

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050721\  
 Data File : BM029886.D  
 Acq On : 07 May 2021 21:34  
 Operator : CG/JU  
 Sample : M2129-07  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E0AC3

## 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\SFAM-EPA-BM050721.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      | 3.487    | 100        | 102      | 131       | rVB   | 220570      | 590074     | 12.48%       | 1.312%     |
| 2      | 5.581    | 454        | 458      | 463       | rBV4  | 9967        | 17452      | 0.37%        | 0.039%     |
| 3      | 6.740    | 649        | 655      | 676       | rBV   | 491053      | 946630     | 20.02%       | 2.104%     |
| 4      | 6.904    | 677        | 683      | 697       | rVV   | 376423      | 680142     | 14.38%       | 1.512%     |
| 5      | 7.093    | 709        | 715      | 729       | rBV   | 554662      | 947638     | 20.04%       | 2.106%     |
| 6      | 7.557    | 787        | 794      | 806       | rBV   | 468135      | 812640     | 17.18%       | 1.806%     |
| 7      | 8.269    | 909        | 915      | 932       | rBV   | 646640      | 1212314    | 25.64%       | 2.695%     |
| 8      | 8.710    | 984        | 990      | 1014      | rBV   | 531694      | 973782     | 20.59%       | 2.165%     |
| 9      | 9.128    | 1057       | 1061     | 1066      | rVB5  | 4136        | 5974       | 0.13%        | 0.013%     |
| 10     | 9.428    | 1105       | 1112     | 1131      | rBV   | 437977      | 795942     | 16.83%       | 1.769%     |
| 11     | 9.751    | 1163       | 1167     | 1173      | rBV8  | 3492        | 6548       | 0.14%        | 0.015%     |
| 12     | 9.963    | 1196       | 1203     | 1222      | rBV   | 637608      | 1215647    | 25.71%       | 2.702%     |
| 13     | 10.328   | 1258       | 1265     | 1275      | rBV   | 738680      | 1259965    | 26.64%       | 2.801%     |
| 14     | 10.481   | 1283       | 1291     | 1317      | rBV   | 559506      | 1261652    | 26.68%       | 2.804%     |
| 15     | 11.410   | 1445       | 1449     | 1453      | rBV5  | 5481        | 11074      | 0.23%        | 0.025%     |
| 16     | 11.698   | 1492       | 1498     | 1503      | rBV4  | 12065       | 22384      | 0.47%        | 0.050%     |
| 17     | 11.945   | 1533       | 1540     | 1545      | rBV5  | 6446        | 15350      | 0.32%        | 0.034%     |
| 18     | 12.122   | 1563       | 1570     | 1586      | rBV2  | 14119       | 43550      | 0.92%        | 0.097%     |
| 19     | 12.810   | 1681       | 1687     | 1692      | rBV7  | 4164        | 7417       | 0.16%        | 0.016%     |
| 20     | 13.033   | 1720       | 1725     | 1731      | rVB6  | 5109        | 9905       | 0.21%        | 0.022%     |
| 21     | 13.110   | 1731       | 1738     | 1743      | rBV2  | 23143       | 37714      | 0.80%        | 0.084%     |
| 22     | 13.622   | 1819       | 1825     | 1830      | rBV   | 1509919     | 2092384    | 44.25%       | 4.651%     |
| 23     | 13.669   | 1830       | 1833     | 1842      | rVB   | 142963      | 222706     | 4.71%        | 0.495%     |
| 24     | 13.892   | 1862       | 1871     | 1888      | rBV   | 1769601     | 2563916    | 54.22%       | 5.699%     |
| 25     | 14.116   | 1906       | 1909     | 1913      | rVB3  | 5670        | 7541       | 0.16%        | 0.017%     |
| 26     | 14.204   | 1917       | 1924     | 1939      | rVV   | 1226074     | 1833847    | 38.78%       | 4.076%     |
| 27     | 14.439   | 1958       | 1964     | 1991      | rBV   | 244614      | 756840     | 16.00%       | 1.682%     |
| 28     | 14.645   | 1997       | 1999     | 2003      | rVB5  | 4634        | 5974       | 0.13%        | 0.013%     |
| 29     | 14.839   | 2029       | 2032     | 2036      | rBV4  | 4841        | 6573       | 0.14%        | 0.015%     |
| 30     | 14.969   | 2049       | 2054     | 2059      | rBV   | 24251       | 35614      | 0.75%        | 0.079%     |
| 31     | 15.045   | 2064       | 2067     | 2068      | rVV2  | 6228        | 7335       | 0.16%        | 0.016%     |
| 32     | 15.074   | 2070       | 2072     | 2074      | rVB3  | 6446        | 5000       | 0.11%        | 0.011%     |
| 33     | 15.198   | 2087       | 2093     | 2111      | rBV   | 2108783     | 3148365    | 66.58%       | 6.998%     |
| 34     | 15.333   | 2111       | 2116     | 2130      | rVV   | 552993      | 815948     | 17.25%       | 1.814%     |

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Integrator: RTE  
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 Sampling : 1  
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 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\SFAM-EPA-BM050721.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 15.439 | 2130 | 2134 | 2138 | rVV3 | 22354   | 32199   | 0.68%  | 0.072% |
| 36 | 15.574 | 2153 | 2157 | 2160 | rBV3 | 9099    | 12375   | 0.26%  | 0.028% |
| 37 | 15.721 | 2179 | 2182 | 2188 | rBV2 | 11508   | 20615   | 0.44%  | 0.046% |
| 38 | 15.916 | 2205 | 2215 | 2221 | rBV3 | 47951   | 131536  | 2.78%  | 0.292% |
| 39 | 15.974 | 2222 | 2225 | 2234 | rVV6 | 40965   | 85097   | 1.80%  | 0.189% |
| 40 | 16.039 | 2234 | 2236 | 2241 | rVV6 | 11115   | 18335   | 0.39%  | 0.041% |
| 41 | 16.104 | 2244 | 2247 | 2251 | rVB6 | 4702    | 6208    | 0.13%  | 0.014% |
| 42 | 16.186 | 2258 | 2261 | 2266 | rVB  | 15157   | 21890   | 0.46%  | 0.049% |
| 43 | 16.245 | 2268 | 2271 | 2275 | rBV4 | 6689    | 10903   | 0.23%  | 0.024% |
| 44 | 16.351 | 2284 | 2289 | 2292 | rVB5 | 5056    | 8187    | 0.17%  | 0.018% |
| 45 | 16.410 | 2296 | 2299 | 2302 | rBV4 | 10170   | 15581   | 0.33%  | 0.035% |
| 46 | 16.633 | 2334 | 2337 | 2342 | rBV6 | 3922    | 6112    | 0.13%  | 0.014% |
| 47 | 16.692 | 2342 | 2347 | 2350 | rVV7 | 9595    | 12817   | 0.27%  | 0.028% |
| 48 | 16.727 | 2350 | 2353 | 2358 | rVV6 | 8930    | 16844   | 0.36%  | 0.037% |
| 49 | 16.780 | 2358 | 2362 | 2366 | rVB4 | 7915    | 12105   | 0.26%  | 0.027% |
| 50 | 16.880 | 2373 | 2379 | 2382 | rVB6 | 4217    | 7214    | 0.15%  | 0.016% |
| 51 | 16.951 | 2384 | 2391 | 2401 | rBV  | 1498369 | 2184232 | 46.19% | 4.855% |
| 52 | 17.045 | 2401 | 2407 | 2422 | rVV  | 2247091 | 3373184 | 71.33% | 7.498% |
| 53 | 17.151 | 2424 | 2425 | 2430 | rVB4 | 7505    | 10583   | 0.22%  | 0.024% |
| 54 | 17.739 | 2520 | 2525 | 2533 | rBV7 | 17024   | 32793   | 0.69%  | 0.073% |
| 55 | 17.804 | 2533 | 2536 | 2540 | rBV5 | 4386    | 5776    | 0.12%  | 0.013% |
| 56 | 17.857 | 2540 | 2545 | 2554 | rBV  | 110321  | 192263  | 4.07%  | 0.427% |
| 57 | 18.345 | 2625 | 2628 | 2629 | rBV3 | 6857    | 6252    | 0.13%  | 0.014% |
| 58 | 18.404 | 2635 | 2638 | 2642 | rBV6 | 3718    | 7042    | 0.15%  | 0.016% |
| 59 | 18.457 | 2644 | 2647 | 2652 | rVB4 | 9713    | 14448   | 0.31%  | 0.032% |
| 60 | 18.562 | 2662 | 2665 | 2670 | rBV7 | 6809    | 10966   | 0.23%  | 0.024% |
| 61 | 18.615 | 2670 | 2674 | 2678 | rVB  | 23624   | 31786   | 0.67%  | 0.071% |
| 62 | 18.980 | 2732 | 2736 | 2741 | rBV  | 26691   | 44571   | 0.94%  | 0.099% |
| 63 | 19.068 | 2747 | 2751 | 2756 | rVB3 | 21885   | 30298   | 0.64%  | 0.067% |
| 64 | 19.145 | 2761 | 2764 | 2773 | rBV4 | 21994   | 44054   | 0.93%  | 0.098% |
| 65 | 19.233 | 2776 | 2779 | 2787 | rVB  | 25851   | 38121   | 0.81%  | 0.085% |
| 66 | 19.345 | 2792 | 2798 | 2805 | rVV  | 3151137 | 4126210 | 87.26% | 9.172% |
| 67 | 19.404 | 2805 | 2808 | 2822 | rVB  | 100127  | 173024  | 3.66%  | 0.385% |
| 68 | 20.862 | 3052 | 3056 | 3065 | rBV2 | 215413  | 370166  | 7.83%  | 0.823% |
| 69 | 21.133 | 3097 | 3102 | 3116 | rBV  | 1894434 | 2644892 | 55.93% | 5.879% |
| 70 | 22.162 | 3274 | 3277 | 3282 | rVB  | 101630  | 118770  | 2.51%  | 0.264% |
| 71 | 22.645 | 3355 | 3359 | 3364 | rBV  | 210689  | 300096  | 6.35%  | 0.667% |

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Instrument :  
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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\_M\METHODS\SFAM-EPA-BM050721.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 72 | 23.156 | 3439 | 3446 | 3459 | rBV  | 2466131 | 4728810 | 100.00% | 10.511% |
| 73 | 23.292 | 3462 | 3469 | 3479 | rVV2 | 1497055 | 2694258 | 56.98%  | 5.989%  |
| 74 | 23.797 | 3550 | 3555 | 3563 | rVB  | 283750  | 547655  | 11.58%  | 1.217%  |
| 75 | 24.509 | 3671 | 3676 | 3685 | rVB  | 232166  | 463236  | 9.80%   | 1.030%  |

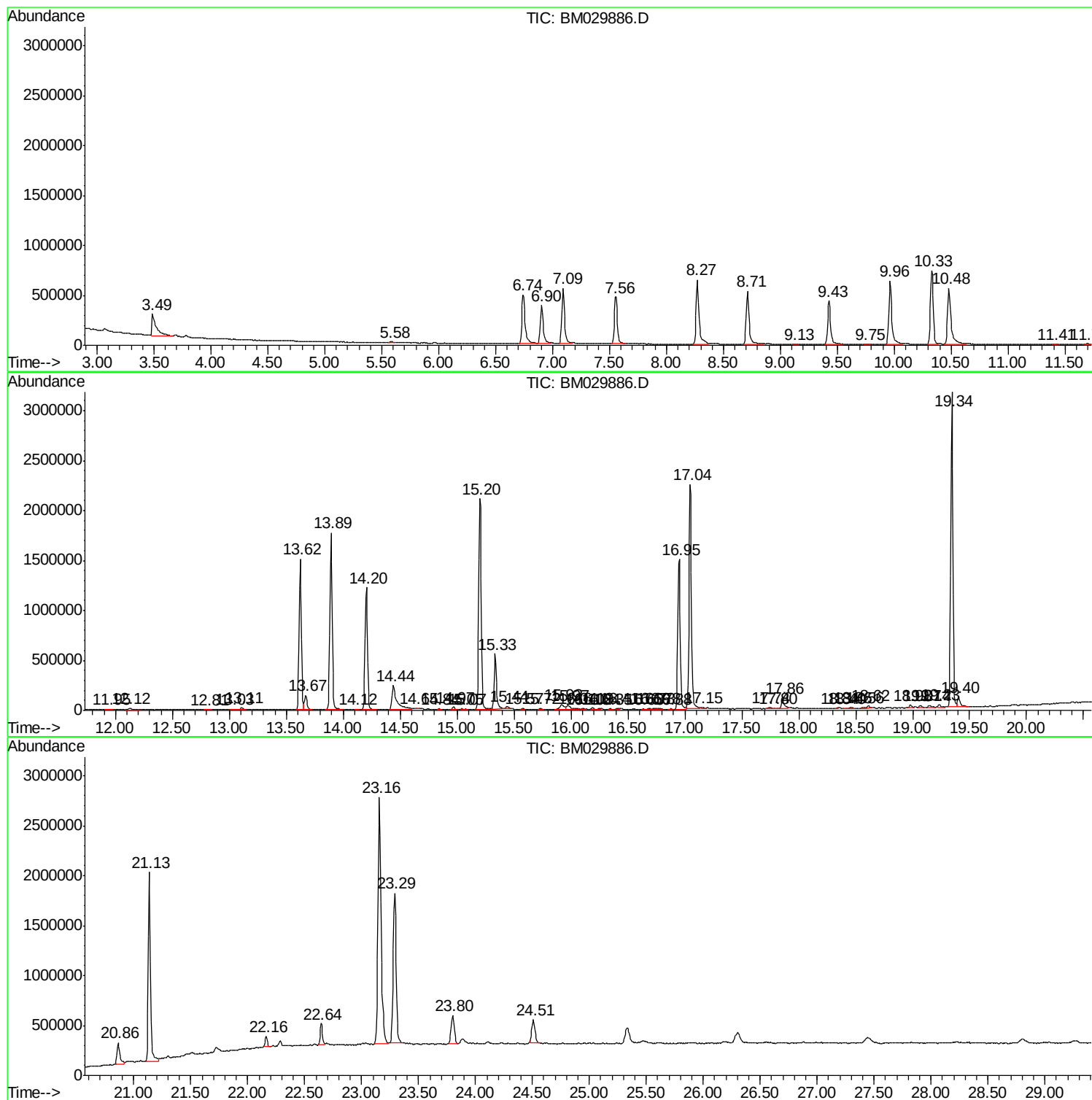
Sum of corrected areas: 44987341

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050721.M  
Quant Title : SVOA CALIBRATION

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



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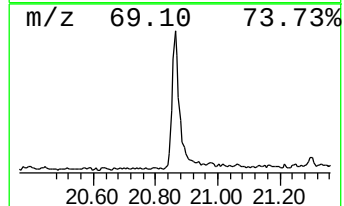
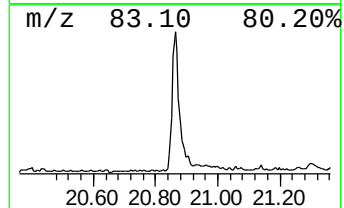
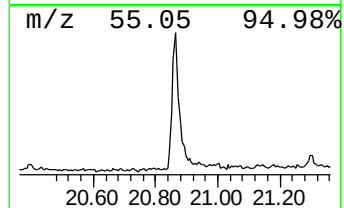
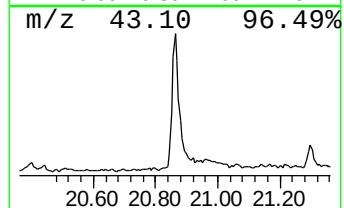
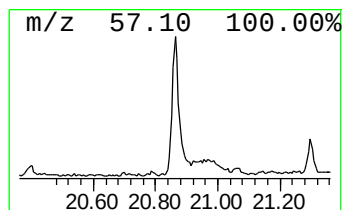
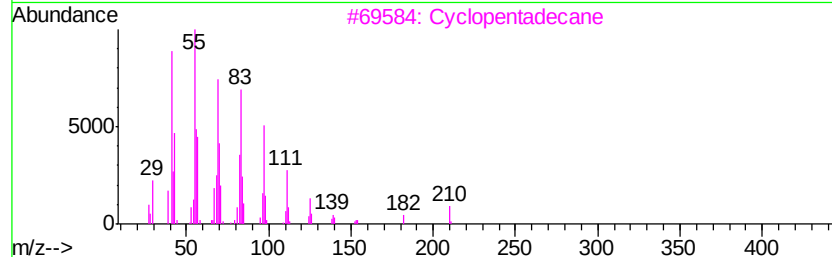
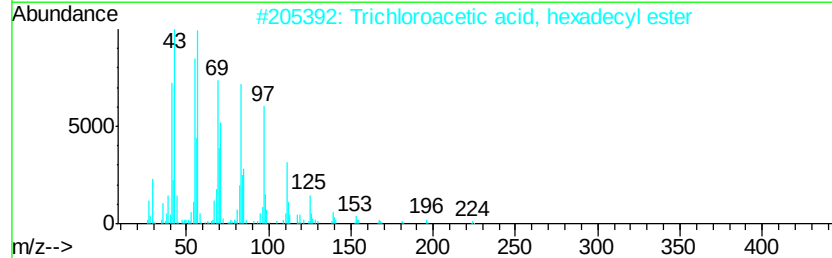
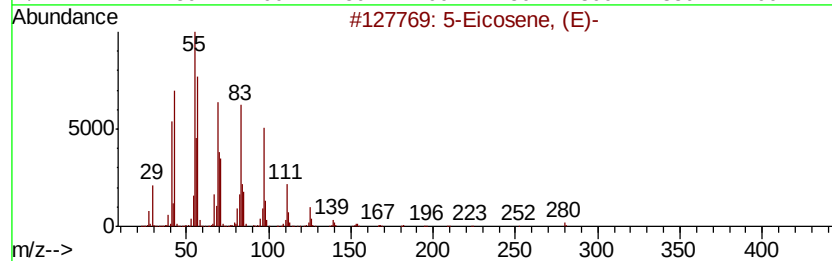
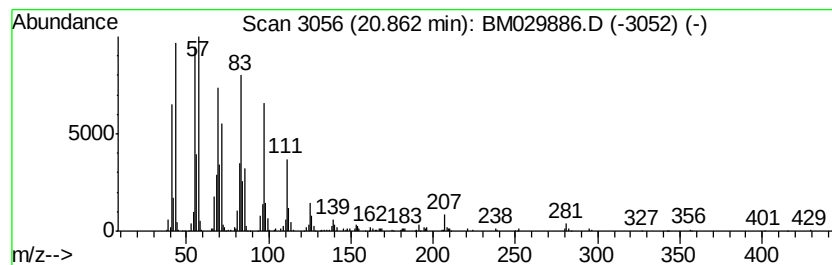
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050721.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |             |      |
|---------|-------------------------------------|--------------|------------------|-------------|-------------|------|
| 20.86   | 2.80 ng/ul                          | 370166       | Chrysene-d12     | 21.13       |             |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS#        | Qual |
| 1       | 5-Eicosene, (E)-                    |              | 280              | C20H40      | 074685-30-6 | 97   |
| 2       | Trichloroacetic acid, hexadecyl ... |              | 386              | C18H33Cl3O2 | 074339-54-1 | 95   |
| 3       | Cyclopentadecane                    |              | 210              | C15H30      | 000295-48-7 | 95   |
| 4       | Pentafluoropropionic acid, penta... |              | 374              | C18H31F5O2  | 959092-08-1 | 94   |
| 5       | Trichloroacetic acid, pentadecyl... |              | 372              | C17H31Cl3O2 | 074339-53-0 | 94   |



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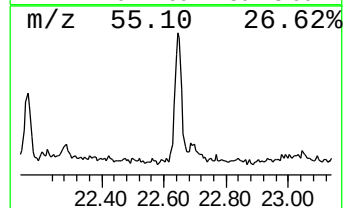
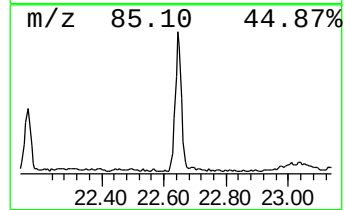
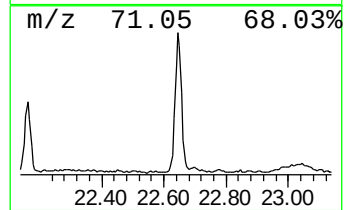
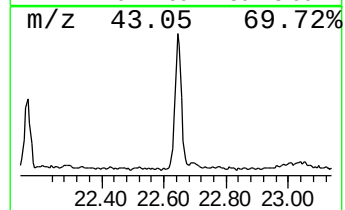
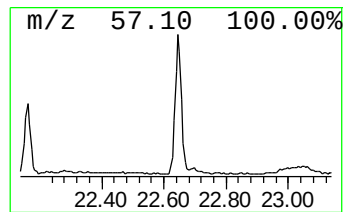
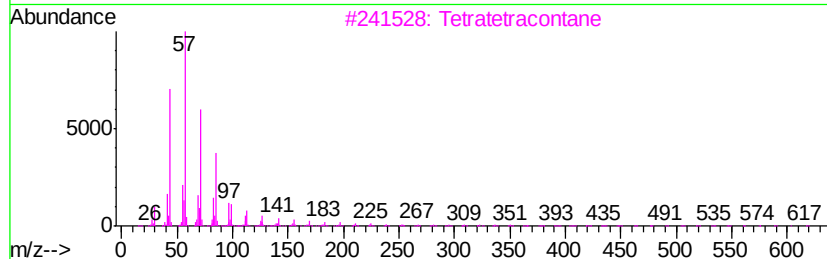
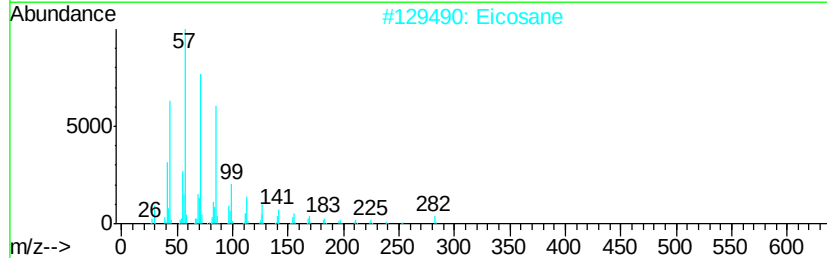
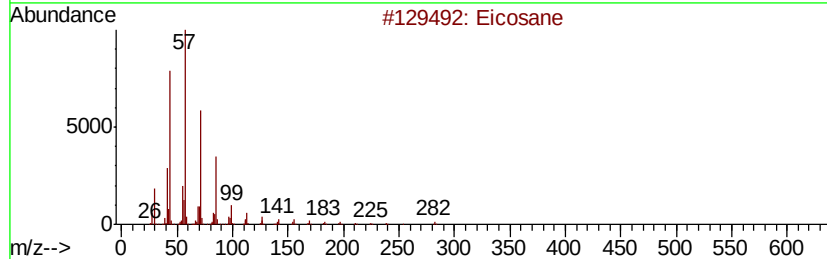
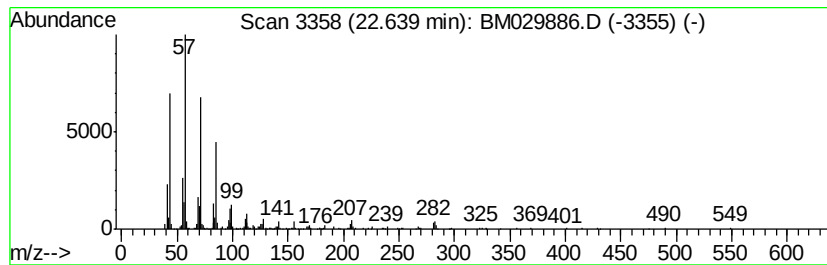
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.64 | 2.23 ng/ul | 300096 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosane           | 282 | C20H42  | 000112-95-8  | 97   |
| 2    |    | Eicosane           | 282 | C20H42  | 000112-95-8  | 96   |
| 3    |    | Tetratetracontane  | 619 | C44H90  | 007098-22-8  | 90   |
| 4    |    | Hexacosane         | 366 | C26H54  | 000630-01-3  | 90   |
| 5    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |



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Quant Title : SVOA CALIBRATION

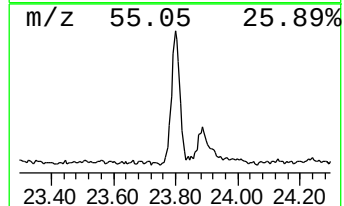
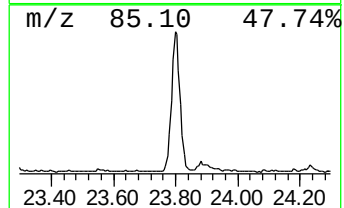
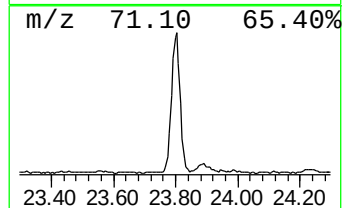
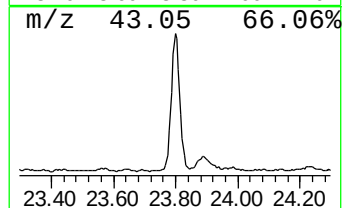
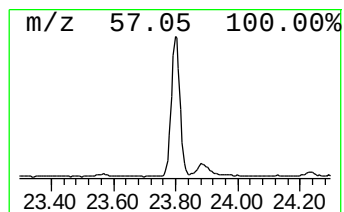
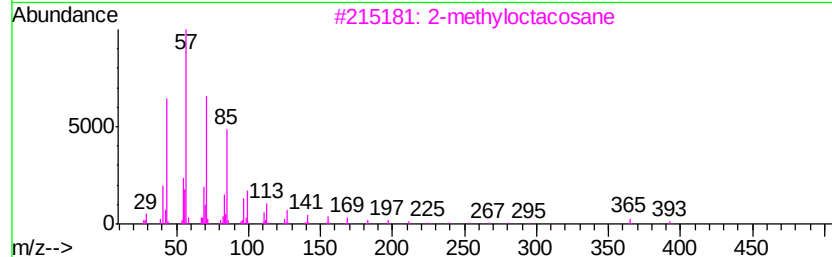
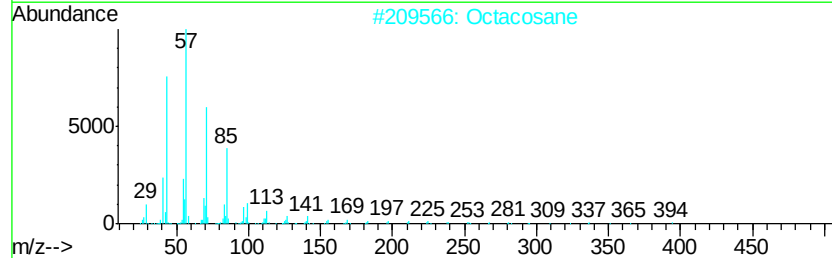
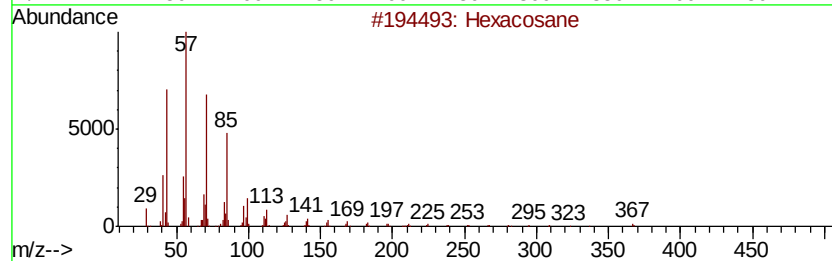
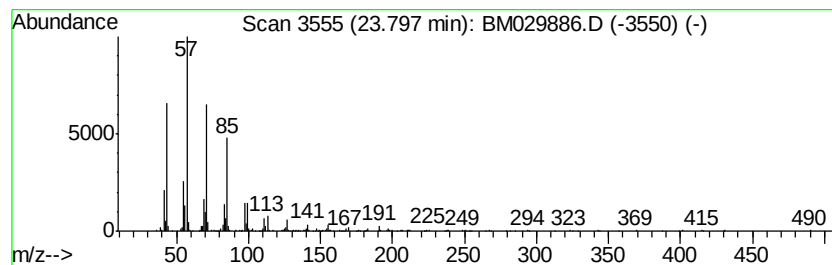
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.80 | 4.07 ng/ul | 547655 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Hexacosane         | 366 | C26H54  | 000630-01-3  | 90   |
| 2    |    | Octacosane         | 394 | C28H58  | 000630-02-4  | 90   |
| 3    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |
| 4    |    | Octadecane         | 254 | C18H38  | 000593-45-3  | 87   |
| 5    |    | Hexadecane         | 226 | C16H34  | 000544-76-3  | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050721\  
Data File : BM029886.D  
Acq On : 07 May 2021 21:34  
Operator : CG/JU  
Sample : M2129-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E0AC3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050721.M  
Quant Title : SVOA CALIBRATION

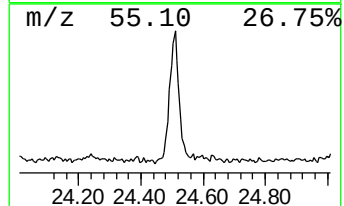
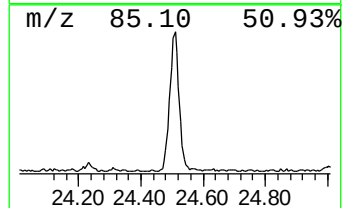
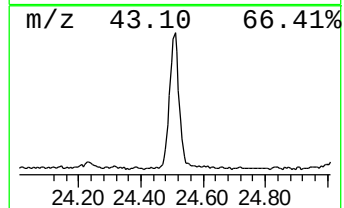
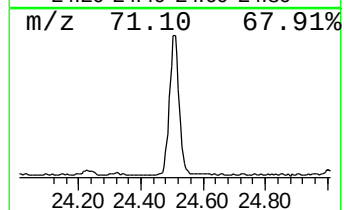
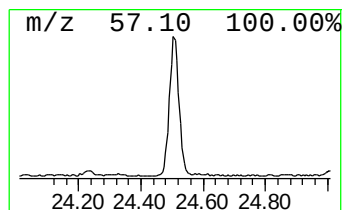
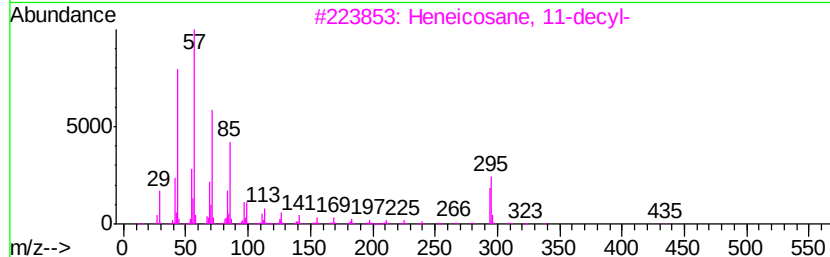
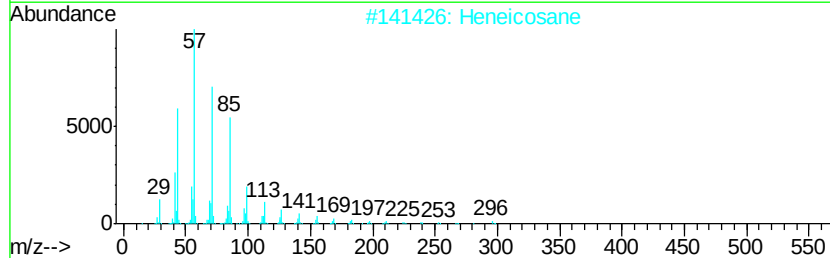
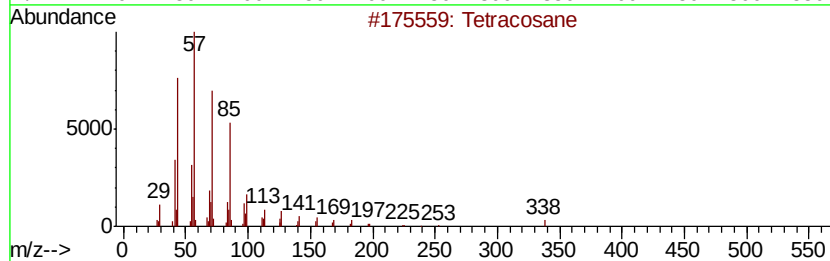
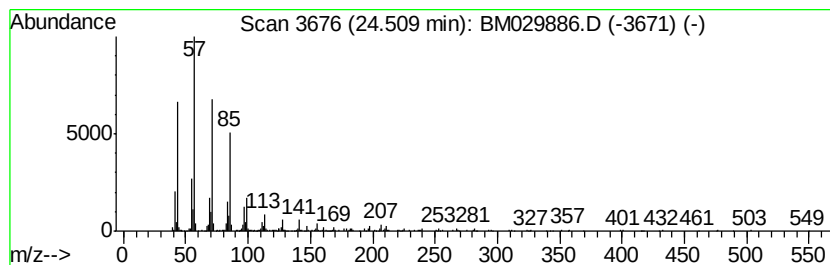
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.51 | 3.44 ng/ul | 463236 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane            | 338 | C24H50  | 000646-31-1 | 90   |
| 2    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 90   |
| 4    |    | Pentacosane            | 352 | C25H52  | 000629-99-2 | 87   |
| 5    |    | Triacontane            | 422 | C30H62  | 000638-68-6 | 87   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM050721\  
Data File : BM029886.D  
Acq On : 07 May 2021 21:34  
Operator : CG/JU  
Sample : M2129-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E0AC3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050721.M  
Quant Title : SVOA CALIBRATION

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

|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 20.86 | 2.8     | ng/ul | 370166   | 5                     | 21.13 | 2644890 | 20.0 |
| (DEL) Alkane: Str... | 22.64 | 2.2     | ng/ul | 300096   | 6                     | 23.29 | 2694260 | 20.0 |
| (DEL) Alkane: Str... | 23.80 | 4.1     | ng/ul | 547655   | 6                     | 23.29 | 2694260 | 20.0 |
| (DEL) Alkane: Str... | 24.51 | 3.4     | ng/ul | 463236   | 6                     | 23.29 | 2694260 | 20.0 |