

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\  
 Data File : BM021650.D  
 Acq On : 25 Jul 2019 23:29  
 Operator : HP/JU  
 Sample : K3850-14  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENS1

## 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-BM072319MA.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      | 6.875    | 656        | 661      | 673       | rVB   | 216556      | 395881     | 10.52%       | 1.123%     |
| 2      | 7.046    | 686        | 690      | 701       | rVB   | 166198      | 281030     | 7.47%        | 0.797%     |
| 3      | 7.234    | 717        | 722      | 731       | rVB   | 238055      | 389247     | 10.34%       | 1.104%     |
| 4      | 7.699    | 795        | 801      | 807       | rVB   | 416360      | 658520     | 17.49%       | 1.868%     |
| 5      | 8.410    | 916        | 922      | 930       | rVB   | 232184      | 402729     | 10.70%       | 1.143%     |
| 6      | 8.863    | 993        | 999      | 1013      | rVB   | 253382      | 447057     | 11.88%       | 1.268%     |
| 7      | 9.575    | 1114       | 1120     | 1130      | rVB   | 193535      | 339868     | 9.03%        | 0.964%     |
| 8      | 10.110   | 1205       | 1211     | 1222      | rBV   | 304297      | 572473     | 15.21%       | 1.624%     |
| 9      | 10.481   | 1267       | 1274     | 1281      | rVB   | 663104      | 1096821    | 29.14%       | 3.112%     |
| 10     | 10.640   | 1294       | 1301     | 1317      | rBV   | 210108      | 439105     | 11.67%       | 1.246%     |
| 11     | 12.081   | 1541       | 1546     | 1550      | rBV4  | 5082        | 7559       | 0.20%        | 0.021%     |
| 12     | 12.934   | 1689       | 1691     | 1698      | rBV2  | 3378        | 5703       | 0.15%        | 0.016%     |
| 13     | 13.145   | 1723       | 1727     | 1730      | rBV3  | 4335        | 5038       | 0.13%        | 0.014%     |
| 14     | 13.228   | 1735       | 1741     | 1744      | rBV4  | 14160       | 21702      | 0.58%        | 0.062%     |
| 15     | 13.628   | 1805       | 1809     | 1813      | rBV4  | 2724        | 4966       | 0.13%        | 0.014%     |
| 16     | 13.763   | 1826       | 1832     | 1836      | rBV   | 673288      | 977094     | 25.96%       | 2.772%     |
| 17     | 13.810   | 1836       | 1840     | 1853      | rVB   | 266975      | 396715     | 10.54%       | 1.125%     |
| 18     | 14.034   | 1872       | 1878     | 1893      | rBV   | 827137      | 1287462    | 34.20%       | 3.652%     |
| 19     | 14.228   | 1907       | 1911     | 1918      | rBV4  | 6397        | 9602       | 0.26%        | 0.027%     |
| 20     | 14.345   | 1924       | 1931     | 1938      | rBV   | 1228929     | 1811265    | 48.12%       | 5.138%     |
| 21     | 14.410   | 1938       | 1942     | 1945      | rVB4  | 4674        | 8155       | 0.22%        | 0.023%     |
| 22     | 14.592   | 1965       | 1973     | 1984      | rBV2  | 69542       | 182286     | 4.84%        | 0.517%     |
| 23     | 14.792   | 2000       | 2007     | 2013      | rVB5  | 12988       | 25633      | 0.68%        | 0.073%     |
| 24     | 15.104   | 2055       | 2060     | 2070      | rBV2  | 14723       | 29934      | 0.80%        | 0.085%     |
| 25     | 15.186   | 2070       | 2074     | 2078      | rBV3  | 10017       | 13491      | 0.36%        | 0.038%     |
| 26     | 15.339   | 2094       | 2100     | 2108      | rBV   | 1171880     | 1713624    | 45.52%       | 4.861%     |
| 27     | 15.398   | 2108       | 2110     | 2115      | rVV2  | 8134        | 11033      | 0.29%        | 0.031%     |
| 28     | 15.486   | 2119       | 2125     | 2133      | rBV   | 63001       | 106332     | 2.82%        | 0.302%     |
| 29     | 15.581   | 2137       | 2141     | 2147      | rVV4  | 13694       | 19811      | 0.53%        | 0.056%     |
| 30     | 15.692   | 2157       | 2160     | 2163      | rBV4  | 4775        | 5607       | 0.15%        | 0.016%     |
| 31     | 15.851   | 2182       | 2187     | 2190      | rBV5  | 3041        | 4944       | 0.13%        | 0.014%     |
| 32     | 15.969   | 2204       | 2207     | 2211      | rBV5  | 8000        | 12154      | 0.32%        | 0.034%     |
| 33     | 16.051   | 2216       | 2221     | 2222      | rBV3  | 10761       | 11952      | 0.32%        | 0.034%     |
| 34     | 16.128   | 2231       | 2234     | 2239      | rVB6  | 5232        | 6724       | 0.18%        | 0.019%     |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 16.216 | 2246 | 2249 | 2251 | rBV4 | 4116    | 4793    | 0.13%   | 0.014%  |
| 36 | 16.398 | 2276 | 2280 | 2281 | rBV4 | 4103    | 5122    | 0.14%   | 0.015%  |
| 37 | 16.675 | 2325 | 2327 | 2331 | rVB5 | 4931    | 6475    | 0.17%   | 0.018%  |
| 38 | 16.839 | 2352 | 2355 | 2358 | rBV5 | 10730   | 13433   | 0.36%   | 0.038%  |
| 39 | 16.892 | 2358 | 2364 | 2366 | rBV4 | 10852   | 17891   | 0.48%   | 0.051%  |
| 40 | 16.986 | 2379 | 2380 | 2381 | rBV  | 6333    | 4470    | 0.12%   | 0.013%  |
| 41 | 17.098 | 2393 | 2399 | 2404 | rBV2 | 1729368 | 2465362 | 65.49%  | 6.994%  |
| 42 | 17.139 | 2404 | 2406 | 2410 | rVV  | 112497  | 123118  | 3.27%   | 0.349%  |
| 43 | 17.198 | 2410 | 2416 | 2427 | rVB  | 1399150 | 2075818 | 55.15%  | 5.889%  |
| 44 | 17.516 | 2461 | 2470 | 2472 | rBV7 | 13870   | 37139   | 0.99%   | 0.105%  |
| 45 | 17.580 | 2479 | 2481 | 2483 | rBV2 | 8929    | 5763    | 0.15%   | 0.016%  |
| 46 | 17.986 | 2544 | 2550 | 2562 | rBV3 | 221505  | 452964  | 12.03%  | 1.285%  |
| 47 | 18.169 | 2576 | 2581 | 2585 | rBV3 | 45204   | 68616   | 1.82%   | 0.195%  |
| 48 | 19.157 | 2745 | 2749 | 2755 | rVB  | 276933  | 387308  | 10.29%  | 1.099%  |
| 49 | 19.274 | 2765 | 2769 | 2780 | rBV4 | 134462  | 289682  | 7.70%   | 0.822%  |
| 50 | 19.492 | 2801 | 2806 | 2821 | rBV  | 2203322 | 3251235 | 86.37%  | 9.224%  |
| 51 | 20.992 | 3058 | 3061 | 3073 | rVB2 | 380289  | 592283  | 15.73%  | 1.680%  |
| 52 | 21.286 | 3106 | 3111 | 3116 | rBV  | 2786752 | 3704619 | 98.42%  | 10.510% |
| 53 | 21.857 | 3205 | 3208 | 3211 | rBV  | 330090  | 353411  | 9.39%   | 1.003%  |
| 54 | 22.321 | 3284 | 3287 | 3292 | rVB  | 332465  | 395895  | 10.52%  | 1.123%  |
| 55 | 22.827 | 3369 | 3373 | 3376 | rBV  | 529483  | 715941  | 19.02%  | 2.031%  |
| 56 | 23.392 | 3463 | 3469 | 3475 | rBV  | 2118149 | 3735914 | 99.25%  | 10.599% |
| 57 | 23.533 | 3487 | 3493 | 3510 | rVB  | 1954160 | 3764250 | 100.00% | 10.679% |
| 58 | 24.033 | 3573 | 3578 | 3587 | rVB  | 573633  | 1076123 | 28.59%  | 3.053%  |

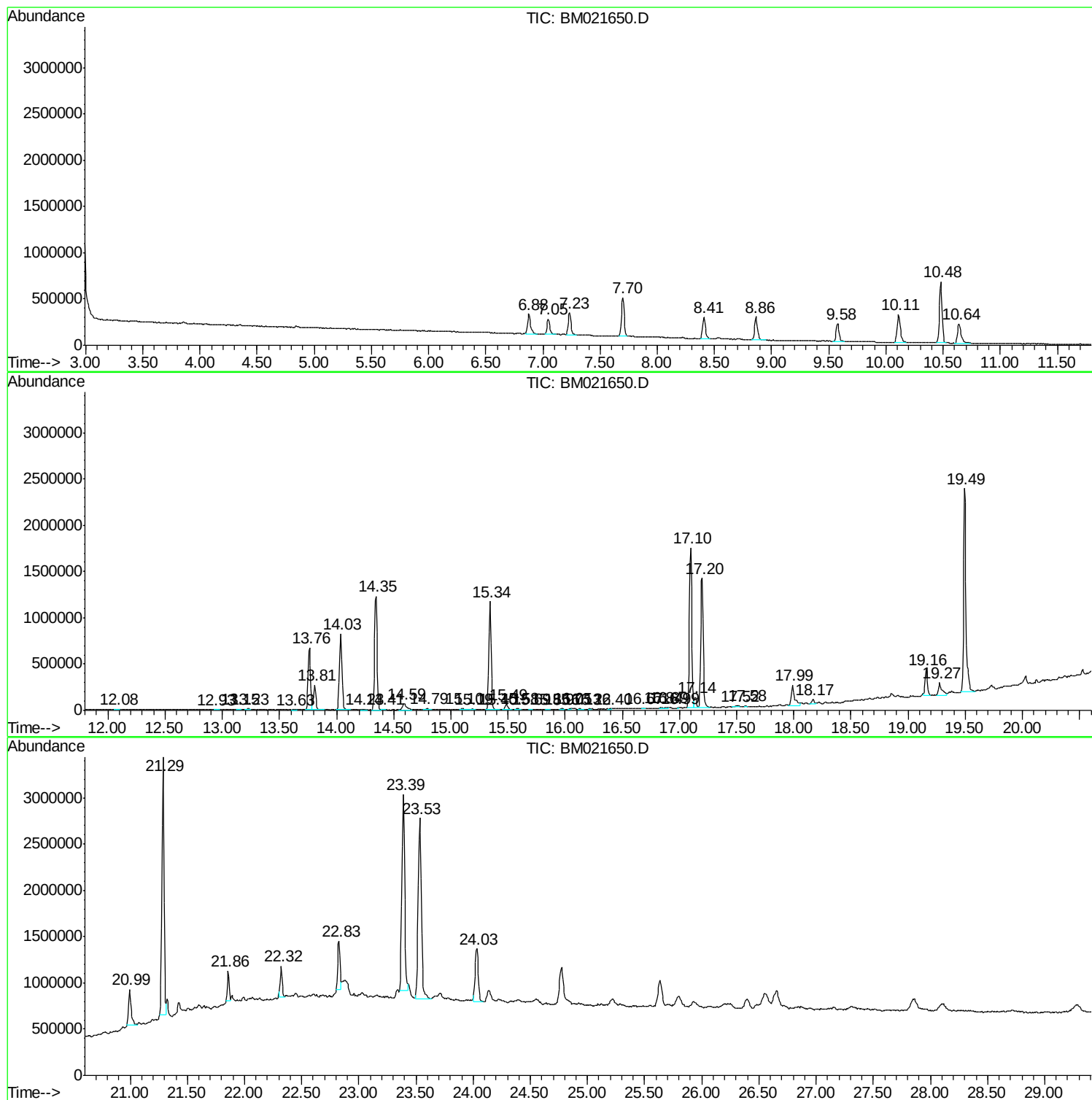
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.M  
Quant Title : SVOA CALIBRATION

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



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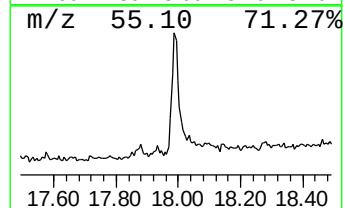
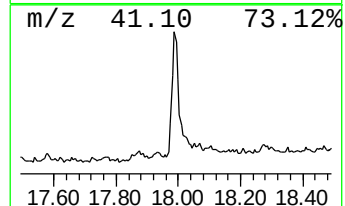
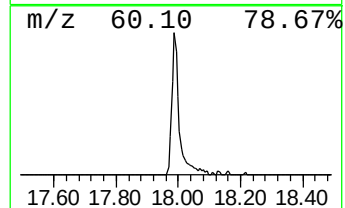
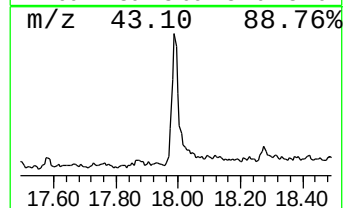
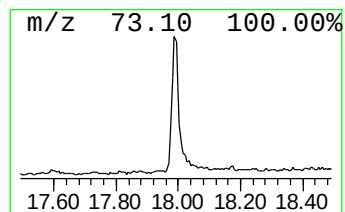
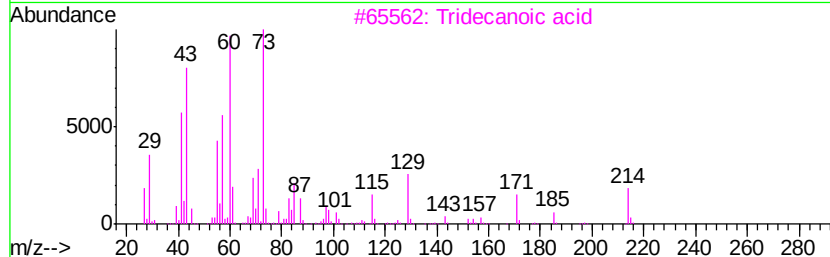
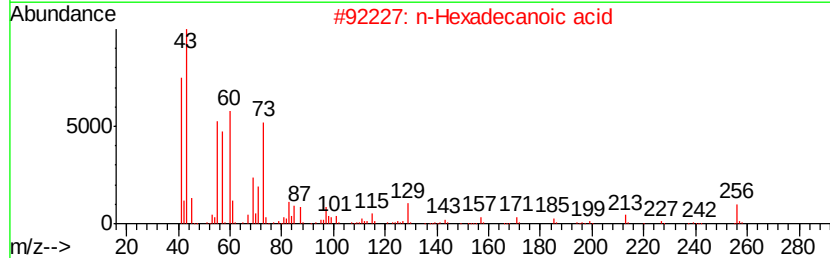
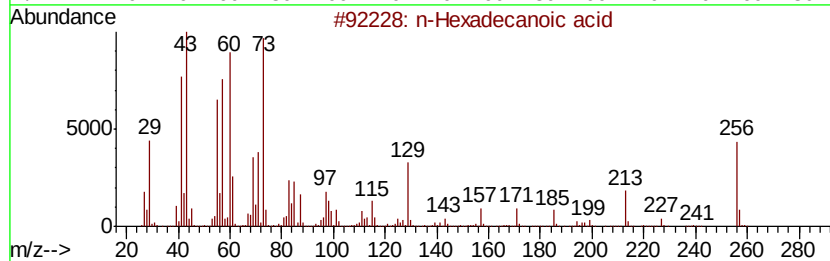
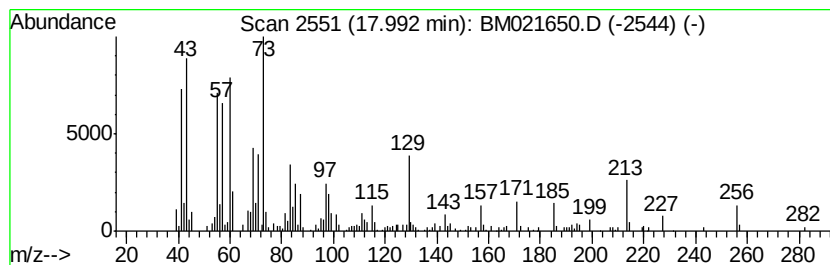
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 17.99     | 3.67 ng/ul          | 452964 | Phenanthrene-d10 |             | 17.10 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 97    |
| 2         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 96    |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 81    |
| 4         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 76    |
| 5         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 72    |



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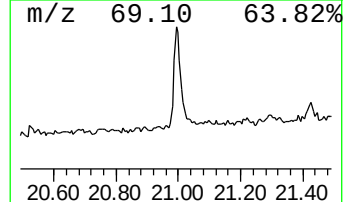
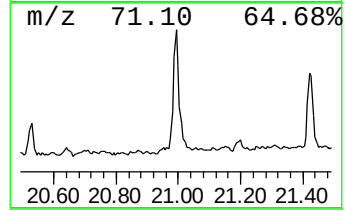
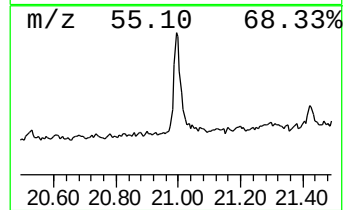
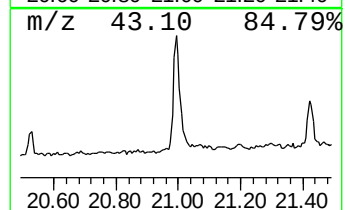
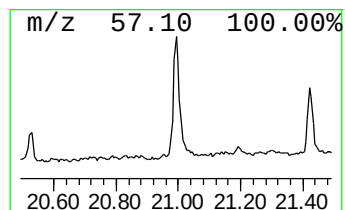
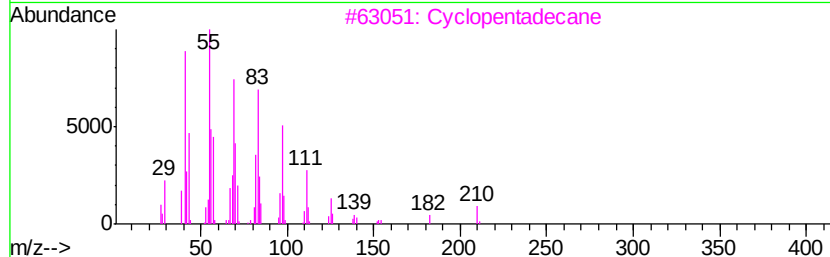
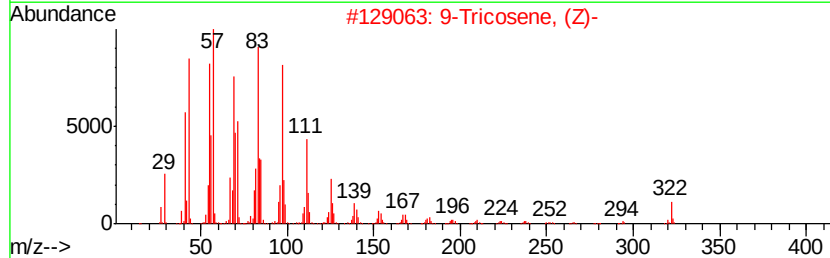
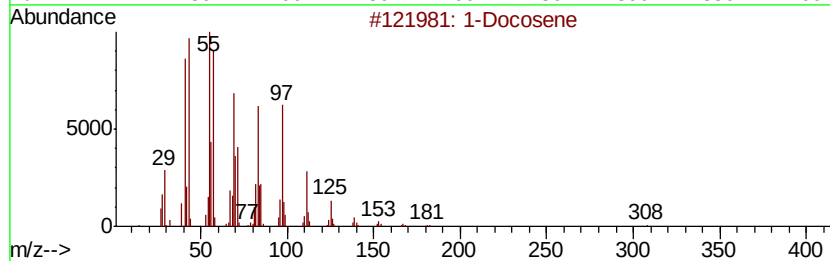
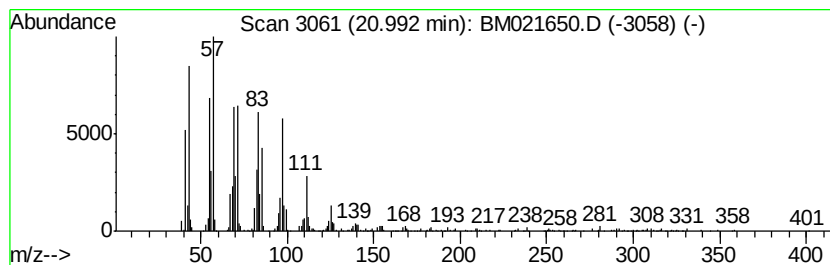
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 (DEL) Alkane: Cyclic20.99 Concentration Rank 3

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 20.99   | 3.20 ng/ul                          | 592283       | Chrysene-d12     | 21.29           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | 1-Docosene                          |              | 308 C22H44       | 001599-67-3 96  |
| 2       | 9-Tricosene, (Z)-                   |              | 322 C23H46       | 027519-02-4 96  |
| 3       | Cyclopentadecane                    |              | 210 C15H30       | 000295-48-7 91  |
| 4       | Ethanol, 2-(tetradecyloxy)-         |              | 258 C16H34O2     | 002136-70-1 87  |
| 5       | Pentafluoropropionic acid, hepta... |              | 402 C20H35F5O2   | 1000283-04-2 81 |



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Quant Title : SVOA CALIBRATION

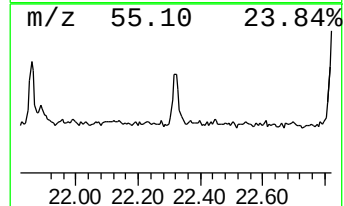
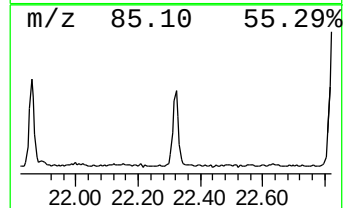
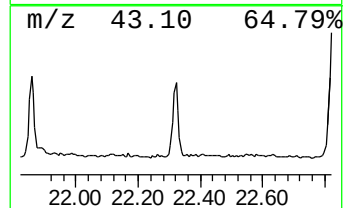
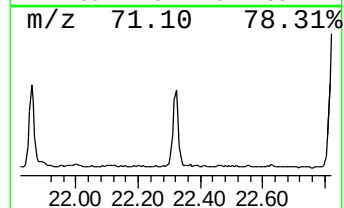
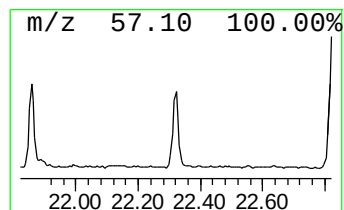
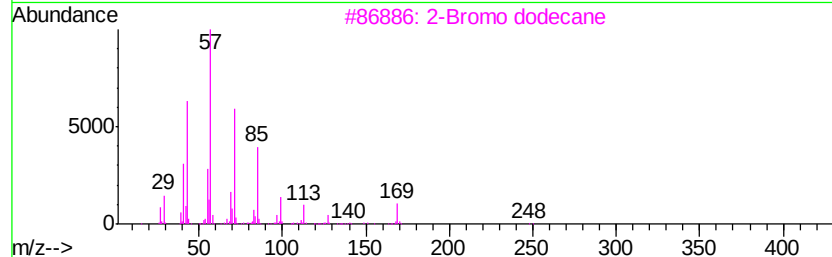
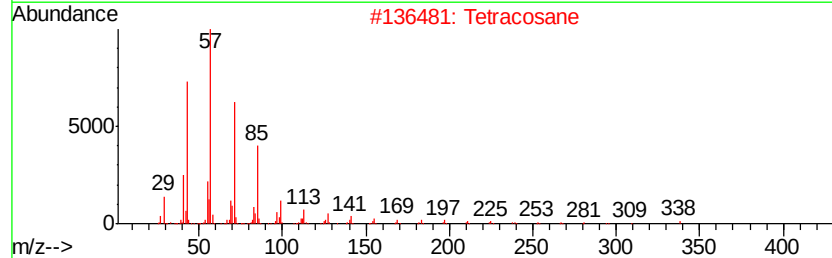
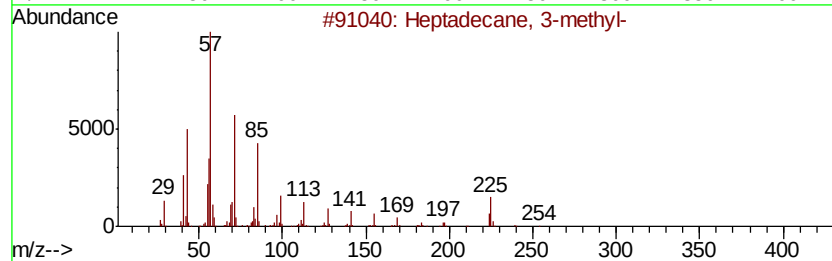
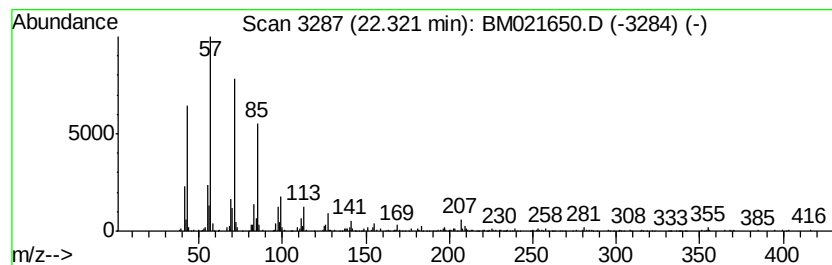
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.32 | 2.14 ng/ul | 395895 | Chrysene-d12     | 21.29 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | Heptadecane, 3-methyl- | 254 | C18H38   | 006418-44-6 | 94   |
| 2    |    | Tetracosane            | 338 | C24H50   | 000646-31-1 | 94   |
| 3    |    | 2-Bromo dodecane       | 248 | C12H25Br | 013187-99-0 | 93   |
| 4    |    | Heneicosane            | 296 | C21H44   | 000629-94-7 | 91   |
| 5    |    | Heptadecane, 9-octyl-  | 352 | C25H52   | 007225-64-1 | 91   |



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Quant Title : SVOA CALIBRATION

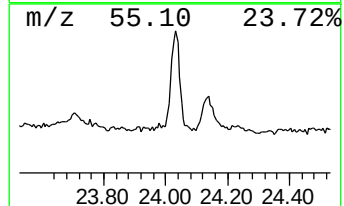
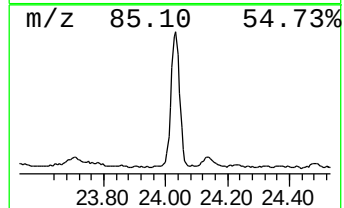
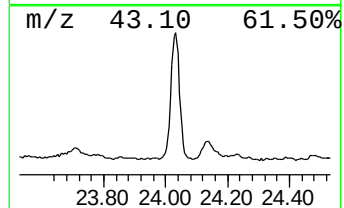
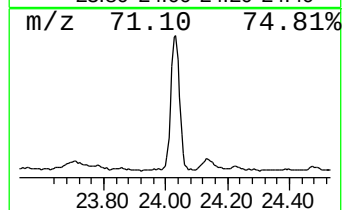
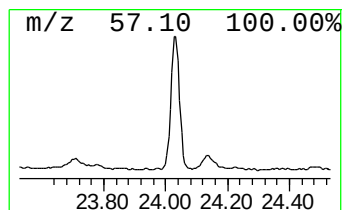
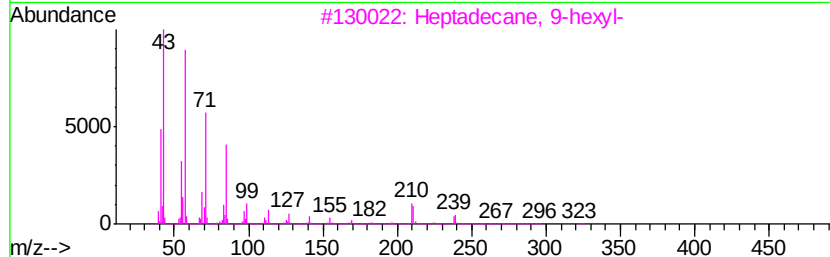
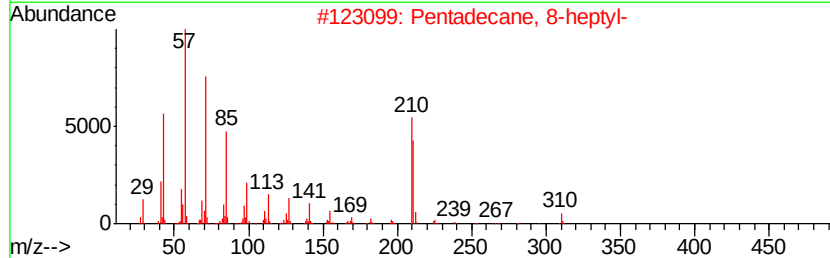
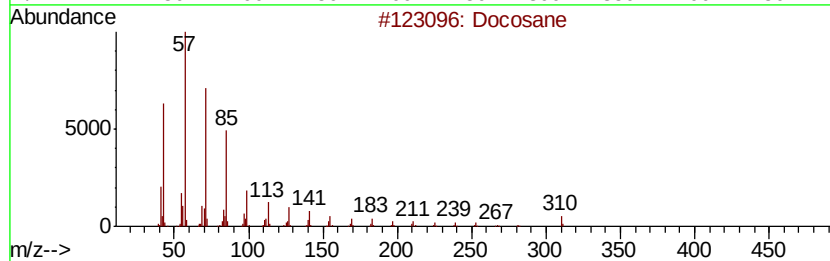
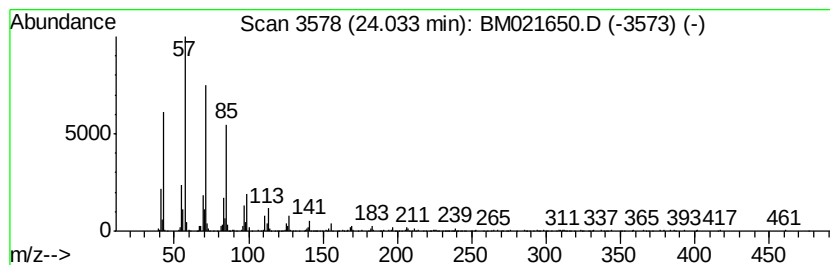
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.03 | 5.72 ng/ul | 1076120 | Perylene-d12     | 23.53 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane               | 310 | C22H46  | 000629-97-0 | 95   |
| 2    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 94   |
| 3    |    | Heptadecane, 9-hexyl-  | 324 | C23H48  | 055124-79-3 | 93   |
| 4    |    | Hexadecane             | 226 | C16H34  | 000544-76-3 | 93   |
| 5    |    | Docosane               | 310 | C22H46  | 000629-97-0 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM072519\  
Data File : BM021650.D  
Acq On : 25 Jul 2019 23:29  
Operator : HP/JU  
Sample : K3850-14  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BENS1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.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  | 17.99 | 3.7     | ng/ul | 452964   | 4                     | 17.10 | 2465360 | 20.0 |
| (DEL) Alkane: Cyc... | 20.99 | 3.2     | ng/ul | 592283   | 5                     | 21.29 | 3704620 | 20.0 |
| (DEL) Alkane: Str... | 22.32 | 2.1     | ng/ul | 395895   | 5                     | 21.29 | 3704620 | 20.0 |
| (DEL) Alkane: Str... | 24.03 | 5.7     | ng/ul | 1076120  | 6                     | 23.53 | 3764250 | 20.0 |