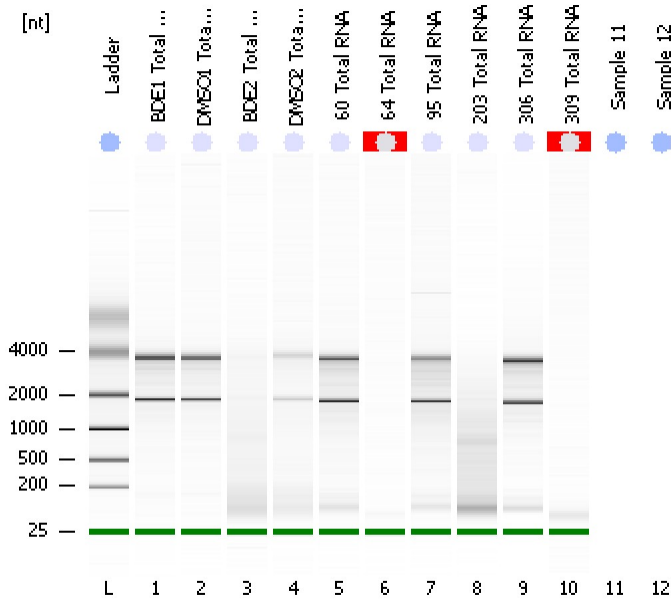


Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
 Modified: 2/19/2013 5:32:09 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

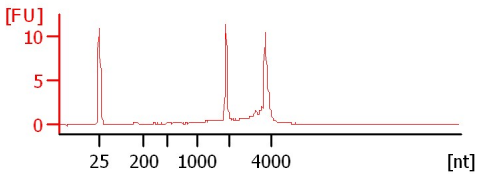
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
 Assay Class: Eukaryote Total RNA Nano  
 Version: 2.6  
 Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)  
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

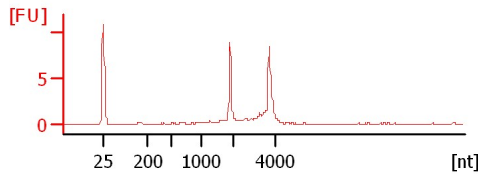
Chip Information:

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

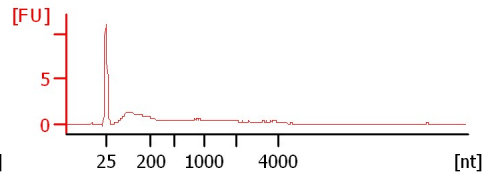
**BDE1 Total RNA**  
 RIN: 8.80



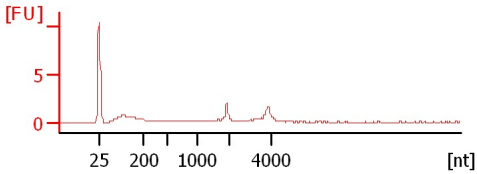
**DMSO1 Total RNA**  
 RIN: 9



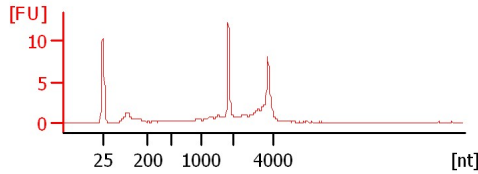
**BDE2 Total RNA**  
 RIN: 1.30



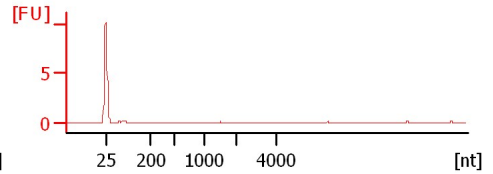
**DMSO2 Total RNA**  
 RIN: 7.50



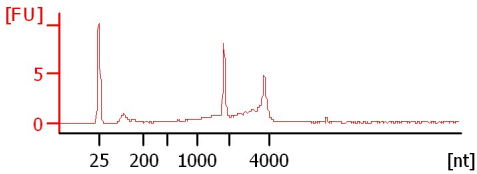
**60 Total RNA**  
 RIN: 8.10



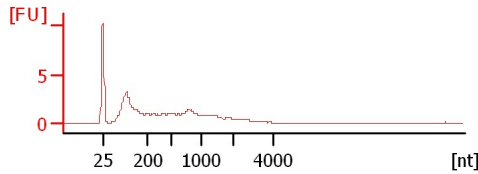
**64 Total RNA**  
 RIN N/A



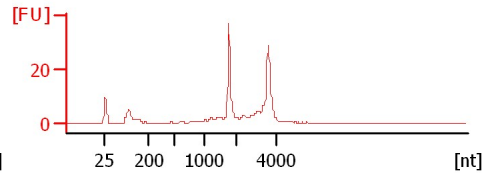
**95 Total RNA**  
 RIN: 7.80



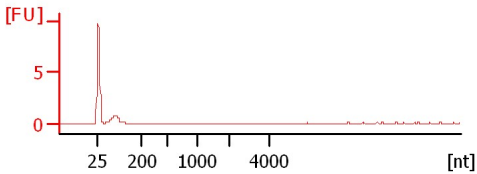
**203 Total RNA**  
 RIN: 2.30



**306 Total RNA**  
 RIN: 8.50



**309 Total RNA**  
 RIN N/A



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
BDE1 Total RNA		✓	RIN: 8.80	
DMSO1 Total RNA		✓	RIN:9	
BDE2 Total RNA		✓	RIN: 1.30	
DMSO2 Total RNA		✓	RIN: 7.50	
60 Total RNA		✓	RIN: 8.10	
64 Total RNA		✓	RIN N/A	
95 Total RNA		✓	RIN: 7.80	
203 Total RNA		✓	RIN: 2.30	
306 Total RNA		✓	RIN: 8.50	
309 Total RNA		✓	RIN N/A	
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 19  
End Analysis Time Range [s] : 69  
Ladder Concentration [ng/μl] : 150  
Lower Marker Concentration [ng/μl] : 0  
Upper Marker Concentration [ng/μl] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

**Integrator Settings**

Integration Start Time [s] : 19  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.5  
Area Threshold : 0.2  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 6

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

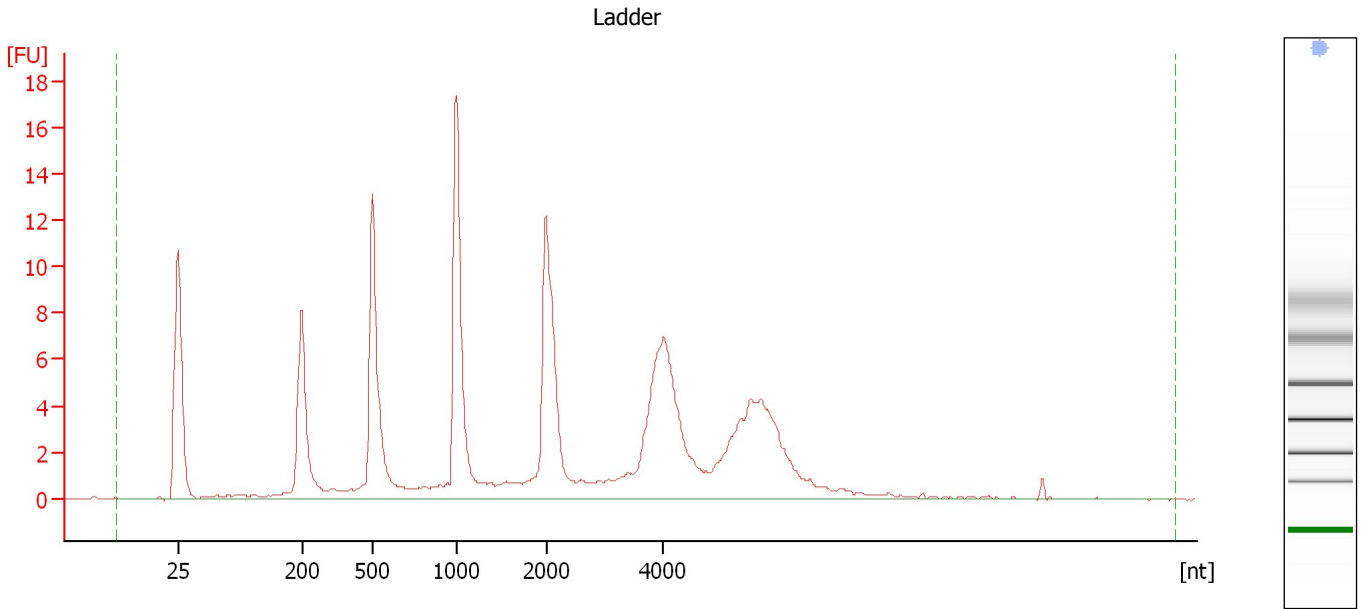
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary**



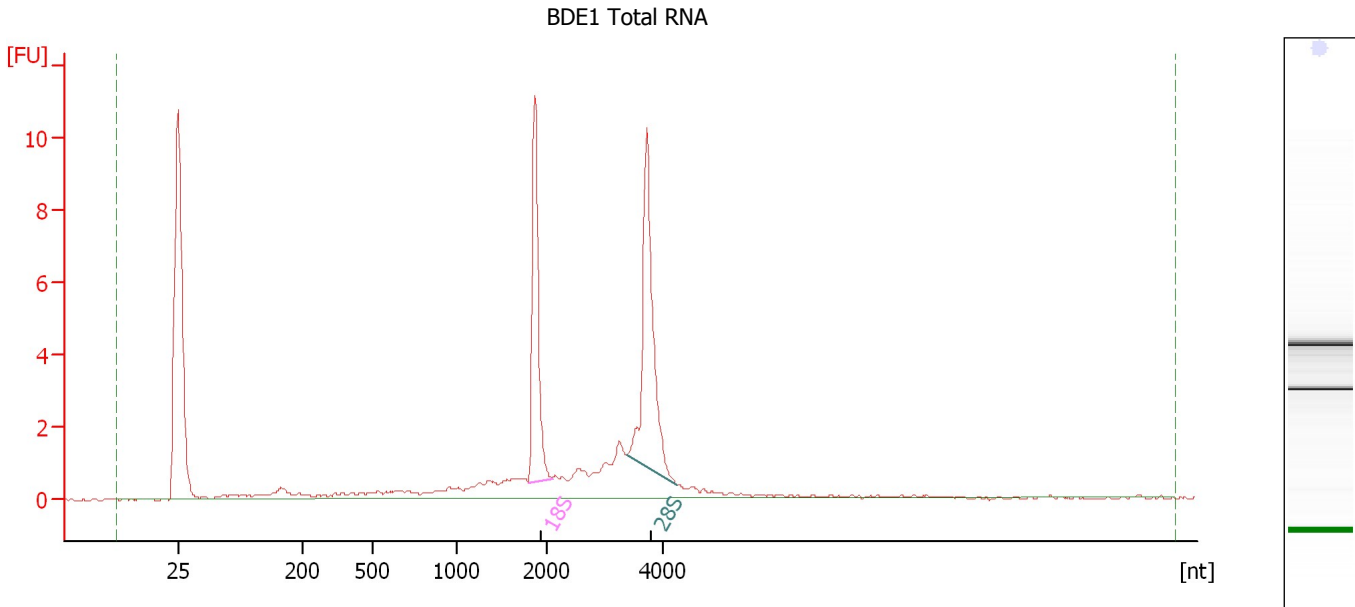
**Overall Results for Ladder**

RNA Area:	144.0	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : BDE1 Total RNA**

RNA Area: 44.7 RNA Integrity Number (RIN): 8.8 (B.02.08)  
RNA Concentration: 47 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.80

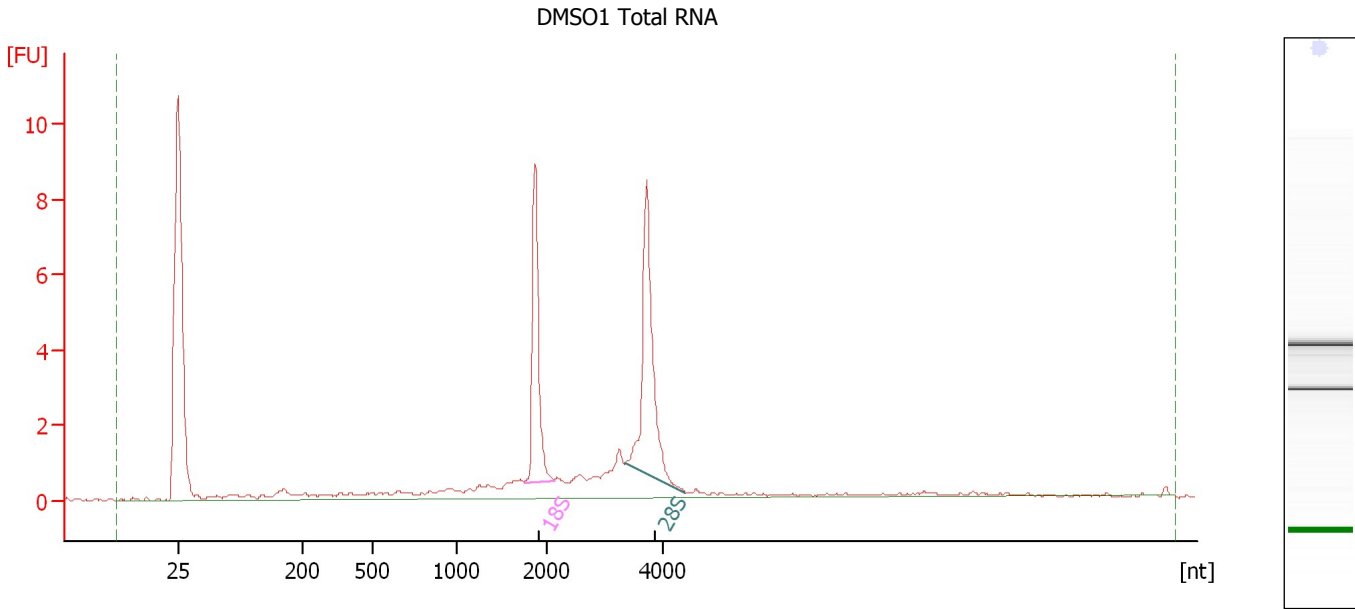
**Fragment table for sample 1 : BDE1 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,797	2,091	8.3	18.5
28S	3,376	4,238	11.3	25.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : DMSO1 Total RNA**

RNA Area: 38.1 RNA Integrity Number (RIN): 9 (B.02.08)  
RNA Concentration: 40 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN:9

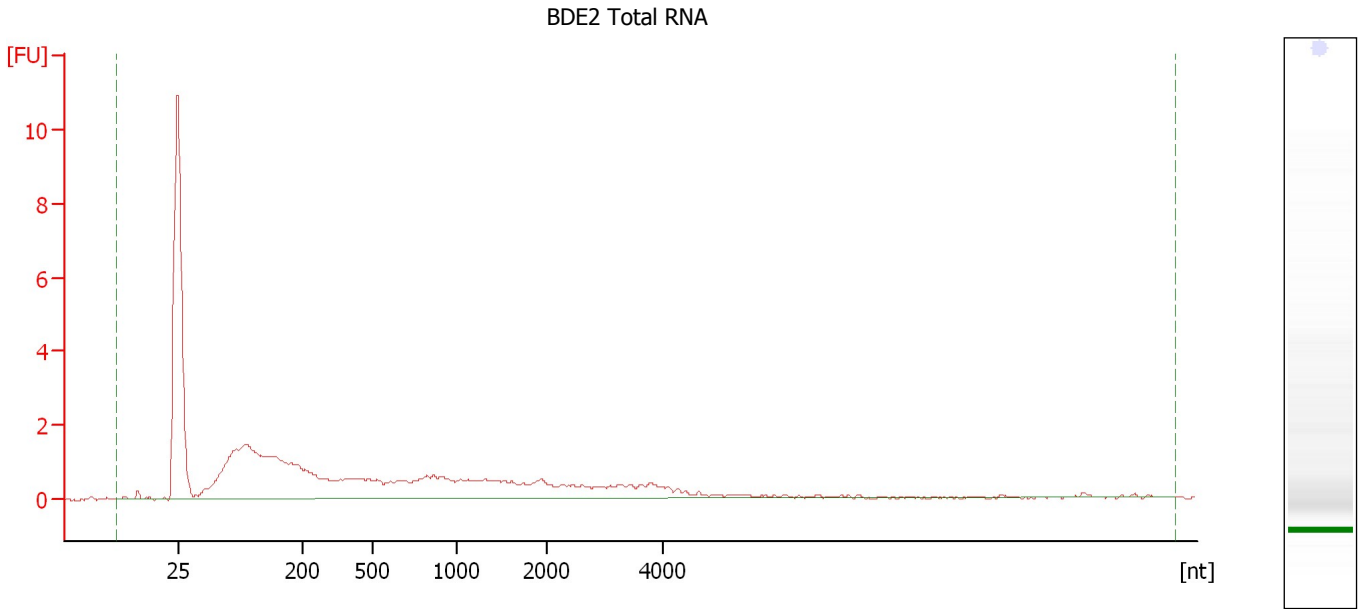
**Fragment table for sample 2 : DMSO1 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,749	2,128	6.8	17.7
28S	3,357	4,385	9.2	24.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary Continued ...**



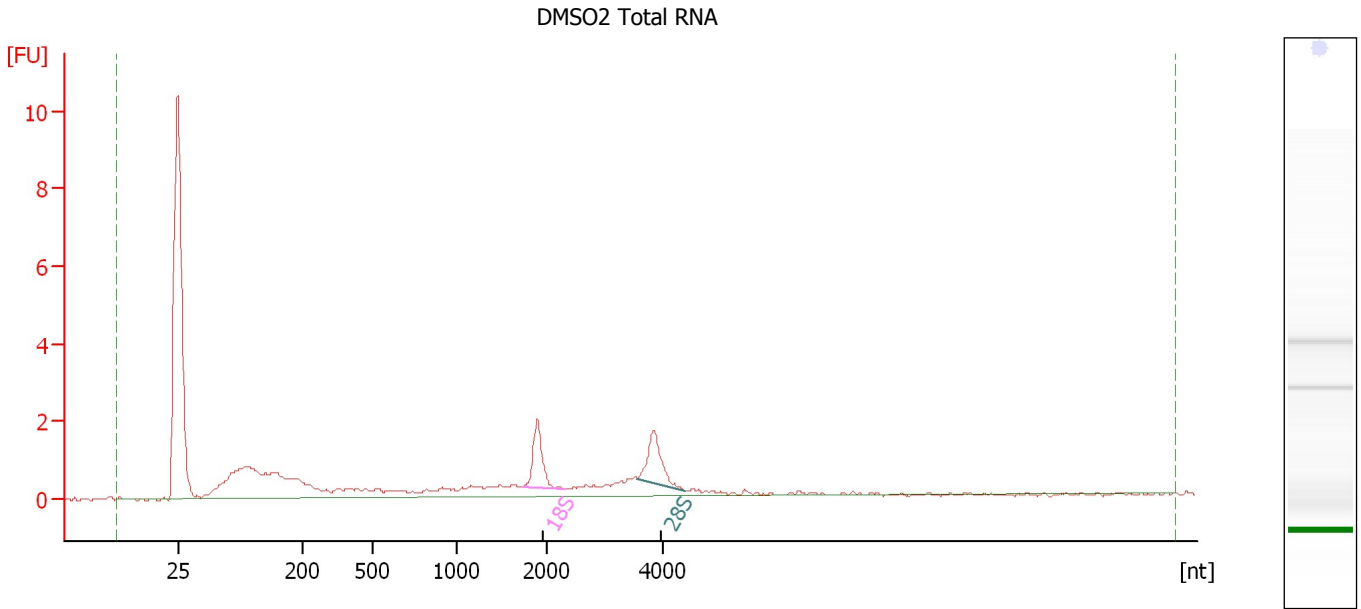
**Overall Results for sample 3 : BDE2 Total RNA**

RNA Area:	39.4	RNA Integrity Number (RIN):	1.3 (B.02.08)
RNA Concentration:	41 ng/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: 1.30

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : DMSO2 Total RNA**

RNA Area: 28.6                      RNA Integrity Number (RIN): 7.5 (B.02.08)  
RNA Concentration: 30 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.0              Result Flagging Label: RIN: 7.50

**Fragment table for sample 4 : DMSO2 Total RNA**

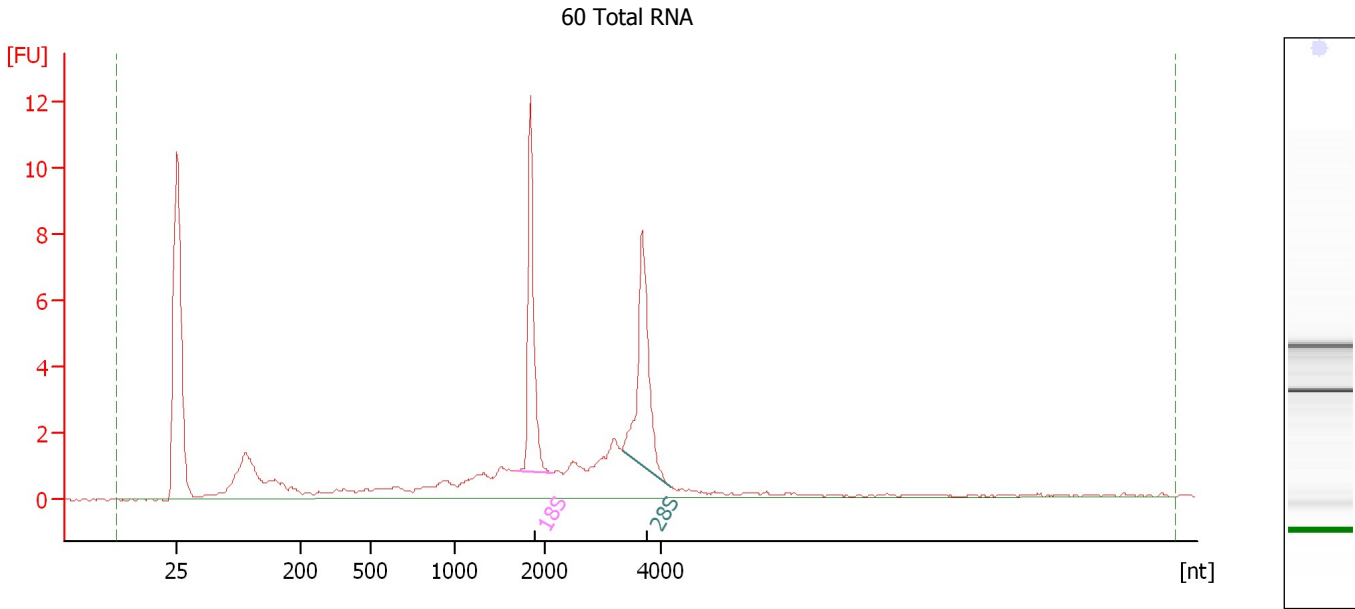
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,726	2,311	2.2	7.7
28S	3,559	4,366	2.2	7.7



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 60 Total RNA**

RNA Area: 57.7 RNA Integrity Number (RIN): 8.1 (B.02.08)  
RNA Concentration: 60 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 8.10

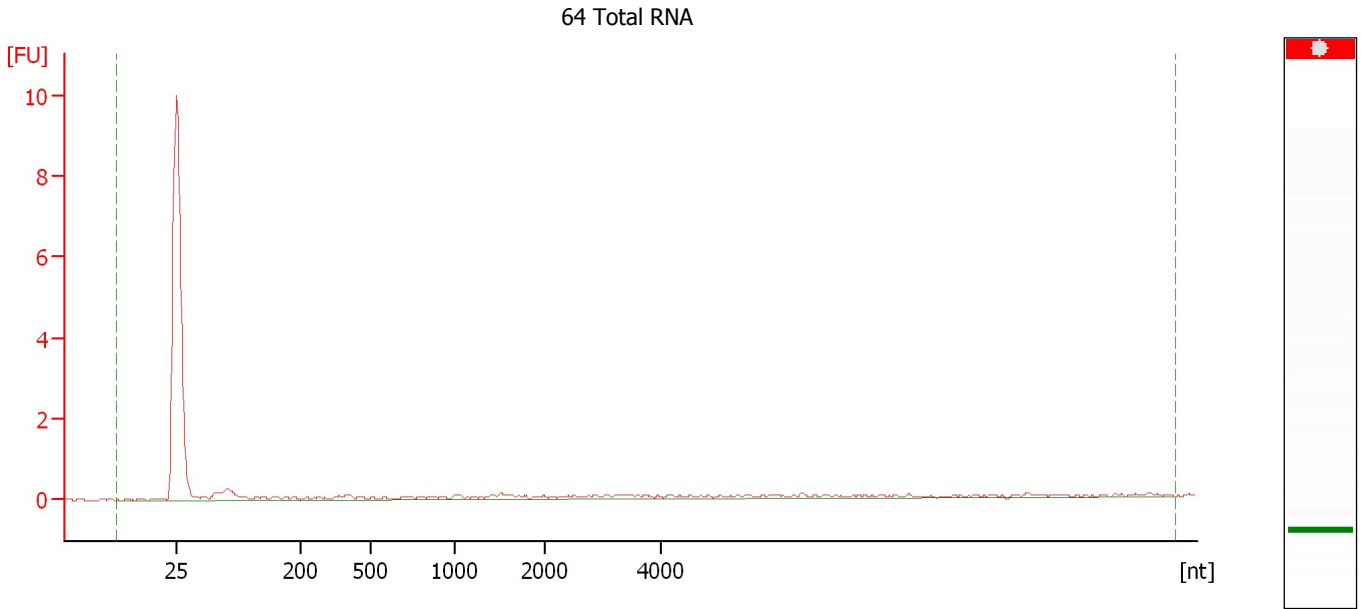
**Fragment table for sample 5 : 60 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,698	2,124	8.9	15.4
28S	3,338	4,165	9.2	15.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary Continued ...**



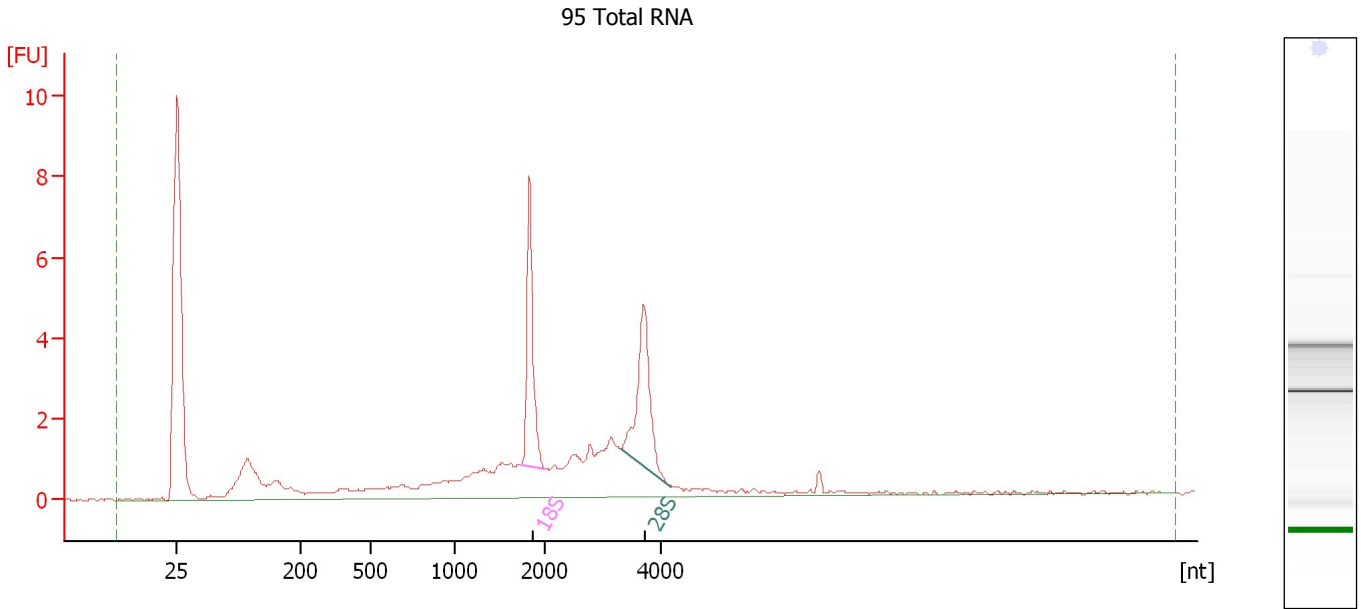
**Overall Results for sample 6 : 64 Total RNA**

RNA Area:	5.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/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

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
 Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 95 Total RNA**

RNA Area:	48.4	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	50 ng/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]:	1.0	Result Flagging Label:	RIN: 7.80

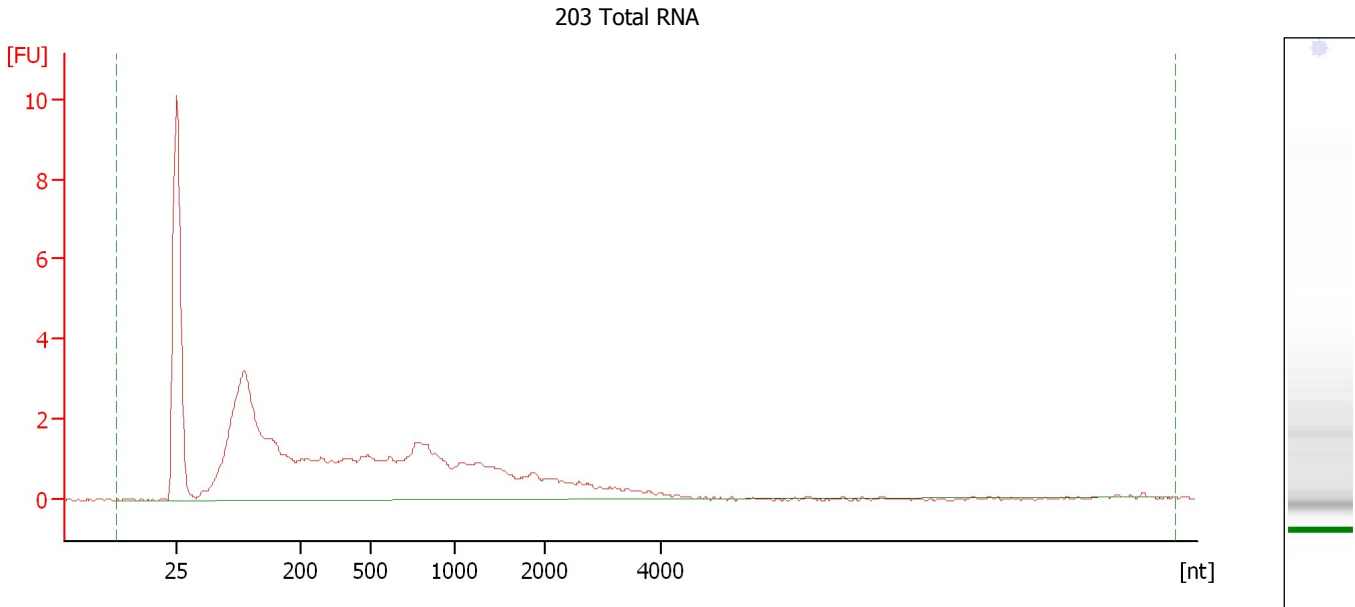
**Fragment table for sample 7 : 95 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,722	2,014	6.0	12.4
28S	3,319	4,165	5.9	12.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary Continued ...**



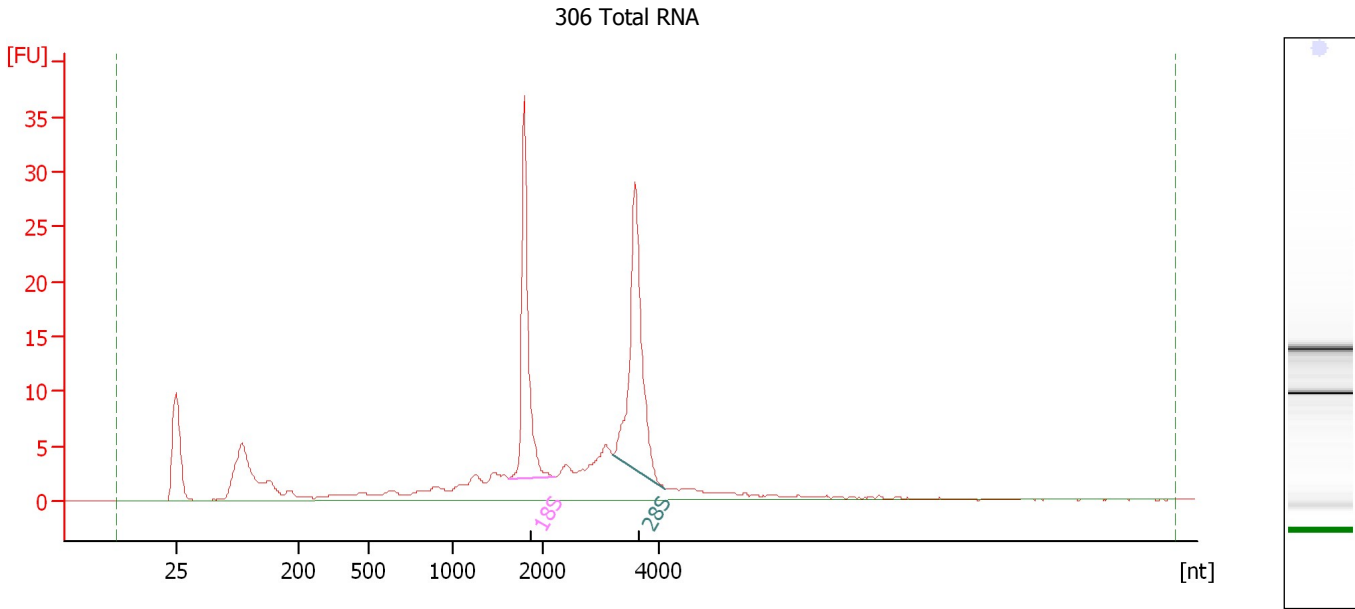
**Overall Results for sample 8 : 203 Total RNA**

RNA Area:	62.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	65 ng/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 Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
 Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 306 Total RNA**

RNA Area:	180.8	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	188 ng/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]:	1.2	Result Flagging Label:	RIN: 8.50

**Fragment table for sample 9 : 306 Total RNA**

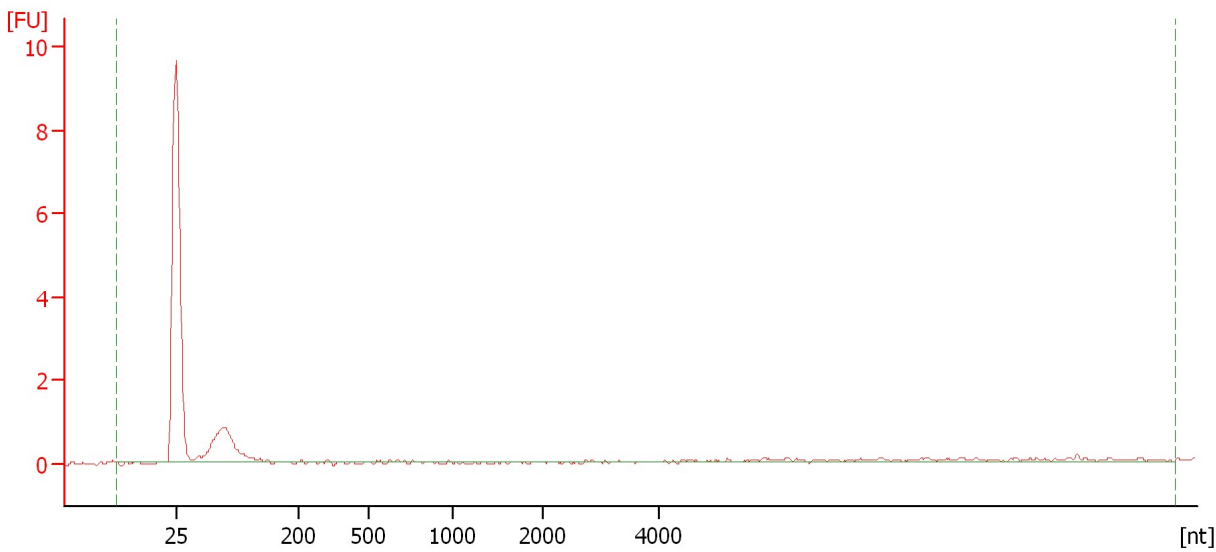
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,623	2,194	32.3	17.9
28S	3,226	4,111	38.4	21.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Electropherogram Summary Continued ...**

309 Total RNA



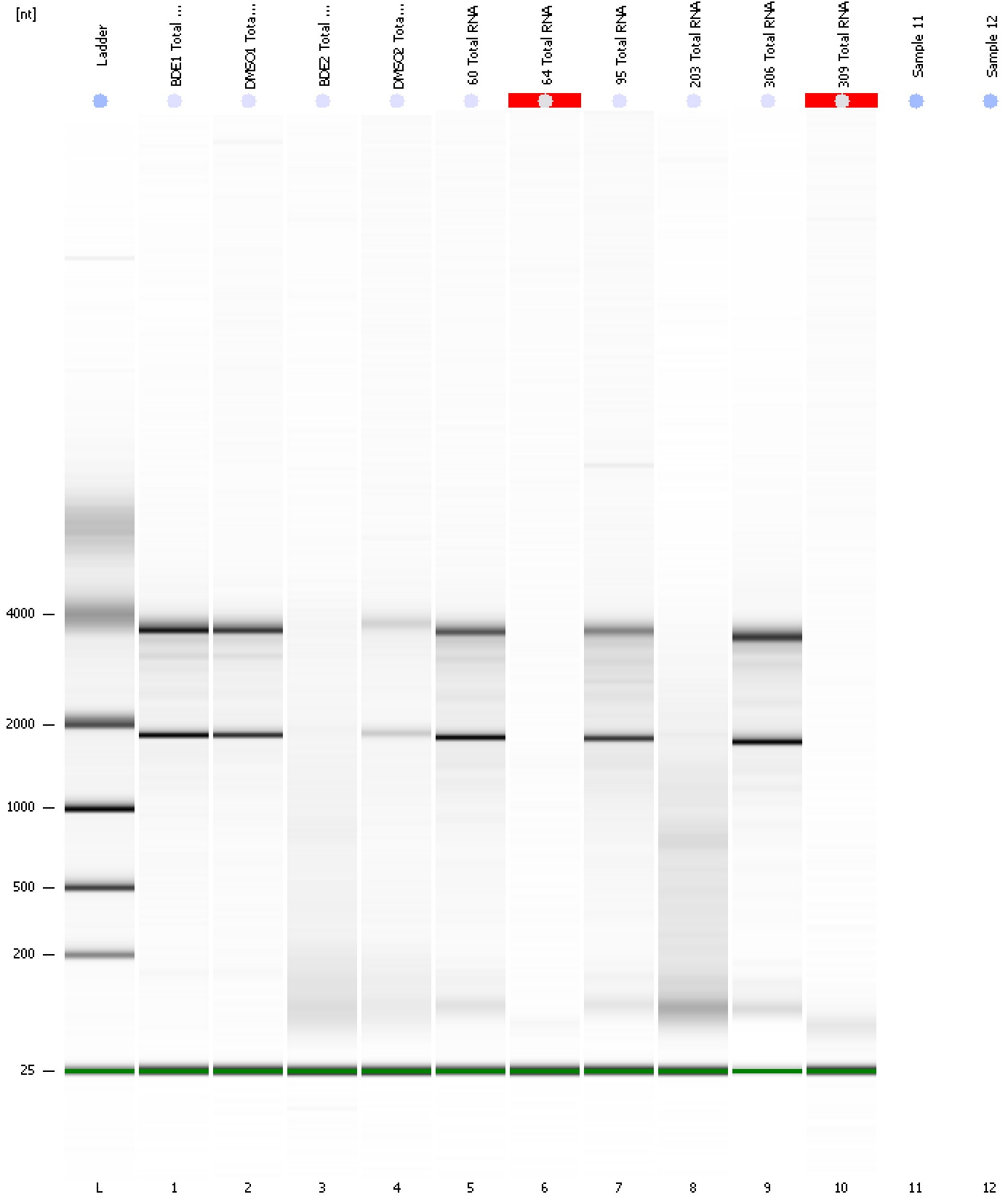
**Overall Results for sample 10 : 309 Total RNA**

RNA Area:	6.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	7 ng/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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Gel Image**



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Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
Modified: 2/19/2013 5:32:09 PM

**Invalid Samples**

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-02-19\2013-02-19\_005.xad

Created: 2/19/2013 5:11:03 PM  
 Modified: 2/19/2013 5:32:09 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		2/19/2013 5:32:06 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-02-19\2013-02-19_005.xad)		Instrument	Run		2/19/2013 5:11:09 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/19/2013 5:11:09 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/19/2013 5:11:09 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/19/2013 5:11:09 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/19/2013 5:11:09 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/19/2013 5:11:09 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/19/2013 5:11:09 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1