

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
 Data File : BM024519.D  
 Acq On : 18 Jan 2020 05:18  
 Operator : JU  
 Sample : L1169-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF762

## 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-BM011520MA.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         | 3.063       | 26            | 30          | 33           | rBV      | 50620          | 65914         | 0.74%           | 0.078%        |
| 2         | 3.093       | 33            | 35          | 43           | rVB      | 20606          | 31169         | 0.35%           | 0.037%        |
| 3         | 3.328       | 72            | 75          | 79           | rBV3     | 9702           | 13181         | 0.15%           | 0.016%        |
| 4         | 3.675       | 130           | 134         | 139          | rBV3     | 10648          | 16763         | 0.19%           | 0.020%        |
| 5         | 3.763       | 146           | 149         | 153          | rBV3     | 7676           | 9645          | 0.11%           | 0.011%        |
| 6         | 4.822       | 325           | 329         | 332          | rBV2     | 9225           | 14430         | 0.16%           | 0.017%        |
| 7         | 6.222       | 563           | 567         | 571          | rBV      | 8053           | 12370         | 0.14%           | 0.015%        |
| 8         | 6.645       | 633           | 639         | 653          | rVB      | 249787         | 421438        | 4.71%           | 0.501%        |
| 9         | 6.804       | 660           | 666         | 678          | rBV      | 660294         | 986133        | 11.02%          | 1.171%        |
| 10        | 6.998       | 691           | 699         | 707          | rBV      | 836669         | 1306581       | 14.60%          | 1.552%        |
| 11        | 7.457       | 770           | 777         | 788          | rBV      | 904229         | 1392632       | 15.56%          | 1.654%        |
| 12        | 7.545       | 788           | 792         | 798          | rVB6     | 8987           | 17605         | 0.20%           | 0.021%        |
| 13        | 8.163       | 891           | 897         | 911          | rBV      | 751453         | 1193370       | 13.33%          | 1.417%        |
| 14        | 8.592       | 963           | 970         | 981          | rVB      | 1001535        | 1559361       | 17.42%          | 1.852%        |
| 15        | 9.098       | 1051          | 1056        | 1060         | rBV2     | 19340          | 26176         | 0.29%           | 0.031%        |
| 16        | 9.310       | 1084          | 1092        | 1103         | rBV      | 905415         | 1455183       | 16.26%          | 1.728%        |
| 17        | 9.722       | 1156          | 1162        | 1168         | rVB2     | 12528          | 21085         | 0.24%           | 0.025%        |
| 18        | 9.845       | 1176          | 1183        | 1195         | rBV      | 1463996        | 2379279       | 26.58%          | 2.826%        |
| 19        | 10.216      | 1237          | 1246        | 1254         | rBV      | 1342756        | 2131063       | 23.81%          | 2.531%        |
| 20        | 10.351      | 1262          | 1269        | 1283         | rBV      | 1319381        | 2209575       | 24.69%          | 2.624%        |
| 21        | 11.469      | 1455          | 1459        | 1463         | rVB4     | 6430           | 9118          | 0.10%           | 0.011%        |
| 22        | 11.810      | 1512          | 1517        | 1524         | rVB      | 24430          | 40386         | 0.45%           | 0.048%        |
| 23        | 12.716      | 1667          | 1671        | 1676         | rBV2     | 11674          | 16981         | 0.19%           | 0.020%        |
| 24        | 12.969      | 1710          | 1714        | 1721         | rVB8     | 4955           | 9291          | 0.10%           | 0.011%        |
| 25        | 13.033      | 1721          | 1725        | 1727         | rBV5     | 10552          | 15142         | 0.17%           | 0.018%        |
| 26        | 13.527      | 1803          | 1809        | 1814         | rBV      | 3293586        | 4412836       | 49.31%          | 5.241%        |
| 27        | 13.574      | 1814          | 1817        | 1823         | rVB      | 175296         | 223261        | 2.49%           | 0.265%        |
| 28        | 13.792      | 1847          | 1854        | 1863         | rBV      | 3237763        | 4701379       | 52.53%          | 5.584%        |
| 29        | 14.104      | 1901          | 1907        | 1919         | rVB2     | 2324075        | 3356724       | 37.51%          | 3.987%        |
| 30        | 14.245      | 1929          | 1931        | 1937         | rBV6     | 8919           | 10797         | 0.12%           | 0.013%        |
| 31        | 14.316      | 1937          | 1943        | 1954         | rBV      | 293772         | 473242        | 5.29%           | 0.562%        |
| 32        | 14.574      | 1983          | 1987        | 1989         | rVB5     | 12148          | 17199         | 0.19%           | 0.020%        |
| 33        | 14.751      | 2014          | 2017        | 2021         | rVB6     | 8433           | 10362         | 0.12%           | 0.012%        |
| 34        | 14.874      | 2034          | 2038        | 2043         | rVB6     | 14232          | 21351         | 0.24%           | 0.025%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
 Data File : BM024519.D  
 Acq On : 18 Jan 2020 05:18  
 Operator : JU  
 Sample : L1169-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF762

## 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-BM011520MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |       |         |         |         |         |
|----|--------|------|------|------|-------|---------|---------|---------|---------|
| 35 | 14.927 | 2043 | 2047 | 2049 | rBV4  | 6896    | 9766    | 0.11%   | 0.012%  |
| 36 | 15.021 | 2059 | 2063 | 2066 | rBV5  | 10077   | 15968   | 0.18%   | 0.019%  |
| 37 | 15.104 | 2070 | 2077 | 2084 | rBV   | 4404391 | 6218954 | 69.49%  | 7.386%  |
| 38 | 15.221 | 2091 | 2097 | 2107 | rBV   | 1270895 | 1754164 | 19.60%  | 2.083%  |
| 39 | 15.310 | 2108 | 2112 | 2113 | rVV4  | 19377   | 25015   | 0.28%   | 0.030%  |
| 40 | 15.345 | 2113 | 2118 | 2125 | rVB3  | 79210   | 142577  | 1.59%   | 0.169%  |
| 41 | 15.574 | 2152 | 2157 | 2161 | rBV7  | 18326   | 32388   | 0.36%   | 0.038%  |
| 42 | 15.698 | 2176 | 2178 | 2183 | rVB6  | 15839   | 21667   | 0.24%   | 0.026%  |
| 43 | 15.892 | 2205 | 2211 | 2216 | rBV8  | 31984   | 62302   | 0.70%   | 0.074%  |
| 44 | 16.221 | 2263 | 2267 | 2272 | rVB3  | 51629   | 72189   | 0.81%   | 0.086%  |
| 45 | 16.310 | 2274 | 2282 | 2287 | rBV8  | 62416   | 129028  | 1.44%   | 0.153%  |
| 46 | 16.368 | 2290 | 2292 | 2295 | rVB4  | 20118   | 20673   | 0.23%   | 0.025%  |
| 47 | 16.504 | 2311 | 2315 | 2319 | rBV2  | 47539   | 67440   | 0.75%   | 0.080%  |
| 48 | 16.809 | 2363 | 2367 | 2369 | rBV3  | 31905   | 47142   | 0.53%   | 0.056%  |
| 49 | 16.851 | 2369 | 2374 | 2382 | rVV   | 2987215 | 4094461 | 45.75%  | 4.863%  |
| 50 | 16.951 | 2385 | 2391 | 2402 | rVB   | 5390632 | 7333261 | 81.94%  | 8.710%  |
| 51 | 17.051 | 2404 | 2408 | 2409 | rBV4  | 17460   | 24811   | 0.28%   | 0.029%  |
| 52 | 17.227 | 2434 | 2438 | 2443 | rVB7  | 36271   | 54464   | 0.61%   | 0.065%  |
| 53 | 17.286 | 2445 | 2448 | 2452 | rVB5  | 27742   | 43210   | 0.48%   | 0.051%  |
| 54 | 17.662 | 2508 | 2512 | 2521 | rBV10 | 50435   | 102786  | 1.15%   | 0.122%  |
| 55 | 17.798 | 2530 | 2535 | 2549 | rBV   | 889397  | 1315337 | 14.70%  | 1.562%  |
| 56 | 18.233 | 2606 | 2609 | 2613 | rVB2  | 54569   | 56160   | 0.63%   | 0.067%  |
| 57 | 18.468 | 2647 | 2649 | 2654 | rVB6  | 20497   | 19395   | 0.22%   | 0.023%  |
| 58 | 18.603 | 2670 | 2672 | 2677 | rBV5  | 15447   | 27306   | 0.31%   | 0.032%  |
| 59 | 18.662 | 2679 | 2682 | 2687 | rVB7  | 29933   | 43614   | 0.49%   | 0.052%  |
| 60 | 18.886 | 2716 | 2720 | 2724 | rBV   | 82884   | 112638  | 1.26%   | 0.134%  |
| 61 | 19.086 | 2750 | 2754 | 2760 | rBV   | 327234  | 491618  | 5.49%   | 0.584%  |
| 62 | 19.139 | 2760 | 2763 | 2767 | rVB   | 65201   | 98269   | 1.10%   | 0.117%  |
| 63 | 19.256 | 2777 | 2783 | 2791 | rBV   | 6805620 | 8949729 | 100.00% | 10.630% |
| 64 | 19.327 | 2793 | 2795 | 2798 | rVB2  | 39396   | 37886   | 0.42%   | 0.045%  |
| 65 | 19.827 | 2878 | 2880 | 2883 | rVB3  | 36896   | 27896   | 0.31%   | 0.033%  |
| 66 | 19.868 | 2884 | 2887 | 2891 | rVB2  | 63329   | 67186   | 0.75%   | 0.080%  |
| 67 | 20.362 | 2969 | 2971 | 2975 | rVB   | 106874  | 111325  | 1.24%   | 0.132%  |
| 68 | 20.815 | 3044 | 3048 | 3054 | rBV   | 1121531 | 1521289 | 17.00%  | 1.807%  |
| 69 | 21.021 | 3079 | 3083 | 3085 | rBV   | 549200  | 608684  | 6.80%   | 0.723%  |
| 70 | 21.056 | 3085 | 3089 | 3096 | rVB   | 3703522 | 4573728 | 51.10%  | 5.432%  |
| 71 | 21.268 | 3121 | 3125 | 3129 | rBV   | 314888  | 339791  | 3.80%   | 0.404%  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

## 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-BM011520MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 21.686 | 3193 | 3196 | 3203 | rVB  | 408986  | 495041  | 5.53%  | 0.588% |
| 73 | 21.927 | 3233 | 3237 | 3241 | rVB  | 307486  | 371447  | 4.15%  | 0.441% |
| 74 | 22.127 | 3268 | 3271 | 3281 | rVB  | 476994  | 621132  | 6.94%  | 0.738% |
| 75 | 22.244 | 3287 | 3291 | 3296 | rVB  | 1081921 | 1289062 | 14.40% | 1.531% |
| 76 | 22.609 | 3349 | 3353 | 3365 | rVB  | 506817  | 740959  | 8.28%  | 0.880% |
| 77 | 23.044 | 3420 | 3427 | 3437 | rVB  | 4310044 | 7315675 | 81.74% | 8.689% |
| 78 | 23.138 | 3438 | 3443 | 3444 | rVV  | 495319  | 620407  | 6.93%  | 0.737% |
| 79 | 23.174 | 3444 | 3449 | 3462 | rVB  | 2299883 | 4087274 | 45.67% | 4.855% |
| 80 | 23.744 | 3541 | 3546 | 3551 | rVB  | 362243  | 605856  | 6.77%  | 0.720% |
| 81 | 23.809 | 3553 | 3557 | 3565 | rVB3 | 189387  | 345997  | 3.87%  | 0.411% |
| 82 | 24.433 | 3659 | 3663 | 3670 | rVB3 | 220115  | 446625  | 4.99%  | 0.530% |

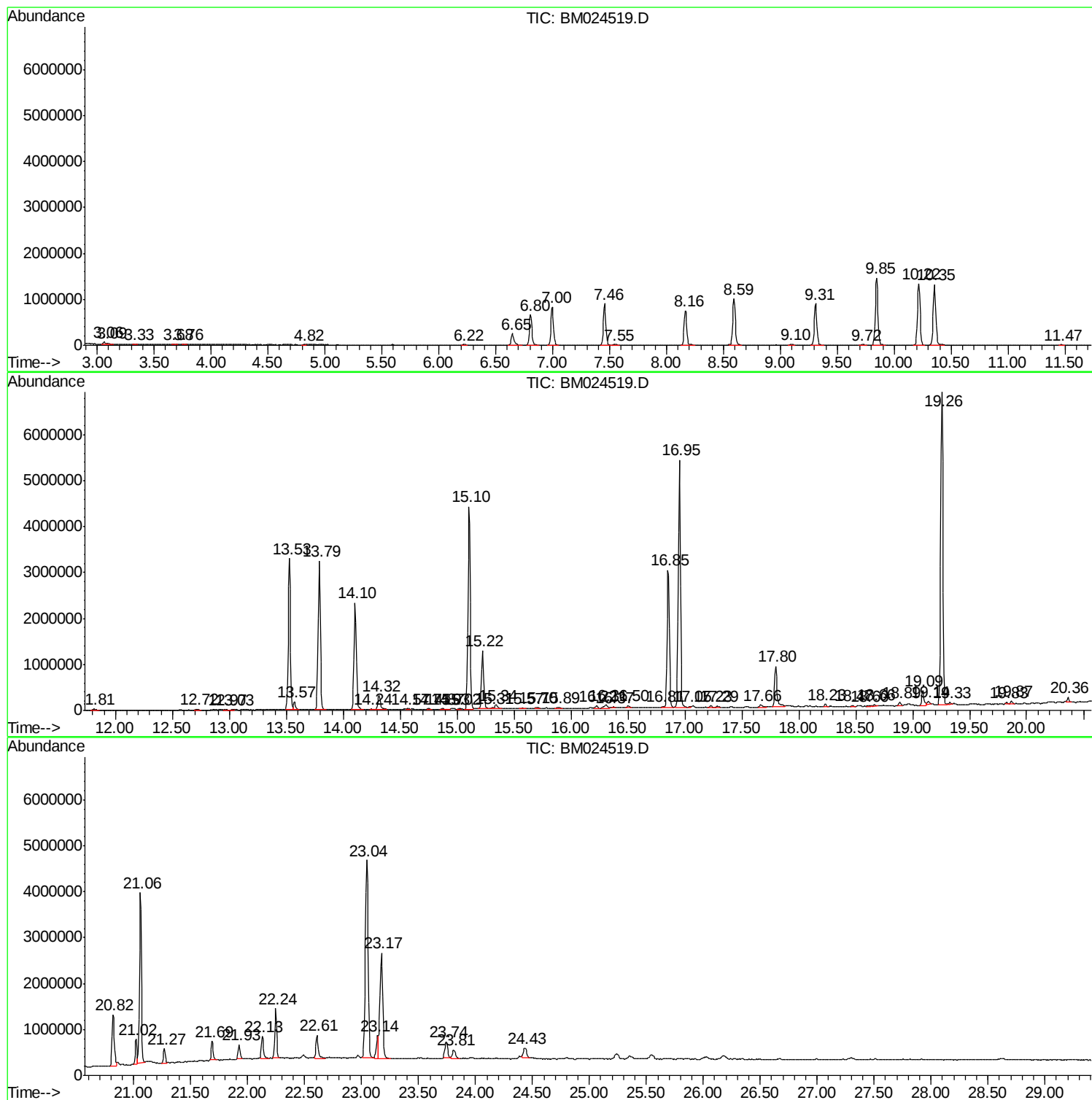
Sum of corrected areas: 84194614

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

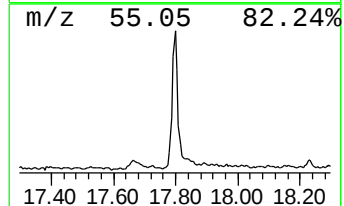
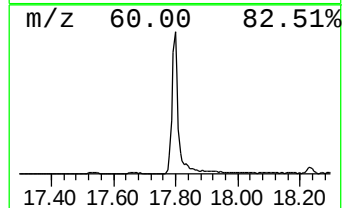
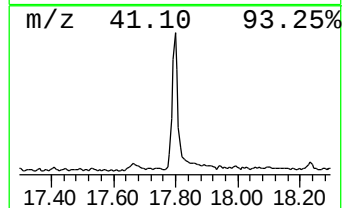
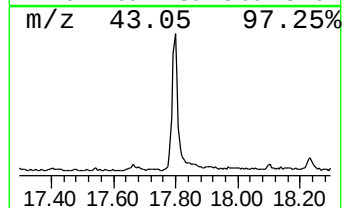
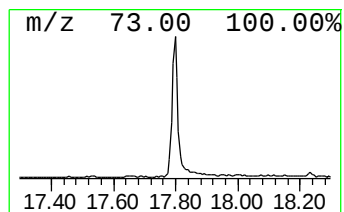
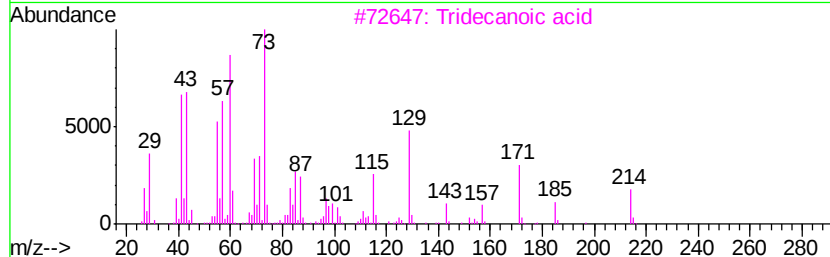
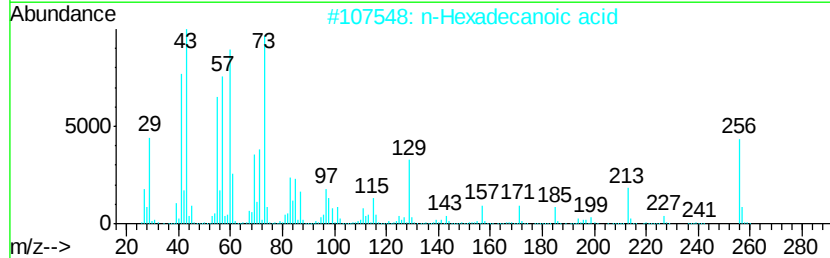
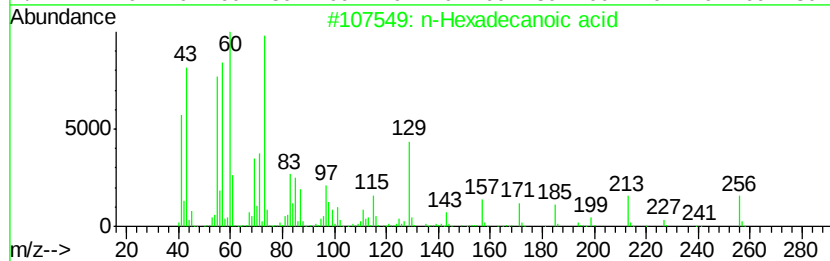
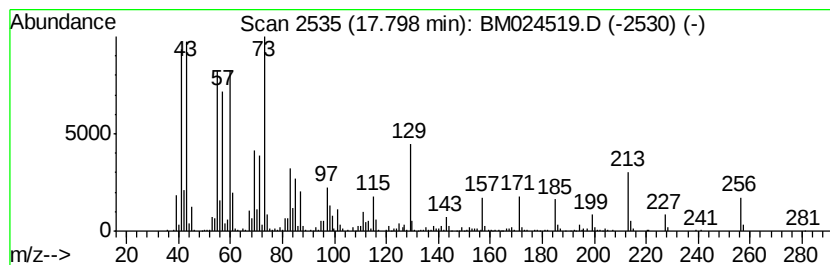
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 17.80 | 6.42 ng/ul | 1315340 | Phenanthrene-d10 | 16.85 |

| 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 | 98   |
| 3    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 94   |
| 4    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 93   |
| 5    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

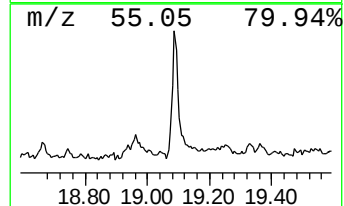
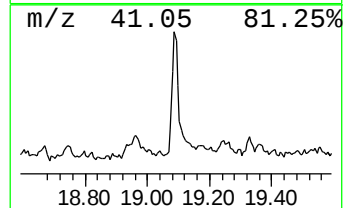
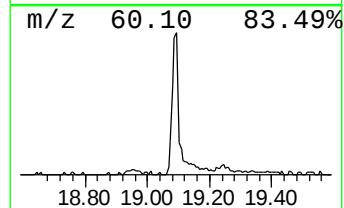
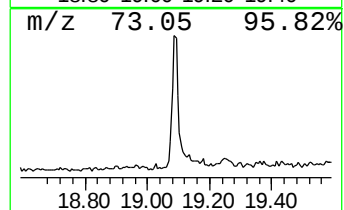
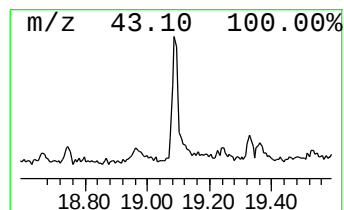
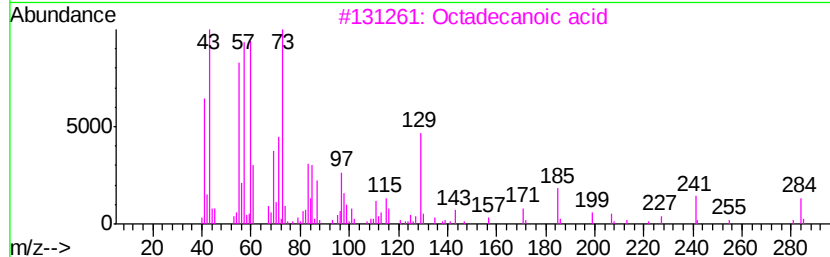
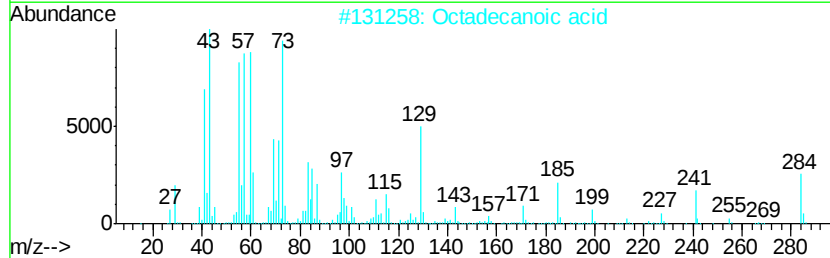
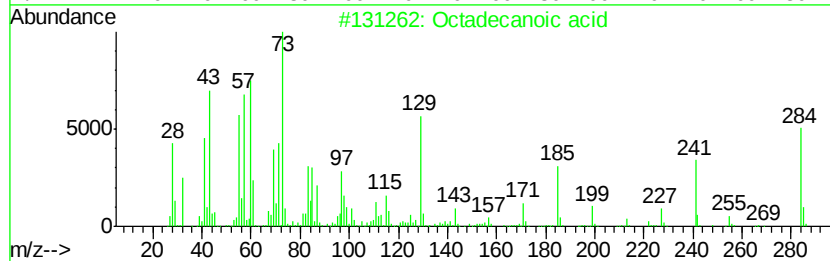
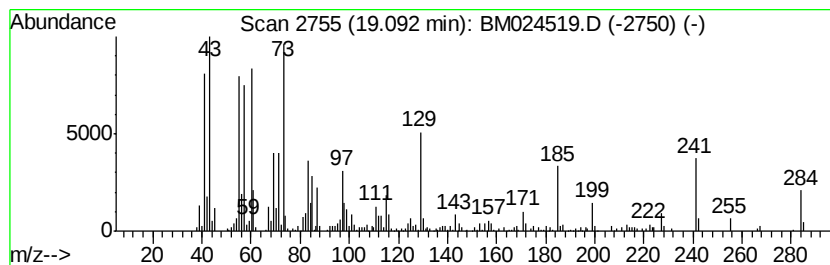
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Octadecanoic acid Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.09 | 2.15 ng/ul | 491618 | Chrysene-d12     | 21.06 |

| 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 | 98   |
| 3    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 95   |
| 4    |    | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90   |
| 5    |    | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

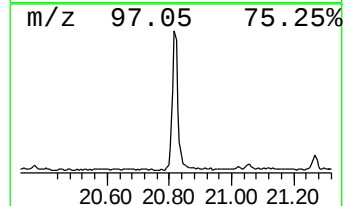
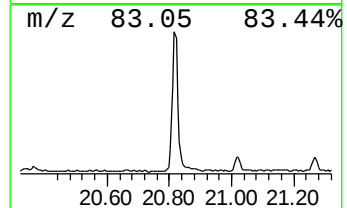
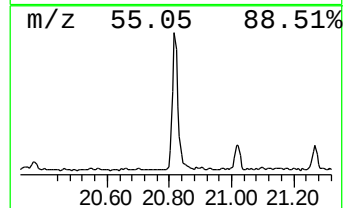
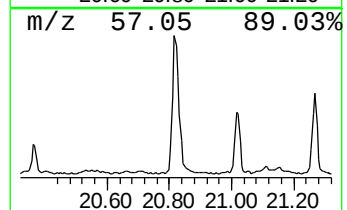
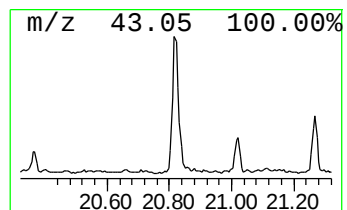
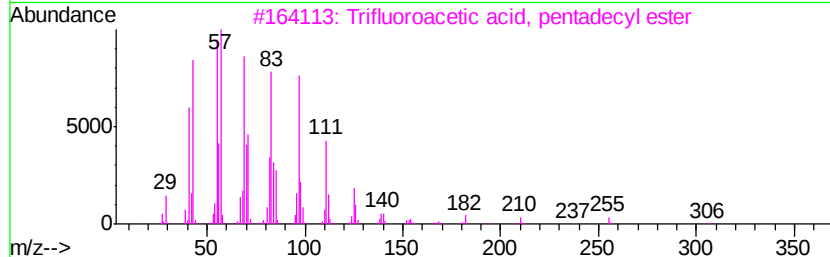
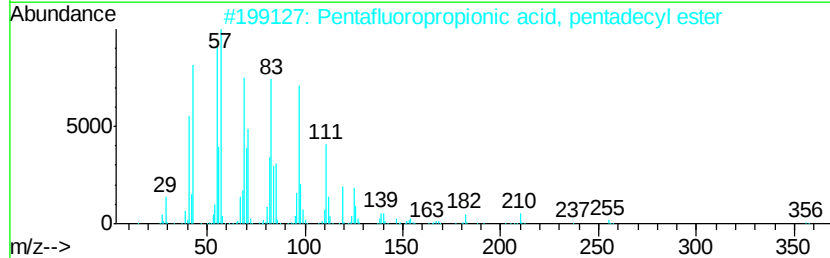
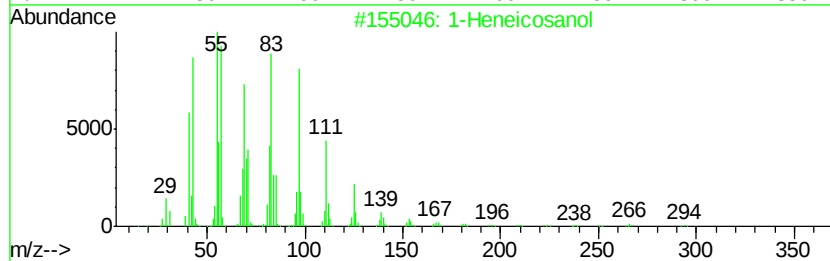
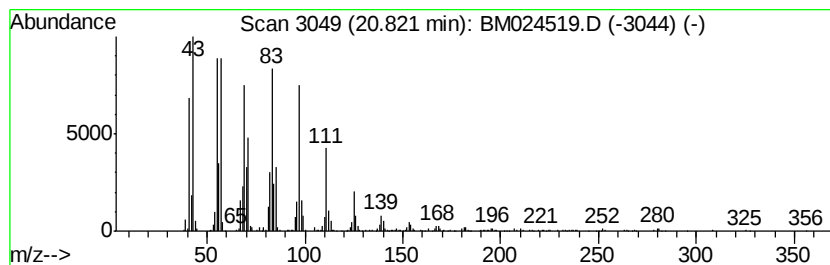
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 1-Heneicosanol Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.82 | 6.65 ng/ul | 1521290 | Chrysene-d12     | 21.06 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm    | CAS#        | Qual |
|---------|-------------------------------------|--------------|-----|------------|-------------|------|
| 1       | 1-Heneicosanol                      |              | 312 | C21H44O    | 015594-90-8 | 95   |
| 2       | Pentafluoropropionic acid, penta... |              | 374 | C18H31F5O2 | 959092-08-1 | 94   |
| 3       | Trifluoroacetic acid, pentadecyl... |              | 324 | C17H31F3O2 | 959010-23-2 | 94   |
| 4       | Trifluoroacetoxv hexadecane         |              | 338 | C18H33F3O2 | 006222-03-3 | 94   |
| 5       | Behenic alcohol                     |              | 326 | C22H46O    | 000661-19-8 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

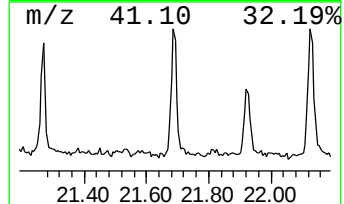
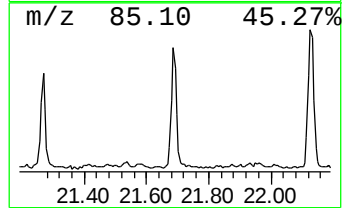
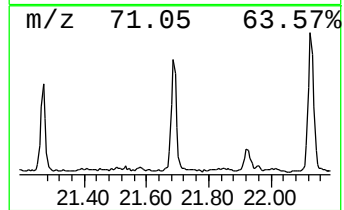
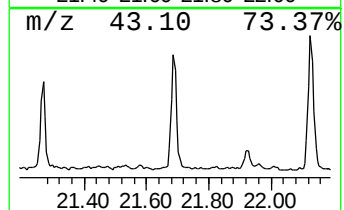
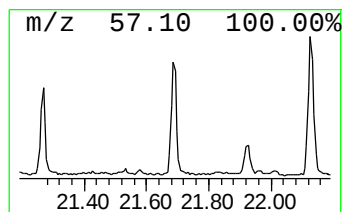
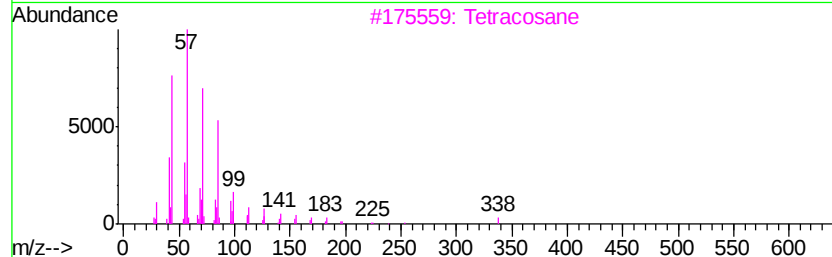
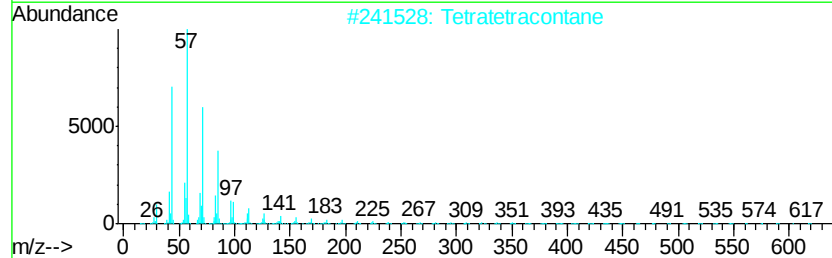
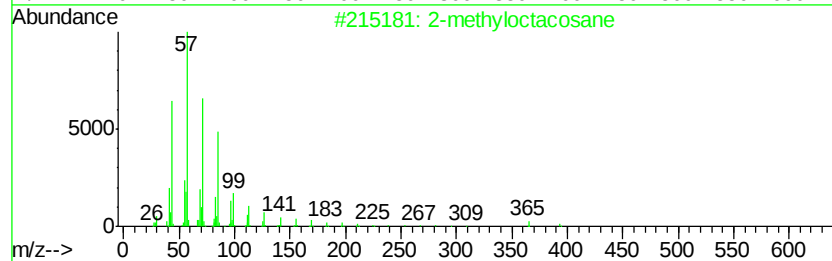
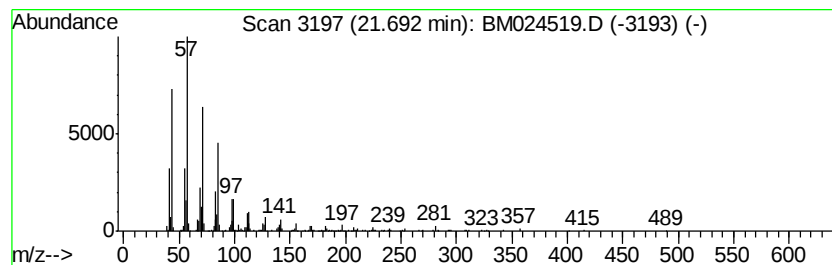
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.69 | 2.16 ng/ul | 495041 | Chrysene-d12     | 21.06 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|--------------------|--------------|-----|---------|--------------|------|
| 1       | 2-methyloctacosane |              | 408 | C29H60  | 1000376-72-8 | 90   |
| 2       | Tetratetracontane  |              | 619 | C44H90  | 007098-22-8  | 90   |
| 3       | Tetracosane        |              | 338 | C24H50  | 000646-31-1  | 90   |
| 4       | Octacosane         |              | 394 | C28H58  | 000630-02-4  | 90   |
| 5       | Hexacosane         |              | 366 | C26H54  | 000630-01-3  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

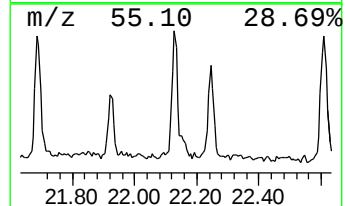
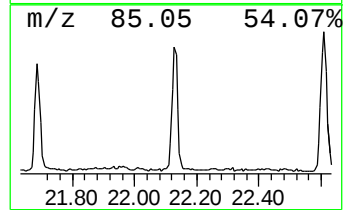
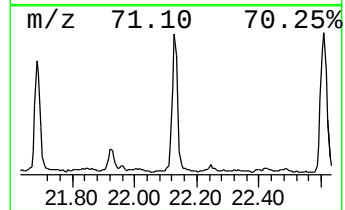
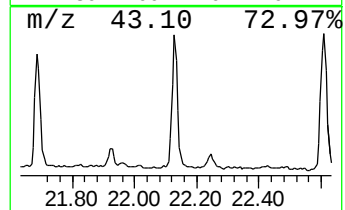
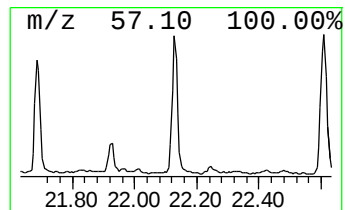
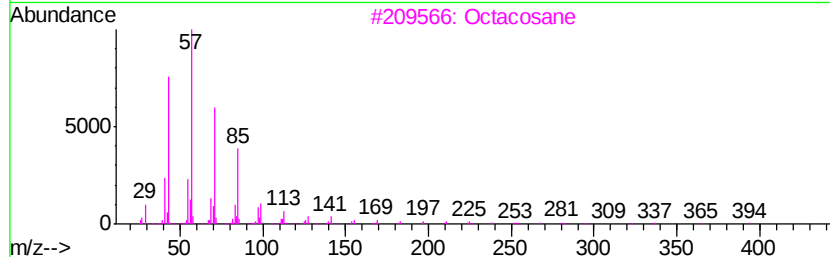
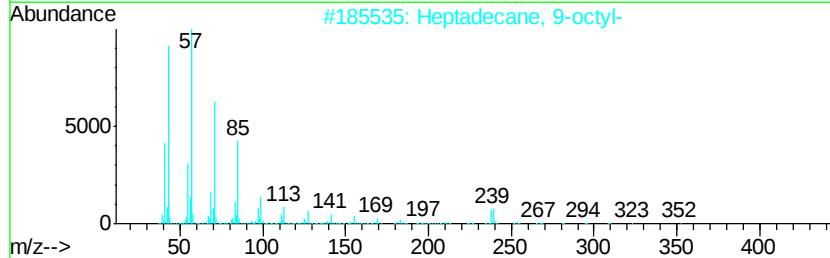
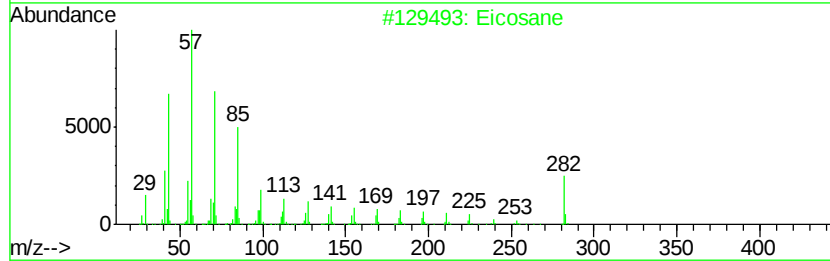
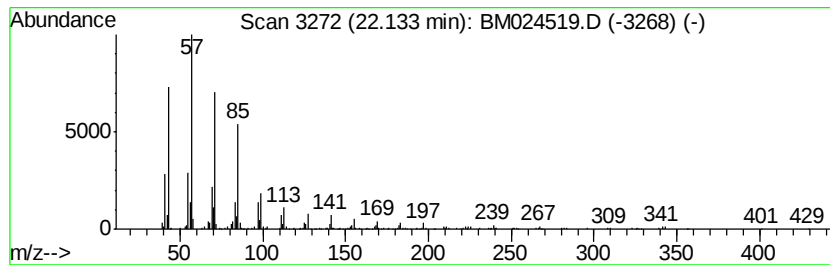
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.13 | 3.04 ng/ul | 621132 | Perylene-d12     | 23.17 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|-----------------------|--------------|-----|---------|--------------|------|
| 1       | Eicosane              |              | 282 | C20H42  | 000112-95-8  | 93   |
| 2       | Heptadecane, 9-octyl- |              | 352 | C25H52  | 007225-64-1  | 90   |
| 3       | Octacosane            |              | 394 | C28H58  | 000630-02-4  | 90   |
| 4       | 2-methyloctacosane    |              | 408 | C29H60  | 1000376-72-8 | 90   |
| 5       | Tetracosane           |              | 338 | C24H50  | 000646-31-1  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

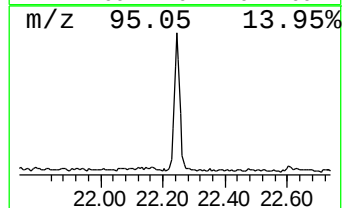
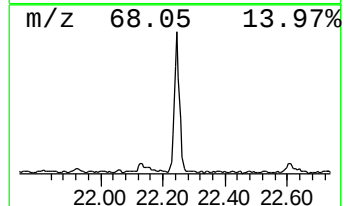
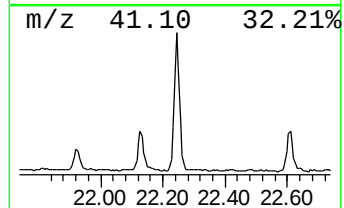
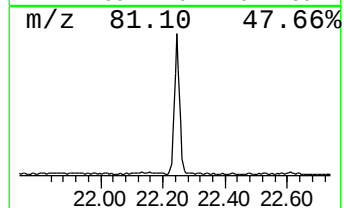
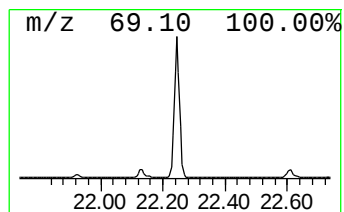
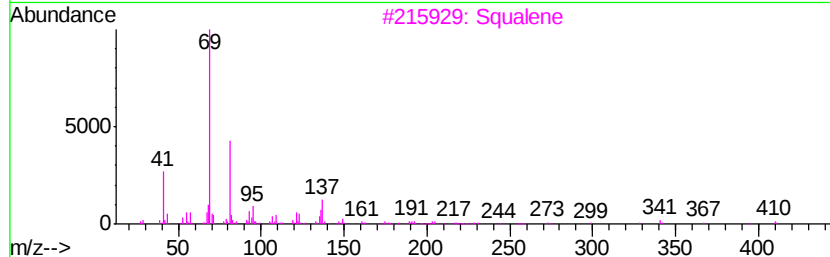
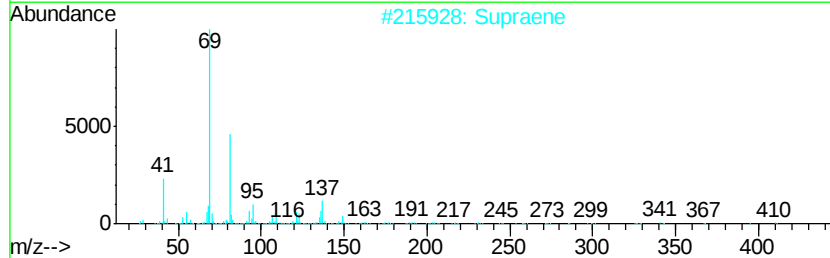
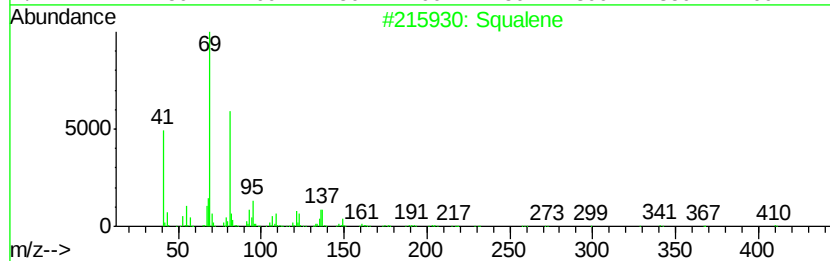
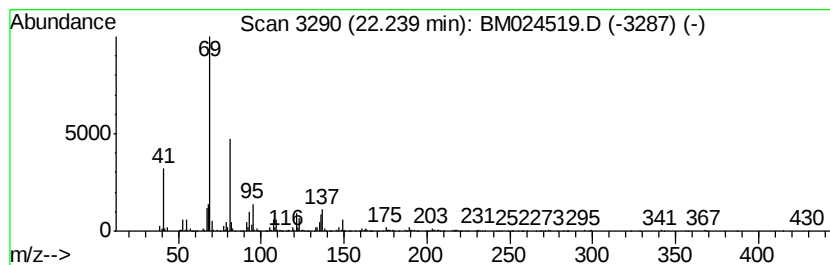
Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 Squalene Concentration Rank 3

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 22.24   | 6.31 ng/ul                          | 1289060      | Perylene-d12     | 23.17     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Squalene                            | 410 C30H50   | 000111-02-4      | 99        |
| 2       | Supraene                            | 410 C30H50   | 007683-64-9      | 98        |
| 3       | Squalene                            | 410 C30H50   | 000111-02-4      | 90        |
| 4       | Squalene                            | 410 C30H50   | 000111-02-4      | 89        |
| 5       | 7,11-Dimethyldodeca-2,6,10-trien... | 208 C14H24O  | 125529-10-4      | 87        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

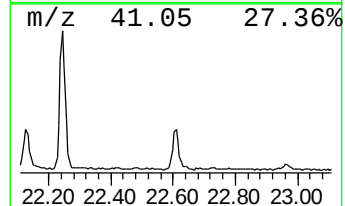
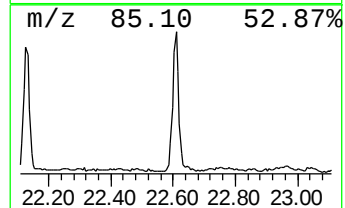
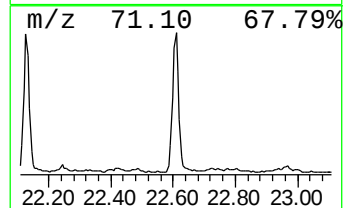
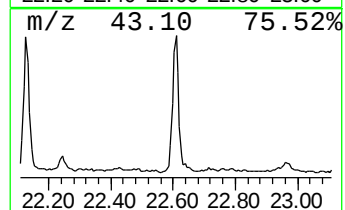
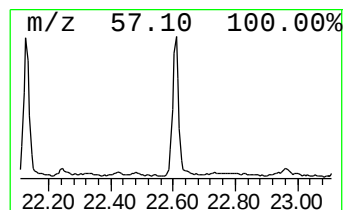
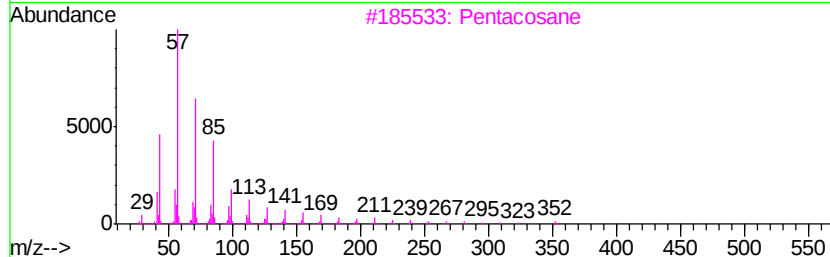
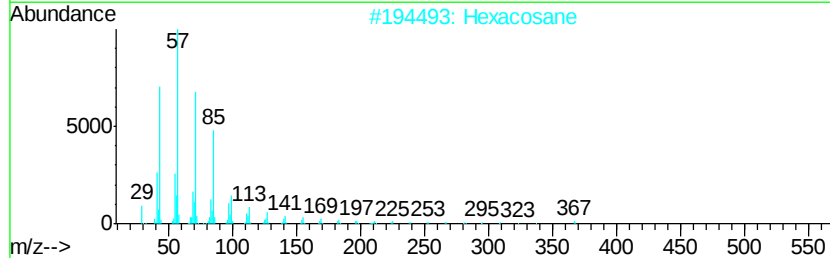
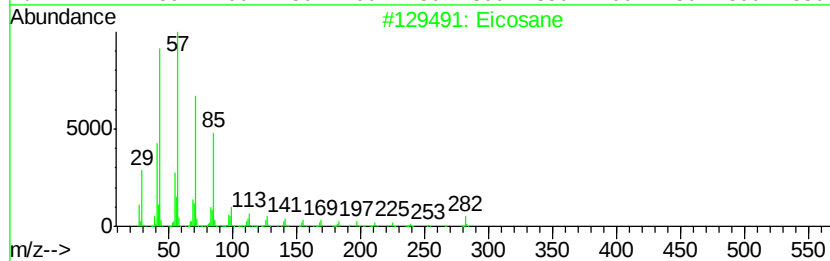
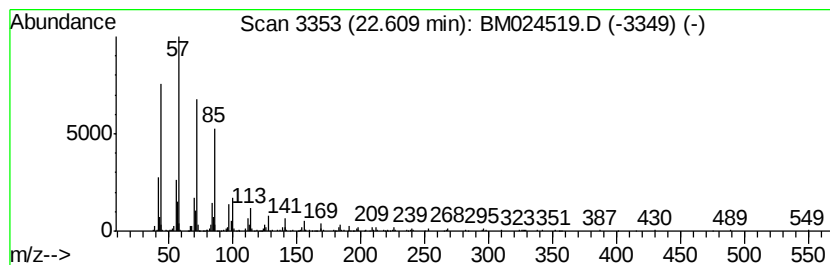
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.61 | 3.63 ng/ul | 740959 | Perylene-d12     | 23.17 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Eicosane     | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    |   | Hexacosane   | 366 | C26H54  | 000630-01-3 | 93   |
| 3    |    |   | Pentacosane  | 352 | C25H52  | 000629-99-2 | 90   |
| 4    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    |   | triacontane  | 422 | C30H62  | 000638-68-6 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

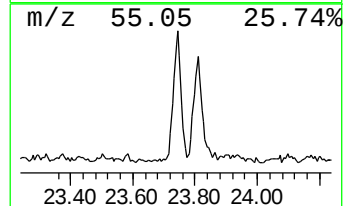
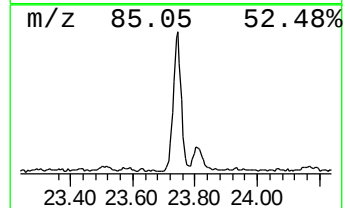
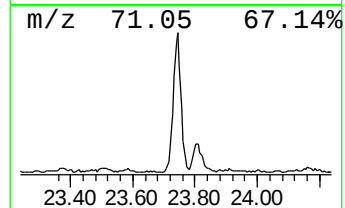
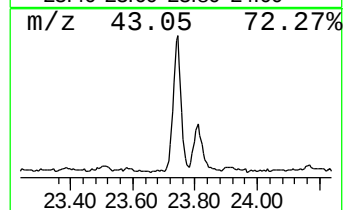
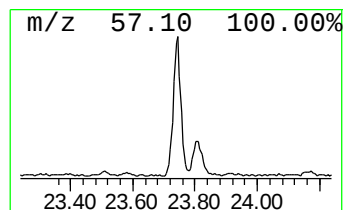
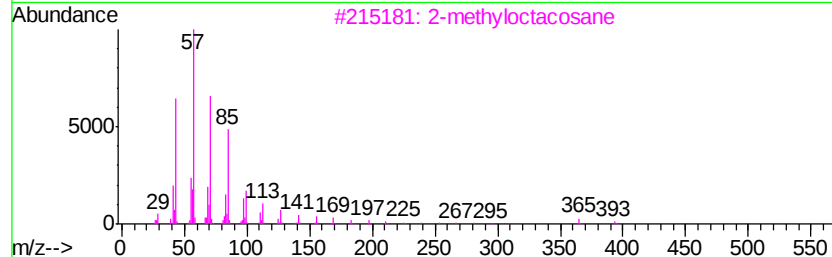
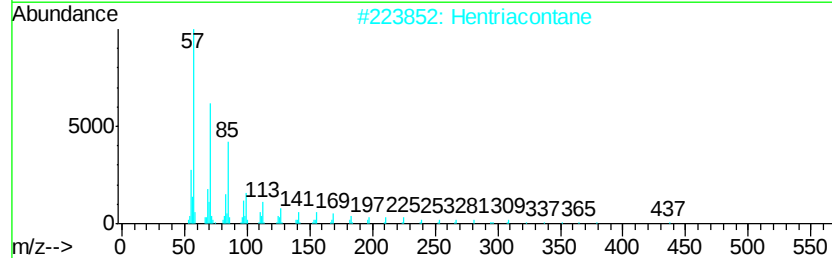
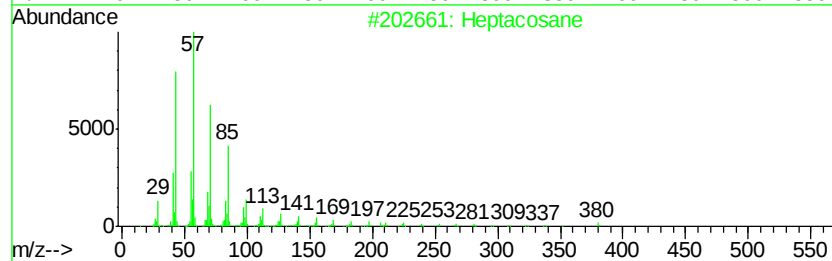
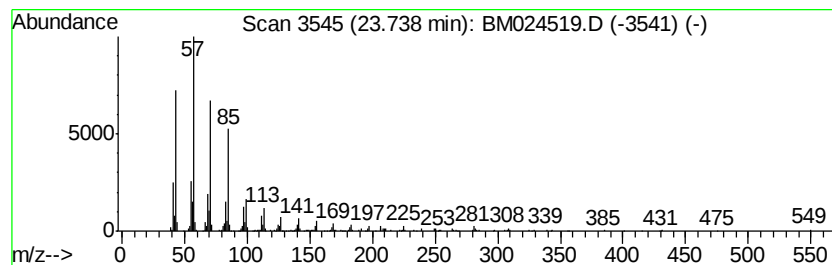
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.74 | 2.96 ng/ul | 605856 | Perylene-d12     | 23.17 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 2    |    | Hentriacontane     | 437 | C31H64  | 000630-04-6  | 91   |
| 3    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |
| 4    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 90   |
| 5    |    | Hexacosane         | 366 | C26H54  | 000630-01-3  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

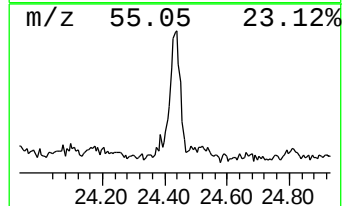
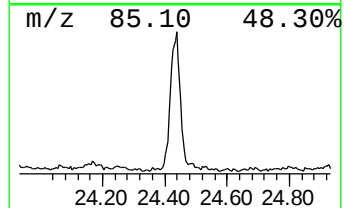
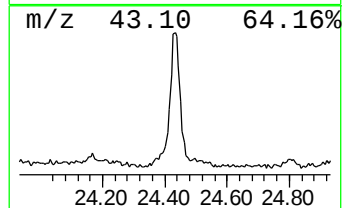
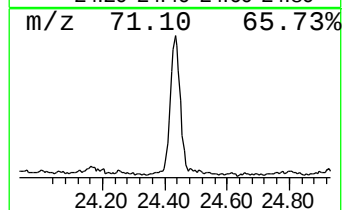
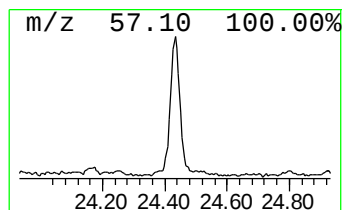
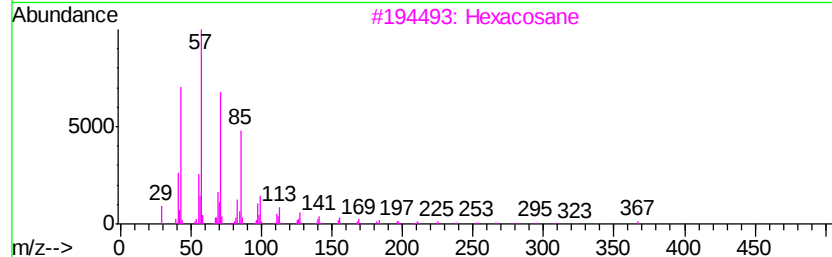
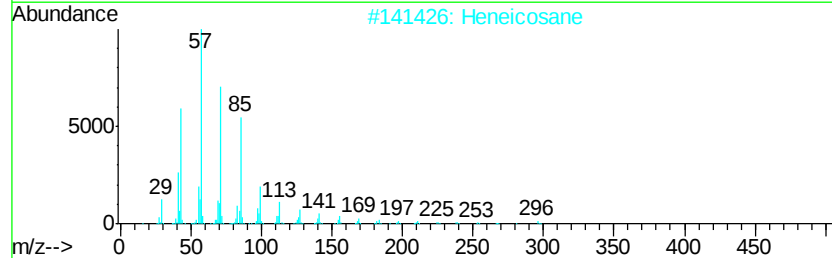
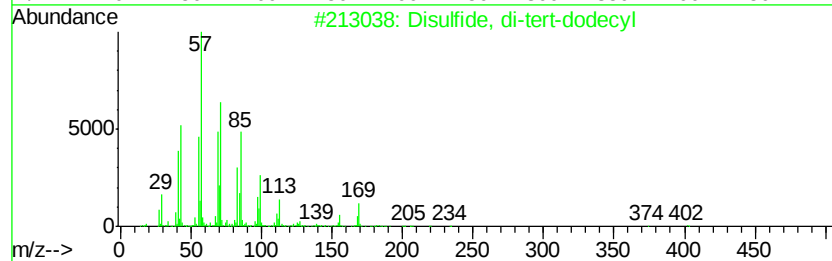
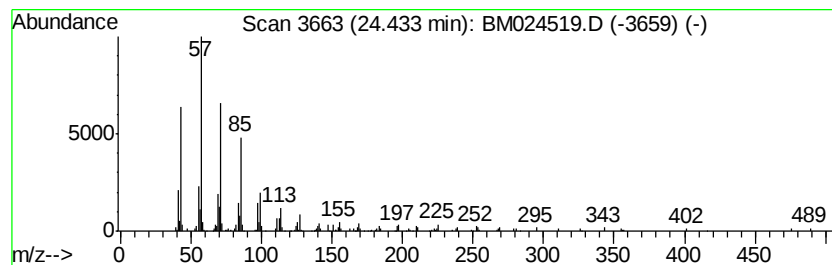
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Disulfide, di-tert-dodecyl Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.43 | 2.19 ng/ul | 446625 | Perylene-d12     | 23.17 |

| Hit# | of | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------|-----|----------|-------------|------|
| 1    | 5  | Disulfide, di-tert-dodecyl | 402 | C24H50S2 | 027458-90-8 | 91   |
| 2    |    | Heneicosane                | 296 | C21H44   | 000629-94-7 | 90   |
| 3    |    | Hexacosane                 | 366 | C26H54   | 000630-01-3 | 90   |
| 4    |    | Hentriacontane             | 437 | C31H64   | 000630-04-6 | 90   |
| 5    |    | Octacosane                 | 394 | C28H58   | 000630-02-4 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM011720\  
Data File : BM024519.D  
Acq On : 18 Jan 2020 05:18  
Operator : JU  
Sample : L1169-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF762

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.80 | 6.4     | ng/ul | 1315340  | 4                     | 16.85 | 4094460 | 20.0 |
| Octadecanoic acid    | 19.09 | 2.1     | ng/ul | 491618   | 5                     | 21.06 | 4573730 | 20.0 |
| 1-Heneicosanol       | 20.82 | 6.7     | ng/ul | 1521290  | 5                     | 21.06 | 4573730 | 20.0 |
| (DEL) Alkane: Str... | 21.69 | 2.2     | ng/ul | 495041   | 5                     | 21.06 | 4573730 | 20.0 |
| (DEL) Alkane: Str... | 22.13 | 3.0     | ng/ul | 621132   | 6                     | 23.17 | 4087270 | 20.0 |
| Squalene             | 22.24 | 6.3     | ng/ul | 1289060  | 6                     | 23.17 | 4087270 | 20.0 |
| (DEL) Alkane: Str... | 22.61 | 3.6     | ng/ul | 740959   | 6                     | 23.17 | 4087270 | 20.0 |
| (DEL) Alkane: Str... | 23.74 | 3.0     | ng/ul | 605856   | 6                     | 23.17 | 4087270 | 20.0 |
| Disulfide, di-ter... | 24.43 | 2.2     | ng/ul | 446625   | 6                     | 23.17 | 4087270 | 20.0 |