

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050721\  
 Data File : BM029898.D  
 Acq On : 08 May 2021 04:47  
 Operator : CG/JU  
 Sample : M2161-06  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AQ4

## 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<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         | 6.745       | 651           | 656         | 671          | rVB      | 143247         | 302156        | 5.65%           | 0.669%        |
| 2         | 6.898       | 677           | 682         | 702          | rVB      | 474835         | 861429        | 16.12%          | 1.907%        |
| 3         | 7.092       | 709           | 715         | 728          | rVB      | 569340         | 986286        | 18.46%          | 2.184%        |
| 4         | 7.551       | 787           | 793         | 806          | rBV      | 466289         | 793137        | 14.84%          | 1.756%        |
| 5         | 8.269       | 909           | 915         | 930          | rBV      | 422541         | 761375        | 14.25%          | 1.686%        |
| 6         | 8.710       | 983           | 990         | 1008         | rBV      | 676602         | 1195735       | 22.38%          | 2.648%        |
| 7         | 9.128       | 1058          | 1061        | 1065         | rVB4     | 5668           | 8108          | 0.15%           | 0.018%        |
| 8         | 9.428       | 1104          | 1112        | 1129         | rBV      | 554880         | 1021998       | 19.13%          | 2.263%        |
| 9         | 9.963       | 1196          | 1203        | 1231         | rBV      | 660120         | 1396918       | 26.14%          | 3.093%        |
| 10        | 10.327      | 1258          | 1265        | 1280         | rBV      | 723777         | 1231064       | 23.04%          | 2.726%        |
| 11        | 10.504      | 1289          | 1295        | 1314         | rVB3     | 22077          | 71120         | 1.33%           | 0.157%        |
| 12        | 11.939      | 1533          | 1539        | 1546         | rBV4     | 8334           | 17972         | 0.34%           | 0.040%        |
| 13        | 12.033      | 1551          | 1555        | 1563         | rBV5     | 3947           | 12269         | 0.23%           | 0.027%        |
| 14        | 12.551      | 1637          | 1643        | 1647         | rBV6     | 4005           | 6330          | 0.12%           | 0.014%        |
| 15        | 12.810      | 1682          | 1687        | 1694         | rVB6     | 4342           | 8443          | 0.16%           | 0.019%        |
| 16        | 13.033      | 1719          | 1725        | 1731         | rBV7     | 6847           | 12596         | 0.24%           | 0.028%        |
| 17        | 13.110      | 1731          | 1738        | 1743         | rVV5     | 6282           | 9492          | 0.18%           | 0.021%        |
| 18        | 13.621      | 1818          | 1825        | 1830         | rBV      | 1802720        | 2481265       | 46.44%          | 5.494%        |
| 19        | 13.668      | 1830          | 1833        | 1842         | rVB      | 128639         | 184557        | 3.45%           | 0.409%        |
| 20        | 13.892      | 1863          | 1871        | 1887         | rBV      | 2101439        | 3021811       | 56.55%          | 6.691%        |
| 21        | 14.115      | 1906          | 1909        | 1915         | rVB5     | 6562           | 8562          | 0.16%           | 0.019%        |
| 22        | 14.204      | 1917          | 1924        | 1941         | rBV      | 1161158        | 1730539       | 32.39%          | 3.832%        |
| 23        | 14.451      | 1959          | 1966        | 1981         | rBV5     | 32463          | 131704        | 2.46%           | 0.292%        |
| 24        | 14.545      | 1981          | 1982        | 1990         | rVB7     | 6354           | 11164         | 0.21%           | 0.025%        |
| 25        | 15.039      | 2063          | 2066        | 2069         | rVV      | 8567           | 11799         | 0.22%           | 0.026%        |
| 26        | 15.074      | 2069          | 2072        | 2075         | rVB3     | 7080           | 8109          | 0.15%           | 0.018%        |
| 27        | 15.198      | 2087          | 2093        | 2110         | rBV      | 2614558        | 3771443       | 70.58%          | 8.351%        |
| 28        | 15.333      | 2110          | 2116        | 2131         | rVV      | 791325         | 1151198       | 21.54%          | 2.549%        |
| 29        | 15.439      | 2131          | 2134        | 2145         | rVB2     | 31892          | 56345         | 1.05%           | 0.125%        |
| 30        | 15.768      | 2185          | 2190        | 2195         | rBV5     | 4828           | 10101         | 0.19%           | 0.022%        |
| 31        | 15.933      | 2215          | 2218        | 2220         | rVV4     | 3822           | 5542          | 0.10%           | 0.012%        |
| 32        | 15.986      | 2223          | 2227        | 2232         | rVB6     | 17555          | 23799         | 0.45%           | 0.053%        |
| 33        | 16.186      | 2257          | 2261        | 2270         | rVB      | 17865          | 25907         | 0.48%           | 0.057%        |
| 34        | 16.345      | 2284          | 2288        | 2291         | rBV4     | 4685           | 7014          | 0.13%           | 0.016%        |

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Integrator: RTE  
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 Max Peaks: 100  
 Peak Location: TOP

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

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 16.633 | 2332 | 2337 | 2339 | rBV5 | 4156    | 5597    | 0.10%   | 0.012%  |
| 36 | 16.692 | 2342 | 2347 | 2350 | rBV6 | 6540    | 9995    | 0.19%   | 0.022%  |
| 37 | 16.727 | 2350 | 2353 | 2359 | rBV5 | 5965    | 12555   | 0.23%   | 0.028%  |
| 38 | 16.951 | 2384 | 2391 | 2401 | rBV  | 1392347 | 2029262 | 37.98%  | 4.493%  |
| 39 | 17.045 | 2401 | 2407 | 2422 | rVV  | 3044924 | 4338447 | 81.19%  | 9.607%  |
| 40 | 17.456 | 2475 | 2477 | 2481 | rVB3 | 6138    | 7432    | 0.14%   | 0.016%  |
| 41 | 17.639 | 2503 | 2508 | 2513 | rVB7 | 6375    | 12191   | 0.23%   | 0.027%  |
| 42 | 17.856 | 2540 | 2545 | 2554 | rBV  | 215641  | 371380  | 6.95%   | 0.822%  |
| 43 | 18.151 | 2590 | 2595 | 2598 | rBV5 | 11719   | 14706   | 0.28%   | 0.033%  |
| 44 | 18.792 | 2700 | 2704 | 2708 | rBV4 | 13034   | 14700   | 0.28%   | 0.033%  |
| 45 | 18.980 | 2728 | 2736 | 2745 | rBV  | 34778   | 76725   | 1.44%   | 0.170%  |
| 46 | 19.145 | 2759 | 2764 | 2774 | rBV  | 167975  | 291461  | 5.45%   | 0.645%  |
| 47 | 19.233 | 2775 | 2779 | 2785 | rVB  | 36103   | 60518   | 1.13%   | 0.134%  |
| 48 | 19.345 | 2792 | 2798 | 2816 | rBV  | 4131363 | 5343465 | 100.00% | 11.832% |
| 49 | 20.397 | 2975 | 2977 | 2982 | rVB4 | 16221   | 19594   | 0.37%   | 0.043%  |
| 50 | 20.862 | 3051 | 3056 | 3064 | rBV  | 237284  | 412033  | 7.71%   | 0.912%  |
| 51 | 21.133 | 3097 | 3102 | 3111 | rBV  | 1812520 | 2344417 | 43.87%  | 5.191%  |
| 52 | 21.297 | 3127 | 3130 | 3134 | rBV3 | 49411   | 57879   | 1.08%   | 0.128%  |
| 53 | 21.715 | 3198 | 3201 | 3204 | rBV2 | 78754   | 94031   | 1.76%   | 0.208%  |
| 54 | 22.162 | 3273 | 3277 | 3282 | rBV2 | 117946  | 161942  | 3.03%   | 0.359%  |
| 55 | 22.644 | 3355 | 3359 | 3364 | rVB  | 174233  | 240800  | 4.51%   | 0.533%  |
| 56 | 23.150 | 3439 | 3445 | 3458 | rVV  | 2652607 | 5061617 | 94.73%  | 11.208% |
| 57 | 23.285 | 3462 | 3468 | 3485 | rVB2 | 1174896 | 2164018 | 40.50%  | 4.792%  |
| 58 | 23.791 | 3550 | 3554 | 3564 | rVB  | 198424  | 361946  | 6.77%   | 0.801%  |
| 59 | 24.503 | 3671 | 3675 | 3682 | rVB  | 172432  | 317035  | 5.93%   | 0.702%  |

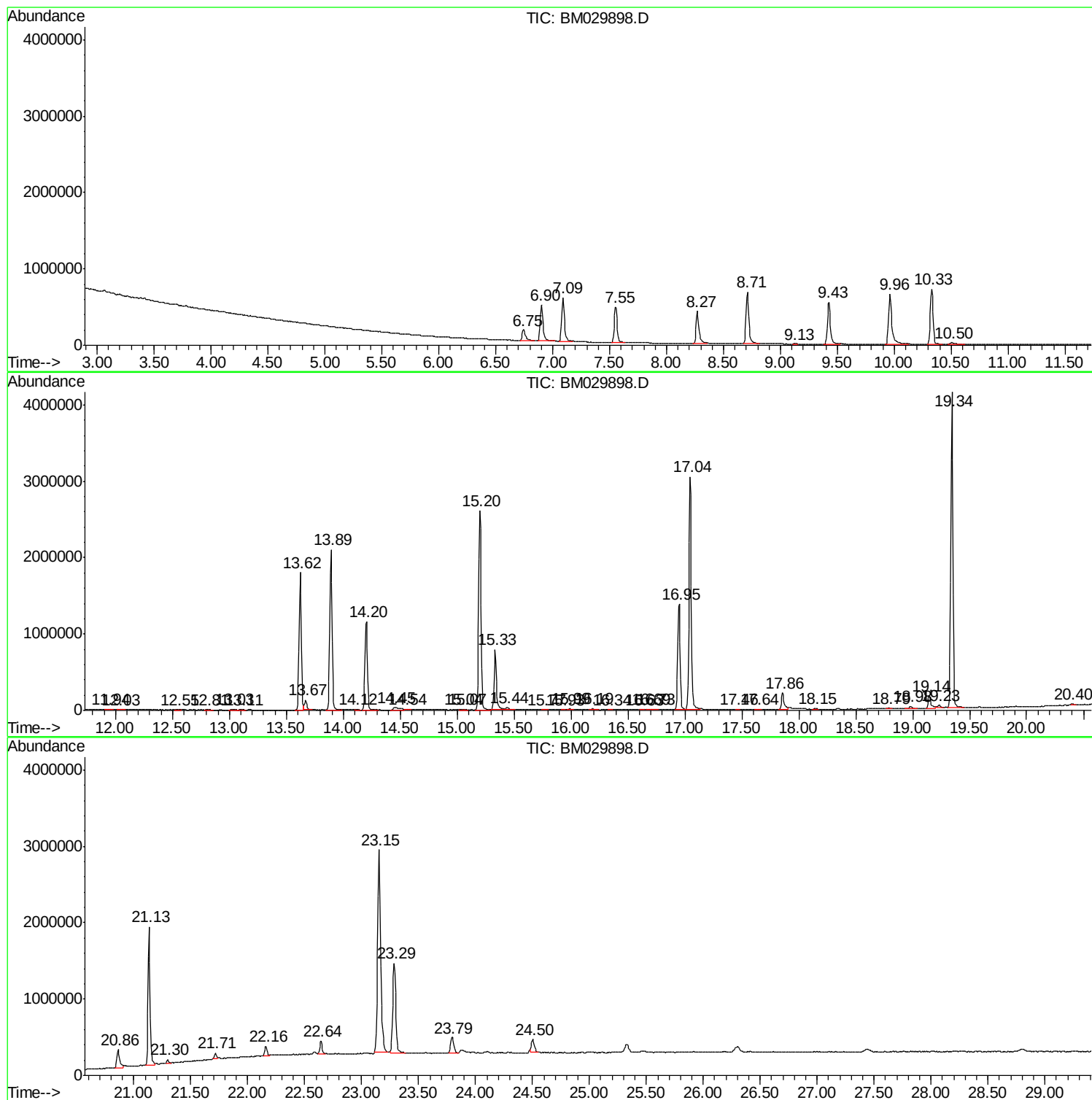
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050721.M  
Quant Title : SVOA CALIBRATION

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



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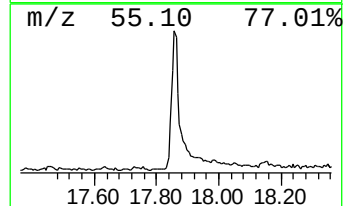
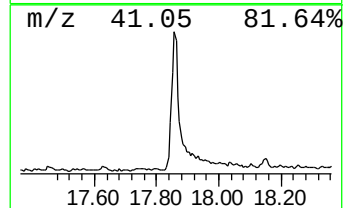
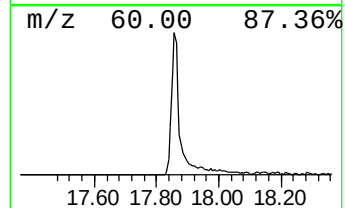
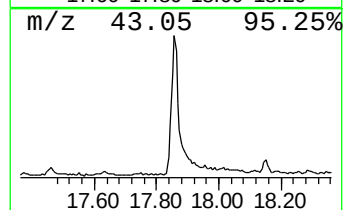
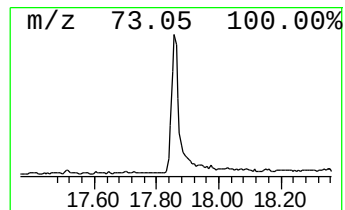
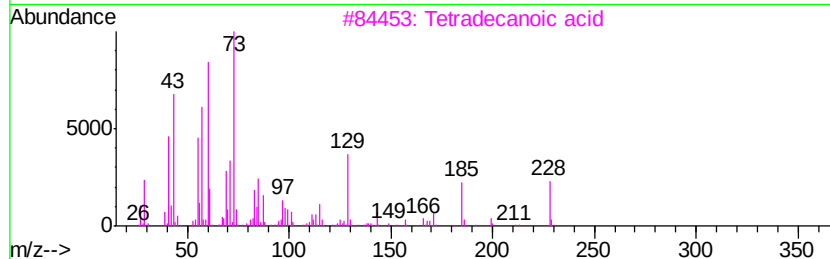
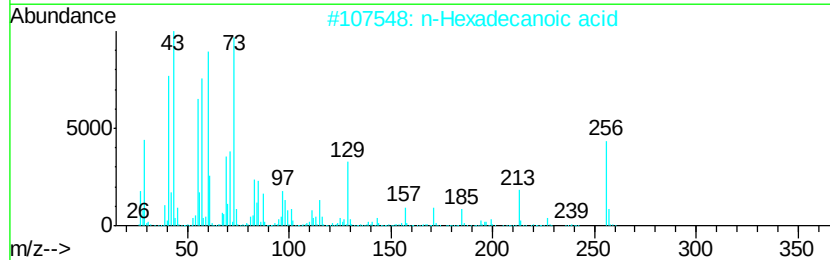
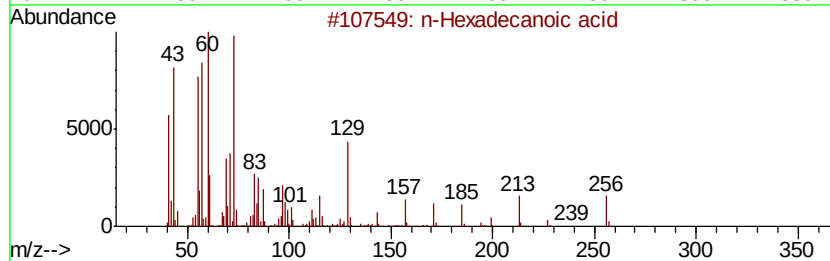
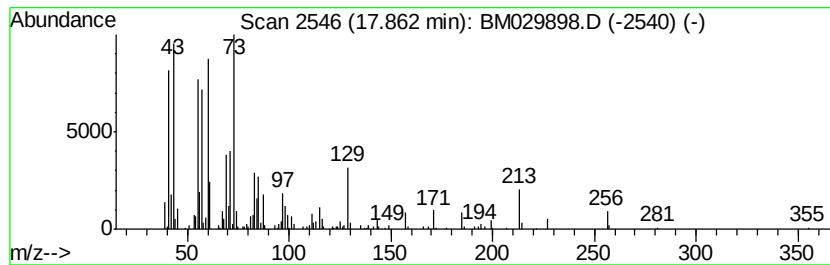
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050721.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|---------------------|--------------|------------------|-------------|------|------|
| 17.86   | 3.66 ng/ul          | 371380       | Phenanthrene-d10 | 16.95       |      |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 99   |      |
| 2       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 94   |      |
| 3       | Tetradecanoic acid  | 228          | C14H28O2         | 000544-63-8 | 87   |      |
| 4       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 87   |      |
| 5       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 87   |      |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM050721.M  
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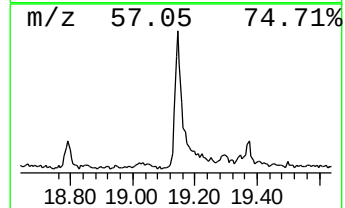
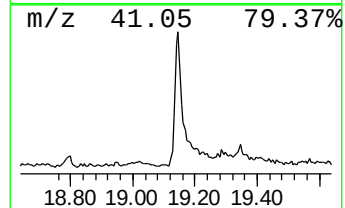
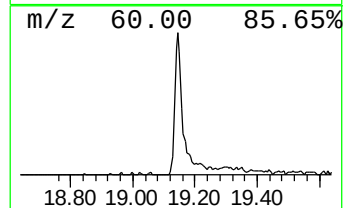
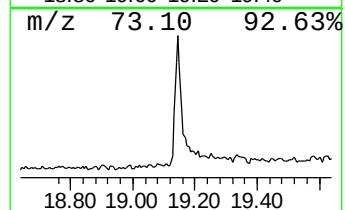
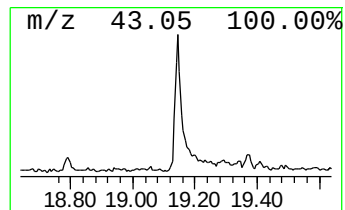
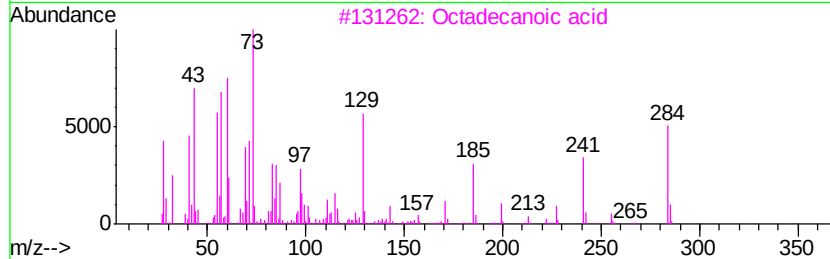
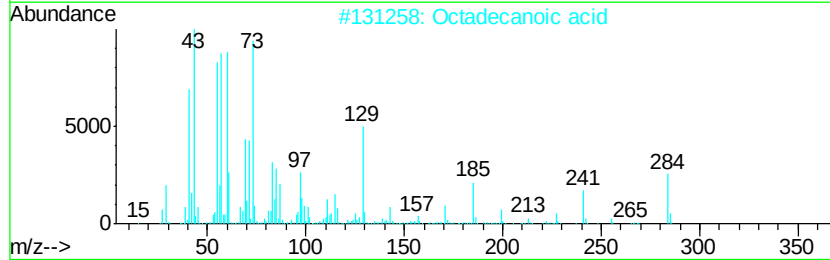
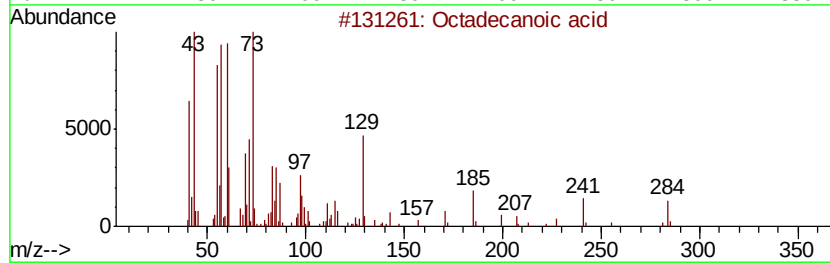
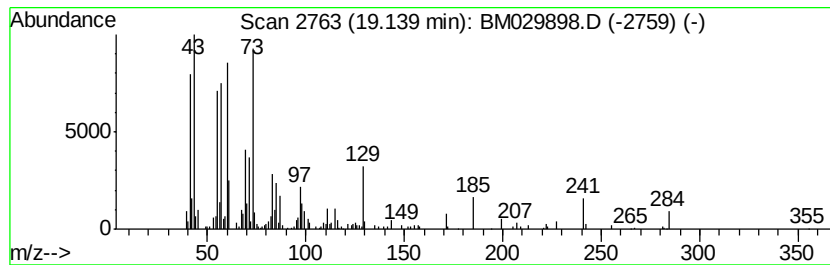
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octadecanoic acid Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.14 | 2.49 ng/ul | 291461 | Chrysene-d12     | 21.13 |

| 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 | 99   |
| 3    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 4    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 95   |
| 5    |    | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81   |



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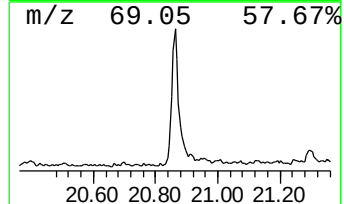
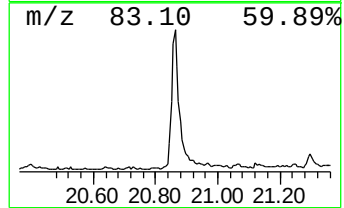
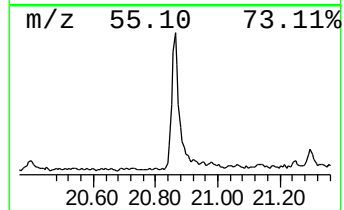
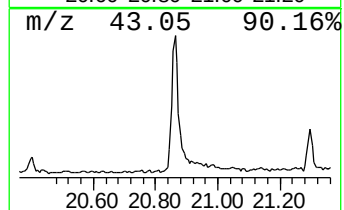
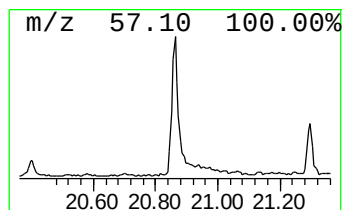
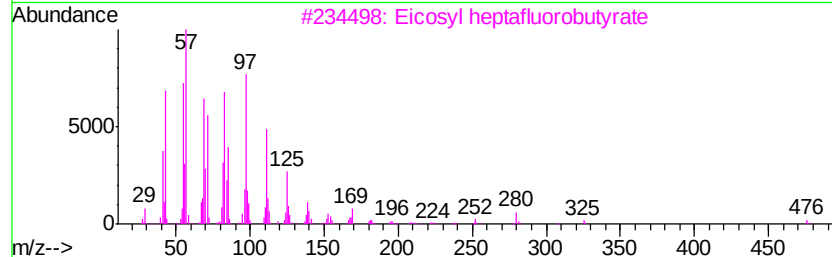
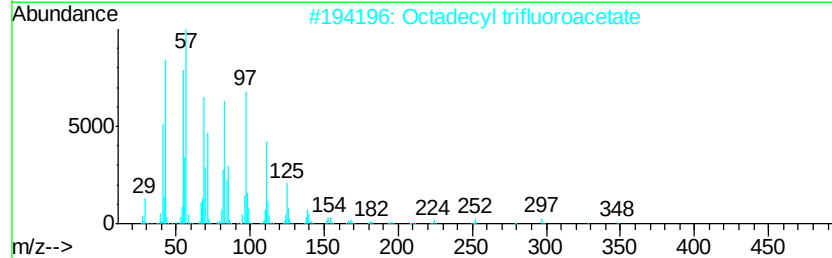
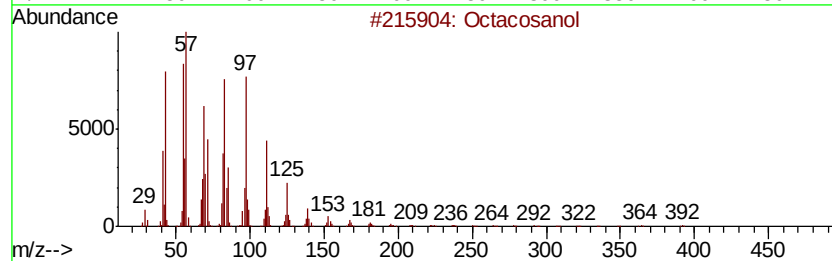
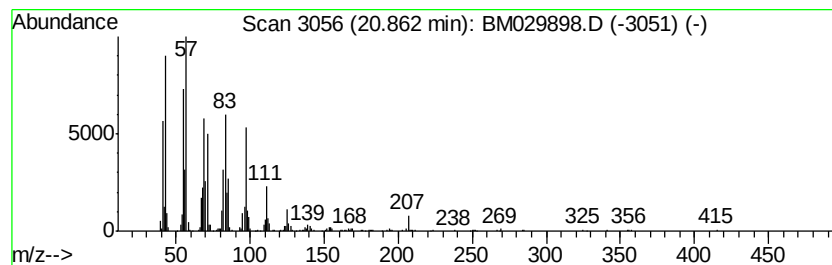
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Octacosanol Concentration Rank 2

| R.T.    | EstConc                     | Area           | Relative to ISTD | R.T.      |
|---------|-----------------------------|----------------|------------------|-----------|
| 20.86   | 3.52 ng/ul                  | 412033         | Chrysene-d12     | 21.13     |
| Hit# of | 5                           | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | Octacosanol                 | 410 C28H58O    | 000557-61-9      | 94        |
| 2       | Octadecyl trifluoroacetate  | 366 C20H37F3O2 | 079392-43-1      | 91        |
| 3       | Eicosyl heptafluorobutvrate | 494 C24H41F7O2 | 1000351-83-5     | 91        |
| 4       | 1-Heptacosanol              | 396 C27H56O    | 002004-39-9      | 91        |
| 5       | Nonadecyl trifluoroacetate  | 380 C21H39F3O2 | 1000351-76-3     | 91        |



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Quant Title : SVOA CALIBRATION

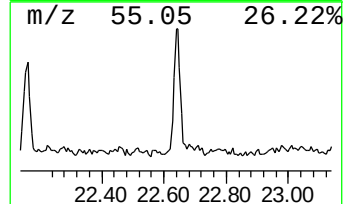
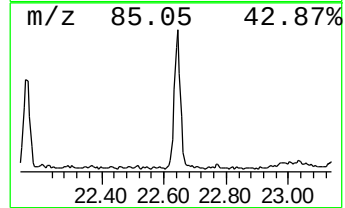
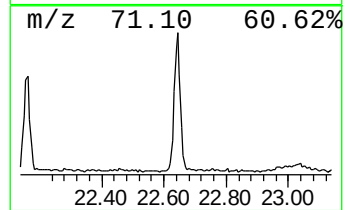
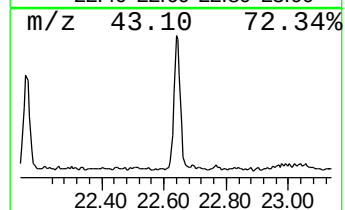
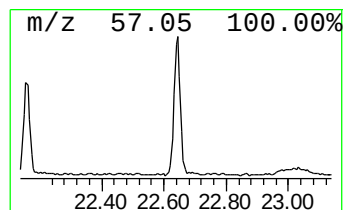
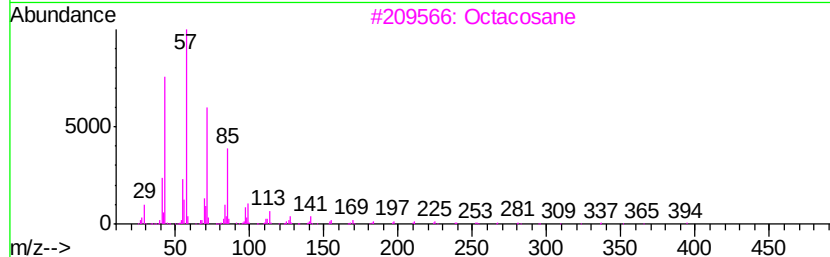
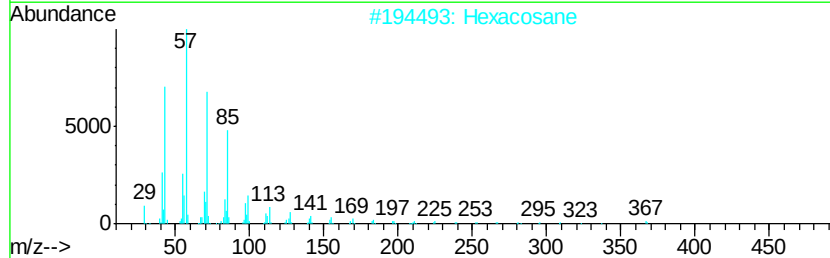
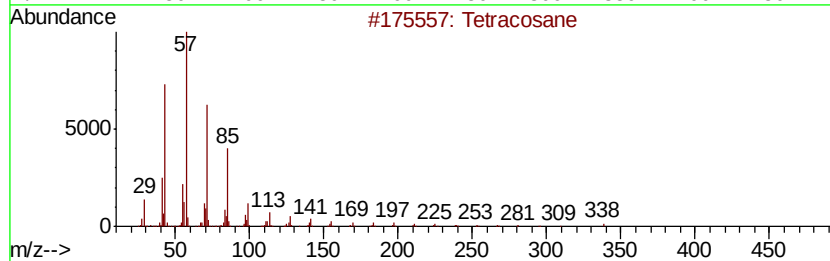
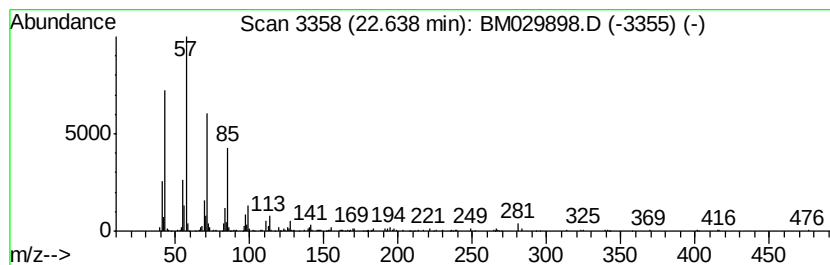
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.64 | 2.23 ng/ul | 240800 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane  | 338 | C24H50  | 000646-31-1 | 87   |
| 2    |    | Hexacosane   | 366 | C26H54  | 000630-01-3 | 87   |
| 3    |    | Octacosane   | 394 | C28H58  | 000630-02-4 | 87   |
| 4    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 87   |
| 5    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050721\  
Data File : BM029898.D  
Acq On : 08 May 2021 04:47  
Operator : CG/JU  
Sample : M2161-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AQ4

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

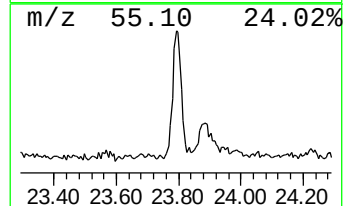
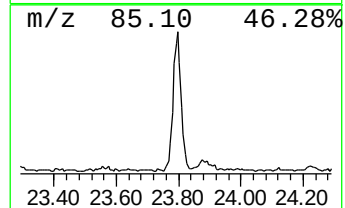
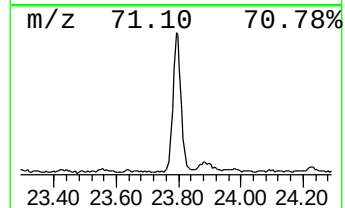
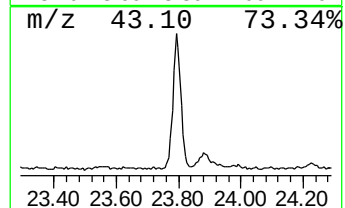
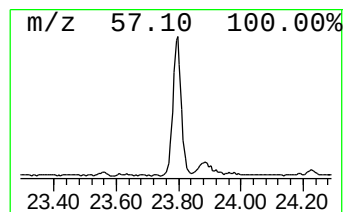
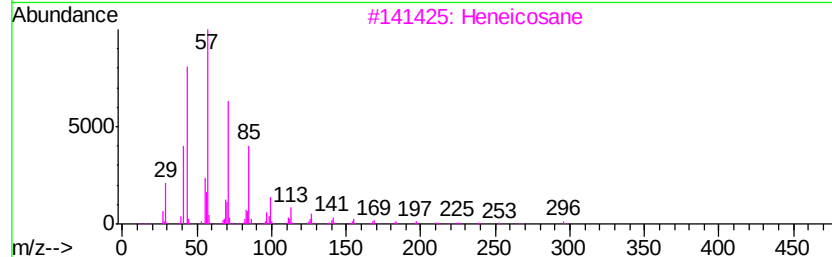
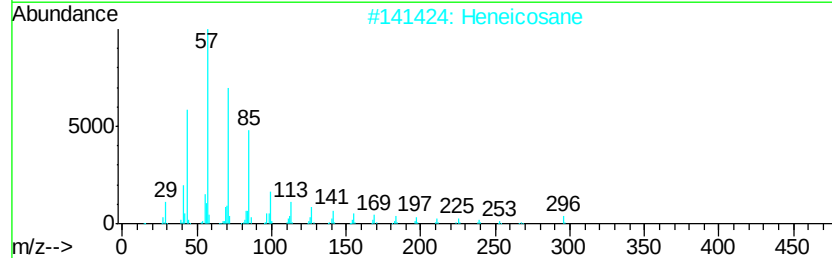
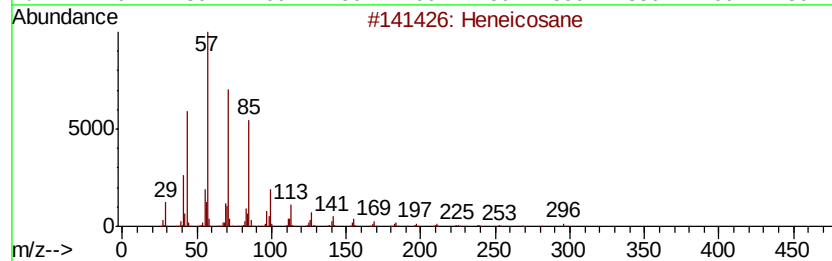
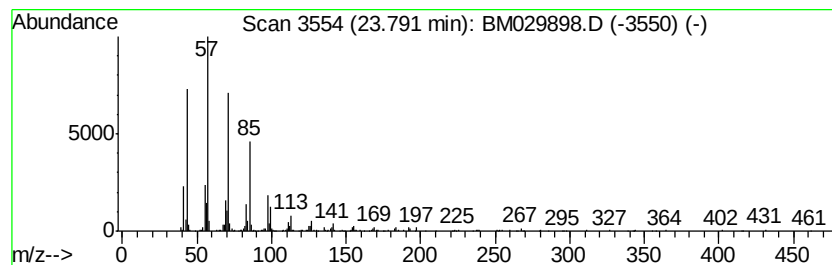
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.79 | 3.35 ng/ul | 361946 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 97   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 96   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 95   |
| 4    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 91   |
| 5    |    | Hexatriacontane       | 507 | C36H74  | 000630-06-8 | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050721\  
Data File : BM029898.D  
Acq On : 08 May 2021 04:47  
Operator : CG/JU  
Sample : M2161-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AQ4

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

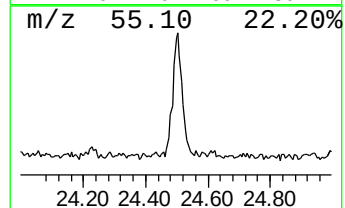
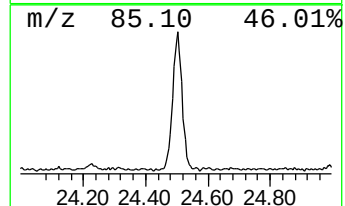
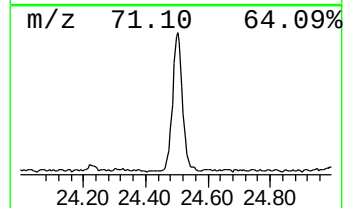
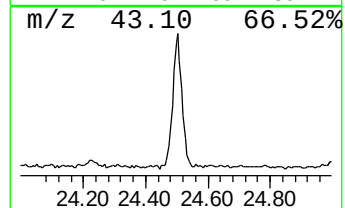
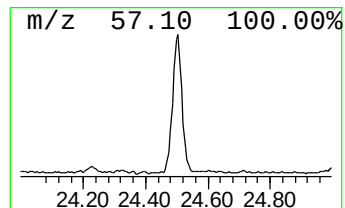
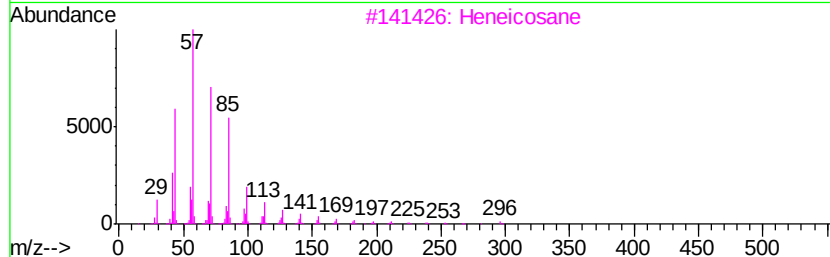
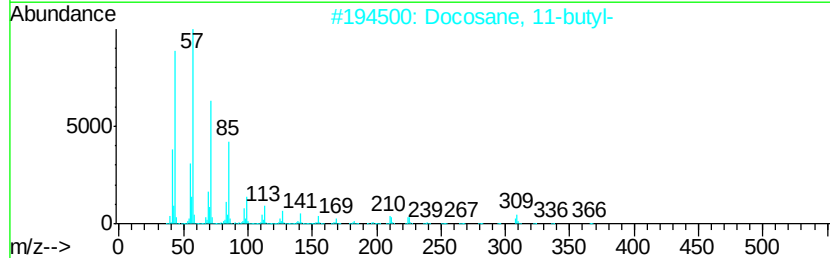
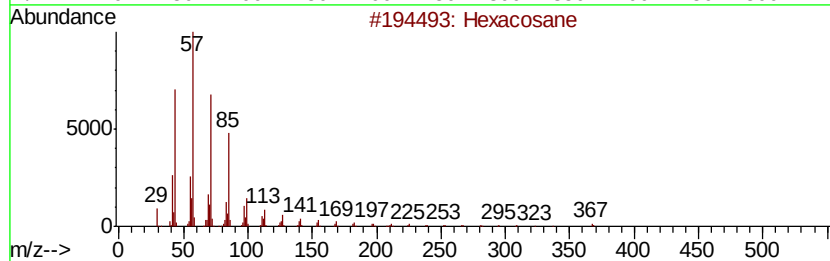
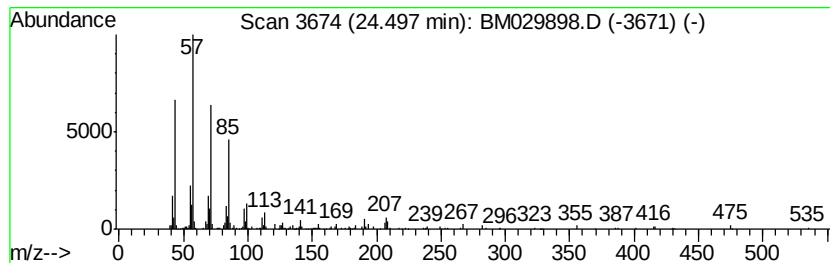
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.50 | 2.93 ng/ul | 317035 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane          | 366 | C26H54  | 000630-01-3 | 90   |
| 2    |    | Docosane, 11-butyl- | 366 | C26H54  | 013475-76-8 | 90   |
| 3    |    | Heneicosane         | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Heptacosane         | 380 | C27H56  | 000593-49-7 | 90   |
| 5    |    | Octacosane          | 394 | C28H58  | 000630-02-4 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM050721\  
Data File : BM029898.D  
Acq On : 08 May 2021 04:47  
Operator : CG/JU  
Sample : M2161-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AQ4

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.86 | 3.7     | ng/ul | 371380   | 4                     | 16.95 | 2029260 | 20.0 |
| Octadecanoic acid    | 19.14 | 2.5     | ng/ul | 291461   | 5                     | 21.13 | 2344420 | 20.0 |
| Octacosanol          | 20.86 | 3.5     | ng/ul | 412033   | 5                     | 21.13 | 2344420 | 20.0 |
| (DEL) Alkane: Str... | 22.64 | 2.2     | ng/ul | 240800   | 6                     | 23.29 | 2164020 | 20.0 |
| (DEL) Alkane: Str... | 23.79 | 3.4     | ng/ul | 361946   | 6                     | 23.29 | 2164020 | 20.0 |
| (DEL) Alkane: Str... | 24.50 | 2.9     | ng/ul | 317035   | 6                     | 23.29 | 2164020 | 20.0 |