

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072919\  
 Data File : BM021704.D  
 Acq On : 29 Jul 2019 20:24  
 Operator : HP/JU  
 Sample : K3863-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A52F8

## 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-BM072619MA.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         | 6.857       | 652           | 658         | 669          | rVB      | 540897         | 895135        | 21.11%          | 2.162%        |
| 2         | 7.028       | 682           | 687         | 697          | rVB      | 409697         | 650442        | 15.34%          | 1.571%        |
| 3         | 7.210       | 713           | 718         | 730          | rVB      | 595701         | 966513        | 22.79%          | 2.335%        |
| 4         | 7.681       | 792           | 798         | 807          | rVB      | 581533         | 938218        | 22.12%          | 2.266%        |
| 5         | 8.387       | 912           | 918         | 930          | rVB      | 729207         | 1187155       | 27.99%          | 2.868%        |
| 6         | 8.845       | 989           | 996         | 1005         | rVB      | 587681         | 987928        | 23.30%          | 2.386%        |
| 7         | 9.557       | 1111          | 1117        | 1126         | rVB      | 491009         | 802422        | 18.92%          | 1.938%        |
| 8         | 10.086      | 1201          | 1207        | 1222         | rBV      | 757535         | 1351441       | 31.87%          | 3.264%        |
| 9         | 10.457      | 1263          | 1270        | 1278         | rBV      | 836873         | 1396859       | 32.94%          | 3.374%        |
| 10        | 10.616      | 1290          | 1297        | 1314         | rBV      | 619438         | 1222213       | 28.82%          | 2.952%        |
| 11        | 12.069      | 1539          | 1544        | 1549         | rBV2     | 9140           | 15152         | 0.36%           | 0.037%        |
| 12        | 13.745      | 1822          | 1829        | 1833         | rBV      | 1437751        | 2029423       | 47.86%          | 4.902%        |
| 13        | 13.792      | 1833          | 1837        | 1847         | rVB      | 362482         | 523494        | 12.34%          | 1.265%        |
| 14        | 14.016      | 1868          | 1875        | 1885         | rBV      | 1779397        | 2520839       | 59.44%          | 6.089%        |
| 15        | 14.327      | 1921          | 1928        | 1938         | rBV      | 1360532        | 2028396       | 47.83%          | 4.900%        |
| 16        | 14.557      | 1961          | 1967        | 1989         | rBV      | 234389         | 507709        | 11.97%          | 1.226%        |
| 17        | 14.768      | 2000          | 2003        | 2010         | rVB3     | 5130           | 7822          | 0.18%           | 0.019%        |
| 18        | 15.086      | 2053          | 2057        | 2066         | rBV      | 43337          | 62692         | 1.48%           | 0.151%        |
| 19        | 15.321      | 2091          | 2097        | 2115         | rBV2     | 2907444        | 4240670       | 100.00%         | 10.244%       |
| 20        | 15.463      | 2115          | 2121        | 2134         | rVV      | 326864         | 483452        | 11.40%          | 1.168%        |
| 21        | 15.563      | 2134          | 2138        | 2143         | rVB      | 22110          | 28419         | 0.67%           | 0.069%        |
| 22        | 15.763      | 2166          | 2172        | 2175         | rBV3     | 12691          | 18479         | 0.44%           | 0.045%        |
| 23        | 15.798      | 2175          | 2178        | 2182         | rVV      | 23296          | 34513         | 0.81%           | 0.083%        |
| 24        | 15.839      | 2182          | 2185        | 2189         | rVV      | 22593          | 31028         | 0.73%           | 0.075%        |
| 25        | 15.886      | 2191          | 2193        | 2200         | rVB5     | 3550           | 4617          | 0.11%           | 0.011%        |
| 26        | 16.027      | 2215          | 2217        | 2220         | rBV3     | 4293           | 5989          | 0.14%           | 0.014%        |
| 27        | 16.068      | 2220          | 2224        | 2228         | rVB2     | 21146          | 28236         | 0.67%           | 0.068%        |
| 28        | 16.110      | 2228          | 2231        | 2234         | rBV2     | 5632           | 6548          | 0.15%           | 0.016%        |
| 29        | 16.157      | 2234          | 2239        | 2243         | rBV      | 63733          | 86968         | 2.05%           | 0.210%        |
| 30        | 16.215      | 2243          | 2249        | 2255         | rVV2     | 91046          | 170321        | 4.02%           | 0.411%        |
| 31        | 16.280      | 2255          | 2260        | 2264         | rVV2     | 62239          | 97418         | 2.30%           | 0.235%        |
| 32        | 16.321      | 2264          | 2267        | 2271         | rVB      | 26479          | 35419         | 0.84%           | 0.086%        |
| 33        | 16.392      | 2277          | 2279        | 2283         | rVB      | 15963          | 17585         | 0.41%           | 0.042%        |
| 34        | 16.480      | 2288          | 2294        | 2300         | rBV3     | 46177          | 79872         | 1.88%           | 0.193%        |

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 16.545 | 2300 | 2305 | 2310 | rBV  | 49248   | 74072   | 1.75%  | 0.179% |
| 36 | 16.580 | 2310 | 2311 | 2314 | rVV3 | 13349   | 13205   | 0.31%  | 0.032% |
| 37 | 16.621 | 2314 | 2318 | 2324 | rVB  | 21699   | 33886   | 0.80%  | 0.082% |
| 38 | 16.668 | 2324 | 2326 | 2332 | rBV6 | 3718    | 5714    | 0.13%  | 0.014% |
| 39 | 16.827 | 2349 | 2353 | 2356 | rBV3 | 5132    | 4901    | 0.12%  | 0.012% |
| 40 | 16.868 | 2356 | 2360 | 2362 | rBV3 | 4909    | 7313    | 0.17%  | 0.018% |
| 41 | 17.080 | 2389 | 2396 | 2402 | rBV2 | 1580824 | 2284066 | 53.86% | 5.517% |
| 42 | 17.180 | 2406 | 2413 | 2424 | rVV  | 2171074 | 3156135 | 74.43% | 7.624% |
| 43 | 17.968 | 2542 | 2547 | 2559 | rBV  | 166605  | 280028  | 6.60%  | 0.676% |
| 44 | 19.109 | 2737 | 2741 | 2744 | rBV  | 22907   | 35096   | 0.83%  | 0.085% |
| 45 | 19.145 | 2744 | 2747 | 2753 | rVB  | 28020   | 39864   | 0.94%  | 0.096% |
| 46 | 19.256 | 2761 | 2766 | 2773 | rBV2 | 62669   | 102829  | 2.42%  | 0.248% |
| 47 | 19.362 | 2781 | 2784 | 2789 | rBV  | 14478   | 21237   | 0.50%  | 0.051% |
| 48 | 19.480 | 2798 | 2804 | 2817 | rBV  | 2457169 | 3367975 | 79.42% | 8.136% |
| 49 | 20.980 | 3055 | 3059 | 3067 | rBV  | 157241  | 251144  | 5.92%  | 0.607% |
| 50 | 21.268 | 3103 | 3108 | 3118 | rBV  | 1433220 | 2065451 | 48.71% | 4.989% |
| 51 | 21.839 | 3202 | 3205 | 3208 | rBV  | 114813  | 133350  | 3.14%  | 0.322% |
| 52 | 22.803 | 3364 | 3369 | 3374 | rVB  | 866380  | 1189388 | 28.05% | 2.873% |
| 53 | 23.362 | 3458 | 3464 | 3478 | rVB  | 1573468 | 2911629 | 68.66% | 7.033% |
| 54 | 23.503 | 3482 | 3488 | 3496 | rBV2 | 1029734 | 1957494 | 46.16% | 4.728% |

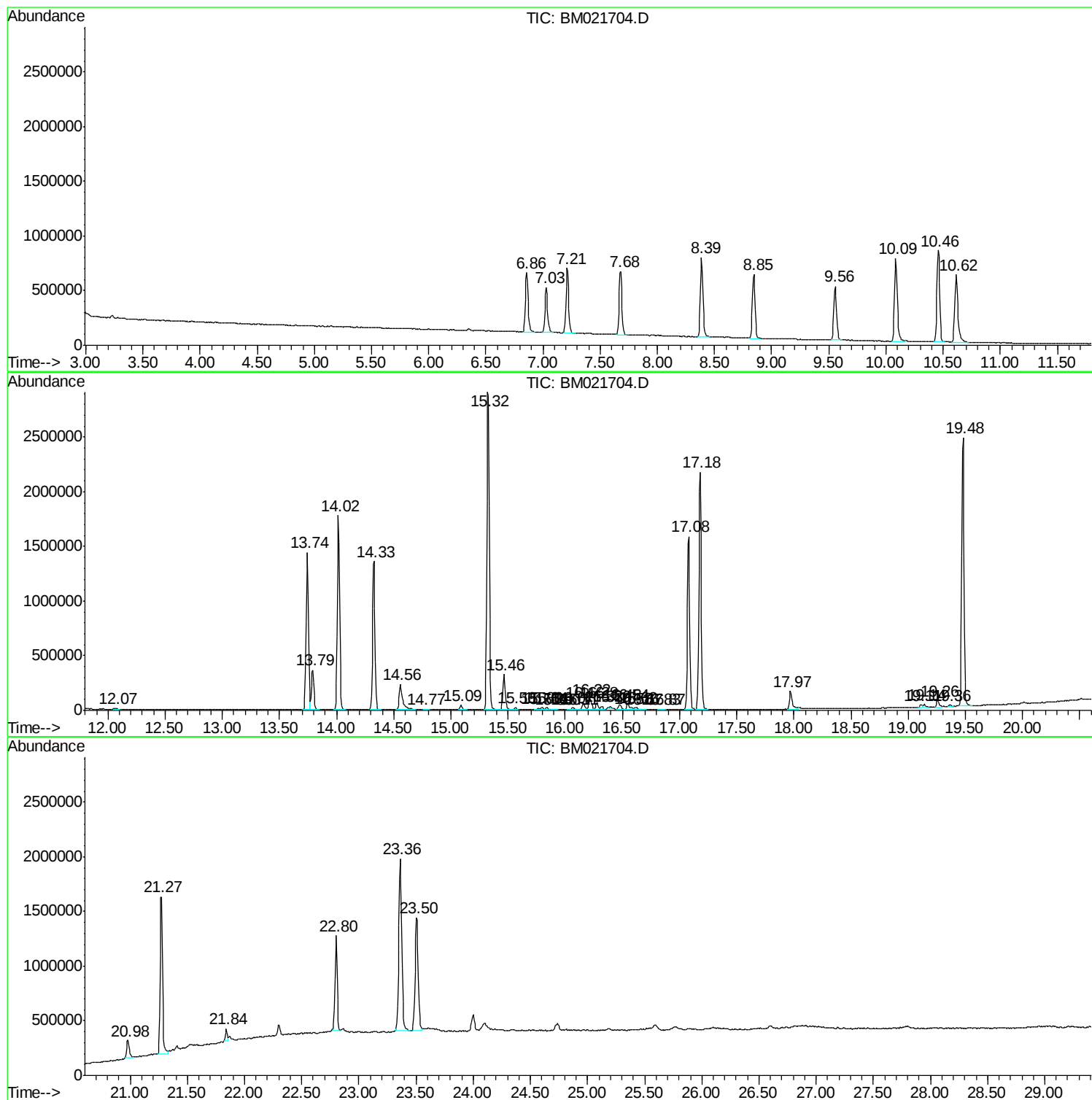
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
Quant Title : SVOA CALIBRATION

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



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Acq On : 29 Jul 2019 20:24  
Operator : HP/JU  
Sample : K3863-03  
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ALS Vial : 14 Sample Multiplier: 1

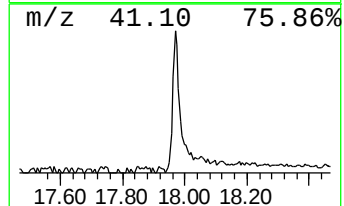
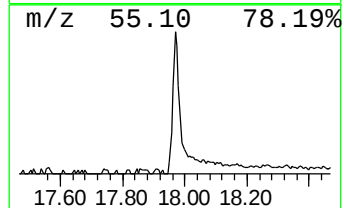
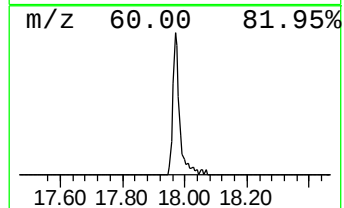
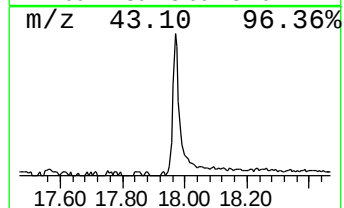
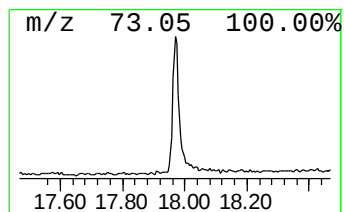
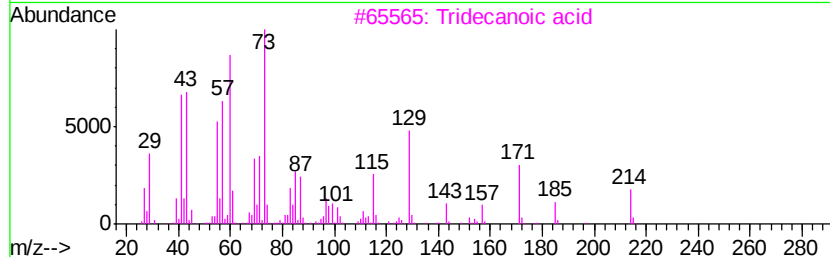
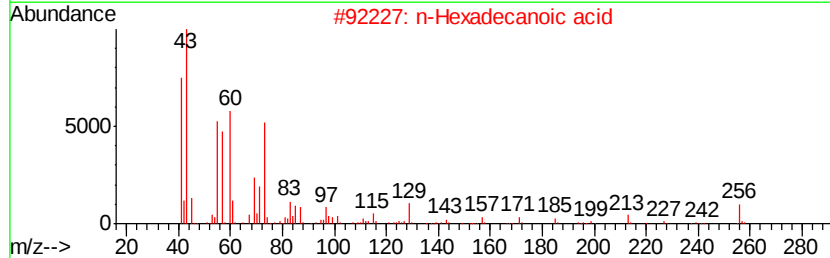
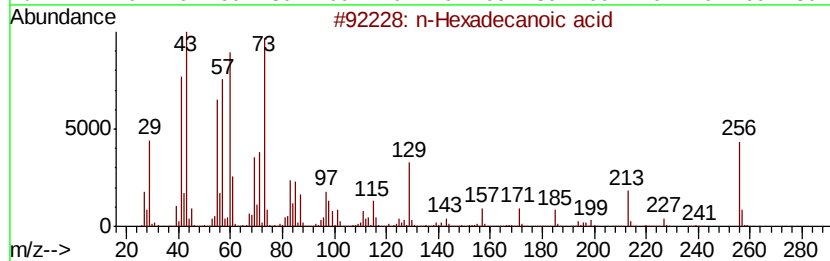
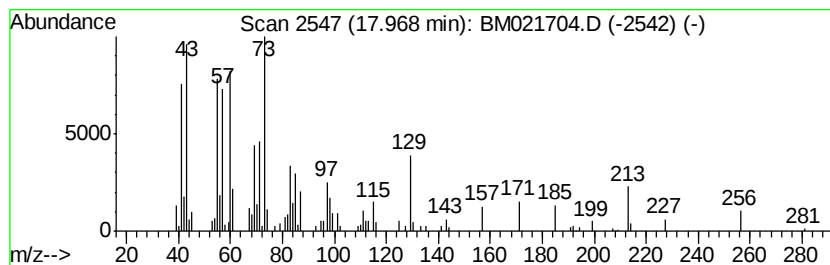
Instrument :  
BNA\_M  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
Quant Title : SVOA CALIBRATION

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.     |             |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.97   | 2.45 ng/ul | 280028              | Phenanthrene-d10 | 17.08    |             |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 96   |
| 2       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 93   |
| 3       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 81   |
| 4       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 76   |
| 5       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 74   |



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Quant Title : SVOA CALIBRATION

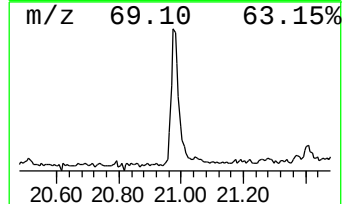
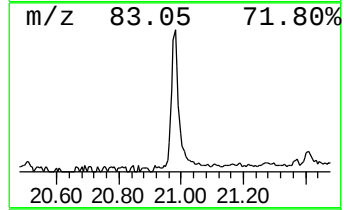
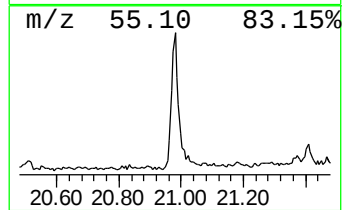
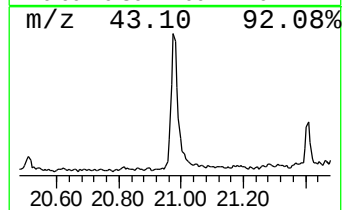
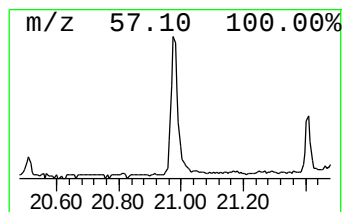
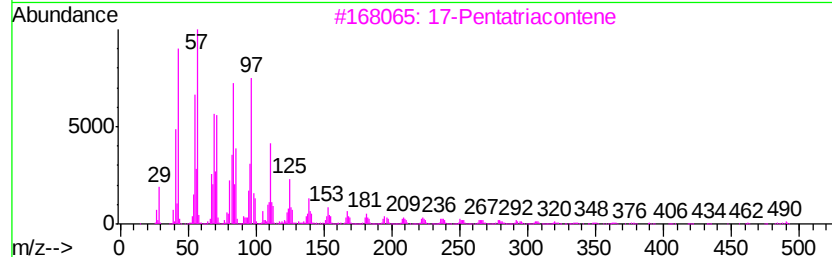
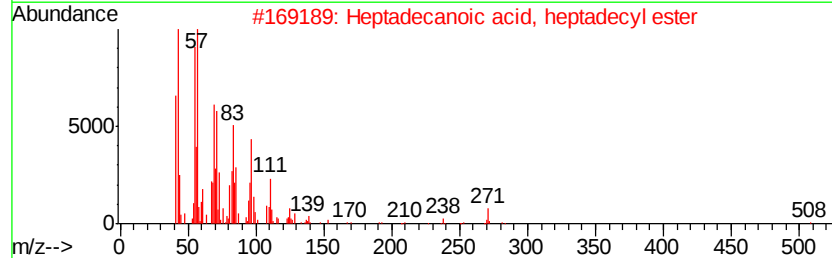
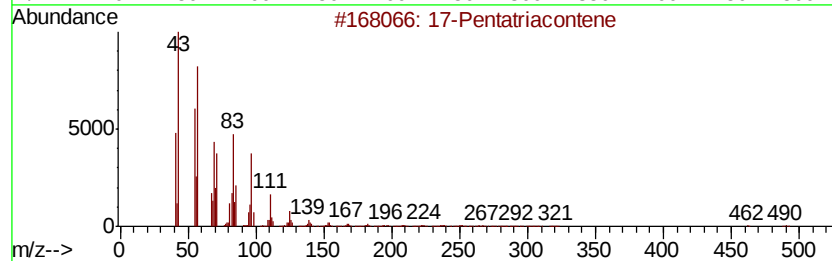
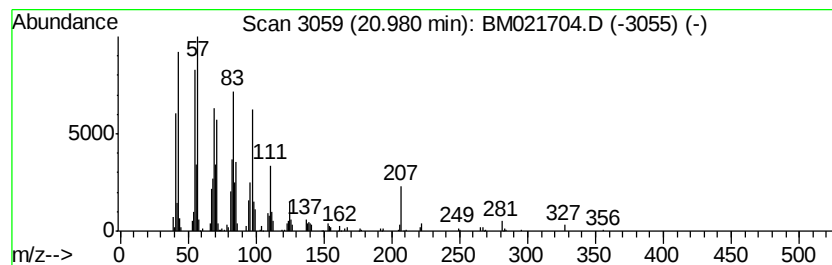
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Cyclic20.98 Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.98 | 2.43 ng/ul | 251144 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 17-Pentatriacontene                 | 491 | C35H70     | 006971-40-0  | 87   |
| 2    |    | Heptadecanoic acid, heptadecyl e... | 509 | C34H68O2   | 036617-50-2  | 87   |
| 3    |    | 17-Pentatriacontene                 | 491 | C35H70     | 006971-40-0  | 81   |
| 4    |    | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 1000283-04-2 | 81   |
| 5    |    | 1-Tricosene                         | 322 | C23H46     | 018835-32-0  | 81   |



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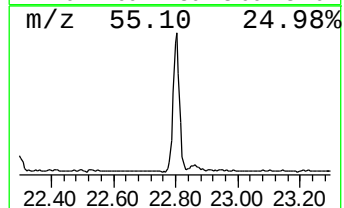
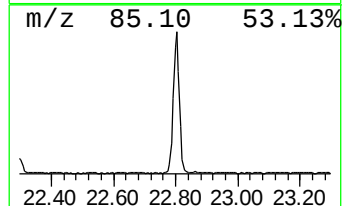
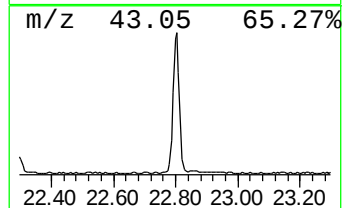
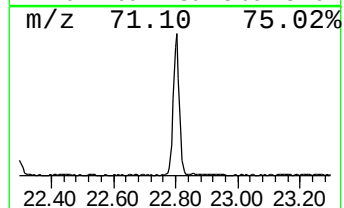
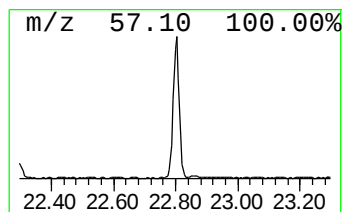
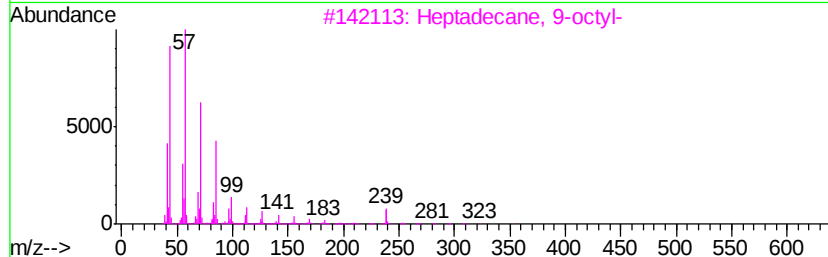
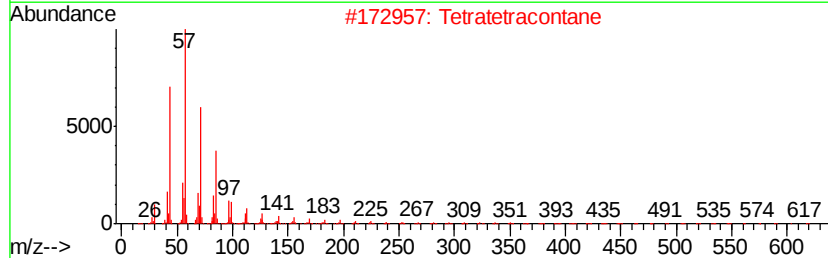
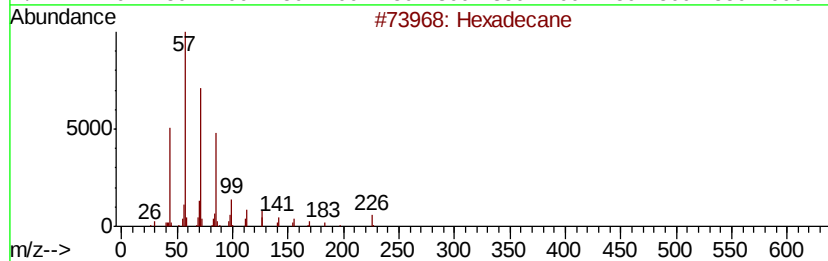
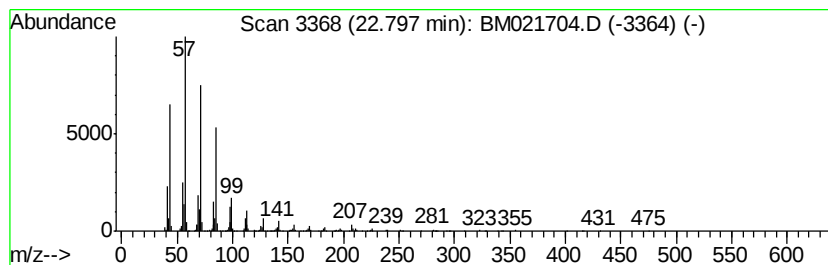
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 22.80 | 12.15 ng/ul | 1189390 | Perylene-d12     | 23.50 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane            | 226 | C16H34  | 000544-76-3 | 93   |
| 2    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 91   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 91   |



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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  | 17.97 | 2.5     | ng/ul | 280028   | 4                     | 17.08 | 2284070 | 20.0 |
| (DEL) Alkane: Cyc... | 20.98 | 2.4     | ng/ul | 251144   | 5                     | 21.27 | 2065450 | 20.0 |
| (DEL) Alkane: Str... | 22.80 | 12.2    | ng/ul | 1189390  | 6                     | 23.50 | 1957490 | 20.0 |