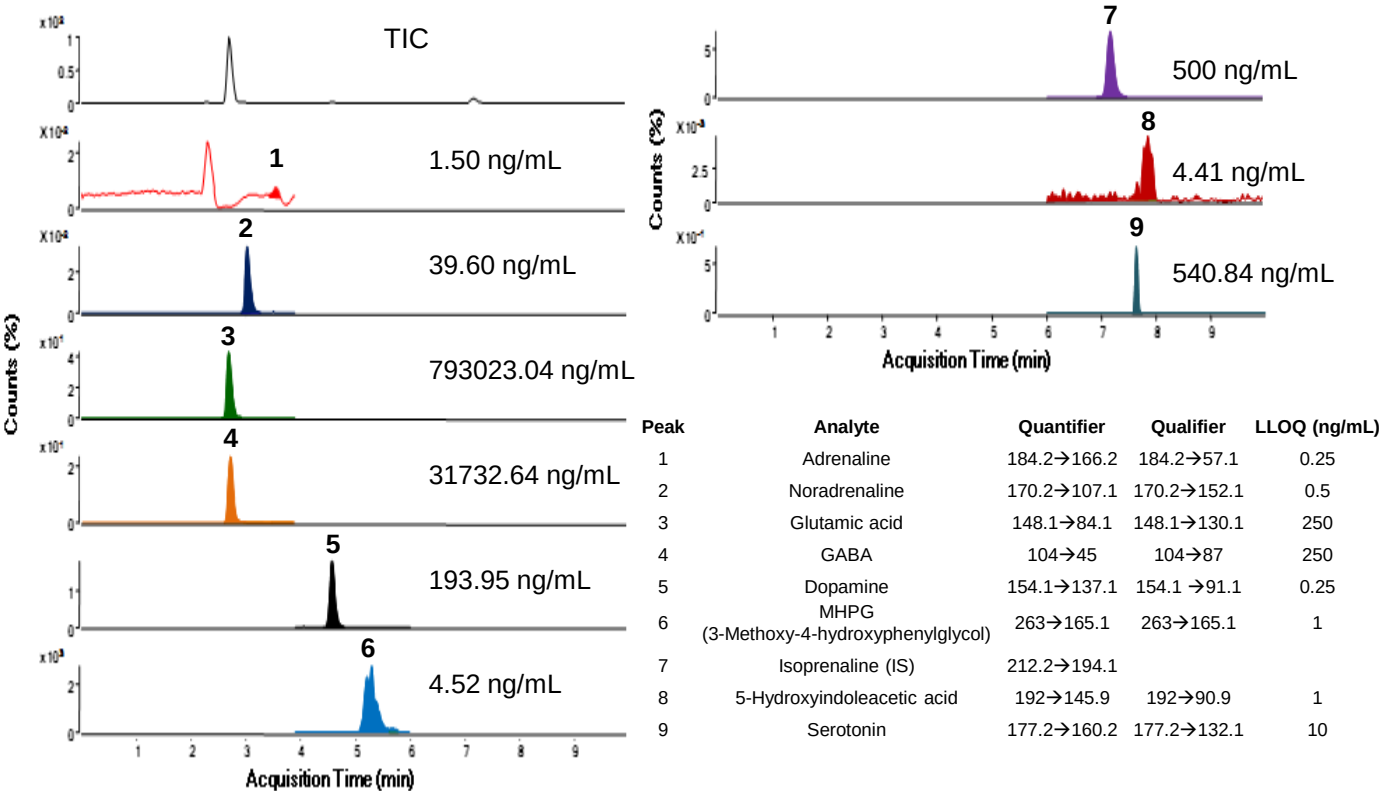


# Neurotransmitters and Metabolites from Rat Brain by LC-MS/MS

Application #AN3870

| Conditions    |                                                                                                                                                                                                                                           |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----|---|---|---|---|---|----|---|----|----|---|----|---|
| Column:       | ACE 3 C18-PFP                                                                                                                                                                                                                             |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| Dimensions:   | 150 x 4.6 mm                                                                                                                                                                                                                              |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| Part Number:  | ACE-1110-1546                                                                                                                                                                                                                             |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| Mobile Phase: | A: 0.2% formic acid in H <sub>2</sub> O<br>B: MeCN                                                                                                                                                                                        |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
|               | <table><tr><th>Time (mins)</th><th>%B</th></tr><tr><td>0</td><td>5</td></tr><tr><td>2</td><td>5</td></tr><tr><td>5</td><td>90</td></tr><tr><td>8</td><td>90</td></tr><tr><td>10</td><td>5</td></tr><tr><td>14</td><td>5</td></tr></table> | Time (mins) | %B | 0 | 5 | 2 | 5 | 5 | 90 | 8 | 90 | 10 | 5 | 14 | 5 |
| Time (mins)   | %B                                                                                                                                                                                                                                        |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| 0             | 5                                                                                                                                                                                                                                         |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| 2             | 5                                                                                                                                                                                                                                         |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| 5             | 90                                                                                                                                                                                                                                        |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| 8             | 90                                                                                                                                                                                                                                        |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| 10            | 5                                                                                                                                                                                                                                         |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| 14            | 5                                                                                                                                                                                                                                         |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| Flow Rate:    | 0.6 mL/min                                                                                                                                                                                                                                |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| Injection:    | 5 µL                                                                                                                                                                                                                                      |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| Temperature:  | 25 °C                                                                                                                                                                                                                                     |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| Detection:    | Agilent 6410 triple quad<br>ESI in positive ion mode (negative ion mode for MHPG)<br>Capillary Voltage: 1950 kV                                                                                                                           |             |    |   |   |   |   |   |    |   |    |    |   |    |   |
| Sample:       | Rat brain samples homogenised in aqueous formic acid, centrifuged and proteins removed by precipitation with acetonitrile                                                                                                                 |             |    |   |   |   |   |   |    |   |    |    |   |    |   |



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