

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\  
 Data File : BM029808.D  
 Acq On : 05 May 2021 03:04  
 Operator : CG/JU  
 Sample : M2121-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BG510

## 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\SFAM-EPA-BM050421.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         | 3.081       | 30            | 33          | 44           | rVB2     | 37085          | 67076         | 1.64%           | 0.171%        |
| 2         | 3.493       | 101           | 103         | 128          | rBV      | 283868         | 627181        | 15.29%          | 1.598%        |
| 3         | 6.751       | 651           | 657         | 674          | rBV2     | 528234         | 1151161       | 28.07%          | 2.933%        |
| 4         | 6.910       | 679           | 684         | 703          | rVB      | 389740         | 707896        | 17.26%          | 1.803%        |
| 5         | 7.104       | 710           | 717         | 730          | rBV      | 575765         | 979297        | 23.88%          | 2.495%        |
| 6         | 7.569       | 789           | 796         | 807          | rBV      | 519829         | 885110        | 21.58%          | 2.255%        |
| 7         | 7.640       | 807           | 808         | 815          | rVB6     | 9852           | 13936         | 0.34%           | 0.036%        |
| 8         | 8.281       | 910           | 917         | 932          | rBV      | 607101         | 1110493       | 27.08%          | 2.829%        |
| 9         | 8.722       | 986           | 992         | 1006         | rBV      | 477782         | 876988        | 21.39%          | 2.234%        |
| 10        | 9.140       | 1058          | 1063        | 1072         | rVB3     | 11409          | 21541         | 0.53%           | 0.055%        |
| 11        | 9.440       | 1107          | 1114        | 1126         | rBV      | 377069         | 695144        | 16.95%          | 1.771%        |
| 12        | 9.975       | 1197          | 1205        | 1227         | rBV      | 559326         | 1101963       | 26.87%          | 2.807%        |
| 13        | 10.339      | 1259          | 1267        | 1278         | rBV      | 739013         | 1272192       | 31.02%          | 3.241%        |
| 14        | 10.492      | 1286          | 1293        | 1313         | rBV      | 476323         | 1088343       | 26.54%          | 2.773%        |
| 15        | 10.975      | 1374          | 1375        | 1383         | rVB6     | 2546           | 4341          | 0.11%           | 0.011%        |
| 16        | 11.904      | 1529          | 1533        | 1536         | rBV5     | 3081           | 5109          | 0.12%           | 0.013%        |
| 17        | 11.957      | 1537          | 1542        | 1552         | rVB4     | 7705           | 17796         | 0.43%           | 0.045%        |
| 18        | 12.757      | 1672          | 1678        | 1681         | rVV6     | 2464           | 4495          | 0.11%           | 0.011%        |
| 19        | 13.051      | 1723          | 1728        | 1735         | rBV5     | 10718          | 19452         | 0.47%           | 0.050%        |
| 20        | 13.122      | 1735          | 1740        | 1747         | rVB4     | 11238          | 18725         | 0.46%           | 0.048%        |
| 21        | 13.633      | 1820          | 1827        | 1832         | rBV      | 1146807        | 1649089       | 40.21%          | 4.201%        |
| 22        | 13.680      | 1832          | 1835        | 1843         | rVB      | 257022         | 360031        | 8.78%           | 0.917%        |
| 23        | 13.904      | 1864          | 1873        | 1891         | rBV      | 1435331        | 2155326       | 52.56%          | 5.491%        |
| 24        | 14.022      | 1891          | 1893        | 1899         | rVB6     | 2347           | 4244          | 0.10%           | 0.011%        |
| 25        | 14.127      | 1905          | 1911        | 1919         | rBV6     | 7938           | 13928         | 0.34%           | 0.035%        |
| 26        | 14.216      | 1919          | 1926        | 1938         | rBV      | 1125154        | 1680890       | 40.99%          | 4.282%        |
| 27        | 14.451      | 1960          | 1966        | 1981         | rBV      | 118140         | 391481        | 9.55%           | 0.997%        |
| 28        | 14.663      | 1998          | 2002        | 2012         | rVB9     | 10556          | 23994         | 0.59%           | 0.061%        |
| 29        | 14.774      | 2016          | 2021        | 2023         | rBV3     | 6463           | 11612         | 0.28%           | 0.030%        |
| 30        | 14.851      | 2032          | 2034        | 2039         | rVB2     | 9928           | 12956         | 0.32%           | 0.033%        |
| 31        | 15.080      | 2070          | 2073        | 2076         | rBV3     | 5100           | 5085          | 0.12%           | 0.013%        |
| 32        | 15.210      | 2089          | 2095        | 2113         | rBV      | 1748048        | 2524371       | 61.56%          | 6.431%        |
| 33        | 15.345      | 2113          | 2118        | 2132         | rVV      | 235557         | 397580        | 9.70%           | 1.013%        |
| 34        | 15.457      | 2132          | 2137        | 2146         | rVB      | 21166          | 43229         | 1.05%           | 0.110%        |

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 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050421.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 15.592 | 2154 | 2160 | 2165 | rVB8 | 3327    | 6670    | 0.16%   | 0.017%  |
| 36 | 15.904 | 2210 | 2213 | 2216 | rVB4 | 4138    | 4647    | 0.11%   | 0.012%  |
| 37 | 15.939 | 2218 | 2219 | 2226 | rVV6 | 3833    | 6615    | 0.16%   | 0.017%  |
| 38 | 15.998 | 2226 | 2229 | 2235 | rVB7 | 9453    | 14059   | 0.34%   | 0.036%  |
| 39 | 16.121 | 2243 | 2250 | 2253 | rBV7 | 2876    | 5955    | 0.15%   | 0.015%  |
| 40 | 16.204 | 2259 | 2264 | 2270 | rVB  | 12554   | 17600   | 0.43%   | 0.045%  |
| 41 | 16.357 | 2286 | 2290 | 2291 | rBV4 | 4806    | 5911    | 0.14%   | 0.015%  |
| 42 | 16.739 | 2344 | 2355 | 2364 | rBV4 | 7661    | 32117   | 0.78%   | 0.082%  |
| 43 | 16.957 | 2386 | 2392 | 2403 | rBV  | 1265566 | 1922326 | 46.88%  | 4.897%  |
| 44 | 17.057 | 2403 | 2409 | 2425 | rVV2 | 1770947 | 2721816 | 66.37%  | 6.934%  |
| 45 | 17.168 | 2425 | 2428 | 2435 | rVB8 | 13114   | 25080   | 0.61%   | 0.064%  |
| 46 | 17.868 | 2542 | 2547 | 2563 | rBV  | 190292  | 356007  | 8.68%   | 0.907%  |
| 47 | 18.621 | 2673 | 2675 | 2680 | rVB6 | 6135    | 6947    | 0.17%   | 0.018%  |
| 48 | 18.751 | 2695 | 2697 | 2701 | rBV5 | 4547    | 7029    | 0.17%   | 0.018%  |
| 49 | 18.998 | 2734 | 2739 | 2743 | rBV  | 19522   | 32550   | 0.79%   | 0.083%  |
| 50 | 19.157 | 2762 | 2766 | 2775 | rBV2 | 94135   | 159465  | 3.89%   | 0.406%  |
| 51 | 19.245 | 2778 | 2781 | 2786 | rVB  | 19661   | 28528   | 0.70%   | 0.073%  |
| 52 | 19.357 | 2794 | 2800 | 2809 | rBV  | 2460202 | 3296791 | 80.39%  | 8.398%  |
| 53 | 20.874 | 3053 | 3058 | 3068 | rBV2 | 240758  | 461961  | 11.27%  | 1.177%  |
| 54 | 21.145 | 3099 | 3104 | 3113 | rBV  | 1792701 | 2423853 | 59.11%  | 6.175%  |
| 55 | 21.727 | 3201 | 3203 | 3207 | rBV2 | 51069   | 58345   | 1.42%   | 0.149%  |
| 56 | 22.174 | 3276 | 3279 | 3285 | rVB  | 96408   | 116611  | 2.84%   | 0.297%  |
| 57 | 22.662 | 3358 | 3362 | 3367 | rVB  | 132567  | 185308  | 4.52%   | 0.472%  |
| 58 | 23.168 | 3441 | 3448 | 3462 | rVB  | 2142495 | 4100841 | 100.00% | 10.447% |
| 59 | 23.303 | 3465 | 3471 | 3488 | rVB2 | 1383796 | 2705644 | 65.98%  | 6.893%  |
| 60 | 23.821 | 3555 | 3559 | 3565 | rVB  | 180853  | 310952  | 7.58%   | 0.792%  |
| 61 | 24.527 | 3676 | 3679 | 3688 | rVB2 | 158738  | 298961  | 7.29%   | 0.762%  |

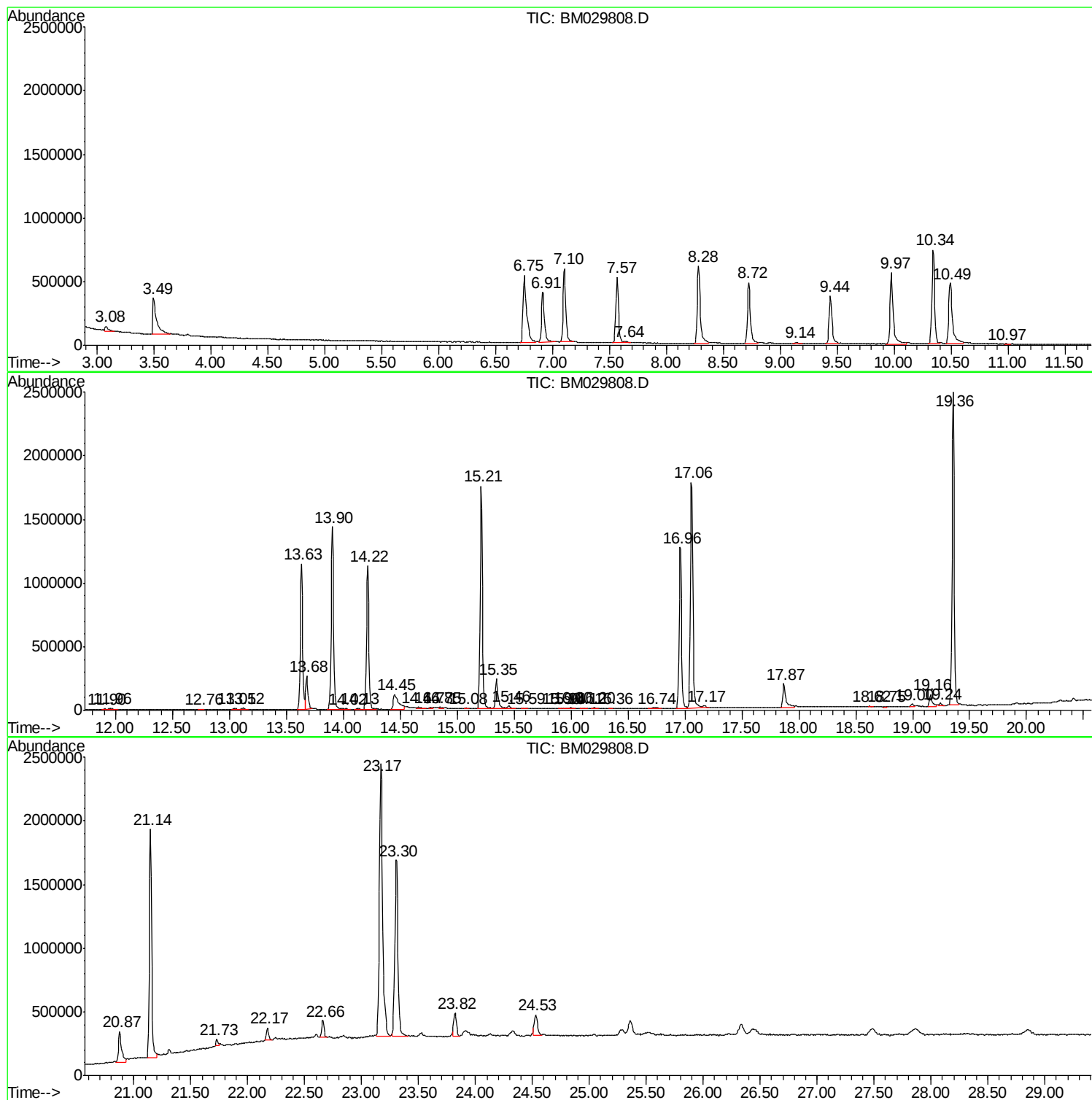
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050421.M  
Quant Title : SVOA CALIBRATION

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



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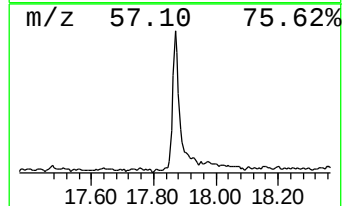
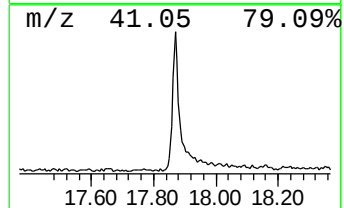
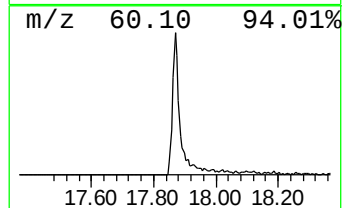
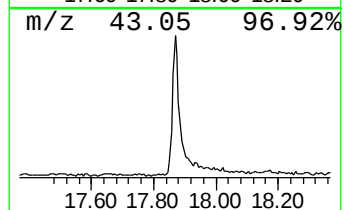
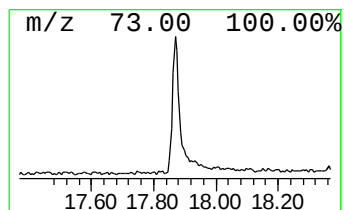
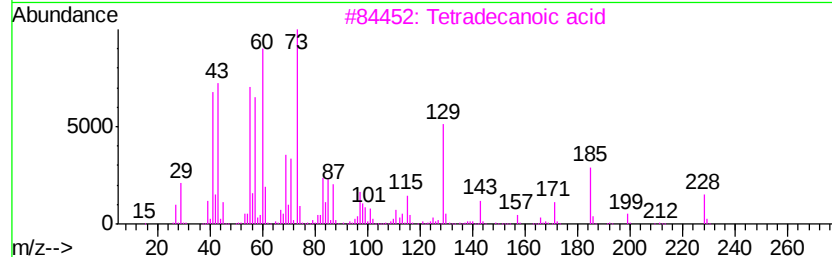
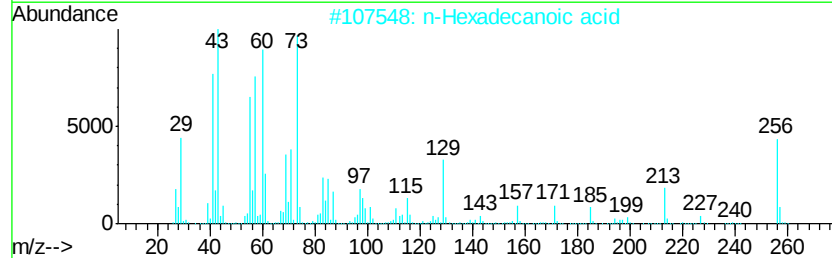
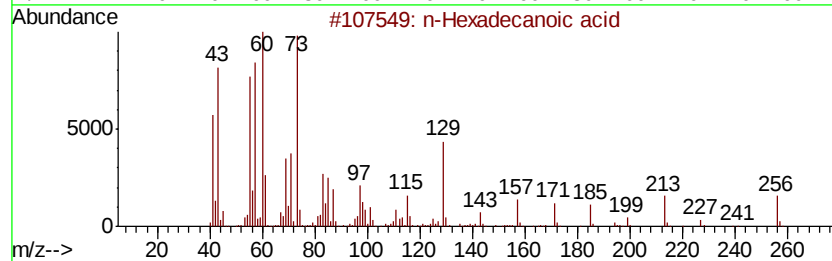
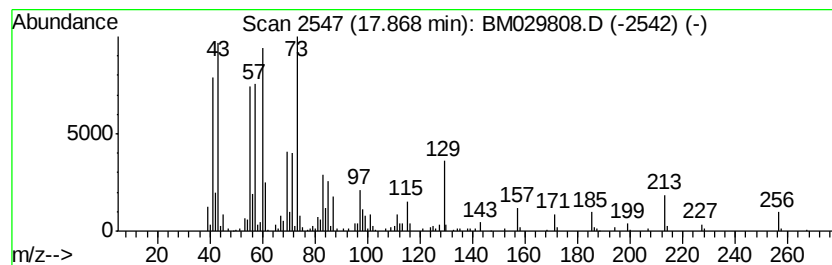
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050421.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.    | EstConc             | Area         | Relative to ISTD |             | R.T.  |      |
|---------|---------------------|--------------|------------------|-------------|-------|------|
| 17.87   | 3.70 ng/ul          | 356007       | Phenanthrene-d10 |             | 16.96 |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm     | CAS#  | Qual |
| 1       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 99    |      |
| 2       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 98    |      |
| 3       | Tetradecanoic acid  | 228          | C14H28O2         | 000544-63-8 | 90    |      |
| 4       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 90    |      |
| 5       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 87    |      |



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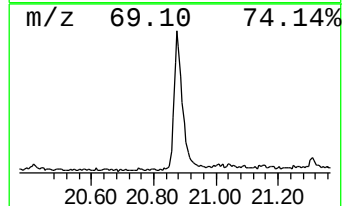
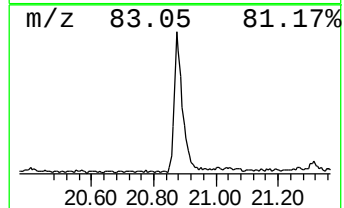
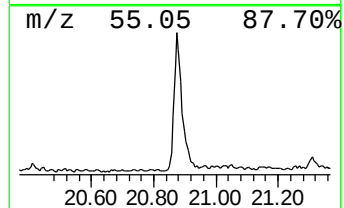
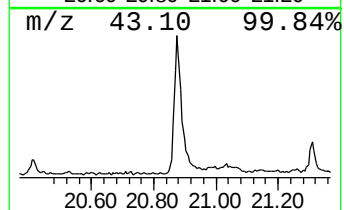
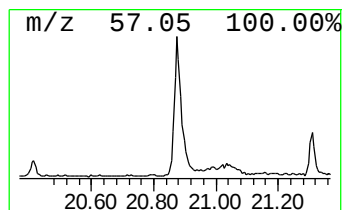
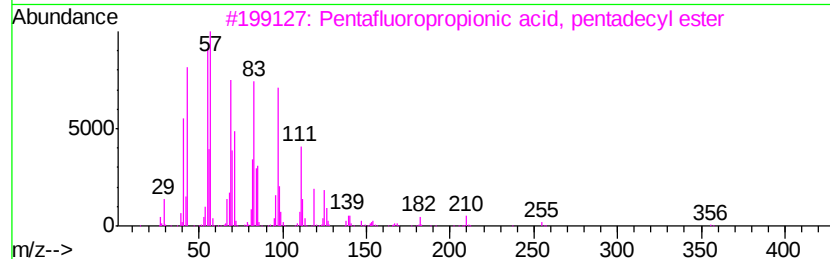
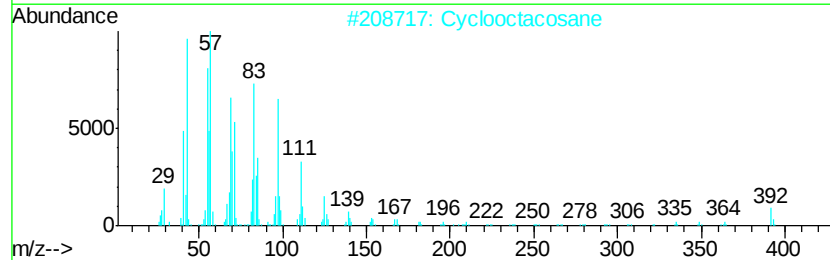
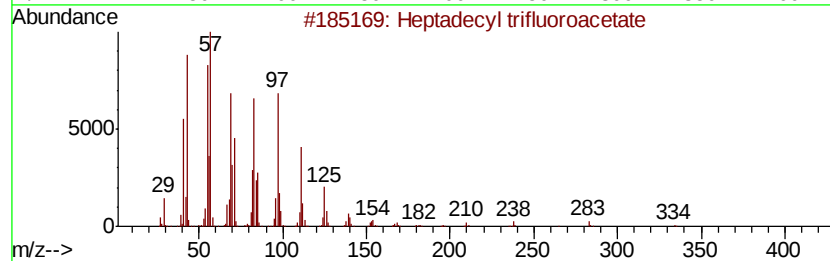
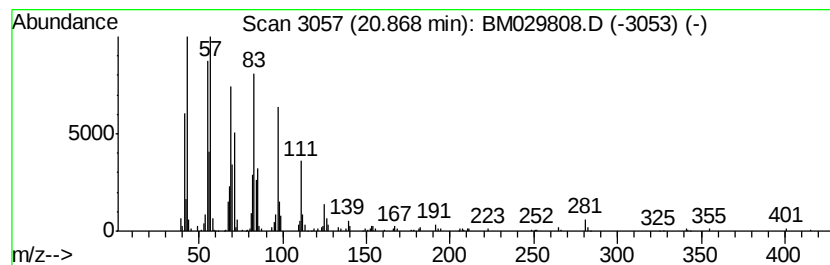
TIC Library : C:\DATABASE\NIST11.L  
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\*\*\*\*\*  
Peak Number 2 Heptadecyl trifluoroacetate Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.87 | 3.81 ng/ul | 461961 | Chrysene-d12     | 21.14 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Heptadecyl trifluoroacetate         | 352 | C19H35F3O2 | 1000351-87-0 | 94   |
| 2    |    | Cyclooctacosane                     | 392 | C28H56     | 000297-24-5  | 91   |
| 3    |    | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1  | 91   |
| 4    |    | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3  | 91   |
| 5    |    | 1-Docosene                          | 308 | C22H44     | 001599-67-3  | 91   |



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Quant Title : SVOA CALIBRATION

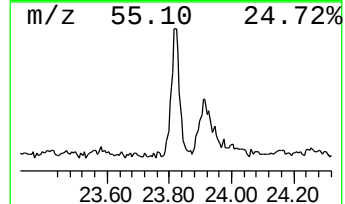
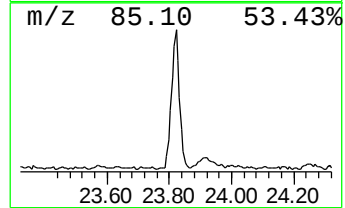
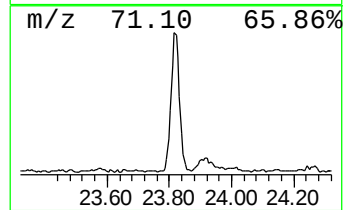
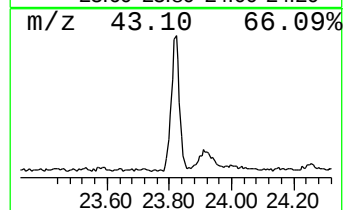
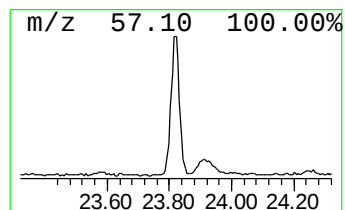
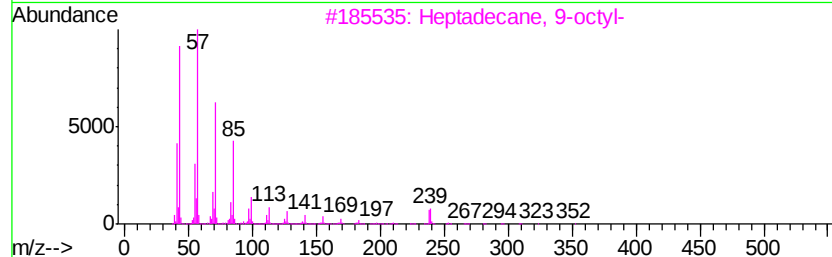
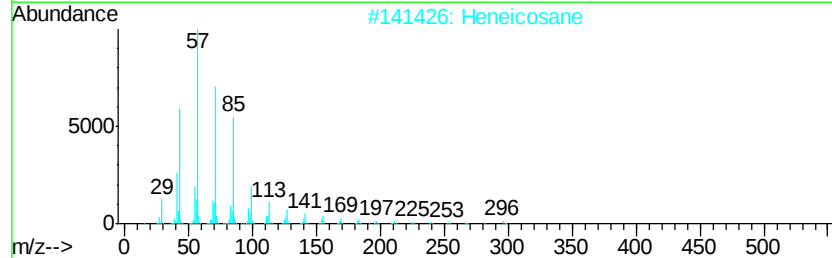
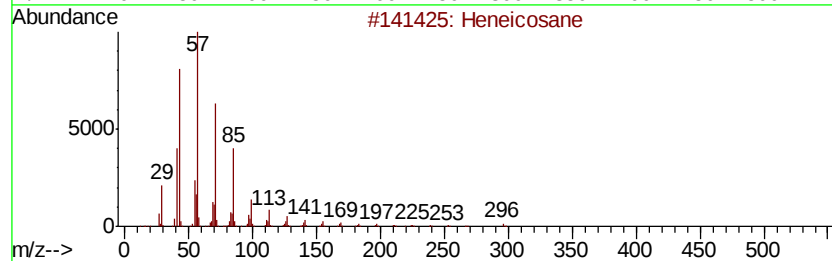
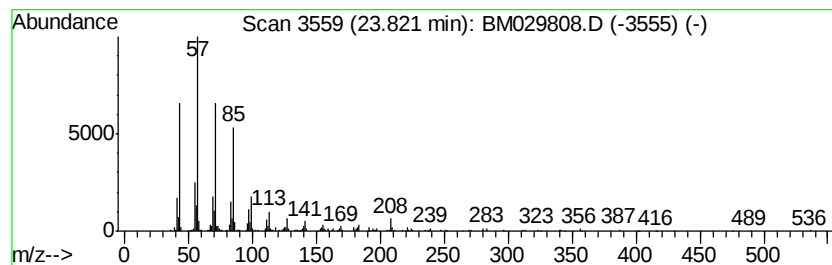
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.82 | 2.30 ng/ul | 310952 | Perylene-d12     | 23.31 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 95   |
| 2    |    | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    | Heptadecane, 9-octyl-            | 352 | C25H52  | 007225-64-1 | 87   |
| 4    |    | Tetratetracontane                | 619 | C44H90  | 007098-22-8 | 87   |
| 5    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 87   |



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Quant Title : SVOA CALIBRATION

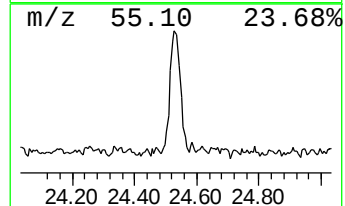
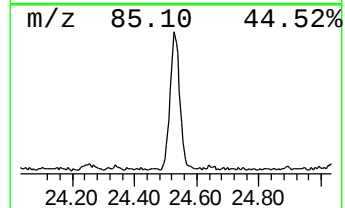
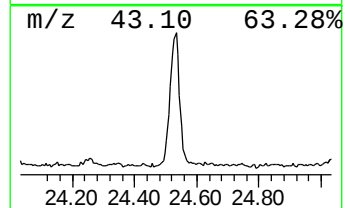
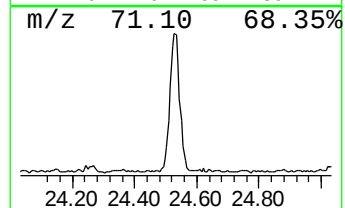
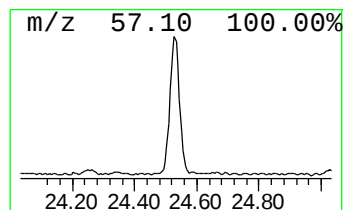
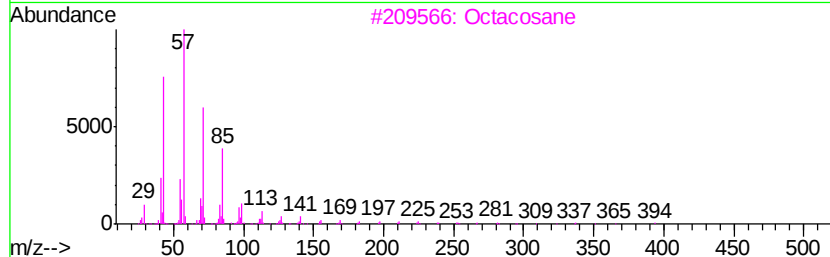
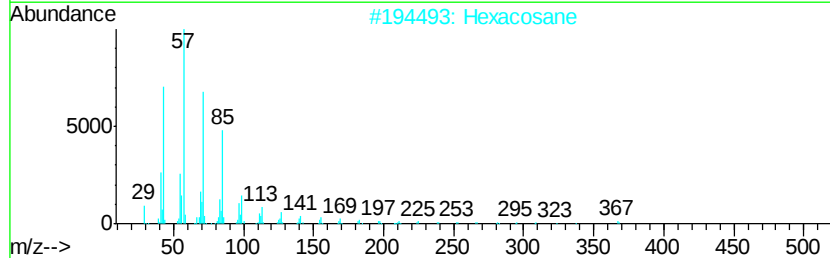
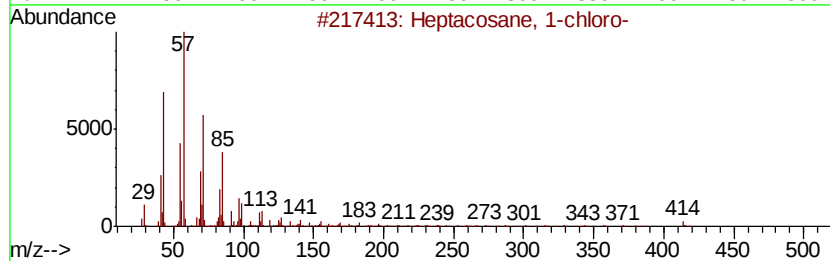
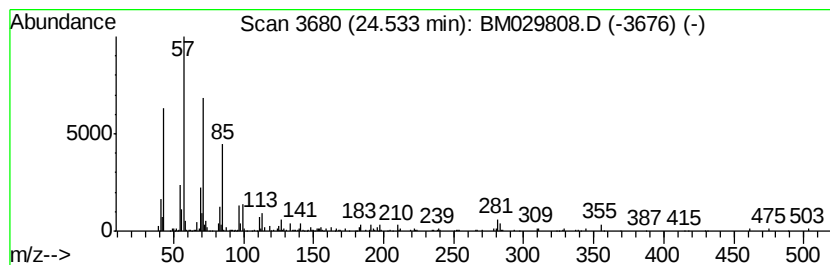
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Heptacosane, 1-chloro- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.53 | 2.21 ng/ul | 298961 | Perylene-d12     | 23.31 |

| Hit# | of | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------------|-----|----------|-------------|------|
| 1    | 5  | Heptacosane, 1-chloro-           | 414 | C27H55Cl | 062016-79-9 | 87   |
| 2    |    | Hexacosane                       | 366 | C26H54   | 000630-01-3 | 83   |
| 3    |    | Octacosane                       | 394 | C28H58   | 000630-02-4 | 83   |
| 4    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54   | 055282-11-6 | 83   |
| 5    |    | Heneicosane                      | 296 | C21H44   | 000629-94-7 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM050421\  
Data File : BM029808.D  
Acq On : 05 May 2021 03:04  
Operator : CG/JU  
Sample : M2121-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BG510

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050421.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  | 17.87 | 3.7     | ng/ul | 356007   | 4                     | 16.96 | 1922330 | 20.0 |
| Heptadecyl triflu... | 20.87 | 3.8     | ng/ul | 461961   | 5                     | 21.14 | 2423850 | 20.0 |
| (DEL) Alkane: Str... | 23.82 | 2.3     | ng/ul | 310952   | 6                     | 23.31 | 2705640 | 20.0 |
| Heptacosane, 1-ch... | 24.53 | 2.2     | ng/ul | 298961   | 6                     | 23.31 | 2705640 | 20.0 |