#### **Analyte:** GLY **(**76.0 / 30.0**)**

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| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 2.652e+06 | 2.56 | 375.50000 | 373.893 |
| AA-biao-1nmol/ml | Standard | 5.181e+05 | 2.56 | 75.10000 | 72.686 |
| AA-biao-0.2nmol/ml | Standard | 1.155e+05 | 2.57 | 15.02000 | 15.834 |
| AA-biao-0.04nmol/ml | Standard | 6.456e+05 | 2.56 | 3.00400 | 90.679 |
| AA-biao-0.008nmol/ml | Standard | 1.264e+04 | 2.57 | 0.60080 | 1.317 |
| AA-biao-0.0016nmol/ml | Standard | 1.461e+04 | 2.56 | 0.12016 | 1.596 |
| AA-biao-0.00032nmol/ml | Standard | 1.304e+04 | 2.57 | 0.02403 | 1.373 |
| AA-biao-0.000064nmol/ml | Standard | 9.700e+02 | 2.87 | 0.00481 | < 0 |
| 20240410-1 | Unknown | 1.403e+05 | 2.57 | N/A | 19.337 |
| 20240410-2 | Unknown | 8.416e+05 | 2.58 | N/A | 118.349 |
| 20240410-3 | Unknown | 3.077e+04 | 2.58 | N/A | 3.877 |

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| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.55) min | | | [Calculated Conc]: | 373.893 ng/ml | | | Area: | 2.652e6 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.55) min | | | [Calculated Conc]: | 72.686 ng/ml | | | Area: | 5.181e5 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.57 (2.55) min | | | [Calculated Conc]: | 15.834 ng/ml | | | Area: | 1.155e5 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.55) min | | | [Calculated Conc]: | 90.679 ng/ml | | | Area: | 6.456e5 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.57 (2.55) min | | | [Calculated Conc]: | 1.317 ng/ml | | | Area: | 1.264e4 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.55) min | | | [Calculated Conc]: | 1.596 ng/ml | | | Area: | 1.461e4 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.57 (2.55) min | | | [Calculated Conc]: | 1.373 ng/ml | | | Area: | 1.304e4 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.87 (2.55) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 9.700e2 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.57 (2.55) min | | | [Calculated Conc]: | 19.337 ng/ml | | | Area: | 1.403e5 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.58 (2.55) min | | | [Calculated Conc]: | 118.349 ng/ml | | | Area: | 8.416e5 |  | | Sample Type: | (Unknown) | | |  |

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| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.58 (2.55) min | | | [Calculated Conc]: | 3.877 ng/ml | | | Area: | 3.077e4 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** ARG **(**175.0 / 116.0**)**

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| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 2.570e+07 | 2.14 | 871.00000 | 918.590 |
| AA-biao-1nmol/ml | Standard | 3.999e+06 | 2.14 | 174.20000 | 142.286 |
| AA-biao-0.2nmol/ml | Standard | 6.835e+05 | 2.14 | 34.84000 | 23.694 |
| AA-biao-0.04nmol/ml | Standard | 1.423e+05 | 2.13 | 6.96800 | 4.334 |
| AA-biao-0.008nmol/ml | Standard | 3.137e+04 | 2.08 | 1.39360 | 0.366 |
| AA-biao-0.0016nmol/ml | Standard | 1.210e+04 | 2.08 | 0.27872 | < 0 |
| AA-biao-0.00032nmol/ml | Standard | 1.189e+04 | 2.08 | 0.05574 | < 0 |
| AA-biao-0.000064nmol/ml | Standard | 2.476e+04 | 2.05 | 0.01115 | 0.130 |
| 20240410-1 | Unknown | 2.275e+07 | 2.17 | N/A | 813.083 |
| 20240410-2 | Unknown | 2.836e+08 | 2.18 | N/A | 10142.488 |
| 20240410-3 | Unknown | 2.253e+06 | 2.17 | N/A | 79.834 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.14 (2.13) min | | | [Calculated Conc]: | 918.590 ng/ml | | | Area: | 2.570e7 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.14 (2.13) min | | | [Calculated Conc]: | 142.286 ng/ml | | | Area: | 3.999e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.14 (2.13) min | | | [Calculated Conc]: | 23.694 ng/ml | | | Area: | 6.835e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.13 (2.13) min | | | [Calculated Conc]: | 4.334 ng/ml | | | Area: | 1.423e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.08 (2.13) min | | | [Calculated Conc]: | 0.366 ng/ml | | | Area: | 3.137e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.08 (2.13) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 1.210e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.08 (2.13) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 1.189e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.05 (2.13) min | | | [Calculated Conc]: | 0.130 ng/ml | | | Area: | 2.476e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.17 (2.13) min | | | [Calculated Conc]: | 813.083 ng/ml | | | Area: | 2.275e7 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.18 (2.13) min | | | [Calculated Conc]: | 10142.488 ng/ml | | | Area: | 2.836e8 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.17 (2.13) min | | | [Calculated Conc]: | 79.834 ng/ml | | | Area: | 2.253e6 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** CYSS2 **(**241.0 / 152.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 1.941e+07 | 2.54 | 720.90000 | 722.922 |
| AA-biao-1nmol/ml | Standard | 3.849e+06 | 2.53 | 144.18000 | 143.348 |
| AA-biao-0.2nmol/ml | Standard | 7.440e+05 | 2.54 | 28.83600 | 27.711 |
| AA-biao-0.04nmol/ml | Standard | 1.570e+05 | 2.54 | 5.76720 | 5.852 |
| AA-biao-0.008nmol/ml | Standard | 2.747e+04 | 2.55 | 1.15344 | 1.030 |
| AA-biao-0.0016nmol/ml | Standard | 5.234e+03 | 2.56 | 0.23069 | 0.202 |
| AA-biao-0.00032nmol/ml | Standard | 1.038e+03 | 2.50 | 0.04614 | 0.046 |
| AA-biao-0.000064nmol/ml | Standard | 1.311e+02 | 2.56 | 0.00923 | 0.012 |
| 20240410-1 | Unknown | 7.022e+02 | 2.48 | N/A | 0.033 |
| 20240410-2 | Unknown | 5.834e+04 | 2.54 | N/A | 2.179 |
| 20240410-3 | Unknown | 3.605e+03 | 2.53 | N/A | 0.141 |

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| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.54 (2.52) min | | | [Calculated Conc]: | 722.922 ng/ml | | | Area: | 1.941e7 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.53 (2.52) min | | | [Calculated Conc]: | 143.348 ng/ml | | | Area: | 3.849e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.54 (2.52) min | | | [Calculated Conc]: | 27.711 ng/ml | | | Area: | 7.440e5 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.54 (2.52) min | | | [Calculated Conc]: | 5.852 ng/ml | | | Area: | 1.570e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.55 (2.52) min | | | [Calculated Conc]: | 1.030 ng/ml | | | Area: | 2.747e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.52) min | | | [Calculated Conc]: | 0.202 ng/ml | | | Area: | 5.234e3 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.50 (2.52) min | | | [Calculated Conc]: | 0.046 ng/ml | | | Area: | 1.038e3 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.52) min | | | [Calculated Conc]: | 0.012 ng/ml | | | Area: | 1.311e2 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.48 (2.52) min | | | [Calculated Conc]: | 0.033 ng/ml | | | Area: | 7.022e2 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.54 (2.52) min | | | [Calculated Conc]: | 2.179 ng/ml | | | Area: | 5.834e4 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.53 (2.52) min | | | [Calculated Conc]: | 0.141 ng/ml | | | Area: | 3.605e3 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** GLU **(**148.0 / 102.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 1.332e+07 | 2.64 | 735.50000 | 755.079 |
| AA-biao-1nmol/ml | Standard | 2.337e+06 | 2.64 | 147.10000 | 132.364 |
| AA-biao-0.2nmol/ml | Standard | 4.374e+05 | 2.65 | 29.42000 | 24.667 |
| AA-biao-0.04nmol/ml | Standard | 9.507e+04 | 2.64 | 5.88400 | 5.262 |
| AA-biao-0.008nmol/ml | Standard | 2.857e+04 | 2.65 | 1.17680 | 1.492 |
| AA-biao-0.0016nmol/ml | Standard | 9.484e+03 | 2.64 | 0.23536 | 0.410 |
| AA-biao-0.00032nmol/ml | Standard | 4.175e+03 | 2.62 | 0.04707 | 0.109 |
| AA-biao-0.000064nmol/ml | Standard | 2.097e+03 | 2.67 | 0.00941 | < 0 |
| 20240410-1 | Unknown | 3.578e+06 | 2.64 | N/A | 202.719 |
| 20240410-2 | Unknown | 4.860e+07 | 2.64 | N/A | 2755.175 |
| 20240410-3 | Unknown | 3.322e+05 | 2.64 | N/A | 18.703 |

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| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.64 (2.64) min | | | [Calculated Conc]: | 755.079 ng/ml | | | Area: | 1.332e7 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.64 (2.64) min | | | [Calculated Conc]: | 132.364 ng/ml | | | Area: | 2.337e6 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.65 (2.65) min | | | [Calculated Conc]: | 24.667 ng/ml | | | Area: | 4.374e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.64 (2.64) min | | | [Calculated Conc]: | 5.262 ng/ml | | | Area: | 9.507e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.65 (2.65) min | | | [Calculated Conc]: | 1.492 ng/ml | | | Area: | 2.857e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.64 (2.64) min | | | [Calculated Conc]: | 0.410 ng/ml | | | Area: | 9.484e3 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.62 (2.62) min | | | [Calculated Conc]: | 0.109 ng/ml | | | Area: | 4.175e3 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.67 (2.67) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 2.097e3 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.64 (2.64) min | | | [Calculated Conc]: | 202.719 ng/ml | | | Area: | 3.578e6 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.64 (2.64) min | | | [Calculated Conc]: | 2755.175 ng/ml | | | Area: | 4.860e7 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.64 (2.64) min | | | [Calculated Conc]: | 18.703 ng/ml | | | Area: | 3.322e5 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** HIS **(**156.0 / 110.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 8.007e+07 | 2.16 | 776.00000 | 779.467 |
| AA-biao-1nmol/ml | Standard | 1.595e+07 | 2.16 | 155.20000 | 155.092 |
| AA-biao-0.2nmol/ml | Standard | 2.931e+06 | 2.16 | 31.04000 | 28.329 |
| AA-biao-0.04nmol/ml | Standard | 5.935e+05 | 2.16 | 6.20800 | 5.571 |
| AA-biao-0.008nmol/ml | Standard | 1.326e+05 | 2.17 | 1.24160 | 1.083 |
| AA-biao-0.0016nmol/ml | Standard | 5.444e+04 | 2.14 | 0.24832 | 0.322 |
| AA-biao-0.00032nmol/ml | Standard | 3.606e+04 | 2.15 | 0.04966 | 0.143 |
| AA-biao-0.000064nmol/ml | Standard | 2.054e+04 | 2.14 | 0.00993 | < 0 |
| 20240410-1 | Unknown | 1.388e+07 | 2.18 | N/A | 134.983 |
| 20240410-2 | Unknown | 1.882e+08 | 2.18 | N/A | 1832.415 |
| 20240410-3 | Unknown | 1.485e+06 | 2.18 | N/A | 14.252 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.16 (2.16) min | | | [Calculated Conc]: | 779.467 ng/ml | | | Area: | 8.007e7 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.16 (2.16) min | | | [Calculated Conc]: | 155.092 ng/ml | | | Area: | 1.595e7 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.16 (2.16) min | | | [Calculated Conc]: | 28.329 ng/ml | | | Area: | 2.931e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.16 (2.16) min | | | [Calculated Conc]: | 5.571 ng/ml | | | Area: | 5.935e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.17 (2.16) min | | | [Calculated Conc]: | 1.083 ng/ml | | | Area: | 1.326e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.14 (2.16) min | | | [Calculated Conc]: | 0.322 ng/ml | | | Area: | 5.444e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.15 (2.16) min | | | [Calculated Conc]: | 0.143 ng/ml | | | Area: | 3.606e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.14 (2.16) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 2.054e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.18 (2.16) min | | | [Calculated Conc]: | 134.983 ng/ml | | | Area: | 1.388e7 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.18 (2.16) min | | | [Calculated Conc]: | 1832.415 ng/ml | | | Area: | 1.882e8 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.18 (2.16) min | | | [Calculated Conc]: | 14.252 ng/ml | | | Area: | 1.485e6 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** ILE **(**132.0 / 86.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 1.806e+08 | 2.77 | 656.00000 | 609.278 |
| AA-biao-1nmol/ml | Standard | 5.018e+07 | 2.76 | 131.20000 | 169.024 |
| AA-biao-0.2nmol/ml | Standard | 9.987e+06 | 2.77 | 26.24000 | 33.350 |
| AA-biao-0.04nmol/ml | Standard | 2.086e+06 | 2.76 | 5.24800 | 6.679 |
| AA-biao-0.008nmol/ml | Standard | 4.768e+05 | 2.77 | 1.04960 | 1.247 |
| AA-biao-0.0016nmol/ml | Standard | 2.080e+05 | 2.77 | 0.20992 | 0.340 |
| AA-biao-0.00032nmol/ml | Standard | 1.353e+05 | 2.76 | 0.04198 | 0.095 |
| AA-biao-0.000064nmol/ml | Standard | 1.027e+05 | 2.78 | 0.00840 | < 0 |
| 20240410-1 | Unknown | 6.341e+06 | 2.79 | N/A | 21.040 |
| 20240410-2 | Unknown | 9.768e+07 | 2.87 | N/A | 329.346 |
| 20240410-3 | Unknown | 8.913e+05 | 2.79 | N/A | 2.647 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.77 (2.77) min | | | [Calculated Conc]: | 609.278 ng/ml | | | Area: | 1.806e8 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.76 (2.77) min | | | [Calculated Conc]: | 169.024 ng/ml | | | Area: | 5.018e7 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.77 (2.77) min | | | [Calculated Conc]: | 33.350 ng/ml | | | Area: | 9.987e6 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.76 (2.77) min | | | [Calculated Conc]: | 6.679 ng/ml | | | Area: | 2.086e6 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.77 (2.77) min | | | [Calculated Conc]: | 1.247 ng/ml | | | Area: | 4.768e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.77 (2.77) min | | | [Calculated Conc]: | 0.340 ng/ml | | | Area: | 2.080e5 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.76 (2.77) min | | | [Calculated Conc]: | 0.095 ng/ml | | | Area: | 1.353e5 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.78 (2.77) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 1.027e5 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.79 (2.77) min | | | [Calculated Conc]: | 21.040 ng/ml | | | Area: | 6.341e6 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.87 (2.77) min | | | [Calculated Conc]: | 329.346 ng/ml | | | Area: | 9.768e7 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.79 (2.77) min | | | [Calculated Conc]: | 2.647 ng/ml | | | Area: | 8.913e5 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** LYS **(**147.0 / 130.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 3.505e+07 | 2.14 | 731.00000 | 750.686 |
| AA-biao-1nmol/ml | Standard | 6.276e+06 | 2.13 | 146.20000 | 134.132 |
| AA-biao-0.2nmol/ml | Standard | 1.134e+06 | 2.14 | 29.24000 | 23.947 |
| AA-biao-0.04nmol/ml | Standard | 2.208e+05 | 2.13 | 5.84800 | 4.373 |
| AA-biao-0.008nmol/ml | Standard | 4.298e+04 | 2.14 | 1.16960 | 0.562 |
| AA-biao-0.0016nmol/ml | Standard | 1.709e+04 | 2.13 | 0.23392 | 0.008 |
| AA-biao-0.00032nmol/ml | Standard | 1.688e+04 | 2.11 | 0.04678 | 0.003 |
| AA-biao-0.000064nmol/ml | Standard | 1.844e+04 | 2.10 | 0.00936 | 0.037 |
| 20240410-1 | Unknown | 1.159e+06 | 2.15 | N/A | 24.478 |
| 20240410-2 | Unknown | 1.584e+07 | 2.14 | N/A | 339.012 |
| 20240410-3 | Unknown | 9.808e+04 | 2.15 | N/A | 1.743 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.14 (2.11) min | | | [Calculated Conc]: | 750.686 ng/ml | | | Area: | 3.505e7 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.13 (2.11) min | | | [Calculated Conc]: | 134.132 ng/ml | | | Area: | 6.276e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.14 (2.11) min | | | [Calculated Conc]: | 23.947 ng/ml | | | Area: | 1.134e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.13 (2.11) min | | | [Calculated Conc]: | 4.373 ng/ml | | | Area: | 2.208e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.14 (2.11) min | | | [Calculated Conc]: | 0.562 ng/ml | | | Area: | 4.298e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.13 (2.11) min | | | [Calculated Conc]: | 0.008 ng/ml | | | Area: | 1.709e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.11 (2.11) min | | | [Calculated Conc]: | 0.003 ng/ml | | | Area: | 1.688e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.10 (2.11) min | | | [Calculated Conc]: | 0.037 ng/ml | | | Area: | 1.844e4 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.15 (2.11) min | | | [Calculated Conc]: | 24.478 ng/ml | | | Area: | 1.159e6 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.14 (2.11) min | | | [Calculated Conc]: | 339.012 ng/ml | | | Area: | 1.584e7 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.15 (2.11) min | | | [Calculated Conc]: | 1.743 ng/ml | | | Area: | 9.808e4 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** PHE **(**166.0 / 120.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 2.861e+07 | 3.06 | 826.00000 | 843.973 |
| AA-biao-1nmol/ml | Standard | 5.162e+06 | 3.06 | 165.20000 | 152.101 |
| AA-biao-0.2nmol/ml | Standard | 1.009e+06 | 3.06 | 33.04000 | 29.536 |
| AA-biao-0.04nmol/ml | Standard | 1.836e+05 | 3.06 | 6.60800 | 5.197 |
| AA-biao-0.008nmol/ml | Standard | 5.022e+04 | 3.06 | 1.32160 | 1.261 |
| AA-biao-0.0016nmol/ml | Standard | 1.667e+04 | 3.07 | 0.26432 | 0.271 |
| AA-biao-0.00032nmol/ml | Standard | 1.311e+04 | 3.03 | 0.05286 | 0.166 |
| AA-biao-0.000064nmol/ml | Standard | 7.215e+03 | 3.02 | 0.01057 | < 0 |
| 20240410-1 | Unknown | 4.952e+05 | 3.04 | N/A | 14.390 |
| 20240410-2 | Unknown | 1.422e+07 | 3.13 | N/A | 419.476 |
| 20240410-3 | Unknown | 8.941e+04 | 3.07 | N/A | 2.417 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 3.06 (3.08) min | | | [Calculated Conc]: | 843.973 ng/ml | | | Area: | 2.861e7 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 3.06 (3.08) min | | | [Calculated Conc]: | 152.101 ng/ml | | | Area: | 5.162e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 3.06 (3.08) min | | | [Calculated Conc]: | 29.536 ng/ml | | | Area: | 1.009e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 3.06 (3.08) min | | | [Calculated Conc]: | 5.197 ng/ml | | | Area: | 1.836e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 3.06 (3.08) min | | | [Calculated Conc]: | 1.261 ng/ml | | | Area: | 5.022e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 3.07 (3.08) min | | | [Calculated Conc]: | 0.271 ng/ml | | | Area: | 1.667e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 3.03 (3.08) min | | | [Calculated Conc]: | 0.166 ng/ml | | | Area: | 1.311e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 3.02 (3.08) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 7.215e3 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 3.04 (3.08) min | | | [Calculated Conc]: | 14.390 ng/ml | | | Area: | 4.952e5 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 3.13 (3.08) min | | | [Calculated Conc]: | 419.476 ng/ml | | | Area: | 1.422e7 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 3.07 (3.08) min | | | [Calculated Conc]: | 2.417 ng/ml | | | Area: | 8.941e4 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** SER **(**106.0 / 60.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 2.049e+07 | 2.60 | 525.50000 | 527.992 |
| AA-biao-1nmol/ml | Standard | 4.041e+06 | 2.59 | 105.10000 | 102.316 |
| AA-biao-0.2nmol/ml | Standard | 8.675e+05 | 2.60 | 21.02000 | 20.205 |
| AA-biao-0.04nmol/ml | Standard | 2.363e+05 | 2.60 | 4.20400 | 3.874 |
| AA-biao-0.008nmol/ml | Standard | 1.210e+05 | 2.60 | 0.84080 | 0.891 |
| AA-biao-0.0016nmol/ml | Standard | 1.064e+05 | 2.60 | 0.16816 | 0.514 |
| AA-biao-0.00032nmol/ml | Standard | 1.388e+05 | 2.59 | 0.03363 | 1.352 |
| AA-biao-0.000064nmol/ml | Standard | 7.610e+04 | 2.60 | 0.00673 | < 0 |
| 20240410-1 | Unknown | 3.548e+06 | 2.60 | N/A | 89.567 |
| 20240410-2 | Unknown | 4.539e+07 | 2.60 | N/A | 1172.145 |
| 20240410-3 | Unknown | 4.247e+05 | 2.61 | N/A | 8.750 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.60 (2.61) min | | | [Calculated Conc]: | 527.992 ng/ml | | | Area: | 2.049e7 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.59 (2.61) min | | | [Calculated Conc]: | 102.316 ng/ml | | | Area: | 4.041e6 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.60 (2.61) min | | | [Calculated Conc]: | 20.205 ng/ml | | | Area: | 8.675e5 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.60 (2.61) min | | | [Calculated Conc]: | 3.874 ng/ml | | | Area: | 2.363e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.60 (2.61) min | | | [Calculated Conc]: | 0.891 ng/ml | | | Area: | 1.210e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.60 (2.61) min | | | [Calculated Conc]: | 0.514 ng/ml | | | Area: | 1.064e5 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.59 (2.61) min | | | [Calculated Conc]: | 1.352 ng/ml | | | Area: | 1.388e5 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.60 (2.61) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 7.610e4 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.60 (2.61) min | | | [Calculated Conc]: | 89.567 ng/ml | | | Area: | 3.548e6 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.60 (2.61) min | | | [Calculated Conc]: | 1172.145 ng/ml | | | Area: | 4.539e7 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.61 (2.61) min | | | [Calculated Conc]: | 8.750 ng/ml | | | Area: | 4.247e5 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** THR **(**120.0 / 74.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 2.924e+07 | 2.61 | 595.50000 | 603.471 |
| AA-biao-1nmol/ml | Standard | 5.522e+06 | 2.61 | 119.10000 | 113.505 |
| AA-biao-0.2nmol/ml | Standard | 1.096e+06 | 2.62 | 23.82000 | 22.054 |
| AA-biao-0.04nmol/ml | Standard | 2.415e+05 | 2.61 | 4.76400 | 4.399 |
| AA-biao-0.008nmol/ml | Standard | 5.721e+04 | 2.62 | 0.95280 | 0.590 |
| AA-biao-0.0016nmol/ml | Standard | 4.127e+04 | 2.62 | 0.19056 | 0.261 |
| AA-biao-0.00032nmol/ml | Standard | 3.328e+04 | 2.62 | 0.03811 | 0.096 |
| AA-biao-0.000064nmol/ml | Standard | 2.854e+04 | 2.62 | 0.00762 | < 0 |
| 20240410-1 | Unknown | 4.930e+06 | 2.62 | N/A | 101.273 |
| 20240410-2 | Unknown | 6.765e+07 | 2.62 | N/A | 1397.229 |
| 20240410-3 | Unknown | 4.540e+05 | 2.62 | N/A | 8.788 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.61 (2.61) min | | | [Calculated Conc]: | 603.471 ng/ml | | | Area: | 2.924e7 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.61 (2.61) min | | | [Calculated Conc]: | 113.505 ng/ml | | | Area: | 5.522e6 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.62 (2.61) min | | | [Calculated Conc]: | 22.054 ng/ml | | | Area: | 1.096e6 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.61 (2.61) min | | | [Calculated Conc]: | 4.399 ng/ml | | | Area: | 2.415e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.62 (2.61) min | | | [Calculated Conc]: | 0.590 ng/ml | | | Area: | 5.721e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.62 (2.61) min | | | [Calculated Conc]: | 0.261 ng/ml | | | Area: | 4.127e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.62 (2.61) min | | | [Calculated Conc]: | 0.096 ng/ml | | | Area: | 3.328e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.62 (2.61) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 2.854e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.62 (2.61) min | | | [Calculated Conc]: | 101.273 ng/ml | | | Area: | 4.930e6 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.62 (2.61) min | | | [Calculated Conc]: | 1397.229 ng/ml | | | Area: | 6.765e7 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.62 (2.61) min | | | [Calculated Conc]: | 8.788 ng/ml | | | Area: | 4.540e5 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** TYR **(**182.0 / 136.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 4.625e+07 | 2.74 | 906.00000 | 905.134 |
| AA-biao-1nmol/ml | Standard | 9.299e+06 | 2.73 | 181.20000 | 181.713 |
| AA-biao-0.2nmol/ml | Standard | 1.890e+06 | 2.74 | 36.24000 | 36.669 |
| AA-biao-0.04nmol/ml | Standard | 3.759e+05 | 2.73 | 7.24800 | 7.028 |
| AA-biao-0.008nmol/ml | Standard | 8.342e+04 | 2.74 | 1.44960 | 1.301 |
| AA-biao-0.0016nmol/ml | Standard | 4.272e+04 | 2.73 | 0.28992 | 0.504 |
| AA-biao-0.00032nmol/ml | Standard | 2.539e+04 | 2.73 | 0.05798 | 0.165 |
| AA-biao-0.000064nmol/ml | Standard | 1.608e+04 | 2.72 | 0.01160 | < 0 |
| 20240410-1 | Unknown | 8.084e+05 | 2.75 | N/A | 15.495 |
| 20240410-2 | Unknown | 1.064e+07 | 2.79 | N/A | 207.947 |
| 20240410-3 | Unknown | 1.030e+05 | 2.75 | N/A | 1.685 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.74 (2.71) min | | | [Calculated Conc]: | 905.134 ng/ml | | | Area: | 4.625e7 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.73 (2.71) min | | | [Calculated Conc]: | 181.713 ng/ml | | | Area: | 9.299e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.74 (2.71) min | | | [Calculated Conc]: | 36.669 ng/ml | | | Area: | 1.890e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.73 (2.71) min | | | [Calculated Conc]: | 7.028 ng/ml | | | Area: | 3.759e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.74 (2.71) min | | | [Calculated Conc]: | 1.301 ng/ml | | | Area: | 8.342e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.73 (2.71) min | | | [Calculated Conc]: | 0.504 ng/ml | | | Area: | 4.272e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.73 (2.71) min | | | [Calculated Conc]: | 0.165 ng/ml | | | Area: | 2.539e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.72 (2.71) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 1.608e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.75 (2.71) min | | | [Calculated Conc]: | 15.495 ng/ml | | | Area: | 8.084e5 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.79 (2.71) min | | | [Calculated Conc]: | 207.947 ng/ml | | | Area: | 1.064e7 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.75 (2.71) min | | | [Calculated Conc]: | 1.685 ng/ml | | | Area: | 1.030e5 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** VAL **(**118.0 / 72.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 7.121e+07 | 2.64 | 585.50000 | 585.847 |
| AA-biao-1nmol/ml | Standard | 1.432e+07 | 2.64 | 117.10000 | 117.449 |
| AA-biao-0.2nmol/ml | Standard | 2.842e+06 | 2.64 | 23.42000 | 22.982 |
| AA-biao-0.04nmol/ml | Standard | 6.118e+05 | 2.63 | 4.68400 | 4.617 |
| AA-biao-0.008nmol/ml | Standard | 1.452e+05 | 2.64 | 0.93680 | 0.775 |
| AA-biao-0.0016nmol/ml | Standard | 6.357e+04 | 2.63 | 0.18736 | 0.103 |
| AA-biao-0.00032nmol/ml | Standard | 6.327e+04 | 2.64 | 0.03747 | 0.101 |
| AA-biao-0.000064nmol/ml | Standard | 5.104e+04 | 2.64 | 0.00749 | < 0 |
| 20240410-1 | Unknown | 3.584e+06 | 2.65 | N/A | 29.088 |
| 20240410-2 | Unknown | 5.404e+07 | 2.65 | N/A | 444.548 |
| 20240410-3 | Unknown | 5.343e+05 | 2.65 | N/A | 3.978 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.64 (2.62) min | | | [Calculated Conc]: | 585.847 ng/ml | | | Area: | 7.121e7 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.64 (2.62) min | | | [Calculated Conc]: | 117.449 ng/ml | | | Area: | 1.432e7 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.64 (2.62) min | | | [Calculated Conc]: | 22.982 ng/ml | | | Area: | 2.842e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.63 (2.62) min | | | [Calculated Conc]: | 4.617 ng/ml | | | Area: | 6.118e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.64 (2.62) min | | | [Calculated Conc]: | 0.775 ng/ml | | | Area: | 1.452e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.63 (2.62) min | | | [Calculated Conc]: | 0.103 ng/ml | | | Area: | 6.357e4 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.64 (2.62) min | | | [Calculated Conc]: | 0.101 ng/ml | | | Area: | 6.327e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.64 (2.62) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 5.104e4 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.65 (2.62) min | | | [Calculated Conc]: | 29.088 ng/ml | | | Area: | 3.584e6 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.65 (2.62) min | | | [Calculated Conc]: | 444.548 ng/ml | | | Area: | 5.404e7 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.65 (2.62) min | | | [Calculated Conc]: | 3.978 ng/ml | | | Area: | 5.343e5 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** ALA **(**90.0 / 44.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 1.709e+07 | 2.56 | 445.50000 | 453.497 |
| AA-biao-1nmol/ml | Standard | 3.251e+06 | 2.55 | 89.10000 | 85.389 |
| AA-biao-0.2nmol/ml | Standard | 6.485e+05 | 2.56 | 17.82000 | 16.144 |
| AA-biao-0.04nmol/ml | Standard | 1.405e+05 | 2.56 | 3.56400 | 2.630 |
| AA-biao-0.008nmol/ml | Standard | 3.397e+04 | 2.56 | 0.71280 | < 0 |
| AA-biao-0.0016nmol/ml | Standard | 2.347e+04 | 2.56 | 0.14256 | < 0 |
| AA-biao-0.00032nmol/ml | Standard | 3.499e+04 | 2.56 | 0.02851 | < 0 |
| AA-biao-0.000064nmol/ml | Standard | 4.475e+04 | 2.55 | 0.00570 | 0.082 |
| 20240410-1 | Unknown | 4.679e+06 | 2.57 | N/A | 123.387 |
| 20240410-2 | Unknown | 8.383e+07 | 2.58 | N/A | 2229.249 |
| 20240410-3 | Unknown | 4.768e+05 | 2.57 | N/A | 11.577 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.56) min | | | [Calculated Conc]: | 453.497 ng/ml | | | Area: | 1.709e7 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.55 (2.55) min | | | [Calculated Conc]: | 85.389 ng/ml | | | Area: | 3.251e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.56) min | | | [Calculated Conc]: | 16.144 ng/ml | | | Area: | 6.485e5 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.56) min | | | [Calculated Conc]: | 2.630 ng/ml | | | Area: | 1.405e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.56) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 3.397e4 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.56) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 2.347e4 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.56 (2.56) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 3.499e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.55 (2.55) min | | | [Calculated Conc]: | 0.082 ng/ml | | | Area: | 4.475e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.57 (2.57) min | | | [Calculated Conc]: | 123.387 ng/ml | | | Area: | 4.679e6 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.58 (2.58) min | | | [Calculated Conc]: | 2229.249 ng/ml | | | Area: | 8.383e7 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.57 (2.57) min | | | [Calculated Conc]: | 11.577 ng/ml | | | Area: | 4.768e5 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** MET **(**150.0 / 133.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 2.325e+07 | 2.77 | 746.00000 | 762.944 |
| AA-biao-1nmol/ml | Standard | 4.123e+06 | 2.77 | 149.20000 | 135.262 |
| AA-biao-0.2nmol/ml | Standard | 8.529e+05 | 2.78 | 29.84000 | 27.948 |
| AA-biao-0.04nmol/ml | Standard | 1.610e+05 | 2.77 | 5.96800 | 5.242 |
| AA-biao-0.008nmol/ml | Standard | 2.823e+04 | 2.78 | 1.19360 | 0.884 |
| AA-biao-0.0016nmol/ml | Standard | 6.585e+03 | 2.76 | 0.23872 | 0.174 |
| AA-biao-0.00032nmol/ml | Standard | 1.972e+03 | 2.78 | 0.04774 | 0.022 |
| AA-biao-0.000064nmol/ml | Standard | 1.975e+03 | 2.74 | 0.00955 | 0.022 |
| 20240410-1 | Unknown | 1.587e+04 | 2.80 | N/A | 0.478 |
| 20240410-2 | Unknown | 5.880e+05 | 2.81 | N/A | 19.254 |
| 20240410-3 | Unknown | 2.762e+03 | 2.76 | N/A | 0.048 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.77 (2.77) min | | | [Calculated Conc]: | 762.944 ng/ml | | | Area: | 2.325e7 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.77 (2.77) min | | | [Calculated Conc]: | 135.262 ng/ml | | | Area: | 4.123e6 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.78 (2.77) min | | | [Calculated Conc]: | 27.948 ng/ml | | | Area: | 8.529e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.77 (2.77) min | | | [Calculated Conc]: | 5.242 ng/ml | | | Area: | 1.610e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.78 (2.77) min | | | [Calculated Conc]: | 0.884 ng/ml | | | Area: | 2.823e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.76 (2.77) min | | | [Calculated Conc]: | 0.174 ng/ml | | | Area: | 6.585e3 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.78 (2.77) min | | | [Calculated Conc]: | 0.022 ng/ml | | | Area: | 1.972e3 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.74 (2.77) min | | | [Calculated Conc]: | 0.022 ng/ml | | | Area: | 1.975e3 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.80 (2.77) min | | | [Calculated Conc]: | 0.478 ng/ml | | | Area: | 1.587e4 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.81 (2.77) min | | | [Calculated Conc]: | 19.254 ng/ml | | | Area: | 5.880e5 |  | | Sample Type: | (Unknown) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.76 (2.77) min | | | [Calculated Conc]: | 0.048 ng/ml | | | Area: | 2.762e3 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** ASP **(**134.0 / 74.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 1.817e+07 | 2.75 | 665.50000 | 668.641 |
| AA-biao-1nmol/ml | Standard | 3.603e+06 | 2.74 | 133.10000 | 131.785 |
| AA-biao-0.2nmol/ml | Standard | 7.407e+05 | 2.75 | 26.62000 | 26.287 |
| AA-biao-0.04nmol/ml | Standard | 1.515e+05 | 2.75 | 5.32400 | 4.567 |
| AA-biao-0.008nmol/ml | Standard | 3.359e+04 | 2.74 | 1.06480 | 0.219 |
| AA-biao-0.0016nmol/ml | Standard | 2.703e+04 | 2.75 | 0.21296 | < 0 |
| AA-biao-0.00032nmol/ml | Standard | 3.989e+04 | 2.77 | 0.04259 | 0.452 |
| AA-biao-0.000064nmol/ml | Standard | 2.613e+04 | 2.74 | 0.00852 | < 0 |
| 20240410-1 | Unknown | 6.720e+06 | 2.72 | N/A | 246.714 |
| 20240410-2 | Unknown | 7.359e+07 | 2.74 | N/A | 2711.656 |
| 20240410-3 | Unknown | 4.912e+05 | 2.73 | N/A | 17.087 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.75 (2.75) min | | | [Calculated Conc]: | 668.641 ng/ml | | | Area: | 1.817e7 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.74 (2.75) min | | | [Calculated Conc]: | 131.785 ng/ml | | | Area: | 3.603e6 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.75 (2.75) min | | | [Calculated Conc]: | 26.287 ng/ml | | | Area: | 7.407e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.75 (2.75) min | | | [Calculated Conc]: | 4.567 ng/ml | | | Area: | 1.515e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.74 (2.75) min | | | [Calculated Conc]: | 0.219 ng/ml | | | Area: | 3.359e4 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.75 (2.75) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 2.703e4 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.77 (2.75) min | | | [Calculated Conc]: | 0.452 ng/ml | | | Area: | 3.989e4 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.74 (2.75) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 2.613e4 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.72 (2.75) min | | | [Calculated Conc]: | 246.714 ng/ml | | | Area: | 6.720e6 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.74 (2.75) min | | | [Calculated Conc]: | 2711.656 ng/ml | | | Area: | 7.359e7 |  | | Sample Type: | (Unknown) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.73 (2.75) min | | | [Calculated Conc]: | 17.087 ng/ml | | | Area: | 4.912e5 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** PRO **(**116.0 / 70.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 1.046e+08 | 2.71 | 575.50000 | 566.083 |
| AA-biao-1nmol/ml | Standard | 2.327e+07 | 2.70 | 115.10000 | 125.686 |
| AA-biao-0.2nmol/ml | Standard | 4.146e+06 | 2.71 | 23.02000 | 22.087 |
| AA-biao-0.04nmol/ml | Standard | 8.536e+05 | 2.70 | 4.60400 | 4.253 |
| AA-biao-0.008nmol/ml | Standard | 2.010e+05 | 2.71 | 0.92080 | 0.717 |
| AA-biao-0.0016nmol/ml | Standard | 1.117e+05 | 2.71 | 0.18416 | 0.233 |
| AA-biao-0.00032nmol/ml | Standard | 1.377e+05 | 2.71 | 0.03683 | 0.374 |
| AA-biao-0.000064nmol/ml | Standard | 5.749e+04 | 2.71 | 0.00737 | < 0 |
| 20240410-1 | Unknown | 4.069e+06 | 2.71 | N/A | 21.671 |
| 20240410-2 | Unknown | 4.088e+07 | 2.72 | N/A | 221.069 |
| 20240410-3 | Unknown | 1.195e+06 | 2.70 | N/A | 6.102 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.71 (2.69) min | | | [Calculated Conc]: | 566.083 ng/ml | | | Area: | 1.046e8 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.70 (2.69) min | | | [Calculated Conc]: | 125.686 ng/ml | | | Area: | 2.327e7 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.71 (2.69) min | | | [Calculated Conc]: | 22.087 ng/ml | | | Area: | 4.146e6 |  | | Sample Type: | (Standard) | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.70 (2.69) min | | | [Calculated Conc]: | 4.253 ng/ml | | | Area: | 8.536e5 |  | | Sample Type: | (Standard) | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.71 (2.69) min | | | [Calculated Conc]: | 0.717 ng/ml | | | Area: | 2.010e5 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.71 (2.69) min | | | [Calculated Conc]: | 0.233 ng/ml | | | Area: | 1.117e5 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.71 (2.69) min | | | [Calculated Conc]: | 0.374 ng/ml | | | Area: | 1.377e5 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.71 (2.69) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 5.749e4 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.71 (2.69) min | | | [Calculated Conc]: | 21.671 ng/ml | | | Area: | 4.069e6 |  | | Sample Type: | (Unknown) | | |  |

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| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.72 (2.69) min | | | [Calculated Conc]: | 221.069 ng/ml | | | Area: | 4.088e7 |  | | Sample Type: | (Unknown) | | |  |

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| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.70 (2.69) min | | | [Calculated Conc]: | 6.102 ng/ml | | | Area: | 1.195e6 |  | | Sample Type: | (Unknown) | | |  |

#### **Analyte:** LEU **(**132.0 / 86.0**)**

|  |  |  |  |
| --- | --- | --- | --- |
| Data File | Datamfw2023.wiff | Result Table | 用户氨基酸20240402 |
| Acquisition Date | 4/14/2023 5:25:14 PM | Algorithm Used | MQ4 |
| Acquisition Method | AMINO ALL-20181019.dam | Instrument Name | QTRAP 5500 |
| Project | plant hormone |  |  |

| Sample Name | Sample Type | Area (cps) | RT (min) | Target [Conc]. (ng/ml) | [Calculated Conc]. (ng/ml) |
| --- | --- | --- | --- | --- | --- |
| AA-biao-5nmol/ml | Standard | 1.204e+08 | 2.76 | 656.00000 | 631.730 |
| AA-biao-1nmol/ml | Standard | 2.879e+07 | 2.75 | 131.20000 | 150.859 |
| AA-biao-0.2nmol/ml | Standard | 5.820e+06 | 2.76 | 26.24000 | 30.252 |
| AA-biao-0.04nmol/ml | Standard | 1.125e+06 | 2.75 | 5.24800 | 5.605 |
| AA-biao-0.008nmol/ml | Standard | 2.601e+05 | 2.76 | 1.04960 | 1.063 |
| AA-biao-0.0016nmol/ml | Standard | 1.184e+05 | 2.76 | 0.20992 | 0.319 |
| AA-biao-0.00032nmol/ml | Standard | 9.593e+04 | 2.76 | 0.04198 | 0.201 |
| AA-biao-0.000064nmol/ml | Standard | 5.181e+04 | 2.75 | 0.00840 | < 0 |
| 20240410-1 | Unknown | 3.440e+06 | 2.78 | N/A | 17.756 |
| 20240410-2 | Unknown | 5.021e+07 | 2.86 | N/A | 263.310 |
| 20240410-3 | Unknown | 5.031e+05 | 2.78 | N/A | 2.339 |

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| |  |  |  | | --- | --- | --- | | AA-biao-5nmol/ml | | | |  | | | | RT (Exp. RT): | 2.76 (2.77) min | | | [Calculated Conc]: | 631.730 ng/ml | | | Area: | 1.204e8 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-1nmol/ml | | | |  | | | | RT (Exp. RT): | 2.75 (2.77) min | | | [Calculated Conc]: | 150.859 ng/ml | | | Area: | 2.879e7 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.2nmol/ml | | | |  | | | | RT (Exp. RT): | 2.76 (2.77) min | | | [Calculated Conc]: | 30.252 ng/ml | | | Area: | 5.820e6 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.04nmol/ml | | | |  | | | | RT (Exp. RT): | 2.75 (2.77) min | | | [Calculated Conc]: | 5.605 ng/ml | | | Area: | 1.125e6 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.008nmol/ml | | | |  | | | | RT (Exp. RT): | 2.76 (2.77) min | | | [Calculated Conc]: | 1.063 ng/ml | | | Area: | 2.601e5 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.0016nmol/ml | | | |  | | | | RT (Exp. RT): | 2.76 (2.77) min | | | [Calculated Conc]: | 0.319 ng/ml | | | Area: | 1.184e5 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.00032nmol/ml | | | |  | | | | RT (Exp. RT): | 2.76 (2.77) min | | | [Calculated Conc]: | 0.201 ng/ml | | | Area: | 9.593e4 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | AA-biao-0.000064nmol/ml | | | |  | | | | RT (Exp. RT): | 2.75 (2.77) min | | | [Calculated Conc]: | < 0 ng/ml | | | Area: | 5.181e4 |  | | Sample Type: | (Standard) | | |  |

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| |  |  |  | | --- | --- | --- | | 20240410-1 | | | |  | | | | RT (Exp. RT): | 2.78 (2.77) min | | | [Calculated Conc]: | 17.756 ng/ml | | | Area: | 3.440e6 |  | | Sample Type: | (Unknown) | | |  |

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| |  |  |  | | --- | --- | --- | | 20240410-2 | | | |  | | | | RT (Exp. RT): | 2.86 (2.77) min | | | [Calculated Conc]: | 263.310 ng/ml | | | Area: | 5.021e7 |  | | Sample Type: | (Unknown) | | |  |

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| |  |  |  | | --- | --- | --- | | 20240410-3 | | | |  | | | | RT (Exp. RT): | 2.78 (2.77) min | | | [Calculated Conc]: | 2.339 ng/ml | | | Area: | 5.031e5 |  | | Sample Type: | (Unknown) | | |  |