

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\  
 Data File : BG020788.D  
 Acq On : 4 Feb 2016 15:51  
 Operator : SJ/IZ  
 Sample : H1334-16  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BBG13

## 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-BG012716.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         | 3.032       | 30            | 33          | 39           | rVB4     | 3137           | 4676          | 1.41%           | 0.106%        |
| 2         | 3.261       | 66            | 72          | 81           | rBV      | 78493          | 151870        | 45.66%          | 3.441%        |
| 3         | 3.337       | 81            | 85          | 98           | rVB      | 97707          | 149147        | 44.85%          | 3.380%        |
| 4         | 3.619       | 129           | 133         | 137          | rVB2     | 1440           | 2208          | 0.66%           | 0.050%        |
| 5         | 4.060       | 206           | 208         | 210          | rVV2     | 821            | 772           | 0.23%           | 0.017%        |
| 6         | 4.159       | 219           | 225         | 230          | rVB3     | 2334           | 3730          | 1.12%           | 0.085%        |
| 7         | 4.300       | 248           | 249         | 257          | rBV2     | 471            | 813           | 0.24%           | 0.018%        |
| 8         | 4.388       | 261           | 264         | 268          | rVB3     | 516            | 690           | 0.21%           | 0.016%        |
| 9         | 4.606       | 299           | 301         | 306          | rVB      | 1777           | 2333          | 0.70%           | 0.053%        |
| 10        | 4.794       | 330           | 333         | 336          | rBV2     | 588            | 973           | 0.29%           | 0.022%        |
| 11        | 5.035       | 369           | 374         | 377          | rBV2     | 1228           | 1308          | 0.39%           | 0.030%        |
| 12        | 5.328       | 420           | 424         | 430          | rBV2     | 2226           | 3488          | 1.05%           | 0.079%        |
| 13        | 7.414       | 773           | 779         | 787          | rVB      | 39877          | 67588         | 20.32%          | 1.531%        |
| 14        | 7.590       | 803           | 809         | 819          | rBB      | 38688          | 62769         | 18.87%          | 1.422%        |
| 15        | 7.802       | 838           | 845         | 852          | rVB      | 43420          | 72203         | 21.71%          | 1.636%        |
| 16        | 8.277       | 919           | 926         | 933          | rBV      | 62888          | 102468        | 30.81%          | 2.322%        |
| 17        | 8.971       | 1036          | 1044        | 1053         | rBV      | 55757          | 92770         | 27.89%          | 2.102%        |
| 18        | 9.446       | 1118          | 1125        | 1131         | rBV      | 38750          | 66941         | 20.13%          | 1.517%        |
| 19        | 9.846       | 1190          | 1193        | 1195         | rVB2     | 843            | 865           | 0.26%           | 0.020%        |
| 20        | 10.175      | 1241          | 1249        | 1257         | rVB      | 23894          | 39386         | 11.84%          | 0.892%        |
| 21        | 10.709      | 1334          | 1340        | 1352         | rBV      | 54825          | 96810         | 29.11%          | 2.194%        |
| 22        | 11.103      | 1400          | 1407        | 1414         | rBV      | 104790         | 181744        | 54.65%          | 4.118%        |
| 23        | 11.226      | 1421          | 1428        | 1436         | rBV      | 51479          | 91677         | 27.57%          | 2.077%        |
| 24        | 12.548      | 1648          | 1653        | 1657         | rBB      | 884            | 1157          | 0.35%           | 0.026%        |
| 25        | 12.660      | 1670          | 1672        | 1677         | rBB2     | 867            | 1138          | 0.34%           | 0.026%        |
| 26        | 12.736      | 1683          | 1685        | 1688         | rBV      | 580            | 633           | 0.19%           | 0.014%        |
| 27        | 13.259      | 1771          | 1774        | 1776         | rVB2     | 571            | 610           | 0.18%           | 0.014%        |
| 28        | 13.494      | 1811          | 1814        | 1816         | rVB3     | 605            | 641           | 0.19%           | 0.015%        |
| 29        | 13.699      | 1845          | 1849        | 1854         | rVB2     | 1049           | 1476          | 0.44%           | 0.033%        |
| 30        | 14.216      | 1934          | 1937        | 1939         | rBB2     | 686            | 647           | 0.19%           | 0.015%        |
| 31        | 14.281      | 1942          | 1948        | 1953         | rBV      | 115184         | 165374        | 49.72%          | 3.747%        |
| 32        | 14.328      | 1953          | 1956        | 1964         | rVB      | 36886          | 47416         | 14.26%          | 1.074%        |
| 33        | 14.393      | 1964          | 1967        | 1968         | rBV      | 770            | 591           | 0.18%           | 0.013%        |
| 34        | 14.586      | 1993          | 2000        | 2008         | rVB      | 143188         | 228164        | 68.60%          | 5.170%        |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG012716.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 14.763 | 2026 | 2030 | 2034 | rVB  | 6721   | 7793   | 2.34%  | 0.177% |
| 36 | 14.886 | 2045 | 2051 | 2058 | rBV2 | 163636 | 260083 | 78.20% | 5.893% |
| 37 | 14.951 | 2058 | 2062 | 2068 | rVB  | 2901   | 4213   | 1.27%  | 0.095% |
| 38 | 15.051 | 2073 | 2079 | 2086 | rBV  | 33927  | 52583  | 15.81% | 1.191% |
| 39 | 15.192 | 2101 | 2103 | 2106 | rBV2 | 782    | 1095   | 0.33%  | 0.025% |
| 40 | 15.215 | 2106 | 2107 | 2112 | rVV  | 1092   | 893    | 0.27%  | 0.020% |
| 41 | 15.280 | 2112 | 2118 | 2122 | rVV3 | 1251   | 2647   | 0.80%  | 0.060% |
| 42 | 15.374 | 2131 | 2134 | 2137 | rVV  | 1339   | 1302   | 0.39%  | 0.030% |
| 43 | 15.438 | 2143 | 2145 | 2149 | rBB  | 846    | 978    | 0.29%  | 0.022% |
| 44 | 15.661 | 2181 | 2183 | 2185 | rBV2 | 822    | 813    | 0.24%  | 0.018% |
| 45 | 15.703 | 2187 | 2190 | 2196 | rVV  | 9280   | 11921  | 3.58%  | 0.270% |
| 46 | 15.773 | 2197 | 2202 | 2206 | rVB2 | 801    | 1243   | 0.37%  | 0.028% |
| 47 | 15.873 | 2213 | 2219 | 2225 | rBV  | 185409 | 277994 | 83.59% | 6.299% |
| 48 | 15.926 | 2225 | 2228 | 2232 | rVV  | 3351   | 4821   | 1.45%  | 0.109% |
| 49 | 15.973 | 2232 | 2236 | 2241 | rVB  | 17131  | 22233  | 6.69%  | 0.504% |
| 50 | 16.108 | 2252 | 2259 | 2263 | rBV3 | 3675   | 6033   | 1.81%  | 0.137% |
| 51 | 16.149 | 2263 | 2266 | 2269 | rVB  | 684    | 729    | 0.22%  | 0.017% |
| 52 | 16.208 | 2272 | 2276 | 2281 | rBV3 | 1558   | 2274   | 0.68%  | 0.052% |
| 53 | 16.255 | 2281 | 2284 | 2292 | rVB2 | 1175   | 1891   | 0.57%  | 0.043% |
| 54 | 16.325 | 2292 | 2296 | 2299 | rVB2 | 1590   | 1776   | 0.53%  | 0.040% |
| 55 | 16.366 | 2299 | 2303 | 2305 | rBV  | 633    | 1030   | 0.31%  | 0.023% |
| 56 | 16.455 | 2315 | 2318 | 2321 | rBV  | 501    | 770    | 0.23%  | 0.017% |
| 57 | 16.560 | 2332 | 2336 | 2348 | rVV  | 9145   | 17381  | 5.23%  | 0.394% |
| 58 | 16.742 | 2365 | 2367 | 2370 | rVB  | 1063   | 761    | 0.23%  | 0.017% |
| 59 | 16.819 | 2377 | 2380 | 2382 | rBV  | 555    | 643    | 0.19%  | 0.015% |
| 60 | 16.913 | 2391 | 2396 | 2398 | rBV4 | 2056   | 3682   | 1.11%  | 0.083% |
| 61 | 16.966 | 2403 | 2405 | 2408 | rBV2 | 1522   | 1593   | 0.48%  | 0.036% |
| 62 | 16.989 | 2408 | 2409 | 2412 | rVV  | 700    | 619    | 0.19%  | 0.014% |
| 63 | 17.018 | 2412 | 2414 | 2417 | rVV  | 919    | 778    | 0.23%  | 0.018% |
| 64 | 17.065 | 2419 | 2422 | 2425 | rVV2 | 753    | 1024   | 0.31%  | 0.023% |
| 65 | 17.136 | 2429 | 2434 | 2435 | rBV  | 838    | 951    | 0.29%  | 0.022% |
| 66 | 17.195 | 2438 | 2444 | 2445 | rBV2 | 1151   | 1186   | 0.36%  | 0.027% |
| 67 | 17.248 | 2451 | 2453 | 2455 | rBV  | 743    | 828    | 0.25%  | 0.019% |
| 68 | 17.271 | 2455 | 2457 | 2459 | rBV  | 888    | 715    | 0.21%  | 0.016% |
| 69 | 17.353 | 2467 | 2471 | 2476 | rBV2 | 5677   | 7486   | 2.25%  | 0.170% |
| 70 | 17.412 | 2476 | 2481 | 2483 | rVV2 | 1995   | 2926   | 0.88%  | 0.066% |
| 71 | 17.436 | 2483 | 2485 | 2491 | rVB  | 1460   | 1950   | 0.59%  | 0.044% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG012716.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |        |         |        |
|-----|--------|------|------|------|------|--------|--------|---------|--------|
| 72  | 17.512 | 2493 | 2498 | 2500 | rBV  | 734    | 1081   | 0.33%   | 0.024% |
| 73  | 17.624 | 2510 | 2517 | 2521 | rBV2 | 178370 | 274755 | 82.61%  | 6.226% |
| 74  | 17.665 | 2521 | 2524 | 2528 | rVV  | 46897  | 62240  | 18.71%  | 1.410% |
| 75  | 17.718 | 2528 | 2533 | 2543 | rVB2 | 172004 | 280182 | 84.25%  | 6.349% |
| 76  | 17.806 | 2545 | 2548 | 2551 | rBV  | 726    | 926    | 0.28%   | 0.021% |
| 77  | 17.876 | 2558 | 2560 | 2561 | rBV  | 719    | 571    | 0.17%   | 0.013% |
| 78  | 17.976 | 2573 | 2577 | 2578 | rBV2 | 984    | 1000   | 0.30%   | 0.023% |
| 79  | 18.017 | 2578 | 2584 | 2588 | rVB2 | 3924   | 7376   | 2.22%   | 0.167% |
| 80  | 18.046 | 2588 | 2589 | 2593 | rBV2 | 953    | 1227   | 0.37%   | 0.028% |
| 81  | 18.093 | 2593 | 2597 | 2599 | rVV2 | 1641   | 2379   | 0.72%   | 0.054% |
| 82  | 18.135 | 2603 | 2604 | 2606 | rVV  | 1001   | 710    | 0.21%   | 0.016% |
| 83  | 18.240 | 2619 | 2622 | 2623 | rBV2 | 503    | 584    | 0.18%   | 0.013% |
| 84  | 18.311 | 2631 | 2634 | 2639 | rBV5 | 859    | 1811   | 0.54%   | 0.041% |
| 85  | 18.481 | 2658 | 2663 | 2668 | rBV3 | 13104  | 21213  | 6.38%   | 0.481% |
| 86  | 18.540 | 2669 | 2673 | 2679 | rVB2 | 7466   | 11498  | 3.46%   | 0.261% |
| 87  | 18.616 | 2682 | 2686 | 2690 | rBV4 | 2692   | 4497   | 1.35%   | 0.102% |
| 88  | 18.687 | 2693 | 2698 | 2702 | rBV4 | 10867  | 19546  | 5.88%   | 0.443% |
| 89  | 18.775 | 2711 | 2713 | 2717 | rBV5 | 1525   | 1920   | 0.58%   | 0.044% |
| 90  | 18.904 | 2730 | 2735 | 2741 | rVB7 | 2342   | 4847   | 1.46%   | 0.110% |
| 91  | 19.022 | 2752 | 2755 | 2758 | rVB2 | 3577   | 4301   | 1.29%   | 0.097% |
| 92  | 19.110 | 2769 | 2770 | 2771 | rBV  | 1382   | 654    | 0.20%   | 0.015% |
| 93  | 19.262 | 2794 | 2796 | 2799 | rBV3 | 2935   | 3269   | 0.98%   | 0.074% |
| 94  | 19.392 | 2813 | 2818 | 2822 | rBV7 | 4262   | 8146   | 2.45%   | 0.185% |
| 95  | 19.650 | 2857 | 2862 | 2869 | rVB  | 100714 | 144058 | 43.32%  | 3.264% |
| 96  | 19.985 | 2913 | 2919 | 2922 | rBV  | 209134 | 328169 | 98.67%  | 7.436% |
| 97  | 21.512 | 3175 | 3179 | 3183 | rVB2 | 32417  | 44955  | 13.52%  | 1.019% |
| 98  | 21.900 | 3238 | 3245 | 3250 | rBV2 | 169127 | 332579 | 100.00% | 7.536% |
| 99  | 25.049 | 3774 | 3781 | 3789 | rBV  | 88361  | 216816 | 65.19%  | 4.913% |
| 100 | 25.284 | 3814 | 3821 | 3837 | rVB4 | 92353  | 279189 | 83.95%  | 6.326% |

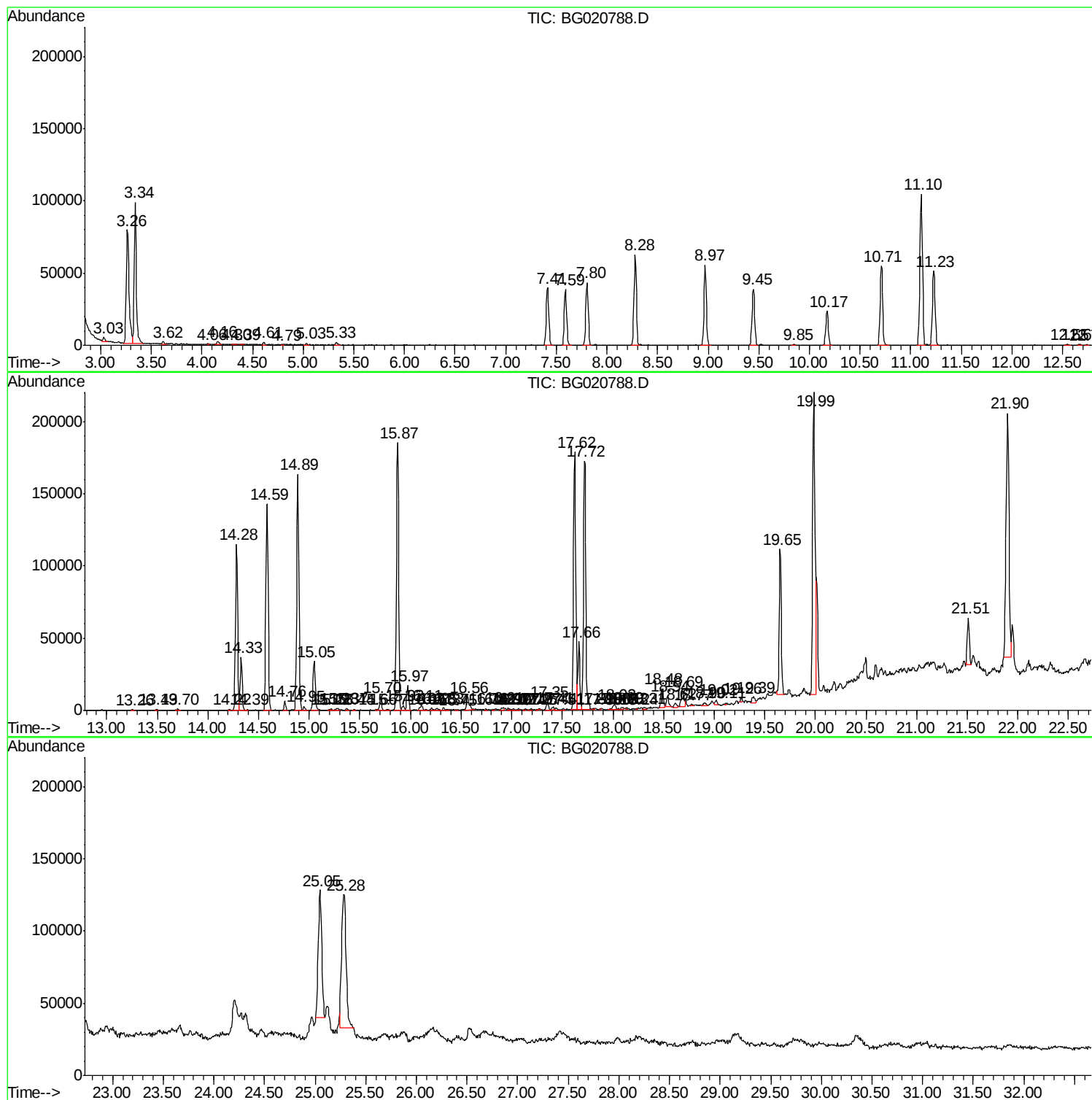
Sum of corrected areas: 4413213

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M  
Quant Title : SVOA CALIBRATION

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



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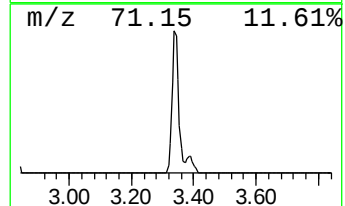
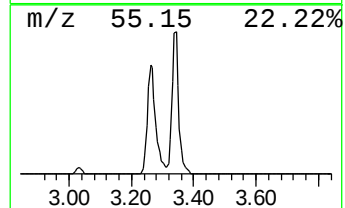
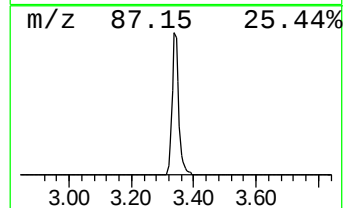
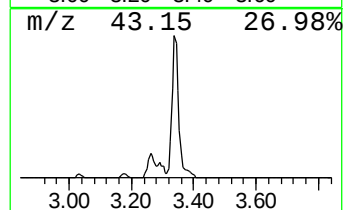
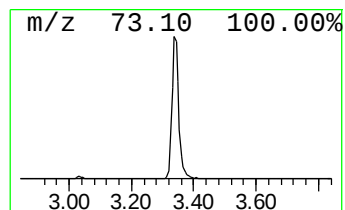
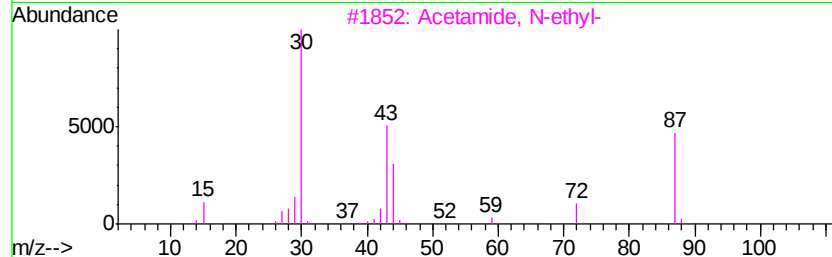
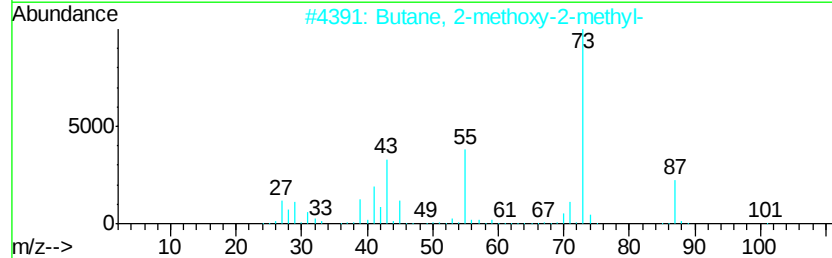
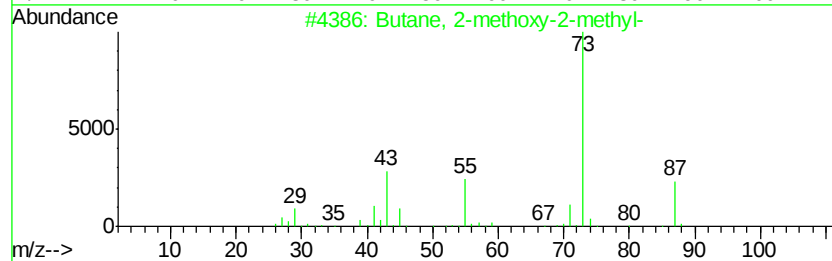
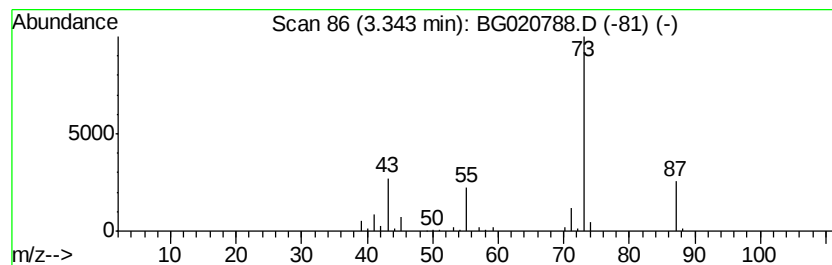
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.34 | 29.11 ng/ul | 149147 | 1,4-Dichlorobenzene-d4 | 8.28 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 90   |
| 2    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 3    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |
| 5    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |



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Quant Title : SVOA CALIBRATION

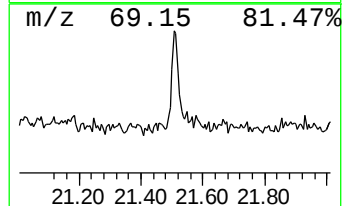
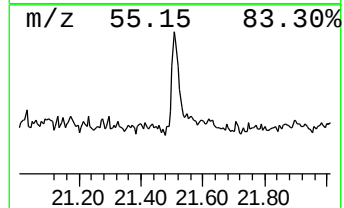
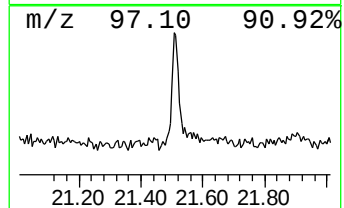
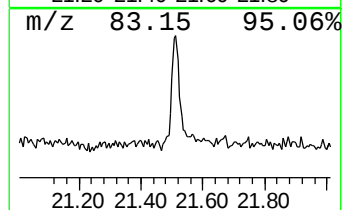
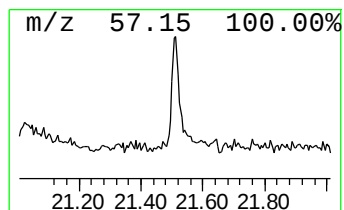
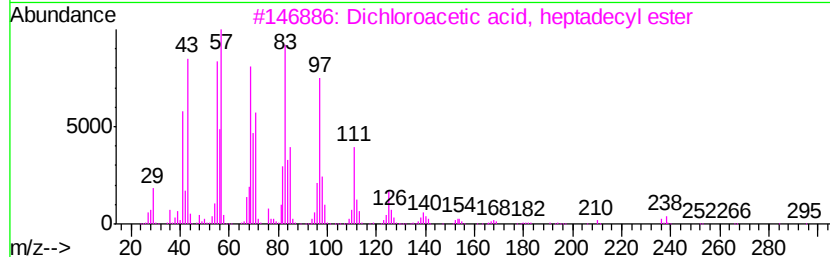
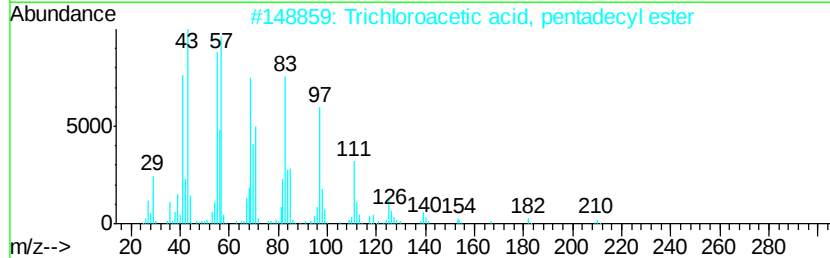
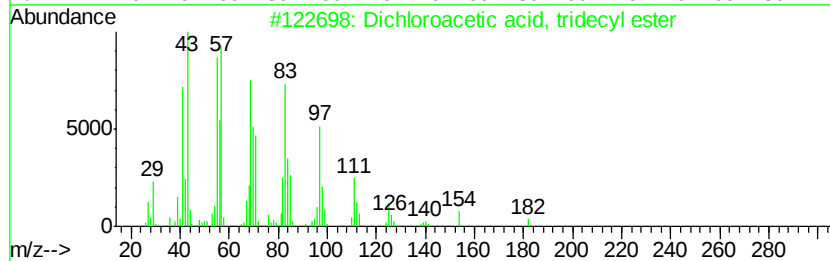
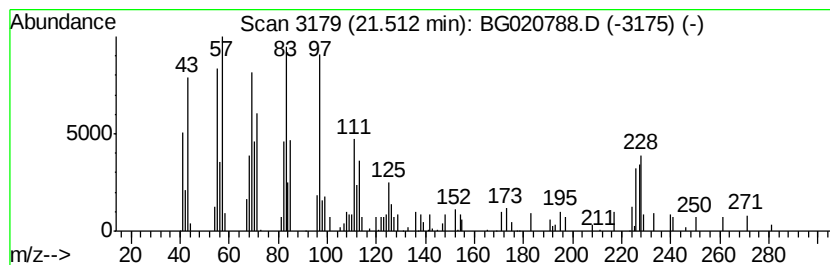
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Dichloroacetic acid, tridec... Concentration Rank 3

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 21.51 | 2.70 ng/ul | 44955 | Chrysene-d12     | 21.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Dichloroacetic acid, tridecyl ester | 310 | C15H28Cl2O2 | 1000280-48-3 | 68   |
| 2    |    | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0  | 68   |
| 3    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 64   |
| 4    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 64   |
| 5    |    | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2  | 079392-43-1  | 64   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG020416\  
Data File : BG020788.D  
Acq On : 4 Feb 2016 15:51  
Operator : SJ/IZ  
Sample : H1334-16  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BBG13

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG012716.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 3.34  | 29.1    | ng/ul | 149147   | 1                     | 8.28  | 102468 | 20.0 |
| Dichloroacetic ac... | 21.51 | 2.7     | ng/ul | 44955    | 5                     | 21.90 | 332579 | 20.0 |