

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM011218\  
 Data File : BM013571.D  
 Acq On : 12 Jan 2018 19:06  
 Operator : SJ/JU  
 Sample : J1079-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DAJJ6

## 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-BM011018.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       | 11            | 13          | 20           | rVB      | 42286          | 57293         | 2.01%           | 0.160%        |
| 2         | 6.804       | 627           | 632         | 645          | rVB2     | 558736         | 1031311       | 36.15%          | 2.886%        |
| 3         | 6.969       | 653           | 660         | 668          | rBV      | 453884         | 681265        | 23.88%          | 1.906%        |
| 4         | 7.163       | 687           | 693         | 701          | rBV      | 588034         | 933572        | 32.72%          | 2.612%        |
| 5         | 7.628       | 765           | 772         | 780          | rVB      | 539531         | 876139        | 30.71%          | 2.452%        |
| 6         | 8.334       | 886           | 892         | 903          | rBV      | 713166         | 1146775       | 40.19%          | 3.209%        |
| 7         | 8.781       | 962           | 968         | 975          | rBV      | 588038         | 958186        | 33.58%          | 2.681%        |
| 8         | 9.187       | 1033          | 1037        | 1042         | rVB3     | 21213          | 29953         | 1.05%           | 0.084%        |
| 9         | 9.498       | 1083          | 1090        | 1101         | rVB      | 487430         | 804713        | 28.20%          | 2.252%        |
| 10        | 10.034      | 1174          | 1181        | 1192         | rBV      | 681181         | 1185089       | 41.54%          | 3.316%        |
| 11        | 10.404      | 1237          | 1244        | 1251         | rBV      | 723859         | 1169289       | 40.98%          | 3.272%        |
| 12        | 10.551      | 1262          | 1269        | 1284         | rBV      | 608629         | 1109174       | 38.88%          | 3.104%        |
| 13        | 13.098      | 1698          | 1702        | 1709         | rVB3     | 28207          | 41739         | 1.46%           | 0.117%        |
| 14        | 13.692      | 1797          | 1803        | 1808         | rBV      | 1298274        | 1747678       | 61.25%          | 4.891%        |
| 15        | 13.739      | 1808          | 1811        | 1819         | rVB      | 277826         | 389907        | 13.67%          | 1.091%        |
| 16        | 13.969      | 1842          | 1850        | 1856         | rBV      | 1381616        | 2085649       | 73.10%          | 5.836%        |
| 17        | 14.180      | 1881          | 1886        | 1894         | rBV      | 84632          | 112200        | 3.93%           | 0.314%        |
| 18        | 14.274      | 1894          | 1902        | 1910         | rVV2     | 1006939        | 1545651       | 54.17%          | 4.325%        |
| 19        | 14.498      | 1933          | 1940        | 1953         | rBV      | 437544         | 758378        | 26.58%          | 2.122%        |
| 20        | 14.804      | 1988          | 1992        | 1998         | rBV3     | 20887          | 32886         | 1.15%           | 0.092%        |
| 21        | 15.139      | 2045          | 2049        | 2053         | rVB2     | 94312          | 114032        | 4.00%           | 0.319%        |
| 22        | 15.274      | 2066          | 2072        | 2080         | rVB      | 1772466        | 2478626       | 86.87%          | 6.936%        |
| 23        | 15.410      | 2089          | 2095        | 2102         | rBV      | 472545         | 684098        | 23.98%          | 1.914%        |
| 24        | 15.516      | 2109          | 2113        | 2115         | rBV3     | 25649          | 34090         | 1.19%           | 0.095%        |
| 25        | 16.004      | 2191          | 2196        | 2204         | rBV2     | 78405          | 126980        | 4.45%           | 0.355%        |
| 26        | 16.798      | 2326          | 2331        | 2335         | rBV3     | 36393          | 49372         | 1.73%           | 0.138%        |
| 27        | 17.027      | 2364          | 2370        | 2376         | rBV2     | 1300771        | 1818311       | 63.73%          | 5.088%        |
| 28        | 17.127      | 2380          | 2387        | 2397         | rVB      | 1866125        | 2602924       | 91.23%          | 7.284%        |
| 29        | 17.933      | 2519          | 2524        | 2534         | rBV2     | 227567         | 335957        | 11.78%          | 0.940%        |
| 30        | 19.068      | 2713          | 2717        | 2720         | rBV4     | 50996          | 71932         | 2.52%           | 0.201%        |
| 31        | 19.098      | 2720          | 2722        | 2729         | rVB8     | 32131          | 50150         | 1.76%           | 0.140%        |
| 32        | 19.221      | 2738          | 2743        | 2751         | rBV2     | 146109         | 221066        | 7.75%           | 0.619%        |
| 33        | 19.427      | 2772          | 2778        | 2784         | rBV2     | 2104447        | 2812380       | 98.57%          | 7.870%        |
| 34        | 19.486      | 2785          | 2788        | 2791         | rVB5     | 33878          | 38587         | 1.35%           | 0.108%        |

## LSC Area Percent Report

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ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :  
DAJJ6

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
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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-BM011018.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 20.368 | 2933 | 2938 | 2941 | rBV5 | 55473   | 72159   | 2.53%   | 0.202% |
| 36 | 20.945 | 3032 | 3036 | 3042 | rBV3 | 116790  | 165514  | 5.80%   | 0.463% |
| 37 | 21.145 | 3066 | 3070 | 3076 | rBV  | 538805  | 608761  | 21.34%  | 1.704% |
| 38 | 21.221 | 3078 | 3083 | 3090 | rBV  | 1505155 | 1959188 | 68.67%  | 5.482% |
| 39 | 22.268 | 3258 | 3261 | 3266 | rVB6 | 47129   | 54238   | 1.90%   | 0.152% |
| 40 | 22.392 | 3278 | 3282 | 3287 | rBV2 | 79850   | 118796  | 4.16%   | 0.332% |
| 41 | 23.292 | 3428 | 3435 | 3447 | rVB2 | 1418432 | 2853121 | 100.00% | 7.984% |
| 42 | 23.427 | 3452 | 3458 | 3469 | rVB2 | 945281  | 1768642 | 61.99%  | 4.949% |

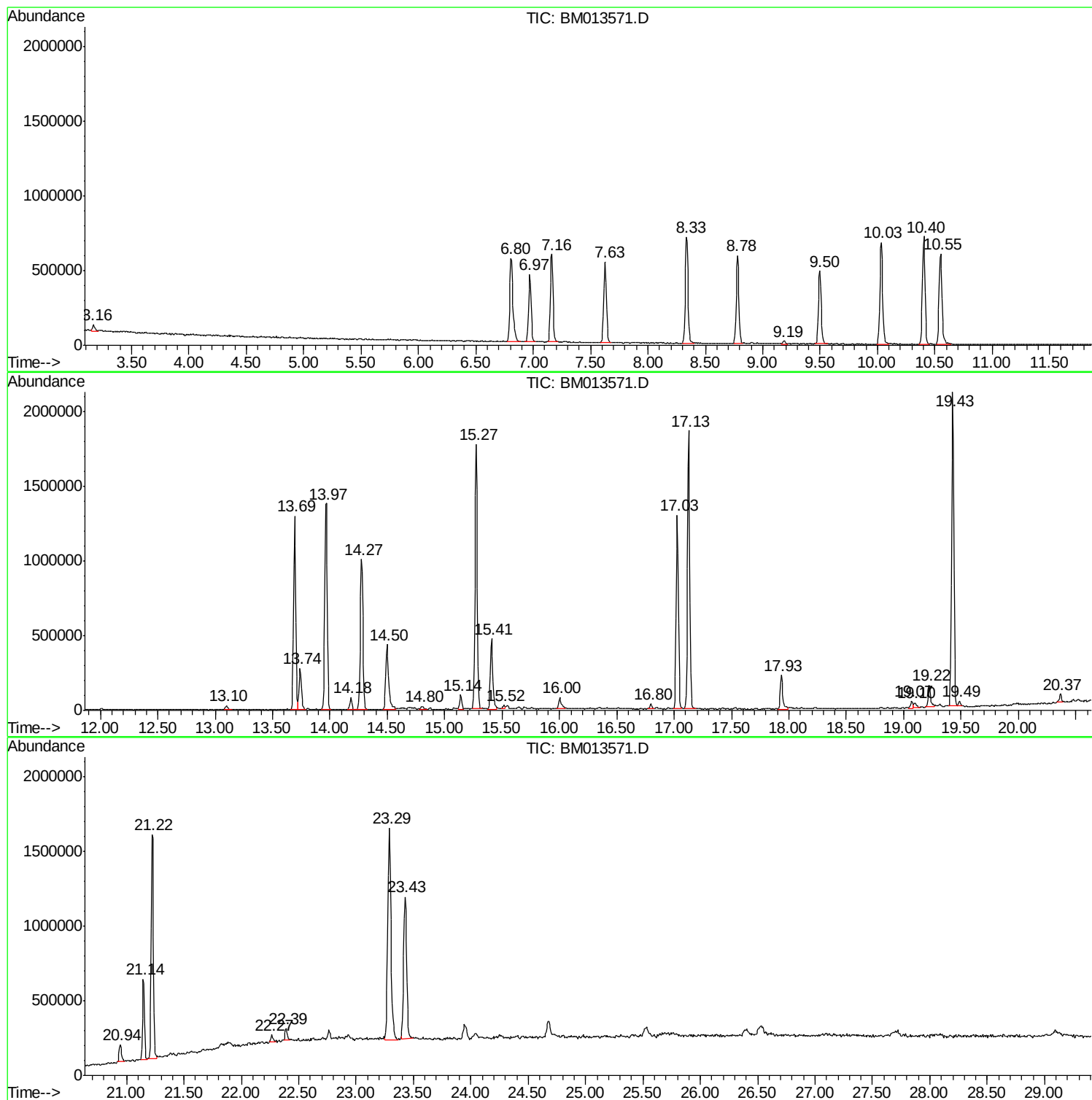
Sum of corrected areas: 35735771

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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



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Sample : J1079-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

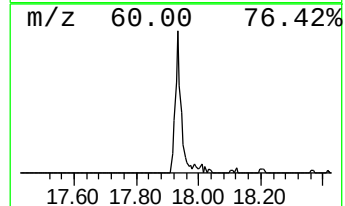
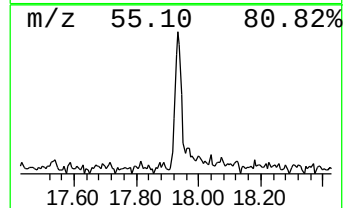
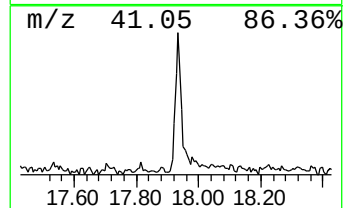
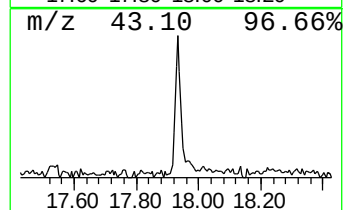
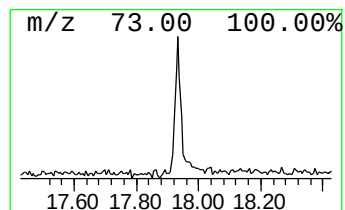
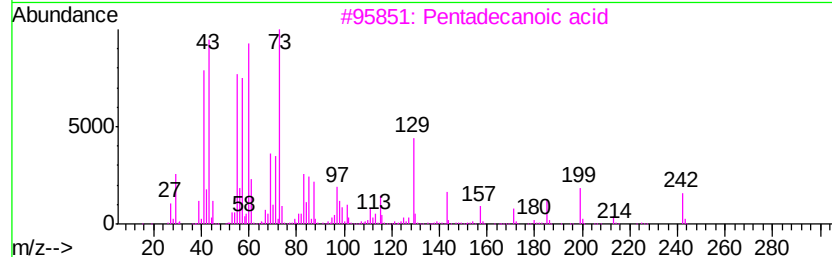
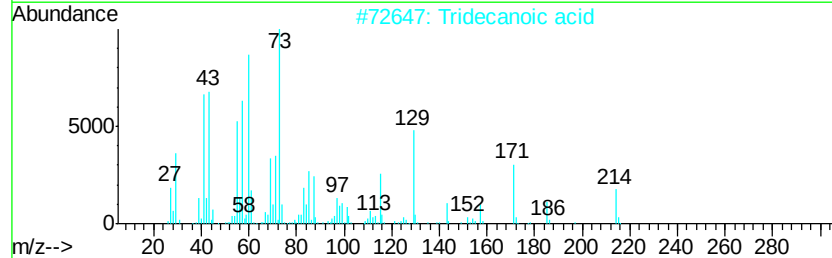
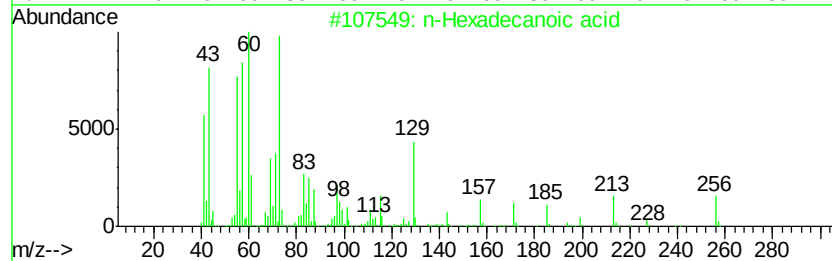
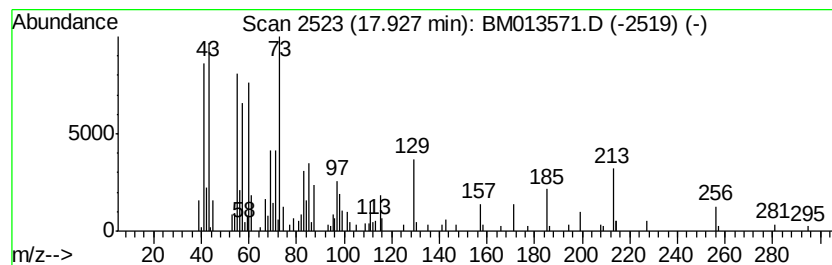
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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.        |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.93   | 3.70 ng/ul | 335957              | Phenanthrene-d10 |          | 17.03       |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 94   |
| 2       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 90   |
| 3       |            | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 76   |
| 4       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 76   |
| 5       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 76   |



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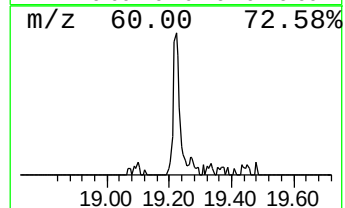
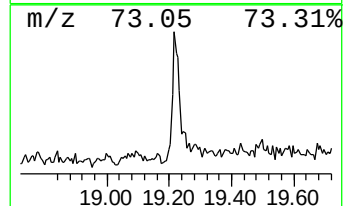
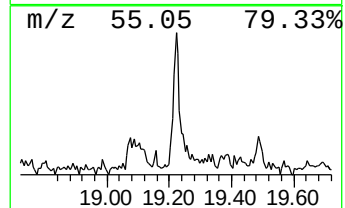
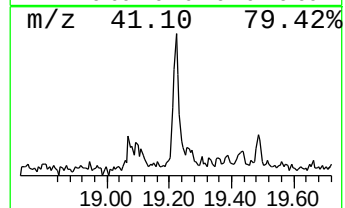
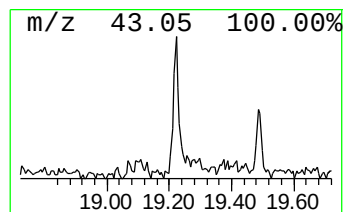
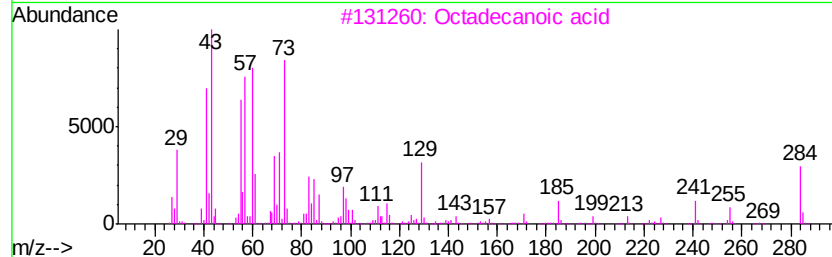
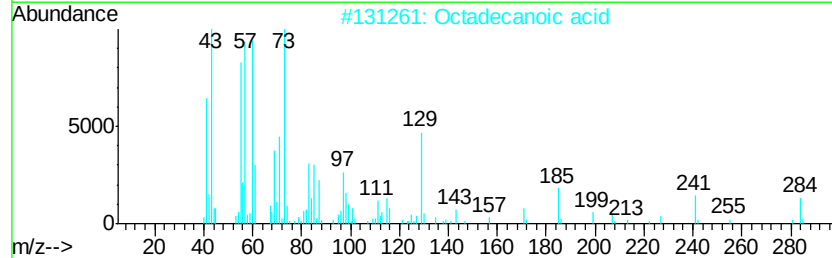
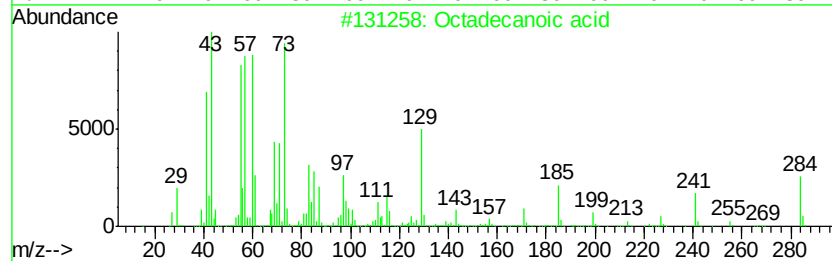
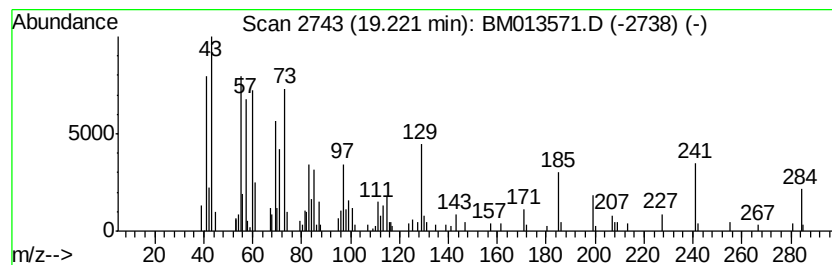
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Octadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD  |     | R.T.     |             |      |
|-------|------------|--------|-------------------|-----|----------|-------------|------|
| 19.22 | 2.26 ng/ul | 221066 | Chrysene-d12      |     | 21.22    |             |      |
| Hit#  | of         | 5      | Tentative ID      | MW  | MolForm  | CAS#        | Qual |
| 1     |            |        | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98   |
| 2     |            |        | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 96   |
| 3     |            |        | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 91   |
| 4     |            |        | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 86   |
| 5     |            |        | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 62   |



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TIC Library : C:\DATABASE\NIST11.L  
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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 17.93 | 3.7     | ng/ul | 335957   | 4                     | 17.03 | 1818310 | 20.0 |
| Octadecanoic acid   | 19.22 | 2.3     | ng/ul | 221066   | 5                     | 21.22 | 1959190 | 20.0 |