

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032620\  
 Data File : BM025827.D  
 Acq On : 27 Mar 2020 08:08  
 Operator : CG/JU  
 Sample : L2003-03  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0EK4

## 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-BM031420MA.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         | 3.140       | 39            | 43          | 48           | rBV6     | 11156          | 17066         | 0.23%           | 0.028%        |
| 2         | 3.399       | 85            | 87          | 91           | rVB4     | 5505           | 7683          | 0.10%           | 0.012%        |
| 3         | 3.846       | 159           | 163         | 169          | rVB      | 18483          | 27067         | 0.37%           | 0.044%        |
| 4         | 4.928       | 342           | 347         | 352          | rBV      | 28910          | 43164         | 0.59%           | 0.070%        |
| 5         | 6.751       | 651           | 657         | 664          | rVB2     | 203487         | 332818        | 4.53%           | 0.540%        |
| 6         | 6.910       | 678           | 684         | 696          | rBV      | 667966         | 1012340       | 13.79%          | 1.641%        |
| 7         | 7.098       | 710           | 716         | 727          | rVB      | 743803         | 1157163       | 15.76%          | 1.876%        |
| 8         | 7.563       | 788           | 795         | 805          | rBV      | 882706         | 1345804       | 18.33%          | 2.182%        |
| 9         | 7.651       | 805           | 810         | 814          | rVB3     | 12867          | 16754         | 0.23%           | 0.027%        |
| 10        | 7.916       | 849           | 855         | 860          | rBV2     | 16532          | 26595         | 0.36%           | 0.043%        |
| 11        | 8.269       | 909           | 915         | 927          | rBV      | 553781         | 836843        | 11.40%          | 1.357%        |
| 12        | 8.704       | 982           | 989         | 1000         | rBV      | 880555         | 1391615       | 18.95%          | 2.256%        |
| 13        | 9.181       | 1065          | 1070        | 1076         | rVB      | 97835          | 141376        | 1.93%           | 0.229%        |
| 14        | 9.422       | 1104          | 1111        | 1122         | rBV      | 721464         | 1121019       | 15.27%          | 1.818%        |
| 15        | 9.957       | 1194          | 1202        | 1213         | rBV      | 1101684        | 1742382       | 23.73%          | 2.825%        |
| 16        | 10.328      | 1258          | 1265        | 1273         | rVB      | 1192692        | 1934659       | 26.35%          | 3.137%        |
| 17        | 10.475      | 1284          | 1290        | 1301         | rVB2     | 41630          | 74563         | 1.02%           | 0.121%        |
| 18        | 10.986      | 1371          | 1377        | 1384         | rVB2     | 4986           | 10414         | 0.14%           | 0.017%        |
| 19        | 11.669      | 1487          | 1493        | 1499         | rBV      | 46826          | 70033         | 0.95%           | 0.114%        |
| 20        | 11.928      | 1531          | 1537        | 1545         | rVB2     | 15359          | 28232         | 0.38%           | 0.046%        |
| 21        | 13.051      | 1723          | 1728        | 1734         | rBV4     | 7582           | 12287         | 0.17%           | 0.020%        |
| 22        | 13.622      | 1819          | 1825        | 1830         | rBV      | 2252687        | 3013866       | 41.05%          | 4.887%        |
| 23        | 13.669      | 1830          | 1833        | 1840         | rVB      | 205580         | 278470        | 3.79%           | 0.452%        |
| 24        | 13.892      | 1864          | 1871        | 1883         | rBV      | 2561546        | 3616227       | 49.25%          | 5.863%        |
| 25        | 14.139      | 1910          | 1913        | 1917         | rBV2     | 8175           | 11142         | 0.15%           | 0.018%        |
| 26        | 14.204      | 1917          | 1924        | 1931         | rBV      | 1790739        | 2624449       | 35.74%          | 4.255%        |
| 27        | 14.410      | 1950          | 1959        | 1968         | rBV      | 152505         | 252646        | 3.44%           | 0.410%        |
| 28        | 15.204      | 2087          | 2094        | 2100         | rBV      | 3404821        | 4783385       | 65.15%          | 7.756%        |
| 29        | 15.327      | 2108          | 2115        | 2124         | rBV      | 982592         | 1368907       | 18.64%          | 2.220%        |
| 30        | 15.439      | 2130          | 2134        | 2139         | rVB      | 37399          | 48486         | 0.66%           | 0.079%        |
| 31        | 15.986      | 2224          | 2227        | 2233         | rVB4     | 11042          | 14919         | 0.20%           | 0.024%        |
| 32        | 16.739      | 2352          | 2355        | 2362         | rVB6     | 8486           | 14898         | 0.20%           | 0.024%        |
| 33        | 16.951      | 2383          | 2391        | 2397         | rBV      | 2326198        | 3194783       | 43.51%          | 5.180%        |
| 34        | 17.045      | 2401          | 2407        | 2419         | rVV2     | 3973887        | 5544346       | 75.51%          | 8.990%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 17.874 | 2543 | 2548 | 2556 | rBV  | 51855   | 75930   | 1.03%   | 0.123%  |
| 36 | 18.174 | 2596 | 2599 | 2603 | rBV4 | 16651   | 19913   | 0.27%   | 0.032%  |
| 37 | 18.980 | 2731 | 2736 | 2741 | rBV  | 40977   | 52519   | 0.72%   | 0.085%  |
| 38 | 19.074 | 2747 | 2752 | 2759 | rBV  | 81788   | 92832   | 1.26%   | 0.151%  |
| 39 | 19.162 | 2764 | 2767 | 2770 | rBV3 | 12965   | 15683   | 0.21%   | 0.025%  |
| 40 | 19.233 | 2775 | 2779 | 2787 | rVB  | 30768   | 45733   | 0.62%   | 0.074%  |
| 41 | 19.345 | 2788 | 2798 | 2804 | rBV  | 4738035 | 6665044 | 90.77%  | 10.807% |
| 42 | 19.398 | 2804 | 2807 | 2809 | rVV2 | 30076   | 32778   | 0.45%   | 0.053%  |
| 43 | 19.433 | 2809 | 2813 | 2817 | rVB  | 75015   | 81947   | 1.12%   | 0.133%  |
| 44 | 19.727 | 2860 | 2863 | 2865 | rBV3 | 9016    | 9186    | 0.13%   | 0.015%  |
| 45 | 19.898 | 2889 | 2892 | 2895 | rBV4 | 13857   | 15787   | 0.22%   | 0.026%  |
| 46 | 19.933 | 2895 | 2898 | 2901 | rVV2 | 27935   | 29089   | 0.40%   | 0.047%  |
| 47 | 20.162 | 2933 | 2937 | 2941 | rBV2 | 50108   | 59072   | 0.80%   | 0.096%  |
| 48 | 20.368 | 2967 | 2972 | 2976 | rBV  | 132488  | 148351  | 2.02%   | 0.241%  |
| 49 | 20.433 | 2979 | 2983 | 2986 | rVV  | 72869   | 82565   | 1.12%   | 0.134%  |
| 50 | 20.462 | 2986 | 2988 | 2991 | rVB2 | 34366   | 33102   | 0.45%   | 0.054%  |
| 51 | 20.886 | 3056 | 3060 | 3066 | rBV2 | 293072  | 417844  | 5.69%   | 0.678%  |
| 52 | 21.145 | 3098 | 3104 | 3113 | rBV  | 3168938 | 3844396 | 52.36%  | 6.233%  |
| 53 | 21.333 | 3132 | 3136 | 3139 | rVB  | 152919  | 160179  | 2.18%   | 0.260%  |
| 54 | 21.756 | 3204 | 3208 | 3214 | rBV  | 197783  | 246329  | 3.35%   | 0.399%  |
| 55 | 22.197 | 3279 | 3283 | 3287 | rBV  | 252625  | 319409  | 4.35%   | 0.518%  |
| 56 | 22.686 | 3362 | 3366 | 3371 | rVB  | 272130  | 354220  | 4.82%   | 0.574%  |
| 57 | 23.162 | 3439 | 3447 | 3453 | rBV  | 4288835 | 7342513 | 100.00% | 11.905% |
| 58 | 23.227 | 3453 | 3458 | 3462 | rVV  | 317949  | 495284  | 6.75%   | 0.803%  |
| 59 | 23.291 | 3462 | 3469 | 3482 | rVB2 | 2424811 | 4178605 | 56.91%  | 6.775%  |
| 60 | 23.839 | 3557 | 3562 | 3568 | rVB  | 233440  | 396375  | 5.40%   | 0.643%  |
| 61 | 24.538 | 3676 | 3681 | 3690 | rVB  | 168292  | 342444  | 4.66%   | 0.555%  |

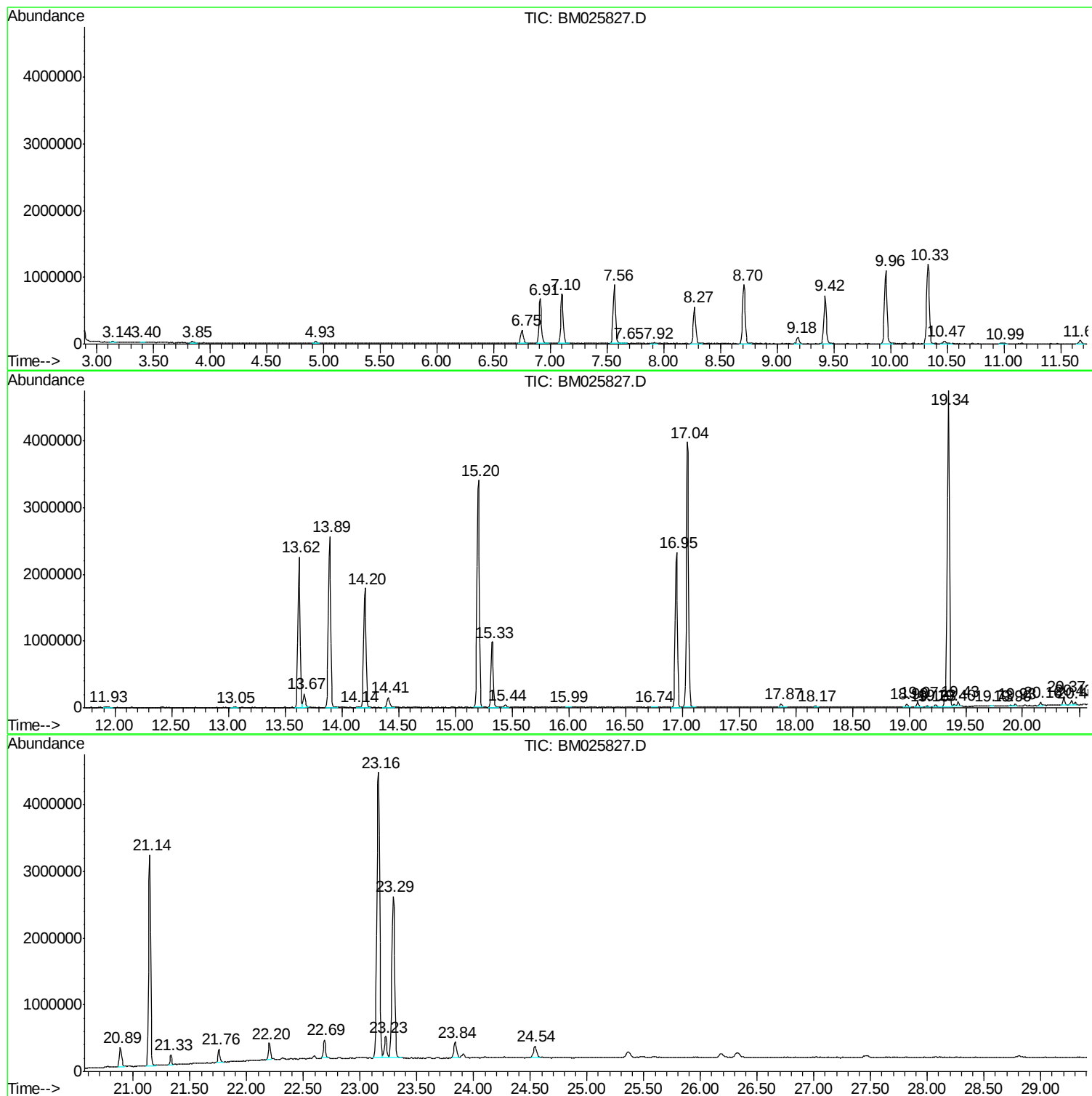
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

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



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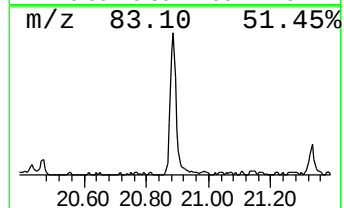
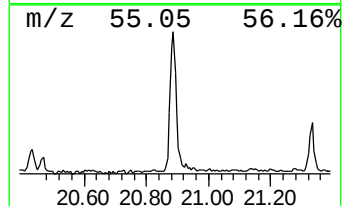
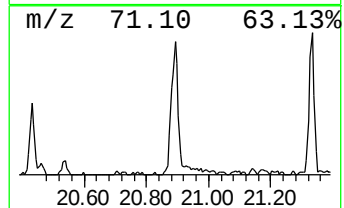
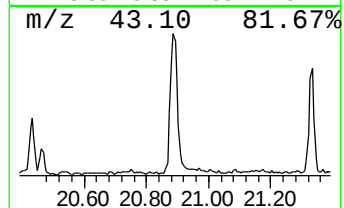
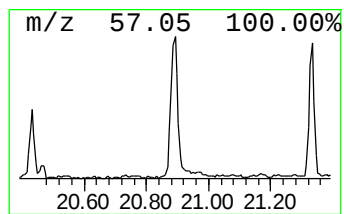
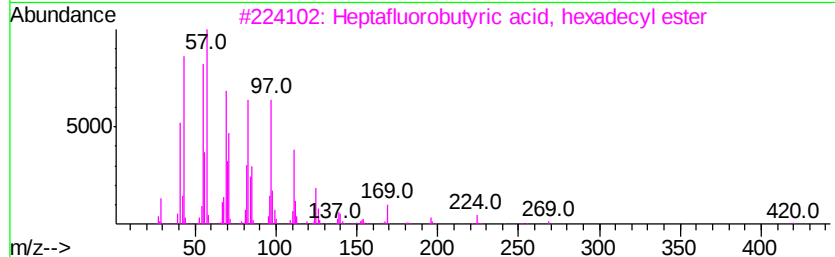
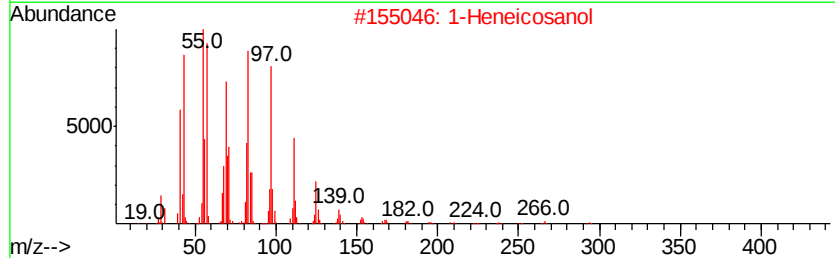
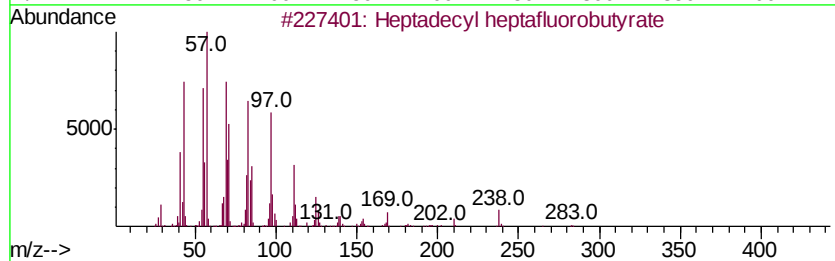
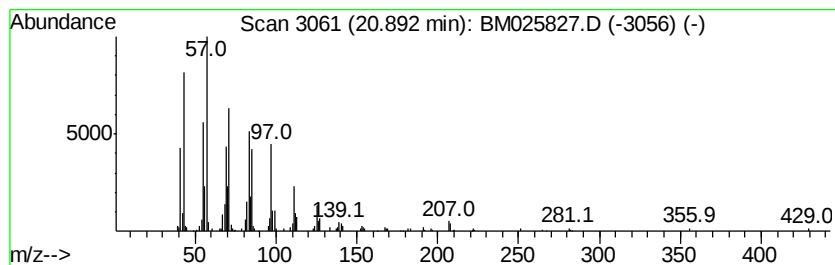
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Heptadecyl heptafluorobutyrate Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.       |             |      |
|---------|------------|-------------------------------------|------------------|------------|-------------|------|
| 20.89   | 2.17 ng/ul | 417844                              | Chrysene-d12     | 21.14      |             |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm    | CAS#        | Qual |
| 1       |            | Heptadecyl heptafluorobutvrate      | 452              | C21H35F7O2 | 959085-66-6 | 94   |
| 2       |            | 1-Heneicosanol                      | 312              | C21H44O    | 015594-90-8 | 93   |
| 3       |            | Heptafluorobutvric acid, hexadec... | 438              | C20H33F7O2 | 006385-15-5 | 90   |
| 4       |            | 1-Heneicosyl formate                | 340              | C22H44O2   | 077899-03-7 | 90   |
| 5       |            | Pentafluoropropionic acid, penta... | 374              | C18H31F5O2 | 959092-08-1 | 90   |



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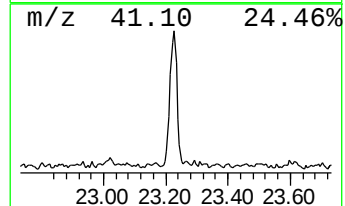
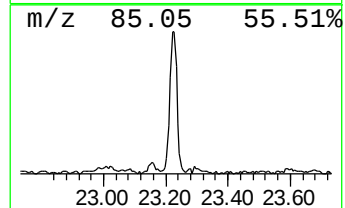
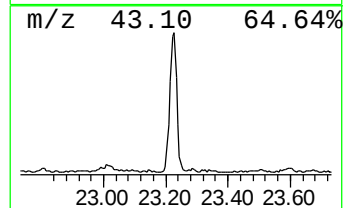
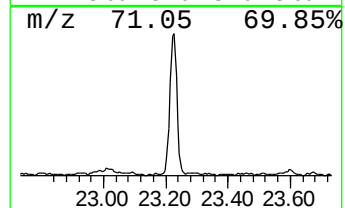
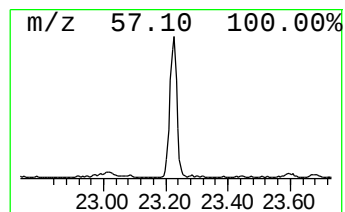
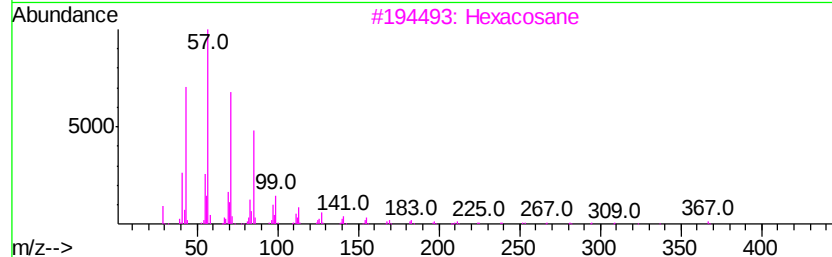
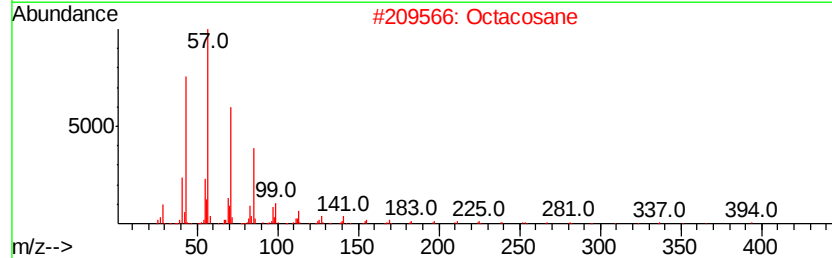
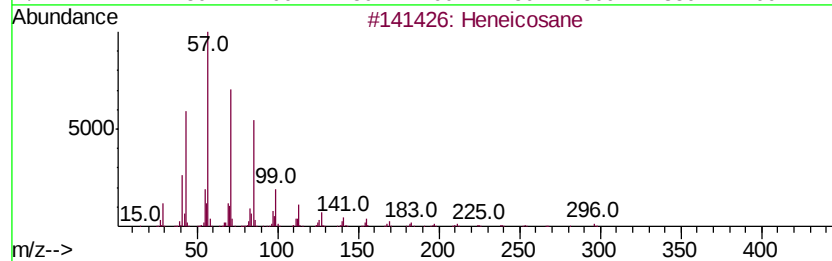
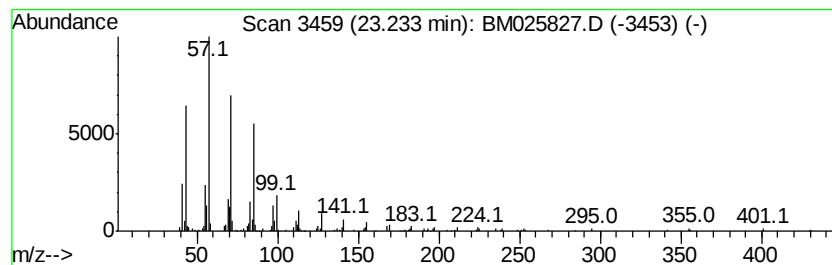
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.23 | 2.37 ng/ul | 495284 | Perylene-d12     | 23.29 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------|-----|---------|--------------|------|
| 1    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7  | 90   |
| 2    |    |   | Octacosane            | 394 | C28H58  | 000630-02-4  | 90   |
| 3    |    |   | Hexacosane            | 366 | C26H54  | 000630-01-3  | 90   |
| 4    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 90   |
| 5    |    |   | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 90   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Heptadecyl heptaf... | 20.89 | 2.2     | ng/ul | 417844   | 5                     | 21.14 | 3844400 | 20.0 |
| (DEL) Alkane: Str... | 23.23 | 2.4     | ng/ul | 495284   | 6                     | 23.29 | 4178610 | 20.0 |