

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121820\  
 Data File : BM028178.D  
 Acq On : 19 Dec 2020 03:42  
 Operator : JU/CG  
 Sample : L5068-14  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A54H2

## 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121520MA.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         | 3.416       | 35            | 39          | 48           | rVB      | 18835          | 26921         | 1.78%           | 0.135%        |
| 2         | 3.716       | 86            | 90          | 94           | rVB5     | 1979           | 2532          | 0.17%           | 0.013%        |
| 3         | 3.757       | 94            | 97          | 99           | rBV4     | 1746           | 2124          | 0.14%           | 0.011%        |
| 4         | 3.887       | 118           | 119         | 124          | rVB5     | 1423           | 1846          | 0.12%           | 0.009%        |
| 5         | 3.993       | 133           | 137         | 143          | rVB2     | 4508           | 6801          | 0.45%           | 0.034%        |
| 6         | 4.128       | 157           | 160         | 163          | rVB3     | 2107           | 2596          | 0.17%           | 0.013%        |
| 7         | 4.222       | 172           | 176         | 182          | rBV2     | 5825           | 8943          | 0.59%           | 0.045%        |
| 8         | 4.469       | 213           | 218         | 225          | rVB      | 11141          | 15879         | 1.05%           | 0.079%        |
| 9         | 4.622       | 242           | 244         | 249          | rBV5     | 1039           | 1618          | 0.11%           | 0.008%        |
| 10        | 4.910       | 287           | 293         | 299          | rVB2     | 7458           | 11499         | 0.76%           | 0.057%        |
| 11        | 5.328       | 358           | 364         | 367          | rBV5     | 1145           | 2193          | 0.15%           | 0.011%        |
| 12        | 6.157       | 500           | 505         | 509          | rBV6     | 2155           | 3704          | 0.25%           | 0.019%        |
| 13        | 6.240       | 515           | 519         | 524          | rBV      | 5308           | 7297          | 0.48%           | 0.036%        |
| 14        | 6.816       | 615           | 617         | 620          | rVB4     | 1819           | 1647          | 0.11%           | 0.008%        |
| 15        | 7.157       | 670           | 675         | 679          | rBV3     | 2619           | 4278          | 0.28%           | 0.021%        |
| 16        | 7.339       | 699           | 706         | 721          | rVB2     | 301019         | 532492        | 35.28%          | 2.661%        |
| 17        | 7.516       | 730           | 736         | 747          | rVB      | 227906         | 358543        | 23.75%          | 1.792%        |
| 18        | 7.728       | 765           | 772         | 779          | rBV      | 314079         | 497689        | 32.97%          | 2.487%        |
| 19        | 7.792       | 779           | 783         | 792          | rVB2     | 23545          | 40622         | 2.69%           | 0.203%        |
| 20        | 7.986       | 811           | 816         | 823          | rBV2     | 4637           | 8739          | 0.58%           | 0.044%        |
| 21        | 8.204       | 846           | 853         | 860          | rBV      | 476625         | 749040        | 49.63%          | 3.743%        |
| 22        | 8.263       | 860           | 863         | 869          | rVB2     | 4946           | 7294          | 0.48%           | 0.036%        |
| 23        | 8.910       | 965           | 973         | 983          | rBV      | 341408         | 551572        | 36.54%          | 2.756%        |
| 24        | 9.033       | 991           | 994         | 1000         | rBV3     | 1496           | 2252          | 0.15%           | 0.011%        |
| 25        | 9.381       | 1046          | 1053        | 1060         | rBV      | 271911         | 432025        | 28.62%          | 2.159%        |
| 26        | 9.469       | 1065          | 1068        | 1074         | rVV4     | 2530           | 3845          | 0.25%           | 0.019%        |
| 27        | 9.539       | 1076          | 1080        | 1084         | rVB3     | 2187           | 3370          | 0.22%           | 0.017%        |
| 28        | 9.769       | 1113          | 1119        | 1125         | rBV      | 7943           | 12377         | 0.82%           | 0.062%        |
| 29        | 10.104      | 1169          | 1176        | 1185         | rBV      | 208084         | 346951        | 22.99%          | 1.734%        |
| 30        | 10.310      | 1207          | 1211        | 1217         | rVB4     | 1259           | 1861          | 0.12%           | 0.009%        |
| 31        | 10.645      | 1261          | 1268        | 1277         | rBV      | 339790         | 546199        | 36.19%          | 2.729%        |
| 32        | 11.033      | 1327          | 1334        | 1342         | rVB      | 626101         | 1022520       | 67.75%          | 5.109%        |
| 33        | 11.163      | 1349          | 1356        | 1365         | rBV      | 315561         | 530160        | 35.12%          | 2.649%        |
| 34        | 11.410      | 1395          | 1398        | 1404         | rBV3     | 1035           | 1792          | 0.12%           | 0.009%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 12.427 | 1567 | 1571 | 1576 | rBV3 | 1426   | 2621    | 0.17%  | 0.013% |
| 36 | 12.492 | 1578 | 1582 | 1587 | rVV2 | 2833   | 3780    | 0.25%  | 0.019% |
| 37 | 12.604 | 1596 | 1601 | 1608 | rBV2 | 4443   | 7420    | 0.49%  | 0.037% |
| 38 | 13.192 | 1698 | 1701 | 1709 | rBV3 | 5348   | 7931    | 0.53%  | 0.040% |
| 39 | 13.439 | 1738 | 1743 | 1747 | rBV2 | 8285   | 11925   | 0.79%  | 0.060% |
| 40 | 13.639 | 1770 | 1777 | 1781 | rBV3 | 3819   | 6204    | 0.41%  | 0.031% |
| 41 | 13.716 | 1785 | 1790 | 1795 | rVV3 | 3113   | 5180    | 0.34%  | 0.026% |
| 42 | 13.810 | 1801 | 1806 | 1810 | rVB5 | 987    | 1931    | 0.13%  | 0.010% |
| 43 | 14.227 | 1871 | 1877 | 1882 | rBV  | 560660 | 747441  | 49.52% | 3.735% |
| 44 | 14.274 | 1882 | 1885 | 1893 | rVB  | 117409 | 147687  | 9.78%  | 0.738% |
| 45 | 14.457 | 1911 | 1916 | 1919 | rBV5 | 2557   | 3944    | 0.26%  | 0.020% |
| 46 | 14.527 | 1922 | 1928 | 1936 | rVV  | 641137 | 917193  | 60.77% | 4.583% |
| 47 | 14.580 | 1936 | 1937 | 1943 | rVB3 | 2128   | 2442    | 0.16%  | 0.012% |
| 48 | 14.710 | 1954 | 1959 | 1965 | rBV5 | 4399   | 7613    | 0.50%  | 0.038% |
| 49 | 14.833 | 1973 | 1980 | 1988 | rVB  | 860371 | 1237266 | 81.97% | 6.182% |
| 50 | 14.998 | 1999 | 2008 | 2017 | rBV  | 230728 | 332835  | 22.05% | 1.663% |
| 51 | 15.074 | 2017 | 2021 | 2024 | rVB2 | 6676   | 10125   | 0.67%  | 0.051% |
| 52 | 15.210 | 2039 | 2044 | 2048 | rBV6 | 2926   | 5653    | 0.37%  | 0.028% |
| 53 | 15.427 | 2078 | 2081 | 2084 | rBV3 | 1498   | 2047    | 0.14%  | 0.010% |
| 54 | 15.598 | 2106 | 2110 | 2115 | rBV4 | 4845   | 7584    | 0.50%  | 0.038% |
| 55 | 15.645 | 2115 | 2118 | 2121 | rVB3 | 3982   | 4682    | 0.31%  | 0.023% |
| 56 | 15.810 | 2140 | 2146 | 2154 | rBV  | 779616 | 1118097 | 74.08% | 5.587% |
| 57 | 15.921 | 2158 | 2165 | 2176 | rBV  | 220504 | 305678  | 20.25% | 1.527% |
| 58 | 16.051 | 2181 | 2187 | 2192 | rVB3 | 8453   | 12387   | 0.82%  | 0.062% |
| 59 | 16.145 | 2200 | 2203 | 2208 | rVB5 | 1668   | 2801    | 0.19%  | 0.014% |
| 60 | 16.198 | 2208 | 2212 | 2217 | rBV4 | 2145   | 3425    | 0.23%  | 0.017% |
| 61 | 16.268 | 2221 | 2224 | 2225 | rBV3 | 2060   | 1818    | 0.12%  | 0.009% |
| 62 | 16.439 | 2250 | 2253 | 2255 | rBV4 | 2981   | 3056    | 0.20%  | 0.015% |
| 63 | 16.498 | 2260 | 2263 | 2266 | rVB4 | 1566   | 1693    | 0.11%  | 0.008% |
| 64 | 16.586 | 2273 | 2278 | 2282 | rBV5 | 3857   | 5349    | 0.35%  | 0.027% |
| 65 | 16.774 | 2306 | 2310 | 2317 | rBV3 | 5192   | 8221    | 0.54%  | 0.041% |
| 66 | 16.839 | 2317 | 2321 | 2322 | rBV3 | 1300   | 1585    | 0.11%  | 0.008% |
| 67 | 16.927 | 2335 | 2336 | 2340 | rVB3 | 2401   | 2164    | 0.14%  | 0.011% |
| 68 | 16.998 | 2345 | 2348 | 2352 | rBV5 | 2720   | 4302    | 0.29%  | 0.021% |
| 69 | 17.074 | 2358 | 2361 | 2363 | rBV4 | 1641   | 1824    | 0.12%  | 0.009% |
| 70 | 17.286 | 2394 | 2397 | 2401 | rVB4 | 4249   | 4140    | 0.27%  | 0.021% |
| 71 | 17.339 | 2401 | 2406 | 2411 | rBV4 | 4226   | 6798    | 0.45%  | 0.034% |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121520MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 17.551 | 2436 | 2442 | 2448 | rBV  | 992271  | 1365655 | 90.48%  | 6.824% |
| 73 | 17.651 | 2453 | 2459 | 2471 | rVB2 | 811632  | 1175853 | 77.90%  | 5.876% |
| 74 | 17.809 | 2483 | 2486 | 2489 | rBV3 | 1922    | 3027    | 0.20%   | 0.015% |
| 75 | 17.898 | 2497 | 2501 | 2503 | rBV5 | 2953    | 3957    | 0.26%   | 0.020% |
| 76 | 18.186 | 2547 | 2550 | 2554 | rBV4 | 2718    | 3905    | 0.26%   | 0.020% |
| 77 | 18.286 | 2565 | 2567 | 2572 | rVB6 | 1865    | 2629    | 0.17%   | 0.013% |
| 78 | 18.403 | 2583 | 2587 | 2596 | rBV  | 63992   | 90887   | 6.02%   | 0.454% |
| 79 | 19.409 | 2755 | 2758 | 2762 | rBV3 | 12456   | 16986   | 1.13%   | 0.085% |
| 80 | 19.515 | 2773 | 2776 | 2778 | rBV3 | 11658   | 14768   | 0.98%   | 0.074% |
| 81 | 19.545 | 2778 | 2781 | 2784 | rVV3 | 13366   | 16159   | 1.07%   | 0.081% |
| 82 | 19.656 | 2796 | 2800 | 2805 | rBV4 | 28990   | 43485   | 2.88%   | 0.217% |
| 83 | 19.797 | 2820 | 2824 | 2828 | rBV3 | 26681   | 36825   | 2.44%   | 0.184% |
| 84 | 19.903 | 2836 | 2842 | 2852 | rBV  | 1065365 | 1480796 | 98.11%  | 7.399% |
| 85 | 20.103 | 2874 | 2876 | 2881 | rVB5 | 10422   | 13544   | 0.90%   | 0.068% |
| 86 | 21.350 | 3084 | 3088 | 3096 | rBV  | 211852  | 316922  | 21.00%  | 1.584% |
| 87 | 21.662 | 3136 | 3141 | 3146 | rBV  | 1145972 | 1469370 | 97.35%  | 7.342% |
| 88 | 23.315 | 3419 | 3422 | 3433 | rVB4 | 122751  | 250995  | 16.63%  | 1.254% |
| 89 | 23.874 | 3511 | 3517 | 3525 | rVB  | 784919  | 1509360 | 100.00% | 7.542% |
| 90 | 24.027 | 3537 | 3543 | 3552 | rVB  | 761433  | 1491431 | 98.81%  | 7.452% |

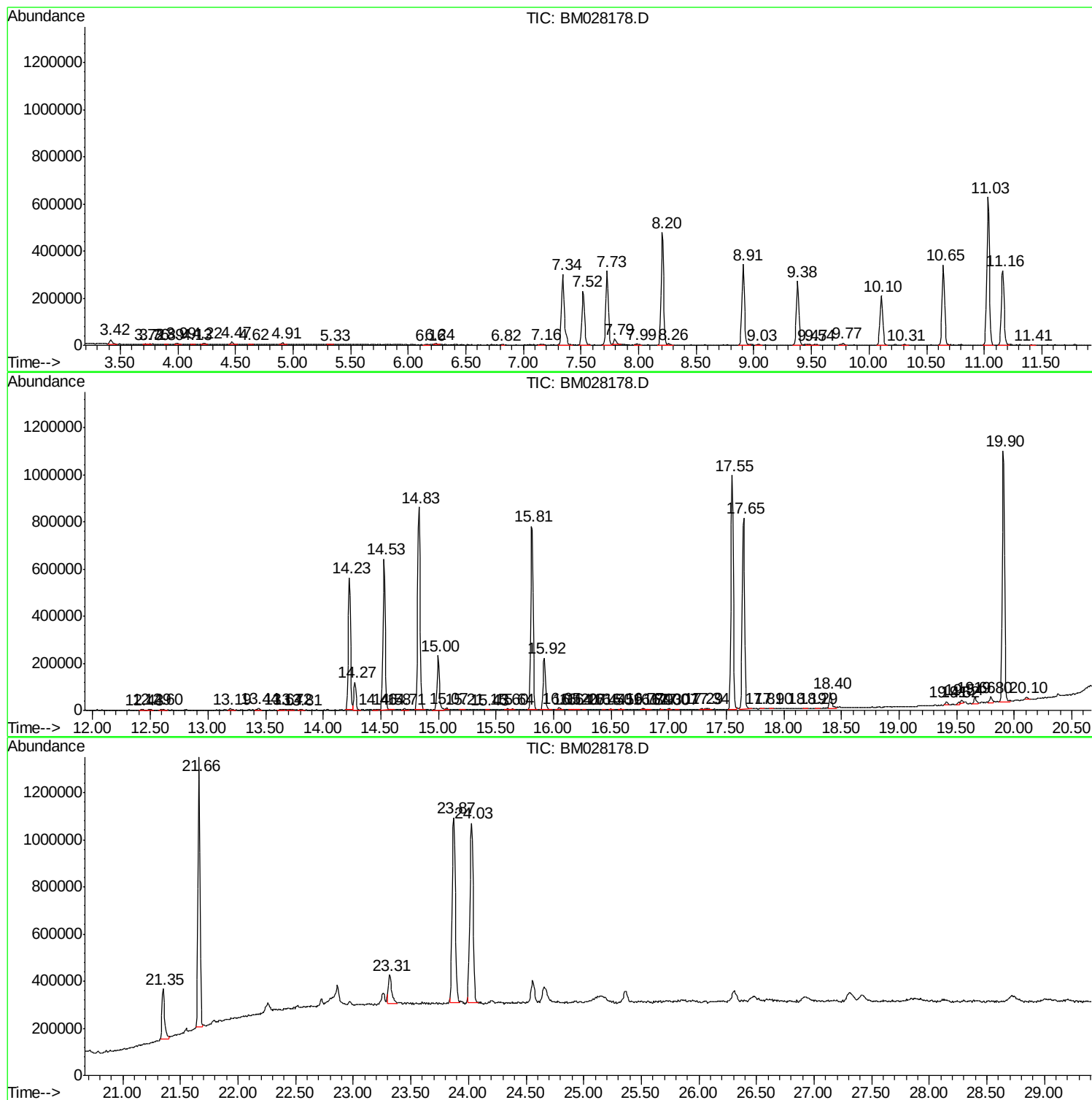
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Instrument :  
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ClientSampled :  
A54H2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121520MA.M  
Quant Title : SVOA CALIBRATION

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



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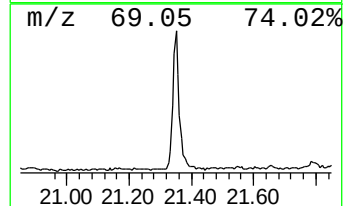
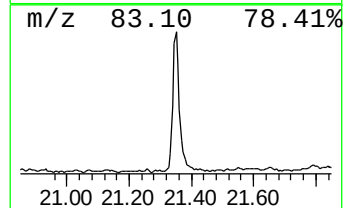
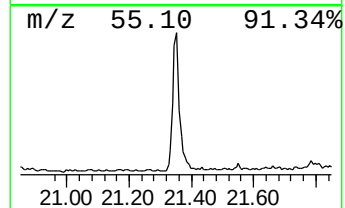
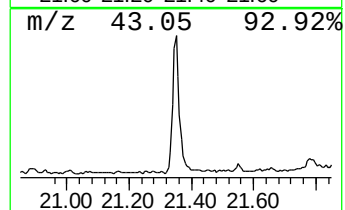
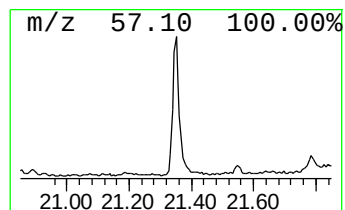
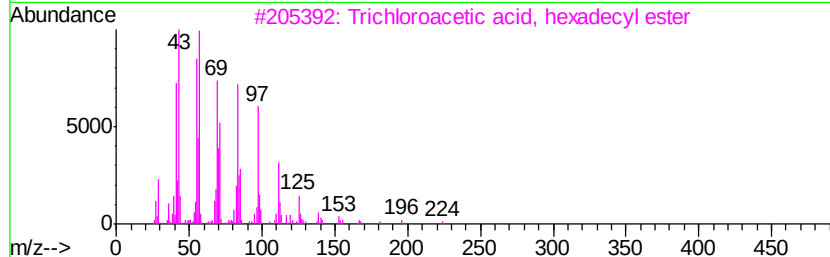
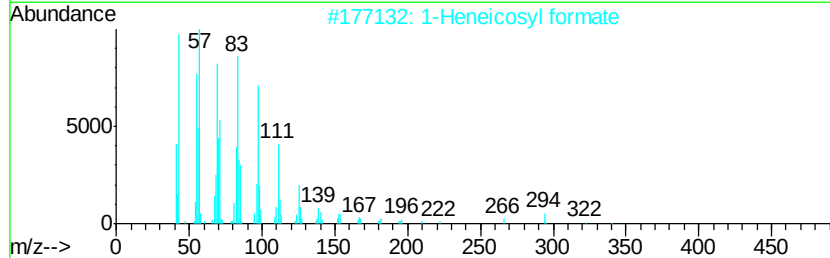
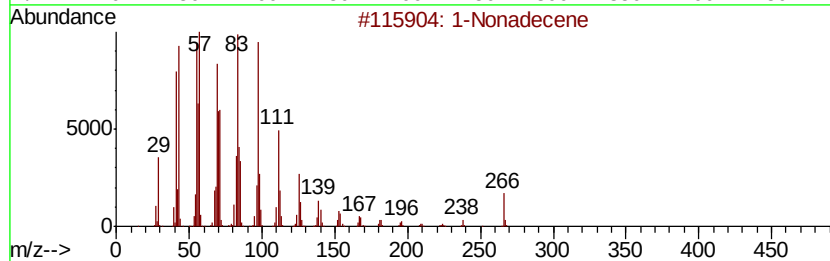
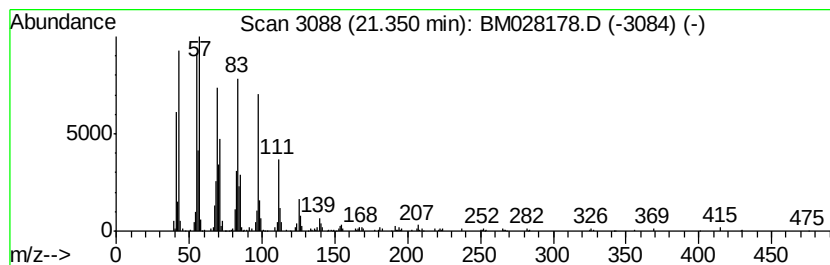
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121520MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.        |             |      |
|---------|------------|-------------------------------------|------------------|-------------|-------------|------|
| 21.35   | 4.31 ng/ul | 316922                              | Chrysene-d12     | 21.66       |             |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm     | CAS#        | Qual |
| 1       |            | 1-Nonadecene                        | 266              | C19H38      | 018435-45-5 | 97   |
| 2       |            | 1-Heneicosyl formate                | 340              | C22H44O2    | 077899-03-7 | 94   |
| 3       |            | Trichloroacetic acid, hexadecyl ... | 386              | C18H33Cl3O2 | 074339-54-1 | 94   |
| 4       |            | 1-Tricosene                         | 322              | C23H46      | 018835-32-0 | 93   |
| 5       |            | Trifluoroacetic acid, pentadecyl... | 324              | C17H31F3O2  | 959010-23-2 | 93   |



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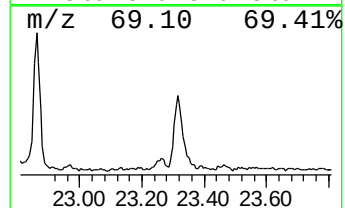
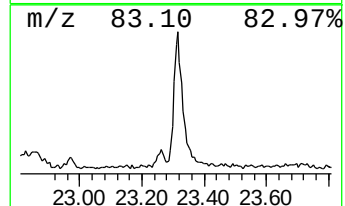
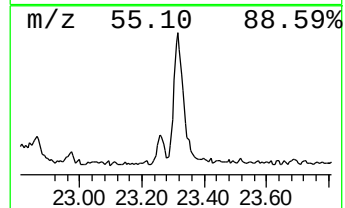
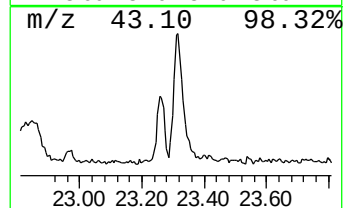
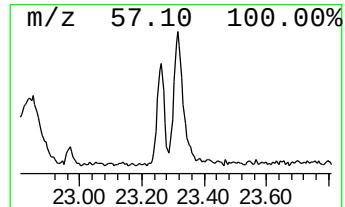
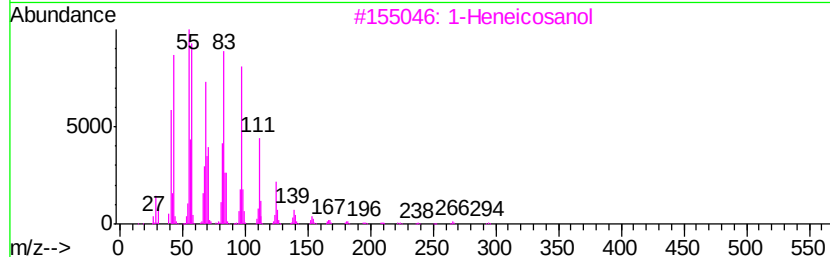
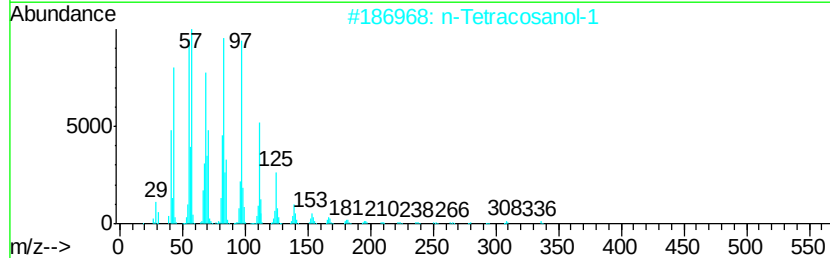
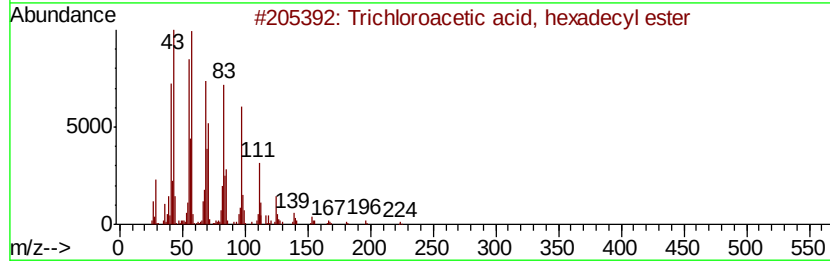
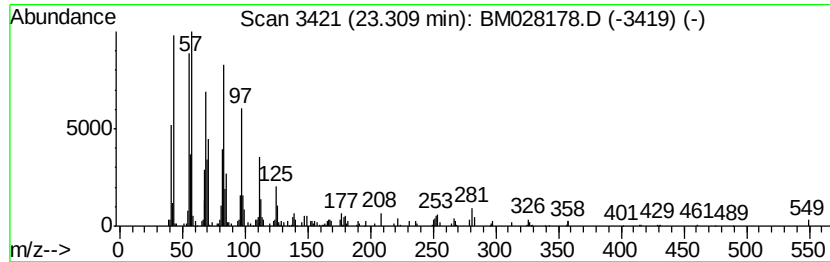
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Trichloroacetic acid, hexad... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.31 | 3.37 ng/ul | 250995 | Perylene-d12     | 24.03 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94   |
| 2    |    | n-Tetracosanol-1                    | 354 | C24H50O     | 000506-51-4 | 94   |
| 3    |    | 1-Heneicosanol                      | 312 | C21H44O     | 015594-90-8 | 93   |
| 4    |    | Behenic alcohol                     | 326 | C22H46O     | 000661-19-8 | 90   |
| 5    |    | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7 | 87   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 21.35 | 4.3     | ng/ul | 316922   | 5                     | 21.66 | 1469370 | 20.0 |
| Trichloroacetic a... | 23.31 | 3.4     | ng/ul | 250995   | 6                     | 24.03 | 1491430 | 20.0 |