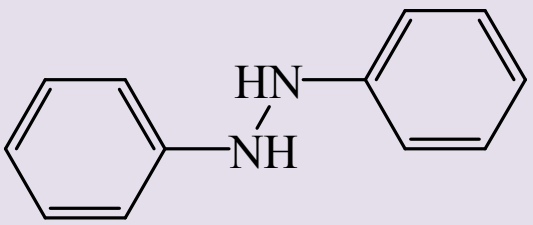
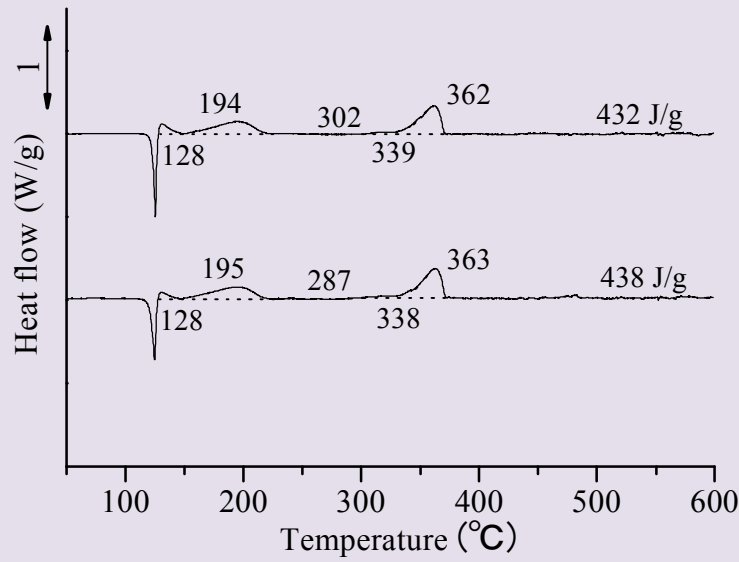
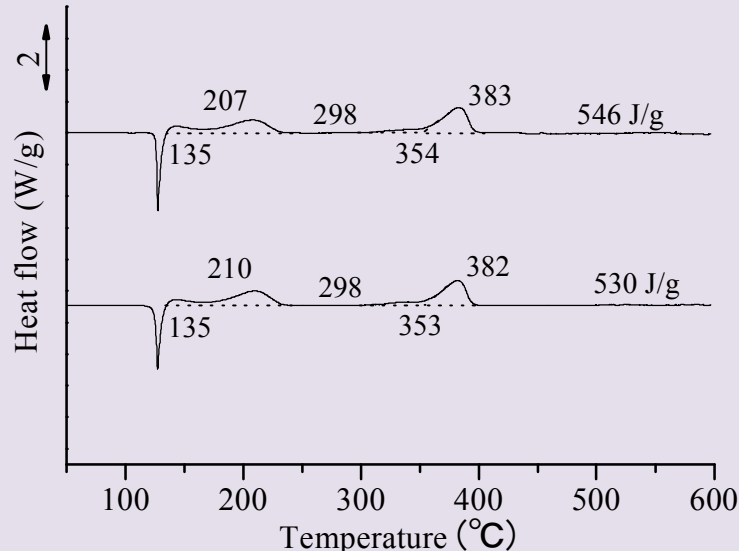
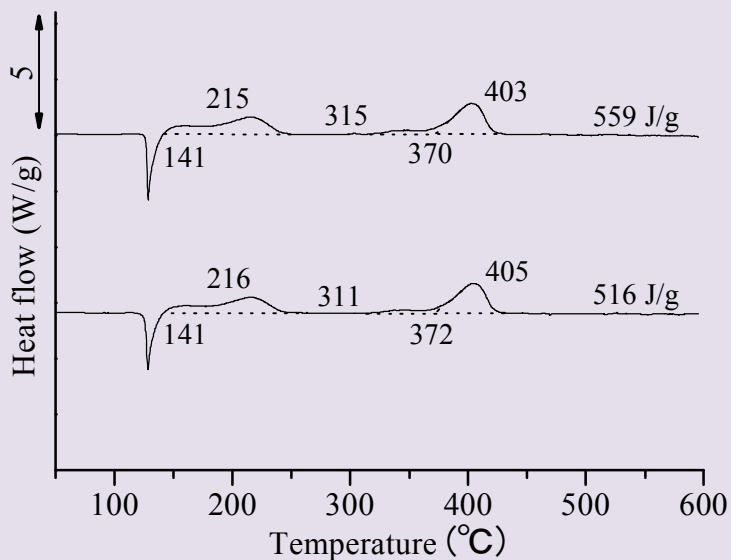


Hydrazobenzene	$C_6H_5NHNHC_6H_5$ HB										
	DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: Wako (> 97.0%)										
a) 2 K/min Wako: 和光純薬工業株式会社											
 <table border="1" data-bbox="1029 896 1340 1164"> <thead> <tr> <th colspan="2">< Average ></th> </tr> </thead> <tbody> <tr> <td>T_a:</td> <td>128 °C</td> </tr> <tr> <td>T_o:</td> <td>339 °C</td> </tr> <tr> <td>T_{top}:</td> <td>363 °C</td> </tr> <tr> <td>Q_{DSC}:</td> <td>435 J/g</td> </tr> </tbody> </table>		< Average >		T_a :	128 °C	T_o :	339 °C	T_{top} :	363 °C	Q_{DSC} :	435 J/g
< Average >											
T_a :	128 °C										
T_o :	339 °C										
T_{top} :	363 °C										
Q_{DSC} :	435 J/g										
b) 5 K/min											
 <table border="1" data-bbox="1029 1545 1340 1814"> <thead> <tr> <th colspan="2">< Average ></th> </tr> </thead> <tbody> <tr> <td>T_a:</td> <td>125 °C</td> </tr> <tr> <td>T_o:</td> <td>354 °C</td> </tr> <tr> <td>T_{top}:</td> <td>383 °C</td> </tr> <tr> <td>Q_{DSC}:</td> <td>538 J/g</td> </tr> </tbody> </table>		< Average >		T_a :	125 °C	T_o :	354 °C	T_{top} :	383 °C	Q_{DSC} :	538 J/g
< Average >											
T_a :	125 °C										
T_o :	354 °C										
T_{top} :	383 °C										
Q_{DSC} :	538 J/g										

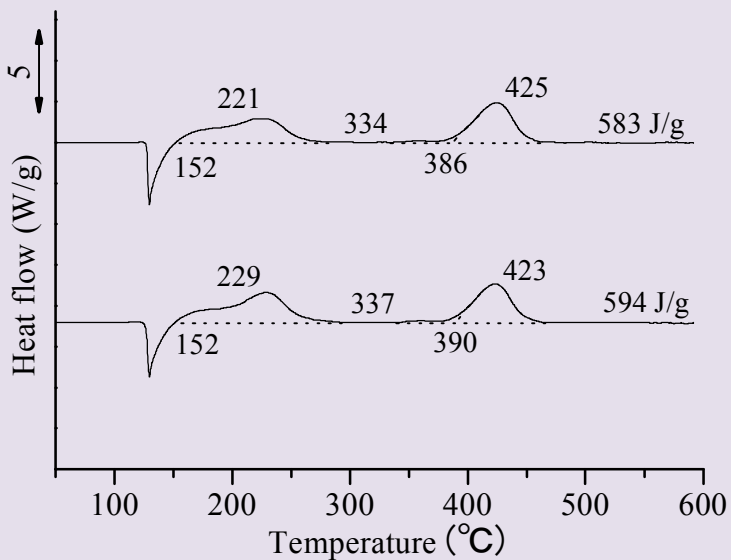
c) 10 K/min



< Average >

T_a : 141 °C
 T_o : 371 °C
 T_{top} : 404 °C
 Q_{DSC} : 538 J/g

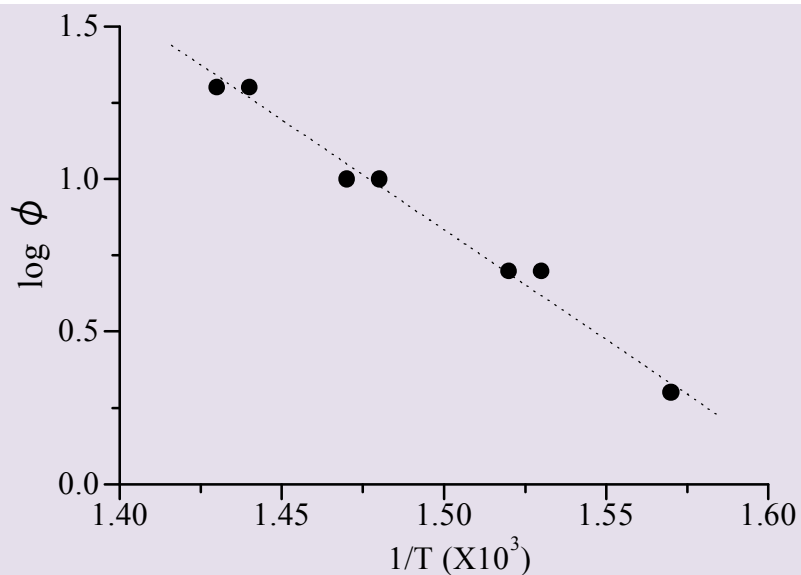
d) 20 K/min



< Average >

T_a : 152 °C
 T_o : 388 °C
 T_{top} : 424 °C
 Q_{DSC} : 589 J/g

ASTM PLOT



Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	362	635	1.57	0.301
	363	636	1.57	0.301
5	383	656	1.52	0.699
	382	655	1.53	0.699
10	403	676	1.48	1.00
	405	678	1.47	1.00
20	425	698	1.43	1.30
	423	696	1.44	1.30