Assay Class:	mRNA Pico
Data Path:	C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad

Created: 9/20/2017 11:16:01 AM
Modified: 9/20/2017 11:42:03 AM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name:	DE13701086	Firmware:	C.01.069
Serial#:	DE13701086	Type:	G2938B

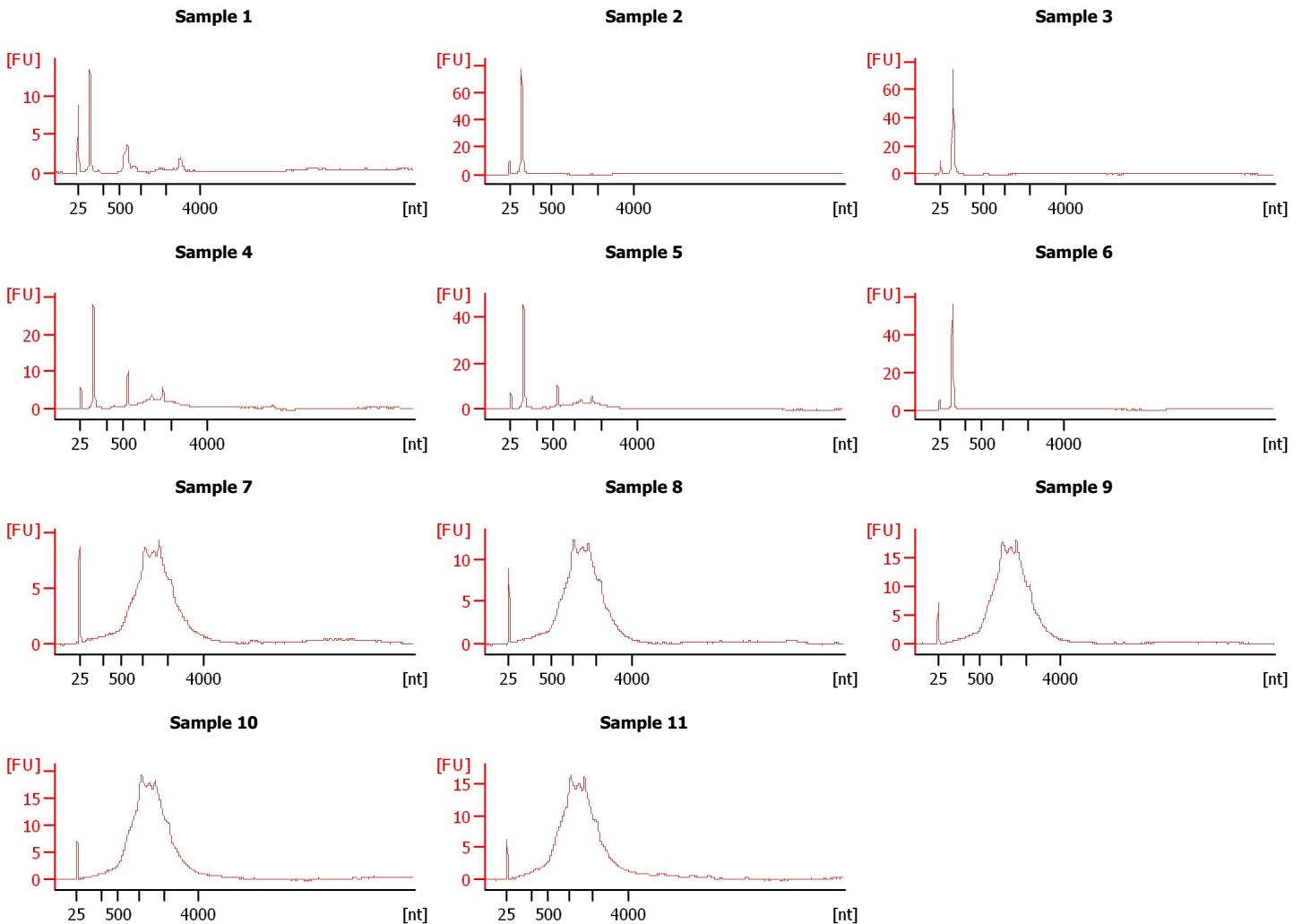Assay Information:

Assay Origin Path:	C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy
Assay Class:	mRNA Pico
Version:	2.6
Assay Comments:	mRNA Analysis pg sensitivity

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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

Sample 1   **Sample 2**   **Sample 3**

Sample 4   **Sample 5**   **Sample 6**

Sample 7   **Sample 8**   **Sample 9**

Sample 10   **Sample 11**

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad

Created: 9/20/2017 11:16:01 AM
Modified: 9/20/2017 11:42:03 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✔		
Sample 2		✔		
Sample 3		✔		
Sample 4		✔		
Sample 5		✔		
Sample 6		✔		
Sample 7		✔		
Sample 8		✔		
Sample 9		✔		
Sample 10		✔		
Sample 11		✔		
Ladder		✔		

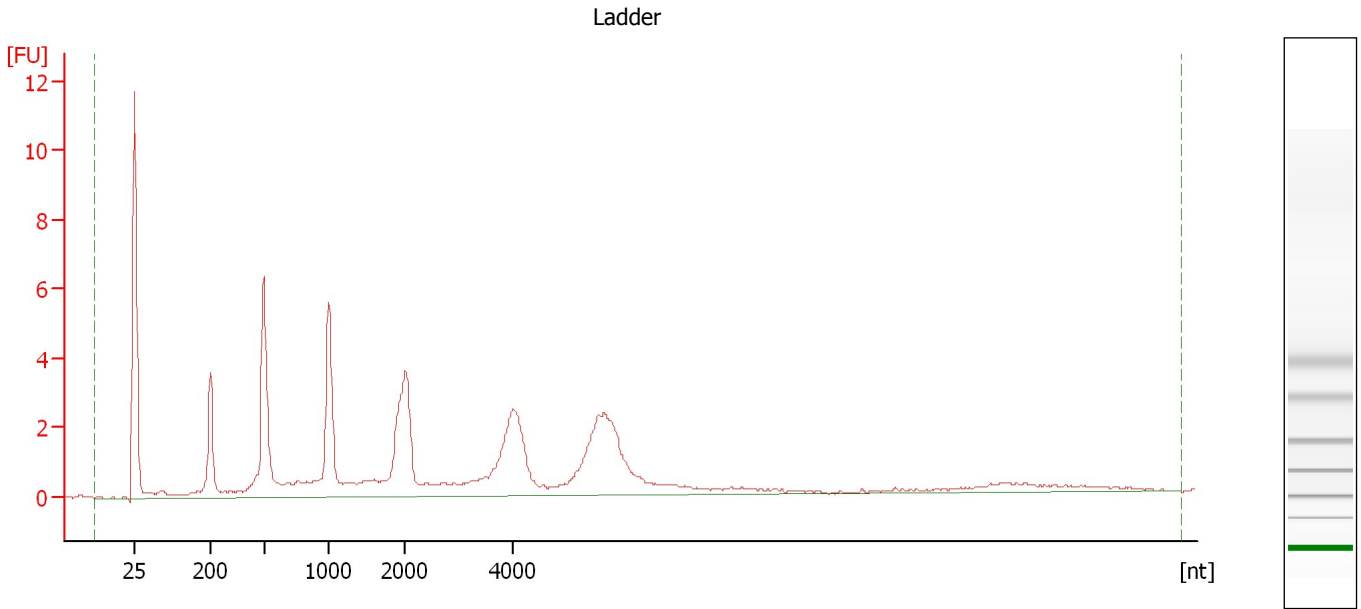**Chip Lot #**   **Reagent Kit Lot #**

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad

Created: 9/20/2017 11:16:01 AM
Modified: 9/20/2017 11:42:03 AM

Electropherogram Summary

Ladder

Overall Results for Ladder
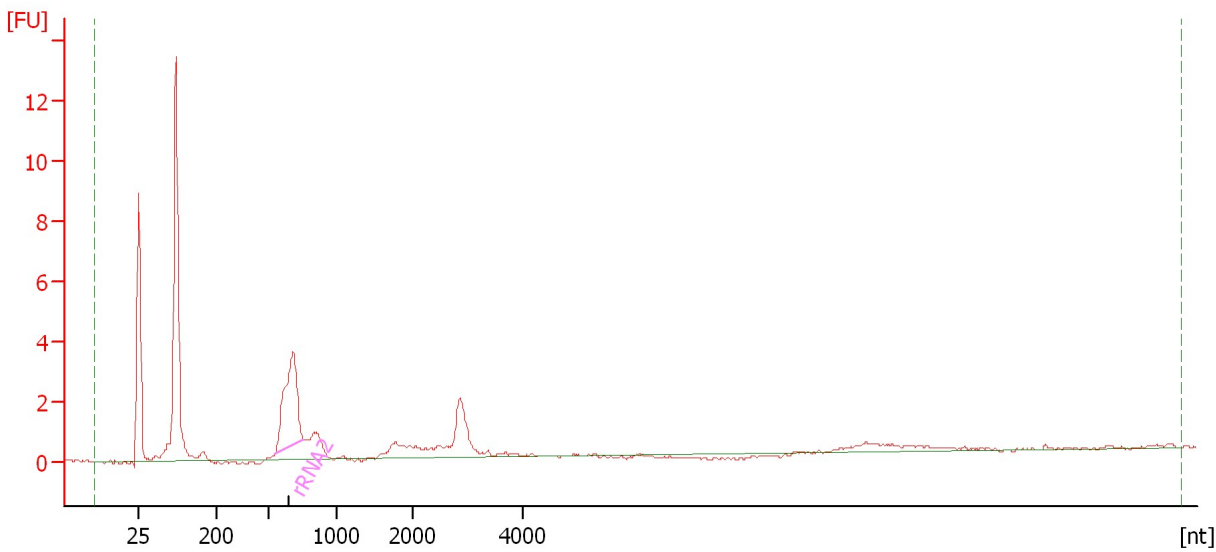
RNA Area: 83.2   RNA Concentration: 1,000 pg/µl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad

Created: 9/20/2017 11:16:01 AM
Modified: 9/20/2017 11:42:03 AM

Electropherogram Summary Continued ...

Sample 1

Overall Results for sample 1 :   Sample 1

RNA Area:	52.4	rRNA Contamination:	19.6 %
RNA Concentration:	629 pg/µl		

Fragment table for sample 1 :   Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	540	757	10.3	19.6

Printed: 9/20/2017 11:43:54 AM

Assay Class: mRNA Pico   Created: 9/20/2017 11:16:01 AM
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad   Modified: 9/20/2017 11:42:03 AM

Electropherogram Summary Continued ...
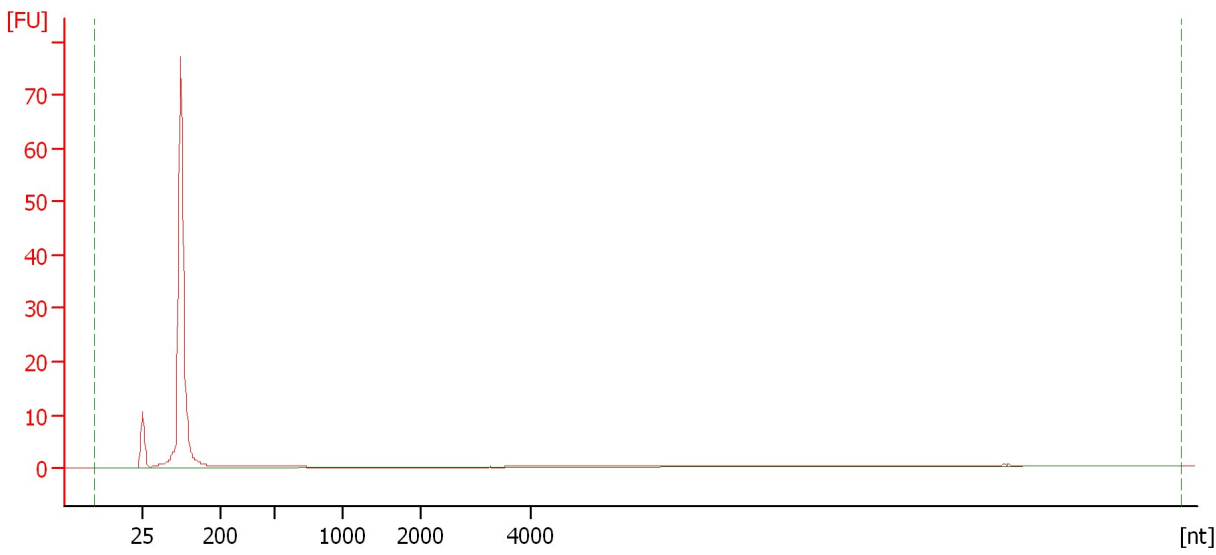
Sample 2

Overall Results for sample 2 :   Sample 2

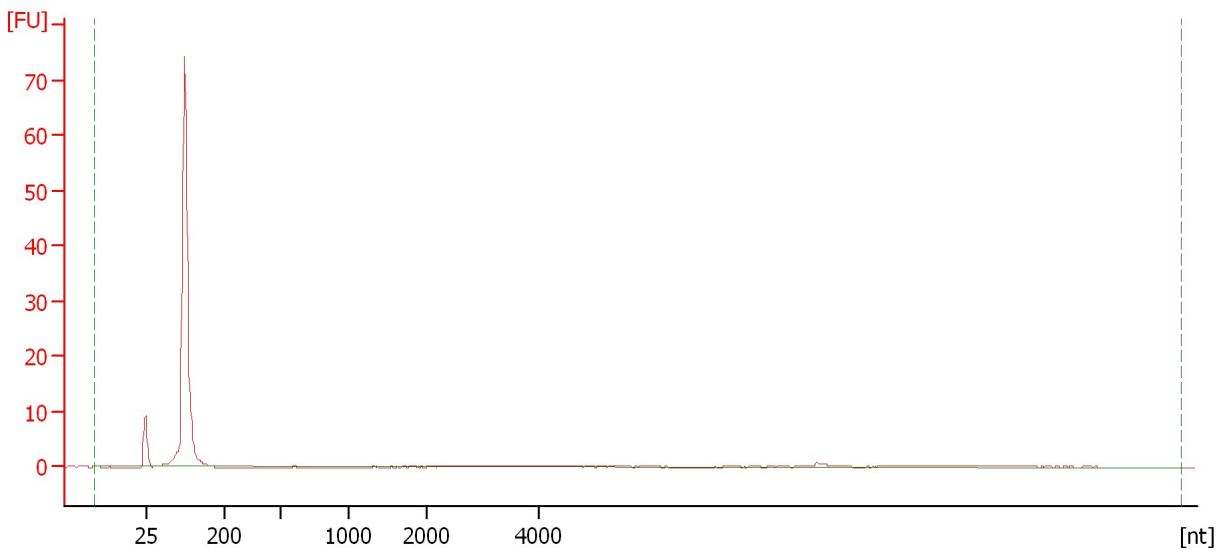RNA Area: 172.9   rRNA Contamination: 0.0 %
RNA Concentration: 2,077 pg/µl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad

Created: 9/20/2017 11:16:01 AM
Modified: 9/20/2017 11:42:03 AM

Electropherogram Summary Continued ...

Sample 3
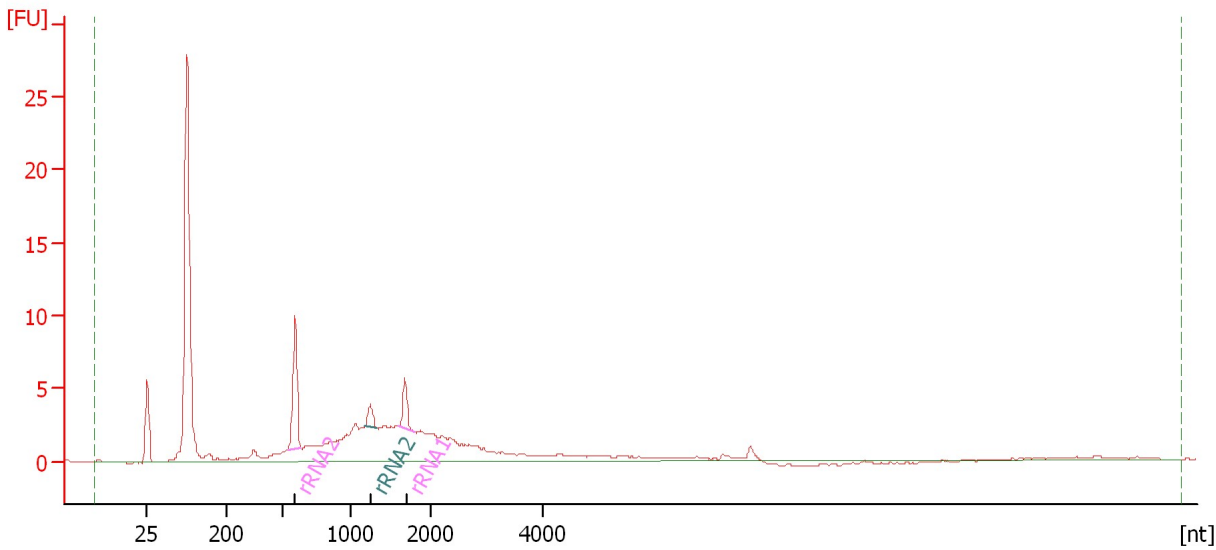

Overall Results for sample 3 :   Sample 3

RNA Area:	154.5	rRNA Contamination:	0.0 %
RNA Concentration:	1,856 pg/µl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad   Created: 9/20/2017 11:16:01 AM
                                                                                                      Modified: 9/20/2017 11:42:03 AM

Electropherogram Summary Continued ...

Sample 4

Overall Results for sample 4 :   Sample 4

RNA Area: 143.4   rRNA Contamination: 10.2 %
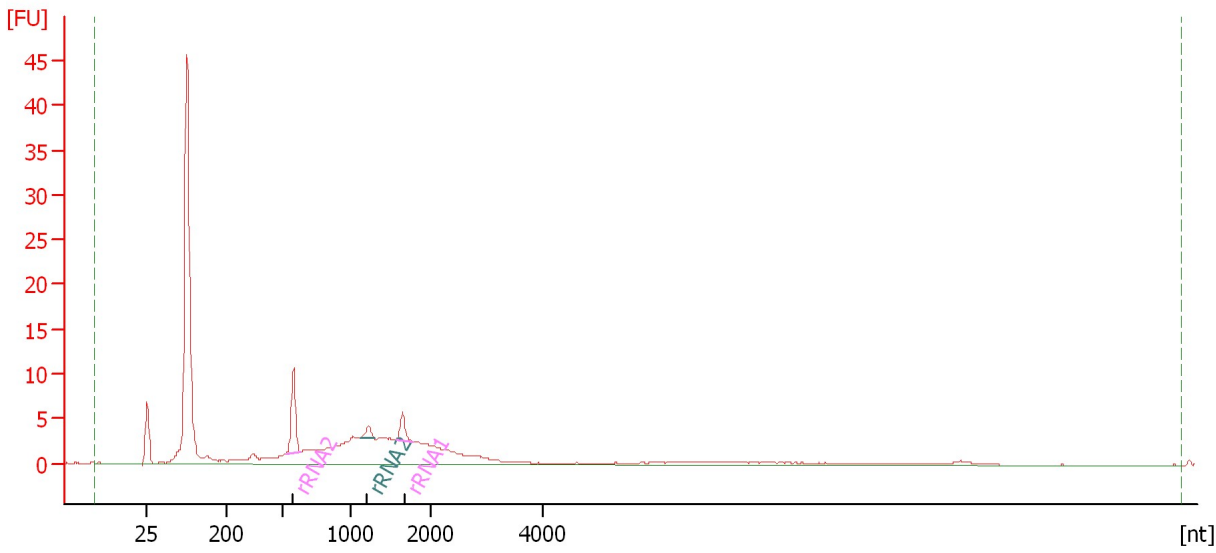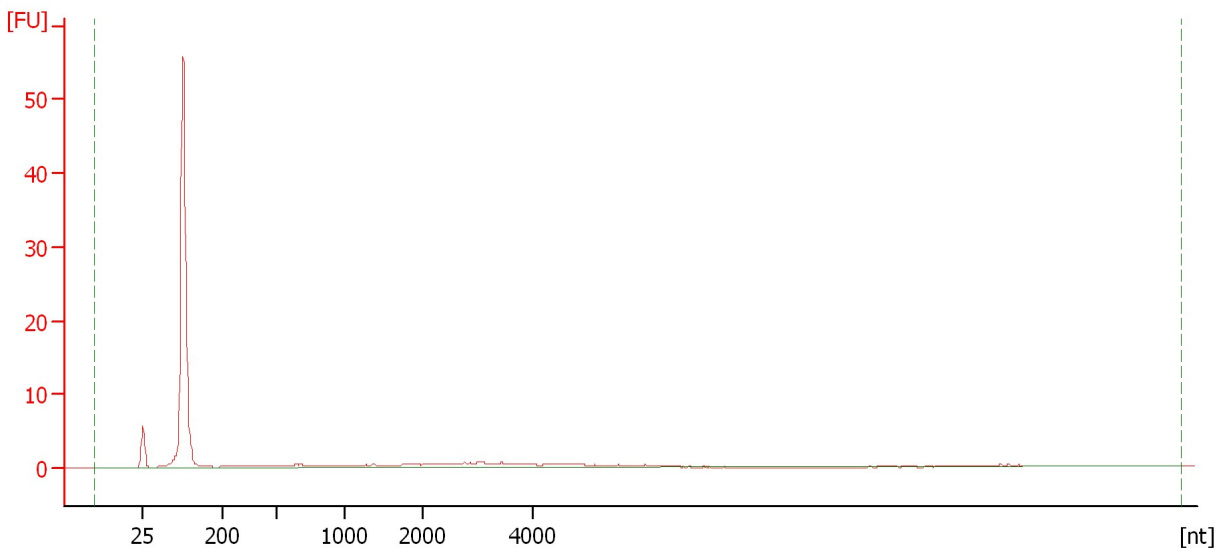RNA Concentration: 1,723 pg/µl

Fragment table for sample 4 :   Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	540	640	9.8	6.8
rRNA2	1,183	1,323	1.6	1.1
rRNA1	1,603	1,802	3.2	2.2

Electropherogram Summary Continued ...

Sample 5

Overall Results for sample 5 :   Sample 5

RNA Area:	187.7	rRNA Contamination:	8.0 %
RNA Concentration:	2,255 pg/µl		

Fragment table for sample 5 :   Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	529	634	10.3	5.5
rRNA2	1,133	1,303	1.5	0.8
rRNA1	1,573	1,782	3.2	1.7

Electropherogram Summary Continued ...

Sample 6

Overall Results for sample 6 :   Sample 6

RNA Area:	127.2	rRNA Contamination:	0.0 %
RNA Concentration:	1,529 pg/µl		

Electropherogram Summary Continued ...
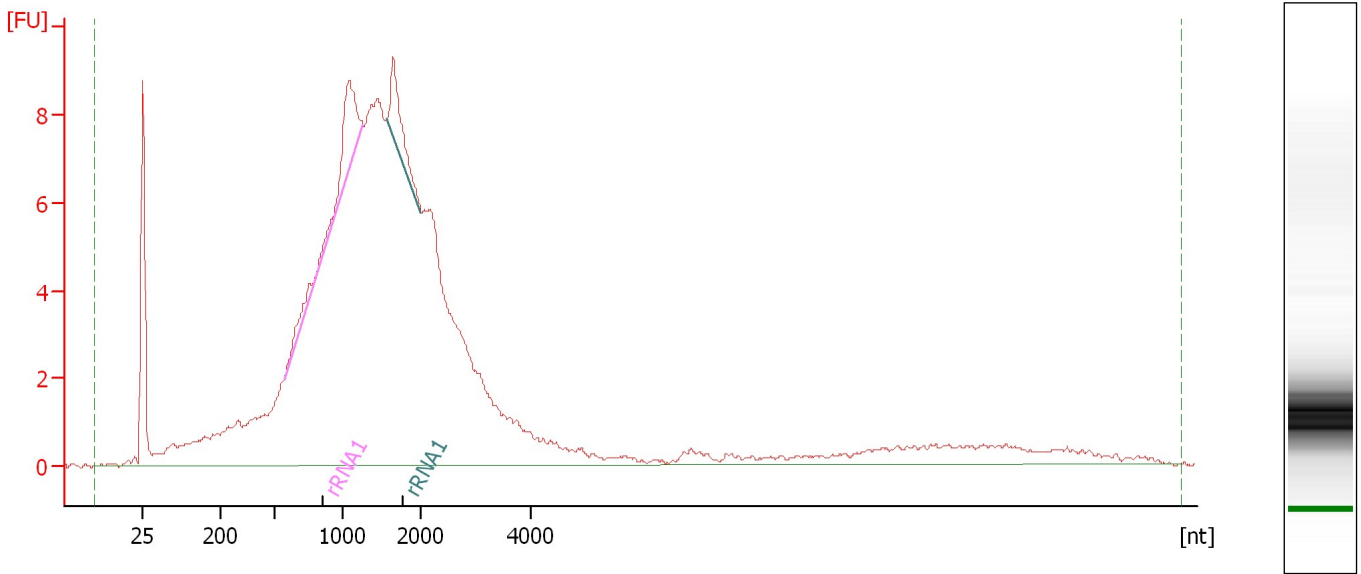
Sample 7

Overall Results for sample 7 :   Sample 7

RNA Area:	256.6	rRNA Contamination:	4.3 %
RNA Concentration:	3,083 pg/µl		

Fragment table for sample 7 :   Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	568	1,257	7.2	2.8
rRNA1	1,571	2,011	3.8	1.5

Electropherogram Summary Continued ...
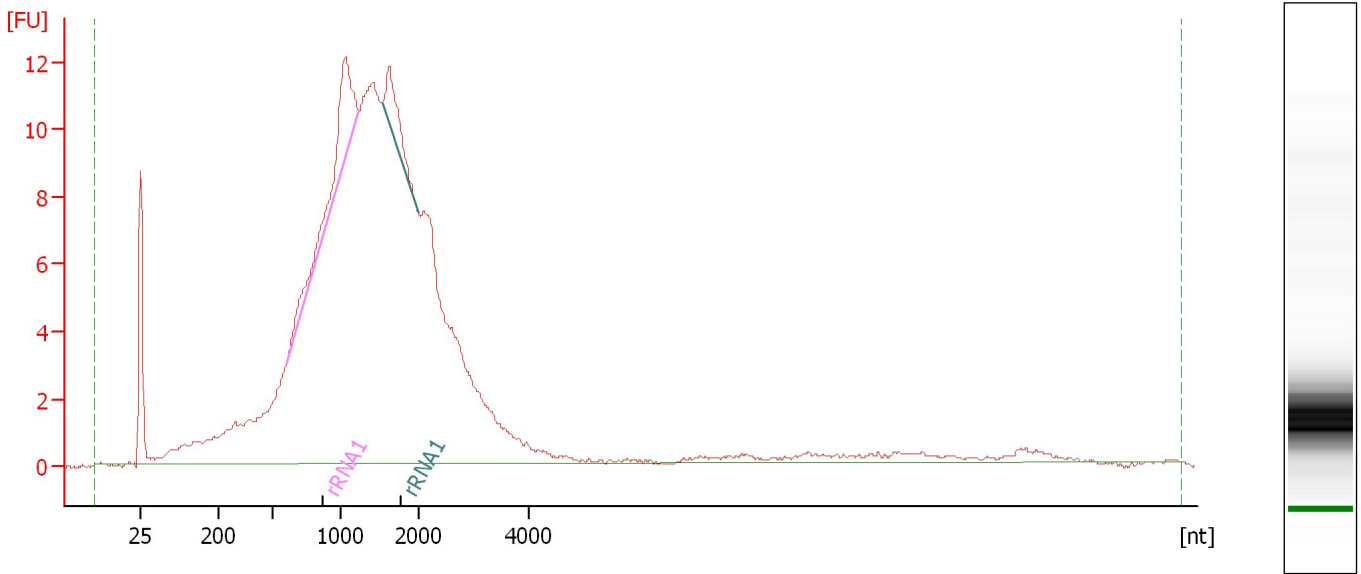
Sample 8

Overall Results for sample 8 :   Sample 8

RNA Area:	320.8	rRNA Contamination:	5.3 %
RNA Concentration:	3,854 pg/µl		

Fragment table for sample 8 :   Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	604	1,251	12.5	3.9
rRNA1	1,547	2,009	4.6	1.4

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad

Created: 9/20/2017 11:16:01 AM
Modified: 9/20/2017 11:42:03 AM

Electropherogram Summary Continued ...

Sample 9
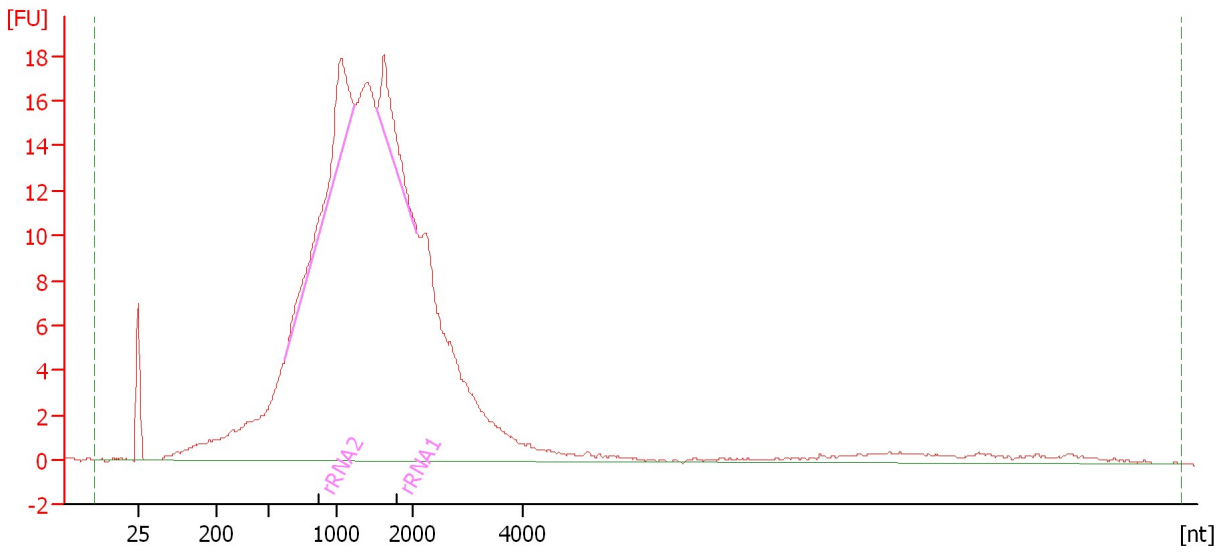
Overall Results for sample 9 :   Sample 9

RNA Area:	464.8	rRNA Contamination:	5.7 %
RNA Concentration:	5,584 pg/µl		

Fragment table for sample 9 :   Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	613	1,253	17.8	3.8
rRNA1	1,531	2,078	8.9	1.9

Assay Class: mRNA Pico   Created: 9/20/2017 11:16:01 AM
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad   Modified: 9/20/2017 11:42:03 AM

Electropherogram Summary Continued ...

Sample 10

Overall Results for sample 10 :   Sample 10

RNA Area: 497.4   rRNA Contamination: 6.8 %
RNA Concentration: 5,976 pg/µl
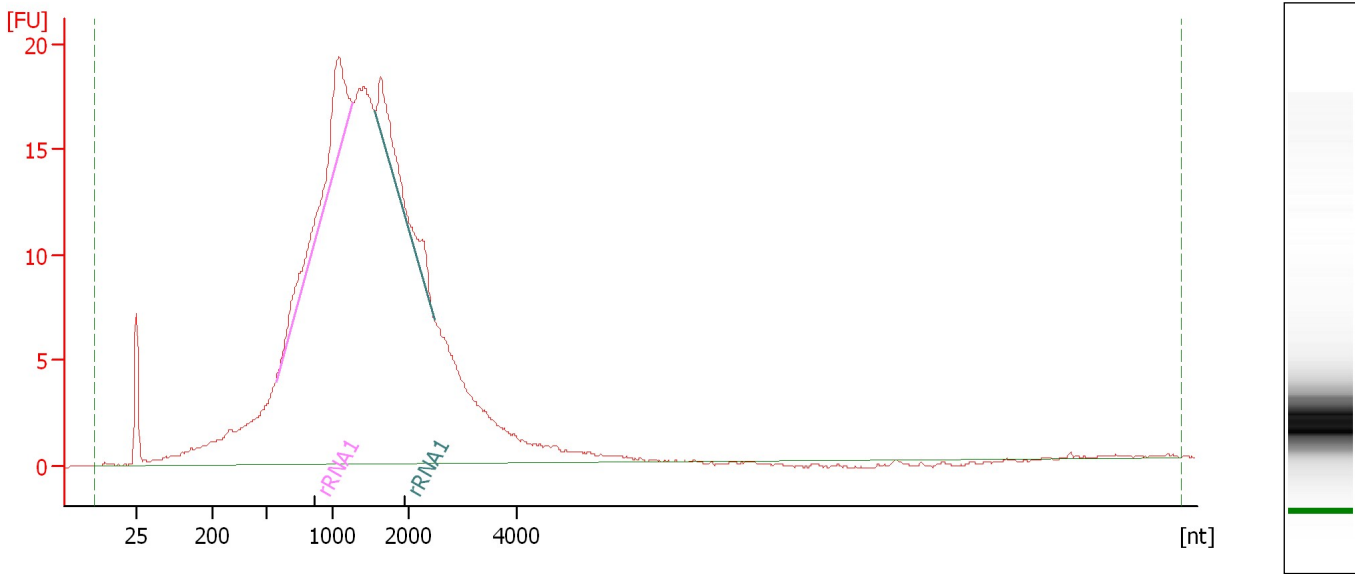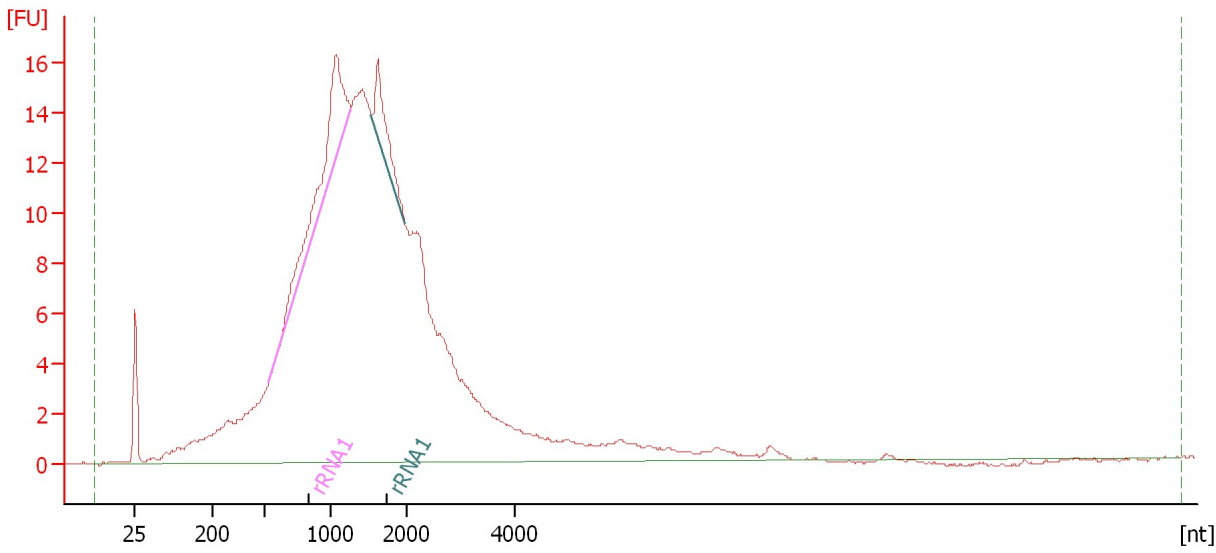
Fragment table for sample 10 :   Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	573	1,266	20.7	4.2
rRNA1	1,556	2,473	13.0	2.6

Assay Class:	mRNA Pico
Data Path:	C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad

Created: 9/20/2017 11:16:01 AM
Modified: 9/20/2017 11:42:03 AM

Electropherogram Summary Continued ...

Sample 11

Overall Results for sample 11 : __Sample 11__

RNA Area:	443.8	rRNA Contamination:	6.0 %
RNA Concentration:	5,332 pg/µl		

Fragment table for sample 11 : __Sample 11__

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	533	1,263	20.0	4.5
rRNA1	1,533	1,969	6.8	1.5

Assay Class:	mRNA Pico
Data Path:	C:\... bioanalyzer\2100 expert\data\2017-09-20\2017-09-20_001.xad

Created: 9/20/2017 11:16:01 AM
Modified: 9/20/2017 11:42:03 AM

Gel Image