

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022216\  
 Data File : BM004335.D  
 Acq On : 23 Feb 2016 05:33  
 Operator : SJ/UM  
 Sample : H1499-19  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 0311-S24-0003

## 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:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM022216.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         | 2.740       | 4             | 9           | 19           | rVV      | 51960          | 85841         | 8.46%           | 0.836%        |
| 2         | 2.822       | 19            | 23          | 30           | rVB      | 16639          | 19658         | 1.94%           | 0.191%        |
| 3         | 3.081       | 64            | 67          | 73           | rVB      | 6676           | 7779          | 0.77%           | 0.076%        |
| 4         | 6.810       | 696           | 701         | 716          | rBB      | 123309         | 200718        | 19.79%          | 1.954%        |
| 5         | 6.963       | 721           | 727         | 737          | rBB      | 115553         | 180558        | 17.80%          | 1.757%        |
| 6         | 7.157       | 755           | 760         | 772          | rBB      | 151055         | 235340        | 23.20%          | 2.291%        |
| 7         | 7.622       | 833           | 839         | 847          | rBB      | 124524         | 188604        | 18.60%          | 1.836%        |
| 8         | 8.345       | 956           | 962         | 976          | rBB      | 188426         | 298855        | 29.47%          | 2.909%        |
| 9         | 8.781       | 1030          | 1036        | 1049         | rBB      | 139830         | 226485        | 22.33%          | 2.205%        |
| 10        | 8.945       | 1062          | 1064        | 1073         | rBB      | 1140           | 2774          | 0.27%           | 0.027%        |
| 11        | 9.192       | 1102          | 1106        | 1108         | rBB      | 998            | 1238          | 0.12%           | 0.012%        |
| 12        | 9.504       | 1153          | 1159        | 1168         | rBB      | 122922         | 196473        | 19.37%          | 1.912%        |
| 13        | 10.045      | 1245          | 1251        | 1269         | rBB      | 182525         | 306266        | 30.20%          | 2.981%        |
| 14        | 10.410      | 1306          | 1313        | 1323         | rBB      | 188846         | 315228        | 31.08%          | 3.068%        |
| 15        | 10.557      | 1332          | 1338        | 1361         | rBV      | 190181         | 328613        | 32.40%          | 3.199%        |
| 16        | 12.016      | 1583          | 1586        | 1590         | rBB      | 1592           | 2494          | 0.25%           | 0.024%        |
| 17        | 13.098      | 1767          | 1770        | 1773         | rBB      | 3941           | 4607          | 0.45%           | 0.045%        |
| 18        | 13.175      | 1780          | 1783        | 1787         | rBB2     | 2829           | 4081          | 0.40%           | 0.040%        |
| 19        | 13.698      | 1866          | 1872        | 1876         | rBV      | 403296         | 549011        | 54.13%          | 5.344%        |
| 20        | 13.745      | 1876          | 1880        | 1887         | rVV      | 149356         | 197352        | 19.46%          | 1.921%        |
| 21        | 13.798      | 1887          | 1889        | 1892         | rVB      | 1425           | 1384          | 0.14%           | 0.013%        |
| 22        | 13.974      | 1913          | 1919        | 1935         | rBB      | 450944         | 665352        | 65.60%          | 6.476%        |
| 23        | 14.180      | 1949          | 1954        | 1958         | rBB      | 21526          | 26073         | 2.57%           | 0.254%        |
| 24        | 14.286      | 1964          | 1972        | 1979         | rBB2     | 308797         | 459662        | 45.32%          | 4.474%        |
| 25        | 14.527      | 2008          | 2013        | 2026         | rBV      | 78892          | 152127        | 15.00%          | 1.481%        |
| 26        | 14.627      | 2026          | 2030        | 2036         | rVV3     | 5409           | 13049         | 1.29%           | 0.127%        |
| 27        | 14.680      | 2036          | 2039        | 2043         | rVB      | 3985           | 5078          | 0.50%           | 0.049%        |
| 28        | 14.739      | 2047          | 2049        | 2052         | rVB      | 2735           | 2832          | 0.28%           | 0.028%        |
| 29        | 14.804      | 2053          | 2060        | 2063         | rBB3     | 4872           | 7108          | 0.70%           | 0.069%        |
| 30        | 14.874      | 2068          | 2072        | 2074         | rBB      | 2728           | 3048          | 0.30%           | 0.030%        |
| 31        | 15.086      | 2104          | 2108        | 2112         | rBB      | 6709           | 8403          | 0.83%           | 0.082%        |
| 32        | 15.133      | 2112          | 2116        | 2121         | rBB      | 29638          | 36524         | 3.60%           | 0.356%        |
| 33        | 15.198      | 2122          | 2127        | 2131         | rBV2     | 2001           | 3243          | 0.32%           | 0.032%        |
| 34        | 15.286      | 2135          | 2142        | 2153         | rVB      | 580612         | 847213        | 83.53%          | 8.246%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 35 | 15.427 | 2161 | 2166 | 2178 | rBB  | 139471 | 188881  | 18.62%  | 1.838% |
| 36 | 15.527 | 2179 | 2183 | 2190 | rBV3 | 9549   | 21041   | 2.07%   | 0.205% |
| 37 | 15.586 | 2190 | 2193 | 2197 | rVB  | 2310   | 2898    | 0.29%   | 0.028% |
| 38 | 15.639 | 2198 | 2202 | 2205 | rBB  | 3376   | 3533    | 0.35%   | 0.034% |
| 39 | 15.692 | 2208 | 2211 | 2216 | rBB  | 3746   | 5112    | 0.50%   | 0.050% |
| 40 | 15.757 | 2217 | 2222 | 2226 | rBB2 | 4278   | 5361    | 0.53%   | 0.052% |
| 41 | 15.998 | 2258 | 2263 | 2280 | rBV  | 30438  | 58045   | 5.72%   | 0.565% |
| 42 | 16.116 | 2280 | 2283 | 2287 | rVV  | 1300   | 2181    | 0.22%   | 0.021% |
| 43 | 16.339 | 2318 | 2321 | 2325 | rBV2 | 4028   | 6895    | 0.68%   | 0.067% |
| 44 | 16.404 | 2329 | 2332 | 2338 | rVB  | 2818   | 3428    | 0.34%   | 0.033% |
| 45 | 16.457 | 2339 | 2341 | 2344 | rBB  | 2334   | 2454    | 0.24%   | 0.024% |
| 46 | 16.510 | 2345 | 2350 | 2354 | rBV  | 2957   | 3723    | 0.37%   | 0.036% |
| 47 | 16.574 | 2358 | 2361 | 2364 | rVB  | 2224   | 2335    | 0.23%   | 0.023% |
| 48 | 16.792 | 2393 | 2398 | 2402 | rBV  | 21704  | 26157   | 2.58%   | 0.255% |
| 49 | 16.845 | 2402 | 2407 | 2411 | rVB2 | 6138   | 10188   | 1.00%   | 0.099% |
| 50 | 17.039 | 2434 | 2440 | 2446 | rBV  | 394772 | 544907  | 53.73%  | 5.304% |
| 51 | 17.139 | 2451 | 2457 | 2469 | rVV  | 628350 | 912334  | 89.96%  | 8.880% |
| 52 | 17.215 | 2469 | 2470 | 2476 | rVV  | 1342   | 1652    | 0.16%   | 0.016% |
| 53 | 17.262 | 2476 | 2478 | 2481 | rVB  | 1469   | 1162    | 0.11%   | 0.011% |
| 54 | 17.327 | 2486 | 2489 | 2492 | rBB  | 1237   | 1545    | 0.15%   | 0.015% |
| 55 | 17.421 | 2500 | 2505 | 2513 | rBB  | 22483  | 33726   | 3.33%   | 0.328% |
| 56 | 17.527 | 2519 | 2523 | 2528 | rBB  | 12679  | 14985   | 1.48%   | 0.146% |
| 57 | 18.227 | 2638 | 2642 | 2645 | rBB  | 6042   | 6495    | 0.64%   | 0.063% |
| 58 | 18.362 | 2662 | 2665 | 2667 | rBB  | 1861   | 1169    | 0.12%   | 0.011% |
| 59 | 18.868 | 2748 | 2751 | 2753 | rBB  | 3080   | 3379    | 0.33%   | 0.033% |
| 60 | 19.080 | 2784 | 2787 | 2792 | rBV  | 5297   | 6544    | 0.65%   | 0.064% |
| 61 | 19.333 | 2826 | 2830 | 2835 | rVB  | 4183   | 4764    | 0.47%   | 0.046% |
| 62 | 19.445 | 2843 | 2849 | 2857 | rBV  | 736911 | 1014206 | 100.00% | 9.872% |
| 63 | 20.951 | 3101 | 3105 | 3111 | rBV  | 12433  | 15091   | 1.49%   | 0.147% |
| 64 | 21.250 | 3150 | 3156 | 3169 | rBV  | 386398 | 515032  | 50.78%  | 5.013% |
| 65 | 21.392 | 3177 | 3180 | 3183 | rBV3 | 2251   | 2854    | 0.28%   | 0.028% |
| 66 | 21.815 | 3250 | 3252 | 3256 | rVB2 | 2392   | 1934    | 0.19%   | 0.019% |
| 67 | 22.274 | 3327 | 3330 | 3335 | rBV4 | 4595   | 5885    | 0.58%   | 0.057% |
| 68 | 22.397 | 3348 | 3351 | 3355 | rVB2 | 3608   | 4548    | 0.45%   | 0.044% |
| 69 | 22.739 | 3406 | 3409 | 3411 | rBV3 | 4009   | 4987    | 0.49%   | 0.049% |
| 70 | 22.768 | 3411 | 3414 | 3419 | rVB3 | 8412   | 10475   | 1.03%   | 0.102% |
| 71 | 23.333 | 3502 | 3510 | 3525 | rBV  | 403345 | 749106  | 73.86%  | 7.291% |

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|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 23.474 | 3526 | 3534 | 3548 | rVB  | 223504 | 428972 | 42.30% | 4.175% |
| 73 | 23.956 | 3611 | 3616 | 3622 | rVB  | 10257  | 17176  | 1.69%  | 0.167% |
| 74 | 24.680 | 3734 | 3739 | 3746 | rVB2 | 9469   | 19112  | 1.88%  | 0.186% |
| 75 | 25.533 | 3881 | 3884 | 3890 | rVB2 | 7214   | 12202  | 1.20%  | 0.119% |
| 76 | 26.527 | 4047 | 4053 | 4060 | rBV3 | 6201   | 14206  | 1.40%  | 0.138% |

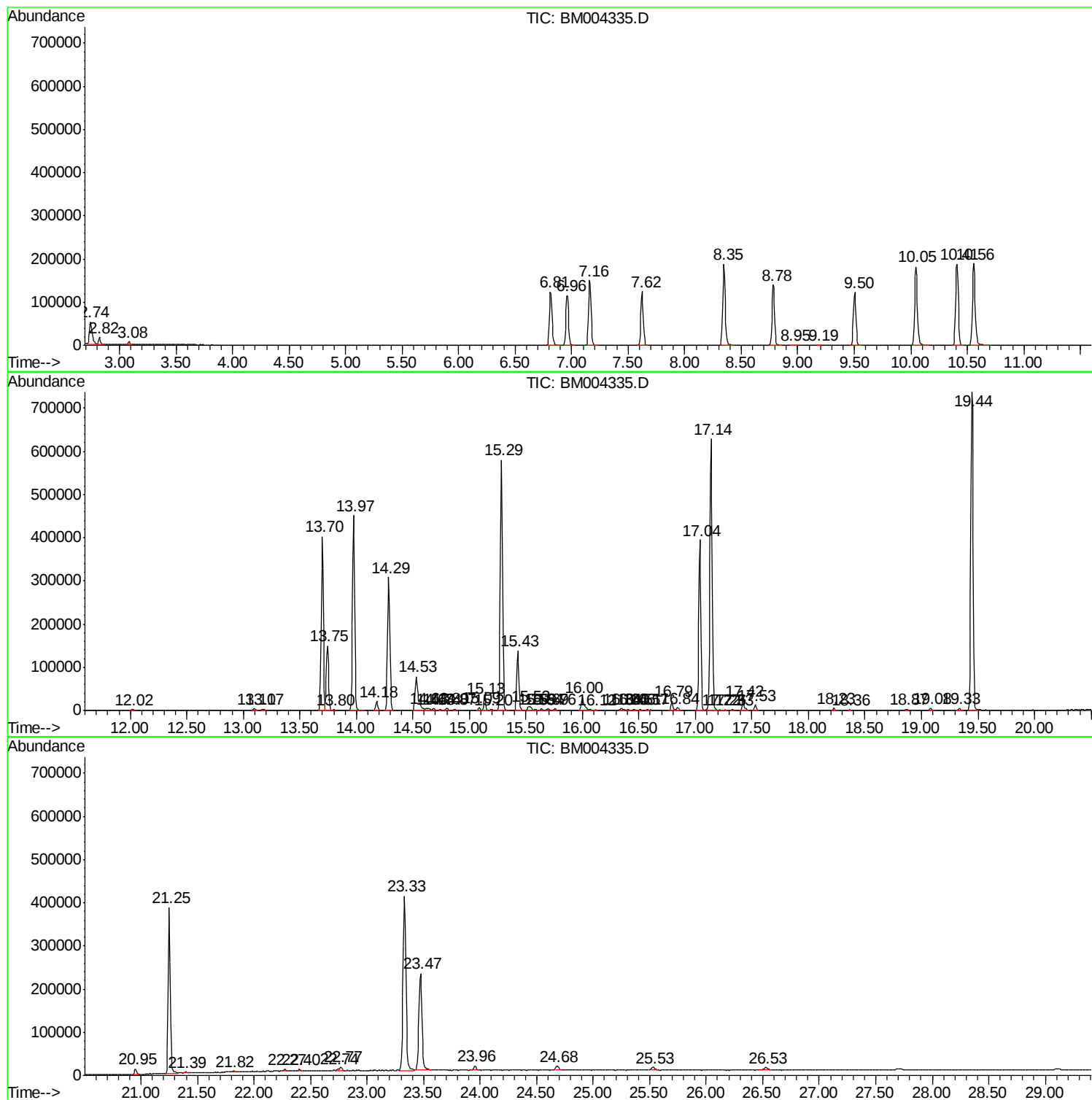
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM022216.M  
Quant Title : SVOA CALIBRATION

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



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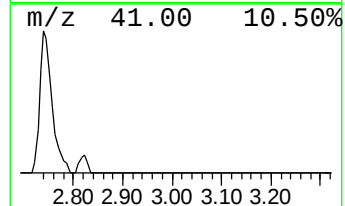
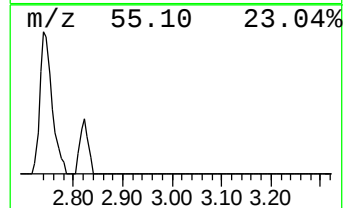
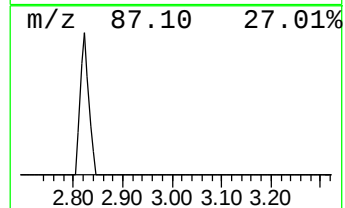
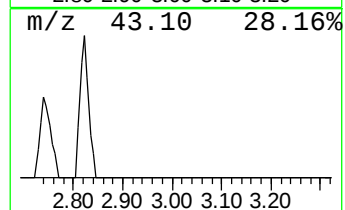
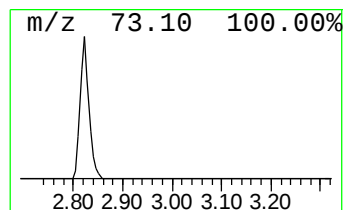
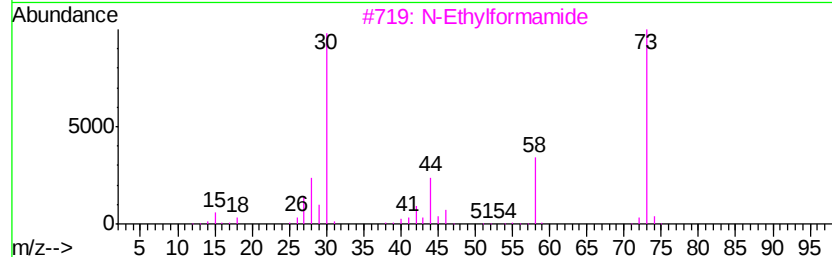
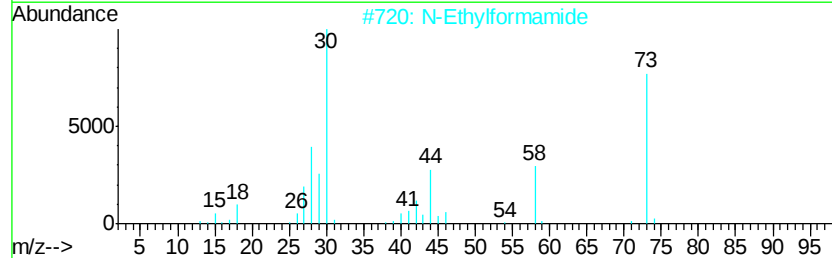
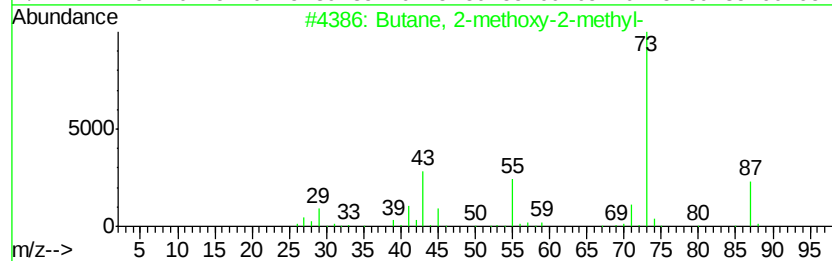
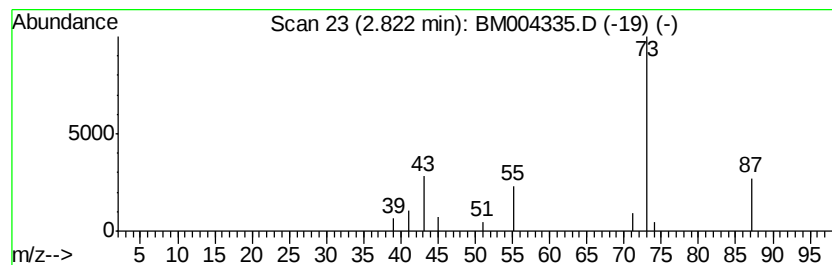
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 2.82 | 2.08 ng/ul | 19658 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 2    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 5    |
| 3    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 4    |
| 4    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 4    |
| 5    |    |   | 1-Butanamine, 3-methyl-     | 87  | C5H13N  | 000107-85-7 | 4    |



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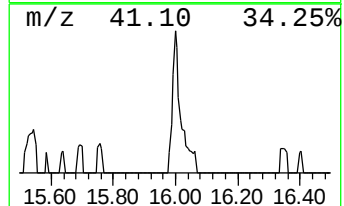
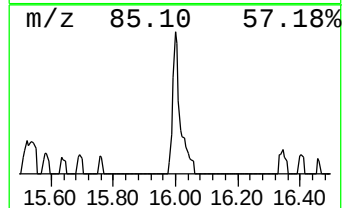
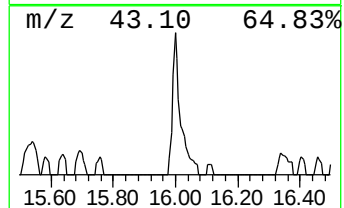
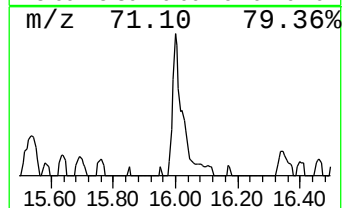
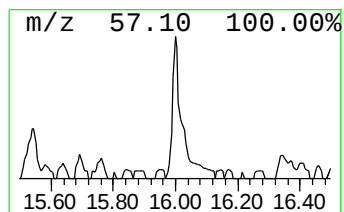
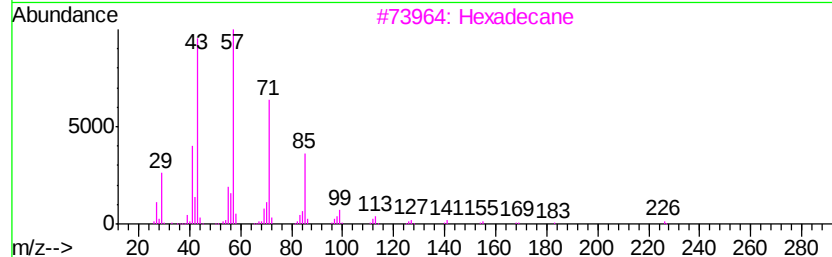
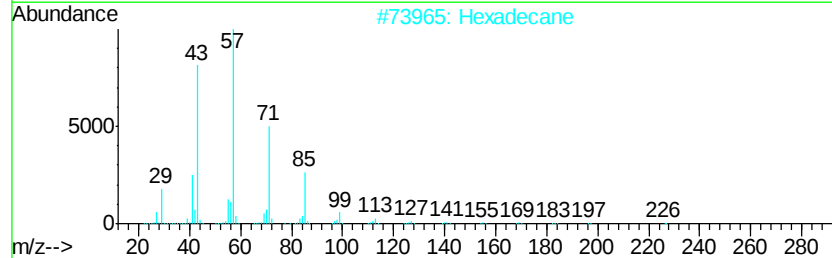
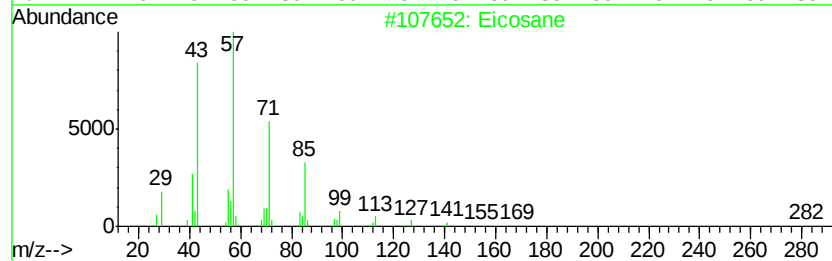
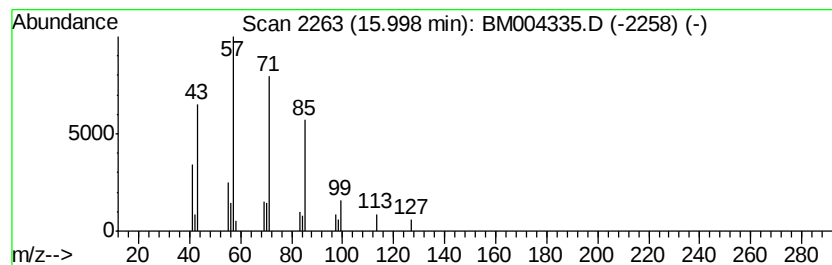
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\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 16.00 | 2.13 ng/ul | 58045 | Phenanthrene-d10 | 17.04 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane     | 282 | C20H42  | 000112-95-8 | 83   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 83   |
| 3    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 78   |
| 4    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 78   |
| 5    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 78   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 2.82  | 2.1     | ng/ul | 19658    | 1                     | 7.62  | 188604 | 20.0 |
| (DEL) Alkane: Str... | 16.00 | 2.1     | ng/ul | 58045    | 4                     | 17.04 | 544907 | 20.0 |