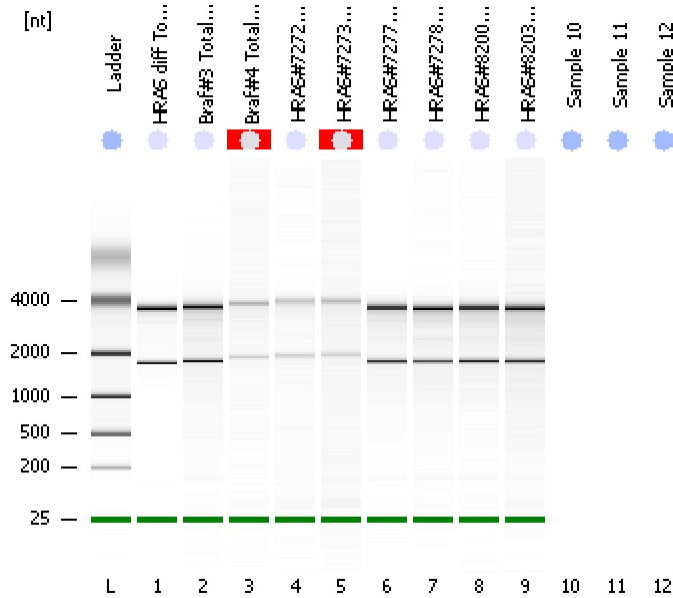


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Electrophoresis File Run Summary



Instrument Information:

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

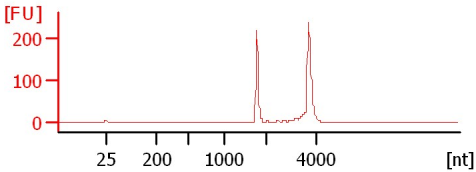
Assay Information:

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)
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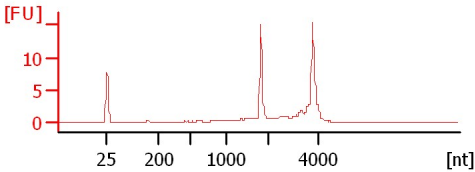
Chip Information:

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

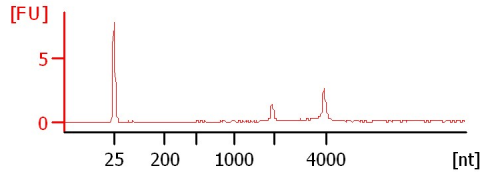
HRAS diff Total RNA
RIN: 10



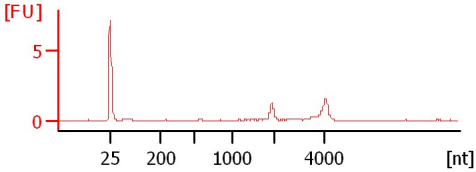
Braf#3 Total RNA
RIN: 8.70



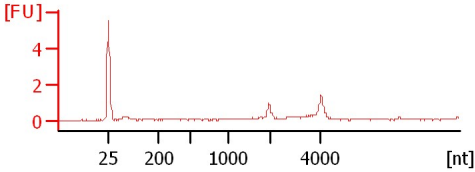
Braf#4 Total RNA
RIN N/A



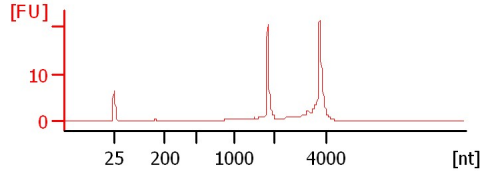
HRAS#7272 Total RNA
RIN: 8.30



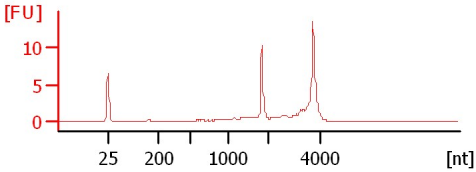
HRAS#7273 Total RNA
RIN N/A



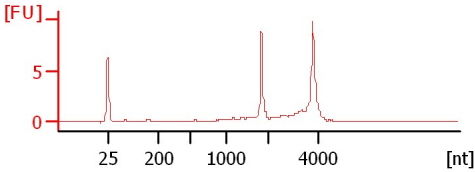
HRAS#7277 Total RNA
RIN: 8.90



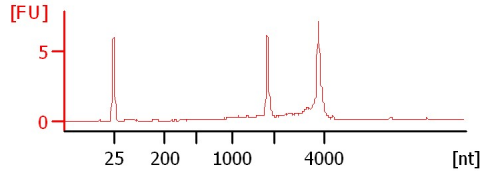
HRAS#7278 Total RNA
RIN: 8.80



HRAS#8200 Total RNA
RIN: 8.80



HRAS#8203 Total RNA
RIN: 8.60



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HRAS diff Total RNA		✓	RIN:10	
Braf#3 Total RNA		✓	RIN: 8.70	
Braf#4 Total RNA		✓	RIN N/A	
HRAS#7272 Total RNA		✓	RIN: 8.30	
HRAS#7273 Total RNA		✓	RIN N/A	
HRAS#7277 Total RNA		✓	RIN: 8.90	
HRAS#7278 Total RNA		✓	RIN: 8.80	
HRAS#8200 Total RNA		✓	RIN: 8.80	
HRAS#8203 Total RNA		✓	RIN: 8.60	
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 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

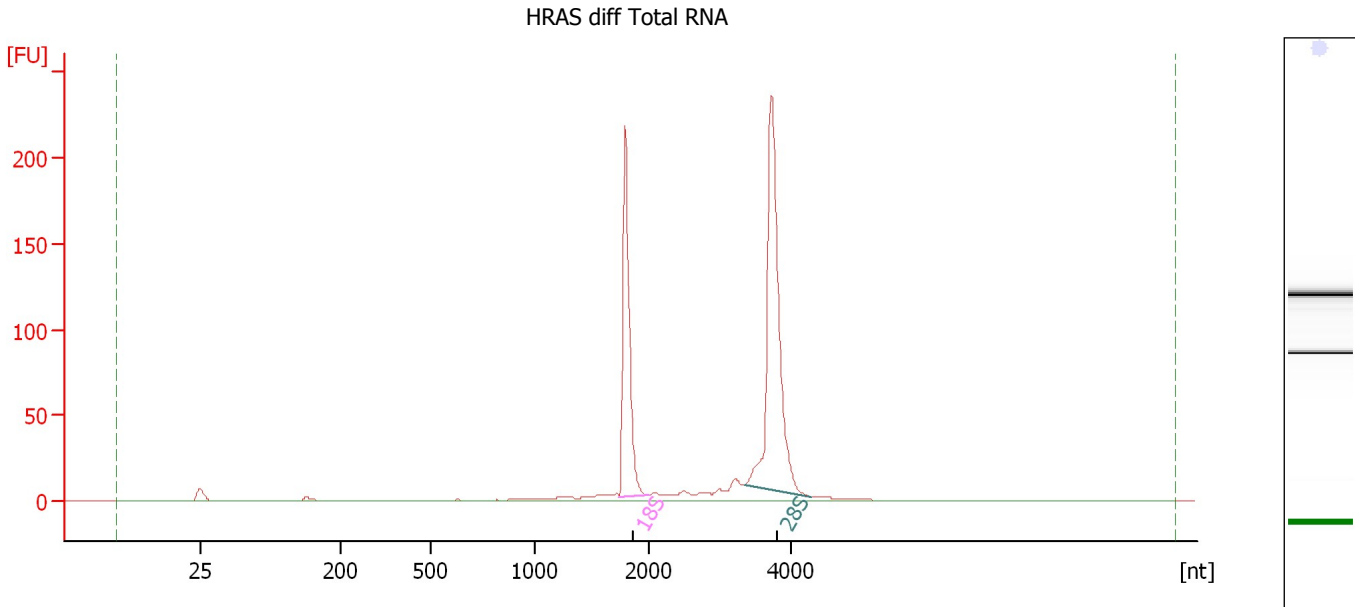
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
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Electropherogram Summary



Overall Results for sample 1 : HRAS diff Total RNA

RNA Area: 593.2 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 620 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN:10

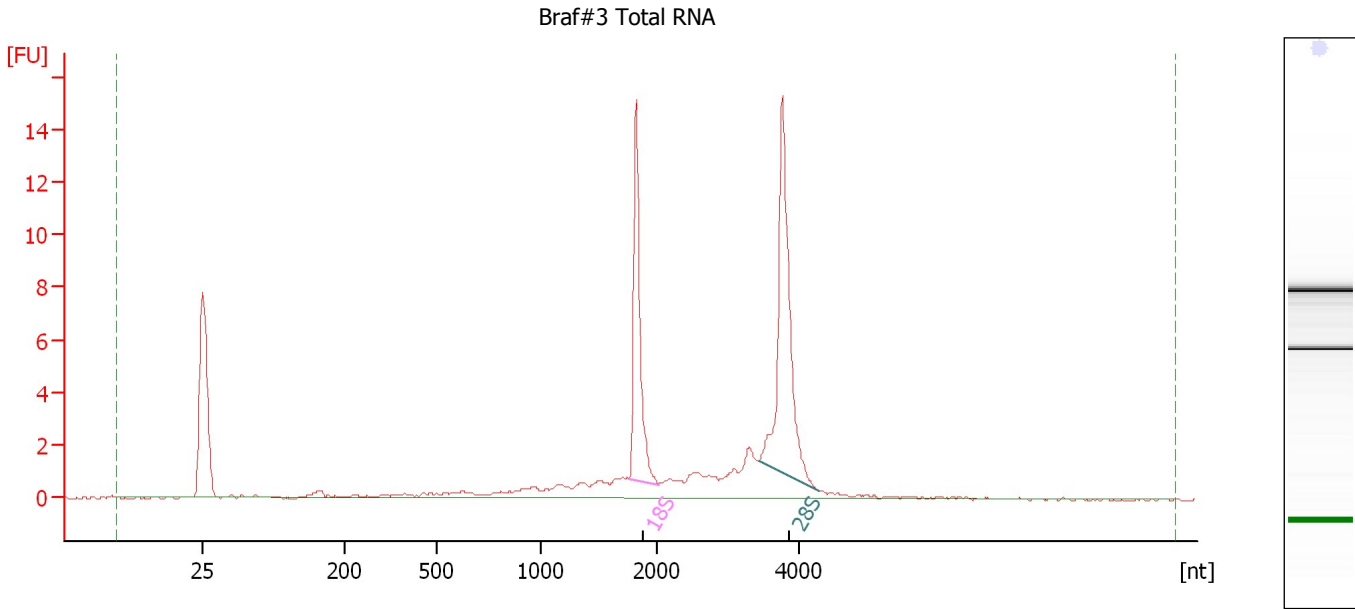
Fragment table for sample 1 : HRAS diff Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	1,984	166.1	28.0
28S	3,329	4,262	281.3	47.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Braf#3 Total RNA

RNA Area: 57.4 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 60 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.70

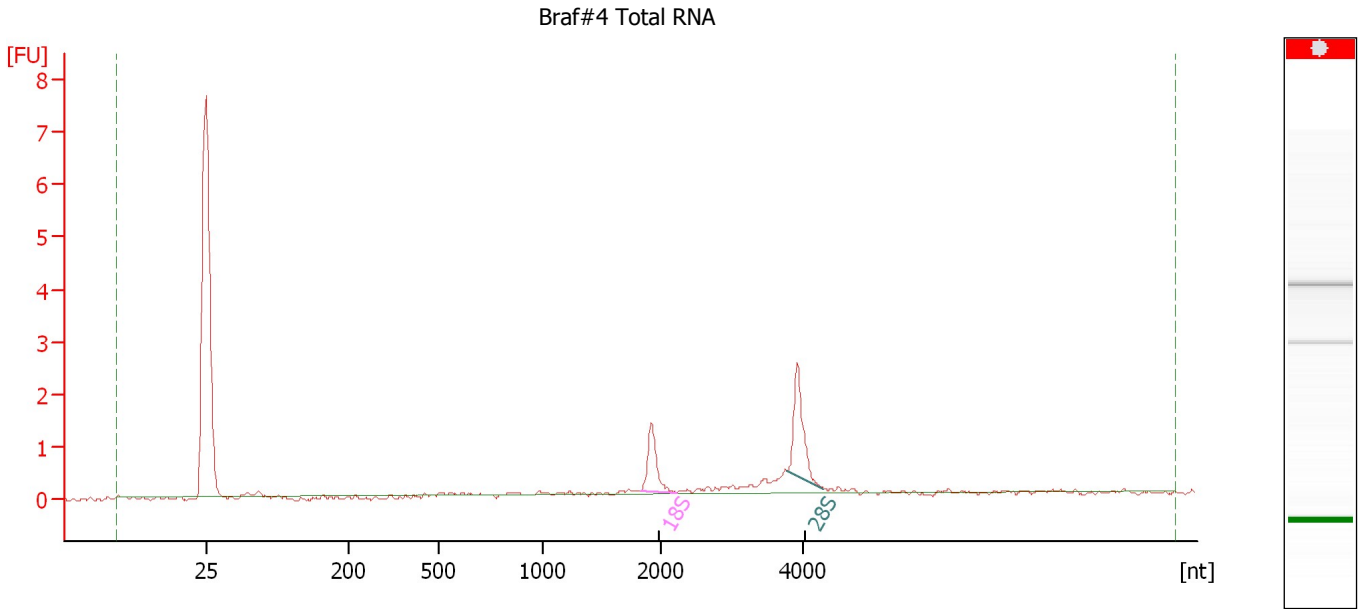
Fragment table for sample 2 : Braf#3 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,765	2,038	11.6	20.2
28S	3,430	4,282	17.0	29.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Braf#4 Total RNA

RNA Area:	7.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	8 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : Braf#4 Total RNA

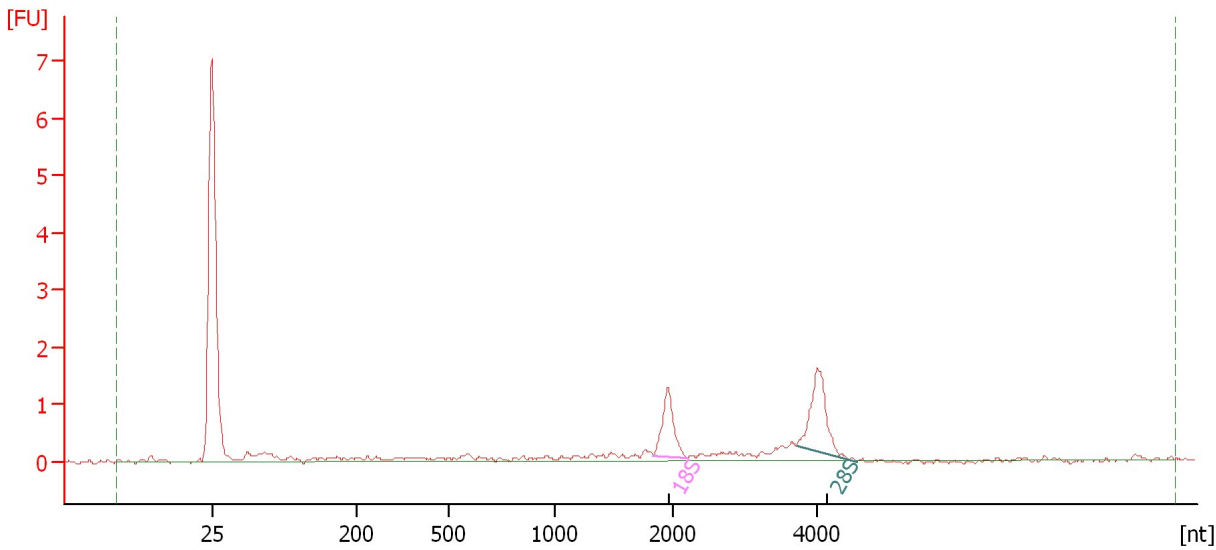
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,832	2,235	1.4	19.2
28S	3,769	4,276	2.1	27.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Electropherogram Summary Continued ...

HRAS#7272 Total RNA



Overall Results for sample 4 : HRAS#7272 Total RNA

RNA Area:	10.0	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	10 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.30

Fragment table for sample 4 : HRAS#7272 Total RNA

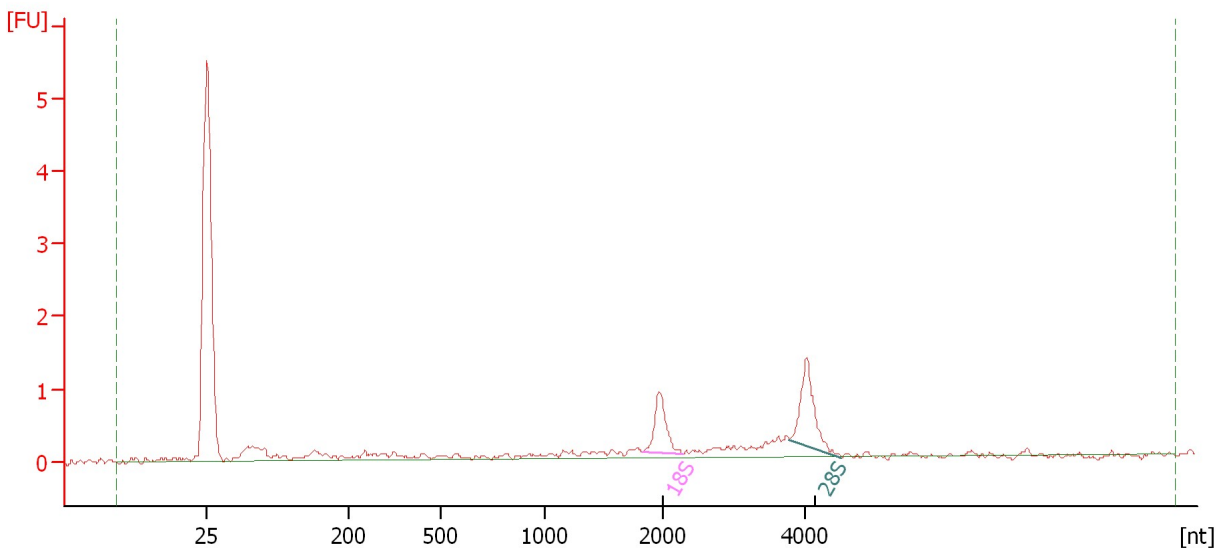
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,840	2,212	1.6	16.3
28S	3,712	4,535	2.3	23.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Electropherogram Summary Continued ...

HRAS#7273 Total RNA



Overall Results for sample 5 : HRAS#7273 Total RNA

RNA Area: 9.0 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 9 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN N/A

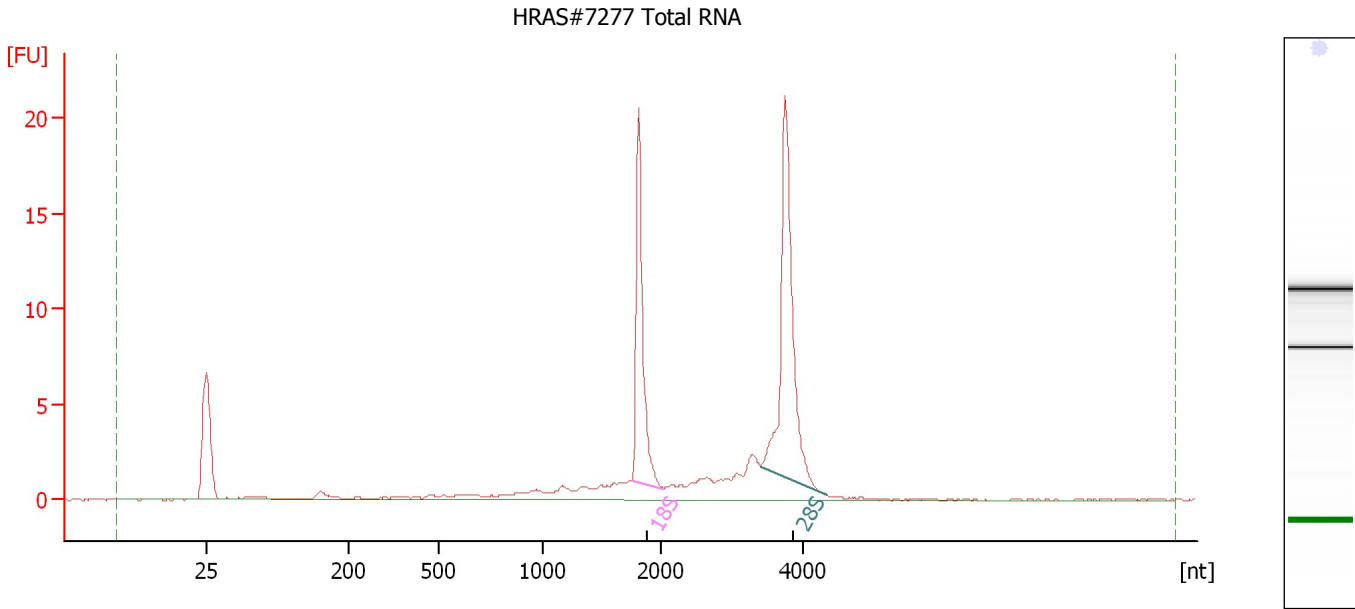
Fragment table for sample 5 : HRAS#7273 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,834	2,281	1.2	13.1
28S	3,767	4,495	1.7	18.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : HRAS#7277 Total RNA

RNA Area: 74.1 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 77 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.90

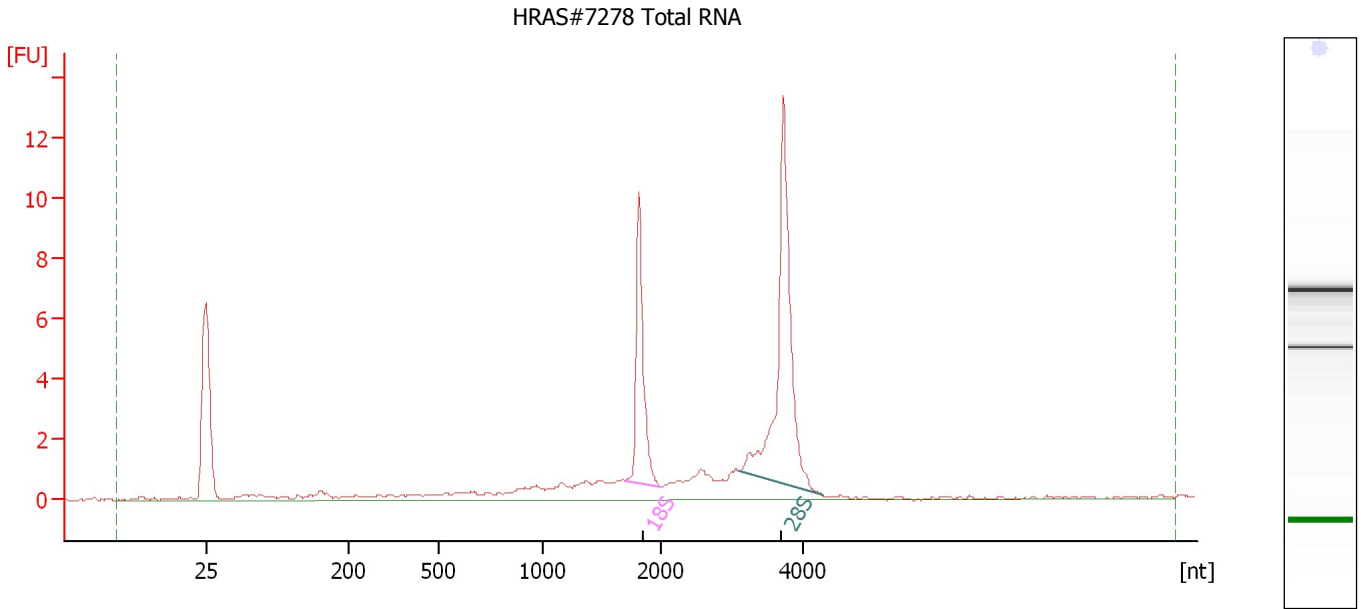
Fragment table for sample 6 : HRAS#7277 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,759	2,041	16.1	21.8
28S	3,397	4,335	23.8	32.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HRAS#7278 Total RNA

RNA Area: 51.0 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 53 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 8.80

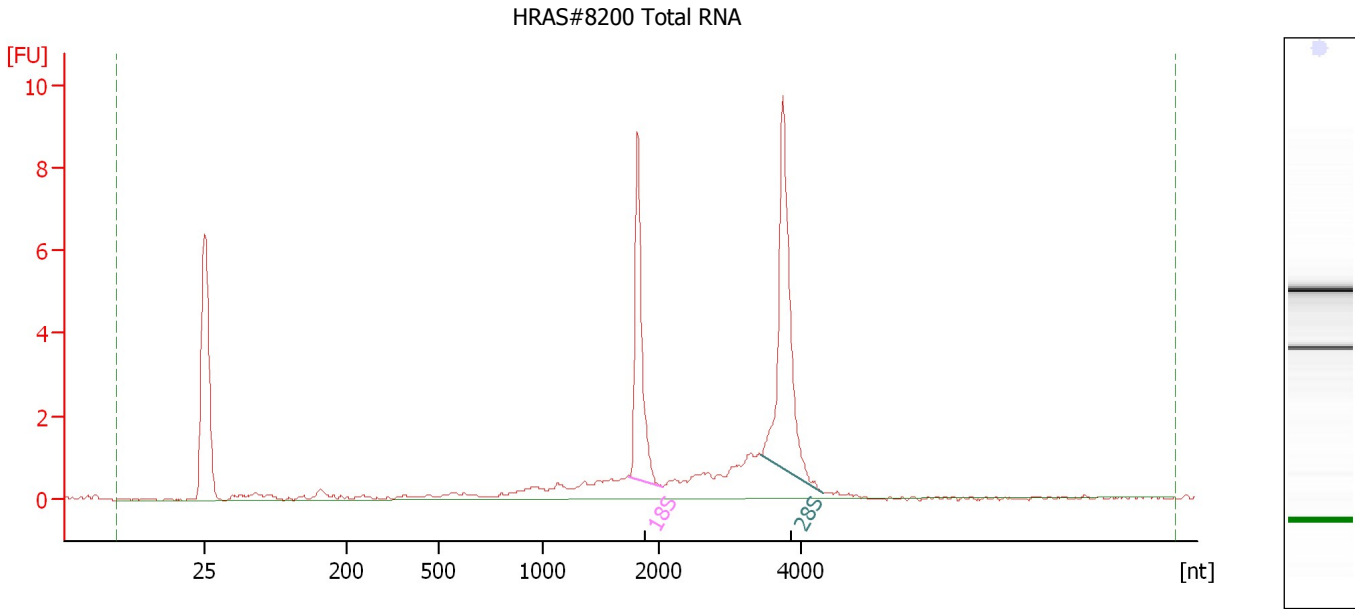
Fragment table for sample 7 : HRAS#7278 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,704	2,012	8.4	16.5
28S	3,114	4,261	17.0	33.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HRAS#8200 Total RNA

RNA Area: 37.6 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 39 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.80

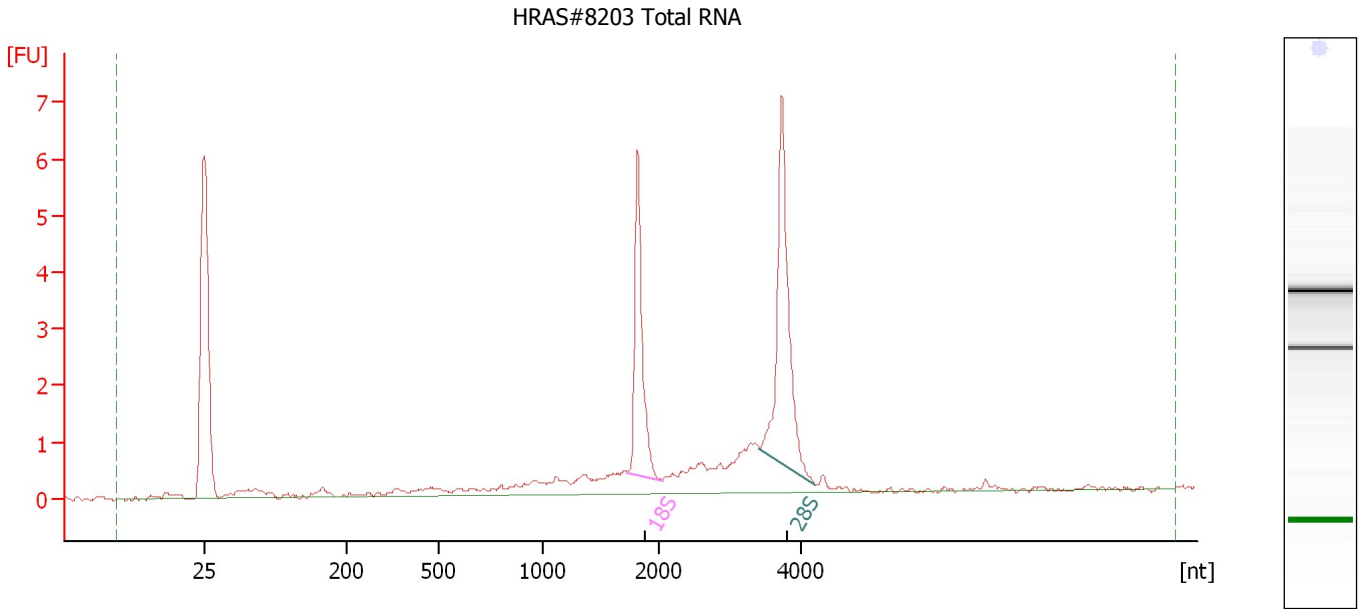
Fragment table for sample 8 : HRAS#8200 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,757	2,070	7.2	19.1
28S	3,428	4,294	10.7	28.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : HRAS#8203 Total RNA

RNA Area: 29.6 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 31 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.60

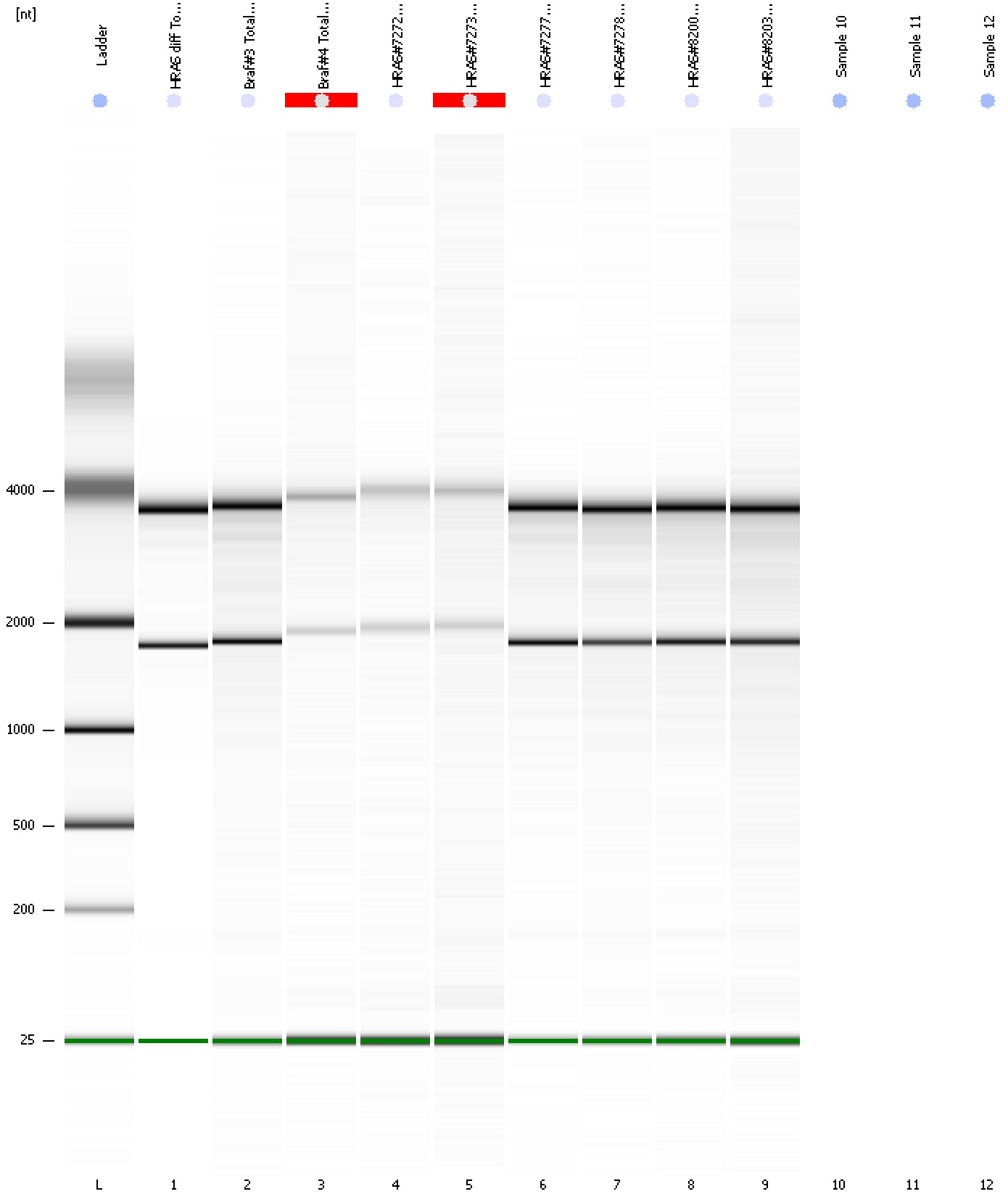
Fragment table for sample 9 : HRAS#8203 Total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	2,055	5.3	17.8
28S	3,413	4,204	7.7	25.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-17\2014-05-17_001.xad

Created: 5/17/2014 1:25:43 PM
Modified: 5/17/2014 4:37:21 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.