

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091920\  
 Data File : BM027481.D  
 Acq On : 19 Sep 2020 03:28  
 Operator : JU/CG  
 Sample : L4046-06  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BG0P4

## 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-BM090420MA.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      | 3.052    | 8          | 11       | 18        | rVB2  | 37333       | 45982      | 1.17%        | 0.136%     |
| 2      | 4.857    | 314        | 318      | 326       | rVB   | 79319       | 111874     | 2.84%        | 0.332%     |
| 3      | 5.246    | 380        | 384      | 390       | rVB   | 23914       | 35456      | 0.90%        | 0.105%     |
| 4      | 6.687    | 624        | 629      | 644       | rVB2  | 128088      | 255092     | 6.48%        | 0.757%     |
| 5      | 6.845    | 650        | 656      | 667       | rBV   | 424886      | 673524     | 17.12%       | 1.999%     |
| 6      | 7.034    | 682        | 688      | 699       | rBV   | 504813      | 791693     | 20.12%       | 2.350%     |
| 7      | 7.222    | 715        | 720      | 724       | rBV4  | 9913        | 14883      | 0.38%        | 0.044%     |
| 8      | 7.498    | 760        | 767      | 779       | rVB   | 427169      | 664939     | 16.90%       | 1.974%     |
| 9      | 7.716    | 800        | 804      | 808       | rBV6  | 7708        | 11833      | 0.30%        | 0.035%     |
| 10     | 8.210    | 882        | 888      | 895       | rBV   | 368742      | 578604     | 14.71%       | 1.718%     |
| 11     | 8.598    | 950        | 954      | 955       | rBV4  | 4699        | 5317       | 0.14%        | 0.016%     |
| 12     | 8.639    | 955        | 961      | 972       | rVV   | 557880      | 893683     | 22.72%       | 2.653%     |
| 13     | 8.722    | 972        | 975      | 979       | rVB5  | 3667        | 5484       | 0.14%        | 0.016%     |
| 14     | 9.116    | 1038       | 1042     | 1048      | rVB4  | 9512        | 14198      | 0.36%        | 0.042%     |
| 15     | 9.357    | 1076       | 1083     | 1095      | rVB   | 482949      | 787517     | 20.02%       | 2.338%     |
| 16     | 9.892    | 1167       | 1174     | 1190      | rBV   | 720052      | 1213780    | 30.85%       | 3.603%     |
| 17     | 10.263   | 1228       | 1237     | 1244      | rBV   | 529189      | 845516     | 21.49%       | 2.510%     |
| 18     | 10.410   | 1256       | 1262     | 1271      | rBV   | 31991       | 67253      | 1.71%        | 0.200%     |
| 19     | 11.604   | 1458       | 1465     | 1467      | rBV4  | 7786        | 12585      | 0.32%        | 0.037%     |
| 20     | 11.628   | 1467       | 1469     | 1474      | rVB2  | 11020       | 14105      | 0.36%        | 0.042%     |
| 21     | 11.869   | 1505       | 1510     | 1515      | rBV2  | 7407        | 12845      | 0.33%        | 0.038%     |
| 22     | 11.951   | 1518       | 1524     | 1528      | rBV3  | 5414        | 11498      | 0.29%        | 0.034%     |
| 23     | 12.627   | 1636       | 1639     | 1643      | rVB4  | 3675        | 4244       | 0.11%        | 0.013%     |
| 24     | 12.710   | 1648       | 1653     | 1658      | rVB7  | 7080        | 12088      | 0.31%        | 0.036%     |
| 25     | 12.763   | 1658       | 1662     | 1665      | rBV5  | 3030        | 4873       | 0.12%        | 0.014%     |
| 26     | 12.798   | 1665       | 1668     | 1674      | rVB4  | 4023        | 5387       | 0.14%        | 0.016%     |
| 27     | 13.063   | 1709       | 1713     | 1718      | rBV3  | 7654        | 10754      | 0.27%        | 0.032%     |
| 28     | 13.569   | 1792       | 1799     | 1804      | rBV   | 1412151     | 1942776    | 49.38%       | 5.767%     |
| 29     | 13.610   | 1804       | 1806     | 1813      | rVB   | 65552       | 85143      | 2.16%        | 0.253%     |
| 30     | 13.833   | 1836       | 1844     | 1856      | rBV   | 1532980     | 2131469    | 54.18%       | 6.327%     |
| 31     | 13.927   | 1856       | 1860     | 1864      | rVB4  | 3718        | 5887       | 0.15%        | 0.017%     |
| 32     | 14.086   | 1883       | 1887     | 1890      | rVB5  | 2972        | 3963       | 0.10%        | 0.012%     |
| 33     | 14.145   | 1890       | 1897     | 1904      | rBV   | 821404      | 1158714    | 29.45%       | 3.440%     |
| 34     | 14.204   | 1904       | 1907     | 1912      | rVB4  | 5188        | 6825       | 0.17%        | 0.020%     |

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 BG0P4

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Integrator: RTE  
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 Sampling : 1  
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Filtering: 5  
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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-BM090420MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 35 | 14.368 | 1928 | 1935 | 1949 | rBV  | 46732   | 119912  | 3.05%  | 0.356%  |
| 36 | 14.598 | 1970 | 1974 | 1979 | rBV5 | 5762    | 8412    | 0.21%  | 0.025%  |
| 37 | 14.910 | 2023 | 2027 | 2032 | rBV  | 7278    | 9546    | 0.24%  | 0.028%  |
| 38 | 14.986 | 2038 | 2040 | 2044 | rVB4 | 3177    | 4478    | 0.11%  | 0.013%  |
| 39 | 15.145 | 2060 | 2067 | 2074 | rBV  | 1958820 | 2713408 | 68.97% | 8.054%  |
| 40 | 15.268 | 2082 | 2088 | 2103 | rBV  | 594424  | 838457  | 21.31% | 2.489%  |
| 41 | 15.415 | 2104 | 2113 | 2122 | rVB  | 444374  | 617366  | 15.69% | 1.833%  |
| 42 | 15.657 | 2150 | 2154 | 2160 | rBV2 | 11558   | 19126   | 0.49%  | 0.057%  |
| 43 | 15.833 | 2179 | 2184 | 2185 | rBV4 | 6390    | 8154    | 0.21%  | 0.024%  |
| 44 | 15.933 | 2197 | 2201 | 2205 | rVB5 | 7717    | 12643   | 0.32%  | 0.038%  |
| 45 | 16.210 | 2246 | 2248 | 2251 | rBV4 | 4308    | 4578    | 0.12%  | 0.014%  |
| 46 | 16.286 | 2255 | 2261 | 2265 | rBV3 | 8903    | 13568   | 0.34%  | 0.040%  |
| 47 | 16.574 | 2308 | 2310 | 2314 | rVB4 | 4110    | 5254    | 0.13%  | 0.016%  |
| 48 | 16.686 | 2323 | 2329 | 2333 | rBV5 | 7002    | 13106   | 0.33%  | 0.039%  |
| 49 | 16.892 | 2356 | 2364 | 2374 | rBV  | 1019284 | 1379077 | 35.05% | 4.094%  |
| 50 | 16.992 | 2374 | 2381 | 2392 | rBV  | 2317766 | 3085910 | 78.44% | 9.160%  |
| 51 | 17.586 | 2477 | 2482 | 2485 | rVB5 | 5731    | 7518    | 0.19%  | 0.022%  |
| 52 | 17.627 | 2485 | 2489 | 2491 | rBV4 | 3626    | 5092    | 0.13%  | 0.015%  |
| 53 | 17.821 | 2517 | 2522 | 2527 | rBV  | 170109  | 233192  | 5.93%  | 0.692%  |
| 54 | 17.939 | 2538 | 2542 | 2546 | rBV  | 13913   | 19451   | 0.49%  | 0.058%  |
| 55 | 18.039 | 2555 | 2559 | 2562 | rBV5 | 9060    | 13989   | 0.36%  | 0.042%  |
| 56 | 18.062 | 2562 | 2563 | 2564 | rVV  | 8942    | 5752    | 0.15%  | 0.017%  |
| 57 | 18.086 | 2564 | 2567 | 2573 | rVB2 | 17379   | 26100   | 0.66%  | 0.077%  |
| 58 | 18.286 | 2597 | 2601 | 2606 | rVB6 | 4999    | 9972    | 0.25%  | 0.030%  |
| 59 | 18.498 | 2633 | 2637 | 2639 | rBV5 | 5460    | 5520    | 0.14%  | 0.016%  |
| 60 | 18.639 | 2658 | 2661 | 2665 | rVB6 | 8615    | 11391   | 0.29%  | 0.034%  |
| 61 | 18.804 | 2686 | 2689 | 2693 | rBV6 | 11875   | 13618   | 0.35%  | 0.040%  |
| 62 | 18.909 | 2703 | 2707 | 2708 | rBV4 | 16284   | 18879   | 0.48%  | 0.056%  |
| 63 | 18.927 | 2708 | 2710 | 2714 | rVV  | 23120   | 28240   | 0.72%  | 0.084%  |
| 64 | 18.962 | 2714 | 2716 | 2718 | rVV2 | 7042    | 6319    | 0.16%  | 0.019%  |
| 65 | 19.115 | 2737 | 2742 | 2748 | rBV  | 92621   | 146665  | 3.73%  | 0.435%  |
| 66 | 19.180 | 2750 | 2753 | 2757 | rVV2 | 17723   | 25763   | 0.65%  | 0.076%  |
| 67 | 19.292 | 2766 | 2772 | 2779 | rBV  | 2789207 | 3747332 | 95.25% | 11.123% |
| 68 | 19.356 | 2779 | 2783 | 2788 | rVB  | 75578   | 97383   | 2.48%  | 0.289%  |
| 69 | 19.845 | 2864 | 2866 | 2869 | rVB4 | 15490   | 15084   | 0.38%  | 0.045%  |
| 70 | 20.039 | 2896 | 2899 | 2904 | rBV4 | 26347   | 38379   | 0.98%  | 0.114%  |
| 71 | 20.362 | 2951 | 2954 | 2961 | rBV6 | 29478   | 50127   | 1.27%  | 0.149%  |

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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BG0P4

## 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-BM090420MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |     |         |         |         |         |
|----|--------|------|------|------|-----|---------|---------|---------|---------|
| 72 | 20.839 | 3031 | 3035 | 3042 | rBV | 338513  | 428775  | 10.90%  | 1.273%  |
| 73 | 20.992 | 3059 | 3061 | 3064 | rBV | 56407   | 58845   | 1.50%   | 0.175%  |
| 74 | 21.092 | 3073 | 3078 | 3087 | rBV | 1298692 | 1684869 | 42.83%  | 5.001%  |
| 75 | 23.097 | 3413 | 3419 | 3427 | rBV | 2303426 | 3934128 | 100.00% | 11.678% |
| 76 | 23.233 | 3436 | 3442 | 3452 | rVB | 999895  | 1763279 | 44.82%  | 5.234%  |

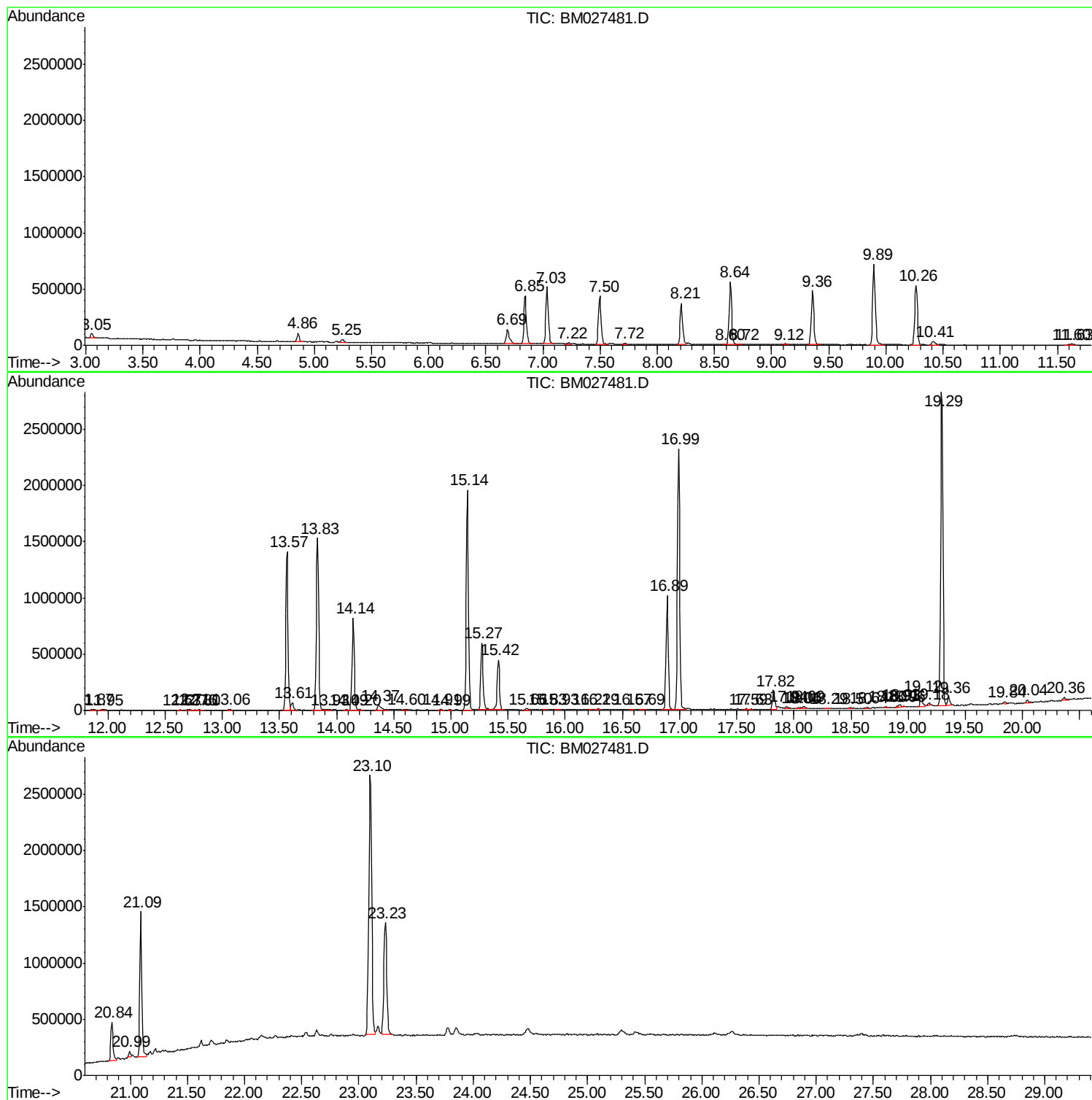
Sum of corrected areas: 33688441

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Instrument :  
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BG0P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
Quant Title : SVOA CALIBRATION

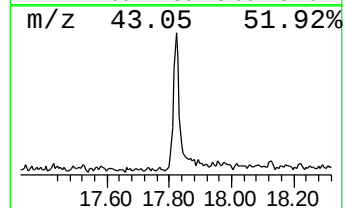
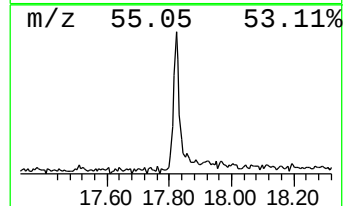
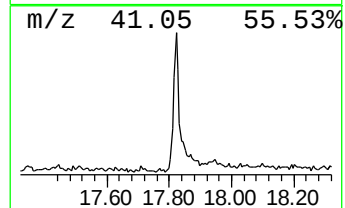
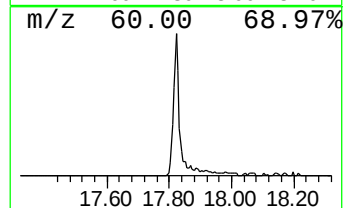
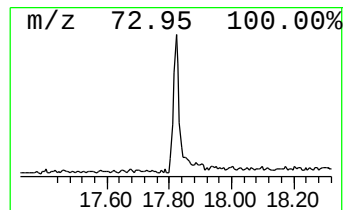
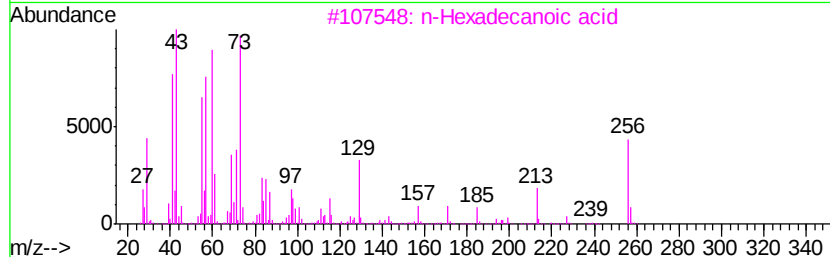
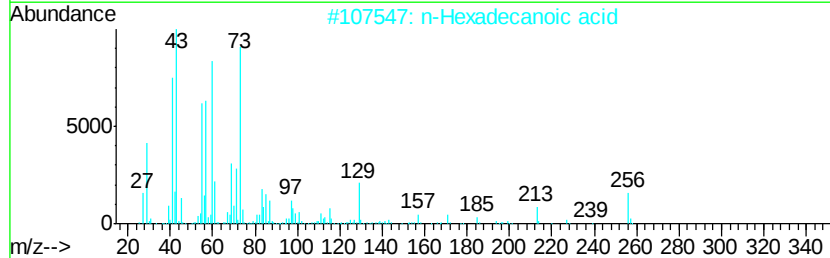
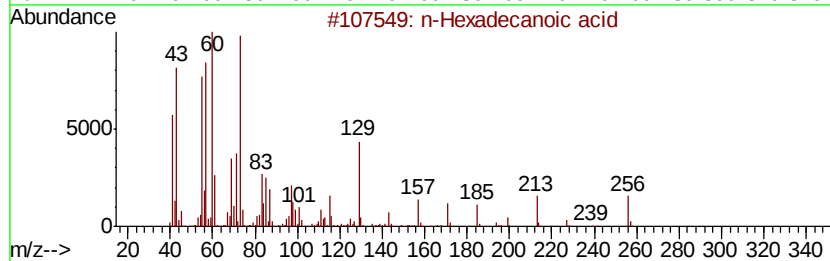
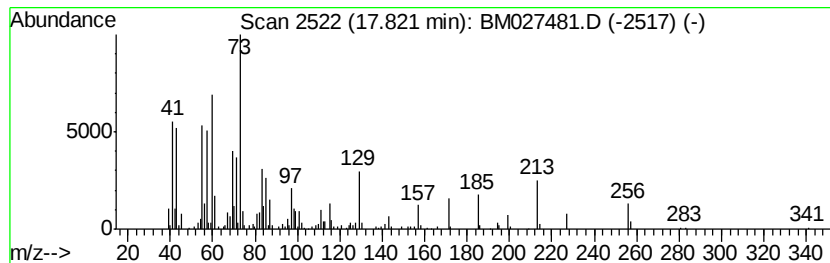
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.82 | 3.38 ng/ul | 233192 | Phenanthrene-d10 | 16.89 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 3    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94   |
| 4    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 86   |
| 5    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 70   |



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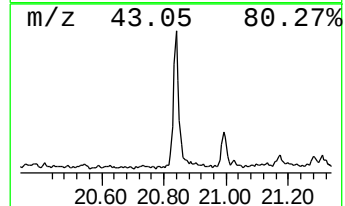
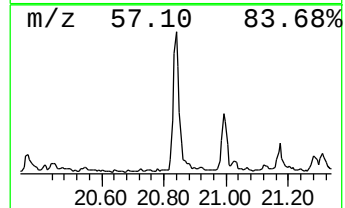
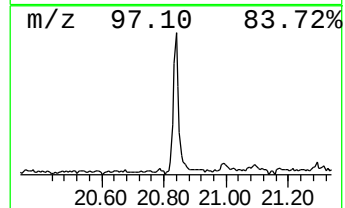
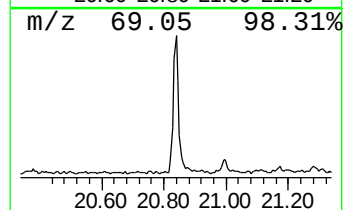
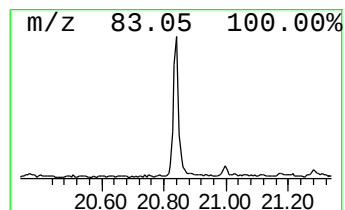
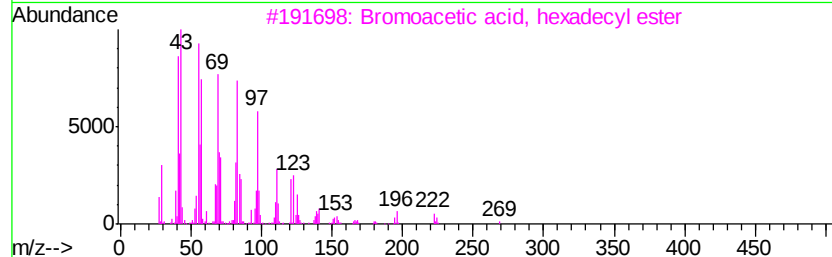
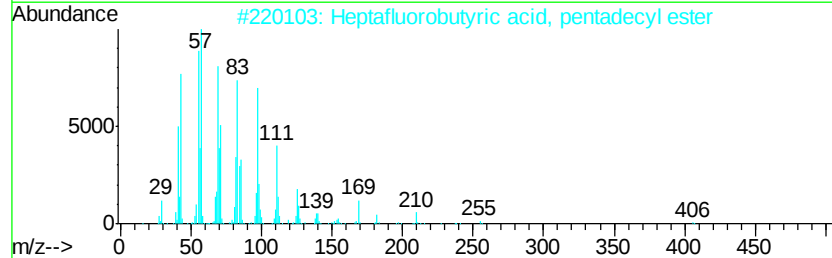
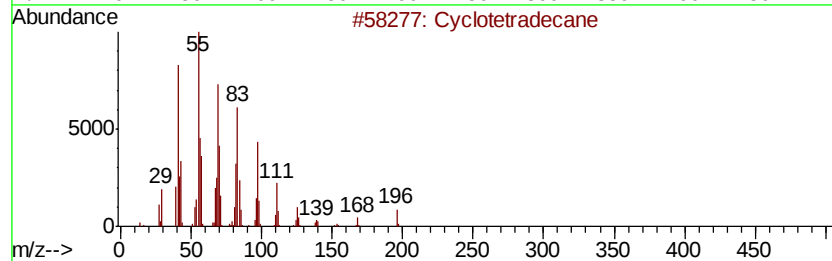
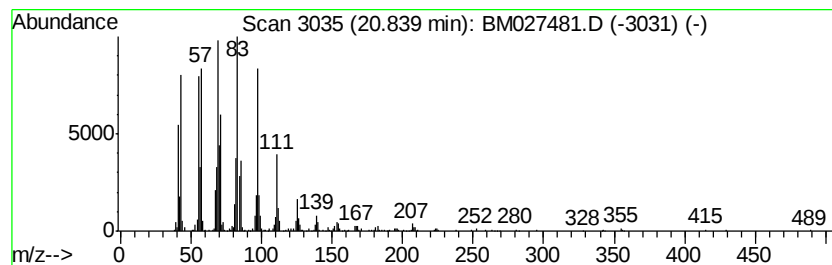
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic20.84 Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD |             | R.T.        |      |
|---------|------------|-------------------------------------|------------------|-------------|-------------|------|
| 20.84   | 5.09 ng/ul | 428775                              | Chrysene-d12     |             | 21.09       |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm     | CAS#        | Qual |
| 1       |            | Cyclotetradecane                    | 196              | C14H28      | 000295-17-0 | 93   |
| 2       |            | Heptafluorobutyric acid, pentade... | 424              | C19H31F7O2  | 959261-23-5 | 93   |
| 3       |            | Bromoacetic acid, hexadecyl ester   | 362              | C18H35BrO2  | 005454-48-8 | 91   |
| 4       |            | Trifluoroacetoxy hexadecane         | 338              | C18H33F3O2  | 006222-03-3 | 91   |
| 5       |            | Trichloroacetic acid, hexadecyl ... | 386              | C18H33Cl3O2 | 074339-54-1 | 91   |



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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  | 17.82 | 3.4     | ng/ul | 233192   | 4                     | 16.89 | 1379080 | 20.0 |
| (DEL) Alkane: Cyc... | 20.84 | 5.1     | ng/ul | 428775   | 5                     | 21.09 | 1684870 | 20.0 |