

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022420\  
 Data File : BP001876.D  
 Acq On : 24 Feb 2020 23:57  
 Operator : CG/JU  
 Sample : L1542-02  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBD38

## 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\_P\METHODS\SOM-EPA-BP021820MA.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      | 2.923    | 3          | 6        | 29        | rVB   | 760826      | 1167152    | 7.43%        | 0.889%     |
| 2      | 3.170    | 44         | 48       | 59        | rVB   | 123595      | 189307     | 1.20%        | 0.144%     |
| 3      | 3.899    | 169        | 172      | 179       | rVB   | 15945       | 23458      | 0.15%        | 0.018%     |
| 4      | 4.799    | 320        | 325      | 332       | rVB   | 30033       | 48222      | 0.31%        | 0.037%     |
| 5      | 6.834    | 663        | 671      | 684       | rBV   | 2237270     | 3764574    | 23.96%       | 2.866%     |
| 6      | 6.993    | 691        | 698      | 715       | rBV   | 1914806     | 2953477    | 18.80%       | 2.249%     |
| 7      | 7.187    | 724        | 731      | 743       | rBV   | 2651638     | 4172522    | 26.55%       | 3.177%     |
| 8      | 7.275    | 743        | 746      | 755       | rVB5  | 9839        | 19739      | 0.13%        | 0.015%     |
| 9      | 7.652    | 801        | 810      | 819       | rBV   | 1535606     | 2377150    | 15.13%       | 1.810%     |
| 10     | 7.728    | 819        | 823      | 829       | rVB   | 13255       | 22251      | 0.14%        | 0.017%     |
| 11     | 8.358    | 919        | 930      | 943       | rBV   | 3137535     | 4963327    | 31.59%       | 3.779%     |
| 12     | 8.793    | 996        | 1004     | 1020      | rBV   | 2316063     | 3870025    | 24.63%       | 2.947%     |
| 13     | 8.981    | 1032       | 1036     | 1040      | rVB4  | 12158       | 16779      | 0.11%        | 0.013%     |
| 14     | 9.287    | 1082       | 1088     | 1093      | rVB2  | 61183       | 91580      | 0.58%        | 0.070%     |
| 15     | 9.511    | 1117       | 1126     | 1135      | rBV   | 2005550     | 3254090    | 20.71%       | 2.478%     |
| 16     | 10.052   | 1210       | 1218     | 1234      | rBV   | 3220827     | 5428087    | 34.54%       | 4.133%     |
| 17     | 10.422   | 1274       | 1281     | 1290      | rBV   | 1565798     | 2638449    | 16.79%       | 2.009%     |
| 18     | 10.557   | 1296       | 1304     | 1320      | rBV   | 2312733     | 3928264    | 25.00%       | 2.991%     |
| 19     | 12.016   | 1547       | 1552     | 1562      | rBV2  | 42673       | 74656      | 0.48%        | 0.057%     |
| 20     | 13.210   | 1750       | 1755     | 1759      | rBV   | 34654       | 54090      | 0.34%        | 0.041%     |
| 21     | 13.304   | 1767       | 1771     | 1778      | rVB   | 30856       | 42838      | 0.27%        | 0.033%     |
| 22     | 13.704   | 1832       | 1839     | 1843      | rBV   | 4144930     | 5772222    | 36.73%       | 4.395%     |
| 23     | 13.751   | 1843       | 1847     | 1854      | rVB   | 364705      | 510813     | 3.25%        | 0.389%     |
| 24     | 13.975   | 1874       | 1885     | 1897      | rBV   | 4875354     | 7469077    | 47.53%       | 5.687%     |
| 25     | 14.287   | 1931       | 1938     | 1946      | rBV   | 2499762     | 3700654    | 23.55%       | 2.818%     |
| 26     | 14.487   | 1965       | 1972     | 1993      | rBV   | 1863860     | 2692485    | 17.13%       | 2.050%     |
| 27     | 14.710   | 2006       | 2010     | 2016      | rBV2  | 27372       | 42517      | 0.27%        | 0.032%     |
| 28     | 14.822   | 2023       | 2029     | 2042      | rVB   | 82250       | 167530     | 1.07%        | 0.128%     |
| 29     | 15.287   | 2101       | 2108     | 2116      | rBV   | 6474066     | 9128849    | 58.10%       | 6.951%     |
| 30     | 15.404   | 2122       | 2128     | 2142      | rBV   | 1472173     | 2066584    | 13.15%       | 1.574%     |
| 31     | 15.528   | 2144       | 2149     | 2155      | rVB   | 86340       | 121951     | 0.78%        | 0.093%     |
| 32     | 15.675   | 2170       | 2174     | 2181      | rVB   | 50553       | 67879      | 0.43%        | 0.052%     |
| 33     | 16.075   | 2238       | 2242     | 2251      | rVB2  | 31320       | 51103      | 0.33%        | 0.039%     |
| 34     | 16.310   | 2278       | 2282     | 2286      | rVB2  | 19878       | 25308      | 0.16%        | 0.019%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 35 | 16.722 | 2349 | 2352 | 2358 | rVB7 | 17662    | 24702    | 0.16%   | 0.019%  |
| 36 | 16.828 | 2367 | 2370 | 2382 | rVB2 | 14864    | 35939    | 0.23%   | 0.027%  |
| 37 | 17.040 | 2400 | 2406 | 2416 | rBV  | 3348178  | 4629745  | 29.46%  | 3.525%  |
| 38 | 17.140 | 2416 | 2423 | 2434 | rBV2 | 6831390  | 9780041  | 62.24%  | 7.447%  |
| 39 | 17.245 | 2437 | 2441 | 2443 | rBV5 | 16002    | 20330    | 0.13%   | 0.015%  |
| 40 | 17.281 | 2443 | 2447 | 2455 | rVB2 | 38985    | 69651    | 0.44%   | 0.053%  |
| 41 | 17.457 | 2472 | 2477 | 2487 | rBV  | 150887   | 212280   | 1.35%   | 0.162%  |
| 42 | 17.904 | 2549 | 2553 | 2558 | rBV6 | 31686    | 56541    | 0.36%   | 0.043%  |
| 43 | 17.963 | 2558 | 2563 | 2570 | rBV  | 472900   | 683872   | 4.35%   | 0.521%  |
| 44 | 18.134 | 2590 | 2592 | 2600 | rVB  | 19323    | 26405    | 0.17%   | 0.020%  |
| 45 | 18.251 | 2608 | 2612 | 2620 | rVB2 | 58549    | 88912    | 0.57%   | 0.068%  |
| 46 | 18.381 | 2630 | 2634 | 2643 | rBV2 | 83755    | 116119   | 0.74%   | 0.088%  |
| 47 | 18.651 | 2677 | 2680 | 2686 | rBV7 | 23241    | 64445    | 0.41%   | 0.049%  |
| 48 | 18.798 | 2702 | 2705 | 2709 | rVB5 | 26209    | 36137    | 0.23%   | 0.028%  |
| 49 | 18.922 | 2723 | 2726 | 2730 | rBV  | 19062    | 26812    | 0.17%   | 0.020%  |
| 50 | 19.028 | 2740 | 2744 | 2748 | rBV  | 130239   | 174303   | 1.11%   | 0.133%  |
| 51 | 19.198 | 2770 | 2773 | 2778 | rBV4 | 78755    | 118668   | 0.76%   | 0.090%  |
| 52 | 19.275 | 2782 | 2786 | 2791 | rVB  | 101408   | 141727   | 0.90%   | 0.108%  |
| 53 | 19.386 | 2799 | 2805 | 2816 | rVB  | 11555183 | 15713385 | 100.00% | 11.964% |
| 54 | 20.869 | 3053 | 3057 | 3077 | rBV  | 1515196  | 2026816  | 12.90%  | 1.543%  |
| 55 | 21.133 | 3096 | 3102 | 3111 | rBV  | 4673381  | 5780290  | 36.79%  | 4.401%  |
| 56 | 21.245 | 3117 | 3121 | 3128 | rBV  | 197891   | 300305   | 1.91%   | 0.229%  |
| 57 | 21.310 | 3129 | 3132 | 3140 | rVB  | 136155   | 171930   | 1.09%   | 0.131%  |
| 58 | 21.745 | 3202 | 3206 | 3214 | rVB2 | 224175   | 333322   | 2.12%   | 0.254%  |
| 59 | 22.204 | 3281 | 3284 | 3288 | rBV  | 233103   | 285889   | 1.82%   | 0.218%  |
| 60 | 22.716 | 3366 | 3371 | 3376 | rBV  | 309040   | 444189   | 2.83%   | 0.338%  |
| 61 | 23.210 | 3447 | 3455 | 3463 | rVV  | 6460228  | 12057028 | 76.73%  | 9.180%  |
| 62 | 23.286 | 3463 | 3468 | 3472 | rVV  | 291978   | 500455   | 3.18%   | 0.381%  |
| 63 | 23.345 | 3472 | 3478 | 3490 | rVB  | 2978960  | 5446041  | 34.66%  | 4.147%  |
| 64 | 23.939 | 3573 | 3579 | 3585 | rBV  | 241418   | 478859   | 3.05%   | 0.365%  |
| 65 | 24.010 | 3586 | 3591 | 3601 | rVB  | 242045   | 502701   | 3.20%   | 0.383%  |
| 66 | 25.921 | 3914 | 3916 | 3918 | rBV2 | 66330    | 69518    | 0.44%   | 0.053%  |

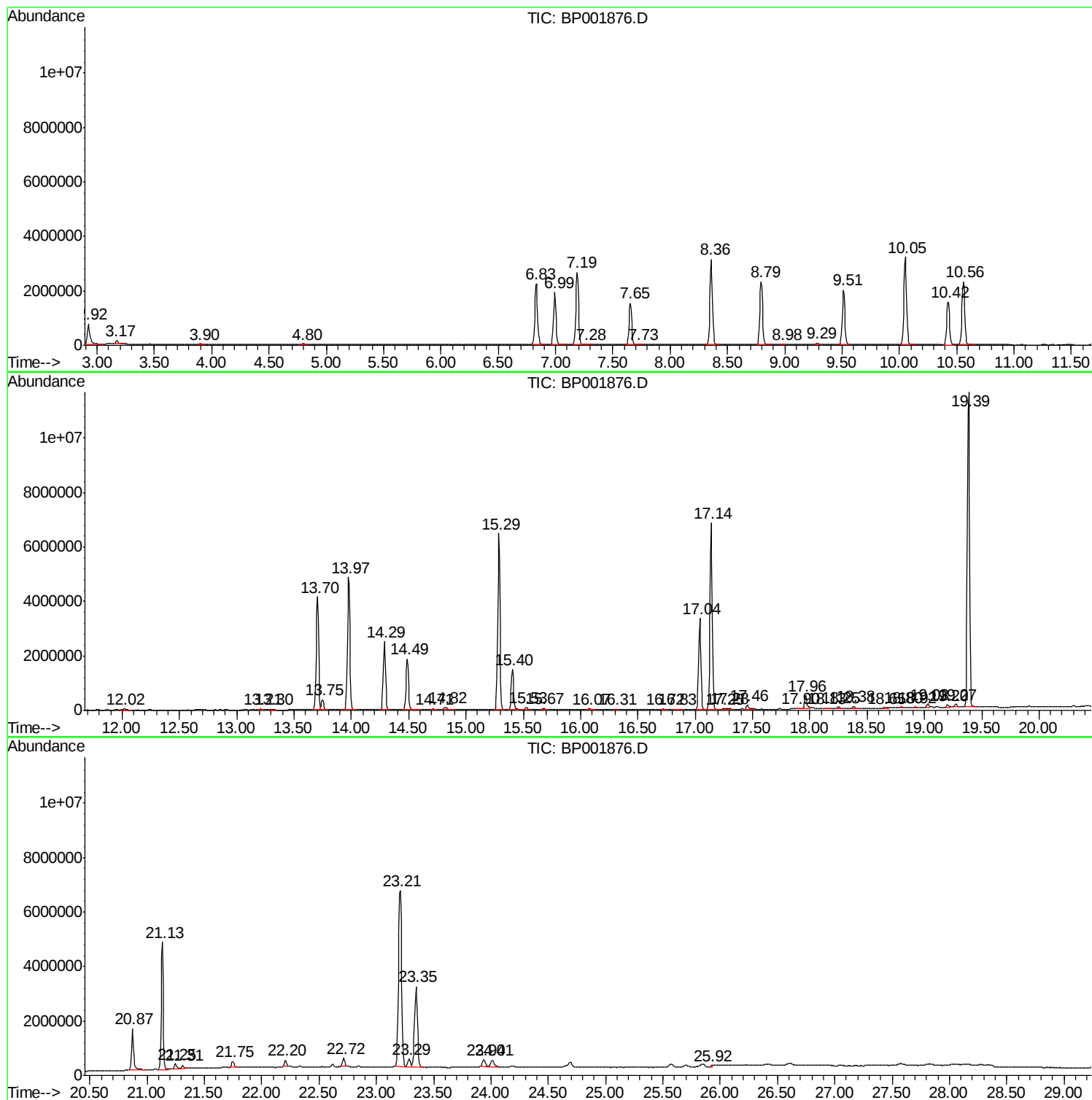
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP021820MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

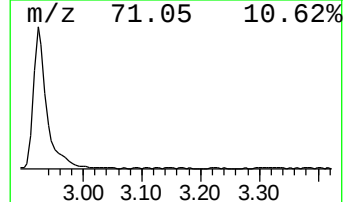
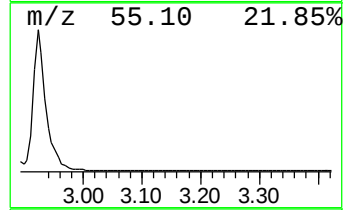
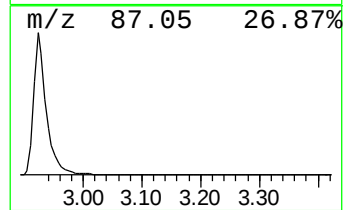
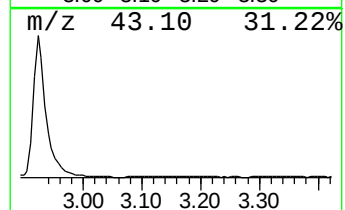
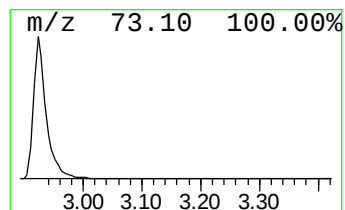
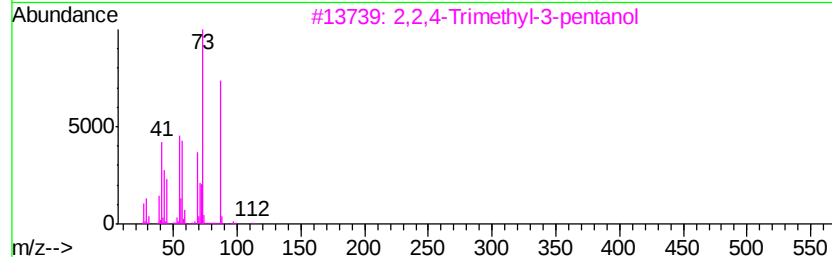
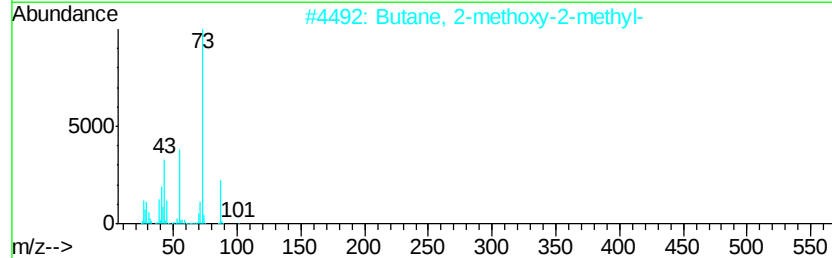
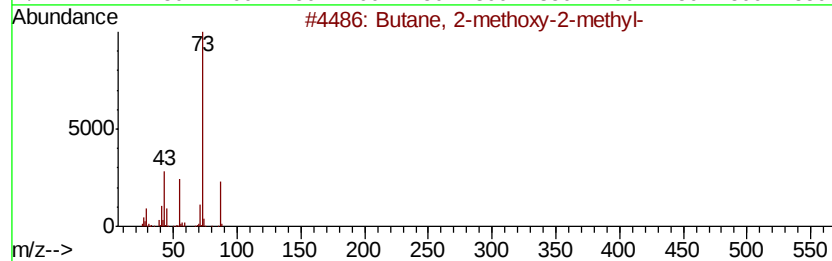
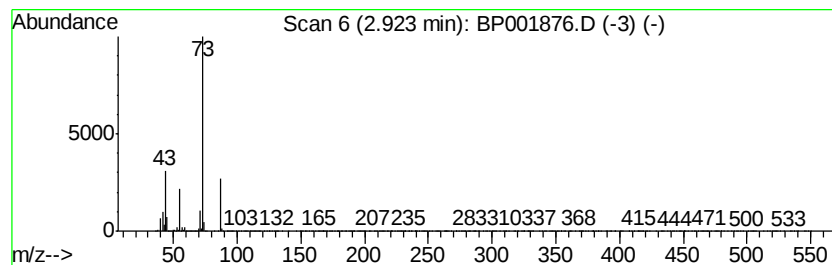
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc    | Area    | Relative to ISTD       | R.T. |
|------|------------|---------|------------------------|------|
| 2.92 | 9.82 ng/ul | 1167150 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 90   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 43   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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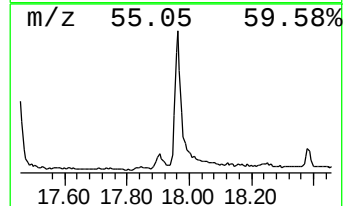
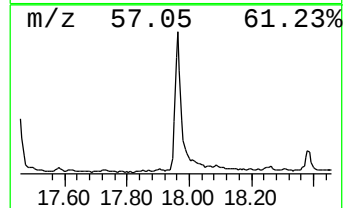
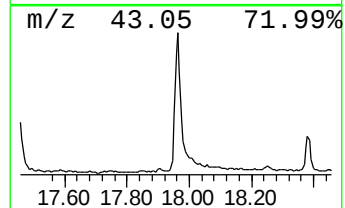
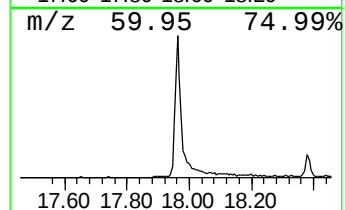
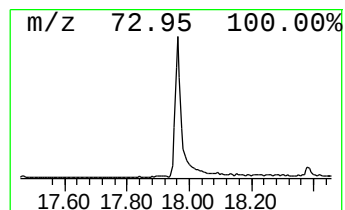
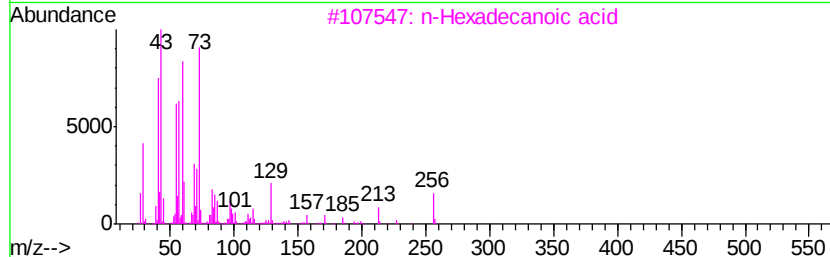
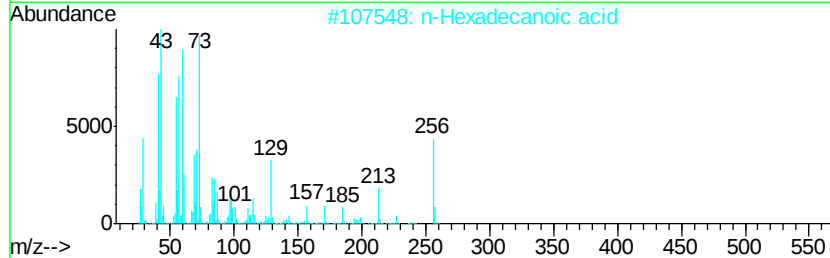
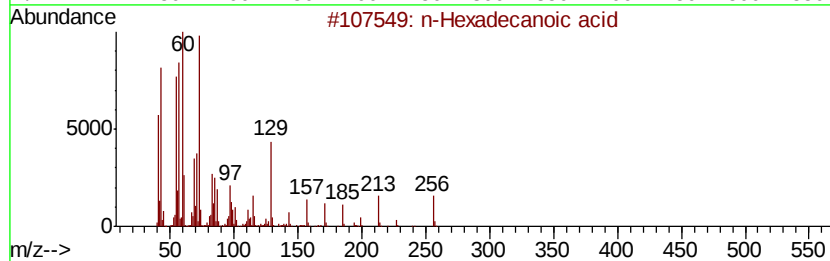
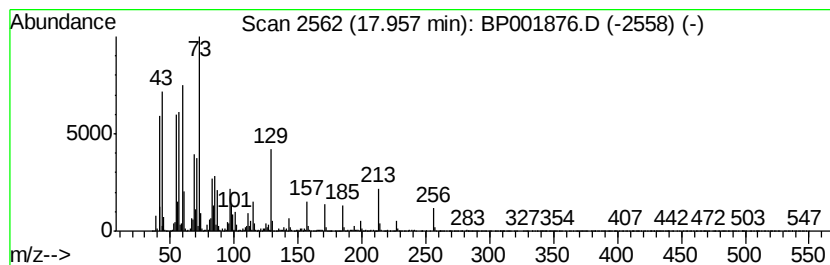
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD |  | R.T.  |
|-------|------------|--------|------------------|--|-------|
| 17.96 | 2.95 ng/ul | 683872 | Phenanthrene-d10 |  | 17.04 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 89   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 89   |



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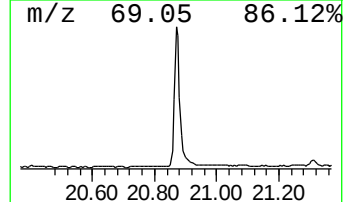
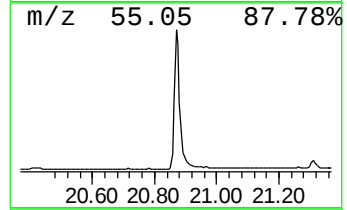
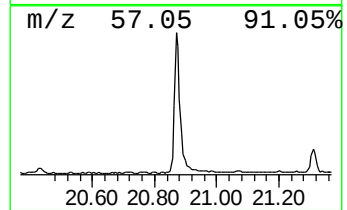
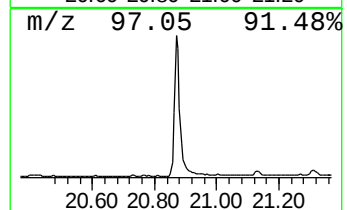
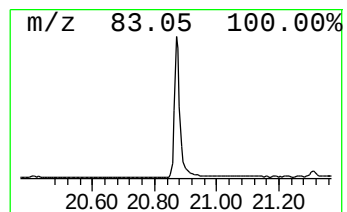
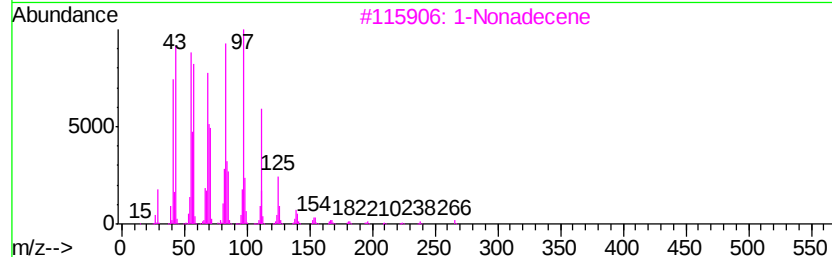
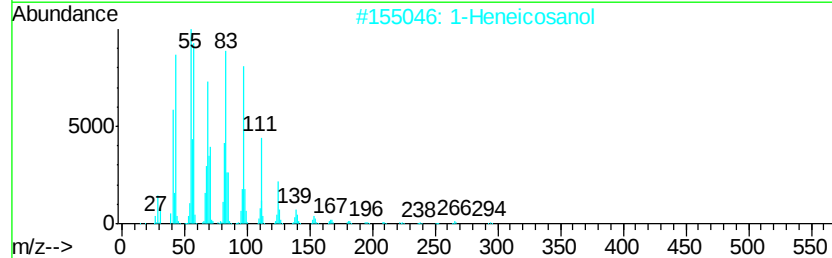
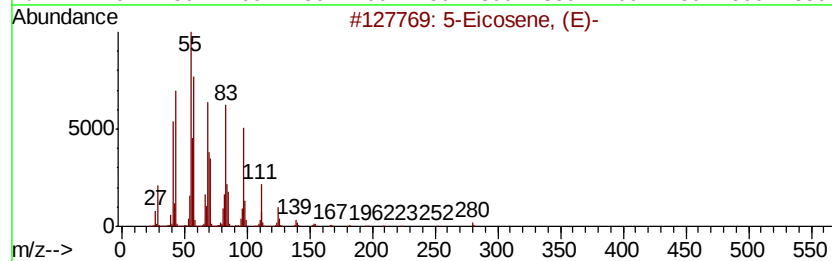
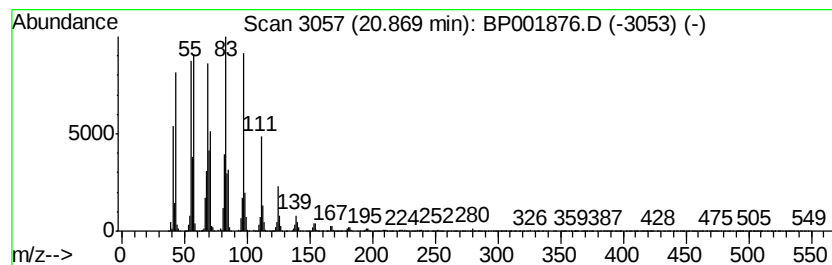
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.87 | 7.01 ng/ul | 2026820 | Chrysene-d12     | 21.13 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | 5-Eicosene, (E)- | 280 | C20H40  | 074685-30-6 | 99   |
| 2    |    | 1-Heneicosanol   | 312 | C21H44O | 015594-90-8 | 94   |
| 3    |    | 1-Nonadecene     | 266 | C19H38  | 018435-45-5 | 94   |
| 4    |    | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94   |
| 5    |    | n-Nonadecanol-1  | 284 | C19H40O | 001454-84-8 | 94   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.92  | 9.8     | ng/ul | 1167150  | 1                     | 7.65  | 2377150 | 20.0 |
| n-Hexadecanoic acid  | 17.96 | 3.0     | ng/ul | 683872   | 4                     | 17.04 | 4629750 | 20.0 |
| (DEL) Alkane: Str... | 20.87 | 7.0     | ng/ul | 2026820  | 5                     | 21.13 | 5780290 | 20.0 |