Instrument Tuning Report

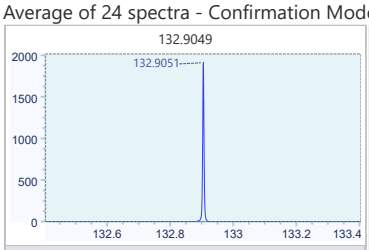
11/17/2024 8:26 AM

Instrument Name:	ZenoTOF™ 7600 System LC200	**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		

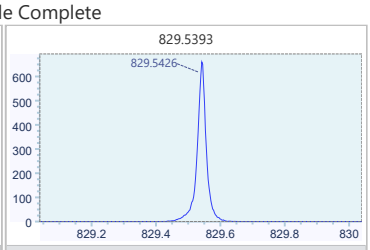
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490120351195117, previous was 0.000490120351195117 Delay: -13.4004801418039, previous was -13.4004801418039

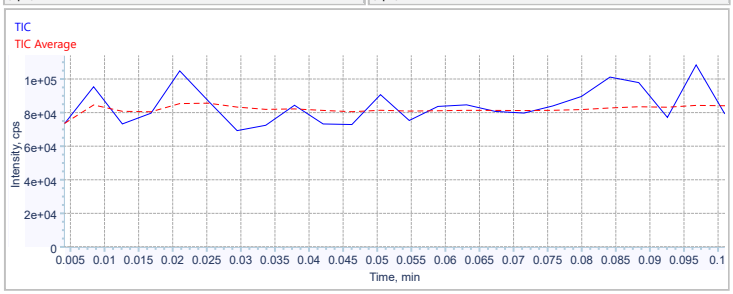
Average of 24 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9051	Pass
Sum Intensity (cps)	1000	1e+11	9092.6	Pass

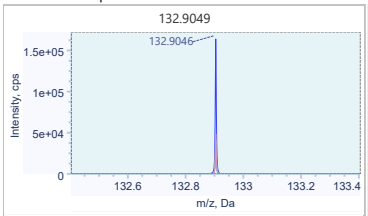


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5426	Pass
Sum Intensity (cps)	1000	1e+11	7718.6	Pass

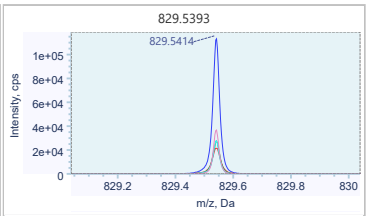


Step	Result	Details
Channel Alignment	**Pass**	

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9046	Pass
Resolution	0	100000	33675	Pass
Sum Intensity (cps)	0	1e+11	7.2203e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5414	Pass
Resolution	0	100000	32778	Pass
Sum Intensity (cps)	0	1e+11	1.2635e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.124177965	-0.120690492	Pass
Channel 1 vs. 2 Intercept	-50	50	-10.881652794	-10.468275146	Pass
Channel 3 vs. 2 Slope	-50	50	0.072168164	0.073129	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.866573919	-3.568834839	Pass
Channel 4 vs. 2 Slope	-50	50	0.11398883	0.1229249	Pass
Channel 4 vs. 2 Intercept	-50	50	9.222995419	9.08200405	Pass

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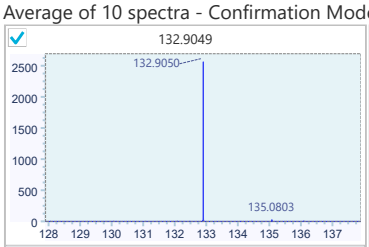
Instrument Name:	ZenoTOF™ 7600 System LC200	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

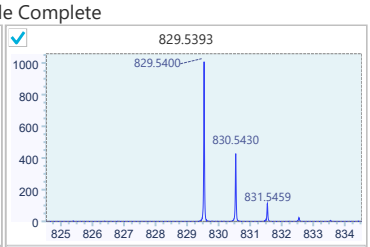
Pass

Slope: 0.000490119109922009, previous was 0.000490120351195117
Delay: -13.4435457615753, previous was -13.4004801418039

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9050	Pass
Resolution	21000	100000	29582	Pass
Sum Intensity (cps)	1000	1e+11	11826	Pass
Error (ppm)	-2.00	2.00	0.94754	Pass



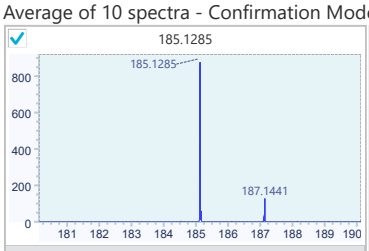
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5400	Pass
Resolution	29000	100000	33256	Pass
Sum Intensity (cps)	1000	1e+11	11296	Pass
Error (ppm)	-2.00	2.00	0.81497	Pass

TOF MS/MS Mass Check

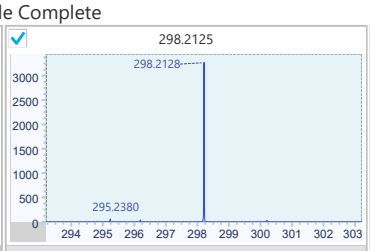
Pass

Slope: 0.000490117958121145, previous was 0.000490119979250965
Delay: -13.4769930435253, previous was -13.4471429657627

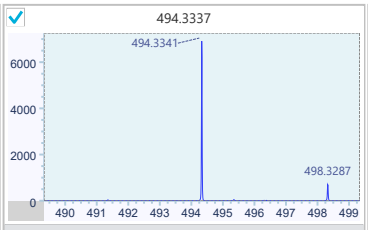
Average of 10 spectra - Confirmation Mode Complete



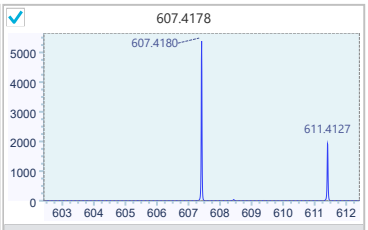
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1285	Pass
Resolution	21000	100000	23486	Pass
Sum Intensity (cps)	100	1e+11	6328.3	Pass
Error (ppm)	-2.00	2.00	0.26278	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2128	Pass
Resolution	22000	100000	26932	Pass
Sum Intensity (cps)	100	1e+11	26357	Pass
Error (ppm)	-2.00	2.00	1.00067	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3341	Pass
Resolution	25000	100000	29646	Pass
Sum Intensity (cps)	100	1e+11	64519	Pass
Error (ppm)	-2.00	2.00	0.87686	Pass



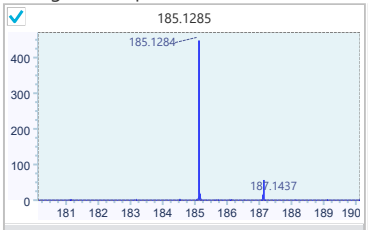
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4180	Pass
Resolution	26000	100000	28369	Pass
Sum Intensity (cps)	100	1e+11	58769	Pass
Error (ppm)	-2.00	2.00	0.33499	Pass

TOF MS/MS Mass Check Zeno On

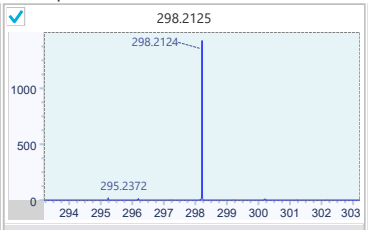
Pass

Slope: 0.000490119171212364, previous was 0.000490120837774385
Delay: -13.455220836718, previous was -13.4565806511591

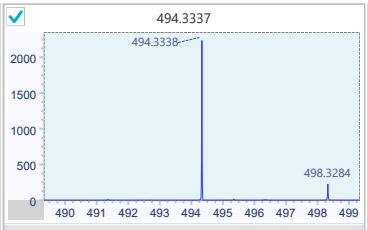
Average of 10 spectra - Confirmation Mode Complete



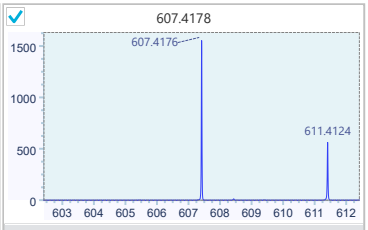
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1284	Pass
Resolution	21000	100000	25752	Pass
Sum Intensity (cps)	100	1e+11	2988.9	Pass
Error (ppm)	-2.00	2.00	-0.4049	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2124	Pass
Resolution	22000	100000	30901	Pass
Sum Intensity (cps)	100	1e+11	9594.2	Pass
Error (ppm)	-2.00	2.00	-0.48319	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3338	Pass
Resolution	25000	100000	31900	Pass
Sum Intensity (cps)	100	1e+11	18401	Pass
Error (ppm)	-2.00	2.00	0.11076	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4176	Pass
Resolution	26000	100000	30997	Pass
Sum Intensity (cps)	100	1e+11	14864	Pass
Error (ppm)	-2.00	2.00	-0.33594	Pass