

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM071615\  
 Data File : BM001963.D  
 Acq On : 17 Jul 2015 01:22  
 Operator : TP/UM  
 Sample : G2998-14  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01H1

## 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-BM071315.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         | 2.722       | 3             | 6           | 11           | rVB2     | 5844           | 7558          | 0.30%           | 0.045%        |
| 2         | 2.793       | 14            | 18          | 23           | rVV      | 65922          | 108268        | 4.27%           | 0.640%        |
| 3         | 2.869       | 27            | 31          | 52           | rVB      | 1996769        | 2533890       | 100.00%         | 14.976%       |
| 4         | 4.763       | 348           | 353         | 358          | rBV      | 14217          | 19285         | 0.76%           | 0.114%        |
| 5         | 6.816       | 694           | 702         | 714          | rBB2     | 136576         | 248307        | 9.80%           | 1.468%        |
| 6         | 6.987       | 726           | 731         | 738          | rBB      | 104191         | 154561        | 6.10%           | 0.914%        |
| 7         | 7.181       | 758           | 764         | 770          | rBB      | 139419         | 209022        | 8.25%           | 1.235%        |
| 8         | 7.651       | 838           | 844         | 851          | rBB      | 323527         | 497428        | 19.63%          | 2.940%        |
| 9         | 8.357       | 958           | 964         | 972          | rBB      | 148113         | 232144        | 9.16%           | 1.372%        |
| 10        | 8.475       | 978           | 984         | 991          | rBV      | 110065         | 172183        | 6.80%           | 1.018%        |
| 11        | 8.616       | 1002          | 1008        | 1018         | rBB3     | 4839           | 12399         | 0.49%           | 0.073%        |
| 12        | 8.810       | 1035          | 1041        | 1048         | rBB      | 131188         | 206425        | 8.15%           | 1.220%        |
| 13        | 9.528       | 1157          | 1163        | 1170         | rVB      | 114944         | 177693        | 7.01%           | 1.050%        |
| 14        | 9.687       | 1184          | 1190        | 1200         | rBB      | 15507          | 29920         | 1.18%           | 0.177%        |
| 15        | 9.887       | 1220          | 1224        | 1229         | rBB      | 11246          | 17792         | 0.70%           | 0.105%        |
| 16        | 10.057      | 1247          | 1253        | 1262         | rBB      | 175124         | 287703        | 11.35%          | 1.700%        |
| 17        | 10.439      | 1311          | 1318        | 1325         | rBV      | 442958         | 732674        | 28.91%          | 4.330%        |
| 18        | 10.581      | 1336          | 1342        | 1353         | rBV      | 112247         | 186540        | 7.36%           | 1.103%        |
| 19        | 11.228      | 1447          | 1452        | 1458         | rBB2     | 5540           | 10580         | 0.42%           | 0.063%        |
| 20        | 13.716      | 1870          | 1875        | 1880         | rVV      | 307501         | 430148        | 16.98%          | 2.542%        |
| 21        | 13.763      | 1880          | 1883        | 1889         | rVB      | 150696         | 200988        | 7.93%           | 1.188%        |
| 22        | 13.998      | 1916          | 1923        | 1934         | rBV      | 345775         | 504221        | 19.90%          | 2.980%        |
| 23        | 14.310      | 1969          | 1976        | 1982         | rBV2     | 683718         | 1018603       | 40.20%          | 6.020%        |
| 24        | 14.369      | 1982          | 1986        | 1991         | rVB      | 21906          | 30747         | 1.21%           | 0.182%        |
| 25        | 14.510      | 2004          | 2010        | 2017         | rBV      | 117110         | 161264        | 6.36%           | 0.953%        |
| 26        | 14.710      | 2040          | 2044        | 2046         | rVV2     | 6758           | 9539          | 0.38%           | 0.056%        |
| 27        | 15.157      | 2117          | 2120        | 2124         | rVB      | 7421           | 7938          | 0.31%           | 0.047%        |
| 28        | 15.304      | 2139          | 2145        | 2150         | rBV      | 441045         | 612159        | 24.16%          | 3.618%        |
| 29        | 15.357      | 2150          | 2154        | 2162         | rVV2     | 17490          | 24042         | 0.95%           | 0.142%        |
| 30        | 15.427      | 2162          | 2166        | 2172         | rVV      | 62415          | 83330         | 3.29%           | 0.493%        |
| 31        | 15.798      | 2224          | 2229        | 2237         | rVB      | 4394           | 8117          | 0.32%           | 0.048%        |
| 32        | 16.021      | 2263          | 2267        | 2275         | rVB2     | 10735          | 18501         | 0.73%           | 0.109%        |
| 33        | 16.810      | 2398          | 2401        | 2404         | rVV      | 14551          | 17364         | 0.69%           | 0.103%        |
| 34        | 16.874      | 2408          | 2412        | 2419         | rVB      | 9592           | 14180         | 0.56%           | 0.084%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 17.057 | 2437 | 2443 | 2447 | rBV  | 819884 | 1167126 | 46.06% | 6.898% |
| 36 | 17.098 | 2447 | 2450 | 2454 | rVV  | 221496 | 277317  | 10.94% | 1.639% |
| 37 | 17.151 | 2454 | 2459 | 2464 | rVV  | 423505 | 618721  | 24.42% | 3.657% |
| 38 | 17.186 | 2464 | 2465 | 2471 | rVB  | 41267  | 37554   | 1.48%  | 0.222% |
| 39 | 17.463 | 2508 | 2512 | 2515 | rVB  | 9972   | 12190   | 0.48%  | 0.072% |
| 40 | 17.551 | 2523 | 2527 | 2530 | rBV2 | 10592  | 12867   | 0.51%  | 0.076% |
| 41 | 17.945 | 2585 | 2594 | 2597 | rBV2 | 45560  | 85909   | 3.39%  | 0.508% |
| 42 | 17.974 | 2597 | 2599 | 2604 | rVV  | 39653  | 46407   | 1.83%  | 0.274% |
| 43 | 18.057 | 2610 | 2613 | 2619 | rVV  | 10701  | 13907   | 0.55%  | 0.082% |
| 44 | 18.127 | 2619 | 2625 | 2628 | rVV2 | 36553  | 65263   | 2.58%  | 0.386% |
| 45 | 18.157 | 2628 | 2630 | 2635 | rVB  | 18379  | 23080   | 0.91%  | 0.136% |
| 46 | 18.239 | 2640 | 2644 | 2648 | rBV3 | 6726   | 9111    | 0.36%  | 0.054% |
| 47 | 18.433 | 2673 | 2677 | 2681 | rBV  | 18673  | 25112   | 0.99%  | 0.148% |
| 48 | 18.480 | 2681 | 2685 | 2689 | rVB4 | 9325   | 14858   | 0.59%  | 0.088% |
| 49 | 18.527 | 2689 | 2693 | 2697 | rBV2 | 20891  | 26810   | 1.06%  | 0.158% |
| 50 | 18.680 | 2716 | 2719 | 2722 | rBV2 | 5723   | 6861    | 0.27%  | 0.041% |
| 51 | 18.757 | 2730 | 2732 | 2737 | rVB3 | 11364  | 12934   | 0.51%  | 0.076% |
| 52 | 18.851 | 2744 | 2748 | 2751 | rBV3 | 14189  | 18920   | 0.75%  | 0.112% |
| 53 | 18.915 | 2755 | 2759 | 2762 | rBV5 | 7545   | 10002   | 0.39%  | 0.059% |
| 54 | 19.004 | 2767 | 2774 | 2775 | rBV4 | 14527  | 27063   | 1.07%  | 0.160% |
| 55 | 19.115 | 2789 | 2793 | 2799 | rVB  | 242295 | 322918  | 12.74% | 1.909% |
| 56 | 19.227 | 2807 | 2812 | 2815 | rBV4 | 5710   | 10035   | 0.40%  | 0.059% |
| 57 | 19.362 | 2828 | 2835 | 2838 | rBV2 | 8807   | 15675   | 0.62%  | 0.093% |
| 58 | 19.457 | 2844 | 2851 | 2854 | rBV  | 494421 | 767309  | 30.28% | 4.535% |
| 59 | 19.480 | 2854 | 2855 | 2864 | rVV  | 242716 | 245678  | 9.70%  | 1.452% |
| 60 | 19.557 | 2864 | 2868 | 2875 | rVV3 | 14747  | 26270   | 1.04%  | 0.155% |
| 61 | 19.627 | 2875 | 2880 | 2881 | rVV2 | 5954   | 9004    | 0.36%  | 0.053% |
| 62 | 19.662 | 2883 | 2886 | 2891 | rVV2 | 15123  | 24198   | 0.95%  | 0.143% |
| 63 | 19.715 | 2892 | 2895 | 2898 | rVV4 | 6632   | 10032   | 0.40%  | 0.059% |
| 64 | 19.815 | 2906 | 2912 | 2918 | rVB3 | 14375  | 31711   | 1.25%  | 0.187% |
| 65 | 19.892 | 2923 | 2925 | 2928 | rBV3 | 8572   | 9568    | 0.38%  | 0.057% |
| 66 | 19.945 | 2929 | 2934 | 2935 | rVV5 | 9435   | 13111   | 0.52%  | 0.077% |
| 67 | 19.980 | 2935 | 2940 | 2947 | rVB  | 36969  | 68064   | 2.69%  | 0.402% |
| 68 | 20.080 | 2953 | 2957 | 2961 | rBV  | 24255  | 29767   | 1.17%  | 0.176% |
| 69 | 20.139 | 2961 | 2967 | 2970 | rBV3 | 21609  | 34315   | 1.35%  | 0.203% |
| 70 | 20.180 | 2971 | 2974 | 2977 | rVB3 | 7116   | 8500    | 0.34%  | 0.050% |
| 71 | 20.280 | 2987 | 2991 | 2995 | rVV  | 13697  | 20955   | 0.83%  | 0.124% |

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|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 20.327 | 2995 | 2999 | 3003 | rVB  | 15799  | 22785   | 0.90%  | 0.135% |
| 73  | 20.433 | 3012 | 3017 | 3025 | rBV6 | 11564  | 21432   | 0.85%  | 0.127% |
| 74  | 20.609 | 3044 | 3047 | 3051 | rVV3 | 7179   | 13197   | 0.52%  | 0.078% |
| 75  | 20.733 | 3064 | 3068 | 3072 | rVB3 | 10992  | 16004   | 0.63%  | 0.095% |
| 76  | 20.892 | 3092 | 3095 | 3099 | rVB  | 14737  | 18547   | 0.73%  | 0.110% |
| 77  | 20.933 | 3099 | 3102 | 3104 | rBV2 | 15773  | 19691   | 0.78%  | 0.116% |
| 78  | 20.962 | 3104 | 3107 | 3114 | rVB4 | 60604  | 98090   | 3.87%  | 0.580% |
| 79  | 21.251 | 3149 | 3156 | 3160 | rBV  | 892720 | 1245397 | 49.15% | 7.361% |
| 80  | 21.286 | 3160 | 3162 | 3169 | rVV  | 99325  | 110971  | 4.38%  | 0.656% |
| 81  | 21.368 | 3172 | 3176 | 3177 | rBV3 | 9442   | 14045   | 0.55%  | 0.083% |
| 82  | 21.398 | 3179 | 3181 | 3188 | rVB  | 21655  | 28864   | 1.14%  | 0.171% |
| 83  | 21.562 | 3205 | 3209 | 3214 | rVB5 | 16328  | 27782   | 1.10%  | 0.164% |
| 84  | 21.750 | 3237 | 3241 | 3244 | rBV2 | 41044  | 48985   | 1.93%  | 0.290% |
| 85  | 21.792 | 3245 | 3248 | 3251 | rVV  | 21236  | 30814   | 1.22%  | 0.182% |
| 86  | 21.851 | 3255 | 3258 | 3262 | rVV5 | 23272  | 36580   | 1.44%  | 0.216% |
| 87  | 21.898 | 3262 | 3266 | 3271 | rVB3 | 54350  | 78426   | 3.10%  | 0.464% |
| 88  | 22.050 | 3288 | 3292 | 3295 | rBV4 | 21677  | 30072   | 1.19%  | 0.178% |
| 89  | 22.209 | 3316 | 3319 | 3321 | rBV3 | 11805  | 15233   | 0.60%  | 0.090% |
| 90  | 22.239 | 3321 | 3324 | 3327 | rVV3 | 20073  | 31924   | 1.26%  | 0.189% |
| 91  | 22.274 | 3328 | 3330 | 3335 | rVB4 | 31061  | 44914   | 1.77%  | 0.265% |
| 92  | 22.556 | 3374 | 3378 | 3382 | rBV7 | 11426  | 16289   | 0.64%  | 0.096% |
| 93  | 22.692 | 3398 | 3401 | 3406 | rVB4 | 15955  | 22085   | 0.87%  | 0.131% |
| 94  | 22.803 | 3413 | 3420 | 3425 | rBV2 | 65600  | 155022  | 6.12%  | 0.916% |
| 95  | 22.968 | 3445 | 3448 | 3453 | rVB3 | 16392  | 23747   | 0.94%  | 0.140% |
| 96  | 23.274 | 3496 | 3500 | 3504 | rBV  | 38463  | 65725   | 2.59%  | 0.388% |
| 97  | 23.327 | 3504 | 3509 | 3514 | rVV  | 244447 | 446571  | 17.62% | 2.639% |
| 98  | 23.374 | 3514 | 3517 | 3522 | rVB  | 59716  | 95023   | 3.75%  | 0.562% |
| 99  | 23.468 | 3526 | 3533 | 3539 | rBV  | 475778 | 915048  | 36.11% | 5.408% |
| 100 | 25.703 | 3907 | 3913 | 3923 | rVB3 | 28328  | 81357   | 3.21%  | 0.481% |

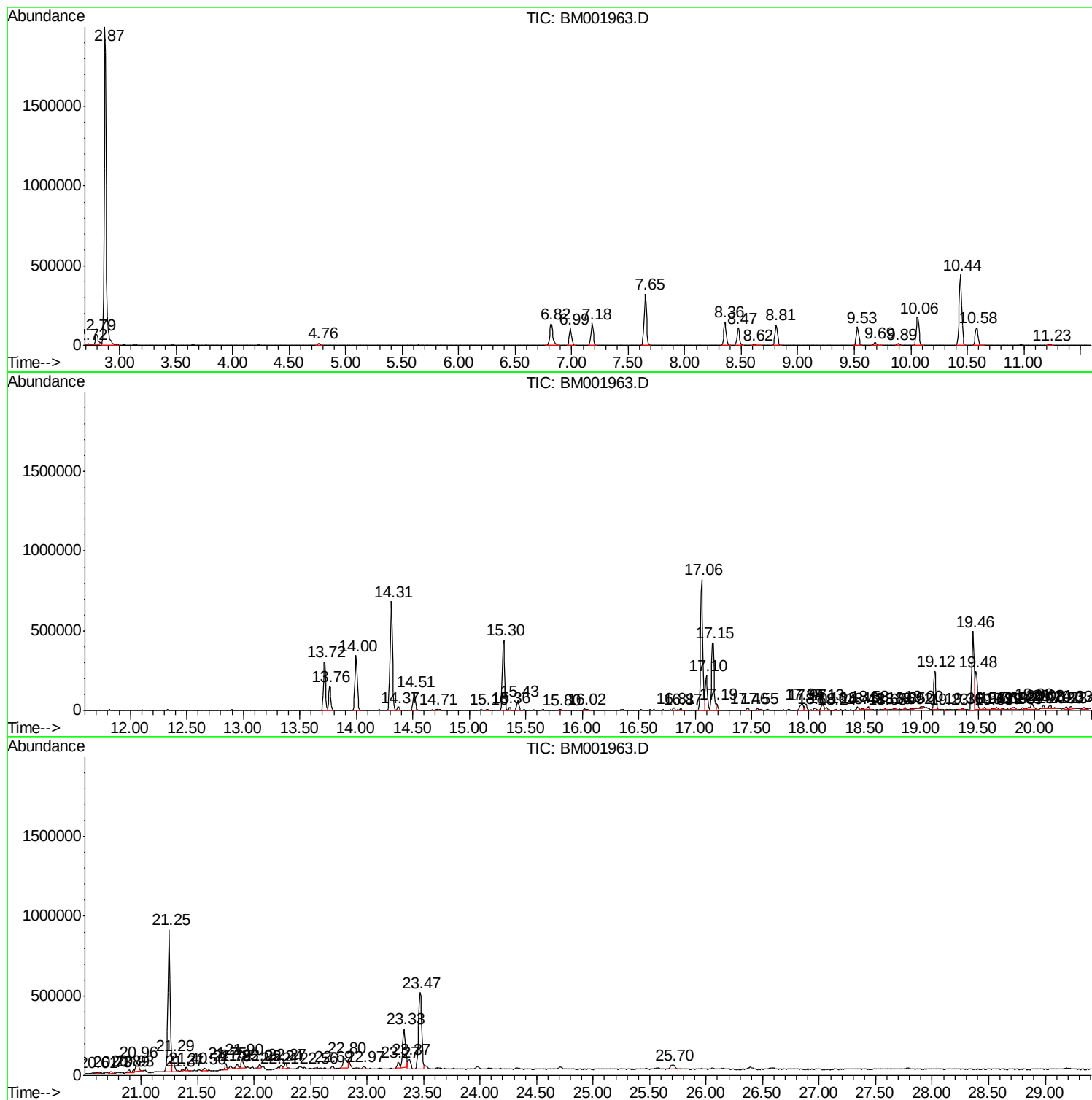
Sum of corrected areas: 16919255

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

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



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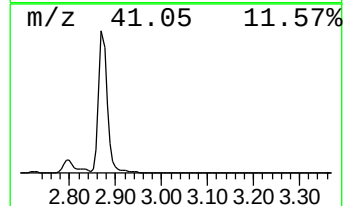
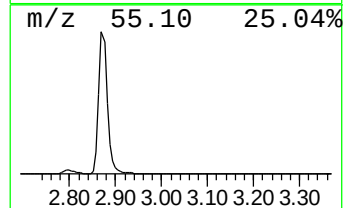
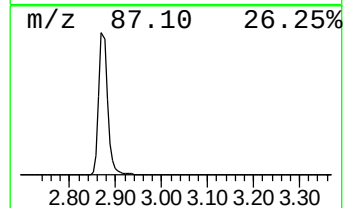
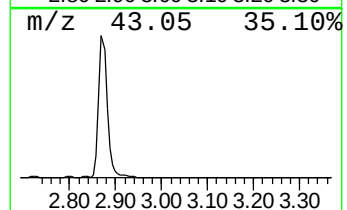
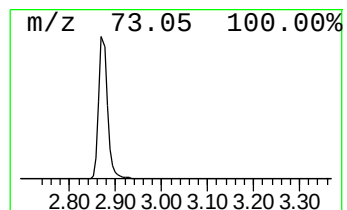
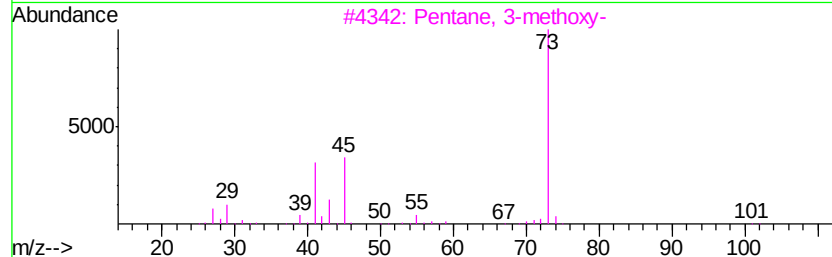
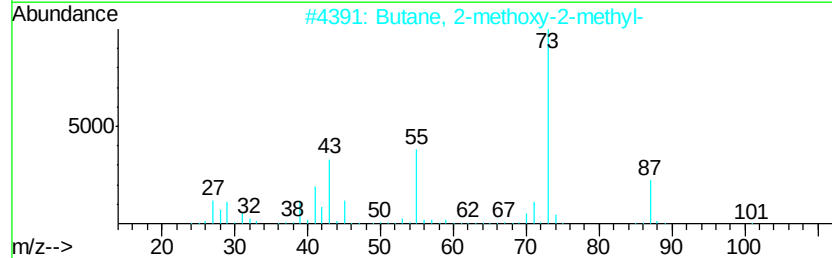
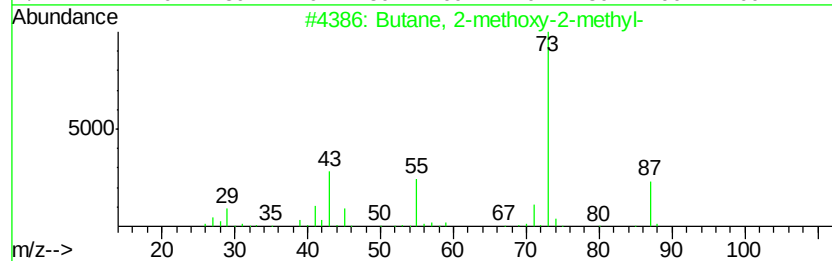
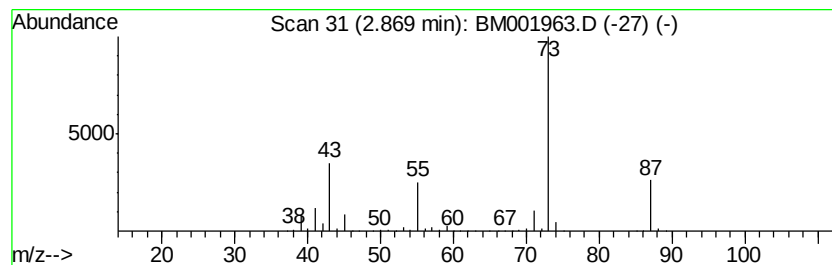
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc      | Area    | Relative to ISTD       | R.T. |
|------|--------------|---------|------------------------|------|
| 2.87 | 101.88 ng/ul | 2533890 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 74   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 2.87 | 101.9   | ng/ul | 2533890  | 1                     | 7.65 | 497428 | 20.0 |