

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042015\  
 Data File : BM001098.D  
 Acq On : 21 Apr 2015 11:10  
 Operator : TP/IZ  
 Sample : PB82836BL  
 Misc : SBLK51  
 ALS Vial : 32 Sample Multiplier: 1

## 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\SOM01.2-EPA-BM041515.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         | 2.775       | 11            | 15          | 21           | rVB      | 254433         | 322768        | 5.23%           | 0.495%        |
| 2         | 3.175       | 80            | 83          | 87           | rBV3     | 17704          | 20988         | 0.34%           | 0.032%        |
| 3         | 4.869       | 365           | 371         | 381          | rBV      | 39495          | 91349         | 1.48%           | 0.140%        |
| 4         | 5.793       | 523           | 528         | 532          | rVB4     | 10557          | 16872         | 0.27%           | 0.026%        |
| 5         | 6.187       | 589           | 595         | 597          | rBV6     | 3855           | 6702          | 0.11%           | 0.010%        |
| 6         | 6.563       | 653           | 659         | 665          | rVB9     | 3074           | 8744          | 0.14%           | 0.013%        |
| 7         | 6.634       | 665           | 671         | 674          | rBV5     | 4010           | 6741          | 0.11%           | 0.010%        |
| 8         | 6.757       | 682           | 692         | 709          | rBV      | 1354090        | 2088552       | 33.86%          | 3.203%        |
| 9         | 6.910       | 712           | 718         | 731          | rVV      | 1035059        | 1581321       | 25.64%          | 2.425%        |
| 10        | 7.004       | 731           | 734         | 739          | rVB4     | 6288           | 8994          | 0.15%           | 0.014%        |
| 11        | 7.104       | 744           | 751         | 761          | rVV      | 1393799        | 2130016       | 34.54%          | 3.266%        |
| 12        | 7.198       | 761           | 767         | 774          | rVB      | 62535          | 94885         | 1.54%           | 0.146%        |
| 13        | 7.569       | 823           | 830         | 839          | rBV      | 1028915        | 1637036       | 26.54%          | 2.510%        |
| 14        | 8.234       | 939           | 943         | 946          | rBV5     | 6984           | 9208          | 0.15%           | 0.014%        |
| 15        | 8.292       | 946           | 953         | 966          | rVV      | 1541602        | 2476511       | 40.15%          | 3.798%        |
| 16        | 8.728       | 1020          | 1027        | 1037         | rBV      | 1207833        | 1912067       | 31.00%          | 2.932%        |
| 17        | 9.445       | 1143          | 1149        | 1158         | rBV      | 966189         | 1584627       | 25.69%          | 2.430%        |
| 18        | 9.986       | 1233          | 1241        | 1253         | rBV      | 1462993        | 2399989       | 38.91%          | 3.680%        |
| 19        | 10.357      | 1296          | 1304        | 1313         | rBV      | 1359358        | 2206101       | 35.77%          | 3.383%        |
| 20        | 10.498      | 1321          | 1328        | 1339         | rBV2     | 157213         | 294577        | 4.78%           | 0.452%        |
| 21        | 11.010      | 1410          | 1415        | 1419         | rBV5     | 4975           | 8727          | 0.14%           | 0.013%        |
| 22        | 11.892      | 1560          | 1565        | 1571         | rBV      | 68789          | 113079        | 1.83%           | 0.173%        |
| 23        | 11.957      | 1571          | 1576        | 1581         | rVB2     | 28619          | 44342         | 0.72%           | 0.068%        |
| 24        | 13.651      | 1857          | 1864        | 1873         | rBV      | 2187668        | 3059863       | 49.61%          | 4.692%        |
| 25        | 13.921      | 1901          | 1910        | 1920         | rBV      | 2620075        | 3893711       | 63.13%          | 5.971%        |
| 26        | 14.074      | 1933          | 1936        | 1943         | rBV6     | 5880           | 11986         | 0.19%           | 0.018%        |
| 27        | 14.233      | 1956          | 1963        | 1971         | rBV2     | 1698823        | 2630309       | 42.65%          | 4.034%        |
| 28        | 14.457      | 1994          | 2001        | 2014         | rBV      | 1074000        | 1634810       | 26.51%          | 2.507%        |
| 29        | 14.863      | 2065          | 2070        | 2073         | rBV6     | 7622           | 11645         | 0.19%           | 0.018%        |
| 30        | 15.233      | 2126          | 2133        | 2142         | rBV      | 3549623        | 4805095       | 77.91%          | 7.369%        |
| 31        | 15.363      | 2148          | 2155        | 2167         | rBV      | 1025784        | 1367537       | 22.17%          | 2.097%        |
| 32        | 15.474      | 2167          | 2174        | 2179         | rVB      | 41331          | 65603         | 1.06%           | 0.101%        |
| 33        | 15.745      | 2213          | 2220        | 2223         | rBV2     | 23756          | 30735         | 0.50%           | 0.047%        |
| 34        | 15.786      | 2223          | 2227        | 2234         | rVB5     | 20120          | 33458         | 0.54%           | 0.051%        |

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 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\Methods\SOM01.2-EPA-BM041515.M  
 Title : SVOA CALIBRATION

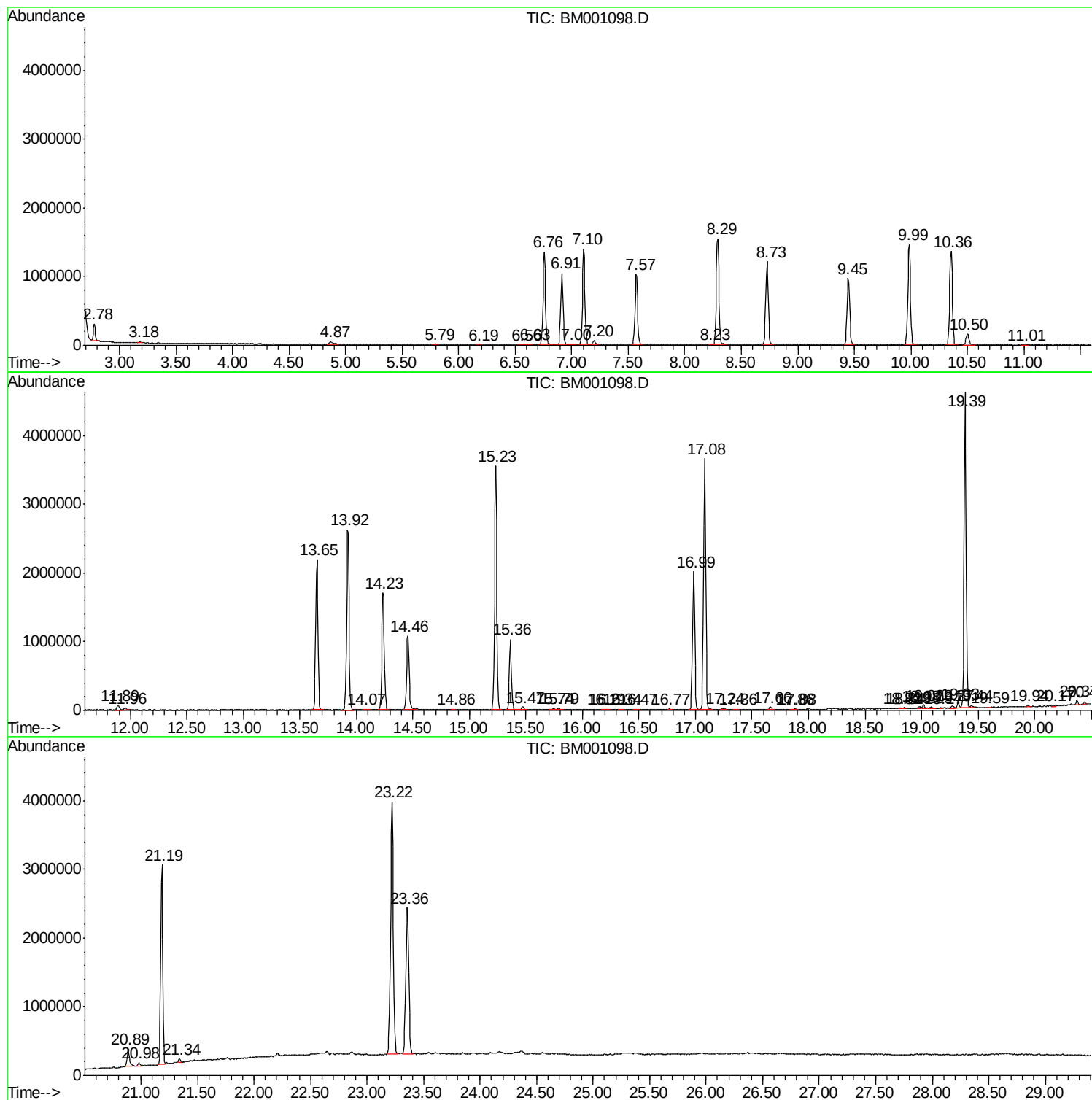
|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 16.192 | 2291 | 2296 | 2298 | rBV4 | 8102    | 10205   | 0.17%   | 0.016% |
| 36 | 16.210 | 2298 | 2299 | 2305 | rVB3 | 6130    | 8539    | 0.14%   | 0.013% |
| 37 | 16.339 | 2317 | 2321 | 2325 | rVB7 | 6054    | 8641    | 0.14%   | 0.013% |
| 38 | 16.474 | 2340 | 2344 | 2349 | rBV5 | 7086    | 9422    | 0.15%   | 0.014% |
| 39 | 16.768 | 2392 | 2394 | 2398 | rVB2 | 9229    | 10889   | 0.18%   | 0.017% |
| 40 | 16.986 | 2424 | 2431 | 2437 | rBV2 | 2013625 | 2951325 | 47.85%  | 4.526% |
| 41 | 17.080 | 2441 | 2447 | 2459 | rBV2 | 3653803 | 5090226 | 82.53%  | 7.806% |
| 42 | 17.245 | 2470 | 2475 | 2480 | rBV5 | 18694   | 34033   | 0.55%   | 0.052% |
| 43 | 17.362 | 2490 | 2495 | 2498 | rBV5 | 5165    | 7763    | 0.13%   | 0.012% |
| 44 | 17.662 | 2542 | 2546 | 2551 | rBV  | 37404   | 49686   | 0.81%   | 0.076% |
| 45 | 17.862 | 2575 | 2580 | 2581 | rBV3 | 4819    | 7263    | 0.12%   | 0.011% |
| 46 | 17.880 | 2581 | 2583 | 2587 | rVB4 | 9321    | 10040   | 0.16%   | 0.015% |
| 47 | 18.815 | 2738 | 2742 | 2743 | rBV3 | 12016   | 12236   | 0.20%   | 0.019% |
| 48 | 18.839 | 2744 | 2746 | 2750 | rVB5 | 14626   | 18738   | 0.30%   | 0.029% |
| 49 | 18.980 | 2767 | 2770 | 2772 | rBV2 | 25473   | 27212   | 0.44%   | 0.042% |
| 50 | 19.015 | 2773 | 2776 | 2781 | rVB2 | 47716   | 61724   | 1.00%   | 0.095% |
| 51 | 19.086 | 2783 | 2788 | 2795 | rVB8 | 22771   | 31310   | 0.51%   | 0.048% |
| 52 | 19.174 | 2800 | 2803 | 2804 | rBV3 | 6170    | 7070    | 0.11%   | 0.011% |
| 53 | 19.274 | 2815 | 2820 | 2823 | rBV2 | 40362   | 60075   | 0.97%   | 0.092% |
| 54 | 19.327 | 2823 | 2829 | 2832 | rVV  | 73015   | 91477   | 1.48%   | 0.140% |
| 55 | 19.386 | 2832 | 2839 | 2846 | rVV  | 4597921 | 5939945 | 96.31%  | 9.109% |
| 56 | 19.445 | 2846 | 2849 | 2854 | rVB5 | 25412   | 36718   | 0.60%   | 0.056% |
| 57 | 19.592 | 2872 | 2874 | 2877 | rBV4 | 6427    | 8258    | 0.13%   | 0.013% |
| 58 | 19.939 | 2931 | 2933 | 2937 | rVB2 | 19432   | 16769   | 0.27%   | 0.026% |
| 59 | 20.168 | 2969 | 2972 | 2975 | rBV4 | 19279   | 22154   | 0.36%   | 0.034% |
| 60 | 20.374 | 3004 | 3007 | 3011 | rVB2 | 69974   | 79842   | 1.29%   | 0.122% |
| 61 | 20.439 | 3015 | 3018 | 3021 | rVB2 | 35247   | 38216   | 0.62%   | 0.059% |
| 62 | 20.886 | 3090 | 3094 | 3101 | rBV  | 251908  | 341021  | 5.53%   | 0.523% |
| 63 | 20.980 | 3108 | 3110 | 3114 | rVB5 | 45721   | 47611   | 0.77%   | 0.073% |
| 64 | 21.186 | 3139 | 3145 | 3150 | rBV  | 2908242 | 3625692 | 58.79%  | 5.560% |
| 65 | 21.339 | 3169 | 3171 | 3174 | rVB3 | 55911   | 50132   | 0.81%   | 0.077% |
| 66 | 23.221 | 3484 | 3491 | 3500 | rVB2 | 3669181 | 6167409 | 100.00% | 9.458% |
| 67 | 23.356 | 3507 | 3514 | 3522 | rVB2 | 2125693 | 3718982 | 60.30%  | 5.703% |

Sum of corrected areas: 65209571

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Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM01.2-EPA-BM041515.M  
Quant Title : SVOA CALIBRATION

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



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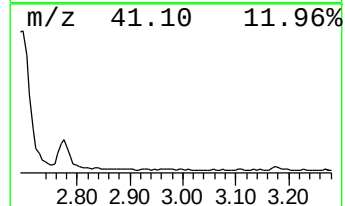
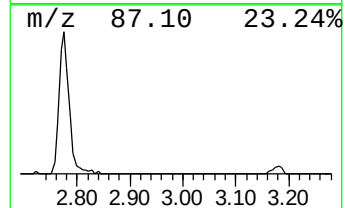
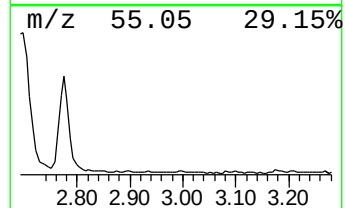
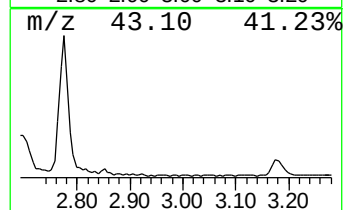
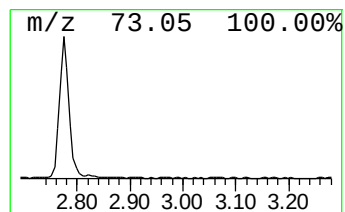
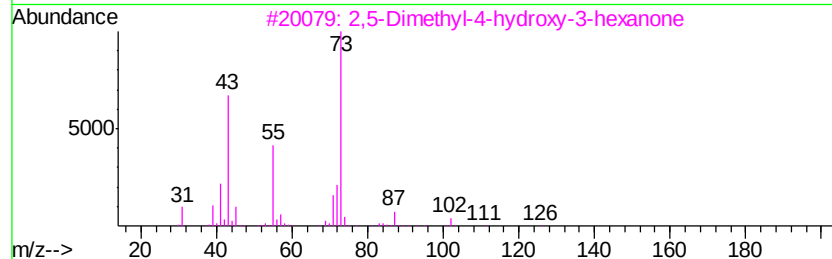
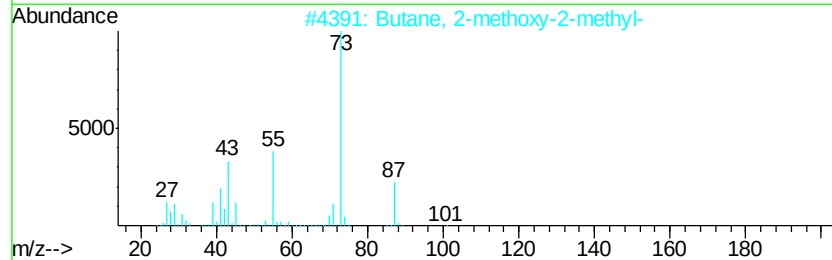
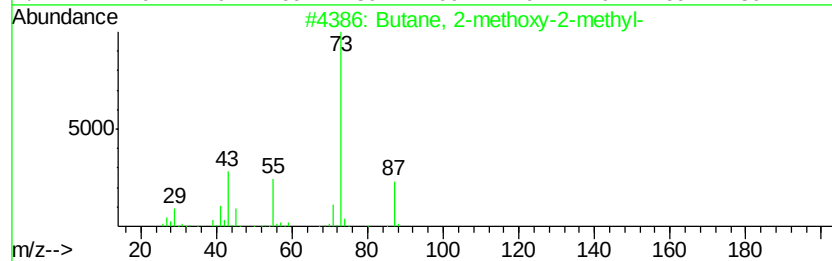
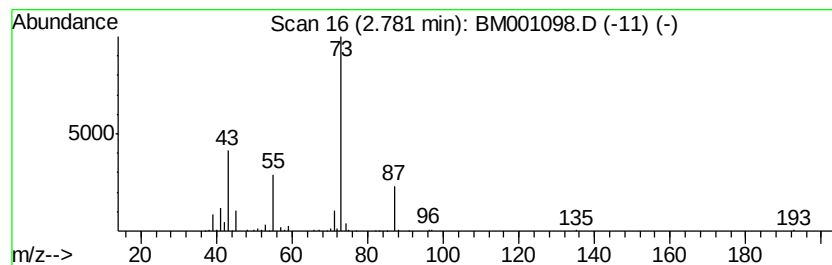
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 2.78 | 3.94 ng/ul | 322768 | 1,4-Dichlorobenzene-d4 | 7.57 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl-       | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl-       | 102 | C6H14O  | 000994-05-8 | 78   |
| 3    |    | 2,5-Dimethyl-4-hydroxy-3-hexanone | 144 | C8H16O2 | 000815-77-0 | 40   |
| 4    |    | Silane, tetramethyl-              | 88  | C4H12Si | 000075-76-3 | 25   |
| 5    |    | Pentane, 3-methoxy-               | 102 | C6H14O  | 036839-67-5 | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| Butane, 2-methoxy... | 2.78 | 3.9     | ng/ul | 322768   | 1                     | 7.57 | 1637040 | 20.0 |