

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090420\  
 Data File : BM027346.D  
 Acq On : 05 Sep 2020 00:48  
 Operator : JU/CG  
 Sample : L3843-03  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AD3

## 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-BM090420MA.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         | 3.134       | 22            | 25          | 35           | rVB      | 18166          | 29626         | 0.79%           | 0.083%        |
| 2         | 3.628       | 107           | 109         | 114          | rVB4     | 5019           | 5982          | 0.16%           | 0.017%        |
| 3         | 3.757       | 126           | 131         | 137          | rBV      | 35890          | 56570         | 1.51%           | 0.159%        |
| 4         | 3.846       | 143           | 146         | 152          | rVB4     | 8978           | 14218         | 0.38%           | 0.040%        |
| 5         | 4.063       | 180           | 183         | 190          | rVB5     | 8732           | 13589         | 0.36%           | 0.038%        |
| 6         | 4.457       | 248           | 250         | 253          | rVB3     | 4158           | 4667          | 0.12%           | 0.013%        |
| 7         | 4.734       | 293           | 297         | 302          | rBV      | 26445          | 35718         | 0.95%           | 0.100%        |
| 8         | 6.757       | 634           | 641         | 652          | rBV      | 331429         | 551758        | 14.71%          | 1.546%        |
| 9         | 6.916       | 662           | 668         | 676          | rVB      | 278096         | 443316        | 11.82%          | 1.242%        |
| 10        | 7.110       | 694           | 701         | 713          | rVB      | 363712         | 574780        | 15.32%          | 1.611%        |
| 11        | 7.222       | 716           | 720         | 725          | rBV5     | 6884           | 11171         | 0.30%           | 0.031%        |
| 12        | 7.404       | 745           | 751         | 758          | rVB8     | 1831           | 4289          | 0.11%           | 0.012%        |
| 13        | 7.569       | 772           | 779         | 788          | rBV      | 600147         | 930193        | 24.80%          | 2.607%        |
| 14        | 8.281       | 893           | 900         | 914          | rBV      | 446268         | 725391        | 19.34%          | 2.033%        |
| 15        | 8.386       | 914           | 918         | 925          | rVB2     | 18014          | 27076         | 0.72%           | 0.076%        |
| 16        | 8.710       | 965           | 973         | 981          | rBV      | 361256         | 597491        | 15.93%          | 1.674%        |
| 17        | 9.433       | 1089          | 1096        | 1106         | rBV      | 298492         | 508476        | 13.55%          | 1.425%        |
| 18        | 9.969       | 1180          | 1187        | 1198         | rBV      | 487370         | 802742        | 21.40%          | 2.250%        |
| 19        | 10.339      | 1243          | 1250        | 1258         | rBV      | 810780         | 1291940       | 34.44%          | 3.620%        |
| 20        | 10.475      | 1264          | 1273        | 1289         | rBV      | 420132         | 738759        | 19.69%          | 2.070%        |
| 21        | 11.892      | 1506          | 1514        | 1518         | rBV5     | 5552           | 11254         | 0.30%           | 0.032%        |
| 22        | 11.945      | 1518          | 1523        | 1533         | rVB3     | 6979           | 11619         | 0.31%           | 0.033%        |
| 23        | 12.821      | 1671          | 1672        | 1677         | rVB4     | 3152           | 3991          | 0.11%           | 0.011%        |
| 24        | 13.057      | 1706          | 1712        | 1716         | rVB3     | 2210           | 5482          | 0.15%           | 0.015%        |
| 25        | 13.127      | 1720          | 1724        | 1729         | rVB6     | 8091           | 13536         | 0.36%           | 0.038%        |
| 26        | 13.627      | 1802          | 1809        | 1814         | rBV      | 1154955        | 1572054       | 41.91%          | 4.405%        |
| 27        | 13.674      | 1814          | 1817        | 1825         | rVB      | 347454         | 452365        | 12.06%          | 1.268%        |
| 28        | 13.898      | 1848          | 1855        | 1864         | rBV      | 1043884        | 1516361       | 40.42%          | 4.249%        |
| 29        | 14.151      | 1893          | 1898        | 1902         | rBV6     | 3007           | 4695          | 0.13%           | 0.013%        |
| 30        | 14.210      | 1902          | 1908        | 1916         | rBV      | 1408241        | 2049321       | 54.63%          | 5.743%        |
| 31        | 14.421      | 1937          | 1944        | 1958         | rBV      | 283484         | 507179        | 13.52%          | 1.421%        |
| 32        | 15.021      | 2039          | 2046        | 2048         | rVV6     | 4726           | 8091          | 0.22%           | 0.023%        |
| 33        | 15.045      | 2048          | 2050        | 2056         | rVB6     | 3981           | 4933          | 0.13%           | 0.014%        |
| 34        | 15.098      | 2056          | 2059        | 2064         | rBV6     | 3425           | 5597          | 0.15%           | 0.016%        |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |       |         |         |         |         |
|----|--------|------|------|------|-------|---------|---------|---------|---------|
| 35 | 15.210 | 2071 | 2078 | 2084 | rBV   | 1568237 | 2085002 | 55.58%  | 5.843%  |
| 36 | 15.333 | 2093 | 2099 | 2114 | rBV   | 385803  | 550015  | 14.66%  | 1.541%  |
| 37 | 15.445 | 2114 | 2118 | 2126 | rVB2  | 16796   | 28495   | 0.76%   | 0.080%  |
| 38 | 15.768 | 2170 | 2173 | 2175 | rBV4  | 2916    | 4041    | 0.11%   | 0.011%  |
| 39 | 15.998 | 2208 | 2212 | 2217 | rVB5  | 6581    | 7964    | 0.21%   | 0.022%  |
| 40 | 16.704 | 2330 | 2332 | 2336 | rBV5  | 4135    | 6553    | 0.17%   | 0.018%  |
| 41 | 16.745 | 2336 | 2339 | 2345 | rVV5  | 8897    | 12792   | 0.34%   | 0.036%  |
| 42 | 16.956 | 2369 | 2375 | 2381 | rBV   | 2014248 | 2696615 | 71.88%  | 7.557%  |
| 43 | 17.056 | 2386 | 2392 | 2405 | rVV   | 1685470 | 2327521 | 62.04%  | 6.523%  |
| 44 | 17.156 | 2407 | 2409 | 2412 | rVV4  | 3112    | 4023    | 0.11%   | 0.011%  |
| 45 | 17.668 | 2489 | 2496 | 2500 | rBV10 | 10951   | 22674   | 0.60%   | 0.064%  |
| 46 | 17.880 | 2527 | 2532 | 2539 | rBV   | 185450  | 273322  | 7.29%   | 0.766%  |
| 47 | 18.439 | 2624 | 2627 | 2631 | rBV5  | 8386    | 11519   | 0.31%   | 0.032%  |
| 48 | 18.750 | 2678 | 2680 | 2687 | rVB7  | 11947   | 18646   | 0.50%   | 0.052%  |
| 49 | 18.992 | 2718 | 2721 | 2723 | rBV   | 15469   | 20940   | 0.56%   | 0.059%  |
| 50 | 19.021 | 2723 | 2726 | 2733 | rVB   | 74198   | 99301   | 2.65%   | 0.278%  |
| 51 | 19.168 | 2747 | 2751 | 2757 | rBV2  | 66529   | 97181   | 2.59%   | 0.272%  |
| 52 | 19.245 | 2761 | 2764 | 2768 | rVB   | 20093   | 28115   | 0.75%   | 0.079%  |
| 53 | 19.356 | 2777 | 2783 | 2796 | rBV   | 2287298 | 3115051 | 83.04%  | 8.729%  |
| 54 | 19.992 | 2887 | 2891 | 2894 | rBV   | 26972   | 34836   | 0.93%   | 0.098%  |
| 55 | 20.897 | 3041 | 3045 | 3053 | rBV   | 347042  | 457502  | 12.20%  | 1.282%  |
| 56 | 21.156 | 3083 | 3089 | 3093 | rBV   | 3056531 | 3751366 | 100.00% | 10.513% |
| 57 | 23.185 | 3428 | 3434 | 3441 | rBV   | 1696272 | 2950078 | 78.64%  | 8.267%  |
| 58 | 23.327 | 3451 | 3458 | 3466 | rVB   | 1993530 | 3546530 | 94.54%  | 9.939%  |

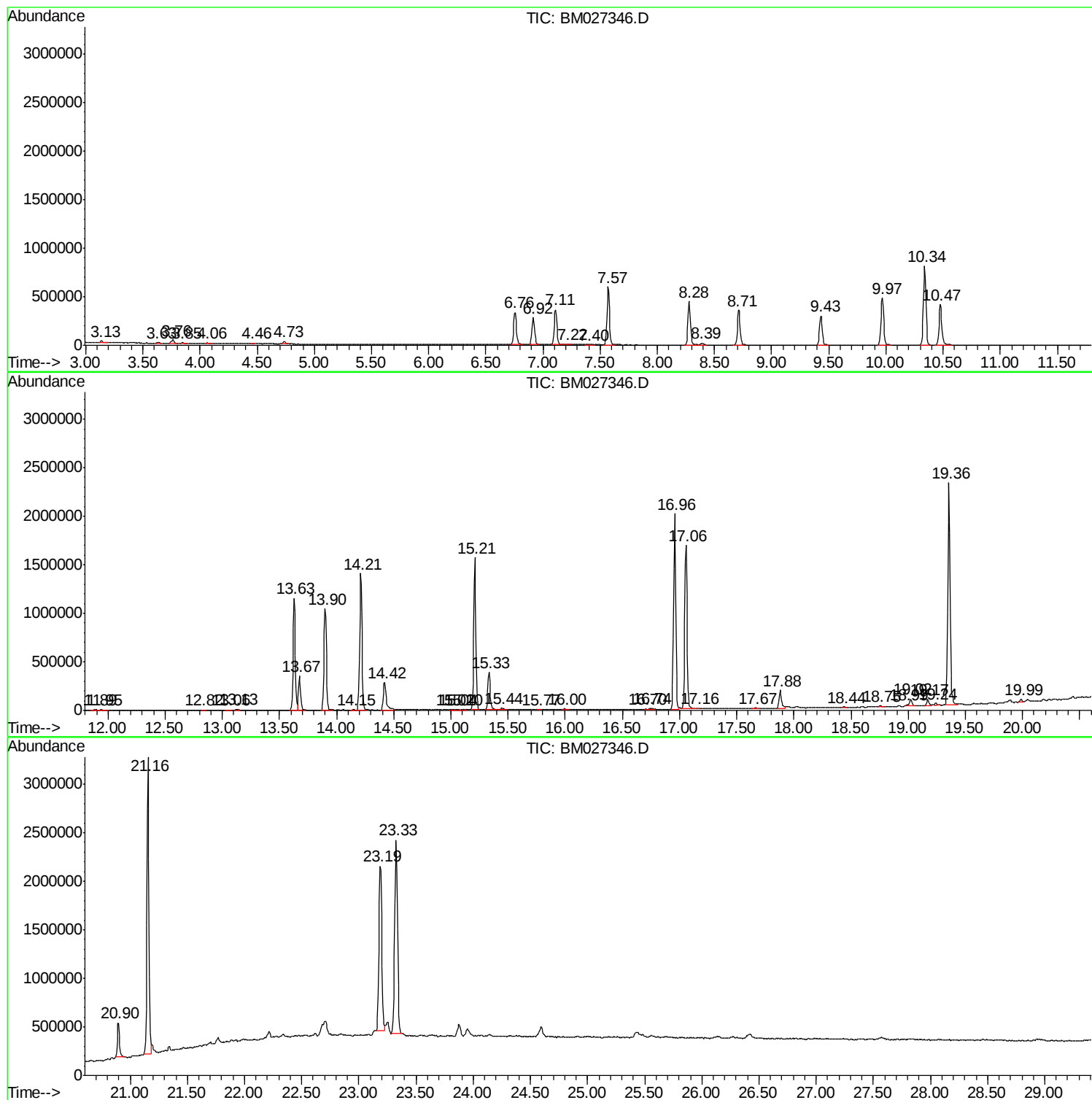
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
Quant Title : SVOA CALIBRATION

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



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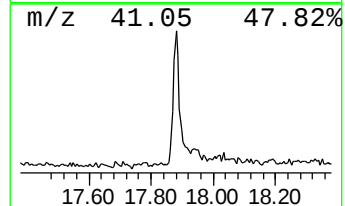
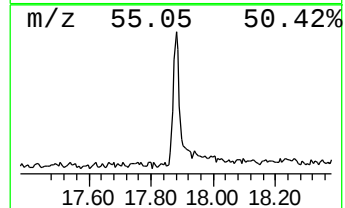
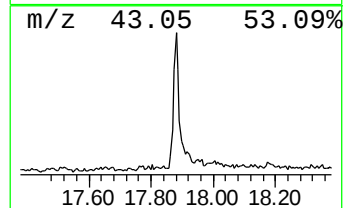
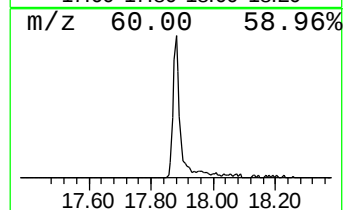
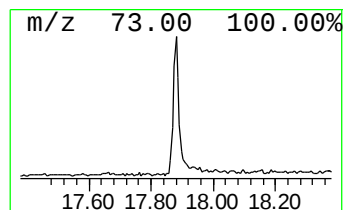
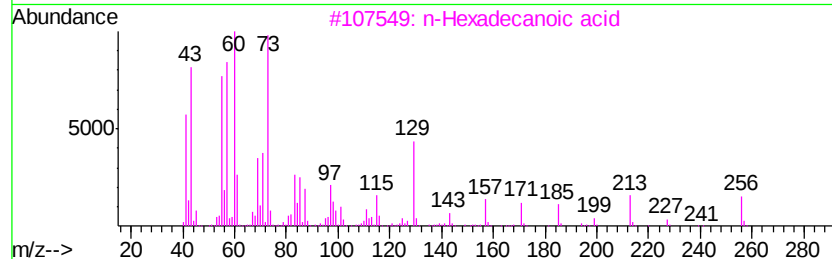
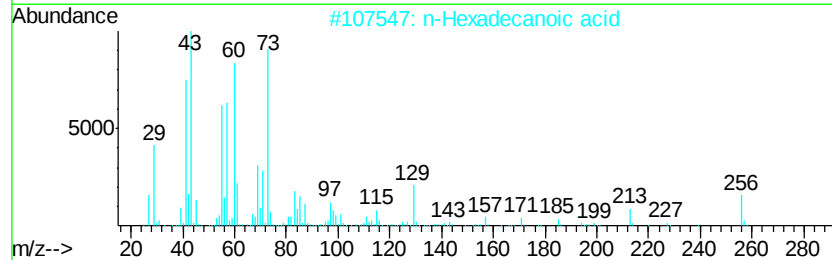
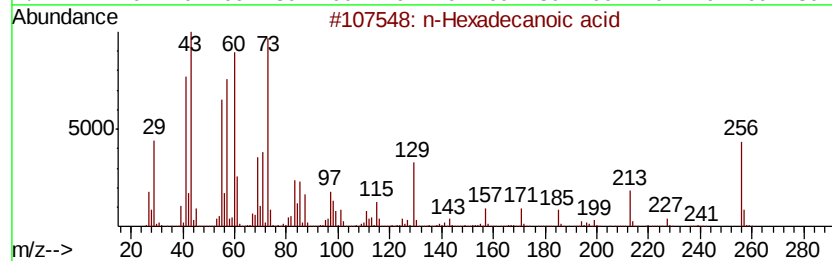
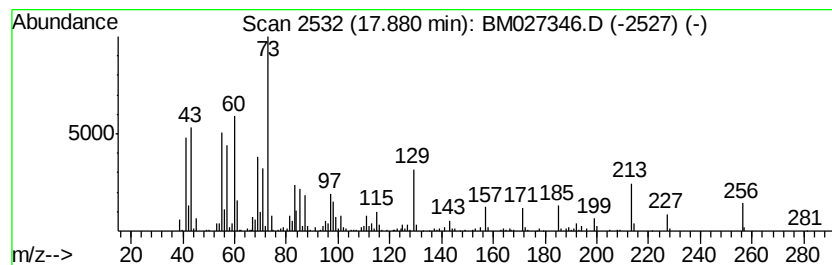
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TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 17.88     | 2.03 ng/ul          | 273322 | Phenanthrene-d10 |             | 16.96 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 97    |
| 2         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 96    |
| 3         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 94    |
| 4         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 58    |
| 5         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 53    |



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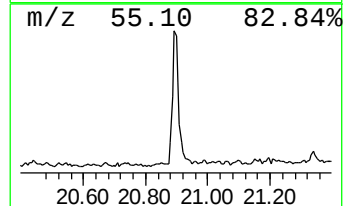
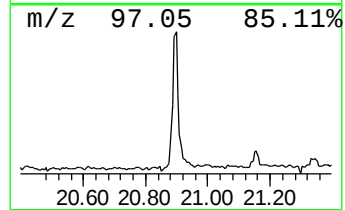
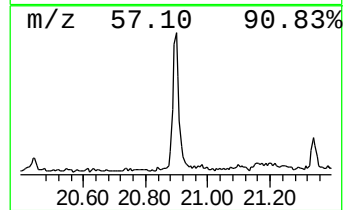
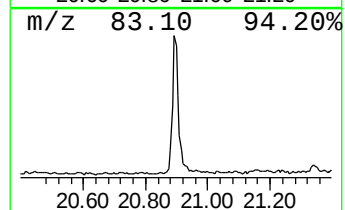
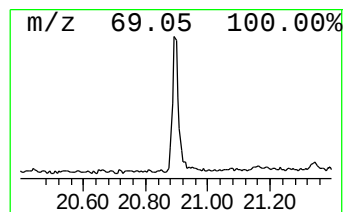
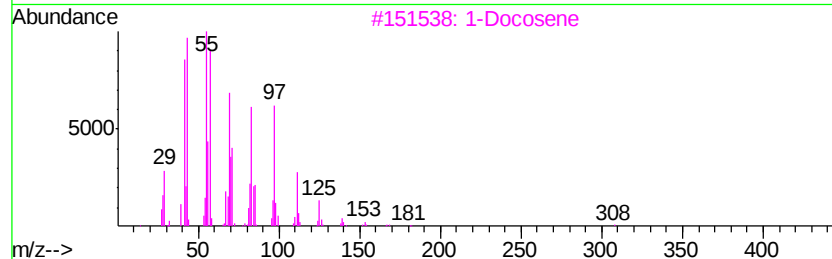
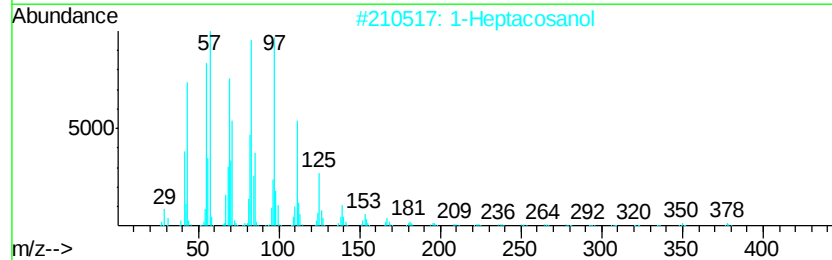
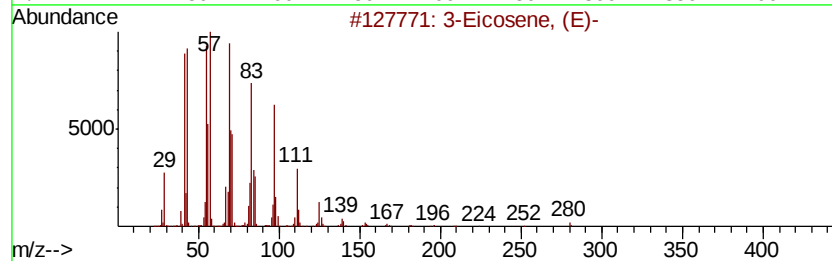
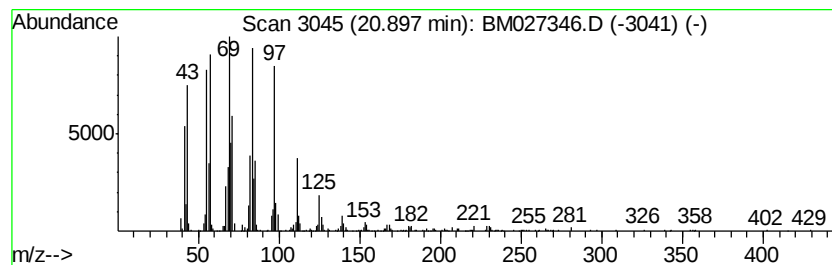
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.90 | 2.44 ng/ul | 457502 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 3  | Eicosene, (E)- | 280 | C20H40  | 074685-33-9 | 87   |
| 2    | 1  | Heptacosanol   | 396 | C27H56O | 002004-39-9 | 81   |
| 3    | 1  | Docosene       | 308 | C22H44  | 001599-67-3 | 74   |
| 4    | 1  | Eicosanol      | 298 | C20H42O | 000629-96-9 | 62   |
| 5    | 1  | Tricosene      | 322 | C23H46  | 018835-32-0 | 62   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.88 | 2.0     | ng/ul | 273322   | 4                     | 16.96 | 2696620 | 20.0 |
| (DEL) Alkane: Str... | 20.90 | 2.4     | ng/ul | 457502   | 5                     | 21.16 | 3751370 | 20.0 |