

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090320\  
 Data File : BM027314.D  
 Acq On : 03 Sep 2020 13:12  
 Operator : JU/CG  
 Sample : L3840-09  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AE5

## 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-BM082520MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.140    | 22         | 26       | 33        | rVB   | 50603       | 65226      | 1.38%        | 0.140%     |
| 2      | 3.428    | 71         | 75       | 78        | rBV3  | 4603        | 7352       | 0.16%        | 0.016%     |
| 3      | 3.763    | 128        | 132      | 139       | rVB2  | 12006       | 20902      | 0.44%        | 0.045%     |
| 4      | 3.852    | 144        | 147      | 153       | rVB4  | 6382        | 9238       | 0.20%        | 0.020%     |
| 5      | 4.740    | 295        | 298      | 304       | rVB3  | 4194        | 6098       | 0.13%        | 0.013%     |
| 6      | 6.763    | 635        | 642      | 655       | rBV   | 732212      | 1166202    | 24.74%       | 2.498%     |
| 7      | 6.881    | 659        | 662      | 663       | rVV3  | 5160        | 6034       | 0.13%        | 0.013%     |
| 8      | 6.922    | 663        | 669      | 678       | rVB   | 588381      | 916492     | 19.45%       | 1.963%     |
| 9      | 7.116    | 695        | 702      | 712       | rBV   | 841666      | 1306057    | 27.71%       | 2.797%     |
| 10     | 7.216    | 716        | 719      | 728       | rVB4  | 6963        | 13658      | 0.29%        | 0.029%     |
| 11     | 7.575    | 773        | 780      | 789       | rBV   | 555126      | 839737     | 17.82%       | 1.798%     |
| 12     | 8.287    | 893        | 901      | 913       | rBV   | 923379      | 1482822    | 31.46%       | 3.176%     |
| 13     | 8.716    | 967        | 974      | 988       | rBV   | 767344      | 1254510    | 26.62%       | 2.687%     |
| 14     | 8.904    | 1003       | 1006     | 1011      | rVB5  | 4881        | 7511       | 0.16%        | 0.016%     |
| 15     | 9.434    | 1089       | 1096     | 1106      | rBV   | 666537      | 1084235    | 23.00%       | 2.322%     |
| 16     | 9.510    | 1108       | 1109     | 1117      | rVB3  | 2677        | 4939       | 0.10%        | 0.011%     |
| 17     | 9.975    | 1180       | 1188     | 1198      | rBV   | 1026092     | 1700586    | 36.08%       | 3.642%     |
| 18     | 10.345   | 1244       | 1251     | 1260      | rBV   | 694351      | 1102519    | 23.39%       | 2.361%     |
| 19     | 10.481   | 1266       | 1274     | 1289      | rBV   | 877203      | 1515297    | 32.15%       | 3.245%     |
| 20     | 11.880   | 1507       | 1512     | 1517      | rBV5  | 3145        | 5289       | 0.11%        | 0.011%     |
| 21     | 11.945   | 1517       | 1523     | 1532      | rVB2  | 11665       | 21798      | 0.46%        | 0.047%     |
| 22     | 13.133   | 1721       | 1725     | 1731      | rBV5  | 7924        | 13681      | 0.29%        | 0.029%     |
| 23     | 13.633   | 1804       | 1810     | 1815      | rBV   | 1878717     | 2572548    | 54.58%       | 5.509%     |
| 24     | 13.680   | 1815       | 1818     | 1827      | rVB   | 216954      | 280786     | 5.96%        | 0.601%     |
| 25     | 13.904   | 1849       | 1856     | 1871      | rBV   | 2038828     | 2940037    | 62.38%       | 6.296%     |
| 26     | 14.216   | 1902       | 1909     | 1921      | rBV   | 1117092     | 1592550    | 33.79%       | 3.411%     |
| 27     | 14.422   | 1938       | 1944     | 1958      | rBV   | 632146      | 997444     | 21.16%       | 2.136%     |
| 28     | 14.663   | 1981       | 1985     | 1990      | rBV5  | 6819        | 9037       | 0.19%        | 0.019%     |
| 29     | 15.051   | 2046       | 2051     | 2055      | rVB3  | 3884        | 5258       | 0.11%        | 0.011%     |
| 30     | 15.216   | 2072       | 2079     | 2092      | rBV   | 2696206     | 3651585    | 77.48%       | 7.820%     |
| 31     | 15.339   | 2094       | 2100     | 2111      | rVV   | 660924      | 922141     | 19.57%       | 1.975%     |
| 32     | 15.451   | 2115       | 2119     | 2126      | rVB   | 28750       | 41246      | 0.88%        | 0.088%     |
| 33     | 15.592   | 2139       | 2143     | 2149      | rBV4  | 3559        | 5638       | 0.12%        | 0.012%     |
| 34     | 15.998   | 2209       | 2212     | 2216      | rBV2  | 9060        | 11084      | 0.24%        | 0.024%     |

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 Peak separation: 5

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 16.651 | 2318 | 2323 | 2325 | rBV3 | 3288    | 4725    | 0.10%   | 0.010%  |
| 36 | 16.751 | 2336 | 2340 | 2344 | rBV2 | 5202    | 8607    | 0.18%   | 0.018%  |
| 37 | 16.963 | 2369 | 2376 | 2384 | rBV  | 1399248 | 1918345 | 40.70%  | 4.108%  |
| 38 | 17.063 | 2386 | 2393 | 2409 | rVV  | 2897340 | 3975376 | 84.35%  | 8.514%  |
| 39 | 17.168 | 2409 | 2411 | 2415 | rVB4 | 3861    | 4741    | 0.10%   | 0.010%  |
| 40 | 17.757 | 2506 | 2511 | 2517 | rBV8 | 4433    | 7544    | 0.16%   | 0.016%  |
| 41 | 17.892 | 2528 | 2534 | 2549 | rBV  | 484390  | 754722  | 16.01%  | 1.616%  |
| 42 | 18.757 | 2678 | 2681 | 2683 | rBV3 | 5925    | 6818    | 0.14%   | 0.015%  |
| 43 | 18.833 | 2690 | 2694 | 2698 | rVB6 | 10056   | 14582   | 0.31%   | 0.031%  |
| 44 | 18.998 | 2718 | 2722 | 2725 | rBV  | 28132   | 37194   | 0.79%   | 0.080%  |
| 45 | 19.174 | 2748 | 2752 | 2761 | rBV  | 182772  | 293702  | 6.23%   | 0.629%  |
| 46 | 19.245 | 2761 | 2764 | 2769 | rVB  | 33709   | 53311   | 1.13%   | 0.114%  |
| 47 | 19.362 | 2776 | 2784 | 2791 | rBV  | 3542144 | 4713137 | 100.00% | 10.094% |
| 48 | 19.445 | 2795 | 2798 | 2801 | rVB5 | 22252   | 25116   | 0.53%   | 0.054%  |
| 49 | 19.609 | 2823 | 2826 | 2828 | rBV4 | 6750    | 8196    | 0.17%   | 0.018%  |
| 50 | 19.909 | 2875 | 2877 | 2881 | rBV4 | 10446   | 11449   | 0.24%   | 0.025%  |
| 51 | 19.951 | 2881 | 2884 | 2888 | rBV2 | 16929   | 20666   | 0.44%   | 0.044%  |
| 52 | 20.445 | 2966 | 2968 | 2972 | rVB2 | 40110   | 44013   | 0.93%   | 0.094%  |
| 53 | 20.903 | 3042 | 3046 | 3055 | rBV2 | 356502  | 515203  | 10.93%  | 1.103%  |
| 54 | 21.162 | 3085 | 3090 | 3098 | rBV  | 1659752 | 2140842 | 45.42%  | 4.585%  |
| 55 | 21.350 | 3119 | 3122 | 3126 | rBV2 | 77346   | 82887   | 1.76%   | 0.178%  |
| 56 | 21.780 | 3192 | 3195 | 3199 | rVB3 | 74504   | 88117   | 1.87%   | 0.189%  |
| 57 | 22.215 | 3265 | 3269 | 3275 | rBV3 | 130805  | 253094  | 5.37%   | 0.542%  |
| 58 | 23.203 | 3430 | 3437 | 3444 | rBV  | 2409684 | 4126245 | 87.55%  | 8.837%  |
| 59 | 23.339 | 3454 | 3460 | 3470 | rVB  | 1098572 | 2006462 | 42.57%  | 4.297%  |

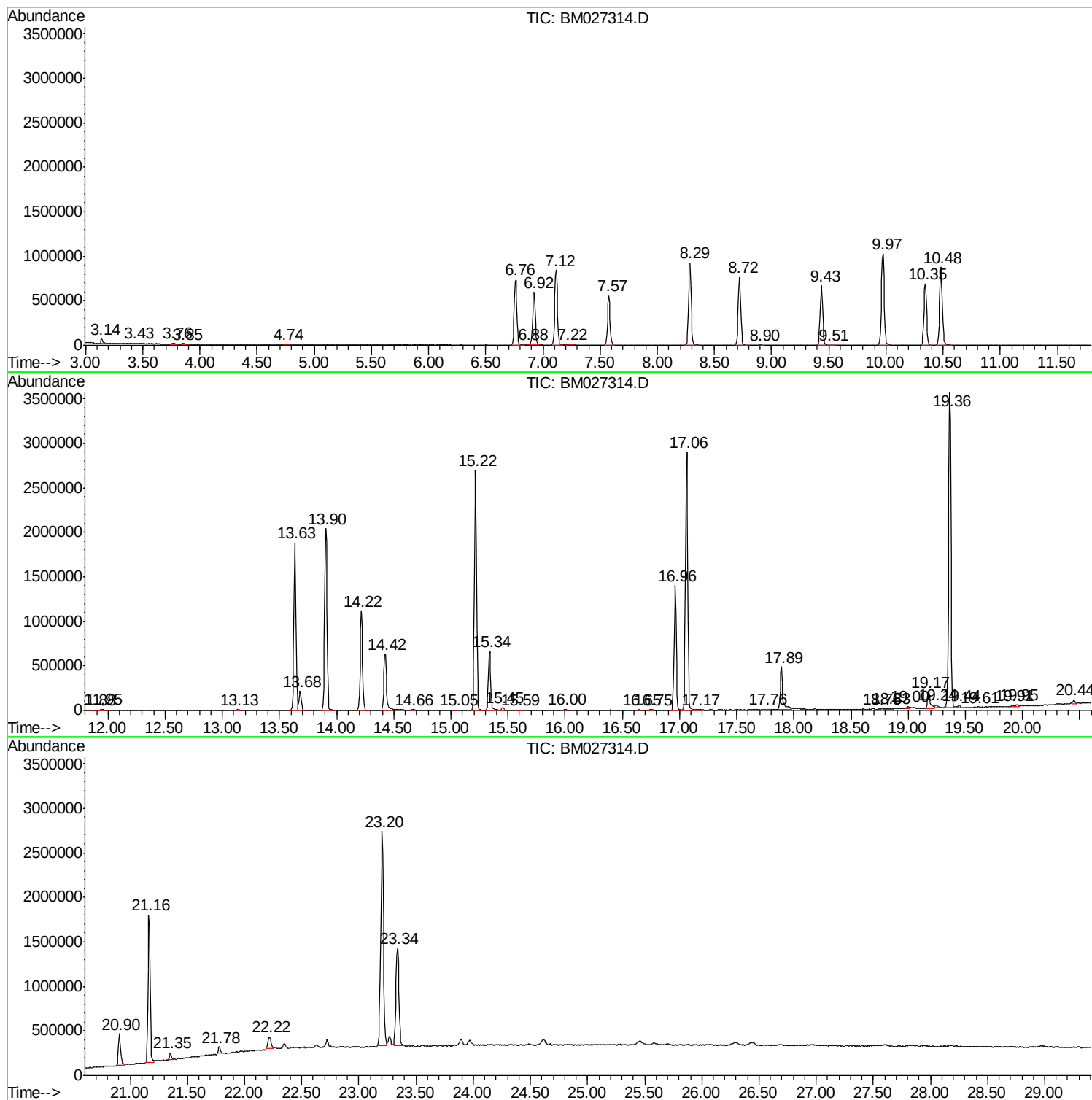
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082520MA.M  
Quant Title : SVOA CALIBRATION

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



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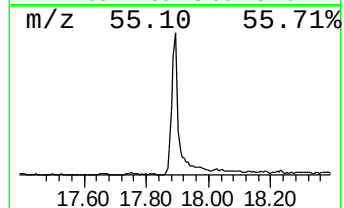
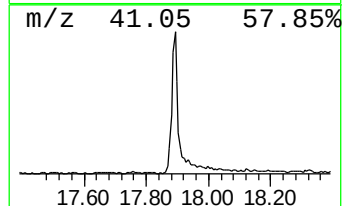
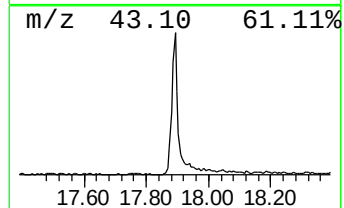
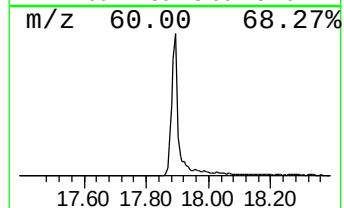
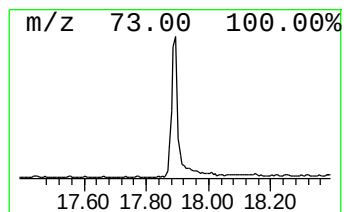
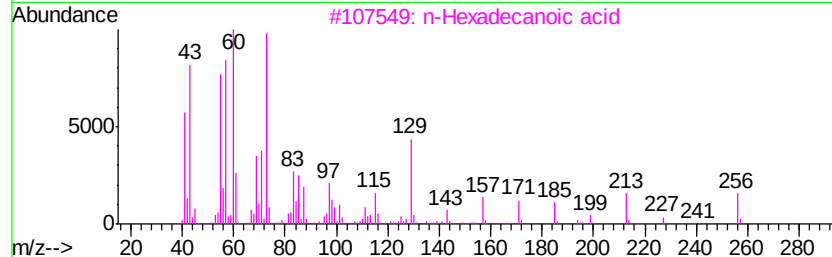
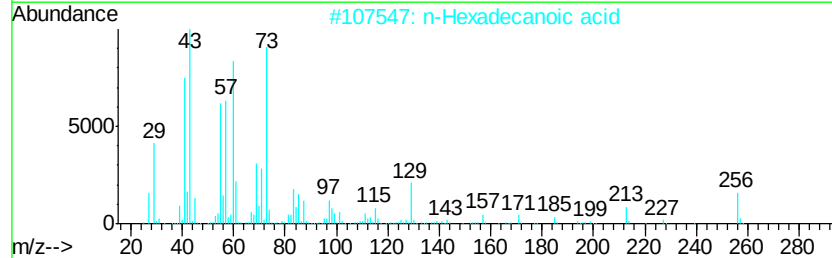
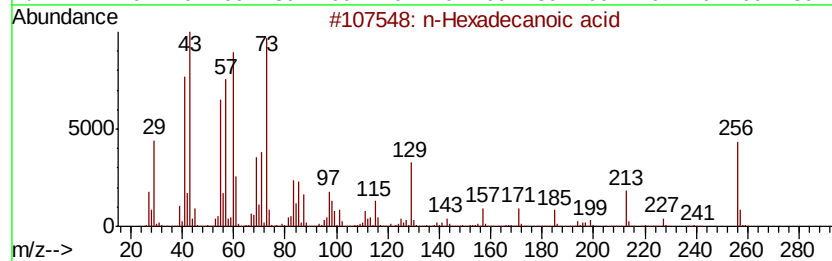
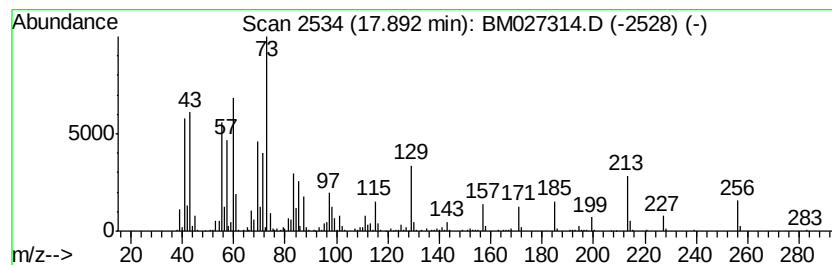
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082520MA.M  
Quant Title : SVOA CALIBRATION

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.  |      |
|---------|---------------------|--------------|------------------|-------------|-------|------|
| 17.89   | 7.87 ng/ul          | 754722       | Phenanthrene-d10 |             | 16.96 |      |
| 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-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 92    |      |
| 4       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 83    |      |
| 5       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 58    |      |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082520MA.M  
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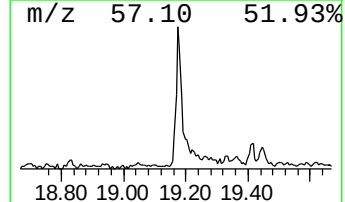
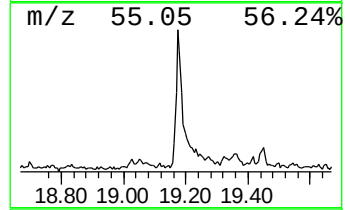
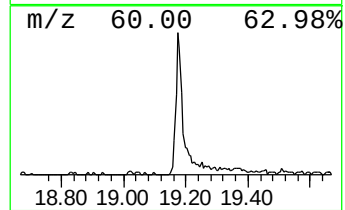
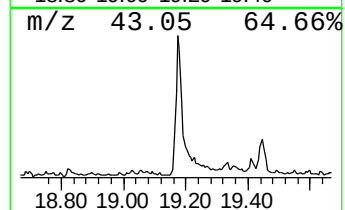
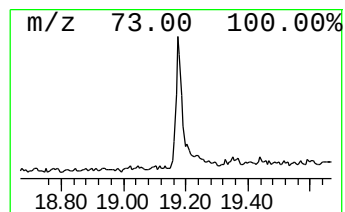
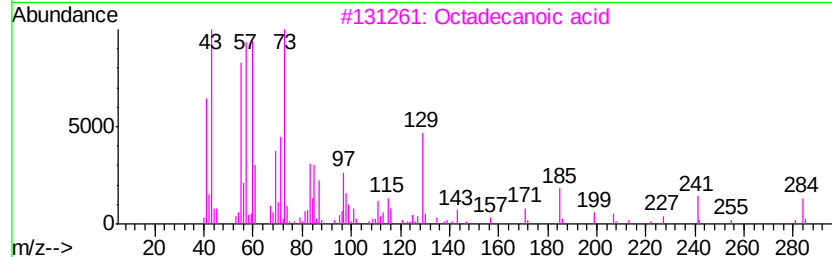
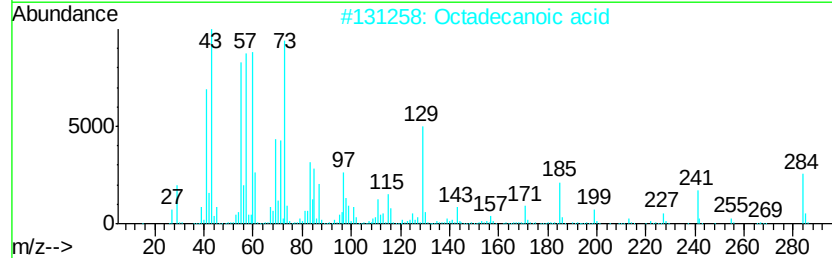
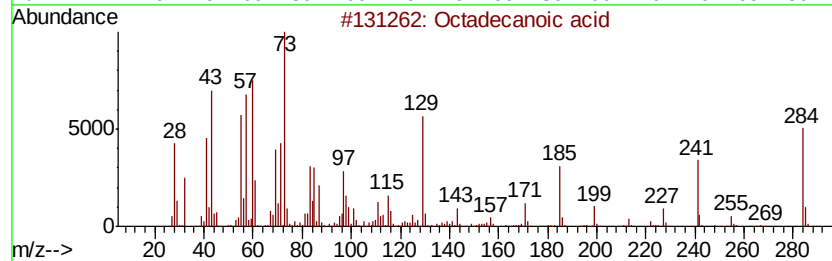
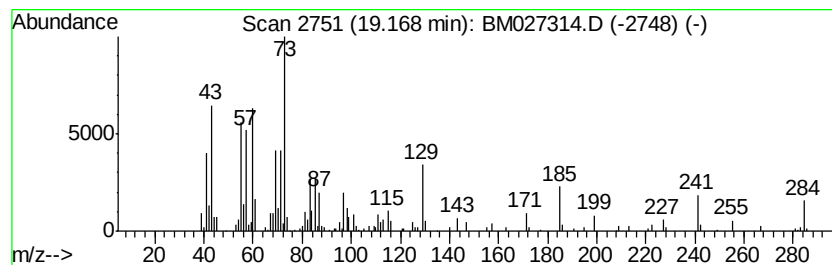
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octadecanoic acid Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.17 | 2.74 ng/ul | 293702 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 3    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 96   |
| 4    |    | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 62   |
| 5    |    | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 60   |



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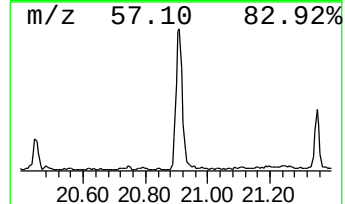
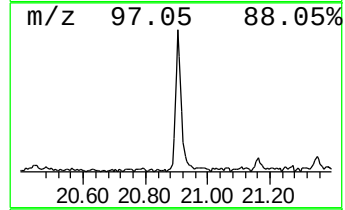
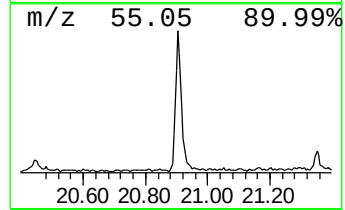
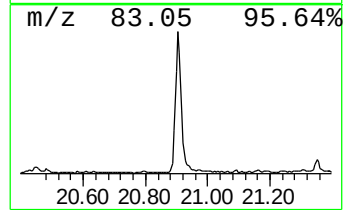
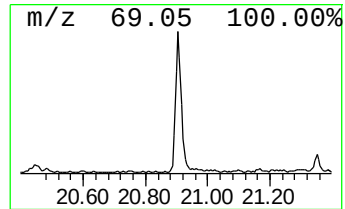
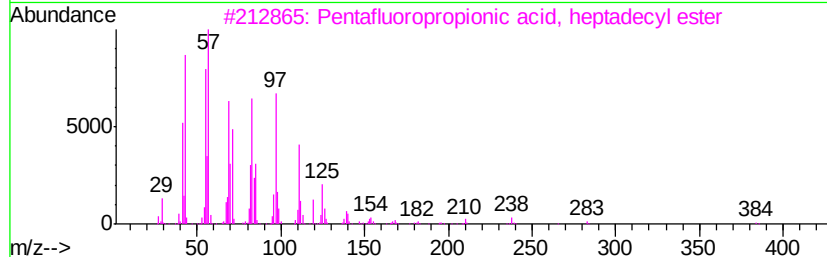
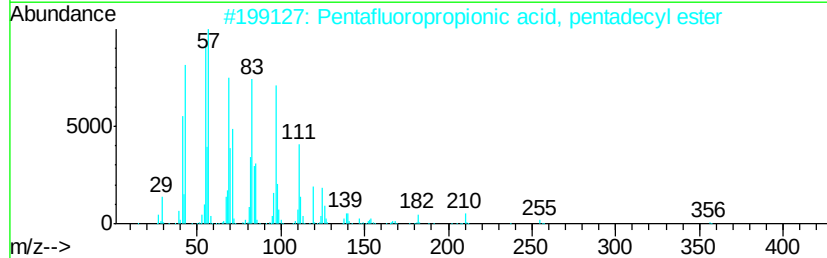
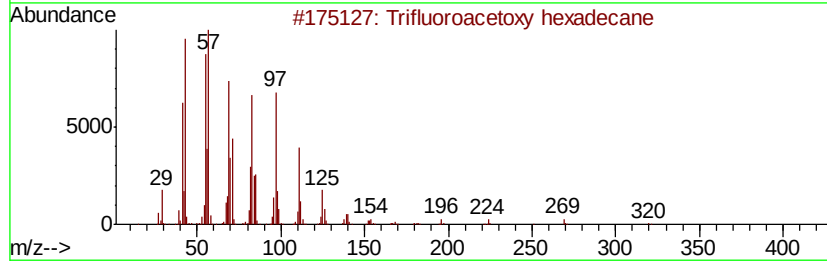
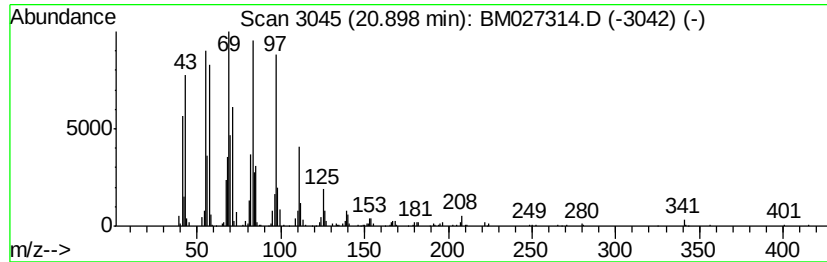
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\*\*\*\*\*  
Peak Number 3 Trifluoroacetoxy hexadecane Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.           |
|---------|------------|-------------------------------------|------------------|----------------|
| 20.90   | 4.81 ng/ul | 515203                              | Chrysene-d12     | 21.16          |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |            | Trifluoroacetoxy hexadecane         | 338 C18H33F3O2   | 006222-03-3 91 |
| 2       |            | Pentafluoropropionic acid, penta... | 374 C18H31F5O2   | 959092-08-1 83 |
| 3       |            | Pentafluoropropionic acid, hepta... | 402 C20H35F5O2   | 959218-78-1 81 |
| 4       |            | Pentafluoropropionic acid, hexad... | 388 C19H33F5O2   | 006222-07-7 81 |
| 5       |            | 1-Eicosanol                         | 298 C20H42O      | 000629-96-9 81 |



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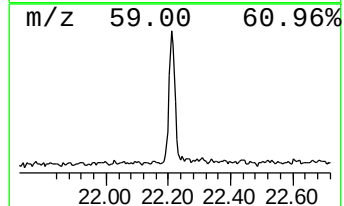
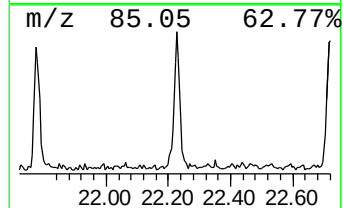
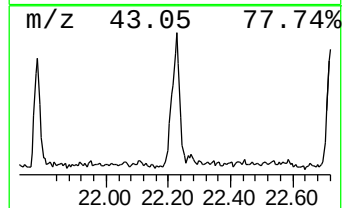
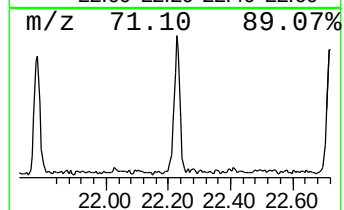
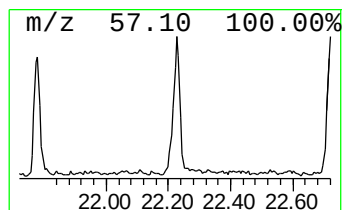
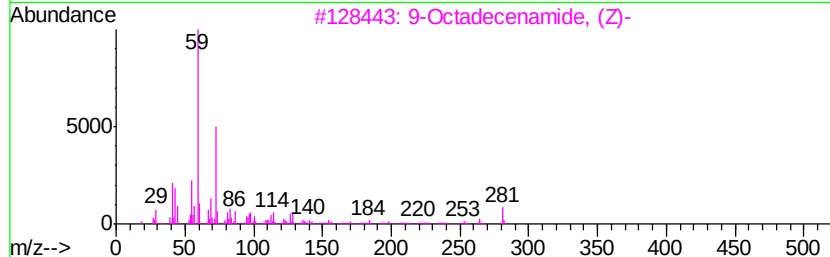
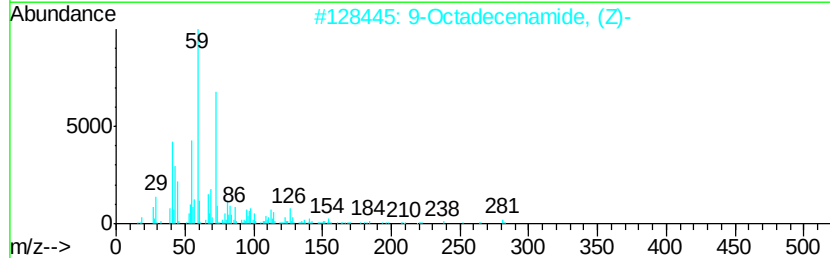
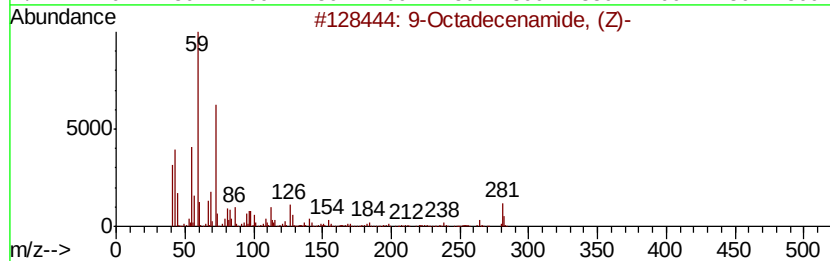
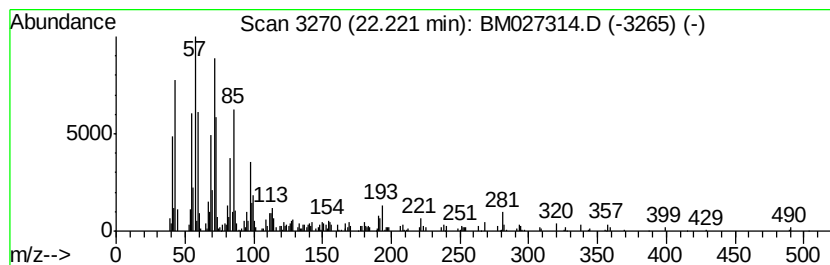
Instrument :  
BNA\_M  
ClientSampleId :  
C0AE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082520MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 9-Octadecenamide, (Z)- Concentration Rank 4

| R.T.    | EstConc                | Area         | Relative to ISTD | R.T.      |
|---------|------------------------|--------------|------------------|-----------|
| 22.22   | 2.36 ng/ul             | 253094       | Chrysene-d12     | 21.16     |
| Hit# of | 5                      | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 9-Octadecenamide, (Z)- | 281 C18H35NO | 000301-02-0      | 93        |
| 2       | 9-Octadecenamide, (Z)- | 281 C18H35NO | 000301-02-0      | 74        |
| 3       | 9-Octadecenamide, (Z)- | 281 C18H35NO | 000301-02-0      | 62        |
| 4       | Tetradecanamide        | 227 C14H29NO | 000638-58-4      | 47        |
| 5       | 3-Dodecanone           | 184 C12H24O  | 001534-27-6      | 30        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM090320\  
Data File : BM027314.D  
Acq On : 03 Sep 2020 13:12  
Operator : JU/CG  
Sample : L3840-09  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082520MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name      | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|-----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                       |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid   | 17.89 | 7.9     | ng/ul | 754722   | 4                     | 16.96 | 1918350 | 20.0 |
| Octadecanoic acid     | 19.17 | 2.7     | ng/ul | 293702   | 5                     | 21.16 | 2140840 | 20.0 |
| Trifluoroacetoxy ...  | 20.90 | 4.8     | ng/ul | 515203   | 5                     | 21.16 | 2140840 | 20.0 |
| 9-Octadecenamide, ... | 22.22 | 2.4     | ng/ul | 253094   | 5                     | 21.16 | 2140840 | 20.0 |