

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN021424\  
 Data File : BN029747.D  
 Acq On : 14 Feb 2024 00:16  
 Operator : MA/JU  
 Sample : P1352-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0FN7

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\_N\Methods\SFAM-EPA-BN020724.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BN029747.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.322       | 37            | 40          | 49           | rVB      | 52497          | 70976         | 1.74%           | 0.152%        |
| 2         | 3.734       | 106           | 110         | 126          | rBV      | 392329         | 656674        | 16.12%          | 1.409%        |
| 3         | 4.052       | 161           | 164         | 168          | rBV2     | 14263          | 17864         | 0.44%           | 0.038%        |
| 4         | 7.040       | 664           | 672         | 687          | rBV      | 854982         | 1390338       | 34.14%          | 2.984%        |
| 5         | 7.210       | 695           | 701         | 712          | rBV      | 678317         | 1100898       | 27.03%          | 2.363%        |
| 6         | 7.399       | 726           | 733         | 744          | rVB      | 845632         | 1319121       | 32.39%          | 2.831%        |
| 7         | 7.493       | 747           | 749         | 759          | rVB2     | 14720          | 27143         | 0.67%           | 0.058%        |
| 8         | 7.869       | 806           | 813         | 820          | rBV      | 709602         | 1099741       | 27.00%          | 2.360%        |
| 9         | 7.934       | 820           | 824         | 828          | rVB4     | 8047           | 11986         | 0.29%           | 0.026%        |
| 10        | 8.428       | 904           | 908         | 913          | rBV7     | 2524           | 5445          | 0.13%           | 0.012%        |
| 11        | 8.581       | 927           | 934         | 948          | rBV      | 1048124        | 1689431       | 41.48%          | 3.626%        |
| 12        | 8.981       | 998           | 1002        | 1003         | rBV4     | 5096           | 6523          | 0.16%           | 0.014%        |
| 13        | 9.034       | 1004          | 1011        | 1021         | rVB      | 846864         | 1403923       | 34.47%          | 3.013%        |
| 14        | 9.134       | 1027          | 1028        | 1033         | rVB5     | 3176           | 4326          | 0.11%           | 0.009%        |
| 15        | 9.210       | 1033          | 1041        | 1044         | rBV10    | 6515           | 13341         | 0.33%           | 0.029%        |
| 16        | 9.428       | 1073          | 1078        | 1083         | rVB7     | 5610           | 7874          | 0.19%           | 0.017%        |
| 17        | 9.757       | 1126          | 1134        | 1149         | rBV      | 646069         | 1092828       | 26.83%          | 2.346%        |
| 18        | 10.287      | 1217          | 1224        | 1238         | rBV      | 1030017        | 1740866       | 42.74%          | 3.736%        |
| 19        | 10.457      | 1251          | 1253        | 1258         | rVB5     | 3363           | 4673          | 0.11%           | 0.010%        |
| 20        | 10.669      | 1281          | 1289        | 1296         | rBV      | 879416         | 1499231       | 36.81%          | 3.218%        |
| 21        | 10.816      | 1305          | 1314        | 1326         | rBV      | 935581         | 1701948       | 41.79%          | 3.653%        |
| 22        | 11.434      | 1415          | 1419        | 1421         | rBV4     | 3257           | 4274          | 0.10%           | 0.009%        |
| 23        | 12.263      | 1553          | 1560        | 1564         | rBV2     | 16950          | 28332         | 0.70%           | 0.061%        |
| 24        | 12.875      | 1659          | 1664        | 1666         | rVB5     | 3802           | 4625          | 0.11%           | 0.010%        |
| 25        | 13.339      | 1740          | 1743        | 1746         | rBV4     | 5744           | 6578          | 0.16%           | 0.014%        |
| 26        | 13.416      | 1750          | 1756        | 1762         | rVV      | 52567          | 82175         | 2.02%           | 0.176%        |
| 27        | 13.745      | 1806          | 1812        | 1816         | rBV5     | 6464           | 9808          | 0.24%           | 0.021%        |
| 28        | 13.934      | 1837          | 1844        | 1858         | rBV      | 1780782        | 2571786       | 63.14%          | 5.520%        |
| 29        | 14.204      | 1879          | 1890        | 1904         | rBV      | 2120674        | 3198675       | 78.53%          | 6.865%        |
| 30        | 14.416      | 1924          | 1926        | 1932         | rVB6     | 4733           | 7062          | 0.17%           | 0.015%        |
| 31        | 14.510      | 1935          | 1942        | 1951         | rVV      | 1055513        | 1607372       | 39.46%          | 3.450%        |
| 32        | 14.622      | 1960          | 1961        | 1967         | rVB5     | 3355           | 4476          | 0.11%           | 0.010%        |
| 33        | 14.722      | 1970          | 1978        | 1996         | rBV      | 732009         | 1219392       | 29.94%          | 2.617%        |
| 34        | 14.945      | 2011          | 2016        | 2022         | rVB8     | 8222           | 17035         | 0.42%           | 0.037%        |
| 35        | 15.051      | 2029          | 2034        | 2037         | rVB6     | 3364           | 4655          | 0.11%           | 0.010%        |
| 36        | 15.322      | 2076          | 2080        | 2082         | rVB4     | 3534           | 4096          | 0.10%           | 0.009%        |

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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\_N\Methods\SFAM-EPA-BN020724.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 15.375 | 2085 | 2089 | 2093 | rVB6 | 3208    | 5185    | 0.13%   | 0.011% |
| 38 | 15.510 | 2105 | 2112 | 2126 | rBV  | 2621187 | 3707330 | 91.02%  | 7.957% |
| 39 | 15.633 | 2126 | 2133 | 2147 | rVV  | 627553  | 888934  | 21.82%  | 1.908% |
| 40 | 15.751 | 2149 | 2153 | 2157 | rVB3 | 9705    | 13373   | 0.33%   | 0.029% |
| 41 | 16.075 | 2203 | 2208 | 2212 | rBV8 | 8048    | 12165   | 0.30%   | 0.026% |
| 42 | 16.298 | 2240 | 2246 | 2249 | rVB5 | 7715    | 10997   | 0.27%   | 0.024% |
| 43 | 16.675 | 2306 | 2310 | 2318 | rVB4 | 16406   | 21110   | 0.52%   | 0.045% |
| 44 | 16.939 | 2354 | 2355 | 2359 | rVB4 | 4217    | 4483    | 0.11%   | 0.010% |
| 45 | 17.039 | 2368 | 2372 | 2377 | rBV7 | 4140    | 8420    | 0.21%   | 0.018% |
| 46 | 17.086 | 2377 | 2380 | 2383 | rVB5 | 3879    | 4948    | 0.12%   | 0.011% |
| 47 | 17.263 | 2403 | 2410 | 2421 | rVV  | 1135621 | 1628514 | 39.98%  | 3.495% |
| 48 | 17.363 | 2421 | 2427 | 2437 | rVV2 | 2475153 | 3633199 | 89.20%  | 7.798% |
| 49 | 17.445 | 2438 | 2441 | 2449 | rVV8 | 18815   | 41757   | 1.03%   | 0.090% |
| 50 | 17.510 | 2449 | 2452 | 2455 | rVB3 | 7221    | 9261    | 0.23%   | 0.020% |
| 51 | 17.663 | 2471 | 2478 | 2482 | rBV7 | 10922   | 16585   | 0.41%   | 0.036% |
| 52 | 17.957 | 2524 | 2528 | 2535 | rVB3 | 25897   | 38441   | 0.94%   | 0.083% |
| 53 | 18.045 | 2539 | 2543 | 2551 | rBV8 | 23577   | 37972   | 0.93%   | 0.081% |
| 54 | 18.122 | 2553 | 2556 | 2558 | rBV4 | 3403    | 4372    | 0.11%   | 0.009% |
| 55 | 18.175 | 2560 | 2565 | 2576 | rBV  | 252651  | 380261  | 9.34%   | 0.816% |
| 56 | 18.475 | 2611 | 2616 | 2620 | rBV7 | 6122    | 11687   | 0.29%   | 0.025% |
| 57 | 18.610 | 2635 | 2639 | 2643 | rBV3 | 16822   | 20476   | 0.50%   | 0.044% |
| 58 | 18.845 | 2676 | 2679 | 2682 | rBV4 | 5689    | 8653    | 0.21%   | 0.019% |
| 59 | 18.904 | 2685 | 2689 | 2692 | rVV6 | 4070    | 5241    | 0.13%   | 0.011% |
| 60 | 18.986 | 2699 | 2703 | 2705 | rBV5 | 5976    | 8458    | 0.21%   | 0.018% |
| 61 | 19.080 | 2715 | 2719 | 2722 | rVB6 | 3686    | 5343    | 0.13%   | 0.011% |
| 62 | 19.139 | 2726 | 2729 | 2733 | rVB5 | 7313    | 8469    | 0.21%   | 0.018% |
| 63 | 19.227 | 2739 | 2744 | 2749 | rBV2 | 33115   | 43460   | 1.07%   | 0.093% |
| 64 | 19.298 | 2752 | 2756 | 2760 | rBV  | 26945   | 44826   | 1.10%   | 0.096% |
| 65 | 19.339 | 2760 | 2763 | 2768 | rVB4 | 18636   | 26316   | 0.65%   | 0.056% |
| 66 | 19.463 | 2779 | 2784 | 2790 | rBV  | 78113   | 105133  | 2.58%   | 0.226% |
| 67 | 19.610 | 2806 | 2809 | 2812 | rBV5 | 5237    | 8500    | 0.21%   | 0.018% |
| 68 | 19.663 | 2812 | 2818 | 2827 | rBV  | 2948068 | 3947560 | 96.92%  | 8.473% |
| 69 | 20.198 | 2906 | 2909 | 2912 | rBV4 | 10751   | 13894   | 0.34%   | 0.030% |
| 70 | 20.233 | 2912 | 2915 | 2919 | rVB2 | 34456   | 36724   | 0.90%   | 0.079% |
| 71 | 21.192 | 3074 | 3078 | 3088 | rBV  | 271859  | 361855  | 8.88%   | 0.777% |
| 72 | 21.463 | 3119 | 3124 | 3141 | rBV2 | 1189011 | 1608147 | 39.48%  | 3.452% |
| 73 | 22.739 | 3336 | 3341 | 3348 | rBV  | 334441  | 464212  | 11.40%  | 0.996% |
| 74 | 23.680 | 3493 | 3501 | 3514 | rBV2 | 2010475 | 4073031 | 100.00% | 8.742% |
| 75 | 23.833 | 3521 | 3527 | 3536 | rVB  | 850573  | 1686836 | 41.41%  | 3.620% |

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Instrument :  
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ClientSampleId :  
C0FN7

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\_N\Methods\SFAM-EPA-BN020724.MA.M  
Title : SVOA CALIBRATION

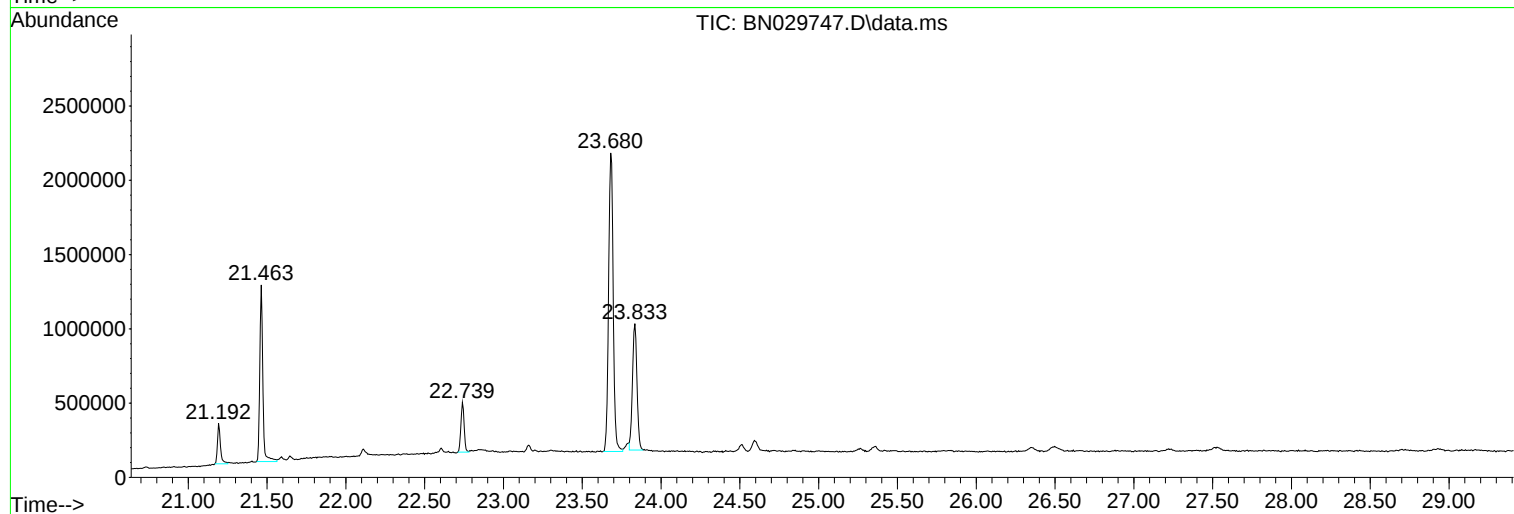
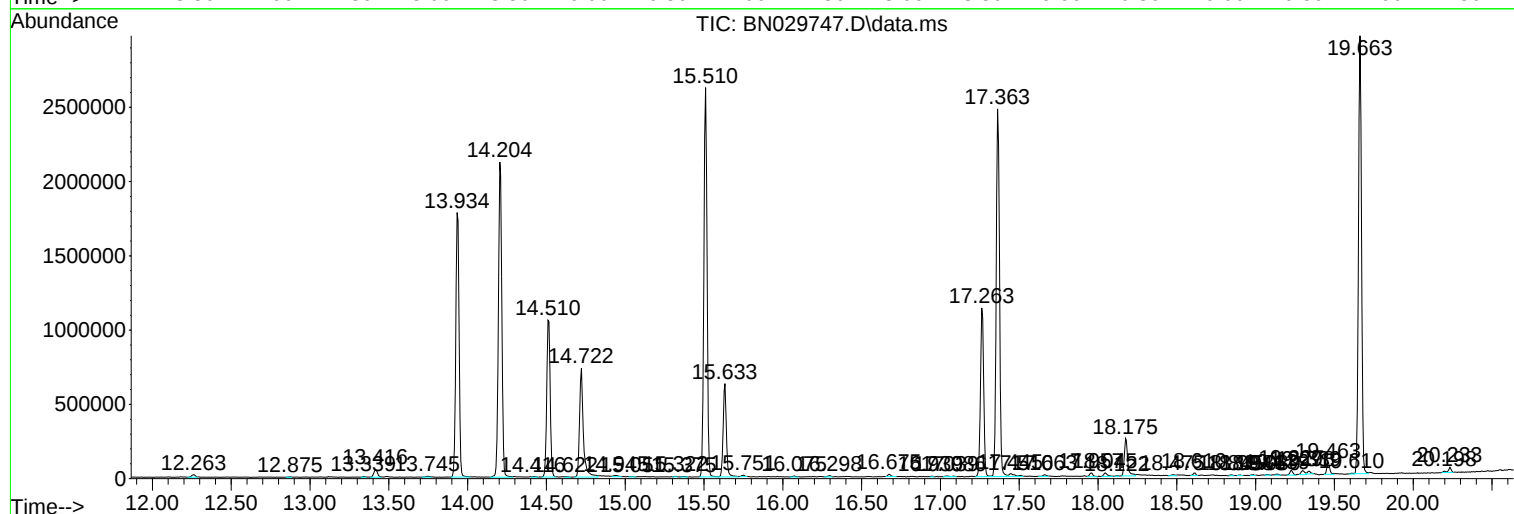
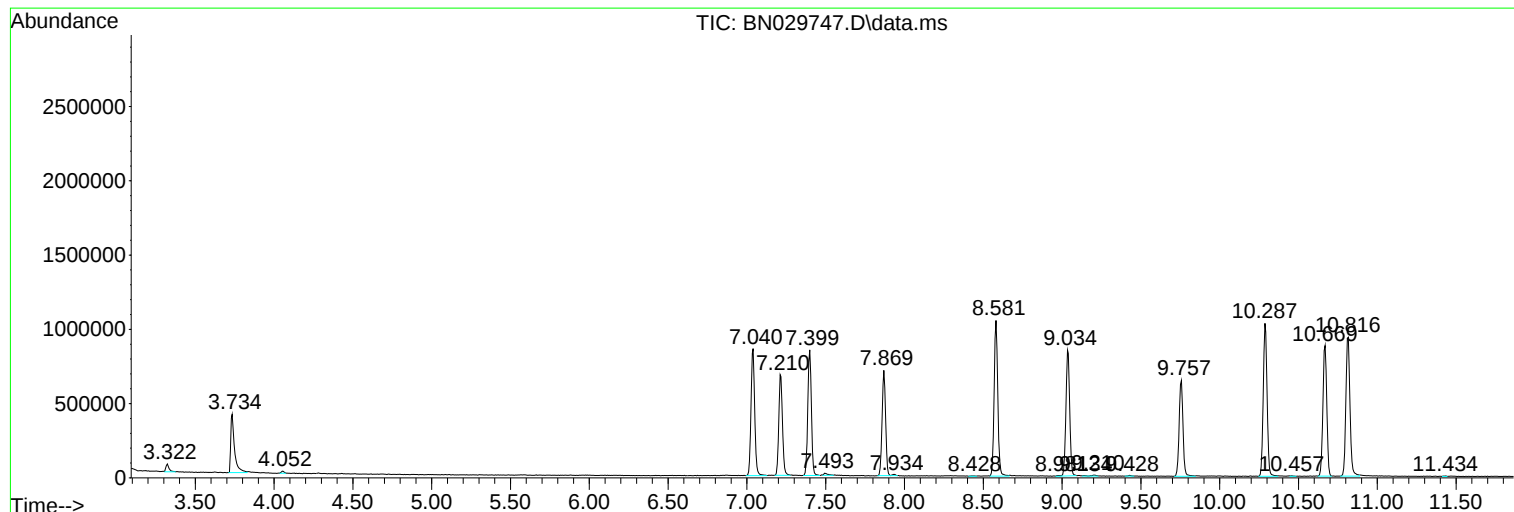
Sum of corrected areas: 46591619

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020724.MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020724.MA.M  
Quant Title : SVOA CALIBRATION

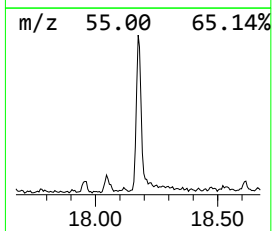
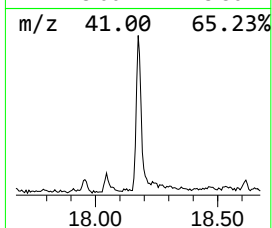
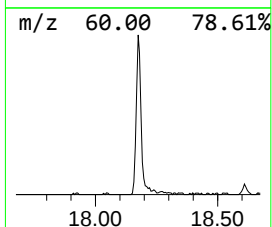
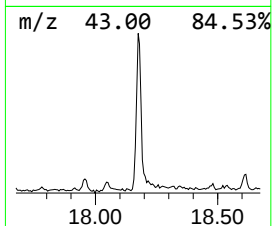
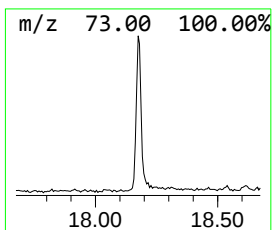
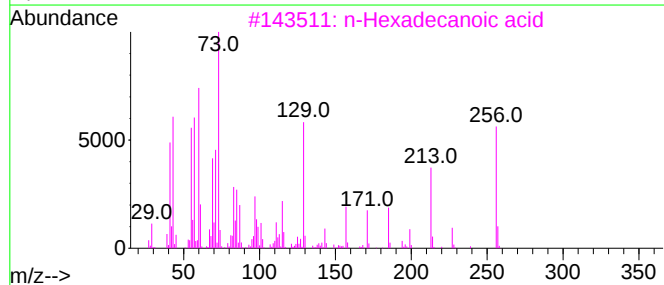
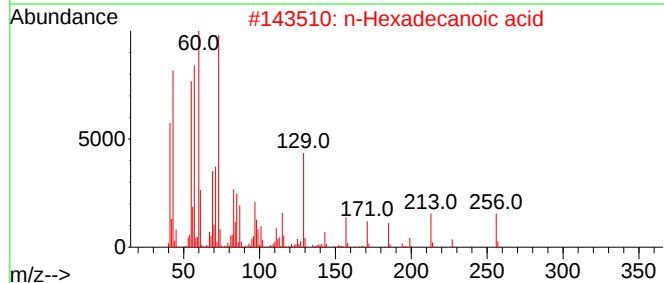
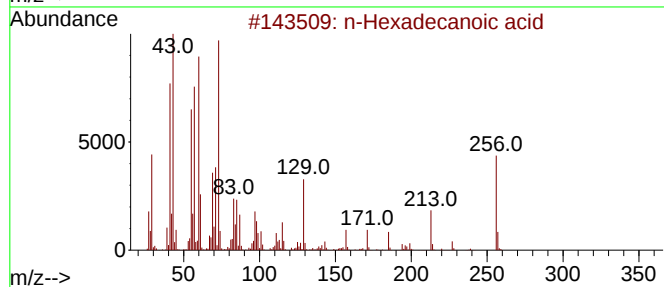
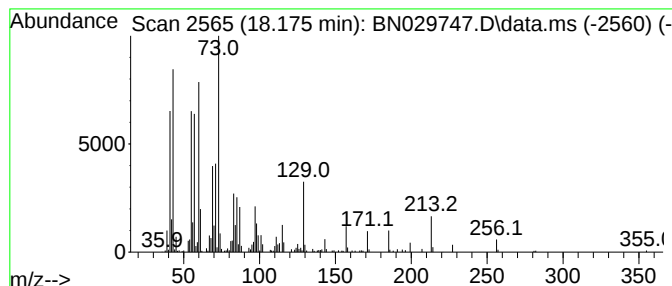
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.174 | 4.67 ng/ul | 380261 | Phenanthrene-d10 | 17.263 |

| 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 | 98      |      |      |
| 3    | n-Hexadecanoic acid | 256 | C16H32O2     | 000057-10-3 | 97      |      |      |
| 4    | n-Hexadecanoic acid | 256 | C16H32O2     | 000057-10-3 | 95      |      |      |
| 5    | Pentadecanoic acid  | 242 | C15H30O2     | 001002-84-2 | 87      |      |      |



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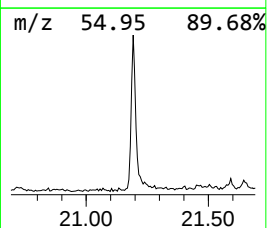
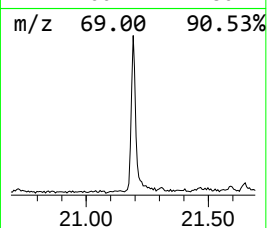
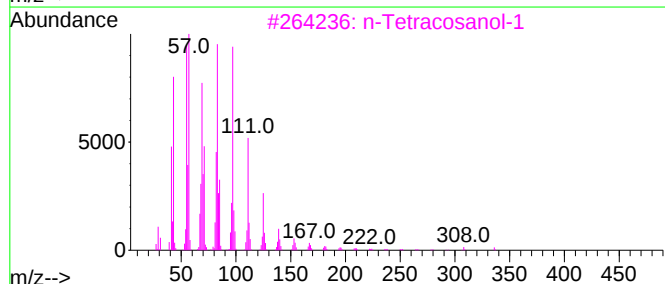
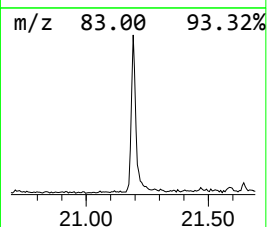
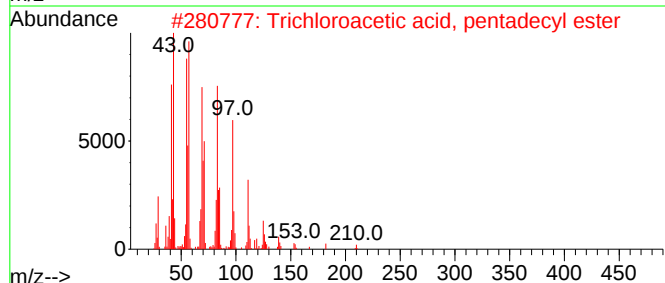
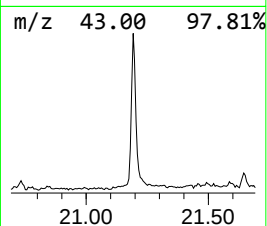
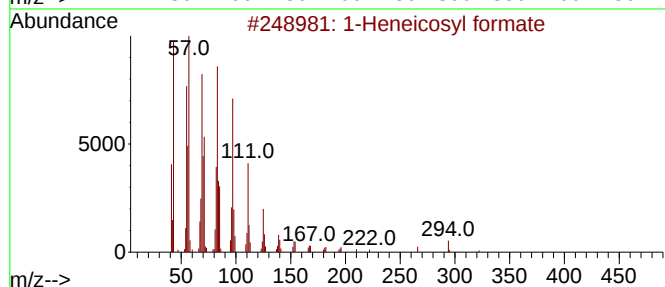
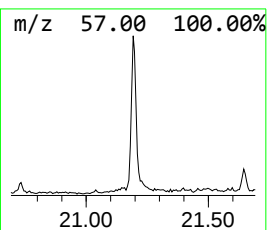
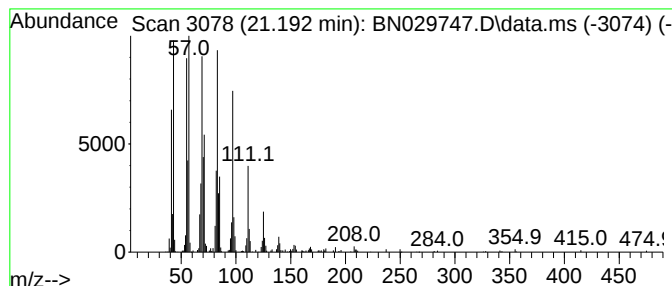
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020724.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 1-Heneicosyl formate Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 21.192 | 4.50 ng/ul | 361855 | Chrysene-d12     | 21.463 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7 | 94   |
| 2    |    |   | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 94   |
| 3    |    |   | n-Tetracosanol-1                    | 354 | C24H50O     | 000506-51-4 | 94   |
| 4    |    |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94   |
| 5    |    |   | 1-Heptacosanol                      | 396 | C27H56O     | 002004-39-9 | 91   |



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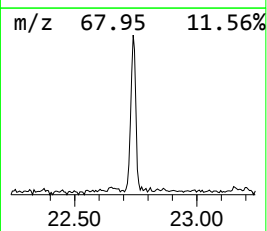
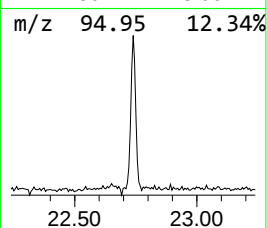
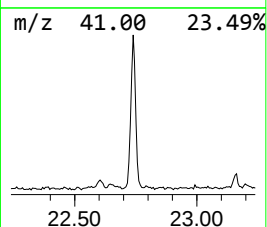
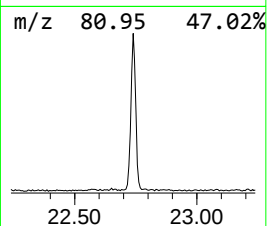
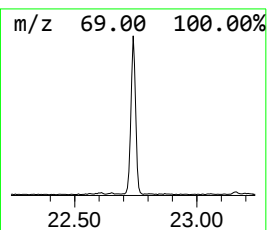
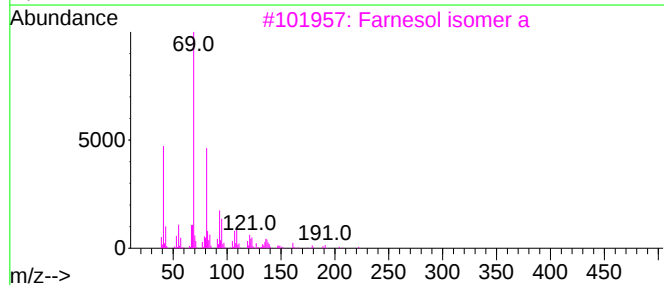
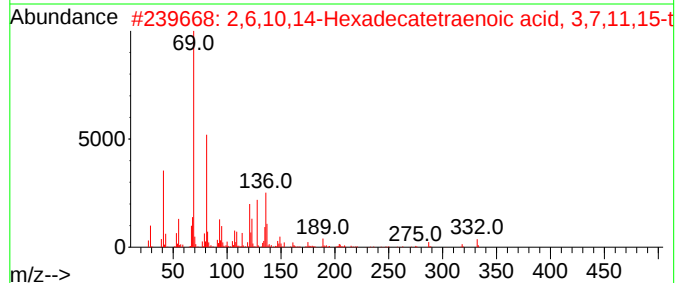
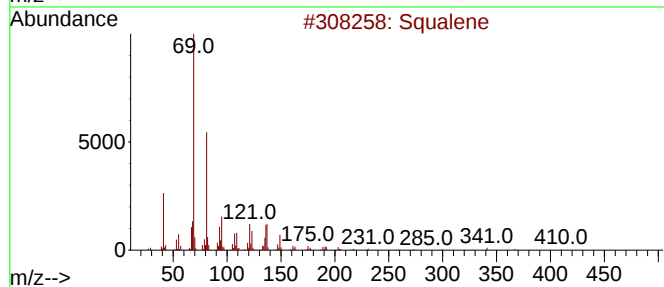
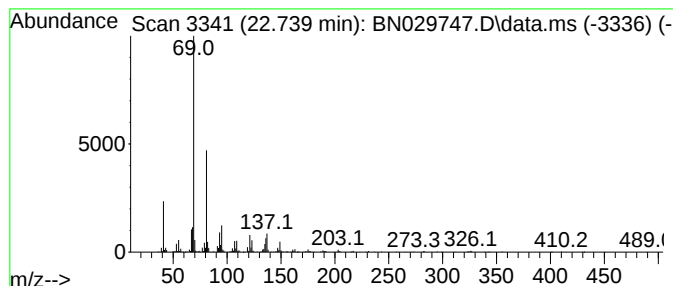
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020724.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Squalene Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 22.739 | 5.50 ng/ul | 464212 | Perylene-d12     | 23.833 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Squalene                            | 410 | C30H50   | 000111-02-4  | 83   |
| 2    |    |   | 2,6,10,14-Hexadecatetraenoic aci... | 332 | C22H36O2 | 024035-35-6  | 78   |
| 3    |    |   | Farnesol isomer a                   | 222 | C15H26O  | 1000108-92-4 | 72   |
| 4    |    |   | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O  | 125529-10-4  | 72   |
| 5    |    |   | 4,8,12-Tetradecatrienal, 5,9,13-... | 248 | C17H28O  | 066408-55-7  | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN021424\  
Data File : BN029747.D  
Acq On : 14 Feb 2024 00:16  
Operator : MA/JU  
Sample : P1352-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0FN7

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020724.MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| n-Hexadecanoic ... | 18.174 | 4.7     | ng/ul | 380261   | 4                     | 17.263 | 1628510 | 20.0 |
| 1-Heneicosyl fo... | 21.192 | 4.5     | ng/ul | 361855   | 5                     | 21.463 | 1608150 | 20.0 |
| Squalene           | 22.739 | 5.5     | ng/ul | 464212   | 6                     | 23.833 | 1686840 | 20.0 |