

## Supporting Information

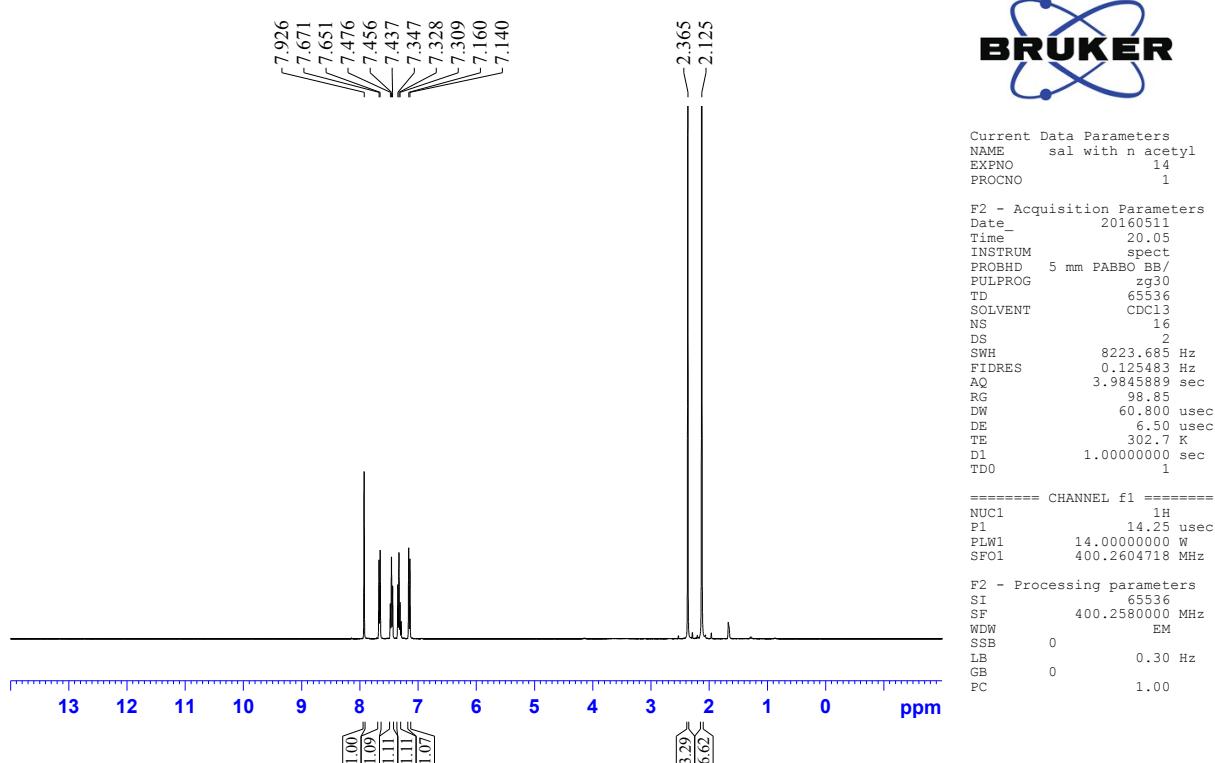
### New simple molecular fluorescent probes for rapid and highly selective sensing of hydrazine by aggregate-induced emission

B.B. Pavankumar<sup>a</sup>, Prabodh Ranjan<sup>b</sup>, Prakash C. Jha<sup>b</sup>, Akella Sivaramakrishna<sup>a\*</sup>

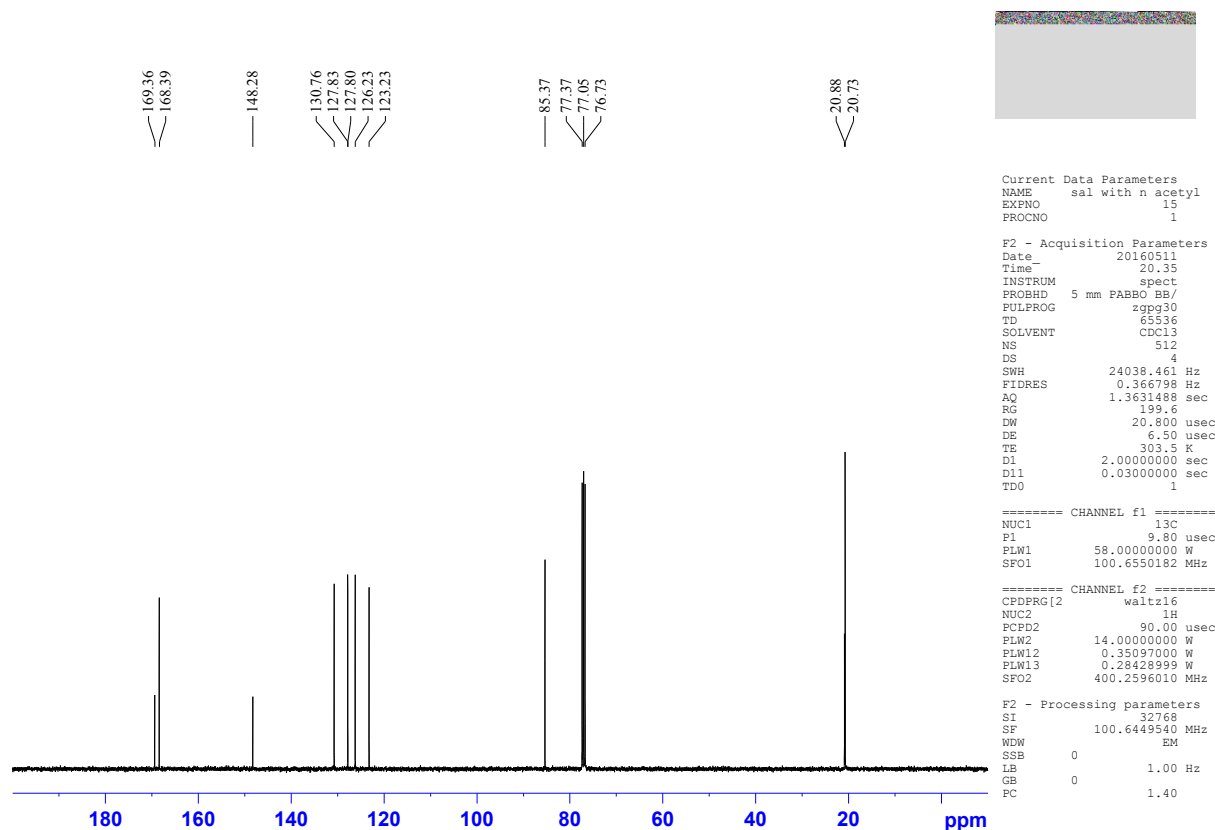
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<sup>b</sup>Center for Applied Chemistry, Central University of Gujarat, Gandhinagar, Sectro-30, India.

#### <sup>1</sup>H-NMR of Probe-1



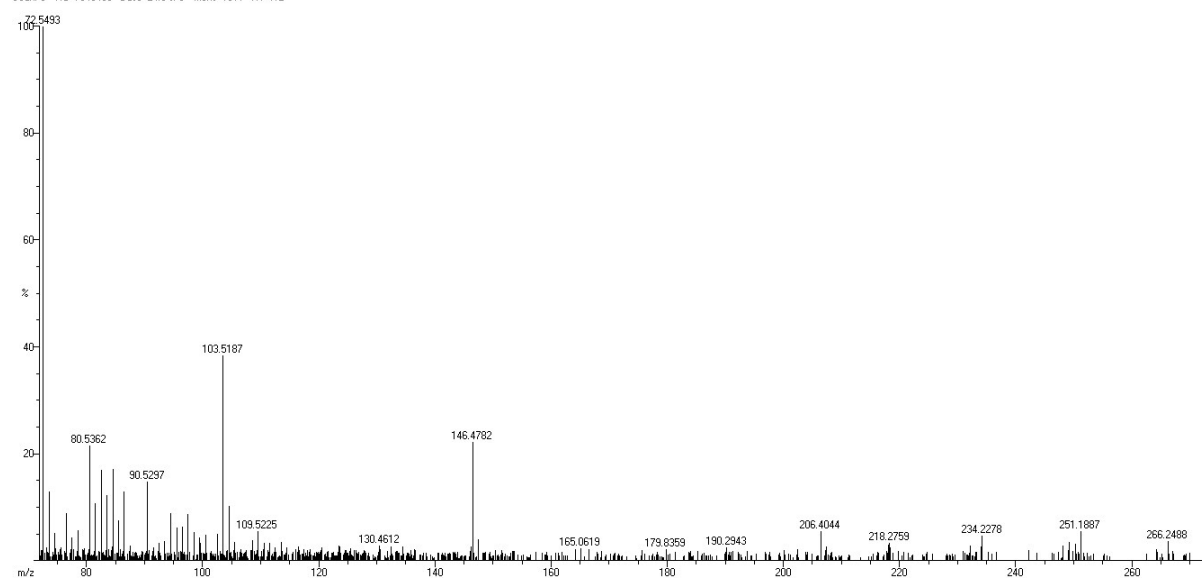
## <sup>13</sup>C-NMR of Probe-1



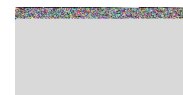
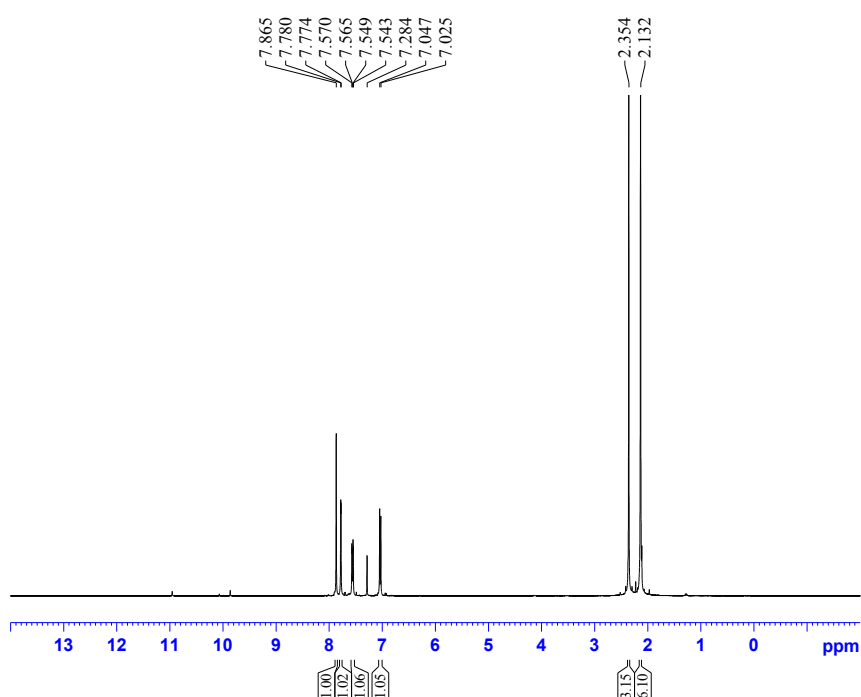
## HR-MS Data of Probe-1

S1

Scan: 5 TIC=7949456 Base=24.9%FS #ions=1511 RT=12



## <sup>1</sup>H-NMR of Probe-2

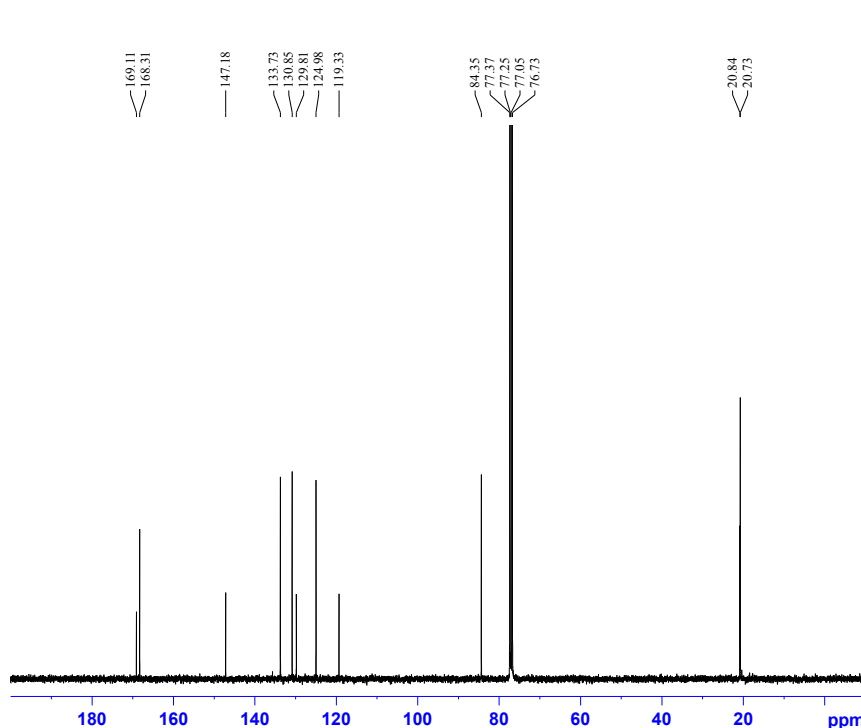


Current Data Parameters  
NAME sal with n acetyl  
EXPNO 37  
PROCNO 1

F2 - Acquisition Parameters  
Date 20170131  
Time 20.31 h  
INSTRUM spect  
PROBHD Z108618\_0505 (   
PULPROG zg30  
TD 65536  
SOLVENT CDCl3  
NS 16  
DS 2  
SWH 8012.820 Hz  
FIDRES 0.244532 Hz  
AQ 4.0894465 sec  
RG 112.69  
DW 62.400 usec  
DE 6.50 usec  
TE 297.9 K  
D1 1.00000000 sec  
TD0 1  
SFO1 400.2604716 MHz  
NUC1 1H  
P1 14.25 usec  
PLW1 14.00000000 W

F2 - Processing parameters  
SI 65536  
SF 400.2580000 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

## <sup>13</sup>C-NMR of Probe-2



Current Data Parameters  
NAME sal with n acetyl  
EXPNO 38  
PROCNO 1

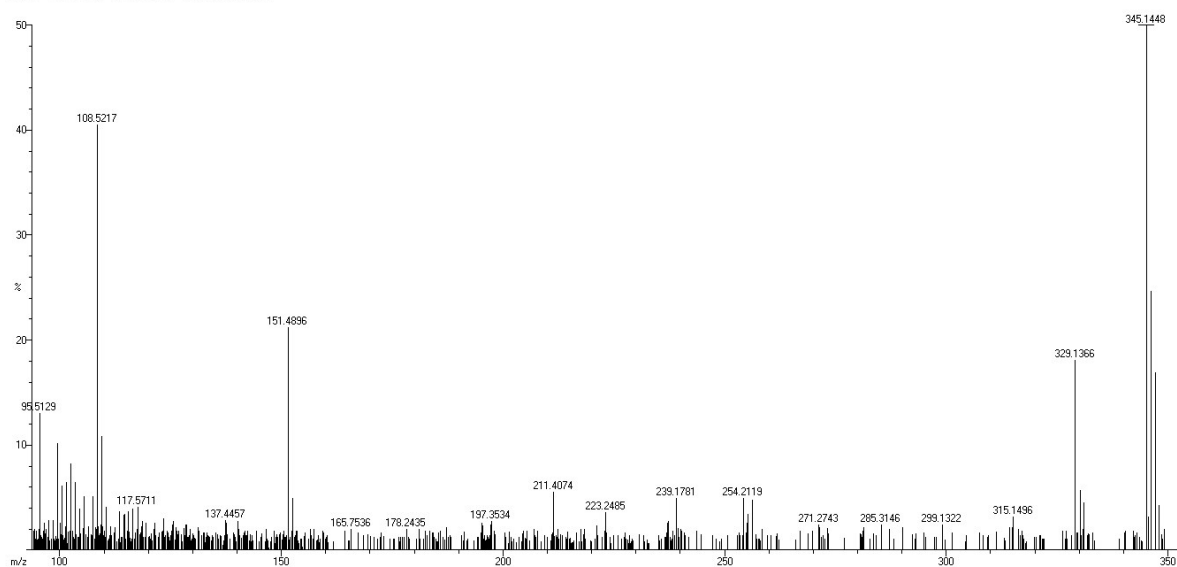
F2 - Acquisition Parameters  
Date 20170131  
Time 21.02 h  
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PULPROG zgpg30  
TD 65536  
SOLVENT CDCl3  
NS 512  
DS 4  
SWH 24038.461 Hz  
FIDRES 0.733596 Hz  
AQ 1.3631488 sec  
RG 143.73  
DW 20.800 usec  
DE 6.50 usec  
TE 298.5 K  
D1 2.00000000 sec  
D11 0.03000000 sec  
TD0 1  
SFO1 100.6550186 MHz  
NUC1 13C  
P1 9.80 usec  
PLW1 58.00000000 W  
SFO2 400.2596010 MHz  
NUC2 1H  
CFDPRG[2] waltz16  
PCPD2 90.00 usec  
PLW2 14.00000000 W  
PLW12 0.35097000 W  
PLW13 0.17654000 W

F2 - Processing parameters  
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SF 100.6449542 MHz  
WDW EM  
SSB 0  
LB 1.00 Hz  
GB 0  
PC 1.40

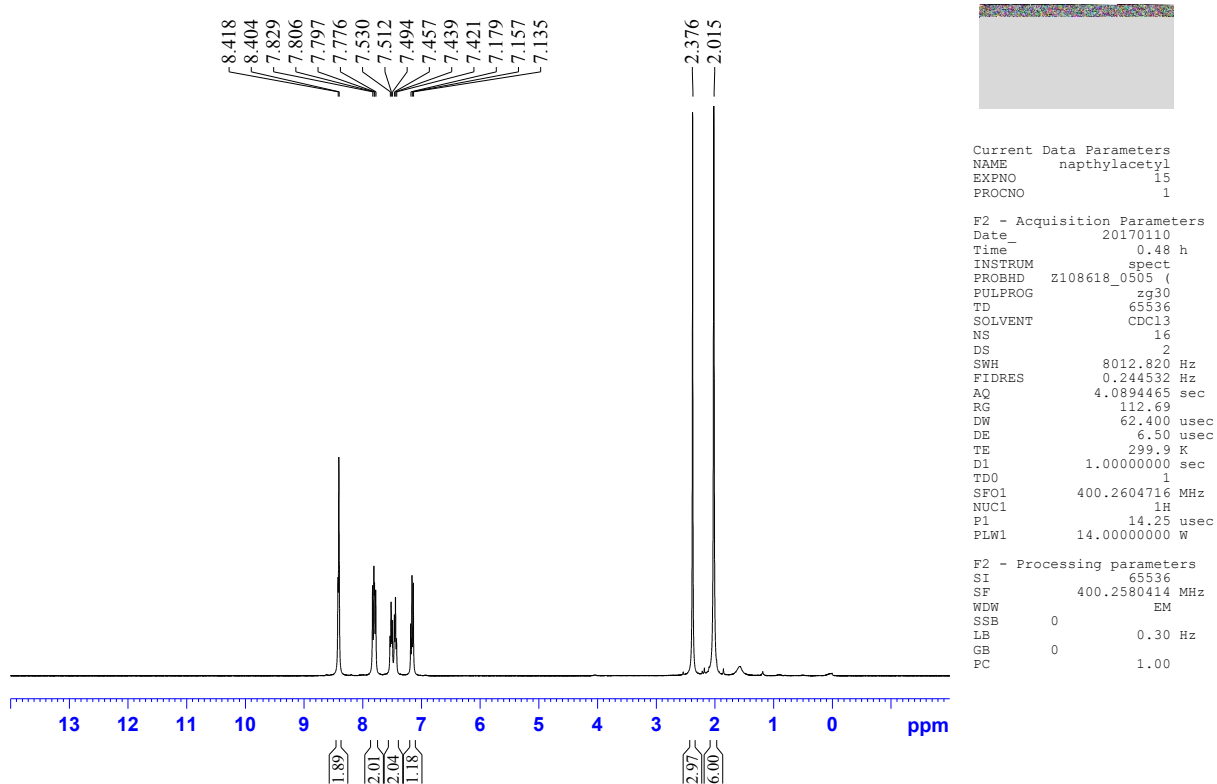
## HR-MS Data of Probe-2

S2

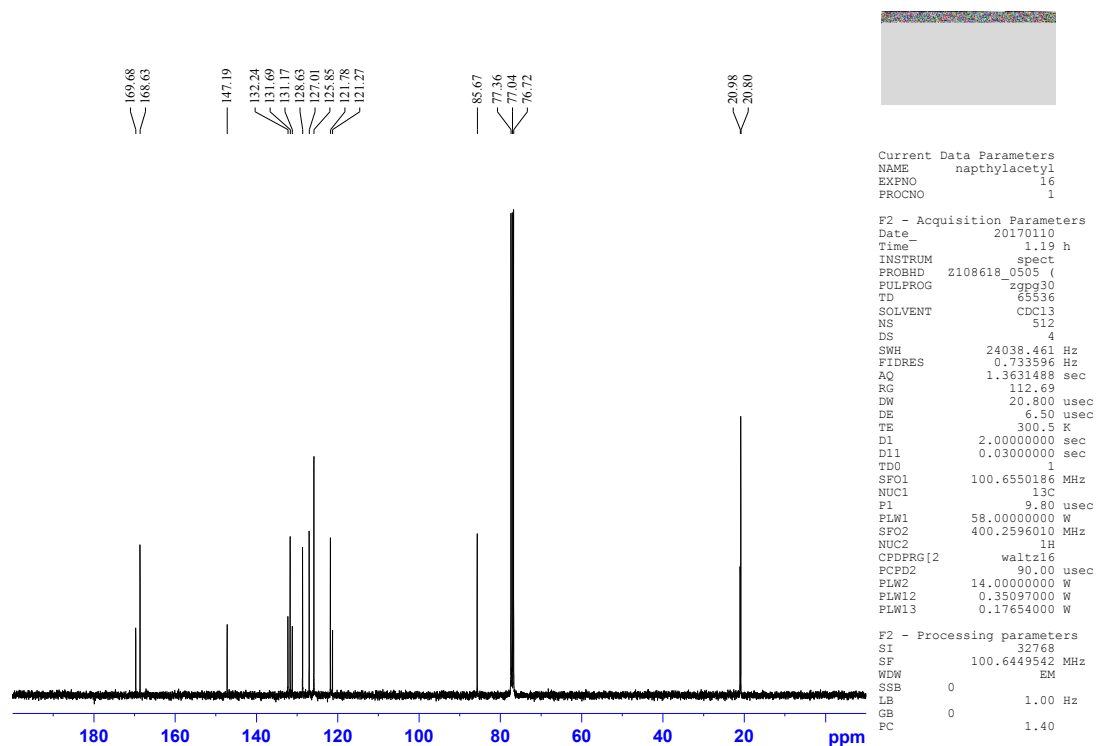
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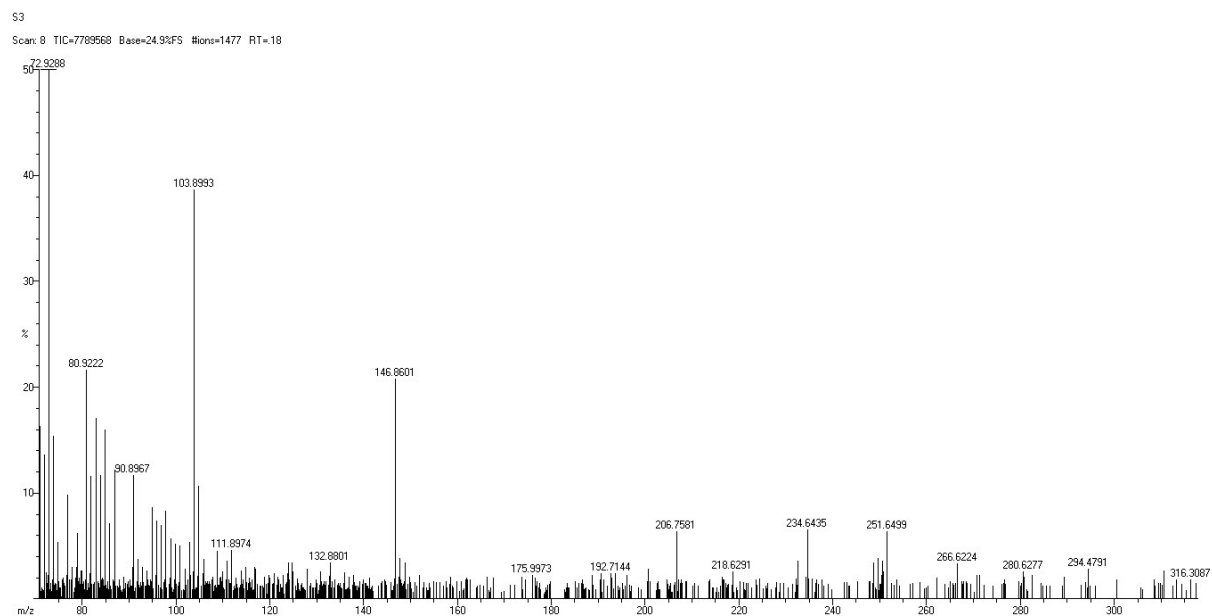
## <sup>1</sup>H-NMR of Probe-3



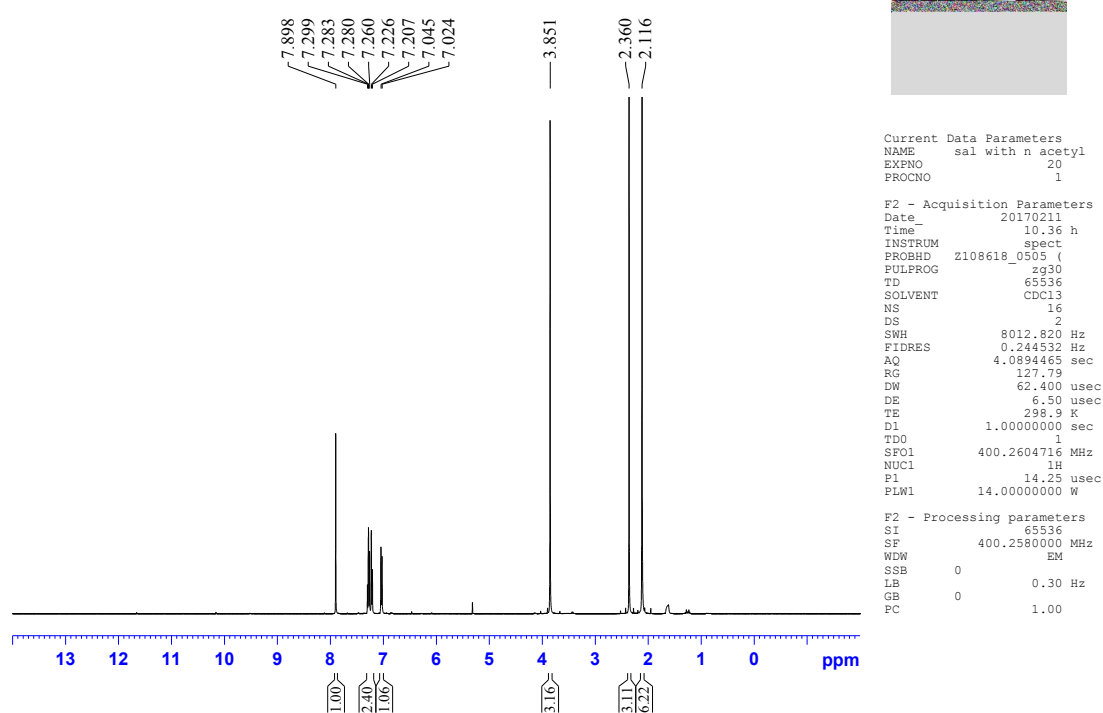
## <sup>13</sup>C-NMR of Probe-3



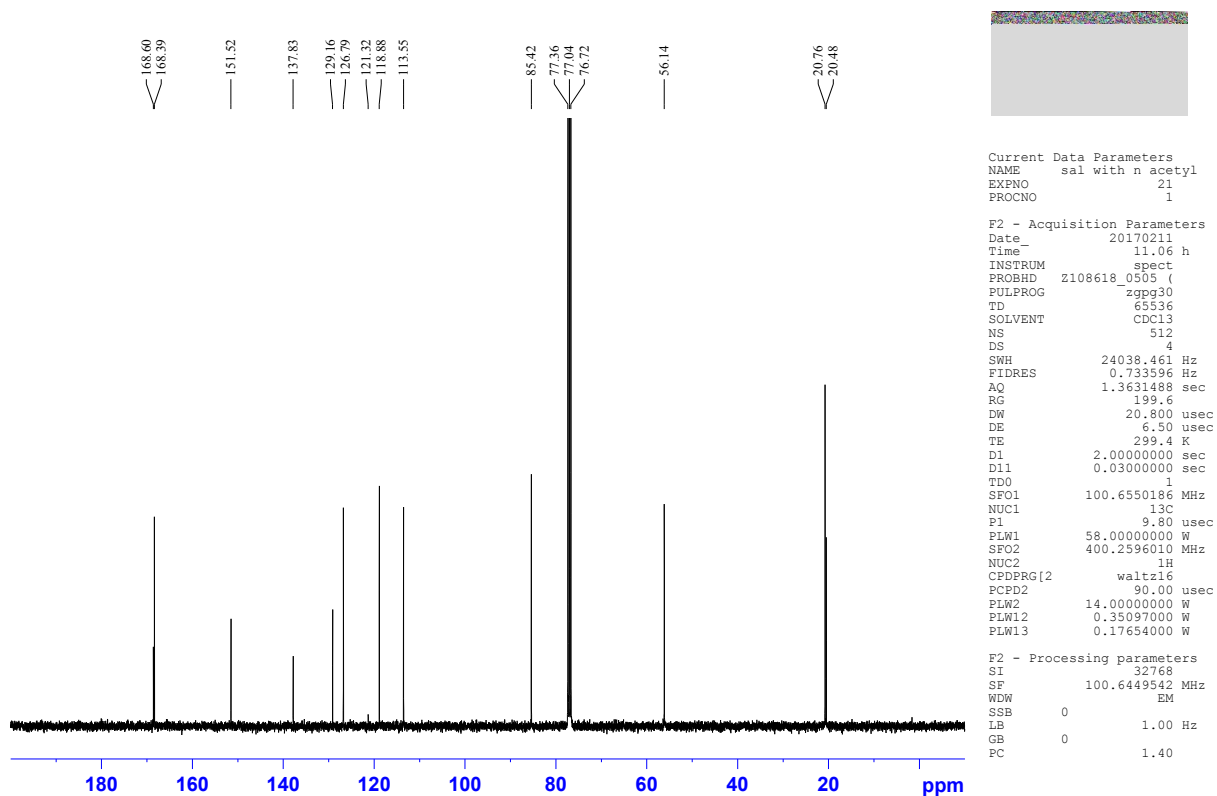
## HR-MS Data of Probe-3



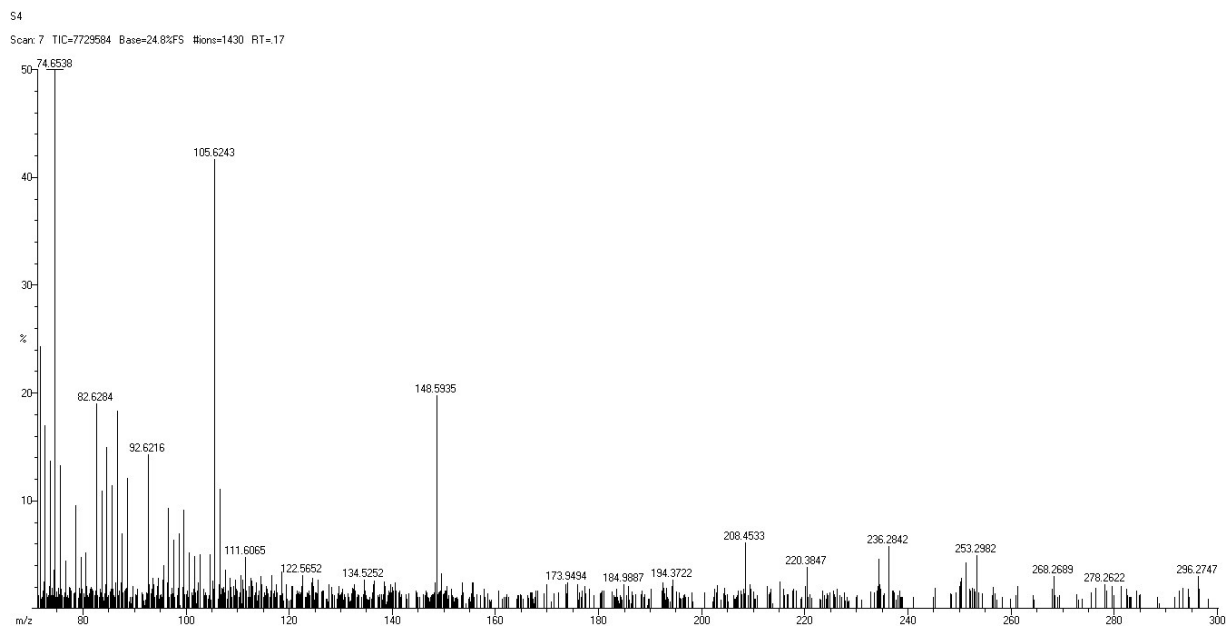
## <sup>1</sup>H-NMR of Probe-4



## <sup>13</sup>C-NMR of Probe-4



## HR-MS Data of Probe-4



## HR-MS Data of proposed intermediate (Compound 5)

S5

Scan: 4 TIC=7565008 Base=26.81FS #Ions=1389 RT=.08

