

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122319\  
 Data File : BM024228.D  
 Acq On : 23 Dec 2019 22:35  
 Operator : JU  
 Sample : K6200-11  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFF35

## 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-BM121719MA.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      | 2.993    | 16         | 18       | 26        | rVB   | 53580       | 78358      | 1.17%        | 0.116%     |
| 2      | 3.687    | 134        | 136      | 144       | rVB4  | 13669       | 23919      | 0.36%        | 0.036%     |
| 3      | 6.634    | 629        | 637      | 656       | rBV   | 250019      | 502089     | 7.50%        | 0.746%     |
| 4      | 6.787    | 657        | 663      | 679       | rBV   | 818225      | 1373473    | 20.51%       | 2.041%     |
| 5      | 6.969    | 688        | 694      | 708       | rBV   | 896919      | 1531114    | 22.86%       | 2.275%     |
| 6      | 7.428    | 766        | 772      | 785       | rBV   | 890278      | 1485666    | 22.18%       | 2.207%     |
| 7      | 7.528    | 785        | 789      | 795       | rVB7  | 6646        | 13842      | 0.21%        | 0.021%     |
| 8      | 8.157    | 890        | 896      | 913       | rBV   | 704434      | 1263897    | 18.87%       | 1.878%     |
| 9      | 8.586    | 962        | 969      | 981       | rBV   | 979956      | 1699963    | 25.38%       | 2.526%     |
| 10     | 9.022    | 1038       | 1043     | 1048      | rVB   | 38502       | 54228      | 0.81%        | 0.081%     |
| 11     | 9.298    | 1081       | 1090     | 1106      | rBV   | 785900      | 1436469    | 21.45%       | 2.134%     |
| 12     | 9.398    | 1106       | 1107     | 1112      | rVB4  | 7573        | 7273       | 0.11%        | 0.011%     |
| 13     | 9.475    | 1118       | 1120     | 1127      | rVB7  | 4543        | 6756       | 0.10%        | 0.010%     |
| 14     | 9.839    | 1176       | 1182     | 1200      | rBV   | 1080624     | 2164980    | 32.33%       | 3.217%     |
| 15     | 10.198   | 1236       | 1243     | 1254      | rBV   | 1344399     | 2229692    | 33.29%       | 3.313%     |
| 16     | 10.392   | 1269       | 1276     | 1284      | rBV3  | 23668       | 65101      | 0.97%        | 0.097%     |
| 17     | 10.522   | 1294       | 1298     | 1303      | rVB7  | 4521        | 8239       | 0.12%        | 0.012%     |
| 18     | 11.816   | 1513       | 1518     | 1525      | rBV3  | 14618       | 30012      | 0.45%        | 0.045%     |
| 19     | 11.951   | 1533       | 1541     | 1542      | rBV4  | 5437        | 10127      | 0.15%        | 0.015%     |
| 20     | 12.433   | 1621       | 1623     | 1628      | rBV4  | 8618        | 12415      | 0.19%        | 0.018%     |
| 21     | 12.704   | 1665       | 1669     | 1672      | rVB2  | 10218       | 14122      | 0.21%        | 0.021%     |
| 22     | 13.010   | 1716       | 1721     | 1727      | rVB3  | 12963       | 20489      | 0.31%        | 0.030%     |
| 23     | 13.521   | 1801       | 1808     | 1813      | rBV   | 2630280     | 3696907    | 55.20%       | 5.493%     |
| 24     | 13.568   | 1813       | 1816     | 1825      | rVB   | 295717      | 421307     | 6.29%        | 0.626%     |
| 25     | 13.780   | 1846       | 1852     | 1864      | rBV   | 2910120     | 4346521    | 64.90%       | 6.458%     |
| 26     | 14.092   | 1898       | 1905     | 1917      | rBV2  | 2056026     | 3165317    | 47.26%       | 4.703%     |
| 27     | 14.368   | 1946       | 1952     | 1966      | rBV2  | 81104       | 251794     | 3.76%        | 0.374%     |
| 28     | 14.874   | 2034       | 2038     | 2043      | rBV   | 24197       | 35290      | 0.53%        | 0.052%     |
| 29     | 14.921   | 2043       | 2046     | 2047      | rVV3  | 7013        | 6807       | 0.10%        | 0.010%     |
| 30     | 14.951   | 2049       | 2051     | 2053      | rVV3  | 8274        | 6928       | 0.10%        | 0.010%     |
| 31     | 14.986   | 2053       | 2057     | 2062      | rVB6  | 7808        | 11843      | 0.18%        | 0.018%     |
| 32     | 15.098   | 2069       | 2076     | 2091      | rBV   | 3975369     | 5632620    | 84.10%       | 8.369%     |
| 33     | 15.251   | 2095       | 2102     | 2114      | rBV   | 1012113     | 1591167    | 23.76%       | 2.364%     |
| 34     | 15.345   | 2114       | 2118     | 2125      | rVB   | 44414       | 72452      | 1.08%        | 0.108%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 15.480 | 2139 | 2141 | 2148 | rVB5 | 9506    | 16580   | 0.25%   | 0.025% |
| 36 | 15.545 | 2148 | 2152 | 2156 | rVB5 | 7689    | 12752   | 0.19%   | 0.019% |
| 37 | 15.598 | 2156 | 2161 | 2166 | rBV8 | 5194    | 9768    | 0.15%   | 0.015% |
| 38 | 15.680 | 2169 | 2175 | 2179 | rBV6 | 4853    | 8413    | 0.13%   | 0.013% |
| 39 | 15.804 | 2191 | 2196 | 2201 | rBV6 | 4707    | 10238   | 0.15%   | 0.015% |
| 40 | 15.845 | 2201 | 2203 | 2207 | rBV4 | 8036    | 10860   | 0.16%   | 0.016% |
| 41 | 15.886 | 2207 | 2210 | 2214 | rVV5 | 11659   | 17848   | 0.27%   | 0.027% |
| 42 | 16.298 | 2276 | 2280 | 2284 | rVB6 | 6654    | 10605   | 0.16%   | 0.016% |
| 43 | 16.427 | 2299 | 2302 | 2306 | rVB6 | 9327    | 13057   | 0.19%   | 0.019% |
| 44 | 16.533 | 2317 | 2320 | 2325 | rBV5 | 7999    | 11624   | 0.17%   | 0.017% |
| 45 | 16.645 | 2335 | 2339 | 2343 | rBV4 | 26556   | 37230   | 0.56%   | 0.055% |
| 46 | 16.739 | 2351 | 2355 | 2360 | rVB6 | 9239    | 15014   | 0.22%   | 0.022% |
| 47 | 16.851 | 2368 | 2374 | 2384 | rBV  | 2576772 | 3637180 | 54.31%  | 5.404% |
| 48 | 16.951 | 2385 | 2391 | 2408 | rVV  | 4041896 | 5754507 | 85.92%  | 8.550% |
| 49 | 17.062 | 2408 | 2410 | 2415 | rVB6 | 9888    | 12487   | 0.19%   | 0.019% |
| 50 | 17.651 | 2508 | 2510 | 2514 | rVB5 | 5848    | 7108    | 0.11%   | 0.011% |
| 51 | 17.780 | 2527 | 2532 | 2539 | rBV  | 170441  | 277311  | 4.14%   | 0.412% |
| 52 | 17.892 | 2547 | 2551 | 2558 | rVB9 | 17997   | 28878   | 0.43%   | 0.043% |
| 53 | 18.074 | 2578 | 2582 | 2584 | rBV4 | 12894   | 18283   | 0.27%   | 0.027% |
| 54 | 18.715 | 2689 | 2691 | 2694 | rBV3 | 8799    | 8471    | 0.13%   | 0.013% |
| 55 | 18.898 | 2718 | 2722 | 2726 | rBV  | 45860   | 61687   | 0.92%   | 0.092% |
| 56 | 19.074 | 2748 | 2752 | 2756 | rBV4 | 42968   | 68245   | 1.02%   | 0.101% |
| 57 | 19.150 | 2761 | 2765 | 2770 | rVB2 | 43404   | 74181   | 1.11%   | 0.110% |
| 58 | 19.262 | 2778 | 2784 | 2795 | rBV  | 4924723 | 6697176 | 100.00% | 9.951% |
| 59 | 20.327 | 2963 | 2965 | 2970 | rBV4 | 37392   | 51755   | 0.77%   | 0.077% |
| 60 | 20.803 | 3042 | 3046 | 3055 | rBV  | 826384  | 1199394 | 17.91%  | 1.782% |
| 61 | 21.062 | 3086 | 3090 | 3100 | rBV  | 2845365 | 3931654 | 58.71%  | 5.842% |
| 62 | 22.103 | 3264 | 3267 | 3272 | rVB  | 212927  | 251286  | 3.75%   | 0.373% |
| 63 | 22.580 | 3345 | 3348 | 3352 | rVB  | 304164  | 382114  | 5.71%   | 0.568% |
| 64 | 23.062 | 3423 | 3430 | 3435 | rBV  | 3839335 | 6682652 | 99.78%  | 9.930% |
| 65 | 23.191 | 3446 | 3452 | 3466 | rVB  | 2239922 | 4158883 | 62.10%  | 6.180% |
| 66 | 23.709 | 3537 | 3540 | 3547 | rVB  | 343120  | 552568  | 8.25%   | 0.821% |

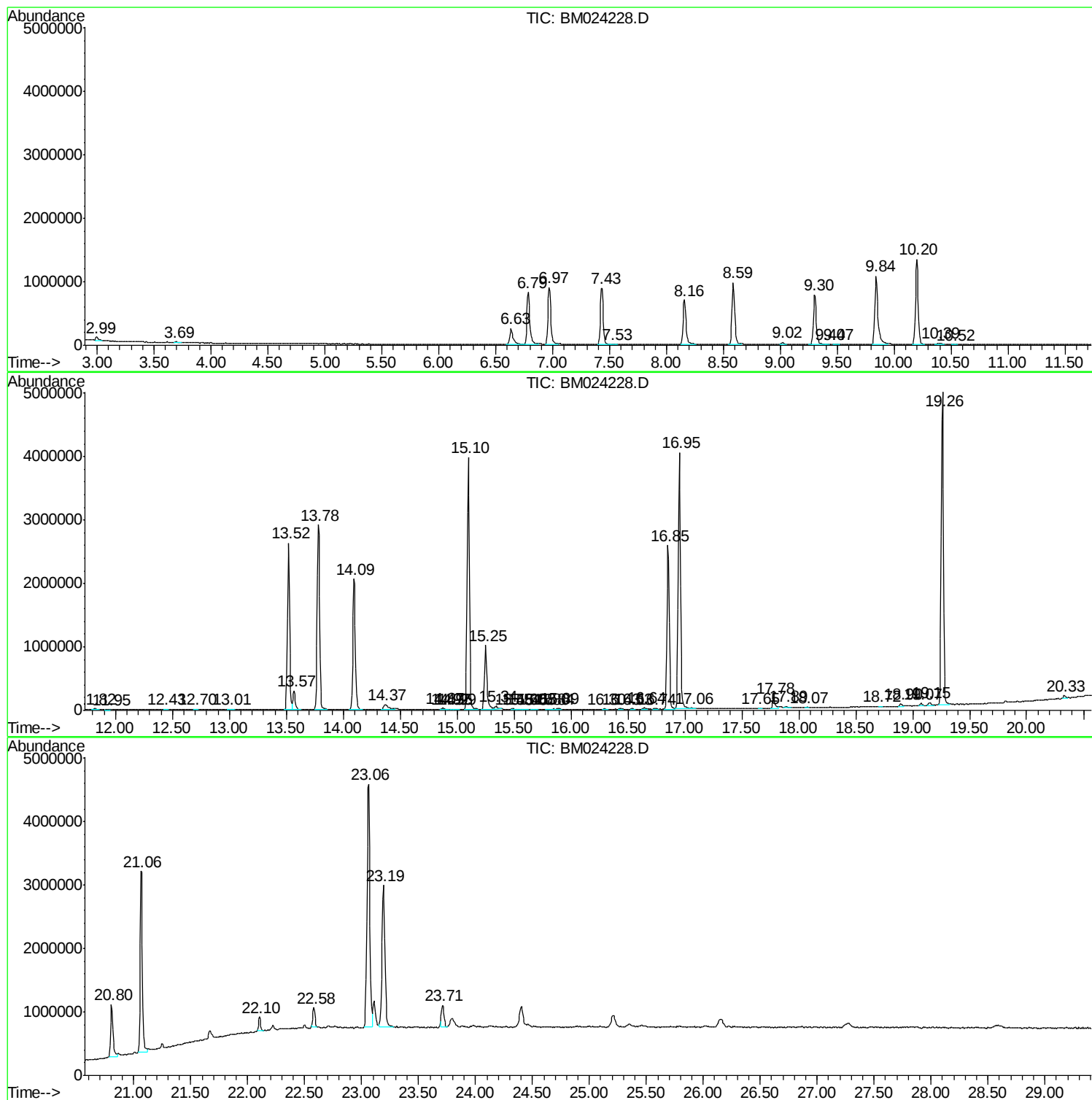
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

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



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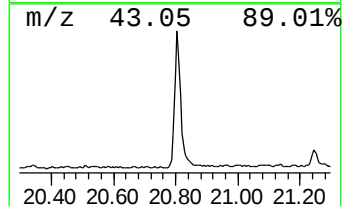
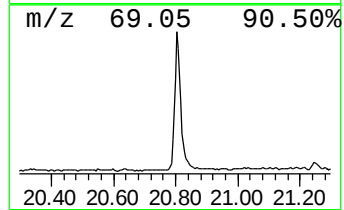
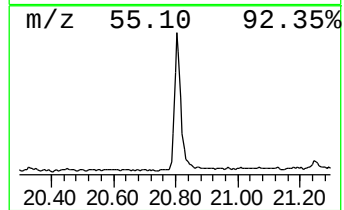
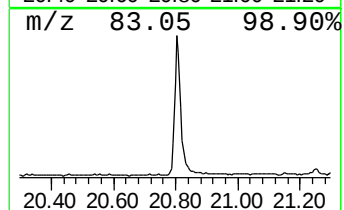
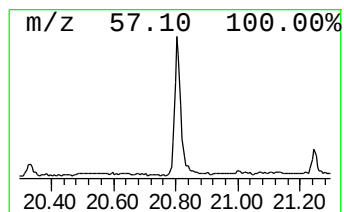
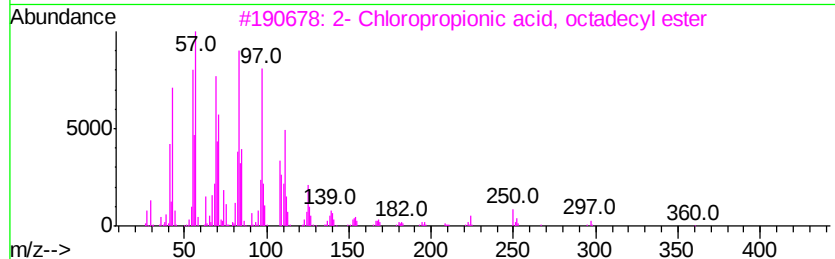
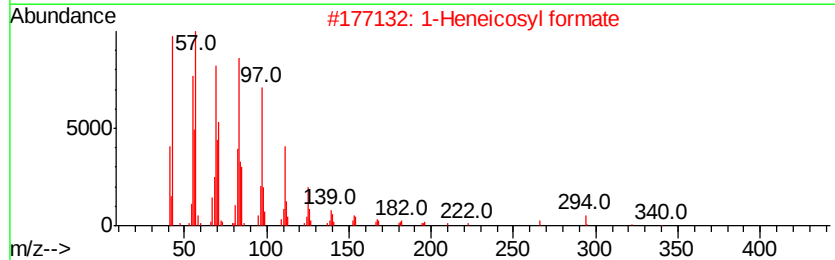
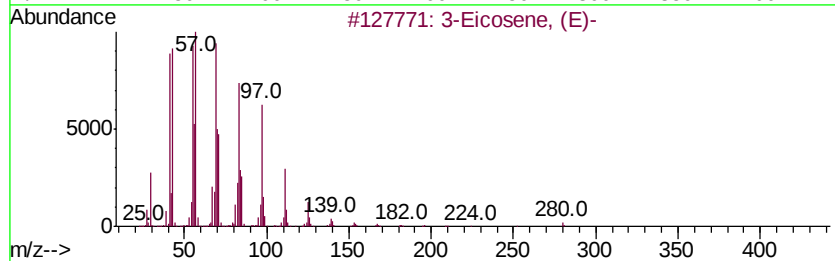
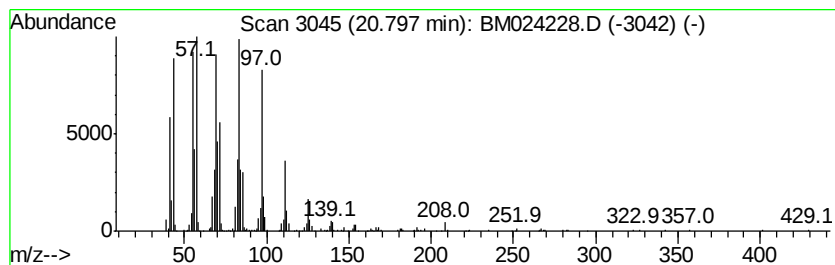
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Cyclic20.80 Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |             |      |
|---------|-------------------------------------|--------------|------------------|-------------|-------------|------|
| 20.80   | 6.10 ng/ul                          | 1199390      | Chrysene-d12     | 21.07       |             |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS#        | Qual |
| 1       | 3-Eicosene, (E)-                    |              | 280              | C20H40      | 074685-33-9 | 99   |
| 2       | 1-Heneicosyl formate                |              | 340              | C22H44O2    | 077899-03-7 | 94   |
| 3       | 2-Chloropropionic acid, octadec...  |              | 360              | C21H41ClO2  | 088104-31-8 | 91   |
| 4       | Behenic alcohol                     |              | 326              | C22H46O     | 000661-19-8 | 91   |
| 5       | Trichloroacetic acid, hexadecyl ... |              | 386              | C18H33Cl3O2 | 074339-54-1 | 91   |



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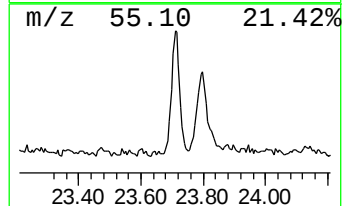
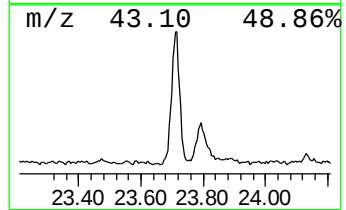
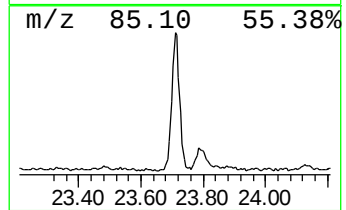
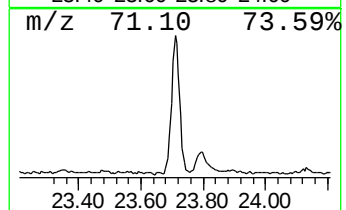
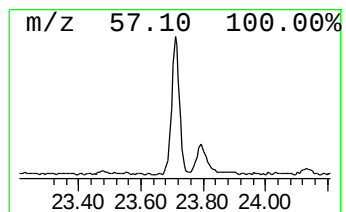
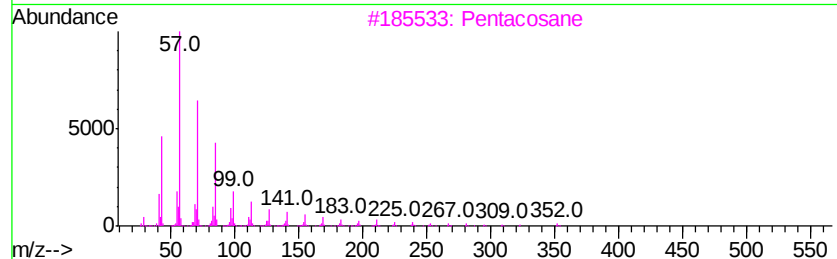
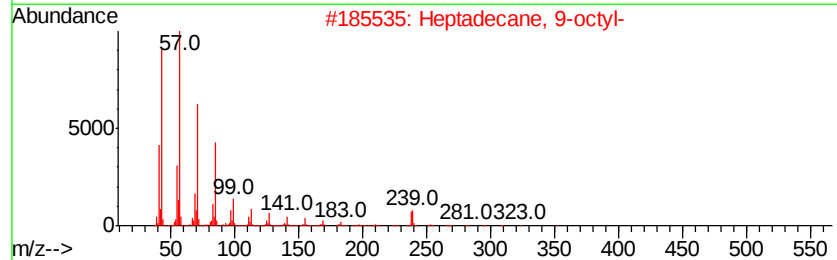
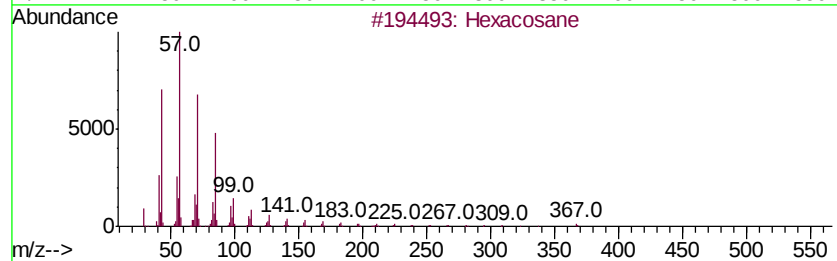
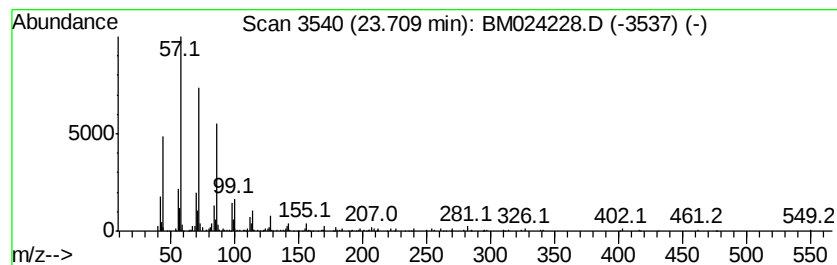
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.71 | 2.66 ng/ul | 552568 | Perylene-d12     | 23.19 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Hexacosane            | 366 | C26H54  | 000630-01-3 | 91   |
| 2    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 90   |
| 3    |    |   | Pentacosane           | 352 | C25H52  | 000629-99-2 | 90   |
| 4    |    |   | 10-Methylnonadecane   | 282 | C20H42  | 056862-62-5 | 90   |
| 5    |    |   | Decane, 3,8-dimethyl- | 170 | C12H26  | 017312-55-9 | 87   |



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|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Cyc... | 20.80 | 6.1     | ng/ul | 1199390  | 5                     | 21.07 | 3931650 | 20.0 |
| (DEL) Alkane: Str... | 23.71 | 2.7     | ng/ul | 552568   | 6                     | 23.19 | 4158880 | 20.0 |