

Proton_A

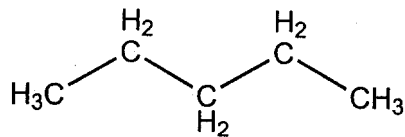
B.A. Shoulders

The University of Texas at Austin

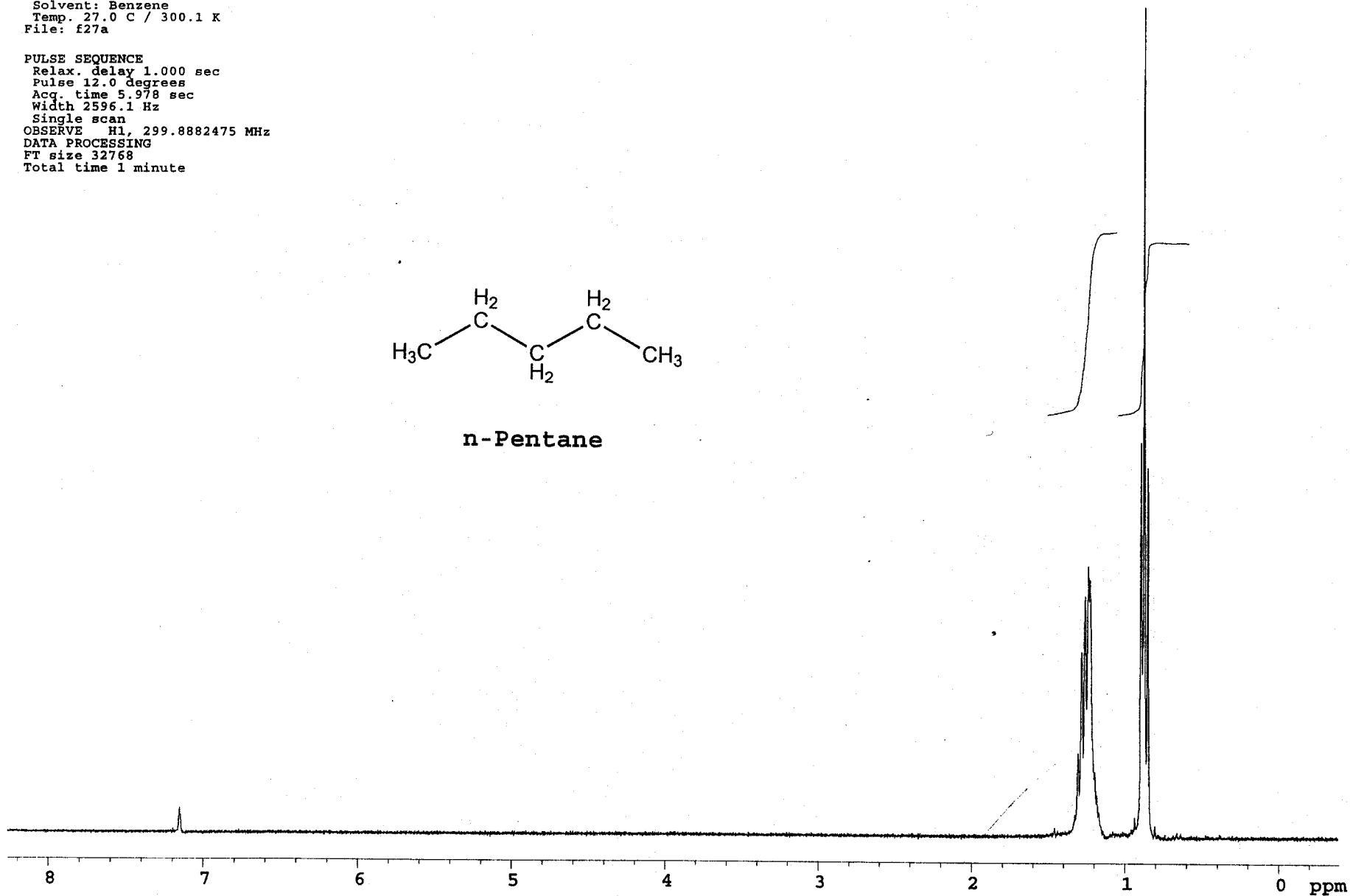
n-pentane
c5d6
f27a

Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f27a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.978 sec
Width 2596.1 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

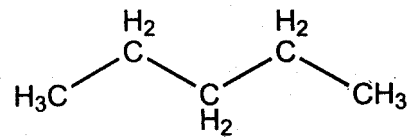


n-Pentane

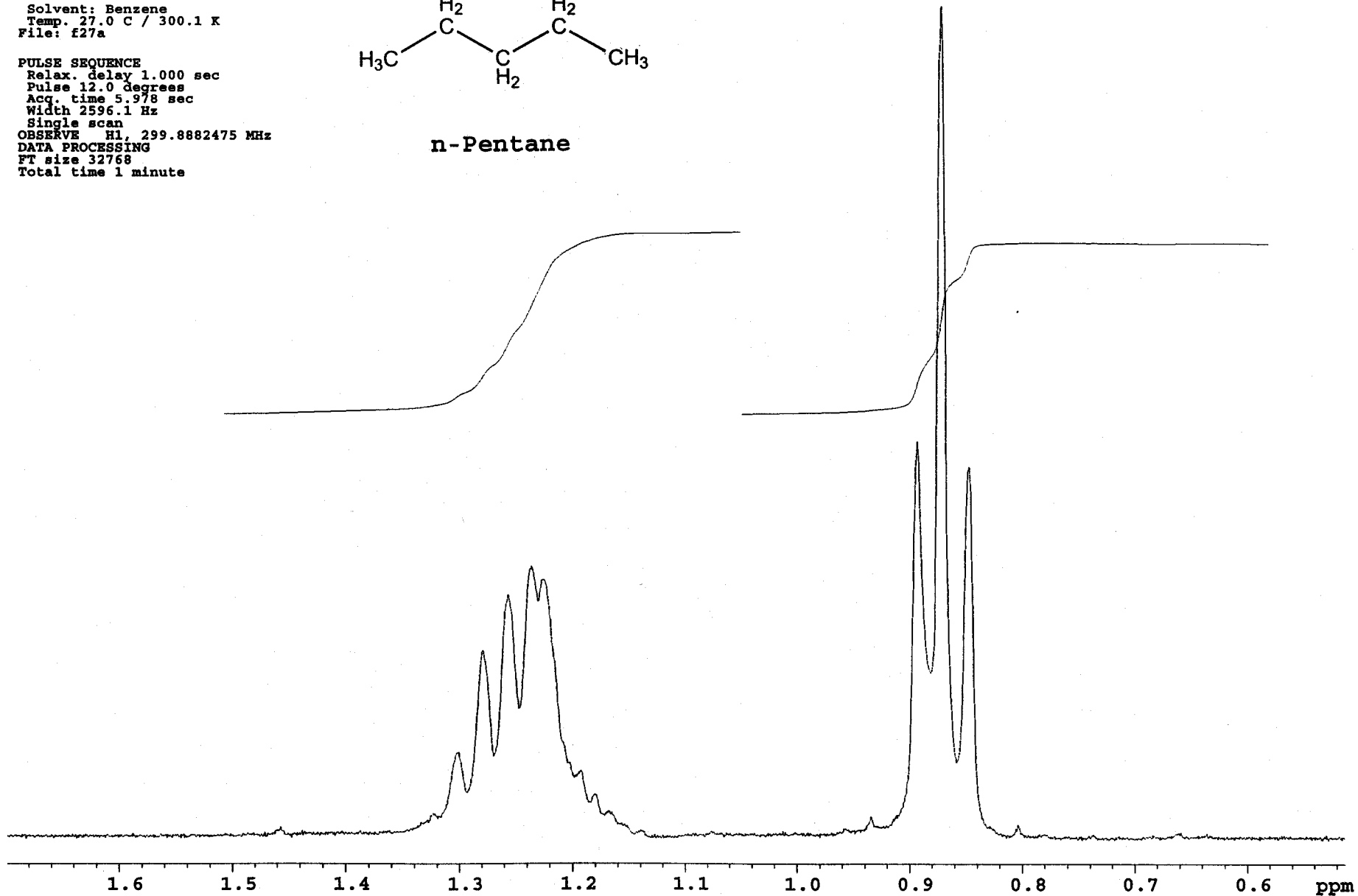


n-pentane
c6d6
f27a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f27a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.978 sec
Width 2596.1 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

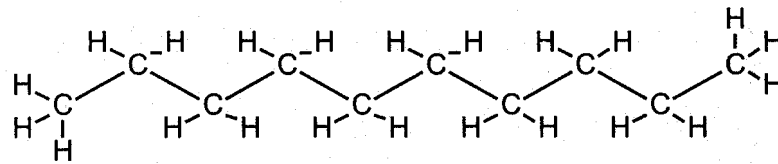


n-Pentane

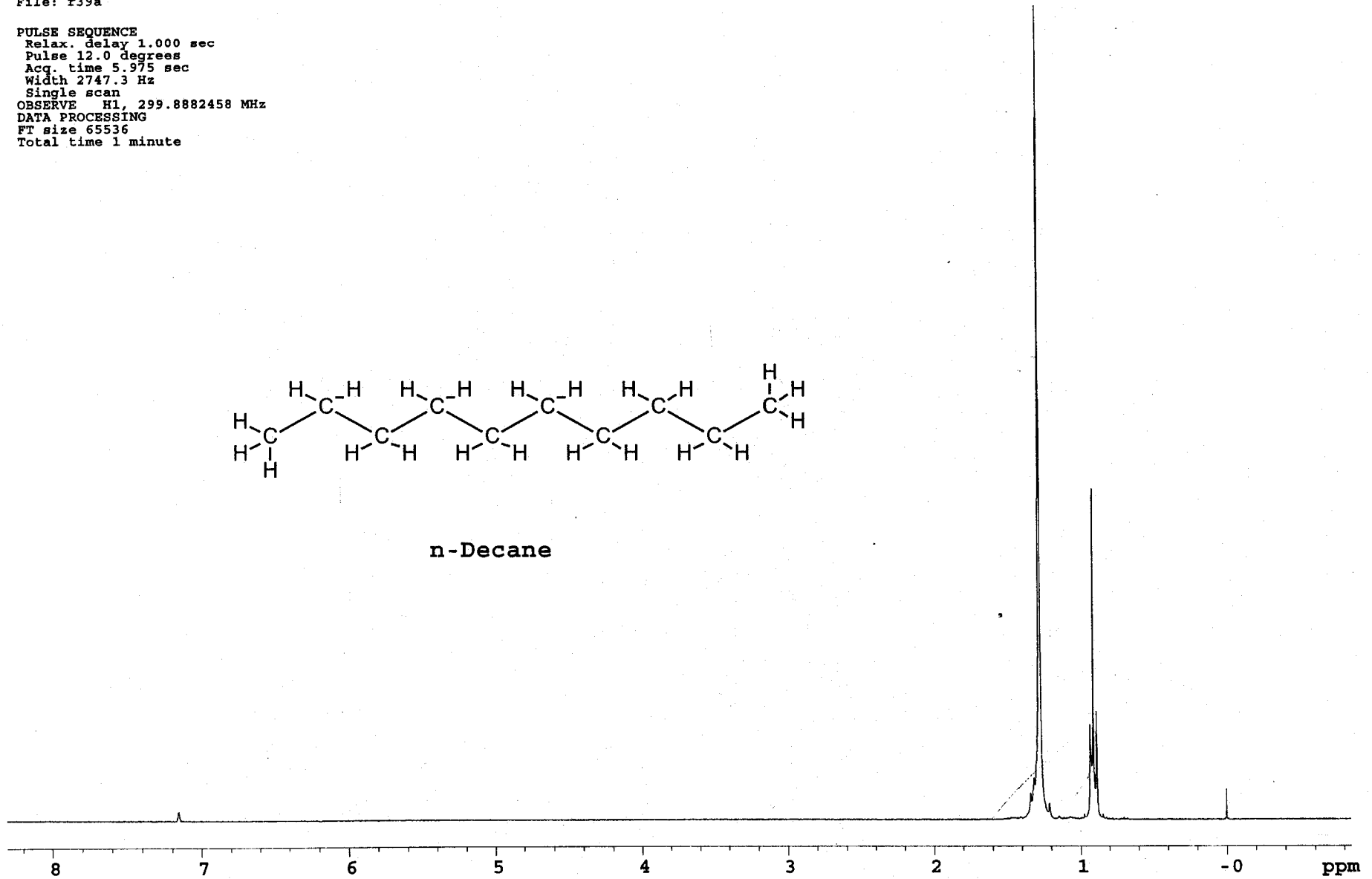


n-decane
r39
Solvent: Benzene
Ambient temperature
File: r39a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.975 sec
Width 2747.3 Hz
Single scan
OBSERVE H1, 299.8882458 MHz
DATA PROCESSING
FT size 65536
Total time 1 minute

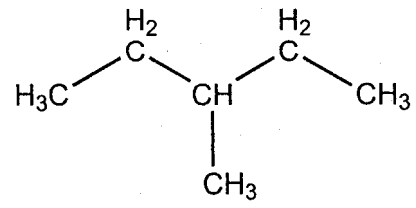


n-Decane

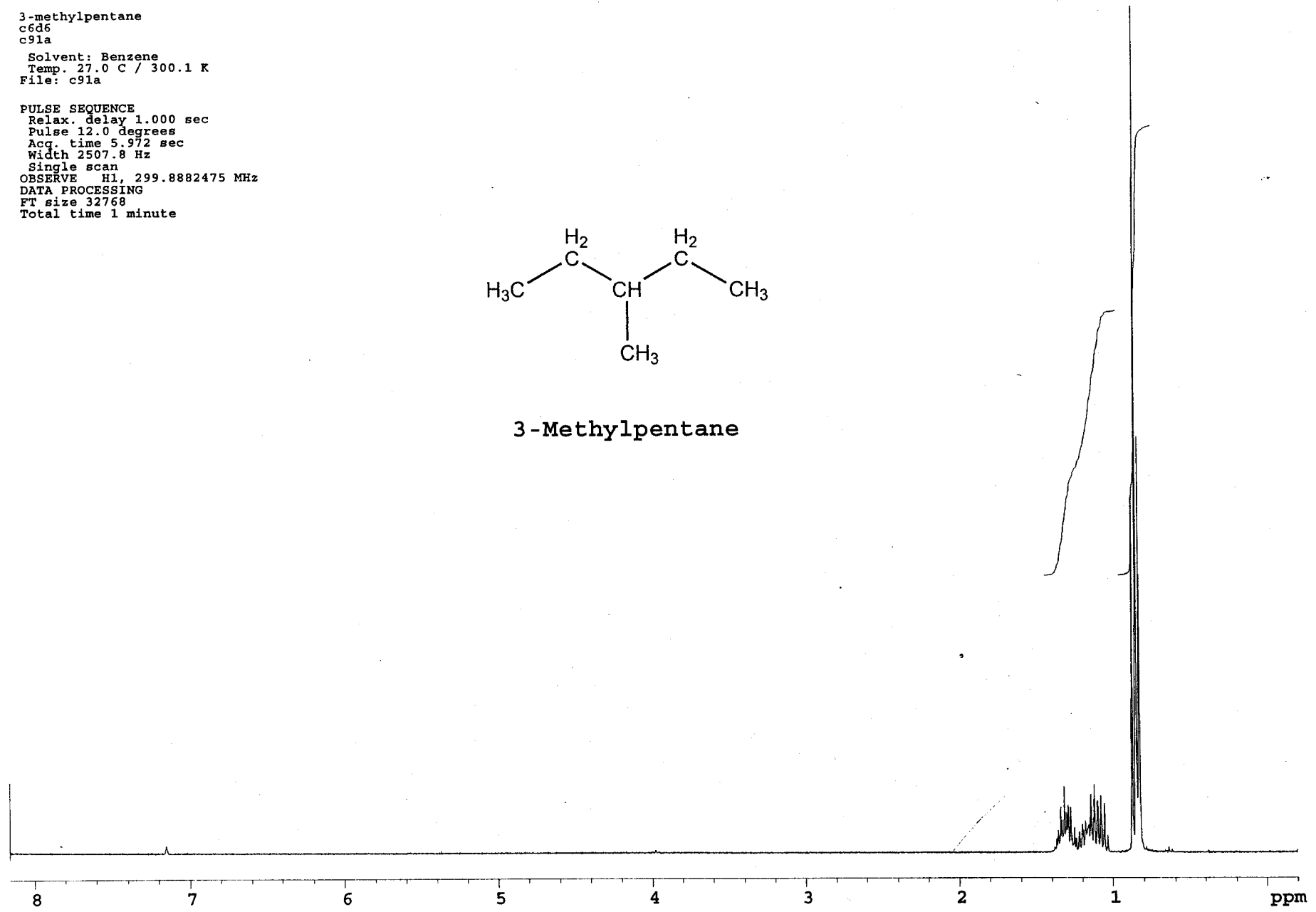


3-methylpentane
c6d6
c91a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: c91a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.972 sec
Width 2507.8 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



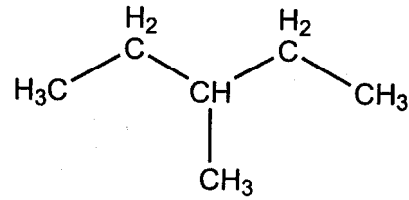
3-Methylpentane



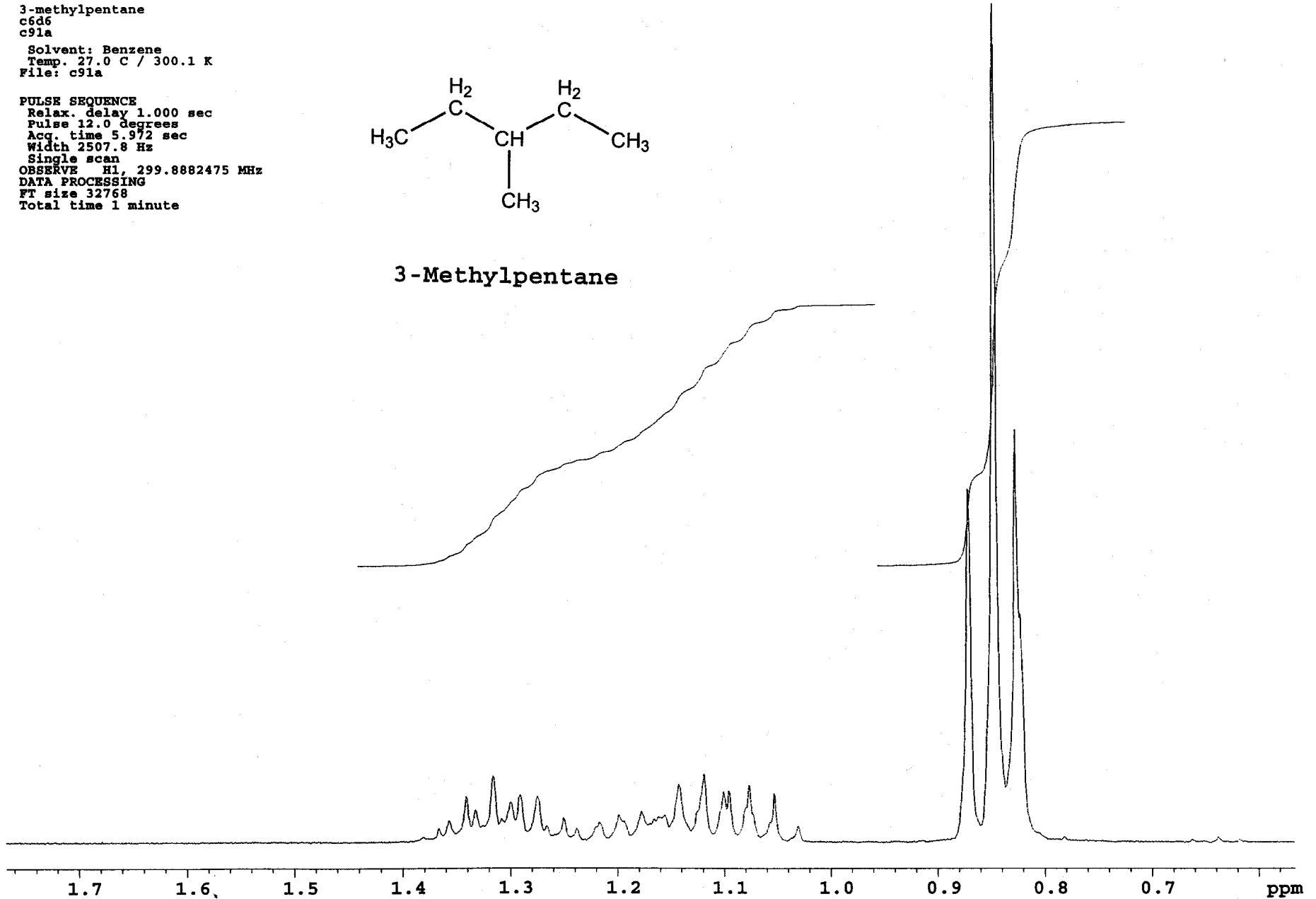
3-methylpentane
c6d6
c91a

Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: c91a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.972 sec
Width 2507.8 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



3-Methylpentane



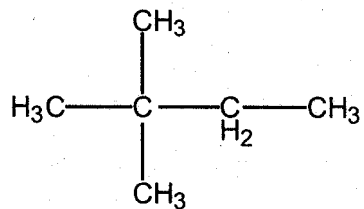
2,2-dimethylbutane

r77

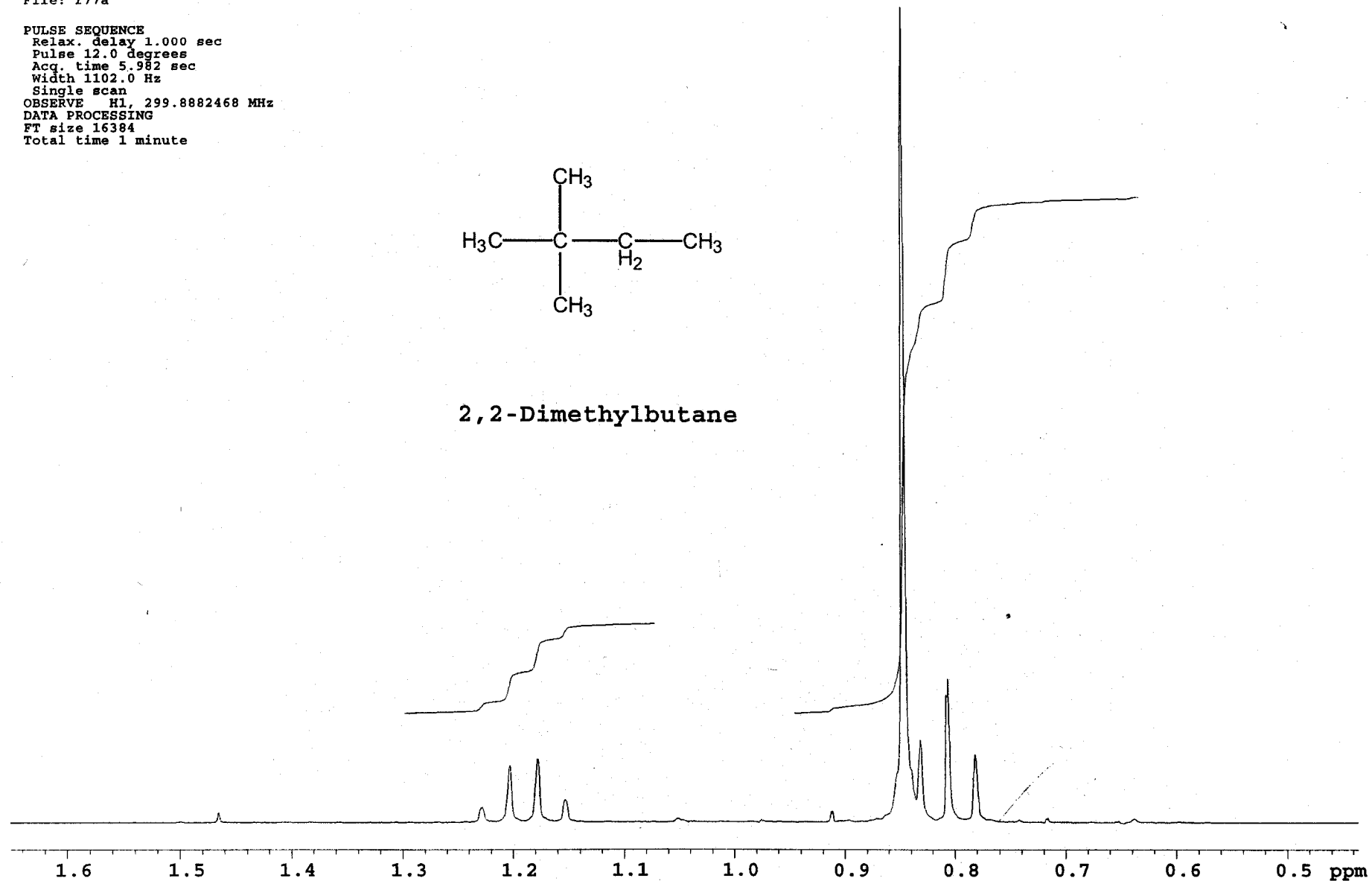
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: r77a

PULSE SEQUENCE

Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.982 sec
Width 1102.0 Hz
Single scan
OBSERVE H1, 299.8882468 MHz
DATA PROCESSING
FT size 16384
Total time 1 minute



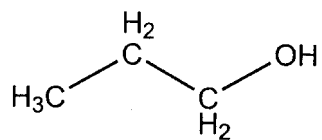
2,2-Dimethylbutane



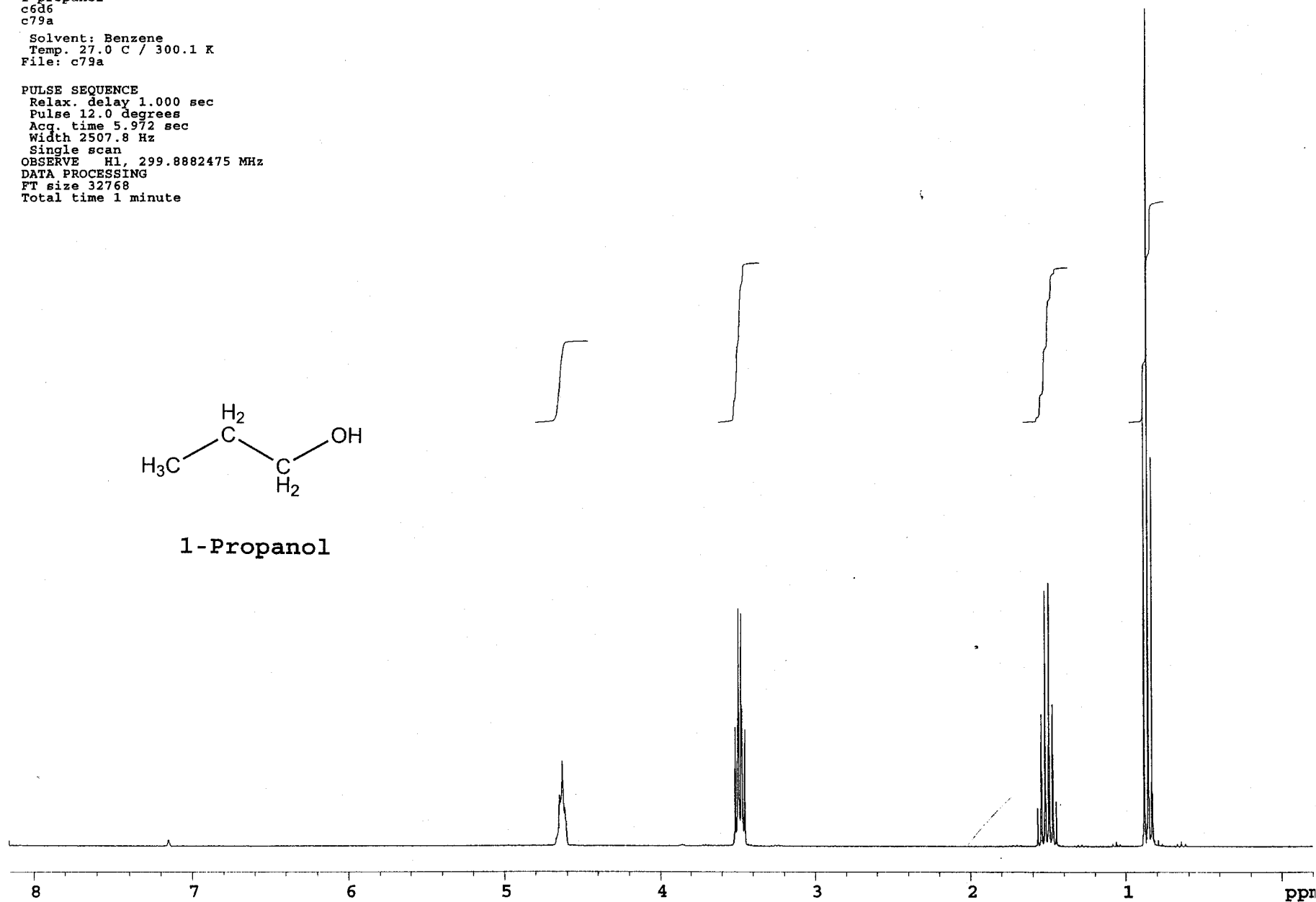
1-propanol
c6d6
c79a

Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: c79a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.972 sec
Width 2507.8 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

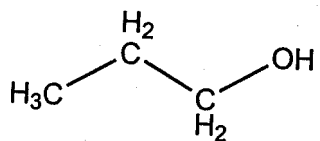


1-Propanol

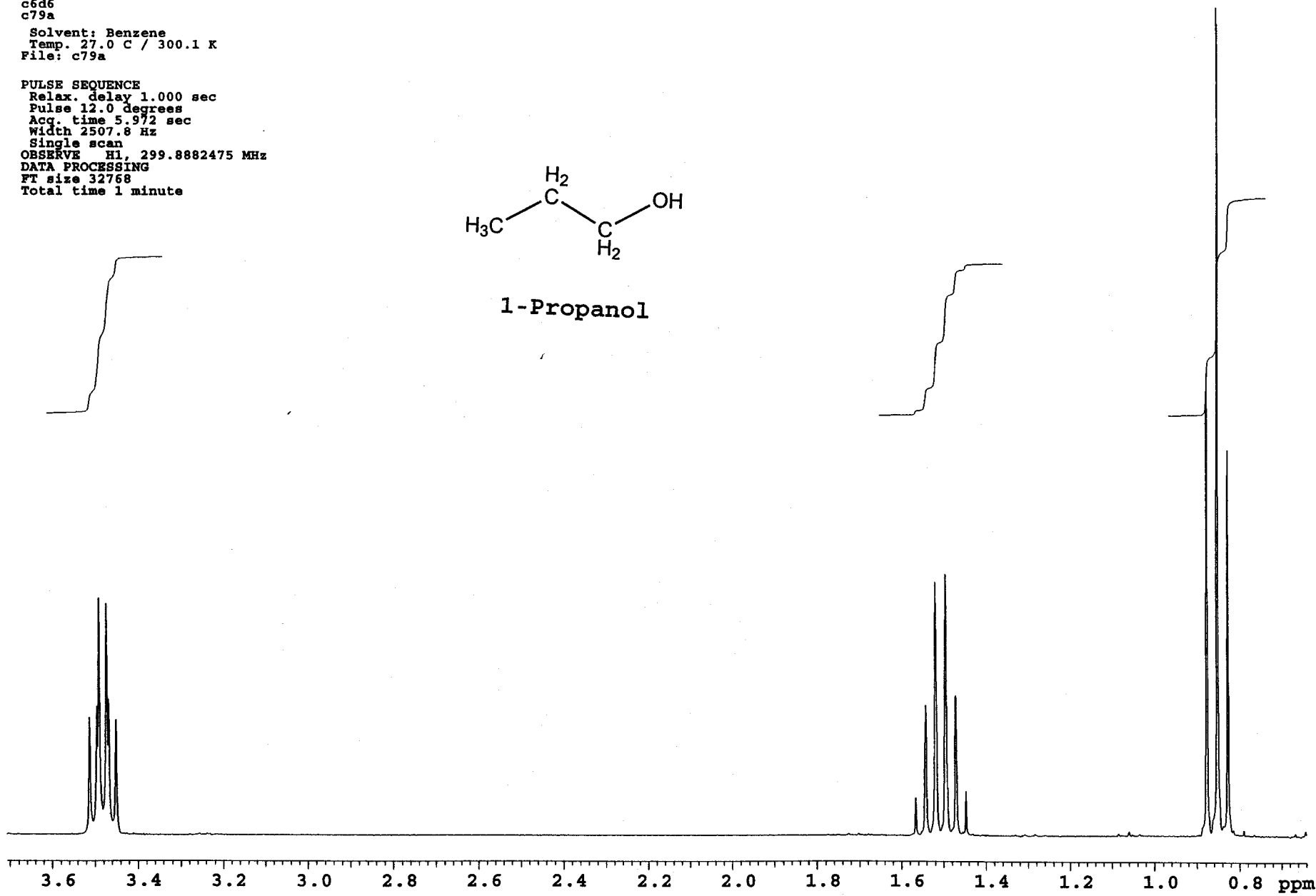


1-propanol
c6d6
c79a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: c79a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.972 sec
Width 2507.8 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

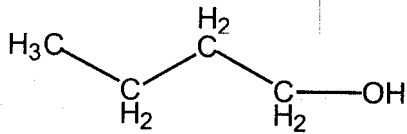


1-Propanol

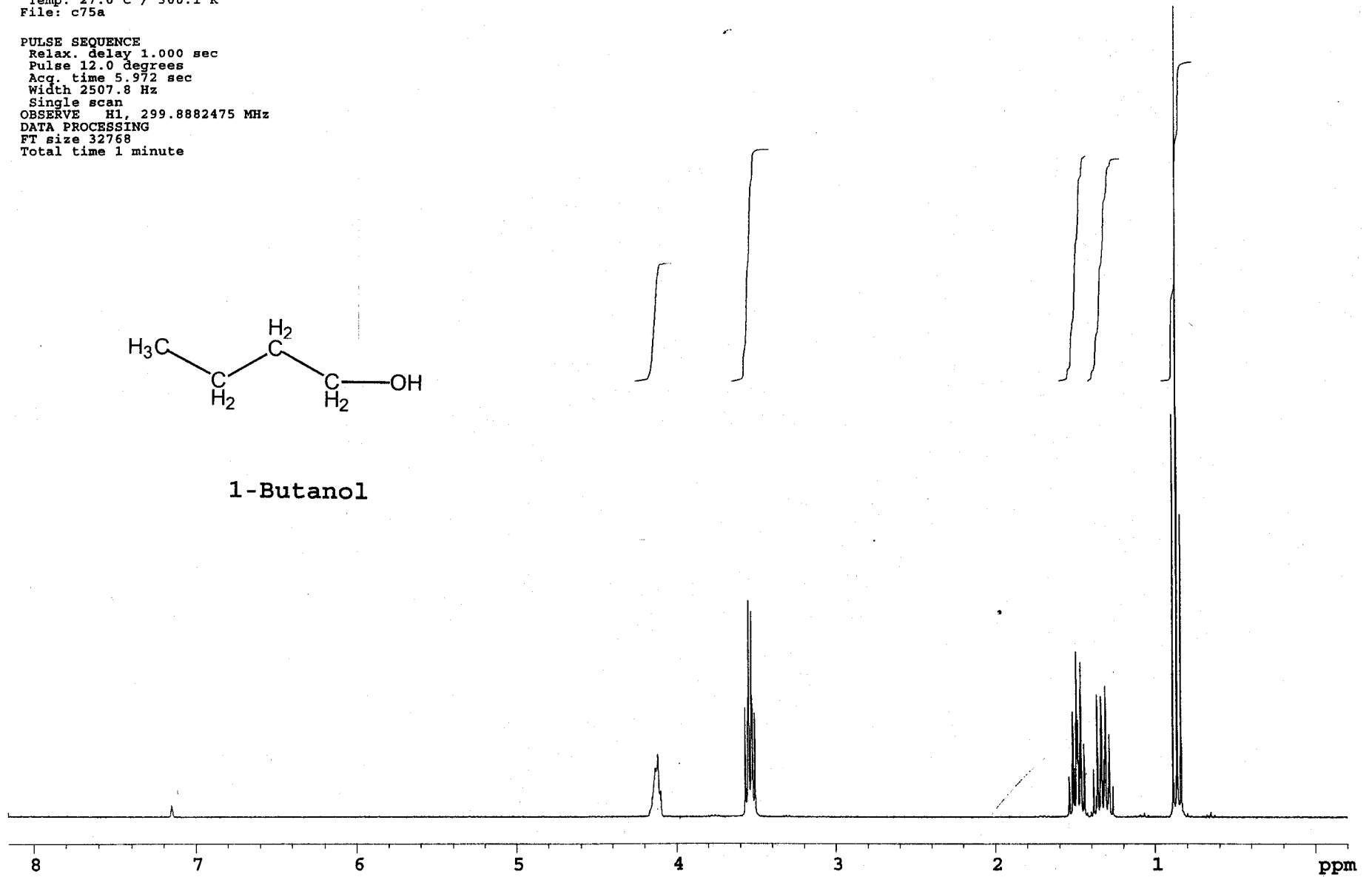


1-butanol
c6d6
c75a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: c75a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.972 sec
Width 2507.8 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

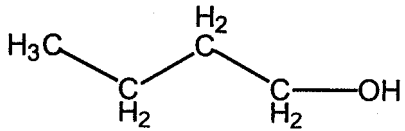


1-Butanol

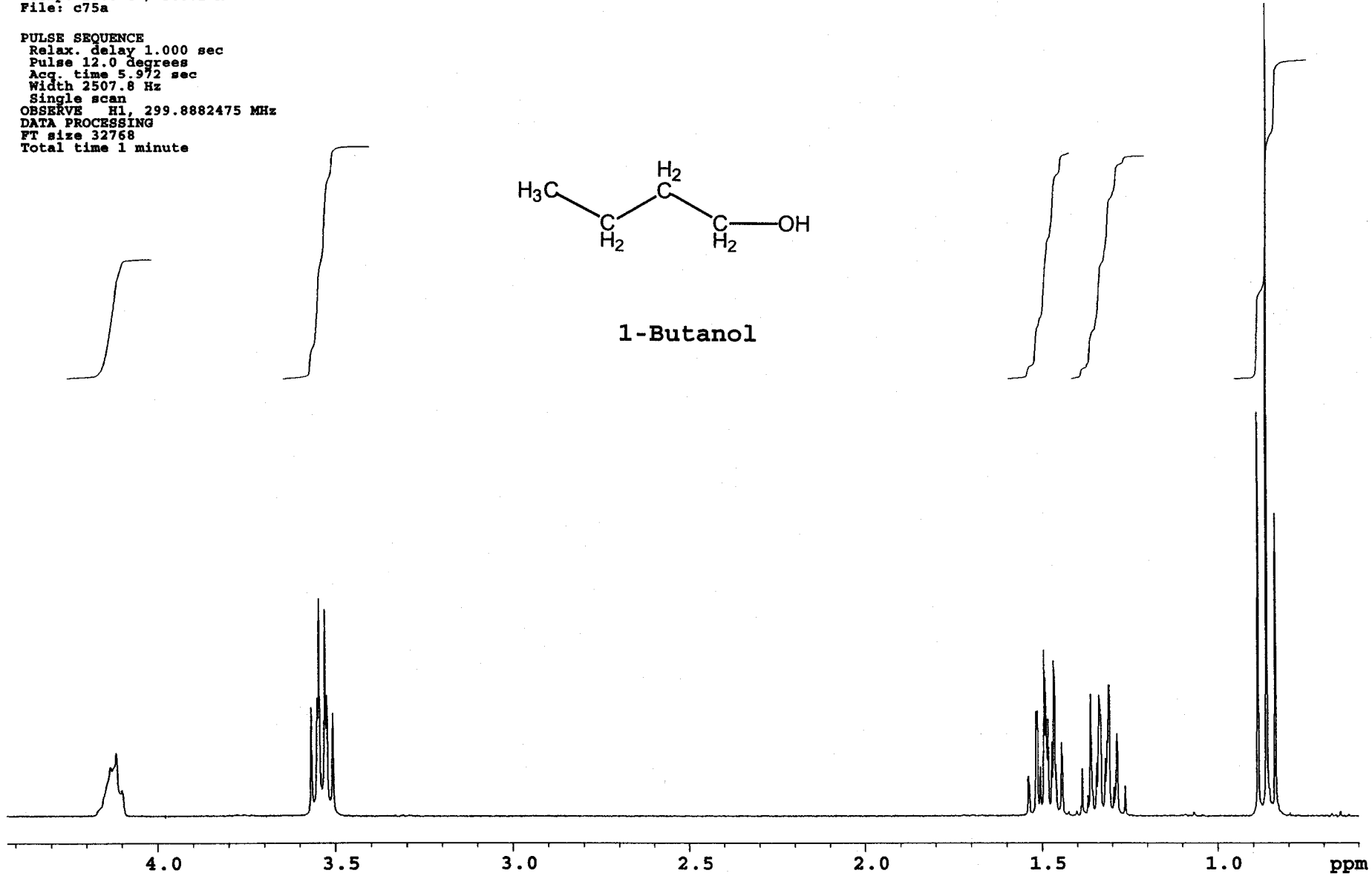


1-butanol
c6d6
c75a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: c75a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.972 sec
Width 2507.8 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

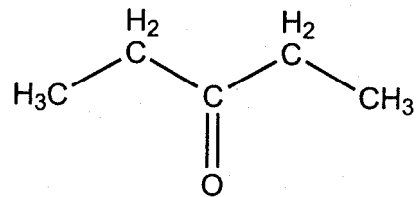


1-Butanol

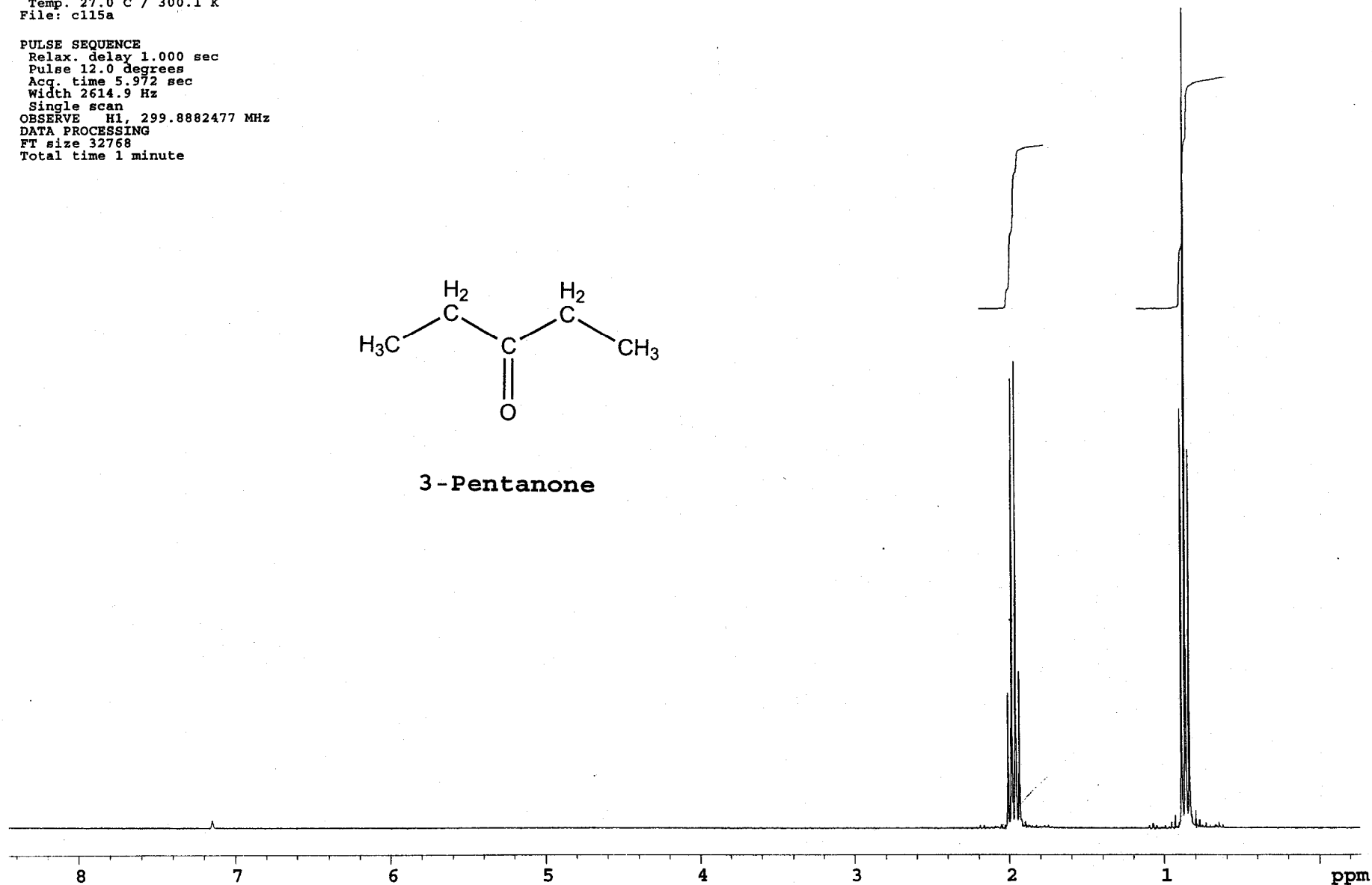


3-pentanone
c6d6
c115a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: c115a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.972 sec
Width 2614.9 Hz
Single scan
OBSERVE H1, 299.8882477 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



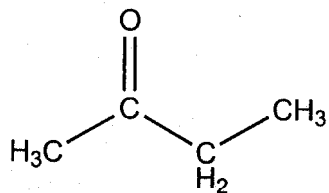
3-Pentanone



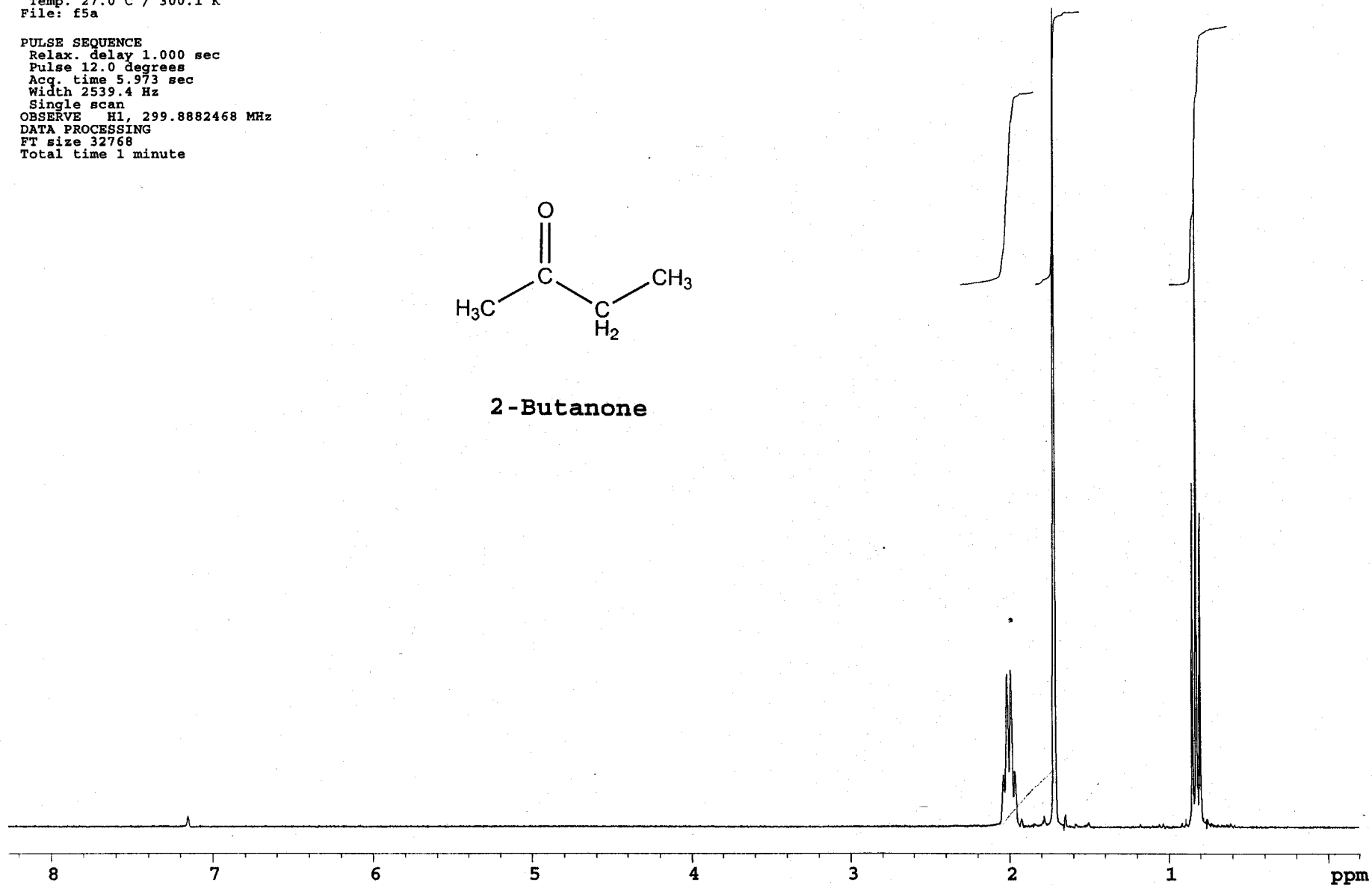
2-butanone
c6d6
f5a

Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f5a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.973 sec
Width 2539.4 Hz
Single scan
OBSERVE H1, 299.8882468 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

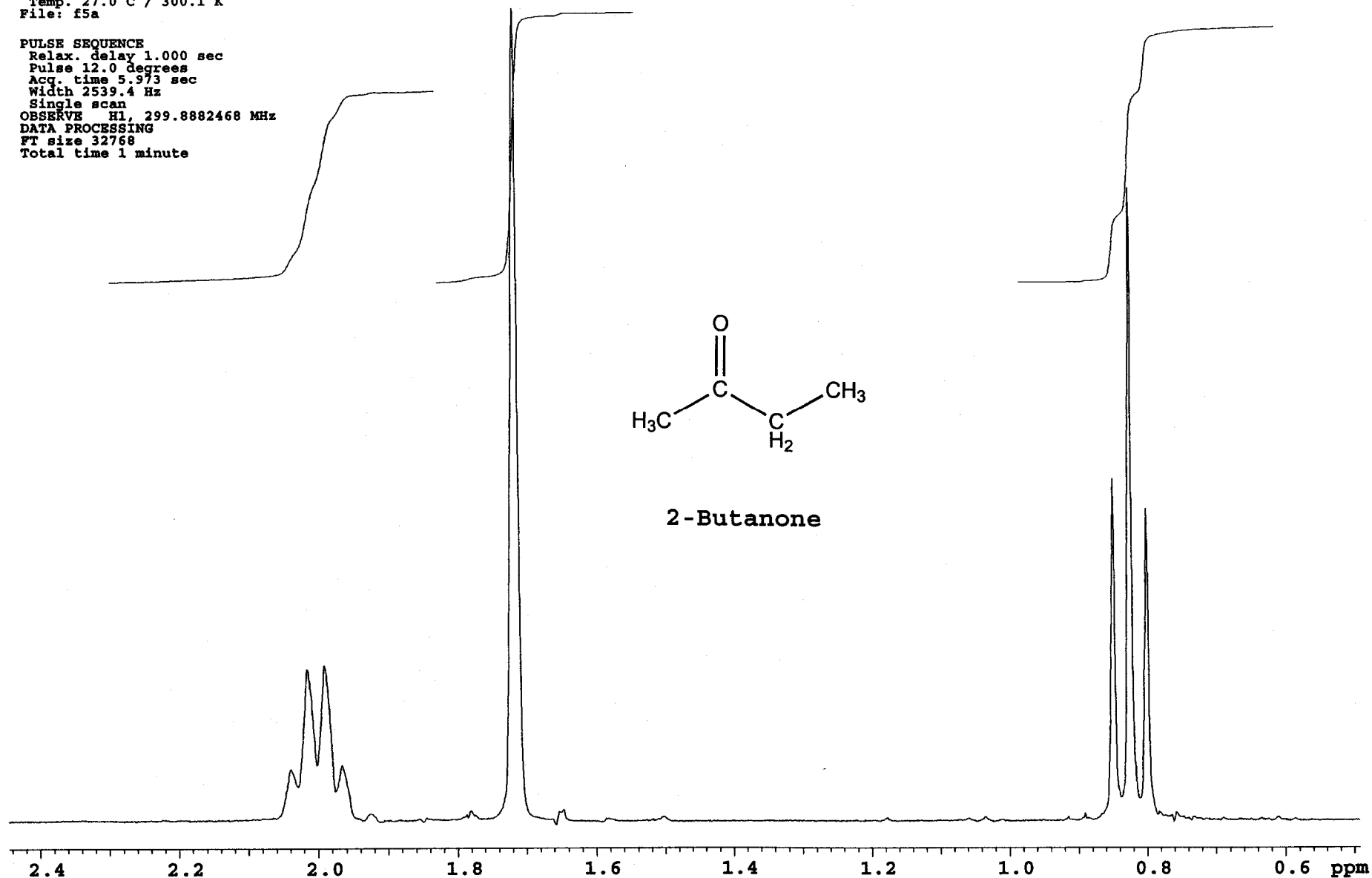


2-Butanone



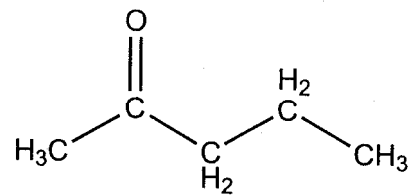
2-butanone
c6d6
f5a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f5a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.973 sec
Width 2539.4 Hz
Single scan
OBSERVE H1, 299.8882468 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

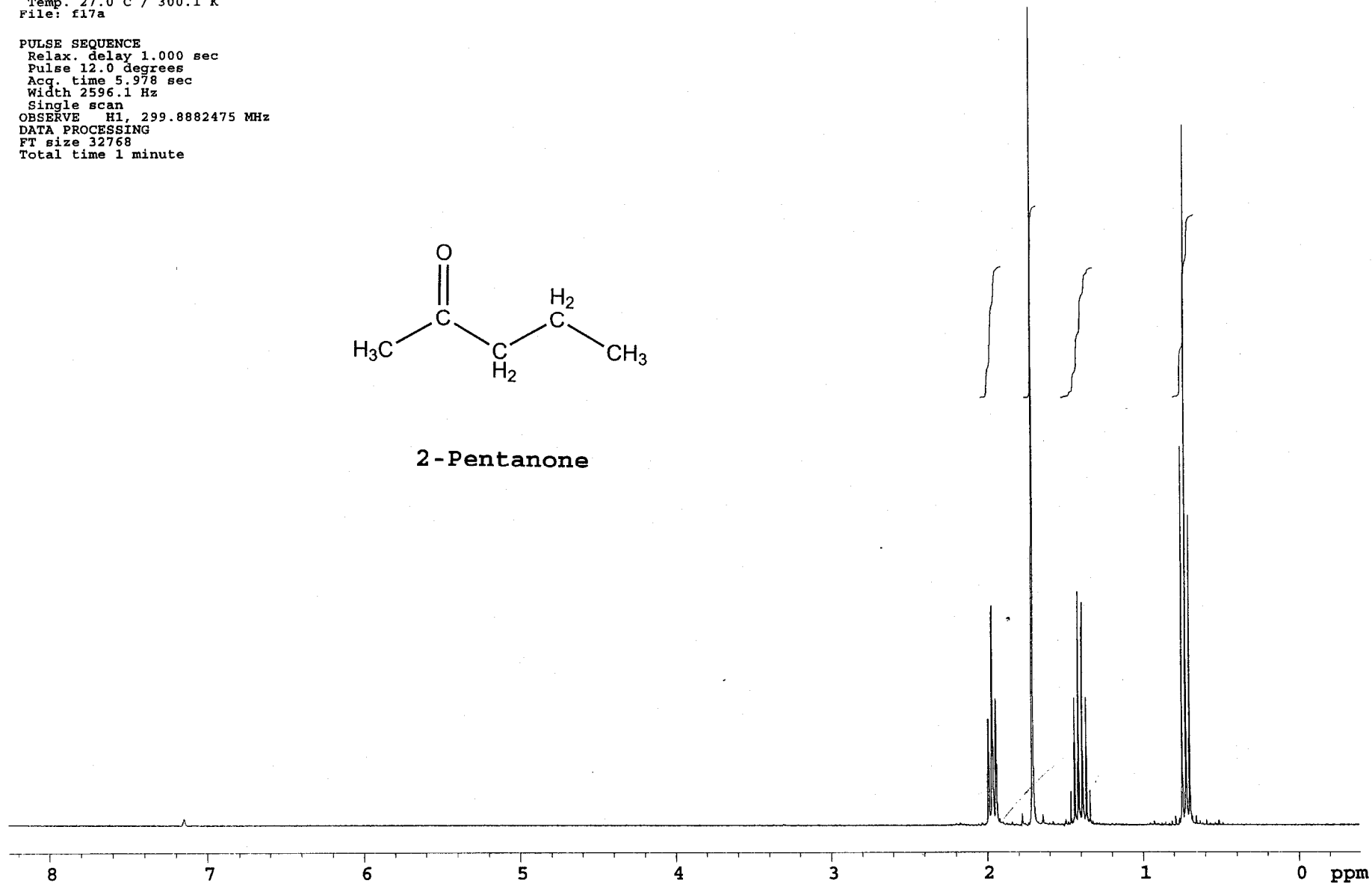


2-pentanone
c6d6
f17a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f17a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.978 sec
Width 2596.1 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



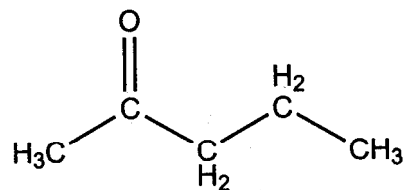
2-Pentanone



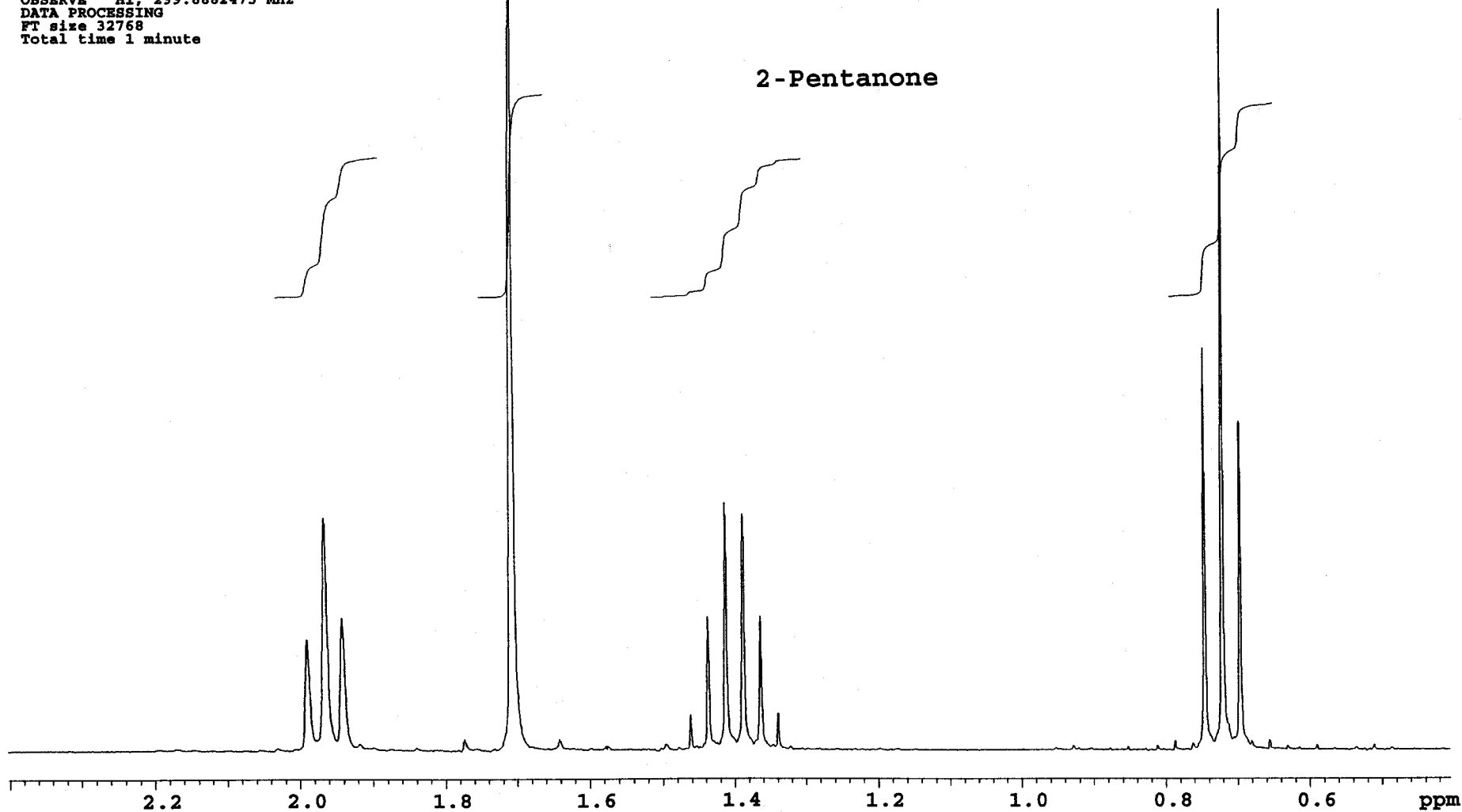
2-pentanone
c6d6
f17a

Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f17a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.978 sec
Width 2596.1 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

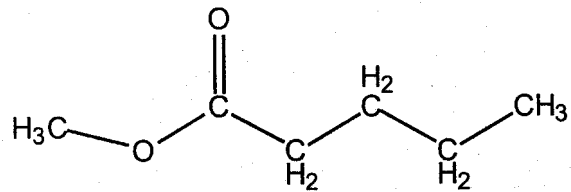


2-Pentanone

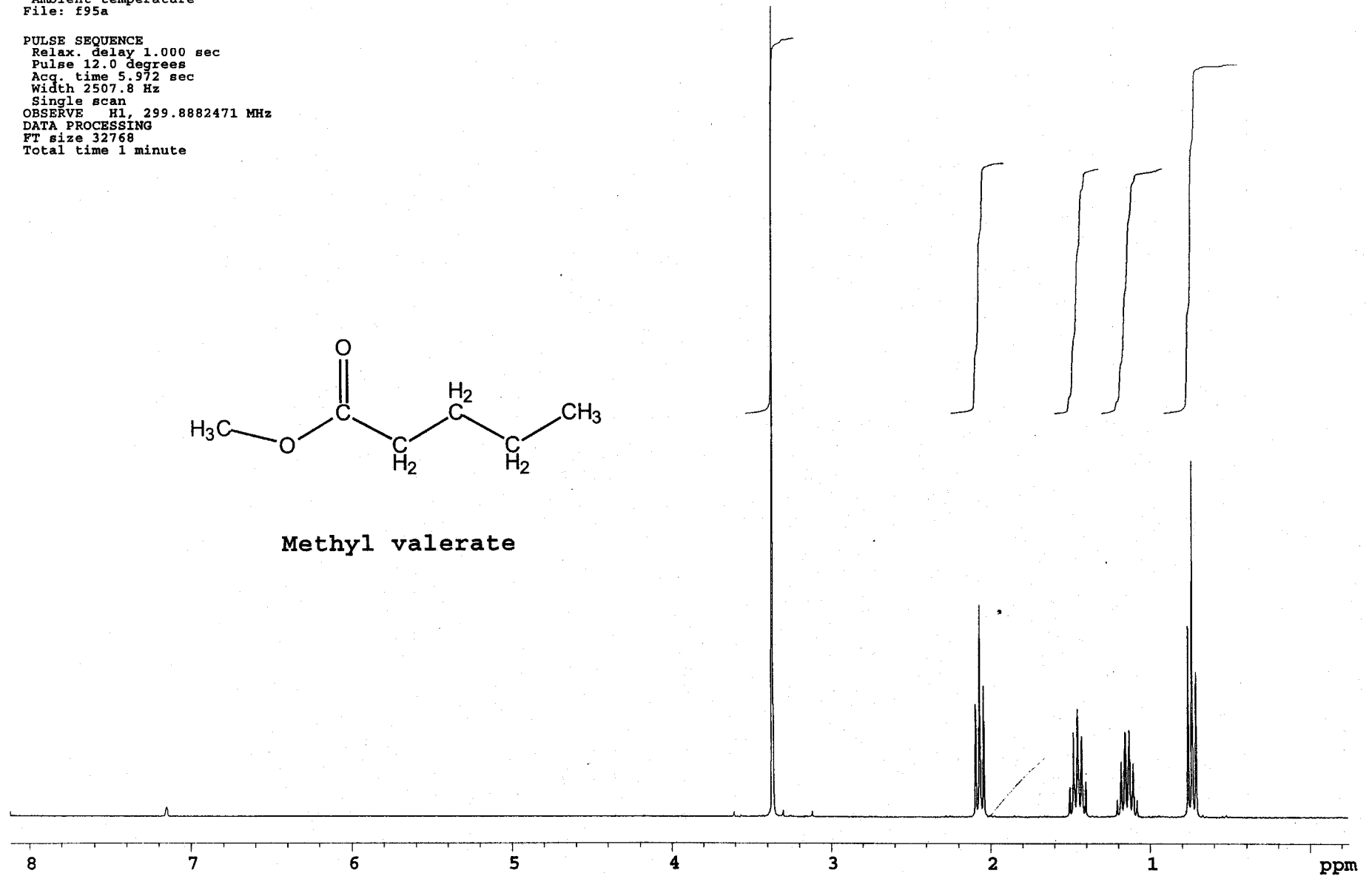


methyl valerate
c6d6
f95a
Solvent: Benzene
Ambient temperature
File: f95a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.972 sec
Width 2507.8 Hz
Single scan
OBSERVE H1, 299.8882471 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

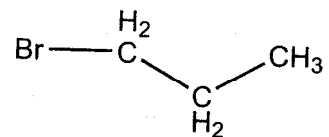


Methyl valerate

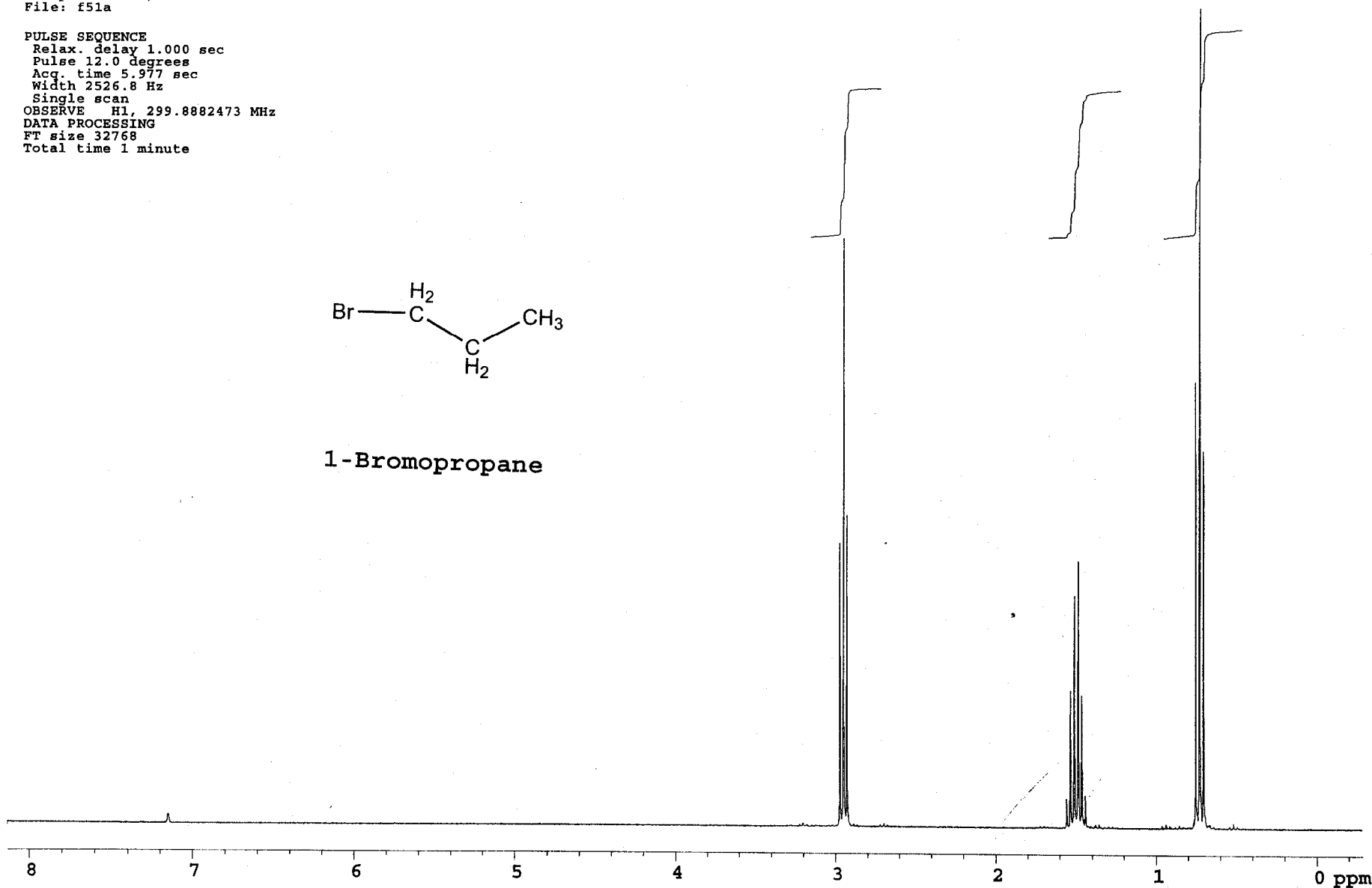


1-bromopropane
c6d6
f51a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f51a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.977 sec
Width 2526.8 Hz
Single scan
OBSERVE H1, 299.8882473 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

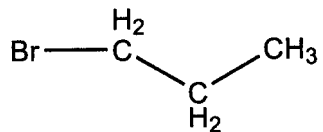


1-Bromopropane

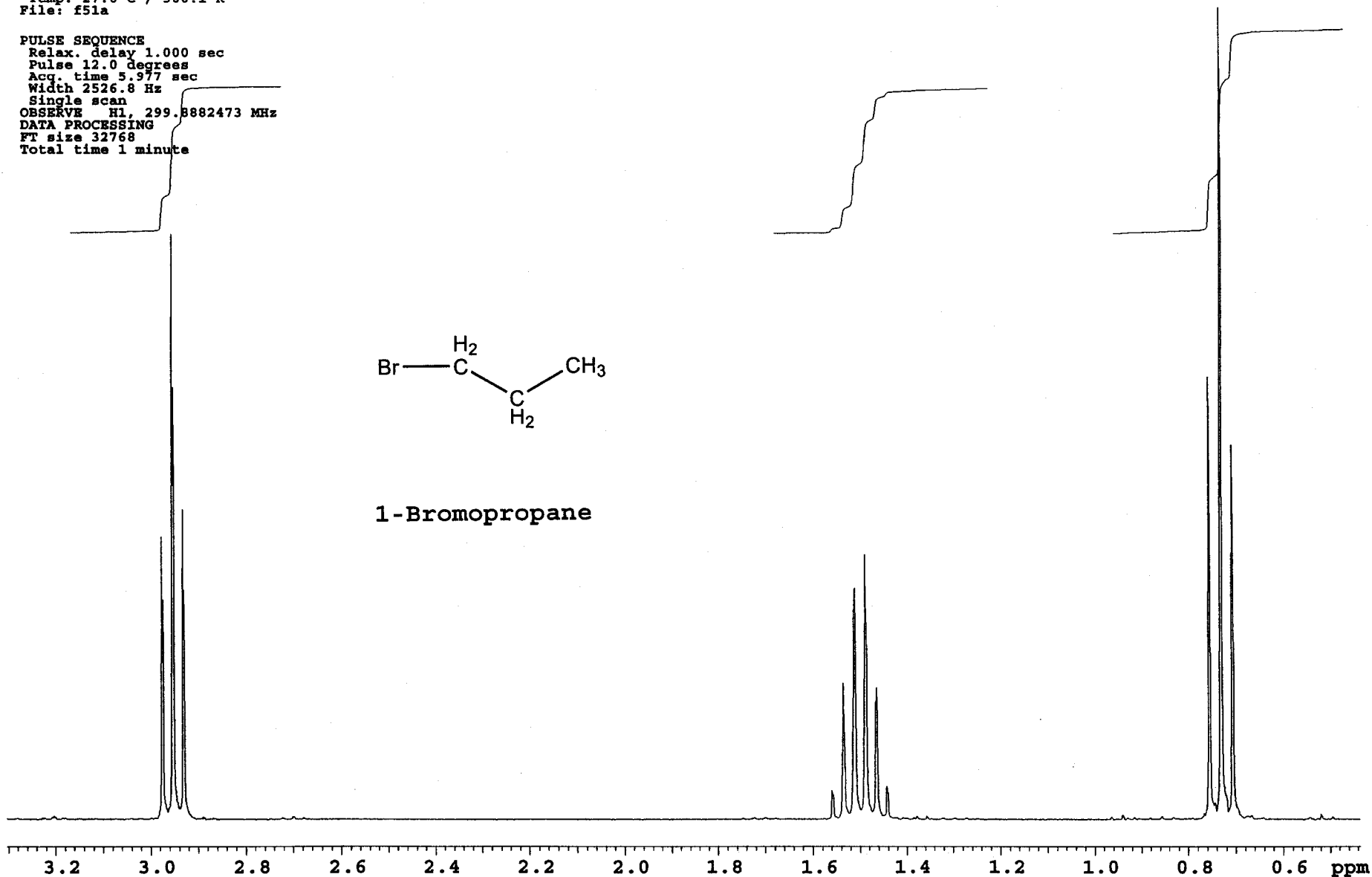


1-bromopropane
c6d6
f51a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f51a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.977 sec
Width 2526.8 Hz
Single scan
OBSERVE H1, 299.8882473 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



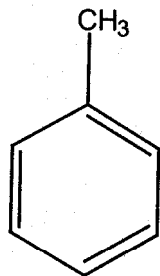
1-Bromopropane



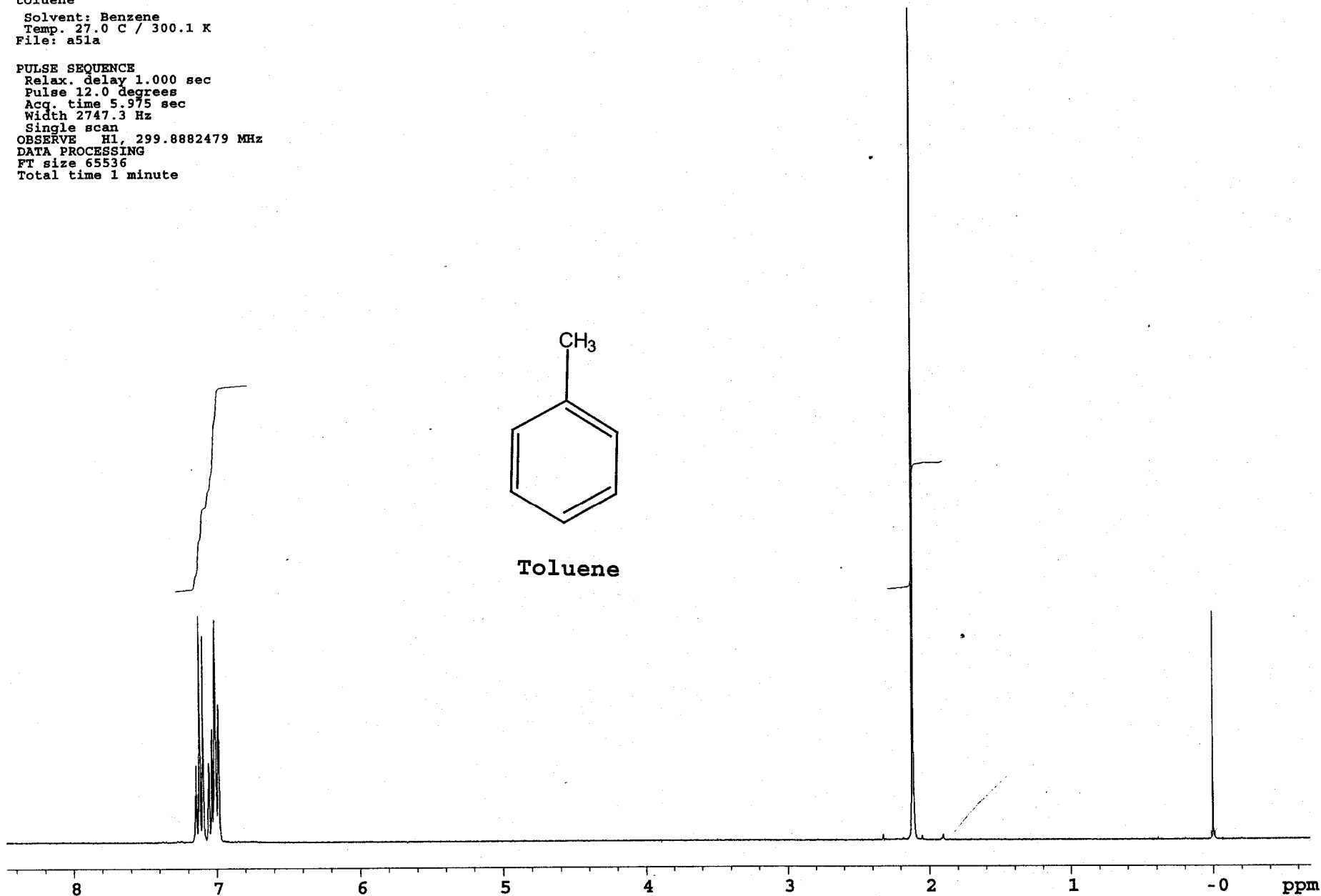
toluene

Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: a51a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.975 sec
Width 2747.3 Hz
Single scan
OBSERVE H1, 299.8882479 MHz
DATA PROCESSING
FT size 65536
Total time 1 minute

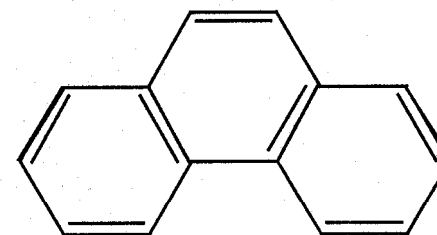
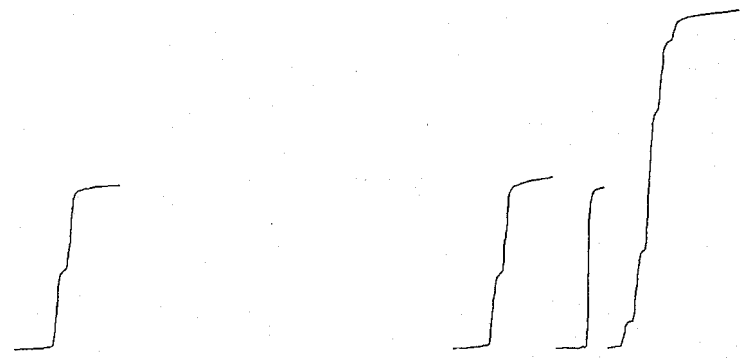


Toluene

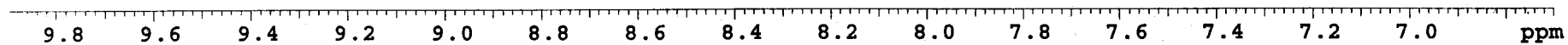


phenanthrene
CDCl3
PROTON
Solvent: CDCl3
Ambient temperature
File: u47a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 42.0 degrees
Acq. time 3.737 sec
Width 959.0 Hz
Single scan
OBSERVE H1, 299.8882300 MHz
DATA PROCESSING
FT size 8192
Total time 1 minute

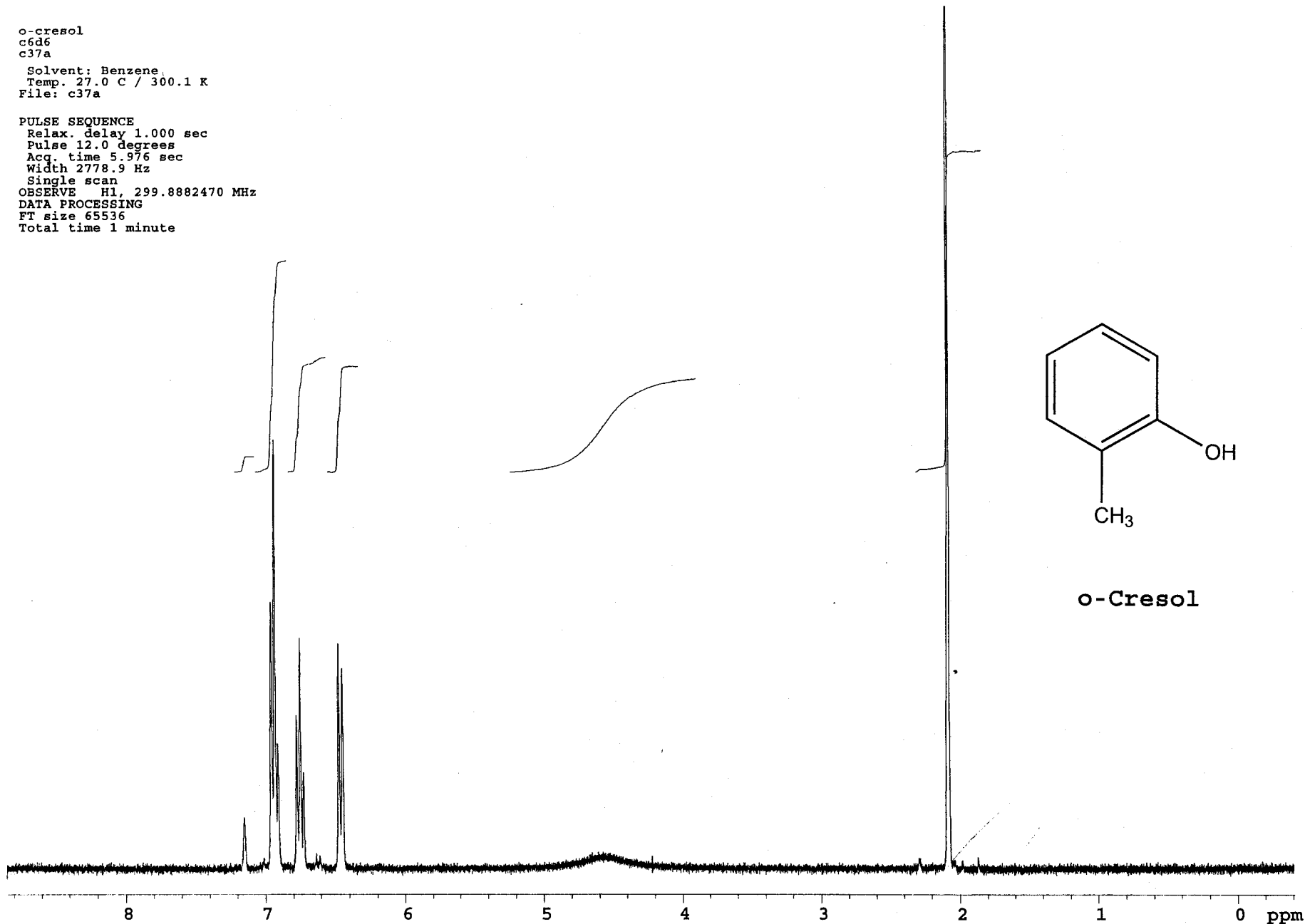


Phenanthrene



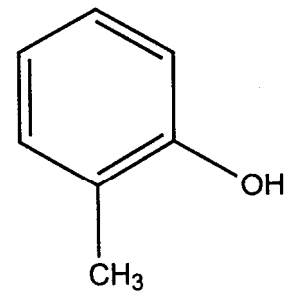
o-cresol
c6d6
c37a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: c37a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.976 sec
Width 2778.9 Hz
Single scan
OBSERVE H1, 299.8882470 MHz
DATA PROCESSING
FT size 65536
Total time 1 minute

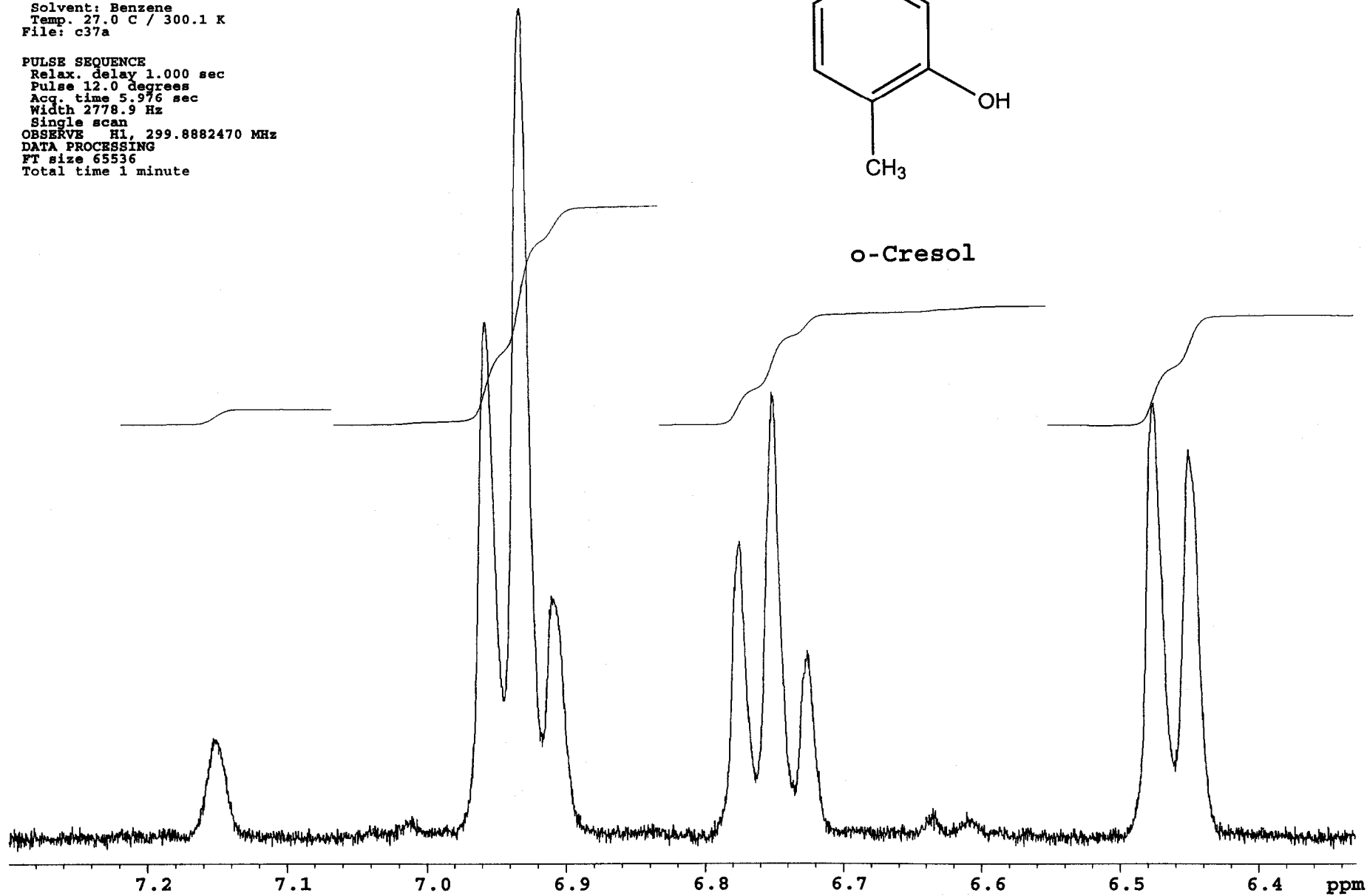


o-cresol
c6d6
c37a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: c37a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.976 sec
Width 2778.9 Hz
Single scan
OBSERVE H1, 299.8882470 MHz
DATA PROCESSING
FT size 65536
Total time 1 minute



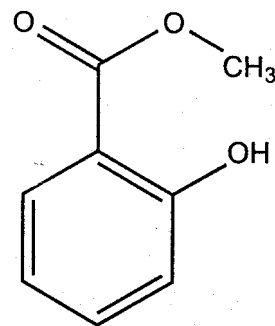
o-Cresol



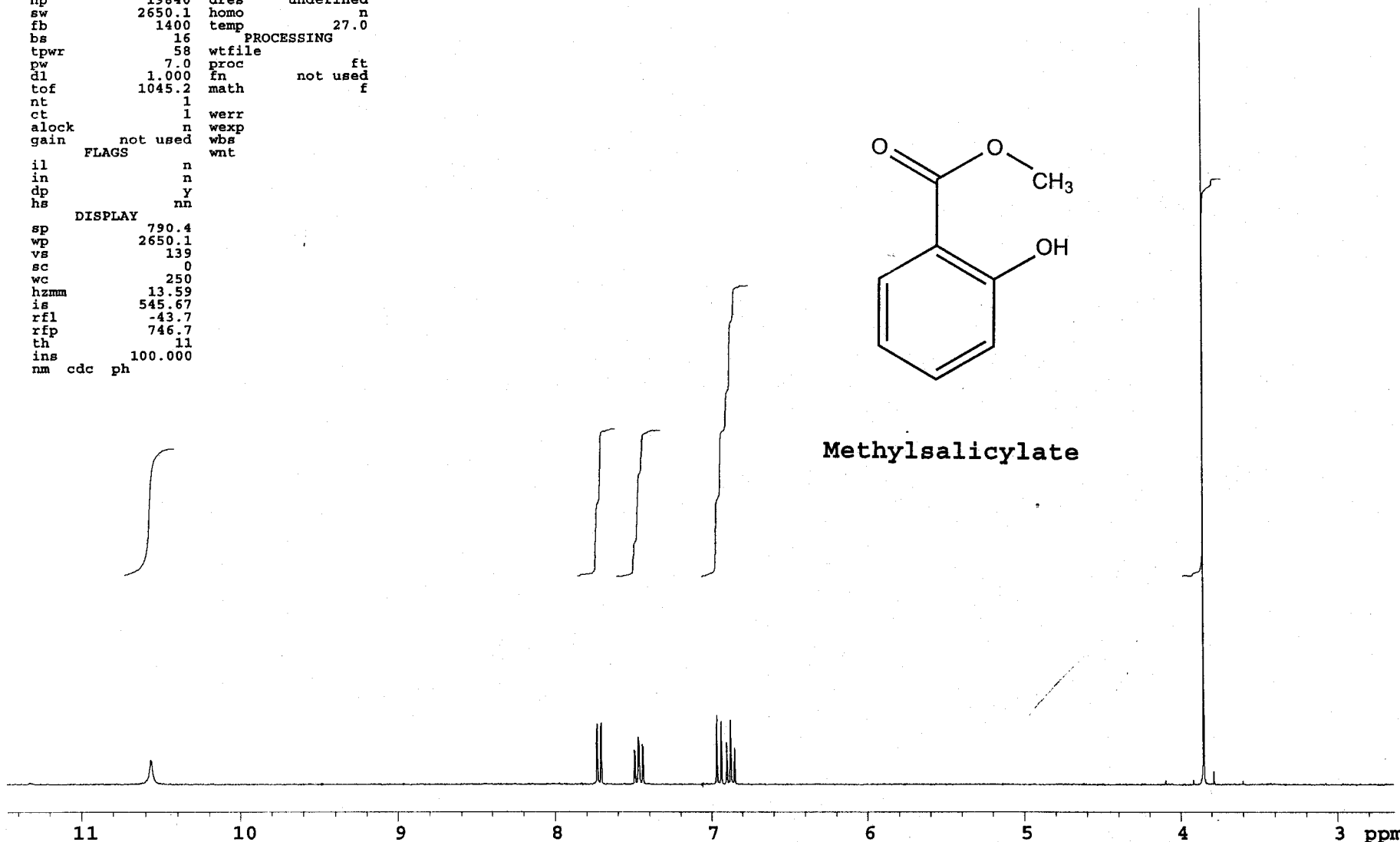
methyl salicylate

exp2 stdlh

```
SAMPLE      DEC. & VT
date Nov 27 96 dfrq      299.891
solvent DMSO dn          H1
file /space/bens/S- dpwr      30
M/s41an dof          0
ACQUISITION dm          nnn
sfrq 299.892 dmm          c
tn H1 dmf          200
at 3.743 dseq        undefined
np 19840 dres        undefined
sw 2650.1 homo        n
fb 1400 temp         27.0
bs 16 PROCESSING
tpwr 58 wtfile
pw 7.0 proc
dl 1.000 fn          not used
tof 1045.2 math      f
nt 1
ct 1 werr
alock n wexp
gain not used wbs
FLAGS wnt
il n
in n
dp y
hs nn
DISPLAY
sp 790.4
wp 2650.1
vs 139
sc 0
wc 250
hzmm 13.59
is 545.67
rfl -43.7
rfp 746.7
th 11
ins 100.000
nm cdc ph
```



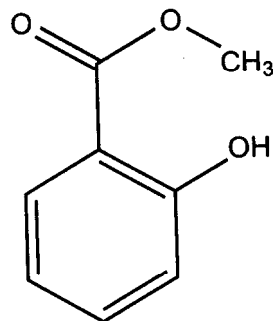
Methylsalicylate



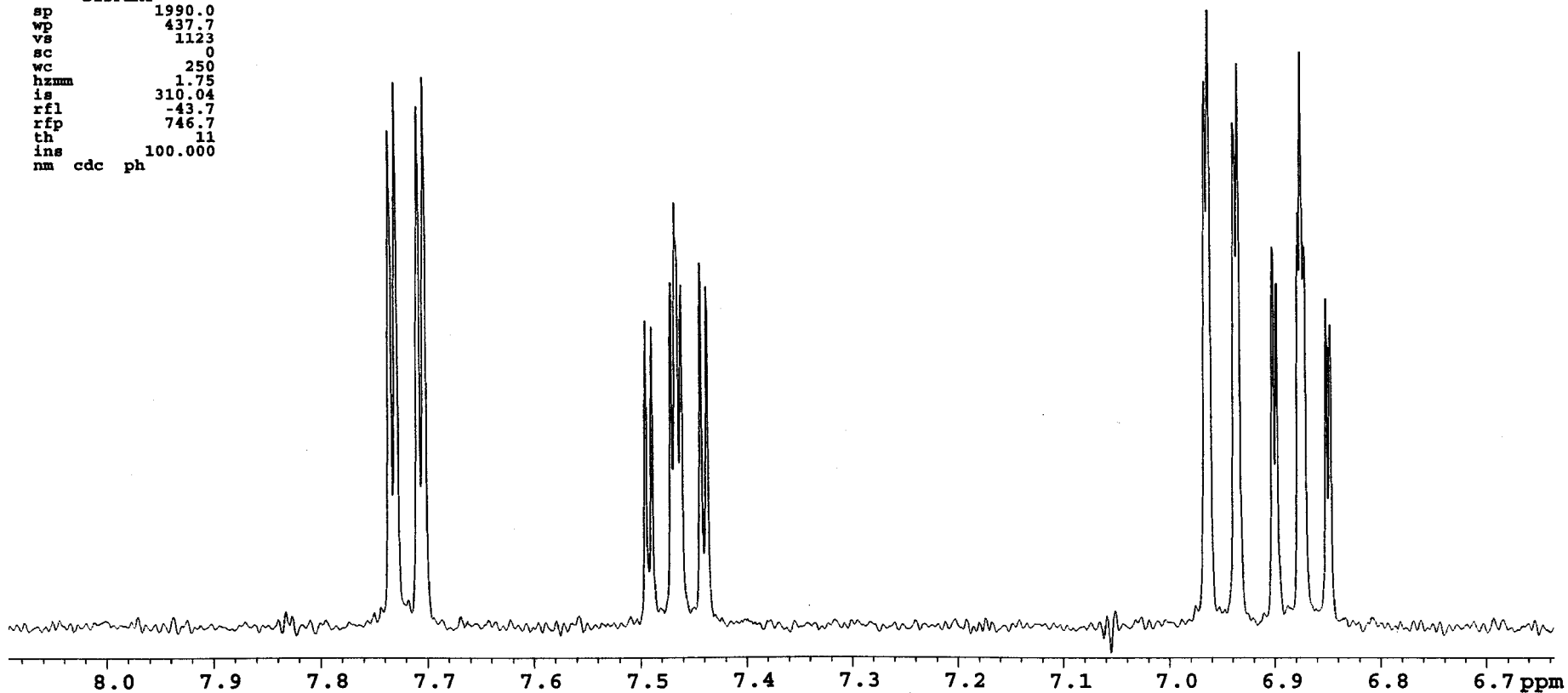
methyl salicylate

exp3 stdlh

SAMPLE		DEC. & VT	
date	Nov 27 96	dfrq	299.891
solvent	DMSO	dn	H1
file	/space/bens/S-	dpwr	30
	M/s41an	dof	0
ACQUISITION		dm	
sfrq	299.892	dmm	nnn
tn	H1	dmf	c
at	3.743	dseq	200
np	19840	dres	undefined
sw	2650.1	homo	undefined
fb	1400	temp	n
bs	16		27.0
tpwr	58	PROCESSING	
pw	7.0	wtfile	ft
dl	1.000	proc	not used
tof	1045.2	in	f
nt	1	math	
ct	1	werr	
alock	not used	n	wexp
gain	not used	wbs	wnt
FLAGS			
il	n		
in	n		
dp	Y		
hs	nn		
DISPLAY			
sp	1990.0		
wp	437.7		
vs	1123		
sc	0		
wc	250		
hzmm	1.75		
is	310.04		
rfl	-43.7		
rfp	746.7		
th	11		
ins	100.000		
nm	cdc ph		

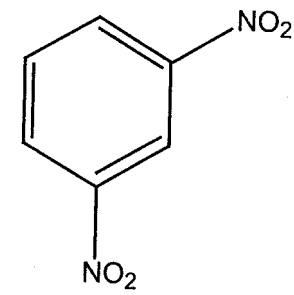


Methylsalicylate

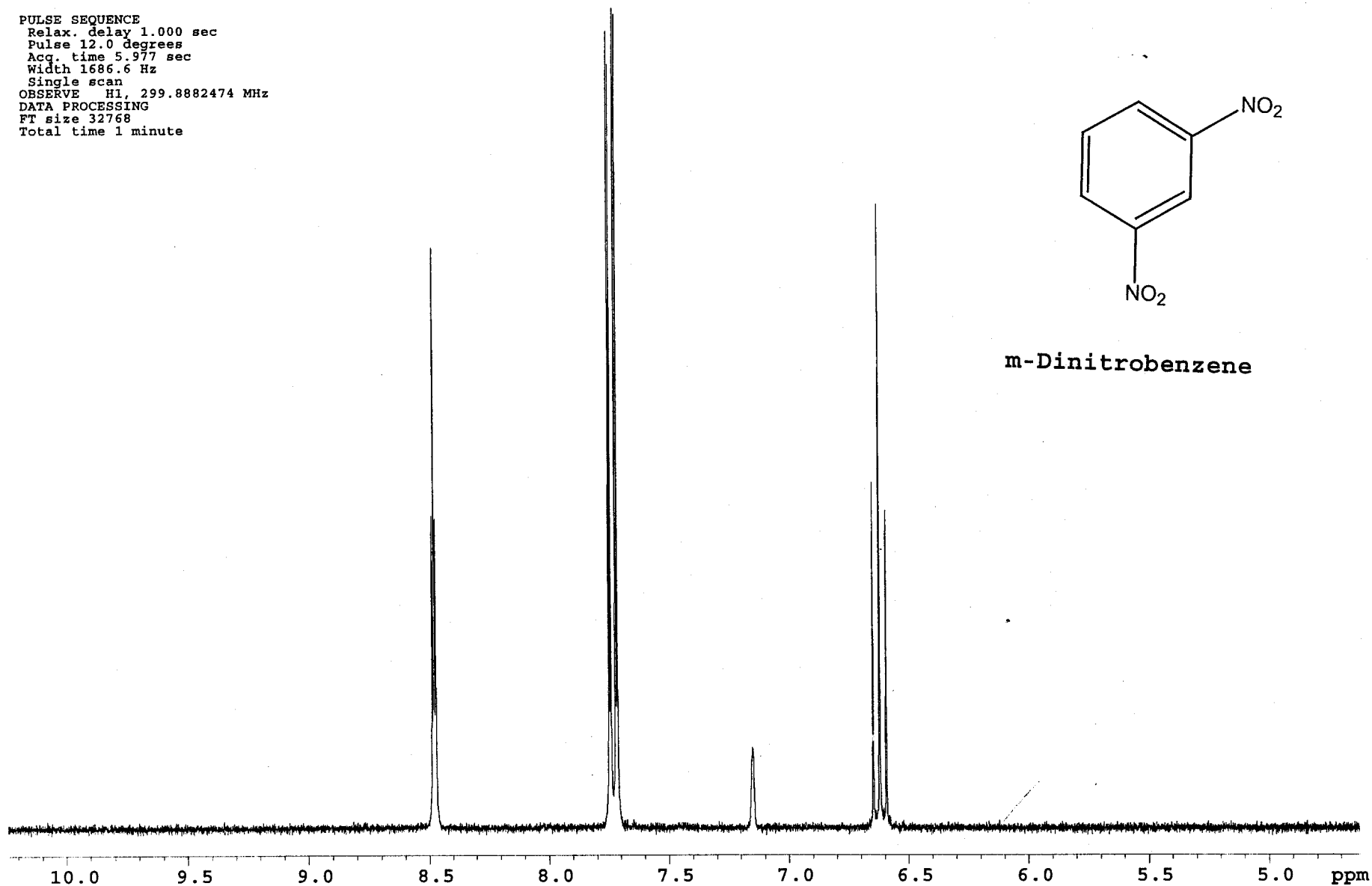


m-dinitrobenzene
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: n115a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.977 sec
Width 1686.6 Hz
Single scan
OBSERVE H1, 299.8882474 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

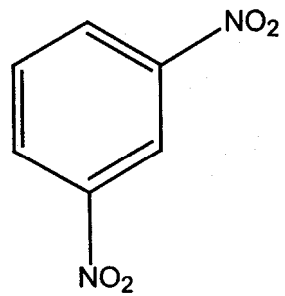


m-Dinitrobenzene

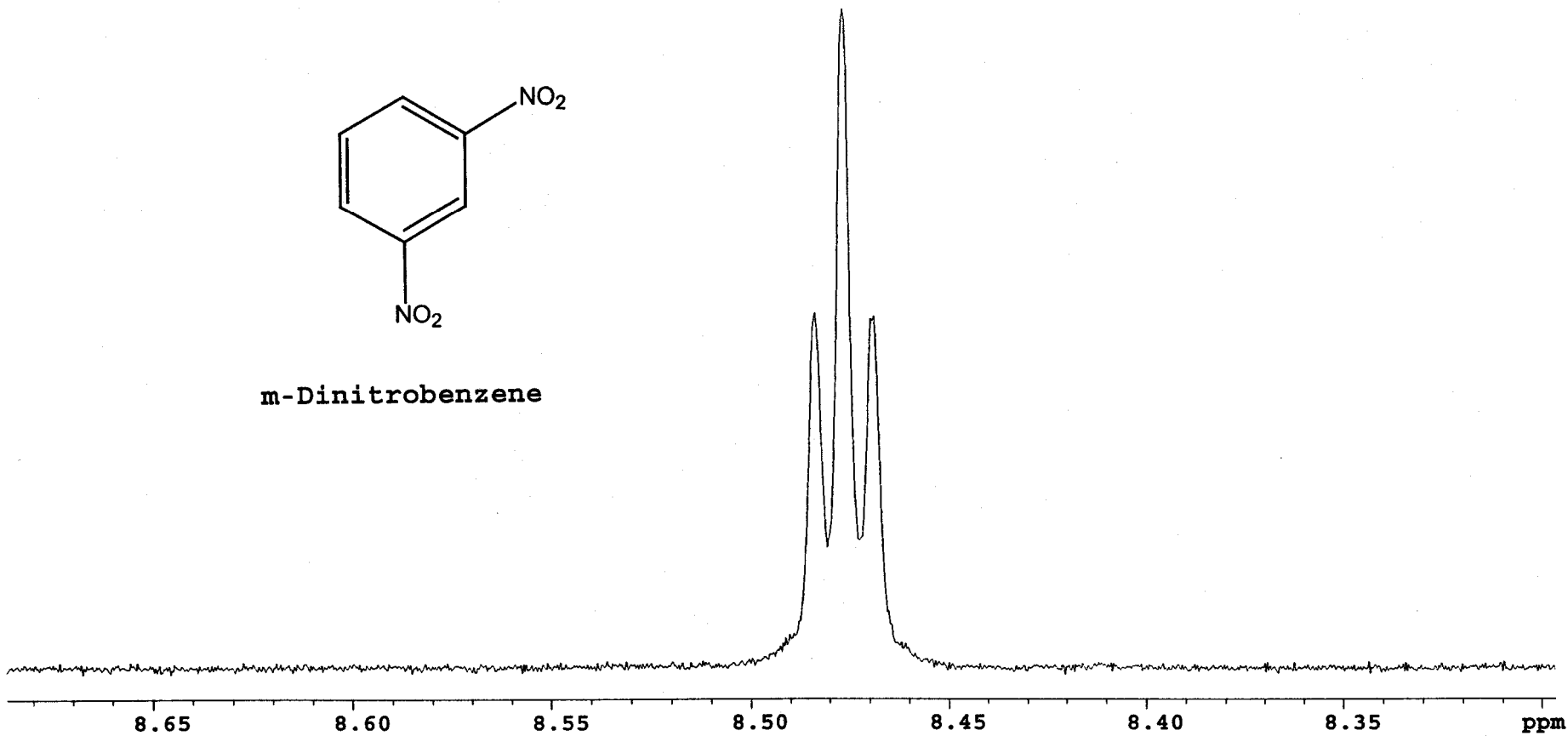


m-dinitrobenzene
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: n115a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.977 sec
Width 1686.6 Hz
Single scan
OBSERVE H1, 299.8882474 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



m-Dinitrobenzene

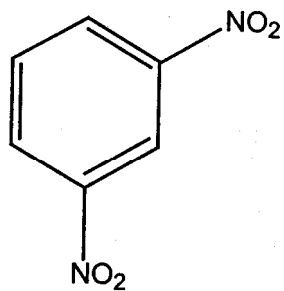


m-dinitrobenzene

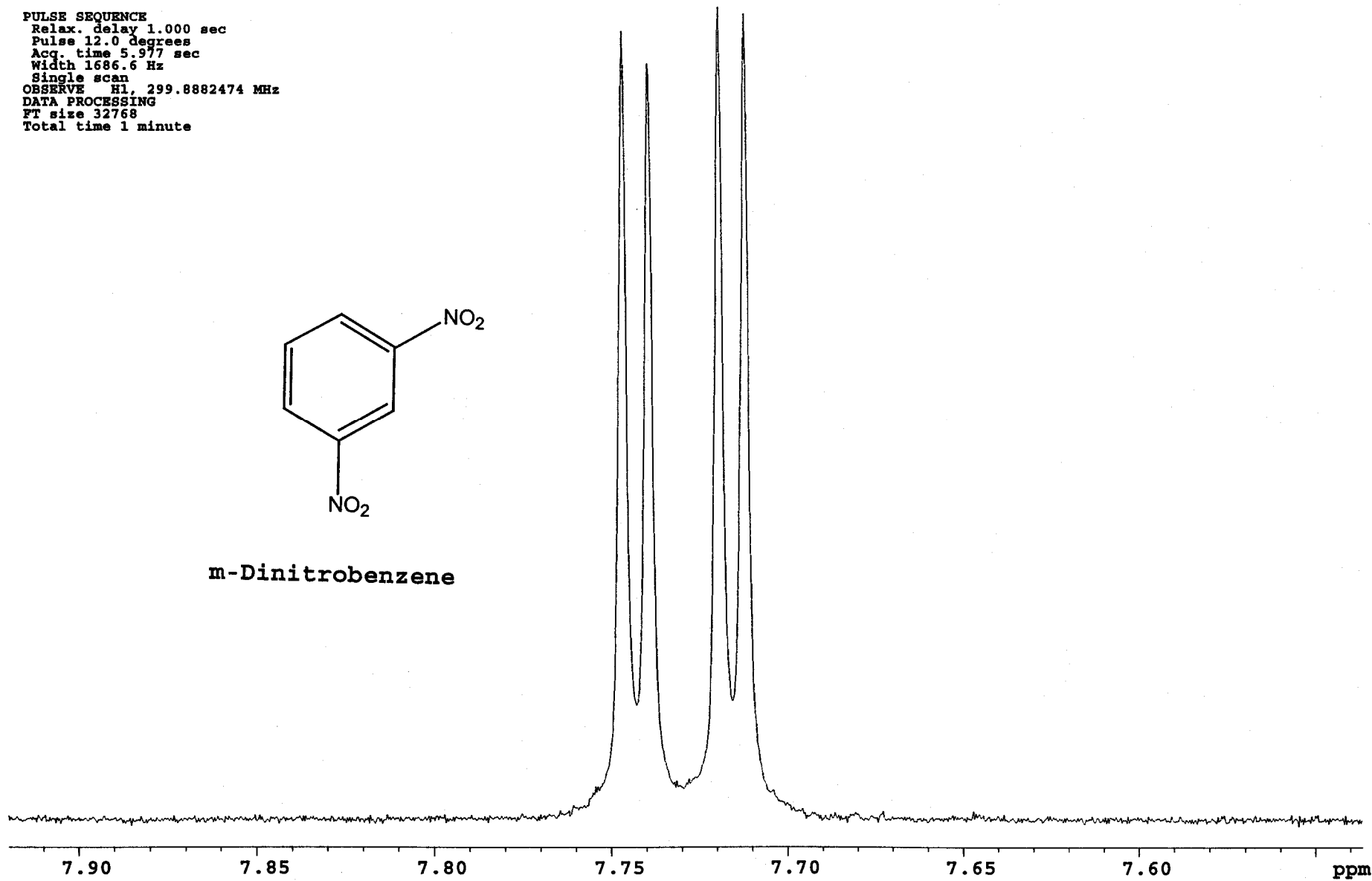
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: n115a

PULSE SEQUENCE

Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.977 sec
Width 1686.6 Hz
Single scan
OBSERVE H1, 299.8882474 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



m-Dinitrobenzene

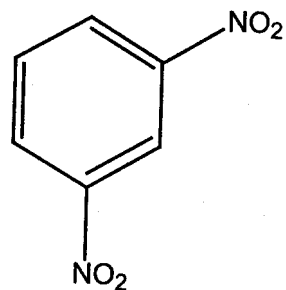


m-dinitrobenzene

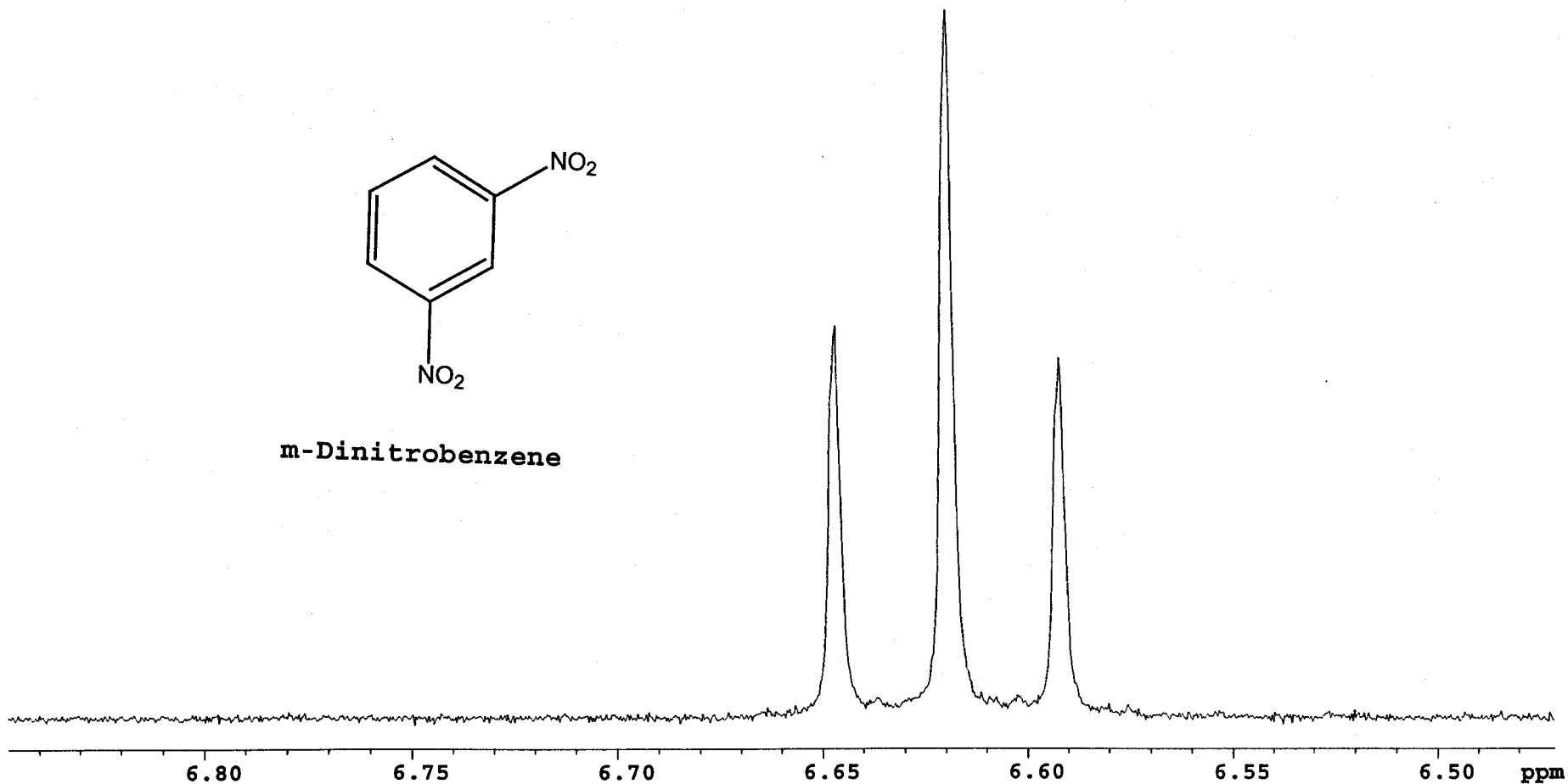
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: n115a

PULSE SEQUENCE

Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.977 sec
Width 1686.6 Hz
Single scan
OBSERVE H1, 299.8882474 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

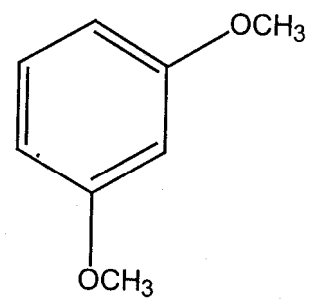
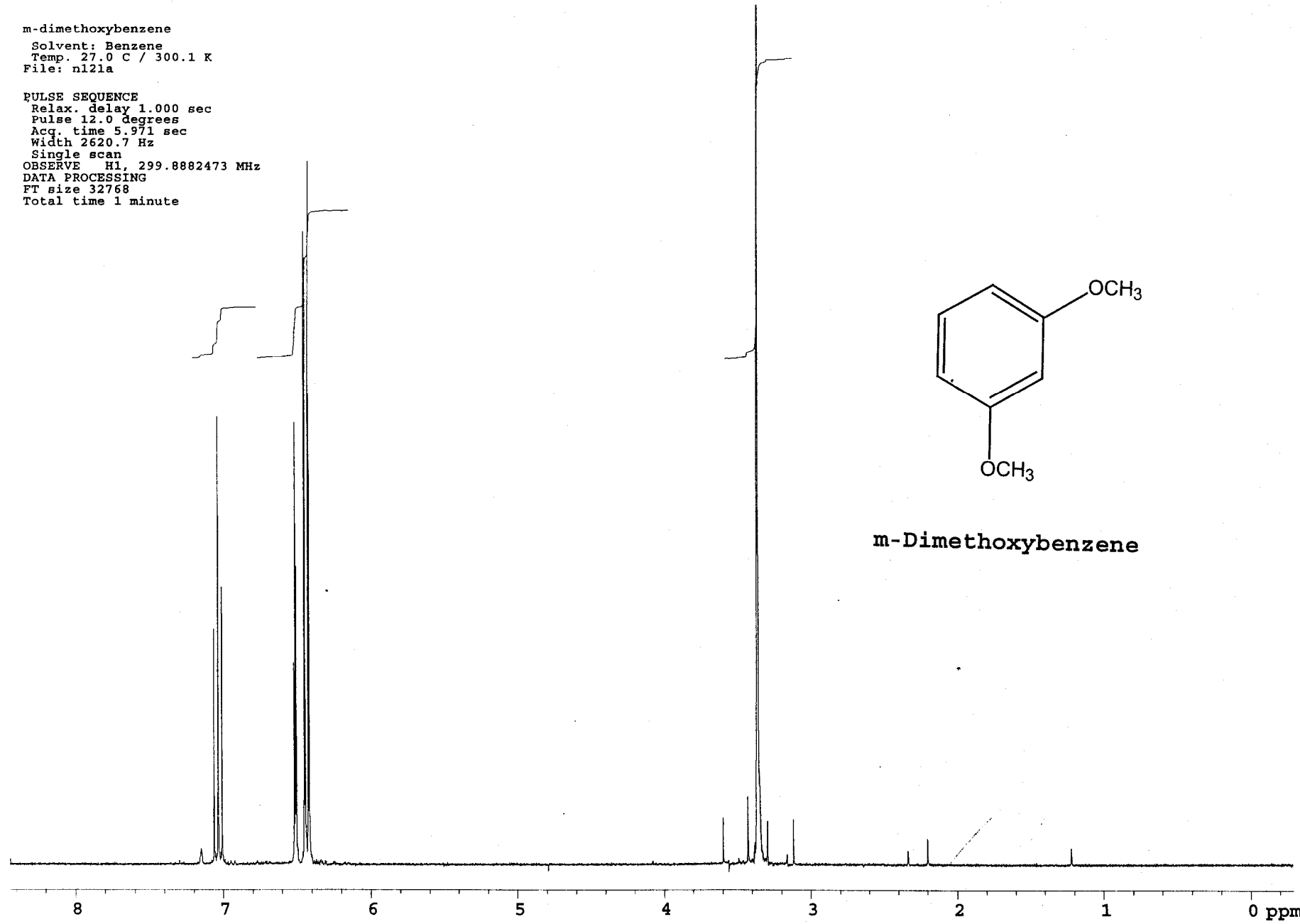


m-Dinitrobenzene



m-dimethoxybenzene
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: n121a

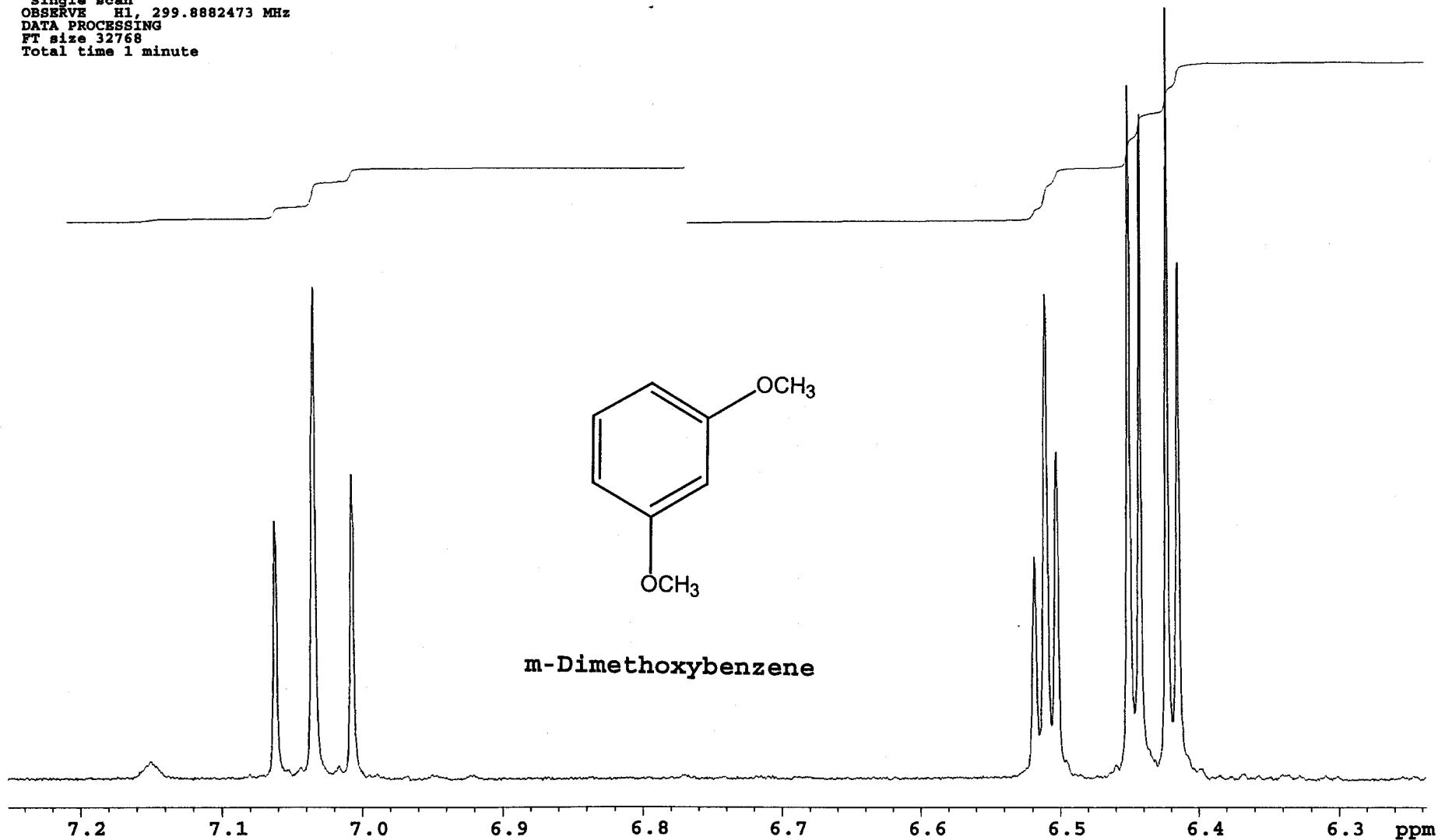
PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.971 sec
Width 2620.7 Hz
Single scan
OBSERVE H1, 299.8882473 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



m-Dimethoxybenzene

m-dimethoxybenzene
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: n121a

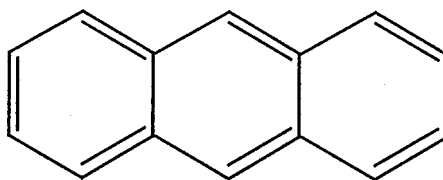
PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.971 sec
Width 2620.7 Hz
Single scan
OBSERVE H1, 299.8882473 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



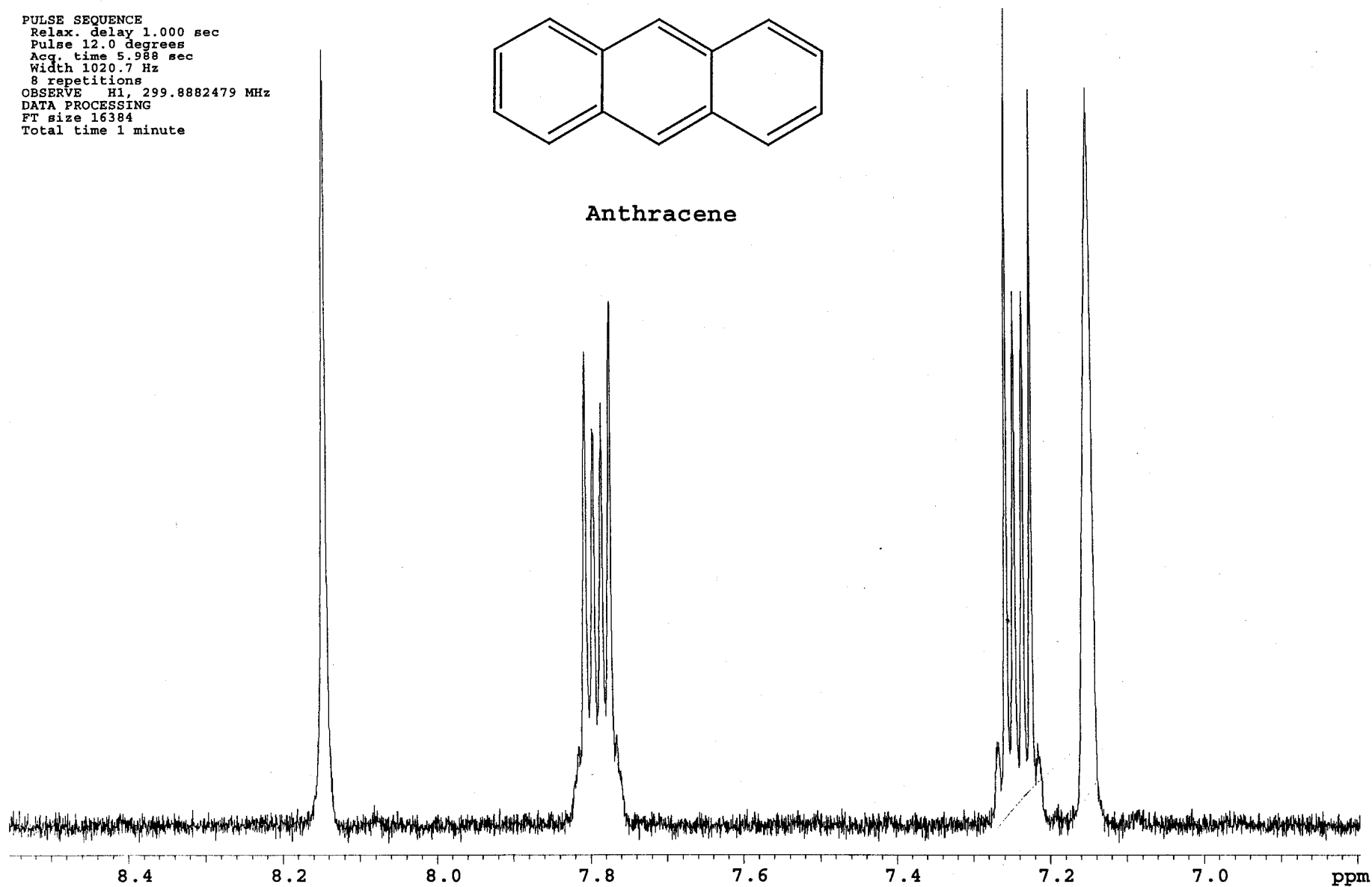
anthracene

Solvent: Benzene
Ambient temperature
File: n61a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.988 sec
Width 1020.7 Hz
8 repetitions
OBSERVE H1, 299.8882479 MHz
DATA PROCESSING
FT size 16384
Total time 1 minute



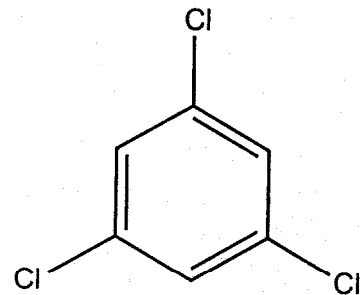
Anthracene



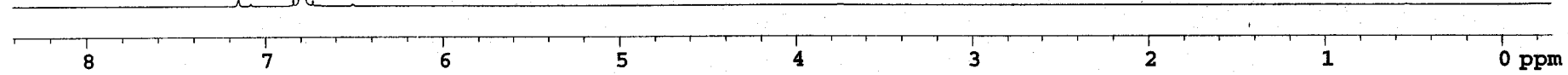
1,3,5-trichlorobenzene
c6d6
f37a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f37a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.974 sec
Width 2608.8 Hz
16 repetitions
OBSERVE H1, 299.8882479 MHz
DATA PROCESSING
Line broadening 0.3 Hz
FT size 32768
Total time 1 minutes

6.794

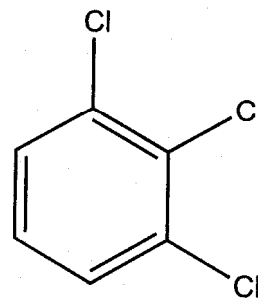


1,3,5-Trichlorobenzene

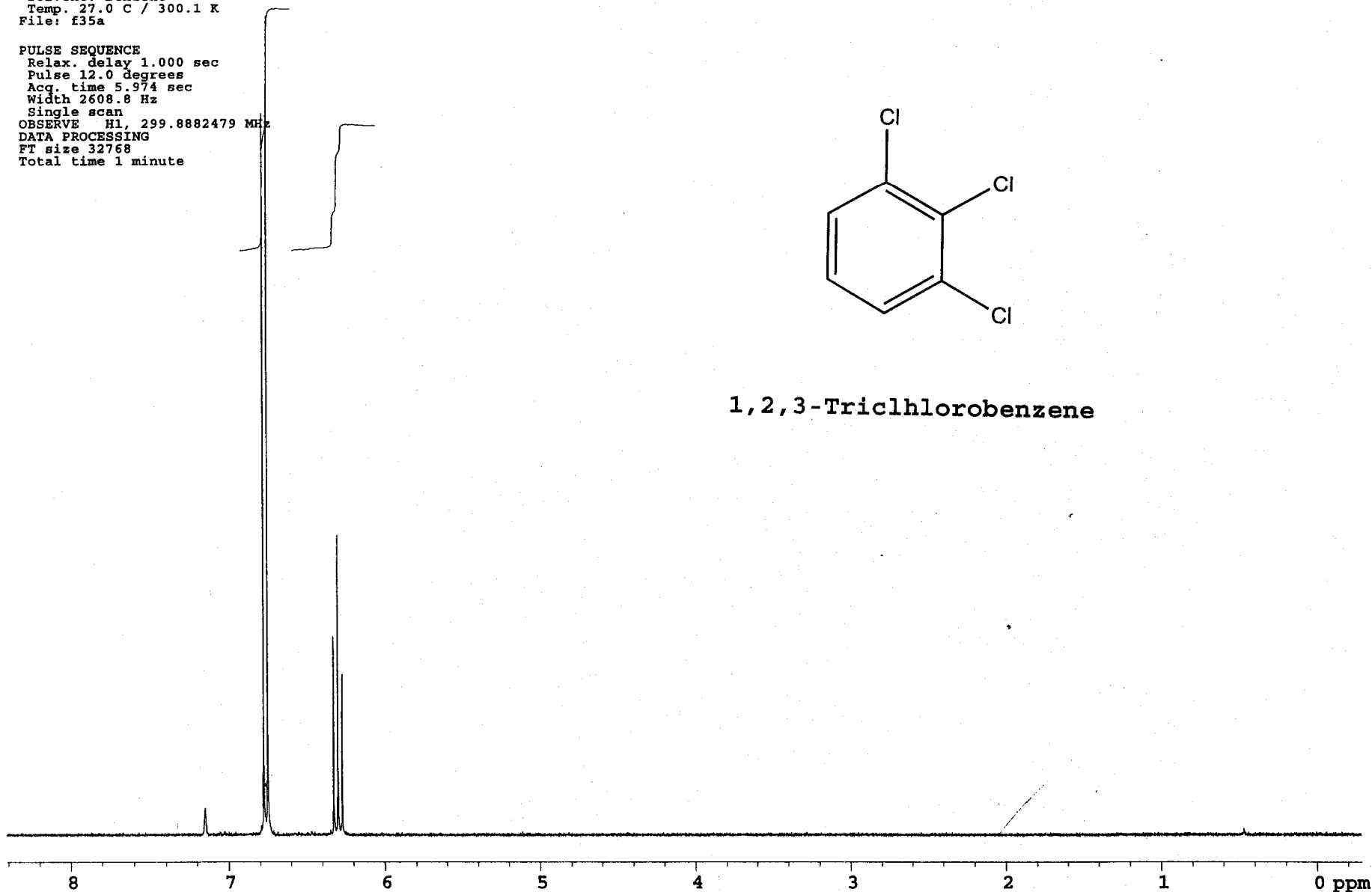


1,2,3-trichlorobenzene
c6d6
f35a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f35a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.974 sec
Width 2608.8 Hz
Single scan
OBSERVE H1, 299.8882479 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



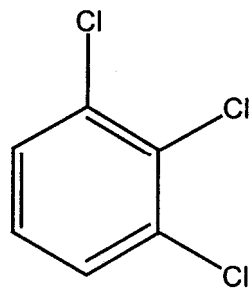
1,2,3-Trichlorobenzene



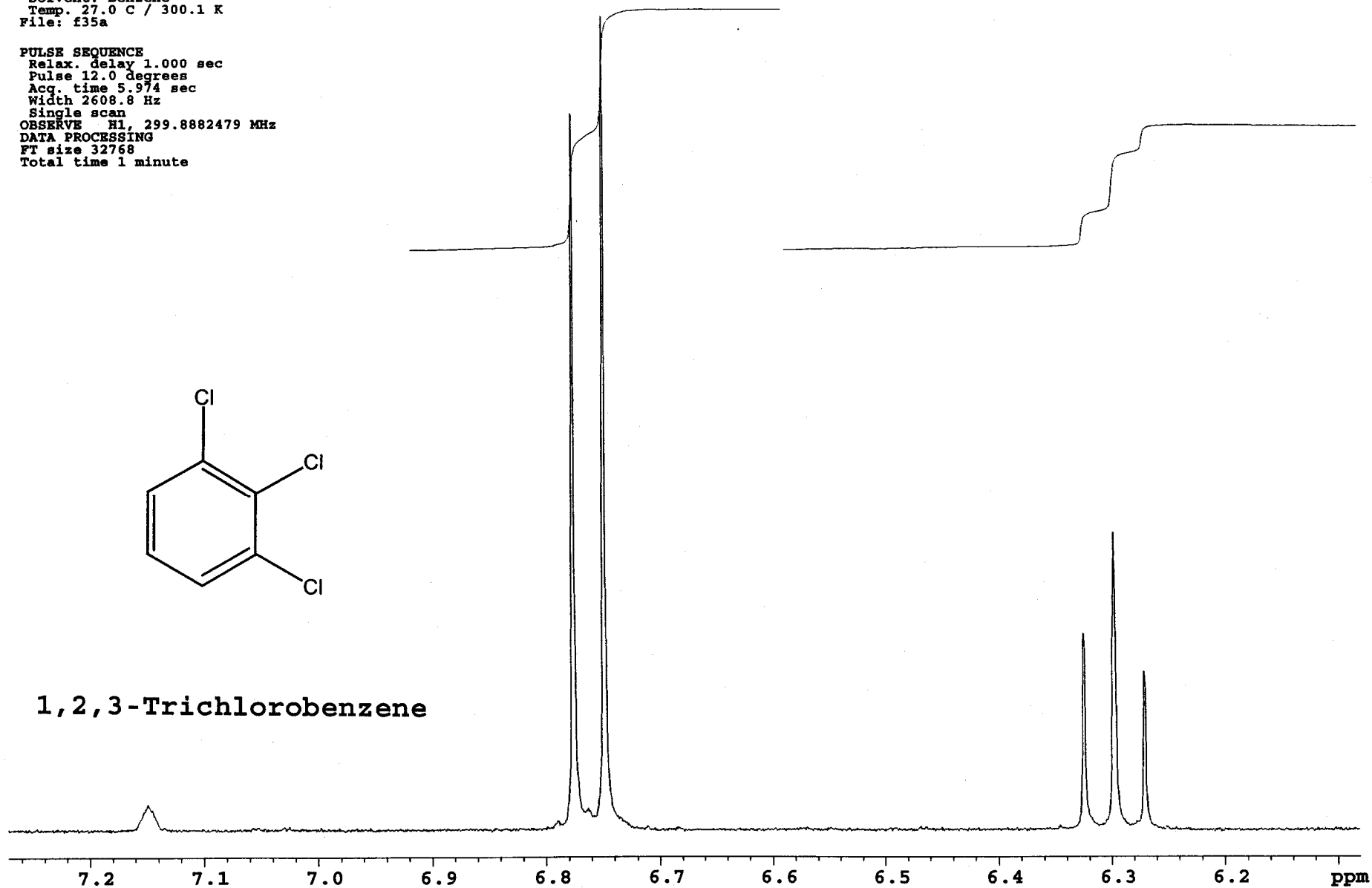
1,2,3-trichlorobenzene
c6d6
f35a

Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f35a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.974 sec
Width 2608.8 Hz
Single scan
OBSERVE H1, 299.8882479 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute

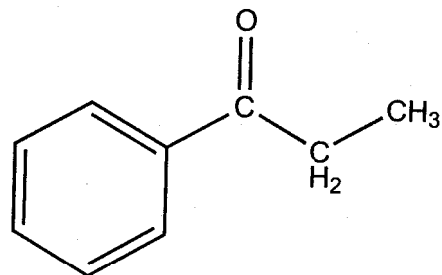


1,2,3-Trichlorobenzene

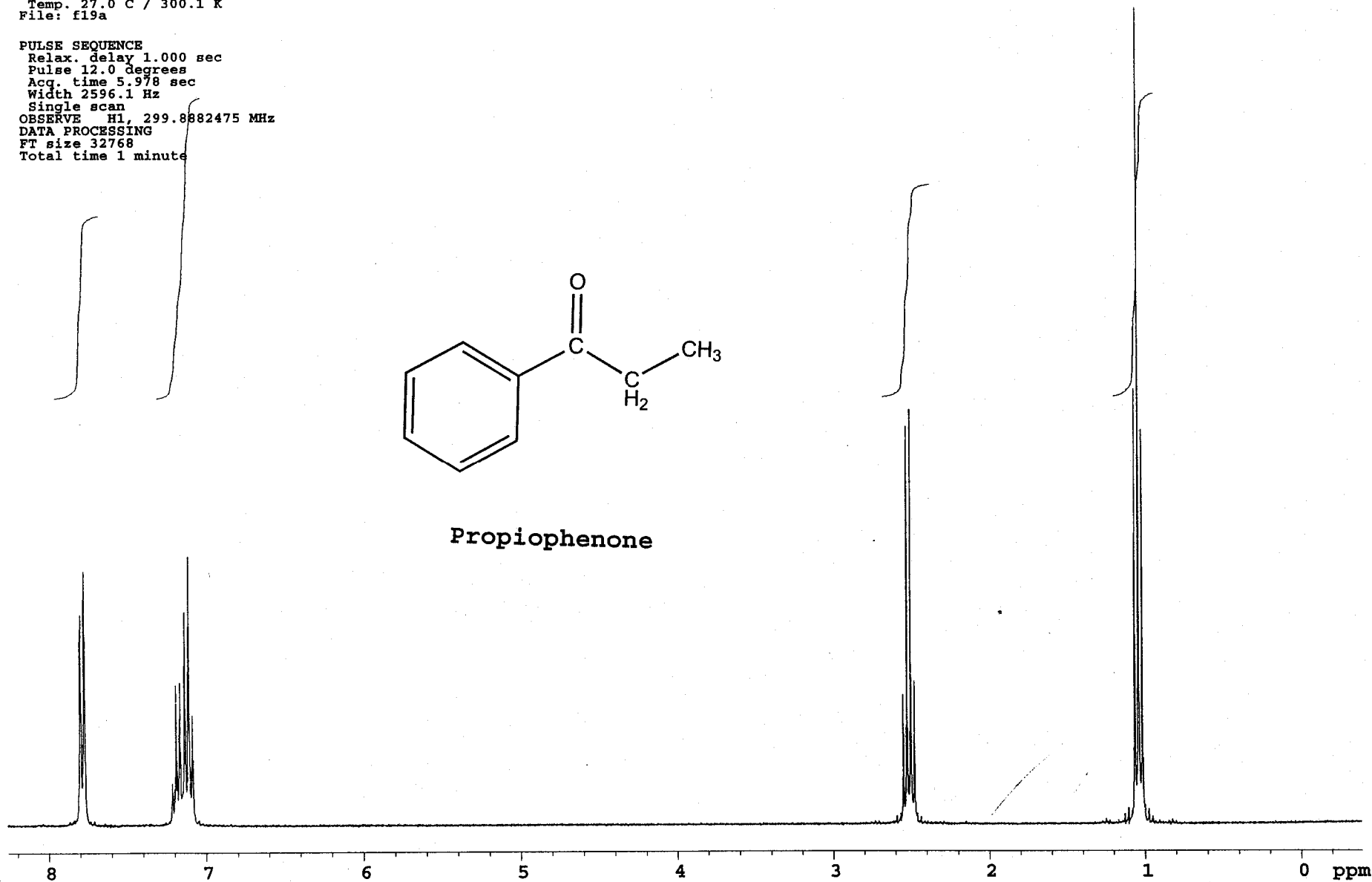


propiofenone
c6d6
f19a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f19a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.978 sec
Width 2596.1 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



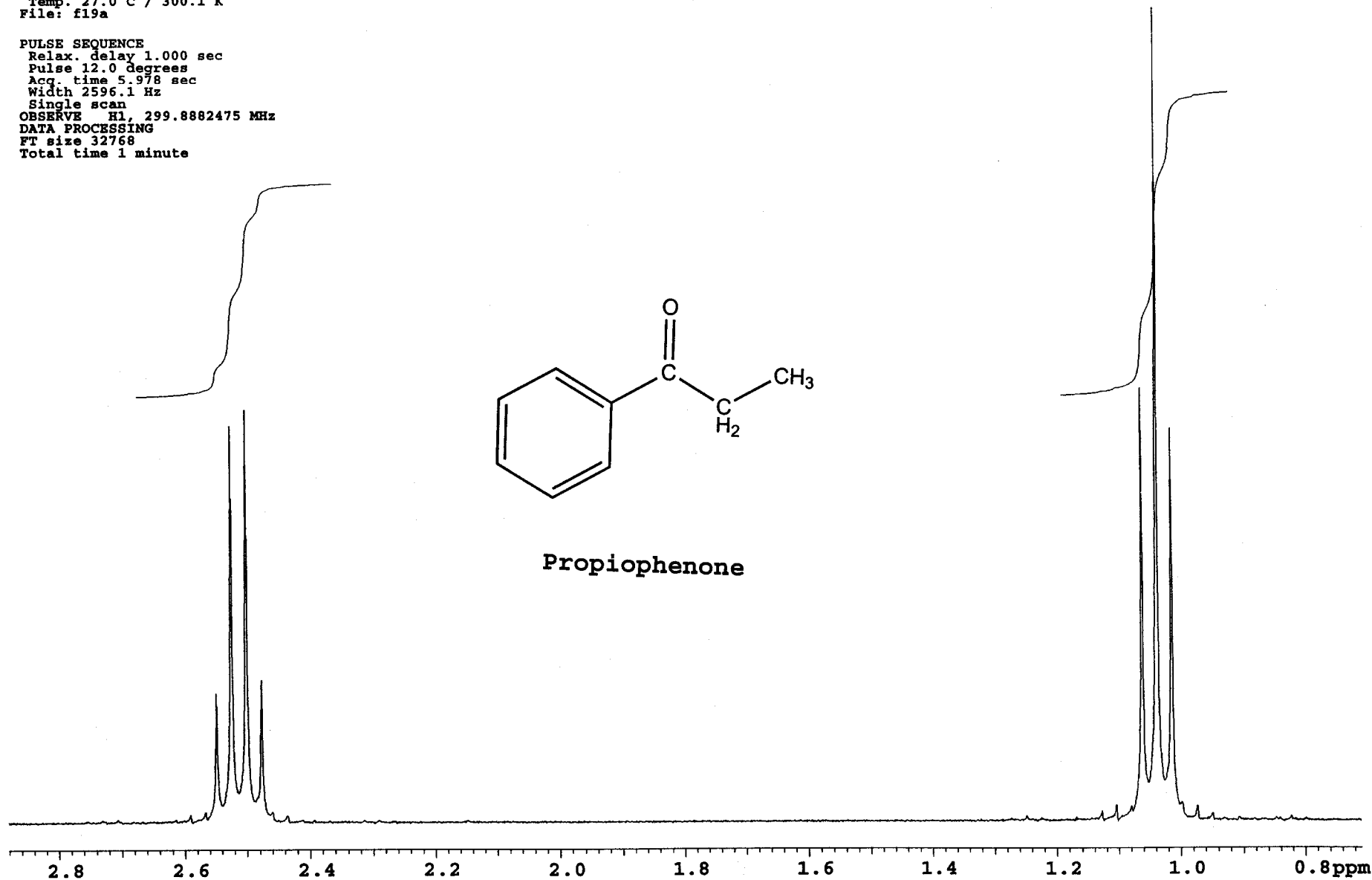
Propiophenone



propiofenone
c5d6
f19a

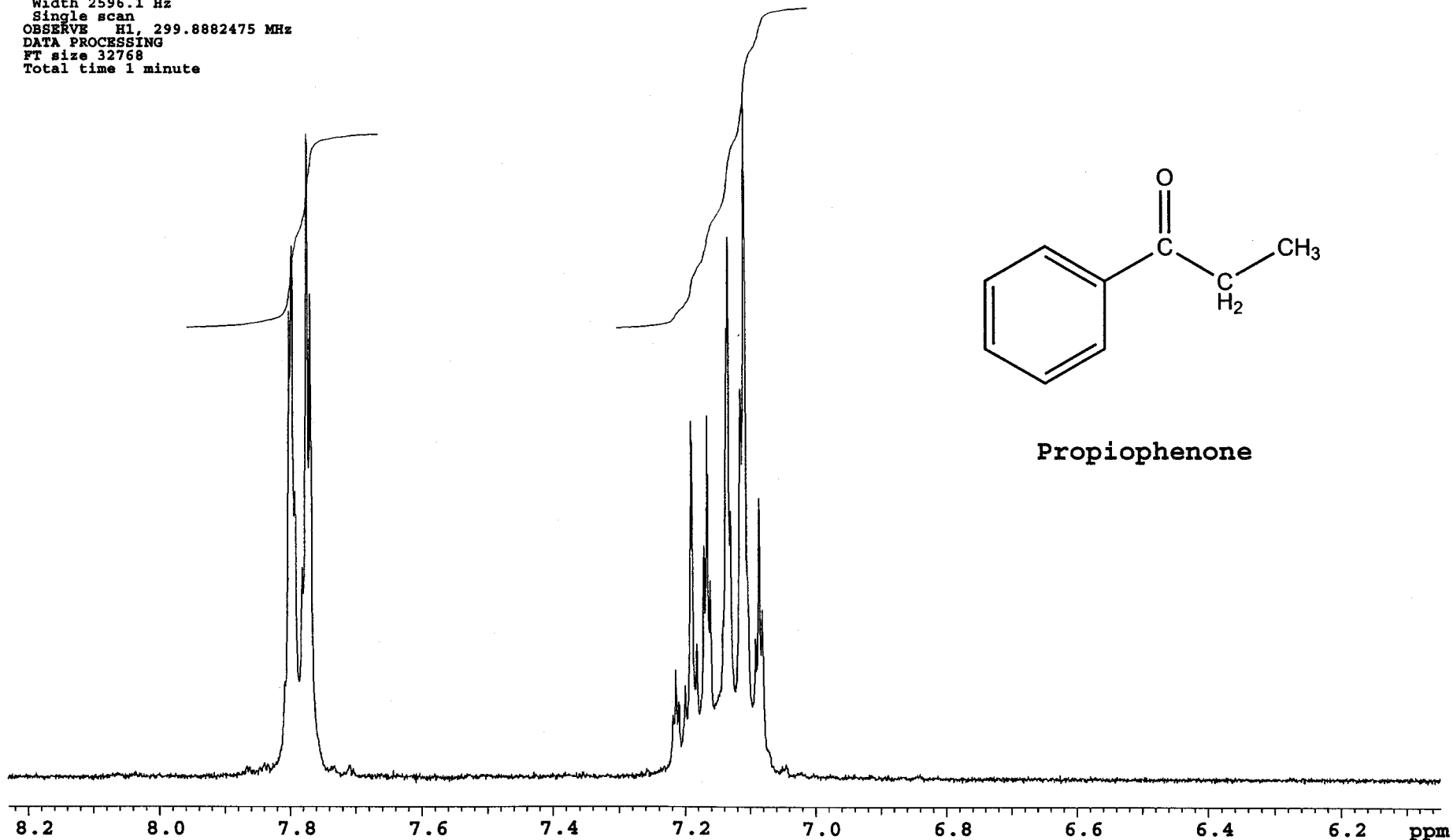
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f19a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.978 sec
Width 2596.1 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



propiophenone
c6d6
f19a
Solvent: Benzene
Temp. 27.0 C / 300.1 K
File: f19a

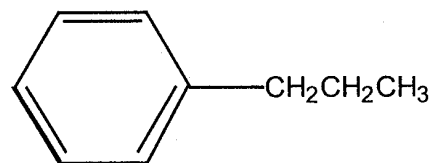
PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.978 sec
Width 2596.1 Hz
Single scan
OBSERVE H1, 299.8882475 MHz
DATA PROCESSING
FT size 32768
Total time 1 minute



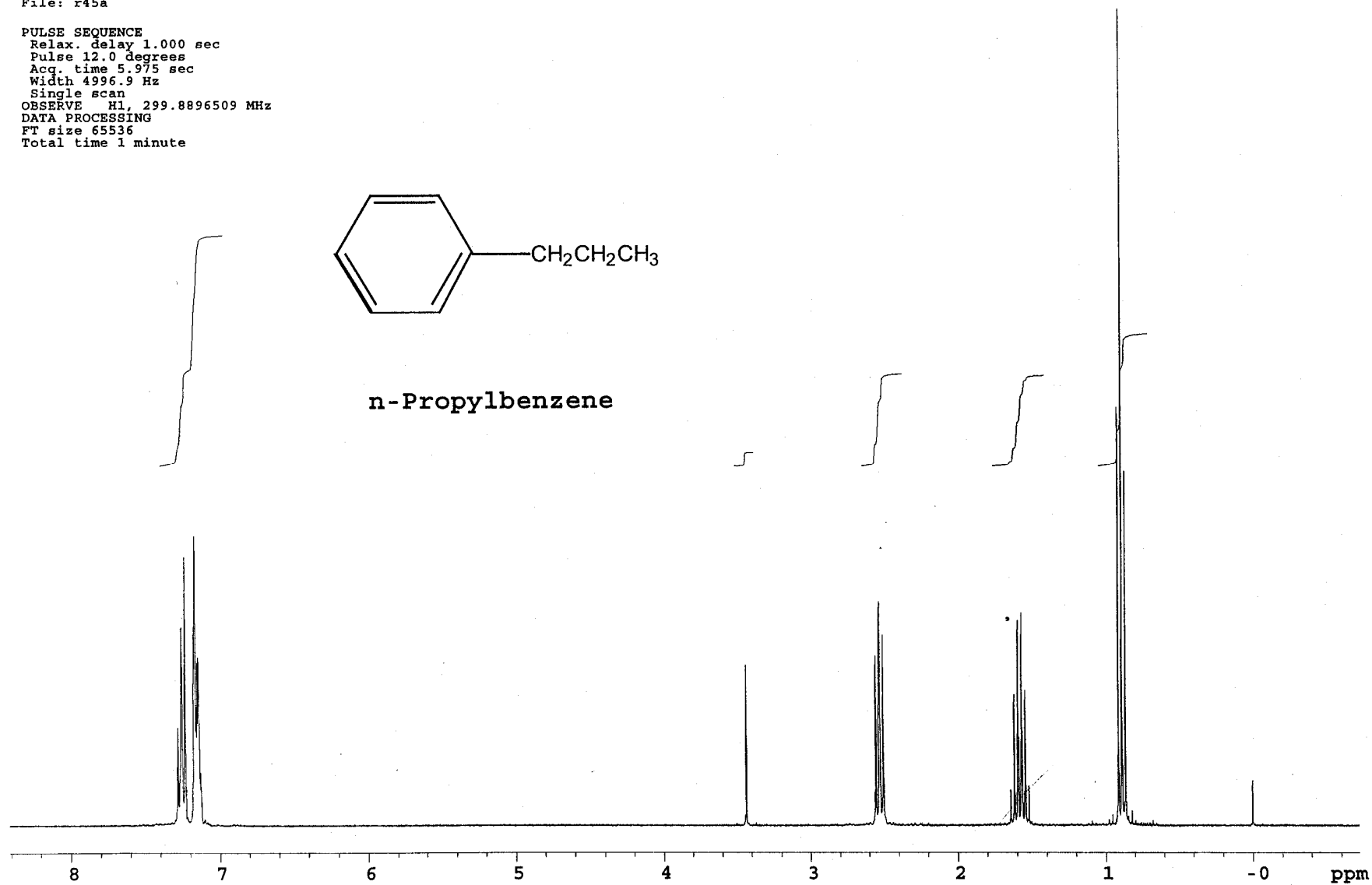
propylbenzene
r45

Solvent: DMSO
Ambient temperature
File: r45a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.975 sec
Width 4996.9 Hz
Single scan
OBSERVE H1, 299.8896509 MHz
DATA PROCESSING
FT size 65536
Total time 1 minute

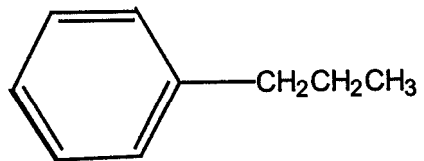


n-Propylbenzene

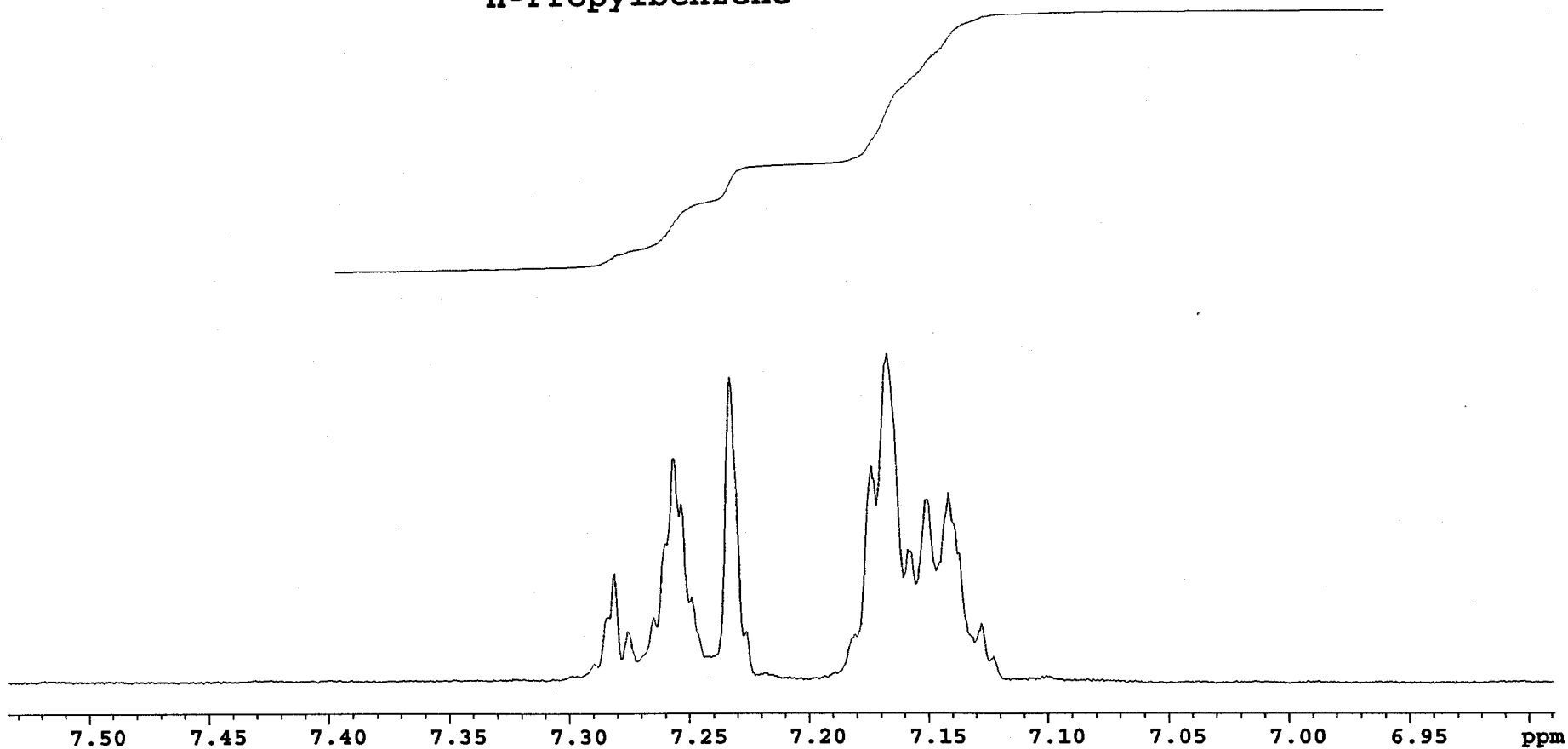


propylbenzene
r45
Solvent: DMSO
Ambient temperature
File: r45a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.975 sec
Width 4996.9 Hz
Single scan
OBSERVE H1, 299.8896509 MHz
DATA PROCESSING
FT size 65536
Total time 1 minute



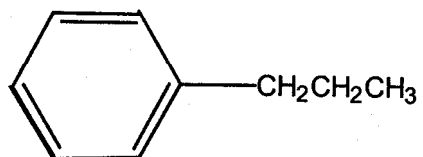
n-Propylbenzene



propylbenzene
r45

Solvent: DMSO
Ambient temperature
File: r45a

PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 12.0 degrees
Acq. time 5.975 sec
Width 4996.9 Hz
Single scan
OBSERVE H1, 299.8896509 MHz
DATA PROCESSING
FT size 65536
Total time 1 minute



n-Propylbenzene

