

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070319\  
 Data File : BM021371.D  
 Acq On : 03 Jul 2019 18:14  
 Operator : HP/JU  
 Sample : K3596-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLJF5

## 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-BM061419MA.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         | 6.922       | 663           | 669         | 683          | rVB      | 867604         | 1438162       | 30.51%          | 2.565%        |
| 2         | 7.093       | 692           | 698         | 712          | rVB      | 642076         | 1039093       | 22.04%          | 1.853%        |
| 3         | 7.281       | 723           | 730         | 740          | rBV      | 936544         | 1465504       | 31.09%          | 2.614%        |
| 4         | 7.745       | 803           | 809         | 816          | rBV      | 743954         | 1164622       | 24.71%          | 2.077%        |
| 5         | 8.451       | 922           | 929         | 943          | rBV      | 1158778        | 1873010       | 39.73%          | 3.341%        |
| 6         | 8.910       | 999           | 1007        | 1021         | rBV      | 913981         | 1513073       | 32.10%          | 2.699%        |
| 7         | 9.057       | 1030          | 1032        | 1036         | rBV4     | 3900           | 4988          | 0.11%           | 0.009%        |
| 8         | 9.269       | 1066          | 1068        | 1072         | rVB4     | 7111           | 7706          | 0.16%           | 0.014%        |
| 9         | 9.628       | 1121          | 1129        | 1141         | rVB      | 766461         | 1310437       | 27.80%          | 2.337%        |
| 10        | 10.157      | 1211          | 1219        | 1232         | rBV      | 1279215        | 2158538       | 45.79%          | 3.850%        |
| 11        | 10.533      | 1275          | 1283        | 1290         | rBV      | 1130574        | 1875966       | 39.80%          | 3.346%        |
| 12        | 10.681      | 1300          | 1308        | 1323         | rBV      | 1140548        | 1988131       | 42.17%          | 3.546%        |
| 13        | 12.128      | 1549          | 1554        | 1560         | rBV      | 19378          | 29918         | 0.63%           | 0.053%        |
| 14        | 12.386      | 1593          | 1598        | 1602         | rVB2     | 3654           | 6448          | 0.14%           | 0.012%        |
| 15        | 12.992      | 1695          | 1701        | 1704         | rBV4     | 4068           | 7397          | 0.16%           | 0.013%        |
| 16        | 13.351      | 1758          | 1762        | 1768         | rVB4     | 2368           | 5177          | 0.11%           | 0.009%        |
| 17        | 13.686      | 1811          | 1819        | 1824         | rBV5     | 6921           | 12396         | 0.26%           | 0.022%        |
| 18        | 13.804      | 1831          | 1839        | 1843         | rBV      | 2282918        | 3102756       | 65.82%          | 5.534%        |
| 19        | 13.851      | 1843          | 1847        | 1857         | rVB      | 858446         | 1172063       | 24.86%          | 2.091%        |
| 20        | 14.080      | 1879          | 1886        | 1899         | rBV      | 2594396        | 3886773       | 82.45%          | 6.933%        |
| 21        | 14.169      | 1899          | 1901        | 1906         | rVB3     | 9271           | 10680         | 0.23%           | 0.019%        |
| 22        | 14.274      | 1915          | 1919        | 1923         | rBV3     | 6576           | 9738          | 0.21%           | 0.017%        |
| 23        | 14.327      | 1923          | 1928        | 1932         | rVV6     | 8217           | 19289         | 0.41%           | 0.034%        |
| 24        | 14.392      | 1932          | 1939        | 1954         | rVB2     | 1743249        | 2716120       | 57.62%          | 4.845%        |
| 25        | 14.610      | 1967          | 1976        | 1993         | rBV      | 429360         | 854882        | 18.13%          | 1.525%        |
| 26        | 14.798      | 2007          | 2008        | 2010         | rBV2     | 5454           | 5170          | 0.11%           | 0.009%        |
| 27        | 14.827      | 2011          | 2013        | 2017         | rVB4     | 10417          | 13138         | 0.28%           | 0.023%        |
| 28        | 14.904      | 2020          | 2026        | 2031         | rBV7     | 5388           | 10939         | 0.23%           | 0.020%        |
| 29        | 15.180      | 2069          | 2073        | 2076         | rBV3     | 6986           | 10992         | 0.23%           | 0.020%        |
| 30        | 15.233      | 2076          | 2082        | 2085         | rVV3     | 14284          | 19721         | 0.42%           | 0.035%        |
| 31        | 15.386      | 2101          | 2108        | 2118         | rBV      | 3166678        | 4559090       | 96.71%          | 8.132%        |
| 32        | 15.516      | 2124          | 2130        | 2141         | rBV      | 536680         | 781419        | 16.58%          | 1.394%        |
| 33        | 15.627      | 2144          | 2149        | 2154         | rVV2     | 39515          | 59332         | 1.26%           | 0.106%        |
| 34        | 15.845      | 2182          | 2186        | 2189         | rBV3     | 4546           | 6849          | 0.15%           | 0.012%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070319\  
 Data File : BM021371.D  
 Acq On : 03 Jul 2019 18:14  
 Operator : HP/JU  
 Sample : K3596-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLJF5

## 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-BM061419MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 16.110 | 2224 | 2231 | 2236 | rBV2 | 40405   | 77330   | 1.64%   | 0.138% |
| 36 | 16.168 | 2238 | 2241 | 2248 | rVB3 | 12152   | 16405   | 0.35%   | 0.029% |
| 37 | 16.280 | 2257 | 2260 | 2264 | rVB5 | 4079    | 4923    | 0.10%   | 0.009% |
| 38 | 16.339 | 2268 | 2270 | 2273 | rBV4 | 3732    | 5463    | 0.12%   | 0.010% |
| 39 | 16.439 | 2281 | 2287 | 2288 | rBV4 | 3380    | 5201    | 0.11%   | 0.009% |
| 40 | 16.886 | 2359 | 2363 | 2365 | rVV3 | 11638   | 12098   | 0.26%   | 0.022% |
| 41 | 16.927 | 2367 | 2370 | 2376 | rVB2 | 12460   | 19428   | 0.41%   | 0.035% |
| 42 | 17.139 | 2400 | 2406 | 2413 | rBV2 | 1970520 | 2719153 | 57.68%  | 4.850% |
| 43 | 17.239 | 2416 | 2423 | 2433 | rVV  | 2948491 | 4098888 | 86.95%  | 7.311% |
| 44 | 17.621 | 2485 | 2488 | 2492 | rBV4 | 9094    | 13208   | 0.28%   | 0.024% |
| 45 | 18.027 | 2552 | 2557 | 2566 | rBV  | 228705  | 364165  | 7.73%   | 0.650% |
| 46 | 18.115 | 2568 | 2572 | 2577 | rVB2 | 16752   | 41108   | 0.87%   | 0.073% |
| 47 | 18.321 | 2603 | 2607 | 2611 | rVB5 | 12016   | 16071   | 0.34%   | 0.029% |
| 48 | 18.415 | 2619 | 2623 | 2628 | rVB5 | 44516   | 60443   | 1.28%   | 0.108% |
| 49 | 18.604 | 2652 | 2655 | 2659 | rVB5 | 7417    | 10167   | 0.22%   | 0.018% |
| 50 | 18.698 | 2667 | 2671 | 2675 | rBV6 | 11948   | 16195   | 0.34%   | 0.029% |
| 51 | 18.951 | 2711 | 2714 | 2719 | rBV4 | 17846   | 26547   | 0.56%   | 0.047% |
| 52 | 19.021 | 2722 | 2726 | 2730 | rVB5 | 40821   | 59148   | 1.25%   | 0.106% |
| 53 | 19.168 | 2747 | 2751 | 2756 | rBV  | 35347   | 59537   | 1.26%   | 0.106% |
| 54 | 19.309 | 2771 | 2775 | 2778 | rBV3 | 76127   | 95493   | 2.03%   | 0.170% |
| 55 | 19.439 | 2791 | 2797 | 2803 | rBV2 | 65522   | 106699  | 2.26%   | 0.190% |
| 56 | 19.539 | 2807 | 2814 | 2823 | rBV  | 3084720 | 4225900 | 89.64%  | 7.538% |
| 57 | 19.980 | 2885 | 2889 | 2892 | rBV2 | 34270   | 43916   | 0.93%   | 0.078% |
| 58 | 20.068 | 2901 | 2904 | 2908 | rVB  | 53081   | 56432   | 1.20%   | 0.101% |
| 59 | 20.568 | 2986 | 2989 | 2993 | rVB  | 52569   | 51612   | 1.09%   | 0.092% |
| 60 | 21.039 | 3064 | 3069 | 3078 | rBV2 | 243061  | 459022  | 9.74%   | 0.819% |
| 61 | 21.327 | 3113 | 3118 | 3127 | rBV  | 1984336 | 2541281 | 53.91%  | 4.533% |
| 62 | 22.880 | 3380 | 3382 | 3387 | rVB2 | 187418  | 241572  | 5.12%   | 0.431% |
| 63 | 23.450 | 3473 | 3479 | 3491 | rVB  | 2656651 | 4714071 | 100.00% | 8.408% |
| 64 | 23.597 | 3498 | 3504 | 3517 | rVB  | 1480432 | 2763201 | 58.62%  | 4.929% |

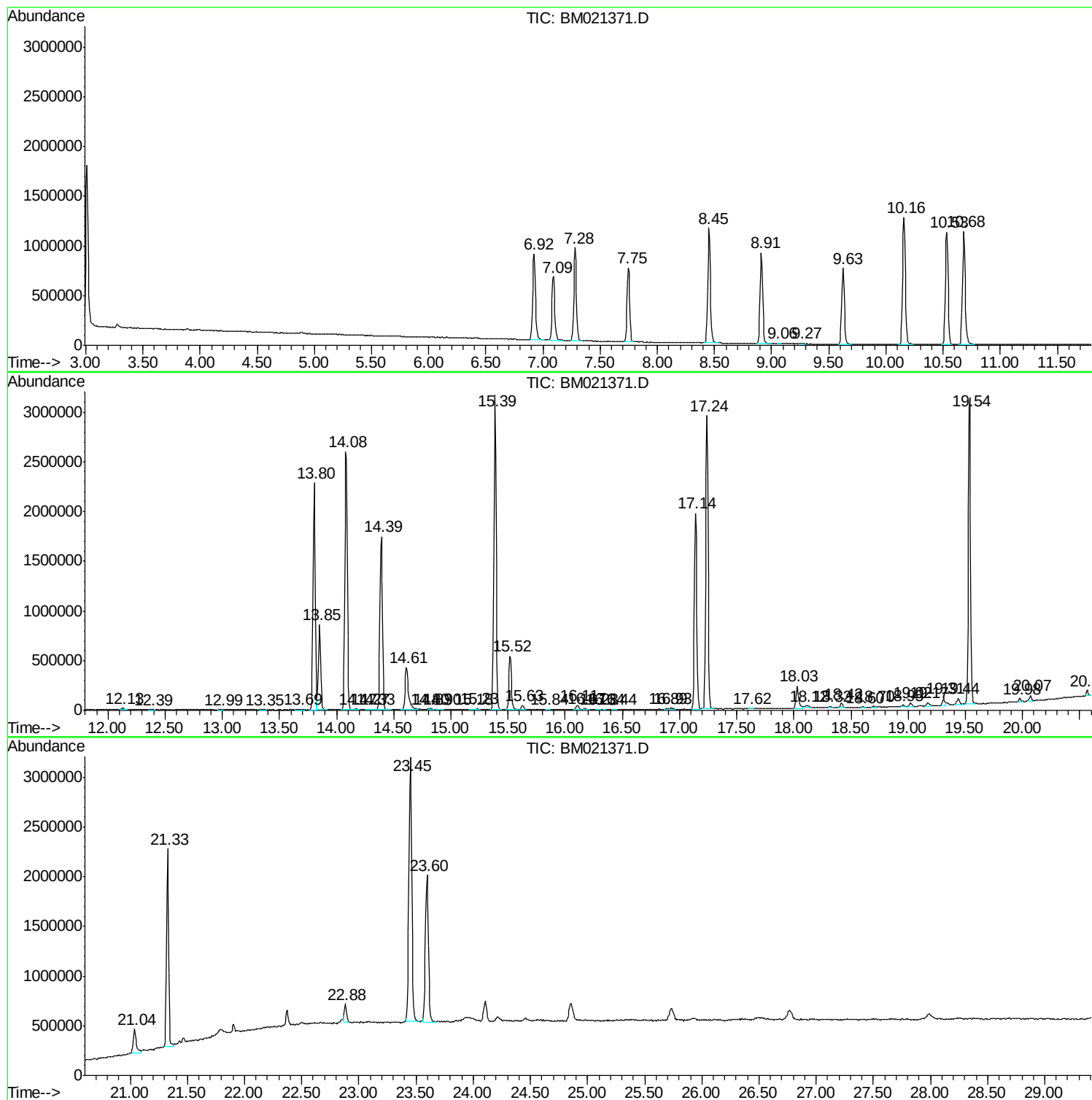
Sum of corrected areas: 56064194

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070319\  
Data File : BM021371.D  
Acq On : 03 Jul 2019 18:14  
Operator : HP/JU  
Sample : K3596-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
JLJF5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070319\  
Data File : BM021371.D  
Acq On : 03 Jul 2019 18:14  
Operator : HP/JU  
Sample : K3596-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

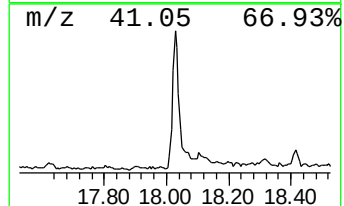
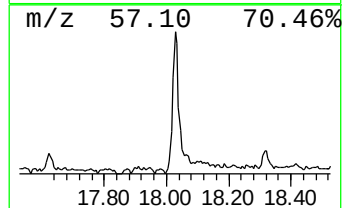
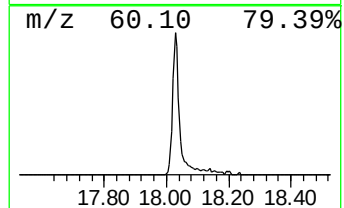
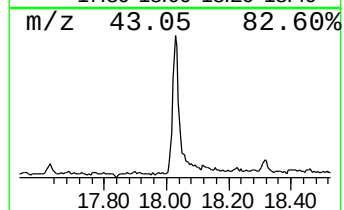
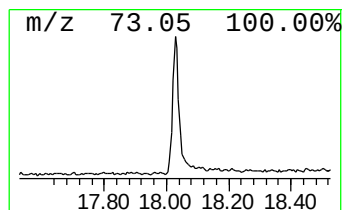
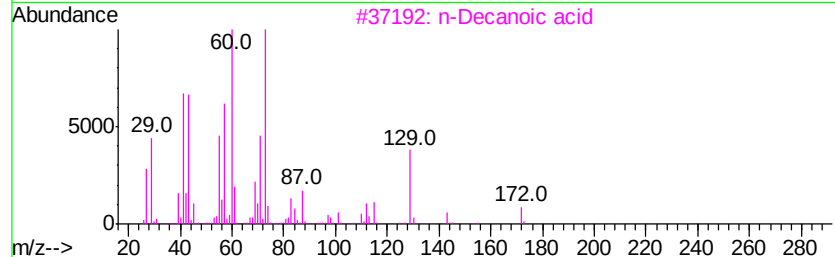
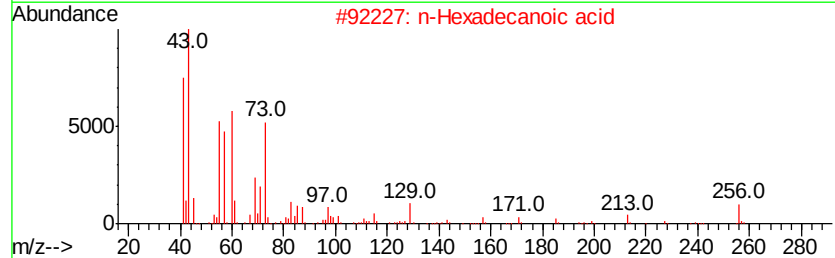
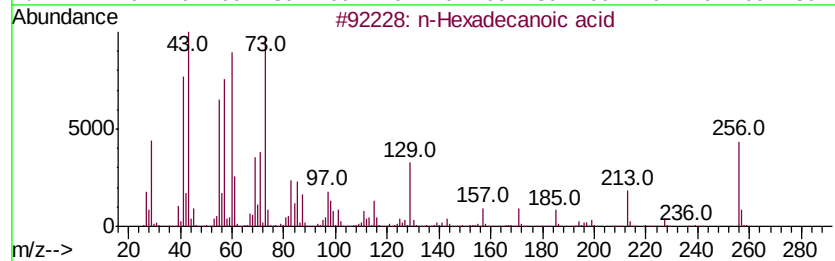
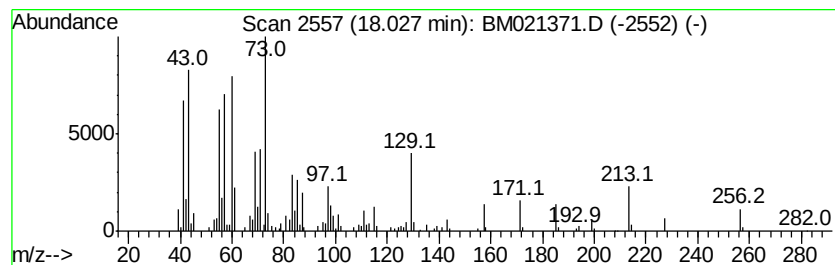
Instrument :  
BNA\_M  
ClientSampleId :  
JLJF5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.    | EstConc             | Area         | Relative to ISTD |          | R.T.        |      |
|---------|---------------------|--------------|------------------|----------|-------------|------|
| 18.03   | 2.68 ng/ul          | 364165       | Phenanthrene-d10 |          | 17.14       |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm  | CAS#        | Qual |
| 1       | n-Hexadecanoic acid |              | 256              | C16H32O2 | 000057-10-3 | 98   |
| 2       | n-Hexadecanoic acid |              | 256              | C16H32O2 | 000057-10-3 | 96   |
| 3       | n-Decanoic acid     |              | 172              | C10H20O2 | 000334-48-5 | 76   |
| 4       | Pentadecanoic acid  |              | 242              | C15H30O2 | 001002-84-2 | 72   |
| 5       | Tridecanoic acid    |              | 214              | C13H26O2 | 000638-53-9 | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070319\  
Data File : BM021371.D  
Acq On : 03 Jul 2019 18:14  
Operator : HP/JU  
Sample : K3596-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLJF5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

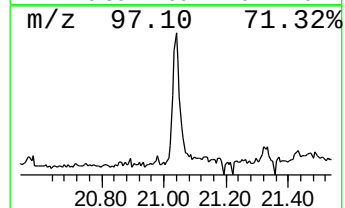
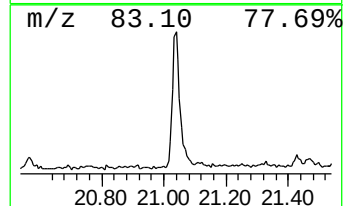
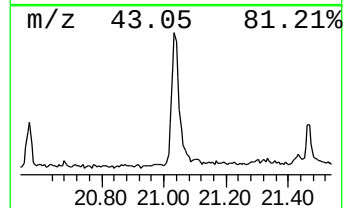
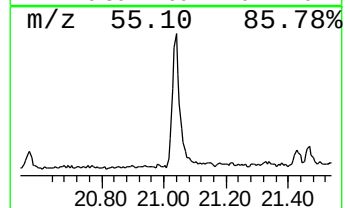
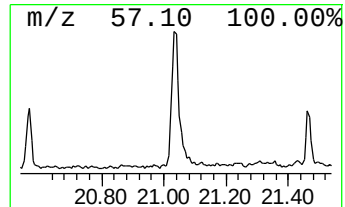
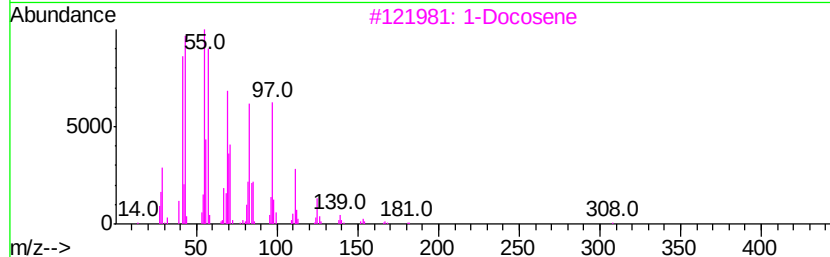
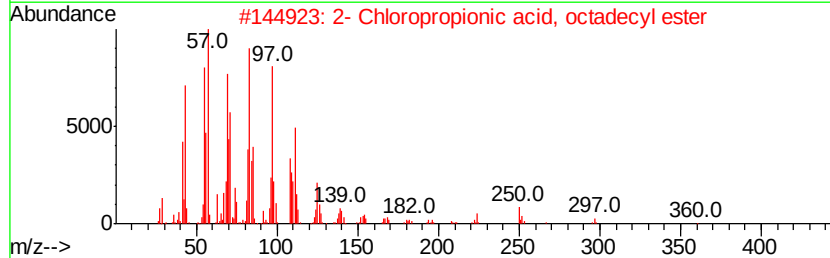
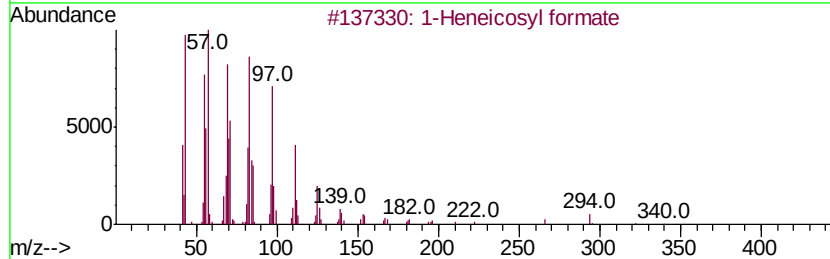
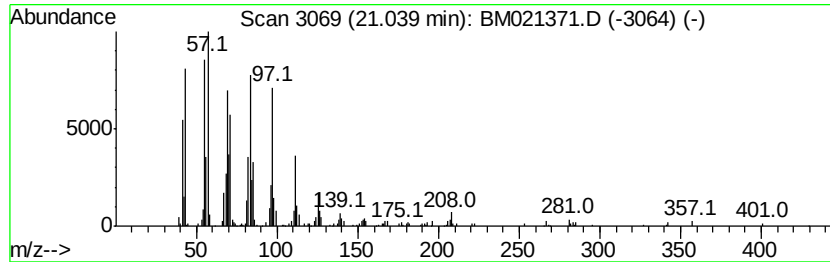
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 1-Heneicosyl formate Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.04 | 3.61 ng/ul | 459022 | Chrysene-d12     | 21.33 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7 | 94   |
| 2    |    | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2  | 088104-31-8 | 94   |
| 3    |    | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 91   |
| 4    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91   |
| 5    |    | 1-Tetracosanol                      | 354 | C24H50O     | 000506-51-4 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM070319\  
Data File : BM021371.D  
Acq On : 03 Jul 2019 18:14  
Operator : HP/JU  
Sample : K3596-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLJF5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 18.03 | 2.7     | ng/ul | 364165   | 4                     | 17.14 | 2719150 | 20.0 |
| 1-Heneicosyl formate | 21.04 | 3.6     | ng/ul | 459022   | 5                     | 21.33 | 2541280 | 20.0 |