

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040921\  
 Data File : BM029438.D  
 Acq On : 09 Apr 2021 19:14  
 Operator : CG/JU  
 Sample : M1881-19  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ESQG3

## 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-BM040721MA.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         | 2.934       | 3             | 8           | 20           | rBV      | 3191361        | 3914677       | 100.00%         | 20.293%       |
| 2         | 3.022       | 20            | 23          | 33           | rVB      | 33226          | 59734         | 1.53%           | 0.310%        |
| 3         | 3.193       | 50            | 52          | 60           | rVB2     | 16204          | 22891         | 0.58%           | 0.119%        |
| 4         | 3.828       | 155           | 160         | 170          | rVB      | 25145          | 44183         | 1.13%           | 0.229%        |
| 5         | 3.922       | 172           | 176         | 179          | rVB2     | 8735           | 11989         | 0.31%           | 0.062%        |
| 6         | 4.287       | 234           | 238         | 243          | rVB7     | 3958           | 7359          | 0.19%           | 0.038%        |
| 7         | 4.828       | 324           | 330         | 341          | rBV      | 20560          | 45977         | 1.17%           | 0.238%        |
| 8         | 4.904       | 341           | 343         | 349          | rVB5     | 4516           | 7215          | 0.18%           | 0.037%        |
| 9         | 6.687       | 643           | 646         | 651          | rVB6     | 4090           | 6688          | 0.17%           | 0.035%        |
| 10        | 6.857       | 668           | 675         | 689          | rVB2     | 190939         | 359024        | 9.17%           | 1.861%        |
| 11        | 7.028       | 697           | 704         | 718          | rBV      | 184372         | 312301        | 7.98%           | 1.619%        |
| 12        | 7.222       | 730           | 737         | 747          | rVV      | 245604         | 392184        | 10.02%          | 2.033%        |
| 13        | 7.322       | 749           | 754         | 761          | rVB8     | 5796           | 9778          | 0.25%           | 0.051%        |
| 14        | 7.687       | 809           | 816         | 825          | rBV      | 409593         | 642883        | 16.42%          | 3.333%        |
| 15        | 7.757       | 825           | 828         | 834          | rVB4     | 5887           | 9216          | 0.24%           | 0.048%        |
| 16        | 8.392       | 927           | 936         | 947          | rBV      | 182926         | 317617        | 8.11%           | 1.646%        |
| 17        | 8.510       | 950           | 956         | 962          | rVV2     | 11824          | 19885         | 0.51%           | 0.103%        |
| 18        | 8.839       | 1005          | 1012        | 1022         | rBV      | 238031         | 396759        | 10.14%          | 2.057%        |
| 19        | 9.028       | 1041          | 1044        | 1050         | rVB6     | 2909           | 4612          | 0.12%           | 0.024%        |
| 20        | 9.275       | 1080          | 1086        | 1089         | rBV6     | 4036           | 6775          | 0.17%           | 0.035%        |
| 21        | 9.557       | 1126          | 1134        | 1145         | rBV      | 197165         | 328404        | 8.39%           | 1.702%        |
| 22        | 9.645       | 1145          | 1149        | 1152         | rVB2     | 3504           | 4305          | 0.11%           | 0.022%        |
| 23        | 10.086      | 1216          | 1224        | 1233         | rBV      | 250151         | 433666        | 11.08%          | 2.248%        |
| 24        | 10.469      | 1281          | 1289        | 1297         | rBV      | 499711         | 836913        | 21.38%          | 4.338%        |
| 25        | 10.604      | 1305          | 1312        | 1324         | rBV      | 214273         | 396772        | 10.14%          | 2.057%        |
| 26        | 11.404      | 1442          | 1448        | 1451         | rVB6     | 2917           | 5755          | 0.15%           | 0.030%        |
| 27        | 11.504      | 1459          | 1465        | 1472         | rVB5     | 5469           | 9682          | 0.25%           | 0.050%        |
| 28        | 11.904      | 1529          | 1533        | 1540         | rVB7     | 5148           | 9177          | 0.23%           | 0.048%        |
| 29        | 12.057      | 1555          | 1559        | 1563         | rBV3     | 4466           | 7138          | 0.18%           | 0.037%        |
| 30        | 12.133      | 1566          | 1572        | 1576         | rVV5     | 2803           | 4367          | 0.11%           | 0.023%        |
| 31        | 12.357      | 1605          | 1610        | 1617         | rVB7     | 3074           | 4951          | 0.13%           | 0.026%        |
| 32        | 12.733      | 1669          | 1674        | 1678         | rVB4     | 2994           | 4602          | 0.12%           | 0.024%        |
| 33        | 12.869      | 1693          | 1697        | 1703         | rVB4     | 7122           | 10679         | 0.27%           | 0.055%        |
| 34        | 12.927      | 1703          | 1707        | 1713         | rBV6     | 2486           | 4763          | 0.12%           | 0.025%        |

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|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 13.157 | 1742 | 1746 | 1751 | rVB5 | 8202   | 12041   | 0.31%  | 0.062% |
| 36 | 13.222 | 1751 | 1757 | 1763 | rBV  | 23530  | 38276   | 0.98%  | 0.198% |
| 37 | 13.645 | 1826 | 1829 | 1833 | rVB2 | 4728   | 5896    | 0.15%  | 0.031% |
| 38 | 13.733 | 1838 | 1844 | 1849 | rVV  | 468175 | 647064  | 16.53% | 3.354% |
| 39 | 13.780 | 1849 | 1852 | 1856 | rVV  | 48631  | 67087   | 1.71%  | 0.348% |
| 40 | 13.822 | 1856 | 1859 | 1863 | rVB2 | 12302  | 15467   | 0.40%  | 0.080% |
| 41 | 13.869 | 1863 | 1867 | 1869 | rBV5 | 2803   | 4552    | 0.12%  | 0.024% |
| 42 | 14.016 | 1883 | 1892 | 1901 | rBV  | 499445 | 746291  | 19.06% | 3.869% |
| 43 | 14.239 | 1924 | 1930 | 1937 | rBV  | 10758  | 13744   | 0.35%  | 0.071% |
| 44 | 14.321 | 1937 | 1944 | 1951 | rBV  | 669099 | 967878  | 24.72% | 5.017% |
| 45 | 14.521 | 1972 | 1978 | 1989 | rBV2 | 70773  | 135856  | 3.47%  | 0.704% |
| 46 | 14.745 | 2009 | 2016 | 2021 | rBV7 | 11047  | 19541   | 0.50%  | 0.101% |
| 47 | 14.851 | 2030 | 2034 | 2040 | rBV6 | 3492   | 7447    | 0.19%  | 0.039% |
| 48 | 15.116 | 2072 | 2079 | 2082 | rBV6 | 4988   | 9477    | 0.24%  | 0.049% |
| 49 | 15.139 | 2082 | 2083 | 2087 | rVV4 | 4121   | 4594    | 0.12%  | 0.024% |
| 50 | 15.186 | 2087 | 2091 | 2095 | rVB3 | 8156   | 10478   | 0.27%  | 0.054% |
| 51 | 15.316 | 2107 | 2113 | 2120 | rBV  | 647518 | 896654  | 22.90% | 4.648% |
| 52 | 15.433 | 2127 | 2133 | 2143 | rBV  | 81519  | 127151  | 3.25%  | 0.659% |
| 53 | 15.557 | 2150 | 2154 | 2157 | rBV3 | 6789   | 9459    | 0.24%  | 0.049% |
| 54 | 15.592 | 2157 | 2160 | 2165 | rVB5 | 11410  | 16545   | 0.42%  | 0.086% |
| 55 | 15.810 | 2190 | 2197 | 2204 | rVB5 | 5731   | 11896   | 0.30%  | 0.062% |
| 56 | 16.074 | 2233 | 2242 | 2247 | rBV  | 50148  | 88233   | 2.25%  | 0.457% |
| 57 | 16.310 | 2278 | 2282 | 2288 | rVB4 | 6229   | 8260    | 0.21%  | 0.043% |
| 58 | 16.468 | 2303 | 2309 | 2314 | rBV6 | 3486   | 7691    | 0.20%  | 0.040% |
| 59 | 16.615 | 2328 | 2334 | 2336 | rBV6 | 8520   | 12828   | 0.33%  | 0.066% |
| 60 | 16.727 | 2350 | 2353 | 2358 | rVB4 | 2930   | 4570    | 0.12%  | 0.024% |
| 61 | 16.804 | 2360 | 2366 | 2369 | rBV7 | 7105   | 15072   | 0.39%  | 0.078% |
| 62 | 16.845 | 2369 | 2373 | 2376 | rVV4 | 10053  | 15370   | 0.39%  | 0.080% |
| 63 | 16.886 | 2378 | 2380 | 2390 | rVB6 | 9163   | 15747   | 0.40%  | 0.082% |
| 64 | 16.974 | 2390 | 2395 | 2396 | rBV4 | 3405   | 4801    | 0.12%  | 0.025% |
| 65 | 17.062 | 2404 | 2410 | 2416 | rBV  | 737247 | 1019376 | 26.04% | 5.284% |
| 66 | 17.162 | 2420 | 2427 | 2434 | rVV  | 655627 | 907337  | 23.18% | 4.703% |
| 67 | 17.257 | 2440 | 2443 | 2447 | rVB5 | 8033   | 9387    | 0.24%  | 0.049% |
| 68 | 17.374 | 2460 | 2463 | 2467 | rVB5 | 3682   | 4926    | 0.13%  | 0.026% |
| 69 | 17.574 | 2493 | 2497 | 2502 | rBV5 | 10728  | 14109   | 0.36%  | 0.073% |
| 70 | 17.845 | 2538 | 2543 | 2544 | rBV4 | 4980   | 6224    | 0.16%  | 0.032% |
| 71 | 17.962 | 2555 | 2563 | 2571 | rBV4 | 65959  | 110346  | 2.82%  | 0.572% |

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|----|--------|------|------|------|------|--------|---------|--------|--------|
| 72 | 18.127 | 2588 | 2591 | 2594 | rVB4 | 3432   | 4776    | 0.12%  | 0.025% |
| 73 | 18.262 | 2611 | 2614 | 2620 | rBV3 | 10342  | 13064   | 0.33%  | 0.068% |
| 74 | 18.627 | 2674 | 2676 | 2680 | rBV5 | 4726   | 6407    | 0.16%  | 0.033% |
| 75 | 18.733 | 2690 | 2694 | 2698 | rVB  | 13230  | 14909   | 0.38%  | 0.077% |
| 76 | 18.827 | 2707 | 2710 | 2712 | rBV3 | 7992   | 8690    | 0.22%  | 0.045% |
| 77 | 18.904 | 2719 | 2723 | 2728 | rVB6 | 11998  | 17699   | 0.45%  | 0.092% |
| 78 | 19.098 | 2751 | 2756 | 2757 | rBV4 | 7357   | 10911   | 0.28%  | 0.057% |
| 79 | 19.121 | 2757 | 2760 | 2764 | rVV3 | 8559   | 12685   | 0.32%  | 0.066% |
| 80 | 19.245 | 2776 | 2781 | 2786 | rBV7 | 26875  | 45650   | 1.17%  | 0.237% |
| 81 | 19.456 | 2811 | 2817 | 2831 | rBV  | 718963 | 1035850 | 26.46% | 5.370% |
| 82 | 20.015 | 2909 | 2912 | 2915 | rVB2 | 17330  | 17293   | 0.44%  | 0.090% |
| 83 | 20.509 | 2993 | 2996 | 2999 | rBV  | 23187  | 22592   | 0.58%  | 0.117% |
| 84 | 20.968 | 3070 | 3074 | 3081 | rBV  | 181567 | 256901  | 6.56%  | 1.332% |
| 85 | 21.239 | 3115 | 3120 | 3126 | rBV  | 875371 | 1055531 | 26.96% | 5.472% |
| 86 | 23.309 | 3466 | 3472 | 3477 | rBV  | 548815 | 989776  | 25.28% | 5.131% |
| 87 | 23.450 | 3490 | 3496 | 3505 | rVB  | 615485 | 1113838 | 28.45% | 5.774% |

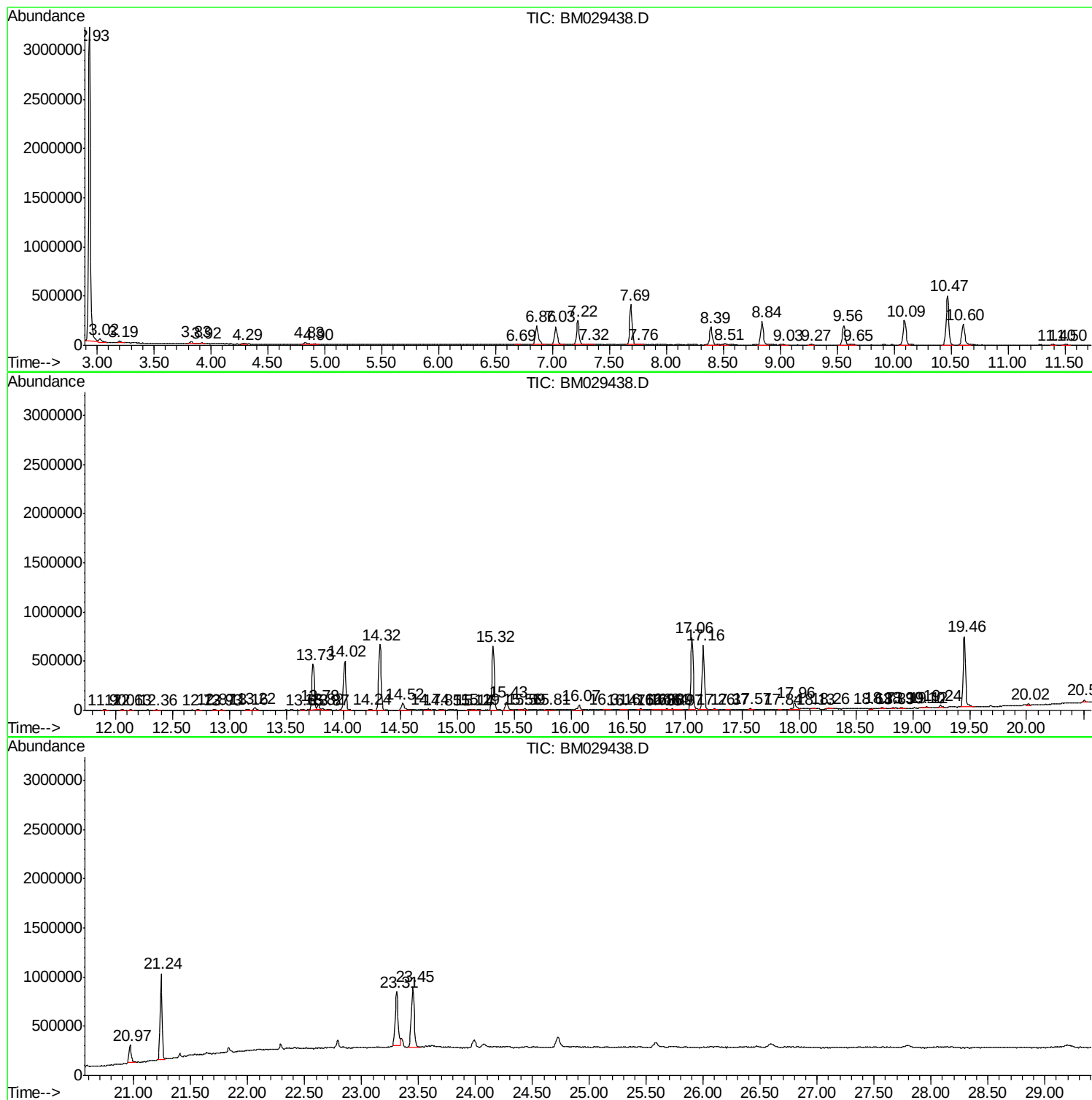
Sum of corrected areas: 19291164

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM040721MA.M  
Quant Title : SVOA CALIBRATION

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



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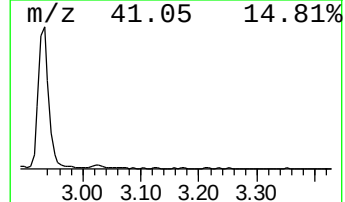
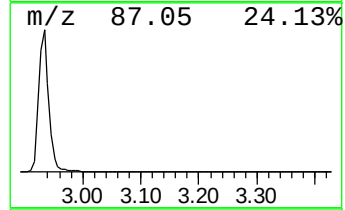
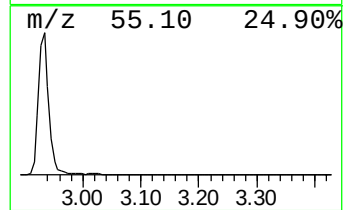
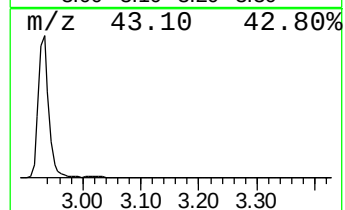
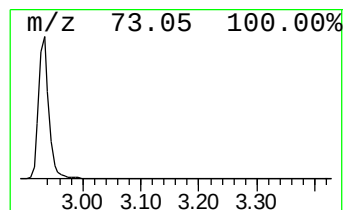
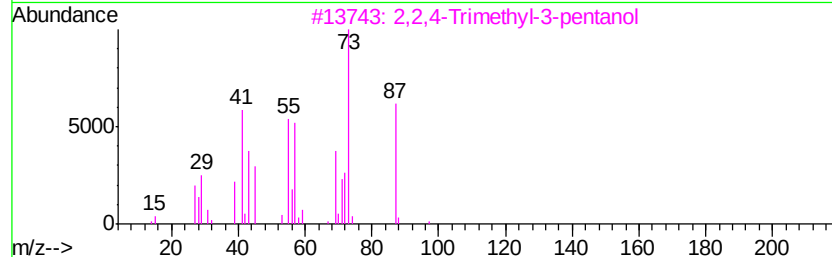
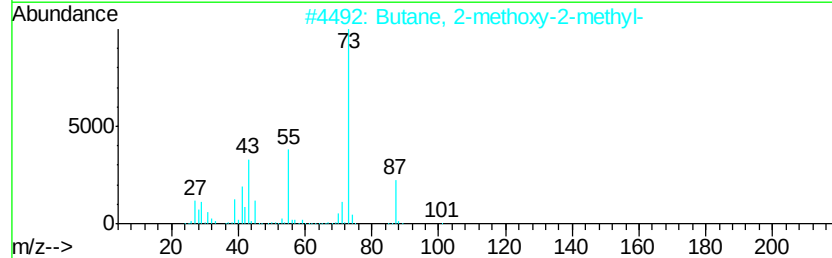
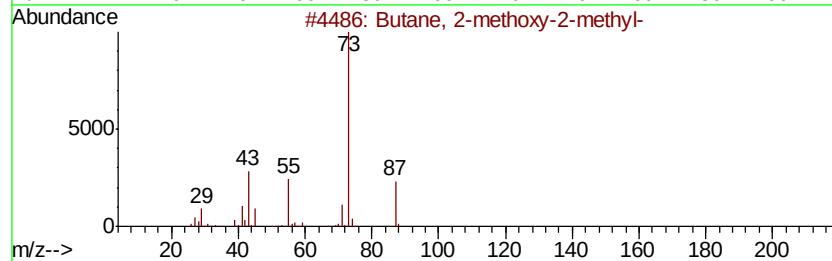
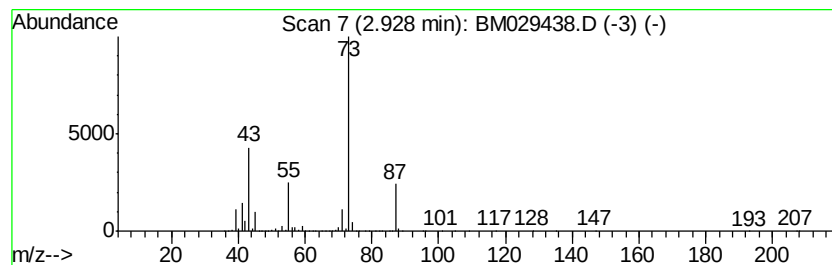
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc      | Area    | Relative to ISTD       | R.T. |
|------|--------------|---------|------------------------|------|
| 2.93 | 121.79 ng/ul | 3914680 | 1,4-Dichlorobenzene-d4 | 7.69 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 56   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 50   |
| 4    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 5    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 37   |



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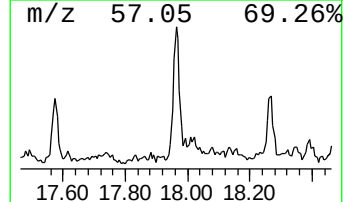
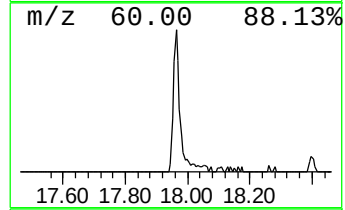
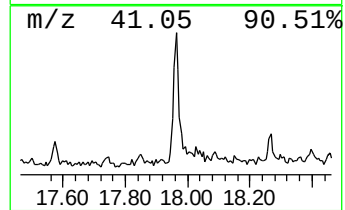
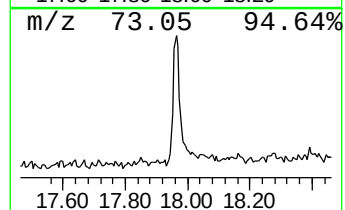
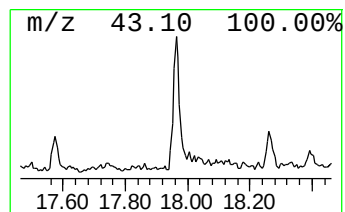
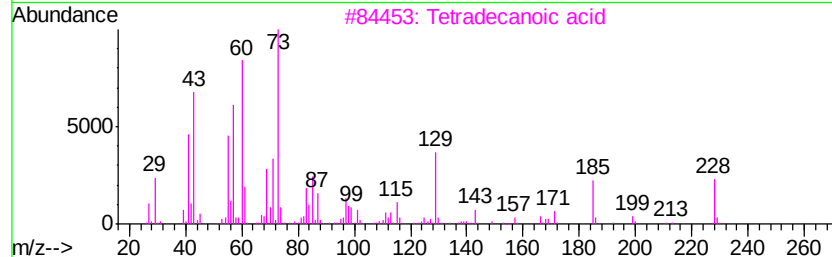
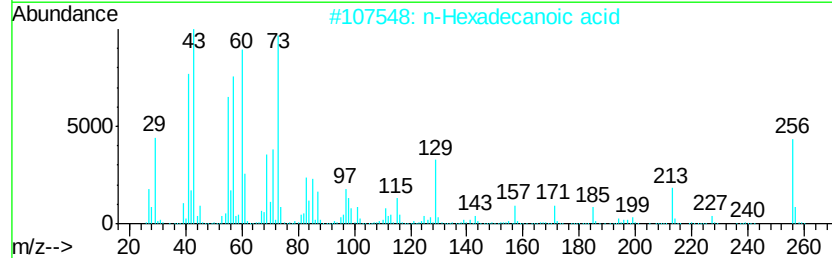
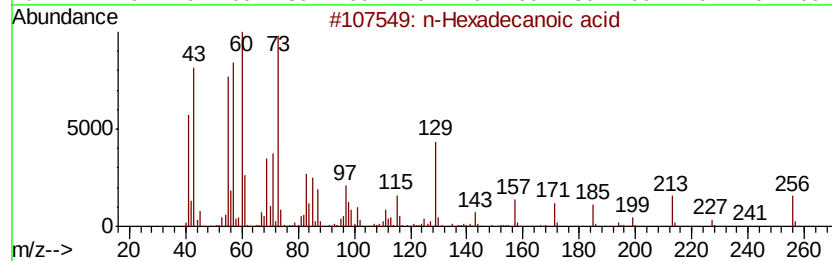
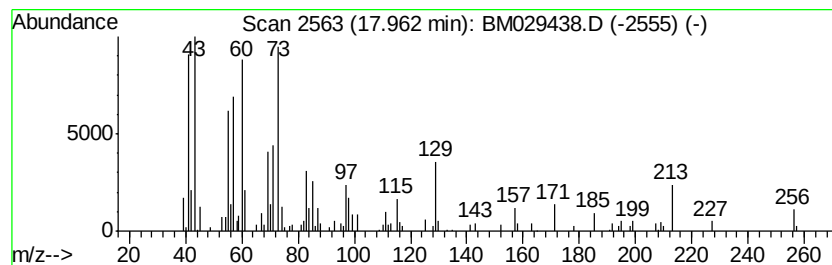
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TIC Library : C:\DATABASE\NIST11.L  
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\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.      |
|---------|---------------------|--------------|------------------|-----------|
| 17.96   | 2.16 ng/ul          | 110346       | Phenanthrene-d10 | 17.06     |
| Hit# of | 5                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | n-Hexadecanoic acid | 256 C16H32O2 | 000057-10-3      | 96        |
| 2       | n-Hexadecanoic acid | 256 C16H32O2 | 000057-10-3      | 83        |
| 3       | Tetradecanoic acid  | 228 C14H28O2 | 000544-63-8      | 64        |
| 4       | Tridecanoic acid    | 214 C13H26O2 | 000638-53-9      | 58        |
| 5       | n-Hexadecanoic acid | 256 C16H32O2 | 000057-10-3      | 58        |



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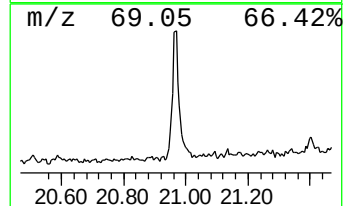
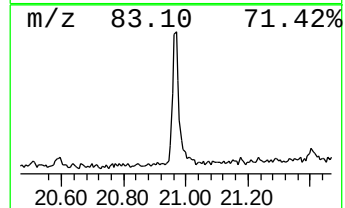
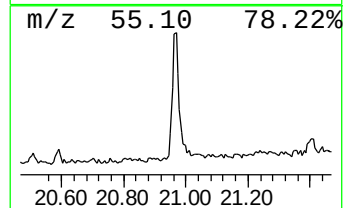
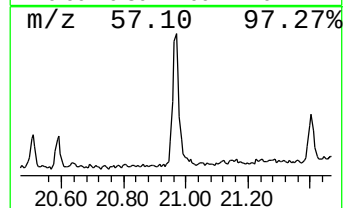
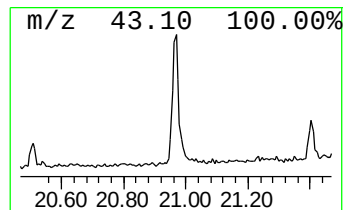
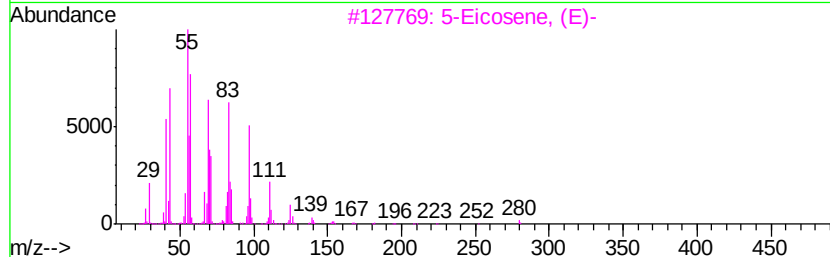
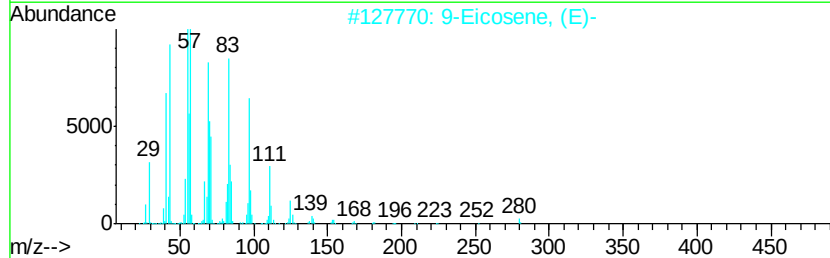
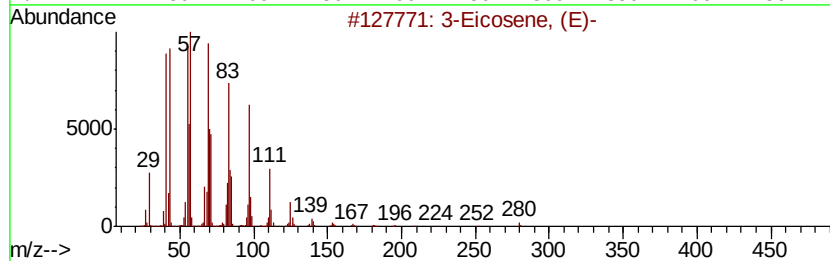
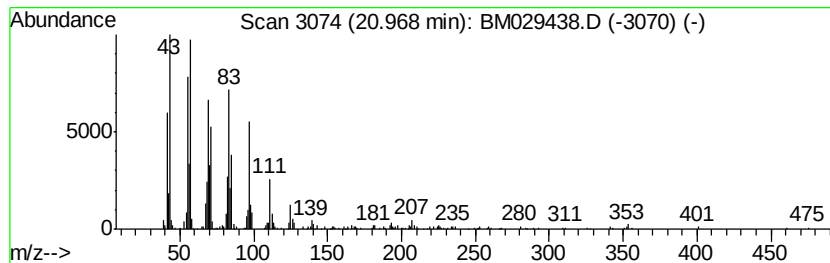
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.97 | 4.87 ng/ul | 256901 | Chrysene-d12     | 21.24 |

| Hit# | of                              | Tentative ID | MW  | MolForm    | CAS#         | Qual |
|------|---------------------------------|--------------|-----|------------|--------------|------|
| 1    | 3-Eicosene, (E)-                |              | 280 | C20H40     | 074685-33-9  | 97   |
| 2    | 9-Eicosene, (E)-                |              | 280 | C20H40     | 074685-29-3  | 93   |
| 3    | 5-Eicosene, (E)-                |              | 280 | C20H40     | 074685-30-6  | 92   |
| 4    | 1-Octadecene                    |              | 252 | C18H36     | 000112-88-9  | 92   |
| 5    | Nonadecyl pentafluoropropionate |              | 430 | C22H39F5O2 | 1000351-88-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM040921\  
Data File : BM029438.D  
Acq On : 09 Apr 2021 19:14  
Operator : CG/JU  
Sample : M1881-19  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
ESQG3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM040721MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.93  | 121.8   | ng/ul | 3914680  | 1                     | 7.69  | 642883  | 20.0 |
| n-Hexadecanoic acid  | 17.96 | 2.2     | ng/ul | 110346   | 4                     | 17.06 | 1019380 | 20.0 |
| (DEL) Alkane: Str... | 20.97 | 4.9     | ng/ul | 256901   | 5                     | 21.24 | 1055530 | 20.0 |