

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\  
 Data File : BF114688.D  
 Acq On : 31 May 2019 3:51  
 Operator : HP/JU  
 Sample : K3068-19 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-8N(3.5-4.5)

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-BF052919.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         | 3.628       | 255           | 262         | 268          | rBV      | 56686          | 87621         | 2.35%           | 0.299%        |
| 2         | 5.293       | 541           | 545         | 552          | rBV      | 1175074        | 1156102       | 30.98%          | 3.941%        |
| 3         | 6.322       | 716           | 720         | 729          | rBV      | 1488804        | 1293973       | 34.67%          | 4.411%        |
| 4         | 6.457       | 740           | 743         | 747          | rBV      | 1392039        | 1286364       | 34.47%          | 4.385%        |
| 5         | 6.698       | 780           | 784         | 787          | rBV      | 3672005        | 2862204       | 76.70%          | 9.756%        |
| 6         | 6.851       | 807           | 810         | 814          | rVB      | 1322891        | 1034607       | 27.72%          | 3.527%        |
| 7         | 7.251       | 874           | 878         | 881          | rBV      | 849915         | 662422        | 17.75%          | 2.258%        |
| 8         | 7.981       | 998           | 1002        | 1005         | rBV      | 4310014        | 3576848       | 95.85%          | 12.192%       |
| 9         | 9.051       | 1180          | 1184        | 1187         | rBV      | 1828512        | 1446850       | 38.77%          | 4.932%        |
| 10        | 9.445       | 1248          | 1251        | 1253         | rBV      | 111426         | 101384        | 2.72%           | 0.346%        |
| 11        | 9.728       | 1295          | 1299        | 1302         | rBV      | 4127681        | 3731880       | 100.00%         | 12.720%       |
| 12        | 10.504      | 1427          | 1431        | 1437         | rBV      | 714143         | 676857        | 18.14%          | 2.307%        |
| 13        | 10.657      | 1455          | 1457        | 1463         | rVB      | 62198          | 60280         | 1.62%           | 0.205%        |
| 14        | 11.122      | 1533          | 1536        | 1540         | rVB      | 101029         | 91619         | 2.46%           | 0.312%        |
| 15        | 11.198      | 1545          | 1549        | 1552         | rVV      | 4215260        | 3701947       | 99.20%          | 12.618%       |
| 16        | 11.222      | 1552          | 1553        | 1556         | rVV      | 255182         | 147622        | 3.96%           | 0.503%        |
| 17        | 11.269      | 1559          | 1561        | 1565         | rVB      | 72197          | 72547         | 1.94%           | 0.247%        |
| 18        | 11.698      | 1632          | 1634        | 1636         | rBV      | 78053          | 75148         | 2.01%           | 0.256%        |
| 19        | 11.739      | 1637          | 1641        | 1645         | rVB2     | 99541          | 149480        | 4.01%           | 0.510%        |
| 20        | 11.810      | 1650          | 1653        | 1655         | rBV      | 153824         | 153704        | 4.12%           | 0.524%        |
| 21        | 12.251      | 1725          | 1728        | 1730         | rBV      | 104975         | 117738        | 3.15%           | 0.401%        |
| 22        | 12.404      | 1751          | 1754        | 1758         | rBV      | 470173         | 448621        | 12.02%          | 1.529%        |
| 23        | 12.627      | 1789          | 1792        | 1794         | rBV      | 491067         | 382569        | 10.25%          | 1.304%        |
| 24        | 12.657      | 1795          | 1797        | 1802         | rVV      | 153817         | 161892        | 4.34%           | 0.552%        |
| 25        | 12.780      | 1814          | 1818        | 1827         | rVB      | 1302056        | 1360746       | 36.46%          | 4.638%        |
| 26        | 13.821      | 1991          | 1995        | 1998         | rBV      | 2748342        | 2775579       | 74.37%          | 9.461%        |
| 27        | 15.221      | 2230          | 2233        | 2237         | rVB      | 1610013        | 1721046       | 46.12%          | 5.866%        |

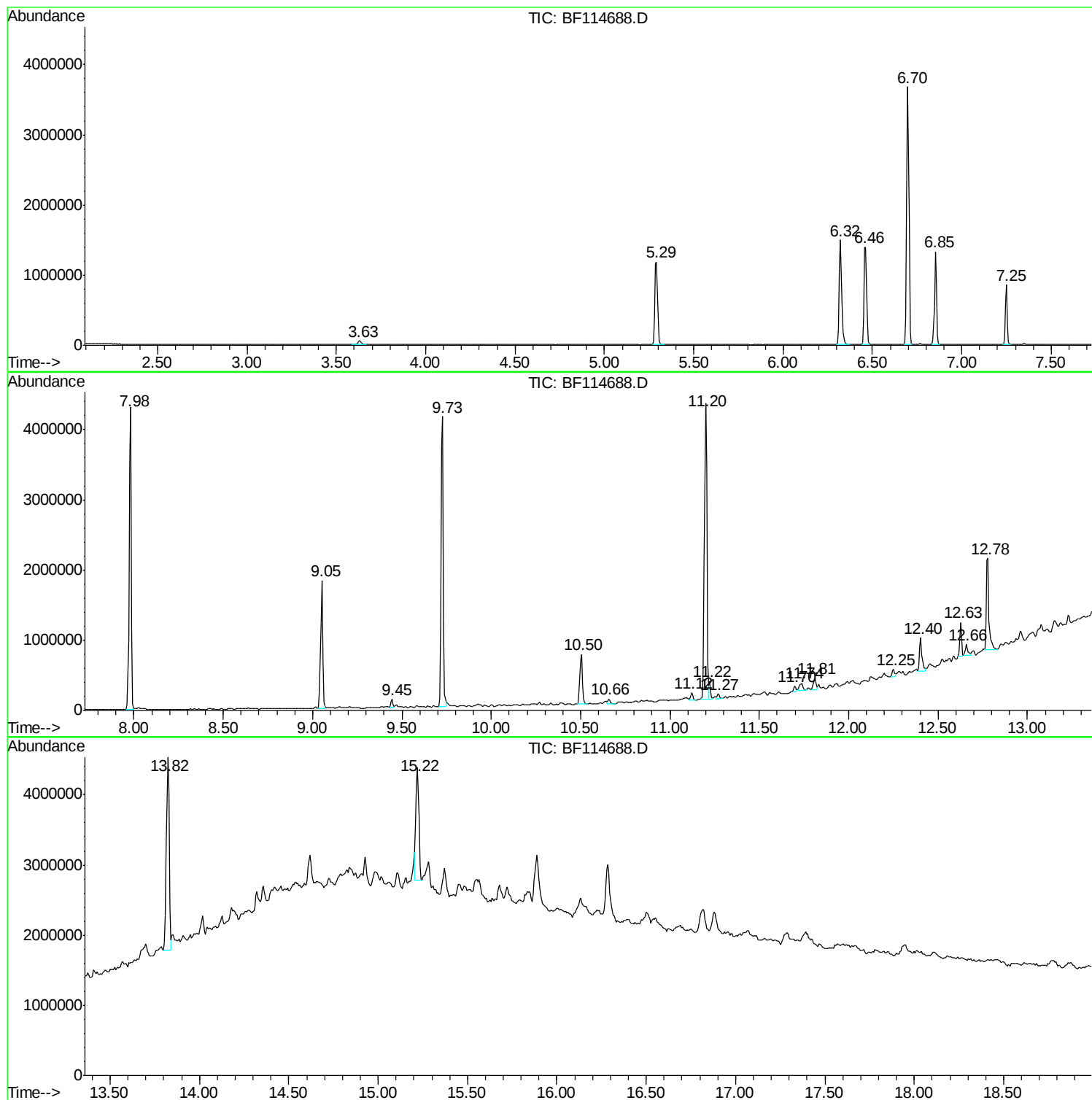
Sum of corrected areas: 29337650

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B-8N(3.5-4.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.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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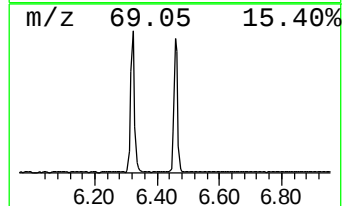
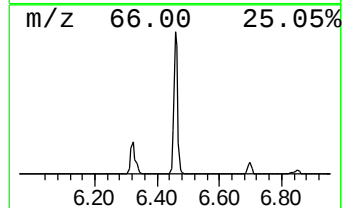
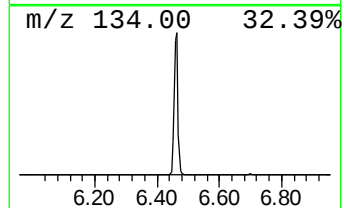
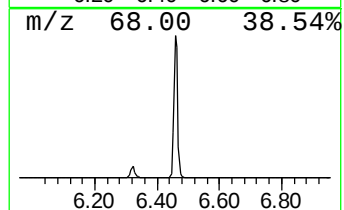
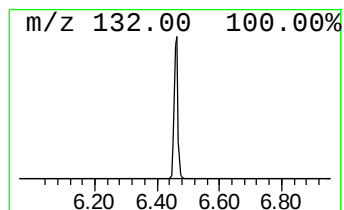
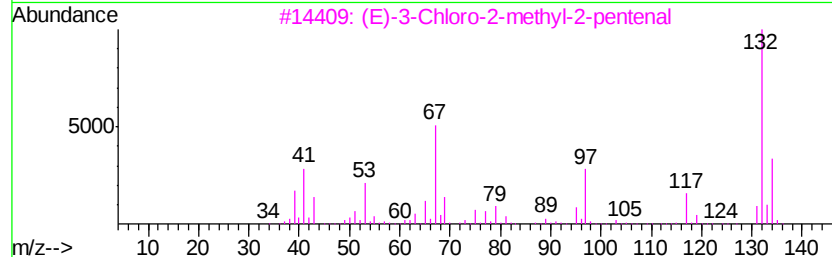
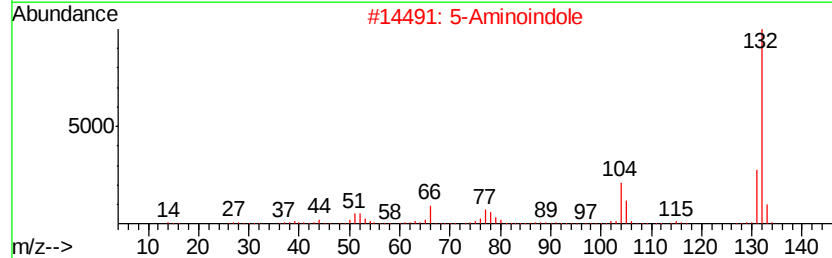
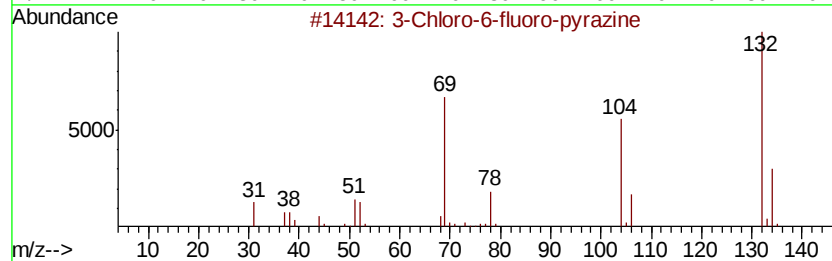
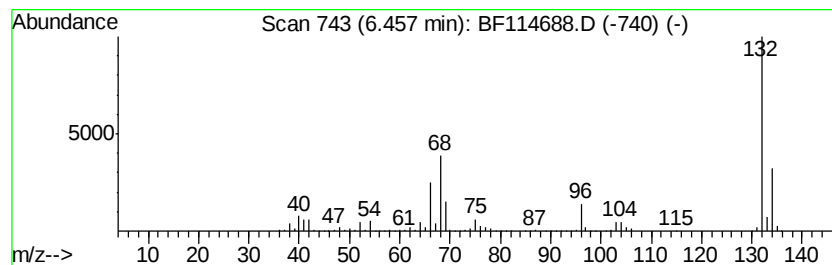
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.46 Concentration Rank 1

| R.T. | EstConc | Area    | Relative to ISTD       | R.T. |
|------|---------|---------|------------------------|------|
| 6.46 | 8.99 ng | 1286360 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 10   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |



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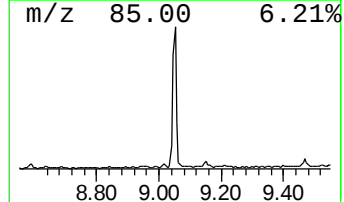
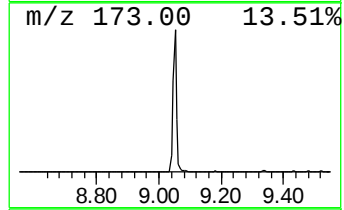
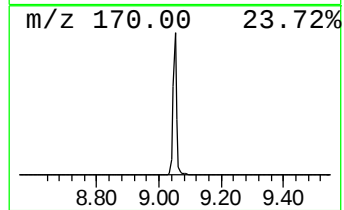
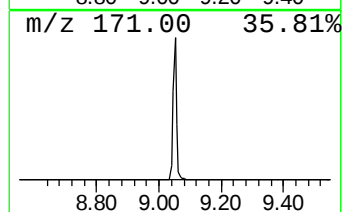
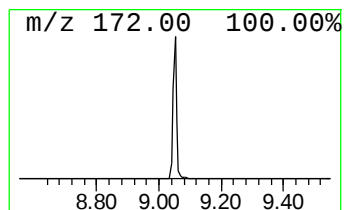
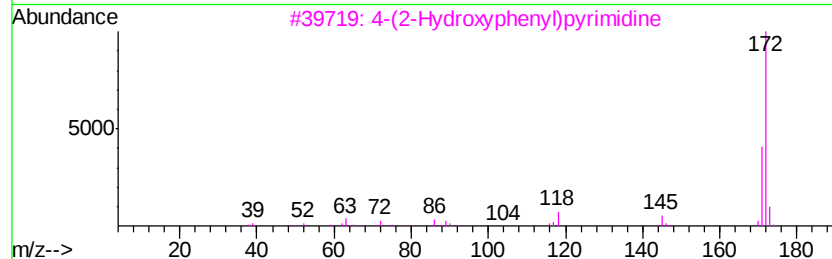
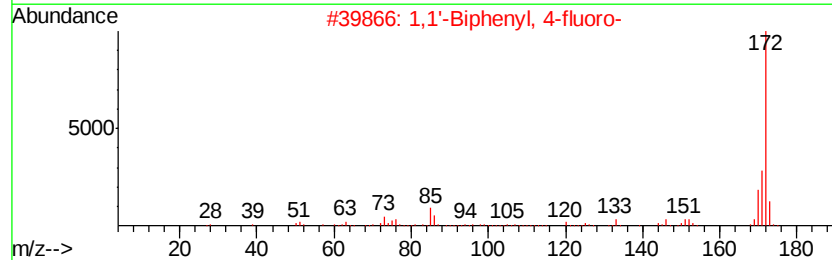
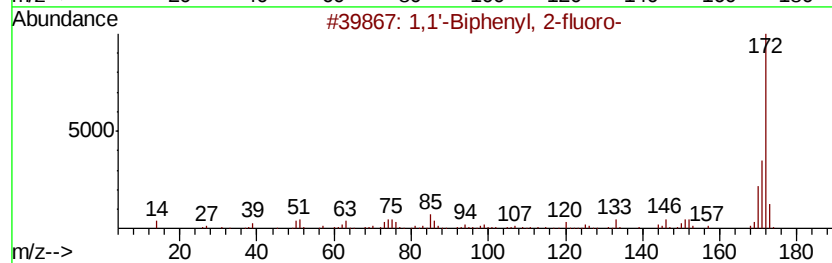
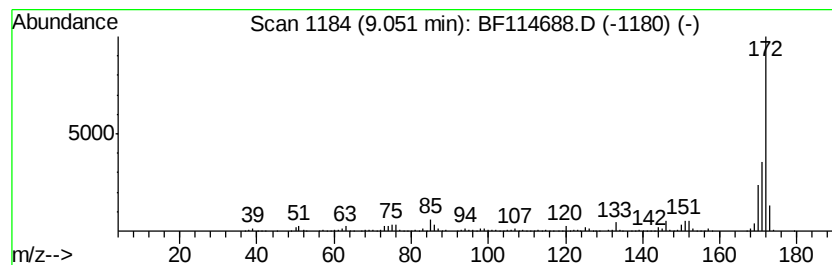
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Peak Number 3 1,1'-Biphenyl, 2-fluoro- Concentration Rank 2

| R.T.      | EstConc                       | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------|---------|------------------|-------------|------|
| 9.05      | 7.75 ng                       | 1446850 | Acenaphthene-d10 | 9.73        |      |
| Hit# of 5 | Tentative ID                  | MW      | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2-fluoro-      | 172     | C12H9F           | 000321-60-8 | 96   |
| 2         | 1,1'-Biphenyl, 4-fluoro-      | 172     | C12H9F           | 000324-74-3 | 87   |
| 3         | 4-(2-Hydroxyphenyl)pyrimidine | 172     | C10H8N2O         | 068535-55-7 | 52   |
| 4         | 2,2'-Oxydipyrindine           | 172     | C10H8N2O         | 053258-94-9 | 52   |
| 5         | 4-Pyrimidinol, 5-phenyl-      | 172     | C10H8N2O         | 022433-69-8 | 42   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| unknown6.46          | 6.46 | 9.0     | ng    | 1286360  | 1                     | 6.70 | 2862200 | 20.0 |
| 1,1'-Biphenyl, 2-... | 9.05 | 7.8     | ng    | 1446850  | 3                     | 9.73 | 3731880 | 20.0 |