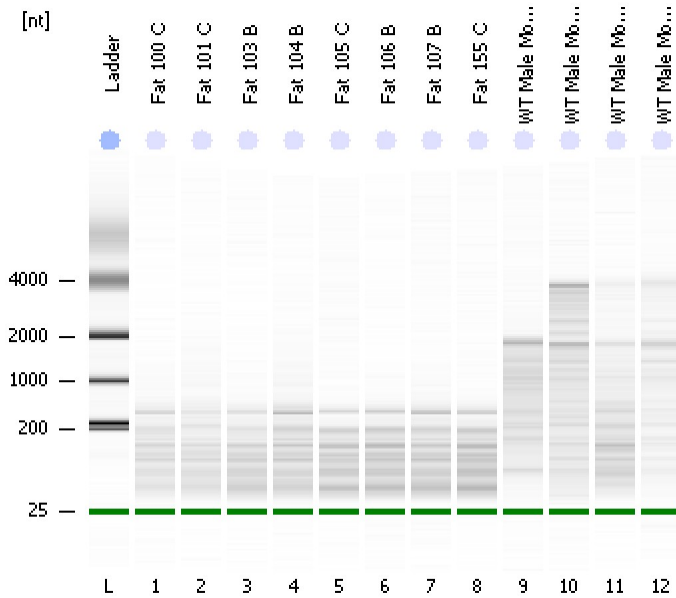


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electrophoresis File Run Summary



Instrument Information:

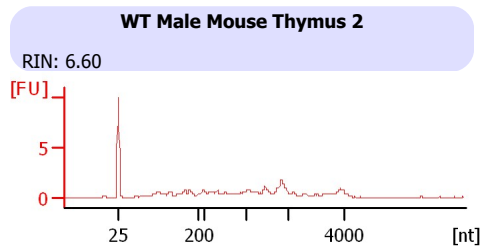
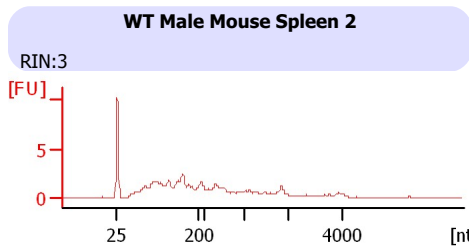
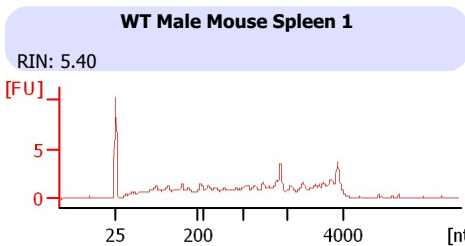
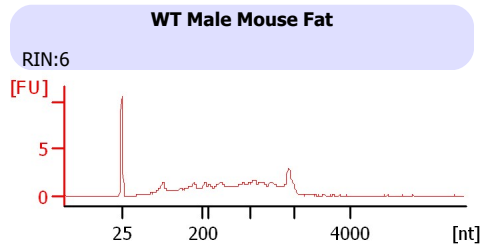
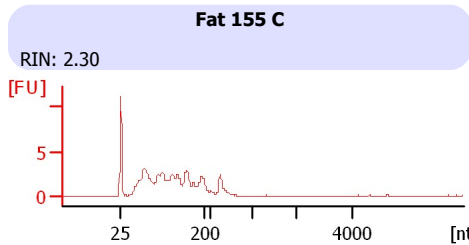
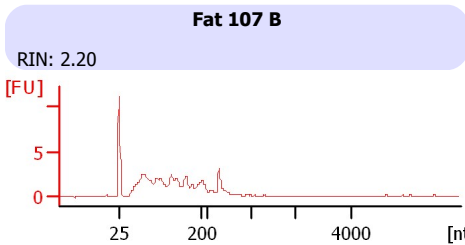
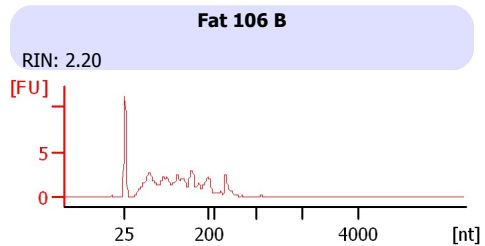
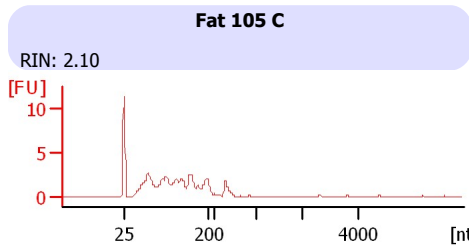
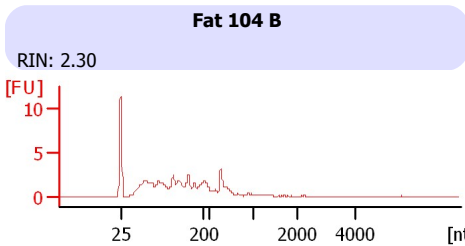
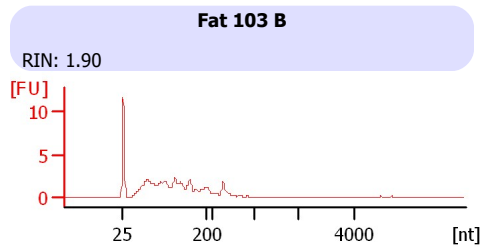
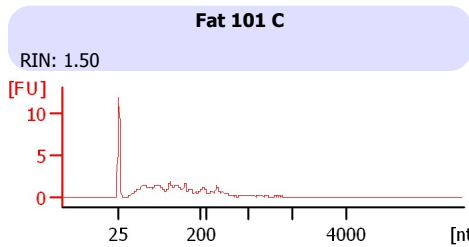
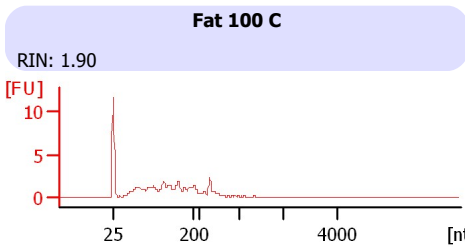
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
 Modified: 6/25/2014 2:33:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Fat 100 C		✓	RIN: 1.90	
Fat 101 C		✓	RIN: 1.50	
Fat 103 B		✓	RIN: 1.90	
Fat 104 B		✓	RIN: 2.30	
Fat 105 C		✓	RIN: 2.10	
Fat 106 B		✓	RIN: 2.20	
Fat 107 B		✓	RIN: 2.20	
Fat 155 C		✓	RIN: 2.30	
WT Male Mouse Fat		✓	RIN:6	
WT Male Mouse Spleen 1		✓	RIN: 5.40	
WT Male Mouse Spleen 2		✓	RIN:3	
WT Male Mouse Thymus 2		✓	RIN: 6.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 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

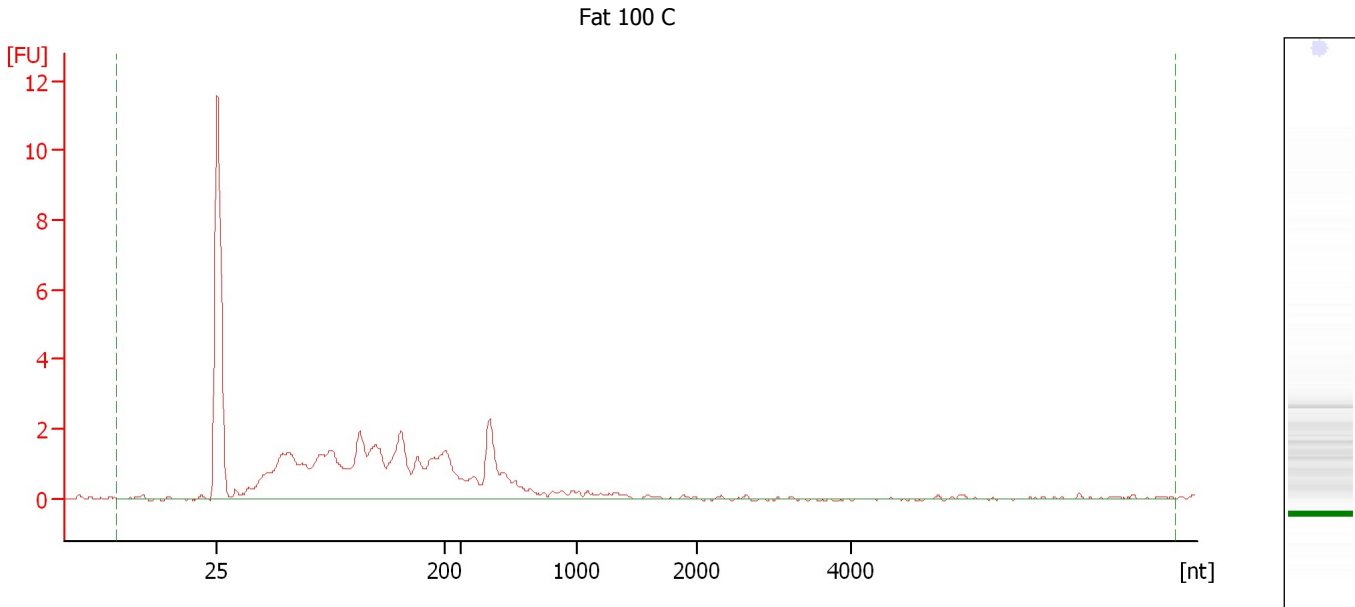
Ladder

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\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary



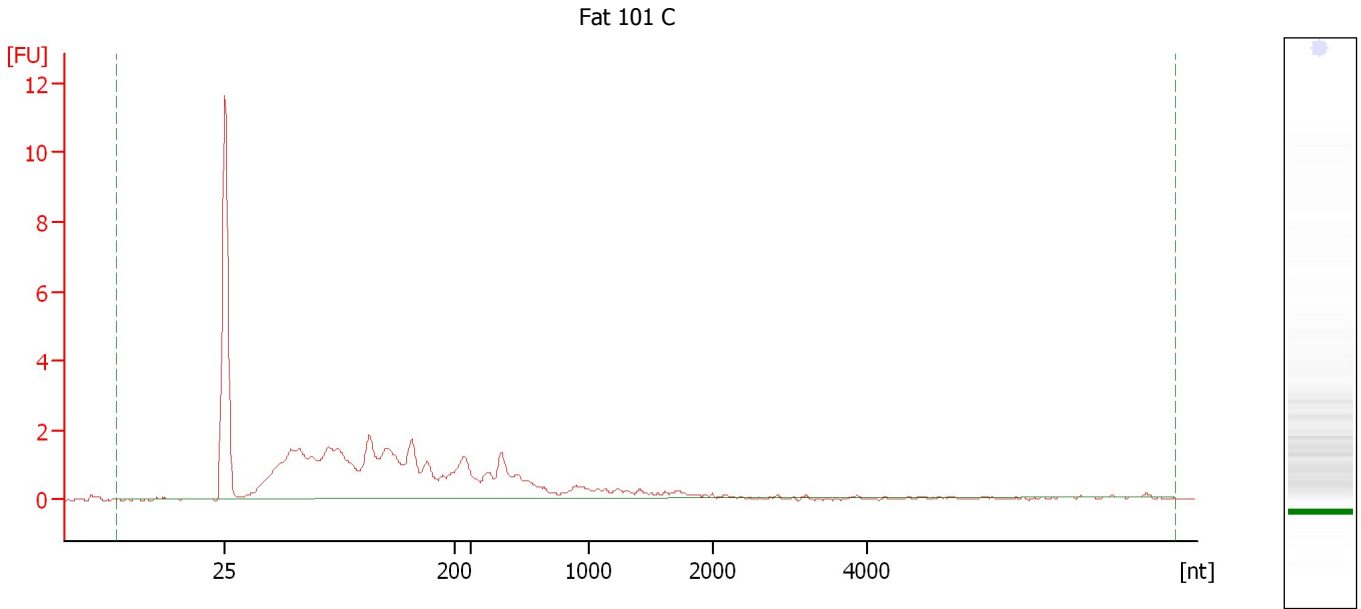
Overall Results for sample 1 : Fat 100 C

RNA Area:	43.5	RNA Integrity Number (RIN):	1.9 (B.02.08)
RNA Concentration:	37 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Fat 101 C

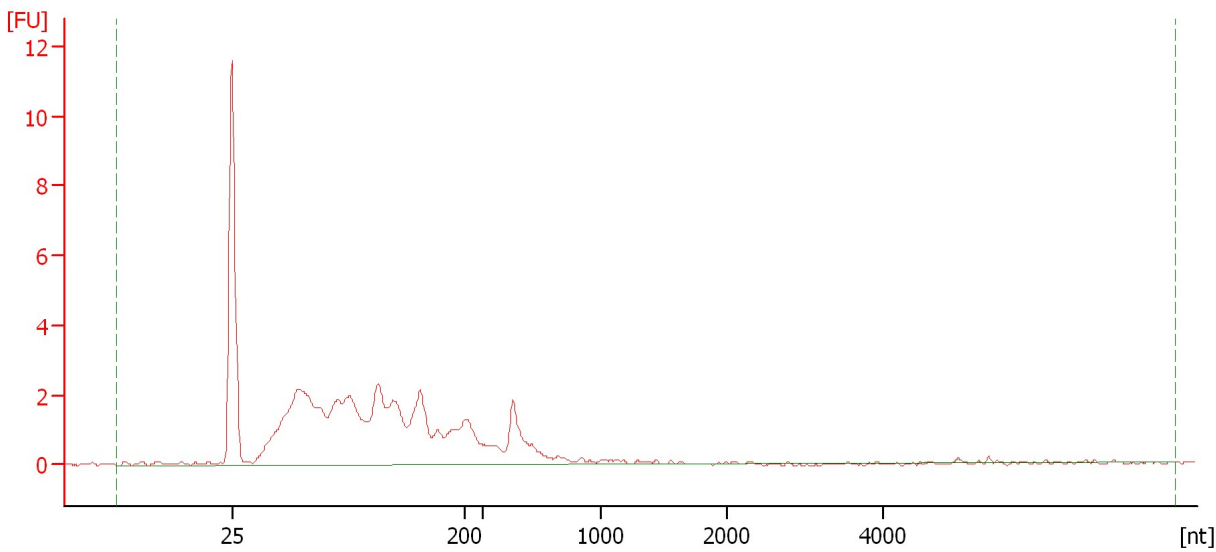
RNA Area:	46.2	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	39 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...

Fat 103 B



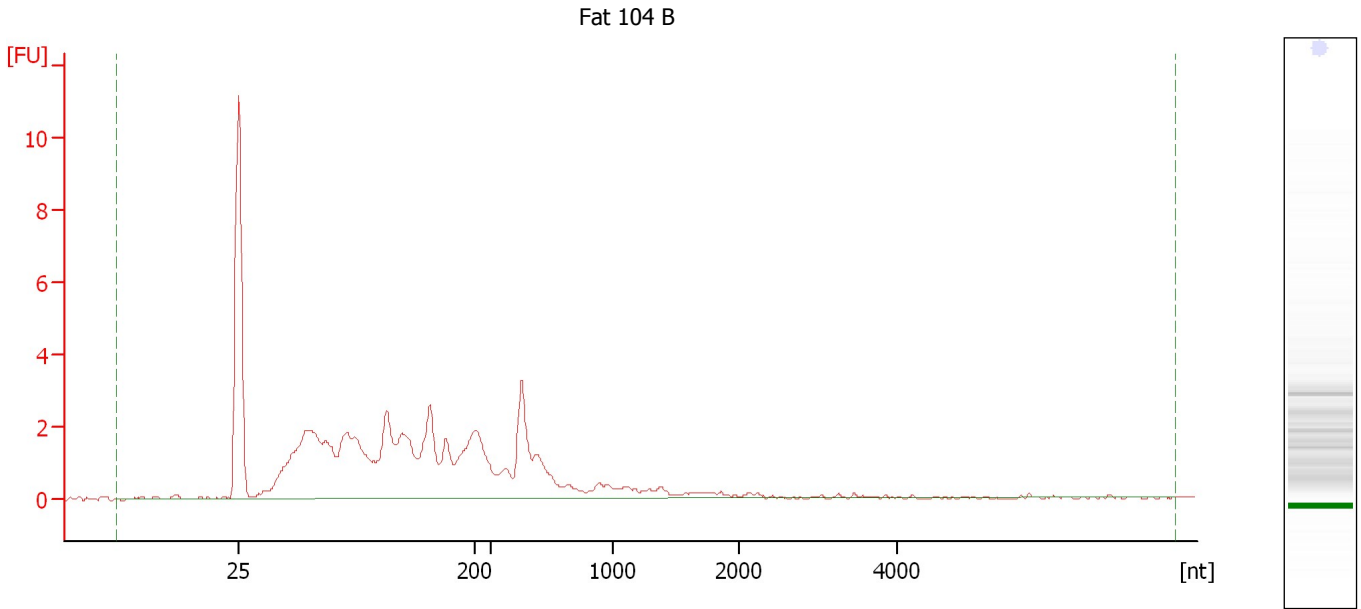
Overall Results for sample 3 : Fat 103 B

RNA Area:	55.4	RNA Integrity Number (RIN):	1.9 (B.02.08)
RNA Concentration:	47 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...



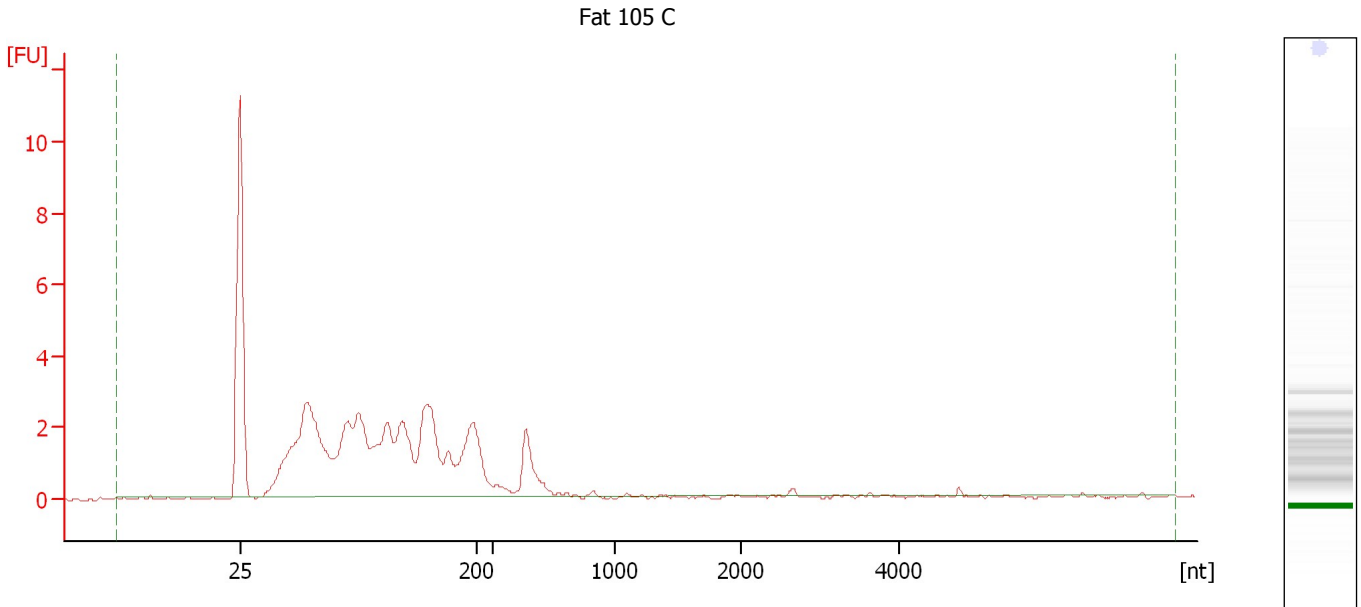
Overall Results for sample 4 : Fat 104 B

RNA Area:	60.4	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	51 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...



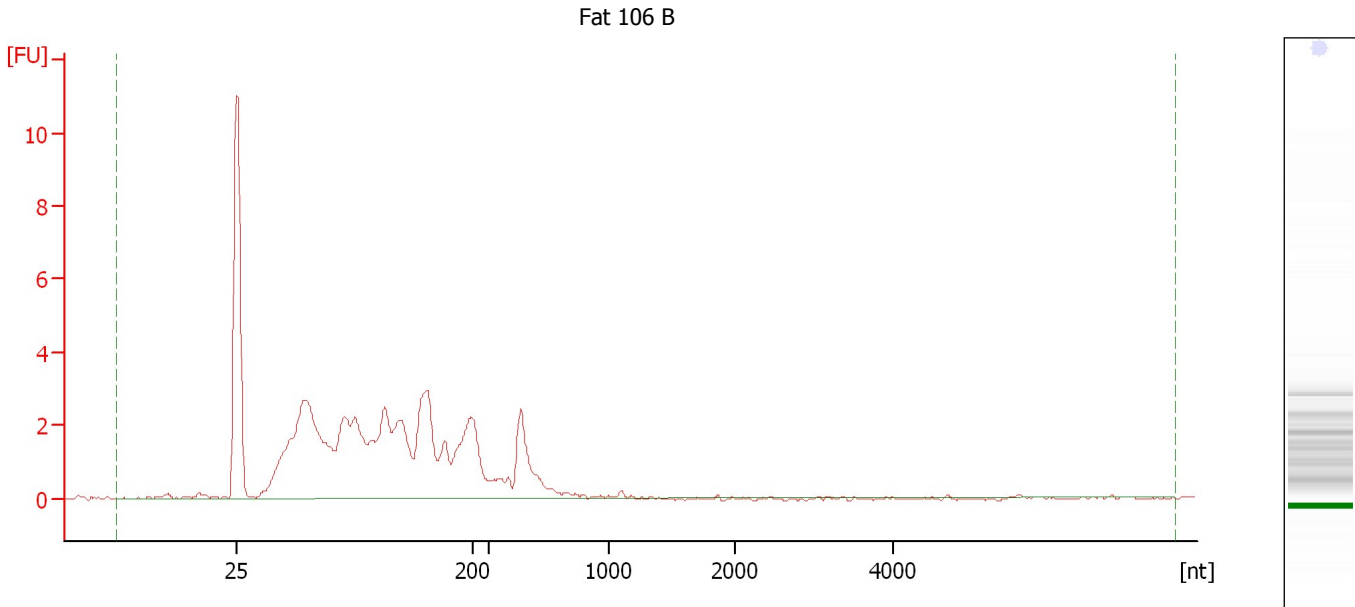
Overall Results for sample 5 : Fat 105 C

RNA Area:	55.9	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	47 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...



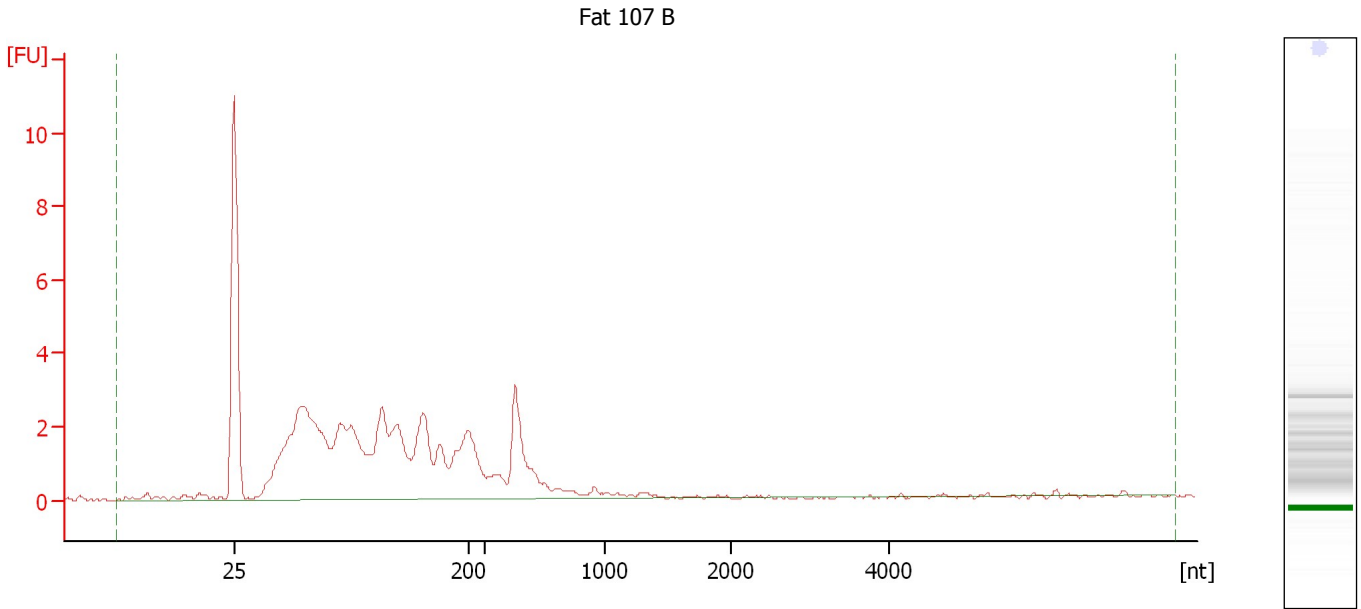
Overall Results for sample 6 : Fat 106 B

RNA Area:	64.0	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	54 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...



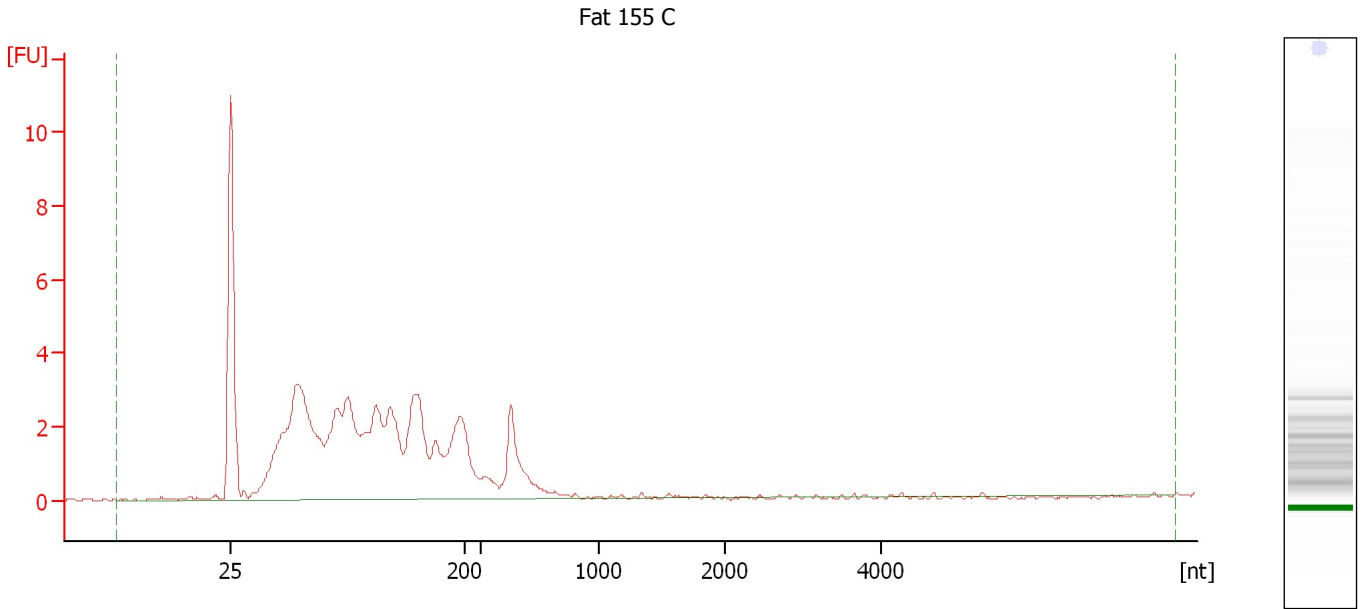
Overall Results for sample 7 : Fat 107 B

RNA Area:	63.8	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	54 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Fat 155 C

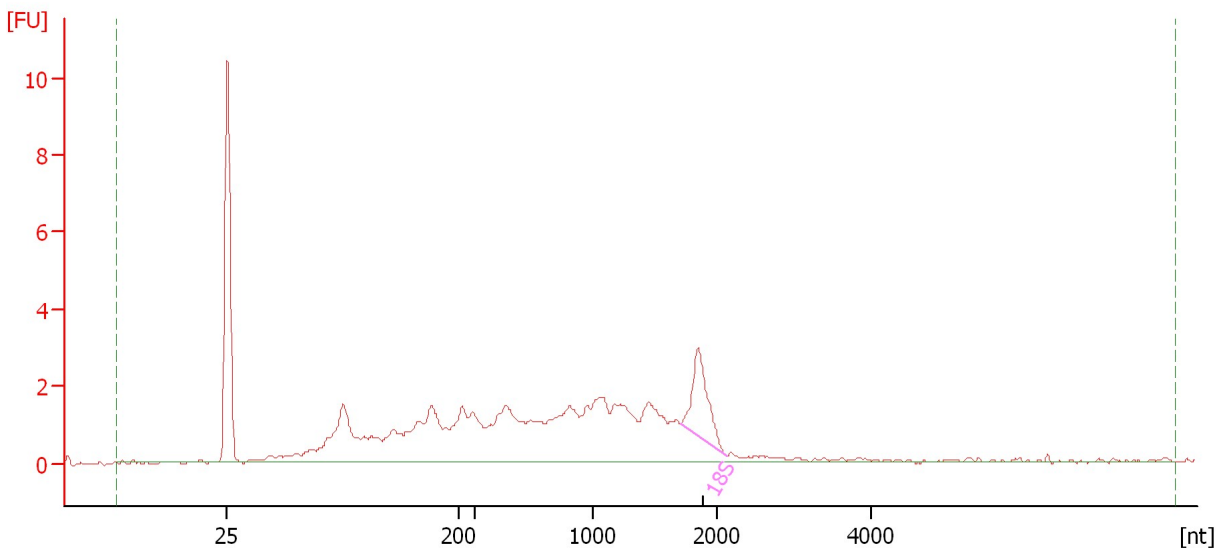
RNA Area:	69.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	59 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...

WT Male Mouse Fat



Overall Results for sample 9 : WT Male Mouse Fat

RNA Area: 58.9 RNA Integrity Number (RIN): 6 (B.02.08)
RNA Concentration: 50 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN:6

Fragment table for sample 9 : WT Male Mouse Fat

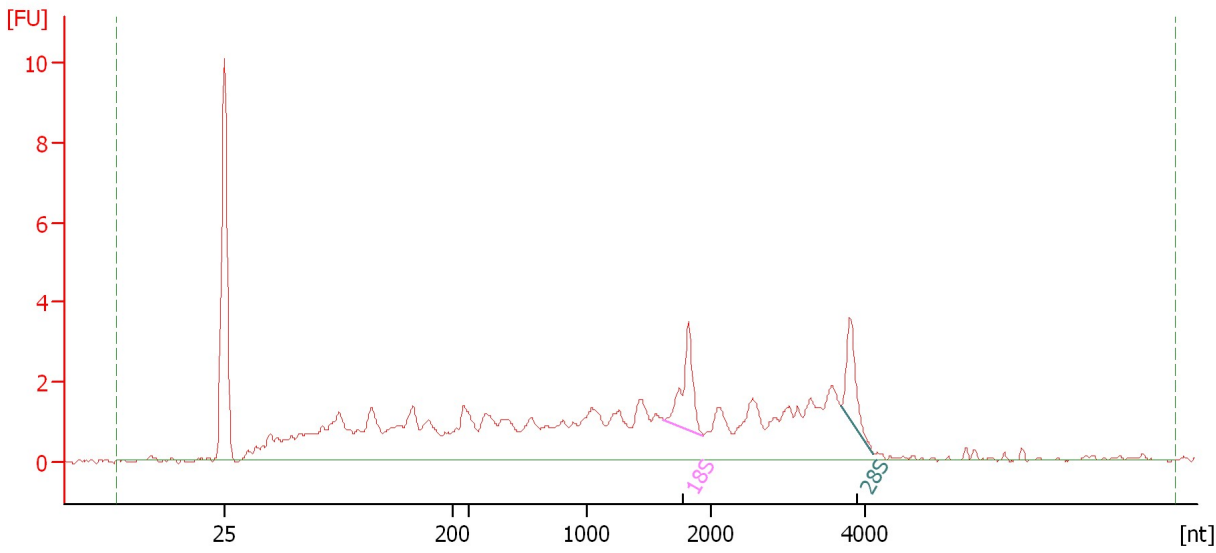
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	2,123	4.1	7.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...

WT Male Mouse Spleen 1



Overall Results for sample 10 : WT Male Mouse Spleen 1

RNA Area: 74.3 RNA Integrity Number (RIN): 5.4 (B.02.08)
RNA Concentration: 63 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 5.40

Fragment table for sample 10 : WT Male Mouse Spleen 1

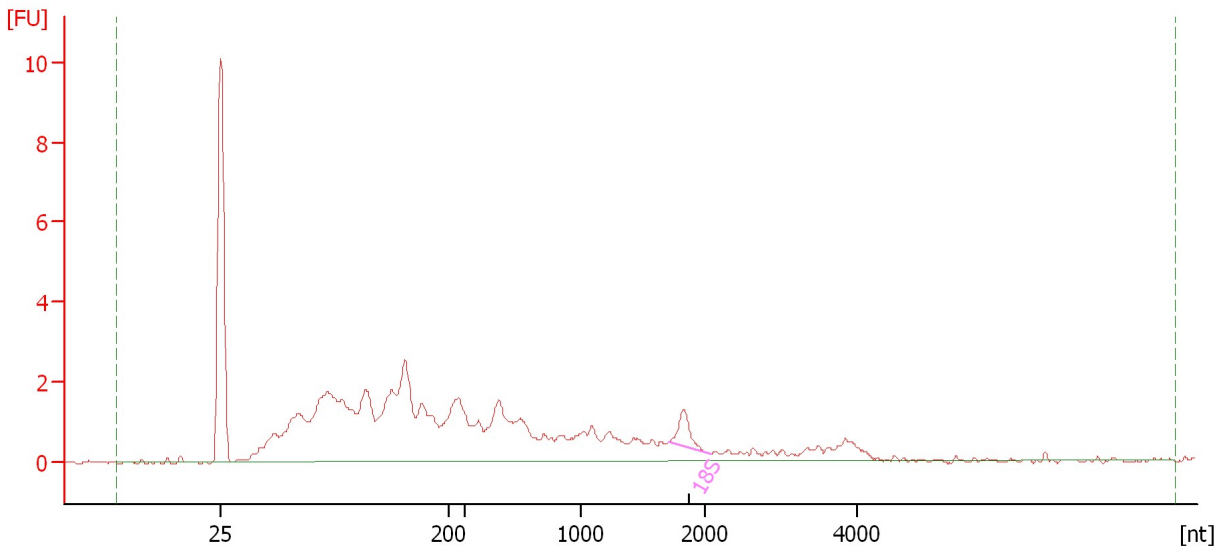
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,617	1,946	3.2	4.3
28S	3,702	4,118	2.3	3.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...

WT Male Mouse Spleen 2



Overall Results for sample 11 : WT Male Mouse Spleen 2

RNA Area:	65.6	RNA Integrity Number (RIN):	3 (B.02.08)
RNA Concentration:	55 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

Fragment table for sample 11 : WT Male Mouse Spleen 2

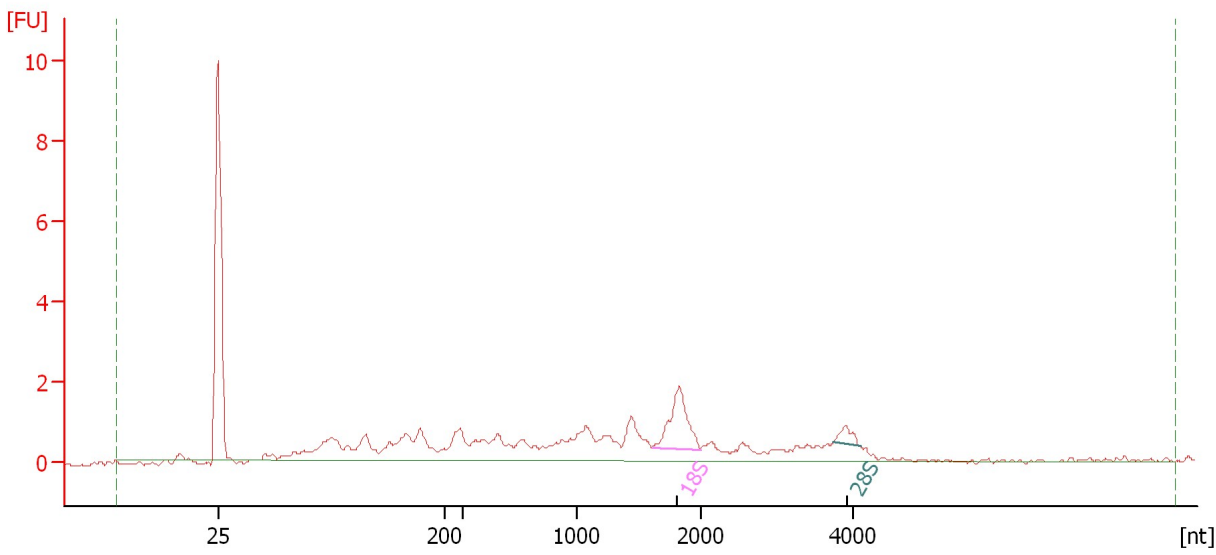
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,717	2,077	1.3	1.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Electropherogram Summary Continued ...

WT Male Mouse Thymus 2



Overall Results for sample 12 : WT Male Mouse Thymus 2

RNA Area: 33.7 RNA Integrity Number (RIN): 6.6 (B.02.08)
RNA Concentration: 28 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN: 6.60

Fragment table for sample 12 : WT Male Mouse Thymus 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,610	2,005	3.1	9.1
28S	3,757	4,107	0.6	1.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25_002.xad

Created: 6/25/2014 2:09:11 PM
Modified: 6/25/2014 2:33:00 PM

Gel Image

