

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050716\  
 Data File : BM005334.D  
 Acq On : 08 May 2016 06:42  
 Operator : UM/SJ  
 Sample : H2772-04  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BD3E0

## 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\SOM02.2-EPA-BM050516.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         | 6.940       | 717           | 723         | 734          | rBV      | 351933         | 570301        | 18.69%          | 1.917%        |
| 2         | 7.104       | 746           | 751         | 763          | rVB      | 284720         | 441888        | 14.48%          | 1.486%        |
| 3         | 7.304       | 779           | 785         | 796          | rBV      | 349520         | 568150        | 18.62%          | 1.910%        |
| 4         | 7.769       | 857           | 864         | 873          | rBV      | 302943         | 485121        | 15.90%          | 1.631%        |
| 5         | 8.475       | 978           | 984         | 994          | rBV      | 466055         | 761394        | 24.96%          | 2.560%        |
| 6         | 8.928       | 1054          | 1061        | 1075         | rBV      | 352127         | 593194        | 19.44%          | 1.994%        |
| 7         | 9.645       | 1177          | 1183        | 1192         | rBV      | 309140         | 517765        | 16.97%          | 1.741%        |
| 8         | 10.180      | 1268          | 1274        | 1291         | rVB      | 470793         | 805778        | 26.41%          | 2.709%        |
| 9         | 10.557      | 1331          | 1338        | 1350         | rBV      | 471612         | 805675        | 26.41%          | 2.709%        |
| 10        | 10.698      | 1355          | 1362        | 1386         | rVV      | 435775         | 803904        | 26.35%          | 2.703%        |
| 11        | 13.821      | 1886          | 1893        | 1897         | rBV      | 972771         | 1410843       | 46.24%          | 4.743%        |
| 12        | 13.863      | 1897          | 1900        | 1908         | rVB      | 238626         | 325427        | 10.67%          | 1.094%        |
| 13        | 14.104      | 1934          | 1941        | 1958         | rBV      | 1065456        | 1630539       | 53.45%          | 5.482%        |
| 14        | 14.304      | 1969          | 1975        | 1980         | rVB      | 27796          | 34976         | 1.15%           | 0.118%        |
| 15        | 14.410      | 1987          | 1993        | 2002         | rVB2     | 760673         | 1182830       | 38.77%          | 3.977%        |
| 16        | 14.621      | 2023          | 2029        | 2046         | rBV      | 357501         | 600095        | 19.67%          | 2.018%        |
| 17        | 15.257      | 2132          | 2137        | 2142         | rVB      | 49381          | 60383         | 1.98%           | 0.203%        |
| 18        | 15.404      | 2156          | 2162        | 2173         | rVB      | 1396248        | 2125774       | 69.68%          | 7.147%        |
| 19        | 15.533      | 2178          | 2184        | 2196         | rVB      | 447085         | 644378        | 21.12%          | 2.166%        |
| 20        | 15.645      | 2198          | 2203        | 2210         | rBV2     | 25577          | 48579         | 1.59%           | 0.163%        |
| 21        | 16.115      | 2278          | 2283        | 2294         | rBV      | 57385          | 99708         | 3.27%           | 0.335%        |
| 22        | 16.909      | 2414          | 2418        | 2422         | rBV      | 32685          | 39824         | 1.31%           | 0.134%        |
| 23        | 17.157      | 2454          | 2460        | 2467         | rBV2     | 1013193        | 1511421       | 49.54%          | 5.082%        |
| 24        | 17.256      | 2471          | 2477        | 2486         | rVB2     | 1638728        | 2459215       | 80.61%          | 8.268%        |
| 25        | 18.051      | 2606          | 2612        | 2622         | rBV      | 102929         | 157523        | 5.16%           | 0.530%        |
| 26        | 19.192      | 2801          | 2806        | 2812         | rBV      | 22933          | 36843         | 1.21%           | 0.124%        |
| 27        | 19.327      | 2825          | 2829        | 2843         | rBV2     | 23927          | 43423         | 1.42%           | 0.146%        |
| 28        | 19.556      | 2861          | 2868        | 2882         | rBV2     | 2123685        | 3050836       | 100.00%         | 10.257%       |
| 29        | 21.044      | 3117          | 3121        | 3141         | rBV2     | 337971         | 526660        | 17.26%          | 1.771%        |
| 30        | 21.350      | 3167          | 3173        | 3180         | rBV      | 1488372        | 1938422       | 63.54%          | 6.517%        |
| 31        | 21.944      | 3268          | 3274        | 3278         | rBV5     | 15054          | 36167         | 1.19%           | 0.122%        |
| 32        | 22.391      | 3345          | 3350        | 3356         | rBV      | 86389          | 124019        | 4.07%           | 0.417%        |
| 33        | 22.521      | 3368          | 3372        | 3377         | rVB      | 56182          | 74426         | 2.44%           | 0.250%        |
| 34        | 22.903      | 3433          | 3437        | 3442         | rVB      | 37259          | 51594         | 1.69%           | 0.173%        |

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ALS Vial : 55 Sample Multiplier: 1

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BNA\_M  
ClientSampleId :  
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## Integration Parameters: LSCINT.P

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Smoothing : OFF  
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Filtering: 5  
Min Area: 1 % of largest Peak  
Max Peaks: 100  
Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 23.480 | 3526 | 3535 | 3548 | rBV2 | 1425183 | 2855063 | 93.58% | 9.599% |
| 36 | 23.621 | 3551 | 3559 | 3570 | rVB2 | 894586  | 1740272 | 57.04% | 5.851% |
| 37 | 24.121 | 3639 | 3644 | 3653 | rVB2 | 55440   | 104240  | 3.42%  | 0.350% |
| 38 | 24.215 | 3654 | 3660 | 3671 | rBV2 | 52379   | 135435  | 4.44%  | 0.455% |
| 39 | 24.880 | 3767 | 3773 | 3790 | rVB6 | 61115   | 186521  | 6.11%  | 0.627% |
| 40 | 25.750 | 3917 | 3921 | 3929 | rVB2 | 36042   | 76941   | 2.52%  | 0.259% |
| 41 | 26.785 | 4092 | 4097 | 4106 | rVB2 | 29930   | 77722   | 2.55%  | 0.261% |

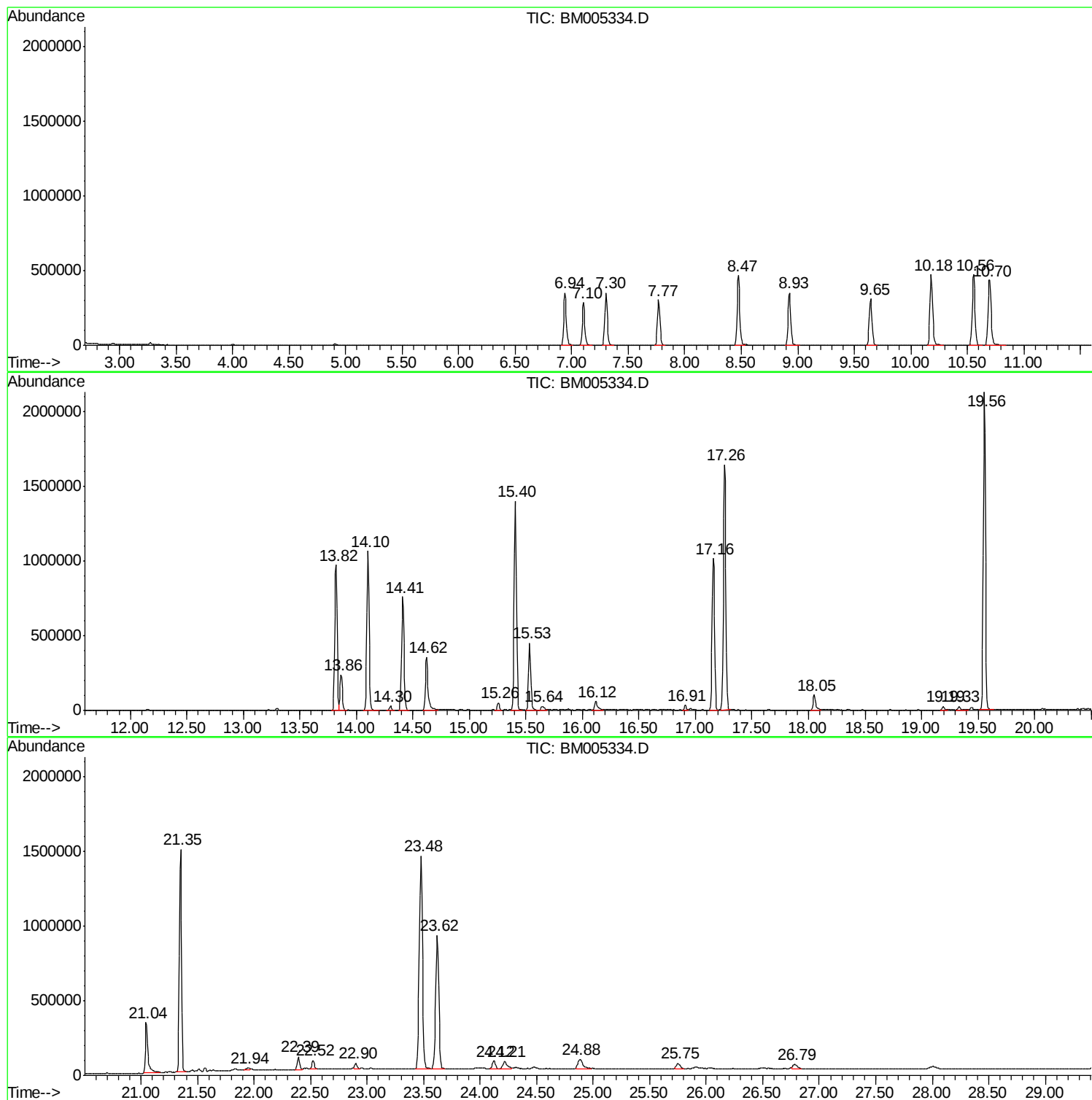
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Sample : H2772-04  
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ALS Vial : 55 Sample Multiplier: 1

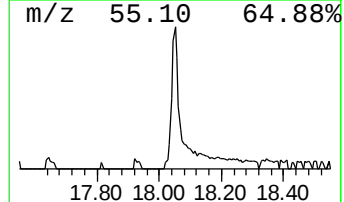
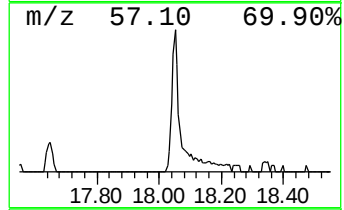
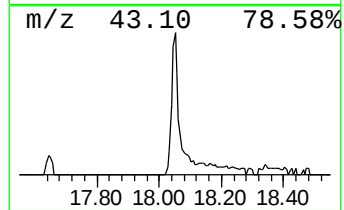
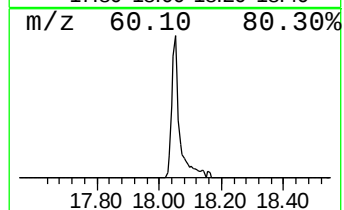
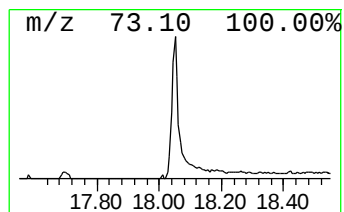
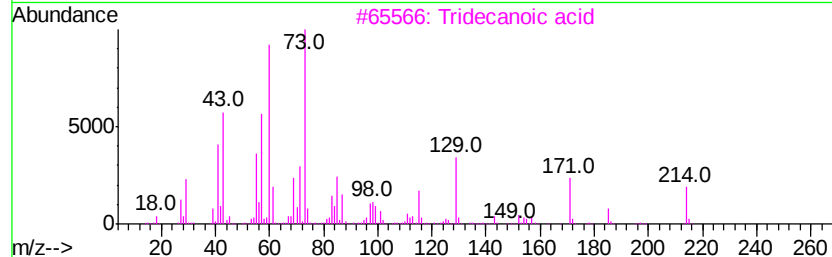
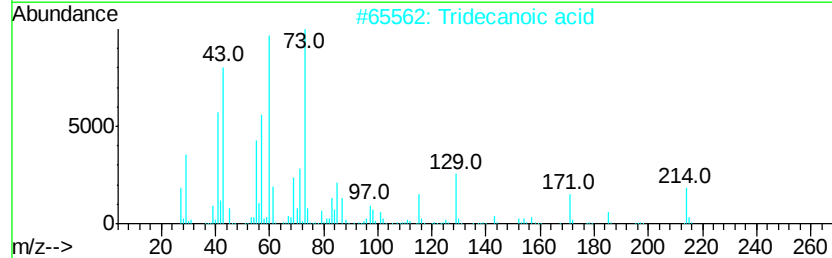
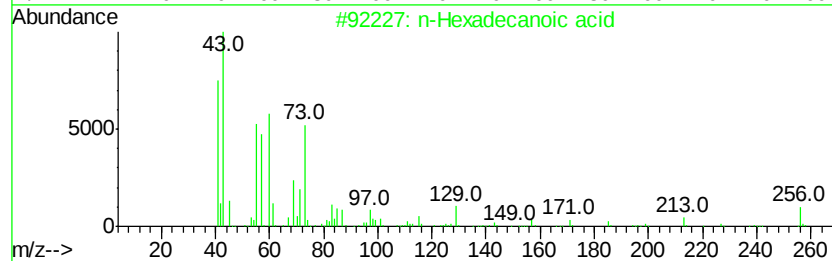
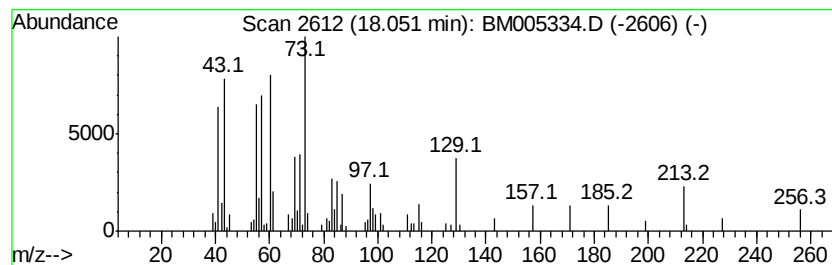
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM050516.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 3

| R.T.    | EstConc    | Area                | Relative to ISTD |          | R.T.        |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 18.05   | 2.08 ng/ul | 157523              | Phenanthrene-d10 |          | 17.16       |      |
| 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 | 91   |
| 3       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 83   |
| 4       |            | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 80   |
| 5       |            | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 64   |



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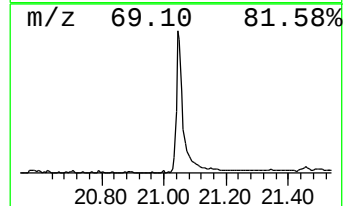
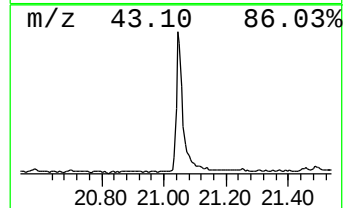
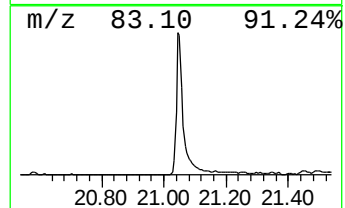
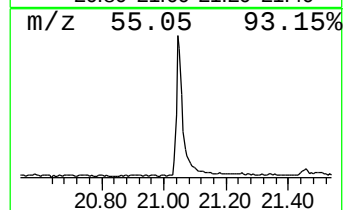
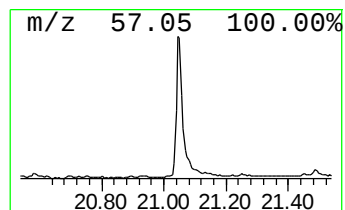
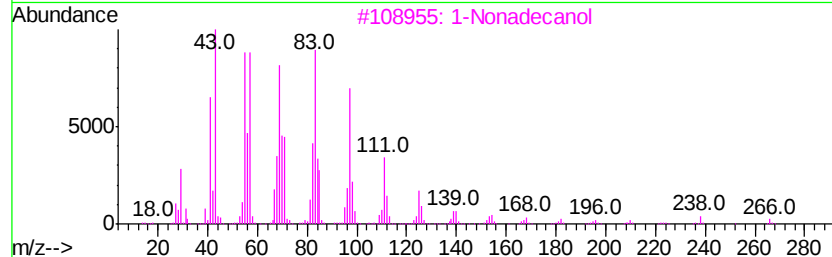
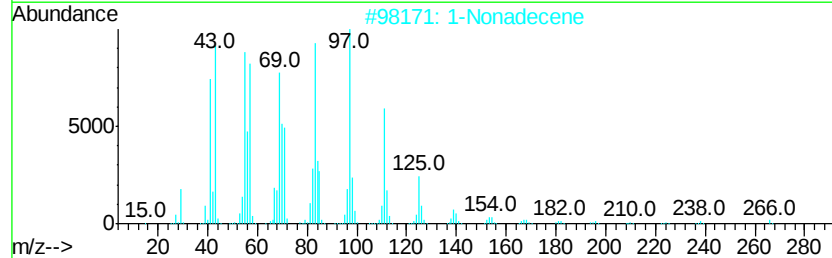
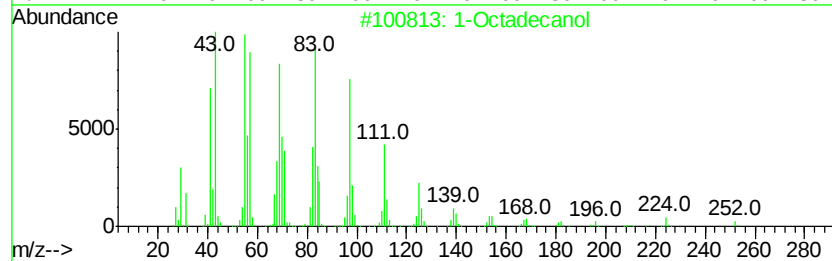
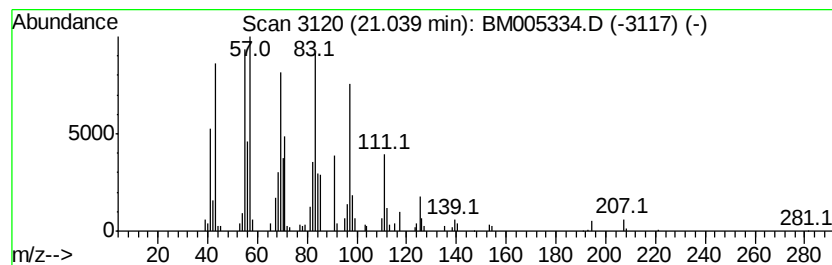
Instrument :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM050516.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 1-Octadecanol Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD                  |     | R.T.       |             |      |
|-------|------------|--------|-----------------------------------|-----|------------|-------------|------|
| 21.04 | 5.43 ng/ul | 526660 | Chrysene-d12                      |     | 21.35      |             |      |
| Hit#  | of         | 5      | Tentative ID                      | MW  | MolForm    | CAS#        | Qual |
| 1     |            |        | 1-Octadecanol                     | 270 | C18H38O    | 000112-92-5 | 91   |
| 2     |            |        | 1-Nonadecene                      | 266 | C19H38     | 018435-45-5 | 91   |
| 3     |            |        | 1-Nonadecanol                     | 284 | C19H40O    | 001454-84-8 | 91   |
| 4     |            |        | 3-Eicosene, (E)-                  | 280 | C20H40     | 074685-33-9 | 91   |
| 5     |            |        | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 91   |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM050516.M  
Quant Title : SVOA CALIBRATION

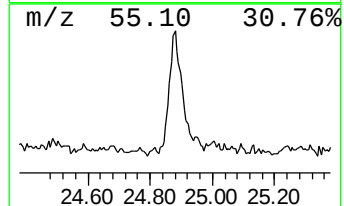
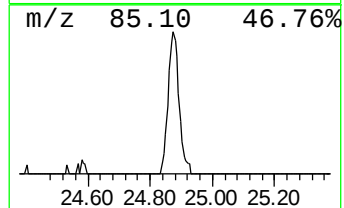
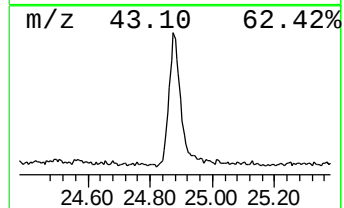
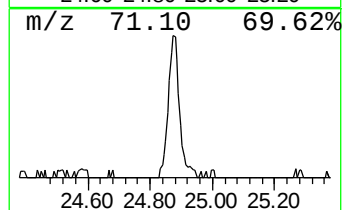
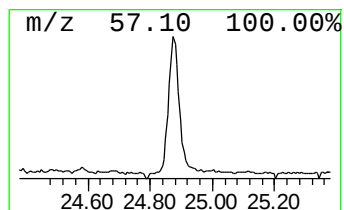
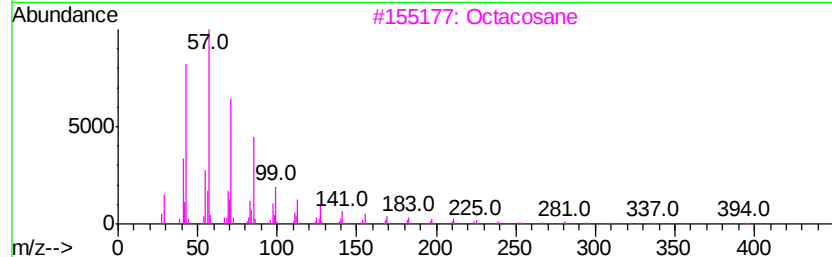
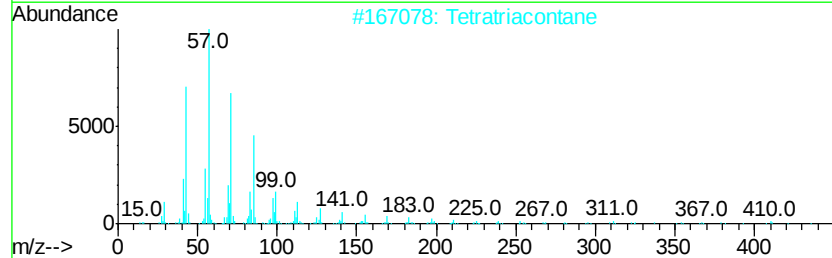
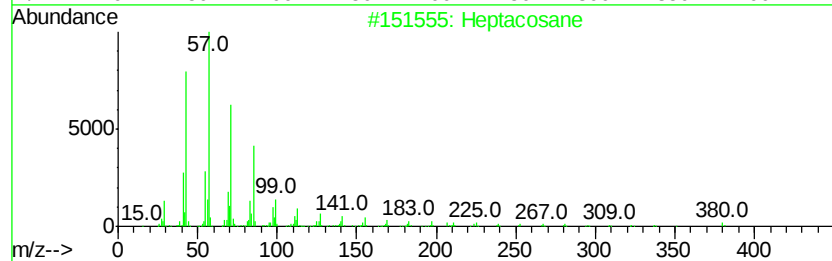
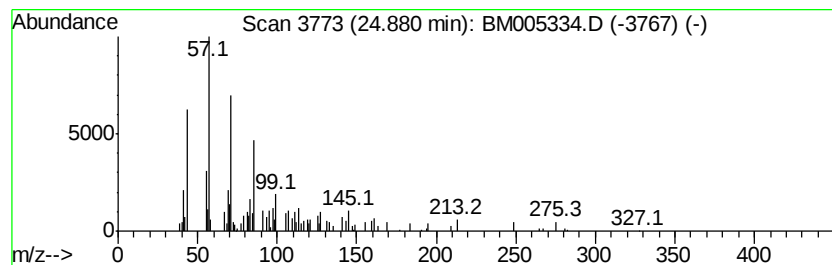
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.88 | 2.14 ng/ul | 186521 | Perylene-d12     | 23.62 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane      | 380 | C27H56  | 000593-49-7 | 81   |
| 2    |    | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 81   |
| 3    |    | Octacosane       | 394 | C28H58  | 000630-02-4 | 81   |
| 4    |    | Hexacosane       | 366 | C26H54  | 000630-01-3 | 76   |
| 5    |    | Heneicosane      | 296 | C21H44  | 000629-94-7 | 76   |



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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  | 18.05 | 2.1     | ng/ul | 157523   | 4                     | 17.16 | 1511420 | 20.0 |
| 1-Octadecanol        | 21.04 | 5.4     | ng/ul | 526660   | 5                     | 21.35 | 1938420 | 20.0 |
| (DEL) Alkane: Str... | 24.88 | 2.1     | ng/ul | 186521   | 6                     | 23.62 | 1740270 | 20.0 |