

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072919\  
 Data File : BM021719.D  
 Acq On : 30 Jul 2019 06:41  
 Operator : HP/JU  
 Sample : K3863-01  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A52F6

## 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         | 6.851       | 652           | 657         | 670          | rVB      | 560289         | 948044        | 24.12%          | 2.214%        |
| 2         | 7.028       | 682           | 687         | 697          | rVB      | 429990         | 700644        | 17.82%          | 1.637%        |
| 3         | 7.210       | 712           | 718         | 727          | rVB      | 648130         | 1020834       | 25.97%          | 2.384%        |
| 4         | 7.675       | 791           | 797         | 805          | rVB      | 646308         | 1015926       | 25.85%          | 2.373%        |
| 5         | 8.387       | 912           | 918         | 929          | rVB      | 697529         | 1166286       | 29.67%          | 2.724%        |
| 6         | 8.839       | 989           | 995         | 1003         | rBV      | 631514         | 1017066       | 25.87%          | 2.376%        |
| 7         | 9.551       | 1110          | 1116        | 1130         | rVB      | 503691         | 847778        | 21.57%          | 1.980%        |
| 8         | 10.086      | 1200          | 1207        | 1224         | rBV      | 786902         | 1409653       | 35.86%          | 3.293%        |
| 9         | 10.457      | 1263          | 1270        | 1277         | rVB      | 947299         | 1533423       | 39.01%          | 3.582%        |
| 10        | 10.616      | 1290          | 1297        | 1318         | rVB      | 579517         | 1170711       | 29.78%          | 2.735%        |
| 11        | 12.057      | 1538          | 1542        | 1549         | rVB3     | 9253           | 16292         | 0.41%           | 0.038%        |
| 12        | 12.916      | 1685          | 1688        | 1694         | rVB3     | 3488           | 4889          | 0.12%           | 0.011%        |
| 13        | 13.280      | 1745          | 1750        | 1757         | rVB3     | 7119           | 12711         | 0.32%           | 0.030%        |
| 14        | 13.739      | 1822          | 1828        | 1833         | rBV      | 1614198        | 2167658       | 55.15%          | 5.063%        |
| 15        | 13.786      | 1833          | 1836        | 1848         | rVB      | 412036         | 564357        | 14.36%          | 1.318%        |
| 16        | 14.016      | 1868          | 1875        | 1889         | rVB      | 1768985        | 2636151       | 67.06%          | 6.157%        |
| 17        | 14.321      | 1919          | 1927        | 1937         | rBV      | 1575677        | 2253527       | 57.33%          | 5.264%        |
| 18        | 14.557      | 1961          | 1967        | 1988         | rBV      | 236984         | 525498        | 13.37%          | 1.227%        |
| 19        | 14.768      | 1998          | 2003        | 2009         | rVB3     | 36529          | 50674         | 1.29%           | 0.118%        |
| 20        | 15.321      | 2090          | 2097        | 2105         | rBV      | 2463000        | 3456494       | 87.93%          | 8.074%        |
| 21        | 15.463      | 2115          | 2121        | 2133         | rBV      | 382136         | 527458        | 13.42%          | 1.232%        |
| 22        | 15.563      | 2133          | 2138        | 2142         | rVB      | 22150          | 28896         | 0.74%           | 0.067%        |
| 23        | 15.692      | 2157          | 2160        | 2169         | rVB4     | 4452           | 8056          | 0.20%           | 0.019%        |
| 24        | 15.839      | 2181          | 2185        | 2188         | rBV2     | 4680           | 5204          | 0.13%           | 0.012%        |
| 25        | 16.033      | 2212          | 2218        | 2221         | rBV3     | 2784           | 4738          | 0.12%           | 0.011%        |
| 26        | 16.104      | 2227          | 2230        | 2235         | rVB      | 6674           | 8188          | 0.21%           | 0.019%        |
| 27        | 16.210      | 2245          | 2248        | 2255         | rBV3     | 2960           | 5928          | 0.15%           | 0.014%        |
| 28        | 16.486      | 2290          | 2295        | 2299         | rBV4     | 3177           | 4719          | 0.12%           | 0.011%        |
| 29        | 16.868      | 2355          | 2360        | 2363         | rVV2     | 5159           | 7266          | 0.18%           | 0.017%        |
| 30        | 17.074      | 2389          | 2395        | 2401         | rBV2     | 1898333        | 2587088       | 65.82%          | 6.043%        |
| 31        | 17.115      | 2401          | 2402        | 2406         | rVV      | 19773          | 16973         | 0.43%           | 0.040%        |
| 32        | 17.174      | 2406          | 2412        | 2424         | rVV      | 2413149        | 3412230       | 86.81%          | 7.970%        |
| 33        | 17.557      | 2473          | 2477        | 2480         | rBV3     | 3506           | 5188          | 0.13%           | 0.012%        |
| 34        | 17.968      | 2542          | 2547        | 2557         | rBV      | 127496         | 205721        | 5.23%           | 0.481%        |

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

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 18.039 | 2557 | 2559 | 2567 | rVB4 | 7492    | 15799   | 0.40%   | 0.037% |
| 36 | 18.251 | 2592 | 2595 | 2596 | rBV2 | 4314    | 4672    | 0.12%   | 0.011% |
| 37 | 18.539 | 2639 | 2644 | 2650 | rBV7 | 16762   | 25858   | 0.66%   | 0.060% |
| 38 | 18.892 | 2700 | 2704 | 2711 | rVB3 | 29524   | 37537   | 0.95%   | 0.088% |
| 39 | 19.109 | 2737 | 2741 | 2743 | rBV  | 27311   | 35345   | 0.90%   | 0.083% |
| 40 | 19.139 | 2743 | 2746 | 2752 | rVB  | 48848   | 64531   | 1.64%   | 0.151% |
| 41 | 19.186 | 2752 | 2754 | 2759 | rVB6 | 8697    | 11999   | 0.31%   | 0.028% |
| 42 | 19.251 | 2761 | 2765 | 2774 | rBV2 | 63052   | 107847  | 2.74%   | 0.252% |
| 43 | 19.362 | 2780 | 2784 | 2789 | rBV  | 16800   | 23119   | 0.59%   | 0.054% |
| 44 | 19.474 | 2797 | 2803 | 2813 | rBV  | 2906793 | 3930788 | 100.00% | 9.181% |
| 45 | 20.009 | 2891 | 2894 | 2901 | rVB  | 82896   | 94597   | 2.41%   | 0.221% |
| 46 | 20.509 | 2976 | 2979 | 2982 | rBV3 | 28926   | 29165   | 0.74%   | 0.068% |
| 47 | 20.974 | 3054 | 3058 | 3068 | rBV  | 191356  | 256213  | 6.52%   | 0.598% |
| 48 | 21.268 | 3103 | 3108 | 3120 | rBV  | 1872955 | 2439994 | 62.07%  | 5.699% |
| 49 | 21.839 | 3202 | 3205 | 3209 | rBV2 | 202747  | 224011  | 5.70%   | 0.523% |
| 50 | 22.797 | 3365 | 3368 | 3373 | rVB  | 349748  | 456592  | 11.62%  | 1.066% |
| 51 | 23.362 | 3457 | 3464 | 3475 | rBV  | 1911611 | 3430849 | 87.28%  | 8.014% |
| 52 | 23.503 | 3482 | 3488 | 3496 | rVB  | 1229377 | 2277244 | 57.93%  | 5.319% |

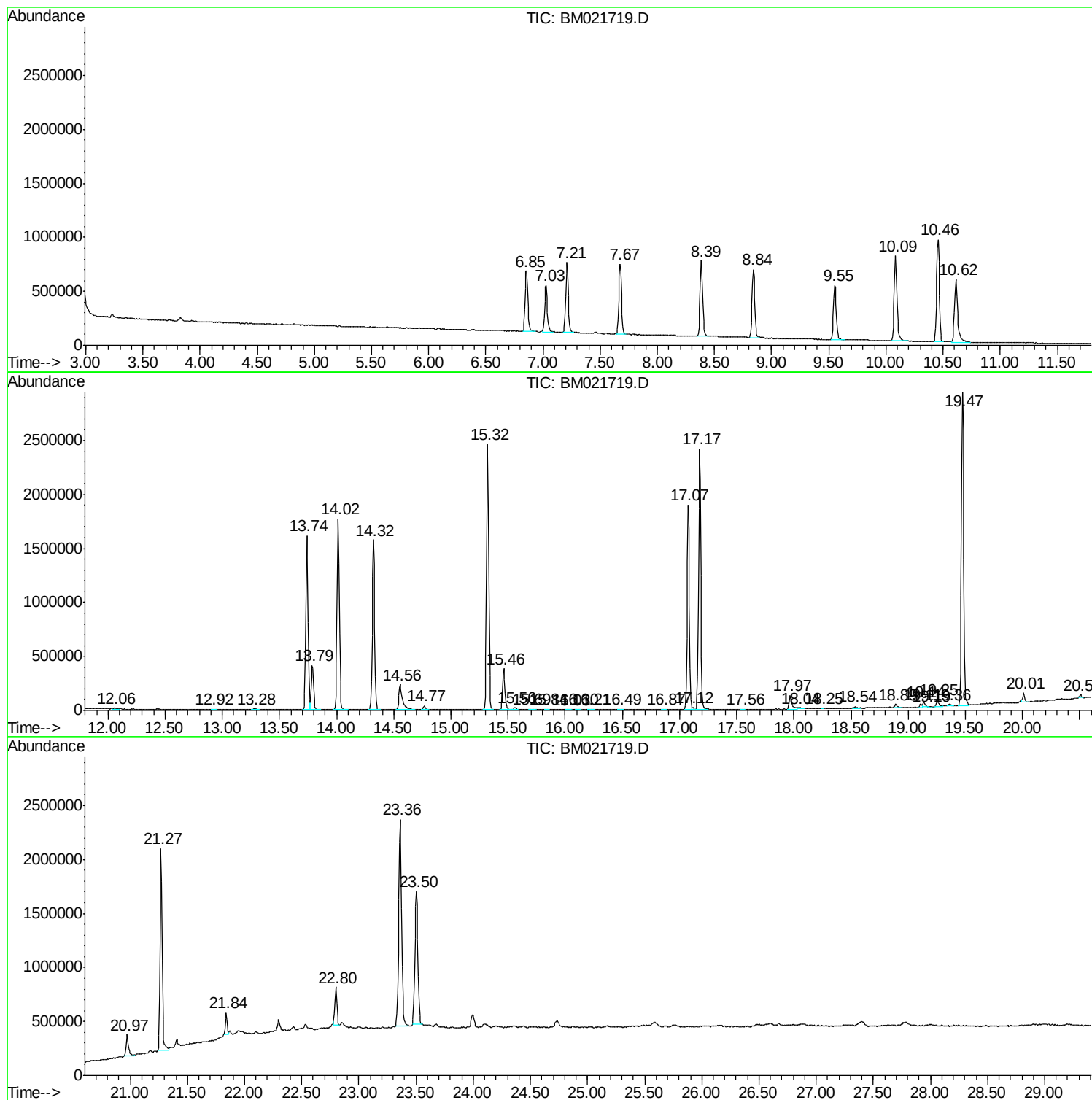
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
Quant Title : SVOA CALIBRATION

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



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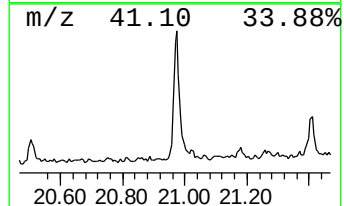
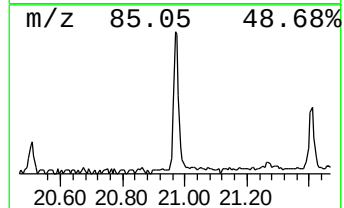
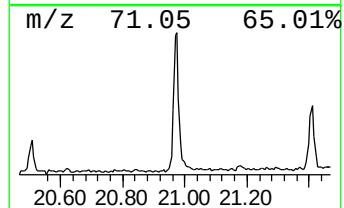
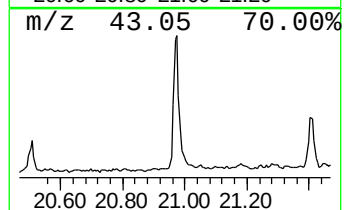
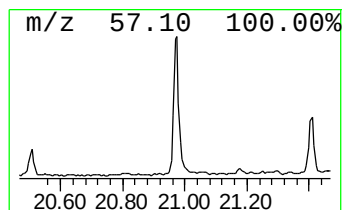
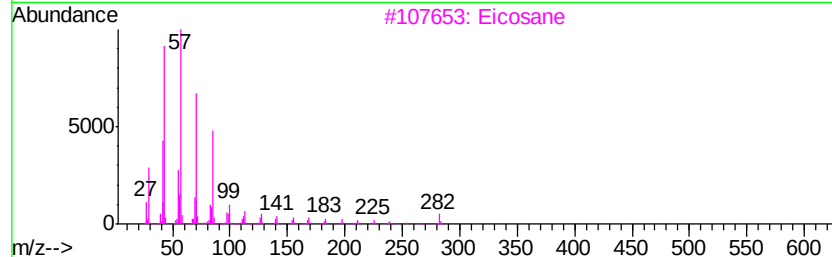
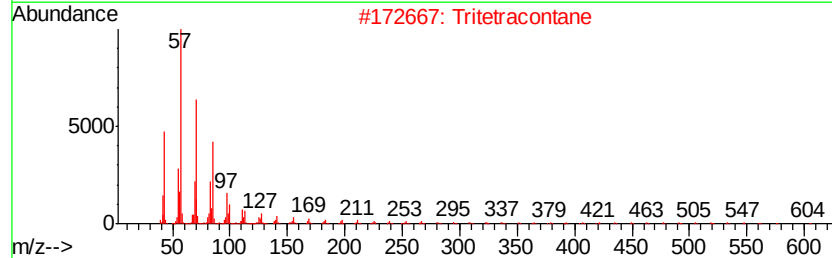
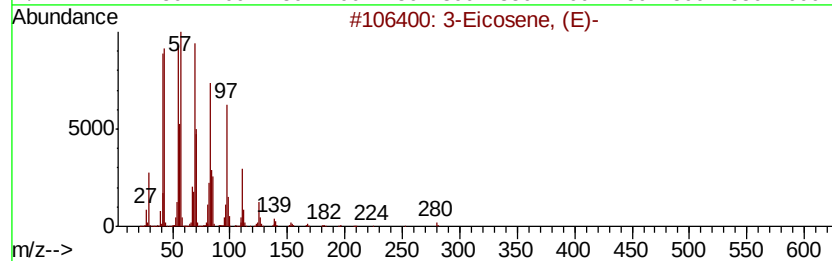
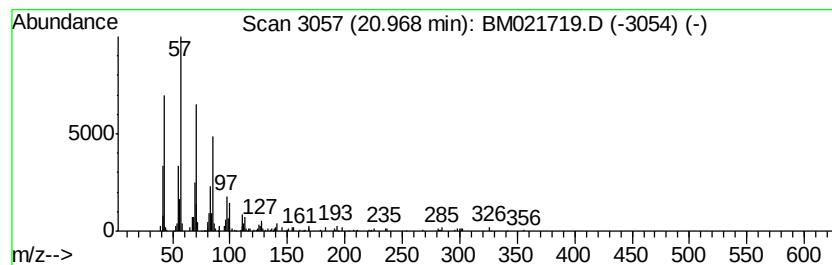
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Cyclic20.97 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.97 | 2.10 ng/ul | 256213 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | 3-Eicosene, (E)- | 280 | C20H40  | 074685-33-9 | 94   |
| 2    |    | Tritetracontane  | 605 | C43H88  | 007098-21-7 | 90   |
| 3    |    | Eicosane         | 282 | C20H42  | 000112-95-8 | 68   |
| 4    |    | Nonadecane       | 268 | C19H40  | 000629-92-5 | 68   |
| 5    |    | 9-Eicosene, (E)- | 280 | C20H40  | 074685-29-3 | 66   |



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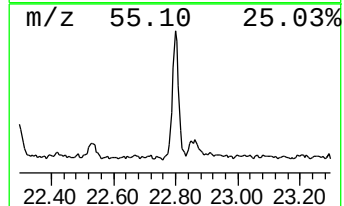
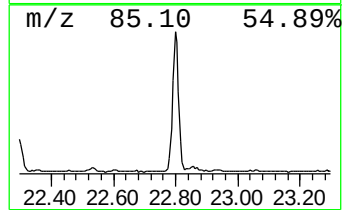
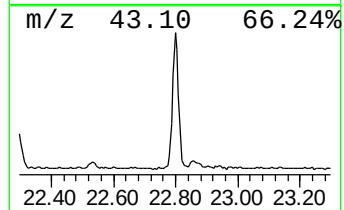
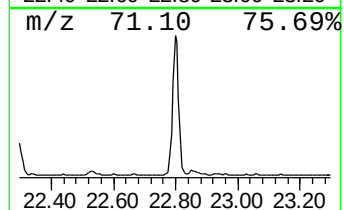
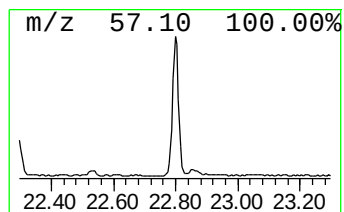
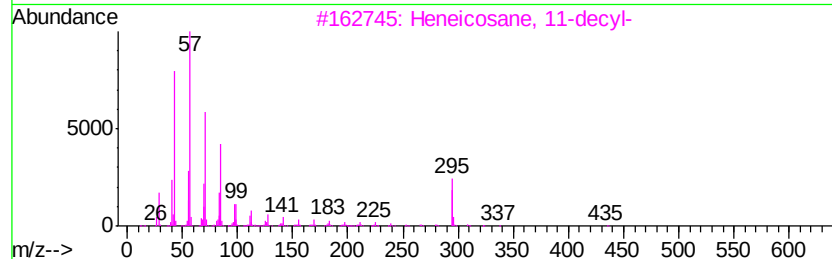
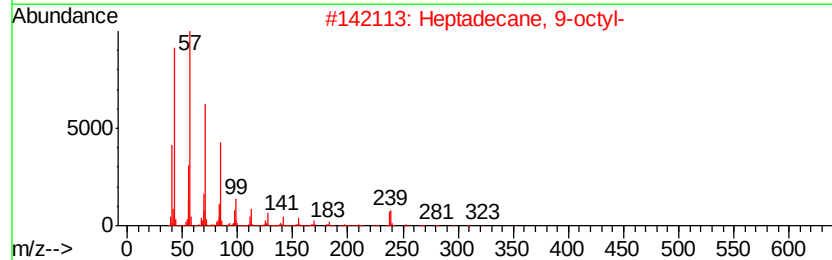
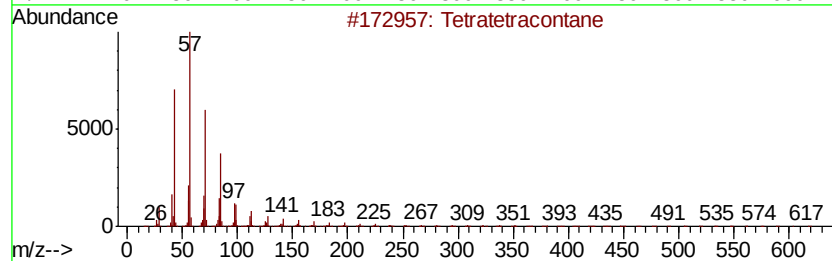
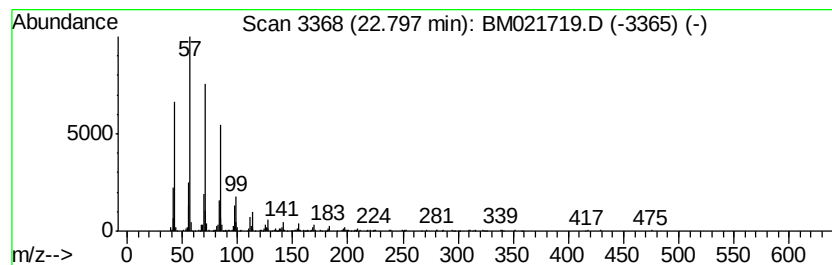
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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.80 | 4.01 ng/ul | 456592 | Perylene-d12     | 23.50 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 91   |
| 2    |    | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 3    |    | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 91   |
| 4    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 5    |    | Nonacosane             | 408 | C29H60  | 000630-03-5 | 91   |



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|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Cyc... | 20.97 | 2.1     | ng/ul | 256213   | 5                     | 21.27 | 2439990 | 20.0 |
| (DEL) Alkane: Str... | 22.80 | 4.0     | ng/ul | 456592   | 6                     | 23.50 | 2277240 | 20.0 |