

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112717\  
 Data File : BM013118.D  
 Acq On : 27 Nov 2017 19:38  
 Operator : SJ/JU  
 Sample : I6496-19  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AB0

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 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:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111617.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         | 4.863       | 298           | 302         | 309          | rVB2     | 66770          | 97156         | 1.96%           | 0.190%        |
| 2         | 6.893       | 641           | 647         | 660          | rBV2     | 548289         | 1008585       | 20.30%          | 1.969%        |
| 3         | 7.051       | 666           | 674         | 682          | rVB      | 466607         | 725289        | 14.60%          | 1.416%        |
| 4         | 7.245       | 699           | 707         | 717          | rVB      | 601728         | 960053        | 19.32%          | 1.874%        |
| 5         | 7.710       | 778           | 786         | 794          | rBV      | 659107         | 1057714       | 21.29%          | 2.065%        |
| 6         | 8.422       | 900           | 907         | 915          | rBV      | 560718         | 871933        | 17.55%          | 1.702%        |
| 7         | 8.857       | 974           | 981         | 988          | rBV      | 658509         | 1068168       | 21.50%          | 2.085%        |
| 8         | 9.281       | 1047          | 1053        | 1058         | rBV      | 39753          | 64012         | 1.29%           | 0.125%        |
| 9         | 9.575       | 1095          | 1103        | 1112         | rBV      | 564329         | 905208        | 18.22%          | 1.767%        |
| 10        | 10.122      | 1185          | 1196        | 1205         | rBV      | 766773         | 1316918       | 26.51%          | 2.571%        |
| 11        | 10.486      | 1251          | 1258        | 1267         | rBV      | 949701         | 1573724       | 31.68%          | 3.072%        |
| 12        | 10.628      | 1274          | 1282        | 1293         | rBV      | 593852         | 1043616       | 21.01%          | 2.037%        |
| 13        | 13.180      | 1708          | 1716        | 1722         | rBV2     | 42611          | 64390         | 1.30%           | 0.126%        |
| 14        | 13.763      | 1809          | 1815        | 1819         | rBV      | 1796366        | 2416129       | 48.63%          | 4.717%        |
| 15        | 13.810      | 1819          | 1823        | 1832         | rVB      | 265245         | 393857        | 7.93%           | 0.769%        |
| 16        | 14.039      | 1851          | 1862        | 1873         | rBV      | 1845578        | 2698856       | 54.32%          | 5.269%        |
| 17        | 14.257      | 1894          | 1899        | 1906         | rVB      | 111414         | 138323        | 2.78%           | 0.270%        |
| 18        | 14.345      | 1906          | 1914        | 1922         | rBV3     | 1537161        | 2310814       | 46.51%          | 4.511%        |
| 19        | 14.569      | 1946          | 1952        | 1967         | rBV      | 635068         | 1027568       | 20.68%          | 2.006%        |
| 20        | 14.769      | 1981          | 1986        | 1991         | rBV6     | 40230          | 72824         | 1.47%           | 0.142%        |
| 21        | 15.174      | 2047          | 2055        | 2058         | rBV2     | 59953          | 129662        | 2.61%           | 0.253%        |
| 22        | 15.210      | 2058          | 2061        | 2067         | rVB      | 115766         | 139266        | 2.80%           | 0.272%        |
| 23        | 15.345      | 2074          | 2084        | 2091         | rBV      | 2353485        | 3339814       | 67.23%          | 6.520%        |
| 24        | 15.463      | 2098          | 2104        | 2111         | rBV      | 670123         | 975290        | 19.63%          | 1.904%        |
| 25        | 16.074      | 2203          | 2208        | 2216         | rBV      | 112885         | 176143        | 3.55%           | 0.344%        |
| 26        | 16.868      | 2338          | 2343        | 2348         | rBV2     | 82734          | 113876        | 2.29%           | 0.222%        |
| 27        | 17.092      | 2374          | 2381        | 2387         | rBV2     | 2109663        | 2945231       | 59.28%          | 5.750%        |
| 28        | 17.192      | 2392          | 2398        | 2410         | rVB      | 2743233        | 3839571       | 77.29%          | 7.496%        |
| 29        | 17.604      | 2464          | 2468        | 2473         | rVB2     | 40557          | 57813         | 1.16%           | 0.113%        |
| 30        | 17.998      | 2531          | 2535        | 2544         | rBV      | 319782         | 467592        | 9.41%           | 0.913%        |
| 31        | 18.298      | 2582          | 2586        | 2593         | rVB5     | 35131          | 54294         | 1.09%           | 0.106%        |
| 32        | 18.892      | 2677          | 2687        | 2691         | rBV5     | 26121          | 59872         | 1.21%           | 0.117%        |
| 33        | 19.151      | 2722          | 2731        | 2738         | rBV2     | 251878         | 423613        | 8.53%           | 0.827%        |
| 34        | 19.280      | 2749          | 2753        | 2763         | rBV2     | 241774         | 346573        | 6.98%           | 0.677%        |

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Max Peaks: 100  
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111617.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 19.486 | 2782 | 2788 | 2797 | rBV  | 3471885 | 4968034 | 100.00% | 9.699% |
| 36 | 20.345 | 2932 | 2934 | 2941 | rVV8 | 23656   | 55600   | 1.12%   | 0.109% |
| 37 | 20.950 | 3034 | 3037 | 3041 | rVB5 | 55144   | 70067   | 1.41%   | 0.137% |
| 38 | 20.998 | 3041 | 3045 | 3052 | rBV  | 316148  | 420424  | 8.46%   | 0.821% |
| 39 | 21.274 | 3086 | 3092 | 3097 | rBV  | 2902072 | 3913535 | 78.77%  | 7.640% |
| 40 | 21.880 | 3192 | 3195 | 3203 | rVB7 | 111859  | 197532  | 3.98%   | 0.386% |
| 41 | 22.339 | 3270 | 3273 | 3278 | rVB5 | 88183   | 123014  | 2.48%   | 0.240% |
| 42 | 22.839 | 3353 | 3358 | 3363 | rBV4 | 263089  | 509871  | 10.26%  | 0.995% |
| 43 | 23.362 | 3440 | 3447 | 3453 | rBV2 | 2459125 | 4487508 | 90.33%  | 8.761% |
| 44 | 23.503 | 3464 | 3471 | 3480 | rBV  | 1690504 | 3303631 | 66.50%  | 6.450% |
| 45 | 24.056 | 3561 | 3565 | 3571 | rVB  | 171968  | 289830  | 5.83%   | 0.566% |

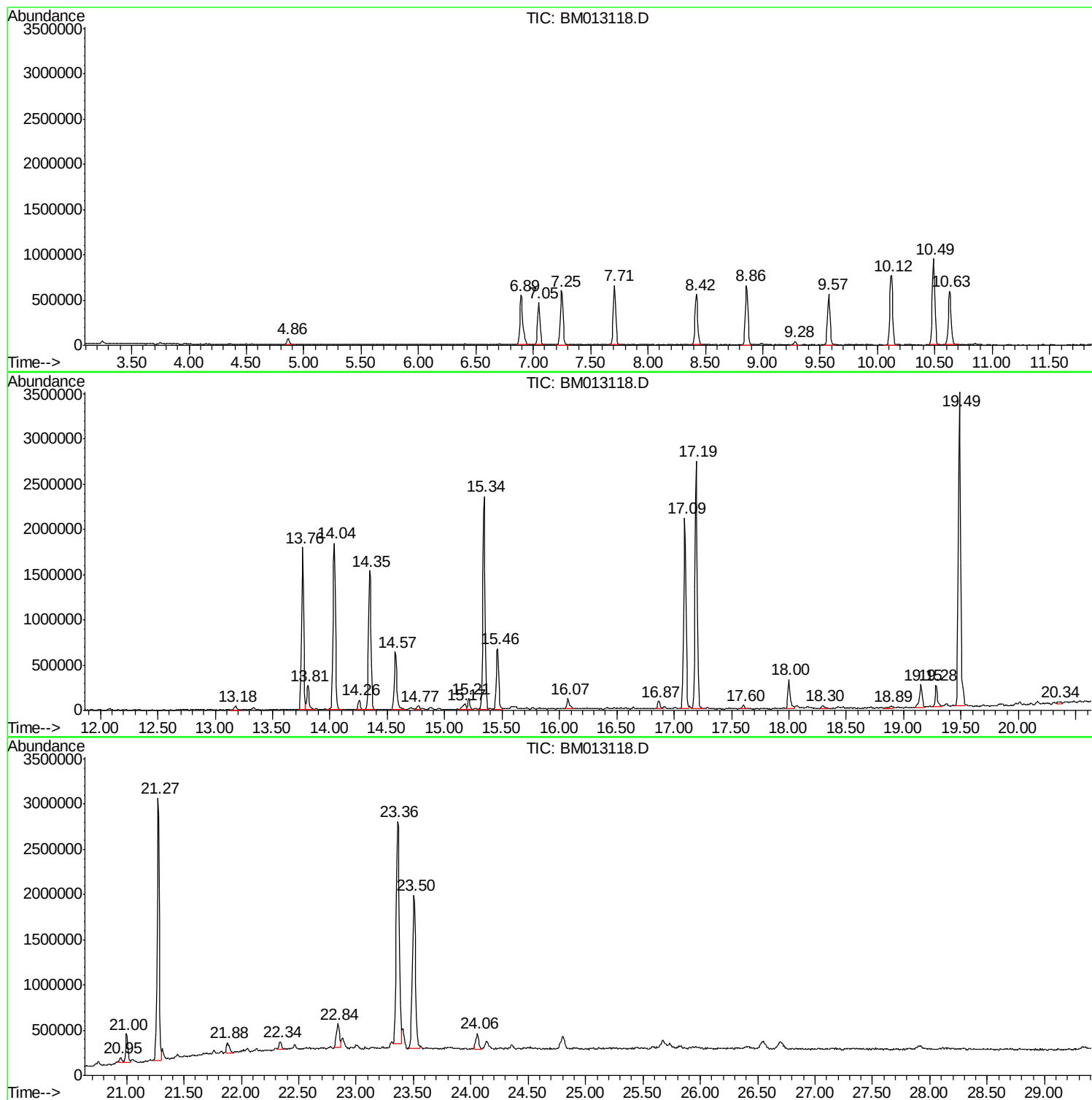
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
Quant Title : SVOA CALIBRATION

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



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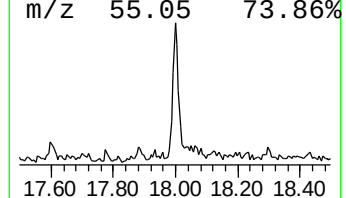
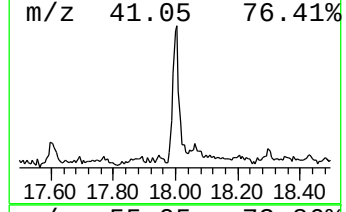
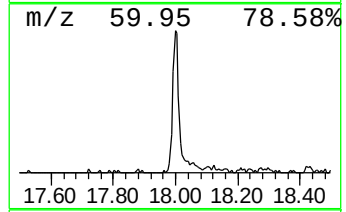
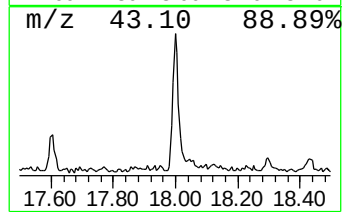
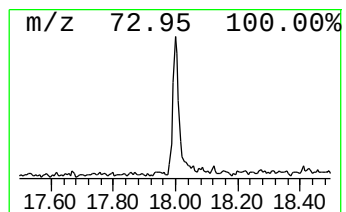
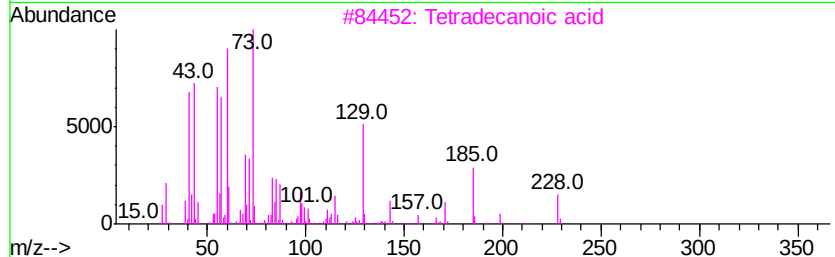
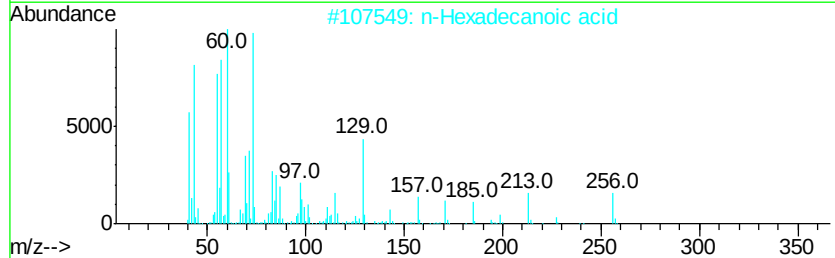
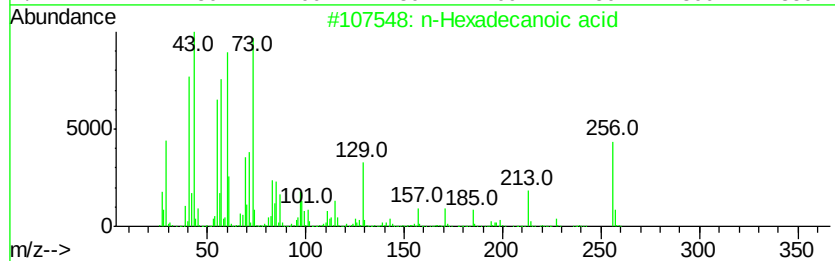
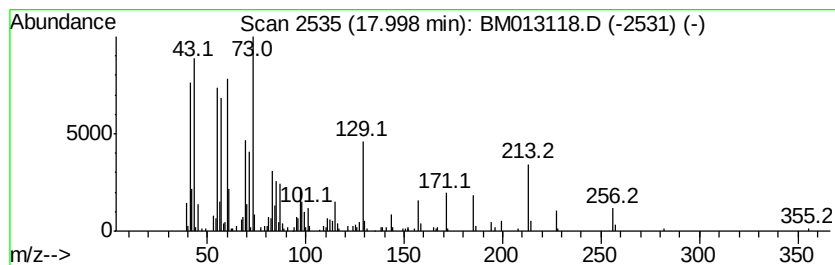
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.00 | 3.18 ng/ul | 467592 | Phenanthrene-d10 | 17.09 |

| 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    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 91   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 5    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |



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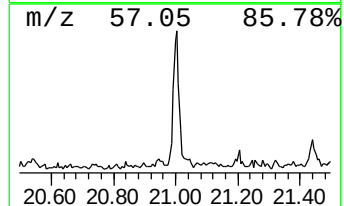
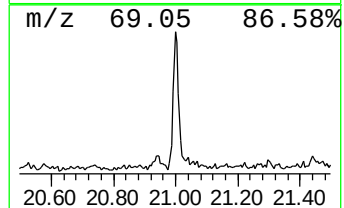
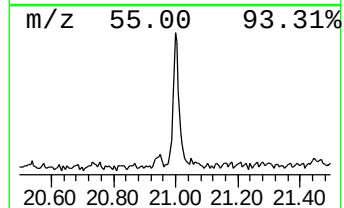
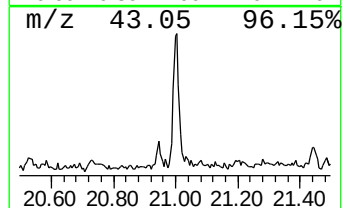
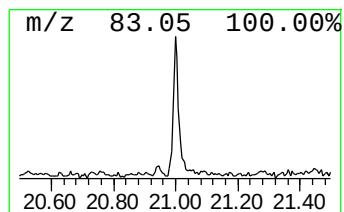
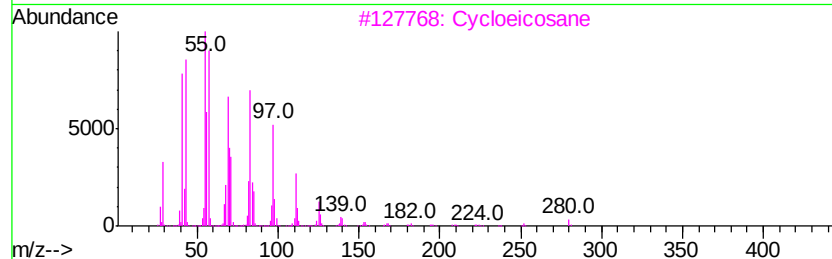
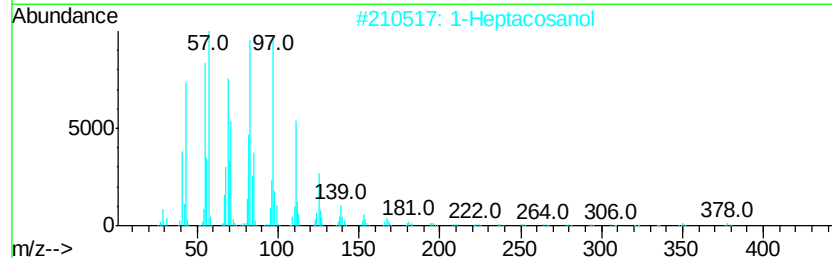
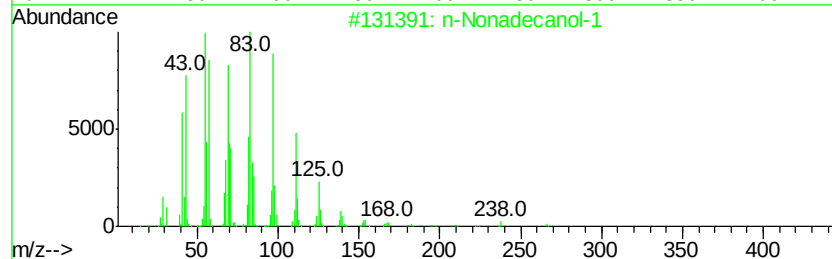
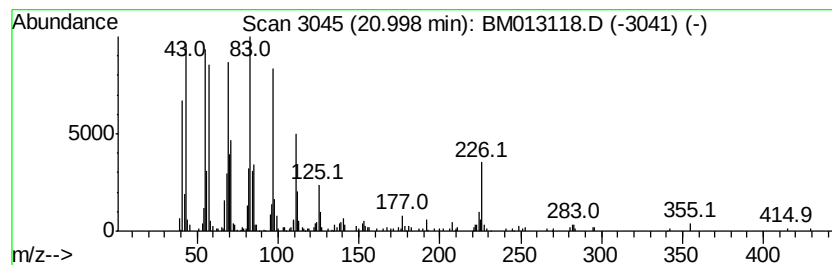
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 n-Nonadecanol-1 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.00 | 2.15 ng/ul | 420424 | Chrysene-d12     | 21.27 |

| Hit# of | 5                | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------|--------------|-----|---------|-------------|------|
| 1       | n-Nonadecanol-1  |              | 284 | C19H40O | 001454-84-8 | 93   |
| 2       | 1-Heptacosanol   |              | 396 | C27H56O | 002004-39-9 | 87   |
| 3       | Cycloeicosane    |              | 280 | C20H40  | 000296-56-0 | 86   |
| 4       | Cyclohexadecane  |              | 224 | C16H32  | 000295-65-8 | 86   |
| 5       | 3-Eicosene, (E)- |              | 280 | C20H40  | 074685-33-9 | 81   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 18.00 | 3.2     | ng/ul | 467592   | 4                     | 17.09 | 2945230 | 20.0 |
| n-Nonadecanol-1     | 21.00 | 2.1     | ng/ul | 420424   | 5                     | 21.27 | 3913540 | 20.0 |