

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN021623\  
 Data File : BN024053.D  
 Acq On : 16 Feb 2023 14:23  
 Operator : CG/JU  
 Sample : 01534-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B39

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-BN020623.M  
 Title : SVOA CALIBRATION

Signal : TIC: BN024053.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         | 3.222       | 19            | 23          | 29           | rVB      | 33819          | 42137         | 1.11%           | 0.099%        |
| 2         | 3.522       | 72            | 74          | 79           | rVB3     | 3743           | 4772          | 0.13%           | 0.011%        |
| 3         | 3.646       | 93            | 95          | 113          | rBV      | 402865         | 625295        | 16.51%          | 1.470%        |
| 4         | 3.875       | 131           | 134         | 139          | rVB4     | 5508           | 8387          | 0.22%           | 0.020%        |
| 5         | 3.975       | 147           | 151         | 156          | rVB      | 10284          | 13174         | 0.35%           | 0.031%        |
| 6         | 4.911       | 304           | 310         | 317          | rVB2     | 10058          | 18735         | 0.49%           | 0.044%        |
| 7         | 6.216       | 528           | 532         | 538          | rBV4     | 3625           | 5220          | 0.14%           | 0.012%        |
| 8         | 6.999       | 658           | 665         | 677          | rVB      | 606898         | 930540        | 24.58%          | 2.187%        |
| 9         | 7.163       | 686           | 693         | 703          | rVB      | 505846         | 754937        | 19.94%          | 1.774%        |
| 10        | 7.358       | 719           | 726         | 737          | rVB      | 631890         | 956289        | 25.26%          | 2.248%        |
| 11        | 7.828       | 799           | 806         | 813          | rBV      | 631762         | 961186        | 25.39%          | 2.259%        |
| 12        | 7.899       | 815           | 818         | 820          | rVB3     | 3856           | 4357          | 0.12%           | 0.010%        |
| 13        | 8.546       | 921           | 928         | 939          | rBV      | 768950         | 1158308       | 30.59%          | 2.723%        |
| 14        | 8.999       | 998           | 1005        | 1013         | rBV      | 603997         | 947370        | 25.02%          | 2.227%        |
| 15        | 9.157       | 1028          | 1032        | 1037         | rVB6     | 3032           | 4774          | 0.13%           | 0.011%        |
| 16        | 9.399       | 1068          | 1073        | 1077         | rVB2     | 11938          | 17286         | 0.46%           | 0.041%        |
| 17        | 9.722       | 1118          | 1128        | 1140         | rBV      | 509794         | 807985        | 21.34%          | 1.899%        |
| 18        | 10.257      | 1212          | 1219        | 1231         | rBV      | 775276         | 1239496       | 32.74%          | 2.913%        |
| 19        | 10.634      | 1275          | 1283        | 1291         | rBV      | 886610         | 1455806       | 38.45%          | 3.422%        |
| 20        | 10.781      | 1298          | 1308        | 1324         | rBV      | 700825         | 1185379       | 31.31%          | 2.786%        |
| 21        | 11.893      | 1493          | 1497        | 1501         | rVB3     | 4176           | 6993          | 0.18%           | 0.016%        |
| 22        | 12.051      | 1521          | 1524        | 1528         | rVB5     | 2343           | 3827          | 0.10%           | 0.009%        |
| 23        | 12.146      | 1535          | 1540        | 1543         | rBV4     | 2009           | 3805          | 0.10%           | 0.009%        |
| 24        | 12.228      | 1547          | 1554        | 1560         | rVV2     | 13567          | 20271         | 0.54%           | 0.048%        |
| 25        | 13.004      | 1683          | 1686        | 1692         | rBV7     | 2350           | 3830          | 0.10%           | 0.009%        |
| 26        | 13.298      | 1732          | 1736        | 1744         | rVB      | 10065          | 13892         | 0.37%           | 0.033%        |
| 27        | 13.898      | 1829          | 1838        | 1845         | rBV      | 1438254        | 1907293       | 50.37%          | 4.483%        |
| 28        | 14.004      | 1852          | 1856        | 1859         | rVB4     | 2914           | 4345          | 0.11%           | 0.010%        |
| 29        | 14.175      | 1878          | 1885        | 1897         | rBV      | 1571553        | 2190493       | 57.85%          | 5.149%        |
| 30        | 14.375      | 1914          | 1919        | 1923         | rVB2     | 12116          | 15966         | 0.42%           | 0.038%        |
| 31        | 14.481      | 1931          | 1937        | 1948         | rBV      | 1421682        | 2038590       | 53.84%          | 4.792%        |
| 32        | 14.569      | 1950          | 1952        | 1959         | rVB6     | 3238           | 5381          | 0.14%           | 0.013%        |
| 33        | 14.692      | 1967          | 1973        | 1988         | rBV      | 635136         | 935976        | 24.72%          | 2.200%        |
| 34        | 14.910      | 2002          | 2010        | 2016         | rVB9     | 8501           | 16938         | 0.45%           | 0.040%        |
| 35        | 15.275      | 2065          | 2072        | 2075         | rBV4     | 2732           | 4469          | 0.12%           | 0.011%        |
| 36        | 15.328      | 2075          | 2081        | 2086         | rVB8     | 4297           | 6819          | 0.18%           | 0.016%        |

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 Sample : 01534-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B39

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-BN020623.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 15.475 | 2098 | 2106 | 2121 | rBV  | 2016072 | 2831560 | 74.78%  | 6.656% |
| 38 | 15.598 | 2121 | 2127 | 2139 | rVV  | 659421  | 874786  | 23.10%  | 2.056% |
| 39 | 15.716 | 2142 | 2147 | 2152 | rVB5 | 9035    | 15204   | 0.40%   | 0.036% |
| 40 | 15.845 | 2163 | 2169 | 2174 | rBV  | 126893  | 169060  | 4.47%   | 0.397% |
| 41 | 16.634 | 2300 | 2303 | 2310 | rBV5 | 8739    | 15048   | 0.40%   | 0.035% |
| 42 | 16.698 | 2310 | 2314 | 2318 | rVB7 | 2168    | 3829    | 0.10%   | 0.009% |
| 43 | 17.157 | 2387 | 2392 | 2395 | rVB5 | 2991    | 5080    | 0.13%   | 0.012% |
| 44 | 17.234 | 2395 | 2405 | 2415 | rBV  | 1857850 | 2561375 | 67.65%  | 6.020% |
| 45 | 17.334 | 2415 | 2422 | 2432 | rVV  | 2209585 | 3081820 | 81.39%  | 7.244% |
| 46 | 17.428 | 2432 | 2438 | 2442 | rVB7 | 20319   | 41166   | 1.09%   | 0.097% |
| 47 | 17.616 | 2467 | 2470 | 2474 | rBV6 | 3781    | 4822    | 0.13%   | 0.011% |
| 48 | 17.904 | 2516 | 2519 | 2522 | rVB5 | 3775    | 4143    | 0.11%   | 0.010% |
| 49 | 18.004 | 2533 | 2536 | 2540 | rBV6 | 10187   | 15918   | 0.42%   | 0.037% |
| 50 | 18.133 | 2552 | 2558 | 2568 | rBV  | 314352  | 475623  | 12.56%  | 1.118% |
| 51 | 18.557 | 2626 | 2630 | 2636 | rVB4 | 18706   | 23985   | 0.63%   | 0.056% |
| 52 | 18.810 | 2670 | 2673 | 2675 | rBV4 | 3780    | 4834    | 0.13%   | 0.011% |
| 53 | 18.922 | 2689 | 2692 | 2693 | rBV3 | 3481    | 4269    | 0.11%   | 0.010% |
| 54 | 19.192 | 2734 | 2738 | 2743 | rBV2 | 28503   | 39294   | 1.04%   | 0.092% |
| 55 | 19.263 | 2746 | 2750 | 2753 | rBV  | 38981   | 57517   | 1.52%   | 0.135% |
| 56 | 19.410 | 2771 | 2775 | 2783 | rBV  | 75779   | 112259  | 2.96%   | 0.264% |
| 57 | 19.628 | 2806 | 2812 | 2818 | rBV2 | 2884057 | 3786312 | 100.00% | 8.900% |
| 58 | 20.169 | 2901 | 2904 | 2907 | rVB2 | 27137   | 29018   | 0.77%   | 0.068% |
| 59 | 20.663 | 2985 | 2988 | 2992 | rBV  | 59140   | 64284   | 1.70%   | 0.151% |
| 60 | 21.133 | 3063 | 3068 | 3076 | rBV  | 292291  | 492265  | 13.00%  | 1.157% |
| 61 | 21.422 | 3112 | 3117 | 3123 | rBV  | 2367129 | 2887577 | 76.26%  | 6.787% |
| 62 | 21.574 | 3140 | 3143 | 3148 | rBV2 | 81235   | 94286   | 2.49%   | 0.222% |
| 63 | 22.033 | 3218 | 3221 | 3225 | rBV2 | 67909   | 76267   | 2.01%   | 0.179% |
| 64 | 22.527 | 3303 | 3305 | 3311 | rVB2 | 64390   | 79536   | 2.10%   | 0.187% |
| 65 | 22.663 | 3324 | 3328 | 3334 | rVB  | 249125  | 316603  | 8.36%   | 0.744% |
| 66 | 23.657 | 3490 | 3497 | 3510 | rBV  | 1851268 | 3404798 | 89.92%  | 8.003% |
| 67 | 23.804 | 3515 | 3522 | 3531 | rVV2 | 1385355 | 2651726 | 70.03%  | 6.233% |

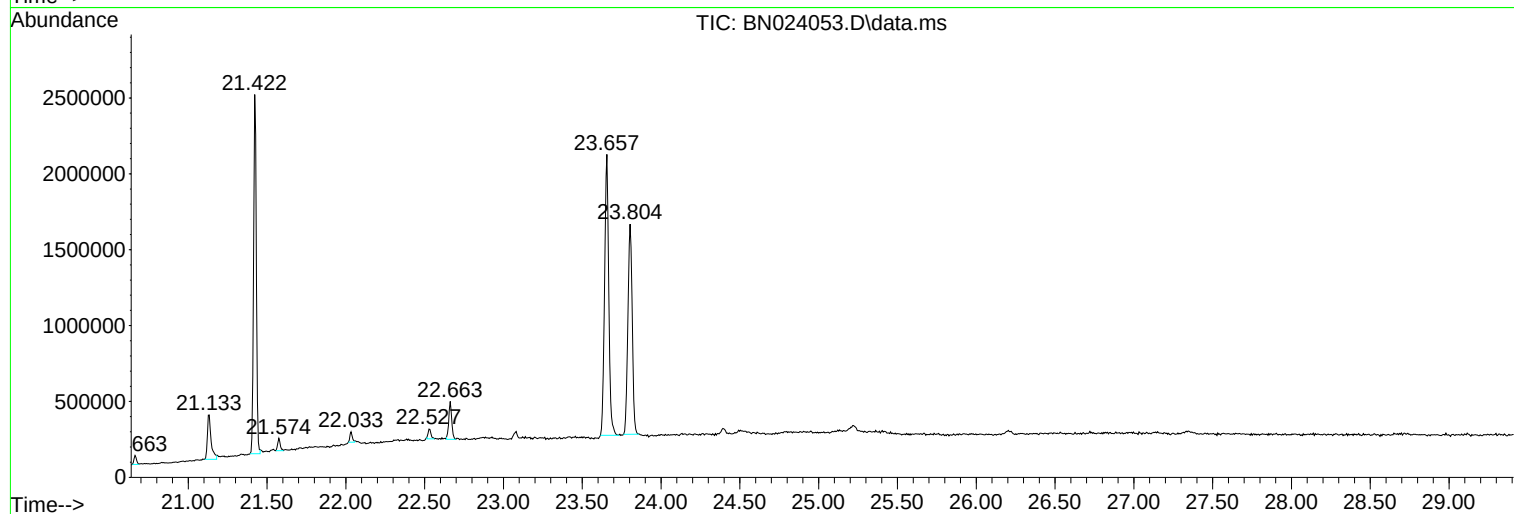
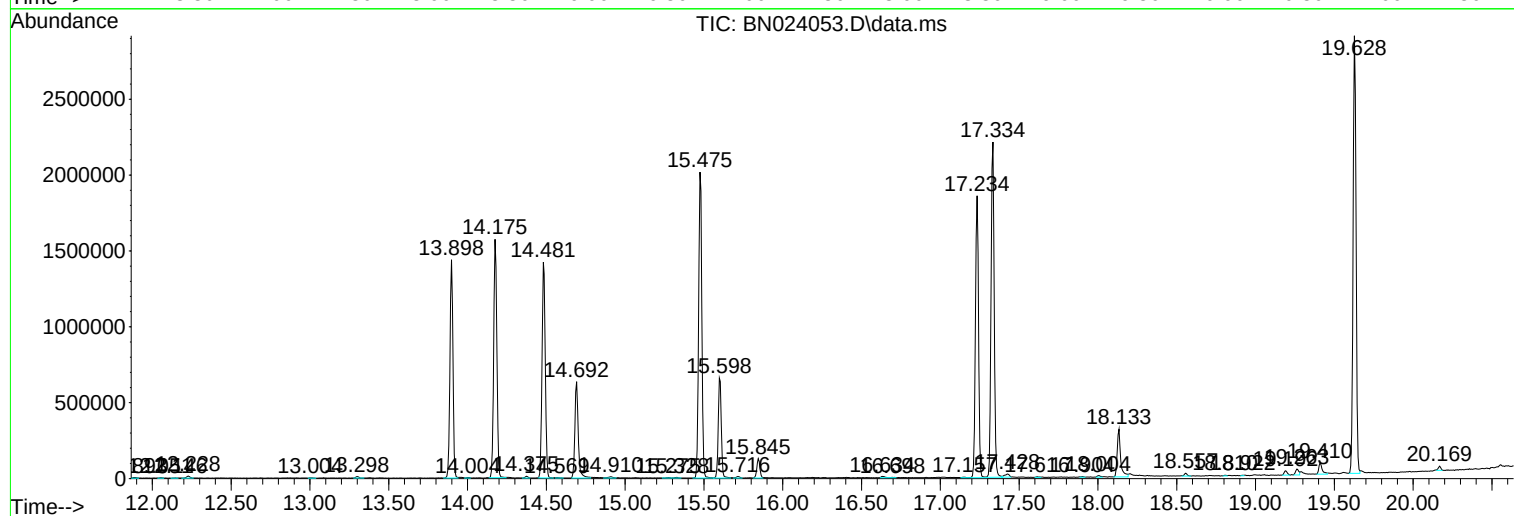
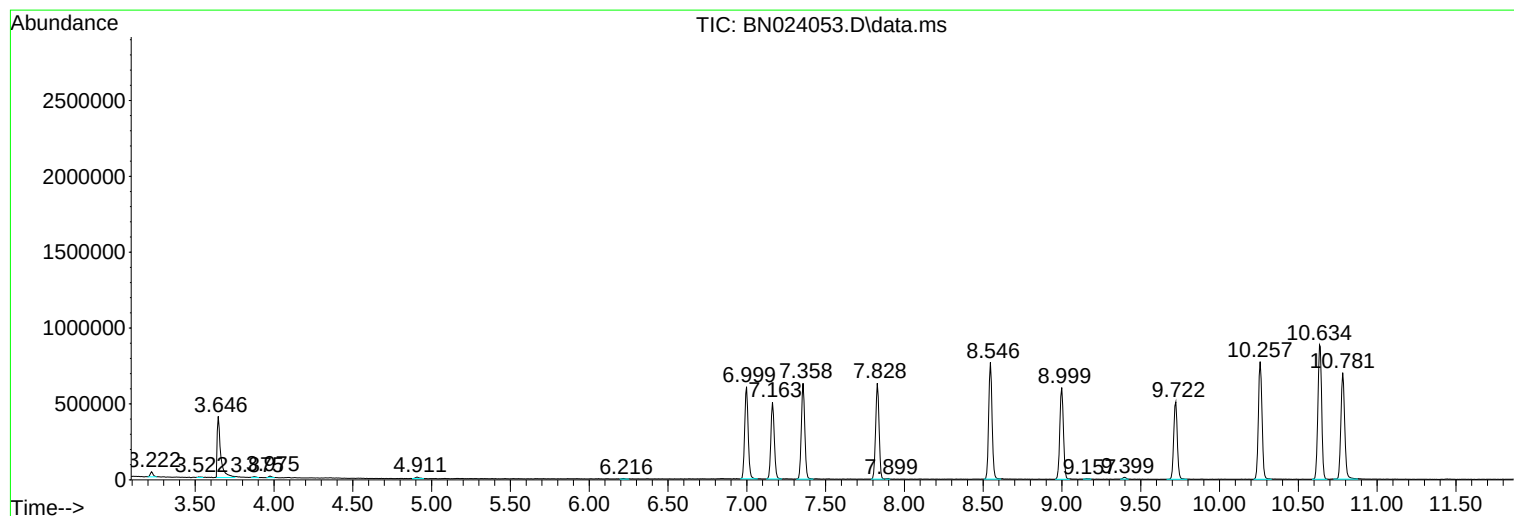
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020623.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-BN020623.M  
Quant Title : SVOA CALIBRATION

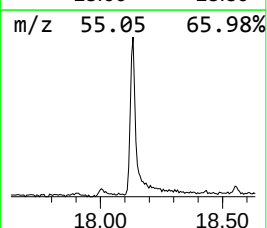
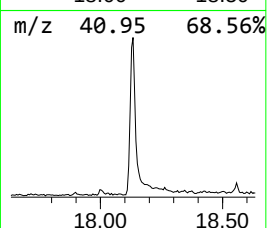
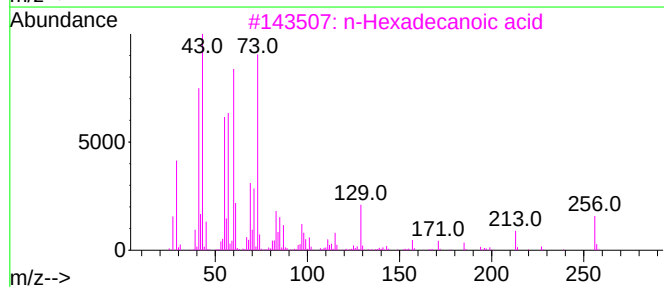
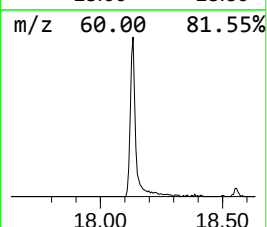
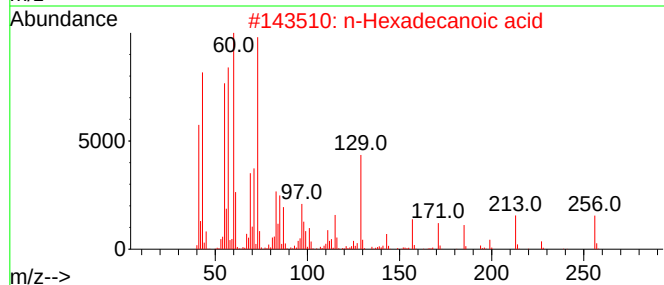
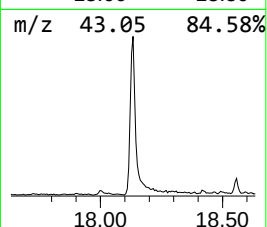
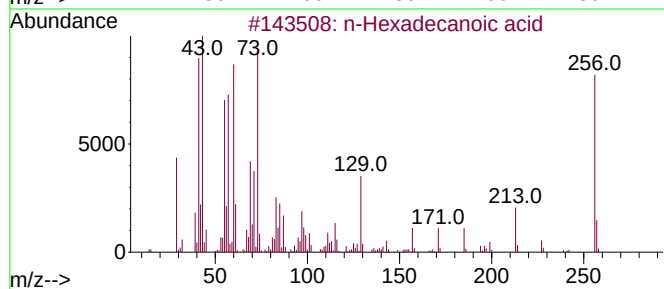
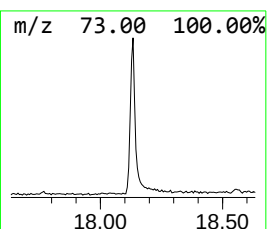
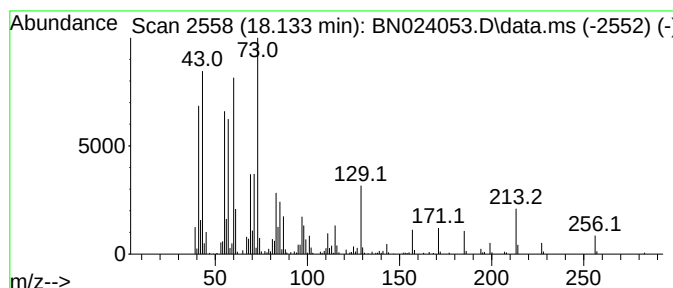
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.134 | 3.71 ng/ul | 475623 | Phenanthrene-d10 | 17.233 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 93   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020623.M  
Quant Title : SVOA CALIBRATION

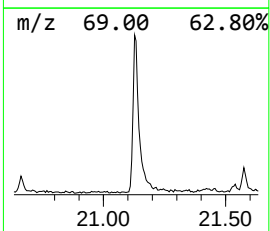
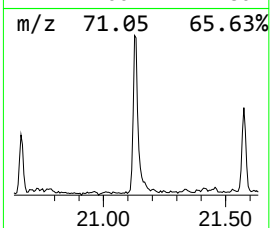
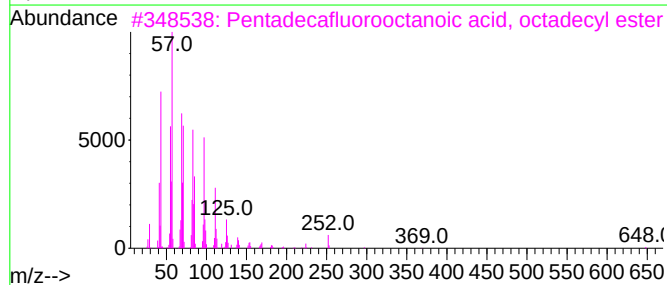
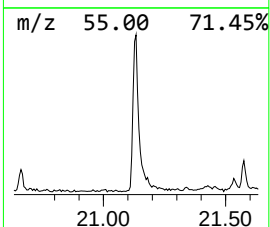
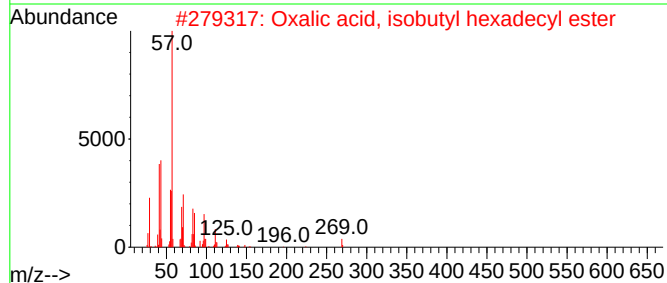
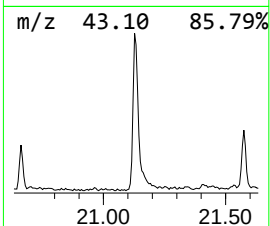
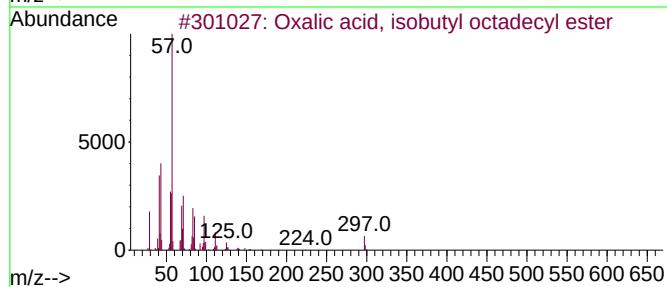
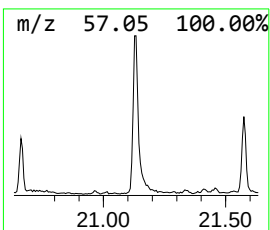
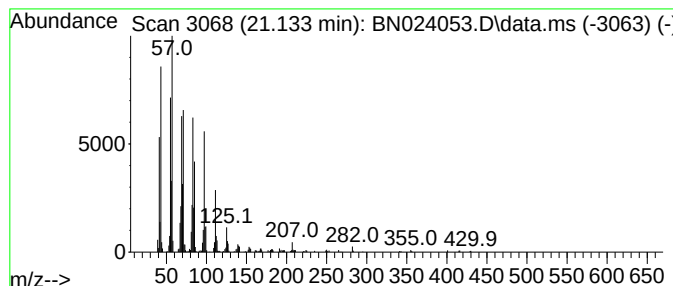
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Oxalic acid, isobutyl octadecyl... Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 21.133 | 3.41 ng/ul | 492265 | Chrysene-d12     | 21.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Oxalic acid, isobutyl octadecyl ... | 398 | C24H46O4    | 1000309-38-3 | 91   |
| 2    |    |   | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4    | 1000309-38-1 | 91   |
| 3    |    |   | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 90   |
| 4    |    |   | Nonadecyl trifluoroacetate          | 380 | C21H39F3O2  | 1000351-76-3 | 90   |
| 5    |    |   | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2  | 959085-66-6  | 81   |



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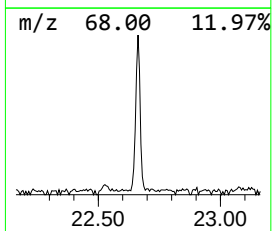
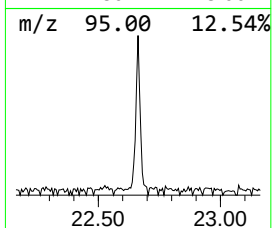
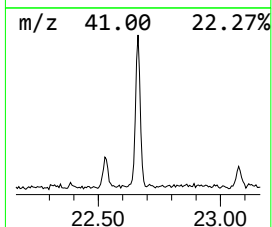
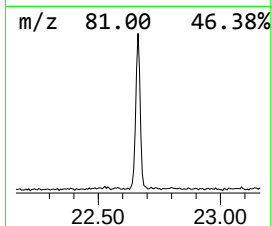
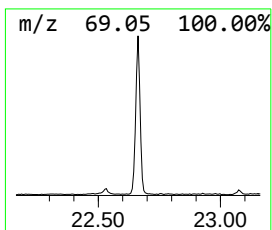
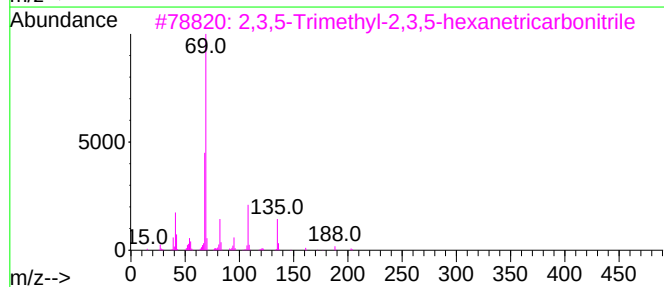
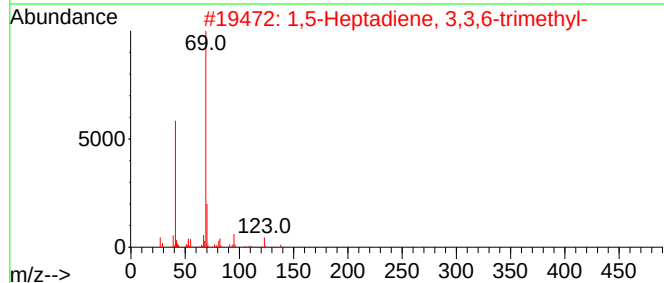
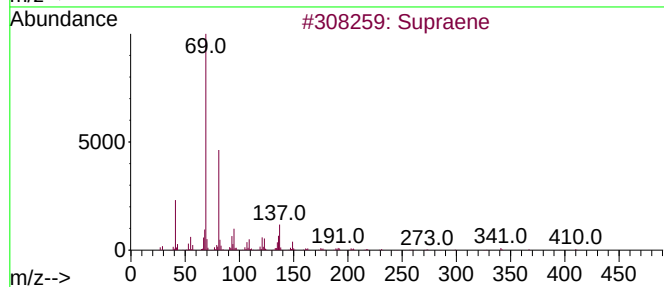
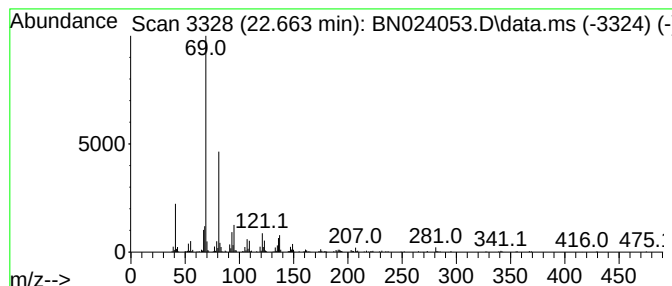
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020623.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Supraene Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 22.663 | 2.39 ng/ul | 316603 | Perylene-d12     | 23.804 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Supraene                            | 410 | C30H50   | 007683-64-9 | 87   |
| 2    |    |   | 1,5-Heptadiene, 3,3,6-trimethyl-    | 138 | C10H18   | 035387-63-4 | 64   |
| 3    |    |   | 2,3,5-Trimethyl-2,3,5-hexanetric... | 203 | C12H17N3 | 003974-79-6 | 59   |
| 4    |    |   | 1,6-Octadiene, 3,5-dimethyl-, tr... | 138 | C10H18   | 074630-87-8 | 59   |
| 5    |    |   | 4-Methyl-1,5-Heptadiene             | 110 | C8H14    | 000998-94-7 | 53   |



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ClientSampleId :  
C0B39

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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 ... | 18.134 | 3.7     | ng/ul | 475623   | 4                     | 17.233 | 2561380 | 20.0 |
| Oxalic acid, is... | 21.133 | 3.4     | ng/ul | 492265   | 5                     | 21.422 | 2887580 | 20.0 |
| Supraene           | 22.663 | 2.4     | ng/ul | 316603   | 6                     | 23.804 | 2651730 | 20.0 |