

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121515\  
 Data File : BG020177.D  
 Acq On : 15 Dec 2015 6:49  
 Operator : UM/SJ  
 Sample : G4787-10  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 G9BN2

## 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-BG121415.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         | 3.126       | 44            | 49          | 58           | rVV      | 29029          | 51536         | 6.66%           | 0.621%        |
| 2         | 3.202       | 58            | 62          | 69           | rVB2     | 15248          | 22401         | 2.89%           | 0.270%        |
| 3         | 3.467       | 105           | 107         | 113          | rVB      | 4337           | 6065          | 0.78%           | 0.073%        |
| 4         | 6.851       | 680           | 683         | 686          | rBV3     | 749            | 1083          | 0.14%           | 0.013%        |
| 5         | 7.245       | 742           | 750         | 760          | rBV      | 99579          | 170604        | 22.03%          | 2.055%        |
| 6         | 7.415       | 773           | 779         | 789          | rVB      | 72920          | 121433        | 15.68%          | 1.463%        |
| 7         | 7.627       | 808           | 815         | 823          | rVB2     | 97460          | 160259        | 20.70%          | 1.931%        |
| 8         | 8.103       | 888           | 896         | 902          | rVB      | 74538          | 128097        | 16.54%          | 1.543%        |
| 9         | 8.796       | 1006          | 1014        | 1025         | rBV      | 126514         | 214218        | 27.67%          | 2.581%        |
| 10        | 9.266       | 1086          | 1094        | 1103         | rBV      | 97375          | 170123        | 21.97%          | 2.049%        |
| 11        | 9.354       | 1105          | 1109        | 1115         | rBV3     | 3220           | 4960          | 0.64%           | 0.060%        |
| 12        | 9.665       | 1159          | 1162        | 1167         | rVB2     | 2085           | 3020          | 0.39%           | 0.036%        |
| 13        | 9.830       | 1186          | 1190        | 1192         | rVB2     | 782            | 1106          | 0.14%           | 0.013%        |
| 14        | 9.942       | 1205          | 1209        | 1210         | rBV4     | 1386           | 1564          | 0.20%           | 0.019%        |
| 15        | 9.989       | 1210          | 1217        | 1225         | rVB      | 84126          | 148939        | 19.24%          | 1.794%        |
| 16        | 10.529      | 1302          | 1309        | 1317         | rBV      | 134476         | 230051        | 29.71%          | 2.771%        |
| 17        | 10.682      | 1330          | 1335        | 1338         | rBV4     | 964            | 1445          | 0.19%           | 0.017%        |
| 18        | 10.917      | 1368          | 1375        | 1383         | rVB      | 117167         | 201615        | 26.04%          | 2.429%        |
| 19        | 11.046      | 1390          | 1397        | 1408         | rBV      | 124991         | 223233        | 28.83%          | 2.689%        |
| 20        | 11.311      | 1438          | 1442        | 1445         | rBV      | 664            | 1083          | 0.14%           | 0.013%        |
| 21        | 12.492      | 1639          | 1643        | 1646         | rBV      | 1861           | 2251          | 0.29%           | 0.027%        |
| 22        | 13.543      | 1819          | 1822        | 1825         | rBV      | 2711           | 2384          | 0.31%           | 0.029%        |
| 23        | 14.125      | 1915          | 1921        | 1926         | rBV      | 264650         | 401231        | 51.82%          | 4.833%        |
| 24        | 14.172      | 1926          | 1929        | 1936         | rVV      | 141721         | 193029        | 24.93%          | 2.325%        |
| 25        | 14.242      | 1936          | 1941        | 1945         | rVB2     | 1595           | 2367          | 0.31%           | 0.029%        |
| 26        | 14.313      | 1950          | 1953        | 1956         | rBV2     | 1494           | 1911          | 0.25%           | 0.023%        |
| 27        | 14.425      | 1964          | 1972        | 1978         | rBV      | 298275         | 446095        | 57.62%          | 5.374%        |
| 28        | 14.607      | 1998          | 2003        | 2009         | rBV2     | 13767          | 18450         | 2.38%           | 0.222%        |
| 29        | 14.730      | 2018          | 2024        | 2032         | rVB2     | 214220         | 341124        | 44.06%          | 4.109%        |
| 30        | 14.912      | 2049          | 2055        | 2065         | rBV      | 115551         | 192974        | 24.92%          | 2.325%        |
| 31        | 15.041      | 2075          | 2077        | 2079         | rBV3     | 2003           | 2064          | 0.27%           | 0.025%        |
| 32        | 15.106      | 2085          | 2088        | 2093         | rVB3     | 2590           | 3935          | 0.51%           | 0.047%        |
| 33        | 15.159      | 2093          | 2097        | 2103         | rVB4     | 2516           | 4151          | 0.54%           | 0.050%        |
| 34        | 15.218      | 2103          | 2107        | 2114         | rBV3     | 3998           | 6399          | 0.83%           | 0.077%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 35 | 15.294 | 2116 | 2120 | 2125 | rVB4 | 2739   | 3640   | 0.47%   | 0.044% |
| 36 | 15.512 | 2154 | 2157 | 2160 | rBV3 | 2377   | 3309   | 0.43%   | 0.040% |
| 37 | 15.559 | 2160 | 2165 | 2171 | rVB  | 24458  | 30479  | 3.94%   | 0.367% |
| 38 | 15.611 | 2171 | 2174 | 2179 | rBV3 | 2092   | 3198   | 0.41%   | 0.039% |
| 39 | 15.717 | 2186 | 2192 | 2200 | rVB  | 384455 | 588449 | 76.00%  | 7.089% |
| 40 | 15.823 | 2205 | 2210 | 2220 | rVB  | 93538  | 136779 | 17.67%  | 1.648% |
| 41 | 15.958 | 2226 | 2233 | 2237 | rBV2 | 9750   | 18955  | 2.45%   | 0.228% |
| 42 | 16.058 | 2248 | 2250 | 2255 | rVB  | 3016   | 2819   | 0.36%   | 0.034% |
| 43 | 16.111 | 2255 | 2259 | 2263 | rVV4 | 3253   | 4770   | 0.62%   | 0.057% |
| 44 | 16.181 | 2266 | 2271 | 2274 | rVB4 | 3534   | 5368   | 0.69%   | 0.065% |
| 45 | 16.293 | 2287 | 2290 | 2291 | rBV3 | 1347   | 1165   | 0.15%   | 0.014% |
| 46 | 16.311 | 2291 | 2293 | 2296 | rVB3 | 1590   | 1428   | 0.18%   | 0.017% |
| 47 | 16.369 | 2301 | 2303 | 2305 | rVB3 | 1171   | 1096   | 0.14%   | 0.013% |
| 48 | 16.416 | 2305 | 2311 | 2322 | rBV  | 24636  | 46093  | 5.95%   | 0.555% |
| 49 | 16.593 | 2340 | 2341 | 2346 | rVB2 | 1745   | 1746   | 0.23%   | 0.021% |
| 50 | 16.675 | 2350 | 2355 | 2358 | rBV4 | 1240   | 2286   | 0.30%   | 0.028% |
| 51 | 16.757 | 2364 | 2369 | 2374 | rBV3 | 3575   | 7326   | 0.95%   | 0.088% |
| 52 | 16.869 | 2387 | 2388 | 2393 | rVB2 | 2260   | 2816   | 0.36%   | 0.034% |
| 53 | 16.922 | 2393 | 2397 | 2401 | rBV3 | 2261   | 3578   | 0.46%   | 0.043% |
| 54 | 16.992 | 2406 | 2409 | 2412 | rVB4 | 1992   | 2278   | 0.29%   | 0.027% |
| 55 | 17.127 | 2428 | 2432 | 2435 | rBV  | 1095   | 1417   | 0.18%   | 0.017% |
| 56 | 17.210 | 2442 | 2446 | 2451 | rBV  | 12033  | 15070  | 1.95%   | 0.182% |
| 57 | 17.262 | 2451 | 2455 | 2460 | rVB4 | 3674   | 6035   | 0.78%   | 0.073% |
| 58 | 17.474 | 2484 | 2491 | 2499 | rBV  | 318204 | 474263 | 61.25%  | 5.713% |
| 59 | 17.568 | 2501 | 2507 | 2514 | rVB2 | 443213 | 665472 | 85.95%  | 8.017% |
| 60 | 17.744 | 2534 | 2537 | 2539 | rBV2 | 1270   | 1715   | 0.22%   | 0.021% |
| 61 | 17.832 | 2549 | 2552 | 2554 | rBV2 | 1182   | 1058   | 0.14%   | 0.013% |
| 62 | 17.950 | 2568 | 2572 | 2576 | rBV3 | 3537   | 4246   | 0.55%   | 0.051% |
| 63 | 18.338 | 2633 | 2638 | 2648 | rBV2 | 22882  | 33971  | 4.39%   | 0.409% |
| 64 | 18.637 | 2687 | 2689 | 2692 | rBV  | 849    | 1116   | 0.14%   | 0.013% |
| 65 | 19.483 | 2826 | 2833 | 2838 | rBV  | 5503   | 8154   | 1.05%   | 0.098% |
| 66 | 19.607 | 2851 | 2854 | 2859 | rBV3 | 9674   | 13279  | 1.72%   | 0.160% |
| 67 | 19.689 | 2867 | 2868 | 2872 | rBV3 | 1007   | 1201   | 0.16%   | 0.014% |
| 68 | 19.736 | 2872 | 2876 | 2879 | rBV  | 3484   | 4577   | 0.59%   | 0.055% |
| 69 | 19.854 | 2889 | 2896 | 2903 | rBV  | 543923 | 774247 | 100.00% | 9.327% |
| 70 | 20.024 | 2923 | 2925 | 2929 | rVB3 | 1699   | 1668   | 0.22%   | 0.020% |
| 71 | 20.159 | 2944 | 2948 | 2951 | rBV6 | 1213   | 2087   | 0.27%   | 0.025% |

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Title : SVOA CALIBRATION

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|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 20.412 | 2989 | 2991 | 2994 | rBV2 | 1506   | 1578   | 0.20%  | 0.019% |
| 73 | 20.506 | 3005 | 3007 | 3009 | rBV2 | 1038   | 1068   | 0.14%  | 0.013% |
| 74 | 20.559 | 3013 | 3016 | 3020 | rVV3 | 1036   | 1376   | 0.18%  | 0.017% |
| 75 | 20.705 | 3038 | 3041 | 3042 | rBV3 | 1579   | 1207   | 0.16%  | 0.015% |
| 76 | 20.747 | 3042 | 3048 | 3053 | rVB6 | 9341   | 15170  | 1.96%  | 0.183% |
| 77 | 20.794 | 3053 | 3056 | 3059 | rBV3 | 1647   | 2279   | 0.29%  | 0.027% |
| 78 | 20.841 | 3062 | 3064 | 3065 | rBV2 | 1624   | 1100   | 0.14%  | 0.013% |
| 79 | 21.363 | 3149 | 3153 | 3164 | rBV2 | 35815  | 66142  | 8.54%  | 0.797% |
| 80 | 21.745 | 3210 | 3218 | 3226 | rBV  | 350562 | 572434 | 73.93% | 6.896% |
| 81 | 24.060 | 3607 | 3612 | 3621 | rVB3 | 8896   | 20684  | 2.67%  | 0.249% |
| 82 | 24.789 | 3725 | 3736 | 3749 | rVB  | 243380 | 670359 | 86.58% | 8.075% |
| 83 | 25.018 | 3764 | 3775 | 3786 | rBV3 | 194793 | 555464 | 71.74% | 6.691% |
| 84 | 25.694 | 3888 | 3890 | 3891 | rBV2 | 2007   | 1209   | 0.16%  | 0.015% |
| 85 | 26.176 | 3966 | 3972 | 3981 | rVB7 | 11301  | 31035  | 4.01%  | 0.374% |
| 86 | 29.107 | 4469 | 4471 | 4475 | rBV5 | 1845   | 1811   | 0.23%  | 0.022% |

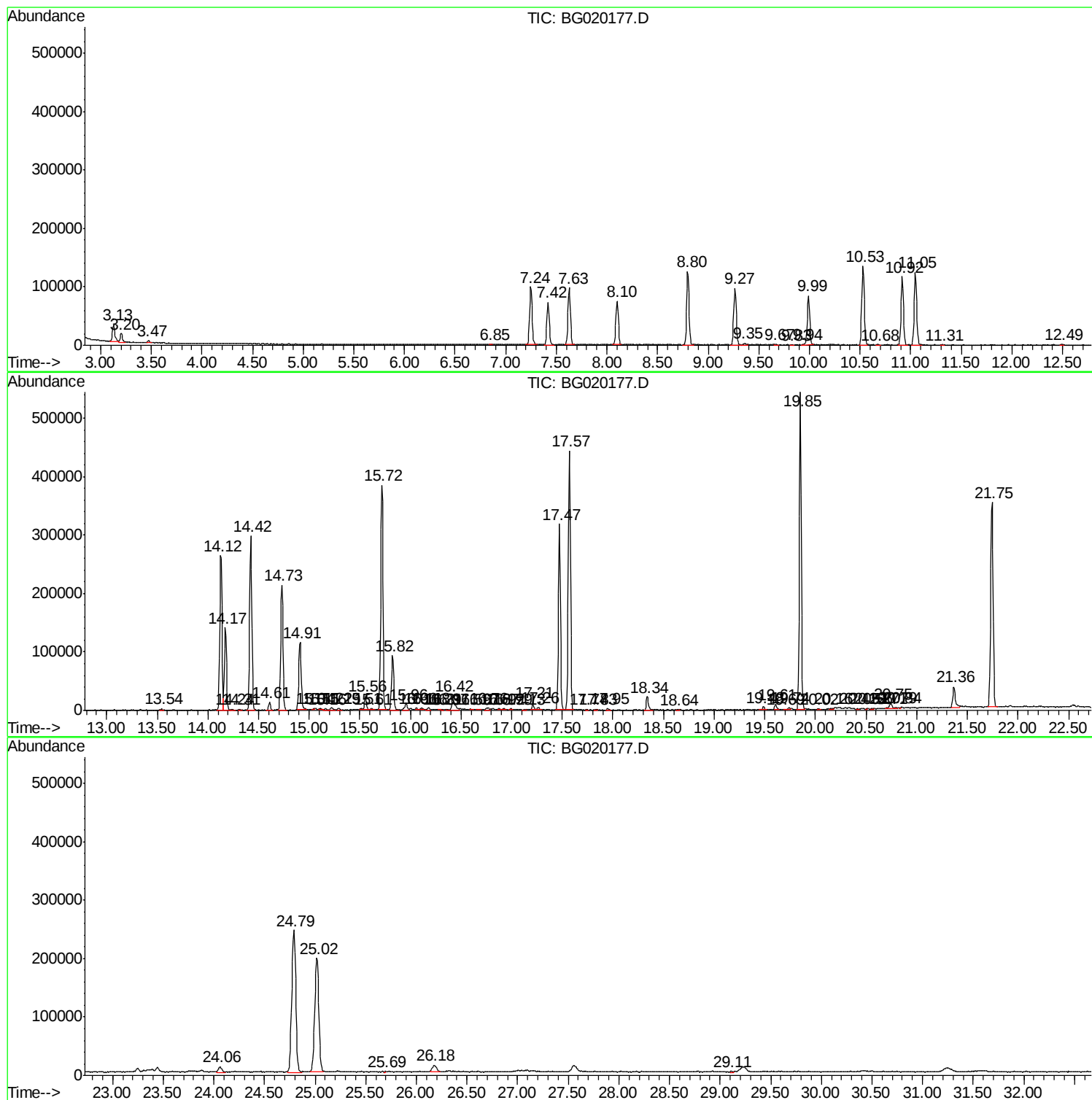
Sum of corrected areas: 8301270

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG121415.M  
Quant Title : SVOA CALIBRATION

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



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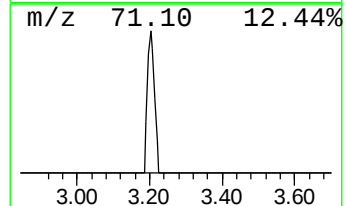
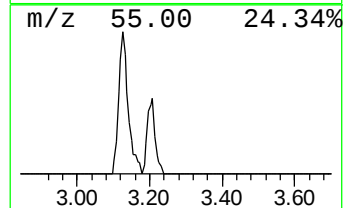
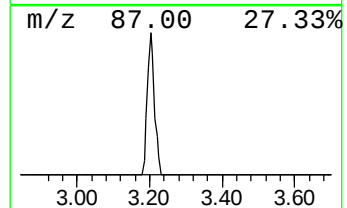
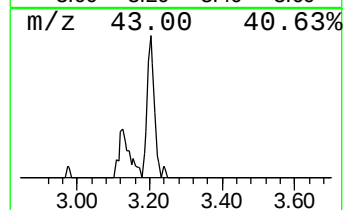
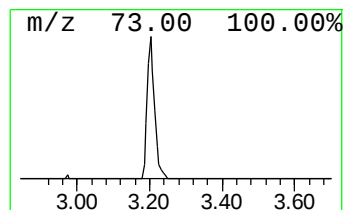
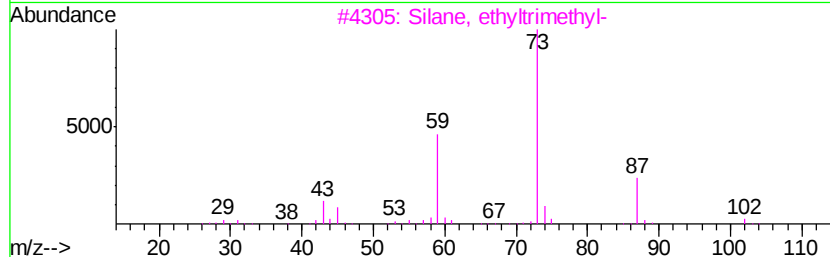
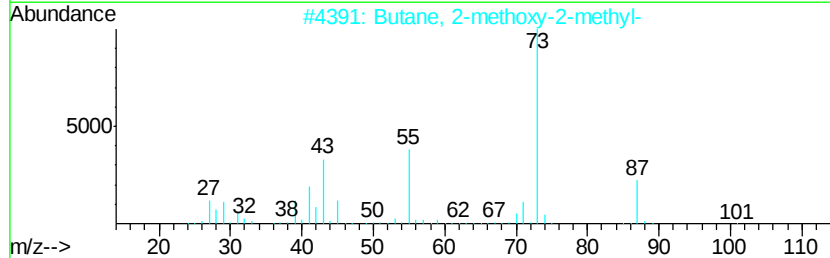
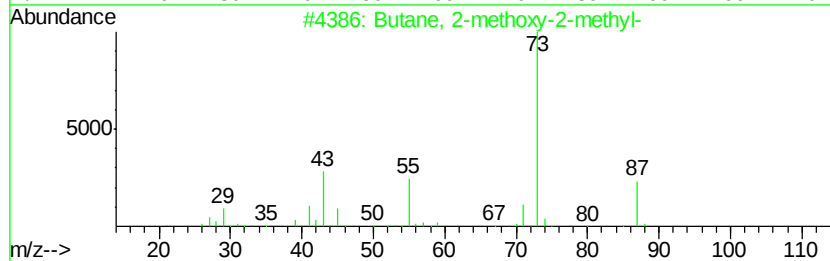
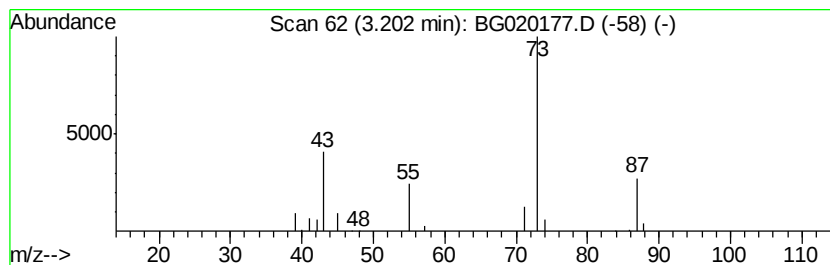
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG121415.M  
Quant Title : SVOA CALIBRATION

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. |
|------|------------|-------|------------------------|------|
| 3.20 | 3.50 ng/ul | 22401 | 1,4-Dichlorobenzene-d4 | 8.10 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 9    |
| 3    |    | Silane, ethyltrimethyl-     | 102 | C5H14Si | 003439-38-1 | 9    |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 7    |
| 5    |    | 1-Propene-1-thiol           | 74  | C3H6S   | 000925-89-3 | 5    |



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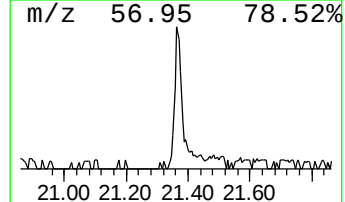
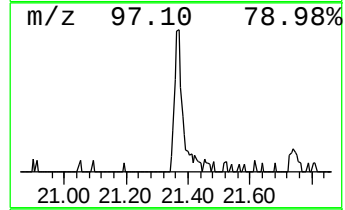
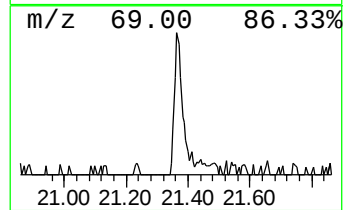
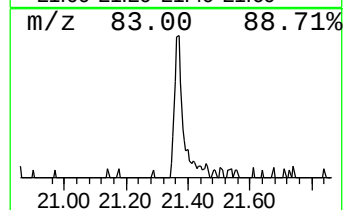
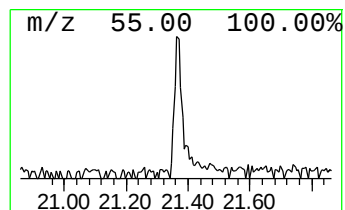
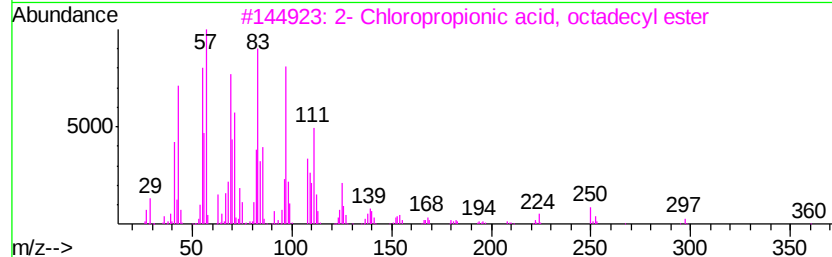
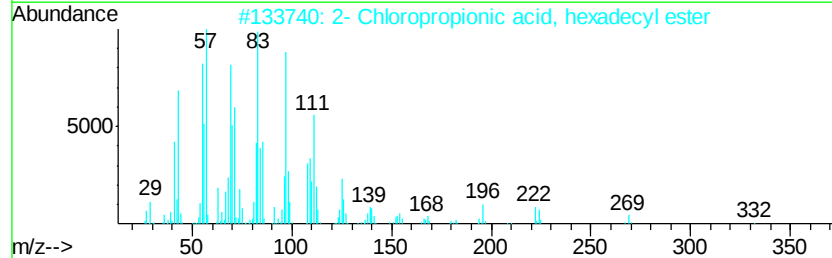
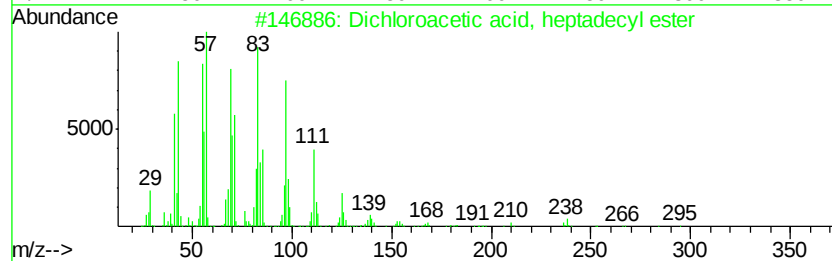
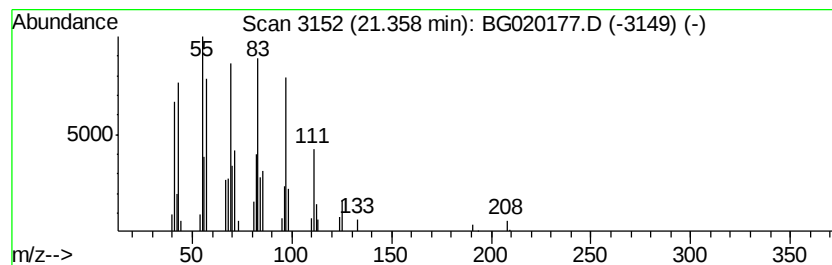
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 21.36 | 2.31 ng/ul | 66142 | Chrysene-d12     | 21.75 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 95   |
| 2    |    | 2- Chloropropionic acid, hexadec... | 332 | C19H37ClO2  | 086711-81-1  | 94   |
| 3    |    | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2  | 088104-31-8  | 94   |
| 4    |    | 2- Chloropropionic acid, pentade... | 318 | C18H35ClO2  | 1000292-44-1 | 94   |
| 5    |    | Bromoacetic acid, hexadecyl ester   | 362 | C18H35BrO2  | 005454-48-8  | 91   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 3.20  | 3.5     | ng/ul | 22401    | 1                     | 8.10  | 128097 | 20.0 |
| Dichloroacetic ac... | 21.36 | 2.3     | ng/ul | 66142    | 5                     | 21.75 | 572434 | 20.0 |