

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071315\  
 Data File : BG017852.D  
 Acq On : 14 Jul 2015 9:45  
 Operator : TP/UM  
 Sample : G2938-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C01X4

## 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\_G\METHODS\SOM02.2-EPA-BG070915.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         | 2.799       | 15            | 19          | 26           | rVB2     | 76116          | 132306        | 7.06%           | 0.675%        |
| 2         | 2.869       | 26            | 31          | 41           | rVB      | 947762         | 1370621       | 73.11%          | 6.997%        |
| 3         | 6.471       | 642           | 644         | 645          | rBV      | 5711           | 3750          | 0.20%           | 0.019%        |
| 4         | 6.764       | 689           | 694         | 704          | rVB2     | 94971          | 151297        | 8.07%           | 0.772%        |
| 5         | 6.935       | 717           | 723         | 729          | rBV      | 269297         | 426381        | 22.74%          | 2.177%        |
| 6         | 7.123       | 749           | 755         | 765          | rVB      | 294097         | 465946        | 24.85%          | 2.379%        |
| 7         | 7.587       | 826           | 834         | 841          | rBV      | 282950         | 457680        | 24.41%          | 2.336%        |
| 8         | 7.722       | 855           | 857         | 860          | rBV3     | 3080           | 3215          | 0.17%           | 0.016%        |
| 9         | 7.781       | 865           | 867         | 870          | rVB4     | 2445           | 2809          | 0.15%           | 0.014%        |
| 10        | 7.816       | 870           | 873         | 876          | rBV3     | 3504           | 4365          | 0.23%           | 0.022%        |
| 11        | 8.139       | 926           | 928         | 930          | rVB      | 3527           | 2715          | 0.14%           | 0.014%        |
| 12        | 8.163       | 930           | 932         | 934          | rBV3     | 3317           | 2647          | 0.14%           | 0.014%        |
| 13        | 8.292       | 948           | 954         | 964          | rBV      | 229803         | 369505        | 19.71%          | 1.886%        |
| 14        | 8.363       | 964           | 966         | 969          | rVV3     | 3098           | 4103          | 0.22%           | 0.021%        |
| 15        | 8.739       | 1022          | 1030        | 1038         | rBV      | 333471         | 547523        | 29.21%          | 2.795%        |
| 16        | 8.844       | 1047          | 1048        | 1053         | rVB4     | 2101           | 2803          | 0.15%           | 0.014%        |
| 17        | 9.455       | 1145          | 1152        | 1159         | rVV      | 238453         | 389451        | 20.77%          | 1.988%        |
| 18        | 9.502       | 1159          | 1160        | 1164         | rVV3     | 4397           | 4569          | 0.24%           | 0.023%        |
| 19        | 9.544       | 1164          | 1167        | 1173         | rVB6     | 2139           | 3805          | 0.20%           | 0.019%        |
| 20        | 9.990       | 1234          | 1243        | 1251         | rBV      | 356912         | 584933        | 31.20%          | 2.986%        |
| 21        | 10.366      | 1299          | 1307        | 1315         | rBV      | 421210         | 699986        | 37.34%          | 3.573%        |
| 22        | 10.513      | 1326          | 1332        | 1340         | rVB3     | 20260          | 36095         | 1.93%           | 0.184%        |
| 23        | 10.766      | 1373          | 1375        | 1379         | rBV3     | 2343           | 3085          | 0.16%           | 0.016%        |
| 24        | 10.924      | 1397          | 1402        | 1406         | rBV4     | 1987           | 3336          | 0.18%           | 0.017%        |
| 25        | 11.177      | 1440          | 1445        | 1450         | rVB5     | 2513           | 4921          | 0.26%           | 0.025%        |
| 26        | 11.441      | 1486          | 1490        | 1492         | rBV4     | 1735           | 2528          | 0.13%           | 0.013%        |
| 27        | 11.864      | 1560          | 1562        | 1568         | rVV2     | 2000           | 4060          | 0.22%           | 0.021%        |
| 28        | 12.593      | 1683          | 1686        | 1690         | rVV5     | 3673           | 4985          | 0.27%           | 0.025%        |
| 29        | 12.846      | 1724          | 1729        | 1733         | rBV4     | 5792           | 10513         | 0.56%           | 0.054%        |
| 30        | 13.210      | 1787          | 1791        | 1795         | rBV5     | 3766           | 6383          | 0.34%           | 0.033%        |
| 31        | 13.662      | 1860          | 1868        | 1877         | rBV      | 752519         | 986595        | 52.63%          | 5.036%        |
| 32        | 13.933      | 1907          | 1914        | 1922         | rVV      | 801758         | 1198369       | 63.92%          | 6.117%        |
| 33        | 14.244      | 1960          | 1967        | 1976         | rVB2     | 605589         | 909282        | 48.50%          | 4.642%        |
| 34        | 14.450      | 1995          | 2002        | 2008         | rBV      | 66503          | 106700        | 5.69%           | 0.545%        |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 14.614 | 2028 | 2030 | 2033 | rBV4 | 2544    | 2633    | 0.14%   | 0.013% |
| 36 | 14.779 | 2054 | 2058 | 2063 | rVB4 | 1406    | 3242    | 0.17%   | 0.017% |
| 37 | 15.243 | 2131 | 2137 | 2143 | rBV  | 1104760 | 1497186 | 79.86%  | 7.643% |
| 38 | 15.366 | 2152 | 2158 | 2164 | rBV  | 264806  | 360439  | 19.23%  | 1.840% |
| 39 | 15.484 | 2172 | 2178 | 2184 | rBV4 | 5564    | 9709    | 0.52%   | 0.050% |
| 40 | 16.200 | 2298 | 2300 | 2307 | rVB2 | 1866    | 3298    | 0.18%   | 0.017% |
| 41 | 16.688 | 2378 | 2383 | 2386 | rBV6 | 1695    | 3268    | 0.17%   | 0.017% |
| 42 | 16.776 | 2396 | 2398 | 2404 | rVB3 | 3659    | 4993    | 0.27%   | 0.025% |
| 43 | 17.000 | 2430 | 2436 | 2446 | rVV2 | 745725  | 1062003 | 56.65%  | 5.421% |
| 44 | 17.094 | 2446 | 2452 | 2462 | rVV  | 1219876 | 1657793 | 88.43%  | 8.463% |
| 45 | 17.193 | 2466 | 2469 | 2473 | rVV3 | 2016    | 2803    | 0.15%   | 0.014% |
| 46 | 17.240 | 2475 | 2477 | 2480 | rVB3 | 2744    | 2660    | 0.14%   | 0.014% |
| 47 | 17.305 | 2485 | 2488 | 2493 | rVB2 | 1830    | 2815    | 0.15%   | 0.014% |
| 48 | 17.440 | 2508 | 2511 | 2515 | rBV5 | 1418    | 2595    | 0.14%   | 0.013% |
| 49 | 17.769 | 2564 | 2567 | 2570 | rVB2 | 2000    | 2563    | 0.14%   | 0.013% |
| 50 | 17.910 | 2588 | 2591 | 2598 | rBV6 | 24020   | 33600   | 1.79%   | 0.172% |
| 51 | 17.981 | 2598 | 2603 | 2604 | rBV6 | 1886    | 3053    | 0.16%   | 0.016% |
| 52 | 18.386 | 2668 | 2672 | 2674 | rBV4 | 2894    | 3002    | 0.16%   | 0.015% |
| 53 | 19.203 | 2807 | 2811 | 2816 | rVV5 | 16852   | 21447   | 1.14%   | 0.109% |
| 54 | 19.285 | 2823 | 2825 | 2831 | rVB3 | 8777    | 11719   | 0.63%   | 0.060% |
| 55 | 19.403 | 2839 | 2845 | 2852 | rBV  | 1407231 | 1874709 | 100.00% | 9.570% |
| 56 | 19.450 | 2852 | 2853 | 2857 | rVB3 | 3502    | 3318    | 0.18%   | 0.017% |
| 57 | 19.520 | 2863 | 2865 | 2869 | rVB5 | 2324    | 2787    | 0.15%   | 0.014% |
| 58 | 19.714 | 2894 | 2898 | 2900 | rBV4 | 2520    | 2849    | 0.15%   | 0.015% |
| 59 | 19.908 | 2929 | 2931 | 2934 | rBV  | 2145    | 2941    | 0.16%   | 0.015% |
| 60 | 20.008 | 2946 | 2948 | 2949 | rBV2 | 4974    | 3777    | 0.20%   | 0.019% |
| 61 | 20.025 | 2949 | 2951 | 2954 | rVB3 | 3632    | 3884    | 0.21%   | 0.020% |
| 62 | 20.055 | 2954 | 2956 | 2960 | rBV3 | 3780    | 5949    | 0.32%   | 0.030% |
| 63 | 20.155 | 2971 | 2973 | 2976 | rBV3 | 3261    | 2706    | 0.14%   | 0.014% |
| 64 | 20.290 | 2994 | 2996 | 3000 | rBV4 | 1585    | 2610    | 0.14%   | 0.013% |
| 65 | 20.349 | 3002 | 3006 | 3007 | rBV4 | 3250    | 4682    | 0.25%   | 0.024% |
| 66 | 20.607 | 3048 | 3050 | 3054 | rBV3 | 3239    | 3236    | 0.17%   | 0.017% |
| 67 | 21.001 | 3112 | 3117 | 3122 | rBV5 | 9765    | 16345   | 0.87%   | 0.083% |
| 68 | 21.201 | 3144 | 3151 | 3161 | rBV  | 894704  | 1169209 | 62.37%  | 5.969% |
| 69 | 21.347 | 3172 | 3176 | 3178 | rBV4 | 3367    | 4033    | 0.22%   | 0.021% |
| 70 | 21.506 | 3200 | 3203 | 3204 | rBV3 | 2836    | 2962    | 0.16%   | 0.015% |
| 71 | 21.530 | 3204 | 3207 | 3210 | rBV5 | 3061    | 4628    | 0.25%   | 0.024% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
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|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 21.618 | 3218 | 3222 | 3223 | rBV4 | 4461   | 3549    | 0.19%  | 0.018% |
| 73  | 22.252 | 3328 | 3330 | 3331 | rBV2 | 5083   | 2663    | 0.14%  | 0.014% |
| 74  | 22.370 | 3348 | 3350 | 3352 | rBV3 | 5532   | 4668    | 0.25%  | 0.024% |
| 75  | 22.458 | 3363 | 3365 | 3366 | rBV2 | 4362   | 2781    | 0.15%  | 0.014% |
| 76  | 22.687 | 3398 | 3404 | 3407 | rBV5 | 10580  | 18284   | 0.98%  | 0.093% |
| 77  | 22.746 | 3413 | 3414 | 3416 | rBV3 | 3812   | 2608    | 0.14%  | 0.013% |
| 78  | 23.275 | 3496 | 3504 | 3514 | rBV  | 900041 | 1664068 | 88.76% | 8.495% |
| 79  | 23.416 | 3521 | 3528 | 3539 | rVB  | 590380 | 1098908 | 58.62% | 5.610% |
| 80  | 23.833 | 3597 | 3599 | 3602 | rBV4 | 3705   | 4576    | 0.24%  | 0.023% |
| 81  | 23.968 | 3619 | 3622 | 3624 | rBV4 | 5023   | 7595    | 0.41%  | 0.039% |
| 82  | 24.262 | 3670 | 3672 | 3675 | rBV4 | 5096   | 4939    | 0.26%  | 0.025% |
| 83  | 25.425 | 3869 | 3870 | 3873 | rVB3 | 4577   | 3431    | 0.18%  | 0.018% |
| 84  | 25.525 | 3885 | 3887 | 3889 | rBV3 | 3632   | 3340    | 0.18%  | 0.017% |
| 85  | 25.866 | 3942 | 3945 | 3947 | rBV4 | 4308   | 4483    | 0.24%  | 0.023% |
| 86  | 25.895 | 3948 | 3950 | 3953 | rVB4 | 5045   | 3493    | 0.19%  | 0.018% |
| 87  | 25.924 | 3953 | 3955 | 3958 | rBV3 | 3314   | 3041    | 0.16%  | 0.016% |
| 88  | 26.089 | 3981 | 3983 | 3984 | rBV  | 3239   | 2938    | 0.16%  | 0.015% |
| 89  | 26.154 | 3991 | 3994 | 3997 | rBV4 | 4631   | 4446    | 0.24%  | 0.023% |
| 90  | 26.212 | 4003 | 4004 | 4007 | rBV3 | 4744   | 3443    | 0.18%  | 0.018% |
| 91  | 26.236 | 4007 | 4008 | 4010 | rVB2 | 5488   | 2936    | 0.16%  | 0.015% |
| 92  | 26.259 | 4010 | 4012 | 4014 | rBV3 | 4600   | 3175    | 0.17%  | 0.016% |
| 93  | 26.389 | 4032 | 4034 | 4035 | rBV2 | 4309   | 3413    | 0.18%  | 0.017% |
| 94  | 26.471 | 4046 | 4048 | 4050 | rVB3 | 4878   | 3220    | 0.17%  | 0.016% |
| 95  | 26.941 | 4125 | 4128 | 4132 | rBV3 | 4487   | 7600    | 0.41%  | 0.039% |
| 96  | 26.976 | 4132 | 4134 | 4135 | rVV2 | 4201   | 2877    | 0.15%  | 0.015% |
| 97  | 27.011 | 4138 | 4140 | 4143 | rVV4 | 5878   | 5325    | 0.28%  | 0.027% |
| 98  | 27.258 | 4181 | 4182 | 4185 | rVB3 | 3726   | 2497    | 0.13%  | 0.013% |
| 99  | 28.703 | 4426 | 4428 | 4430 | rBV3 | 4325   | 3334    | 0.18%  | 0.017% |
| 100 | 29.138 | 4500 | 4502 | 4505 | rVB4 | 3812   | 2869    | 0.15%  | 0.015% |

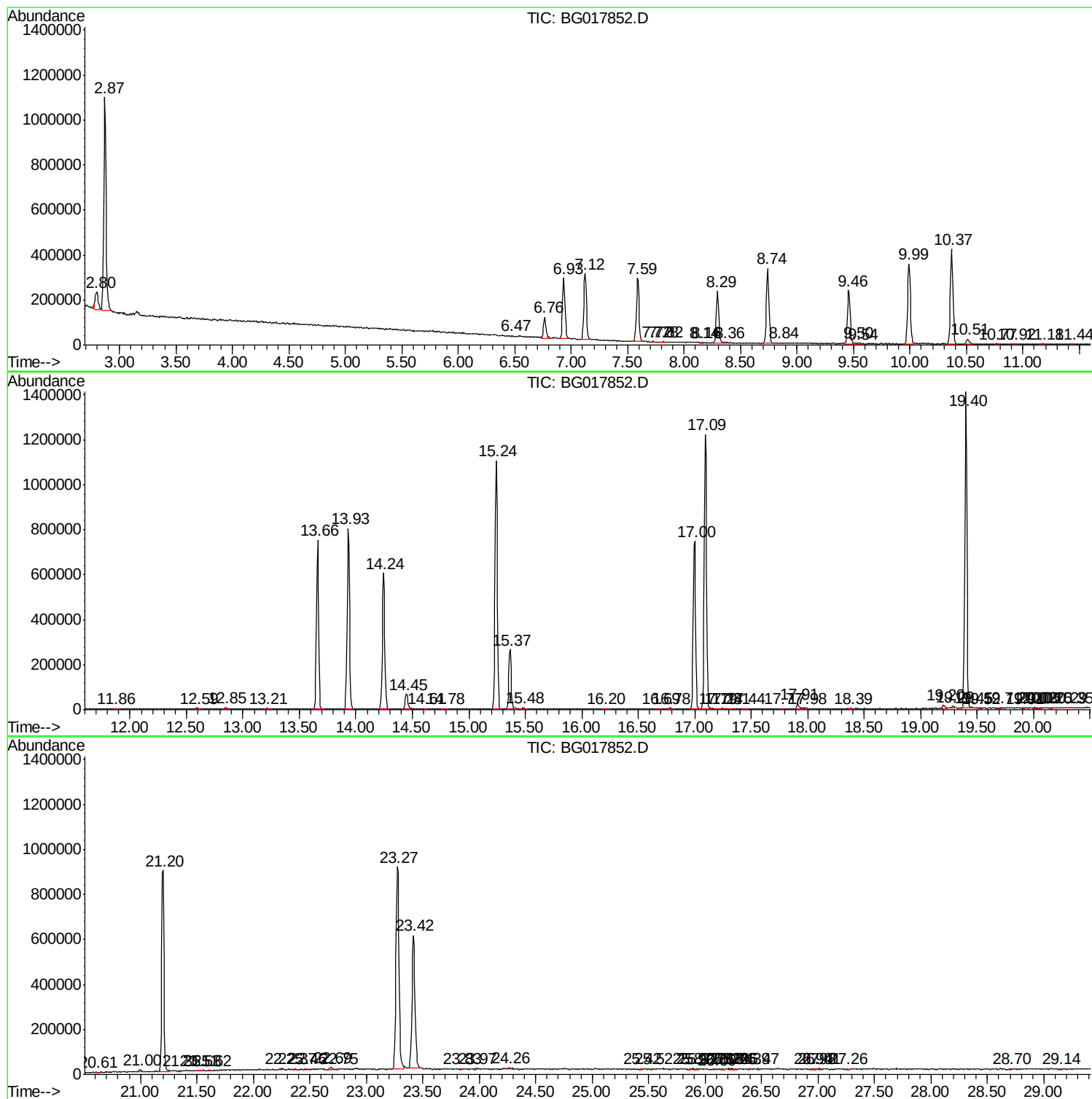
Sum of corrected areas: 19589208

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
Quant Title : SVOA CALIBRATION

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



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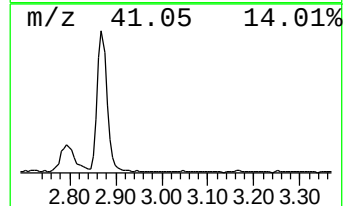
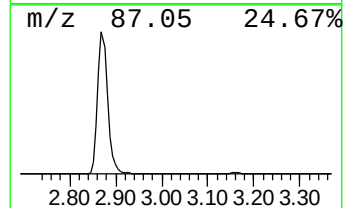
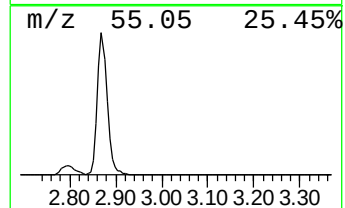
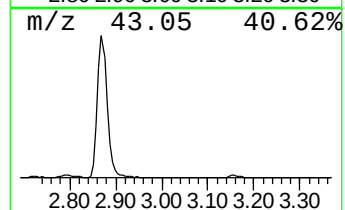
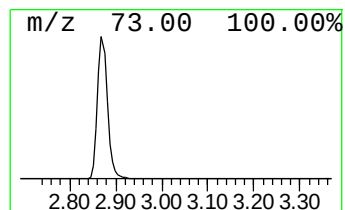
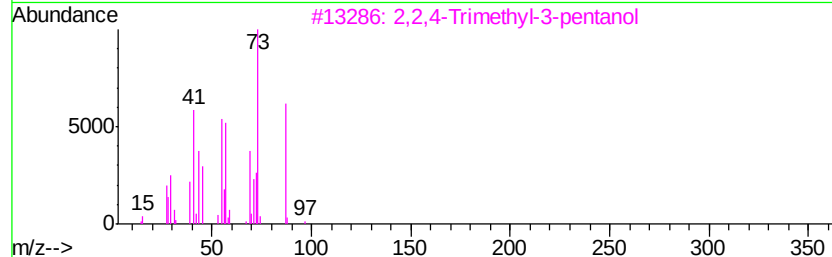
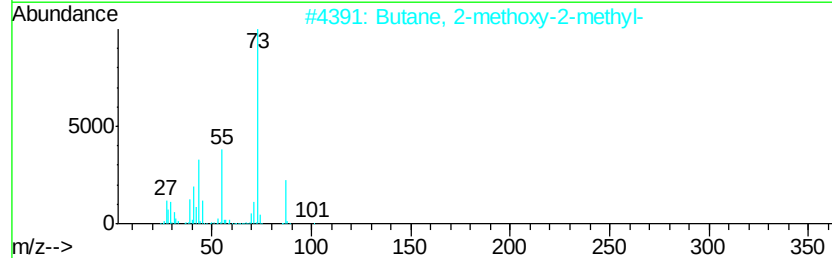
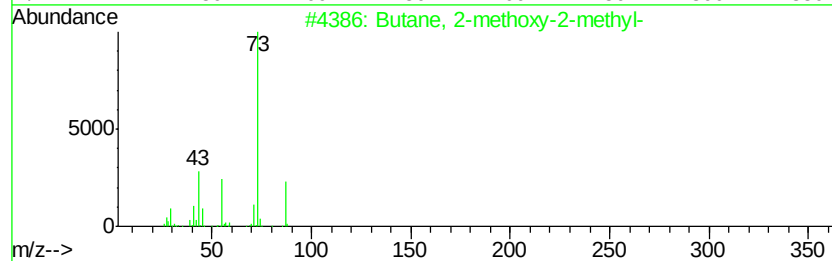
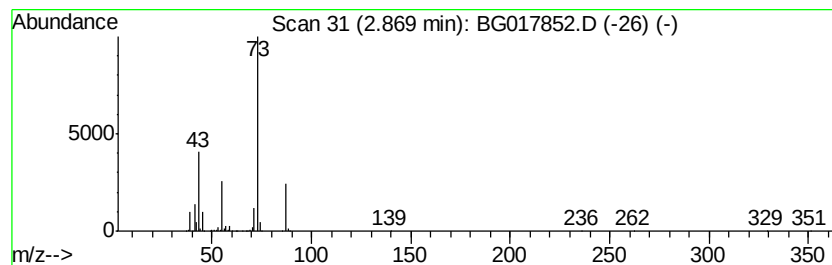
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 2.87 | 59.89 ng/ul | 1370620 | 1,4-Dichlorobenzene-d4 | 7.59 |

| 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 | 56   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 50   |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 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... | 2.87 | 59.9    | ng/ul | 1370620  | 1                     | 7.59 | 457680 | 20.0 |