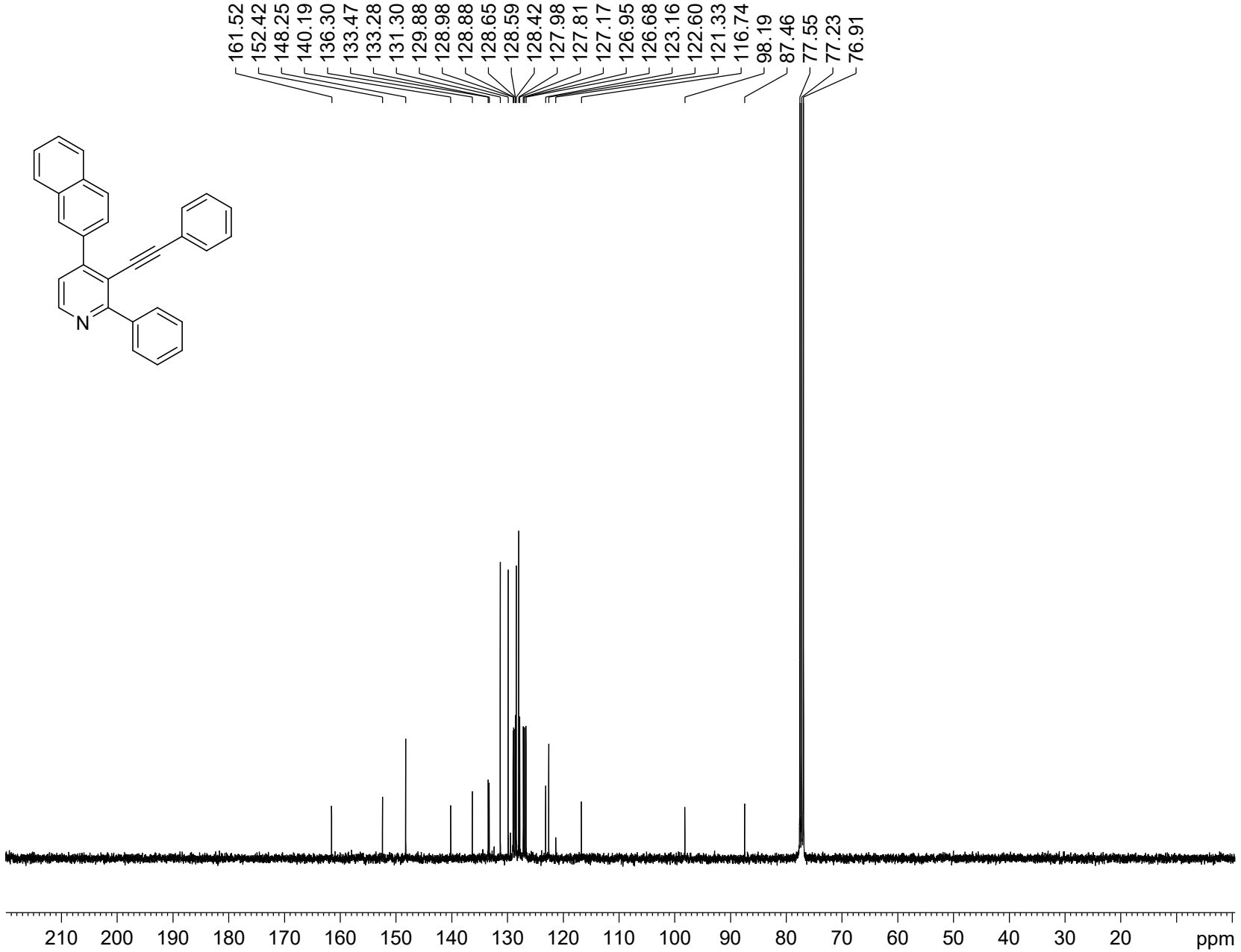
F2 - Acquisition Parameters
Date_ 20170606
Time 17.51
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 32
DS 0
SWH 7246.377 Hz
FIDRES 0.221142 Hz
AQ 2.2609921 sec
RG 114
DW 69.000 usec
DE 6.50 usec
TE 298.6 K
D1 2.00000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 1H
P1 14.40 usec
PL1 1.80 dB
SFO1 400.1324008 MHz

F2 - Processing parameters
SI 16384
SF 400.1300118 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 1.00



4-(naphthalen-2-yl)-2-phenyl-3-(phenylethynyl)pyridine (10f)



Current Data Parameters
NAME test
EXPNO 5
PROCNO 1

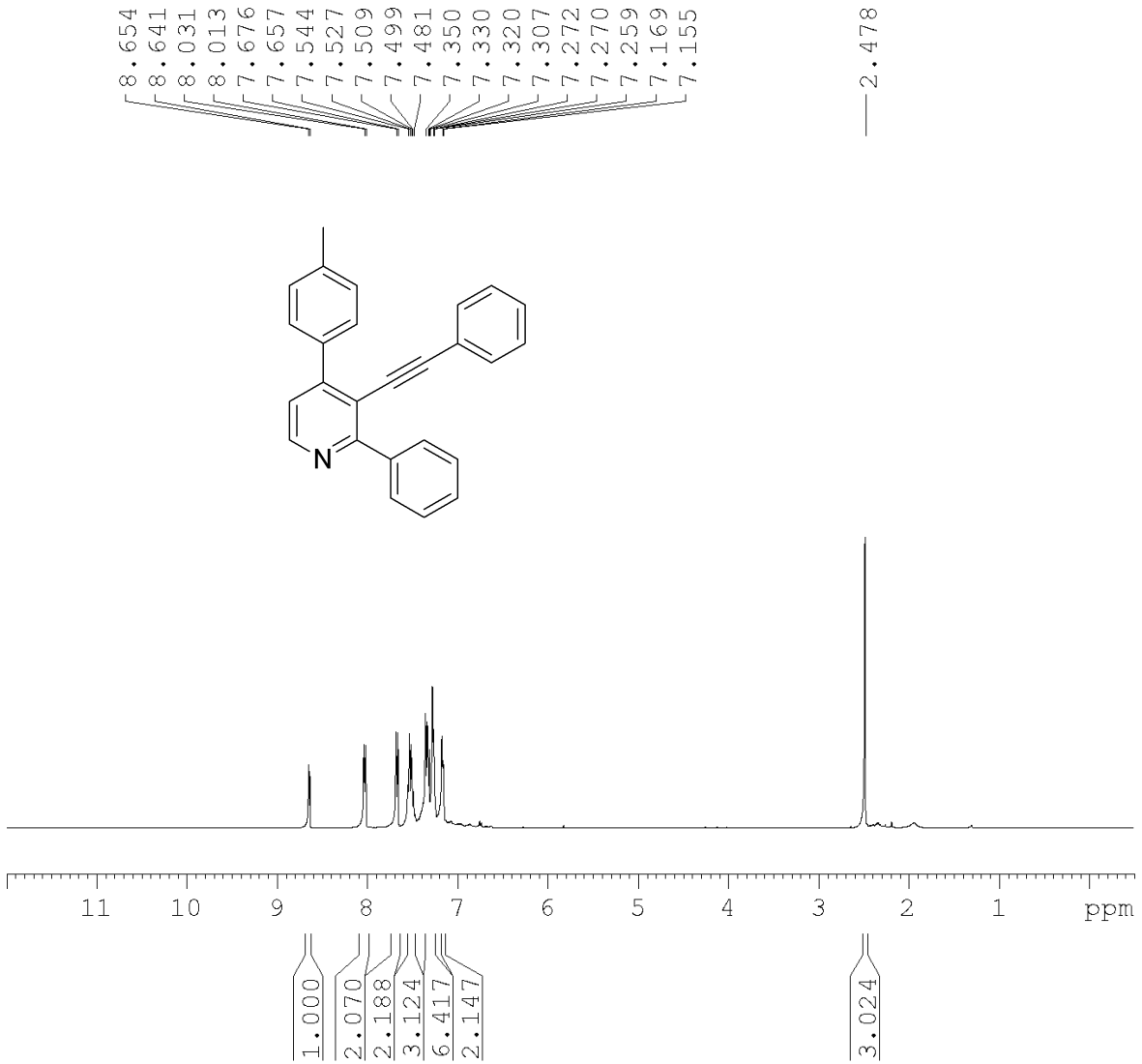
F2 - Acquisition Parameters
Date_ 20170606
Time 17.52
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 805
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 8192
DW 20.800 usec
DE 6.50 usec
TE 298.7 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 ========
NUC1 13C
P1 9.00 usec
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 ========
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 usec
PL2 1.80 dB
PL12 17.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

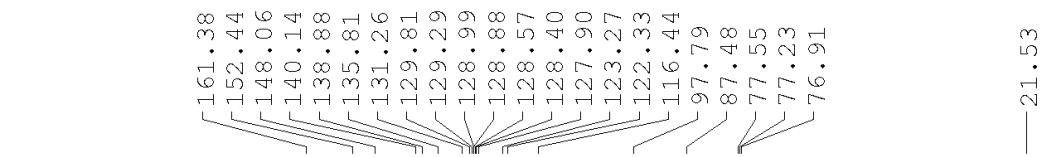
F2 - Processing parameters
SI 32768
SF 100.6127492 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

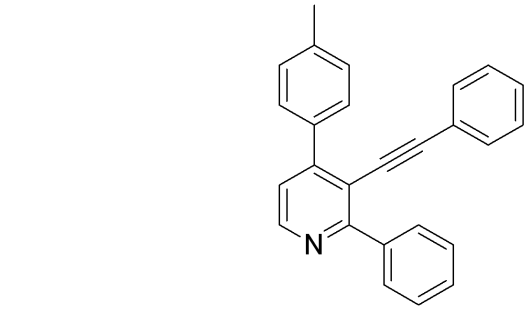
2-phenyl-3-(phenylethynyl)-4-(p-tolyl)pyridine (10g)

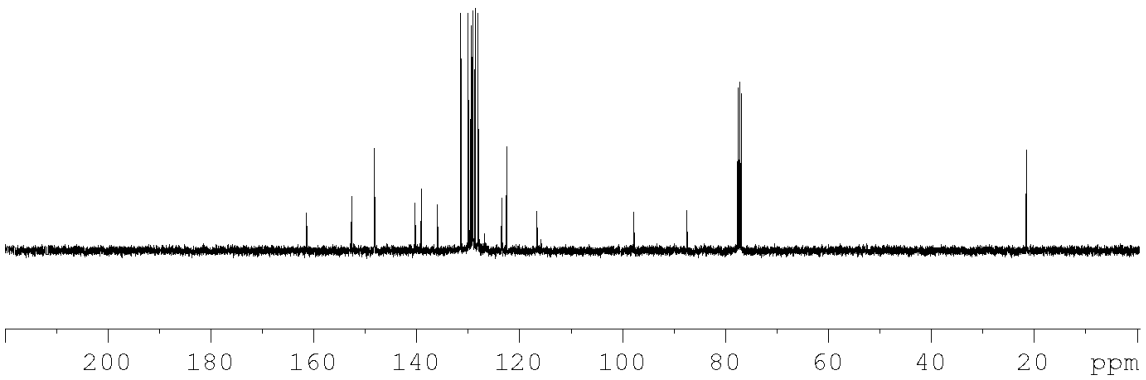



```
Current Data Parameters
NAME                      vl
EXPNO                     26
PROCNO                     1

F2 - Acquisition Parameters
Date_              20170819
Time                  18.10
INSTRUM               spect
PROBHD    5 mm BBO BB-1H
PULPROG                zg30
TD                    32768
SOLVENT               CDCl3
NS                       64
DS                        0
SWH                7246.377 Hz
FIDRES            0.221142 Hz
AQ                2.2609921 sec
RG                     45.3
DW                   69.000 usec
DE                    6.50 usec
TE                   297.8 K
D1              2.00000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                      1H
P1                   15.00 usec
PL1       0 dB
SFO1          400.1324008 MHz

F2 - Processing parameters
SI                    16384
SF            400.1300118 MHz
WDW                      EM
SSB       0
LB        0 Hz
GB        0
PC                    1.00
```

2-phenyl-3-(phenylethynyl)-4-(p-tolyl)pyridine (10g)







Current Data Parameters
NAME vl
EXPNO 27
PROCNO 1

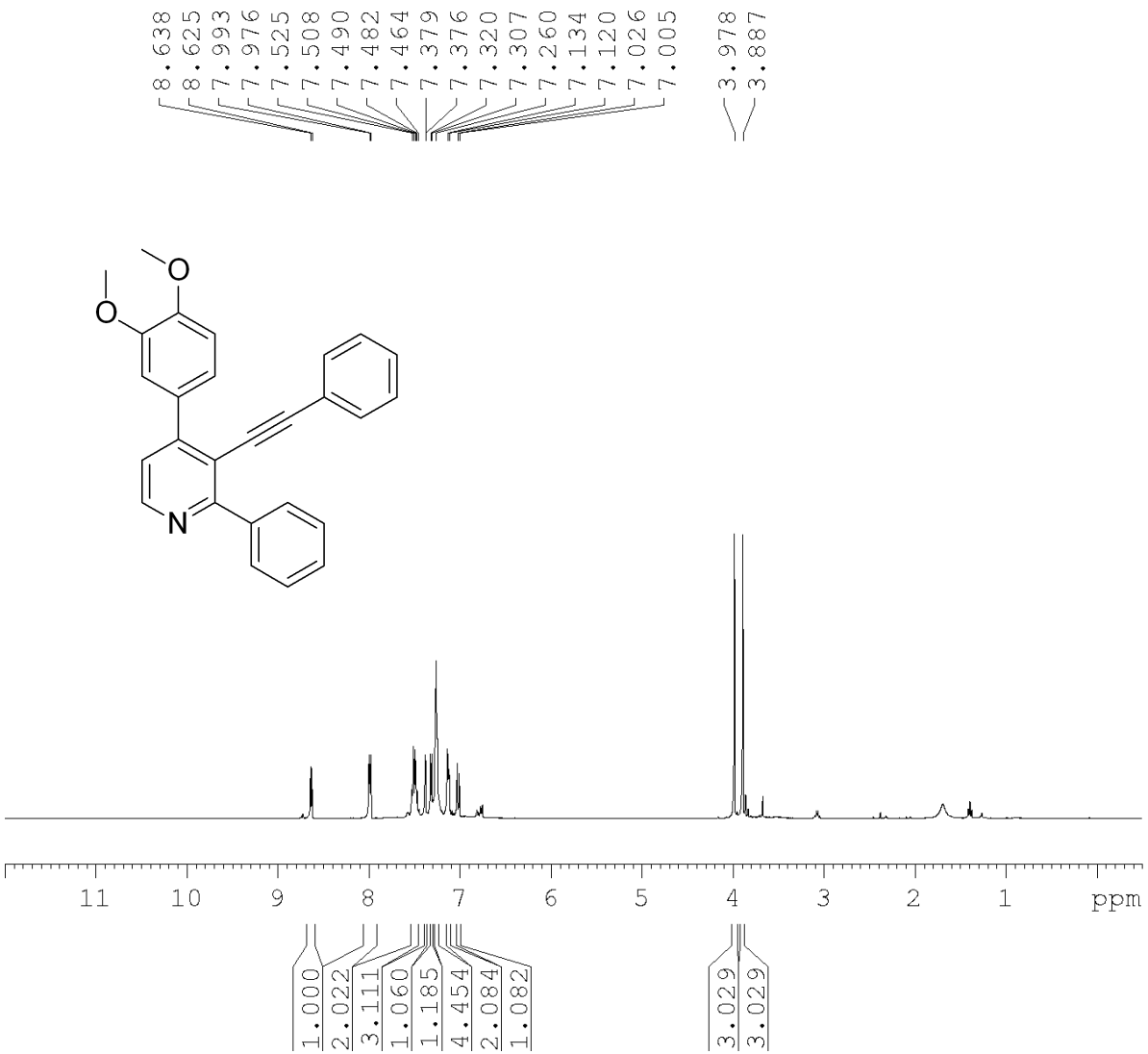
F2 - Acquisition Parameters
Date_ 20170819
Time 18.43
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 81
DS 0
SWH 24038.461 Hz
FIDRES 0.733596 Hz
AQ 0.6815744 sec
RG 5792.6
DW 20.800 use
DE 6.50 use
TE 298.4 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

======== CHANNEL f1 =======
NUC1 13C
P1 10.45 use
PL1 7.00 dB
SFO1 100.6233325 MHz

======== CHANNEL f2 =======
CPDPRG[2 waltz16
NUC2 1H
PCPD2 90.00 use
PL2 0 dB
PL12 15.00 dB
PL13 20.00 dB
SFO2 400.1316005 MHz

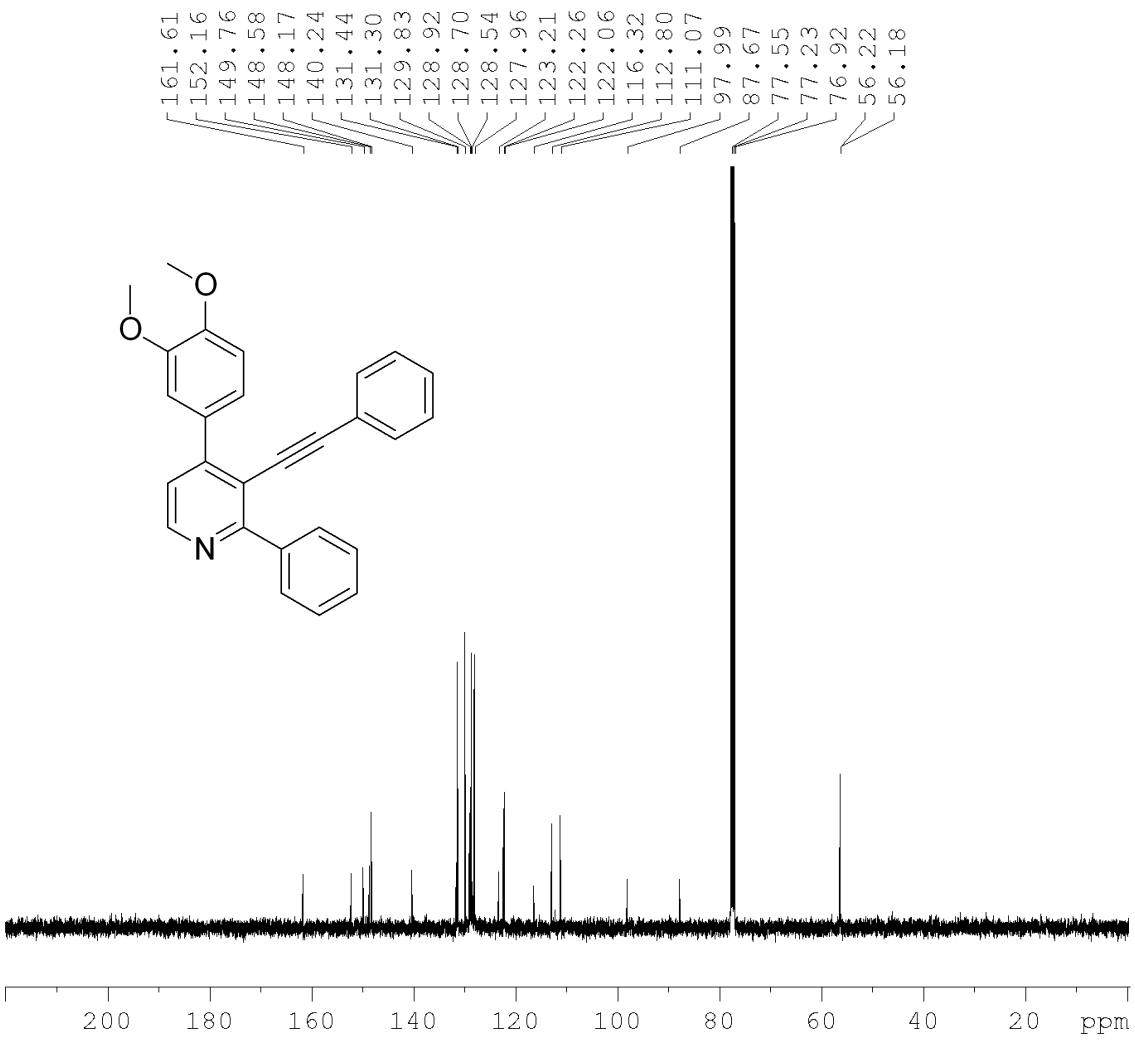
F2 - Processing parameters
SI 32768
SF 100.6127580 MHz

4-(3,4-dimethoxyphenyl)-2-phenyl-3-(phenylethynyl)pyridine (10h)




```
Current Data Parameters
NAME                      vl
EXPNO                     34
PROCNO                     1

F2 - Acquisition Parameters
Date_              20170828
Time                  19.33
INSTRUM               spect
PROBHD    5 mm BBO BB-1H
PULPROG                zg30
TD                    32768
SOLVENT               CDCl3
NS                       64
DS                        0
SWH                7246.377 Hz
FIDRES            0.221142 Hz
AQ                2.2609921 sec
RG                      114
DW                   69.000 usec
DE                    6.50 usec
TE                   297.9 K
D1             2.00000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                     1H
P1                   15.00 usec
PL1       0 dB
SFO1          400.1324008 MHz

F2 - Processing parameters
SI                    16384
SF            400.1300091 MHz
WDW                      EM
SSB       0
LB        0 Hz
GB        0
PC                    1.00
```

4-(3,4-dimethoxyphenyl)-2-phenyl-3-(phenylethynyl)pyridine (10h)



Current Data Parameters

NAME	vl
EXPNO	35
PROCNO	1

F2 - Acquisition Parameters

Date_	20170828
Time	19.41
INSTRUM	spect
PROBHD	5 mm BBO BB-1H
PULPROG	zgpg30
TD	32768
SOLVENT	CDCl3
NS	524
DS	0
SWH	24038.461 Hz
FIDRES	0.733596 Hz
AQ	0.6815744 sec
RG	5792.6
DW	20.800 use
DE	6.50 use
TE	297.9 K
D1	2.00000000 sec
D11	0.03000000 sec
TD0	1

======== CHANNEL f1 =======

NUC1	13C
P1	10.45 use
PL1	7.00 dB
SFO1	100.6233325 MHz

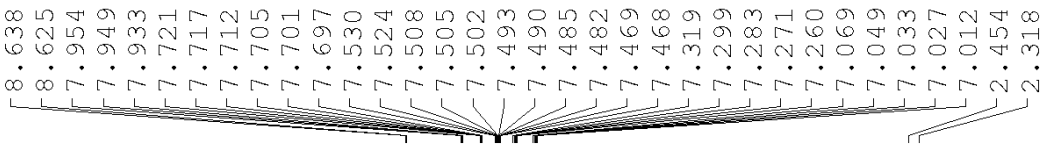
======== CHANNEL f2 =======

CPDPRG[2	waltz16
NUC2	1H
PCPD2	90.00 use
PL2	0 dB
PL12	15.00 dB
PL13	20.00 dB
SFO2	400.1316005 MHz

F2 - Processing parameters

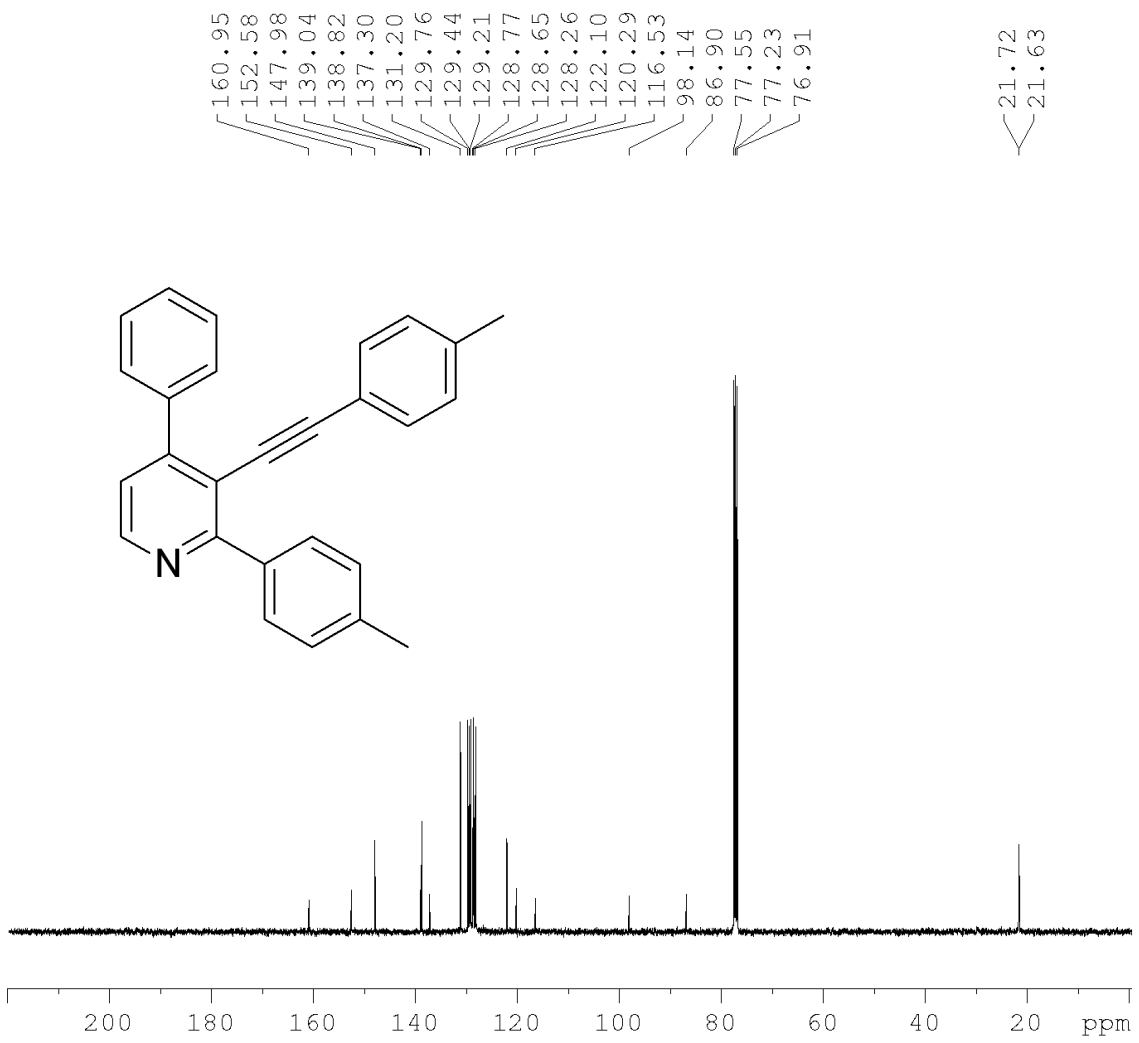
SI	32768
SF	100.6127492 MHz

4-phenyl-2-(p-tolyl)-3-(p-tolylethynyl)pyridine (10i)



```
Current Data Parameters
NAME                      vl
EXPNO                    895
PROCNO                     1

F2 - Acquisition Parameters
Date_              20170819
Time                  15.12
INSTRUM               spect
PROBHD    5 mm PABBO BB/
PULPROG                zg30
TD                    32768
SOLVENT               CDCl3
NS                       51
DS                        0
SWH                7211.539 Hz
FIDRES            0.220079 Hz
AQ                2.2719147 sec
RG                    99.72
DW                   69.333 usec
DE                   10.50 usec
TE                   298.0 K
D1               2.00000000 sec
TD0                       1

======== CHANNEL f1 ========
SFO1           400.1324008 MHz
NUC1                     1H
P1                    12.90 usec
PLW1           15.00000000 W

F2 - Processing parameters
SI                    16384
SF             400.1300099 MHz
WDW                      EM
SSB       0
LB        0 Hz
GB        0
PC                     1.00
```

4-phenyl-2-(p-tolyl)-3-(p-tolylethynyl)pyridine (10i)




```
Current Data Parameters
NAME                   vl
EXPNO                 896
PROCNO                  1

F2 - Acquisition Parameters
Date_           20170819
Time               15.17
INSTRUM            spect
PROBHD   5 mm PABBO BB/
PULPROG          zgpg30
TD                32768
SOLVENT           CDCl3
NS                  647
DS                    0
SWH           24038.461 Hz
FIDRES         0.733596 Hz
AQ            0.6815744 sec
RG               198.09
DW               20.800 use
DE                6.50 use
TE                298.2 K
D1           2.00000000 sec
D11          0.03000000 sec
TD0                   1

======== CHANNEL f1 =======
SFO1        100.6228298 MHz
NUC1                13C
P1                10.00 use
PLW1        47.50000000 W

======== CHANNEL f2 =======
SFO2        400.1316005 MHz
NUC2                1H
CPDPRG[2        waltz16
PCPD2             90.00 use
PLW2        15.00000000 W
PLW12        0.33750001 W
PLW13        0.27338001 W

F2 - Processing parameters
SI                32768
SF          100.6127494 MHz
```