

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM110717\  
 Data File : BM012808.D  
 Acq On : 07 Nov 2017 22:41  
 Operator : SJ/JU  
 Sample : I6164-05  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ET0D2

## 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-BM110417MA.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         | 3.805       | 118           | 122         | 128          | rBV      | 24517          | 34582         | 1.82%           | 0.140%        |
| 2         | 6.975       | 655           | 661         | 676          | rVB2     | 254772         | 465646        | 24.45%          | 1.879%        |
| 3         | 7.134       | 682           | 688         | 700          | rBB      | 224249         | 338541        | 17.78%          | 1.366%        |
| 4         | 7.334       | 715           | 722         | 732          | rBV      | 294774         | 461265        | 24.22%          | 1.861%        |
| 5         | 7.799       | 794           | 801         | 810          | rBV      | 497035         | 772221        | 40.55%          | 3.116%        |
| 6         | 8.510       | 915           | 922         | 933          | rBV      | 217993         | 355938        | 18.69%          | 1.436%        |
| 7         | 8.957       | 991           | 998         | 1009         | rVB      | 278578         | 454418        | 23.86%          | 1.834%        |
| 8         | 9.675       | 1114          | 1120        | 1132         | rBB      | 245137         | 401385        | 21.08%          | 1.620%        |
| 9         | 10.216      | 1205          | 1212        | 1231         | rBB      | 373005         | 634005        | 33.29%          | 2.559%        |
| 10        | 10.587      | 1268          | 1275        | 1283         | rBV      | 719054         | 1156319       | 60.72%          | 4.666%        |
| 11        | 10.728      | 1291          | 1299        | 1316         | rBV      | 232734         | 421068        | 22.11%          | 1.699%        |
| 12        | 11.910      | 1495          | 1500        | 1508         | rBB3     | 17050          | 27343         | 1.44%           | 0.110%        |
| 13        | 13.845      | 1823          | 1829        | 1833         | rBV      | 766371         | 1038742       | 54.55%          | 4.192%        |
| 14        | 13.892      | 1833          | 1837        | 1844         | rVB      | 397733         | 518033        | 27.20%          | 2.091%        |
| 15        | 14.128      | 1870          | 1877        | 1887         | rBV      | 862102         | 1231459       | 64.67%          | 4.970%        |
| 16        | 14.439      | 1922          | 1930        | 1937         | rBV2     | 1042958        | 1605482       | 84.31%          | 6.479%        |
| 17        | 14.657      | 1961          | 1967        | 1987         | rBV      | 157069         | 288154        | 15.13%          | 1.163%        |
| 18        | 15.239      | 2059          | 2066        | 2071         | rBV      | 45738          | 60734         | 3.19%           | 0.245%        |
| 19        | 15.433      | 2092          | 2099        | 2105         | rBV      | 1120550        | 1593666       | 83.69%          | 6.431%        |
| 20        | 15.563      | 2116          | 2121        | 2134         | rVB      | 200330         | 280388        | 14.72%          | 1.132%        |
| 21        | 15.798      | 2155          | 2161        | 2167         | rVB      | 84819          | 113547        | 5.96%           | 0.458%        |
| 22        | 17.180      | 2391          | 2396        | 2401         | rBV2     | 1296668        | 1859187       | 97.63%          | 7.503%        |
| 23        | 17.222      | 2401          | 2403        | 2408         | rVV      | 84459          | 102830        | 5.40%           | 0.415%        |
| 24        | 17.280      | 2408          | 2413        | 2423         | rVB2     | 1122369        | 1568290       | 82.35%          | 6.329%        |
| 25        | 18.074      | 2541          | 2548        | 2558         | rBV3     | 121520         | 188080        | 9.88%           | 0.759%        |
| 26        | 18.257      | 2574          | 2579        | 2583         | rBV3     | 14902          | 26647         | 1.40%           | 0.108%        |
| 27        | 18.604      | 2635          | 2638        | 2645         | rVB2     | 16296          | 21992         | 1.15%           | 0.089%        |
| 28        | 19.239      | 2738          | 2746        | 2752         | rBV      | 275661         | 382763        | 20.10%          | 1.545%        |
| 29        | 19.351      | 2761          | 2765        | 2774         | rBV4     | 46177          | 81519         | 4.28%           | 0.329%        |
| 30        | 19.574      | 2797          | 2803        | 2807         | rBV      | 1299876        | 1831985       | 96.20%          | 7.393%        |
| 31        | 20.098      | 2889          | 2892        | 2898         | rVB2     | 32782          | 51471         | 2.70%           | 0.208%        |
| 32        | 20.198      | 2906          | 2909        | 2913         | rBV2     | 21721          | 26841         | 1.41%           | 0.108%        |
| 33        | 21.068      | 3054          | 3057        | 3066         | rVB4     | 129928         | 172153        | 9.04%           | 0.695%        |
| 34        | 21.362      | 3101          | 3107        | 3111         | rBV      | 1413095        | 1904355       | 100.00%         | 7.685%        |

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## Integration Parameters: LSCINT.P

Integrator: RTE  
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Sampling : 1  
Start Thrs: 0.2  
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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-BM110417MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 21.398 | 3111 | 3113 | 3118 | rVB  | 123401 | 133211  | 7.00%  | 0.538% |
| 36 | 22.933 | 3371 | 3374 | 3390 | rVB2 | 153079 | 577028  | 30.30% | 2.329% |
| 37 | 23.498 | 3464 | 3470 | 3476 | rBV2 | 784804 | 1476532 | 77.53% | 5.959% |
| 38 | 23.639 | 3488 | 3494 | 3510 | rVB2 | 892459 | 1811774 | 95.14% | 7.312% |
| 39 | 24.168 | 3580 | 3584 | 3592 | rVB3 | 162474 | 310097  | 16.28% | 1.251% |

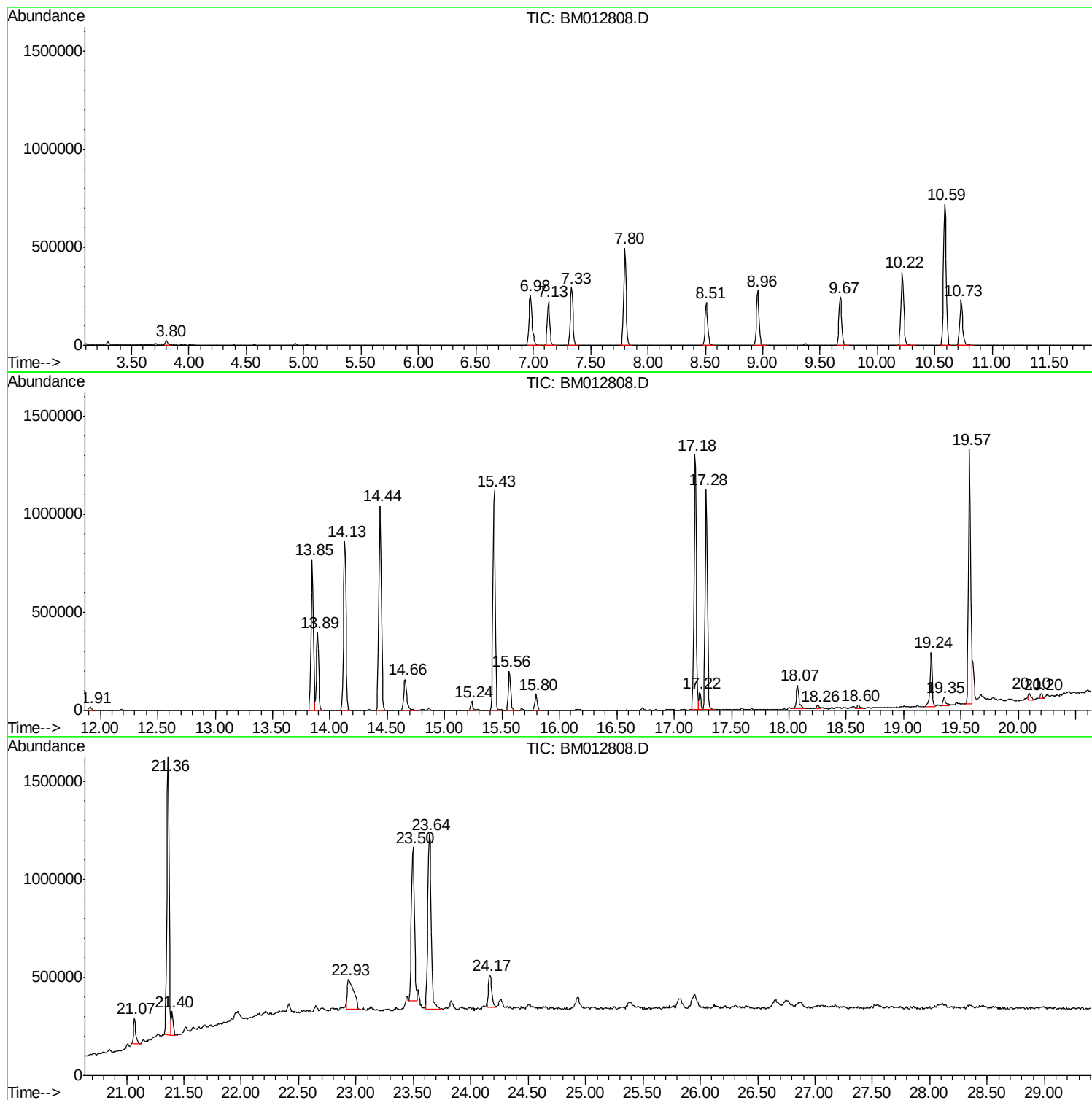
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM110417MA.M  
Quant Title : SVOA CALIBRATION

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



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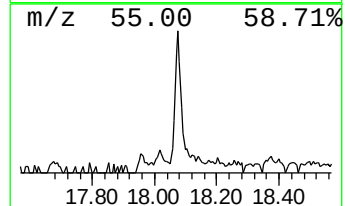
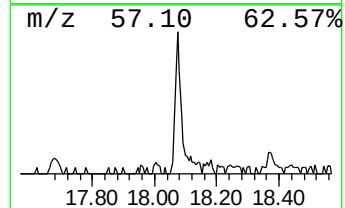
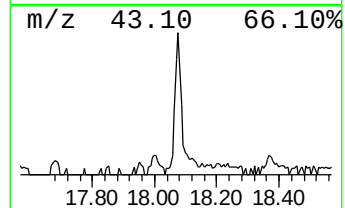
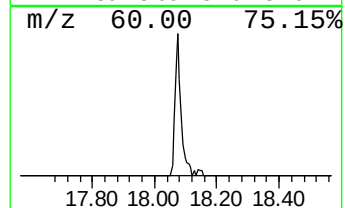
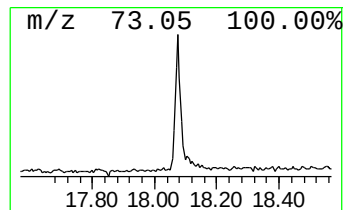
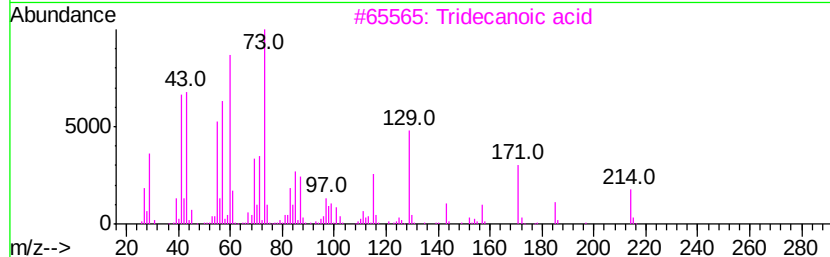
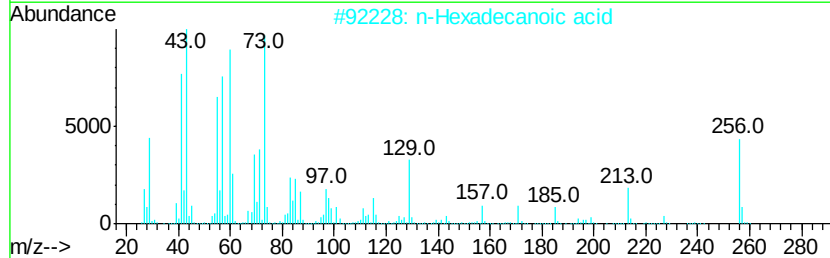
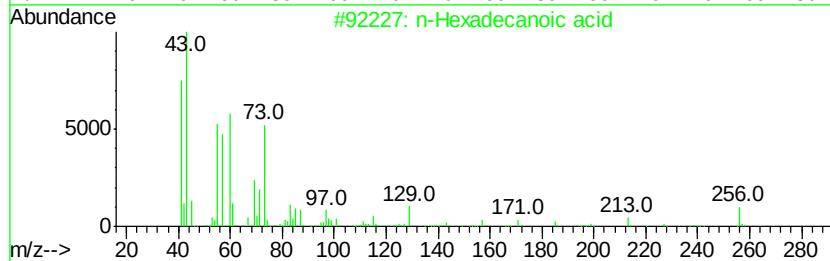
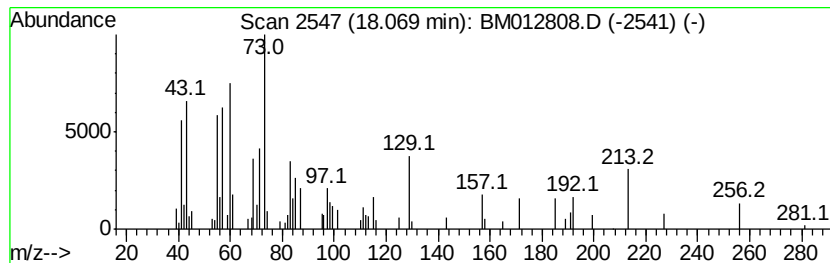
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.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.     |             |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 18.07   | 2.02 ng/ul | 188080              | Phenanthrene-d10 | 17.18    |             |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 96   |
| 2       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 93   |
| 3       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 89   |
| 4       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 89   |
| 5       |            | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 74   |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M  
Quant Title : SVOA CALIBRATION

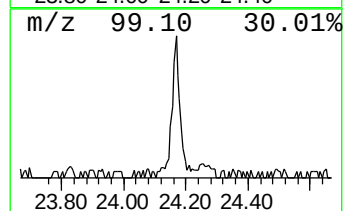
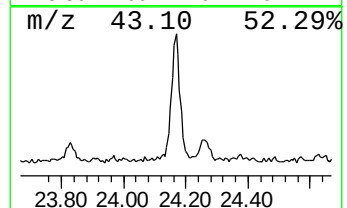
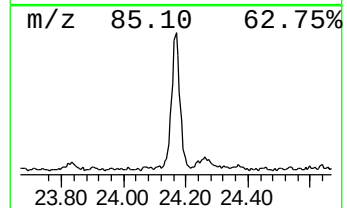
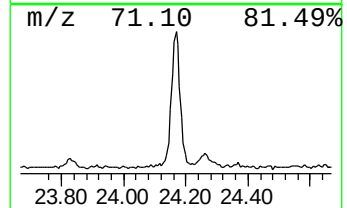
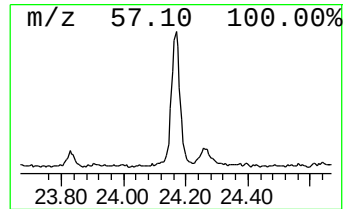
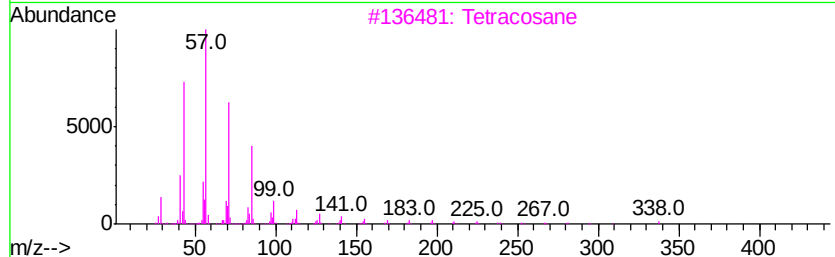
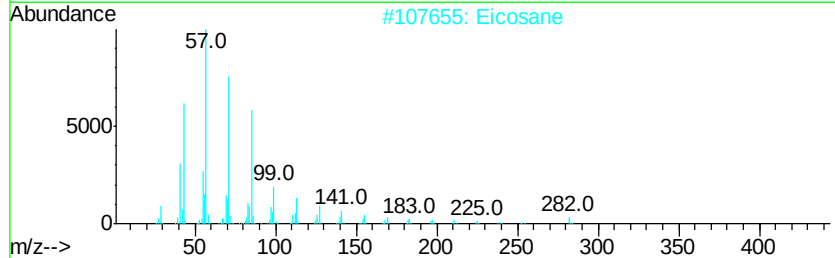
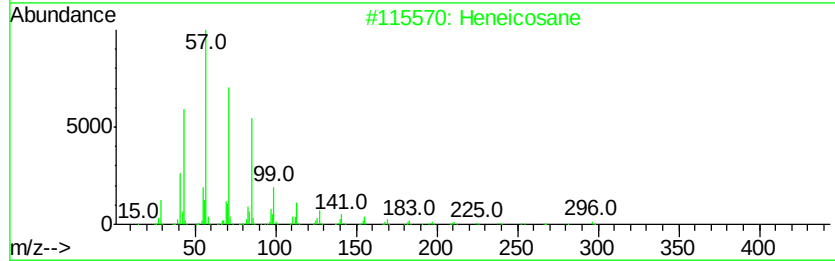
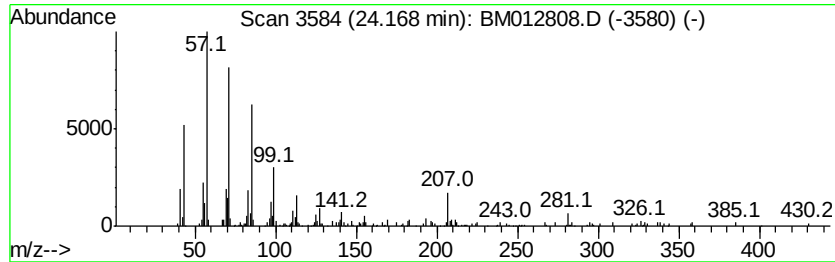
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TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.17 | 3.42 ng/ul | 310097 | Perylene-d12     | 23.64 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 95   |
| 2    |    |   | Eicosane                            | 282 | C20H42  | 000112-95-8 | 91   |
| 3    |    |   | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 91   |
| 4    |    |   | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 87   |
| 5    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 87   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 18.07 | 2.0     | ng/ul | 188080   | 4                     | 17.18 | 1859190 | 20.0 |
| (DEL) Alkane: Str... | 24.17 | 3.4     | ng/ul | 310097   | 6                     | 23.64 | 1811770 | 20.0 |