Instrument Tuning Report

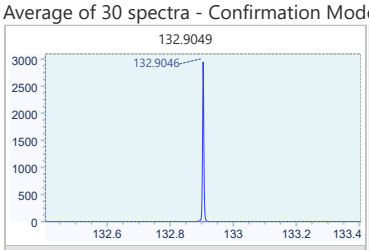
10/29/2024 10:43 AM

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		

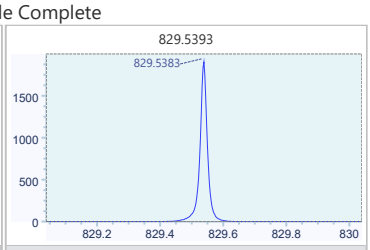
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490104715917106, previous was 0.000490104715917106 Delay: -13.4520306749997, previous was -13.4520306749997

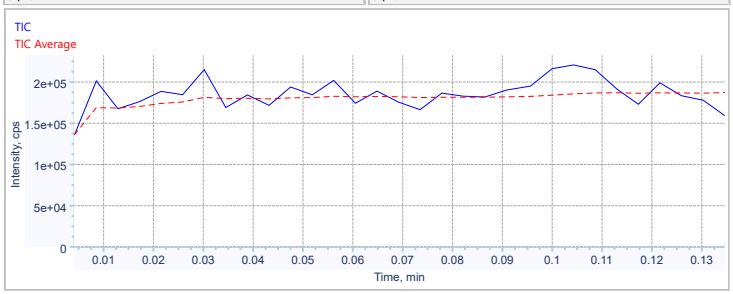
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9046	Pass
Sum Intensity (cps)	1000	1e+11	12839	Pass

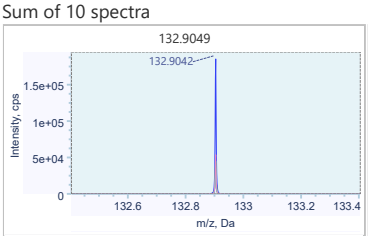


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5383	Pass
Sum Intensity (cps)	1000	1e+11	18820	Pass

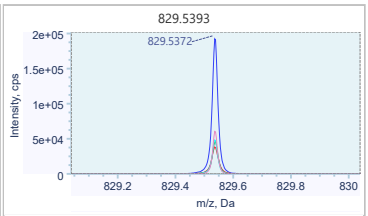


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9042	Pass
Resolution	0	100000	35606	Pass
Sum Intensity (cps)	0	1e+11	7.6197e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5372	Pass
Resolution	0	100000	39278	Pass
Sum Intensity (cps)	0	1e+11	1.8144e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.123566735	-0.12521812	Pass
Channel 1 vs. 2 Intercept	-50	50	-10.680500117	-10.257904335	Pass
Channel 3 vs. 2 Slope	-50	50	0.073143452	0.075747727	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.555585587	-3.836817511	Pass
Channel 4 vs. 2 Slope	-50	50	0.125310911	0.128812663	Pass
Channel 4 vs. 2 Intercept	-50	50	9.110417281	8.764401363	Pass

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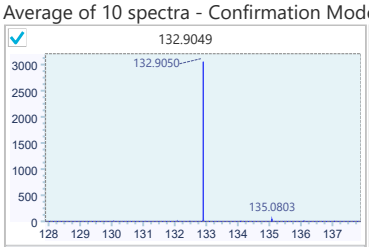
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

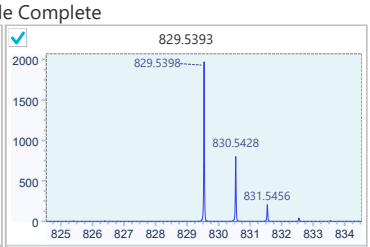
Pass

Slope: 0.000490104999979427, previous was 0.000490104715917106
Delay: -13.4656499865628, previous was -13.4520306749997

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9050	Pass
Resolution	21000	100000	30639	Pass
Sum Intensity (cps)	1000	1e+11	13479	Pass
Error (ppm)	-2.00	2.00	0.63189	Pass



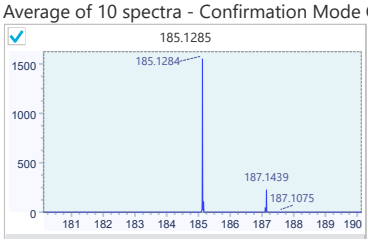
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5398	Pass
Resolution	29000	100000	37259	Pass
Sum Intensity (cps)	1000	1e+11	19411	Pass
Error (ppm)	-2.00	2.00	0.60116	Pass

TOF MS/MS Mass Check

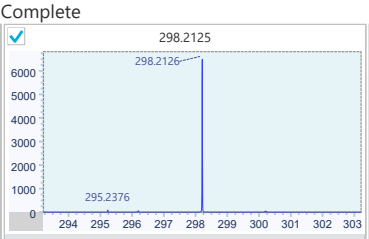
Pass

Slope: 0.000490103899074133, previous was 0.000490103485882046
Delay: -13.489058160333, previous was -13.4865775742939

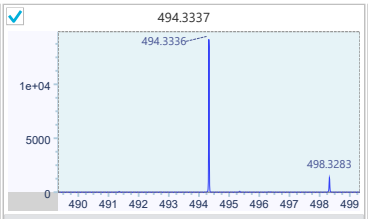
Average of 10 spectra - Confirmation Mode Complete



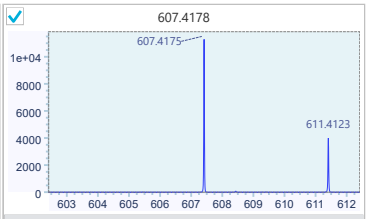
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1284	Pass
Resolution	21000	100000	24557	Pass
Sum Intensity (cps)	100	1e+11	10588	Pass
Error (ppm)	-2.00	2.00	-0.63395	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2126	Pass
Resolution	22000	100000	30744	Pass
Sum Intensity (cps)	100	1e+11	44996	Pass
Error (ppm)	-2.00	2.00	0.22969	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3336	Pass
Resolution	25000	100000	34384	Pass
Sum Intensity (cps)	100	1e+11	1.1034e+05	Pass
Error (ppm)	-2.00	2.00	-0.19351	Pass



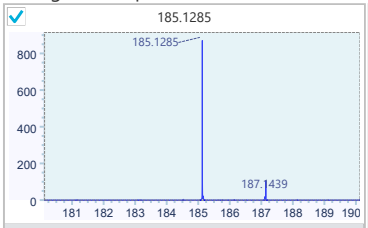
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4175	Pass
Resolution	26000	100000	32773	Pass
Sum Intensity (cps)	100	1e+11	1.0302e+05	Pass
Error (ppm)	-2.00	2.00	-0.55352	Pass

TOF MS/MS Mass Check Zeno On

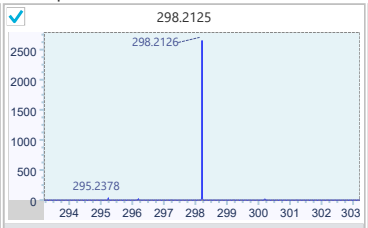
Pass

Slope: 0.000490105275456648, previous was 0.000490104800406062
Delay: -13.4721739798397, previous was -13.4645892335978

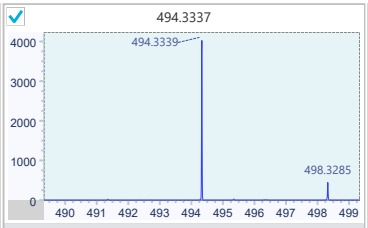
Average of 10 spectra - Confirmation Mode Complete



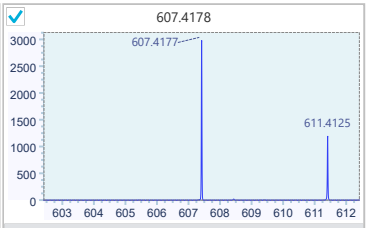
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1285	Pass
Resolution	21000	100000	29685	Pass
Sum Intensity (cps)	100	1e+11	4972.5	Pass
Error (ppm)	-2.00	2.00	0.04913	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2126	Pass
Resolution	22000	100000	32732	Pass
Sum Intensity (cps)	100	1e+11	16259	Pass
Error (ppm)	-2.00	2.00	0.1787	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3339	Pass
Resolution	25000	100000	32229	Pass
Sum Intensity (cps)	100	1e+11	31146	Pass
Error (ppm)	-2.00	2.00	0.41522	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4177	Pass
Resolution	26000	100000	32425	Pass
Sum Intensity (cps)	100	1e+11	25874	Pass
Error (ppm)	-2.00	2.00	-0.21178	Pass