Supplementary Information

Static Combinatorial Chemistry: a High Pressure Approach to the Synthesis of Macrocyclic Benzoamide Libraries

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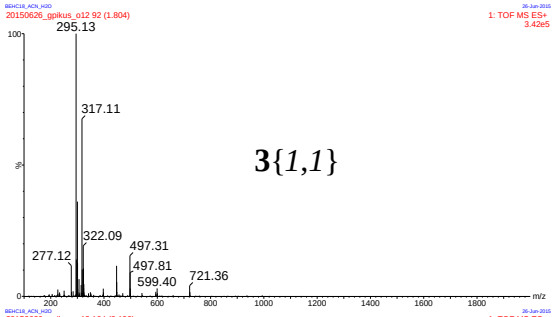
1. High-Pressure Equipment

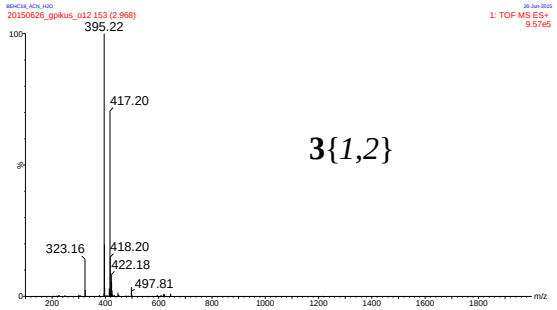
The high-pressure apparatus comprises two or more tightly fitted steel cylinders (1 and 2) forming a high pressure chamber. The cylindrical high-pressure space is closed from below with a steel stopper (3). All electrical connections (optional: manganine manometer, thermocouple, etc.) can be introduced through a conical electrode (6) placed in the stopper (optional). The internal vessel is closed from above by a mobile piston (4) moved by an independent hydraulic force. The piston and the stopper are sealed with O-rings and brass rings (5). Flexible Teflon® ampoules (7) are used as reaction containers. A typical experiment under high pressure run in the following manner: the reaction mixture should be placed in a tightly closed Teflon® ampoule. Then several at a time should be put in the high-pressure chamber filled with petroleum ether as a transmission liquid, which is compressed by a mobile piston moved by a hydraulic press.

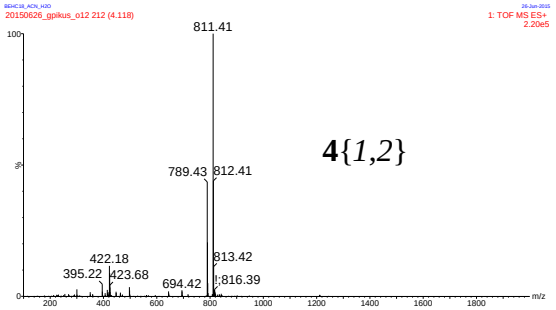
Fig. S1. a) Teflon® ampoules; b) commercially available high pressure apparatus U101 with a hydraulic press from Unipress (Warsaw, Poland); c): scheme of piston-cylinder high pressure apparatus.

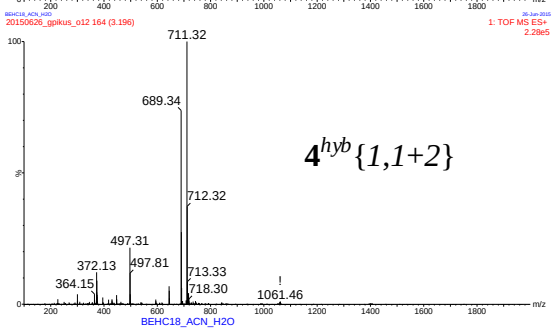
2. UPLC-HRMS Analysis

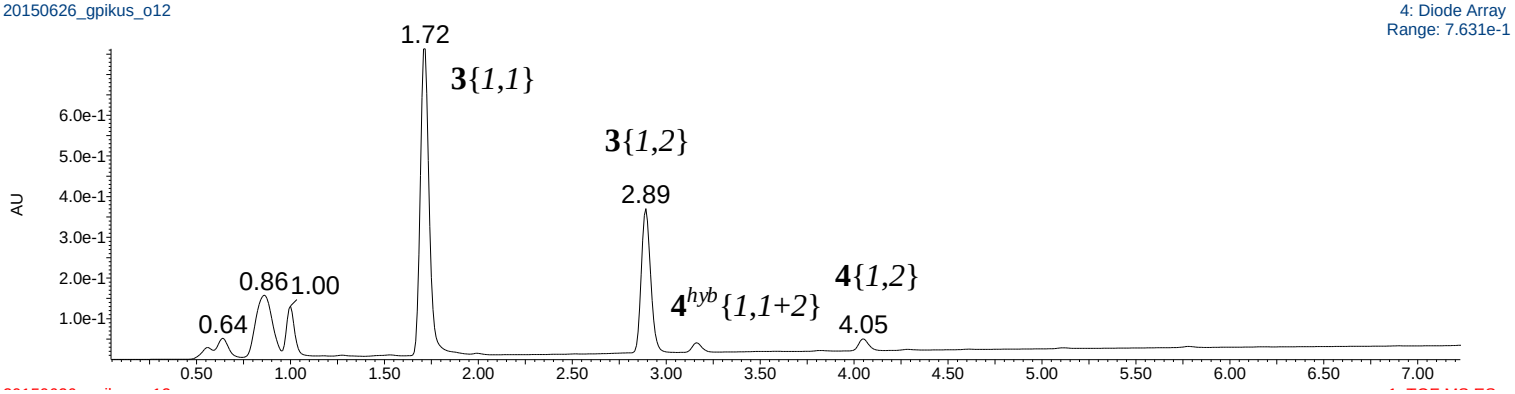
The three-substrate library under atmospheric pressure (**Table 2**, Entry 1)



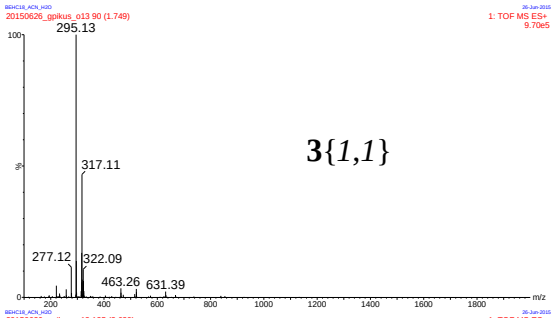


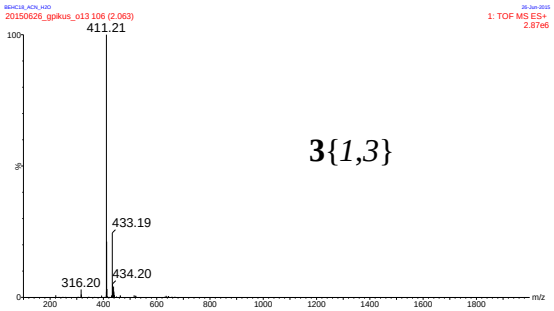


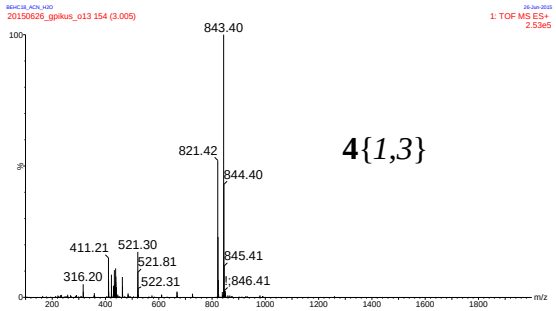


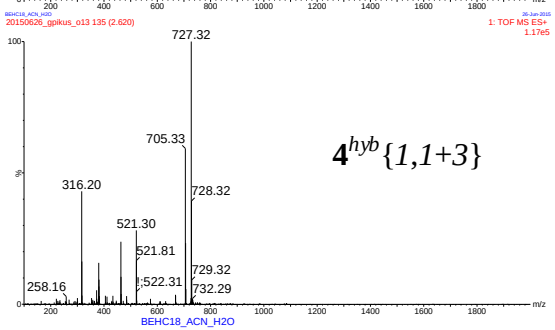


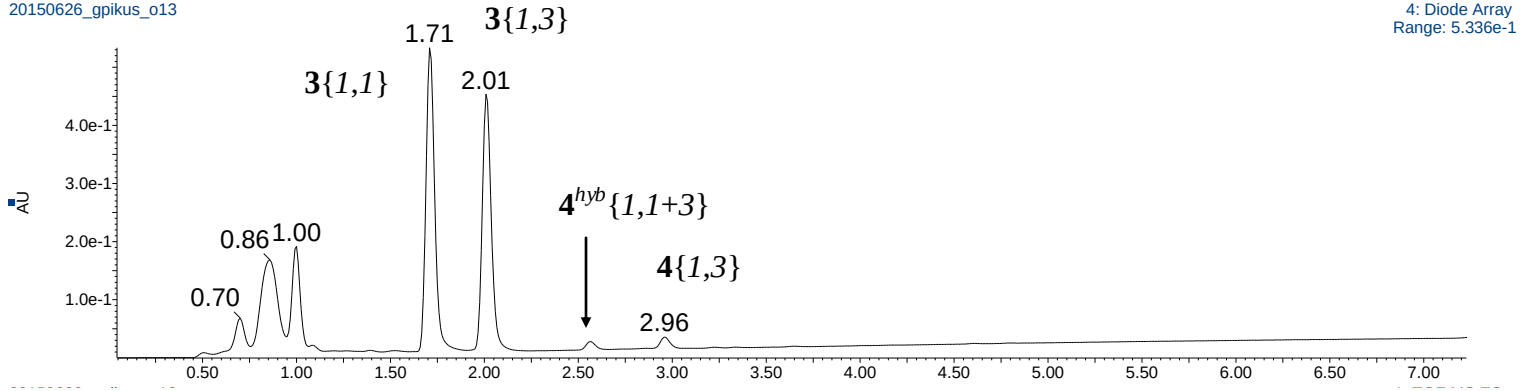
The three-substrate library under atmospheric pressure (**Table 2**, Entry 2)











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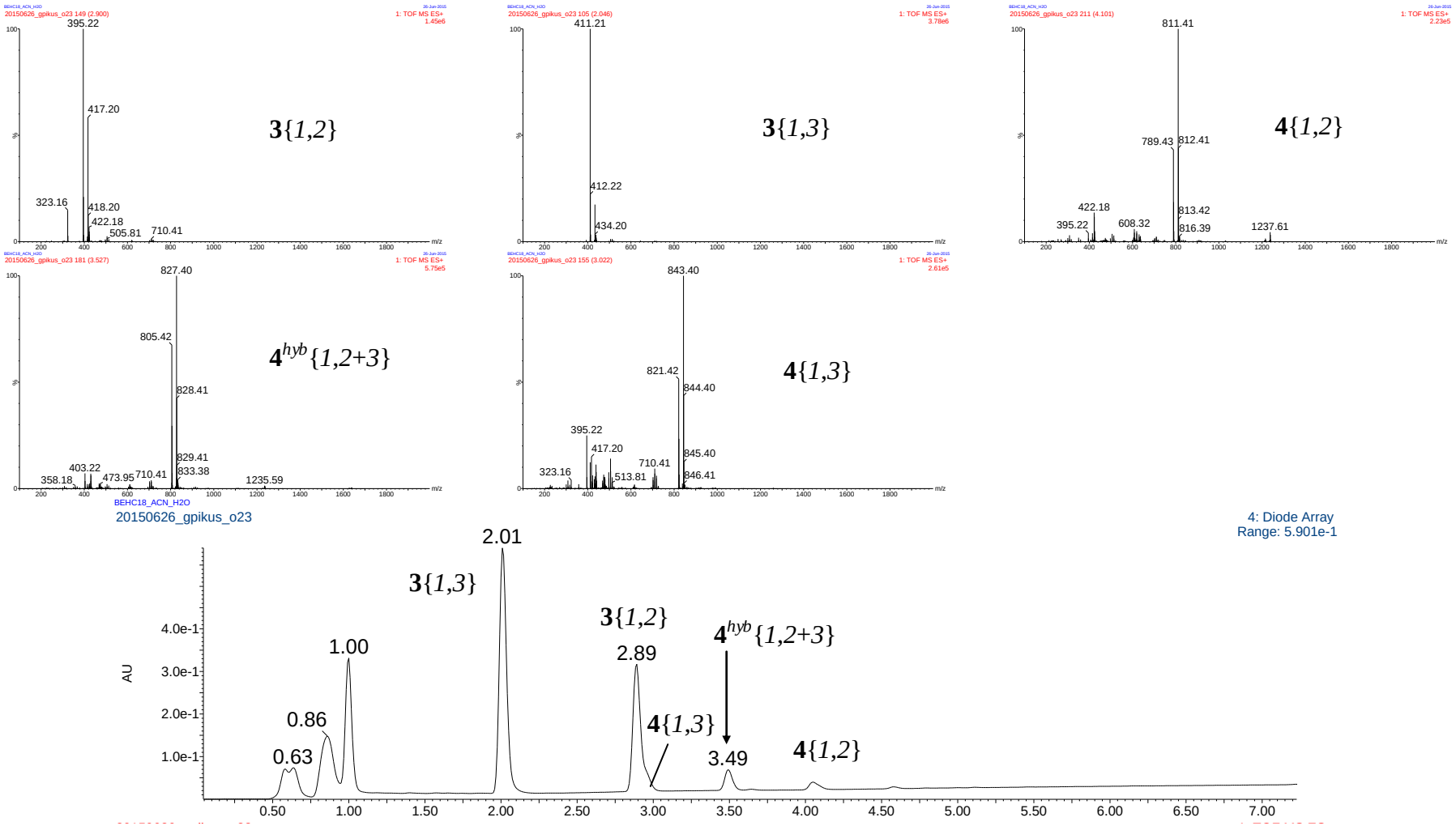

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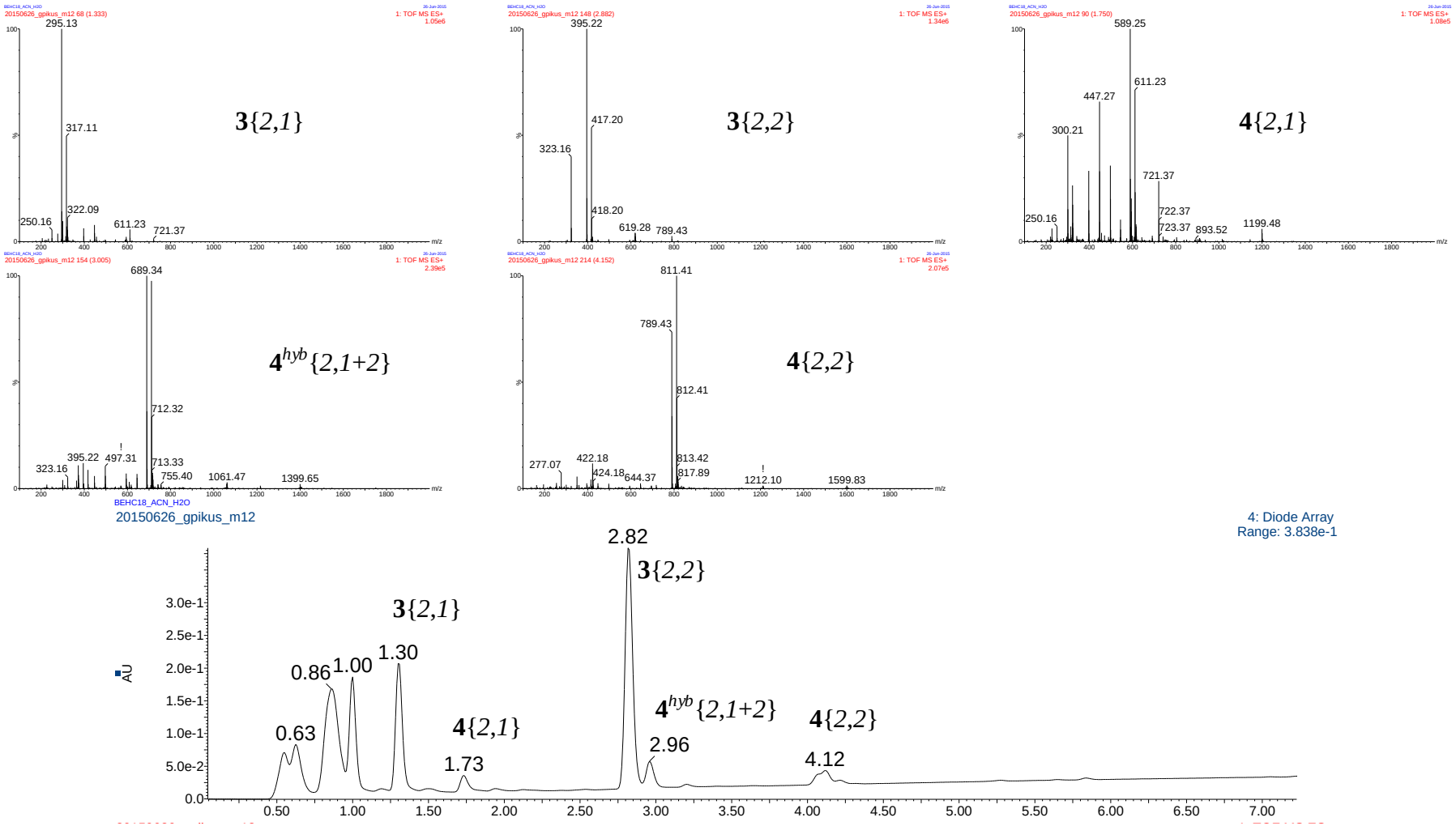

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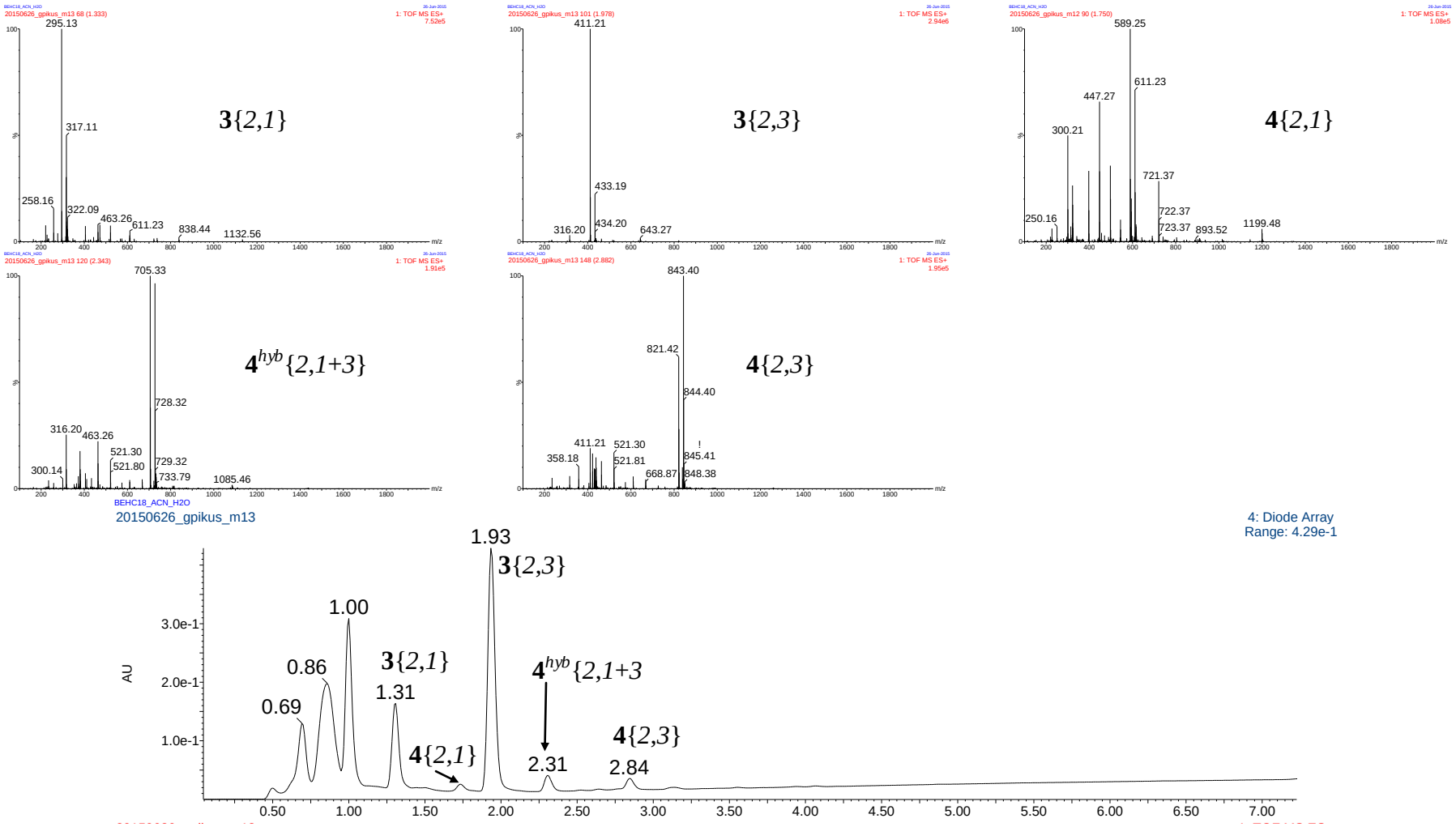

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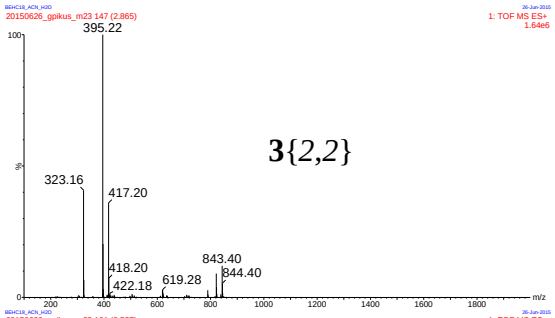

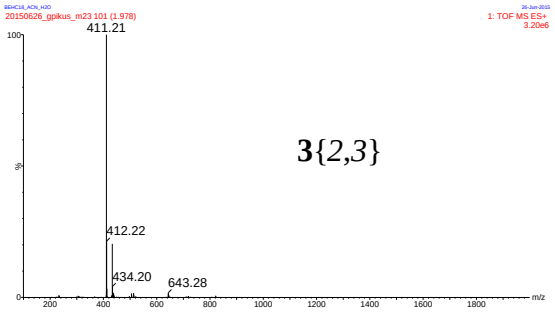

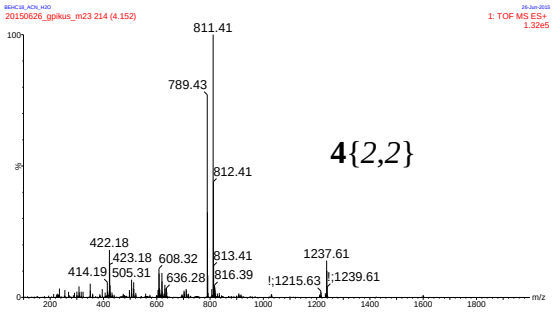

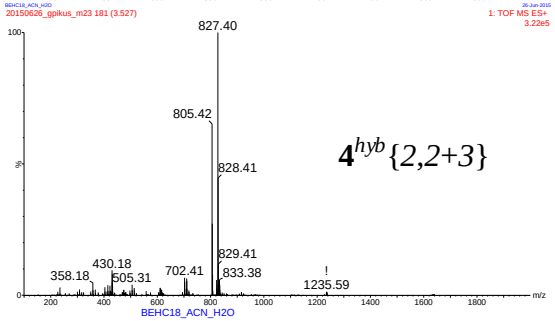

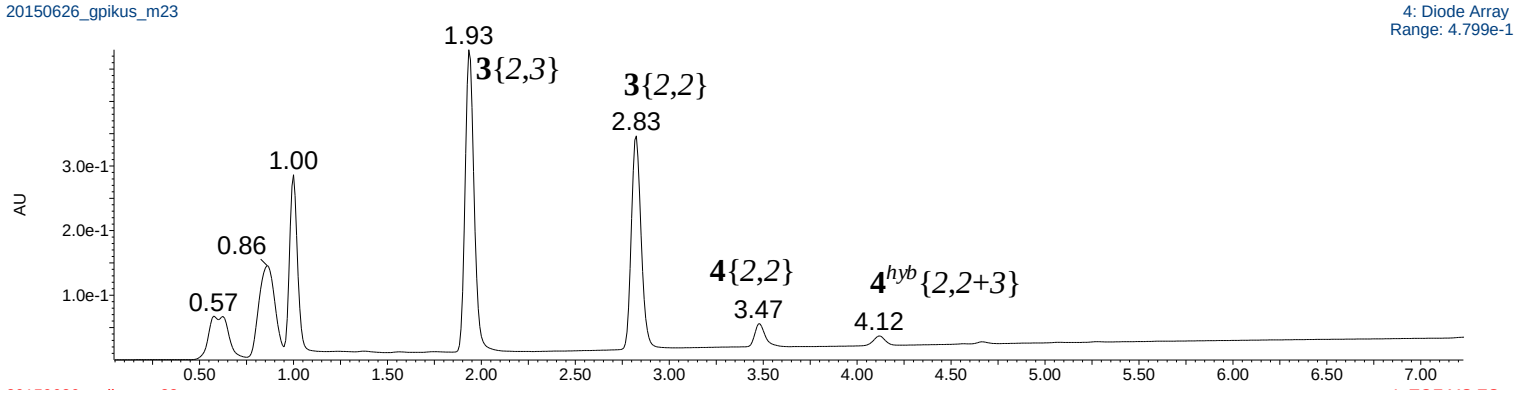

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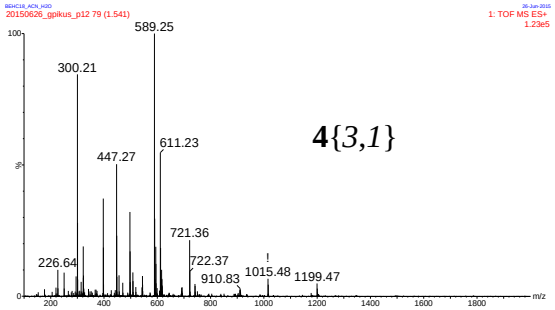

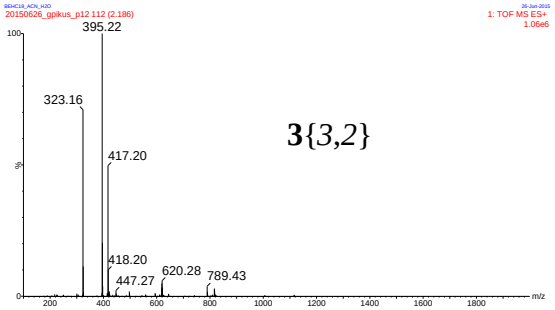

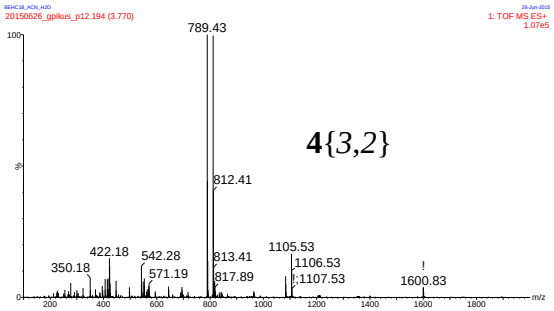

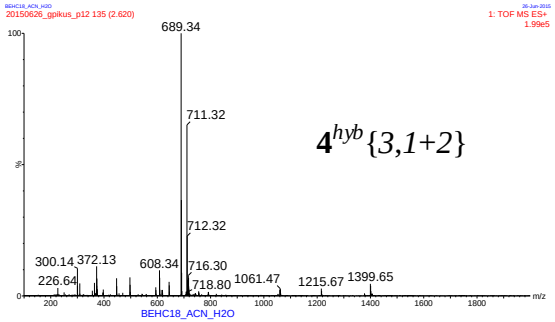

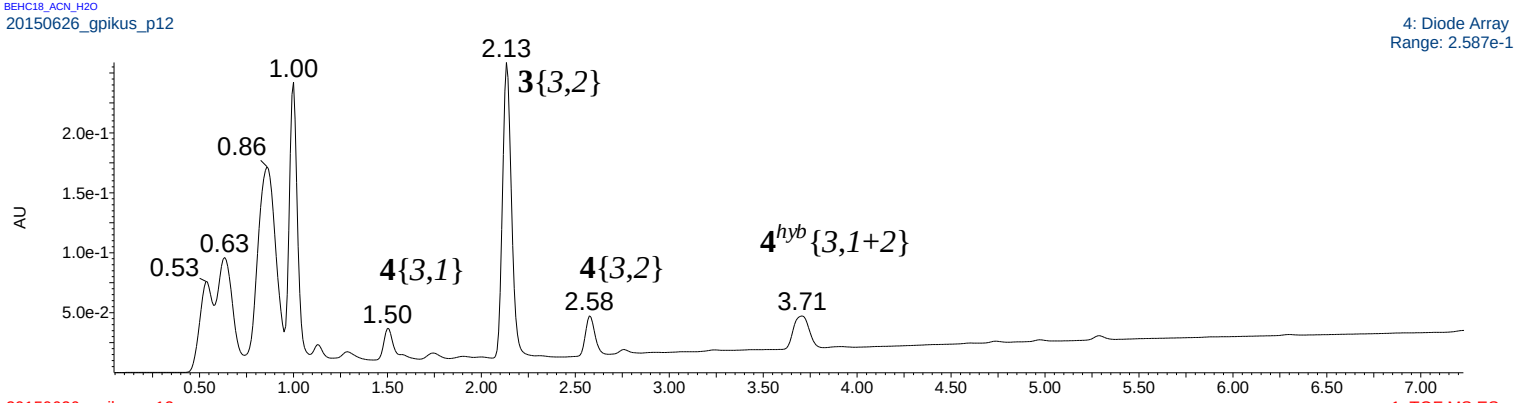

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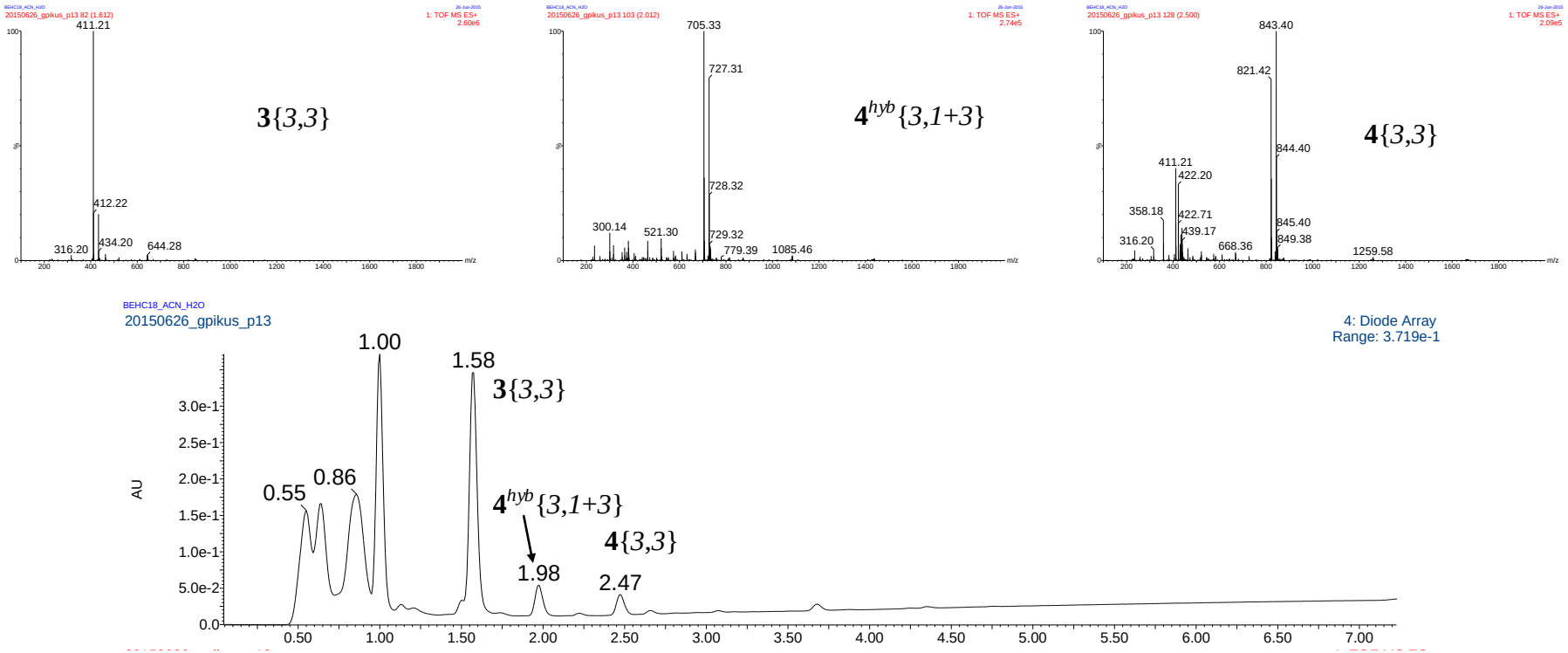

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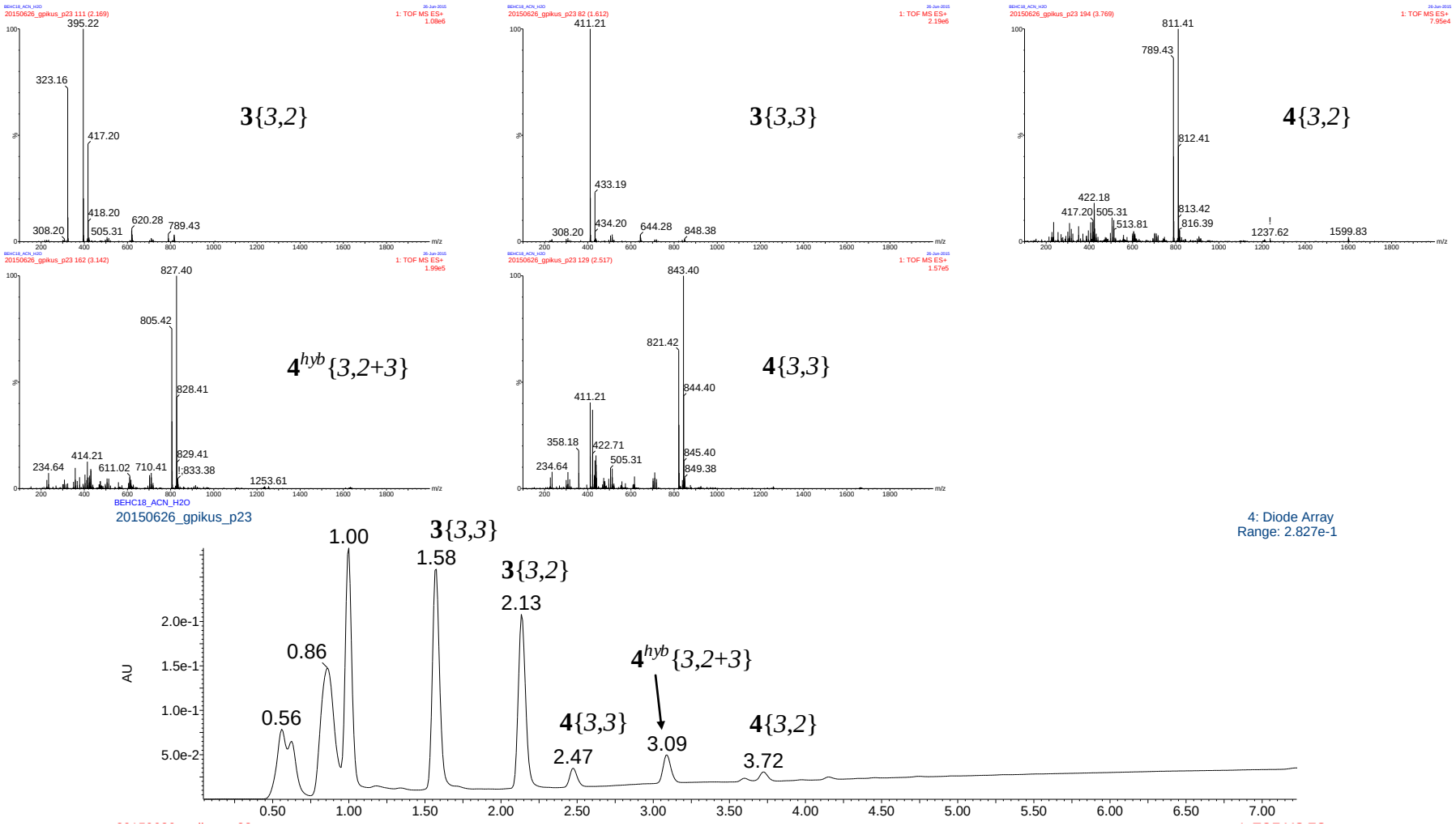

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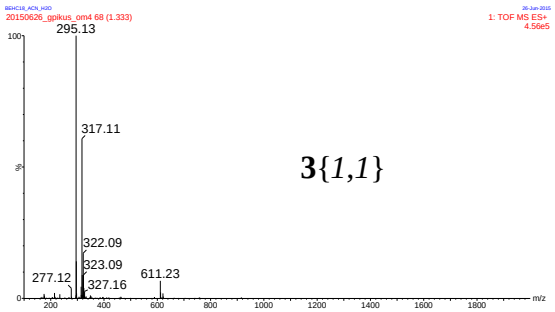

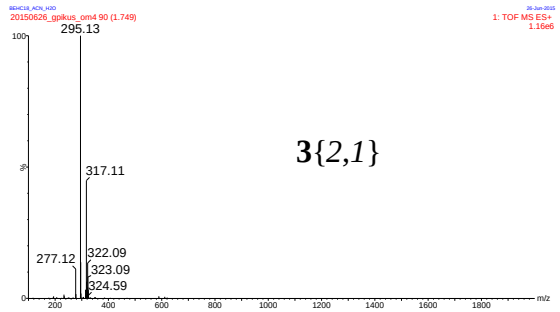

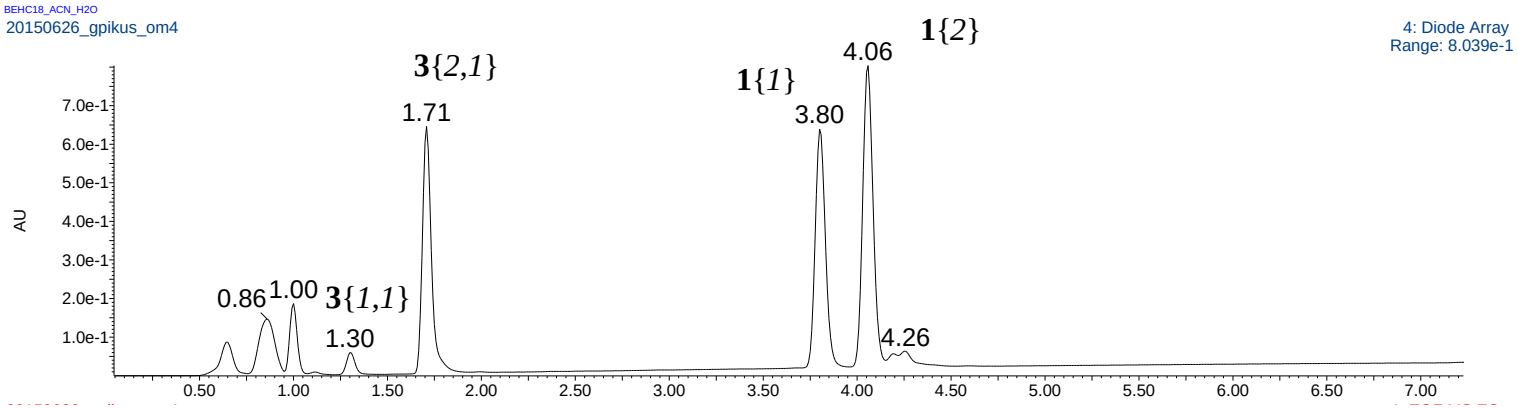

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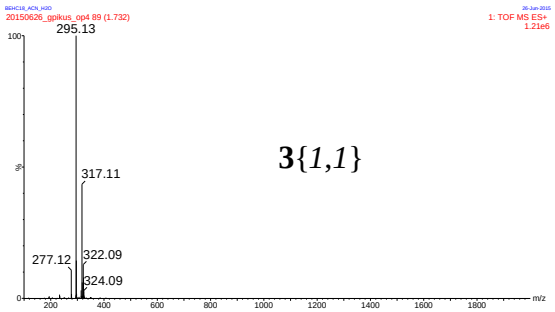

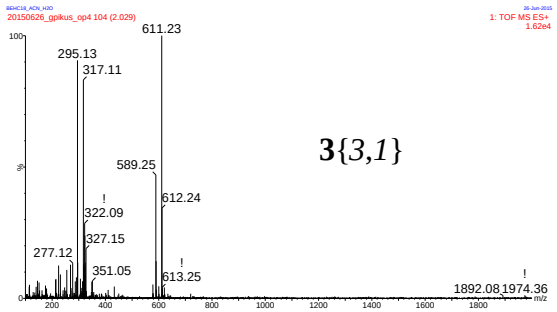

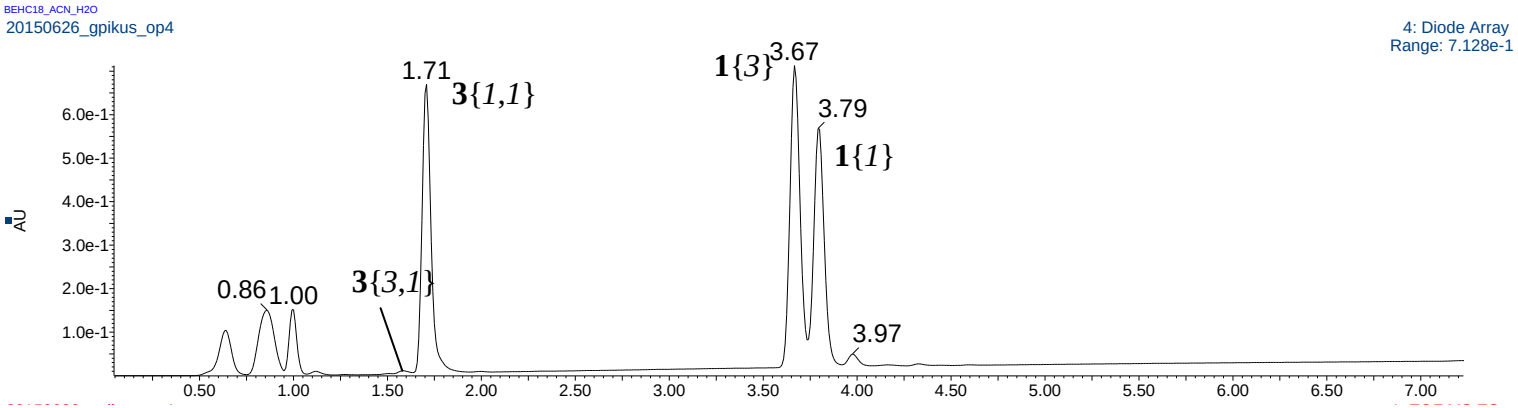
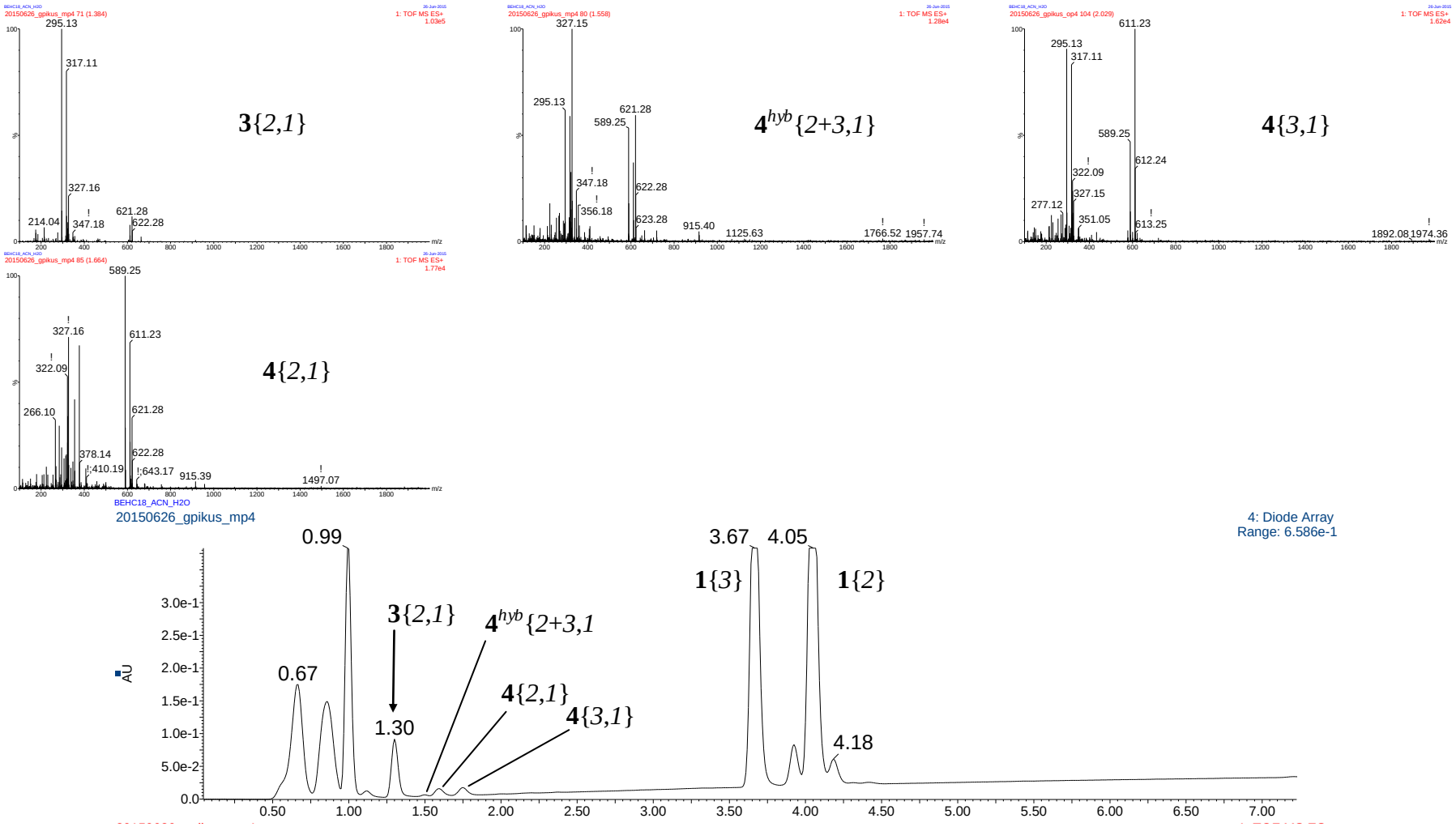
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