

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122319\  
 Data File : BM024260.D  
 Acq On : 24 Dec 2019 18:26  
 Operator : JU  
 Sample : K6240-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFQS1

## 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-BM121719MA.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      | 2.993    | 16         | 18       | 25        | rVB   | 62411       | 85179      | 1.33%        | 0.121%     |
| 2      | 4.122    | 207        | 210      | 211       | rBV3  | 7218        | 8451       | 0.13%        | 0.012%     |
| 3      | 4.499    | 272        | 274      | 281       | rVB6  | 6000        | 7853       | 0.12%        | 0.011%     |
| 4      | 6.016    | 530        | 532      | 538       | rVB6  | 7775        | 11329      | 0.18%        | 0.016%     |
| 5      | 6.640    | 628        | 638      | 653       | rBV2  | 274929      | 575733     | 8.99%        | 0.819%     |
| 6      | 6.787    | 657        | 663      | 673       | rBV   | 951443      | 1555998    | 24.30%       | 2.214%     |
| 7      | 6.975    | 688        | 695      | 708       | rBV   | 1086042     | 1801145    | 28.13%       | 2.563%     |
| 8      | 7.057    | 708        | 709      | 714       | rVB5  | 6672        | 8078       | 0.13%        | 0.011%     |
| 9      | 7.434    | 763        | 773      | 784       | rBV   | 1131816     | 1810706    | 28.28%       | 2.576%     |
| 10     | 7.775    | 826        | 831      | 835       | rBV6  | 6568        | 11216      | 0.18%        | 0.016%     |
| 11     | 8.157    | 887        | 896      | 912       | rBV   | 796647      | 1424952    | 22.26%       | 2.027%     |
| 12     | 8.410    | 935        | 939      | 945       | rVB   | 52548       | 83123      | 1.30%        | 0.118%     |
| 13     | 8.587    | 962        | 969      | 987       | rBV   | 1222215     | 2080287    | 32.49%       | 2.960%     |
| 14     | 8.763    | 994        | 999      | 1004      | rVB8  | 4152        | 8783       | 0.14%        | 0.012%     |
| 15     | 8.934    | 1021       | 1028     | 1034      | rBV5  | 35931       | 67714      | 1.06%        | 0.096%     |
| 16     | 9.016    | 1037       | 1042     | 1047      | rVB   | 35638       | 49816      | 0.78%        | 0.071%     |
| 17     | 9.169    | 1063       | 1068     | 1070      | rBV6  | 4564        | 6790       | 0.11%        | 0.010%     |
| 18     | 9.304    | 1084       | 1091     | 1105      | rBV   | 1012136     | 1730372    | 27.03%       | 2.462%     |
| 19     | 9.575    | 1131       | 1137     | 1139      | rBV5  | 4735        | 8118       | 0.13%        | 0.012%     |
| 20     | 9.610    | 1141       | 1143     | 1149      | rVB7  | 5006        | 8046       | 0.13%        | 0.011%     |
| 21     | 9.845    | 1175       | 1183     | 1205      | rBV   | 1359304     | 2600316    | 40.61%       | 3.700%     |
| 22     | 10.198   | 1236       | 1243     | 1260      | rVB   | 1539401     | 2619484    | 40.91%       | 3.727%     |
| 23     | 10.375   | 1267       | 1273     | 1279      | rBV   | 63475       | 134824     | 2.11%        | 0.192%     |
| 24     | 11.481   | 1458       | 1461     | 1469      | rVB5  | 7519        | 11874      | 0.19%        | 0.017%     |
| 25     | 11.639   | 1486       | 1488     | 1495      | rVB7  | 5948        | 10972      | 0.17%        | 0.016%     |
| 26     | 11.810   | 1512       | 1517     | 1523      | rBV2  | 22534       | 38617      | 0.60%        | 0.055%     |
| 27     | 11.892   | 1527       | 1531     | 1534      | rBV5  | 10532       | 18129      | 0.28%        | 0.026%     |
| 28     | 12.063   | 1557       | 1560     | 1566      | rVB6  | 5506        | 8572       | 0.13%        | 0.012%     |
| 29     | 12.145   | 1571       | 1574     | 1578      | rBV6  | 6168        | 10399      | 0.16%        | 0.015%     |
| 30     | 12.433   | 1620       | 1623     | 1625      | rBV3  | 5348        | 6657       | 0.10%        | 0.009%     |
| 31     | 12.457   | 1625       | 1627     | 1634      | rVB7  | 8144        | 12489      | 0.20%        | 0.018%     |
| 32     | 12.516   | 1634       | 1637     | 1642      | rBV7  | 4589        | 6700       | 0.10%        | 0.010%     |
| 33     | 12.622   | 1651       | 1655     | 1659      | rBV7  | 5140        | 8457       | 0.13%        | 0.012%     |
| 34     | 12.698   | 1665       | 1668     | 1673      | rVB7  | 5001        | 7263       | 0.11%        | 0.010%     |

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 12.757 | 1673 | 1678 | 1685 | rBV7 | 10496   | 19564   | 0.31%   | 0.028% |
| 36 | 12.875 | 1696 | 1698 | 1702 | rVB4 | 5355    | 7720    | 0.12%   | 0.011% |
| 37 | 12.975 | 1711 | 1715 | 1716 | rBV4 | 6290    | 7527    | 0.12%   | 0.011% |
| 38 | 13.004 | 1716 | 1720 | 1724 | rVB5 | 8808    | 13027   | 0.20%   | 0.019% |
| 39 | 13.522 | 1801 | 1808 | 1813 | rBV  | 2701860 | 3753533 | 58.62%  | 5.341% |
| 40 | 13.569 | 1813 | 1816 | 1825 | rVB  | 176541  | 253128  | 3.95%   | 0.360% |
| 41 | 13.722 | 1840 | 1842 | 1846 | rVB5 | 9086    | 12225   | 0.19%   | 0.017% |
| 42 | 13.786 | 1846 | 1853 | 1865 | rBV  | 3400319 | 4929711 | 76.99%  | 7.014% |
| 43 | 14.022 | 1891 | 1893 | 1896 | rBV4 | 6875    | 7439    | 0.12%   | 0.011% |
| 44 | 14.098 | 1900 | 1906 | 1920 | rVB2 | 2340665 | 3429034 | 53.56%  | 4.879% |
| 45 | 14.369 | 1947 | 1952 | 1967 | rBV2 | 111176  | 333132  | 5.20%   | 0.474% |
| 46 | 14.510 | 1972 | 1976 | 1981 | rVV7 | 26059   | 57726   | 0.90%   | 0.082% |
| 47 | 14.557 | 1982 | 1984 | 1992 | rVB7 | 28150   | 45759   | 0.71%   | 0.065% |
| 48 | 14.651 | 1998 | 2000 | 2004 | rVB5 | 15223   | 14941   | 0.23%   | 0.021% |
| 49 | 14.880 | 2035 | 2039 | 2044 | rBV6 | 20384   | 38324   | 0.60%   | 0.055% |
| 50 | 14.945 | 2045 | 2050 | 2054 | rVB7 | 22591   | 44118   | 0.69%   | 0.063% |
| 51 | 15.104 | 2070 | 2077 | 2092 | rBV  | 4101739 | 5877610 | 91.80%  | 8.363% |
| 52 | 15.263 | 2099 | 2104 | 2112 | rBV  | 534255  | 807082  | 12.61%  | 1.148% |
| 53 | 15.345 | 2115 | 2118 | 2123 | rVB3 | 41955   | 57825   | 0.90%   | 0.082% |
| 54 | 15.892 | 2208 | 2211 | 2214 | rVB4 | 18796   | 20576   | 0.32%   | 0.029% |
| 55 | 16.857 | 2369 | 2375 | 2385 | rBV  | 2681144 | 3758768 | 58.71%  | 5.348% |
| 56 | 16.957 | 2386 | 2392 | 2404 | rVV2 | 4217290 | 5905937 | 92.24%  | 8.403% |
| 57 | 17.786 | 2528 | 2533 | 2541 | rBV  | 946913  | 1397842 | 21.83%  | 1.989% |
| 58 | 19.080 | 2749 | 2753 | 2760 | rBV  | 623943  | 951885  | 14.87%  | 1.354% |
| 59 | 19.268 | 2780 | 2785 | 2793 | rBV  | 4524255 | 6165205 | 96.29%  | 8.772% |
| 60 | 20.809 | 3044 | 3047 | 3051 | rBV  | 1075327 | 1279608 | 19.99%  | 1.821% |
| 61 | 21.074 | 3088 | 3092 | 3097 | rBV  | 3085796 | 3766923 | 58.83%  | 5.360% |
| 62 | 23.074 | 3427 | 3432 | 3437 | rBV  | 3821858 | 6402693 | 100.00% | 9.110% |
| 63 | 23.209 | 3450 | 3455 | 3461 | rVB  | 2312002 | 4085844 | 63.81%  | 5.813% |

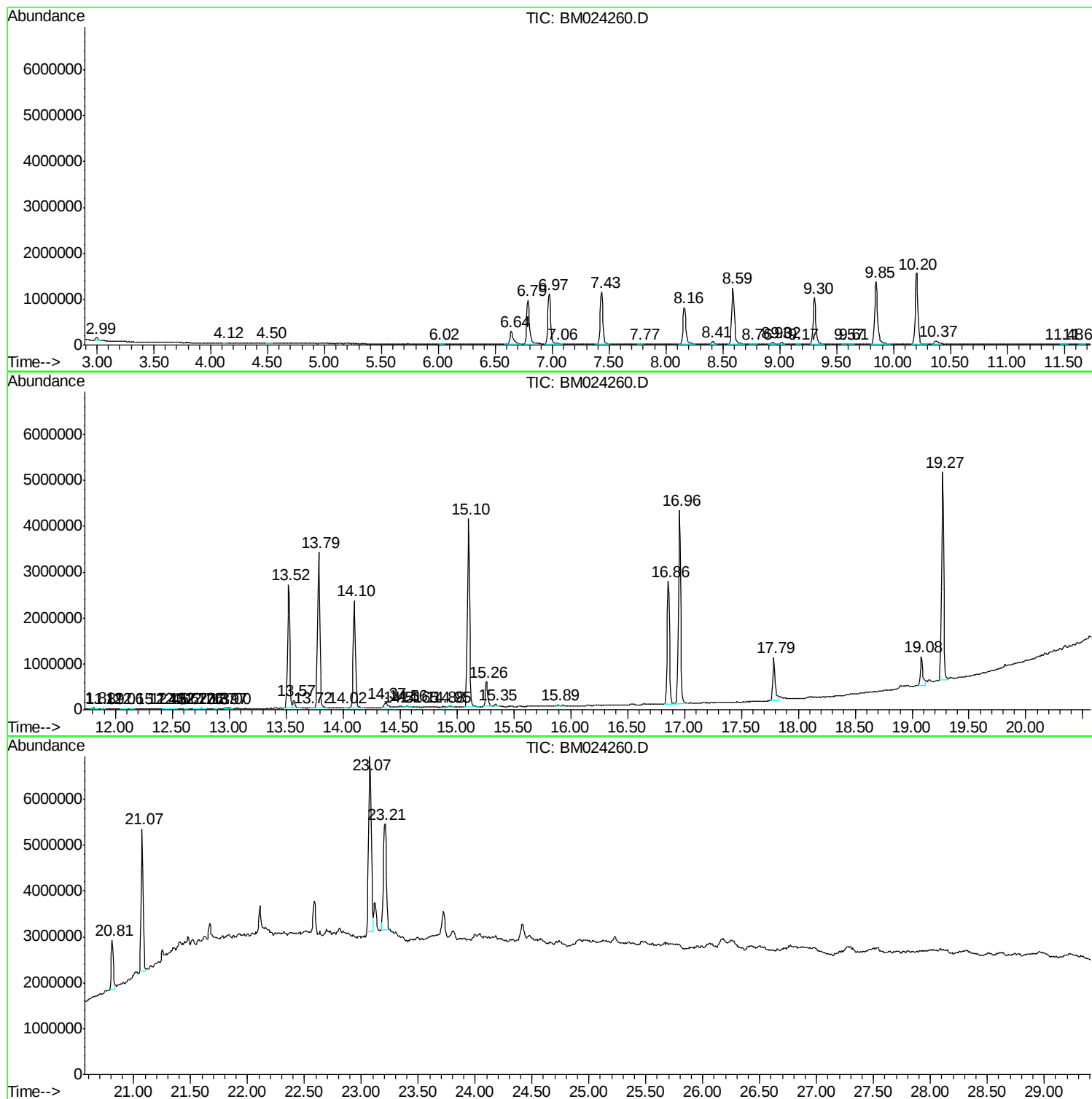
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BFQS1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

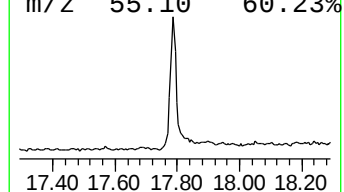
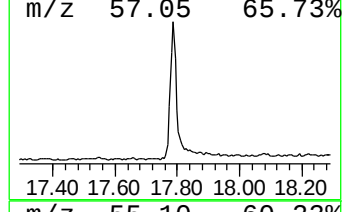
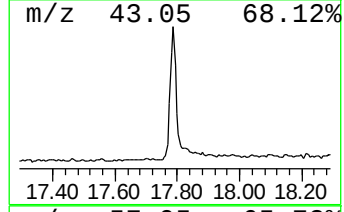
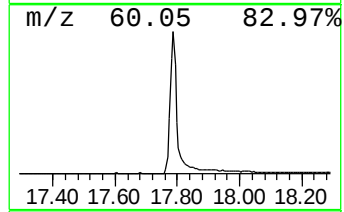
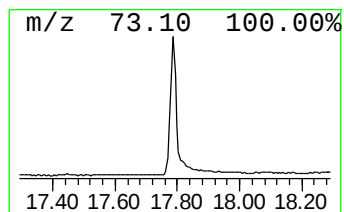
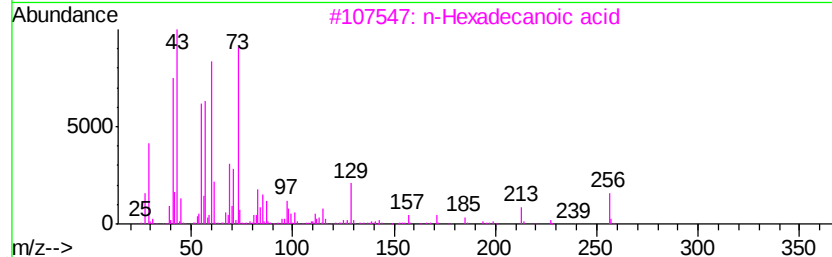
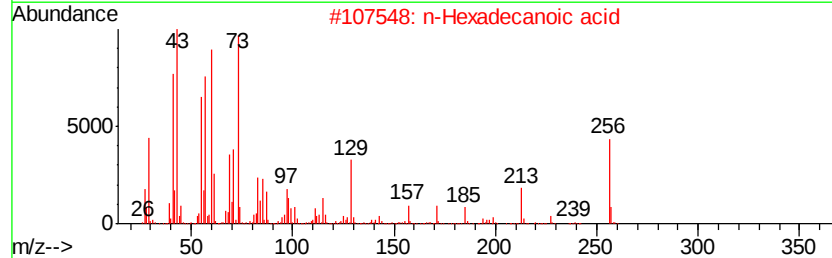
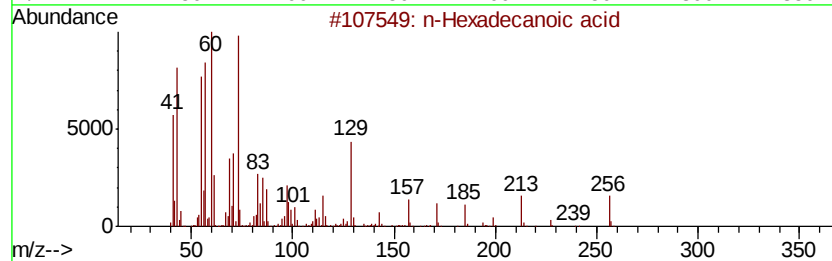
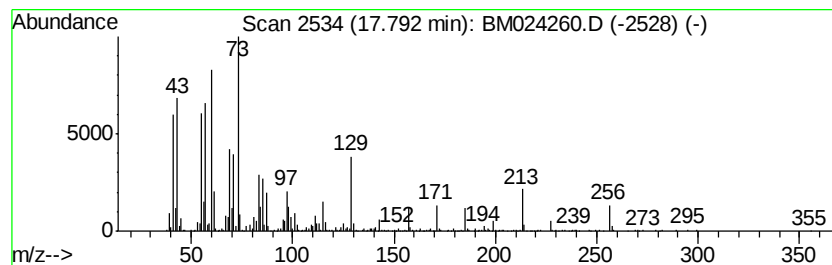
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 17.79 | 7.44 ng/ul | 1397840 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 3    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 4    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 81   |
| 5    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 76   |



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Quant Title : SVOA CALIBRATION

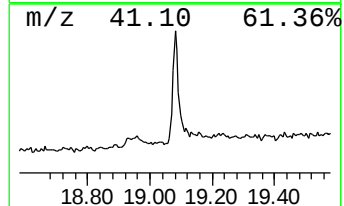
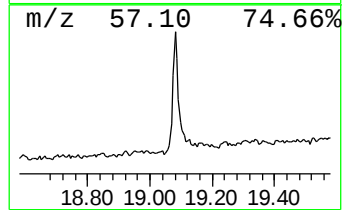
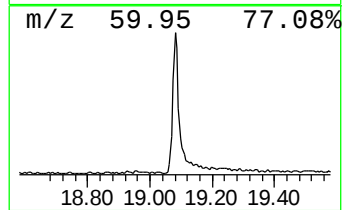
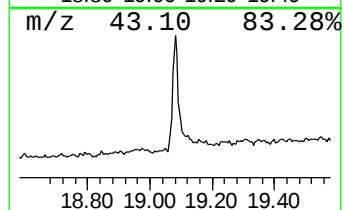
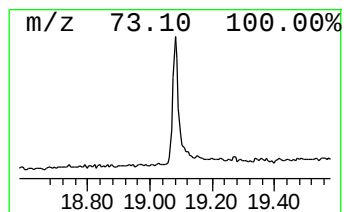
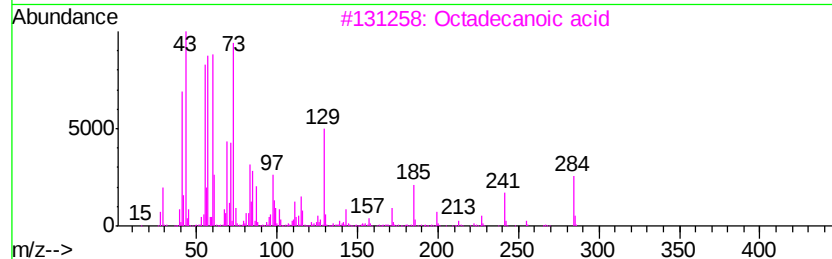
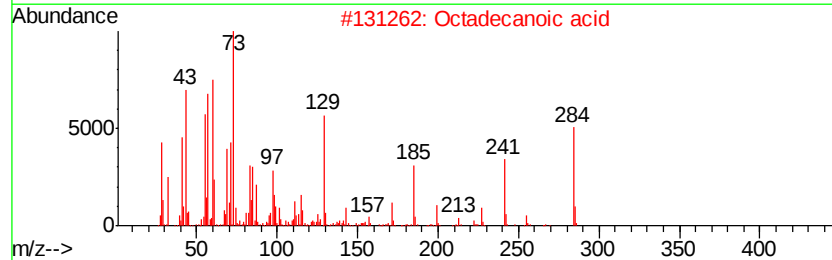
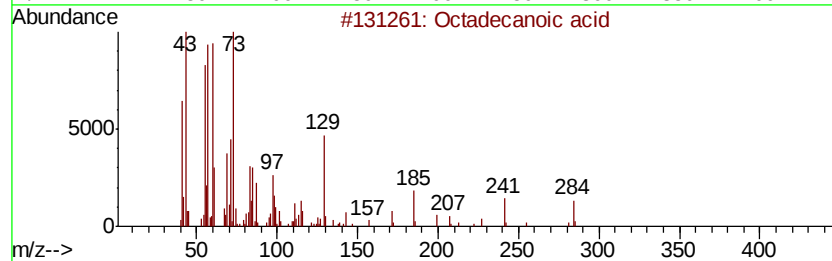
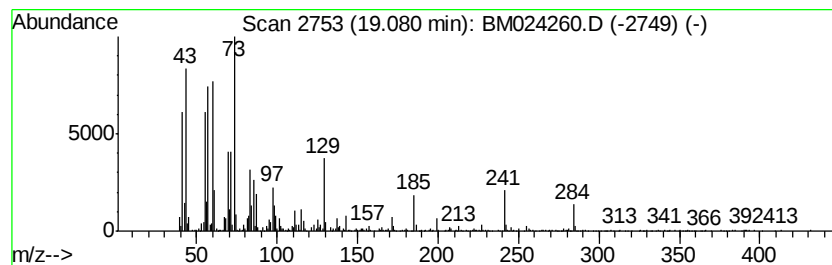
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Octadecanoic acid Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.08 | 5.05 ng/ul | 951885 | Chrysene-d12     | 21.07 |

| Hit# | of | Tentative ID      | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99   |
| 3    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99   |
| 4    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 96   |
| 5    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95   |



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Quant Title : SVOA CALIBRATION

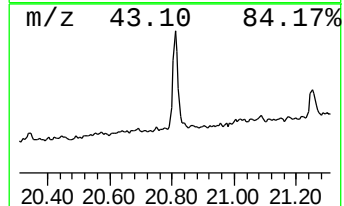
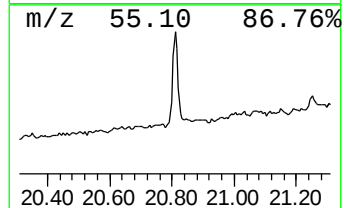
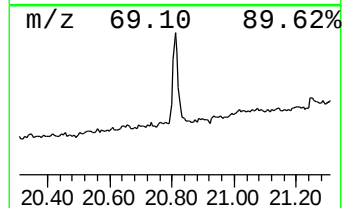
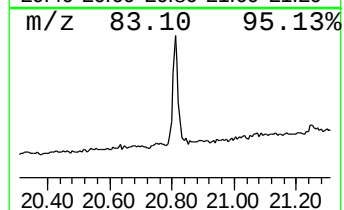
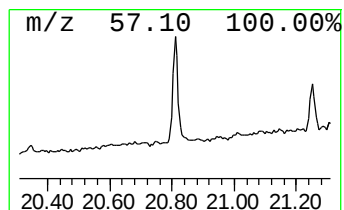
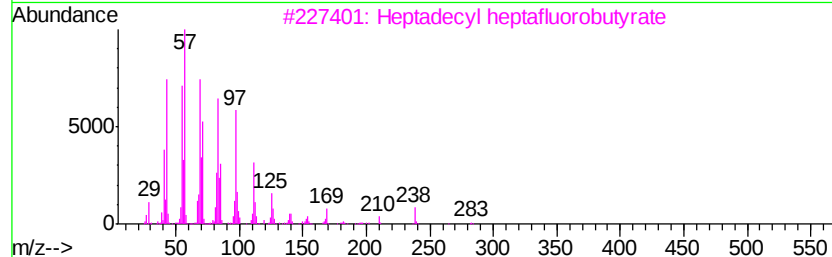
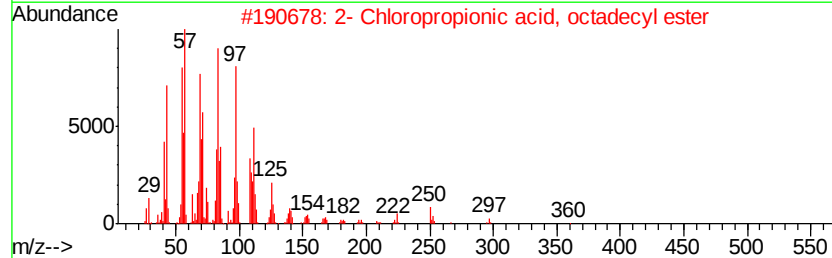
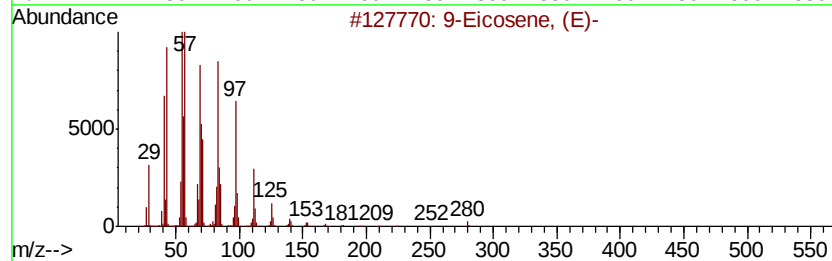
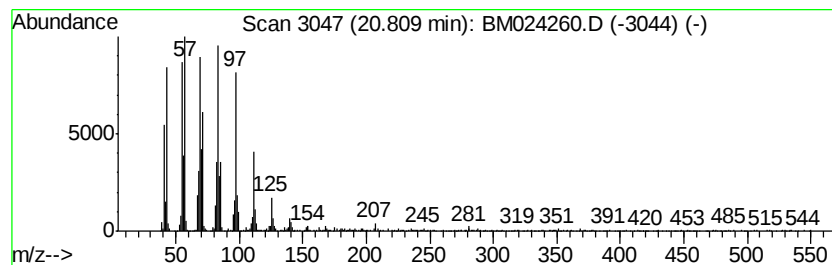
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic20.81 Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.81 | 6.79 ng/ul | 1279610 | Chrysene-d12     | 21.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | 9-Eicosene, (E)-                    | 280 | C20H40      | 074685-29-3  | 95   |
| 2    |    | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2  | 088104-31-8  | 94   |
| 3    |    | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2  | 959085-66-6  | 94   |
| 4    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 94   |
| 5    |    | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7  | 94   |



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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.79 | 7.4     | ng/ul | 1397840  | 4                     | 16.86 | 3758770 | 20.0 |
| Octadecanoic acid    | 19.08 | 5.0     | ng/ul | 951885   | 5                     | 21.07 | 3766920 | 20.0 |
| (DEL) Alkane: Cyc... | 20.81 | 6.8     | ng/ul | 1279610  | 5                     | 21.07 | 3766920 | 20.0 |