

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM042915\  
 Data File : BM001135.D  
 Acq On : 28 Apr 2015 19:21  
 Operator : TP/IZ  
 Sample : PB82969BL  
 Misc : SBLK54  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SBLK54

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % 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:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM042815.M  
 Title : SVOA 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         | 2.728       | 3             | 7           | 20           | rVB      | 659318         | 843652        | 15.99%          | 1.610%        |
| 2         | 2.993       | 48            | 52          | 63           | rVB2     | 58349          | 82283         | 1.56%           | 0.157%        |
| 3         | 3.552       | 144           | 147         | 154          | rVB4     | 24295          | 30317         | 0.57%           | 0.058%        |
| 4         | 4.646       | 330           | 333         | 337          | rVB4     | 6262           | 7991          | 0.15%           | 0.015%        |
| 5         | 5.757       | 519           | 522         | 527          | rVB5     | 6415           | 8986          | 0.17%           | 0.017%        |
| 6         | 6.534       | 649           | 654         | 658          | rVB2     | 10711          | 16527         | 0.31%           | 0.032%        |
| 7         | 6.722       | 679           | 686         | 693          | rBV      | 962020         | 1454220       | 27.56%          | 2.775%        |
| 8         | 6.881       | 705           | 713         | 721          | rBV      | 717002         | 1114471       | 21.12%          | 2.127%        |
| 9         | 6.969       | 724           | 728         | 733          | rVB5     | 5095           | 9422          | 0.18%           | 0.018%        |
| 10        | 7.069       | 738           | 745         | 755          | rVV      | 983394         | 1493460       | 28.30%          | 2.850%        |
| 11        | 7.169       | 757           | 762         | 769          | rVB2     | 24010          | 39211         | 0.74%           | 0.075%        |
| 12        | 7.534       | 817           | 824         | 836          | rVB      | 681246         | 1083878       | 20.54%          | 2.068%        |
| 13        | 7.669       | 843           | 847         | 852          | rVB3     | 6330           | 8642          | 0.16%           | 0.016%        |
| 14        | 7.763       | 858           | 863         | 868          | rBV4     | 19339          | 31180         | 0.59%           | 0.059%        |
| 15        | 8.075       | 912           | 916         | 920          | rBV      | 9791           | 17065         | 0.32%           | 0.033%        |
| 16        | 8.110       | 920           | 922         | 927          | rVB2     | 5793           | 6720          | 0.13%           | 0.013%        |
| 17        | 8.210       | 932           | 939         | 940          | rBV4     | 9609           | 11958         | 0.23%           | 0.023%        |
| 18        | 8.257       | 940           | 947         | 961          | rVB      | 1131683        | 1754245       | 33.25%          | 3.347%        |
| 19        | 8.693       | 1013          | 1021        | 1030         | rBV      | 903037         | 1414309       | 26.80%          | 2.699%        |
| 20        | 9.416       | 1136          | 1144        | 1158         | rVB      | 735385         | 1209899       | 22.93%          | 2.309%        |
| 21        | 9.951       | 1228          | 1235        | 1243         | rBV      | 1077798        | 1715938       | 32.52%          | 3.274%        |
| 22        | 10.322      | 1291          | 1298        | 1308         | rVB      | 927469         | 1495188       | 28.34%          | 2.853%        |
| 23        | 10.463      | 1315          | 1322        | 1334         | rBV      | 1112410        | 1876942       | 35.57%          | 3.581%        |
| 24        | 13.622      | 1852          | 1859        | 1871         | rBV      | 1927519        | 2520841       | 47.77%          | 4.810%        |
| 25        | 13.892      | 1898          | 1905        | 1917         | rBV      | 2138712        | 3115089       | 59.04%          | 5.944%        |
| 26        | 14.204      | 1952          | 1958        | 1967         | rVB2     | 1275351        | 1886310       | 35.75%          | 3.599%        |
| 27        | 14.422      | 1989          | 1995        | 2010         | rBV      | 885119         | 1225282       | 23.22%          | 2.338%        |
| 28        | 14.639      | 2029          | 2032        | 2035         | rVB3     | 7309           | 8542          | 0.16%           | 0.016%        |
| 29        | 15.204      | 2122          | 2128        | 2140         | rBV      | 2903556        | 3879469       | 73.52%          | 7.402%        |
| 30        | 15.333      | 2144          | 2150        | 2162         | rVV      | 989016         | 1312637       | 24.88%          | 2.505%        |
| 31        | 15.445      | 2165          | 2169        | 2174         | rBV2     | 22415          | 29921         | 0.57%           | 0.057%        |
| 32        | 16.616      | 2363          | 2368        | 2373         | rBV3     | 44462          | 59374         | 1.13%           | 0.113%        |
| 33        | 16.745      | 2386          | 2390        | 2395         | rVB      | 5147           | 6859          | 0.13%           | 0.013%        |
| 34        | 16.957      | 2419          | 2426        | 2434         | rBV      | 1680717        | 2251402       | 42.67%          | 4.296%        |

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Sampling : 1  
Start Thrs: 0.2  
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Filtering: 5  
Min Area: 0.1 % 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:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM042815.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 17.057 | 2436 | 2443 | 2458 | rVB  | 3036825 | 4229379 | 80.15%  | 8.070%  |
| 36 | 19.251 | 2811 | 2816 | 2820 | rVB  | 19850   | 25446   | 0.48%   | 0.049%  |
| 37 | 19.362 | 2828 | 2835 | 2842 | rBV  | 3729698 | 4943159 | 93.68%  | 9.432%  |
| 38 | 19.968 | 2936 | 2938 | 2942 | rBV4 | 4384    | 5417    | 0.10%   | 0.010%  |
| 39 | 20.356 | 3000 | 3004 | 3007 | rBV6 | 10281   | 10519   | 0.20%   | 0.020%  |
| 40 | 20.956 | 3102 | 3106 | 3110 | rVB5 | 20807   | 28080   | 0.53%   | 0.054%  |
| 41 | 21.156 | 3135 | 3140 | 3150 | rBV  | 2128357 | 2670477 | 50.61%  | 5.096%  |
| 42 | 21.315 | 3165 | 3167 | 3170 | rVB4 | 9601    | 8354    | 0.16%   | 0.016%  |
| 43 | 22.180 | 3311 | 3314 | 3321 | rVB2 | 33949   | 39330   | 0.75%   | 0.075%  |
| 44 | 22.662 | 3393 | 3396 | 3402 | rVB3 | 47724   | 68632   | 1.30%   | 0.131%  |
| 45 | 23.186 | 3477 | 3485 | 3499 | rBV2 | 2949653 | 5276595 | 100.00% | 10.068% |
| 46 | 23.321 | 3500 | 3508 | 3519 | rVB  | 1490522 | 2703847 | 51.24%  | 5.159%  |
| 47 | 23.809 | 3588 | 3591 | 3599 | rVB3 | 65452   | 123596  | 2.34%   | 0.236%  |
| 48 | 24.515 | 3707 | 3711 | 3718 | rVB4 | 73982   | 145827  | 2.76%   | 0.278%  |
| 49 | 25.333 | 3847 | 3850 | 3857 | rVB5 | 53131   | 107424  | 2.04%   | 0.205%  |

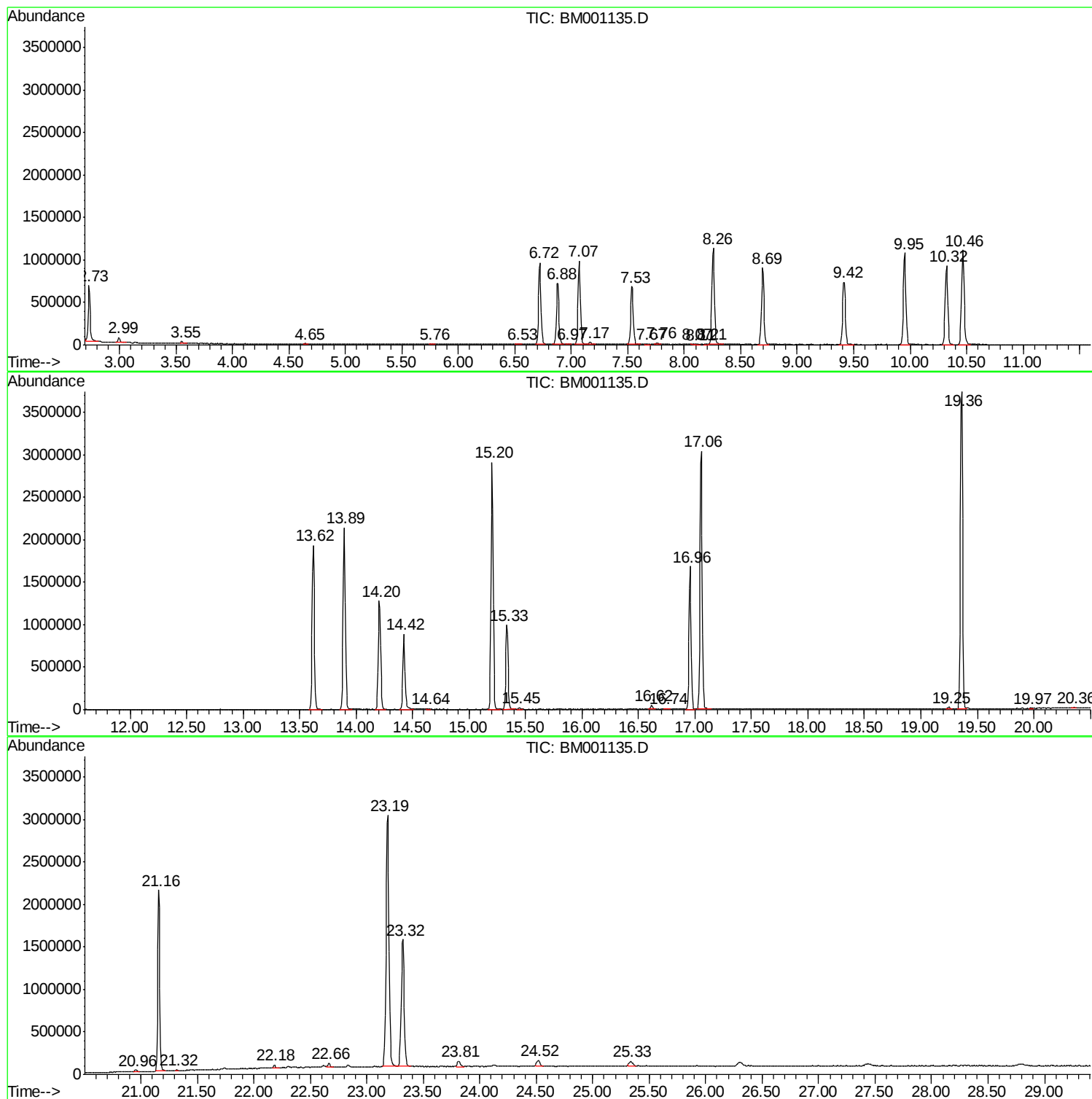
Sum of corrected areas: 52408312

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM042815.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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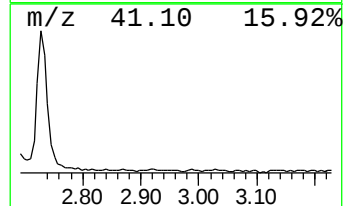
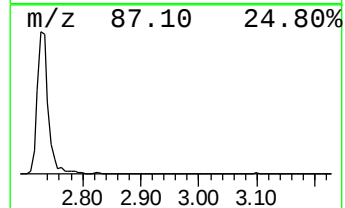
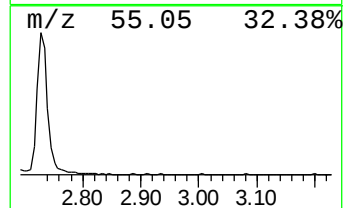
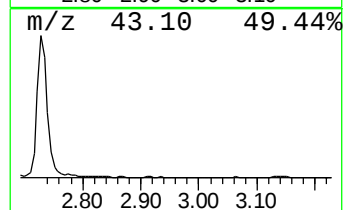
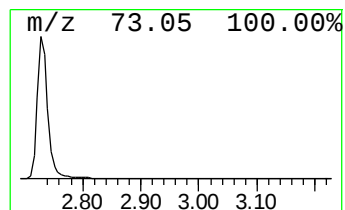
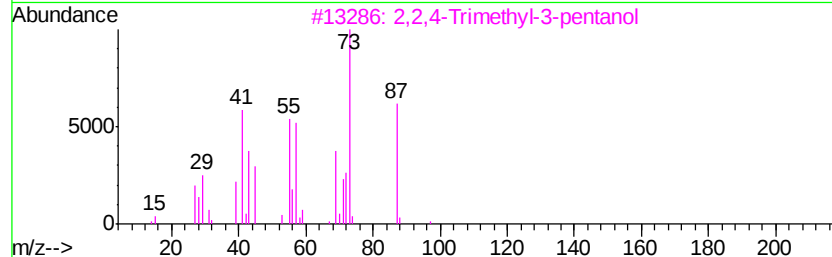
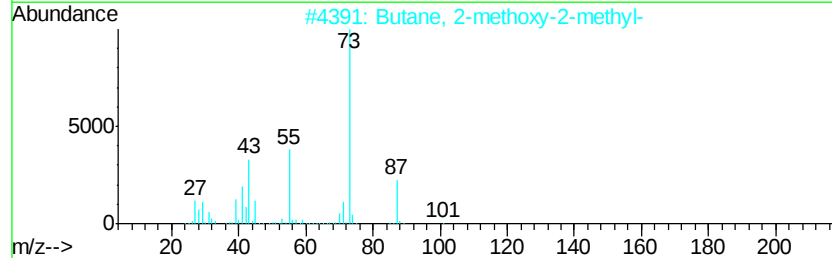
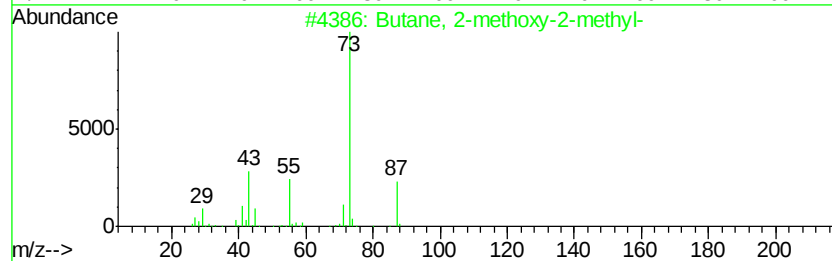
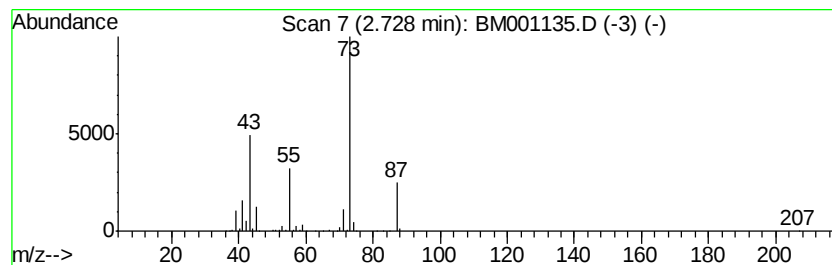
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM042815.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 2.73 | 15.57 ng/ul | 843652 | 1,4-Dichlorobenzene-d4 | 7.54 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 56   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    | 1-Propene-1-thiol           | 74  | C3H6S   | 000925-89-3 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| Butane, 2-methoxy... | 2.73 | 15.6    | ng/ul | 843652   | 1                     | 7.54 | 1083880 | 20.0 |