Instrument Tuning Report

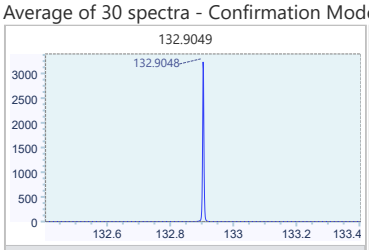
10/24/2024 1:30 PM

Instrument Name:	ZenoTOF™ 7600 System	**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		

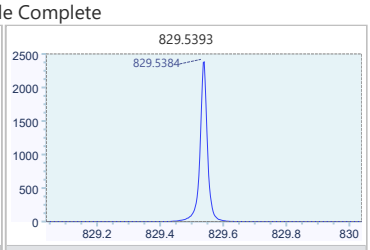
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490102425189461, previous was 0.000490102425189461 Delay: -13.46034855723, previous was -13.46034855723

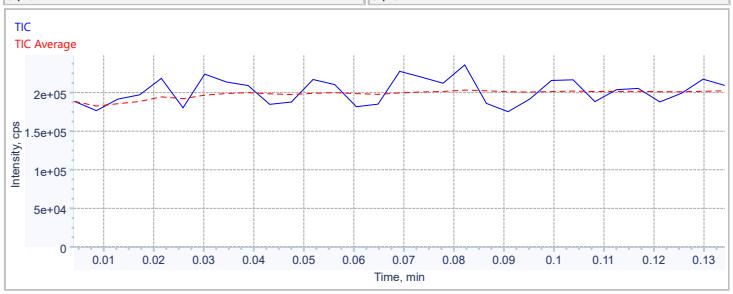
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9048	Pass
Sum Intensity (cps)	1000	1e+11	14537	Pass

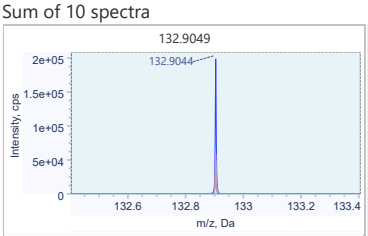


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5384	Pass
Sum Intensity (cps)	1000	1e+11	23126	Pass

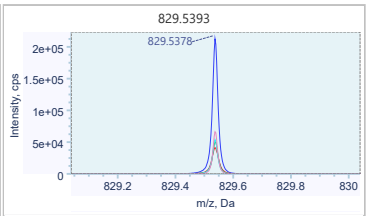


Channel Alignment **Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9044	Pass
Resolution	0	100000	36852	Pass
Sum Intensity (cps)	0	1e+11	7.851e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5378	Pass
Resolution	0	100000	40325	Pass
Sum Intensity (cps)	0	1e+11	1.9637e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.126227253	-0.125456582	Pass
Channel 1 vs. 2 Intercept	-50	50	-10.542220504	-10.753156757	Pass
Channel 3 vs. 2 Slope	-50	50	0.072590348	0.073699958	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.631603363	-3.749719316	Pass
Channel 4 vs. 2 Slope	-50	50	0.116171189	0.1195739	Pass
Channel 4 vs. 2 Intercept	-50	50	9.272105403	8.702500278	Pass

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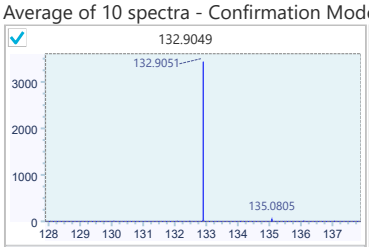
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

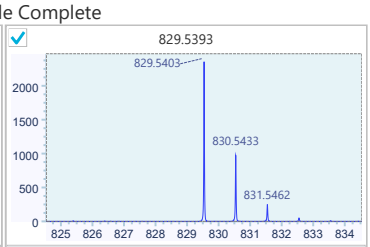
Pass

Slope: 0.00049010248950908, previous was 0.000490102425189461
Delay: -13.4517952035879, previous was -13.46034855723

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9051	Pass
Resolution	21000	100000	30123	Pass
Sum Intensity (cps)	1000	1e+11	15456	Pass
Error (ppm)	-2.00	2.00	1.35871	Pass



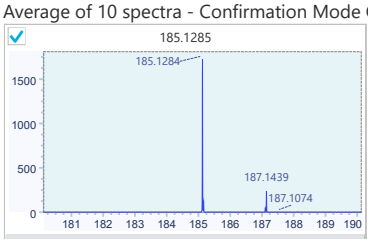
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5403	Pass
Resolution	29000	100000	37518	Pass
Sum Intensity (cps)	1000	1e+11	23012	Pass
Error (ppm)	-2.00	2.00	1.20519	Pass

TOF MS/MS Mass Check

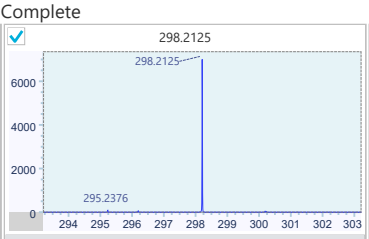
Pass

Slope: 0.000490101551950563, previous was 0.000490101678289791
Delay: -13.4808324288948, previous was -13.4777224599844

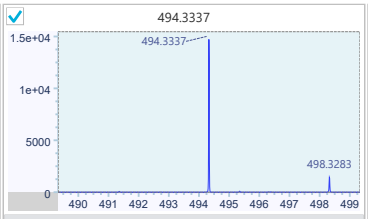
Average of 10 spectra - Confirmation Mode Complete



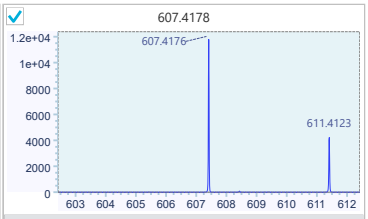
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1284	Pass
Resolution	21000	100000	25421	Pass
Sum Intensity (cps)	100	1e+11	11304	Pass
Error (ppm)	-2.00	2.00	-0.40898	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2125	Pass
Resolution	22000	100000	31300	Pass
Sum Intensity (cps)	100	1e+11	47548	Pass
Error (ppm)	-2.00	2.00	0.16343	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3337	Pass
Resolution	25000	100000	33877	Pass
Sum Intensity (cps)	100	1e+11	1.1669e+05	Pass
Error (ppm)	-2.00	2.00	-0.04607	Pass



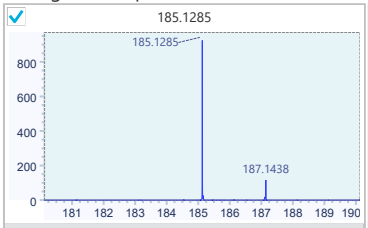
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4176	Pass
Resolution	26000	100000	32687	Pass
Sum Intensity (cps)	100	1e+11	1.0779e+05	Pass
Error (ppm)	-2.00	2.00	-0.32851	Pass

TOF MS/MS Mass Check Zeno On

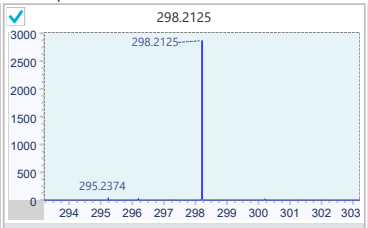
Pass

Slope: 0.000490102775985005, previous was 0.000490102702566802
Delay: -13.464094087671, previous was -13.4605135351005

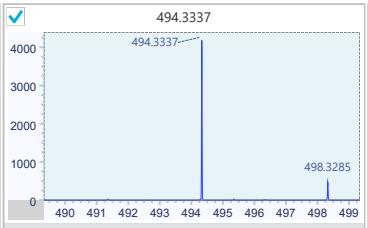
Average of 10 spectra - Confirmation Mode Complete



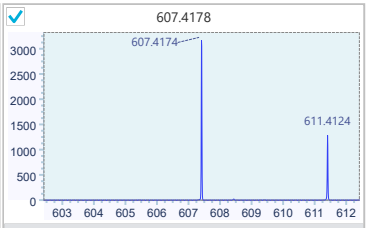
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1285	Pass
Resolution	21000	100000	28543	Pass
Sum Intensity (cps)	100	1e+11	5484.8	Pass
Error (ppm)	-2.00	2.00	-0.10107	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2125	Pass
Resolution	22000	100000	33426	Pass
Sum Intensity (cps)	100	1e+11	17549	Pass
Error (ppm)	-2.00	2.00	-0.10048	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3337	Pass
Resolution	25000	100000	31319	Pass
Sum Intensity (cps)	100	1e+11	33401	Pass
Error (ppm)	-2.00	2.00	-0.00456	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4174	Pass
Resolution	26000	100000	32048	Pass
Sum Intensity (cps)	100	1e+11	27539	Pass
Error (ppm)	-2.00	2.00	-0.66343	Pass