

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091818\  
 Data File : BF109114.D  
 Acq On : 18 Sep 2018 23:38  
 Operator : JU/SJ  
 Sample : J4967-01 5X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-UST-091718-01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091418.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.901       | 434           | 436         | 443          | rVB      | 15470          | 15805         | 1.36%           | 0.152%        |
| 2         | 5.325       | 504           | 508         | 520          | rVB      | 458878         | 459711        | 39.49%          | 4.427%        |
| 3         | 6.348       | 679           | 682         | 692          | rBV      | 615917         | 505522        | 43.43%          | 4.868%        |
| 4         | 6.484       | 702           | 705         | 709          | rBV      | 567802         | 497211        | 42.72%          | 4.788%        |
| 5         | 6.719       | 742           | 745         | 749          | rBV      | 838292         | 726516        | 62.41%          | 6.996%        |
| 6         | 6.878       | 768           | 772         | 775          | rBV      | 537675         | 418030        | 35.91%          | 4.025%        |
| 7         | 7.278       | 836           | 840         | 846          | rBV      | 348538         | 298375        | 25.63%          | 2.873%        |
| 8         | 8.001       | 960           | 963         | 967          | rBV      | 1056364        | 860652        | 73.94%          | 8.287%        |
| 9         | 9.078       | 1142          | 1146        | 1155         | rBV      | 656247         | 519697        | 44.65%          | 5.004%        |
| 10        | 9.472       | 1210          | 1213        | 1215         | rBV      | 62285          | 50554         | 4.34%           | 0.487%        |
| 11        | 9.754       | 1257          | 1261        | 1265         | rBV      | 975724         | 833629        | 71.62%          | 8.027%        |
| 12        | 10.530      | 1390          | 1393        | 1401         | rBV      | 309844         | 287399        | 24.69%          | 2.767%        |
| 13        | 11.230      | 1508          | 1512        | 1514         | rBV      | 945727         | 790991        | 67.95%          | 7.616%        |
| 14        | 11.254      | 1514          | 1516        | 1519         | rVV      | 131803         | 105254        | 9.04%           | 1.013%        |
| 15        | 11.301      | 1522          | 1524        | 1527         | rVB      | 30648          | 26617         | 2.29%           | 0.256%        |
| 16        | 11.730      | 1594          | 1597        | 1599         | rBV      | 23097          | 20091         | 1.73%           | 0.193%        |
| 17        | 11.760      | 1599          | 1602        | 1607         | rVV      | 32243          | 33924         | 2.91%           | 0.327%        |
| 18        | 11.807      | 1607          | 1610        | 1613         | rVV2     | 12749          | 15064         | 1.29%           | 0.145%        |
| 19        | 11.842      | 1613          | 1616        | 1618         | rVV      | 36528          | 39657         | 3.41%           | 0.382%        |
| 20        | 11.860      | 1618          | 1619        | 1624         | rVB      | 16231          | 14789         | 1.27%           | 0.142%        |
| 21        | 12.024      | 1642          | 1647        | 1649         | rBV      | 15410          | 15889         | 1.37%           | 0.153%        |
| 22        | 12.277      | 1687          | 1690        | 1694         | rBV      | 23683          | 24303         | 2.09%           | 0.234%        |
| 23        | 12.360      | 1702          | 1704        | 1709         | rVB3     | 15086          | 17449         | 1.50%           | 0.168%        |
| 24        | 12.436      | 1713          | 1717        | 1720         | rBV      | 276329         | 228576        | 19.64%          | 2.201%        |
| 25        | 12.660      | 1750          | 1755        | 1759         | rBV      | 250470         | 236037        | 20.28%          | 2.273%        |
| 26        | 12.783      | 1773          | 1776        | 1777         | rBV2     | 18538          | 13844         | 1.19%           | 0.133%        |
| 27        | 12.807      | 1777          | 1780        | 1784         | rVV      | 565708         | 501729        | 43.10%          | 4.831%        |
| 28        | 12.877      | 1788          | 1792        | 1796         | rBV3     | 19989          | 31711         | 2.72%           | 0.305%        |
| 29        | 12.966      | 1804          | 1807        | 1809         | rBV3     | 15800          | 17853         | 1.53%           | 0.172%        |
| 30        | 12.989      | 1809          | 1811        | 1816         | rVB      | 43257          | 37591         | 3.23%           | 0.362%        |
| 31        | 13.060      | 1820          | 1823        | 1825         | rVB      | 30979          | 26684         | 2.29%           | 0.257%        |
| 32        | 13.095      | 1825          | 1829        | 1831         | rBV      | 35815          | 30149         | 2.59%           | 0.290%        |
| 33        | 13.154      | 1836          | 1839        | 1842         | rBV5     | 10731          | 14736         | 1.27%           | 0.142%        |
| 34        | 13.183      | 1842          | 1844        | 1847         | rVB      | 15820          | 14342         | 1.23%           | 0.138%        |

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Instrument :  
BNA\_F  
ClientSampleId :  
SUP-UST-091718-01

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091418.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 13.213 | 1847 | 1849 | 1852 | rBV  | 20561   | 19027   | 1.63%   | 0.183%  |
| 36 | 13.489 | 1894 | 1896 | 1902 | rVB  | 20695   | 28777   | 2.47%   | 0.277%  |
| 37 | 13.601 | 1912 | 1915 | 1919 | rBV2 | 27455   | 40750   | 3.50%   | 0.392%  |
| 38 | 13.654 | 1922 | 1924 | 1929 | rVV2 | 16548   | 19475   | 1.67%   | 0.188%  |
| 39 | 13.718 | 1933 | 1935 | 1939 | rVB3 | 25914   | 34972   | 3.00%   | 0.337%  |
| 40 | 13.854 | 1953 | 1958 | 1961 | rBV  | 1155707 | 1164010 | 100.00% | 11.208% |
| 41 | 13.877 | 1961 | 1962 | 1965 | rVB  | 129380  | 90822   | 7.80%   | 0.875%  |
| 42 | 13.960 | 1974 | 1976 | 1980 | rBV2 | 21295   | 22816   | 1.96%   | 0.220%  |
| 43 | 14.042 | 1988 | 1990 | 1993 | rVB  | 18941   | 12051   | 1.04%   | 0.116%  |
| 44 | 14.860 | 2126 | 2129 | 2133 | rBV  | 111647  | 176273  | 15.14%  | 1.697%  |
| 45 | 14.960 | 2143 | 2146 | 2152 | rVB2 | 75950   | 89493   | 7.69%   | 0.862%  |
| 46 | 15.142 | 2175 | 2177 | 2181 | rVB  | 65441   | 64906   | 5.58%   | 0.625%  |
| 47 | 15.201 | 2184 | 2187 | 2192 | rVB  | 95182   | 100338  | 8.62%   | 0.966%  |
| 48 | 15.260 | 2193 | 2197 | 2202 | rBV  | 652966  | 791141  | 67.97%  | 7.618%  |

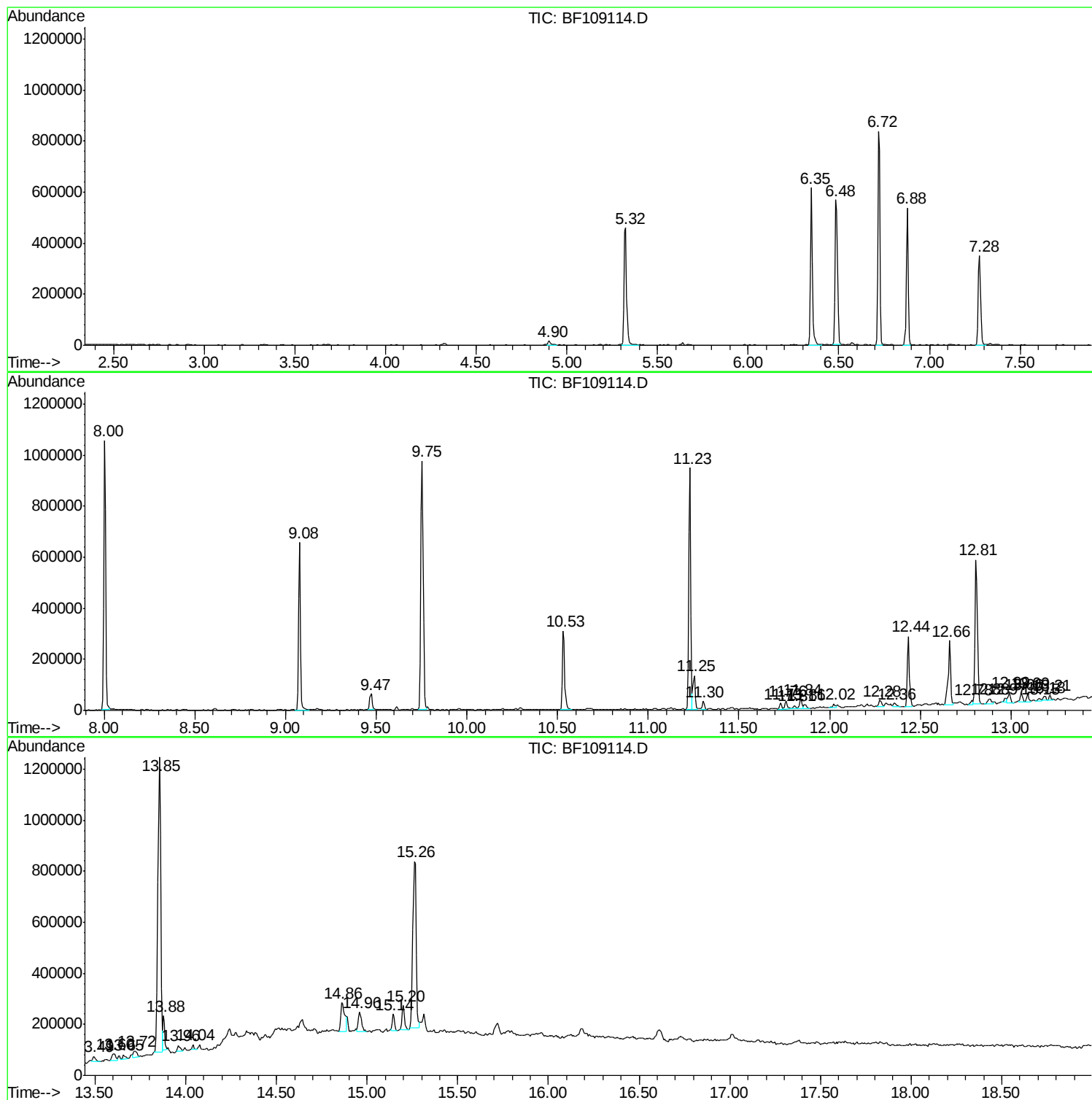
Sum of corrected areas: 10385232

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

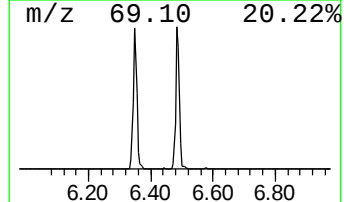
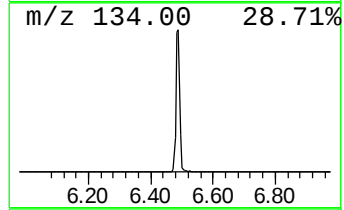
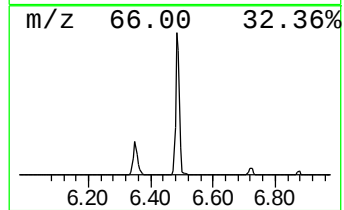
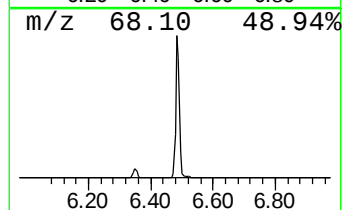
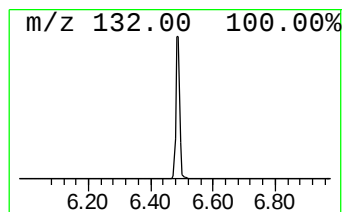
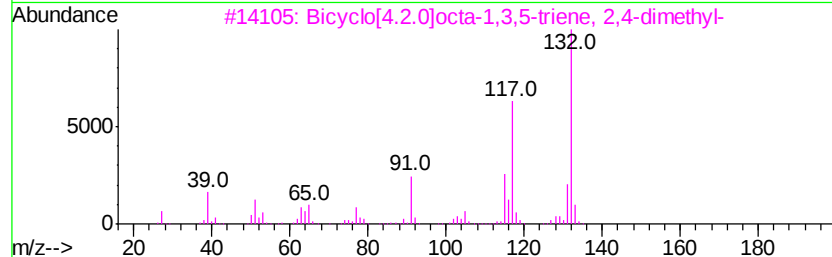
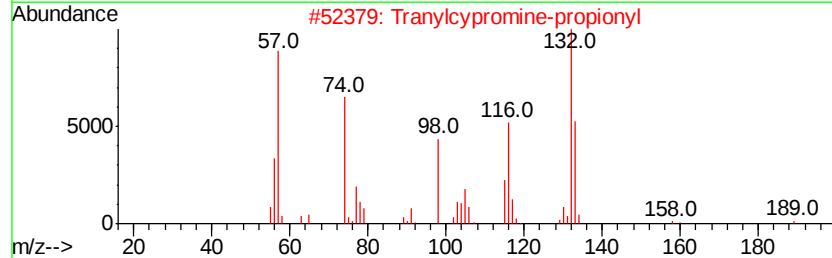
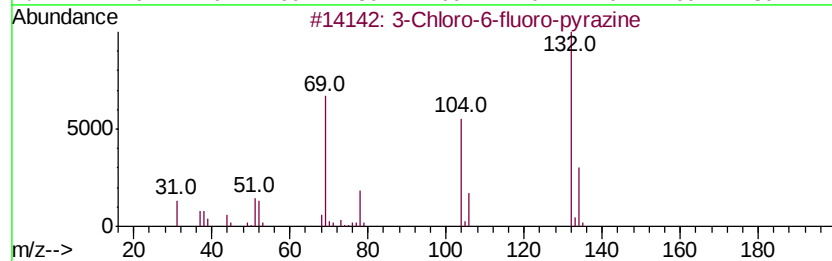
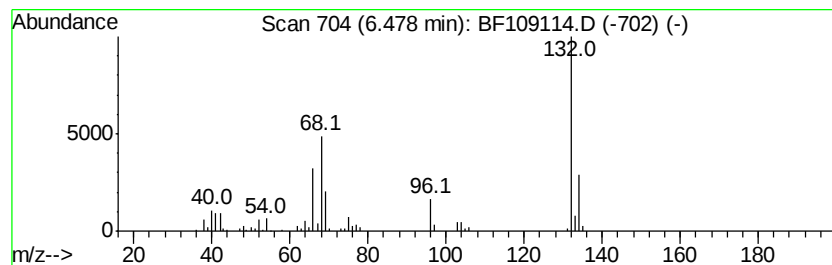
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.48 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.48 | 13.69 ng | 497211 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Bicvclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9  | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091418.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown6.48      | 6.48 | 13.7    | ng    | 497211   | 1                     | 6.72 | 726516 | 20.0 |