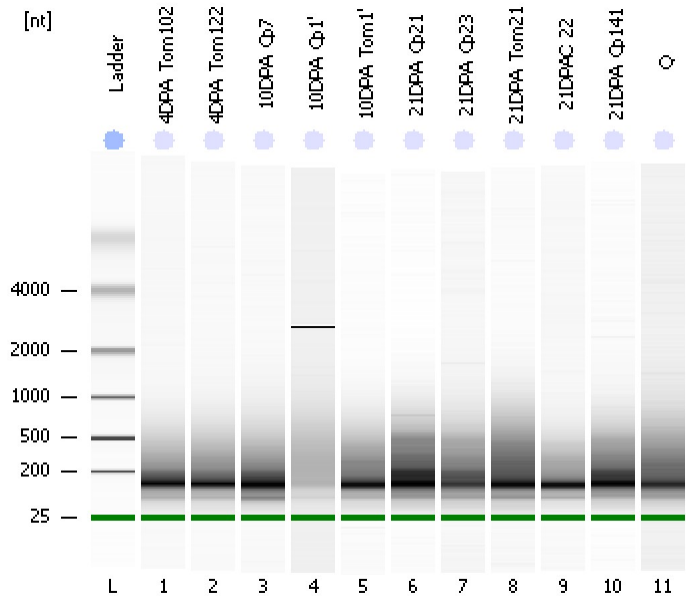


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electrophoresis File Run Summary



Instrument Information:

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

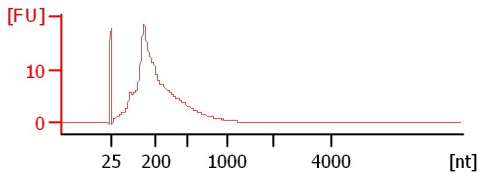
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
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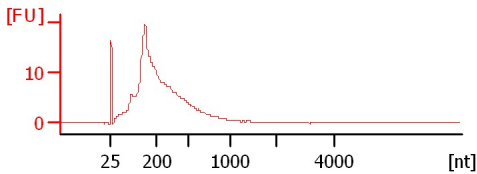
Chip Information:

Chip Lot #: Reagent Kit Lot #: Chip Comments:

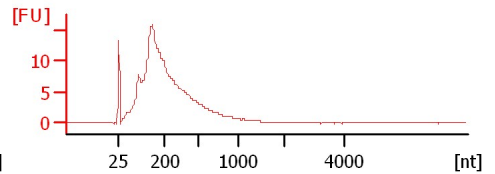
4DPA_Tom102
RIN: 2.40



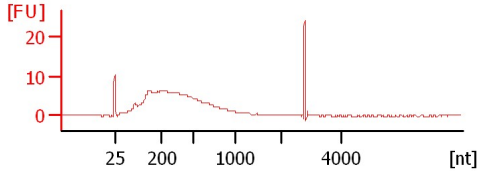
4DPA_Tom122
RIN: 2.30



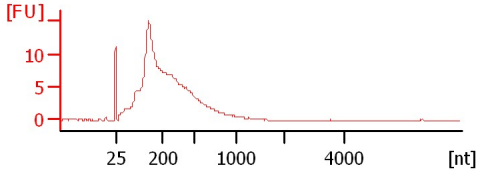
10DPA_Cp7
RIN: 2.40



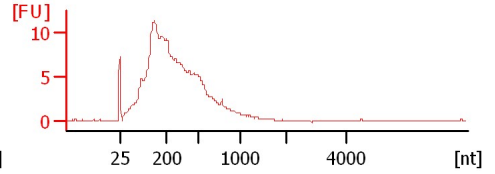
10DPA_Cp1'
RIN: 2.70



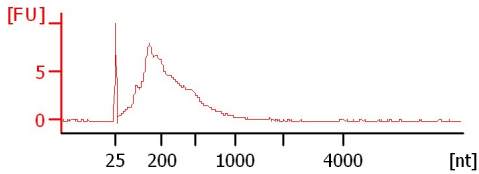
10DPA_Tom1'
RIN: 2.30



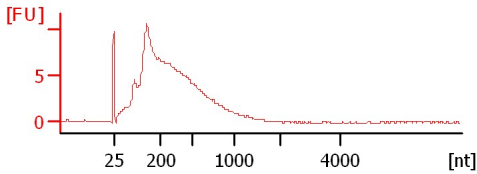
21DPA_Cp21
RIN: 2.60



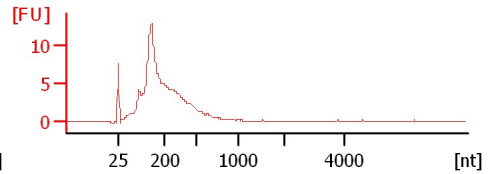
21DPA_Cp23
RIN: 2.50



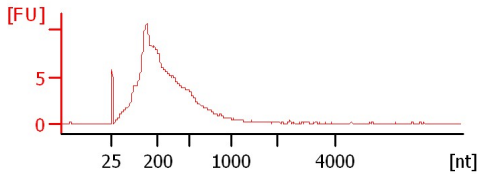
21DPA_Tom21
RIN: 2.20



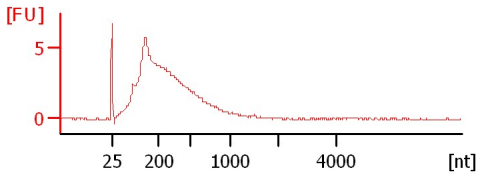
21DPAC_22
RIN: 2.40



21DPA_Cp141
RIN: 2.20



Q
RIN: 2.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
 Modified: 1/9/2014 10:22:56 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4DPA_Tom102		✓	RIN: 2.40	
4DPA_Tom122		✓	RIN: 2.30	
10DPA_Cp7		✓	RIN: 2.40	
10DPA_Cp1'		✓	RIN: 2.70	
10DPA_Tom1'		✓	RIN: 2.30	
21DPA_Cp21		✓	RIN: 2.60	
21DPA_Cp23		✓	RIN: 2.50	
21DPA_Tom21		✓	RIN: 2.20	
21DPAC_22		✓	RIN: 2.40	
21DPA_Cp141		✓	RIN: 2.20	
Q		✓	RIN: 2.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

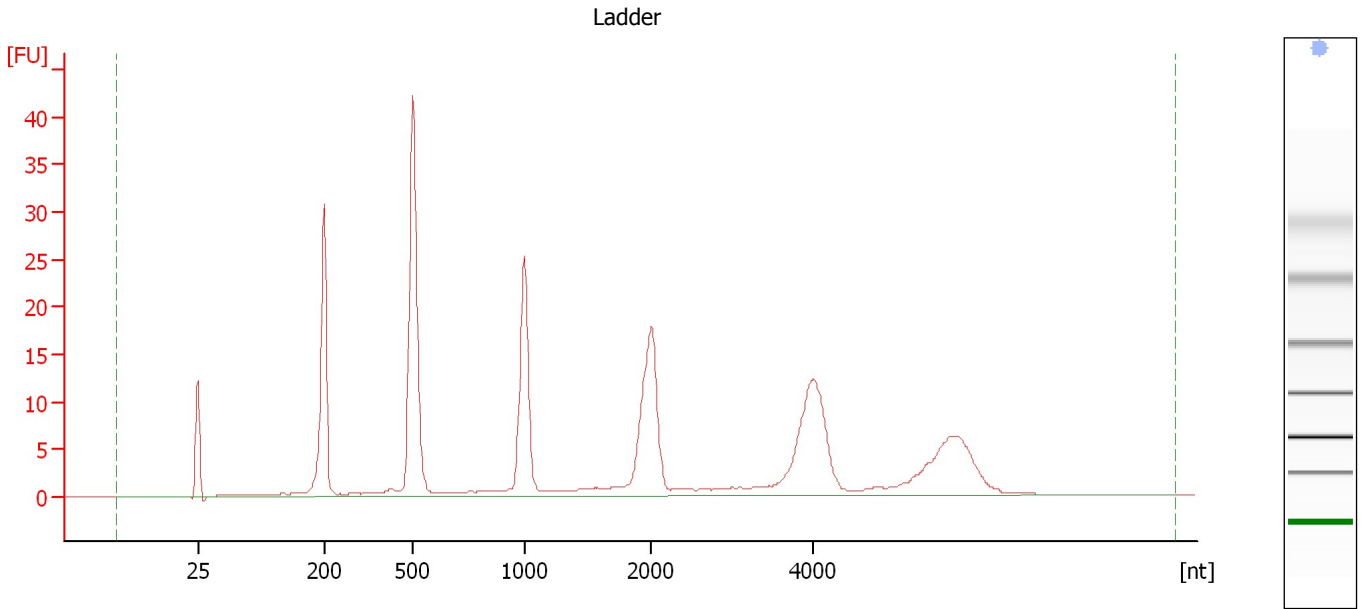
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary



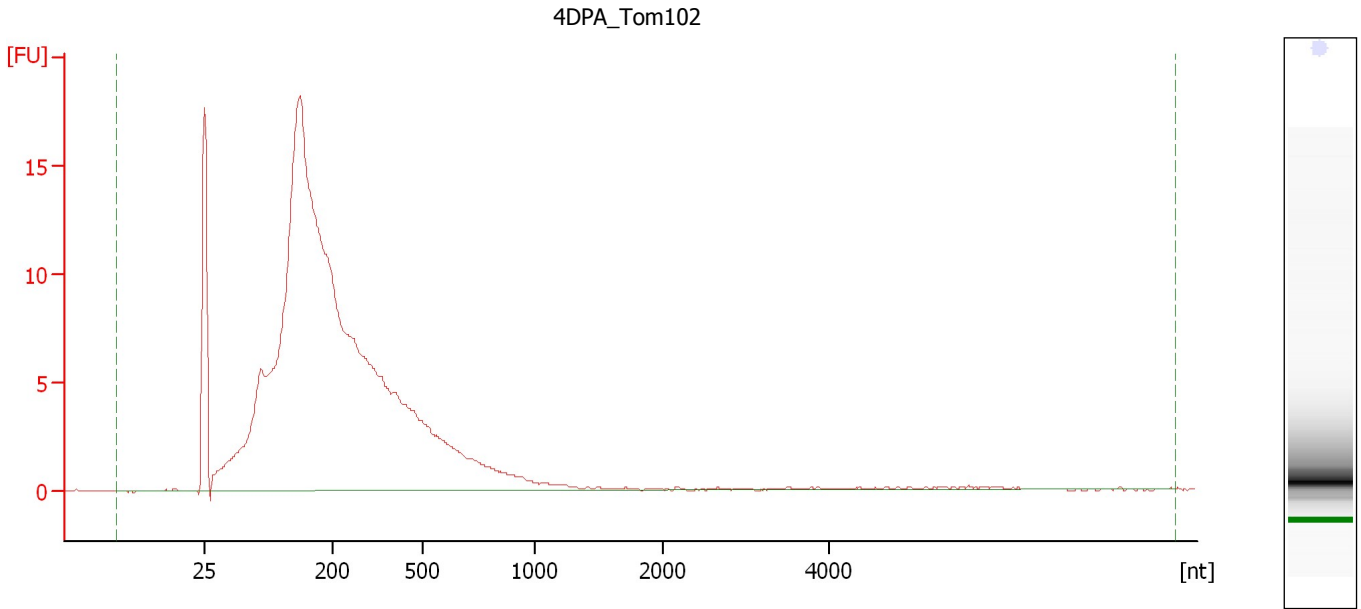
Overall Results for Ladder

RNA Area:	251.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 4DPA Tom102

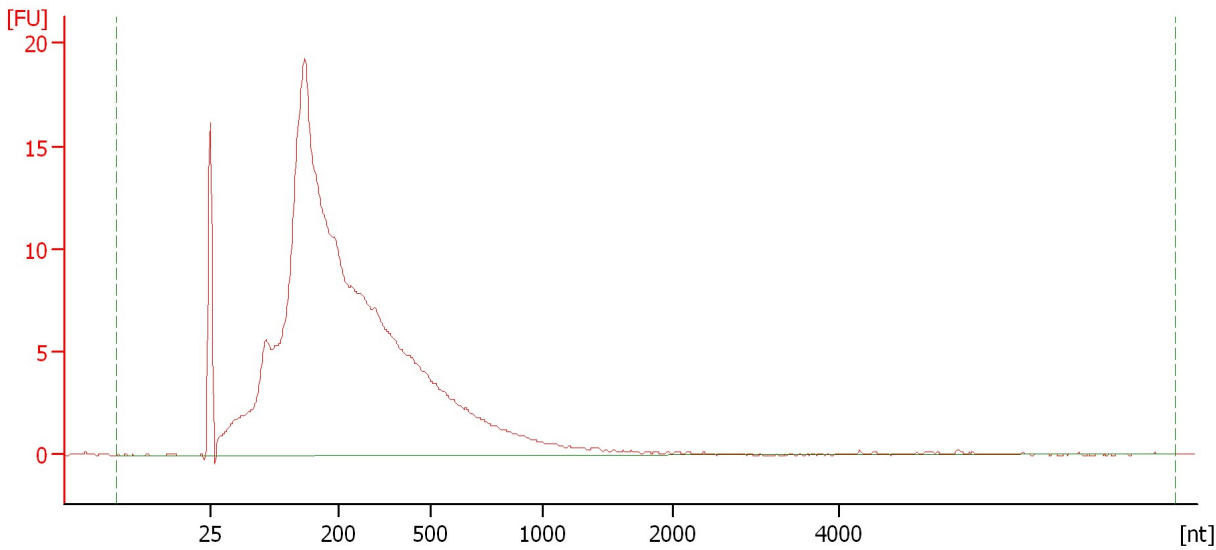
RNA Area:	247.8	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	987 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...

4DPA_Tom122



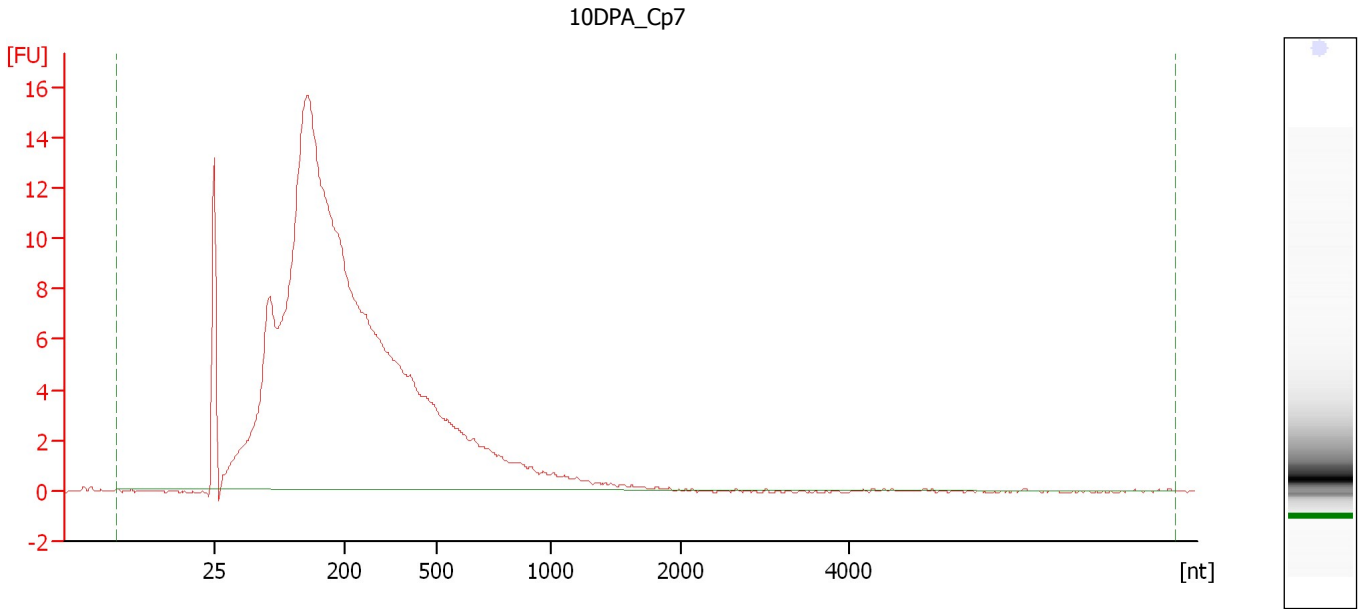
Overall Results for sample 2 : 4DPA Tom122

RNA Area:	266.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,062 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...



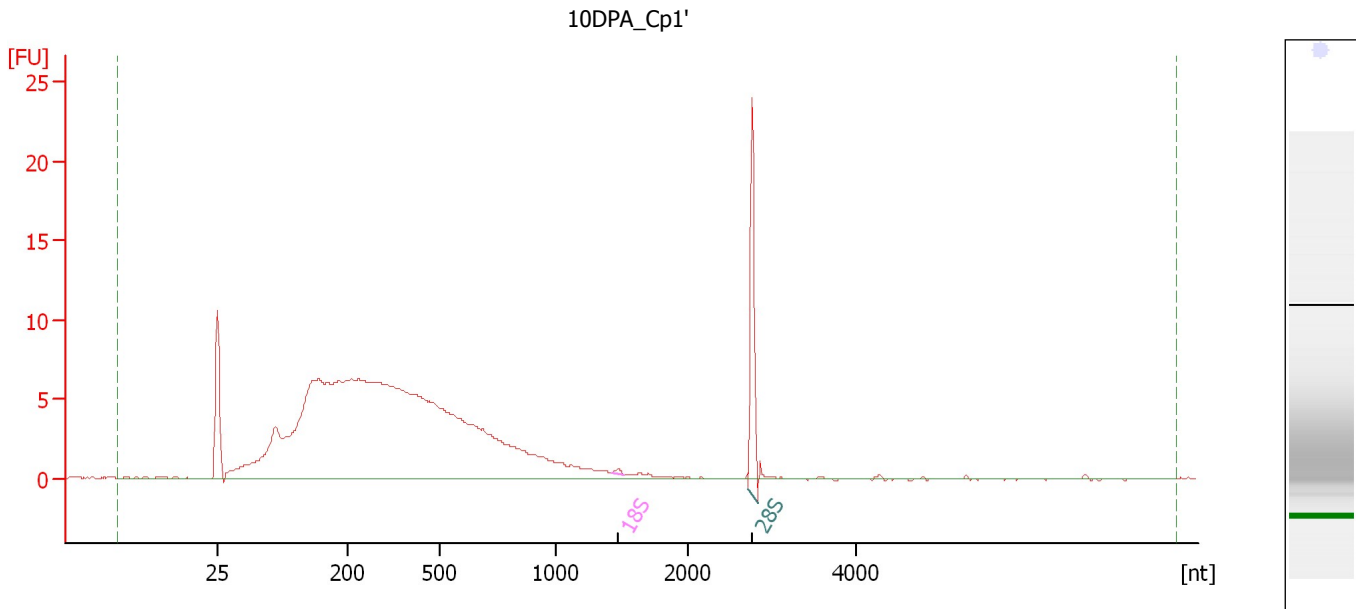
Overall Results for sample 3 : 10DPA_Cp7

RNA Area:	253.9	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,011 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
 Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 10DPA Cp1'

RNA Area:	196.3	RNA Integrity Number (RIN):	2.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	782 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	54.6	Result Flagging Label:	RIN: 2.70

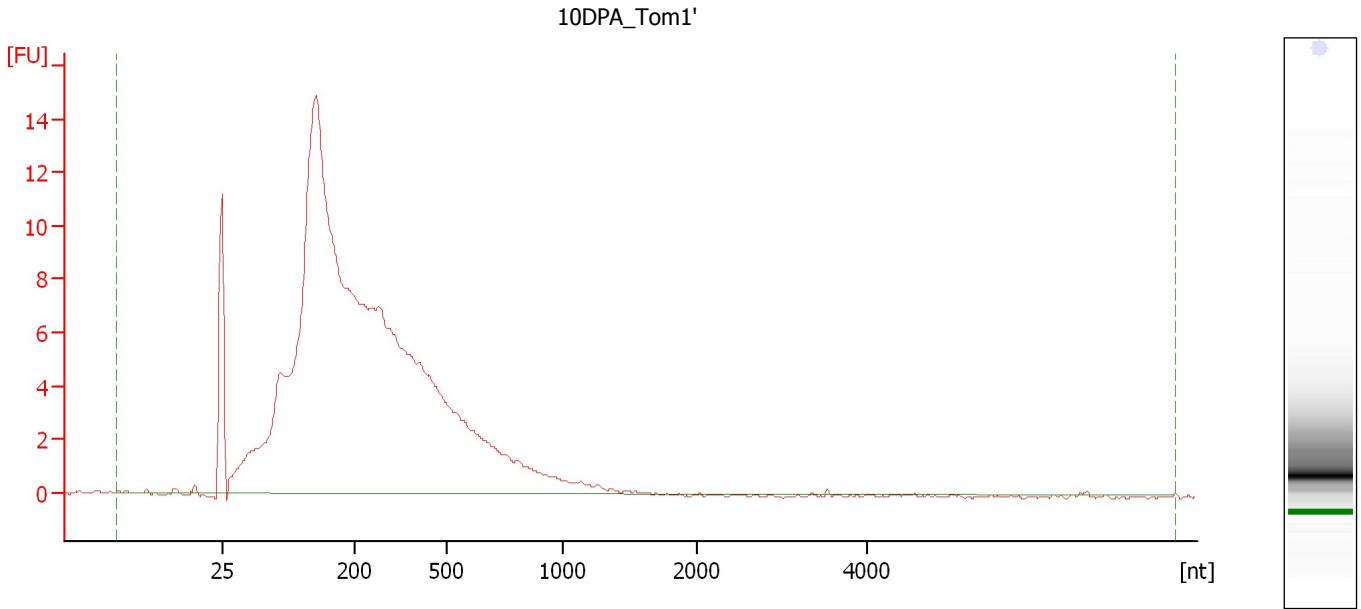
Fragment table for sample 4 : 10DPA Cp1'

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,428	1,525	0.2	0.1
28S	2,730	2,831	11.3	5.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...



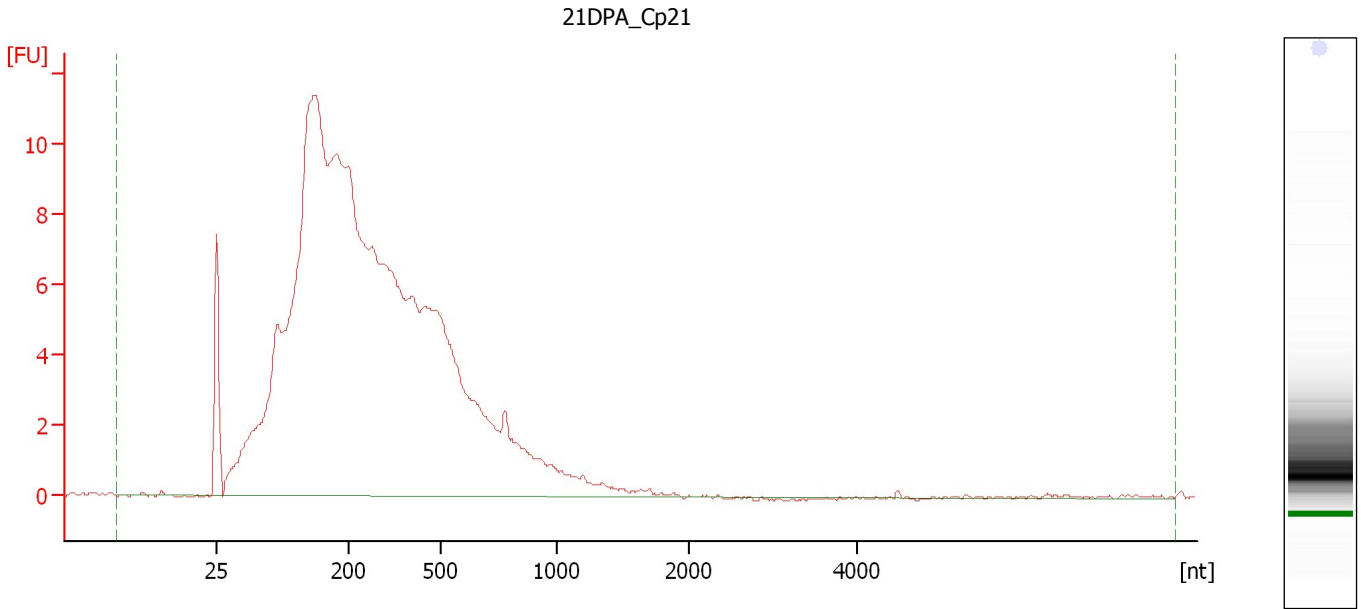
Overall Results for sample 5 : 10DPA Tom1'

RNA Area:	220.4	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	878 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 21DPA_Cp21

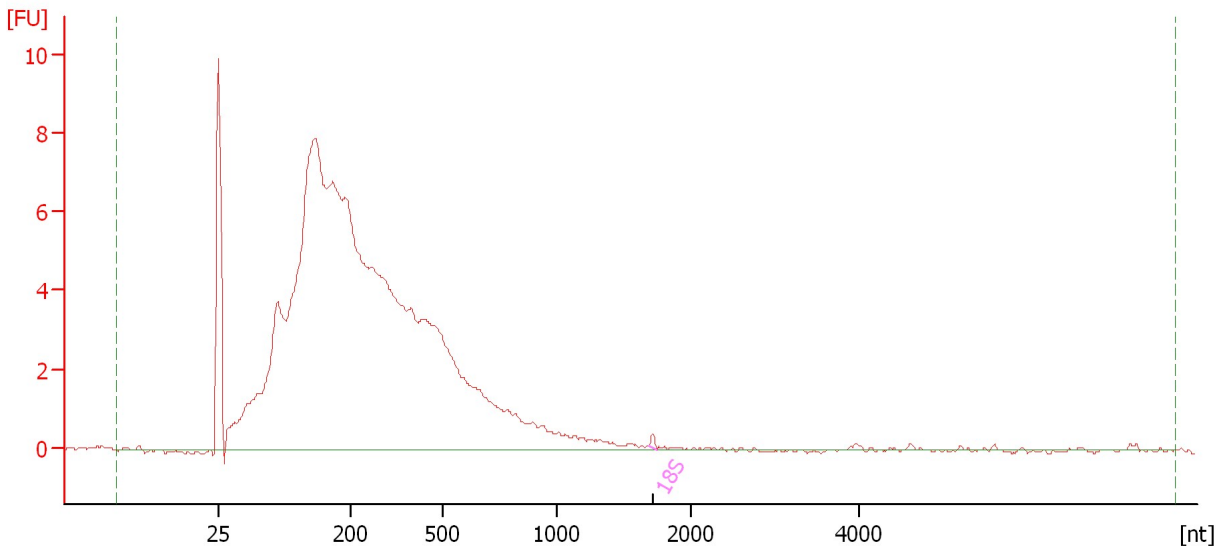
RNA Area:	238.5	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	950 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...

21DPA_Cp23



Overall Results for sample 7 : 21DPA Cp23

RNA Area:	157.3	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	626 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Fragment table for sample 7 : 21DPA Cp23

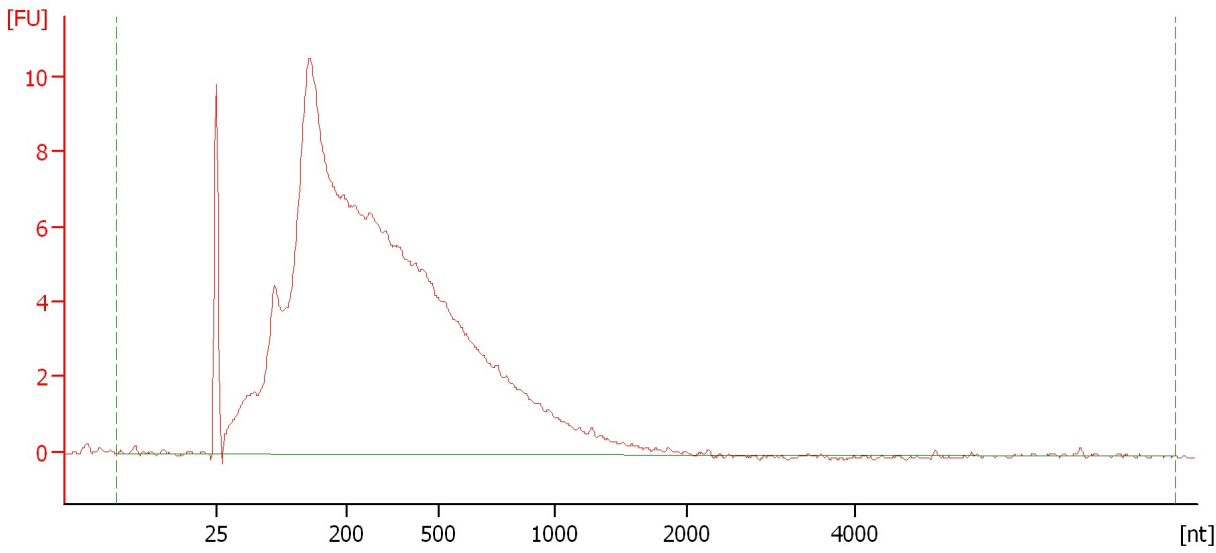
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,690	1,755	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...

21DPA_Tom21



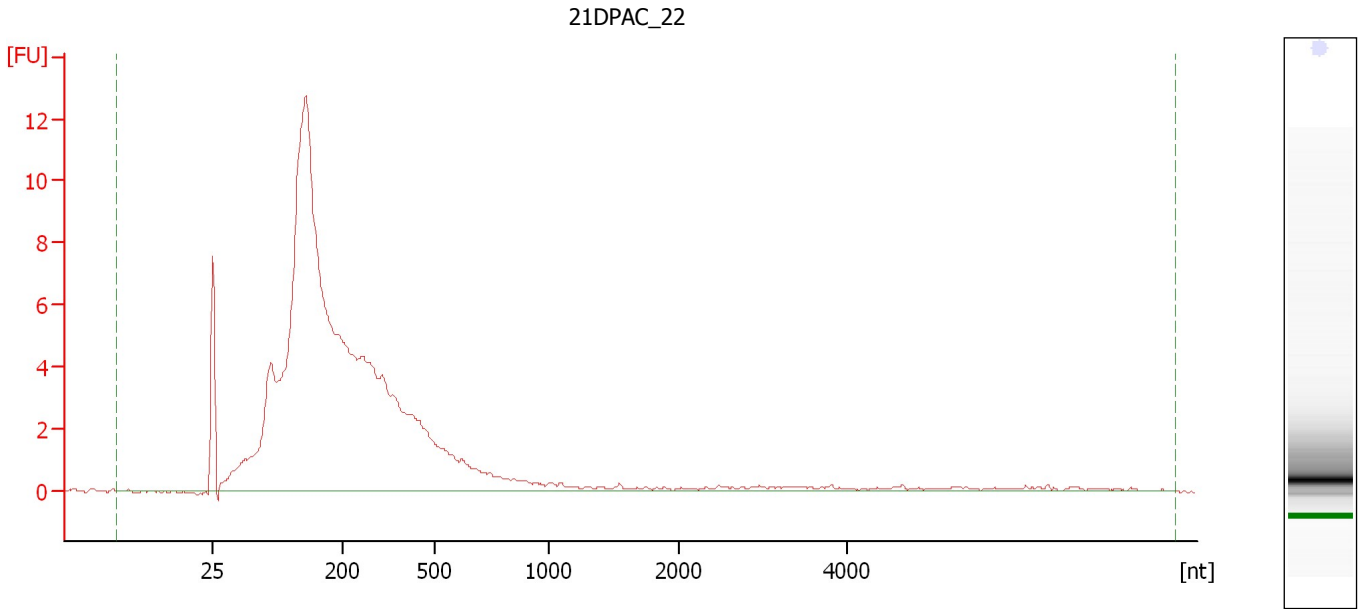
Overall Results for sample 8 : 21DPA Tom21

RNA Area:	216.2	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	861 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 21DPAC_22

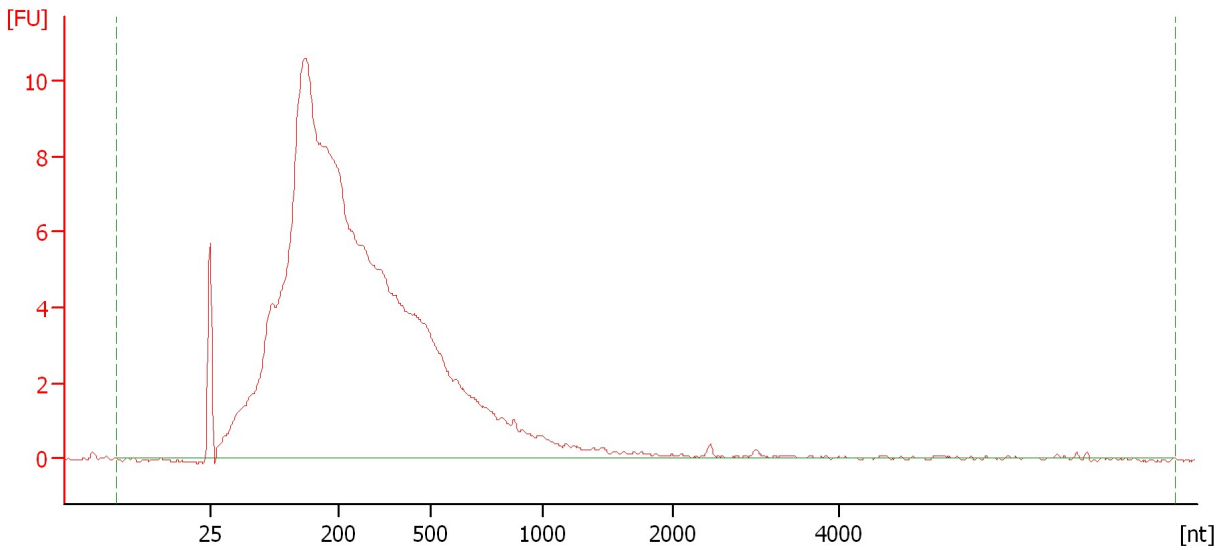
RNA Area:	151.2	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	602 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...

21DPA_Cp141



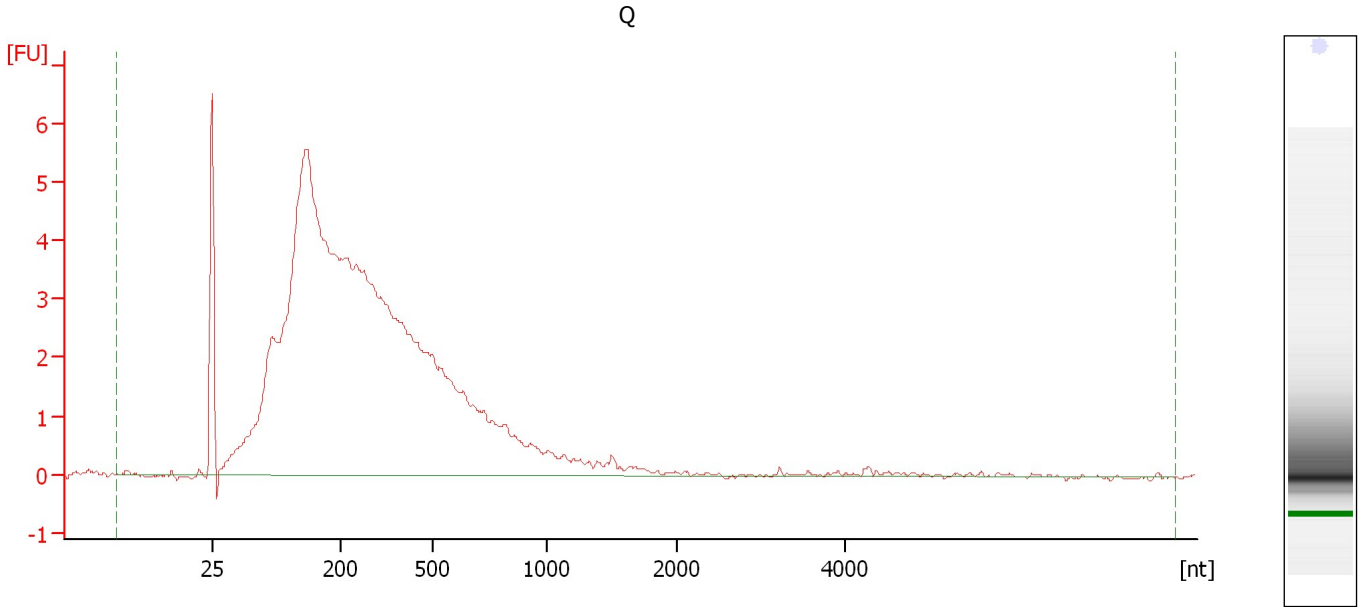
Overall Results for sample 10 : 21DPA Cp141

RNA Area:	189.9	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	756 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Q

RNA Area:	109.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	436 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_001.xad

Created: 1/9/2014 9:27:10 AM
Modified: 1/9/2014 10:22:56 AM

Gel Image

