

**Results of full automatic measurements for human blood serum** All the measurements, incorporating solvent signal suppression, are automatically set up and accomplished.

		2	<u></u>
Filename:	[		
Comment:	[		
Slot:	<b>I</b>	Sample Status	EJECTED
Temp. Set:	25[dC]	Curr. Temp.	O[dC]
Temp. State:	TEMP OFF	Lock Status	OFF
Solvent:	NO SOLVENT P-DIOXANE-D8 PYRIDINE-D5 TETRACHLOROE	THANE-D2	
Notify:	[		01
— metabonom	ics.auto2	Single P	- Remove -
T2 filter		J-resolved	
Diff	usion filter		

<u>Upper left</u>: <sup>1</sup>H spectrum with solvent signal suppression, where sharp signals and broad signals are overlapped.

<u>Upper right</u>: T<sub>2</sub>-filter spectrum using CPMG technique, where broad signals are filtered out, leaving small molecule components.

Lower left: Diffusion-filter spectrum using BPP-LED technique, where signals having large diffusion coefficients are filtered out, leaving large molecule components.

<u>Lower right</u>: Summation spectrum of J-resolved 2D spectrum, where J couplings are removed, simplifying the spectrum.

## Interface for full automatic measurements (Left)

Template for the above four measurements, which are specified by COMET (COnsortium for MEtabonomic Toxicology) project\* and can also be customized on request.

\* J. C. Lindon et al., Toxicology and Applied Pharmacology, 187, (2003) 137-146.

http://www.jeol.co.jp

Copyright © 2011 JEOL RESONANCE Inc.

