Instrument Tuning Report

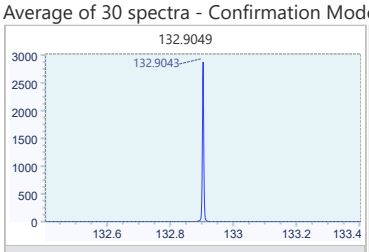
11/21/2024 8:20 AM

Instrument Name:	ZenoTOF™ 7600 System	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

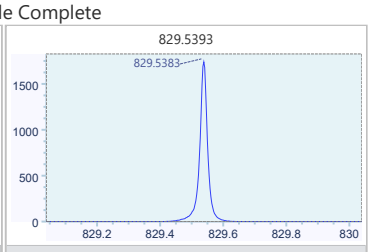
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490122440795605, previous was 0.000490122440795605 Delay: -13.4149201866171, previous was -13.4149201866171

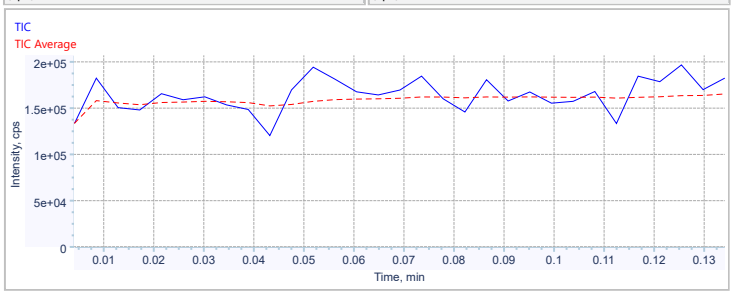
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9043	Pass
Sum Intensity (cps)	1000	1e+11	13069	Pass

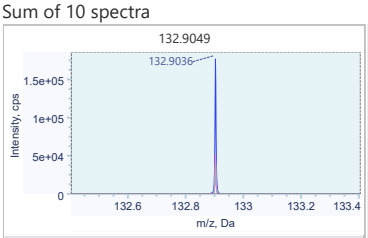


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5383	Pass
Sum Intensity (cps)	1000	1e+11	18348	Pass

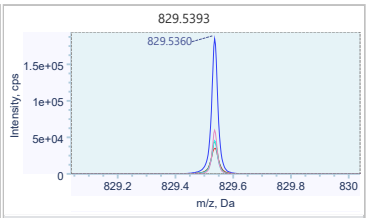


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9036	Pass
Resolution	0	100000	34985	Pass
Sum Intensity (cps)	0	1e+11	7.4809e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.536	Pass
Resolution	0	100000	37281	Pass
Sum Intensity (cps)	0	1e+11	1.8587e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.120439599	-0.122429401	Pass
Channel 1 vs. 2 Intercept	-50	50	-11.657194339	-10.62482212	Pass
Channel 3 vs. 2 Slope	-50	50	0.073094164	0.075104962	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.640378945	-3.878255432	Pass
Channel 4 vs. 2 Slope	-50	50	0.126218514	0.120371098	Pass
Channel 4 vs. 2 Intercept	-50	50	8.212593487	8.803329125	Pass

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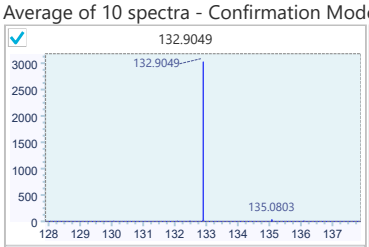
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

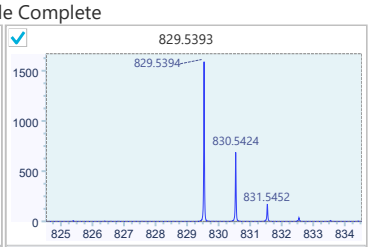
Pass

Slope: 0.000490122481511774, previous was 0.000490122440795605
Delay: -13.4739355687954, previous was -13.4149201866171

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9049	Pass
Resolution	21000	100000	30098	Pass
Sum Intensity (cps)	1000	1e+11	13583	Pass
Error (ppm)	-2.00	2.00	0.35247	Pass



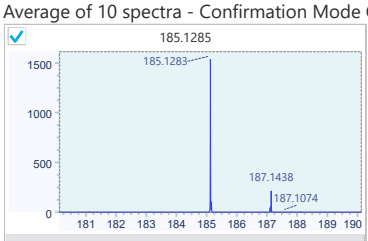
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5394	Pass
Resolution	29000	100000	34601	Pass
Sum Intensity (cps)	1000	1e+11	16888	Pass
Error (ppm)	-2.00	2.00	0.07315	Pass

TOF MS/MS Mass Check

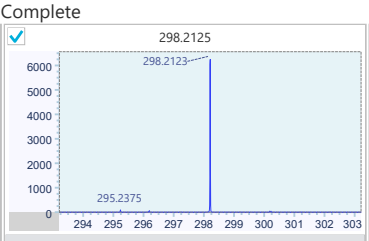
Pass

Slope: 0.000490121547319674, previous was 0.00049012149313815
Delay: -13.4898539070873, previous was -13.4942891211385

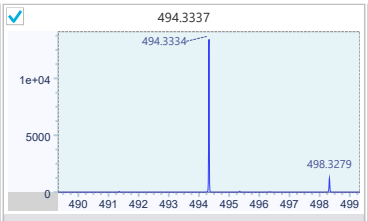
Average of 10 spectra - Confirmation Mode Complete



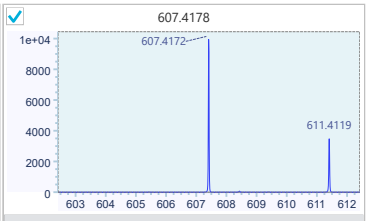
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1283	Pass
Resolution	21000	100000	24196	Pass
Sum Intensity (cps)	100	1e+11	10845	Pass
Error (ppm)	-2.00	2.00	-1.15033	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2123	Pass
Resolution	22000	100000	29885	Pass
Sum Intensity (cps)	100	1e+11	44660	Pass
Error (ppm)	-2.00	2.00	-0.53273	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3334	Pass
Resolution	25000	100000	33533	Pass
Sum Intensity (cps)	100	1e+11	1.0806e+05	Pass
Error (ppm)	-2.00	2.00	-0.63488	Pass



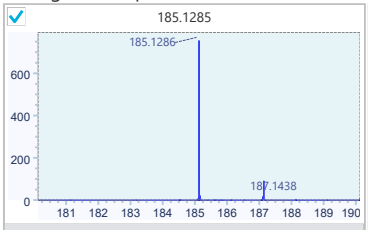
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4172	Pass
Resolution	26000	100000	30996	Pass
Sum Intensity (cps)	100	1e+11	96408	Pass
Error (ppm)	-2.00	2.00	-1.0323	Pass

TOF MS/MS Mass Check Zeno On

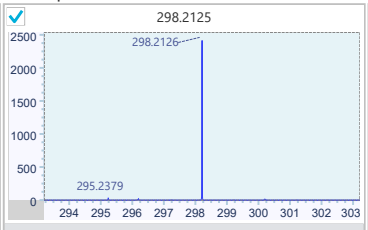
Pass

Slope: 0.000490122716558554, previous was 0.000490122965199601
Delay: -13.4967942816746, previous was -13.4769215801117

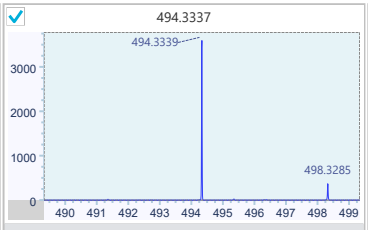
Average of 10 spectra - Confirmation Mode Complete



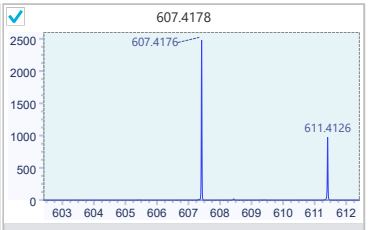
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1286	Pass
Resolution	21000	100000	27901	Pass
Sum Intensity (cps)	100	1e+11	4649.6	Pass
Error (ppm)	-2.00	2.00	0.47869	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2126	Pass
Resolution	22000	100000	32839	Pass
Sum Intensity (cps)	100	1e+11	14872	Pass
Error (ppm)	-2.00	2.00	0.35851	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3339	Pass
Resolution	25000	100000	32004	Pass
Sum Intensity (cps)	100	1e+11	28160	Pass
Error (ppm)	-2.00	2.00	0.42577	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4176	Pass
Resolution	26000	100000	31549	Pass
Sum Intensity (cps)	100	1e+11	22478	Pass
Error (ppm)	-2.00	2.00	-0.342	Pass