

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112116\  
 Data File : BG024877.D  
 Acq On : 22 Nov 2016 2:57  
 Operator : UM/SJ  
 Sample : H5694-19  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHSS6

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.188    | 54         | 59       | 66        | rVB2  | 41256       | 67007      | 1.88%        | 0.193%     |
| 2      | 3.311    | 76         | 80       | 89        | rVB10 | 20395       | 40218      | 1.13%        | 0.116%     |
| 3      | 3.388    | 91         | 93       | 103       | rVB10 | 12238       | 21243      | 0.60%        | 0.061%     |
| 4      | 3.593    | 124        | 128      | 129       | rBV2  | 8973        | 11900      | 0.33%        | 0.034%     |
| 5      | 3.623    | 129        | 133      | 140       | rVB5  | 16997       | 32569      | 0.92%        | 0.094%     |
| 6      | 4.157    | 220        | 224      | 231       | rVB7  | 16155       | 24114      | 0.68%        | 0.070%     |
| 7      | 4.639    | 304        | 306      | 310       | rBV3  | 10553       | 14531      | 0.41%        | 0.042%     |
| 8      | 4.798    | 330        | 333      | 337       | rVB5  | 7057        | 12378      | 0.35%        | 0.036%     |
| 9      | 4.851    | 337        | 342      | 347       | rBV6  | 9164        | 17318      | 0.49%        | 0.050%     |
| 10     | 5.244    | 405        | 409      | 415       | rVB7  | 9454        | 14350      | 0.40%        | 0.041%     |
| 11     | 5.321    | 415        | 422      | 427       | rBV4  | 22451       | 46660      | 1.31%        | 0.135%     |
| 12     | 5.667    | 476        | 481      | 488       | rBV5  | 8606        | 21538      | 0.61%        | 0.062%     |
| 13     | 6.237    | 573        | 578      | 582       | rVB5  | 8082        | 11964      | 0.34%        | 0.035%     |
| 14     | 6.472    | 616        | 618      | 622       | rVB2  | 9513        | 10866      | 0.31%        | 0.031%     |
| 15     | 6.502    | 622        | 623      | 630       | rBV7  | 7898        | 12475      | 0.35%        | 0.036%     |
| 16     | 6.860    | 678        | 684      | 690       | rVB6  | 8311        | 14959      | 0.42%        | 0.043%     |
| 17     | 7.395    | 769        | 775      | 786       | rBV2  | 302577      | 586034     | 16.48%       | 1.692%     |
| 18     | 7.571    | 798        | 805      | 815       | rVB   | 212845      | 367712     | 10.34%       | 1.062%     |
| 19     | 7.782    | 833        | 841      | 855       | rVV2  | 302312      | 542634     | 15.26%       | 1.567%     |
| 20     | 8.258    | 910        | 922      | 933       | rVB   | 542549      | 990169     | 27.85%       | 2.859%     |
| 21     | 8.952    | 1028       | 1040     | 1049      | rBV2  | 322135      | 600500     | 16.89%       | 1.734%     |
| 22     | 9.298    | 1096       | 1099     | 1104      | rVB5  | 6058        | 10812      | 0.30%        | 0.031%     |
| 23     | 9.433    | 1112       | 1122     | 1131      | rBV2  | 293374      | 579304     | 16.29%       | 1.672%     |
| 24     | 9.522    | 1131       | 1137     | 1139      | rVB5  | 8277        | 14505      | 0.41%        | 0.042%     |
| 25     | 9.768    | 1172       | 1179     | 1183      | rBV6  | 10527       | 20617      | 0.58%        | 0.060%     |
| 26     | 10.156   | 1238       | 1245     | 1255      | rVV2  | 261569      | 505872     | 14.23%       | 1.460%     |
| 27     | 10.503   | 1299       | 1304     | 1307      | rBV5  | 7369        | 14264      | 0.40%        | 0.041%     |
| 28     | 10.697   | 1328       | 1337     | 1346      | rBV   | 401748      | 758833     | 21.34%       | 2.191%     |
| 29     | 10.761   | 1346       | 1348     | 1354      | rVB7  | 9672        | 14068      | 0.40%        | 0.041%     |
| 30     | 10.832   | 1358       | 1360     | 1367      | rBV6  | 8153        | 14215      | 0.40%        | 0.041%     |
| 31     | 11.008   | 1386       | 1390     | 1395      | rVV6  | 9820        | 15850      | 0.45%        | 0.046%     |
| 32     | 11.084   | 1395       | 1403     | 1417      | rVV   | 776765      | 1443026    | 40.58%       | 4.166%     |
| 33     | 11.220   | 1417       | 1426     | 1435      | rVV   | 285322      | 546074     | 15.36%       | 1.576%     |
| 34     | 11.842   | 1528       | 1532     | 1536      | rBV6  | 4973        | 11747      | 0.33%        | 0.034%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.001 | 1554 | 1559 | 1561 | rVB4 | 8055    | 10656   | 0.30%  | 0.031% |
| 36 | 12.254 | 1598 | 1602 | 1611 | rBV7 | 11943   | 14747   | 0.41%  | 0.043% |
| 37 | 12.377 | 1616 | 1623 | 1627 | rBV4 | 9365    | 15565   | 0.44%  | 0.045% |
| 38 | 12.542 | 1646 | 1651 | 1656 | rVB8 | 5279    | 13310   | 0.37%  | 0.038% |
| 39 | 12.647 | 1665 | 1669 | 1676 | rVB7 | 14291   | 25230   | 0.71%  | 0.073% |
| 40 | 12.929 | 1712 | 1717 | 1722 | rVB7 | 7743    | 15078   | 0.42%  | 0.044% |
| 41 | 13.223 | 1762 | 1767 | 1772 | rBV5 | 8234    | 15805   | 0.44%  | 0.046% |
| 42 | 13.382 | 1790 | 1794 | 1801 | rVB6 | 9440    | 19808   | 0.56%  | 0.057% |
| 43 | 13.464 | 1801 | 1808 | 1811 | rBV6 | 10620   | 15559   | 0.44%  | 0.045% |
| 44 | 13.664 | 1837 | 1842 | 1846 | rBV6 | 12176   | 17546   | 0.49%  | 0.051% |
| 45 | 13.734 | 1846 | 1854 | 1861 | rVV4 | 25027   | 46213   | 1.30%  | 0.133% |
| 46 | 14.057 | 1905 | 1909 | 1916 | rVB8 | 12575   | 22165   | 0.62%  | 0.064% |
| 47 | 14.269 | 1929 | 1945 | 1949 | rVV  | 759640  | 1172887 | 32.99% | 3.386% |
| 48 | 14.316 | 1949 | 1953 | 1960 | rVB  | 169182  | 236173  | 6.64%  | 0.682% |
| 49 | 14.574 | 1990 | 1997 | 2005 | rVB  | 821212  | 1321883 | 37.18% | 3.816% |
| 50 | 14.721 | 2019 | 2022 | 2032 | rVB5 | 19854   | 30051   | 0.85%  | 0.087% |
| 51 | 14.874 | 2038 | 2048 | 2056 | rVB  | 1341909 | 2235306 | 62.86% | 6.453% |
| 52 | 15.056 | 2071 | 2079 | 2093 | rBV  | 310958  | 580616  | 16.33% | 1.676% |
| 53 | 15.327 | 2122 | 2125 | 2131 | rBV6 | 10895   | 19968   | 0.56%  | 0.058% |
| 54 | 15.485 | 2146 | 2152 | 2156 | rBV7 | 9162    | 16955   | 0.48%  | 0.049% |
| 55 | 15.632 | 2169 | 2177 | 2180 | rVV4 | 33303   | 54812   | 1.54%  | 0.158% |
| 56 | 15.667 | 2180 | 2183 | 2188 | rVB3 | 36252   | 51703   | 1.45%  | 0.149% |
| 57 | 15.767 | 2197 | 2200 | 2204 | rBV5 | 10881   | 15855   | 0.45%  | 0.046% |
| 58 | 15.861 | 2209 | 2216 | 2229 | rVB  | 1132874 | 1787582 | 50.27% | 5.161% |
| 59 | 15.973 | 2229 | 2235 | 2246 | rBV  | 274991  | 436009  | 12.26% | 1.259% |
| 60 | 16.067 | 2247 | 2251 | 2254 | rVV4 | 15734   | 22590   | 0.64%  | 0.065% |
| 61 | 16.090 | 2254 | 2255 | 2264 | rVB7 | 17697   | 30814   | 0.87%  | 0.089% |
| 62 | 16.220 | 2273 | 2277 | 2282 | rBV7 | 9966    | 13913   | 0.39%  | 0.040% |
| 63 | 16.296 | 2286 | 2290 | 2294 | rVB5 | 7632    | 12290   | 0.35%  | 0.035% |
| 64 | 16.337 | 2294 | 2297 | 2303 | rBV8 | 14284   | 20140   | 0.57%  | 0.058% |
| 65 | 16.449 | 2311 | 2316 | 2317 | rBV4 | 12040   | 18399   | 0.52%  | 0.053% |
| 66 | 16.478 | 2318 | 2321 | 2323 | rVV4 | 12241   | 10917   | 0.31%  | 0.032% |
| 67 | 16.531 | 2323 | 2330 | 2332 | rVV3 | 53292   | 86551   | 2.43%  | 0.250% |
| 68 | 16.555 | 2332 | 2334 | 2348 | rVB5 | 67245   | 124887  | 3.51%  | 0.361% |
| 69 | 16.719 | 2359 | 2362 | 2364 | rBV4 | 11157   | 11107   | 0.31%  | 0.032% |
| 70 | 17.107 | 2425 | 2428 | 2430 | rBV4 | 8115    | 10905   | 0.31%  | 0.031% |
| 71 | 17.148 | 2433 | 2435 | 2440 | rVB5 | 17177   | 18078   | 0.51%  | 0.052% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111416.M  
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|     |        |      |      |      |       |         |         |         |         |
|-----|--------|------|------|------|-------|---------|---------|---------|---------|
| 72  | 17.271 | 2452 | 2456 | 2459 | rBV6  | 11747   | 18045   | 0.51%   | 0.052%  |
| 73  | 17.318 | 2460 | 2464 | 2470 | rVV4  | 41889   | 63225   | 1.78%   | 0.183%  |
| 74  | 17.406 | 2476 | 2479 | 2482 | rVB4  | 17006   | 22813   | 0.64%   | 0.066%  |
| 75  | 17.477 | 2490 | 2491 | 2494 | rVB3  | 13757   | 10957   | 0.31%   | 0.032%  |
| 76  | 17.530 | 2497 | 2500 | 2506 | rBV8  | 12846   | 19619   | 0.55%   | 0.057%  |
| 77  | 17.618 | 2508 | 2515 | 2526 | rBV   | 1712370 | 2814263 | 79.15%  | 8.125%  |
| 78  | 17.718 | 2526 | 2532 | 2543 | rVB   | 1194221 | 1866555 | 52.49%  | 5.389%  |
| 79  | 18.059 | 2587 | 2590 | 2597 | rVB7  | 18564   | 40173   | 1.13%   | 0.116%  |
| 80  | 18.253 | 2618 | 2623 | 2628 | rVB9  | 18941   | 28876   | 0.81%   | 0.083%  |
| 81  | 18.341 | 2633 | 2638 | 2642 | rBV7  | 15968   | 30737   | 0.86%   | 0.089%  |
| 82  | 18.405 | 2648 | 2649 | 2652 | rBV3  | 11013   | 11043   | 0.31%   | 0.032%  |
| 83  | 18.458 | 2654 | 2658 | 2667 | rBV10 | 95061   | 162660  | 4.57%   | 0.470%  |
| 84  | 18.540 | 2667 | 2672 | 2677 | rVB8  | 35322   | 63442   | 1.78%   | 0.183%  |
| 85  | 18.587 | 2677 | 2680 | 2683 | rBV5  | 15570   | 22761   | 0.64%   | 0.066%  |
| 86  | 18.687 | 2689 | 2697 | 2699 | rBV9  | 24880   | 63646   | 1.79%   | 0.184%  |
| 87  | 18.728 | 2700 | 2704 | 2711 | rVB8  | 49015   | 86758   | 2.44%   | 0.250%  |
| 88  | 18.787 | 2711 | 2714 | 2717 | rBV5  | 14097   | 18103   | 0.51%   | 0.052%  |
| 89  | 18.828 | 2717 | 2721 | 2727 | rBV9  | 17362   | 36315   | 1.02%   | 0.105%  |
| 90  | 19.210 | 2781 | 2786 | 2791 | rVB9  | 27792   | 55807   | 1.57%   | 0.161%  |
| 91  | 19.657 | 2854 | 2862 | 2867 | rBV2  | 144737  | 226456  | 6.37%   | 0.654%  |
| 92  | 19.721 | 2870 | 2873 | 2877 | rVB6  | 21632   | 28109   | 0.79%   | 0.081%  |
| 93  | 19.886 | 2892 | 2901 | 2903 | rBV10 | 32283   | 83115   | 2.34%   | 0.240%  |
| 94  | 19.992 | 2913 | 2919 | 2931 | rBV   | 1506364 | 2479919 | 69.74%  | 7.159%  |
| 95  | 21.490 | 3169 | 3174 | 3185 | rBV5  | 174381  | 409050  | 11.50%  | 1.181%  |
| 96  | 21.748 | 3213 | 3218 | 3225 | rVB   | 569841  | 841947  | 23.68%  | 2.431%  |
| 97  | 21.919 | 3238 | 3247 | 3262 | rVB   | 1880926 | 3555763 | 100.00% | 10.265% |
| 98  | 25.109 | 3781 | 3790 | 3803 | rBV2  | 711031  | 2016961 | 56.72%  | 5.823%  |
| 99  | 25.350 | 3822 | 3831 | 3850 | rVB2  | 1060279 | 3325338 | 93.52%  | 9.600%  |
| 100 | 26.472 | 4018 | 4022 | 4031 | rVB9  | 92210   | 253595  | 7.13%   | 0.732%  |

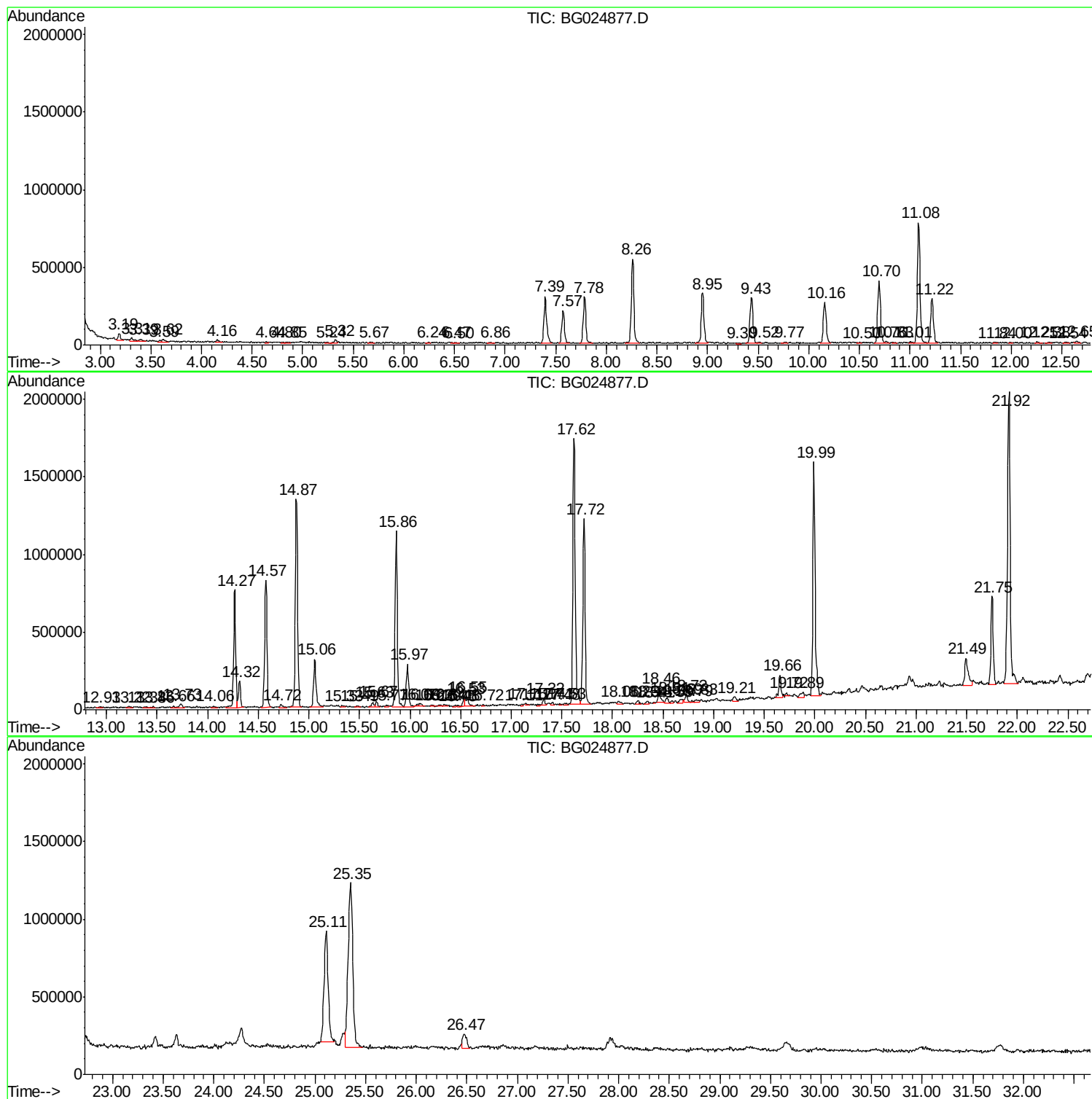
Sum of corrected areas: 34638450

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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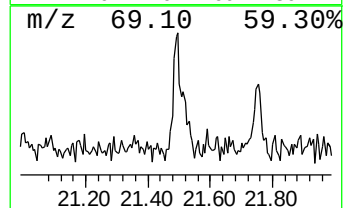
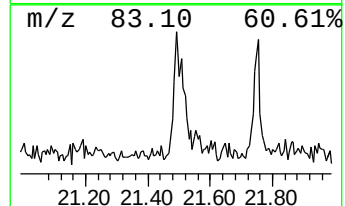
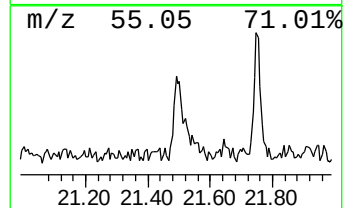
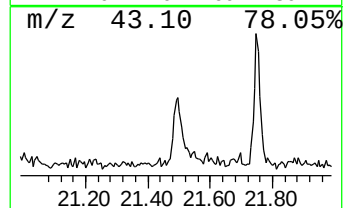
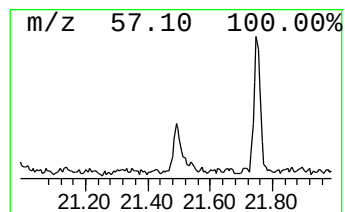
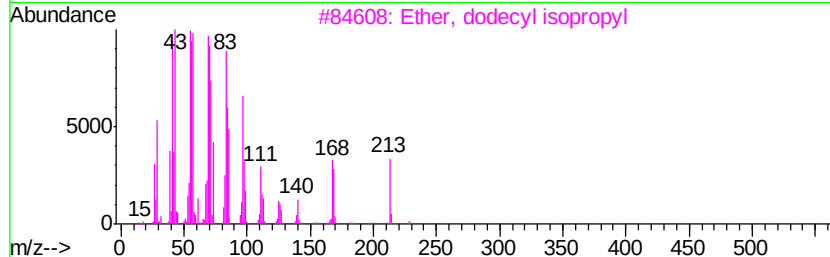
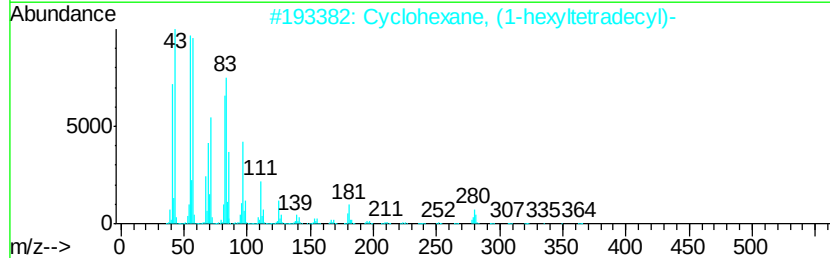
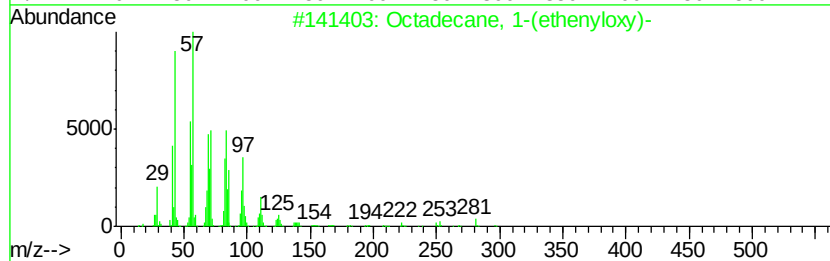
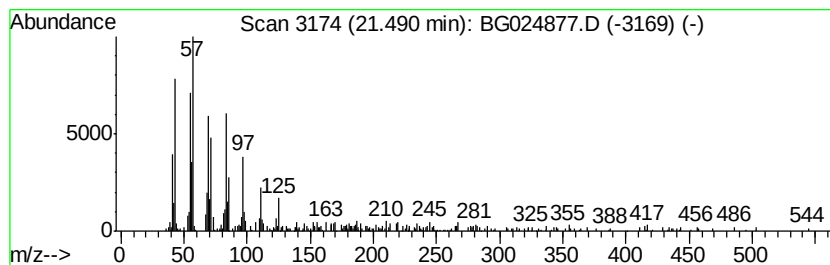
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111416.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Octadecane, 1-(ethenyloxy)- Concentration Rank 1

| R.T.    | EstConc    | Area                              | Relative to ISTD | R.T.           |
|---------|------------|-----------------------------------|------------------|----------------|
| 21.49   | 2.30 ng/ul | 409050                            | Chrysene-d12     | 21.92          |
| Hit# of | 5          | Tentative ID                      | MW MolForm       | CAS# Qual      |
| 1       |            | Octadecane, 1-(ethenyloxy)-       | 296 C20H40O      | 000930-02-9 91 |
| 2       |            | Cyclohexane, (1-hexyltetradecyl)- | 364 C26H52       | 004443-60-1 87 |
| 3       |            | Ether, dodecyl isopropyl          | 228 C15H32O      | 029379-42-8 87 |
| 4       |            | Dodecane, 6-cyclohexyl-           | 252 C18H36       | 013151-86-5 86 |
| 5       |            | Behenic alcohol                   | 326 C22H46O      | 000661-19-8 86 |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Octadecane, 1-(et... | 21.49 | 2.3     | ng/ul | 409050   | 5                     | 21.92 | 3555760 | 20.0 |