Instrument Tuning Report

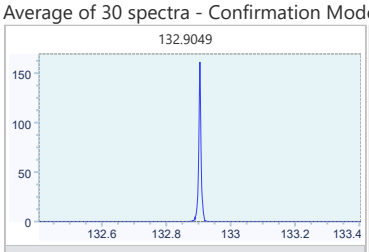
11/27/2024 2:21 PM

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		

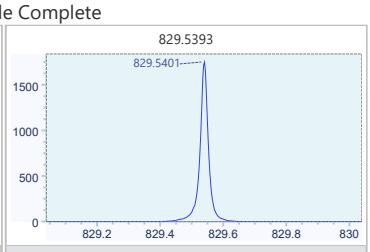
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490130536437662, previous was 0.000490130536437662 Delay: -13.4254055307119, previous was -13.4254055307119

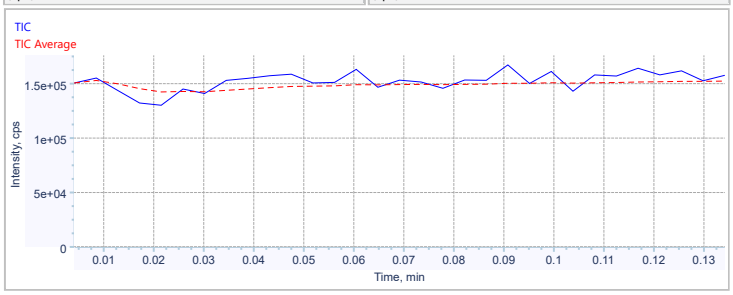
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9045	Pass
Sum Intensity (cps)	1000	1e+11	1203.2	Pass

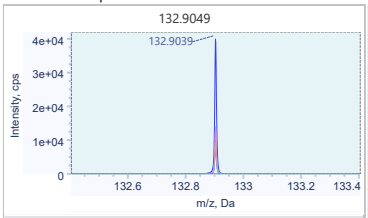


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5401	Pass
Sum Intensity (cps)	1000	1e+11	19774	Pass

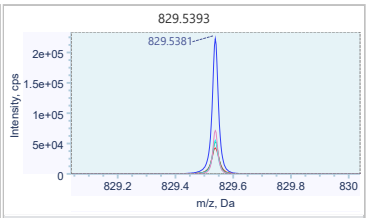


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9039	Pass
Resolution	0	100000	20730	Pass
Sum Intensity (cps)	0	1e+11	2.8204e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5381	Pass
Resolution	0	100000	37172	Pass
Sum Intensity (cps)	0	1e+11	2.2618e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.119485282	-0.119139684	Pass
Channel 1 vs. 2 Intercept	-50	50	-11.114224299	-11.486253921	Pass
Channel 3 vs. 2 Slope	-50	50	0.074387235	0.074692328	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.882896383	-3.974951393	Pass
Channel 4 vs. 2 Slope	-50	50	0.122129309	0.120450724	Pass
Channel 4 vs. 2 Intercept	-50	50	8.673461771	8.743521636	Pass

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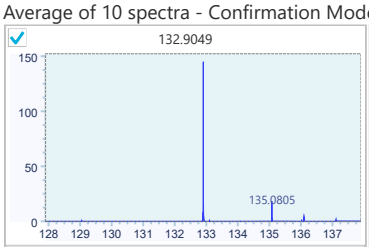
Instrument Name:	ZenoTOF™ 7600 System	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	TurboIonSpray	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

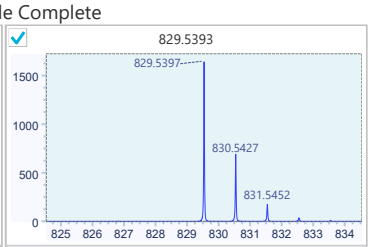
Pass

Slope: 0.000490129809255724, previous was 0.000490130536437662
Delay: -13.5022374475345, previous was -13.4254055307119

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9050	Pass
Resolution	21000	100000	22025	Pass
Sum Intensity (cps)	1000	1e+11	1013.8	Pass
Error (ppm)	-2.00	2.00	0.4938	Pass



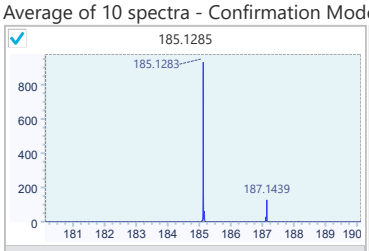
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5397	Pass
Resolution	29000	100000	33106	Pass
Sum Intensity (cps)	1000	1e+11	18550	Pass
Error (ppm)	-2.00	2.00	0.43168	Pass

TOF MS/MS Mass Check

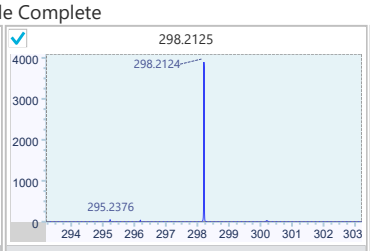
Pass

Slope: 0.000490128868515422, previous was 0.000490129002481264
Delay: -13.5044141887208, previous was -13.4916409322708

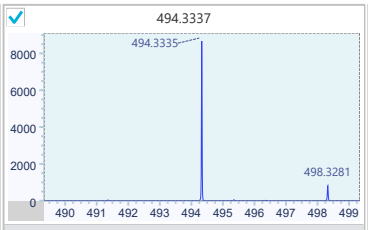
Average of 10 spectra - Confirmation Mode Complete



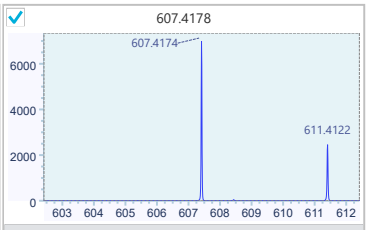
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1283	Pass
Resolution	21000	100000	22678	Pass
Sum Intensity (cps)	100	1e+11	7003.7	Pass
Error (ppm)	-2.00	2.00	-1.07193	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2124	Pass
Resolution	22000	100000	27251	Pass
Sum Intensity (cps)	100	1e+11	31129	Pass
Error (ppm)	-2.00	2.00	-0.25647	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3335	Pass
Resolution	25000	100000	30899	Pass
Sum Intensity (cps)	100	1e+11	77147	Pass
Error (ppm)	-2.00	2.00	-0.46904	Pass



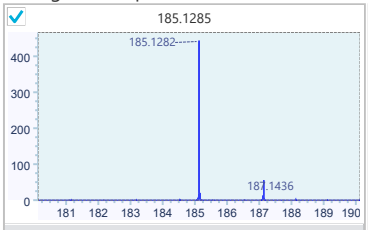
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4174	Pass
Resolution	26000	100000	29200	Pass
Sum Intensity (cps)	100	1e+11	73476	Pass
Error (ppm)	-2.00	2.00	-0.7405	Pass

TOF MS/MS Mass Check Zeno On

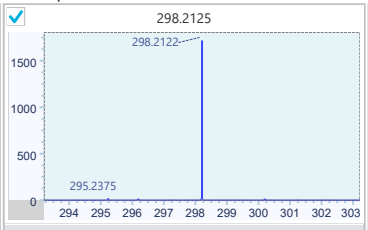
Pass

Slope: 0.000490129912855288, previous was 0.000490130878045357
Delay: -13.5000876329896, previous was -13.4961127261544

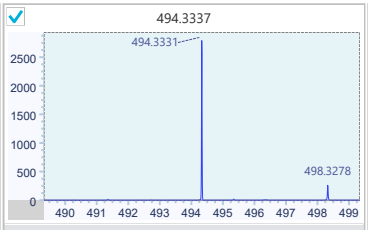
Average of 10 spectra - Confirmation Mode Complete



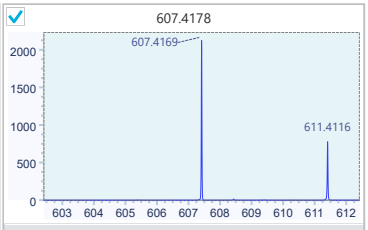
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1282	Pass
Resolution	21000	100000	24464	Pass
Sum Intensity (cps)	100	1e+11	3210.9	Pass
Error (ppm)	-2.00	2.00	-1.38338	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2122	Pass
Resolution	22000	100000	31003	Pass
Sum Intensity (cps)	100	1e+11	11444	Pass
Error (ppm)	-2.00	2.00	-1.12095	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3331	Pass
Resolution	25000	100000	31831	Pass
Sum Intensity (cps)	100	1e+11	22591	Pass
Error (ppm)	-2.00	2.00	-1.22998	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4169	Pass
Resolution	26000	100000	31728	Pass
Sum Intensity (cps)	100	1e+11	19573	Pass
Error (ppm)	-2.00	2.00	-1.41575	Pass