

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051316\  
 Data File : BM005443.D  
 Acq On : 13 May 2016 21:58  
 Operator : UM/SJ  
 Sample : H2847-09  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BD378

## 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         | 6.928       | 715           | 721         | 735          | rBV      | 207825         | 344697        | 20.88%          | 1.895%        |
| 2         | 7.087       | 741           | 748         | 757          | rBV      | 173880         | 274227        | 16.61%          | 1.507%        |
| 3         | 7.287       | 776           | 782         | 792          | rBV      | 212896         | 347854        | 21.07%          | 1.912%        |
| 4         | 7.751       | 854           | 861         | 869          | rBV      | 253507         | 423753        | 25.67%          | 2.329%        |
| 5         | 8.457       | 976           | 981         | 998          | rBV      | 261452         | 445400        | 26.98%          | 2.448%        |
| 6         | 8.904       | 1051          | 1057        | 1069         | rBV      | 207020         | 349214        | 21.15%          | 1.920%        |
| 7         | 9.628       | 1173          | 1180        | 1191         | rBV      | 169399         | 291547        | 17.66%          | 1.603%        |
| 8         | 10.169      | 1265          | 1272        | 1293         | rBV      | 237828         | 444319        | 26.91%          | 2.442%        |
| 9         | 10.534      | 1327          | 1334        | 1342         | rBV      | 407565         | 677445        | 41.03%          | 3.724%        |
| 10        | 10.681      | 1353          | 1359        | 1375         | rBV      | 125243         | 235146        | 14.24%          | 1.293%        |
| 11        | 13.280      | 1794          | 1801        | 1809         | rBV      | 25116          | 37857         | 2.29%           | 0.208%        |
| 12        | 13.798      | 1883          | 1889        | 1894         | rBV      | 573474         | 817303        | 49.50%          | 4.493%        |
| 13        | 13.845      | 1894          | 1897        | 1904         | rVB      | 248141         | 333533        | 20.20%          | 1.833%        |
| 14        | 14.080      | 1931          | 1937        | 1947         | rBV      | 621768         | 939656        | 56.92%          | 5.165%        |
| 15        | 14.245      | 1959          | 1965        | 1968         | rBV2     | 11684          | 21394         | 1.30%           | 0.118%        |
| 16        | 14.280      | 1968          | 1971        | 1977         | rVV      | 42180          | 57577         | 3.49%           | 0.316%        |
| 17        | 14.392      | 1980          | 1990        | 1999         | rVB2     | 623825         | 983530        | 59.57%          | 5.406%        |
| 18        | 14.622      | 2024          | 2029        | 2043         | rBV      | 112026         | 249560        | 15.12%          | 1.372%        |
| 19        | 15.233      | 2129          | 2133        | 2139         | rVB      | 51808          | 64152         | 3.89%           | 0.353%        |
| 20        | 15.386      | 2153          | 2159        | 2168         | rVB      | 849260         | 1228673       | 74.42%          | 6.754%        |
| 21        | 15.521      | 2176          | 2182        | 2194         | rVB      | 148375         | 222695        | 13.49%          | 1.224%        |
| 22        | 15.627      | 2194          | 2200        | 2206         | rBV4     | 16999          | 37456         | 2.27%           | 0.206%        |
| 23        | 16.098      | 2275          | 2280        | 2288         | rBV      | 52485          | 80462         | 4.87%           | 0.442%        |
| 24        | 16.892      | 2410          | 2415        | 2419         | rBV      | 30287          | 36283         | 2.20%           | 0.199%        |
| 25        | 16.939      | 2419          | 2423        | 2434         | rVB2     | 10502          | 19492         | 1.18%           | 0.107%        |
| 26        | 17.139      | 2451          | 2457        | 2463         | rBV2     | 837047         | 1207617       | 73.15%          | 6.638%        |
| 27        | 17.239      | 2468          | 2474        | 2483         | rVB2     | 930370         | 1351622       | 81.87%          | 7.430%        |
| 28        | 17.515      | 2514          | 2521        | 2533         | rBV      | 167242         | 231698        | 14.03%          | 1.274%        |
| 29        | 17.627      | 2536          | 2540        | 2544         | rVB      | 18928          | 23869         | 1.45%           | 0.131%        |
| 30        | 18.033      | 2604          | 2609        | 2618         | rBV      | 19354          | 32574         | 1.97%           | 0.179%        |
| 31        | 18.886      | 2748          | 2754        | 2763         | rBV      | 161100         | 217131        | 13.15%          | 1.194%        |
| 32        | 19.174      | 2797          | 2803        | 2806         | rBV2     | 11812          | 19227         | 1.16%           | 0.106%        |
| 33        | 19.204      | 2806          | 2808        | 2815         | rVB      | 13068          | 16950         | 1.03%           | 0.093%        |
| 34        | 19.539      | 2859          | 2865        | 2877         | rBV2     | 1171577        | 1650967       | 100.00%         | 9.075%        |

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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

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 20.409 | 3008 | 3013 | 3016 | rBV  | 17881   | 23782   | 1.44%  | 0.131% |
| 36 | 21.033 | 3114 | 3119 | 3133 | rBV  | 241784  | 330150  | 20.00% | 1.815% |
| 37 | 21.239 | 3151 | 3154 | 3160 | rVB2 | 14741   | 18000   | 1.09%  | 0.099% |
| 38 | 21.339 | 3165 | 3171 | 3180 | rVV  | 1022876 | 1389766 | 84.18% | 7.639% |
| 39 | 22.374 | 3343 | 3347 | 3352 | rVB  | 28024   | 38076   | 2.31%  | 0.209% |
| 40 | 22.503 | 3365 | 3369 | 3373 | rVB  | 32965   | 42754   | 2.59%  | 0.235% |
| 41 | 22.880 | 3429 | 3433 | 3439 | rVB  | 49555   | 69895   | 4.23%  | 0.384% |
| 42 | 23.456 | 3524 | 3531 | 3541 | rVB2 | 619054  | 1209540 | 73.26% | 6.649% |
| 43 | 23.603 | 3549 | 3556 | 3568 | rVB  | 540023  | 1034465 | 62.66% | 5.686% |
| 44 | 24.092 | 3634 | 3639 | 3648 | rVB  | 59757   | 110448  | 6.69%  | 0.607% |
| 45 | 24.180 | 3650 | 3654 | 3663 | rVB5 | 27137   | 54925   | 3.33%  | 0.302% |
| 46 | 24.839 | 3761 | 3766 | 3775 | rVB  | 45491   | 97710   | 5.92%  | 0.537% |
| 47 | 25.715 | 3911 | 3915 | 3921 | rVB3 | 28390   | 57777   | 3.50%  | 0.318% |

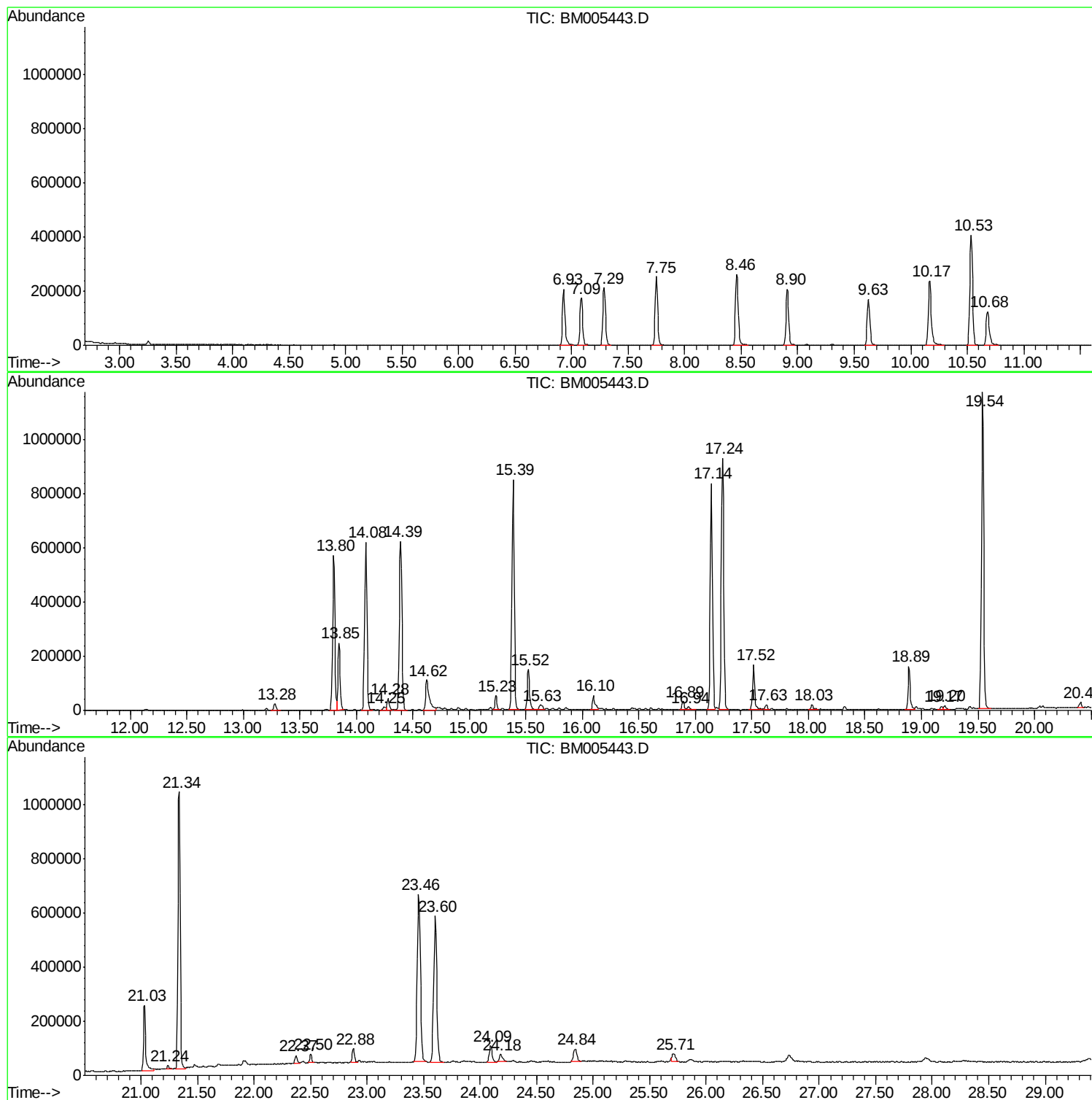
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
Quant Title : SVOA CALIBRATION

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



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Sample : H2847-09  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

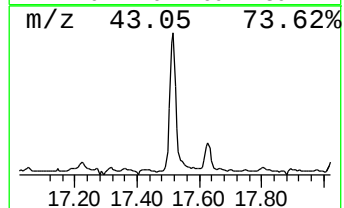
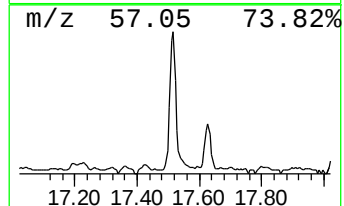
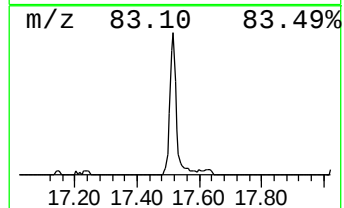
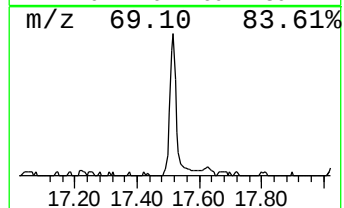
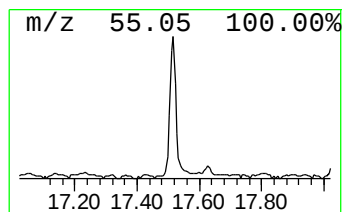
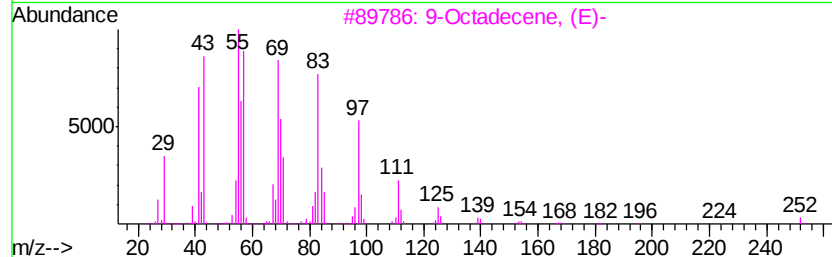
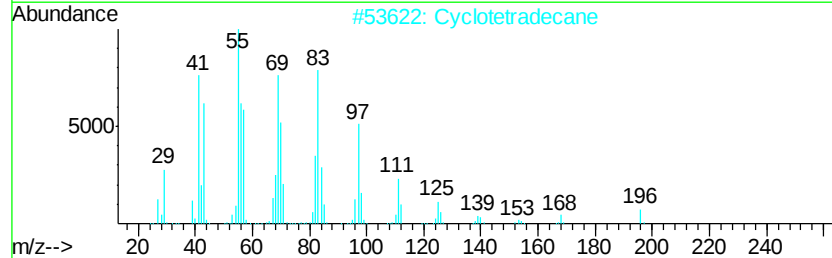
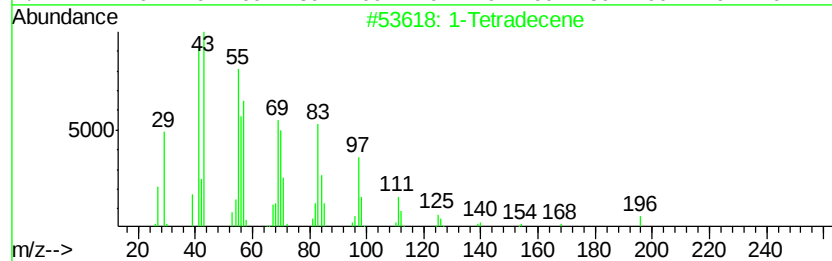
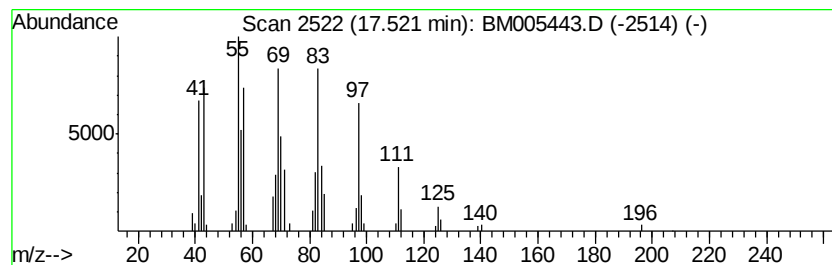
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 (DEL) Alkane: Cyclic-17.52 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD   |     | R.T.    |             |      |
|-------|------------|--------|--------------------|-----|---------|-------------|------|
| 17.52 | 3.84 ng/ul | 231698 | Phenanthrene-d10   |     | 17.14   |             |      |
| Hit#  | of         | 5      | Tentative ID       | MW  | MolForm | CAS#        | Qual |
| 1     |            |        | 1-Tetradecene      | 196 | C14H28  | 001120-36-1 | 95   |
| 2     |            |        | Cyclotetradecane   | 196 | C14H28  | 000295-17-0 | 91   |
| 3     |            |        | 9-Octadecene, (E)- | 252 | C18H36  | 007206-25-9 | 91   |
| 4     |            |        | 5-Octadecene, (E)- | 252 | C18H36  | 007206-21-5 | 91   |
| 5     |            |        | 1-Tetradecanol     | 214 | C14H30O | 000112-72-1 | 91   |



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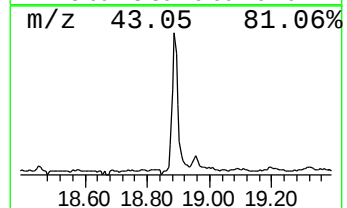
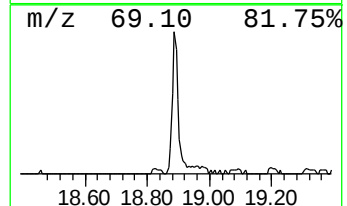
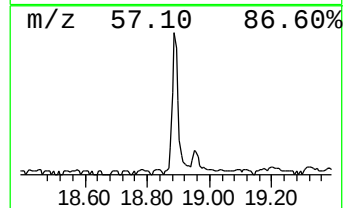
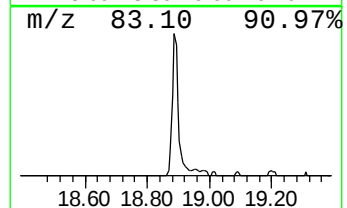
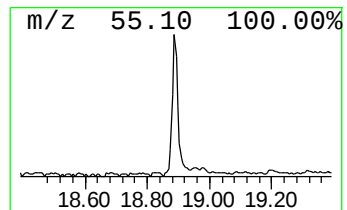
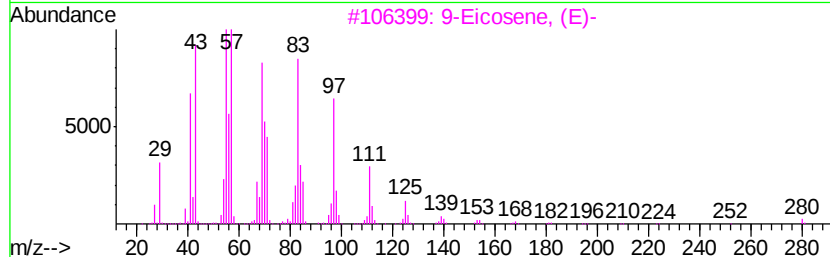
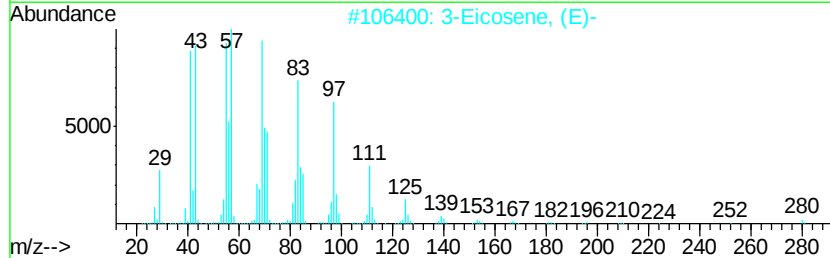
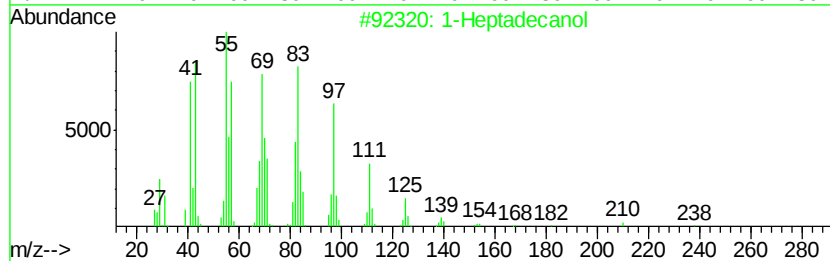
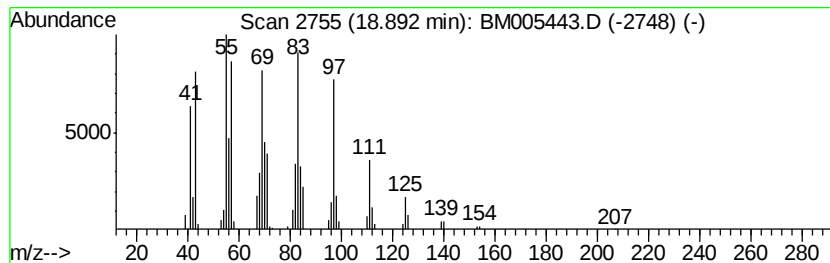
Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 1-Heptadecanol Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD                  | R.T.  |            |              |      |
|-------|------------|--------|-----------------------------------|-------|------------|--------------|------|
| 18.89 | 3.60 ng/ul | 217131 | Phenanthrene-d10                  | 17.14 |            |              |      |
| Hit#  | of         | 5      | Tentative ID                      | MW    | MolForm    | CAS#         | Qual |
| 1     |            |        | 1-Heptadecanol                    | 256   | C17H36O    | 001454-85-9  | 95   |
| 2     |            |        | 3-Eicosene, (E)-                  | 280   | C20H40     | 074685-33-9  | 94   |
| 3     |            |        | 9-Eicosene, (E)-                  | 280   | C20H40     | 074685-29-3  | 94   |
| 4     |            |        | 5-Eicosene, (E)-                  | 280   | C20H40     | 074685-30-6  | 93   |
| 5     |            |        | 4-Heptafluorobutyryloxyhexadecane | 438   | C20H33F7O2 | 1000282-97-2 | 91   |



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

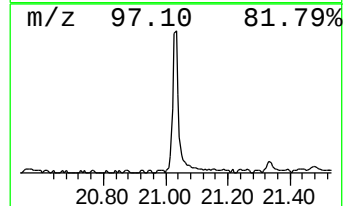
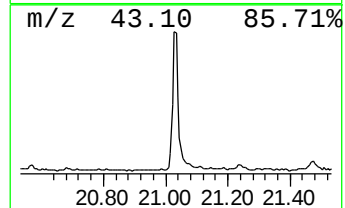
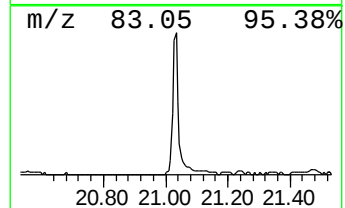
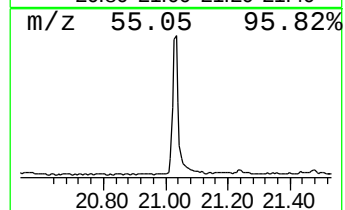
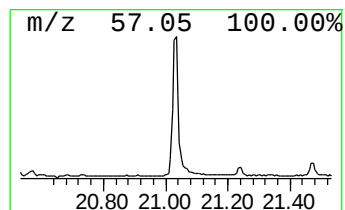
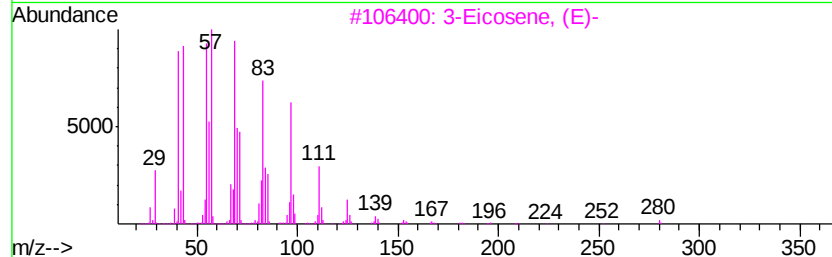
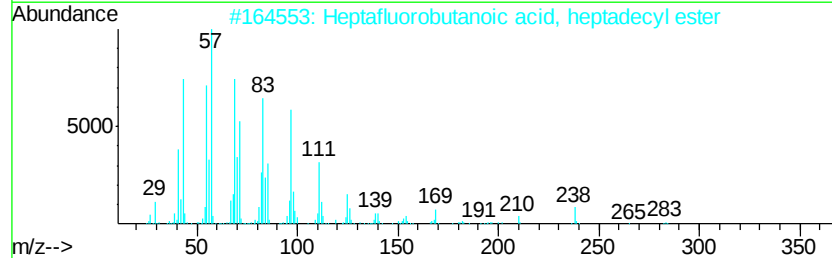
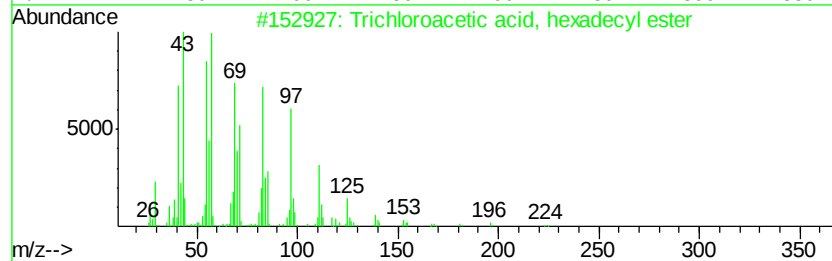
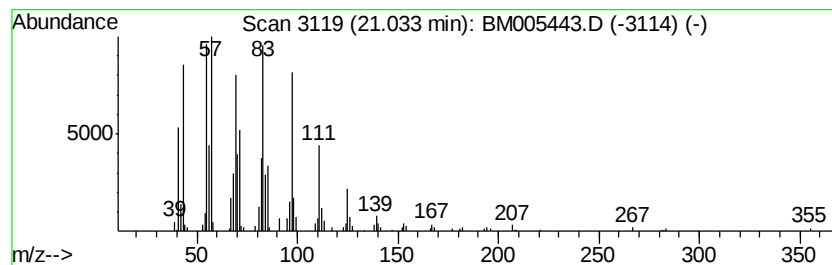
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Trichloroacetic acid, hexad... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.03 | 4.75 ng/ul | 330150 | Chrysene-d12     | 21.34 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 94   |
| 2    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 93   |
| 3    |    | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9  | 91   |
| 4    |    | 2-Chloropropionic acid, hexadec...  | 332 | C19H37ClO2  | 086711-81-1  | 91   |
| 5    |    | 1-Octadecanol                       | 270 | C18H38O     | 000112-92-5  | 90   |



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Quant Title : SVOA CALIBRATION

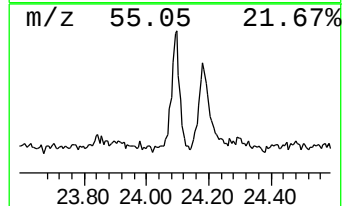
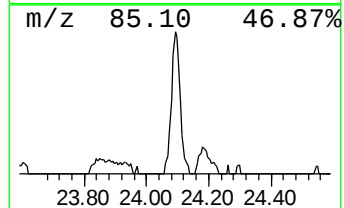
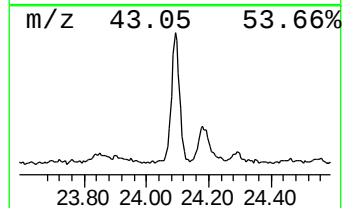
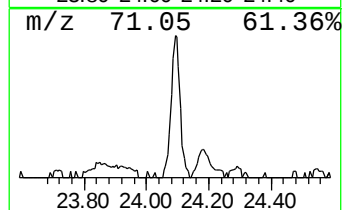
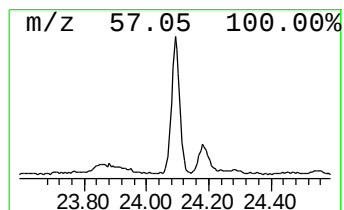
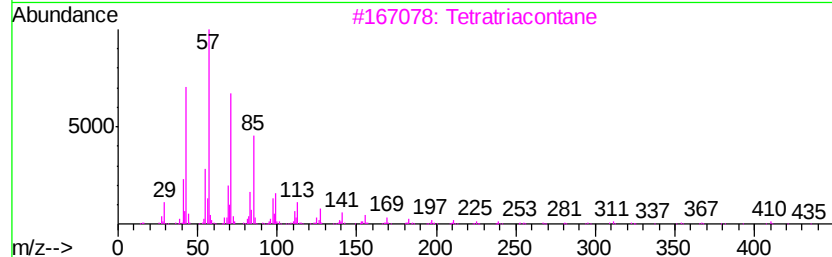
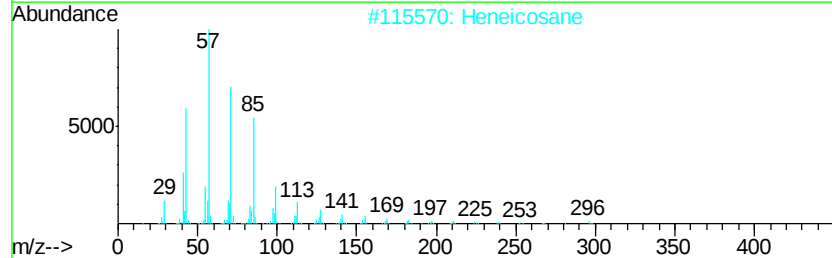
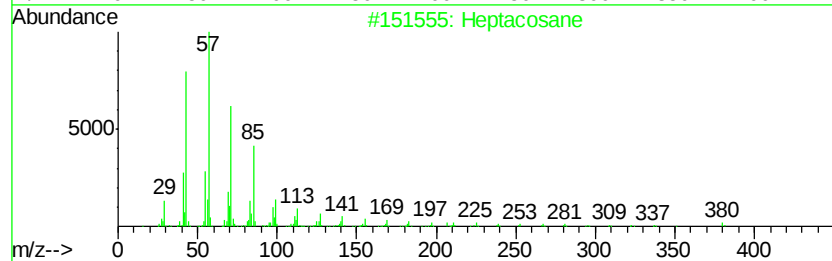
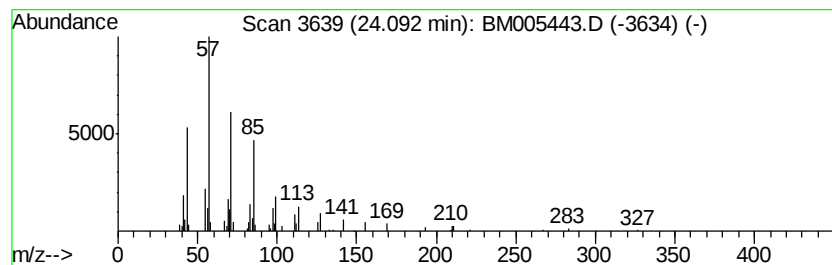
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.09 | 2.14 ng/ul | 110448 | Perylene-d12     | 23.60 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane       | 380 | C27H56  | 000593-49-7 | 91   |
| 2    |    | Heneicosane       | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |
| 4    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |
| 5    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051316\  
Data File : BM005443.D  
Acq On : 13 May 2016 21:58  
Operator : UM/SJ  
Sample : H2847-09  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BD378

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Cyc... | 17.52 | 3.8     | ng/ul | 231698   | 4                     | 17.14 | 1207620 | 20.0 |
| 1-Heptadecanol       | 18.89 | 3.6     | ng/ul | 217131   | 4                     | 17.14 | 1207620 | 20.0 |
| Trichloroacetic a... | 21.03 | 4.8     | ng/ul | 330150   | 5                     | 21.34 | 1389770 | 20.0 |
| (DEL) Alkane: Str... | 24.09 | 2.1     | ng/ul | 110448   | 6                     | 23.60 | 1034470 | 20.0 |