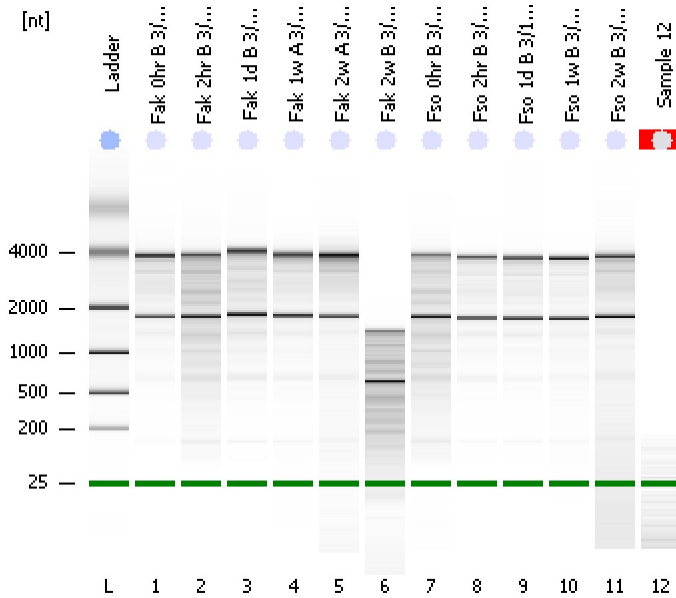


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 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 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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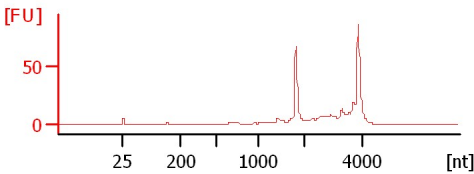
Chip Information:

Chip Lot #:

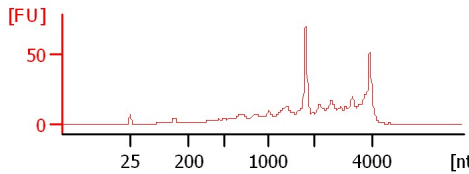
Reagent Kit Lot #:

Chip Comments:

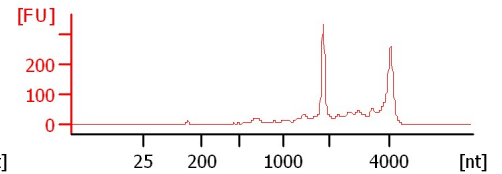
Fak 0hr B 3/12/12
RIN: 8.30



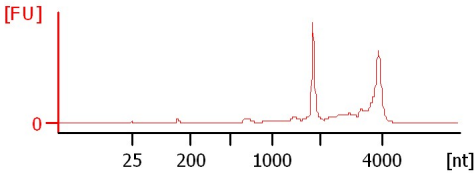
Fak 2hr B 3/12/12
RIN: 6.50



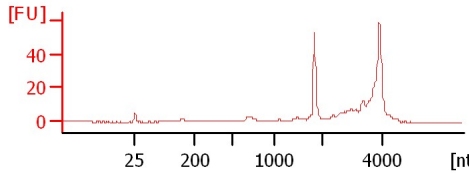
Fak 1d B 3/13/12
RIN: 8.10



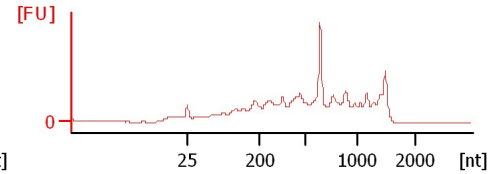
Fak 1w A 3/19/12
RIN: 8.60



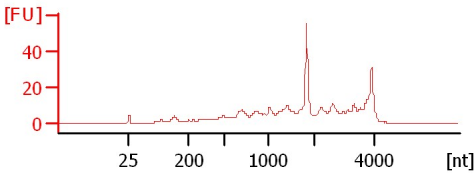
Fak 2w A 3/27/12
RIN: 8.40



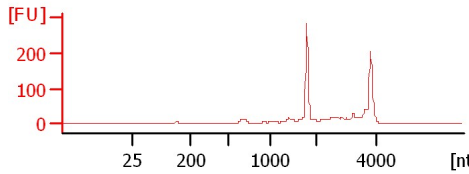
Fak 2w B 3/17/12
RIN: 3.40



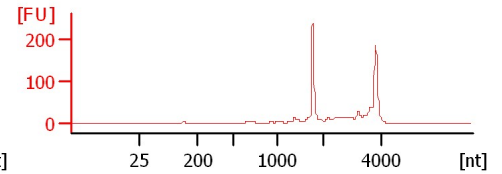
Fso 0hr B 3/12/12
RIN: 6.10



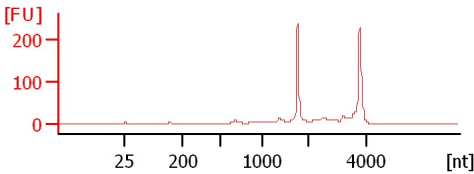
Fso 2hr B 3/12/12
RIN: 7.90



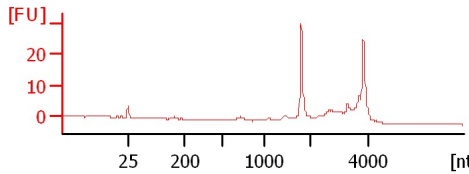
Fso 1d B 3/13/12
RIN: 8.30



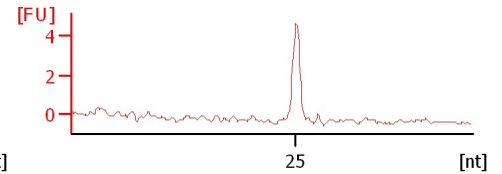
Fso 1w B 3/19/12
RIN: 8



Fso 2w B 3/27/12
RIN: 9.30



Sample 12
RIN N/A



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Fak 0hr B 3/12/12		✓	RIN: 8.30	
Fak 2hr B 3/12/12		✓	RIN: 6.50	
Fak 1d B 3/13/12		✓	RIN: 8.10	
Fak 1w A 3/19/12		✓	RIN: 8.60	
Fak 2w A 3/27/12		✓	RIN: 8.40	
Fak 2w B 3/17/12		✓	RIN: 3.40	
Fso 0hr B 3/12/12		✓	RIN: 6.10	
Fso 2hr B 3/12/12		✓	RIN: 7.90	
Fso 1d B 3/13/12		✓	RIN: 8.30	
Fso 1w B 3/19/12		✓	RIN:8	
Fso 2w B 3/27/12		✓	RIN: 9.30	
Sample 12		✗	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ l] : 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

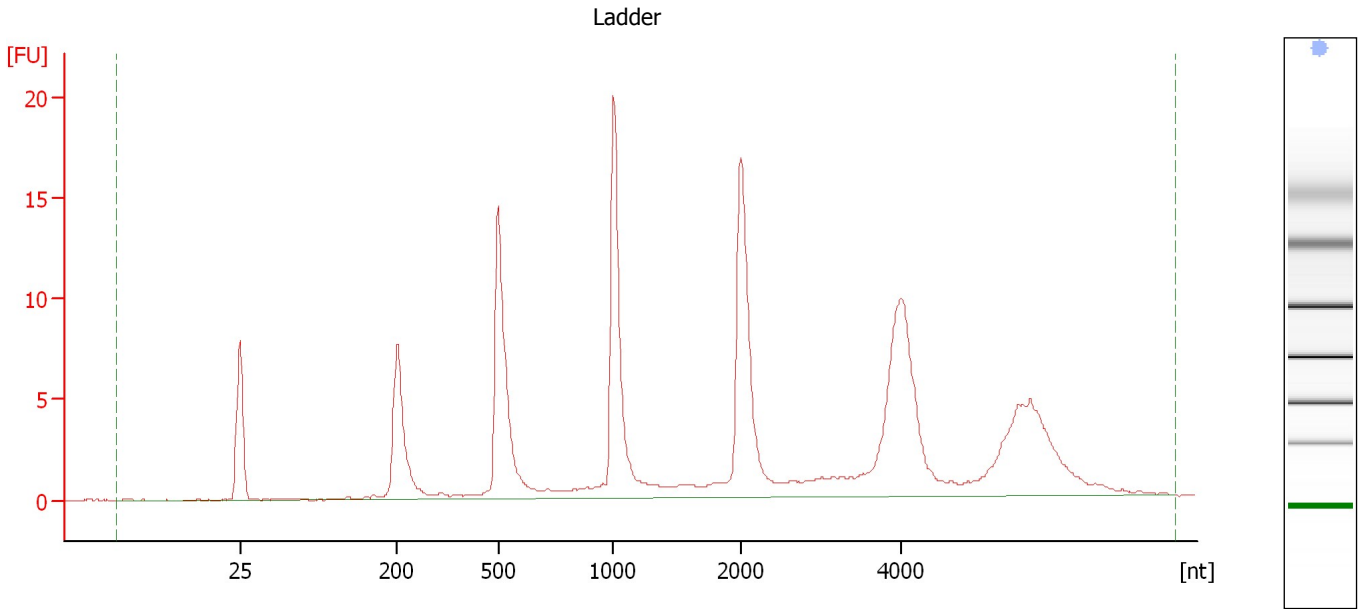
Ladder

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\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary



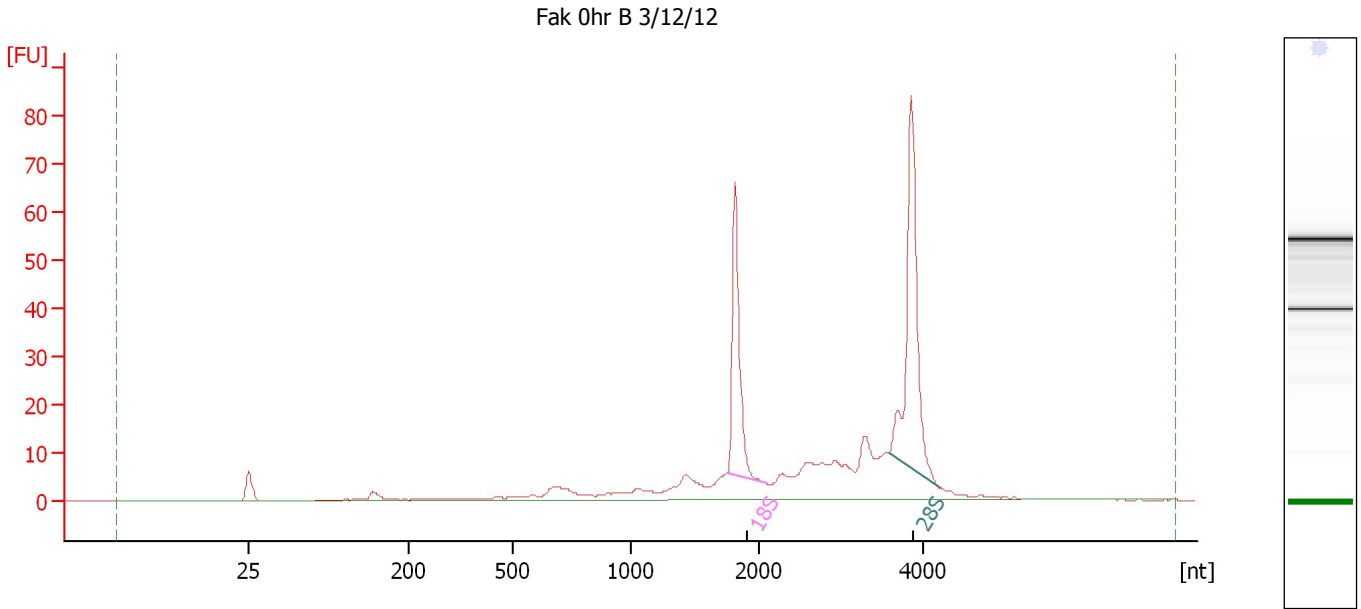
Overall Results for Ladder

RNA Area:	149.7	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Fak Ohr B 3/12/12

RNA Area: 309.4 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 310 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.30

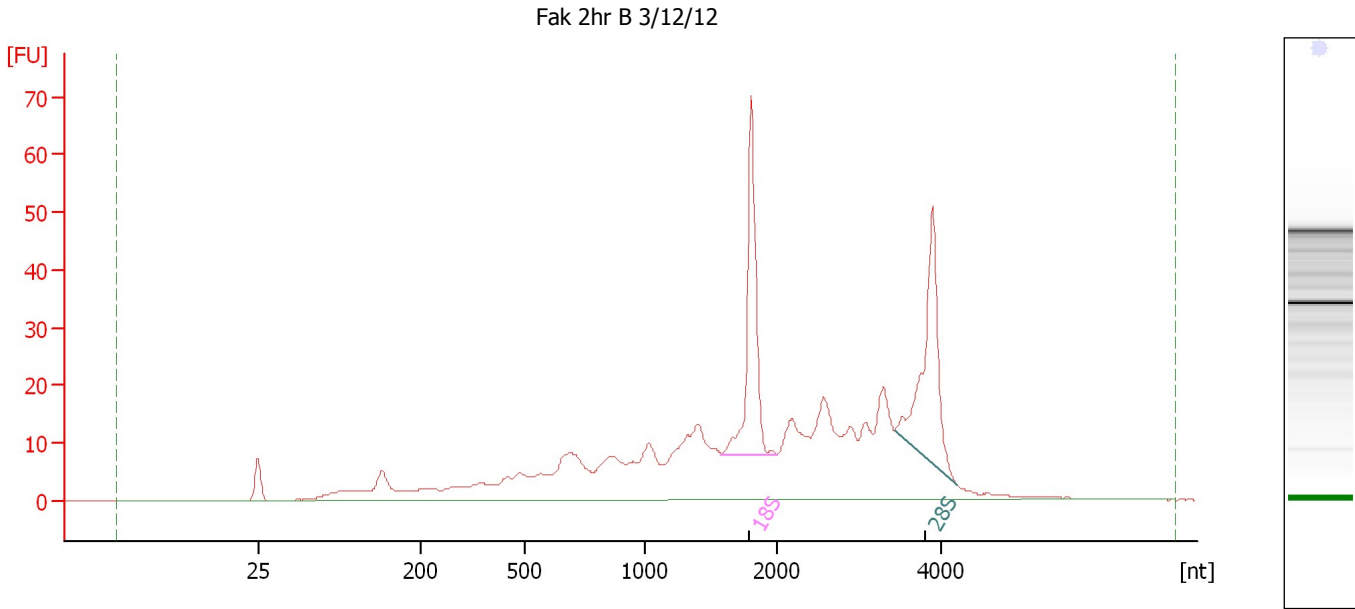
Fragment table for sample 1 : Fak Ohr B 3/12/12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,749	2,087	48.6	15.7
28S	3,580	4,196	74.8	24.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
 Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Fak 2hr B 3/12/12

RNA Area:	555.8	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	557 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.50

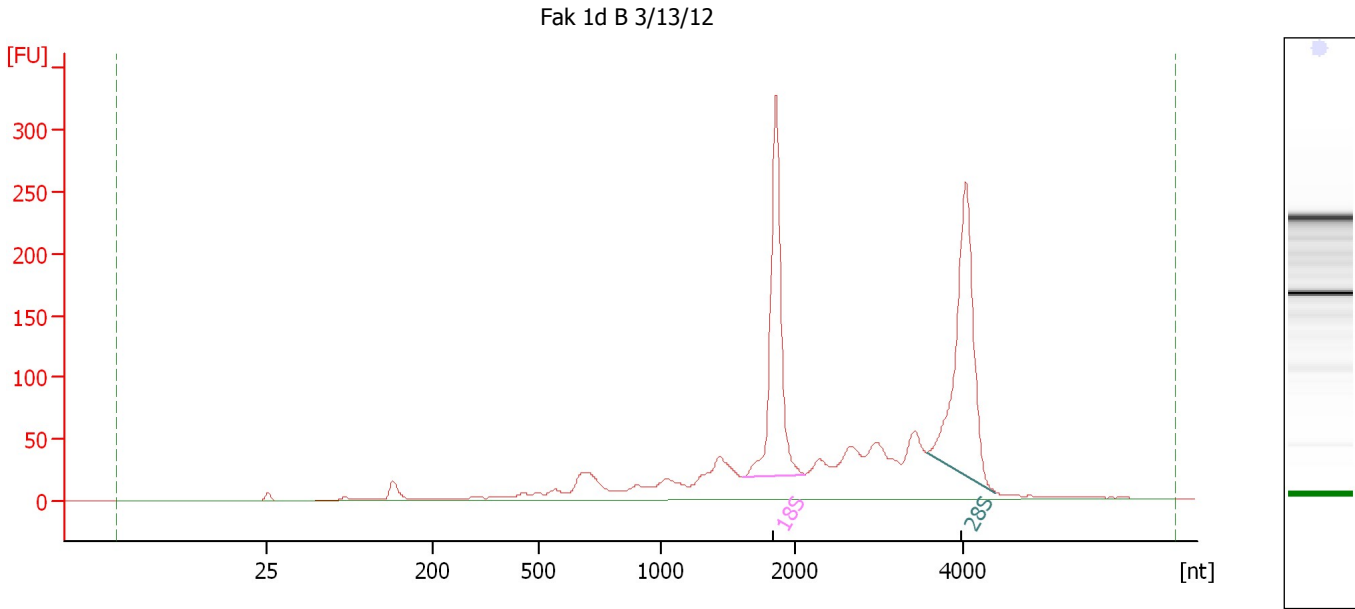
Fragment table for sample 2 : Fak 2hr B 3/12/12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	2,015	57.3	10.3
28S	3,434	4,182	58.6	10.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Fak 1d B 3/13/12

RNA Area:	1,723.3	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	1,727 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.10

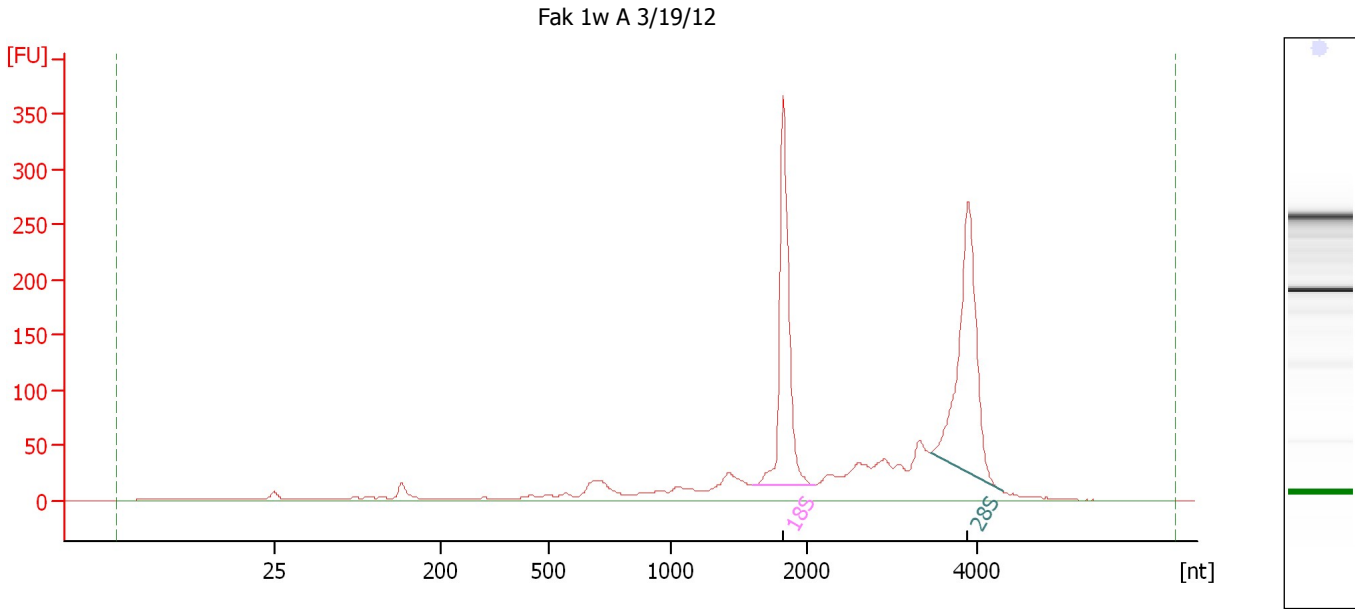
Fragment table for sample 3 : Fak 1d B 3/13/12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,615	2,112	339.5	19.7
28S	3,570	4,382	370.4	21.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Fak 1w A 3/19/12

RNA Area:	1,654.4	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	1,658 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.60

Fragment table for sample 4 : Fak 1w A 3/19/12

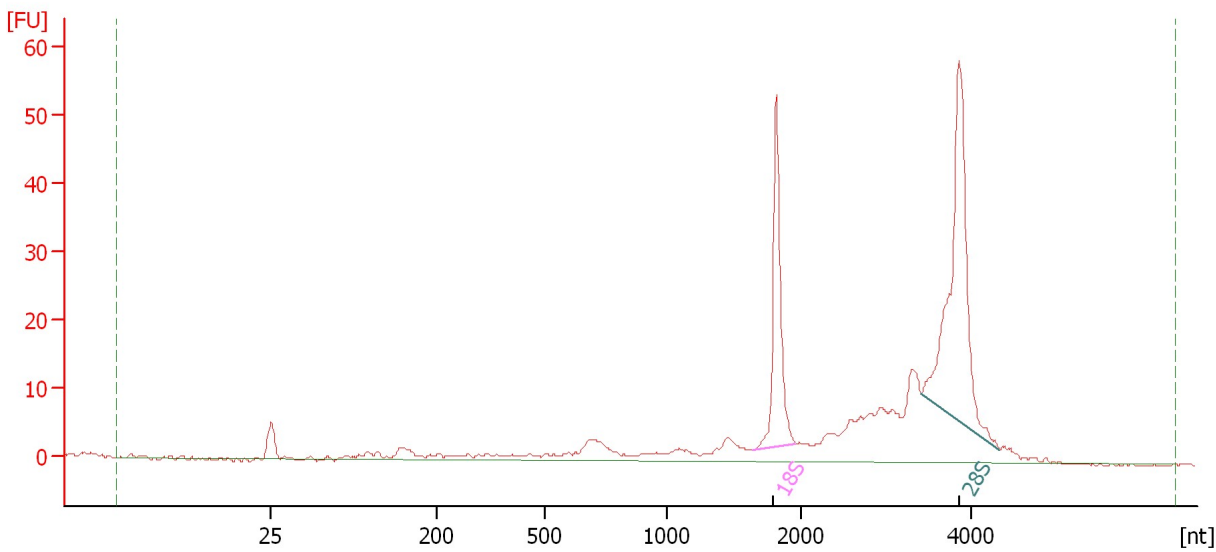
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,599	2,091	341.4	20.6
28S	3,445	4,298	390.7	23.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...

Fak 2w A 3/27/12



Overall Results for sample 5 : Fak 2w A 3/27/12

RNA Area: 290.3 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 291 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 8.40

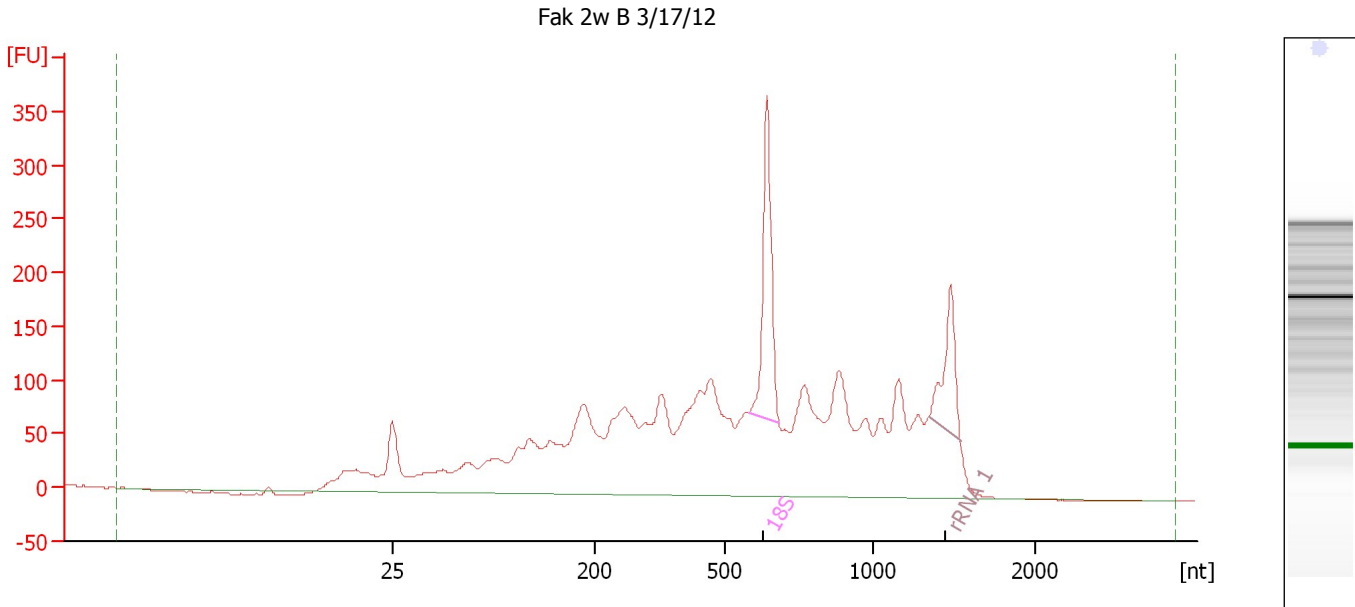
Fragment table for sample 5 : Fak 2w A 3/27/12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,642	1,960	41.5	14.3
28S	3,413	4,346	76.8	26.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Fak 2w B 3/17/12

RNA Area: 3,911.3 RNA Integrity Number (RIN): 3.4 (B.02.08)
RNA Concentration: 3,920 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 3.40

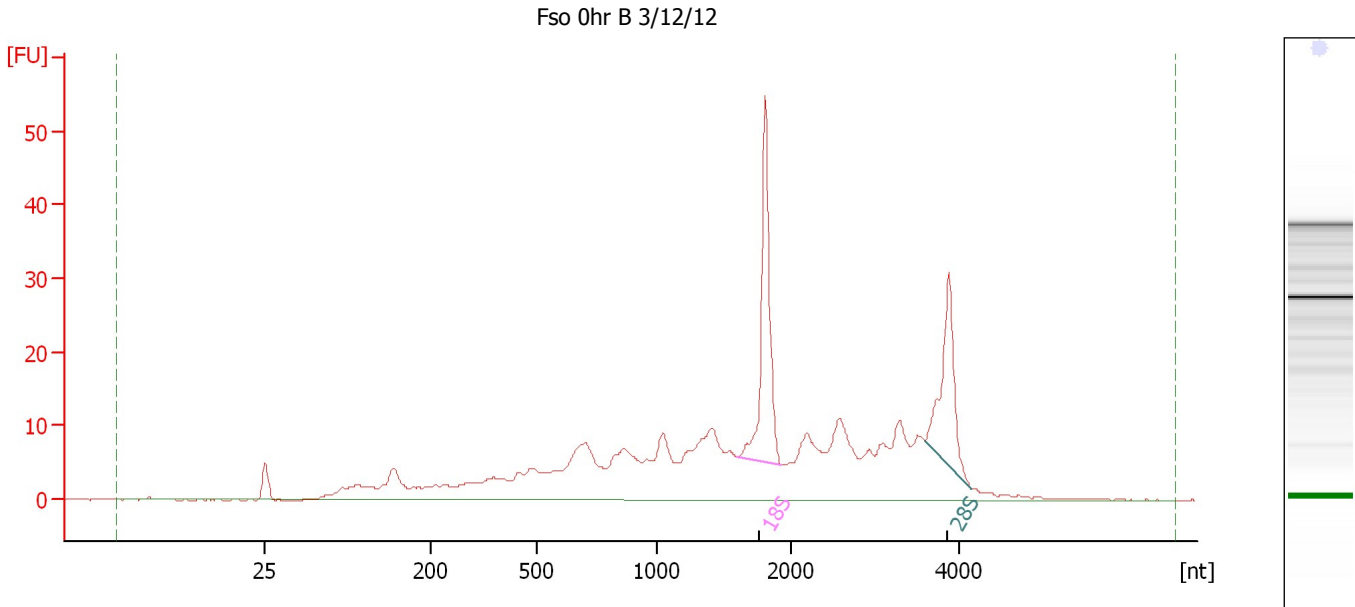
Fragment table for sample 6 : Fak 2w B 3/17/12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	585	684	270.1	6.9
rRNA 1	1,347	1,538	136.6	3.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
 Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Fso 0hr B 3/12/12

RNA Area:	407.4	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	408 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 6.10

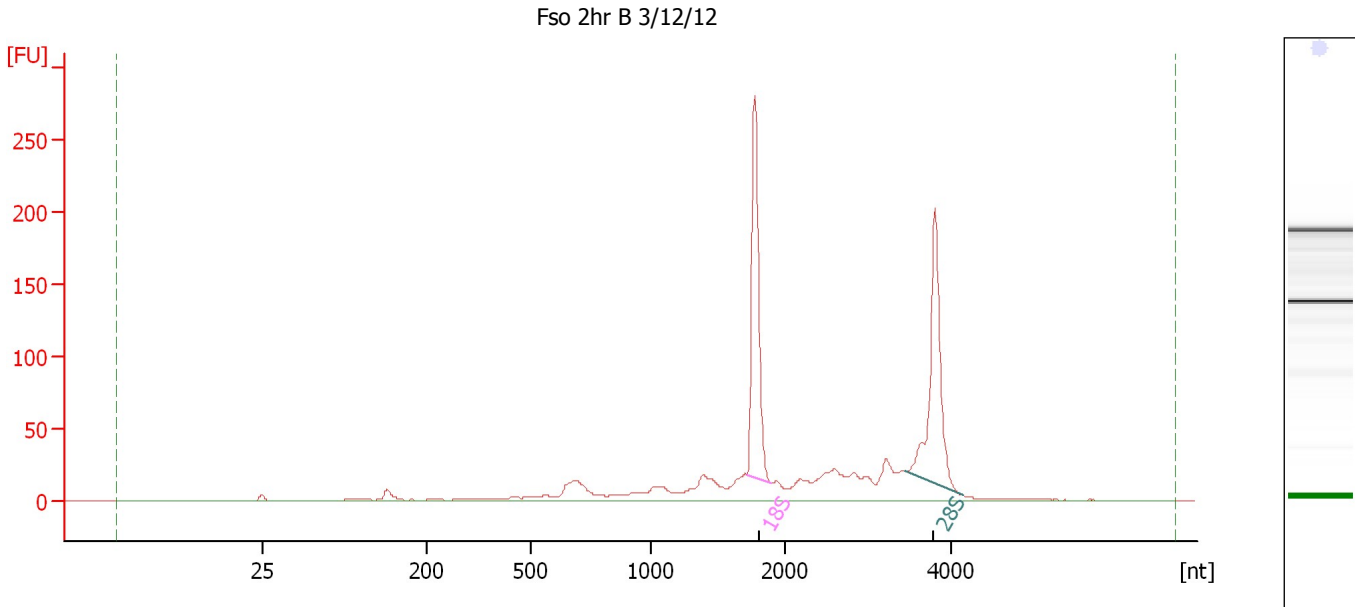
Fragment table for sample 7 : Fso 0hr B 3/12/12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,604	1,933	44.4	10.9
28S	3,612	4,147	29.6	7.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Fso 2hr B 3/12/12

RNA Area:	883.0	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	885 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.90

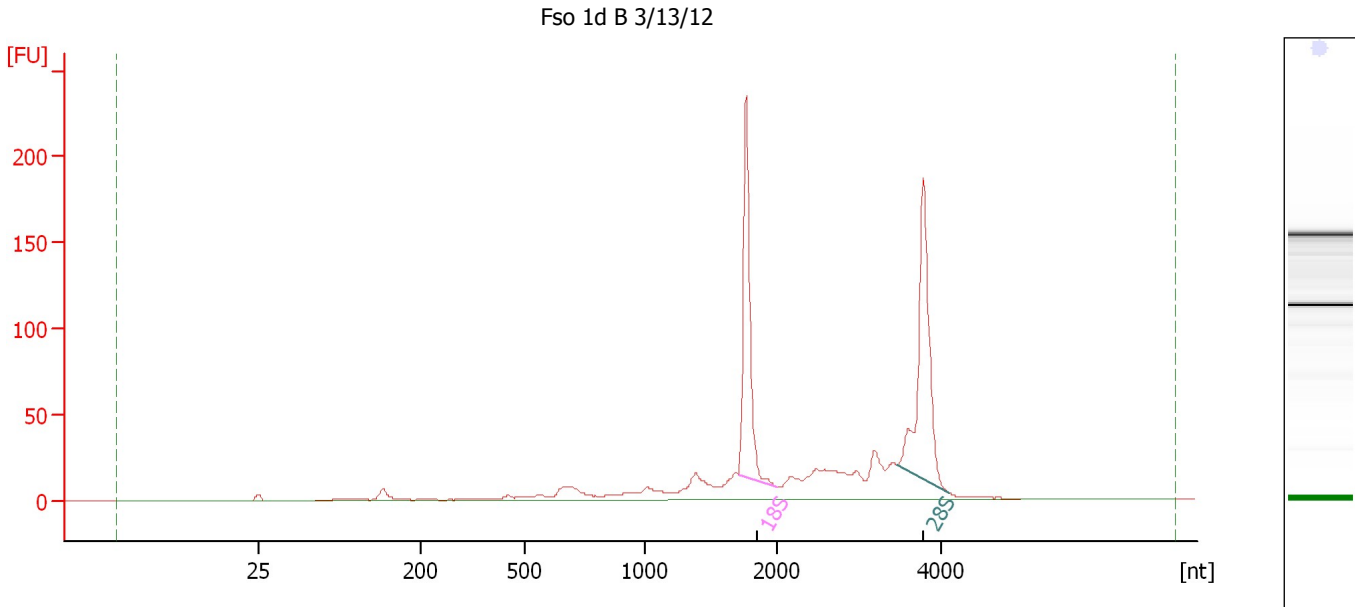
Fragment table for sample 8 : Fso 2hr B 3/12/12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,721	1,899	188.2	21.3
28S	3,452	4,131	188.9	21.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Fso 1d B 3/13/12

RNA Area: 776.6 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 778 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 8.30

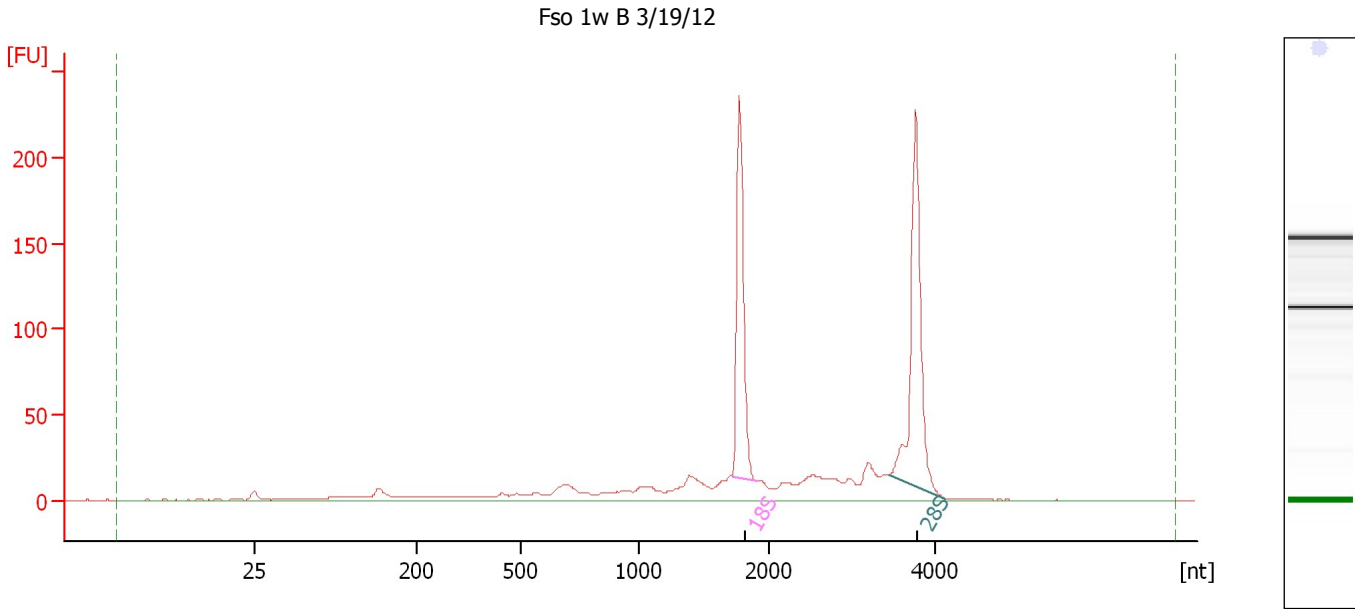
Fragment table for sample 9 : Fso 1d B 3/13/12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,717	2,002	165.2	21.3
28S	3,460	4,079	182.5	23.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Fso 1w B 3/19/12

RNA Area: 838.5 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 840 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN:8

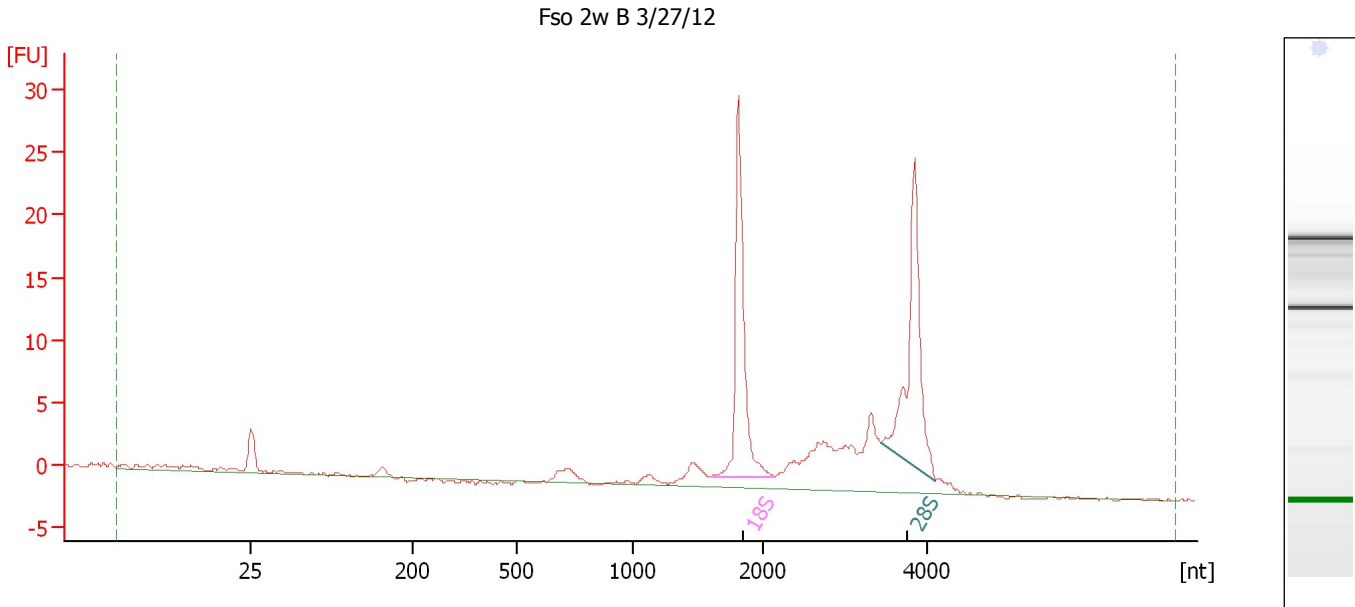
Fragment table for sample 10 : Fso 1w B 3/19/12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	1,893	159.0	19.0
28S	3,453	4,127	198.1	23.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
 Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Fso 2w B 3/27/12

RNA Area:	114.1	RNA Integrity Number (RIN):	9.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	114 ng/μl		
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.30

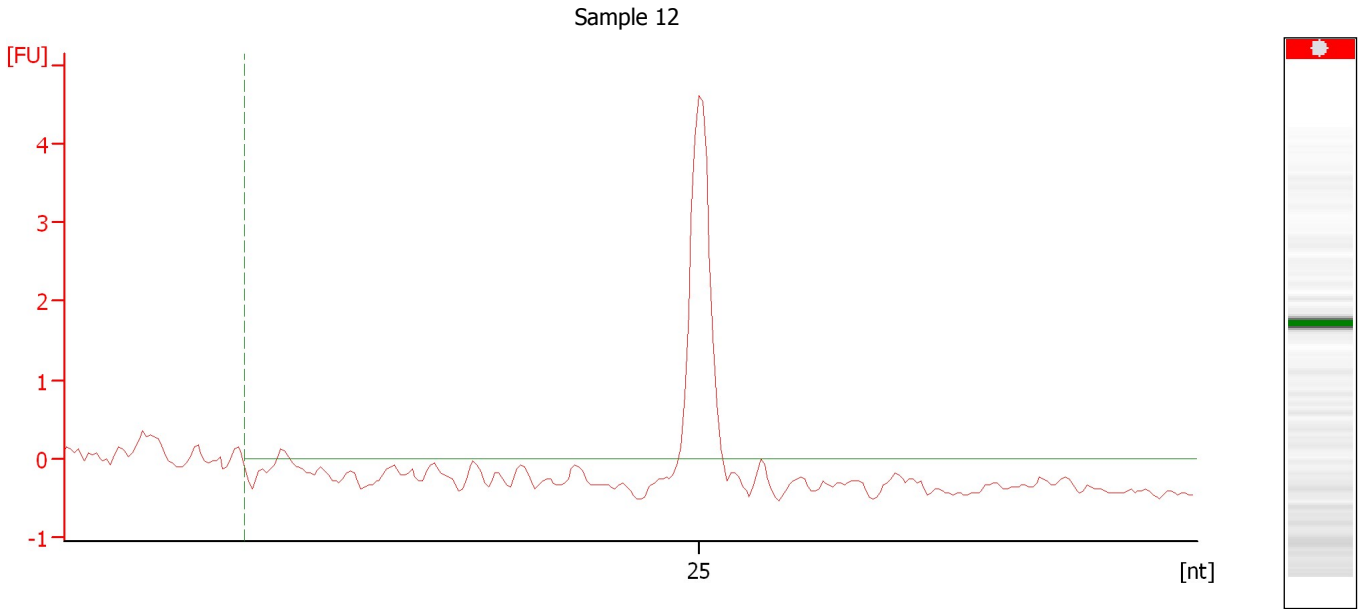
Fragment table for sample 11 : Fso 2w B 3/27/12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,603	2,127	26.5	23.2
28S	3,432	4,098	26.2	22.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 12 : Sample 12

End Analysis Time Range [s] : 32.6

Overall Results for sample 12 : Sample 12

RNA Area:	0.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	0 ng/μl	Result Flagging Color:	<input type="checkbox"/>
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\2013-10-11\2013-10-11_002.xad

Created: 10/11/2013 10:43:52 AM
Modified: 10/11/2013 11:11:15 AM

Gel Image

