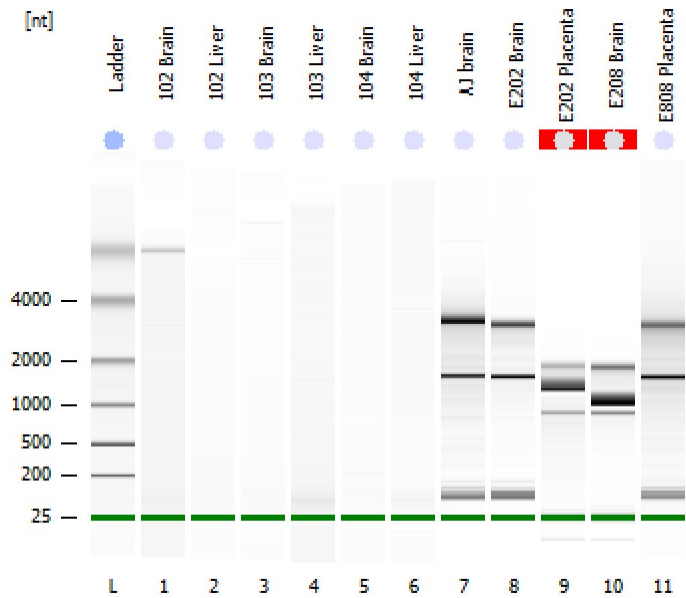


Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

**Electrophoresis File Run Summary**



Instrument Information:

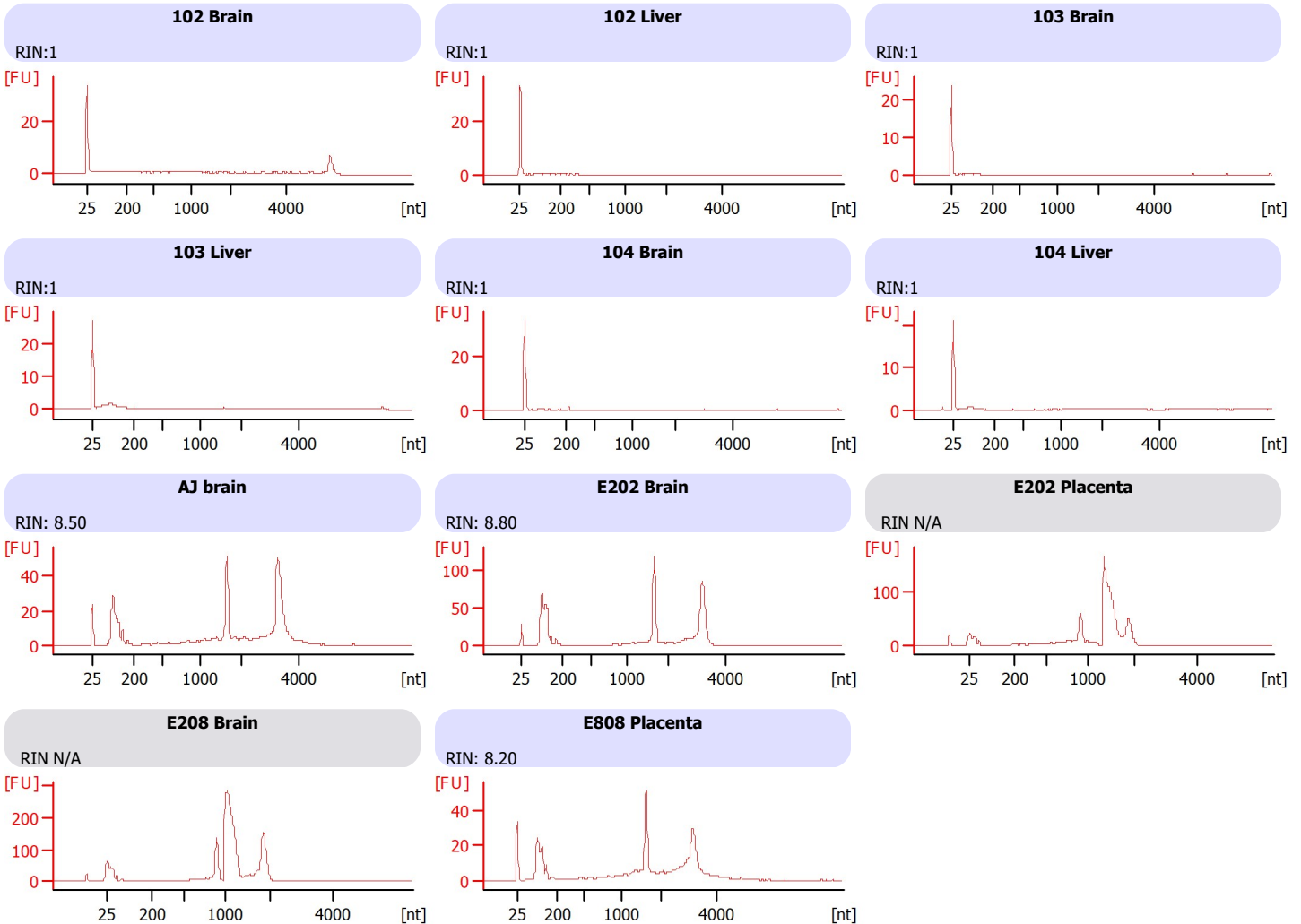
Instrument Name: DE34903152      Firmware: C.01.069  
 Serial#: DE34903152      Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)  
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

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



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
102 Brain		✓	RIN:1	
102 Liver		✓	RIN:1	
103 Brain		✓	RIN:1	
103 Liver		✓	RIN:1	
104 Brain		✓	RIN:1	
104 Liver		✓	RIN:1	
AJ brain		✓	RIN: 8.50	
E202 Brain		✓	RIN: 8.80	
E202 Placenta		✓	RIN N/A	
E208 Brain		✓	RIN N/A	
E808 Placenta		✓	RIN: 8.20	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 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/μl] : 1000  
 Lower Marker Concentration [pg/μl] : 0  
 Upper Marker Concentration [pg/μl] : 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

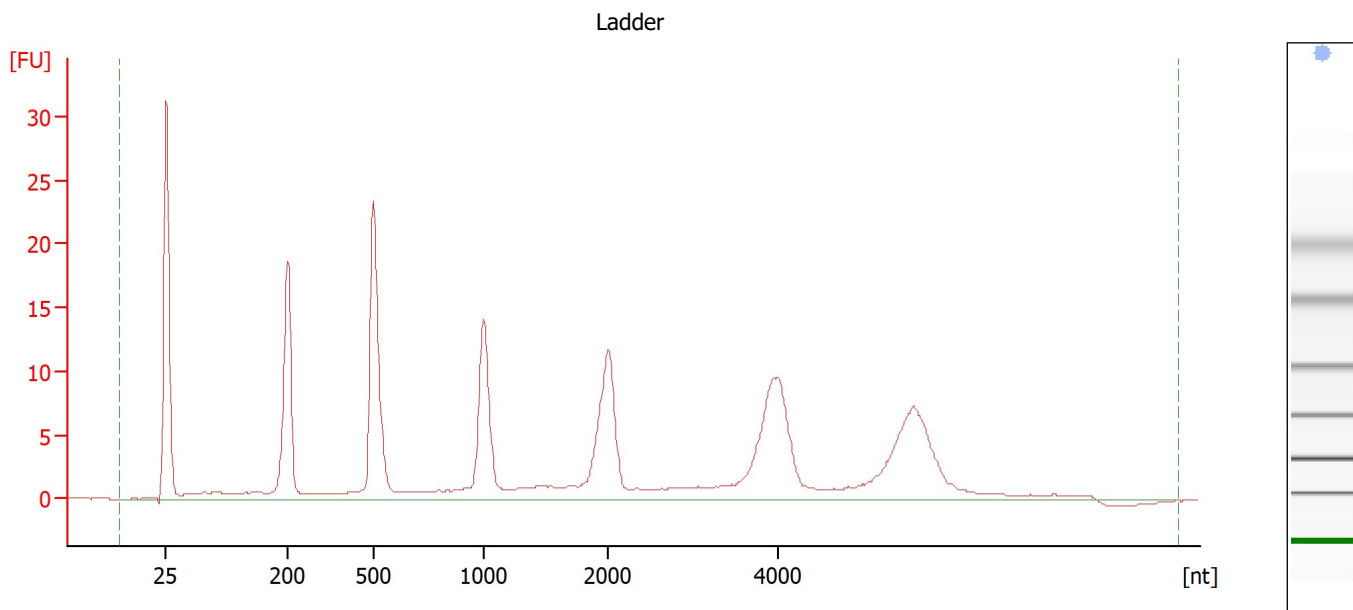
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary**



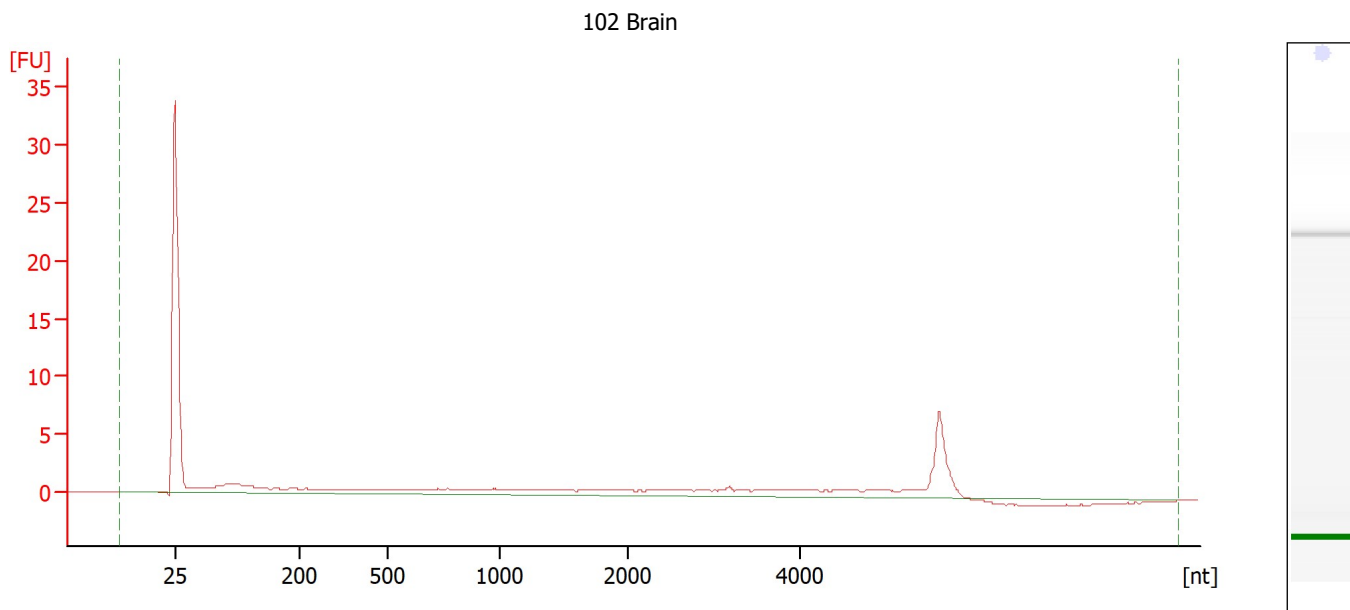
**Overall Results for Ladder**

RNA Area:	223.7	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: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



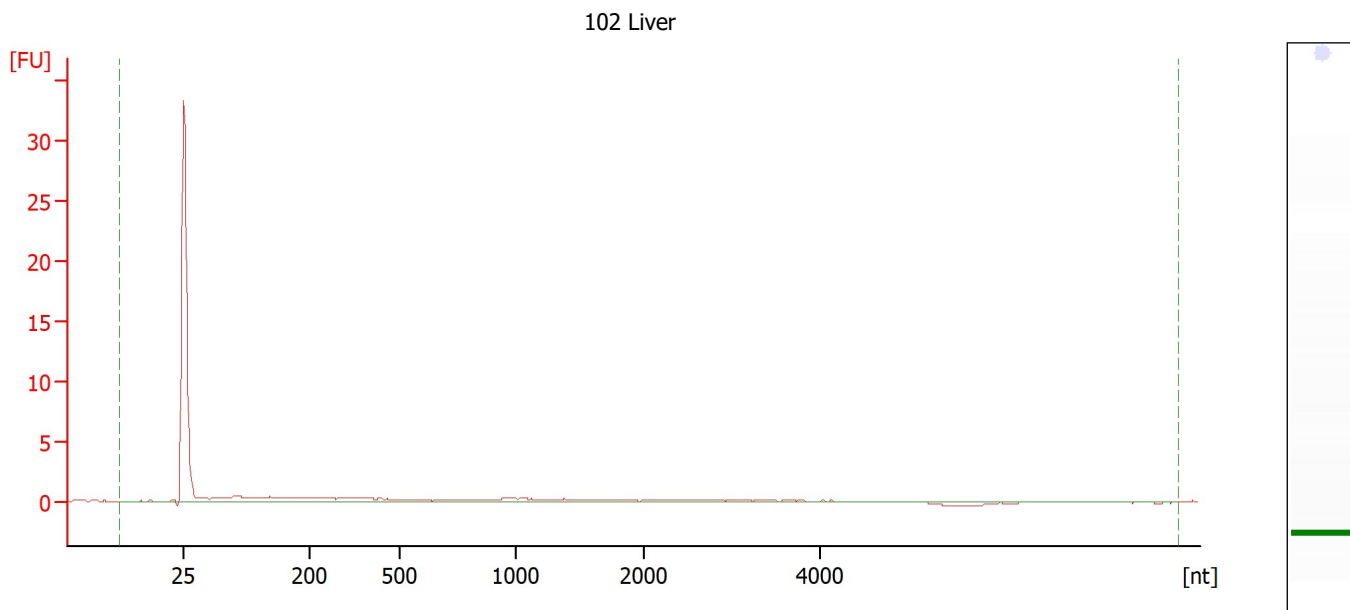
**Overall Results for sample 1 : 102 Brain**

RNA Area:	50.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	227 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: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



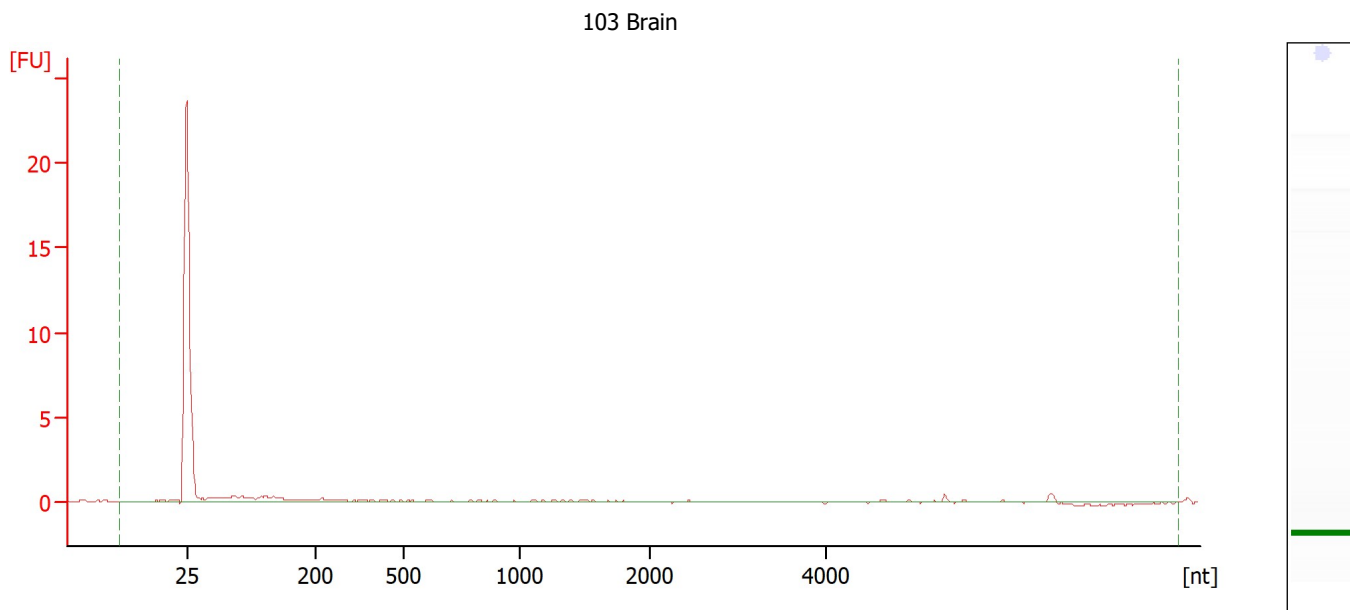
**Overall Results for sample 2 : 102 Liver**

RNA Area:	15.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	71 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: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



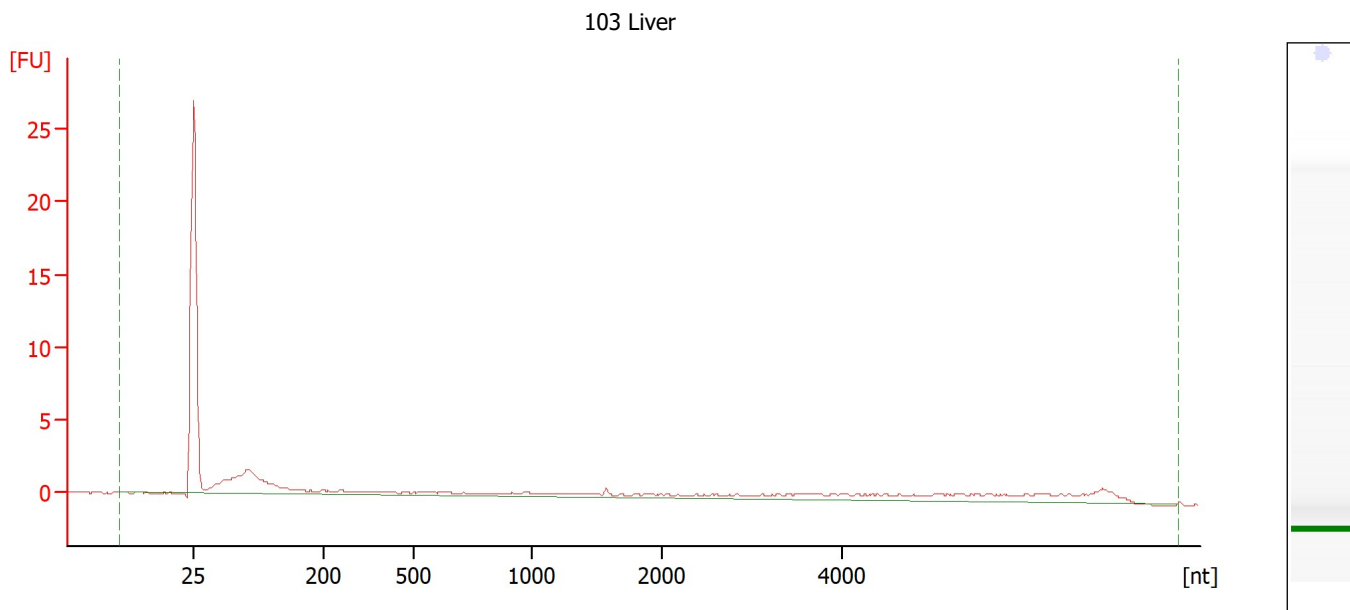
**Overall Results for sample 3 : 103 Brain**

RNA Area:	8.2	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	37 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: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 103 Liver**

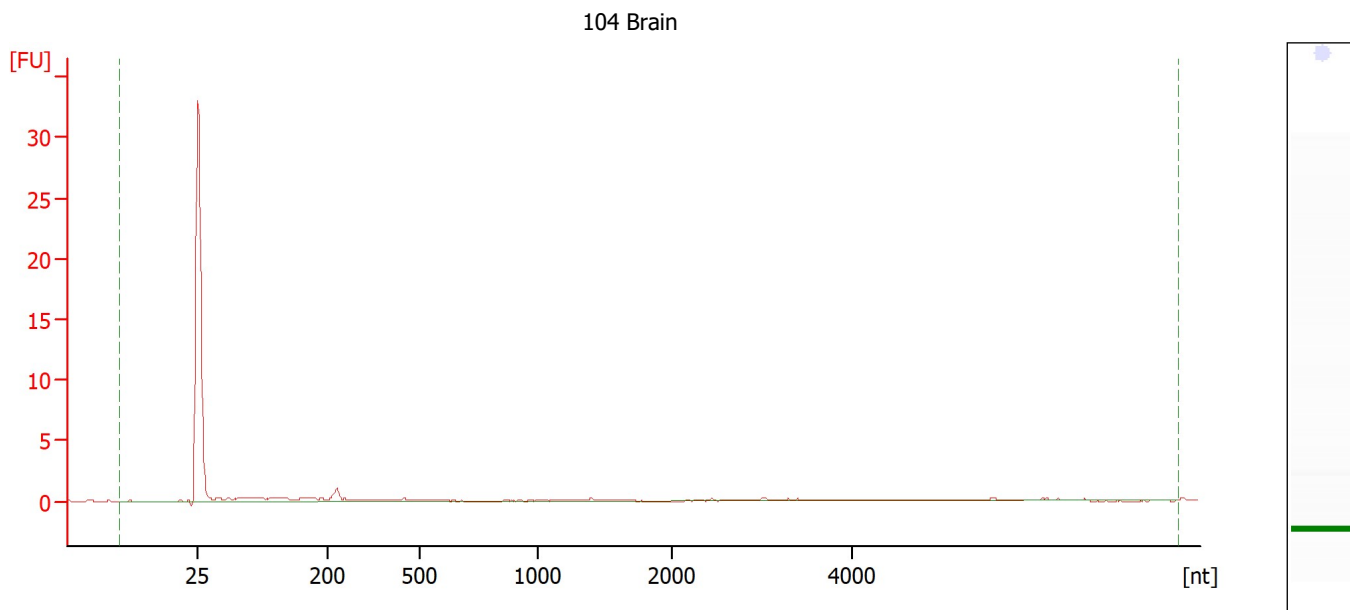
RNA Area:	44.0	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	197 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1



Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



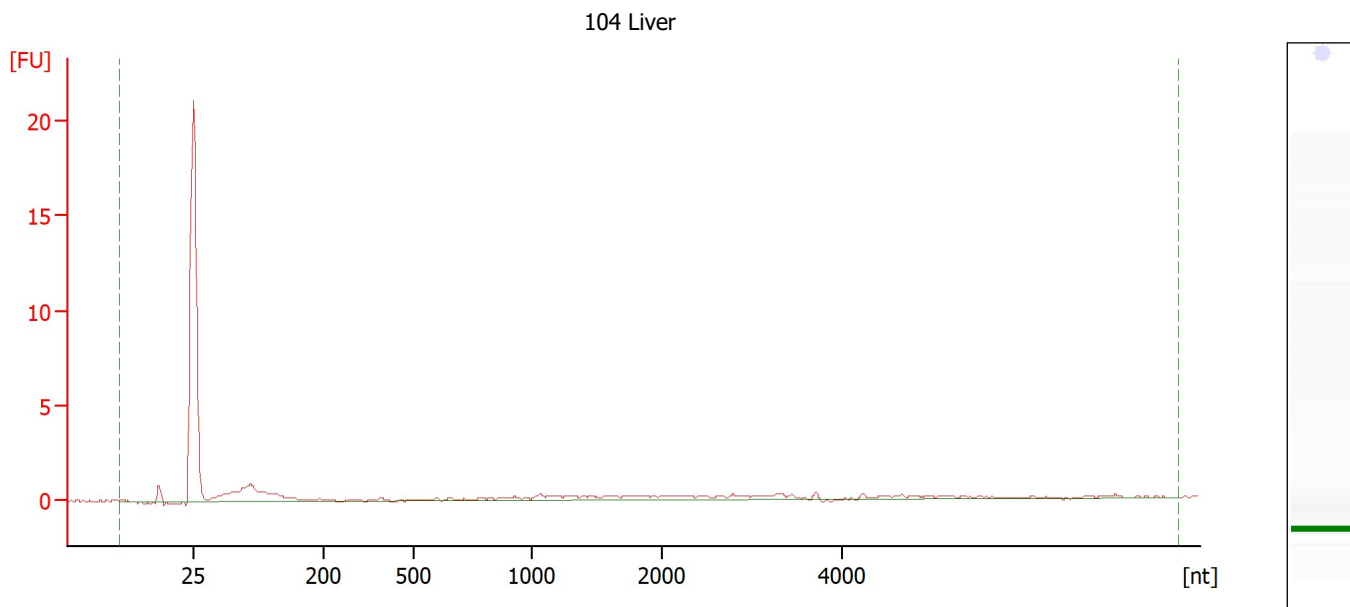
**Overall Results for sample 5 : 104 Brain**

RNA Area:	11.4	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	51 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: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



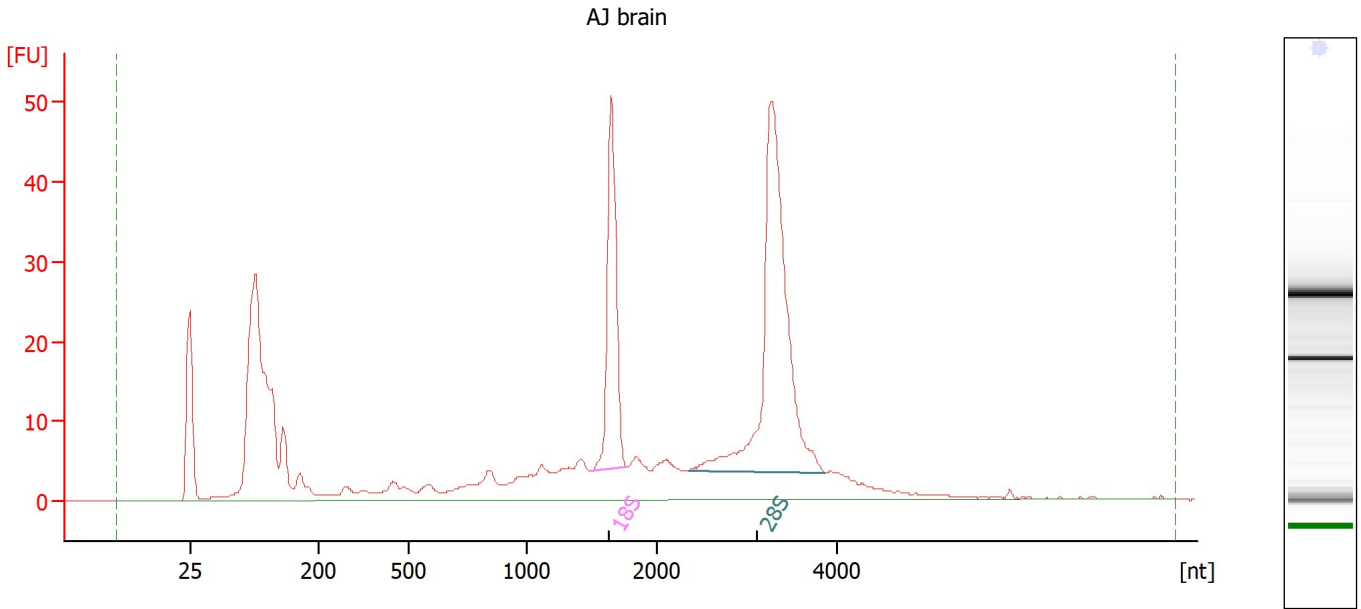
**Overall Results for sample 6 : 104 Liver**

RNA Area:	14.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	67 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: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : AJ brain**

RNA Area:	472.1	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	2,110 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]:	2.2	Result Flagging Label:	RIN: 8.50

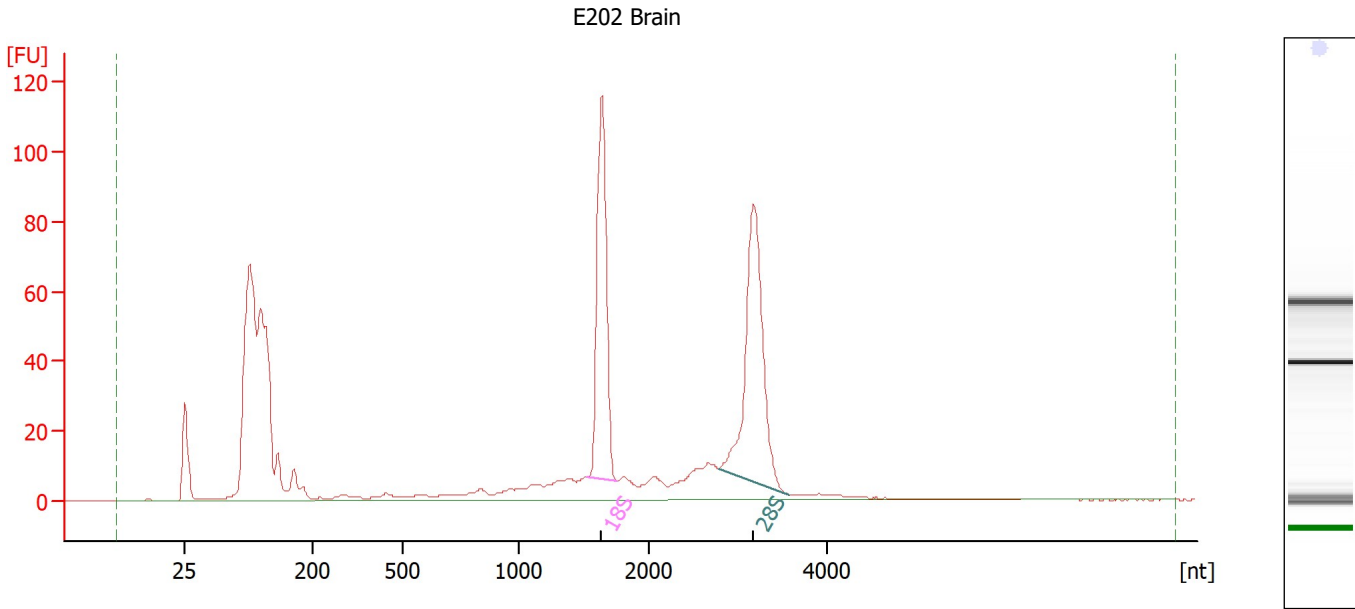
**Fragment table for sample 7 : AJ brain**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,495	1,764	51.6	10.9
28S	2,348	3,880	113.5	24.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : E202 Brain**

RNA Area:	810.6	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	3,623 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]:	1.1	Result Flagging Label:	RIN: 8.80

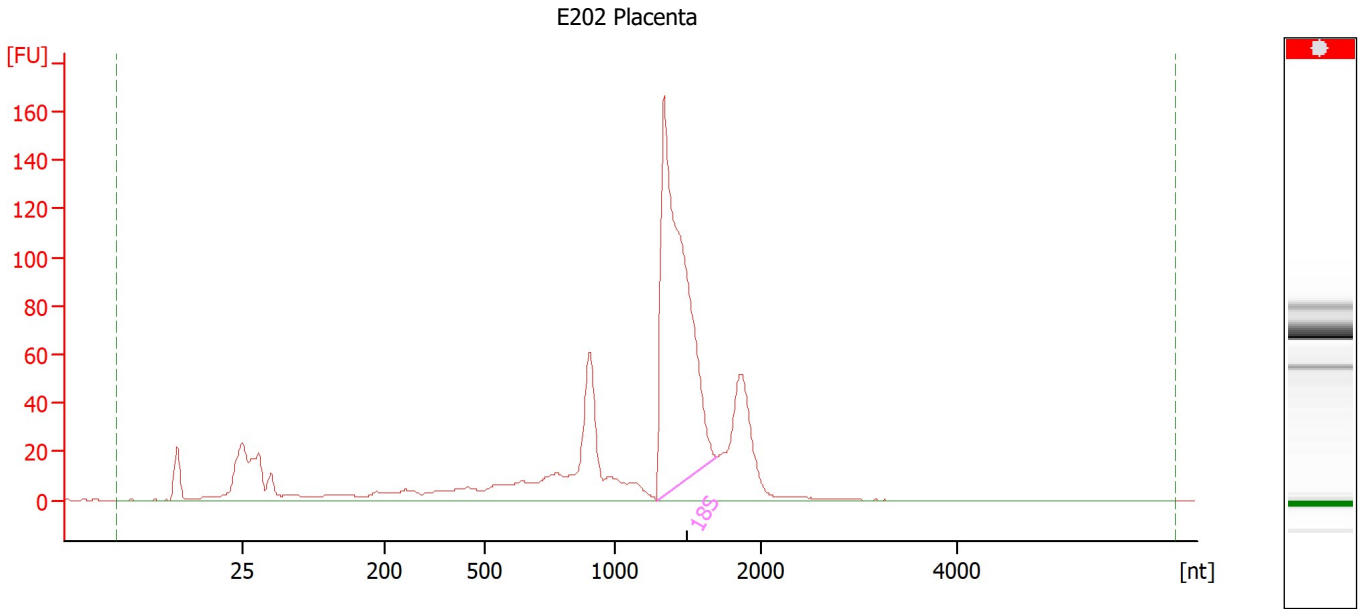
**Fragment table for sample 8 : E202 Brain**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,522	1,752	130.6	16.1
28S	2,783	3,580	149.3	18.4

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : E202 Placenta**

RNA Area:	1,013.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	4,532 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

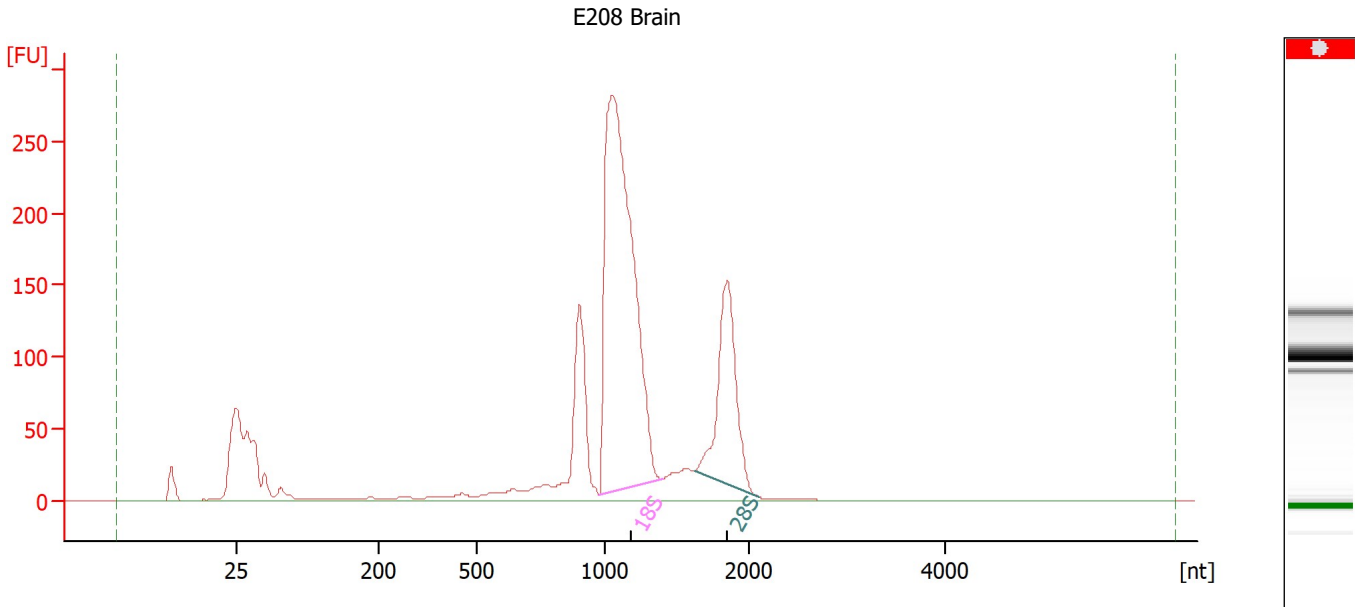
**Fragment table for sample 9 : E202 Placenta**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,287	1,707	438.0	43.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : E208 Brain**

RNA Area:	1,854.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	8,286 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]:	0.3	Result Flagging Label:	RIN N/A

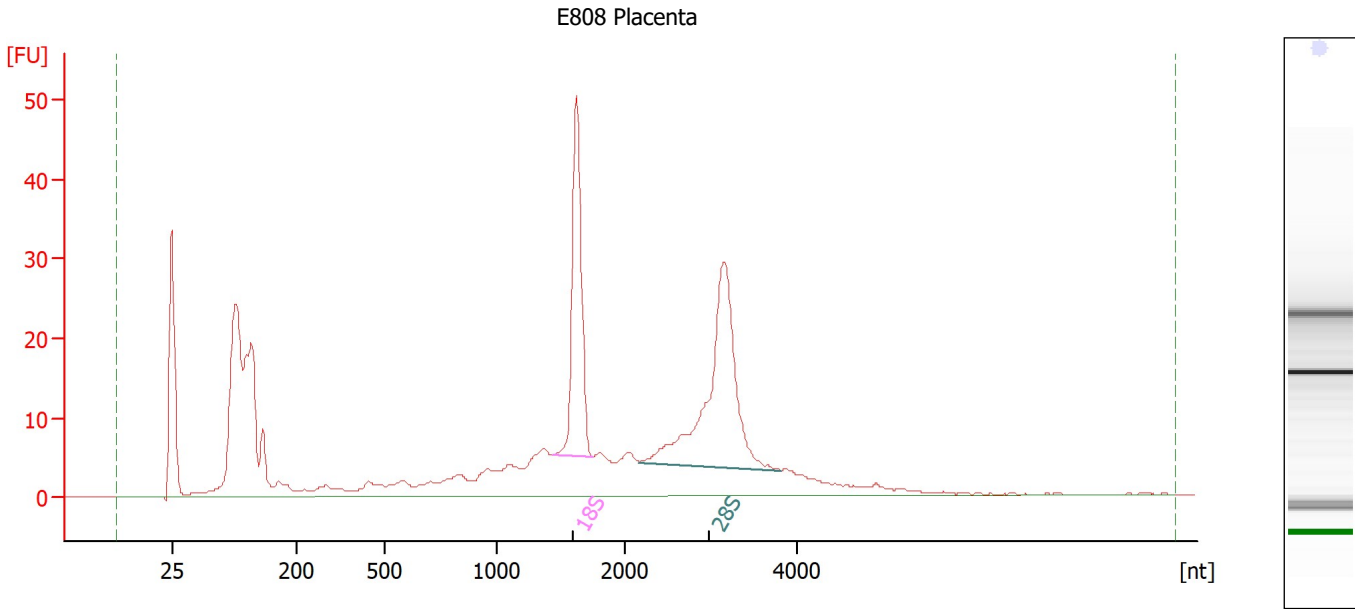
**Fragment table for sample 10 : E208 Brain**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	973	1,390	960.9	51.8
28S	1,613	2,087	286.6	15.5

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : E808 Placenta**

RNA Area:	450.6	RNA Integrity Number (RIN):	8.2 (B.02.10)
RNA Concentration:	2,014 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]:	1.4	Result Flagging Label:	RIN: 8.20

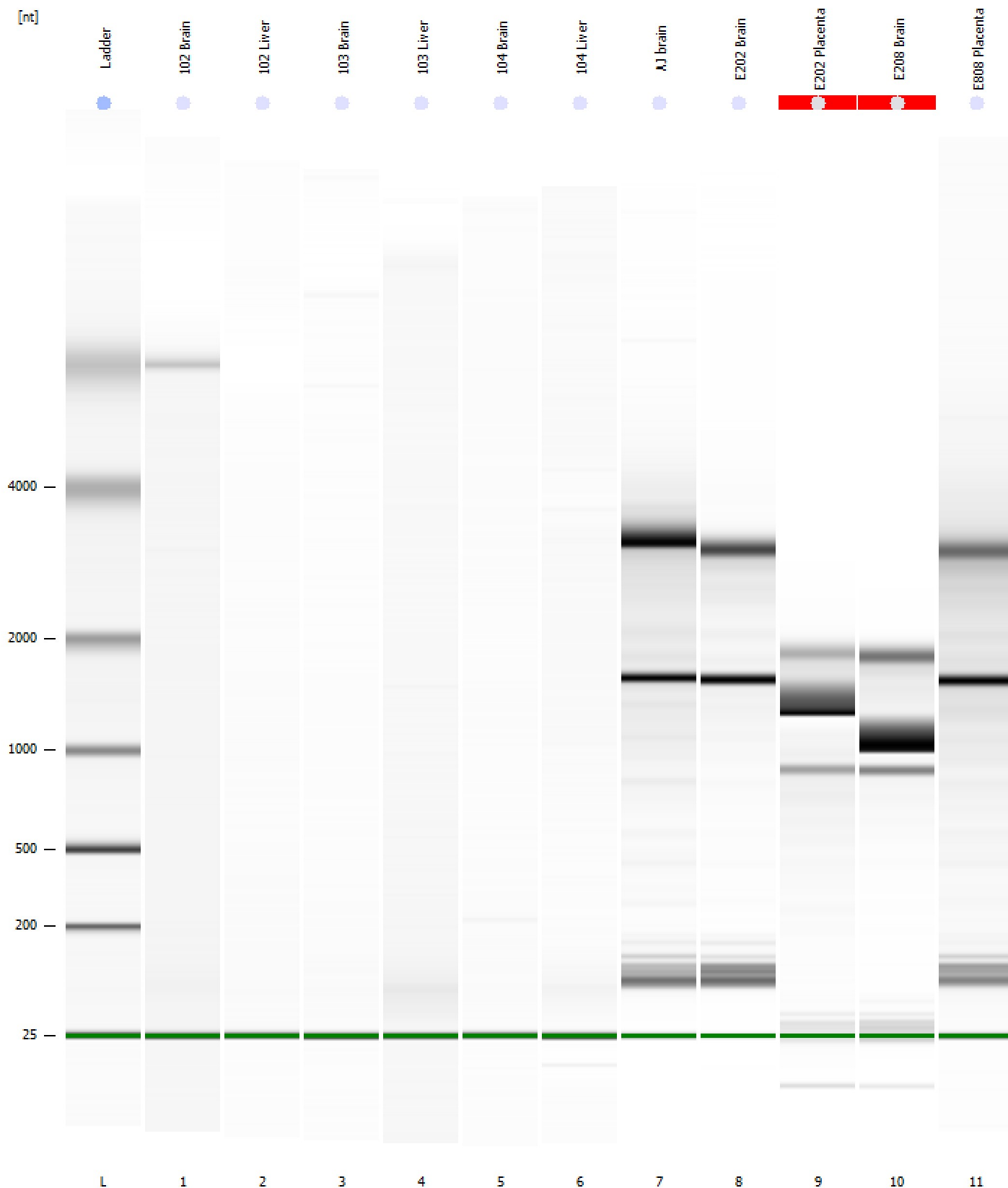
**Fragment table for sample 11 : E808 Placenta**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,429	1,749	55.9	12.4
28S	2,178	3,827	79.4	17.6

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

**Gel Image**





Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...11\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-03-11\_001.xad

Created: 3/11/2020 11:24:53 AM  
 Modified: 3/11/2020 11:47:56 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		3/11/2020 1:47:49 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-03-11\Bioanalyze r1_Eukaryote Total RNA Pico_2020-03-11_001.xad)		Instrument	Run		3/11/2020 1:24:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/11/2020 1:24:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/11/2020 1:24:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/11/2020 1:24:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/11/2020 1:24:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/11/2020 1:24:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/11/2020 1:24:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB