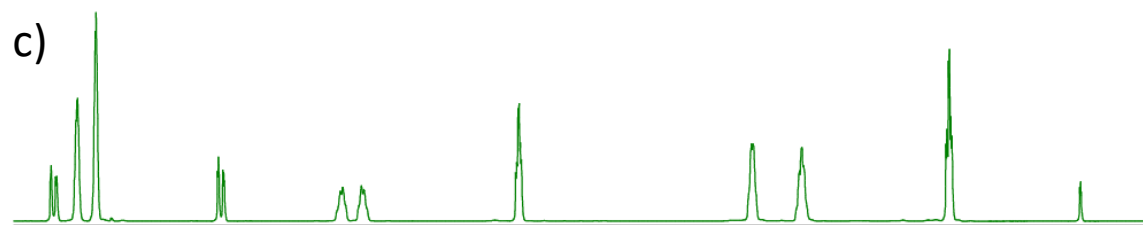
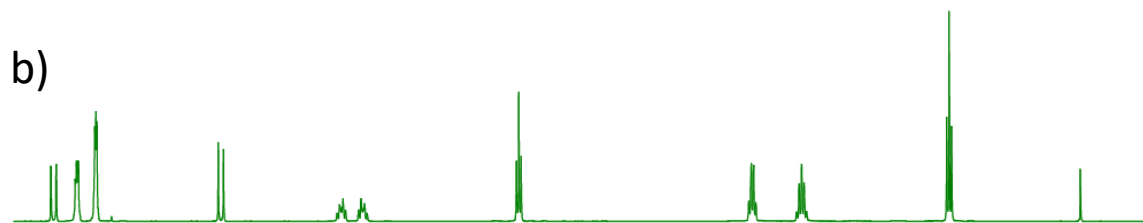
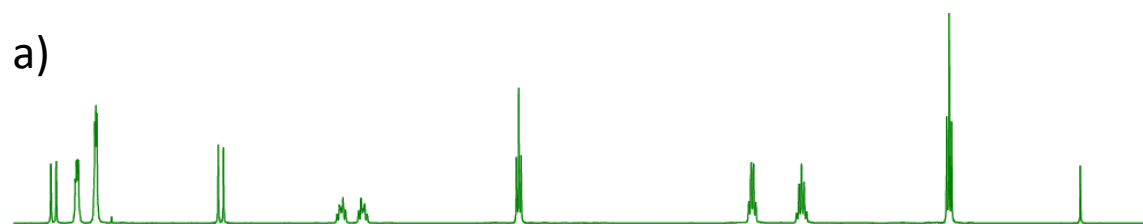


FG offset 偏离调整

FG电源OFFSET位置偏离的影响

offset会影响使用梯度场实验的分辨率，包括1D的扩散实验，NoD实验；
以及大多数2D谱图





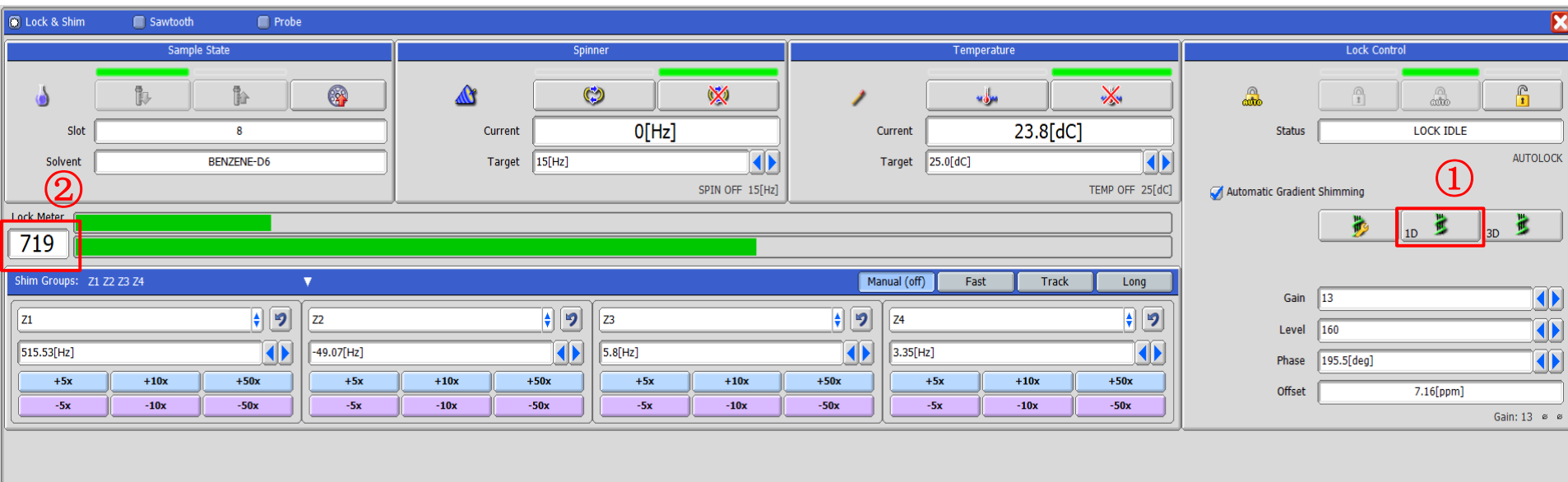
X : ppm : Proton

Sample: CAHE , b),c) bpp_led_dosy_pfg.jxp测定 g:30mT/m

判断FG电源OFFSET位置是否偏离

样品：可用CHCl₃或EB的标样。

1. 点击  Load 进样，点开  Interactive ，打开1D匀场①→记录LOCK强度②。
(样品状态为不旋转)



The screenshot displays the JEOL NMR software interface with the following sections:

- Sample State:** Slot 8, Solvent BENZENE-D6. A red circle ② highlights the Lock Meter value of 719.
- Spinner:** Current 0[Hz], Target 15[Hz].
- Temperature:** Current 23.8[dC], Target 25.0[dC].
- Lock Control:** Status LOCK IDLE. A red circle ① highlights the 1D field homogeneity icon.
- Shim Groups:** Z1 (515.53[Hz]), Z2 (-49.07[Hz]), Z3 (5.8[Hz]), Z4 (3.35[Hz]).

2. 选择COSY实验，把Pulse参数里的grad_1_amp(PFG强度) 改成 0T/m。
3. 提交测定，观察LOCK强度是否变化。

The screenshot displays the JEOL PulsePlus software interface. The main window is titled 'Experiment Parameters' and is divided into several tabs: 'Header', 'Instrument', 'Acquisition', 'Pulse', 'Diagram', and 'Favorites'. The 'Pulse' tab is currently selected. The 'Pulse Field Gradient' section is expanded, showing the following parameters:

- repetition_time: 1.67076[s]
- grad_selection: 1:1
- grad_1: 1[ms]
- grad_1_amp: 0[T/m]** (highlighted with a red box)
- grad_2: 1[ms] grad_1
- grad_2_amp: 0[T/m] grad_1_amp
- grad_shape_type: SINE
- grad_recover: 0.1[ms]

The 'Job' panel on the right side of the interface shows the current job configuration:

- Open Jobs: ¹H, ¹³C, DEPT
- CHCl₃: 0h 08m
- COSY: 0h 08m

At the top of the interface, there is a status bar with a warning icon and the text: 'Waiting to reach LOCK state 'AUTOLOCK'. Reached Lock State 'AUTOLOCK'. Completed Job '1D Gradient Shimming'.

调整FG电源OFFSET位置

4. 如果LOCK强度比测定前小，需要调节FG电源，使LOCK值达到测定前数值。

