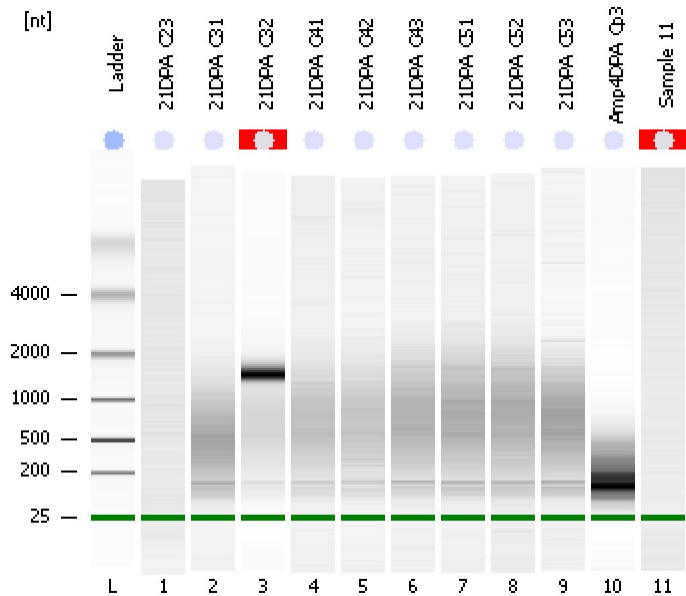


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

Electrophoresis File Run Summary



Instrument Information:

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

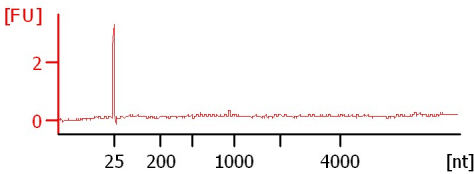
Assay Information:

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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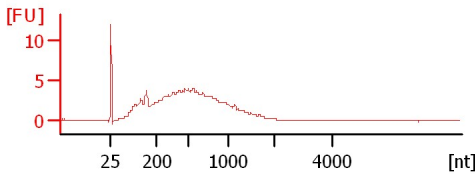
Chip Information:

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

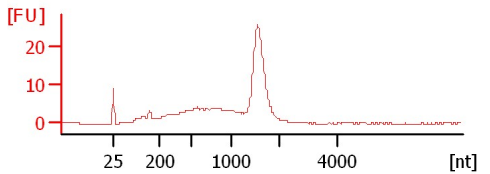
**21DPA\_C23**  
RIN:1



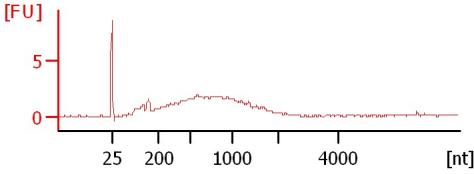
**21DPA\_C31**  
RIN: 2.30



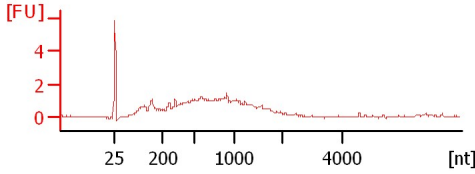
**21DPA\_C32**  
RIN N/A



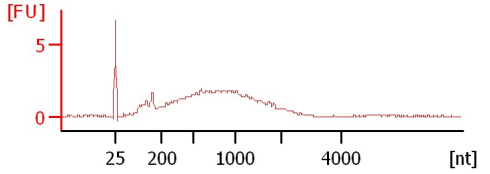
**21DPA\_C41**  
RIN:2



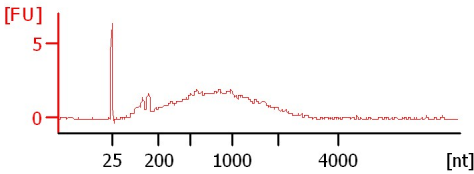
**21DPA\_C42**  
RIN: 2.40



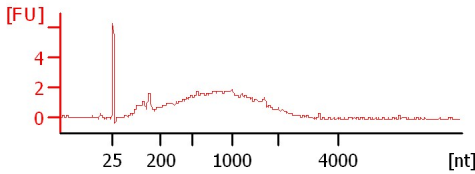
**21DPA\_C43**  
RIN: 2.60



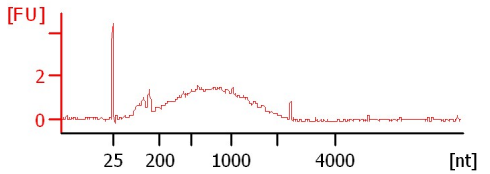
**21DPA\_C51**  
RIN: 2.20



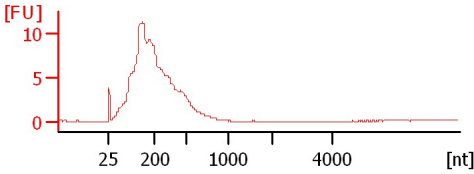
**21DPA\_C52**  
RIN: 2.20



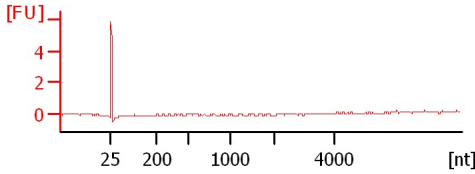
**21DPA\_C53**  
RIN: 2.30



**Amp4DPA\_Cp3**  
RIN: 2.30



**Sample 11**  
RIN N/A



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
 Modified: 1/6/2014 10:54:27 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
21DPA_C23		✓	RIN:1	
21DPA_C31		✓	RIN: 2.30	
21DPA_C32		✓	RIN N/A	
21DPA_C41		✓	RIN:2	
21DPA_C42		✓	RIN: 2.40	
21DPA_C43		✓	RIN: 2.60	
21DPA_C51		✓	RIN: 2.20	
21DPA_C52		✓	RIN: 2.20	
21DPA_C53		✓	RIN: 2.30	
Amp4DPA_Cp3		✓	RIN: 2.30	
Sample 11		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 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/ $\mu$ l] : 1000  
Lower Marker Concentration [pg/ $\mu$ l] : 0  
Upper Marker Concentration [pg/ $\mu$ l] : 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

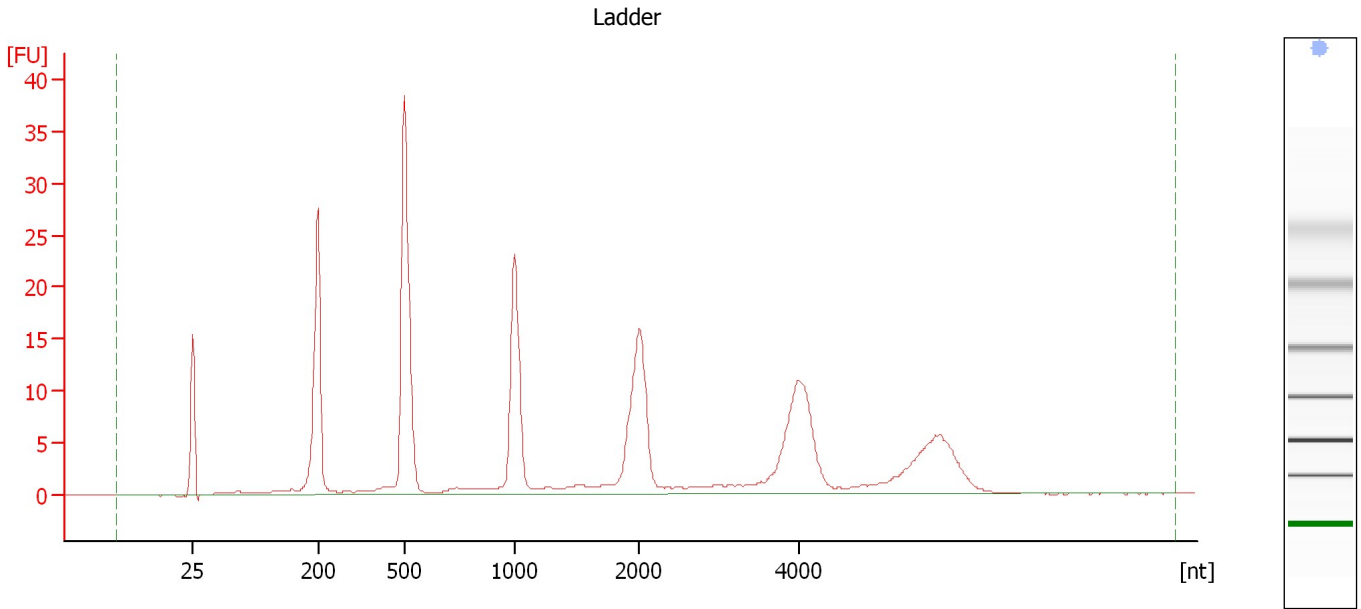
### Ladder

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\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary**



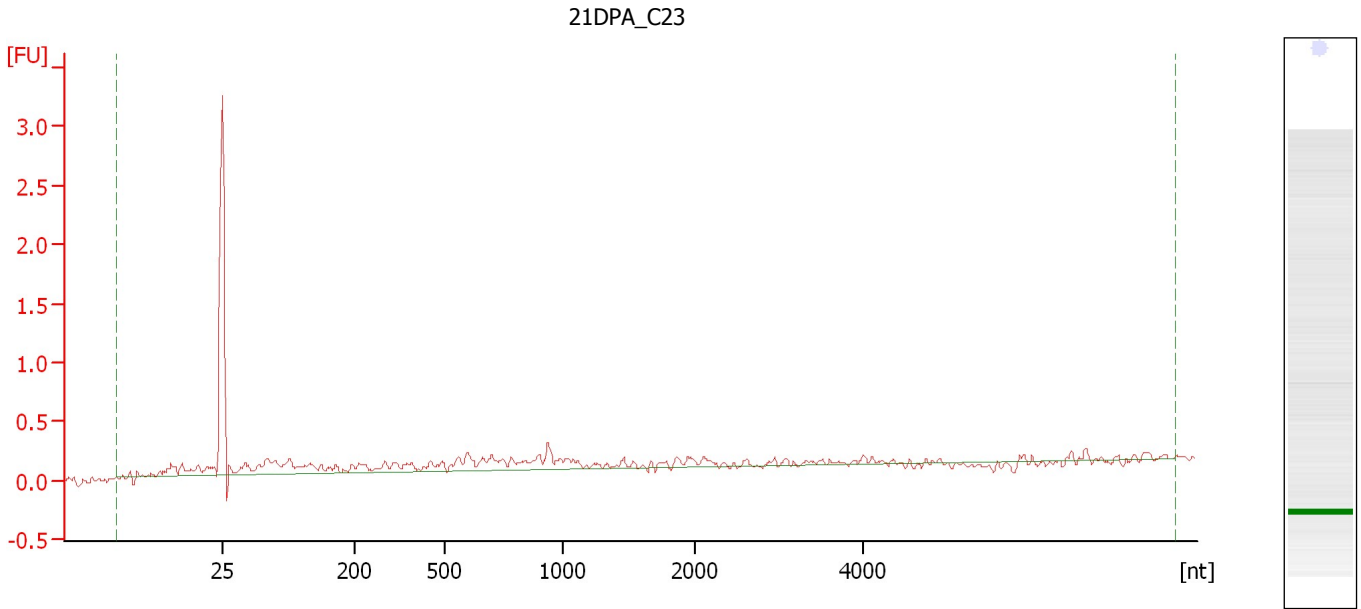
**Overall Results for Ladder**

RNA Area:	231.5	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
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\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**



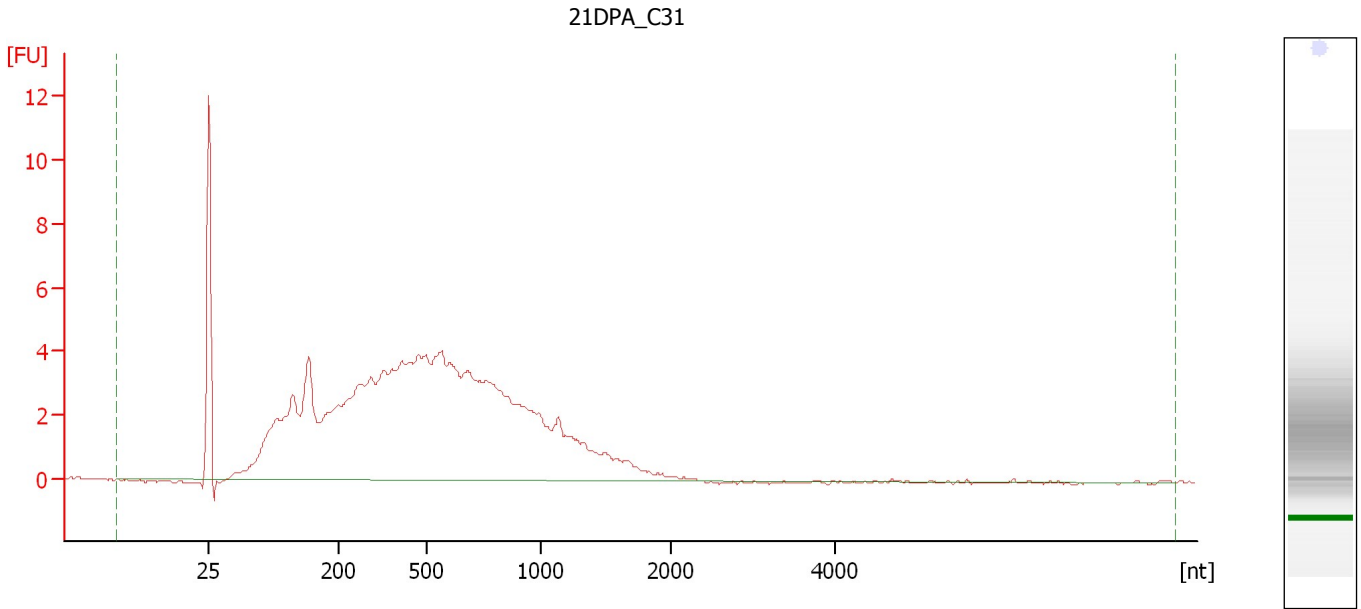
**Overall Results for sample 1 : 21DPA\_C23**

RNA Area:	4.7	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	20 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**



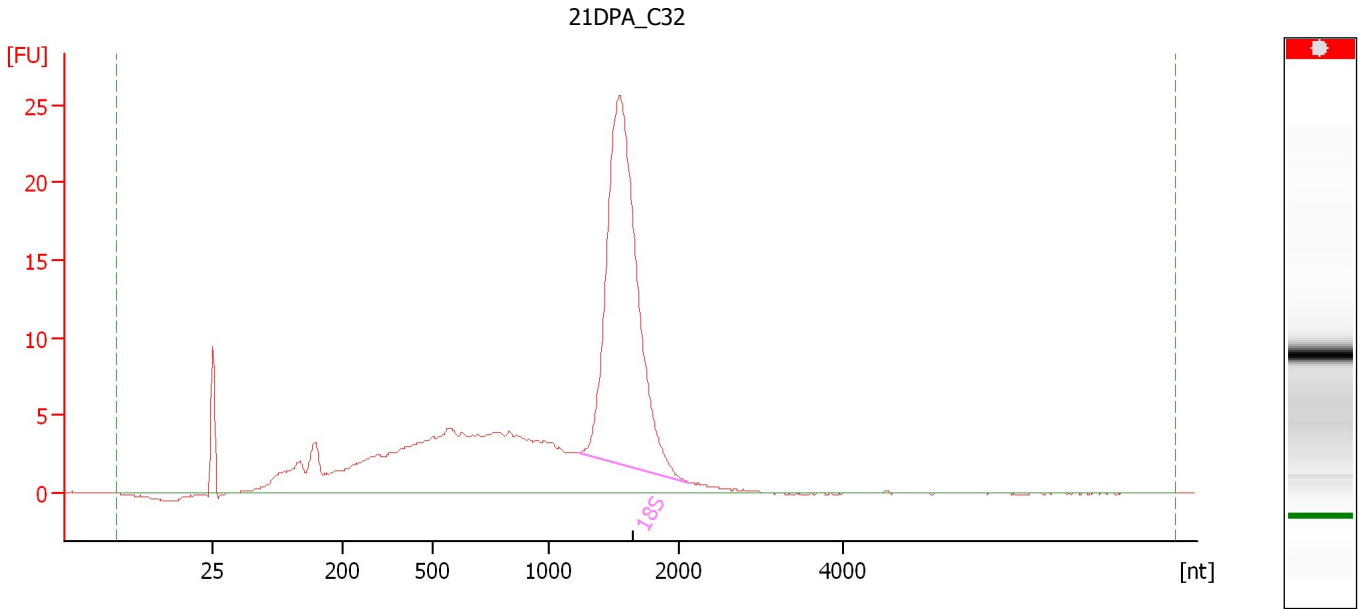
**Overall Results for sample 2 : 21DPA\_C31**

RNA Area:	129.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	559 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
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\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 21DPA\_C32**

RNA Area:	229.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	991 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

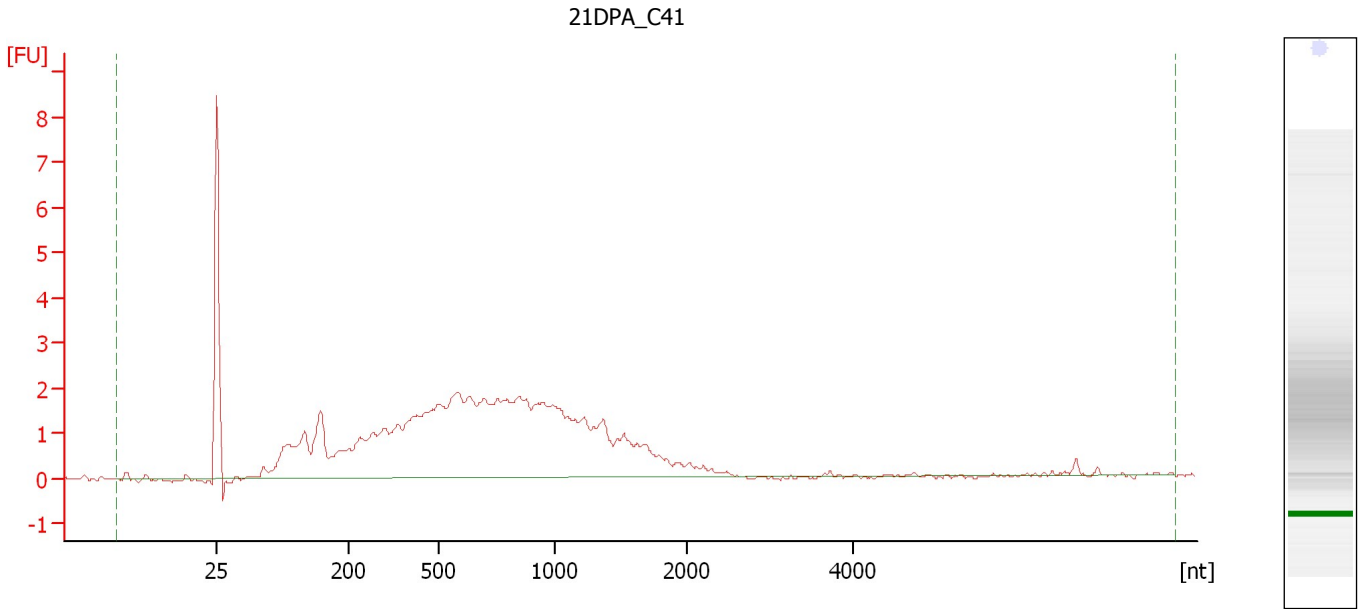
**Fragment table for sample 3 : 21DPA\_C32**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,242	2,125	90.7	39.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 21DPA\_C41**

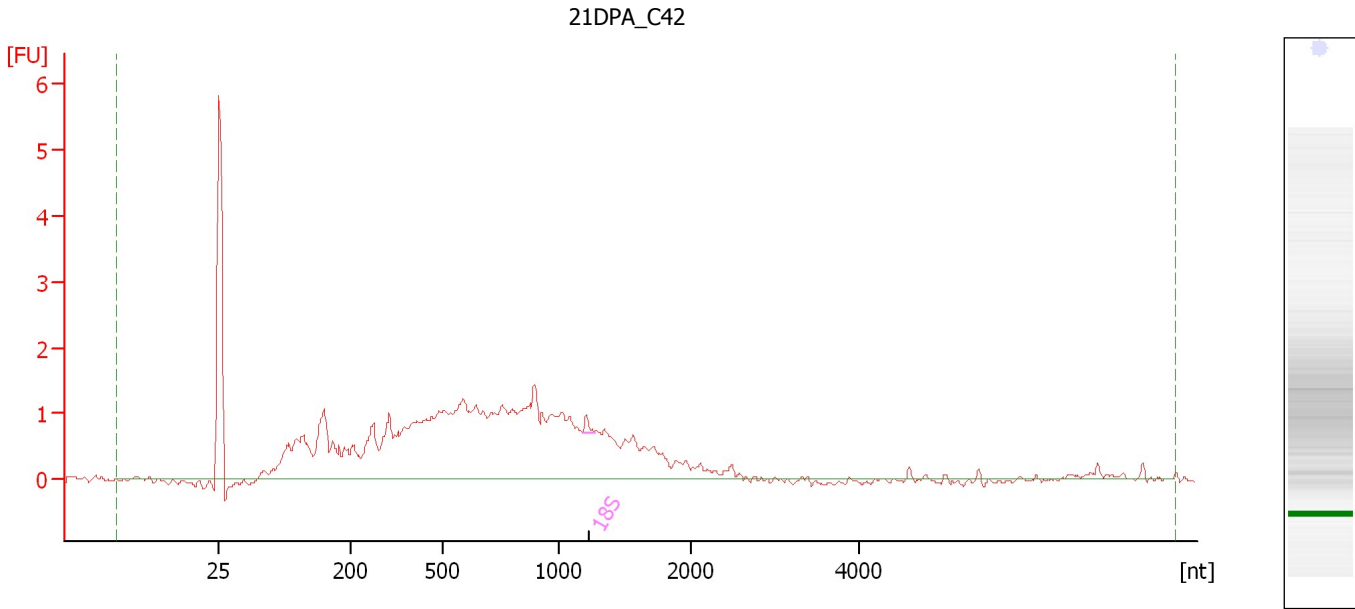
RNA Area:	62.1	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	268 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 21DPA\_C42**

RNA Area:	39.9	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	172 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

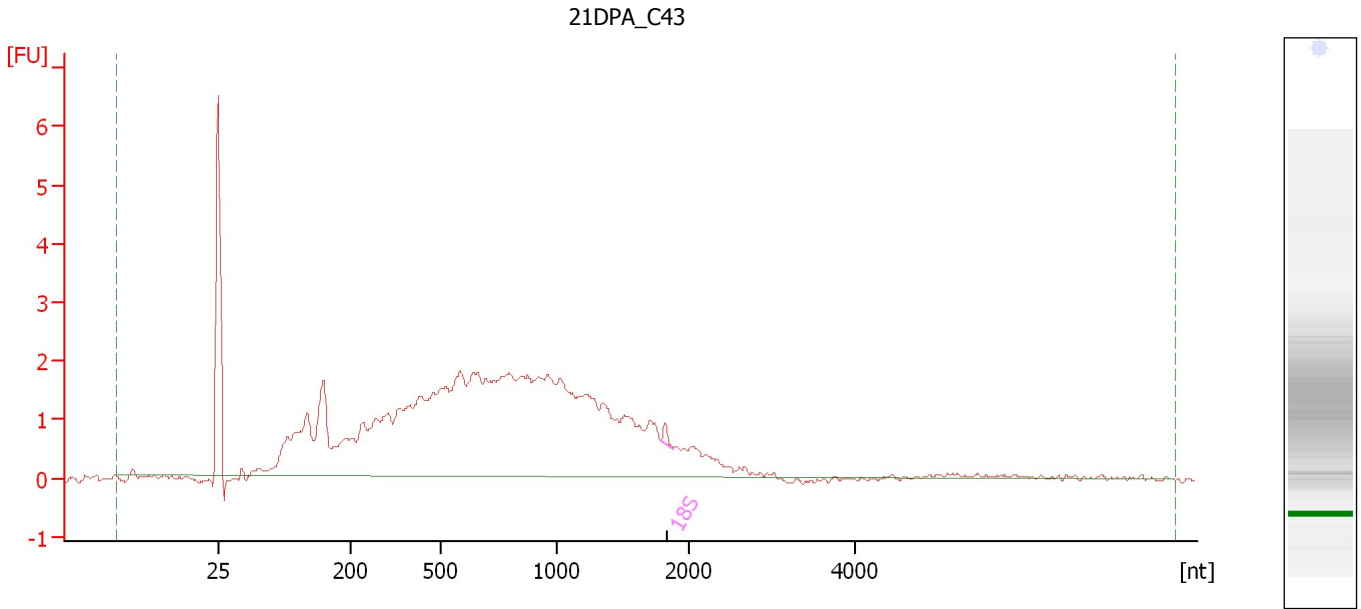
**Fragment table for sample 5 : 21DPA\_C42**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,183	1,273	0.1	0.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 21DPA\_C43**

RNA Area:	64.8	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	280 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

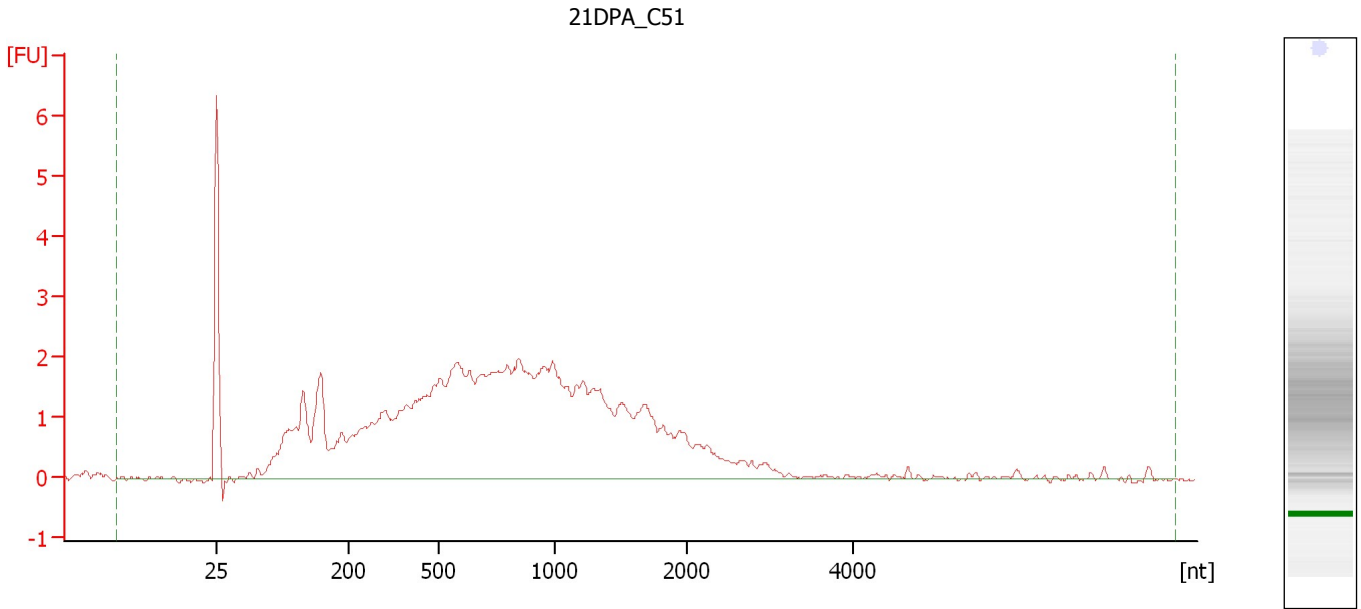
**Fragment table for sample 6 : 21DPA\_C43**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,790	1,888	0.2	0.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**



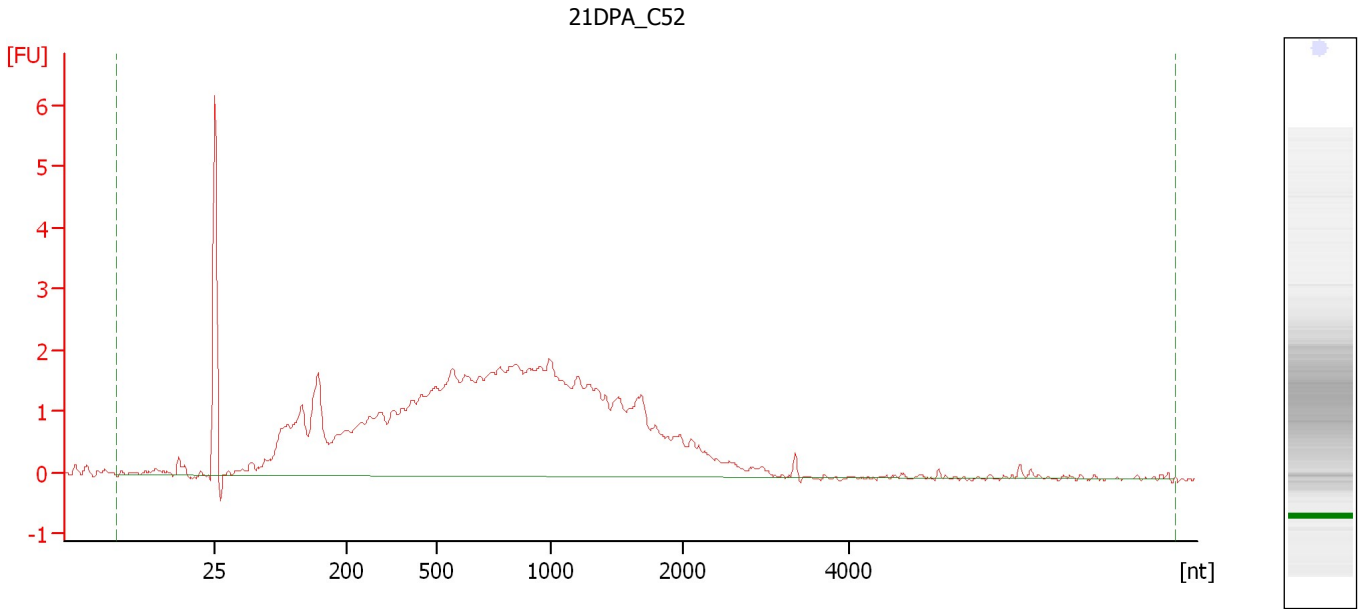
**Overall Results for sample 7 : 21DPA\_C51**

RNA Area:	71.6	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	309 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
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\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**



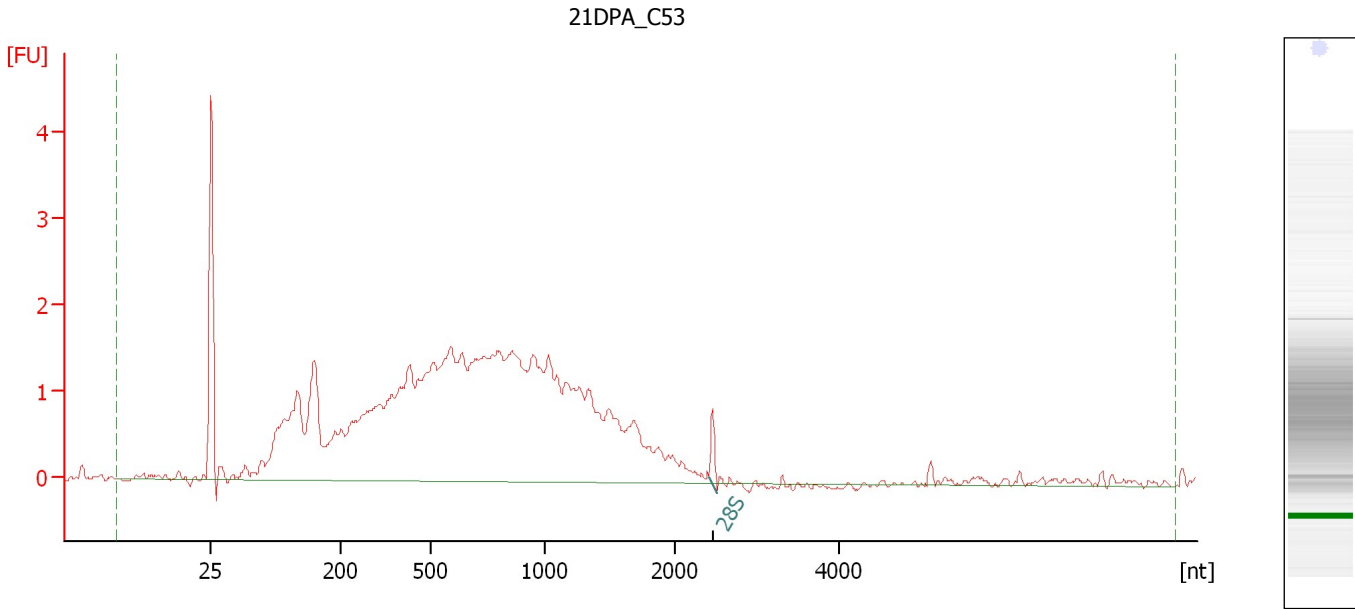
**Overall Results for sample 8 : 21DPA\_C52**

RNA Area:	70.4	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	304 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
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\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 21DPA\_C53**

RNA Area:	56.1	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	242 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

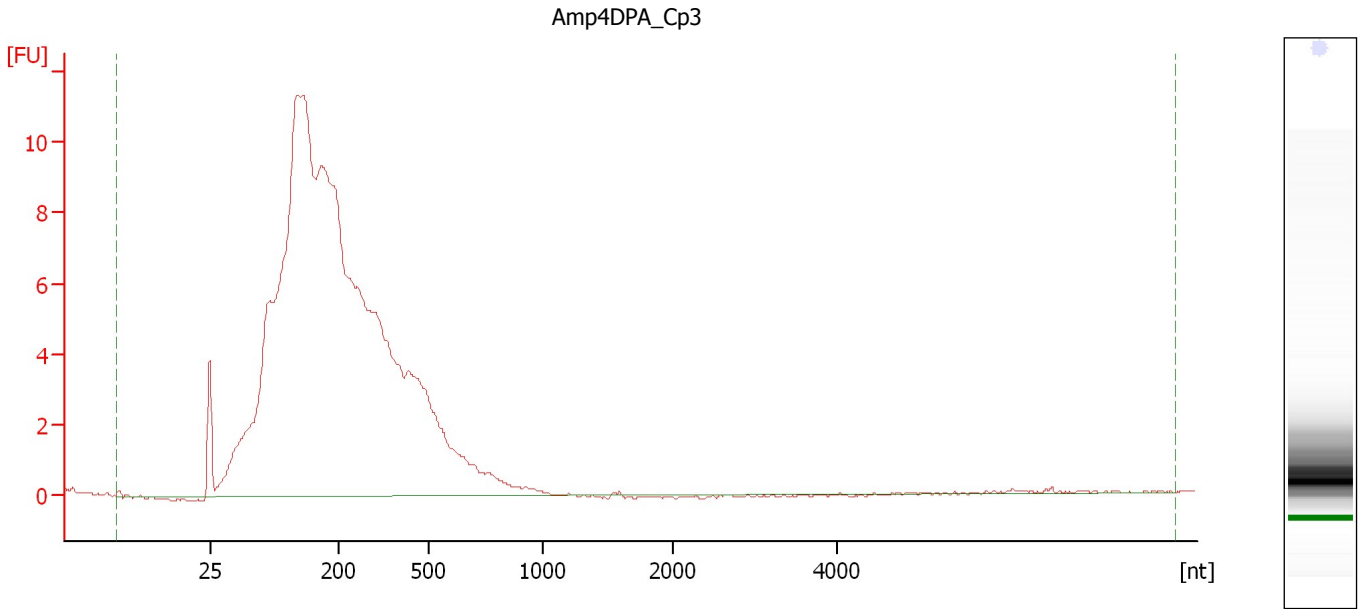
**Fragment table for sample 9 : 21DPA\_C53**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,421	2,525	0.4	0.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Amp4DPA\_Cp3**

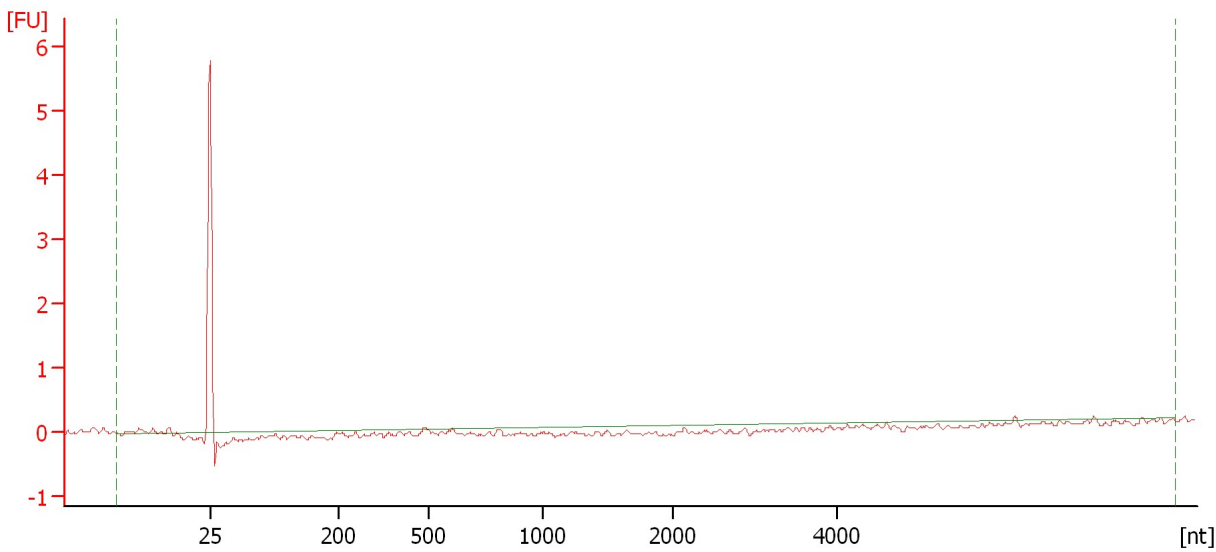
RNA Area:	194.0	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	838 µg/µl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad


Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Electropherogram Summary Continued ...**

Sample 11



**Overall Results for sample 11 : Sample 11**

RNA Area:	0.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-06\2014-01-06\_001.xad

Created: 1/6/2014 10:31:30 AM  
Modified: 1/6/2014 10:54:27 AM

**Gel Image**

