

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM112219\  
 Data File : BM023884.D  
 Acq On : 23 Nov 2019 07:31  
 Operator : JU  
 Sample : K5854-10  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AC8

## 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-BM111119MA.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         | 3.052       | 26            | 28          | 39           | rVB2     | 47295          | 85368         | 1.39%           | 0.128%        |
| 2         | 3.675       | 130           | 134         | 143          | rVB      | 44543          | 85584         | 1.40%           | 0.128%        |
| 3         | 3.752       | 145           | 147         | 152          | rVB3     | 21037          | 28743         | 0.47%           | 0.043%        |
| 4         | 4.664       | 298           | 302         | 309          | rBV      | 47423          | 79714         | 1.30%           | 0.120%        |
| 5         | 4.734       | 312           | 314         | 317          | rVB4     | 5657           | 6518          | 0.11%           | 0.010%        |
| 6         | 5.122       | 378           | 380         | 385          | rBV6     | 4917           | 6613          | 0.11%           | 0.010%        |
| 7         | 5.387       | 421           | 425         | 428          | rVB6     | 5181           | 6345          | 0.10%           | 0.010%        |
| 8         | 6.699       | 642           | 648         | 666          | rVB2     | 760237         | 1534507       | 25.06%          | 2.301%        |
| 9         | 6.852       | 666           | 674         | 689          | rBV      | 568412         | 985291        | 16.09%          | 1.478%        |
| 10        | 7.046       | 699           | 707         | 719          | rBV      | 839557         | 1374970       | 22.46%          | 2.062%        |
| 11        | 7.146       | 722           | 724         | 728          | rVB5     | 6265           | 7195          | 0.12%           | 0.011%        |
| 12        | 7.505       | 778           | 785         | 796          | rBV      | 1364454        | 2173849       | 35.51%          | 3.260%        |
| 13        | 7.593       | 796           | 800         | 802          | rBV4     | 8662           | 11778         | 0.19%           | 0.018%        |
| 14        | 8.222       | 901           | 907         | 921          | rBV      | 742379         | 1297450       | 21.19%          | 1.946%        |
| 15        | 8.334       | 924           | 926         | 934          | rVB2     | 16583          | 26576         | 0.43%           | 0.040%        |
| 16        | 8.657       | 973           | 981         | 994          | rBV      | 732572         | 1242582       | 20.30%          | 1.864%        |
| 17        | 8.834       | 1006          | 1011        | 1017         | rVB9     | 7382           | 16297         | 0.27%           | 0.024%        |
| 18        | 9.104       | 1052          | 1057        | 1063         | rBV      | 27666          | 44517         | 0.73%           | 0.067%        |
| 19        | 9.375       | 1097          | 1103        | 1116         | rBV      | 596211         | 1011593       | 16.52%          | 1.517%        |
| 20        | 9.916       | 1188          | 1195        | 1208         | rBV      | 908278         | 1639499       | 26.78%          | 2.459%        |
| 21        | 10.081      | 1217          | 1223        | 1225         | rBV7     | 4219           | 6400          | 0.10%           | 0.010%        |
| 22        | 10.281      | 1249          | 1257        | 1272         | rBV      | 1903925        | 3169093       | 51.76%          | 4.753%        |
| 23        | 10.428      | 1275          | 1282        | 1296         | rBV      | 670076         | 1296102       | 21.17%          | 1.944%        |
| 24        | 10.857      | 1350          | 1355        | 1358         | rBV6     | 4154           | 7167          | 0.12%           | 0.011%        |
| 25        | 11.722      | 1497          | 1502        | 1505         | rBV5     | 6076           | 11580         | 0.19%           | 0.017%        |
| 26        | 11.881      | 1525          | 1529        | 1536         | rVB3     | 16188          | 27357         | 0.45%           | 0.041%        |
| 27        | 11.957      | 1537          | 1542        | 1549         | rVB8     | 6278           | 12000         | 0.20%           | 0.018%        |
| 28        | 12.175      | 1575          | 1579        | 1585         | rBV8     | 5032           | 11460         | 0.19%           | 0.017%        |
| 29        | 12.516      | 1631          | 1637        | 1640         | rBV5     | 6980           | 11947         | 0.20%           | 0.018%        |
| 30        | 12.775      | 1676          | 1681        | 1684         | rBV4     | 9863           | 14229         | 0.23%           | 0.021%        |
| 31        | 13.004      | 1712          | 1720        | 1724         | rBV8     | 10750          | 19706         | 0.32%           | 0.030%        |
| 32        | 13.075      | 1729          | 1732        | 1738         | rVB5     | 5019           | 7885          | 0.13%           | 0.012%        |
| 33        | 13.428      | 1790          | 1792        | 1796         | rBV4     | 6310           | 9568          | 0.16%           | 0.014%        |
| 34        | 13.492      | 1798          | 1803        | 1808         | rVB8     | 14401          | 27627         | 0.45%           | 0.041%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111119MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.539 | 1808 | 1811 | 1813 | rBV4 | 5327    | 7198    | 0.12%  | 0.011% |
| 36 | 13.586 | 1813 | 1819 | 1823 | rBV  | 1669527 | 2350140 | 38.38% | 3.525% |
| 37 | 13.634 | 1823 | 1827 | 1833 | rVB  | 347501  | 498225  | 8.14%  | 0.747% |
| 38 | 13.857 | 1858 | 1865 | 1876 | rBV  | 2092985 | 3173649 | 51.84% | 4.760% |
| 39 | 14.092 | 1903 | 1905 | 1910 | rVB3 | 12285   | 14607   | 0.24%  | 0.022% |
| 40 | 14.169 | 1910 | 1918 | 1927 | rBV  | 2883408 | 4321780 | 70.59% | 6.482% |
| 41 | 14.410 | 1950 | 1959 | 1977 | rBV  | 329695  | 775172  | 12.66% | 1.163% |
| 42 | 14.604 | 1986 | 1992 | 1999 | rVB5 | 55619   | 91129   | 1.49%  | 0.137% |
| 43 | 14.792 | 2020 | 2024 | 2026 | rBV5 | 5769    | 6491    | 0.11%  | 0.010% |
| 44 | 14.851 | 2031 | 2034 | 2037 | rVB5 | 7327    | 10040   | 0.16%  | 0.015% |
| 45 | 14.998 | 2056 | 2059 | 2065 | rVB2 | 13576   | 27058   | 0.44%  | 0.041% |
| 46 | 15.051 | 2065 | 2068 | 2071 | rBV3 | 14032   | 16325   | 0.27%  | 0.024% |
| 47 | 15.169 | 2082 | 2088 | 2096 | rBV  | 2695588 | 3840468 | 62.73% | 5.760% |
| 48 | 15.310 | 2106 | 2112 | 2123 | rBV  | 304741  | 459103  | 7.50%  | 0.689% |
| 49 | 15.410 | 2124 | 2129 | 2133 | rVB2 | 32795   | 47196   | 0.77%  | 0.071% |
| 50 | 15.604 | 2160 | 2162 | 2167 | rVB6 | 4955    | 6243    | 0.10%  | 0.009% |
| 51 | 15.751 | 2183 | 2187 | 2188 | rBV4 | 5700    | 6394    | 0.10%  | 0.010% |
| 52 | 15.863 | 2202 | 2206 | 2208 | rBV4 | 9625    | 9987    | 0.16%  | 0.015% |
| 53 | 15.916 | 2212 | 2215 | 2218 | rVV4 | 14221   | 18047   | 0.29%  | 0.027% |
| 54 | 15.951 | 2218 | 2221 | 2226 | rVB7 | 14432   | 24799   | 0.41%  | 0.037% |
| 55 | 16.086 | 2238 | 2244 | 2246 | rBV6 | 7185    | 10804   | 0.18%  | 0.016% |
| 56 | 16.175 | 2254 | 2259 | 2263 | rVB5 | 7756    | 10788   | 0.18%  | 0.016% |
| 57 | 16.327 | 2281 | 2285 | 2287 | rVB5 | 5352    | 6142    | 0.10%  | 0.009% |
| 58 | 16.357 | 2287 | 2290 | 2299 | rBV9 | 9014    | 20835   | 0.34%  | 0.031% |
| 59 | 16.427 | 2299 | 2302 | 2304 | rVB4 | 6076    | 6461    | 0.11%  | 0.010% |
| 60 | 16.474 | 2306 | 2310 | 2319 | rBV2 | 34974   | 58894   | 0.96%  | 0.088% |
| 61 | 16.557 | 2322 | 2324 | 2326 | rBV3 | 4909    | 6260    | 0.10%  | 0.009% |
| 62 | 16.710 | 2346 | 2350 | 2354 | rBV2 | 25041   | 36671   | 0.60%  | 0.055% |
| 63 | 16.745 | 2354 | 2356 | 2360 | rVB5 | 11173   | 13655   | 0.22%  | 0.020% |
| 64 | 16.851 | 2370 | 2374 | 2379 | rBV5 | 14263   | 28033   | 0.46%  | 0.042% |
| 65 | 16.922 | 2379 | 2386 | 2391 | rVV  | 3644673 | 5076866 | 82.92% | 7.614% |
| 66 | 16.963 | 2391 | 2393 | 2397 | rVV  | 104996  | 127626  | 2.08%  | 0.191% |
| 67 | 17.022 | 2397 | 2403 | 2415 | rVV  | 2837099 | 4124923 | 67.37% | 6.187% |
| 68 | 17.133 | 2418 | 2422 | 2426 | rVB7 | 20818   | 29957   | 0.49%  | 0.045% |
| 69 | 17.198 | 2426 | 2433 | 2444 | rBV7 | 23516   | 90228   | 1.47%  | 0.135% |
| 70 | 17.333 | 2452 | 2456 | 2461 | rVB6 | 44820   | 60627   | 0.99%  | 0.091% |
| 71 | 17.451 | 2473 | 2476 | 2479 | rBV4 | 10665   | 17227   | 0.28%  | 0.026% |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111119MA.M  
 Title : SVOA CALIBRATION

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|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 17.798 | 2532 | 2535 | 2538 | rBV  | 15906   | 19308   | 0.32%   | 0.029% |
| 73 | 17.845 | 2538 | 2543 | 2551 | rBV2 | 319128  | 502398  | 8.21%   | 0.753% |
| 74 | 17.986 | 2564 | 2567 | 2571 | rBV5 | 22288   | 30899   | 0.50%   | 0.046% |
| 75 | 18.151 | 2590 | 2595 | 2600 | rBV5 | 55815   | 101194  | 1.65%   | 0.152% |
| 76 | 18.274 | 2613 | 2616 | 2619 | rBV4 | 21860   | 30325   | 0.50%   | 0.045% |
| 77 | 18.304 | 2619 | 2621 | 2626 | rVV4 | 18029   | 25111   | 0.41%   | 0.038% |
| 78 | 18.727 | 2689 | 2693 | 2697 | rBV4 | 30330   | 46223   | 0.75%   | 0.069% |
| 79 | 18.986 | 2734 | 2737 | 2746 | rVB  | 203551  | 288377  | 4.71%   | 0.433% |
| 80 | 19.133 | 2759 | 2762 | 2770 | rBV3 | 89074   | 141351  | 2.31%   | 0.212% |
| 81 | 19.321 | 2789 | 2794 | 2804 | rBV  | 3517156 | 5236002 | 85.52%  | 7.853% |
| 82 | 20.862 | 3053 | 3056 | 3061 | rBV  | 652877  | 848636  | 13.86%  | 1.273% |
| 83 | 21.127 | 3096 | 3101 | 3105 | rBV  | 4516835 | 5793289 | 94.62%  | 8.689% |
| 84 | 23.145 | 3439 | 3444 | 3449 | rBV  | 2824272 | 4599542 | 75.12%  | 6.898% |
| 85 | 23.280 | 3461 | 3467 | 3479 | rVB  | 3511542 | 6122596 | 100.00% | 9.183% |
| 86 | 23.809 | 3554 | 3557 | 3564 | rVB  | 687147  | 1162979 | 18.99%  | 1.744% |

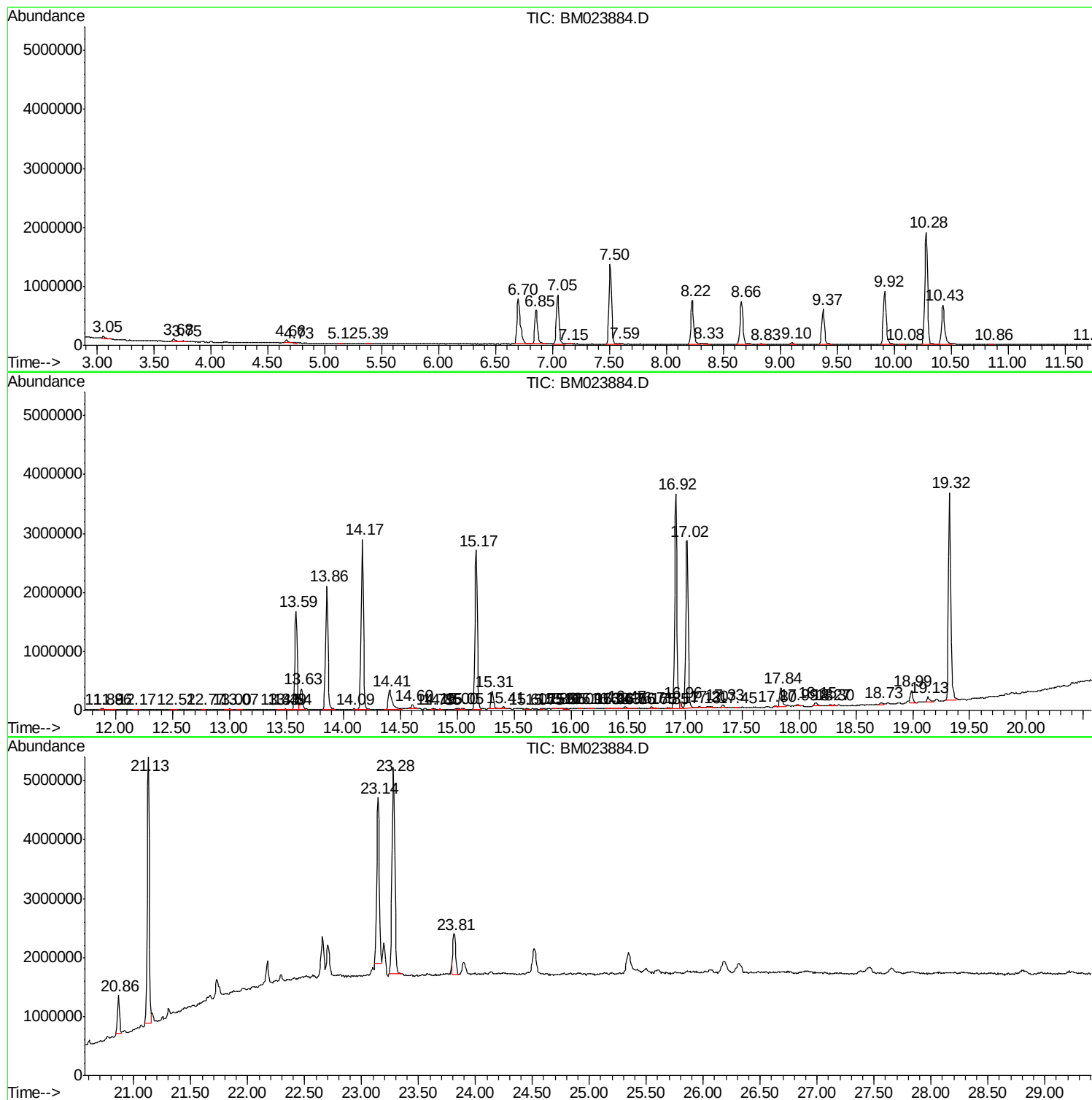
Sum of corrected areas: 66675388

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
Quant Title : SVOA CALIBRATION

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



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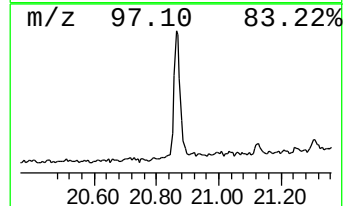
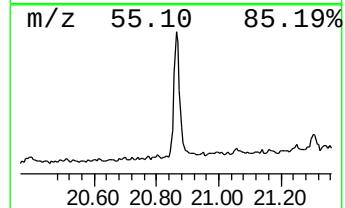
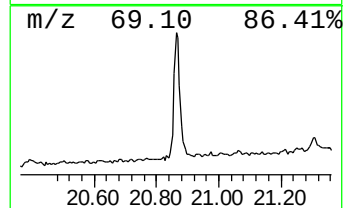
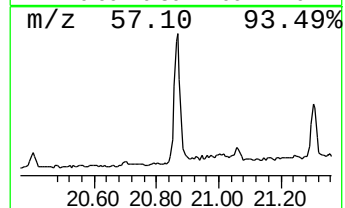
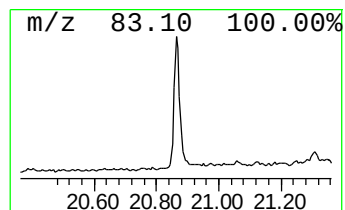
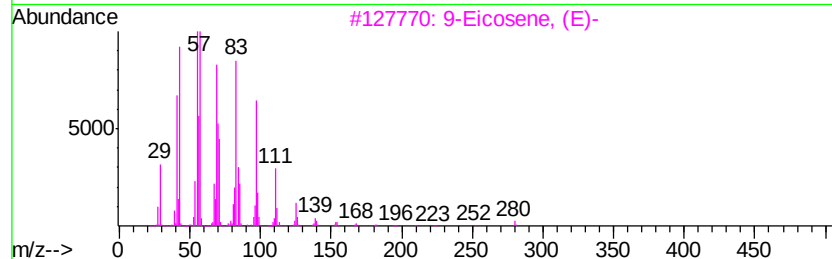
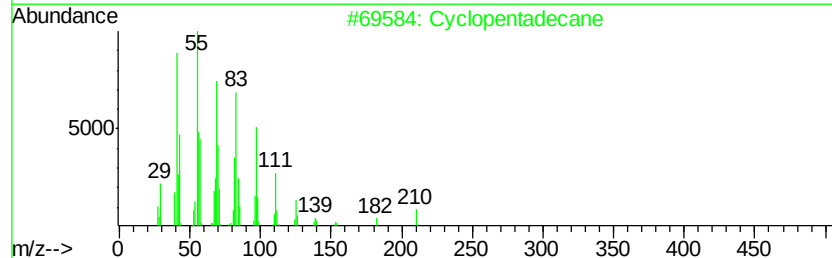
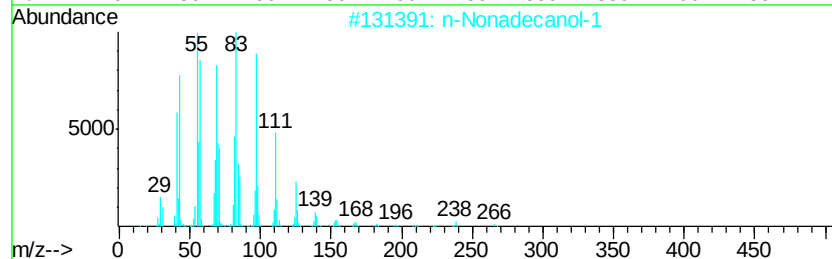
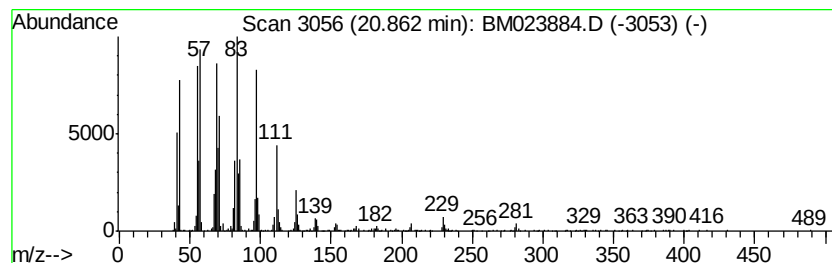
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111119MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 n-Nonadecanol-1 Concentration Rank 2

| R.T.    | EstConc                             | Area           | Relative to ISTD | R.T.      |
|---------|-------------------------------------|----------------|------------------|-----------|
| 20.86   | 2.93 ng/ul                          | 848636         | Chrysene-d12     | 21.13     |
| Hit# of | 5                                   | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | n-Nonadecanol-1                     | 284 C19H40O    | 001454-84-8      | 94        |
| 2       | Cyclopentadecane                    | 210 C15H30     | 000295-48-7      | 93        |
| 3       | 9-Eicosene, (E)-                    | 280 C20H40     | 074685-29-3      | 93        |
| 4       | Heptafluorobutyric acid, pentade... | 424 C19H31F7O2 | 959261-23-5      | 93        |
| 5       | Pentafluoropropionic acid, penta... | 374 C18H31F5O2 | 959092-08-1      | 93        |



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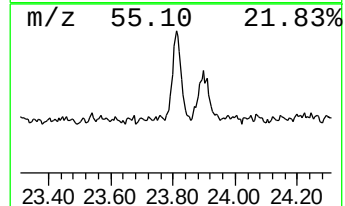
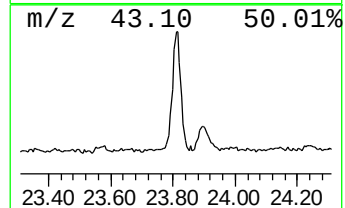
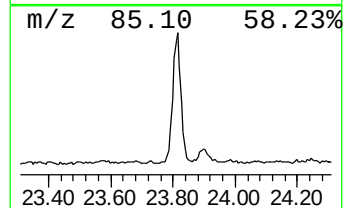
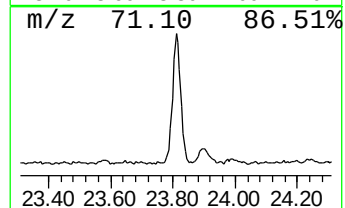
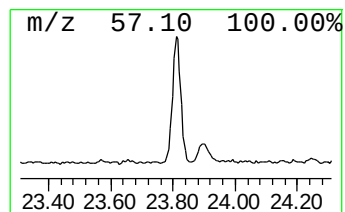
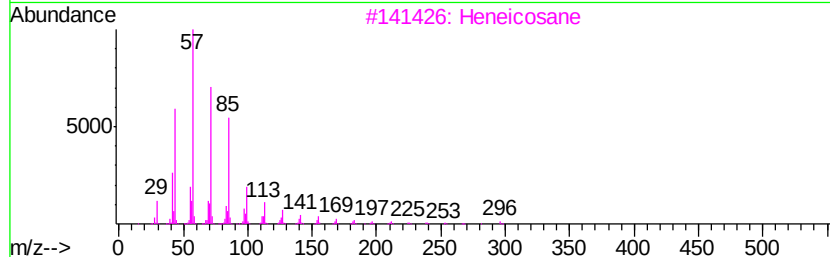
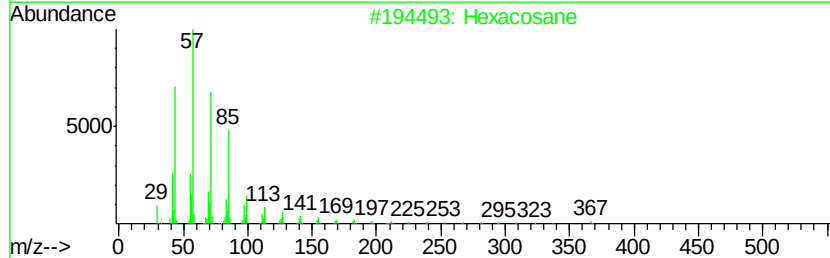
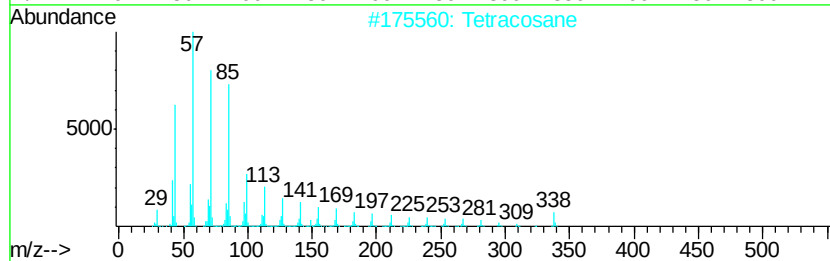
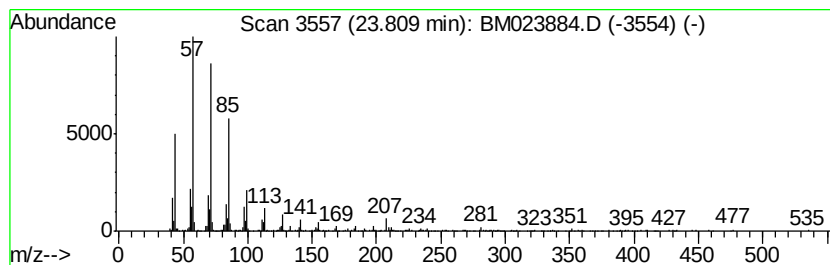
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.81 | 3.80 ng/ul | 1162980 | Perylene-d12     | 23.28 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |
| 2    |    |   | Hexacosane   | 366 | C26H54  | 000630-01-3 | 91   |
| 3    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    |   | Heptadecane  | 240 | C17H36  | 000629-78-7 | 91   |
| 5    |    |   | triacontane  | 422 | C30H62  | 000638-68-6 | 91   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | ---Internal Standard--- |       |         |      |
|----------------------|-------|---------|-------|----------|-------------------------|-------|---------|------|
|                      |       |         |       |          | #                       | RT    | Resp    | Conc |
| n-Nonadecanol-1      | 20.86 | 2.9     | ng/ul | 848636   | 5                       | 21.13 | 5793290 | 20.0 |
| (DEL) Alkane: Str... | 23.81 | 3.8     | ng/ul | 1162980  | 6                       | 23.28 | 6122600 | 20.0 |