

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP032921\  
 Data File : BP005090.D  
 Acq On : 30 Mar 2021 00:10  
 Operator : CG/JU  
 Sample : M1783-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0G09

## 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\_P\METHODS\SOM-EPA-BP032921MA.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         | 3.222       | 19            | 23          | 27           | rVB2     | 5343           | 6731          | 0.76%           | 0.088%        |
| 2         | 3.522       | 69            | 74          | 77           | rBV7     | 1073           | 1882          | 0.21%           | 0.025%        |
| 3         | 3.658       | 95            | 97          | 100          | rVB4     | 1254           | 1161          | 0.13%           | 0.015%        |
| 4         | 3.699       | 100           | 104         | 106          | rBV4     | 1354           | 1362          | 0.15%           | 0.018%        |
| 5         | 3.840       | 126           | 128         | 135          | rVB6     | 1654           | 2750          | 0.31%           | 0.036%        |
| 6         | 3.946       | 143           | 146         | 149          | rVB4     | 1355           | 1425          | 0.16%           | 0.019%        |
| 7         | 4.005       | 154           | 156         | 158          | rVB3     | 947            | 891           | 0.10%           | 0.012%        |
| 8         | 4.793       | 287           | 290         | 293          | rBV5     | 787            | 1013          | 0.11%           | 0.013%        |
| 9         | 5.052       | 329           | 334         | 340          | rBV2     | 13561          | 21059         | 2.37%           | 0.275%        |
| 10        | 5.163       | 351           | 353         | 358          | rBV5     | 852            | 1539          | 0.17%           | 0.020%        |
| 11        | 5.299       | 373           | 376         | 380          | rVB5     | 757            | 944           | 0.11%           | 0.012%        |
| 12        | 6.057       | 503           | 505         | 508          | rBV3     | 921            | 895           | 0.10%           | 0.012%        |
| 13        | 6.310       | 544           | 548         | 550          | rVB4     | 580            | 888           | 0.10%           | 0.012%        |
| 14        | 6.516       | 578           | 583         | 586          | rVB7     | 612            | 1103          | 0.12%           | 0.014%        |
| 15        | 6.551       | 586           | 589         | 591          | rBV3     | 755            | 952           | 0.11%           | 0.012%        |
| 16        | 6.887       | 640           | 646         | 658          | rVB      | 28797          | 48061         | 5.41%           | 0.627%        |
| 17        | 7.051       | 668           | 674         | 684          | rBV      | 85466          | 139585        | 15.72%          | 1.820%        |
| 18        | 7.246       | 699           | 707         | 719          | rBV      | 103380         | 165441        | 18.63%          | 2.157%        |
| 19        | 7.604       | 766           | 768         | 772          | rVB5     | 1015           | 1287          | 0.14%           | 0.017%        |
| 20        | 7.716       | 779           | 787         | 798          | rBV      | 99301          | 169530        | 19.09%          | 2.211%        |
| 21        | 8.063       | 839           | 846         | 851          | rBV4     | 6308           | 10706         | 1.21%           | 0.140%        |
| 22        | 8.198       | 865           | 869         | 871          | rBV5     | 540            | 902           | 0.10%           | 0.012%        |
| 23        | 8.422       | 900           | 907         | 916          | rBV2     | 79972          | 126237        | 14.22%          | 1.646%        |
| 24        | 8.869       | 977           | 983         | 995          | rBV      | 113390         | 190907        | 21.50%          | 2.489%        |
| 25        | 9.045       | 1008          | 1013        | 1015         | rBV6     | 627            | 899           | 0.10%           | 0.012%        |
| 26        | 9.281       | 1050          | 1053        | 1058         | rVB4     | 2821           | 4131          | 0.47%           | 0.054%        |
| 27        | 9.587       | 1097          | 1105        | 1115         | rBV      | 102256         | 173068        | 19.49%          | 2.257%        |
| 28        | 10.128      | 1190          | 1197        | 1213         | rBV      | 135925         | 242577        | 27.32%          | 3.163%        |
| 29        | 10.369      | 1232          | 1238        | 1243         | rBV8     | 1349           | 2323          | 0.26%           | 0.030%        |
| 30        | 10.504      | 1253          | 1261        | 1272         | rVB      | 134737         | 227166        | 25.58%          | 2.962%        |
| 31        | 10.657      | 1278          | 1287        | 1294         | rBV6     | 5694           | 12445         | 1.40%           | 0.162%        |
| 32        | 11.781      | 1474          | 1478        | 1482         | rBV4     | 1114           | 1695          | 0.19%           | 0.022%        |
| 33        | 12.110      | 1529          | 1534        | 1539         | rBV6     | 1849           | 3535          | 0.40%           | 0.046%        |
| 34        | 12.381      | 1577          | 1580        | 1584         | rBV5     | 598            | 935           | 0.11%           | 0.012%        |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP032921MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 13.081 | 1694 | 1699 | 1702 | rBV5 | 541    | 1059   | 0.12%  | 0.014% |
| 36 | 13.192 | 1715 | 1718 | 1723 | rVB7 | 2204   | 3038   | 0.34%  | 0.040% |
| 37 | 13.333 | 1739 | 1742 | 1746 | rVB6 | 1968   | 2551   | 0.29%  | 0.033% |
| 38 | 13.780 | 1811 | 1818 | 1824 | rBV  | 295479 | 404962 | 45.61% | 5.281% |
| 39 | 13.828 | 1824 | 1826 | 1830 | rVV  | 6496   | 7307   | 0.82%  | 0.095% |
| 40 | 13.892 | 1835 | 1837 | 1843 | rVB6 | 798    | 1274   | 0.14%  | 0.017% |
| 41 | 14.057 | 1856 | 1865 | 1876 | rBV  | 331732 | 471742 | 53.13% | 6.152% |
| 42 | 14.275 | 1898 | 1902 | 1905 | rBV6 | 912    | 1185   | 0.13%  | 0.015% |
| 43 | 14.369 | 1910 | 1918 | 1927 | rVV  | 220743 | 331088 | 37.29% | 4.317% |
| 44 | 14.433 | 1927 | 1929 | 1936 | rVB7 | 669    | 965    | 0.11%  | 0.013% |
| 45 | 14.580 | 1947 | 1954 | 1964 | rBV2 | 11586  | 30142  | 3.39%  | 0.393% |
| 46 | 15.004 | 2023 | 2026 | 2032 | rVB7 | 791    | 1165   | 0.13%  | 0.015% |
| 47 | 15.233 | 2062 | 2065 | 2069 | rBV6 | 1254   | 1685   | 0.19%  | 0.022% |
| 48 | 15.363 | 2080 | 2087 | 2095 | rBV  | 423493 | 602710 | 67.88% | 7.859% |
| 49 | 15.486 | 2101 | 2108 | 2117 | rBV  | 166162 | 231376 | 26.06% | 3.017% |
| 50 | 15.604 | 2122 | 2128 | 2133 | rVB3 | 4373   | 6489   | 0.73%  | 0.085% |
| 51 | 15.904 | 2177 | 2179 | 2182 | rBV4 | 692    | 972    | 0.11%  | 0.013% |
| 52 | 15.927 | 2182 | 2183 | 2188 | rVV5 | 641    | 1052   | 0.12%  | 0.014% |
| 53 | 16.051 | 2200 | 2204 | 2209 | rVB7 | 1387   | 2416   | 0.27%  | 0.032% |
| 54 | 16.151 | 2218 | 2221 | 2224 | rVV4 | 1774   | 2053   | 0.23%  | 0.027% |
| 55 | 16.363 | 2252 | 2257 | 2259 | rBV6 | 1755   | 2156   | 0.24%  | 0.028% |
| 56 | 16.527 | 2280 | 2285 | 2288 | rVB7 | 887    | 1335   | 0.15%  | 0.017% |
| 57 | 16.910 | 2346 | 2350 | 2352 | rBV5 | 974    | 1630   | 0.18%  | 0.021% |
| 58 | 17.004 | 2362 | 2366 | 2368 | rBV5 | 953    | 975    | 0.11%  | 0.013% |
| 59 | 17.121 | 2380 | 2386 | 2397 | rBV  | 275961 | 401715 | 45.24% | 5.238% |
| 60 | 17.221 | 2397 | 2403 | 2418 | rVV2 | 492277 | 724611 | 81.61% | 9.449% |
| 61 | 17.369 | 2426 | 2428 | 2434 | rVB6 | 1752   | 2353   | 0.26%  | 0.031% |
| 62 | 17.439 | 2439 | 2440 | 2446 | rVB5 | 771    | 1065   | 0.12%  | 0.014% |
| 63 | 17.486 | 2446 | 2448 | 2449 | rBV2 | 1160   | 957    | 0.11%  | 0.012% |
| 64 | 17.921 | 2518 | 2522 | 2524 | rVB5 | 1401   | 1796   | 0.20%  | 0.023% |
| 65 | 18.021 | 2535 | 2539 | 2551 | rBV2 | 20715  | 32663  | 3.68%  | 0.426% |
| 66 | 18.163 | 2558 | 2563 | 2564 | rVB4 | 977    | 1128   | 0.13%  | 0.015% |
| 67 | 18.310 | 2583 | 2588 | 2591 | rVV6 | 968    | 1796   | 0.20%  | 0.023% |
| 68 | 18.504 | 2616 | 2621 | 2623 | rBV4 | 2600   | 3344   | 0.38%  | 0.044% |
| 69 | 18.733 | 2656 | 2660 | 2661 | rBV4 | 1061   | 1304   | 0.15%  | 0.017% |
| 70 | 18.757 | 2661 | 2664 | 2669 | rVB5 | 5517   | 6046   | 0.68%  | 0.079% |
| 71 | 18.839 | 2675 | 2678 | 2679 | rBV3 | 1009   | 943    | 0.11%  | 0.012% |

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|----|--------|------|------|------|------|--------|--------|---------|---------|
| 72 | 18.857 | 2679 | 2681 | 2685 | rVB3 | 1880   | 2038   | 0.23%   | 0.027%  |
| 73 | 18.898 | 2685 | 2688 | 2689 | rBV3 | 907    | 928    | 0.10%   | 0.012%  |
| 74 | 19.051 | 2711 | 2714 | 2715 | rVB2 | 1185   | 934    | 0.11%   | 0.012%  |
| 75 | 19.092 | 2719 | 2721 | 2722 | rBV2 | 1272   | 962    | 0.11%   | 0.013%  |
| 76 | 19.116 | 2722 | 2725 | 2730 | rVV3 | 5587   | 7344   | 0.83%   | 0.096%  |
| 77 | 19.263 | 2747 | 2750 | 2754 | rVV5 | 4340   | 5960   | 0.67%   | 0.078%  |
| 78 | 19.363 | 2763 | 2767 | 2774 | rBV4 | 6550   | 11274  | 1.27%   | 0.147%  |
| 79 | 19.468 | 2779 | 2785 | 2796 | rVV  | 669430 | 855479 | 96.35%  | 11.156% |
| 80 | 20.939 | 3031 | 3035 | 3043 | rBV2 | 47982  | 89293  | 10.06%  | 1.164%  |
| 81 | 21.221 | 3078 | 3083 | 3090 | rBV  | 352128 | 453368 | 51.06%  | 5.912%  |
| 82 | 23.356 | 3439 | 3446 | 3457 | rVB  | 459012 | 887926 | 100.00% | 11.579% |
| 83 | 23.503 | 3464 | 3471 | 3479 | rVB2 | 238447 | 452721 | 50.99%  | 5.904%  |
| 84 | 24.068 | 3563 | 3567 | 3573 | rVB5 | 22248  | 43308  | 4.88%   | 0.565%  |

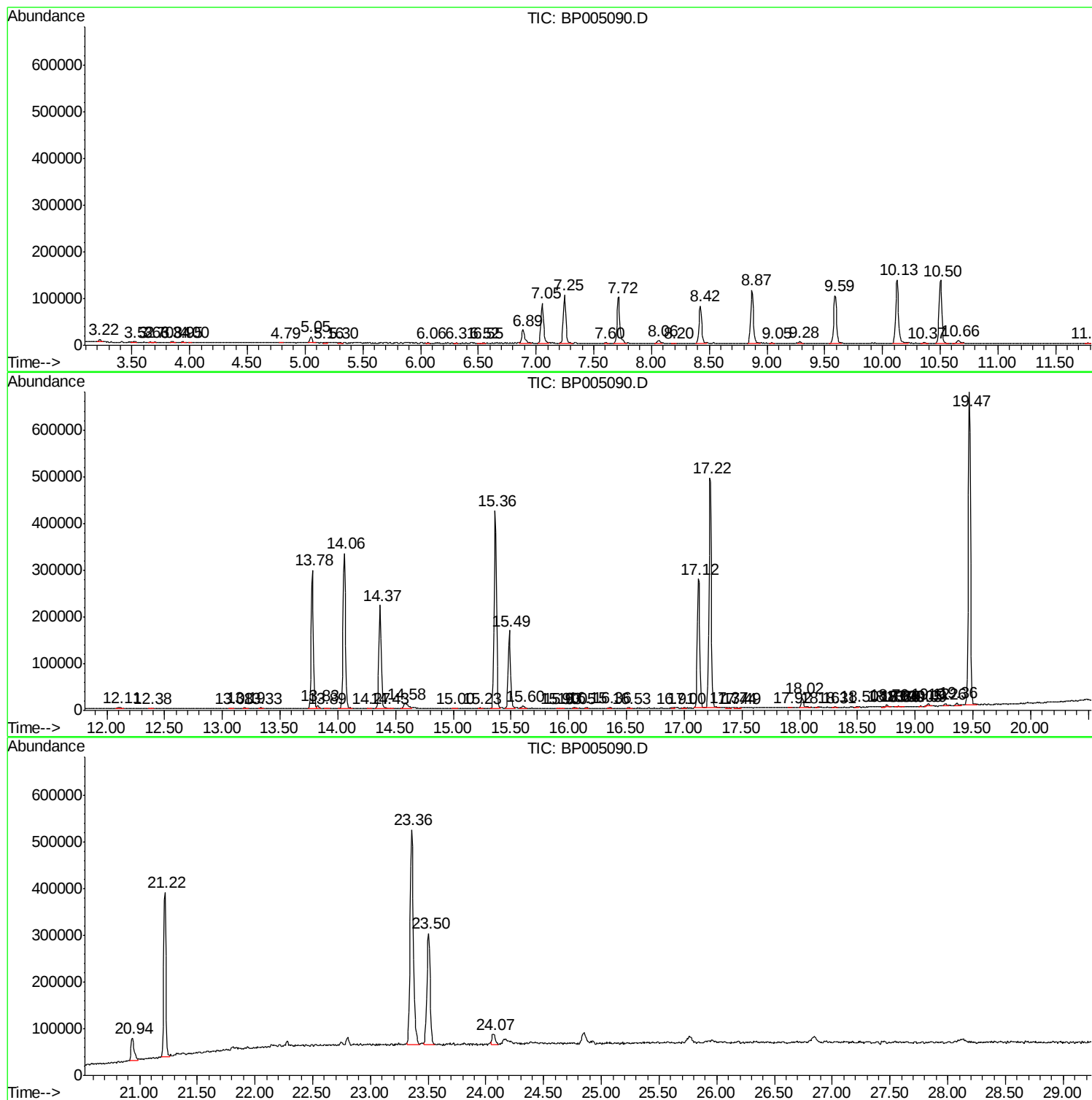
Sum of corrected areas: 7668608

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP032921MA.M  
Quant Title : SVOA CALIBRATION

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



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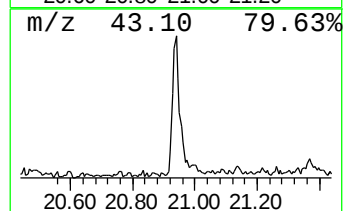
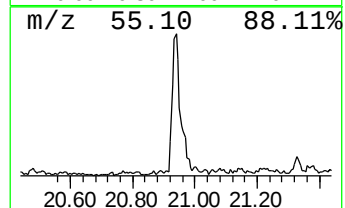
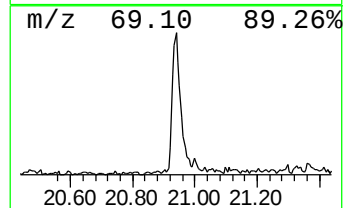
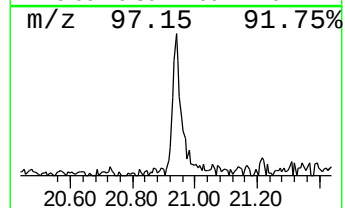
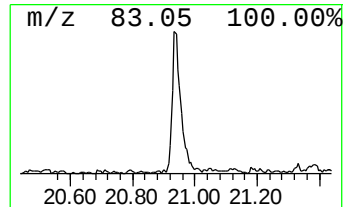
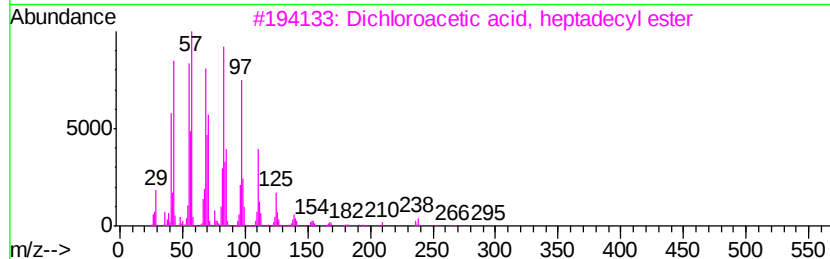
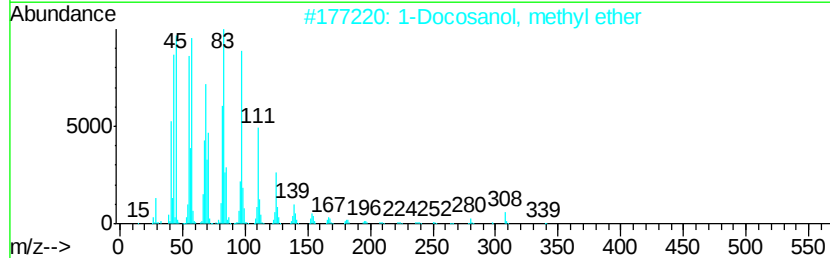
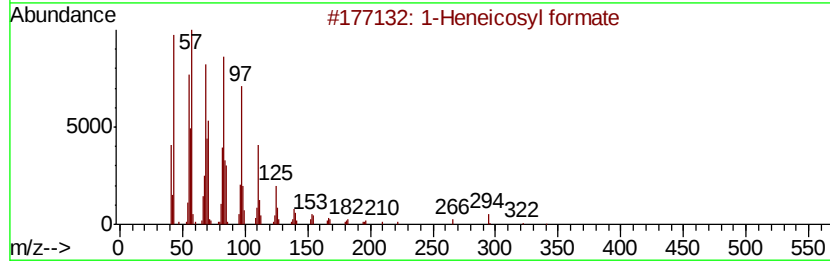
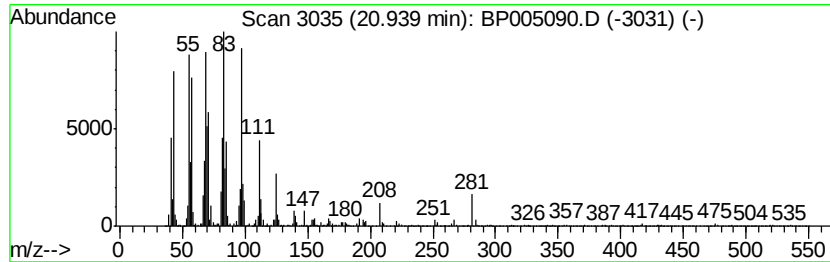
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 1-Heneicosyl formate Concentration Rank 1

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 20.94 | 3.94 ng/ul | 89293 | Chrysene-d12     | 21.22 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm     | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|-------------|--------------|------|
| 1       | 1-Heneicosyl formate                |              | 340 | C22H44O2    | 077899-03-7  | 93   |
| 2       | 1-Docosanol, methyl ether           |              | 340 | C23H48O     | 1000333-91-9 | 92   |
| 3       | Dichloroacetic acid, heptadecyl ... |              | 366 | C19H36Cl2O2 | 1000282-98-2 | 90   |
| 4       | 1-Heneicosanol                      |              | 312 | C21H44O     | 015594-90-8  | 90   |
| 5       | Behenic alcohol                     |              | 326 | C22H46O     | 000661-19-8  | 90   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 1-Heneicosyl formate | 20.94 | 3.9     | ng/ul | 89293    | 5                     | 21.22 | 453368 | 20.0 |