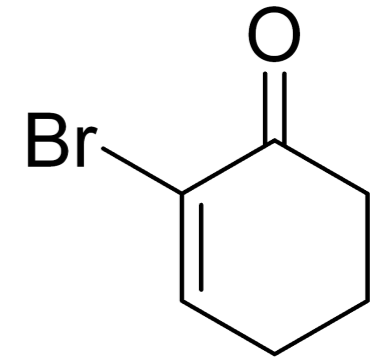
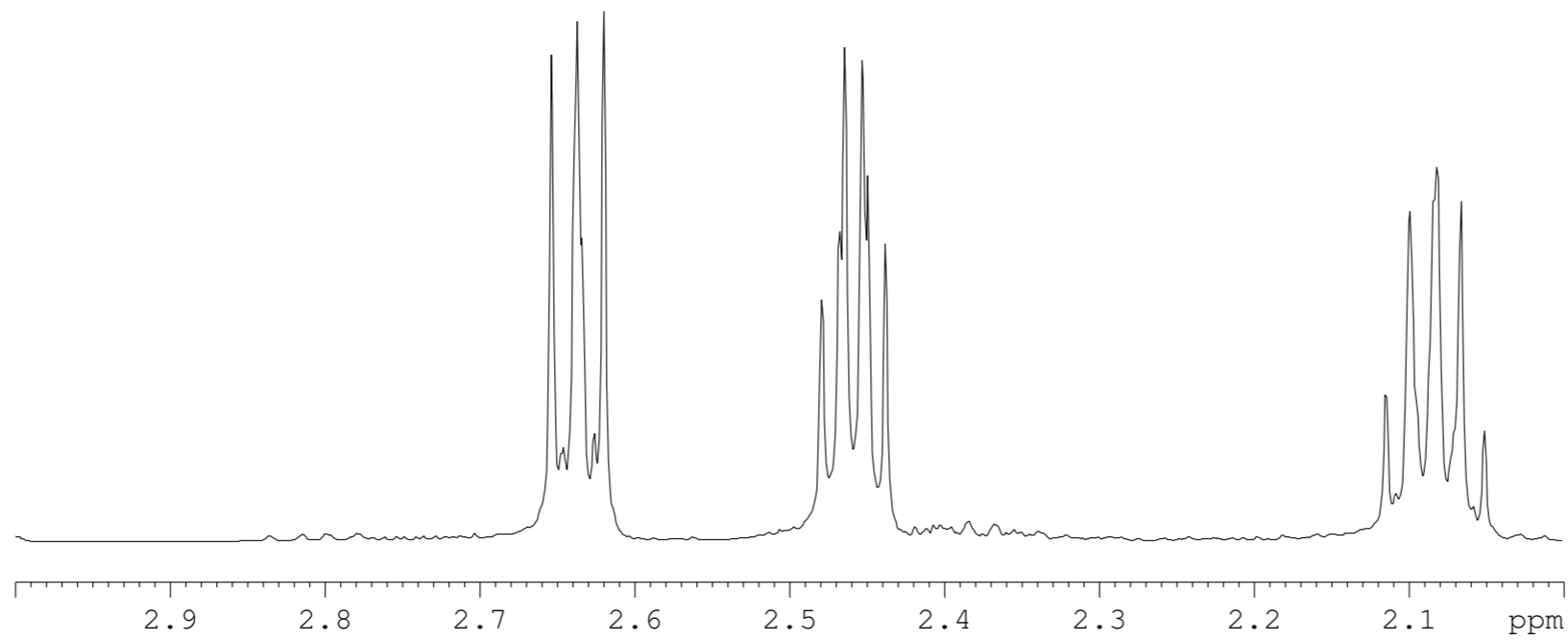


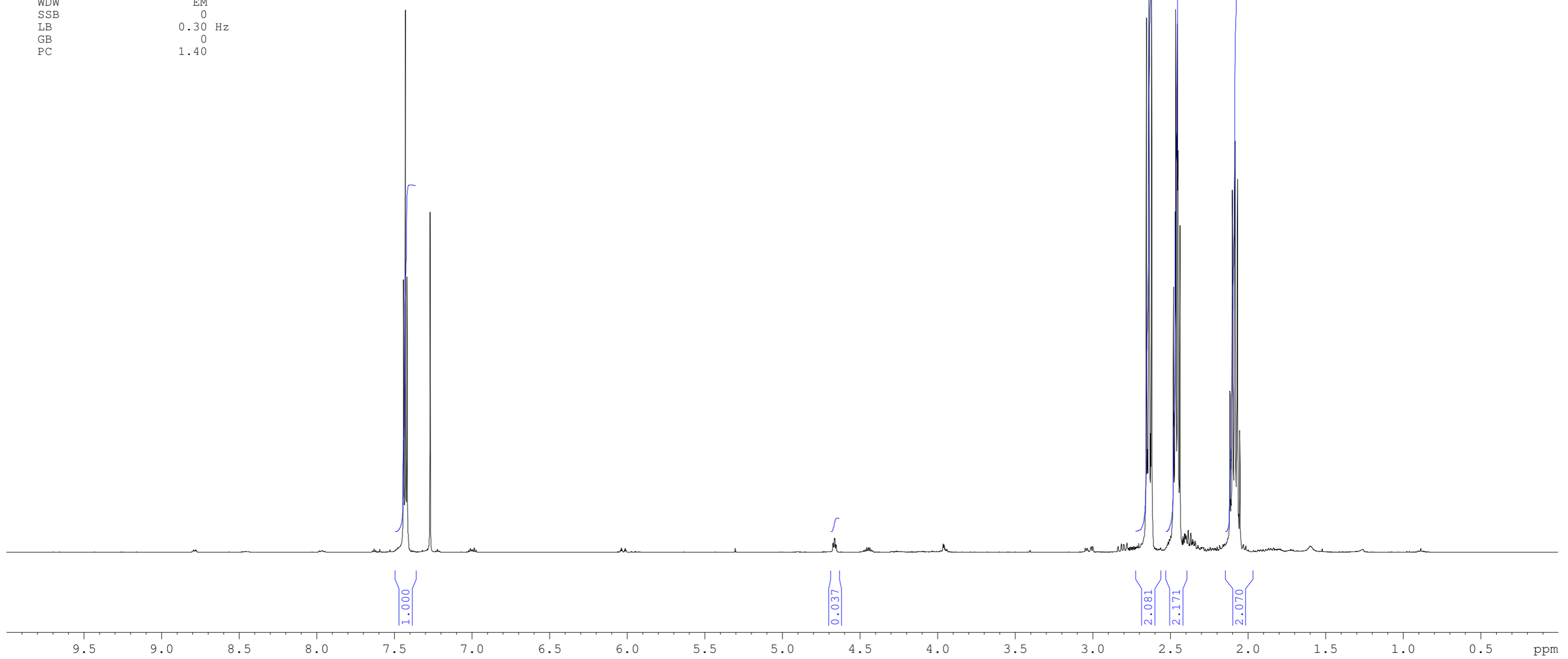
NAME 32077-225  
EXPNO 1  
PROCNO 1  
Date\_ 20130302  
Time 13.44  
INSTRUM spect  
PROBHD 5 mm PABBO BB-  
PULPROG zg30  
TD 32768  
SOLVENT CDCl3  
NS 32  
DS 2  
SWH 6578.947 Hz  
FIDRES 0.200774 Hz  
AQ 2.4904180 sec  
RG 181  
DW 76.000 usec  
DE 6.50 usec  
TE 300.0 K  
D1 0.10000000 sec  
TD0 1

32077-225/1 hughesda  
32077-225  
crude  
nmr400b h-1



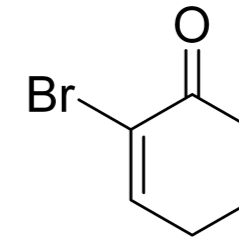
CRUDE

==== CHANNEL f1 =====  
NUC1 1H  
P1 12.75 usec  
PL1 -2.00 dB  
PL1W 13.05791473 W  
SFO1 400.3324722 MHz  
SI 16384  
SF 400.3300038 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.40

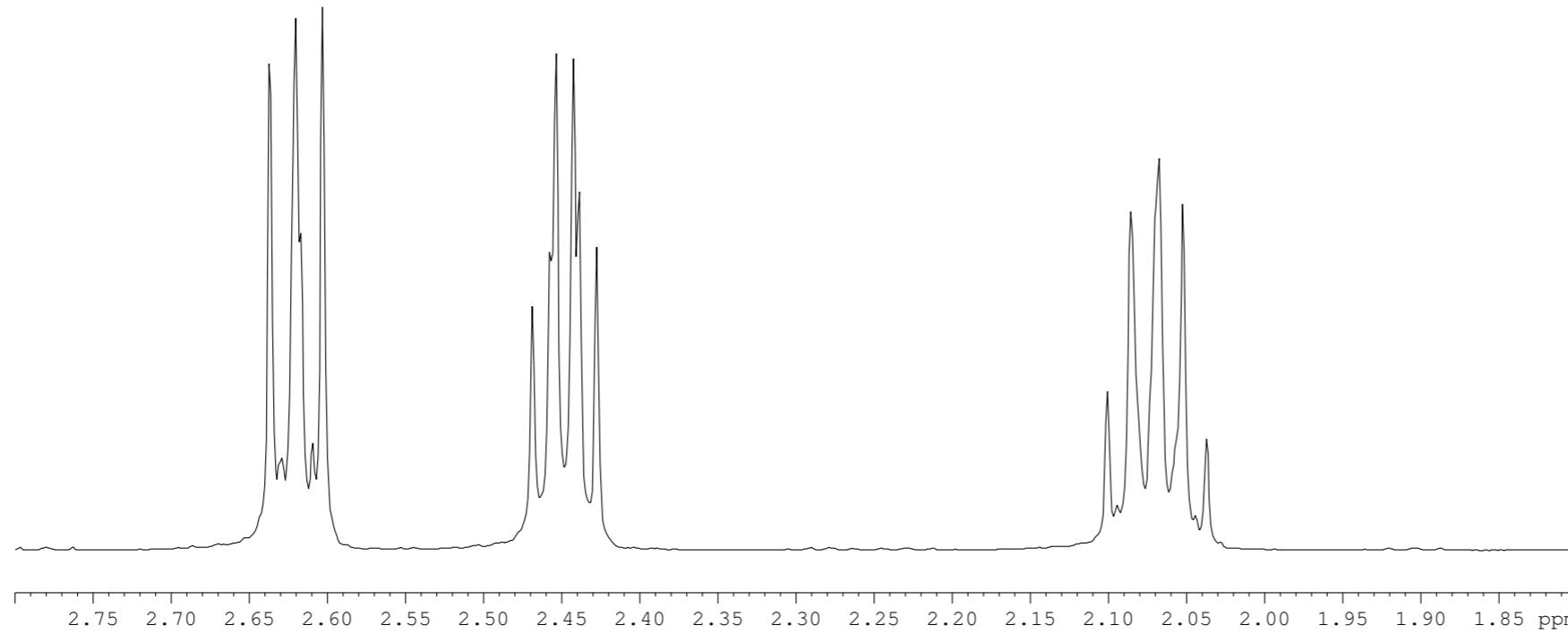


NAME 32077-221  
 EXPNO 2  
 PROCNO 1  
 Date\_ 20130203  
 Time 13.06  
 INSTRUM spect  
 PROBHD 5 mm PABBO BB-  
 PULPROG zg30  
 TD 32768  
 SOLVENT CDCl3  
 NS 32  
 DS 2  
 SWH 6578.947 Hz  
 FIDRES 0.200774 Hz  
 AQ 2.4904180 sec  
 RG 90.5  
 DW 76.000 usec  
 DE 6.50 usec  
 TE 300.0 K  
 D1 0.10000000 sec  
 TD0 1

32077-221/2 hughesda  
 32077-221  
 recrystallized  
 nmr400b h-1



Recrystallized



===== CHANNEL f1 =====  
 NUC1 1H  
 P1 12.75 usec  
 PL1 -2.00 dB  
 PL1W 13.05791473 W  
 SF01 400.3324722 MHz  
 SI 16384  
 SF 400.3300037 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

Peak	?(F1) [ppm]	?(F1) [Hz]	Intensity [abs]	Annotation
1	7.4286	2973.8915	10785416.81	
2	7.4175	2969.4478	27688728.56	
3	7.4063	2964.9641	13831562.56	
4	7.2699	2910.3591	6304228.38	
5	2.6366	1055.5101	27032485.94	
6	2.6292	1052.5476	4909354.12	
7	2.6200	1048.8646	25808904.94	
8	2.6173	1047.7837	17152668.81	
9	2.6091	1044.5010	5377852.00	
10	2.6029	1042.0190	30177629.00	
11	2.4685	988.2146	13544156.19	
12	2.4570	983.6108	16566205.19	
13	2.4536	982.2497	23869519.94	
14	2.4423	977.7260	27322772.00	
15	2.4387	976.2848	18447514.81	
16	2.4274	971.7611	12395801.06	
17	2.1005	840.8932	7182883.44	
18	2.0942	838.3711	2510820.69	
19	2.0852	834.7681	18794757.00	
20	2.0675	827.6823	20460049.06	
21	2.0521	821.5172	19243814.31	
22	2.0442	818.3546	1963757.62	
23	2.0370	815.4722	6199018.81	

