

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020475.D  
 Acq On : 22 May 2019 00:23  
 Operator : JU/SJ  
 Sample : K2788-19  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A51B1

## 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-BM051619MA.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         | 6.893       | 658           | 664         | 673          | rBV      | 181748         | 312911        | 21.04%          | 2.337%        |
| 2         | 7.063       | 688           | 693         | 707          | rVB      | 143043         | 240643        | 16.18%          | 1.797%        |
| 3         | 7.252       | 719           | 725         | 734          | rBV      | 214920         | 346457        | 23.30%          | 2.587%        |
| 4         | 7.722       | 799           | 805         | 813          | rBV      | 201584         | 330515        | 22.22%          | 2.468%        |
| 5         | 8.428       | 919           | 925         | 936          | rBV      | 205172         | 370985        | 24.94%          | 2.771%        |
| 6         | 8.893       | 998           | 1004        | 1015         | rVB      | 165550         | 294065        | 19.77%          | 2.196%        |
| 7         | 9.604       | 1119          | 1125        | 1134         | rBV      | 136740         | 242028        | 16.27%          | 1.808%        |
| 8         | 10.134      | 1209          | 1215        | 1229         | rBV      | 210542         | 386039        | 25.96%          | 2.883%        |
| 9         | 10.510      | 1273          | 1279        | 1289         | rVB      | 253540         | 429391        | 28.87%          | 3.207%        |
| 10        | 10.663      | 1299          | 1305        | 1315         | rBV      | 155126         | 316860        | 21.31%          | 2.366%        |
| 11        | 10.987      | 1358          | 1360        | 1364         | rVB      | 1293           | 1506          | 0.10%           | 0.011%        |
| 12        | 12.116      | 1548          | 1552        | 1554         | rBV2     | 1149           | 1562          | 0.11%           | 0.012%        |
| 13        | 13.245      | 1742          | 1744        | 1749         | rVB2     | 1433           | 1841          | 0.12%           | 0.014%        |
| 14        | 13.786      | 1830          | 1836        | 1840         | rBV      | 382852         | 541565        | 36.41%          | 4.045%        |
| 15        | 13.833      | 1840          | 1844        | 1854         | rVB      | 174289         | 243810        | 16.39%          | 1.821%        |
| 16        | 14.069      | 1877          | 1884        | 1896         | rBV      | 450782         | 675526        | 45.42%          | 5.045%        |
| 17        | 14.251      | 1909          | 1915        | 1918         | rBV2     | 1950           | 2564          | 0.17%           | 0.019%        |
| 18        | 14.375      | 1930          | 1936        | 1947         | rBV2     | 374708         | 571565        | 38.43%          | 4.269%        |
| 19        | 14.598      | 1969          | 1974        | 1993         | rBV2     | 43814          | 114302        | 7.69%           | 0.854%        |
| 20        | 15.369      | 2098          | 2105        | 2115         | rBV      | 589854         | 834968        | 56.14%          | 6.236%        |
| 21        | 15.504      | 2124          | 2128        | 2136         | rBV      | 79653          | 118263        | 7.95%           | 0.883%        |
| 22        | 15.610      | 2140          | 2146        | 2149         | rBV2     | 4164           | 4856          | 0.33%           | 0.036%        |
| 23        | 15.792      | 2172          | 2177        | 2182         | rBV2     | 850            | 1834          | 0.12%           | 0.014%        |
| 24        | 17.127      | 2398          | 2404        | 2414         | rBV      | 494407         | 722792        | 48.60%          | 5.398%        |
| 25        | 17.221      | 2414          | 2420        | 2433         | rVV      | 639594         | 924404        | 62.16%          | 6.904%        |
| 26        | 17.304      | 2433          | 2434        | 2439         | rVV4     | 2099           | 2825          | 0.19%           | 0.021%        |
| 27        | 17.380      | 2444          | 2447        | 2449         | rBV2     | 1351           | 1531          | 0.10%           | 0.011%        |
| 28        | 17.845      | 2522          | 2526        | 2529         | rVB2     | 1409           | 1836          | 0.12%           | 0.014%        |
| 29        | 17.874      | 2529          | 2531        | 2534         | rBV      | 2324           | 2491          | 0.17%           | 0.019%        |
| 30        | 18.004      | 2549          | 2553        | 2563         | rBV2     | 37991          | 56928         | 3.83%           | 0.425%        |
| 31        | 18.074      | 2563          | 2565        | 2566         | rVV2     | 2013           | 1559          | 0.10%           | 0.012%        |
| 32        | 18.098      | 2568          | 2569        | 2574         | rVB3     | 1377           | 1988          | 0.13%           | 0.015%        |
| 33        | 18.151      | 2574          | 2578        | 2580         | rBV3     | 1817           | 2266          | 0.15%           | 0.017%        |
| 34        | 18.221      | 2589          | 2590        | 2595         | rVB2     | 1833           | 1609          | 0.11%           | 0.012%        |

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 Peak Location: TOP

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 18.304 | 2600 | 2604 | 2607 | rVV2 | 1427   | 2148    | 0.14%   | 0.016%  |
| 36 | 18.627 | 2655 | 2659 | 2660 | rBV  | 1433   | 1651    | 0.11%   | 0.012%  |
| 37 | 18.692 | 2664 | 2670 | 2673 | rVV4 | 2188   | 3932    | 0.26%   | 0.029%  |
| 38 | 18.857 | 2695 | 2698 | 2701 | rBV4 | 2204   | 3708    | 0.25%   | 0.028%  |
| 39 | 18.933 | 2708 | 2711 | 2713 | rBV3 | 4296   | 4587    | 0.31%   | 0.034%  |
| 40 | 19.033 | 2724 | 2728 | 2731 | rBV4 | 2272   | 2924    | 0.20%   | 0.022%  |
| 41 | 19.163 | 2745 | 2750 | 2756 | rBV3 | 6184   | 8284    | 0.56%   | 0.062%  |
| 42 | 19.292 | 2768 | 2772 | 2777 | rBV4 | 16731  | 25317   | 1.70%   | 0.189%  |
| 43 | 19.404 | 2789 | 2791 | 2793 | rBV3 | 3525   | 3646    | 0.25%   | 0.027%  |
| 44 | 19.527 | 2806 | 2812 | 2821 | rBV  | 886779 | 1219815 | 82.02%  | 9.110%  |
| 45 | 19.739 | 2846 | 2848 | 2849 | rBV2 | 2563   | 1729    | 0.12%   | 0.013%  |
| 46 | 20.051 | 2898 | 2901 | 2905 | rVB5 | 6625   | 8842    | 0.59%   | 0.066%  |
| 47 | 20.445 | 2966 | 2968 | 2973 | rVB5 | 11067  | 10055   | 0.68%   | 0.075%  |
| 48 | 20.539 | 2982 | 2984 | 2989 | rBV6 | 7378   | 10597   | 0.71%   | 0.079%  |
| 49 | 21.009 | 3061 | 3064 | 3069 | rBV4 | 55677  | 78883   | 5.30%   | 0.589%  |
| 50 | 21.315 | 3111 | 3116 | 3128 | rBV  | 749626 | 977703  | 65.74%  | 7.302%  |
| 51 | 21.445 | 3136 | 3138 | 3141 | rBV4 | 19714  | 18987   | 1.28%   | 0.142%  |
| 52 | 21.880 | 3210 | 3212 | 3215 | rVB2 | 34163  | 32286   | 2.17%   | 0.241%  |
| 53 | 22.345 | 3288 | 3291 | 3297 | rVB3 | 65989  | 89902   | 6.04%   | 0.671%  |
| 54 | 22.856 | 3374 | 3378 | 3382 | rVB  | 77265  | 109131  | 7.34%   | 0.815%  |
| 55 | 23.439 | 3471 | 3477 | 3486 | rVB  | 785682 | 1487213 | 100.00% | 11.107% |
| 56 | 23.586 | 3496 | 3502 | 3511 | rVB  | 536258 | 1027682 | 69.10%  | 7.675%  |
| 57 | 24.074 | 3582 | 3585 | 3594 | rVB3 | 79844  | 156793  | 10.54%  | 1.171%  |

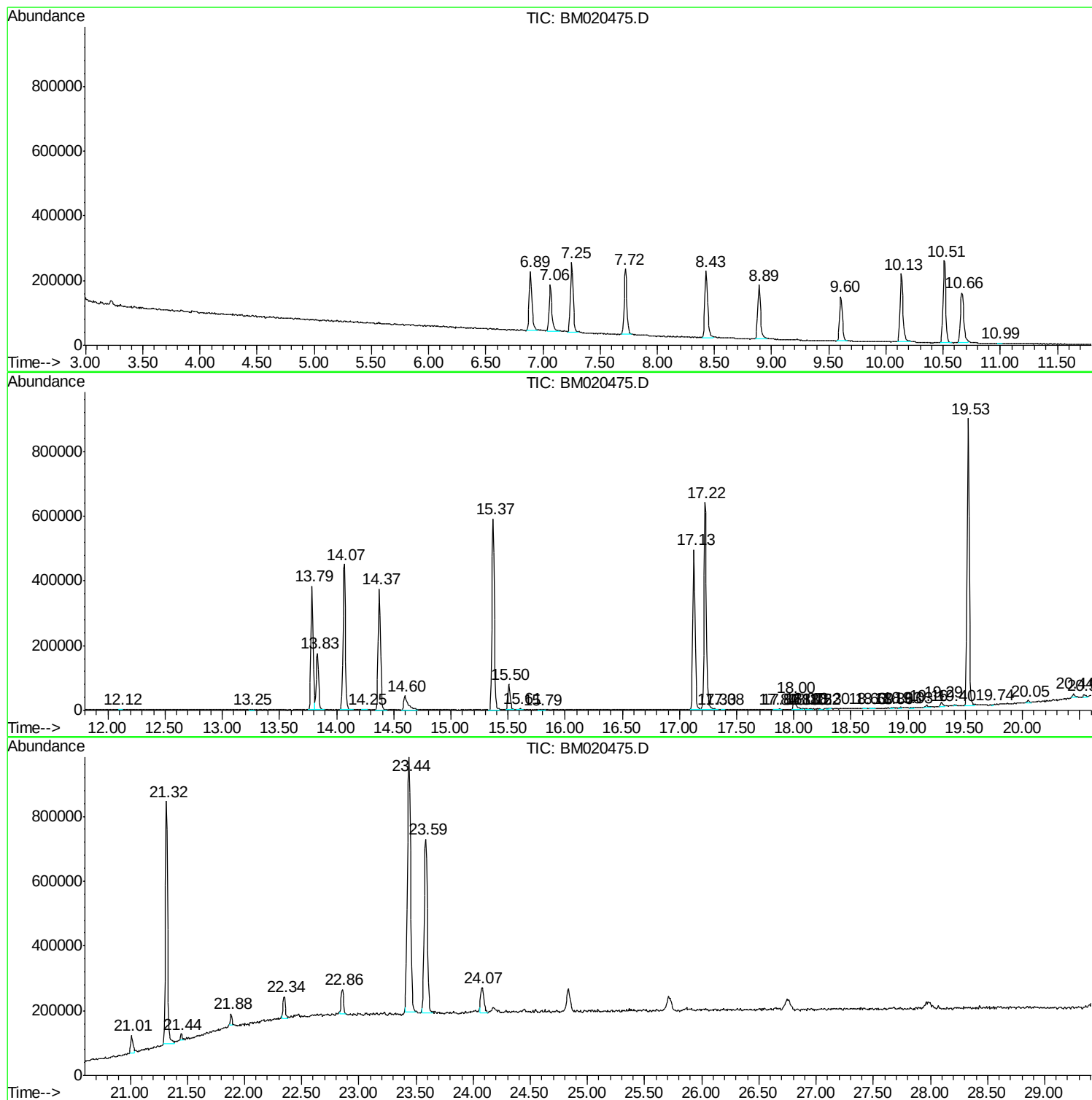
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

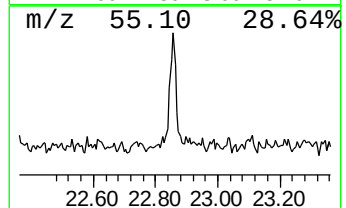
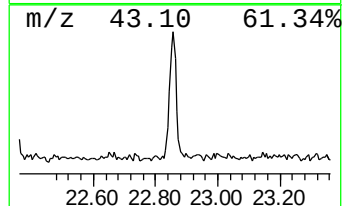
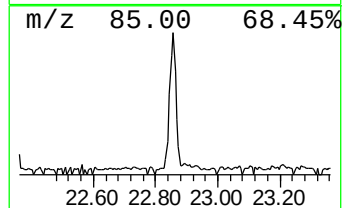
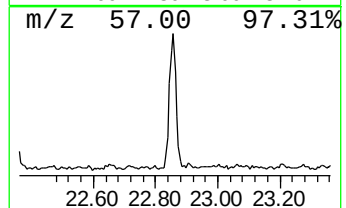
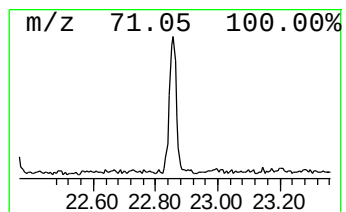
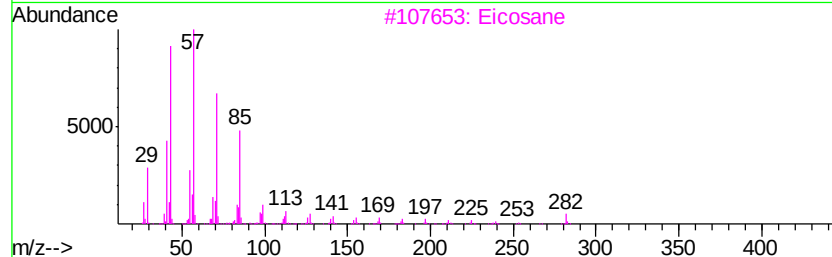
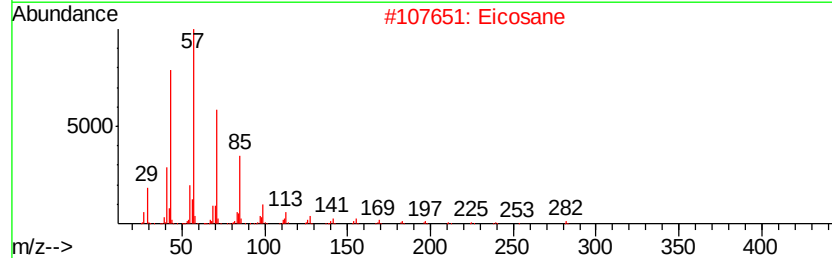
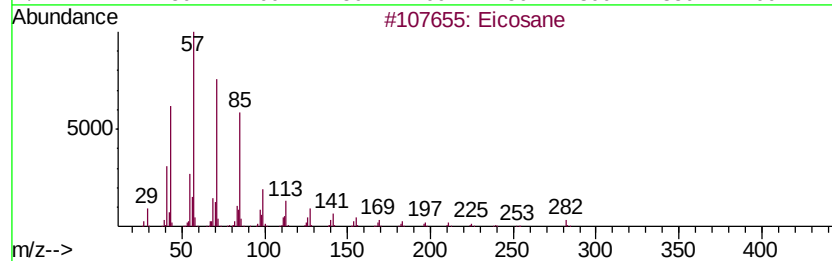
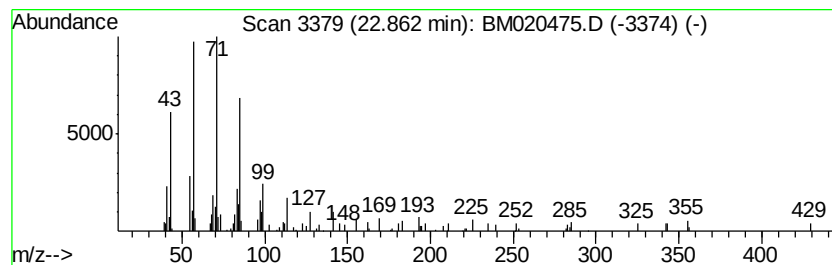
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.86 | 2.12 ng/ul | 109131 | Perylene-d12     | 23.59 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane           | 282 | C20H42  | 000112-95-8 | 98   |
| 2    |    | Eicosane           | 282 | C20H42  | 000112-95-8 | 95   |
| 3    |    | Eicosane           | 282 | C20H42  | 000112-95-8 | 94   |
| 4    |    | Heptacosane        | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    | Eicosane, 9-octyl- | 394 | C28H58  | 013475-77-9 | 90   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

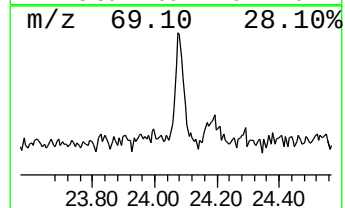
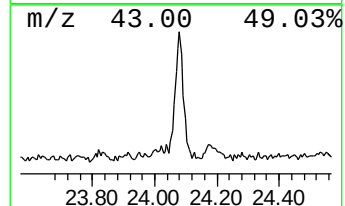
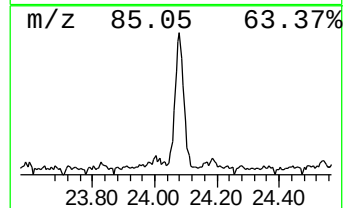
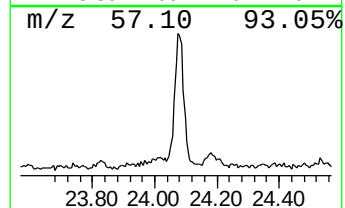
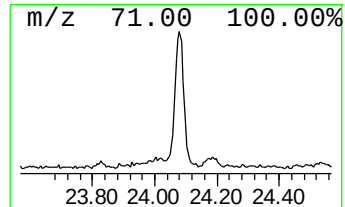
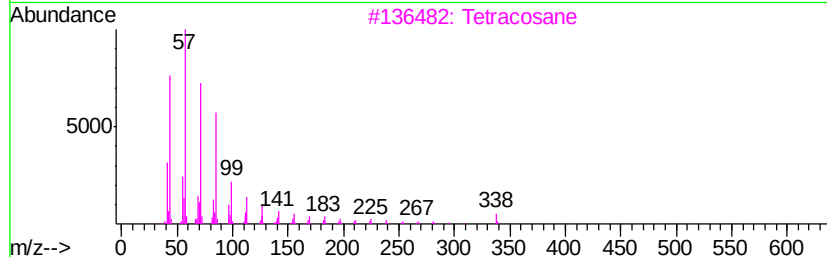
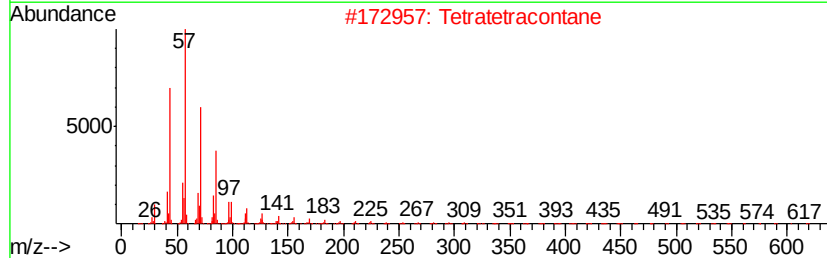
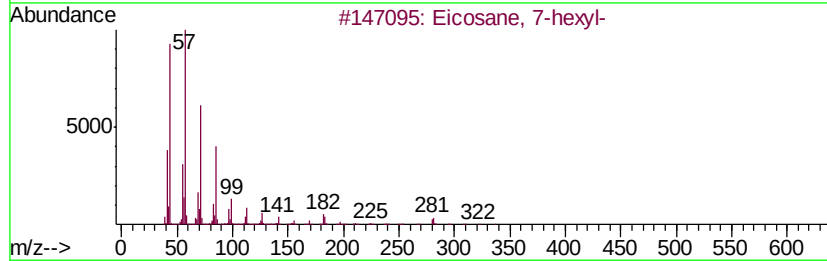
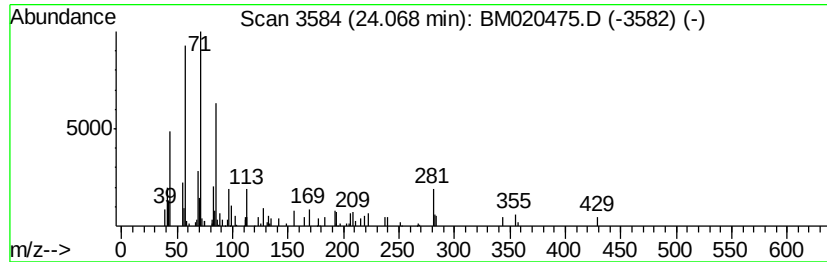
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.07 | 3.05 ng/ul | 156793 | Perylene-d12     | 23.59 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane, 7-hexyl- | 366 | C26H54  | 055333-99-8 | 80   |
| 2    |    | Tetratetracontane  | 619 | C44H90  | 007098-22-8 | 74   |
| 3    |    | Tetracosane        | 338 | C24H50  | 000646-31-1 | 74   |
| 4    |    | Heneicosane        | 296 | C21H44  | 000629-94-7 | 74   |
| 5    |    | Eicosane           | 282 | C20H42  | 000112-95-8 | 74   |



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|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 22.86 | 2.1     | ng/ul | 109131   | 6                     | 23.59 | 1027680 | 20.0 |
| (DEL) Alkane: Str... | 24.07 | 3.0     | ng/ul | 156793   | 6                     | 23.59 | 1027680 | 20.0 |