# Instrument Tuning Report

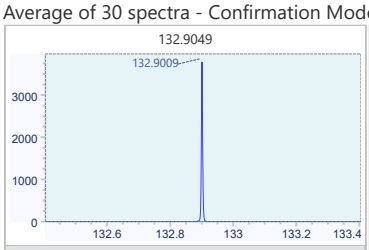
10/3/2024 8:36 AM

| | | | |
|---|---|---|---|
| **Instrument Name:** | ZenoTOF™ 7600 System | **Manufacturer:** | AB Sciex |
| **Instrument Model:** | ZenoTOF 7600 System | **Target Instrument:** | ZenoTOF 7600 System |
| **Ion Source:** | OptiFlow 50-200µL Micro/MicroCal | **Optimization Set:** | Positive Quick Status Check |
| **Serial Number:** | FB24962403 | | |

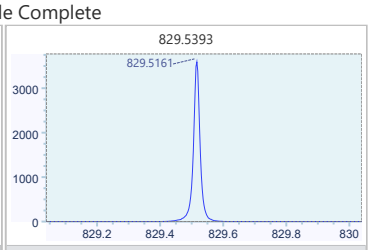
## 1. Positive MS Check

| Step | Result | Details |
|---|---|---|
| Achieve Stable Spray / Modify | **Pass** | Slope: 0.000490065986397559, previous was 0.000490065986397559<br>Delay: -13.4051794536491, previous was -13.4051794536491 |

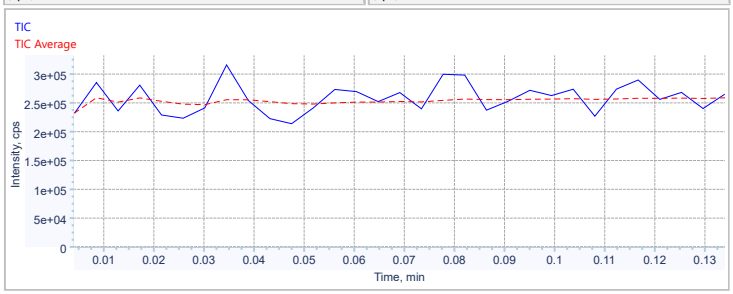
Average of 30 spectra - Confirmation Mode Complete




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 132.8049 | 133.0049 | 132.9009 | Pass |
| Sum Intensity (cps) | 1000 | 1e+11 | 16181 | Pass |

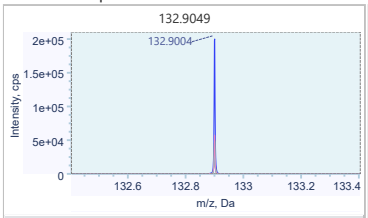



| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 829.4393 | 829.6393 | 829.5161 | Pass |
| Sum Intensity (cps) | 1000 | 1e+11 | 32006 | Pass |

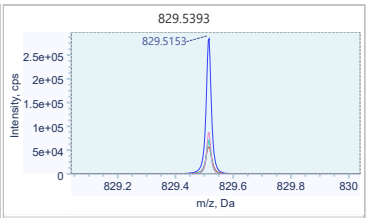



| Step | Result | Details |
|---|---|---|
| Channel Alignment | **Pass** | |

Sum of 10 spectra




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 132.6549 | 133.1549 | 132.9004 | Pass |
| Resolution | 0 | 100000 | 36786 | Pass |
| Sum Intensity (cps) | 0 | 1e+11 | 8.2152e+05 | Pass |




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 829.2893 | 829.7893 | 829.5153 | Pass |
| Resolution | 0 | 100000 | 44578 | Pass |
| Sum Intensity (cps) | 0 | 1e+11 | 2.3673e+06 | Pass |

Align to channel: 2 Result: Pass

| Item | Min | Max | Initial | Actual | Status |
|---|---|---|---|---|---|
| Channel 1 vs. 2 Slope | -50 | 50 | -0.120976502 | -0.120110685 | Pass |
| Channel 1 vs. 2 Intercept | -50 | 50 | -11.391094204 | -10.744131931 | Pass |
| Channel 3 vs. 2 Slope | -50 | 50 | 0.072807005 | 0.075846231 | Pass |
| Channel 3 vs. 2 Intercept | -50 | 50 | -3.642533384 | -4.004055881 | Pass |
| Channel 4 vs. 2 Slope | -50 | 50 | 0.122798862 | 0.125768798 | Pass |
| Channel 4 vs. 2 Intercept | -50 | 50 | 8.397893161 | 8.749510879 | Pass |

# Instrument Tuning Report

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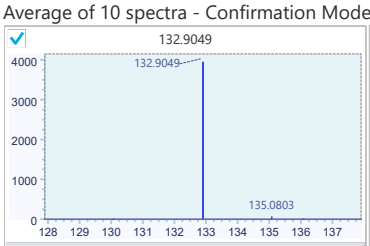
|---|---|---|---|
| **Instrument Name:** | ZenoTOF™ 7600 System | **Manufacturer:** | AB Sciex |
| **Instrument Model:** | ZenoTOF 7600 System | **Target Instrument:** | ZenoTOF 7600 System |
| **Ion Source:** | OptiFlow 50-200µL Micro/MicroCal | **Optimization Set:** | Positive Quick Status Check |
| **Serial Number:** | FB24962403 | | |

## TOF MS Mass Check

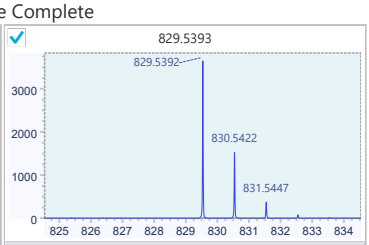
**Pass**

Slope: 0.000490071993382556, previous was 0.000490065986397559
Delay: -13.4610870282041, previous was -13.4051794536491

Average of 10 spectra - Confirmation Mode Complete




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 132.8049 | 133.0049 | 132.9049 | Pass |
| Resolution | 21000 | 100000 | 31372 | Pass |
| Sum Intensity (cps) | 1000 | 1e+11 | 17113 | Pass |
| Error (ppm) | -2.00 | 2.00 | 0.36971 | Pass |



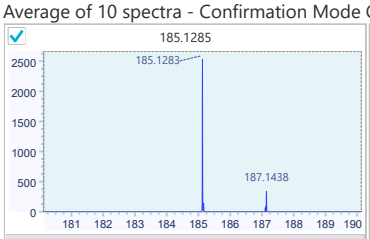

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 829.4393 | 829.6393 | 829.5392 | Pass |
| Resolution | 29000 | 100000 | 40982 | Pass |
| Sum Intensity (cps) | 1000 | 1e+11 | 32415 | Pass |
| Error (ppm) | -2.00 | 2.00 | -0.15904 | Pass |

## TOF MS/MS Mass Check

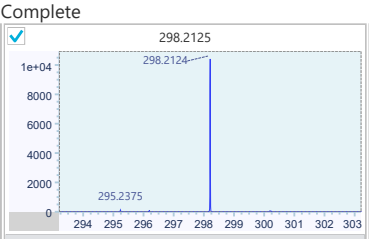
**Pass**

Slope: 0.000490070677379891, previous was 0.000490065184904845
Delay: -13.4827086478294, previous was -13.470200080494

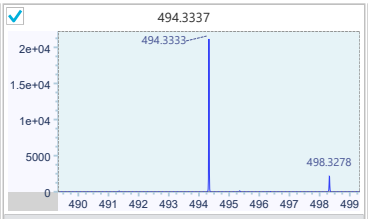
Average of 10 spectra - Confirmation Mode Complete



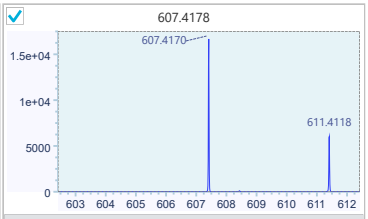

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 185.0285 | 185.2285 | 185.1283 | Pass |
| Resolution | 21000 | 100000 | 27827 | Pass |
| Sum Intensity (cps) | 100 | 1e+11 | 15452 | Pass |
| Error (ppm) | -2.00 | 2.00 | -1.13052 | Pass |




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 298.1125 | 298.3125 | 298.2124 | Pass |
| Resolution | 22000 | 100000 | 34653 | Pass |
| Sum Intensity (cps) | 100 | 1e+11 | 63221 | Pass |
| Error (ppm) | -2.00 | 2.00 | -0.48609 | Pass |




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 494.2337 | 494.4337 | 494.3333 | Pass |
| Resolution | 25000 | 100000 | 36367 | Pass |
| Sum Intensity (cps) | 100 | 1e+11 | 1.5319e+05 | Pass |
| Error (ppm) | -2.00 | 2.00 | -0.77266 | Pass |



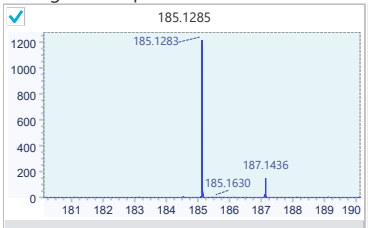

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 607.3178 | 607.5178 | 607.4170 | Pass |
| Resolution | 26000 | 100000 | 35562 | Pass |
| Sum Intensity (cps) | 100 | 1e+11 | 1.3755e+05 | Pass |
| Error (ppm) | -2.00 | 2.00 | -1.35032 | Pass |

## TOF MS/MS Mass Check Zeno On

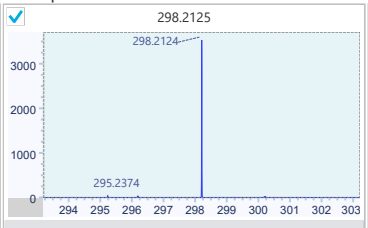
**Pass**

Slope: 0.000490072283593 19, previous was 0.000490066504888272
Delay: -13.4559118479707, previous was -13.4545600247307

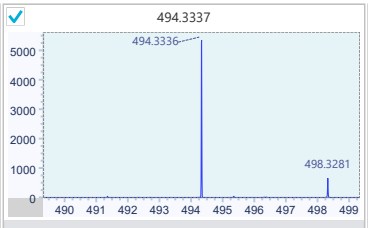
Average of 10 spectra - Confirmation Mode Complete



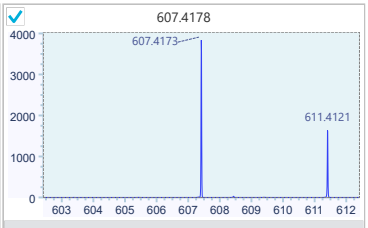

| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 185.0285 | 185.2285 | 185.1283 | Pass |
| Resolution | 21000 | 100000 | 31336 | Pass |
| Sum Intensity (cps) | 100 | 1e+11 | 6555.5 | Pass |
| Error (ppm) | -2.00 | 2.00 | -0.93614 | Pass |




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 298.1125 | 298.3125 | 298.2124 | Pass |
| Resolution | 22000 | 100000 | 33447 | Pass |
| Sum Intensity (cps) | 100 | 1e+11 | 21144 | Pass |
| Error (ppm) | -2.00 | 2.00 | -0.46312 | Pass |




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 494.2337 | 494.4337 | 494.3336 | Pass |
| Resolution | 25000 | 100000 | 32863 | Pass |
| Sum Intensity (cps) | 100 | 1e+11 | 40502 | Pass |
| Error (ppm) | -2.00 | 2.00 | -0.20465 | Pass |




| Item | Min | Max | Actual | Status |
|---|---|---|---|---|
| Mass (Da) | 607.3178 | 607.5178 | 607.4173 | Pass |
| Resolution | 26000 | 100000 | 33243 | Pass |
| Sum Intensity (cps) | 100 | 1e+11 | 32303 | Pass |
| Error (ppm) | -2.00 | 2.00 | -0.83632 | Pass |