Instrument Tuning Report

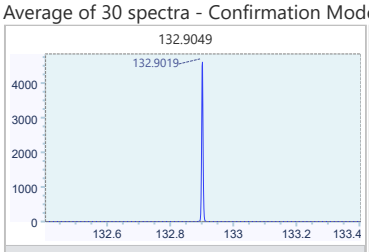
9/4/2024 11:20 AM

Instrument Name:	ZenoTOF™ 7600 System Optiflow	**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		

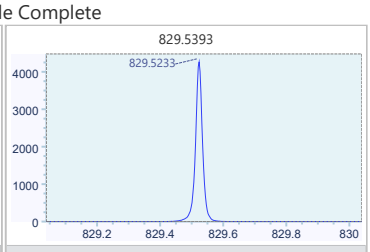
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490048306655696, previous was 0.000490048306655696 Delay: -13.3814662735105, previous was -13.3814662735105

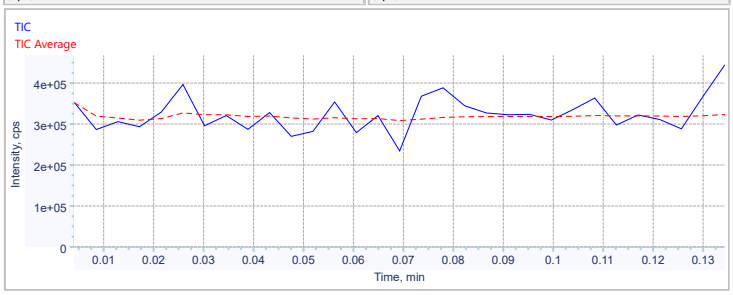
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9019	Pass
Sum Intensity (cps)	1000	1e+11	21688	Pass

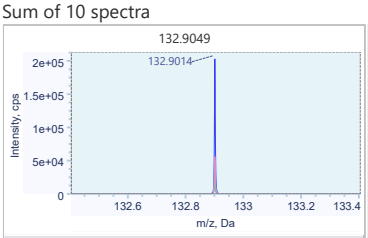


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5233	Pass
Sum Intensity (cps)	1000	1e+11	39591	Pass

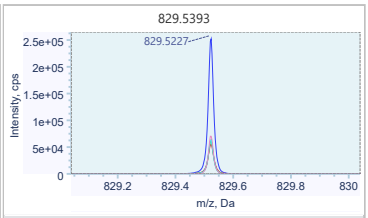


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9014	Pass
Resolution	0	100000	39567	Pass
Sum Intensity (cps)	0	1e+11	7.289e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5227	Pass
Resolution	0	100000	42049	Pass
Sum Intensity (cps)	0	1e+11	2.1852e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.121138847	-0.114577356	Pass
Channel 1 vs. 2 Intercept	-50	50	-11.282765973	-11.520622	Pass
Channel 3 vs. 2 Slope	-50	50	0.071488354	0.075846596	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.882108725	-4.660597023	Pass
Channel 4 vs. 2 Slope	-50	50	0.108195137	0.111743367	Pass
Channel 4 vs. 2 Intercept	-50	50	8.403234367	8.686778703	Pass

Instrument Tuning Report

9/4/2024 11:20 AM

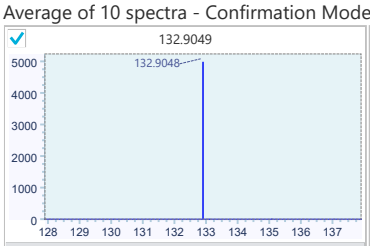
Instrument Name:	ZenoTOF™ 7600 System Optiflow	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

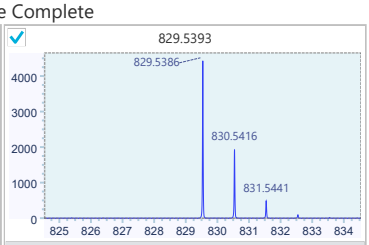
Pass

Slope: 0.000490052117855052, previous was 0.000490048306655696
Delay: -13.4509500231973, previous was -13.3814662735105

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9048	Pass
Resolution	21000	100000	28306	Pass
Sum Intensity (cps)	1000	1e+11	23245	Pass
Error (ppm)	-2.00	2.00	-0.74367	Pass



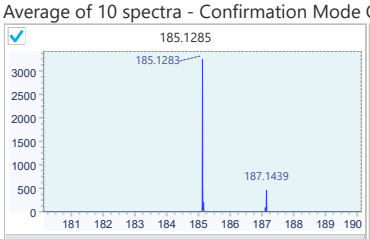
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5386	Pass
Resolution	29000	100000	37903	Pass
Sum Intensity (cps)	1000	1e+11	40834	Pass
Error (ppm)	-2.00	2.00	-0.82303	Pass

TOF MS/MS Mass Check

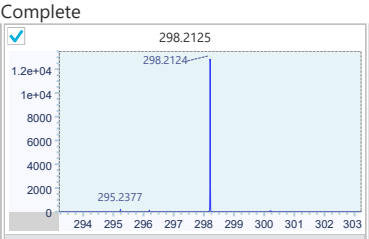
Pass

Slope: 0.000490051338487275, previous was 0.000490047561614517
Delay: -13.4729870054648, previous was -13.4458611459108

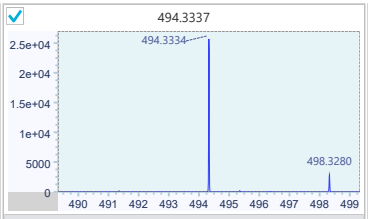
Average of 10 spectra - Confirmation Mode Complete



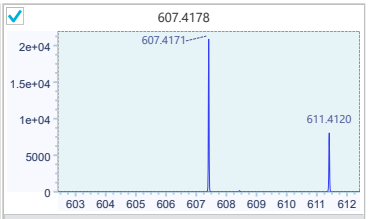
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1283	Pass
Resolution	21000	100000	27421	Pass
Sum Intensity (cps)	100	1e+11	19554	Pass
Error (ppm)	-2.00	2.00	-0.89751	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2124	Pass
Resolution	22000	100000	32676	Pass
Sum Intensity (cps)	100	1e+11	80824	Pass
Error (ppm)	-2.00	2.00	-0.17964	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3334	Pass
Resolution	25000	100000	33080	Pass
Sum Intensity (cps)	100	1e+11	1.9866e+05	Pass
Error (ppm)	-2.00	2.00	-0.53527	Pass



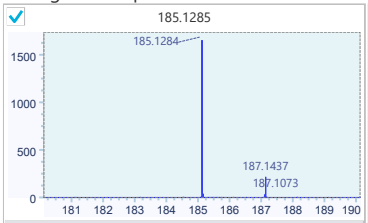
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4171	Pass
Resolution	26000	100000	32836	Pass
Sum Intensity (cps)	100	1e+11	1.8169e+05	Pass
Error (ppm)	-2.00	2.00	-1.08504	Pass

TOF MS/MS Mass Check Zeno On

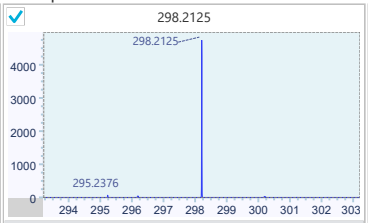
Pass

Slope: 0.000490052717189903, previous was 0.00049004865812057
Delay: -13.4217190111928, previous was -13.4355774428237

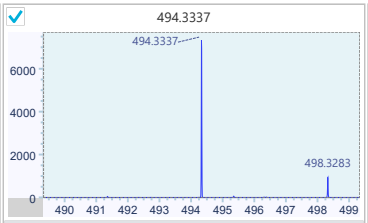
Average of 10 spectra - Confirmation Mode Complete



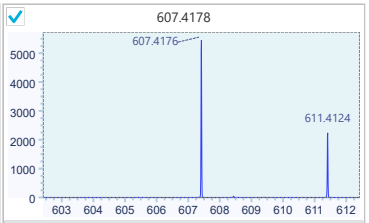
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1284	Pass
Resolution	21000	100000	30066	Pass
Sum Intensity (cps)	100	1e+11	9031.8	Pass
Error (ppm)	-2.00	2.00	-0.55475	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2125	Pass
Resolution	22000	100000	31812	Pass
Sum Intensity (cps)	100	1e+11	29187	Pass
Error (ppm)	-2.00	2.00	-0.13446	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3337	Pass
Resolution	25000	100000	32145	Pass
Sum Intensity (cps)	100	1e+11	55838	Pass
Error (ppm)	-2.00	2.00	0.05303	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4176	Pass
Resolution	26000	100000	33105	Pass
Sum Intensity (cps)	100	1e+11	45311	Pass
Error (ppm)	-2.00	2.00	-0.38025	Pass