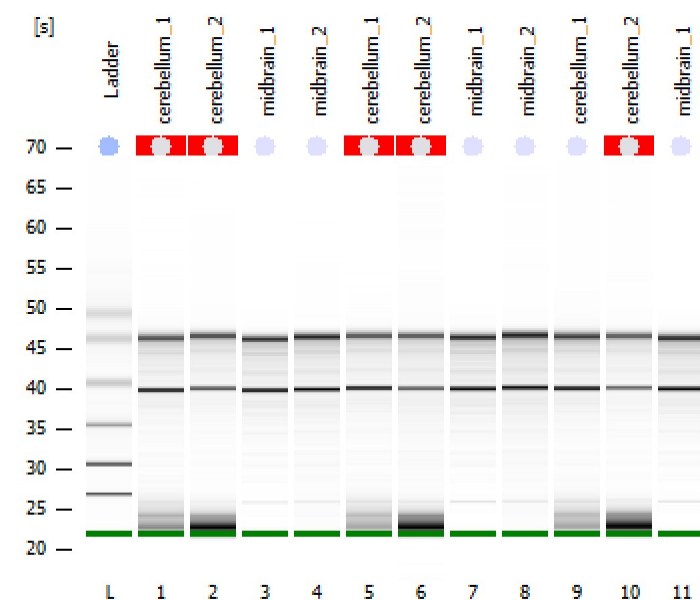


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: Bioanalyzer
Serial#: DE54107567
Firmware: C.01.069
Type: G2939A

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)

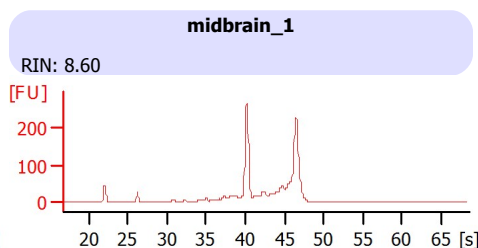
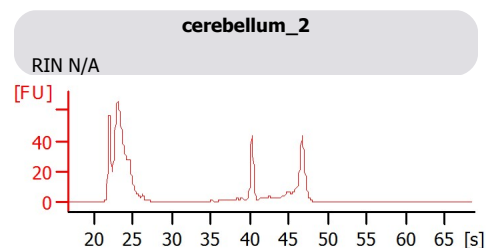
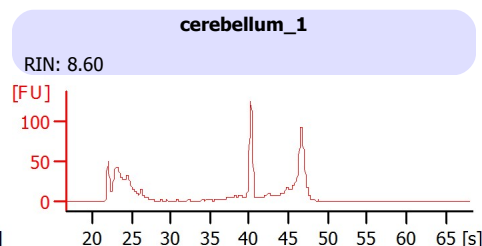
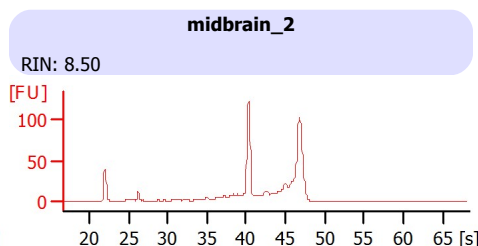
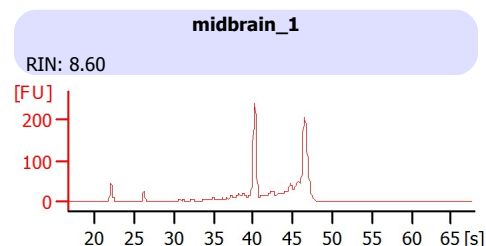
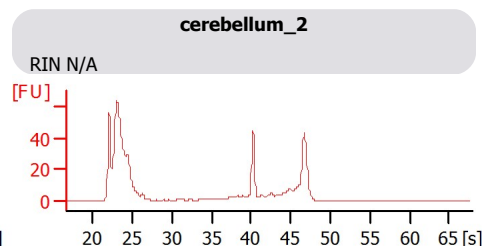
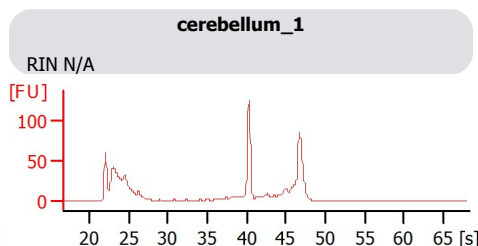
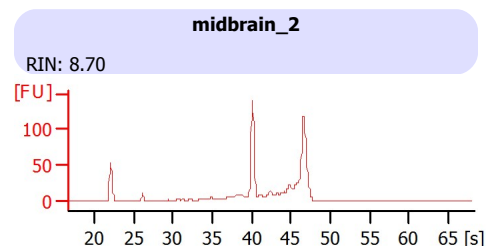
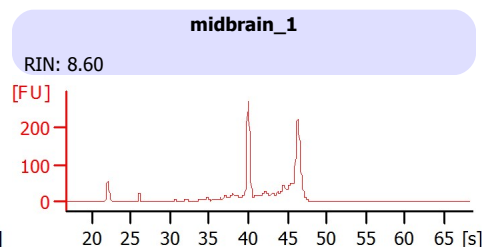
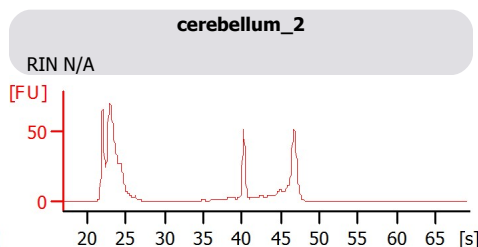
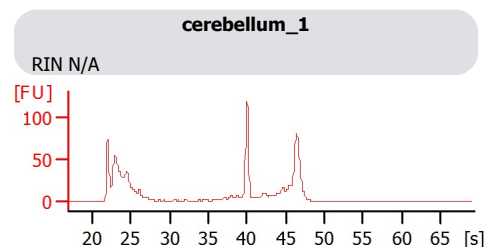
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
cerebellum_1		✓	RIN N/A	
cerebellum_2		✓	RIN N/A	
midbrain_1		✓	RIN: 8.60	
midbrain_2		✓	RIN: 8.70	
cerebellum_1		✓	RIN N/A	
cerebellum_2		✓	RIN N/A	
midbrain_1		✓	RIN: 8.60	
midbrain_2		✓	RIN: 8.50	
cerebellum_1		✓	RIN: 8.60	
cerebellum_2		✓	RIN N/A	
midbrain_1		✓	RIN: 8.60	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

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

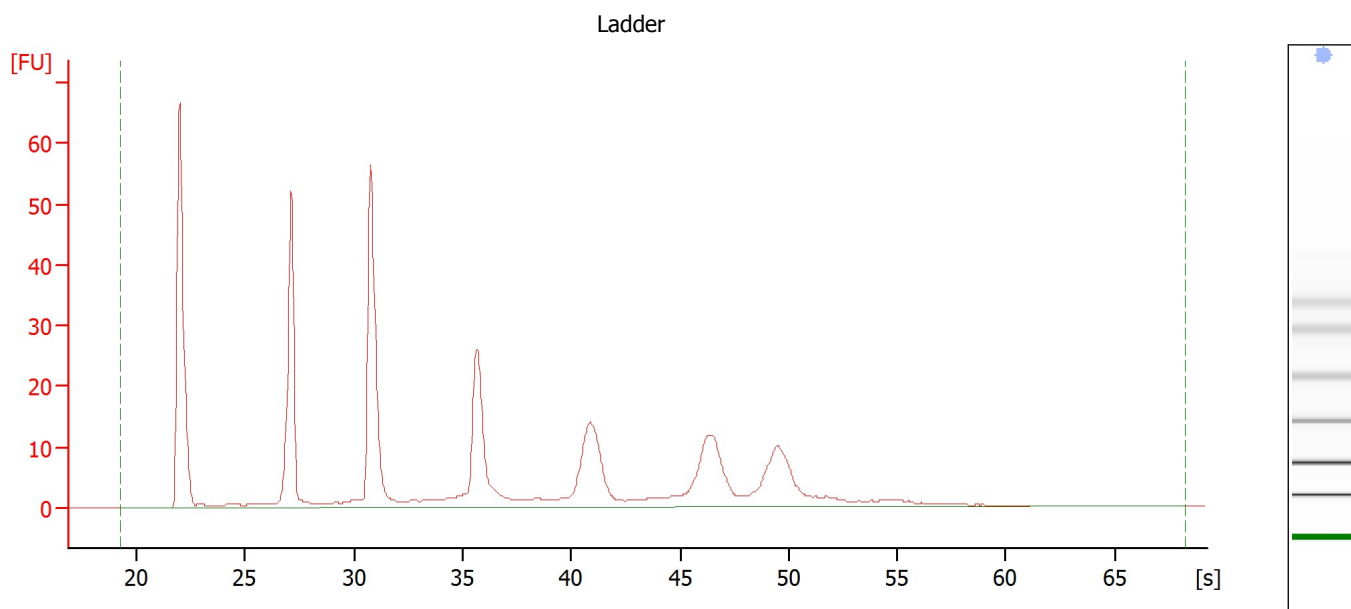
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 346.2

Result Flagging Color:



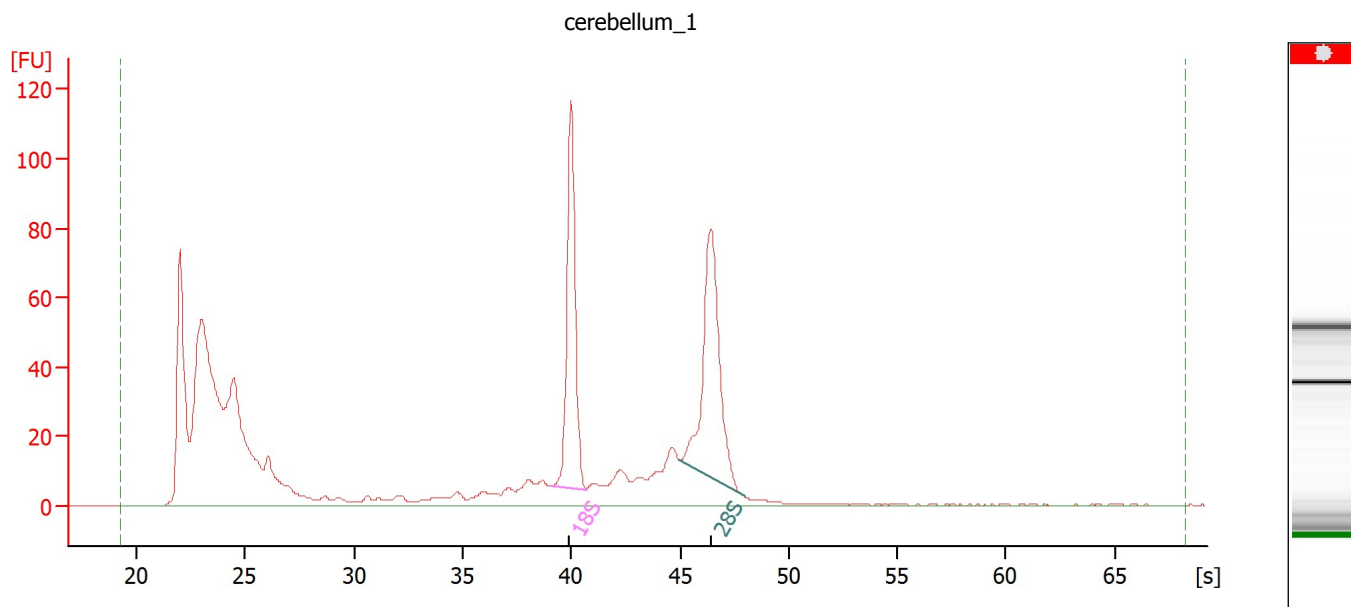
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : cerebellum_1**

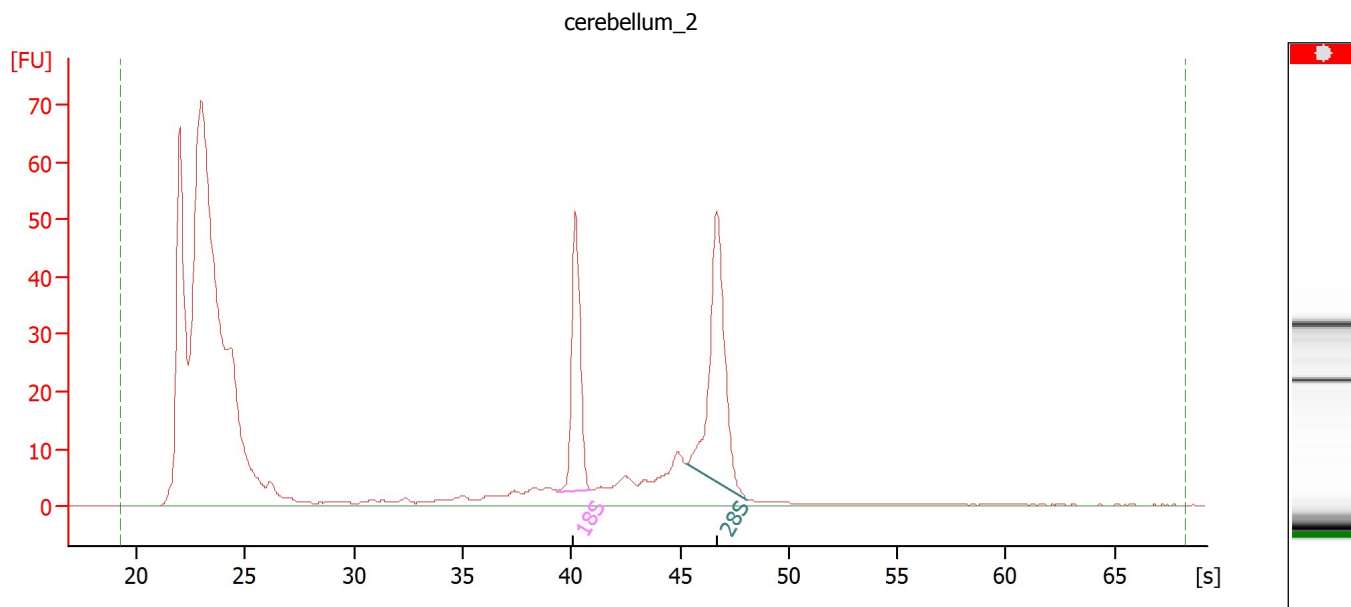
RNA Area:	998.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,884 pg/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN N/A

Fragment table for sample 1 : cerebellum_1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.06	40.69	124.3	12.4
28S	44.99	47.96	135.0	13.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : cerebellum_2**

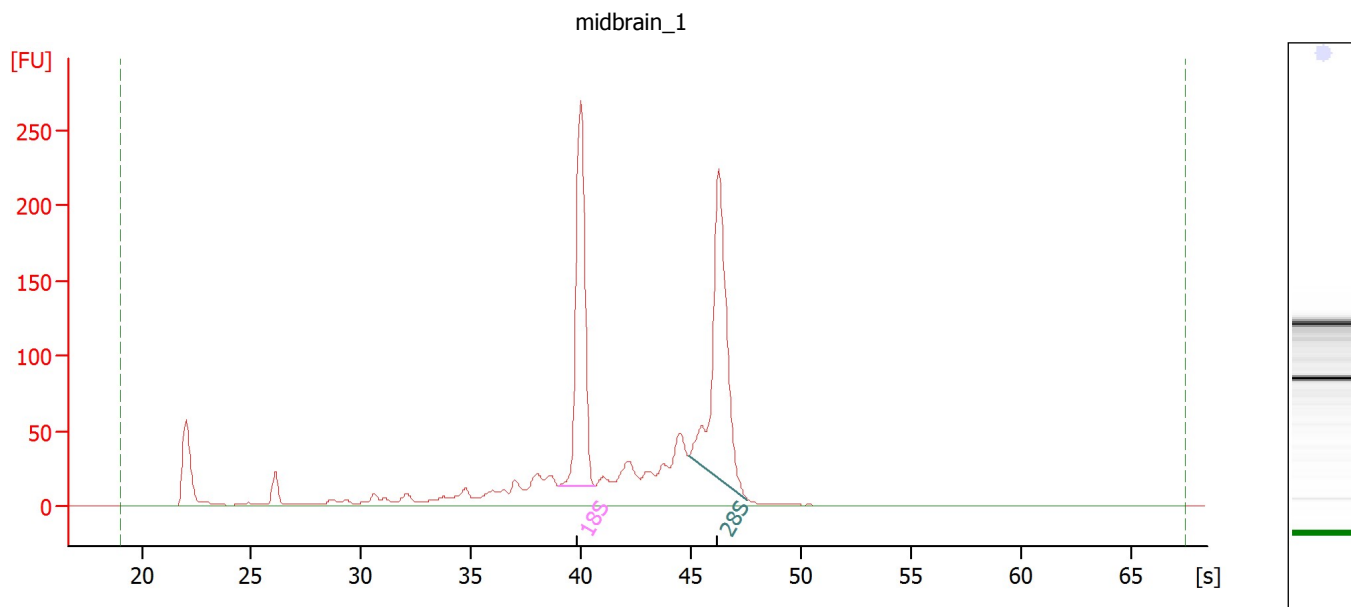
RNA Area:	712.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,058 pg/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN N/A

Fragment table for sample 2 : cerebellum_2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.35	40.93	54.0	7.6
28S	45.29	48.10	81.4	11.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : midbrain_1**

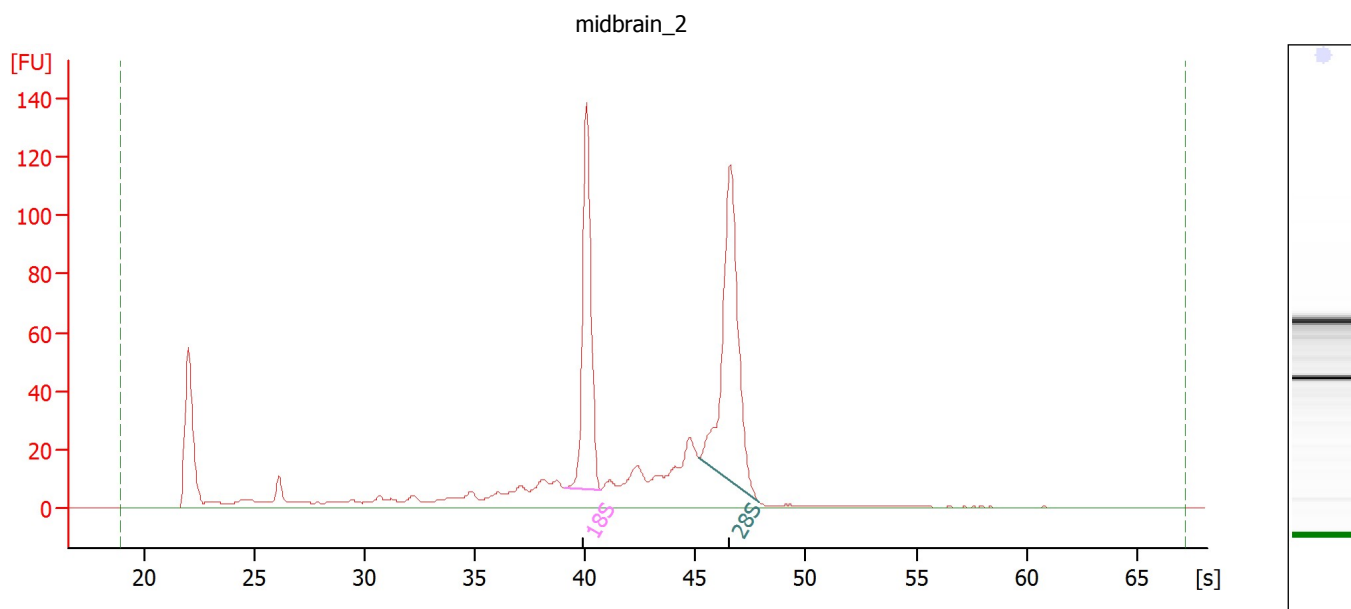
RNA Area:	1,314.4	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	3,797 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.60

Fragment table for sample 3 : midbrain_1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.96	40.63	293.4	22.3
28S	44.88	47.57	332.8	25.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : midbrain_2**

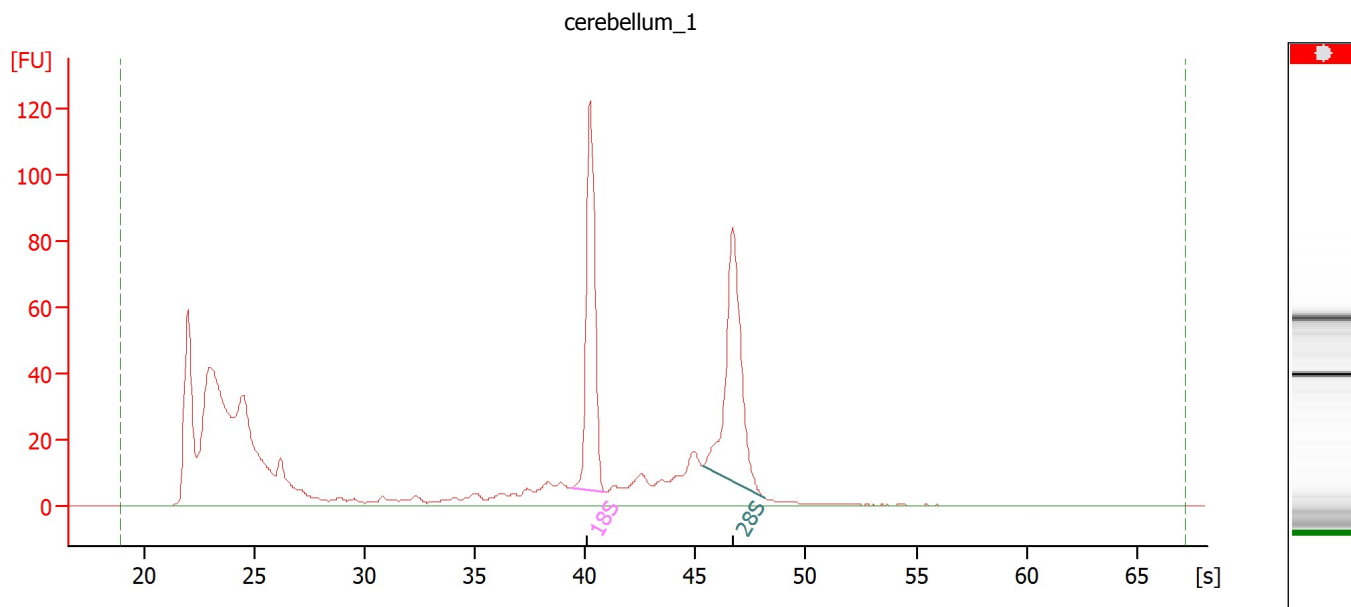
RNA Area:	721.6	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	2,084 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

Fragment table for sample 4 : midbrain_2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.08	40.74	146.5	20.3
28S	45.17	47.85	190.0	26.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : cerebellum_1**

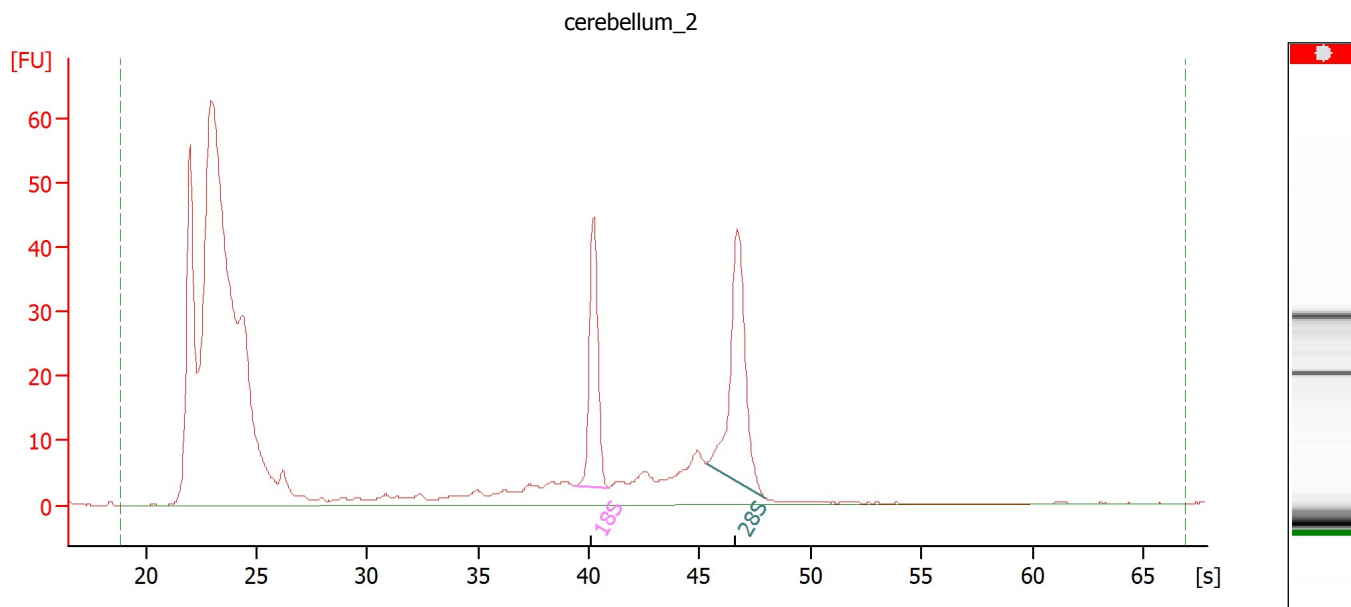
RNA Area:	927.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,679 pg/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : cerebellum_1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.33	40.93	128.3	13.8
28S	45.31	48.14	131.8	14.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : cerebellum_2**

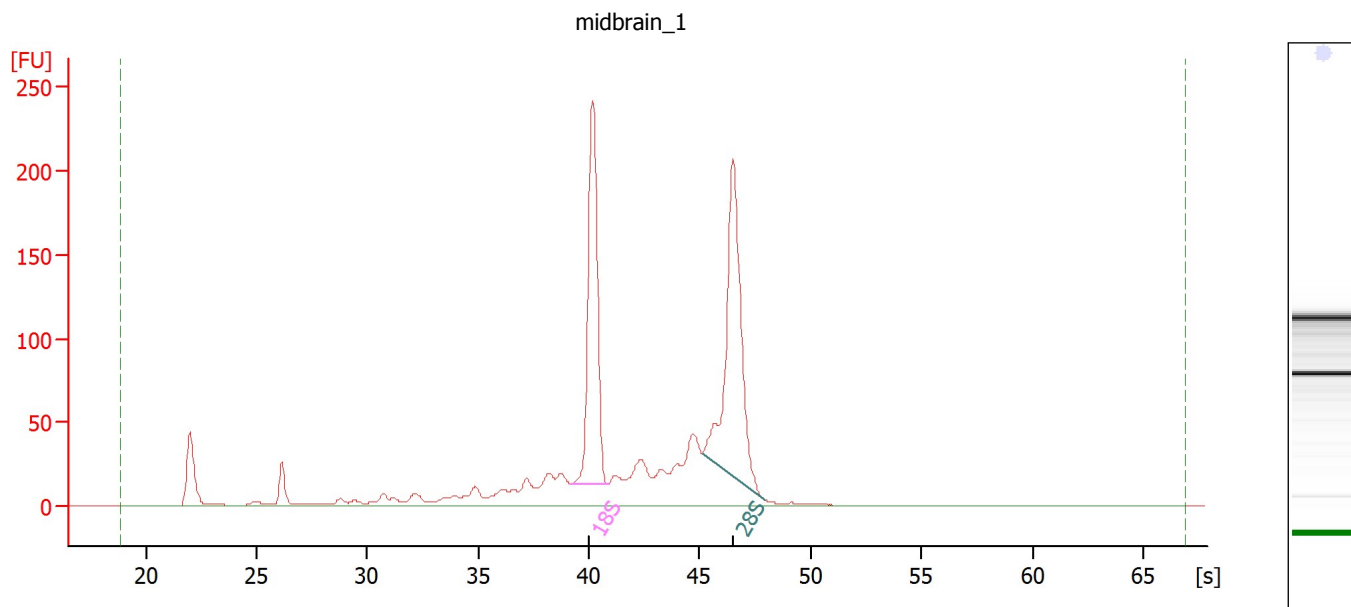
RNA Area:	694.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,006 pg/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN N/A

Fragment table for sample 6 : cerebellum_2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.40	40.85	44.8	6.4
28S	45.31	47.97	64.9	9.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : midbrain_1**

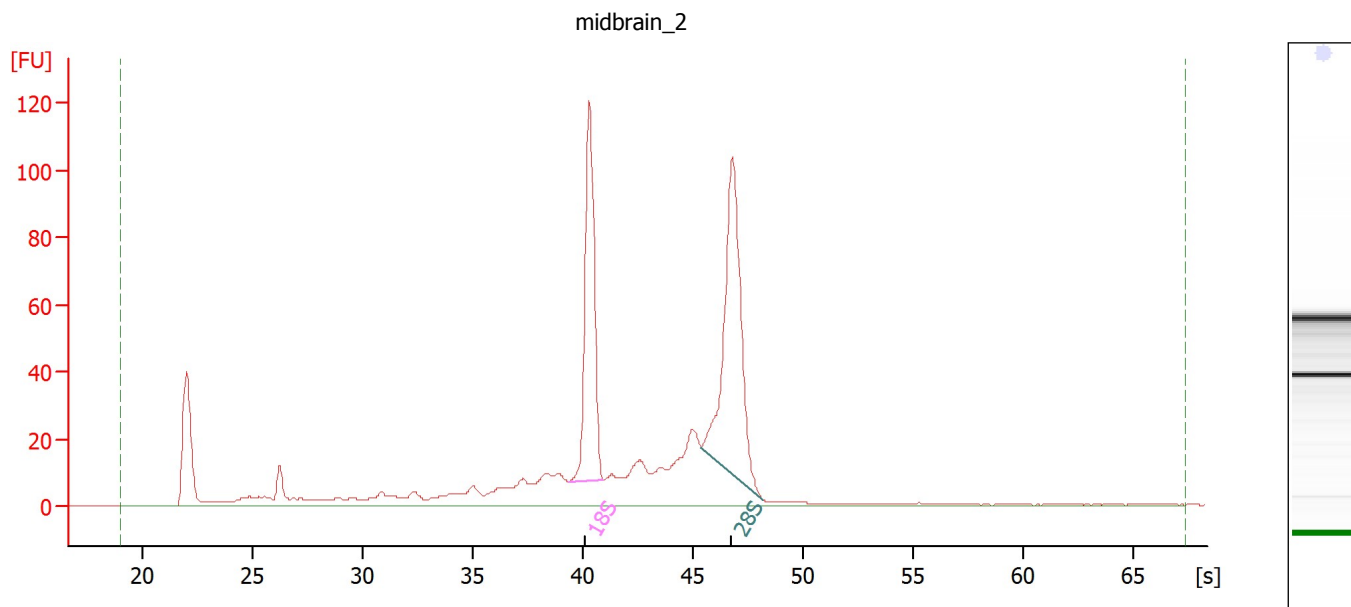
RNA Area:	1,249.8	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	3,610 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.60

Fragment table for sample 7 : midbrain_1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.15	40.85	268.6	21.5
28S	45.11	47.93	317.6	25.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : midbrain_2**

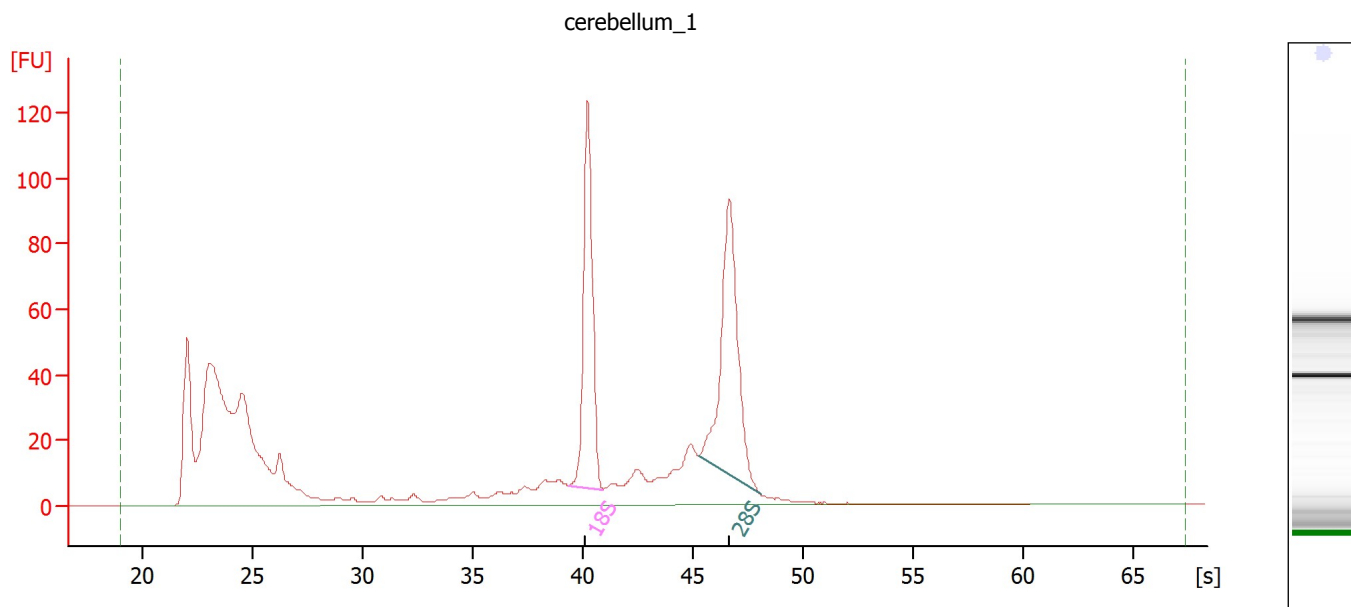
RNA Area:	718.1	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	2,074 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.50

Fragment table for sample 8 : midbrain_2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.32	40.93	134.3	18.7
28S	45.37	48.15	175.1	24.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : cerebellum_1**

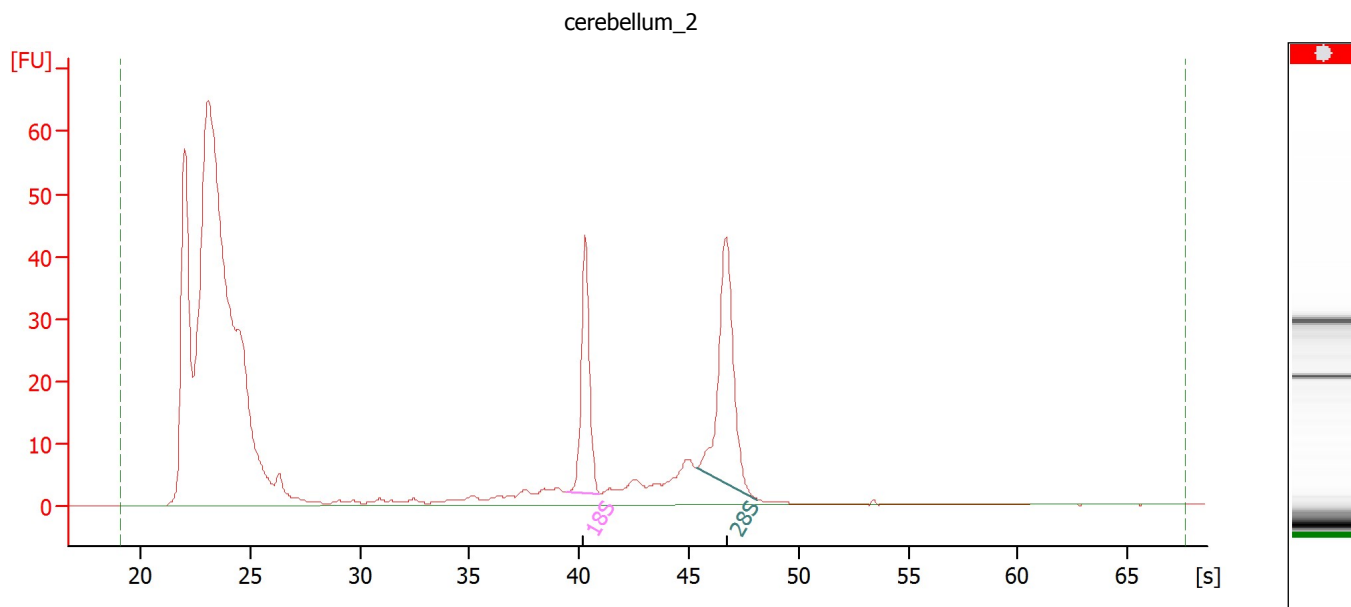
RNA Area:	1,017.0	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	2,938 pg/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.60

Fragment table for sample 9 : cerebellum_1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.32	40.93	137.2	13.5
28S	45.22	48.05	156.9	15.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : cerebellum_2**

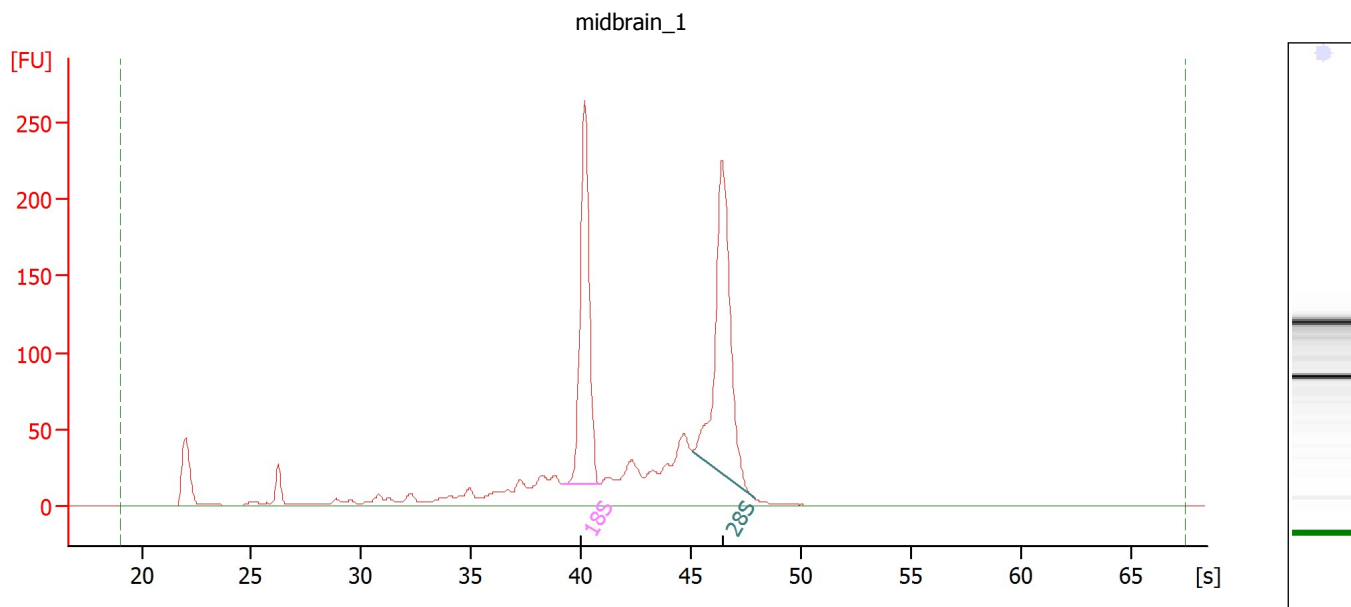
RNA Area:	677.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1,957 pg/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN N/A

Fragment table for sample 10 : cerebellum_2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.39	40.91	44.1	6.5
28S	45.37	48.12	65.7	9.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : midbrain_1**

RNA Area:	1,370.1	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	3,958 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.60

Fragment table for sample 11 : midbrain_1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.21	40.87	298.7	21.8
28S	45.08	47.86	345.5	25.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE54107567_2019-07-16_12-31-05.xad

Created: 16-Jul-19 12:31:05 PM
Modified: 16-Jul-19 2:52:37 PM

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