

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070319\  
 Data File : BM021369.D  
 Acq On : 03 Jul 2019 17:01  
 Operator : HP/JU  
 Sample : K3596-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLJF3

## 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-BM061419MA.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         | 6.916       | 662           | 668         | 681          | rVB      | 668154         | 1163008       | 24.96%          | 2.144%        |
| 2         | 7.087       | 692           | 697         | 708          | rVB      | 512255         | 824393        | 17.69%          | 1.520%        |
| 3         | 7.281       | 723           | 730         | 741          | rVB      | 745335         | 1195138       | 25.64%          | 2.203%        |
| 4         | 7.746       | 803           | 809         | 816          | rBV      | 653359         | 1028989       | 22.08%          | 1.897%        |
| 5         | 7.804       | 816           | 819         | 825          | rVB      | 16688          | 23354         | 0.50%           | 0.043%        |
| 6         | 8.451       | 922           | 929         | 942          | rVB      | 946646         | 1537217       | 32.99%          | 2.834%        |
| 7         | 8.910       | 1000          | 1007        | 1018         | rVB      | 736729         | 1231170       | 26.42%          | 2.270%        |
| 8         | 9.263       | 1065          | 1067        | 1072         | rVB4     | 4804           | 6876          | 0.15%           | 0.013%        |
| 9         | 9.622       | 1122          | 1128        | 1139         | rBV      | 643149         | 1079742       | 23.17%          | 1.991%        |
| 10        | 10.157      | 1212          | 1219        | 1238         | rBV      | 1042217        | 1797712       | 38.57%          | 3.314%        |
| 11        | 10.534      | 1275          | 1283        | 1291         | rVB      | 1006019        | 1706177       | 36.61%          | 3.145%        |
| 12        | 10.681      | 1299          | 1308        | 1330         | rBV      | 904553         | 1694623       | 36.36%          | 3.124%        |
| 13        | 12.128      | 1546          | 1554        | 1563         | rBV3     | 14981          | 28922         | 0.62%           | 0.053%        |
| 14        | 12.381      | 1593          | 1597        | 1602         | rBV      | 3790           | 5178          | 0.11%           | 0.010%        |
| 15        | 12.728      | 1653          | 1656        | 1662         | rBV5     | 3389           | 6036          | 0.13%           | 0.011%        |
| 16        | 12.986      | 1693          | 1700        | 1702         | rBV5     | 3243           | 4972          | 0.11%           | 0.009%        |
| 17        | 13.604      | 1801          | 1805        | 1811         | rBV5     | 6378           | 10354         | 0.22%           | 0.019%        |
| 18        | 13.686      | 1816          | 1819        | 1824         | rVB5     | 13153          | 17868         | 0.38%           | 0.033%        |
| 19        | 13.804      | 1832          | 1839        | 1843         | rBV      | 1981734        | 2710197       | 58.15%          | 4.996%        |
| 20        | 13.845      | 1843          | 1846        | 1856         | rVB      | 583329         | 827013        | 17.75%          | 1.525%        |
| 21        | 13.986      | 1865          | 1870        | 1873         | rBV5     | 7670           | 8780          | 0.19%           | 0.016%        |
| 22        | 14.080      | 1877          | 1886        | 1897         | rBV      | 2353806        | 3423055       | 73.45%          | 6.310%        |
| 23        | 14.169      | 1899          | 1901        | 1904         | rVB3     | 4927           | 4942          | 0.11%           | 0.009%        |
| 24        | 14.275      | 1912          | 1919        | 1921         | rBV5     | 3912           | 6618          | 0.14%           | 0.012%        |
| 25        | 14.316      | 1921          | 1926        | 1930         | rVV3     | 10043          | 17707         | 0.38%           | 0.033%        |
| 26        | 14.386      | 1932          | 1938        | 1950         | rVB2     | 1671292        | 2596194       | 55.71%          | 4.786%        |
| 27        | 14.610      | 1970          | 1976        | 1995         | rBV      | 461548         | 901609        | 19.35%          | 1.662%        |
| 28        | 14.804      | 2005          | 2009        | 2010         | rBV3     | 5410           | 5882          | 0.13%           | 0.011%        |
| 29        | 14.827      | 2010          | 2013        | 2017         | rVB3     | 10651          | 16392         | 0.35%           | 0.030%        |
| 30        | 14.898      | 2021          | 2025        | 2030         | rVB4     | 4505           | 8163          | 0.18%           | 0.015%        |
| 31        | 14.951      | 2030          | 2034        | 2039         | rBV5     | 8201           | 10845         | 0.23%           | 0.020%        |
| 32        | 15.174      | 2066          | 2072        | 2077         | rBV7     | 6905           | 11380         | 0.24%           | 0.021%        |
| 33        | 15.227      | 2077          | 2081        | 2087         | rVB3     | 8402           | 13050         | 0.28%           | 0.024%        |
| 34        | 15.386      | 2101          | 2108        | 2118         | rBV      | 3015161        | 4265684       | 91.53%          | 7.864%        |

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 BNA\_M  
 ClientSampleId :  
 JLJF3

## 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-BM061419MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 15.516 | 2125 | 2130 | 2141 | rBV  | 610911  | 834464  | 17.91%  | 1.538% |
| 36 | 15.627 | 2144 | 2149 | 2154 | rVB  | 36242   | 51245   | 1.10%   | 0.094% |
| 37 | 15.945 | 2199 | 2203 | 2205 | rBV4 | 3235    | 4889    | 0.10%   | 0.009% |
| 38 | 16.021 | 2210 | 2216 | 2217 | rBV4 | 4033    | 6699    | 0.14%   | 0.012% |
| 39 | 16.104 | 2222 | 2230 | 2236 | rBV2 | 79623   | 133850  | 2.87%   | 0.247% |
| 40 | 16.168 | 2238 | 2241 | 2245 | rVB5 | 12587   | 16414   | 0.35%   | 0.030% |
| 41 | 16.274 | 2254 | 2259 | 2262 | rBV5 | 3748    | 6586    | 0.14%   | 0.012% |
| 42 | 16.539 | 2299 | 2304 | 2308 | rVB7 | 4307    | 8714    | 0.19%   | 0.016% |
| 43 | 16.821 | 2347 | 2352 | 2354 | rVB3 | 4327    | 5396    | 0.12%   | 0.010% |
| 44 | 16.886 | 2360 | 2363 | 2366 | rBV2 | 8945    | 10360   | 0.22%   | 0.019% |
| 45 | 16.933 | 2366 | 2371 | 2376 | rVB4 | 11037   | 18759   | 0.40%   | 0.035% |
| 46 | 17.139 | 2400 | 2406 | 2416 | rBV2 | 2265615 | 3129842 | 67.16%  | 5.770% |
| 47 | 17.239 | 2416 | 2423 | 2433 | rVV  | 3110920 | 4358924 | 93.53%  | 8.036% |
| 48 | 17.427 | 2452 | 2455 | 2459 | rVB5 | 3955    | 6173    | 0.13%   | 0.011% |
| 49 | 17.627 | 2484 | 2489 | 2492 | rBV3 | 12723   | 18116   | 0.39%   | 0.033% |
| 50 | 18.027 | 2552 | 2557 | 2567 | rBV  | 240950  | 366110  | 7.86%   | 0.675% |
| 51 | 18.121 | 2568 | 2573 | 2580 | rVB3 | 45860   | 80077   | 1.72%   | 0.148% |
| 52 | 18.321 | 2603 | 2607 | 2612 | rBV7 | 19790   | 27777   | 0.60%   | 0.051% |
| 53 | 18.415 | 2619 | 2623 | 2628 | rVB2 | 69392   | 92190   | 1.98%   | 0.170% |
| 54 | 18.562 | 2645 | 2648 | 2651 | rBV4 | 8755    | 10250   | 0.22%   | 0.019% |
| 55 | 18.604 | 2651 | 2655 | 2661 | rVV6 | 24387   | 33349   | 0.72%   | 0.061% |
| 56 | 18.692 | 2666 | 2670 | 2675 | rVV2 | 113751  | 148428  | 3.18%   | 0.274% |
| 57 | 18.868 | 2697 | 2700 | 2704 | rBV2 | 41573   | 53684   | 1.15%   | 0.099% |
| 58 | 18.951 | 2711 | 2714 | 2719 | rBV4 | 19160   | 25616   | 0.55%   | 0.047% |
| 59 | 19.021 | 2720 | 2726 | 2731 | rVB2 | 243124  | 325855  | 6.99%   | 0.601% |
| 60 | 19.168 | 2747 | 2751 | 2758 | rBV  | 36913   | 66244   | 1.42%   | 0.122% |
| 61 | 19.309 | 2771 | 2775 | 2778 | rBV3 | 77002   | 96040   | 2.06%   | 0.177% |
| 62 | 19.439 | 2791 | 2797 | 2801 | rBV2 | 55740   | 97460   | 2.09%   | 0.180% |
| 63 | 19.539 | 2807 | 2814 | 2823 | rBV  | 3337961 | 4660347 | 100.00% | 8.591% |
| 64 | 19.974 | 2885 | 2888 | 2894 | rVB  | 57506   | 73288   | 1.57%   | 0.135% |
| 65 | 20.068 | 2901 | 2904 | 2908 | rVB  | 56668   | 62532   | 1.34%   | 0.115% |
| 66 | 20.568 | 2986 | 2989 | 2992 | rBV4 | 52399   | 51859   | 1.11%   | 0.096% |
| 67 | 21.039 | 3064 | 3069 | 3078 | rBV  | 318699  | 560385  | 12.02%  | 1.033% |
| 68 | 21.327 | 3113 | 3118 | 3124 | rBV  | 2213562 | 2827095 | 60.66%  | 5.212% |
| 69 | 22.374 | 3293 | 3296 | 3303 | rVB  | 175262  | 225396  | 4.84%   | 0.416% |
| 70 | 22.886 | 3380 | 3383 | 3389 | rVB  | 225628  | 315179  | 6.76%   | 0.581% |
| 71 | 23.456 | 3473 | 3480 | 3490 | rVB  | 2455899 | 4417926 | 94.80%  | 8.144% |

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLJF3

Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 0.1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 23.597 | 3498 | 3504 | 3518 | rVB2 | 1408858 | 2827923 | 60.68% | 5.213% |
|----|--------|------|------|------|------|---------|---------|--------|--------|

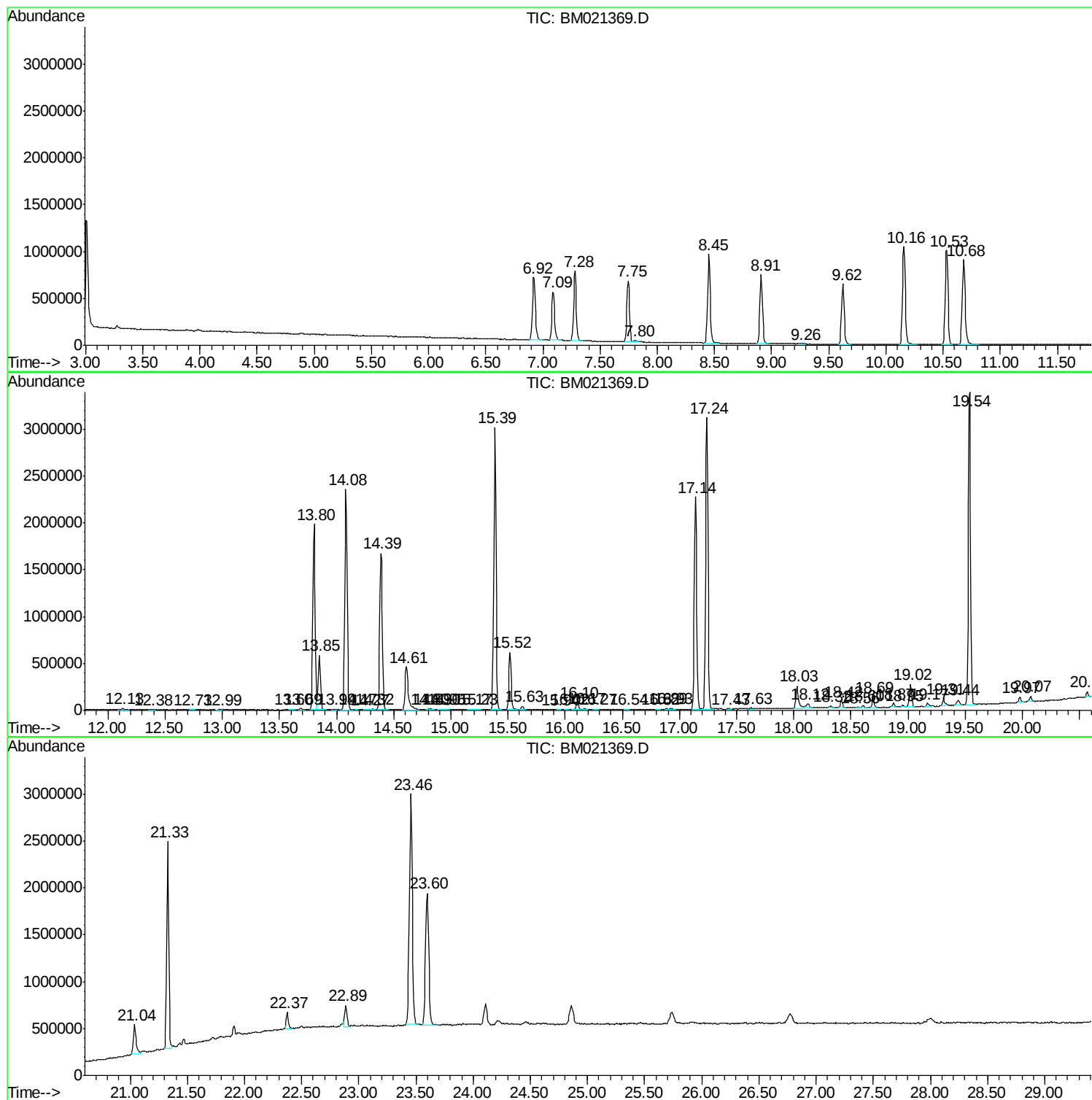
Sum of corrected areas: 54244681

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Data File : BM021369.D  
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Sample : K3596-02  
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Instrument :  
BNA\_M  
ClientSampled :  
JLJF3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Sample : K3596-02  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLJF3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

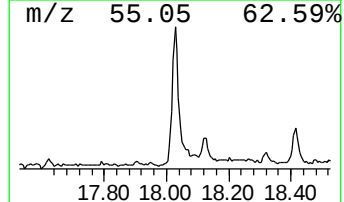
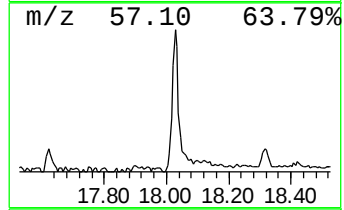
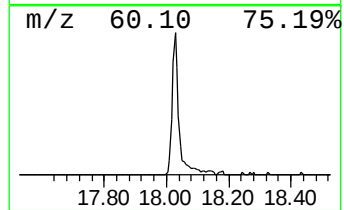
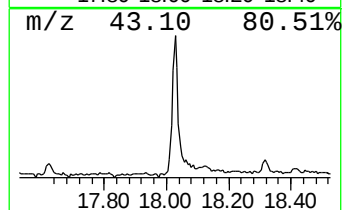
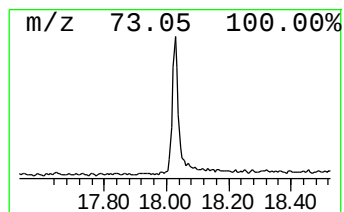
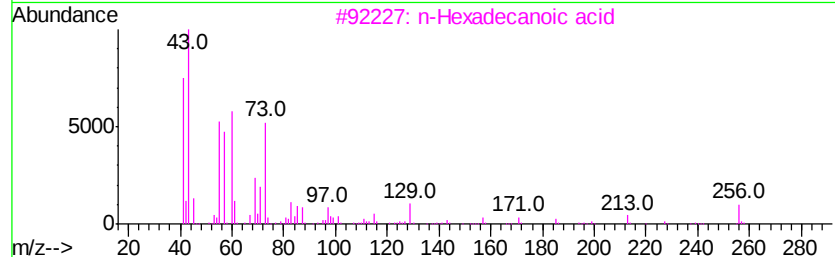
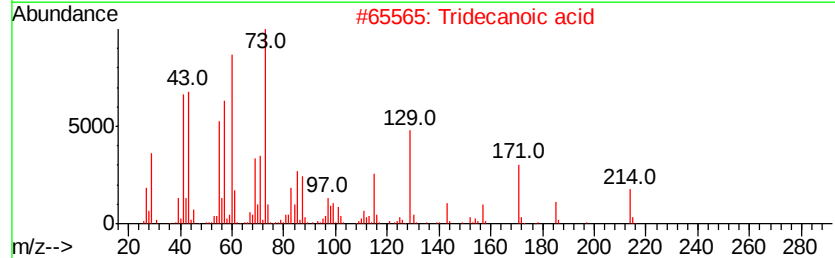
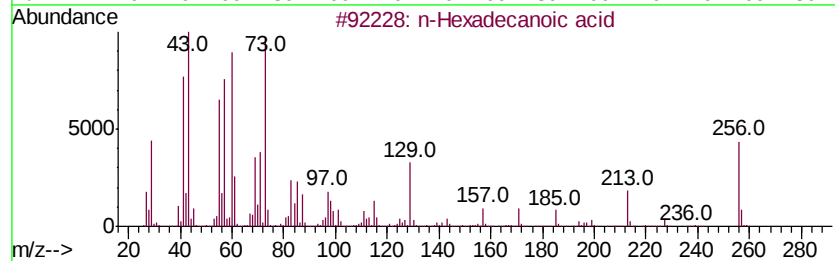
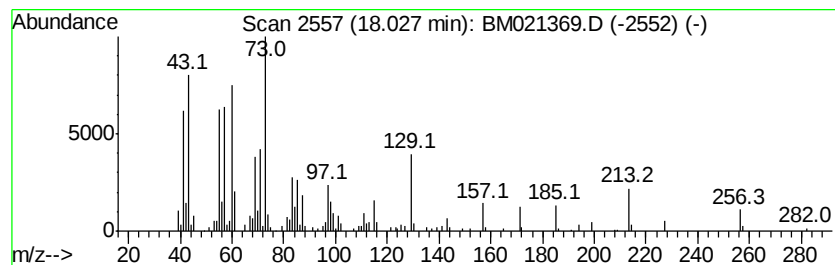
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.03 | 2.34 ng/ul | 366110 | Phenanthrene-d10 | 17.14 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 3    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93   |
| 4    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 86   |
| 5    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 72   |



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Sample : K3596-02  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

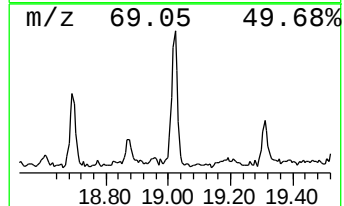
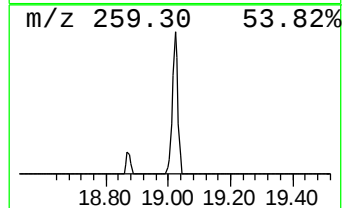
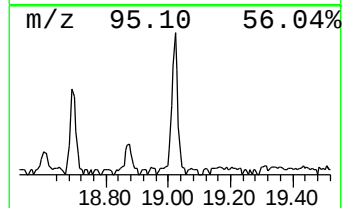
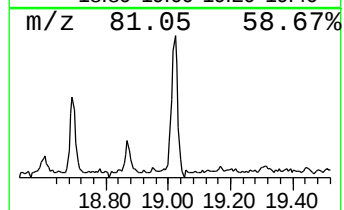
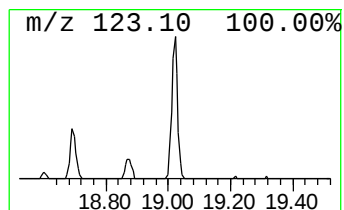
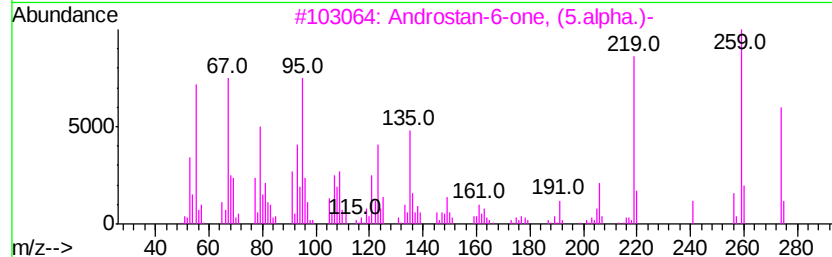
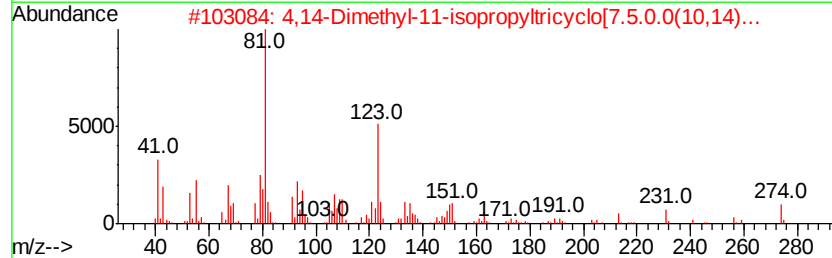
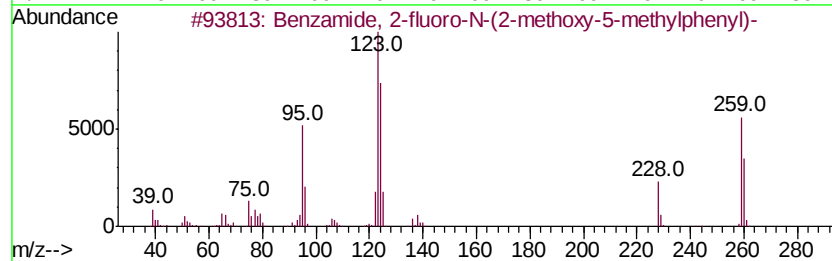
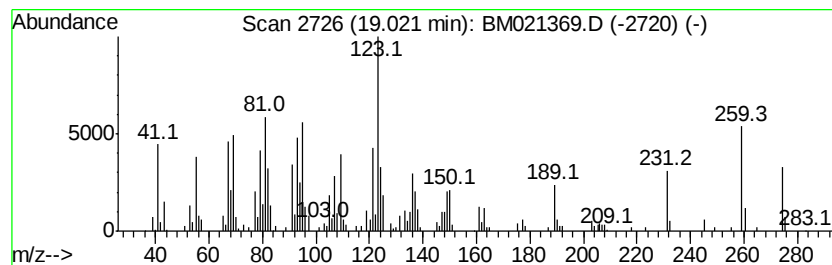
Instrument :  
BNA\_M  
ClientSampled :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown-01 Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD                     |     | R.T.       |              |      |
|-------|------------|--------|--------------------------------------|-----|------------|--------------|------|
| 19.02 | 2.08 ng/ul | 325855 | Phenanthrene-d10                     |     | 17.14      |              |      |
| Hit#  | of         | 5      | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
| 1     |            |        | Benzamide, 2-fluoro-N-(2-methoxyv... | 259 | C15H14FN02 | 331270-36-1  | 43   |
| 2     |            |        | 4,14-Dimethyl-11-isopropyltricyc...  | 274 | C19H300    | 1000140-68-0 | 43   |
| 3     |            |        | Androstan-6-one, (5.alpha.)-         | 274 | C19H300    | 003676-06-0  | 35   |
| 4     |            |        | 2-(3,3-Dimethyl-oxiran-2-yl)-5-e...  | 209 | C11H15N03  | 1000194-95-4 | 27   |
| 5     |            |        | 5-Methyl-2-ethenyl-cyclohexane-1...  | 168 | C10H1602   | 1000144-53-6 | 27   |



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JLJF3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

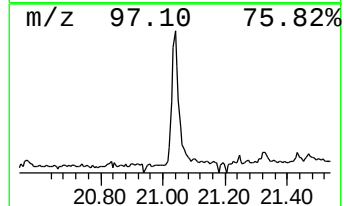
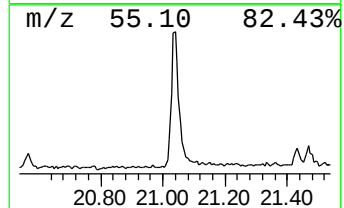
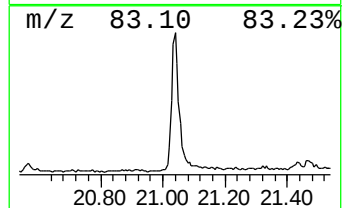
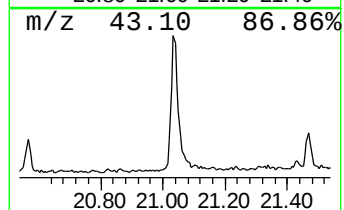
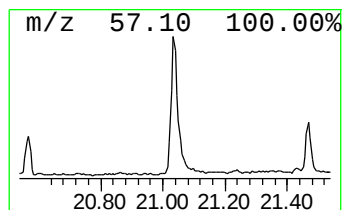
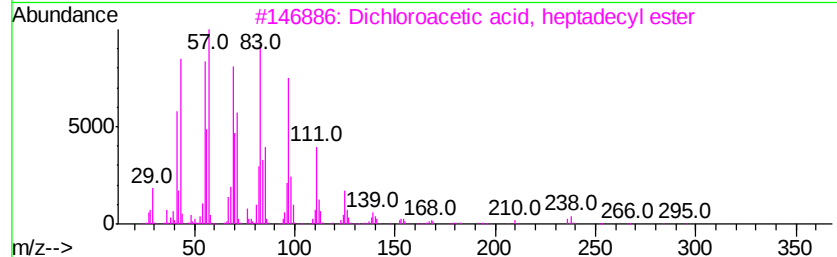
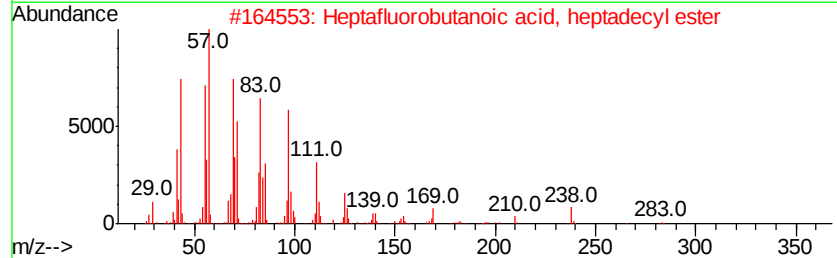
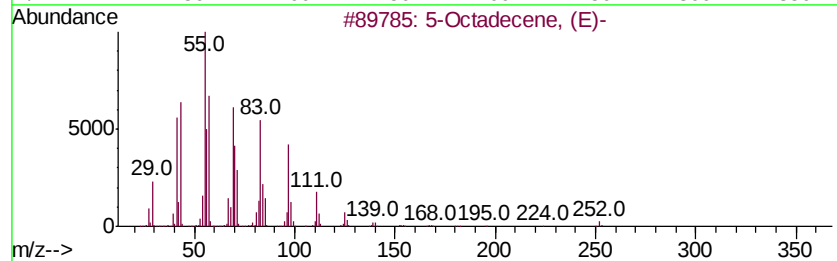
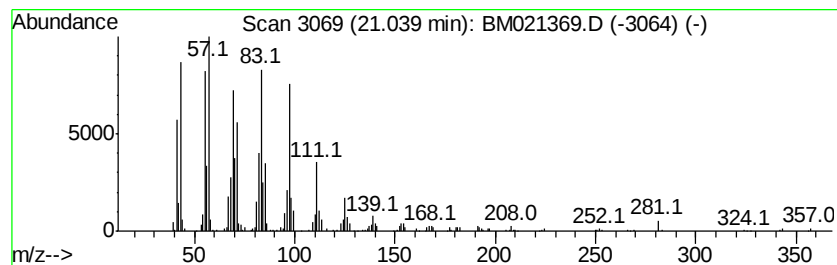
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Cyclic21.04 Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.04 | 3.96 ng/ul | 560385 | Chrysene-d12     | 21.33 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | 5-Octadecene, (E)-                  | 252 | C18H36      | 007206-21-5  | 95   |
| 2    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 93   |
| 3    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 93   |
| 4    |    | 1-Hexacosanol                       | 382 | C26H54O     | 000506-52-5  | 91   |
| 5    |    | Cyclotetracosane                    | 336 | C24H48      | 000297-03-0  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070319\  
Data File : BM021369.D  
Acq On : 03 Jul 2019 17:01  
Operator : HP/JU  
Sample : K3596-02  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLJF3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

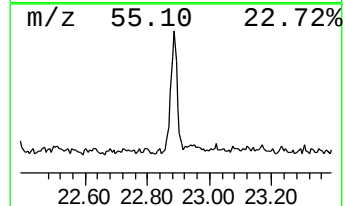
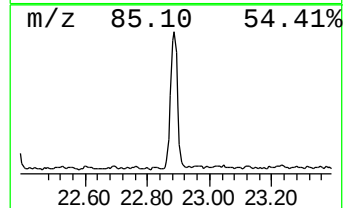
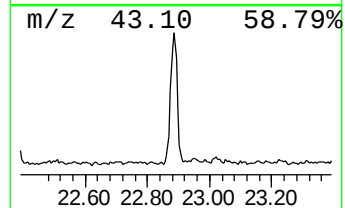
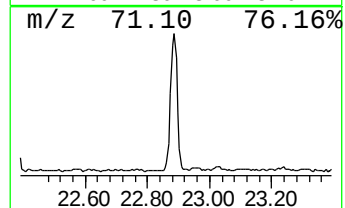
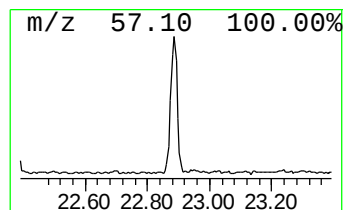
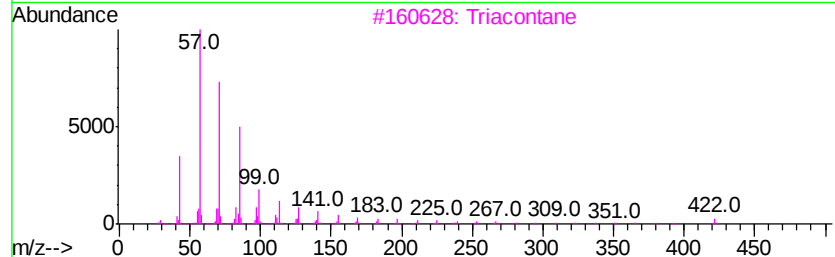
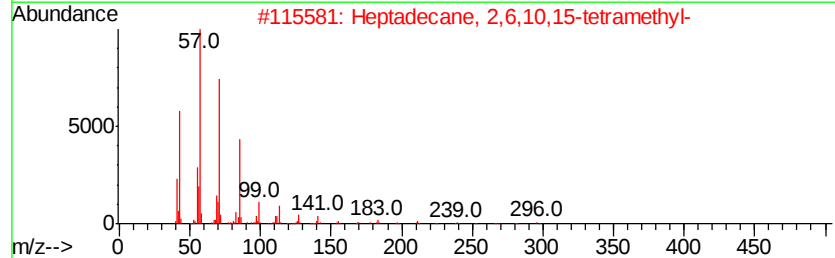
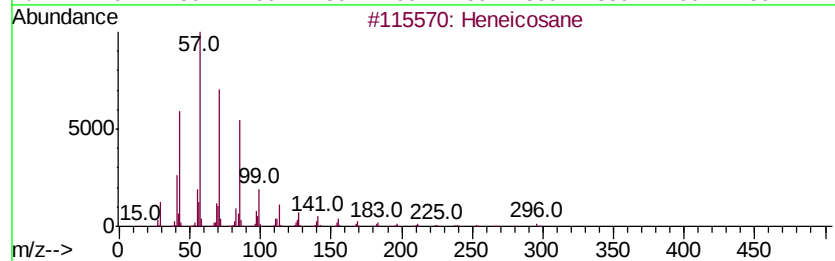
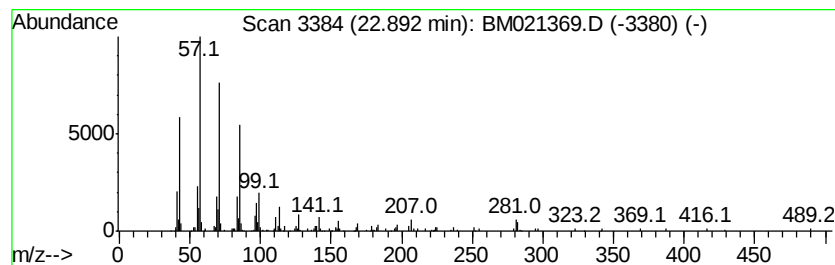
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.89 | 2.23 ng/ul | 315179 | Perylene-d12     | 23.60 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 97   |
| 2    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 91   |
| 3    |    | Triacontane                         | 422 | C30H62  | 000638-68-6 | 90   |
| 4    |    | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 87   |
| 5    |    | Heptacosane                         | 380 | C27H56  | 000593-49-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM070319\  
Data File : BM021369.D  
Acq On : 03 Jul 2019 17:01  
Operator : HP/JU  
Sample : K3596-02  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLJF3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 18.03 | 2.3     | ng/ul | 366110   | 4                     | 17.14 | 3129840 | 20.0 |
| unknown-01           | 19.02 | 2.1     | ng/ul | 325855   | 4                     | 17.14 | 3129840 | 20.0 |
| (DEL) Alkane: Cyc... | 21.04 | 4.0     | ng/ul | 560385   | 5                     | 21.33 | 2827100 | 20.0 |
| (DEL) Alkane: Str... | 22.89 | 2.2     | ng/ul | 315179   | 6                     | 23.60 | 2827920 | 20.0 |