

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\  
 Data File : BM023359.D  
 Acq On : 24 Oct 2019 01:34  
 Operator : JU  
 Sample : K5378-16  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0017

## 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-BM102319MA.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         | 3.163       | 26            | 30          | 39           | rVB      | 117795         | 188086        | 1.33%           | 0.120%        |
| 2         | 6.322       | 564           | 567         | 570          | rVB4     | 14453          | 15912         | 0.11%           | 0.010%        |
| 3         | 6.816       | 644           | 651         | 665          | rVB      | 2560939        | 4328617       | 30.72%          | 2.757%        |
| 4         | 6.981       | 672           | 679         | 691          | rBV      | 1944312        | 3107224       | 22.05%          | 1.979%        |
| 5         | 7.175       | 704           | 712         | 720          | rBV      | 2589074        | 4050737       | 28.75%          | 2.580%        |
| 6         | 7.639       | 783           | 791         | 799          | rBV      | 2096122        | 3364927       | 23.88%          | 2.144%        |
| 7         | 7.722       | 801           | 805         | 814          | rVB5     | 25686          | 47734         | 0.34%           | 0.030%        |
| 8         | 7.957       | 843           | 845         | 849          | rVB5     | 13784          | 15545         | 0.11%           | 0.010%        |
| 9         | 8.345       | 904           | 911         | 925          | rBV      | 3100132        | 4921059       | 34.93%          | 3.135%        |
| 10        | 8.786       | 978           | 986         | 998          | rBV      | 2557935        | 4190300       | 29.74%          | 2.669%        |
| 11        | 8.969       | 1012          | 1017        | 1023         | rVB6     | 30203          | 48419         | 0.34%           | 0.031%        |
| 12        | 9.263       | 1062          | 1067        | 1072         | rBV2     | 48333          | 73303         | 0.52%           | 0.047%        |
| 13        | 9.504       | 1100          | 1108        | 1116         | rBV      | 2076596        | 3310244       | 23.49%          | 2.109%        |
| 14        | 9.739       | 1143          | 1148        | 1152         | rBV6     | 12045          | 20732         | 0.15%           | 0.013%        |
| 15        | 10.039      | 1192          | 1199        | 1212         | rBV      | 3254949        | 5466062       | 38.79%          | 3.482%        |
| 16        | 10.416      | 1255          | 1263        | 1272         | rVB      | 3177002        | 5216416       | 37.02%          | 3.323%        |
| 17        | 10.551      | 1279          | 1286        | 1299         | rBV      | 2324204        | 3934730       | 27.93%          | 2.507%        |
| 18        | 12.016      | 1529          | 1535        | 1544         | rVB      | 60823          | 107754        | 0.76%           | 0.069%        |
| 19        | 12.904      | 1681          | 1686        | 1691         | rVB6     | 12349          | 20383         | 0.14%           | 0.013%        |
| 20        | 13.133      | 1722          | 1725        | 1729         | rBV5     | 12889          | 17825         | 0.13%           | 0.011%        |
| 21        | 13.204      | 1732          | 1737        | 1743         | rBV5     | 14293          | 29804         | 0.21%           | 0.019%        |
| 22        | 13.704      | 1815          | 1822        | 1826         | rVV      | 5956800        | 8357162       | 59.31%          | 5.324%        |
| 23        | 13.751      | 1826          | 1830        | 1838         | rVB      | 2081720        | 2857645       | 20.28%          | 1.820%        |
| 24        | 13.974      | 1861          | 1868        | 1880         | rBV      | 7153805        | 10546521      | 74.85%          | 6.718%        |
| 25        | 14.215      | 1904          | 1909        | 1914         | rVB5     | 17951          | 27780         | 0.20%           | 0.018%        |
| 26        | 14.286      | 1914          | 1921        | 1931         | rBV      | 5052611        | 7548496       | 53.57%          | 4.809%        |
| 27        | 14.486      | 1945          | 1955        | 1966         | rBV      | 2204294        | 3176847       | 22.55%          | 2.024%        |
| 28        | 14.710      | 1987          | 1993        | 2001         | rVB3     | 86202          | 144843        | 1.03%           | 0.092%        |
| 29        | 15.121      | 2058          | 2063        | 2066         | rBV5     | 16577          | 27449         | 0.19%           | 0.017%        |
| 30        | 15.174      | 2068          | 2072        | 2076         | rVB      | 30580          | 38924         | 0.28%           | 0.025%        |
| 31        | 15.280      | 2083          | 2090        | 2104         | rBV      | 9045300        | 12918715      | 91.69%          | 8.230%        |
| 32        | 15.404      | 2104          | 2111        | 2122         | rBV      | 1948608        | 2799704       | 19.87%          | 1.783%        |
| 33        | 15.521      | 2126          | 2131        | 2136         | rVV      | 110791         | 155047        | 1.10%           | 0.099%        |
| 34        | 15.733      | 2163          | 2167        | 2172         | rVB6     | 11204          | 20313         | 0.14%           | 0.013%        |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |          |          |         |        |
|----|--------|------|------|------|------|----------|----------|---------|--------|
| 35 | 15.980 | 2205 | 2209 | 2213 | rBV7 | 9251     | 14813    | 0.11%   | 0.009% |
| 36 | 16.033 | 2215 | 2218 | 2220 | rVV2 | 22772    | 27069    | 0.19%   | 0.017% |
| 37 | 16.068 | 2220 | 2224 | 2230 | rVB3 | 41605    | 65145    | 0.46%   | 0.041% |
| 38 | 16.292 | 2258 | 2262 | 2267 | rBV5 | 16535    | 26595    | 0.19%   | 0.017% |
| 39 | 16.445 | 2285 | 2288 | 2293 | rVB5 | 12509    | 19746    | 0.14%   | 0.013% |
| 40 | 16.586 | 2309 | 2312 | 2318 | rBV6 | 11827    | 22456    | 0.16%   | 0.014% |
| 41 | 16.709 | 2329 | 2333 | 2336 | rBV6 | 19626    | 26977    | 0.19%   | 0.017% |
| 42 | 16.821 | 2346 | 2352 | 2357 | rBV5 | 35574    | 67662    | 0.48%   | 0.043% |
| 43 | 17.027 | 2381 | 2387 | 2397 | rVB  | 6055646  | 8694304  | 61.70%  | 5.538% |
| 44 | 17.127 | 2397 | 2404 | 2414 | rBV  | 9584298  | 13306387 | 94.44%  | 8.476% |
| 45 | 17.233 | 2419 | 2422 | 2425 | rVB4 | 29549    | 34160    | 0.24%   | 0.022% |
| 46 | 17.951 | 2539 | 2544 | 2550 | rBV2 | 132356   | 215942   | 1.53%   | 0.138% |
| 47 | 18.250 | 2591 | 2595 | 2599 | rBV5 | 31478    | 46008    | 0.33%   | 0.029% |
| 48 | 18.892 | 2702 | 2704 | 2708 | rVB4 | 23320    | 21719    | 0.15%   | 0.014% |
| 49 | 19.062 | 2728 | 2733 | 2736 | rBV  | 122352   | 180896   | 1.28%   | 0.115% |
| 50 | 19.239 | 2760 | 2763 | 2766 | rBV4 | 35203    | 46814    | 0.33%   | 0.030% |
| 51 | 19.309 | 2772 | 2775 | 2781 | rVB  | 91774    | 126264   | 0.90%   | 0.080% |
| 52 | 19.427 | 2789 | 2795 | 2801 | rVB  | 10628587 | 14090307 | 100.00% | 8.976% |
| 53 | 20.009 | 2891 | 2894 | 2897 | rBV3 | 83463    | 98925    | 0.70%   | 0.063% |
| 54 | 20.374 | 2953 | 2956 | 2963 | rVB  | 272469   | 342497   | 2.43%   | 0.218% |
| 55 | 20.509 | 2976 | 2979 | 2983 | rVB2 | 139208   | 138891   | 0.99%   | 0.088% |
| 56 | 20.962 | 3052 | 3056 | 3063 | rBV2 | 859125   | 1288739  | 9.15%   | 0.821% |
| 57 | 21.221 | 3095 | 3100 | 3107 | rBV  | 6241203  | 7916290  | 56.18%  | 5.043% |
| 58 | 21.409 | 3129 | 3132 | 3135 | rBV  | 286336   | 310994   | 2.21%   | 0.198% |
| 59 | 21.839 | 3202 | 3205 | 3210 | rVB2 | 353049   | 428751   | 3.04%   | 0.273% |
| 60 | 22.797 | 3365 | 3368 | 3375 | rVB  | 489764   | 676175   | 4.80%   | 0.431% |
| 61 | 23.280 | 3444 | 3450 | 3458 | rVB  | 6125402  | 10756700 | 76.34%  | 6.852% |
| 62 | 23.415 | 3468 | 3473 | 3483 | rVB  | 3752099  | 6893464  | 48.92%  | 4.391% |

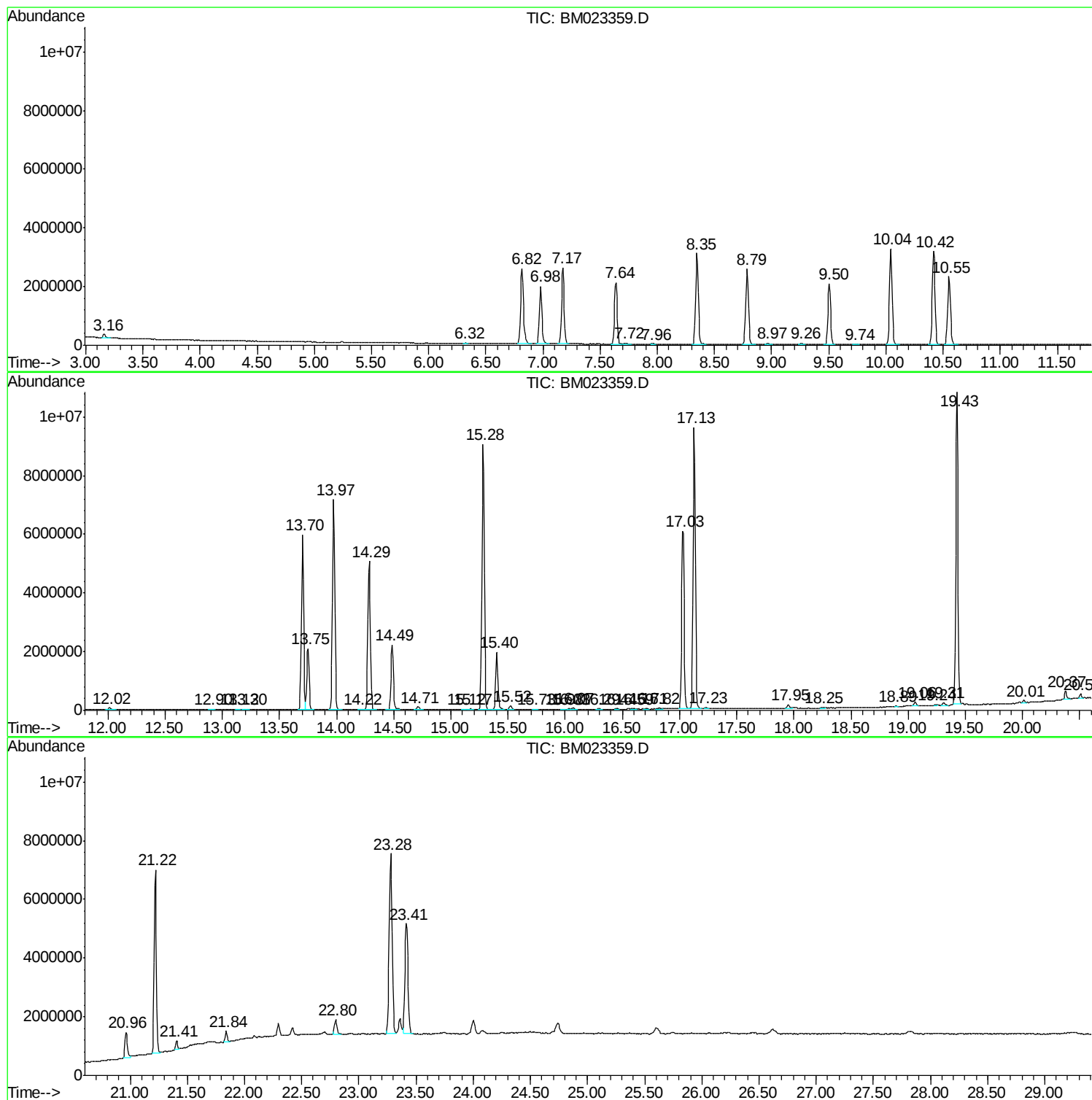
Sum of corrected areas: 156979949

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
Quant Title : SVOA CALIBRATION

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



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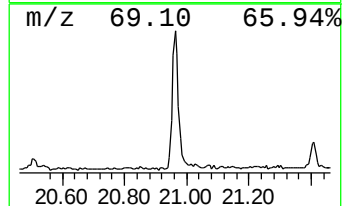
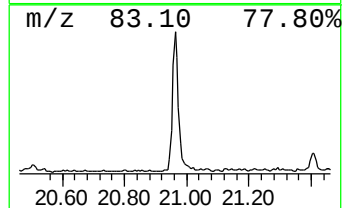
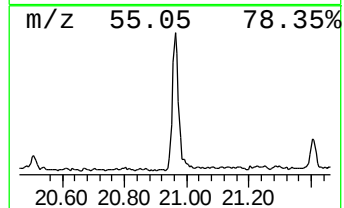
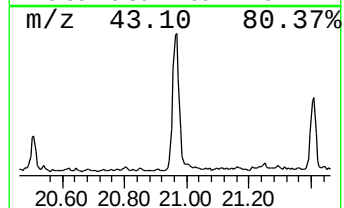
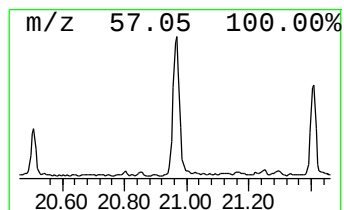
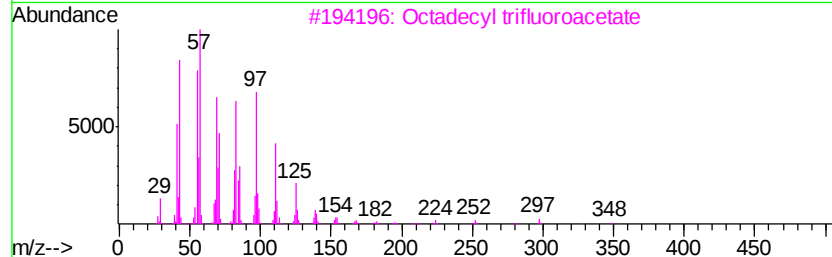
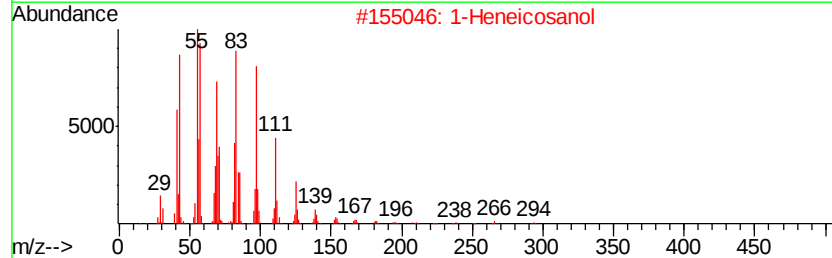
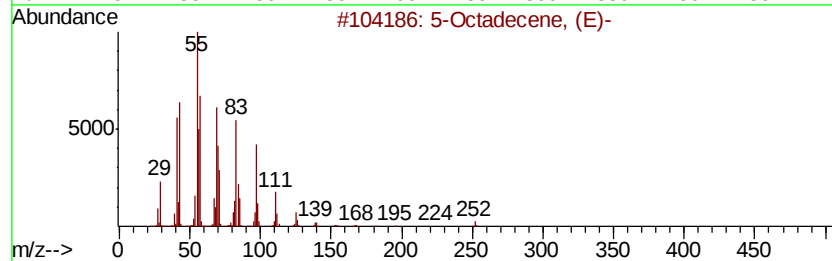
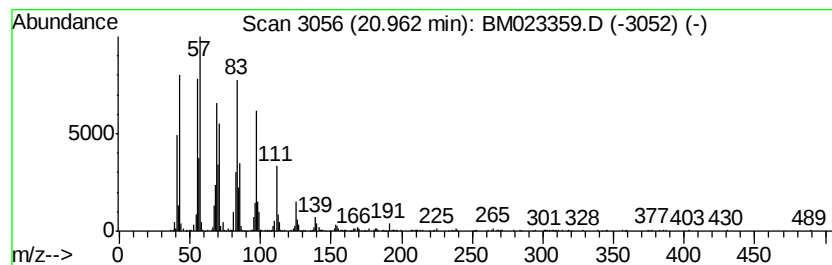
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Cyclic20.96 Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.96 | 3.26 ng/ul | 1288740 | Chrysene-d12     | 21.22 |

| Hit# | of | Tentative ID               | MW  | MolForm    | CAS#         | Qual |
|------|----|----------------------------|-----|------------|--------------|------|
| 1    | 5  | 5-Octadecene, (E)-         | 252 | C18H36     | 007206-21-5  | 95   |
| 2    |    | 1-Heneicosanol             | 312 | C21H44O    | 015594-90-8  | 93   |
| 3    |    | Octadecyl trifluoroacetate | 366 | C20H37F3O2 | 079392-43-1  | 91   |
| 4    |    | Eicosyl trifluoroacetate   | 394 | C22H41F3O2 | 1000351-75-2 | 91   |
| 5    |    | Cyclotetracosane           | 336 | C24H48     | 000297-03-0  | 91   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Cyc... | 20.96 | 3.3     | ng/ul | 1288740  | 5                     | 21.22 | 7916290 | 20.0 |