

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\  
 Data File : BP000286.D  
 Acq On : 17 Sep 2019 20:38  
 Operator : HP/JU  
 Sample : K4661-04 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 HD-02-091319

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\_P\METHODS\8270-BP091619.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         | 3.834       | 288           | 297         | 304          | rBV      | 28515          | 42361         | 1.89%           | 0.204%        |
| 2         | 5.410       | 561           | 565         | 579          | rBV      | 1054994        | 975026        | 43.59%          | 4.702%        |
| 3         | 6.422       | 733           | 737         | 754          | rBV2     | 1239792        | 1349492       | 60.33%          | 6.508%        |
| 4         | 6.557       | 757           | 760         | 769          | rVB      | 1174951        | 1069780       | 47.83%          | 5.159%        |
| 5         | 6.793       | 796           | 800         | 803          | rBV      | 1787615        | 1470668       | 65.75%          | 7.092%        |
| 6         | 6.946       | 823           | 826         | 830          | rBV      | 1268315        | 975420        | 43.61%          | 4.704%        |
| 7         | 7.346       | 890           | 894         | 897          | rBV      | 331265         | 273761        | 12.24%          | 1.320%        |
| 8         | 8.075       | 1014          | 1018        | 1021         | rBV      | 2241673        | 1829643       | 81.80%          | 8.823%        |
| 9         | 9.146       | 1197          | 1200        | 1204         | rBV      | 1693698        | 1494100       | 66.80%          | 7.205%        |
| 10        | 9.240       | 1212          | 1216        | 1220         | rBV4     | 22517          | 30534         | 1.37%           | 0.147%        |
| 11        | 9.545       | 1265          | 1268        | 1273         | rBV      | 148769         | 135745        | 6.07%           | 0.655%        |
| 12        | 9.645       | 1282          | 1285        | 1289         | rBV2     | 75331          | 85436         | 3.82%           | 0.412%        |
| 13        | 9.834       | 1313          | 1317        | 1320         | rBV      | 2611264        | 2148452       | 96.05%          | 10.360%       |
| 14        | 10.622      | 1447          | 1451        | 1454         | rBV      | 628428         | 529986        | 23.69%          | 2.556%        |
| 15        | 10.663      | 1454          | 1458        | 1465         | rVB3     | 38907          | 67804         | 3.03%           | 0.327%        |
| 16        | 11.075      | 1525          | 1528        | 1533         | rBV2     | 50148          | 48568         | 2.17%           | 0.234%        |
| 17        | 11.328      | 1567          | 1571        | 1574         | rBV      | 2676710        | 2236782       | 100.00%         | 10.786%       |
| 18        | 11.728      | 1637          | 1639        | 1646         | rBV2     | 52844          | 56773         | 2.54%           | 0.274%        |
| 19        | 11.928      | 1671          | 1673        | 1678         | rBV4     | 28752          | 45420         | 2.03%           | 0.219%        |
| 20        | 12.422      | 1754          | 1757        | 1759         | rBV2     | 152779         | 145828        | 6.52%           | 0.703%        |
| 21        | 12.445      | 1759          | 1761        | 1764         | rVB      | 207425         | 157087        | 7.02%           | 0.758%        |
| 22        | 12.545      | 1776          | 1778        | 1781         | rVB      | 85027          | 78070         | 3.49%           | 0.376%        |
| 23        | 12.781      | 1815          | 1818        | 1820         | rBV      | 91642          | 76331         | 3.41%           | 0.368%        |
| 24        | 12.928      | 1839          | 1843        | 1846         | rBV      | 1885376        | 1674122       | 74.85%          | 8.073%        |
| 25        | 13.992      | 2020          | 2024        | 2027         | rBV      | 2476569        | 2208706       | 98.74%          | 10.651%       |
| 26        | 15.475      | 2272          | 2276        | 2280         | rVB      | 1297813        | 1531101       | 68.45%          | 7.383%        |

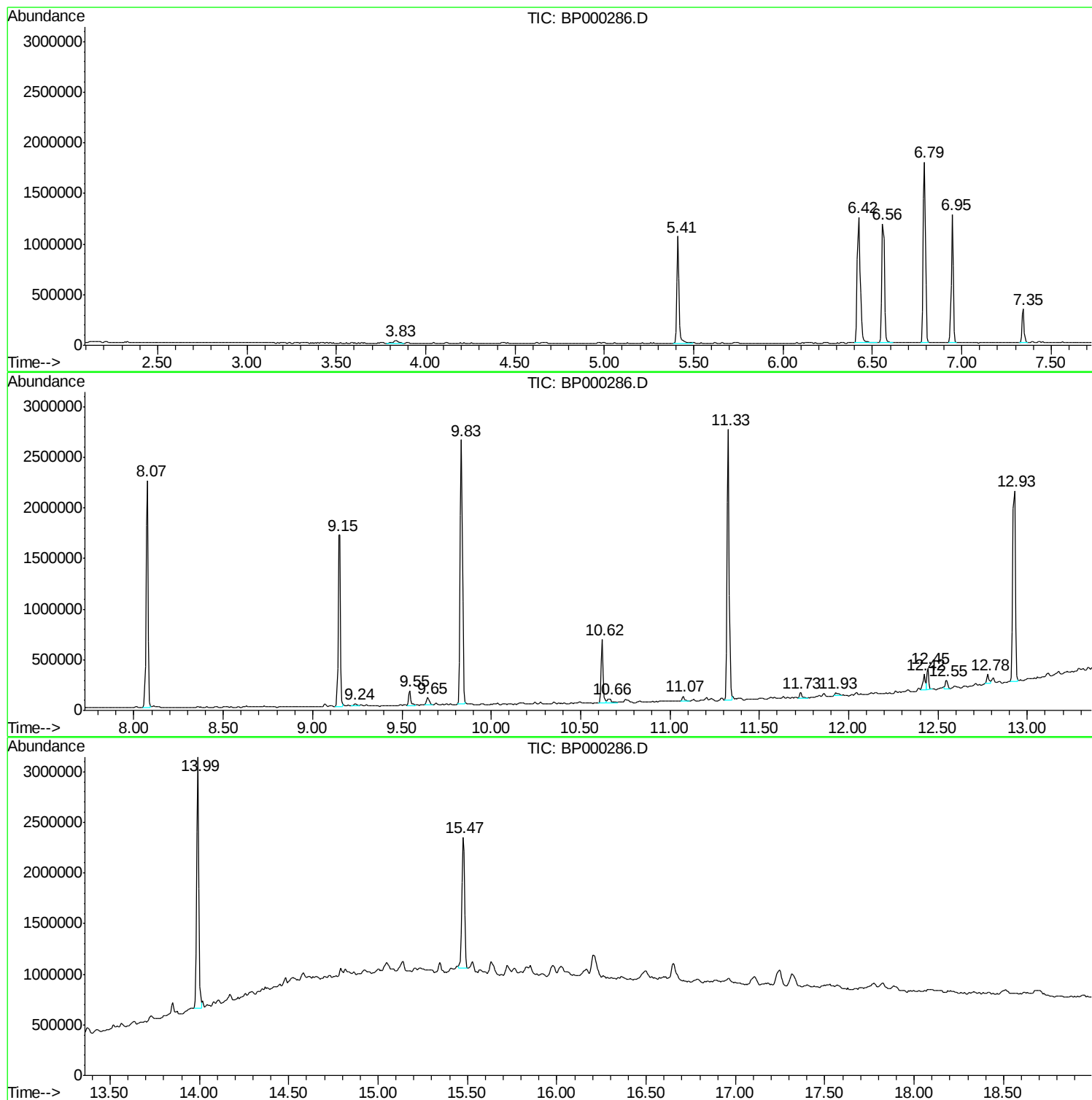
Sum of corrected areas: 20736996

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.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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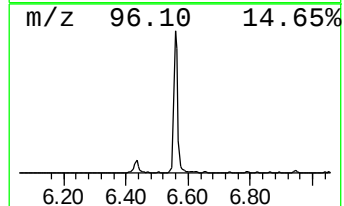
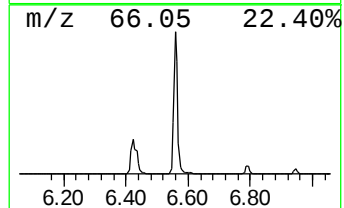
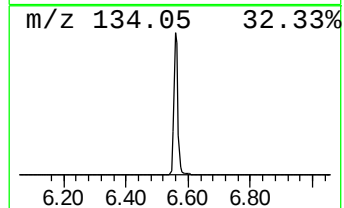
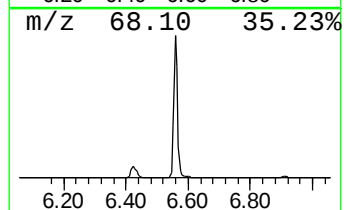
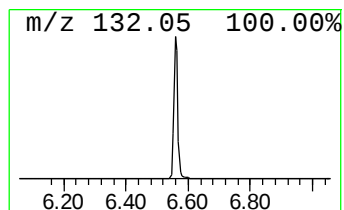
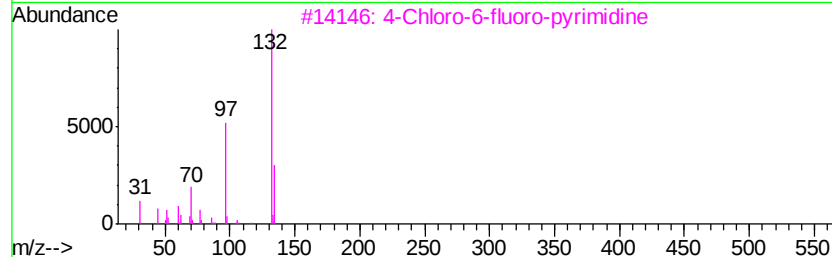
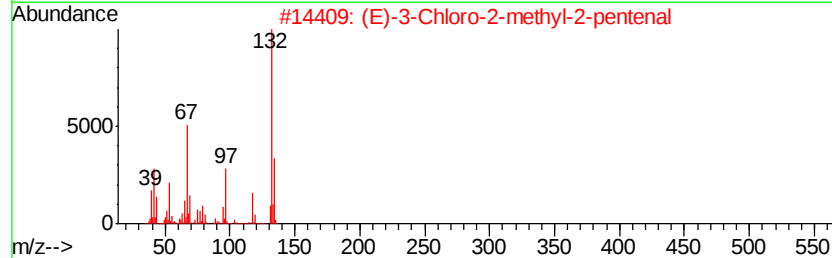
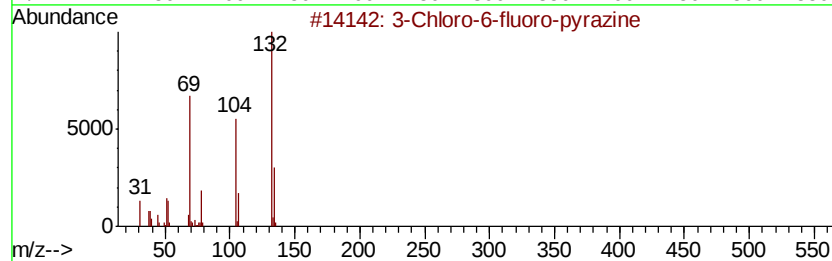
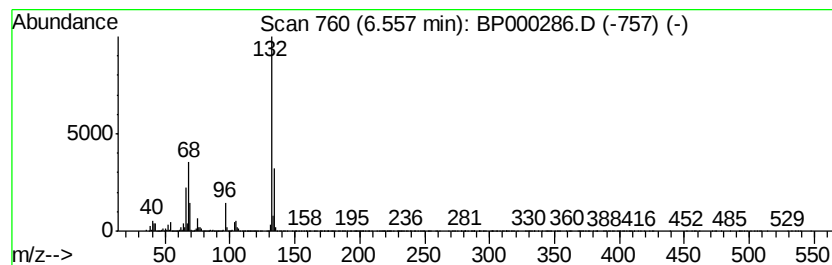
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.56 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.56 | 14.55 ng | 1069780 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    |   | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    |   | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 4    |    |   | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6  | 9    |
| 5    |    |   | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| unknown6.56      | 6.56 | 14.6    | ng    | 1069780  | 1                     | 6.79 | 1470670 | 20.0 |