Instrument Tuning Report

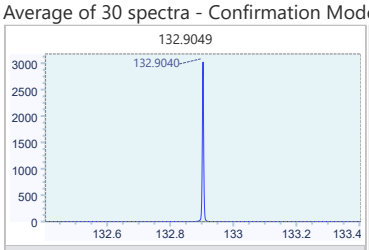
11/7/2024 9:16 AM

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		

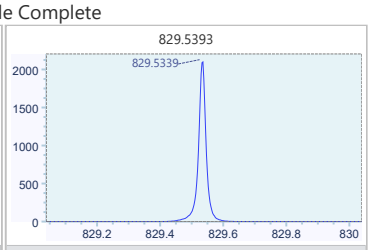
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.00049011030874611, previous was 0.00049011030874611 Delay: -13.4671347450144, previous was -13.4671347450144

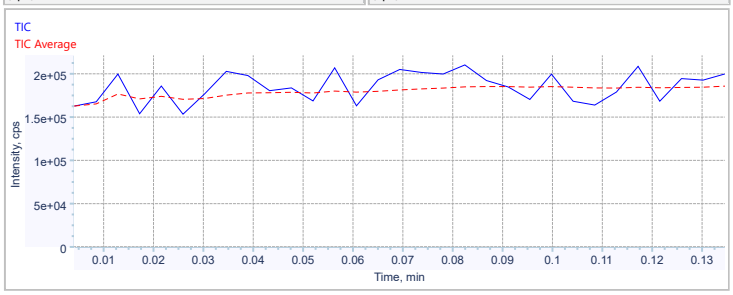
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9040	Pass
Sum Intensity (cps)	1000	1e+11	13496	Pass

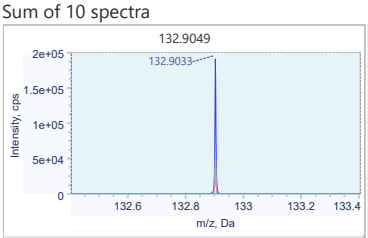


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5339	Pass
Sum Intensity (cps)	1000	1e+11	21408	Pass

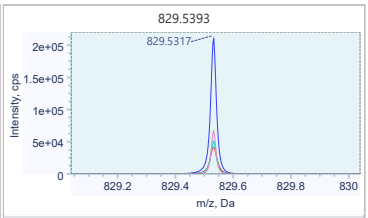


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9033	Pass
Resolution	0	100000	35219	Pass
Sum Intensity (cps)	0	1e+11	8.0443e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5317	Pass
Resolution	0	100000	38728	Pass
Sum Intensity (cps)	0	1e+11	2.0173e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.116939523	-0.1197452 97	Pass
Channel 1 vs. 2 Intercept	-50	50	-11.224189526	-10.721559109	Pass
Channel 3 vs. 2 Slope	-50	50	0.076910727	0.074859759	Pass
Channel 3 vs. 2 Intercept	-50	50	-4.020222843	-3.499558128	Pass
Channel 4 vs. 2 Slope	-50	50	0.127032243	0.128612683	Pass
Channel 4 vs. 2 Intercept	-50	50	9.073261544	8.991643884	Pass

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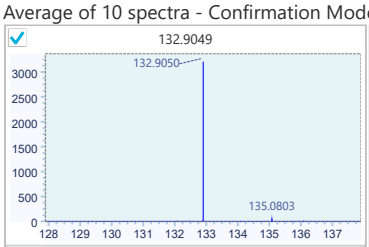
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

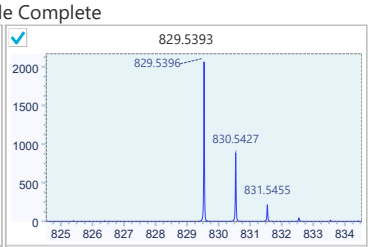
TOF MS Mass Check — Pass

Slope: 0.000490112057072611, previous was 0.00049011030874611
Delay: -13.4590592013146, previous was -13.4671347450144

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9050	Pass
Resolution	21000	100000	30583	Pass
Sum Intensity (cps)	1000	1e+11	14247	Pass
Error (ppm)	-2.00	2.00	0.37887	Pass

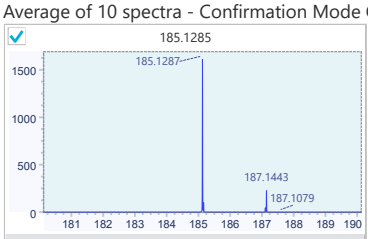


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5396	Pass
Resolution	29000	100000	36238	Pass
Sum Intensity (cps)	1000	1e+11	21000	Pass
Error (ppm)	-2.00	2.00	0.41763	Pass

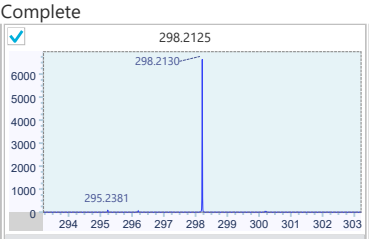
TOF MS/MS Mass Check — Pass

Slope: 0.000490111222191447, previous was 0.000490109247627954
Delay: -13.4907251313278, previous was -13.4950844003287

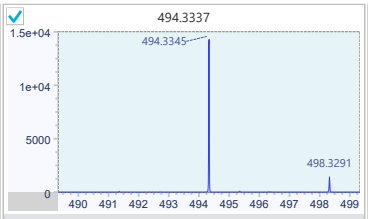
Average of 10 spectra - Confirmation Mode Complete



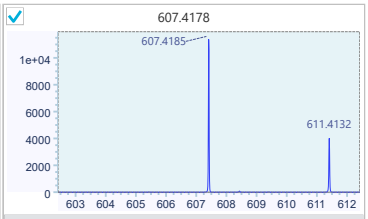
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1287	Pass
Resolution	21000	100000	24319	Pass
Sum Intensity (cps)	100	1e+11	11212	Pass
Error (ppm)	-2.00	2.00	1.15891	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2130	Pass
Resolution	22000	100000	30081	Pass
Sum Intensity (cps)	100	1e+11	46972	Pass
Error (ppm)	-2.00	2.00	1.80563	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3345	Pass
Resolution	25000	100000	33368	Pass
Sum Intensity (cps)	100	1e+11	1.144e+05	Pass
Error (ppm)	-2.00	2.00	1.54561	Pass

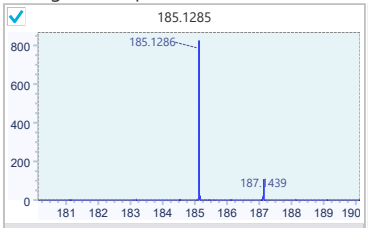


Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4185	Pass
Resolution	26000	100000	32020	Pass
Sum Intensity (cps)	100	1e+11	1.0608e+05	Pass
Error (ppm)	-2.00	2.00	1.07204	Pass

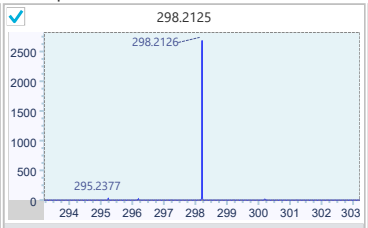
TOF MS/MS Mass Check Zeno On — Pass

Slope: 0.000490112298042014, previous was 0.000490110468318482
Delay: -13.4610882936109, previous was -13.4615987827408

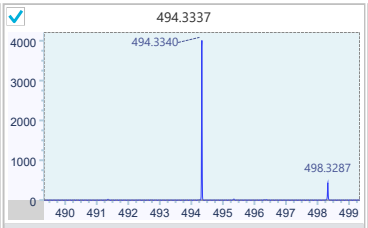
Average of 10 spectra - Confirmation Mode Complete



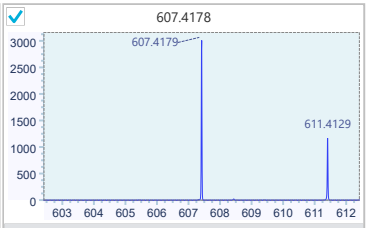
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1286	Pass
Resolution	21000	100000	27317	Pass
Sum Intensity (cps)	100	1e+11	5087.7	Pass
Error (ppm)	-2.00	2.00	0.50299	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2126	Pass
Resolution	22000	100000	32756	Pass
Sum Intensity (cps)	100	1e+11	16489	Pass
Error (ppm)	-2.00	2.00	0.3973	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3340	Pass
Resolution	25000	100000	31864	Pass
Sum Intensity (cps)	100	1e+11	31431	Pass
Error (ppm)	-2.00	2.00	0.65089	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4179	Pass
Resolution	26000	100000	32610	Pass
Sum Intensity (cps)	100	1e+11	26076	Pass
Error (ppm)	-2.00	2.00	0.17061	Pass