Instrument Tuning Report

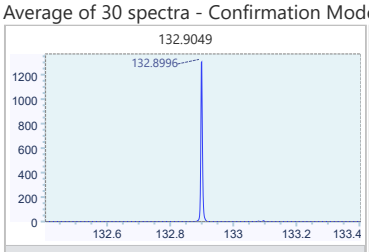
7/8/2024 10:33 AM

Instrument Name:	ZenoTOF™ 7600 System	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	TurboIonSpray	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

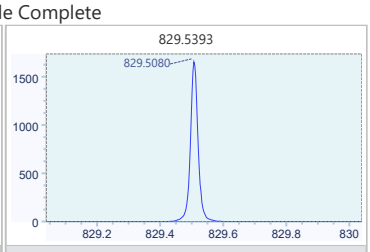
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000489908165563755, previous was 0.000489908165563755 Delay: -13.4009953869716, previous was -13.4009953869716

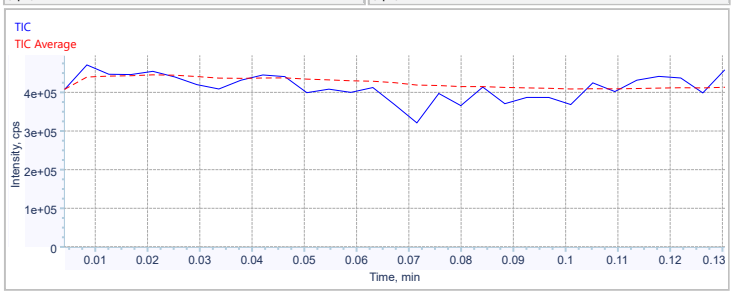
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.8996	Pass
Sum Intensity (cps)	1000	1e+11	7114.7	Pass

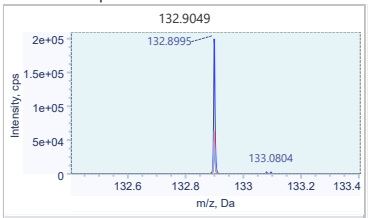


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5080	Pass
Sum Intensity (cps)	1000	1e+11	16609	Pass

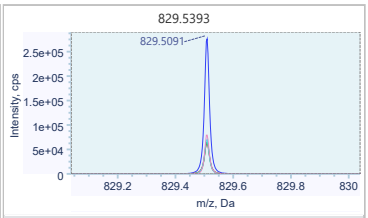


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.8995	Pass
Resolution	0	100000	26905	Pass
Sum Intensity (cps)	0	1e+11	1.0328e+06	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5091	Pass
Resolution	0	100000	44775	Pass
Sum Intensity (cps)	0	1e+11	2.2576e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.058872757	-0.073229064	Pass
Channel 1 vs. 2 Intercept	-50	50	-11.512501849	-11.064261741	Pass
Channel 3 vs. 2 Slope	-50	50	0.012644119	0.028022834	Pass
Channel 3 vs. 2 Intercept	-50	50	-4.773272912	-4.707318199	Pass
Channel 4 vs. 2 Slope	-50	50	-0.020372004	0.018223414	Pass
Channel 4 vs. 2 Intercept	-50	50	7.327042262	7.7171991	Pass

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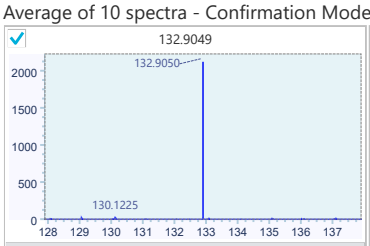
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	TurboIonSpray	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

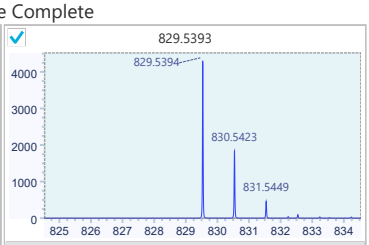
TOF MS Mass Check

Pass

Slope: 0.000489916281490785, previous was 0.000489908165563755
Delay: -13.4365200932953, previous was -13.4009953869716

Average of 10 spectra - Confirmation Mode Complete





Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9050	Pass
Resolution	21000	100000	27320	Pass
Sum Intensity (cps)	1000	1e+11	10656	Pass
Error (ppm)	-2.00	2.00	0.49849	Pass

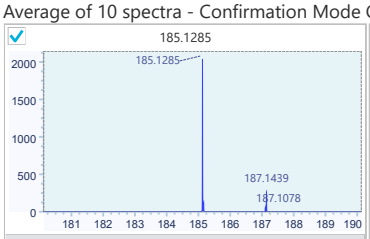
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5394	Pass
Resolution	29000	100000	41602	Pass
Sum Intensity (cps)	1000	1e+11	36737	Pass
Error (ppm)	-2.00	2.00	0.12718	Pass

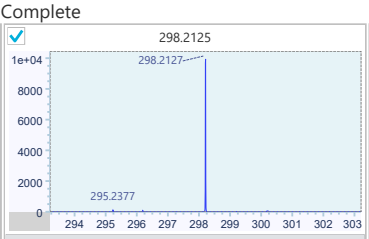
TOF MS/MS Mass Check

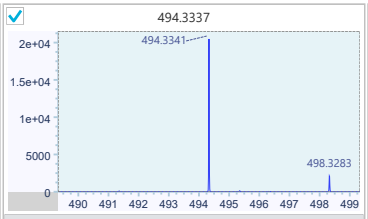
Pass

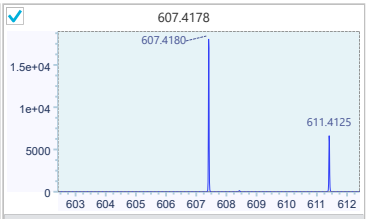
Slope: 0.000489915110831435, previous was 0.000489908054636502
Delay: -13.4686012177556, previous was -13.4114409308466

Average of 10 spectra - Confirmation Mode Complete









Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1285	Pass
Resolution	21000	100000	26816	Pass
Sum Intensity (cps)	100	1e+11	12223	Pass
Error (ppm)	-2.00	2.00	0.07594	Pass

Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2127	Pass
Resolution	22000	100000	33888	Pass
Sum Intensity (cps)	100	1e+11	61025	Pass
Error (ppm)	-2.00	2.00	0.77767	Pass

Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3341	Pass
Resolution	25000	100000	35554	Pass
Sum Intensity (cps)	100	1e+11	1.4968e+05	Pass
Error (ppm)	-2.00	2.00	0.82701	Pass

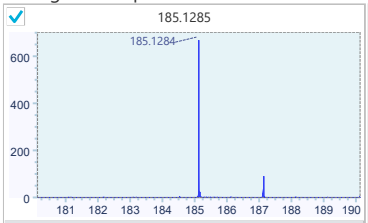
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4180	Pass
Resolution	26000	100000	35043	Pass
Sum Intensity (cps)	100	1e+11	1.4892e+05	Pass
Error (ppm)	-2.00	2.00	0.36325	Pass

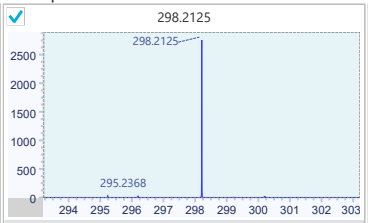
TOF MS/MS Mass Check Zeno On

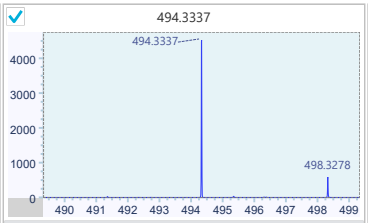
Pass

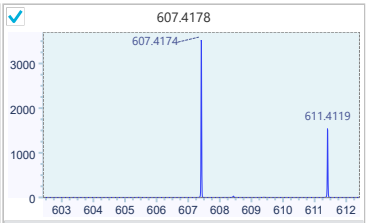
Slope: 0.000489915688508745, previous was 0.000489908830393694
Delay: -13.4604796656248, previous was -13.4194609870361

Average of 10 spectra - Confirmation Mode Complete









Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1284	Pass
Resolution	21000	100000	30119	Pass
Sum Intensity (cps)	100	1e+11	3783.4	Pass
Error (ppm)	-2.00	2.00	-0.76376	Pass

Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2125	Pass
Resolution	22000	100000	34094	Pass
Sum Intensity (cps)	100	1e+11	16250	Pass
Error (ppm)	-2.00	2.00	0.04434	Pass

Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3337	Pass
Resolution	25000	100000	32137	Pass
Sum Intensity (cps)	100	1e+11	35157	Pass
Error (ppm)	-2.00	2.00	0.00882	Pass

Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4174	Pass
Resolution	26000	100000	31891	Pass
Sum Intensity (cps)	100	1e+11	30314	Pass
Error (ppm)	-2.00	2.00	-0.69678	Pass