

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110123\  
 Data File : BG059588.D  
 Acq On : 1 Nov 2023 22:06  
 Operator : MA/JU  
 Sample : 04922-15  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EOAT4

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102723.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BG059588.D\data.ms

| 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         | 3.652       | 42            | 45          | 50           | rVB5     | 8979           | 13997         | 0.94%           | 0.094%        |
| 2         | 3.758       | 60            | 63          | 64           | rVV2     | 6232           | 5470          | 0.37%           | 0.037%        |
| 3         | 4.093       | 115           | 120         | 127          | rVB3     | 15587          | 31072         | 2.09%           | 0.209%        |
| 4         | 4.310       | 150           | 157         | 161          | rBV3     | 13539          | 23407         | 1.58%           | 0.158%        |
| 5         | 4.527       | 190           | 194         | 196          | rVB2     | 5451           | 6354          | 0.43%           | 0.043%        |
| 6         | 4.945       | 262           | 265         | 268          | rBV      | 5683           | 5517          | 0.37%           | 0.037%        |
| 7         | 5.115       | 290           | 294         | 295          | rBV      | 4415           | 5087          | 0.34%           | 0.034%        |
| 8         | 5.250       | 315           | 317         | 321          | rBV2     | 5094           | 5711          | 0.38%           | 0.038%        |
| 9         | 5.368       | 331           | 337         | 341          | rBV2     | 18218          | 29277         | 1.97%           | 0.197%        |
| 10        | 5.426       | 344           | 347         | 348          | rBV3     | 5598           | 5545          | 0.37%           | 0.037%        |
| 11        | 5.503       | 358           | 360         | 363          | rBV3     | 8016           | 8818          | 0.59%           | 0.059%        |
| 12        | 5.832       | 412           | 416         | 418          | rBV3     | 5320           | 7549          | 0.51%           | 0.051%        |
| 13        | 6.102       | 459           | 462         | 467          | rBV2     | 7183           | 11661         | 0.79%           | 0.079%        |
| 14        | 6.425       | 515           | 517         | 520          | rVB2     | 5648           | 5272          | 0.35%           | 0.036%        |
| 15        | 6.460       | 522           | 523         | 526          | rBV2     | 5630           | 6862          | 0.46%           | 0.046%        |
| 16        | 6.872       | 592           | 593         | 595          | rVV2     | 9378           | 6099          | 0.41%           | 0.041%        |
| 17        | 6.895       | 595           | 597         | 598          | rVV      | 7592           | 5831          | 0.39%           | 0.039%        |
| 18        | 6.919       | 598           | 601         | 606          | rVV5     | 9938           | 18446         | 1.24%           | 0.124%        |
| 19        | 6.966       | 606           | 609         | 611          | rVB2     | 11610          | 11576         | 0.78%           | 0.078%        |
| 20        | 7.401       | 681           | 683         | 686          | rBV      | 6254           | 7009          | 0.47%           | 0.047%        |
| 21        | 7.465       | 686           | 694         | 705          | rVV      | 151195         | 295392        | 19.89%          | 1.991%        |
| 22        | 7.641       | 722           | 724         | 725          | rBV2     | 7822           | 7535          | 0.51%           | 0.051%        |
| 23        | 7.671       | 725           | 729         | 737          | rVV      | 97505          | 166115        | 11.18%          | 1.119%        |
| 24        | 7.753       | 739           | 743         | 746          | rVB2     | 5248           | 7919          | 0.53%           | 0.053%        |
| 25        | 7.806       | 749           | 752         | 756          | rVB2     | 3269           | 5518          | 0.37%           | 0.037%        |
| 26        | 7.871       | 756           | 763         | 772          | rBV      | 142932         | 268566        | 18.08%          | 1.810%        |
| 27        | 8.129       | 802           | 807         | 809          | rBV3     | 7336           | 6667          | 0.45%           | 0.045%        |
| 28        | 8.158       | 809           | 812         | 814          | rBV      | 4328           | 5315          | 0.36%           | 0.036%        |
| 29        | 8.358       | 839           | 846         | 854          | rVV      | 242314         | 428591        | 28.85%          | 2.888%        |
| 30        | 8.593       | 883           | 886         | 887          | rBV2     | 7094           | 7425          | 0.50%           | 0.050%        |
| 31        | 9.034       | 955           | 961         | 967          | rBV2     | 166327         | 288332        | 19.41%          | 1.943%        |
| 32        | 9.198       | 983           | 989         | 997          | rVB2     | 58036          | 109634        | 7.38%           | 0.739%        |
| 33        | 9.339       | 1010          | 1013        | 1015         | rVB3     | 5416           | 6700          | 0.45%           | 0.045%        |
| 34        | 9.551       | 1042          | 1049        | 1055         | rBV2     | 124921         | 236396        | 15.91%          | 1.593%        |
| 35        | 9.651       | 1062          | 1066        | 1068         | rVB2     | 4011           | 5572          | 0.38%           | 0.038%        |
| 36        | 9.862       | 1100          | 1102        | 1106         | rBV4     | 8578           | 9802          | 0.66%           | 0.066%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102723.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 9.915  | 1108 | 1111 | 1114 | rBV2 | 6444   | 9685   | 0.65%  | 0.065% |
| 38 | 10.033 | 1129 | 1131 | 1134 | rBV2 | 5379   | 7451   | 0.50%  | 0.050% |
| 39 | 10.168 | 1153 | 1154 | 1157 | rBV2 | 8145   | 5278   | 0.36%  | 0.036% |
| 40 | 10.274 | 1163 | 1172 | 1179 | rBV2 | 163910 | 299886 | 20.19% | 2.021% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 41 | 10.344 | 1179 | 1184 | 1191 | rVV4 | 25821  | 51305  | 3.45%  | 0.346% |
| 42 | 10.503 | 1210 | 1211 | 1214 | rVB  | 7682   | 6467   | 0.44%  | 0.044% |
| 43 | 10.638 | 1228 | 1234 | 1238 | rVB3 | 13664  | 25196  | 1.70%  | 0.170% |
| 44 | 10.691 | 1241 | 1243 | 1245 | rBV  | 5323   | 5187   | 0.35%  | 0.035% |
| 45 | 10.797 | 1253 | 1261 | 1270 | rVB3 | 266835 | 469113 | 31.58% | 3.161% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 46 | 10.879 | 1273 | 1275 | 1278 | rVB2 | 6978   | 6521   | 0.44%  | 0.044% |
| 47 | 11.026 | 1299 | 1300 | 1303 | rBV3 | 8436   | 7011   | 0.47%  | 0.047% |
| 48 | 11.202 | 1322 | 1330 | 1337 | rBV  | 464382 | 873629 | 58.81% | 5.887% |
| 49 | 11.343 | 1347 | 1354 | 1363 | rVB2 | 159520 | 301236 | 20.28% | 2.030% |
| 50 | 11.543 | 1386 | 1388 | 1395 | rBV6 | 6845   | 11108  | 0.75%  | 0.075% |

|    |        |      |      |      |      |       |      |       |        |
|----|--------|------|------|------|------|-------|------|-------|--------|
| 51 | 11.660 | 1406 | 1408 | 1409 | rVB6 | 11347 | 6242 | 0.42% | 0.042% |
| 52 | 11.801 | 1429 | 1432 | 1434 | rBV  | 6032  | 6353 | 0.43% | 0.043% |
| 53 | 12.066 | 1473 | 1477 | 1478 | rVB2 | 6735  | 6644 | 0.45% | 0.045% |
| 54 | 12.142 | 1488 | 1490 | 1494 | rBV3 | 4604  | 6566 | 0.44% | 0.044% |
| 55 | 12.195 | 1498 | 1499 | 1503 | rBV3 | 7229  | 7732 | 0.52% | 0.052% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 56 | 12.295 | 1512 | 1516 | 1519 | rBV2 | 10013 | 13358 | 0.90% | 0.090% |
| 57 | 12.500 | 1550 | 1551 | 1554 | rBV2 | 7833  | 7829  | 0.53% | 0.053% |
| 58 | 12.688 | 1580 | 1583 | 1586 | rVB3 | 9382  | 11292 | 0.76% | 0.076% |
| 59 | 12.730 | 1586 | 1590 | 1591 | rBV2 | 8128  | 8056  | 0.54% | 0.054% |
| 60 | 12.912 | 1617 | 1621 | 1622 | rBV2 | 9560  | 9965  | 0.67% | 0.067% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 61 | 13.123 | 1654 | 1657 | 1659 | rBV4 | 8780 | 8927 | 0.60% | 0.060% |
| 62 | 13.399 | 1701 | 1704 | 1705 | rBV2 | 7128 | 6681 | 0.45% | 0.045% |
| 63 | 13.452 | 1711 | 1713 | 1715 | rBV3 | 5869 | 5099 | 0.34% | 0.034% |
| 64 | 13.699 | 1753 | 1755 | 1756 | rBV3 | 8480 | 6607 | 0.44% | 0.045% |
| 65 | 13.717 | 1756 | 1758 | 1759 | rBV  | 7754 | 5817 | 0.39% | 0.039% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 66 | 13.817 | 1771 | 1775 | 1779 | rVB3 | 30057 | 42397 | 2.85% | 0.286% |
| 67 | 13.952 | 1795 | 1798 | 1800 | rBV2 | 8315  | 10808 | 0.73% | 0.073% |
| 68 | 14.028 | 1809 | 1811 | 1812 | rBV2 | 7955  | 5399  | 0.36% | 0.036% |
| 69 | 14.075 | 1815 | 1819 | 1823 | rVB4 | 7309  | 9791  | 0.66% | 0.066% |
| 70 | 14.104 | 1823 | 1824 | 1826 | rBV  | 8557  | 7326  | 0.49% | 0.049% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 71 | 14.275 | 1850 | 1853 | 1855 | rBV2 | 5767   | 5495   | 0.37%  | 0.037% |
| 72 | 14.375 | 1863 | 1870 | 1876 | rVB  | 521070 | 741941 | 49.95% | 5.000% |
| 73 | 14.422 | 1876 | 1878 | 1880 | rBV2 | 8752   | 7197   | 0.48%  | 0.048% |
| 74 | 14.586 | 1904 | 1906 | 1909 | rVB4 | 8571   | 6250   | 0.42%  | 0.042% |
| 75 | 14.686 | 1917 | 1923 | 1929 | rBV2 | 551476 | 876463 | 59.00% | 5.906% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 76 | 14.798 | 1939 | 1942 | 1946 | rBV5 | 13910 | 17326 | 1.17% | 0.117% |
|----|--------|------|------|------|------|-------|-------|-------|--------|

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Integration Parameters: LSCINT.P

Integrator: RTE

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Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102723.MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |         |         |         |
|-----|--------|------|------|------|------|--------|---------|---------|---------|
| 77  | 14.939 | 1964 | 1966 | 1967 | rBV2 | 7766   | 5346    | 0.36%   | 0.036%  |
| 78  | 14.986 | 1967 | 1974 | 1980 | rVV  | 761582 | 1209703 | 81.44%  | 8.152%  |
| 79  | 15.150 | 1994 | 2002 | 2007 | rBV2 | 217608 | 356496  | 24.00%  | 2.402%  |
| 80  | 15.215 | 2011 | 2013 | 2015 | rVB3 | 8160   | 5865    | 0.39%   | 0.040%  |
| 81  | 15.327 | 2028 | 2032 | 2038 | rBV8 | 23215  | 43951   | 2.96%   | 0.296%  |
| 82  | 15.468 | 2054 | 2056 | 2059 | rBV3 | 8428   | 7406    | 0.50%   | 0.050%  |
| 83  | 15.685 | 2091 | 2093 | 2095 | rBV3 | 8997   | 7579    | 0.51%   | 0.051%  |
| 84  | 15.973 | 2136 | 2142 | 2149 | rVB  | 682188 | 1078104 | 72.58%  | 7.265%  |
| 85  | 16.026 | 2149 | 2151 | 2154 | rBV4 | 11386  | 14237   | 0.96%   | 0.096%  |
| 86  | 16.073 | 2154 | 2159 | 2165 | rVB3 | 121973 | 188089  | 12.66%  | 1.267%  |
| 87  | 16.202 | 2178 | 2181 | 2183 | rBV4 | 12646  | 17942   | 1.21%   | 0.121%  |
| 88  | 16.355 | 2205 | 2207 | 2208 | rBV  | 10023  | 6344    | 0.43%   | 0.043%  |
| 89  | 16.613 | 2247 | 2251 | 2258 | rVB7 | 24984  | 51810   | 3.49%   | 0.349%  |
| 90  | 16.760 | 2271 | 2276 | 2281 | rBV8 | 18165  | 35782   | 2.41%   | 0.241%  |
| 91  | 17.553 | 2406 | 2411 | 2415 | rBV7 | 58811  | 90659   | 6.10%   | 0.611%  |
| 92  | 17.618 | 2420 | 2422 | 2425 | rVB4 | 41264  | 37503   | 2.52%   | 0.253%  |
| 93  | 17.735 | 2434 | 2442 | 2448 | rBV  | 922410 | 1485437 | 100.00% | 10.010% |
| 94  | 17.835 | 2453 | 2459 | 2464 | rVV  | 679614 | 1058741 | 71.27%  | 7.134%  |
| 95  | 18.441 | 2560 | 2562 | 2568 | rVB6 | 50824  | 58652   | 3.95%   | 0.395%  |
| 96  | 18.499 | 2569 | 2572 | 2577 | rVB5 | 53500  | 63912   | 4.30%   | 0.431%  |
| 97  | 18.552 | 2577 | 2581 | 2587 | rBV2 | 381082 | 518964  | 34.94%  | 3.497%  |
| 98  | 19.815 | 2793 | 2796 | 2800 | rVB5 | 116029 | 129494  | 8.72%   | 0.873%  |
| 99  | 20.103 | 2840 | 2845 | 2854 | rBV2 | 800974 | 1230818 | 82.86%  | 8.294%  |
| 100 | 22.072 | 3175 | 3180 | 3187 | rVB2 | 654402 | 1134478 | 76.37%  | 7.645%  |

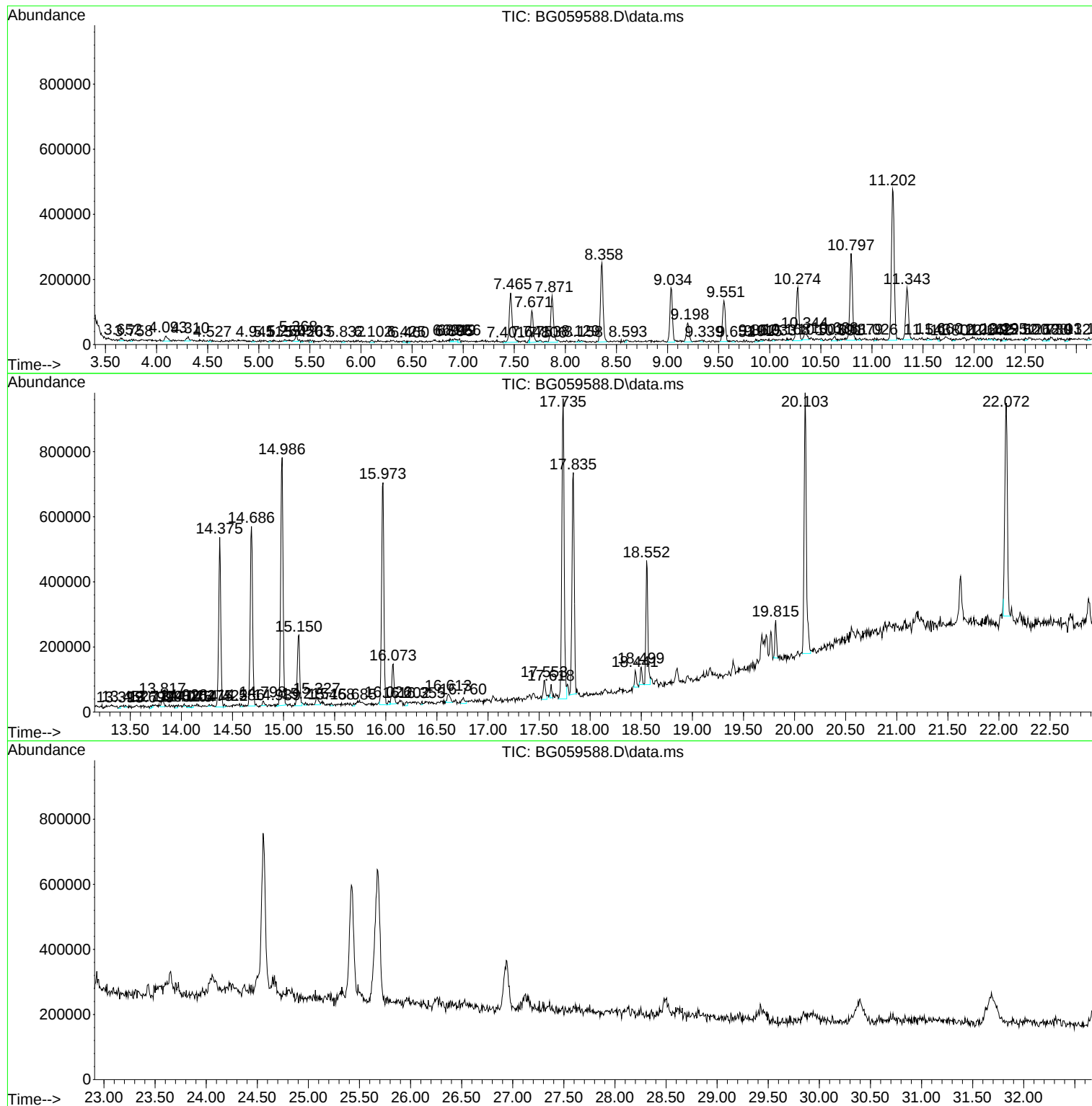
Sum of corrected areas: 14839985

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102723.MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P



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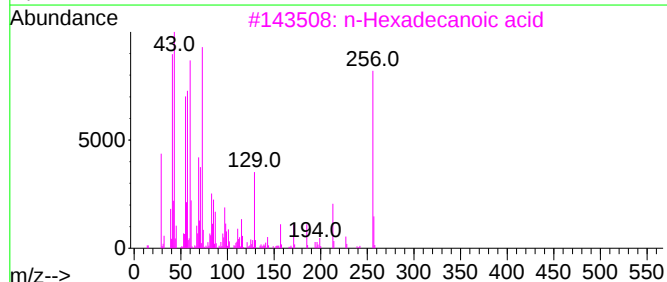
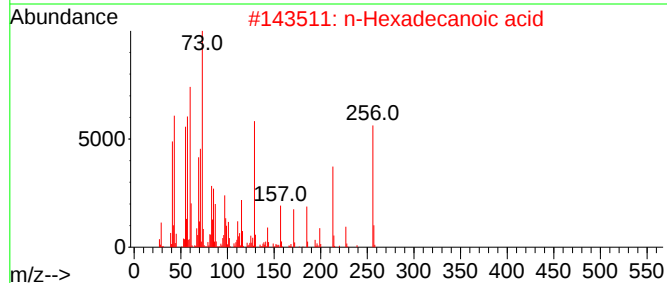
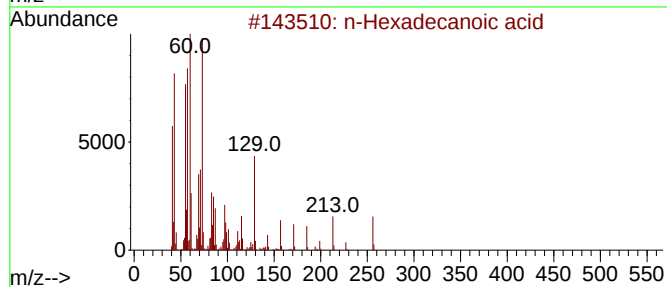
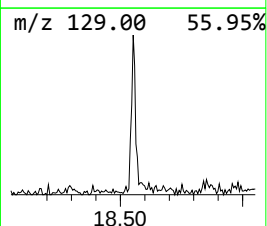
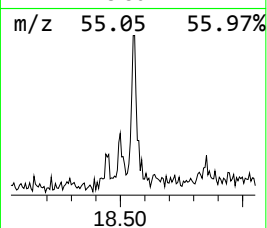
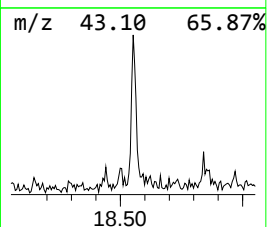
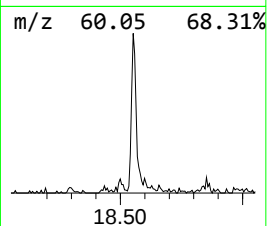
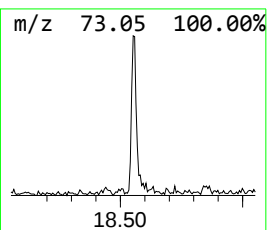
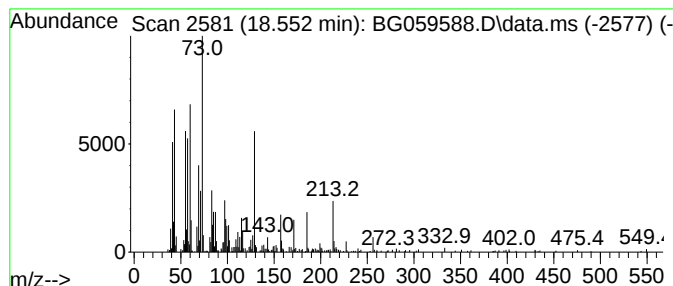
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102723.MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.552 | 6.99 ng/ul | 518964 | Phenanthrene-d10 | 17.735 |

| 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 | 95   |
| 3    |    |   | n-Hexadecanoic acid   | 256 | C16H32O2 | 000057-10-3 | 93   |
| 4    |    |   | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 83   |
| 5    |    |   | Tridecanoic acid      | 214 | C13H26O2 | 000638-53-9 | 64   |



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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| n-Hexadecanoic ... | 18.552 | 7.0     | ng/ul | 518964   | 4                     | 17.735 | 1485440 | 20.0 |