

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\  
 Data File : BM022935.D  
 Acq On : 04 Oct 2019 00:38  
 Operator : JU  
 Sample : K4988-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ESNY6

## 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-BM092719MA.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         | 3.269       | 45            | 48          | 59           | rVB      | 26957          | 42034         | 1.43%           | 0.120%        |
| 2         | 3.687       | 116           | 119         | 123          | rVB2     | 9906           | 12312         | 0.42%           | 0.035%        |
| 3         | 3.781       | 131           | 135         | 143          | rVV      | 47999          | 63334         | 2.16%           | 0.181%        |
| 4         | 3.852       | 144           | 147         | 152          | rVV2     | 7156           | 10889         | 0.37%           | 0.031%        |
| 5         | 3.911       | 152           | 157         | 165          | rVV      | 43530          | 67144         | 2.29%           | 0.192%        |
| 6         | 3.999       | 169           | 172         | 177          | rVB2     | 8395           | 11209         | 0.38%           | 0.032%        |
| 7         | 4.093       | 185           | 188         | 194          | rVB      | 14428          | 20045         | 0.68%           | 0.057%        |
| 8         | 4.446       | 245           | 248         | 252          | rVB      | 6931           | 9926          | 0.34%           | 0.028%        |
| 9         | 4.552       | 263           | 266         | 271          | rBV5     | 5681           | 7644          | 0.26%           | 0.022%        |
| 10        | 4.916       | 324           | 328         | 341          | rVB      | 30972          | 48521         | 1.65%           | 0.139%        |
| 11        | 6.187       | 540           | 544         | 549          | rVB      | 12808          | 16185         | 0.55%           | 0.046%        |
| 12        | 6.481       | 590           | 594         | 600          | rVB2     | 4305           | 6722          | 0.23%           | 0.019%        |
| 13        | 6.963       | 667           | 676         | 689          | rBV2     | 458976         | 862948        | 29.43%          | 2.470%        |
| 14        | 7.128       | 698           | 704         | 721          | rBV      | 354600         | 581693        | 19.84%          | 1.665%        |
| 15        | 7.328       | 732           | 738         | 751          | rVB      | 496245         | 779379        | 26.58%          | 2.231%        |
| 16        | 7.428       | 751           | 755         | 761          | rVB      | 4231           | 5898          | 0.20%           | 0.017%        |
| 17        | 7.793       | 810           | 817         | 825          | rBV      | 746317         | 1173202       | 40.01%          | 3.358%        |
| 18        | 7.869       | 826           | 830         | 834          | rVB2     | 6000           | 9056          | 0.31%           | 0.026%        |
| 19        | 8.499       | 931           | 937         | 948          | rBV      | 444330         | 697741        | 23.79%          | 1.997%        |
| 20        | 8.622       | 953           | 958         | 964          | rVB      | 14963          | 24952         | 0.85%           | 0.071%        |
| 21        | 8.946       | 1007          | 1013        | 1023         | rVB      | 440429         | 726990        | 24.79%          | 2.081%        |
| 22        | 9.393       | 1084          | 1089        | 1094         | rVB      | 17959          | 24548         | 0.84%           | 0.070%        |
| 23        | 9.669       | 1129          | 1136        | 1152         | rBV      | 359806         | 595690        | 20.31%          | 1.705%        |
| 24        | 10.210      | 1218          | 1228        | 1241         | rBV      | 594943         | 991221        | 33.80%          | 2.837%        |
| 25        | 10.363      | 1248          | 1254        | 1262         | rVB      | 40488          | 67355         | 2.30%           | 0.193%        |
| 26        | 10.587      | 1284          | 1292        | 1302         | rBV      | 1048133        | 1776685       | 60.59%          | 5.086%        |
| 27        | 10.716      | 1306          | 1314        | 1327         | rBV      | 384447         | 712281        | 24.29%          | 2.039%        |
| 28        | 11.622      | 1461          | 1468        | 1476         | rBV5     | 6421           | 14011         | 0.48%           | 0.040%        |
| 29        | 12.022      | 1530          | 1536        | 1541         | rBV3     | 12971          | 19602         | 0.67%           | 0.056%        |
| 30        | 12.175      | 1553          | 1562        | 1571         | rBV4     | 8401           | 17397         | 0.59%           | 0.050%        |
| 31        | 12.981      | 1695          | 1699        | 1702         | rVB      | 6344           | 8793          | 0.30%           | 0.025%        |
| 32        | 13.263      | 1740          | 1747        | 1752         | rBV2     | 18343          | 28801         | 0.98%           | 0.082%        |
| 33        | 13.322      | 1752          | 1757        | 1761         | rVV2     | 25538          | 35919         | 1.22%           | 0.103%        |
| 34        | 13.451      | 1775          | 1779        | 1785         | rVB3     | 7939           | 12761         | 0.44%           | 0.037%        |

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|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.839 | 1837 | 1845 | 1849 | rBV  | 1086193 | 1465024 | 49.96% | 4.193% |
| 36 | 13.886 | 1849 | 1853 | 1858 | rVV  | 351466  | 486930  | 16.61% | 1.394% |
| 37 | 13.922 | 1858 | 1859 | 1863 | rVB3 | 11848   | 12094   | 0.41%  | 0.035% |
| 38 | 14.051 | 1877 | 1881 | 1884 | rBV3 | 4794    | 7415    | 0.25%  | 0.021% |
| 39 | 14.122 | 1884 | 1893 | 1903 | rVV  | 1274312 | 1821559 | 62.12% | 5.214% |
| 40 | 14.339 | 1925 | 1930 | 1935 | rVB2 | 19589   | 27328   | 0.93%  | 0.078% |
| 41 | 14.428 | 1938 | 1945 | 1952 | rVV  | 1552889 | 2354348 | 80.29% | 6.739% |
| 42 | 14.492 | 1954 | 1956 | 1961 | rVB2 | 6900    | 7801    | 0.27%  | 0.022% |
| 43 | 14.628 | 1973 | 1979 | 1993 | rBV  | 244381  | 410083  | 13.98% | 1.174% |
| 44 | 14.780 | 2001 | 2005 | 2010 | rBV3 | 16248   | 24670   | 0.84%  | 0.071% |
| 45 | 14.845 | 2012 | 2016 | 2021 | rVB5 | 31746   | 43321   | 1.48%  | 0.124% |
| 46 | 14.957 | 2032 | 2035 | 2040 | rVB5 | 5010    | 8975    | 0.31%  | 0.026% |
| 47 | 15.245 | 2078 | 2084 | 2088 | rBV3 | 6507    | 14675   | 0.50%  | 0.042% |
| 48 | 15.292 | 2088 | 2092 | 2096 | rVB  | 18878   | 25107   | 0.86%  | 0.072% |
| 49 | 15.422 | 2107 | 2114 | 2120 | rBV  | 1546931 | 2198309 | 74.97% | 6.292% |
| 50 | 15.480 | 2120 | 2124 | 2128 | rVV2 | 16114   | 20818   | 0.71%  | 0.060% |
| 51 | 15.533 | 2128 | 2133 | 2144 | rVV  | 252653  | 352546  | 12.02% | 1.009% |
| 52 | 15.663 | 2150 | 2155 | 2158 | rBV  | 15160   | 22132   | 0.75%  | 0.063% |
| 53 | 15.698 | 2158 | 2161 | 2167 | rVB  | 11629   | 15353   | 0.52%  | 0.044% |
| 54 | 15.910 | 2193 | 2197 | 2203 | rBV5 | 7983    | 13628   | 0.46%  | 0.039% |
| 55 | 16.151 | 2234 | 2238 | 2240 | rBV2 | 19703   | 27919   | 0.95%  | 0.080% |
| 56 | 16.174 | 2240 | 2242 | 2246 | rVB2 | 20538   | 23332   | 0.80%  | 0.067% |
| 57 | 16.286 | 2257 | 2261 | 2263 | rBV3 | 8120    | 10538   | 0.36%  | 0.030% |
| 58 | 16.322 | 2264 | 2267 | 2272 | rVB4 | 6489    | 10635   | 0.36%  | 0.030% |
| 59 | 16.716 | 2329 | 2334 | 2338 | rBV3 | 14363   | 21040   | 0.72%  | 0.060% |
| 60 | 16.898 | 2361 | 2365 | 2368 | rBV4 | 4071    | 7583    | 0.26%  | 0.022% |
| 61 | 16.939 | 2368 | 2372 | 2377 | rVV4 | 15192   | 27488   | 0.94%  | 0.079% |
| 62 | 16.992 | 2377 | 2381 | 2388 | rVB4 | 14776   | 23358   | 0.80%  | 0.067% |
| 63 | 17.069 | 2388 | 2394 | 2401 | rBV7 | 16238   | 27292   | 0.93%  | 0.078% |
| 64 | 17.169 | 2402 | 2411 | 2416 | rBV2 | 1729165 | 2431293 | 82.91% | 6.959% |
| 65 | 17.210 | 2416 | 2418 | 2422 | rVV  | 112350  | 130575  | 4.45%  | 0.374% |
| 66 | 17.269 | 2422 | 2428 | 2437 | rVB  | 1518038 | 2142986 | 73.08% | 6.134% |
| 67 | 17.463 | 2456 | 2461 | 2468 | rVB6 | 6889    | 13963   | 0.48%  | 0.040% |
| 68 | 17.557 | 2471 | 2477 | 2483 | rBV4 | 18338   | 34240   | 1.17%  | 0.098% |
| 69 | 17.680 | 2493 | 2498 | 2505 | rVB6 | 15019   | 25522   | 0.87%  | 0.073% |
| 70 | 17.757 | 2507 | 2511 | 2512 | rBV4 | 4941    | 6707    | 0.23%  | 0.019% |
| 71 | 17.951 | 2538 | 2544 | 2549 | rBV5 | 13557   | 25272   | 0.86%  | 0.072% |

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|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 18.010 | 2549 | 2554 | 2558 | rBV  | 97873   | 138717  | 4.73%   | 0.397% |
| 73 | 18.068 | 2558 | 2564 | 2573 | rVB2 | 188679  | 294268  | 10.04%  | 0.842% |
| 74 | 18.239 | 2588 | 2593 | 2596 | rBV4 | 32553   | 53593   | 1.83%   | 0.153% |
| 75 | 18.368 | 2612 | 2615 | 2618 | rBV2 | 15034   | 20742   | 0.71%   | 0.059% |
| 76 | 18.498 | 2633 | 2637 | 2641 | rBV  | 45371   | 57936   | 1.98%   | 0.166% |
| 77 | 18.545 | 2642 | 2645 | 2648 | rVB  | 15839   | 19282   | 0.66%   | 0.055% |
| 78 | 18.963 | 2712 | 2716 | 2719 | rBV4 | 31447   | 45297   | 1.54%   | 0.130% |
| 79 | 19.004 | 2720 | 2723 | 2729 | rVB5 | 18343   | 26168   | 0.89%   | 0.075% |
| 80 | 19.098 | 2736 | 2739 | 2742 | rBV4 | 22311   | 29032   | 0.99%   | 0.083% |
| 81 | 19.127 | 2742 | 2744 | 2748 | rVB5 | 18010   | 23094   | 0.79%   | 0.066% |
| 82 | 19.227 | 2756 | 2761 | 2770 | rVB  | 325962  | 451323  | 15.39%  | 1.292% |
| 83 | 19.563 | 2812 | 2818 | 2830 | rBV2 | 1826172 | 2932356 | 100.00% | 8.394% |
| 84 | 20.080 | 2904 | 2906 | 2910 | rVB2 | 35390   | 38098   | 1.30%   | 0.109% |
| 85 | 21.062 | 3069 | 3073 | 3080 | rBV3 | 270577  | 351290  | 11.98%  | 1.006% |
| 86 | 21.345 | 3116 | 3121 | 3125 | rBV  | 1665543 | 2286705 | 77.98%  | 6.545% |
| 87 | 22.927 | 3387 | 3390 | 3394 | rBV  | 173719  | 233871  | 7.98%   | 0.669% |
| 88 | 23.462 | 3476 | 3481 | 3486 | rBV  | 1159139 | 2027326 | 69.14%  | 5.803% |
| 89 | 23.609 | 3500 | 3506 | 3513 | rVB  | 1128463 | 2101992 | 71.68%  | 6.017% |

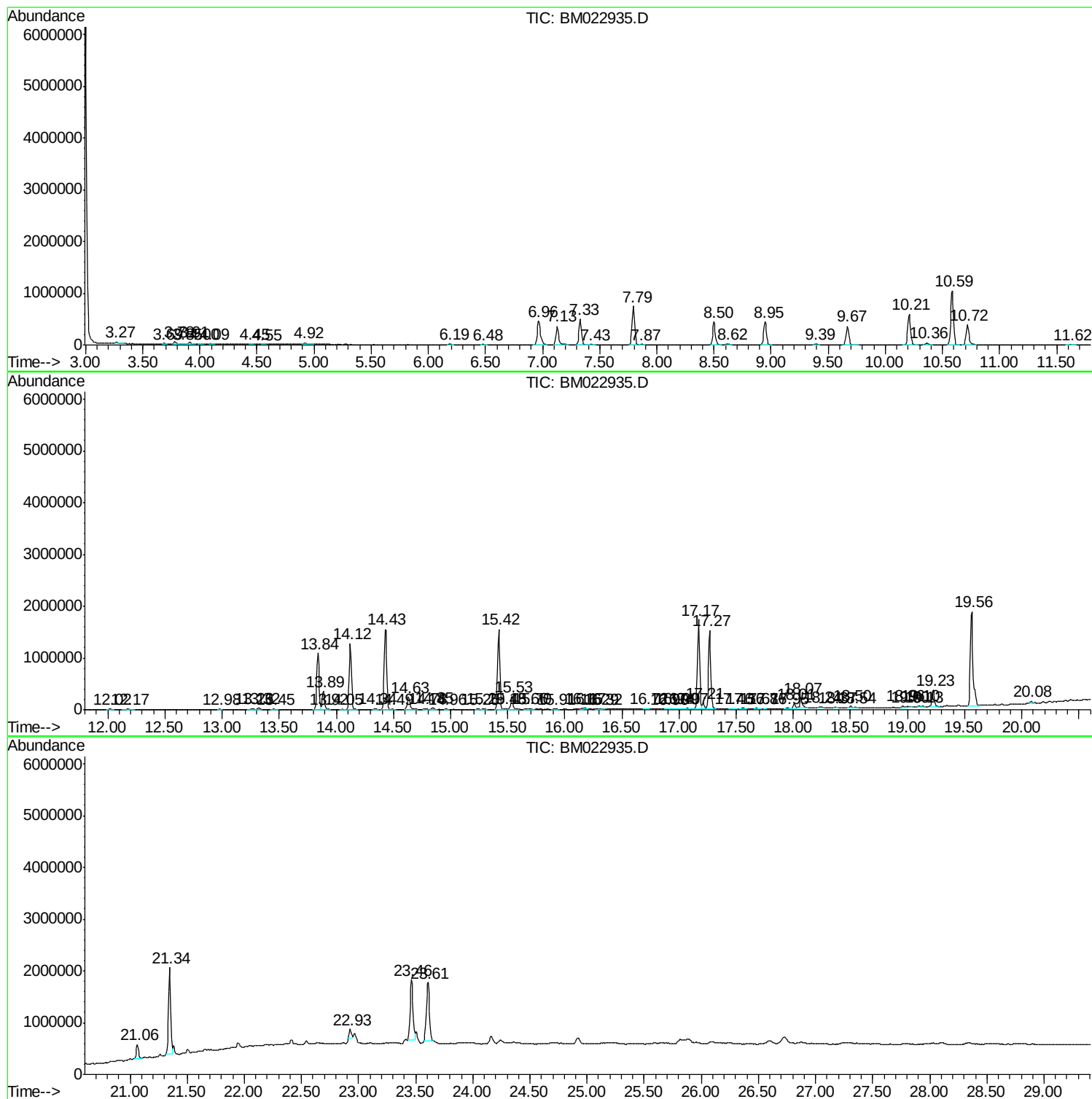
Sum of corrected areas: 34935837

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

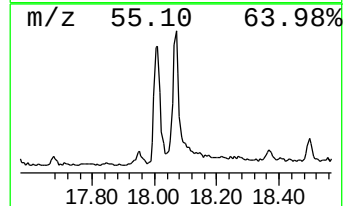
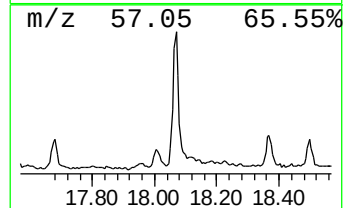
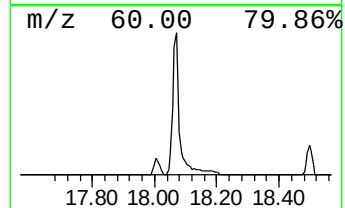
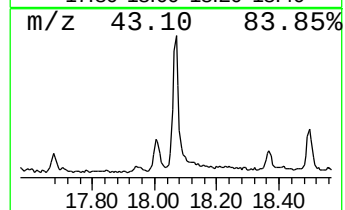
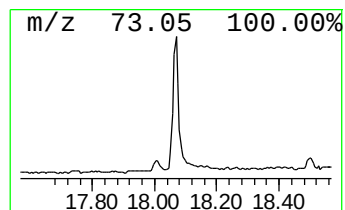
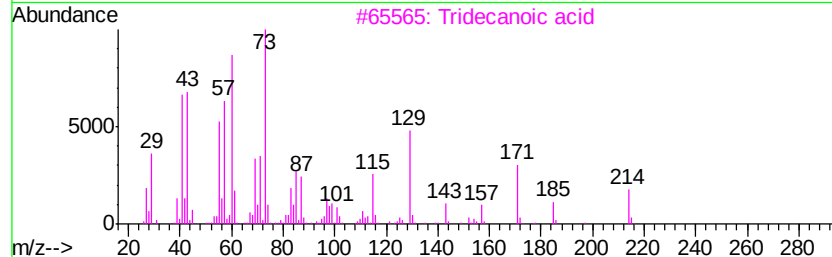
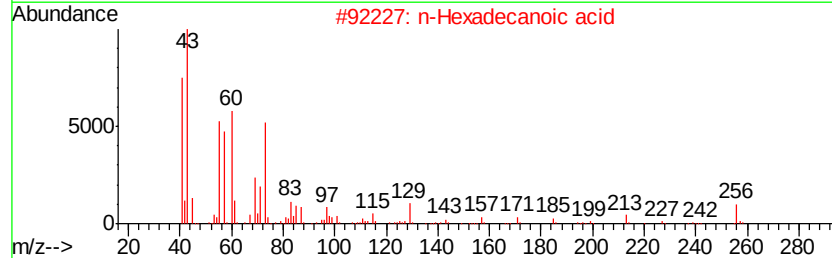
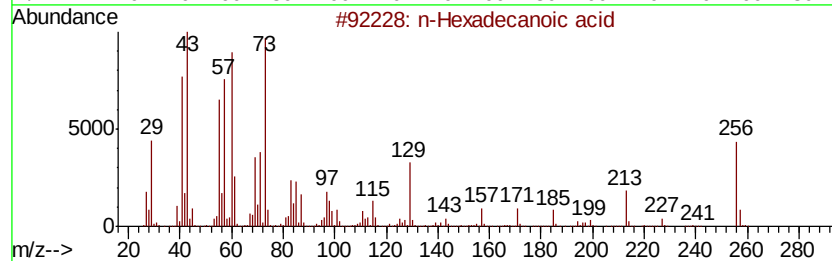
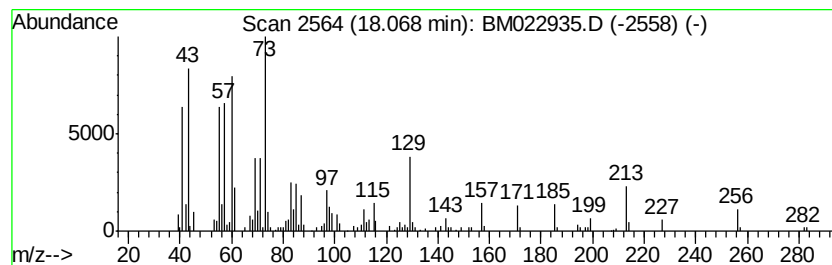
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.07 | 2.42 ng/ul | 294268 | Phenanthrene-d10 | 17.17 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 3    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 92   |
| 4    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 90   |
| 5    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 90   |



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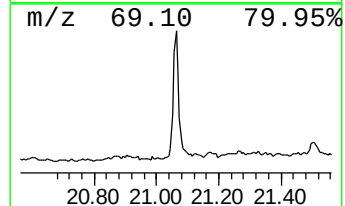
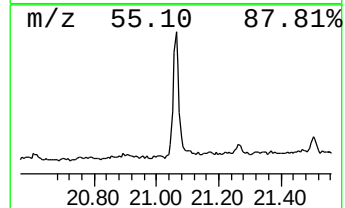
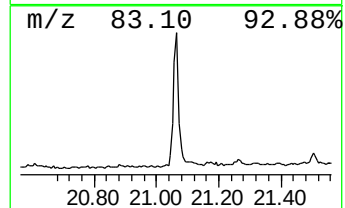
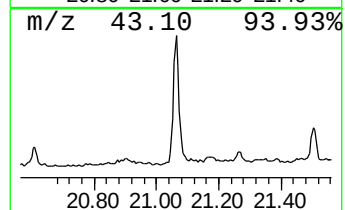
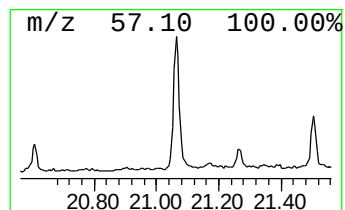
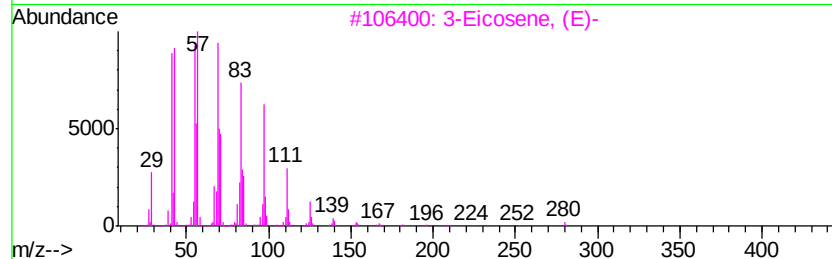
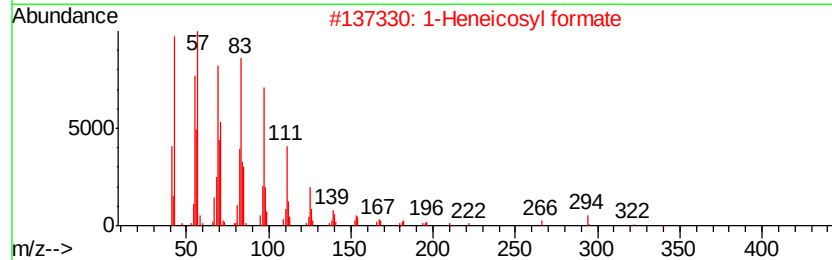
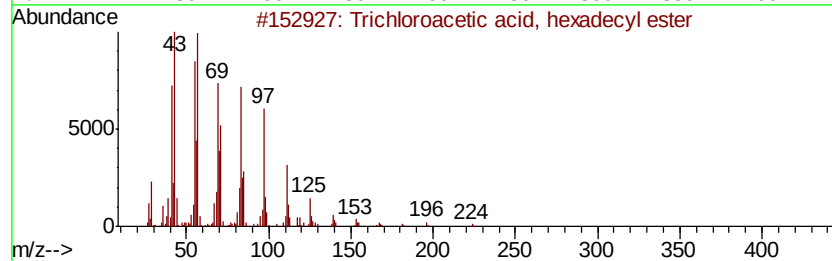
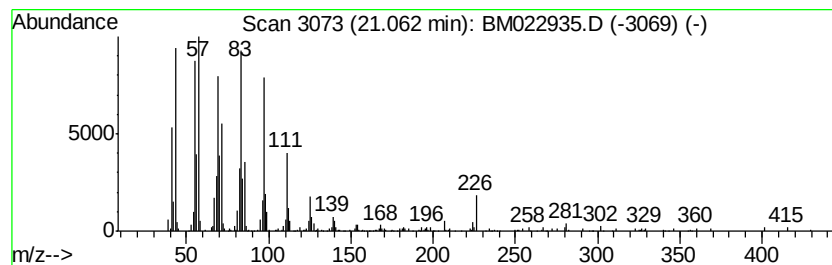
TIC Library : C:\DATABASE\NIST02.L  
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\*\*\*\*\*  
Peak Number 2 Trichloroacetic acid, hexad... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.06 | 3.07 ng/ul | 351290 | Chrysene-d12     | 21.34 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 94   |
| 2    |    | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7  | 94   |
| 3    |    | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9  | 93   |
| 4    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 93   |
| 5    |    | 1-Octadecanol                       | 270 | C18H38O     | 000112-92-5  | 93   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 18.07 | 2.4     | ng/ul | 294268   | 4                     | 17.17 | 2431290 | 20.0 |
| Trichloroacetic a... | 21.06 | 3.1     | ng/ul | 351290   | 5                     | 21.34 | 2286710 | 20.0 |