

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021916\  
 Data File : BM004288.D  
 Acq On : 19 Feb 2016 16:07  
 Operator : SJ/UM  
 Sample : H1497-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 0311-SS32A

## 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\_M\METHODS\SOM02.2-EPA-BM021216.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         | 2.746       | 6             | 10          | 21           | rBV      | 30084          | 51843         | 5.47%           | 0.612%        |
| 2         | 2.828       | 21            | 24          | 32           | rVB      | 9481           | 11928         | 1.26%           | 0.141%        |
| 3         | 3.087       | 65            | 68          | 74           | rVB      | 3581           | 4563          | 0.48%           | 0.054%        |
| 4         | 6.822       | 698           | 703         | 714          | rBB      | 82275          | 131791        | 13.90%          | 1.555%        |
| 5         | 6.969       | 722           | 728         | 736          | rBB      | 75887          | 112801        | 11.90%          | 1.331%        |
| 6         | 7.169       | 756           | 762         | 771          | rBB      | 96153          | 146498        | 15.45%          | 1.728%        |
| 7         | 7.628       | 835           | 840         | 847          | rBB      | 78561          | 123826        | 13.06%          | 1.461%        |
| 8         | 8.357       | 958           | 964         | 975          | rBB      | 118848         | 188575        | 19.89%          | 2.224%        |
| 9         | 8.793       | 1032          | 1038        | 1047         | rBB      | 90479          | 144850        | 15.28%          | 1.709%        |
| 10        | 8.940       | 1060          | 1063        | 1068         | rBB      | 1546           | 2557          | 0.27%           | 0.030%        |
| 11        | 9.510       | 1155          | 1160        | 1168         | rBB      | 80242          | 126706        | 13.37%          | 1.495%        |
| 12        | 10.057      | 1247          | 1253        | 1265         | rBV      | 124217         | 201330        | 21.24%          | 2.375%        |
| 13        | 10.416      | 1308          | 1314        | 1322         | rBB      | 131996         | 213182        | 22.49%          | 2.515%        |
| 14        | 10.569      | 1333          | 1340        | 1354         | rBV      | 118272         | 209408        | 22.09%          | 2.470%        |
| 15        | 12.022      | 1584          | 1587        | 1590         | rBB      | 1211           | 1552          | 0.16%           | 0.018%        |
| 16        | 13.704      | 1867          | 1873        | 1878         | rBV      | 286619         | 405389        | 42.76%          | 4.782%        |
| 17        | 13.751      | 1878          | 1881        | 1888         | rVB      | 139909         | 180872        | 19.08%          | 2.134%        |
| 18        | 13.986      | 1914          | 1921        | 1934         | rBB      | 312393         | 464087        | 48.95%          | 5.475%        |
| 19        | 14.151      | 1945          | 1949        | 1952         | rBV2     | 5523           | 8753          | 0.92%           | 0.103%        |
| 20        | 14.186      | 1952          | 1955        | 1962         | rVB      | 9595           | 13019         | 1.37%           | 0.154%        |
| 21        | 14.292      | 1967          | 1973        | 1980         | rBB2     | 216552         | 327776        | 34.57%          | 3.867%        |
| 22        | 14.539      | 2010          | 2015        | 2029         | rBV      | 82446          | 152080        | 16.04%          | 1.794%        |
| 23        | 14.633      | 2029          | 2031        | 2033         | rVB      | 1524           | 1316          | 0.14%           | 0.016%        |
| 24        | 14.686      | 2038          | 2040        | 2044         | rVB      | 1057           | 1292          | 0.14%           | 0.015%        |
| 25        | 14.804      | 2058          | 2060        | 2063         | rBB      | 1903           | 1884          | 0.20%           | 0.022%        |
| 26        | 15.092      | 2106          | 2109        | 2113         | rBB      | 3160           | 3706          | 0.39%           | 0.044%        |
| 27        | 15.145      | 2114          | 2118        | 2122         | rBB      | 14534          | 17204         | 1.81%           | 0.203%        |
| 28        | 15.292      | 2137          | 2143        | 2152         | rBB      | 444773         | 618161        | 65.21%          | 7.292%        |
| 29        | 15.433      | 2163          | 2167        | 2177         | rBB      | 116864         | 156084        | 16.46%          | 1.841%        |
| 30        | 15.533      | 2181          | 2184        | 2191         | rBB3     | 5423           | 10049         | 1.06%           | 0.119%        |
| 31        | 15.645      | 2201          | 2203        | 2205         | rBB      | 1184           | 1181          | 0.12%           | 0.014%        |
| 32        | 15.698      | 2210          | 2212        | 2215         | rBB      | 1703           | 1642          | 0.17%           | 0.019%        |
| 33        | 15.769      | 2221          | 2224        | 2226         | rBB      | 1161           | 977           | 0.10%           | 0.012%        |
| 34        | 16.010      | 2261          | 2265        | 2275         | rBV      | 16337          | 27177         | 2.87%           | 0.321%        |

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 Peak separation: 5

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 35 | 16.351 | 2320 | 2323 | 2327 | rBV2 | 1998   | 2951   | 0.31%   | 0.035%  |
| 36 | 16.416 | 2330 | 2334 | 2336 | rBB  | 1131   | 1253   | 0.13%   | 0.015%  |
| 37 | 16.469 | 2341 | 2343 | 2345 | rBB  | 1093   | 971    | 0.10%   | 0.011%  |
| 38 | 16.516 | 2349 | 2351 | 2354 | rBB  | 1543   | 1432   | 0.15%   | 0.017%  |
| 39 | 16.798 | 2395 | 2399 | 2403 | rBV  | 11172  | 13393  | 1.41%   | 0.158%  |
| 40 | 16.851 | 2403 | 2408 | 2412 | rVB2 | 3374   | 5427   | 0.57%   | 0.064%  |
| 41 | 17.045 | 2435 | 2441 | 2448 | rBV2 | 302269 | 420439 | 44.35%  | 4.960%  |
| 42 | 17.145 | 2452 | 2458 | 2470 | rVB2 | 492959 | 704089 | 74.27%  | 8.306%  |
| 43 | 17.539 | 2522 | 2525 | 2528 | rBB  | 5646   | 6546   | 0.69%   | 0.077%  |
| 44 | 17.945 | 2591 | 2594 | 2599 | rBB  | 6432   | 7726   | 0.81%   | 0.091%  |
| 45 | 18.016 | 2603 | 2606 | 2609 | rBB  | 815    | 1004   | 0.11%   | 0.012%  |
| 46 | 18.233 | 2640 | 2643 | 2645 | rBB  | 2552   | 2710   | 0.29%   | 0.032%  |
| 47 | 18.368 | 2663 | 2666 | 2668 | rBB  | 1236   | 960    | 0.10%   | 0.011%  |
| 48 | 19.092 | 2785 | 2789 | 2795 | rBV  | 4712   | 5262   | 0.56%   | 0.062%  |
| 49 | 19.345 | 2828 | 2832 | 2836 | rBV  | 3883   | 4379   | 0.46%   | 0.052%  |
| 50 | 19.457 | 2844 | 2851 | 2859 | rBV  | 673437 | 892014 | 94.09%  | 10.522% |
| 51 | 19.515 | 2859 | 2861 | 2866 | rVB  | 1261   | 1537   | 0.16%   | 0.018%  |
| 52 | 19.968 | 2935 | 2938 | 2943 | rVB3 | 2819   | 2800   | 0.30%   | 0.033%  |
| 53 | 20.610 | 3044 | 3047 | 3049 | rVB  | 1538   | 1409   | 0.15%   | 0.017%  |
| 54 | 20.898 | 3094 | 3096 | 3100 | rBV3 | 1617   | 2252   | 0.24%   | 0.027%  |
| 55 | 20.957 | 3101 | 3106 | 3120 | rVV  | 161897 | 207332 | 21.87%  | 2.446%  |
| 56 | 21.162 | 3137 | 3141 | 3145 | rBV  | 14016  | 16658  | 1.76%   | 0.197%  |
| 57 | 21.257 | 3152 | 3157 | 3171 | rBV  | 431479 | 561389 | 59.22%  | 6.622%  |
| 58 | 21.362 | 3172 | 3175 | 3179 | rBV6 | 2026   | 2430   | 0.26%   | 0.029%  |
| 59 | 21.404 | 3179 | 3182 | 3185 | rBV4 | 4479   | 5784   | 0.61%   | 0.068%  |
| 60 | 21.845 | 3255 | 3257 | 3267 | rVB4 | 8291   | 10691  | 1.13%   | 0.126%  |
| 61 | 22.409 | 3350 | 3353 | 3359 | rVB2 | 11865  | 14002  | 1.48%   | 0.165%  |
| 62 | 23.345 | 3504 | 3512 | 3527 | rBV  | 522396 | 948022 | 100.00% | 11.183% |
| 63 | 23.486 | 3528 | 3536 | 3547 | rVB2 | 281768 | 544481 | 57.43%  | 6.423%  |
| 64 | 24.056 | 3629 | 3633 | 3646 | rVB6 | 10422  | 23808  | 2.51%   | 0.281%  |

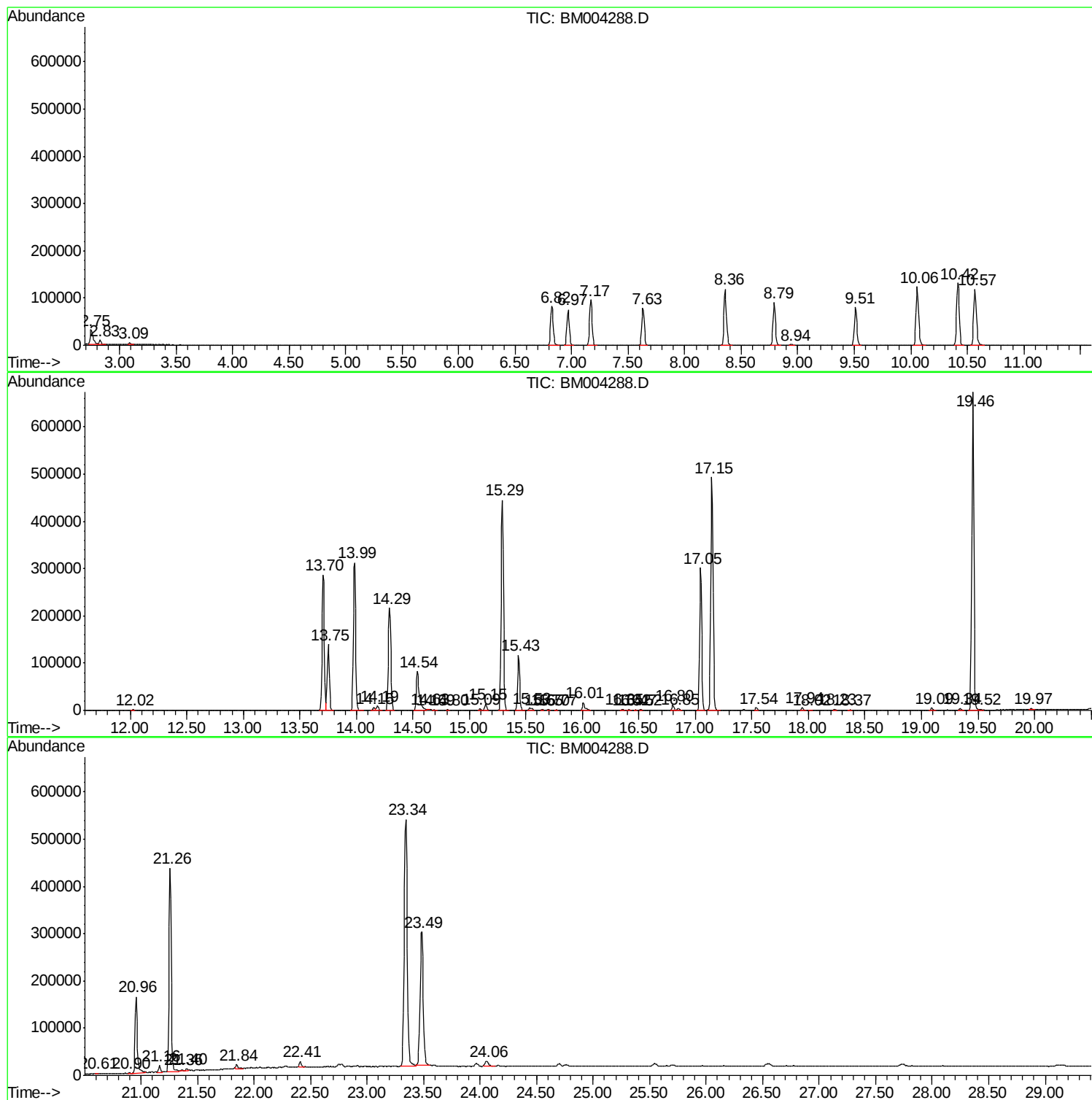
Sum of corrected areas: 8477210

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM021216.M  
Quant Title : SVOA CALIBRATION

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



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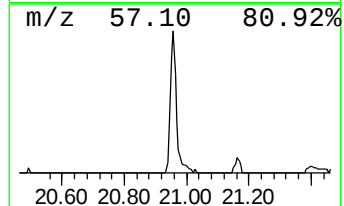
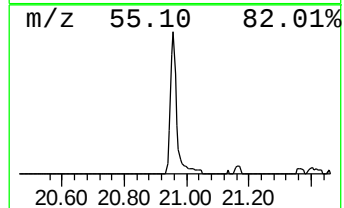
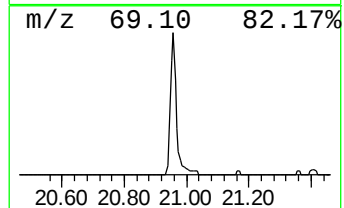
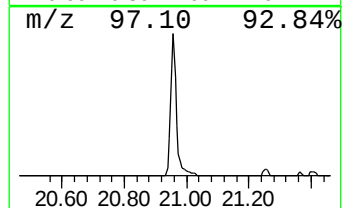
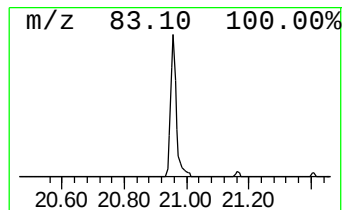
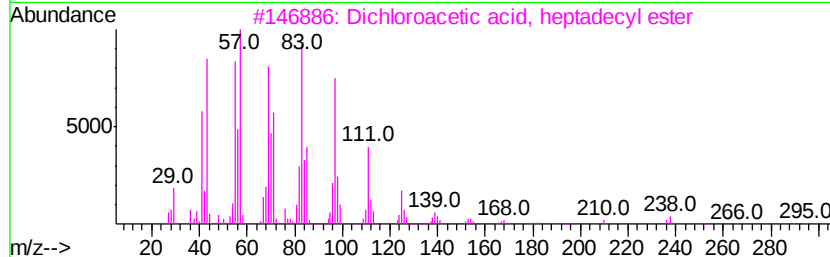
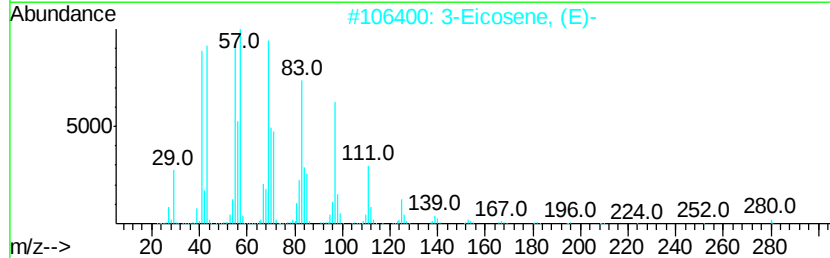
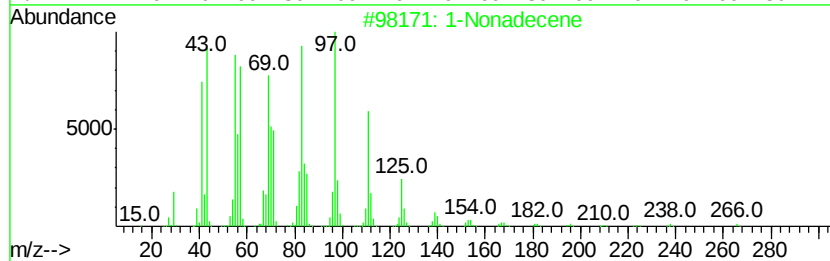
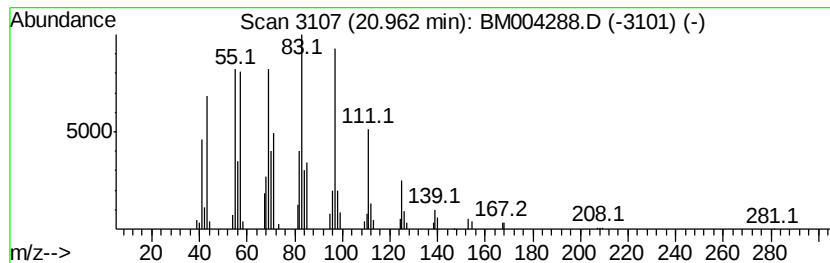
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Quant Title : SVOA CALIBRATION

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

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Peak Number 2 (DEL) Alkane: Cyclic20.96 Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 20.96   | 7.39 ng/ul                          | 207332       | Chrysene-d12     | 21.26           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | 1-Nonadecene                        |              | 266 C19H38       | 018435-45-5 94  |
| 2       | 3-Eicosene, (E)-                    |              | 280 C20H40       | 074685-33-9 91  |
| 3       | Dichloroacetic acid, heptadecyl ... |              | 366 C19H36Cl2O2  | 1000282-98-2 91 |
| 4       | 1-Nonadecanol                       |              | 284 C19H40O      | 001454-84-8 91  |
| 5       | Trichloroacetic acid, hexadecyl ... |              | 386 C18H33Cl3O2  | 074339-54-1 91  |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: Cyc... | 20.96 | 7.4     | ng/ul | 207332   | 5                     | 21.26 | 561389 | 20.0 |