

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070219\  
 Data File : BM021355.D  
 Acq On : 02 Jul 2019 22:26  
 Operator : HP/JU  
 Sample : K3578-14  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLJF7

## 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 # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 6.922    | 663        | 669      | 681       | rVB   | 795652      | 1319968    | 29.47%       | 2.204%     |
| 2      | 7.093    | 692        | 698      | 713       | rVB   | 595900      | 955812     | 21.34%       | 1.596%     |
| 3      | 7.281    | 724        | 730      | 738       | rVB   | 837512      | 1342220    | 29.96%       | 2.241%     |
| 4      | 7.745    | 803        | 809      | 816       | rBV   | 779692      | 1248974    | 27.88%       | 2.085%     |
| 5      | 8.457    | 923        | 930      | 943       | rBV   | 1025116     | 1741230    | 38.87%       | 2.907%     |
| 6      | 8.910    | 1000       | 1007     | 1015      | rBV   | 819171      | 1372413    | 30.64%       | 2.291%     |
| 7      | 9.063    | 1028       | 1033     | 1039      | rBV2  | 38457       | 60345      | 1.35%        | 0.101%     |
| 8      | 9.269    | 1065       | 1068     | 1072      | rBV4  | 4980        | 8406       | 0.19%        | 0.014%     |
| 9      | 9.628    | 1120       | 1129     | 1137      | rBV   | 730689      | 1209589    | 27.00%       | 2.020%     |
| 10     | 10.157   | 1211       | 1219     | 1234      | rBV   | 1180482     | 2021132    | 45.12%       | 3.375%     |
| 11     | 10.275   | 1237       | 1239     | 1246      | rVB5  | 5450        | 8139       | 0.18%        | 0.014%     |
| 12     | 10.533   | 1276       | 1283     | 1291      | rBV   | 1218619     | 2007739    | 44.82%       | 3.352%     |
| 13     | 10.592   | 1291       | 1293     | 1296      | rVB3  | 7357        | 5427       | 0.12%        | 0.009%     |
| 14     | 10.681   | 1301       | 1308     | 1324      | rVB   | 1027795     | 1851858    | 41.34%       | 3.092%     |
| 15     | 10.828   | 1329       | 1333     | 1340      | rVB4  | 6434        | 12825      | 0.29%        | 0.021%     |
| 16     | 11.328   | 1416       | 1418     | 1423      | rVB4  | 4438        | 4964       | 0.11%        | 0.008%     |
| 17     | 12.039   | 1536       | 1539     | 1547      | rVB7  | 3881        | 5943       | 0.13%        | 0.010%     |
| 18     | 12.128   | 1549       | 1554     | 1560      | rVB4  | 18018       | 28994      | 0.65%        | 0.048%     |
| 19     | 12.380   | 1592       | 1597     | 1603      | rVB2  | 7155        | 10925      | 0.24%        | 0.018%     |
| 20     | 12.498   | 1612       | 1617     | 1620      | rBV3  | 3545        | 4643       | 0.10%        | 0.008%     |
| 21     | 12.663   | 1641       | 1645     | 1648      | rBV3  | 3568        | 5241       | 0.12%        | 0.009%     |
| 22     | 12.698   | 1648       | 1651     | 1653      | rVV3  | 9621        | 11892      | 0.27%        | 0.020%     |
| 23     | 12.733   | 1653       | 1657     | 1660      | rVV3  | 7672        | 11060      | 0.25%        | 0.018%     |
| 24     | 12.986   | 1696       | 1700     | 1706      | rVB3  | 7486        | 12672      | 0.28%        | 0.021%     |
| 25     | 13.686   | 1816       | 1819     | 1825      | rBV3  | 4646        | 6739       | 0.15%        | 0.011%     |
| 26     | 13.804   | 1833       | 1839     | 1843      | rBV   | 2182787     | 2964926    | 66.19%       | 4.950%     |
| 27     | 13.851   | 1843       | 1847     | 1860      | rVB   | 868451      | 1161704    | 25.93%       | 1.940%     |
| 28     | 14.086   | 1879       | 1887     | 1896      | rBV   | 2501016     | 3698336    | 82.56%       | 6.175%     |
| 29     | 14.169   | 1899       | 1901     | 1907      | rVB4  | 4492        | 6301       | 0.14%        | 0.011%     |
| 30     | 14.274   | 1914       | 1919     | 1924      | rBV6  | 4269        | 7938       | 0.18%        | 0.013%     |
| 31     | 14.392   | 1930       | 1939     | 1949      | rVV2  | 1934831     | 2964657    | 66.18%       | 4.950%     |
| 32     | 14.610   | 1970       | 1976     | 1992      | rBV2  | 441684      | 869143     | 19.40%       | 1.451%     |
| 33     | 14.716   | 1992       | 1994     | 1999      | rVB4  | 5641        | 7534       | 0.17%        | 0.013%     |
| 34     | 14.827   | 2010       | 2013     | 2018      | rVB4  | 13438       | 18710      | 0.42%        | 0.031%     |

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 Sampling : 1  
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 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 | 15.186 | 2068 | 2074 | 2078 | rBV  | 8439    | 14670   | 0.33%   | 0.024% |
| 36 | 15.233 | 2078 | 2082 | 2086 | rVB5 | 9510    | 14042   | 0.31%   | 0.023% |
| 37 | 15.386 | 2101 | 2108 | 2115 | rBV  | 3155776 | 4479395 | 100.00% | 7.479% |
| 38 | 15.521 | 2124 | 2131 | 2140 | rBV  | 520004  | 773998  | 17.28%  | 1.292% |
| 39 | 15.627 | 2144 | 2149 | 2154 | rVB2 | 39895   | 58394   | 1.30%   | 0.097% |
| 40 | 15.904 | 2191 | 2196 | 2199 | rBV2 | 3265    | 5570    | 0.12%   | 0.009% |
| 41 | 15.945 | 2199 | 2203 | 2204 | rBV3 | 3692    | 4594    | 0.10%   | 0.008% |
| 42 | 16.104 | 2224 | 2230 | 2235 | rBV5 | 12801   | 30815   | 0.69%   | 0.051% |
| 43 | 16.174 | 2237 | 2242 | 2245 | rVB3 | 13751   | 21374   | 0.48%   | 0.036% |
| 44 | 16.339 | 2267 | 2270 | 2273 | rBV5 | 4626    | 5828    | 0.13%   | 0.010% |
| 45 | 16.445 | 2283 | 2288 | 2290 | rBV4 | 3114    | 4626    | 0.10%   | 0.008% |
| 46 | 16.815 | 2348 | 2351 | 2355 | rBV4 | 5742    | 7732    | 0.17%   | 0.013% |
| 47 | 16.886 | 2360 | 2363 | 2367 | rVV3 | 8250    | 13533   | 0.30%   | 0.023% |
| 48 | 16.927 | 2367 | 2370 | 2377 | rVB4 | 11690   | 20714   | 0.46%   | 0.035% |
| 49 | 17.139 | 2400 | 2406 | 2415 | rBV2 | 2263082 | 3276504 | 73.15%  | 5.471% |
| 50 | 17.239 | 2416 | 2423 | 2432 | rBV  | 3091764 | 4333762 | 96.75%  | 7.236% |
| 51 | 17.345 | 2438 | 2441 | 2442 | rBV3 | 4424    | 4632    | 0.10%   | 0.008% |
| 52 | 17.492 | 2463 | 2466 | 2470 | rBV6 | 5078    | 7675    | 0.17%   | 0.013% |
| 53 | 17.621 | 2486 | 2488 | 2492 | rVB3 | 6204    | 8563    | 0.19%   | 0.014% |
| 54 | 17.804 | 2515 | 2519 | 2522 | rBV3 | 29319   | 30865   | 0.69%   | 0.052% |
| 55 | 18.027 | 2552 | 2557 | 2568 | rBV  | 212828  | 353915  | 7.90%   | 0.591% |
| 56 | 18.104 | 2568 | 2570 | 2572 | rBV3 | 6085    | 6174    | 0.14%   | 0.010% |
| 57 | 18.321 | 2604 | 2607 | 2613 | rVB8 | 12084   | 14401   | 0.32%   | 0.024% |
| 58 | 18.421 | 2619 | 2624 | 2632 | rVB3 | 36219   | 55453   | 1.24%   | 0.093% |
| 59 | 18.609 | 2652 | 2656 | 2659 | rVB6 | 13063   | 17065   | 0.38%   | 0.028% |
| 60 | 18.692 | 2666 | 2670 | 2676 | rVB4 | 48509   | 66319   | 1.48%   | 0.111% |
| 61 | 18.880 | 2698 | 2702 | 2704 | rBV5 | 14799   | 20181   | 0.45%   | 0.034% |
| 62 | 18.956 | 2711 | 2715 | 2718 | rBV5 | 15654   | 18853   | 0.42%   | 0.031% |
| 63 | 19.021 | 2722 | 2726 | 2733 | rVB3 | 67165   | 89868   | 2.01%   | 0.150% |
| 64 | 19.174 | 2748 | 2752 | 2757 | rBV2 | 36742   | 56357   | 1.26%   | 0.094% |
| 65 | 19.309 | 2772 | 2775 | 2779 | rBV2 | 47964   | 62917   | 1.40%   | 0.105% |
| 66 | 19.439 | 2791 | 2797 | 2800 | rBV2 | 74396   | 120464  | 2.69%   | 0.201% |
| 67 | 19.474 | 2800 | 2803 | 2807 | rVV  | 142156  | 163724  | 3.66%   | 0.273% |
| 68 | 19.539 | 2808 | 2814 | 2822 | rVB  | 3269477 | 4450178 | 99.35%  | 7.430% |
| 69 | 19.980 | 2886 | 2889 | 2894 | rVB2 | 28518   | 34228   | 0.76%   | 0.057% |
| 70 | 20.068 | 2901 | 2904 | 2908 | rVB2 | 38875   | 43130   | 0.96%   | 0.072% |
| 71 | 20.480 | 2969 | 2974 | 2984 | rBV  | 1047632 | 1255323 | 28.02%  | 2.096% |

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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLJF7

## 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 | 20.568 | 2985 | 2989 | 2998 | rVB  | 239785  | 305921  | 6.83%  | 0.511% |
| 73 | 21.033 | 3064 | 3068 | 3080 | rBV2 | 411796  | 727671  | 16.24% | 1.215% |
| 74 | 21.327 | 3113 | 3118 | 3124 | rBV  | 2421371 | 2966307 | 66.22% | 4.953% |
| 75 | 21.468 | 3140 | 3142 | 3147 | rVB  | 95309   | 87724   | 1.96%  | 0.146% |
| 76 | 22.397 | 3296 | 3300 | 3311 | rVB  | 931881  | 1338471 | 29.88% | 2.235% |
| 77 | 23.456 | 3473 | 3480 | 3490 | rVB  | 2389989 | 4470362 | 99.80% | 7.464% |
| 78 | 23.597 | 3498 | 3504 | 3514 | rVB  | 1619267 | 3082348 | 68.81% | 5.146% |

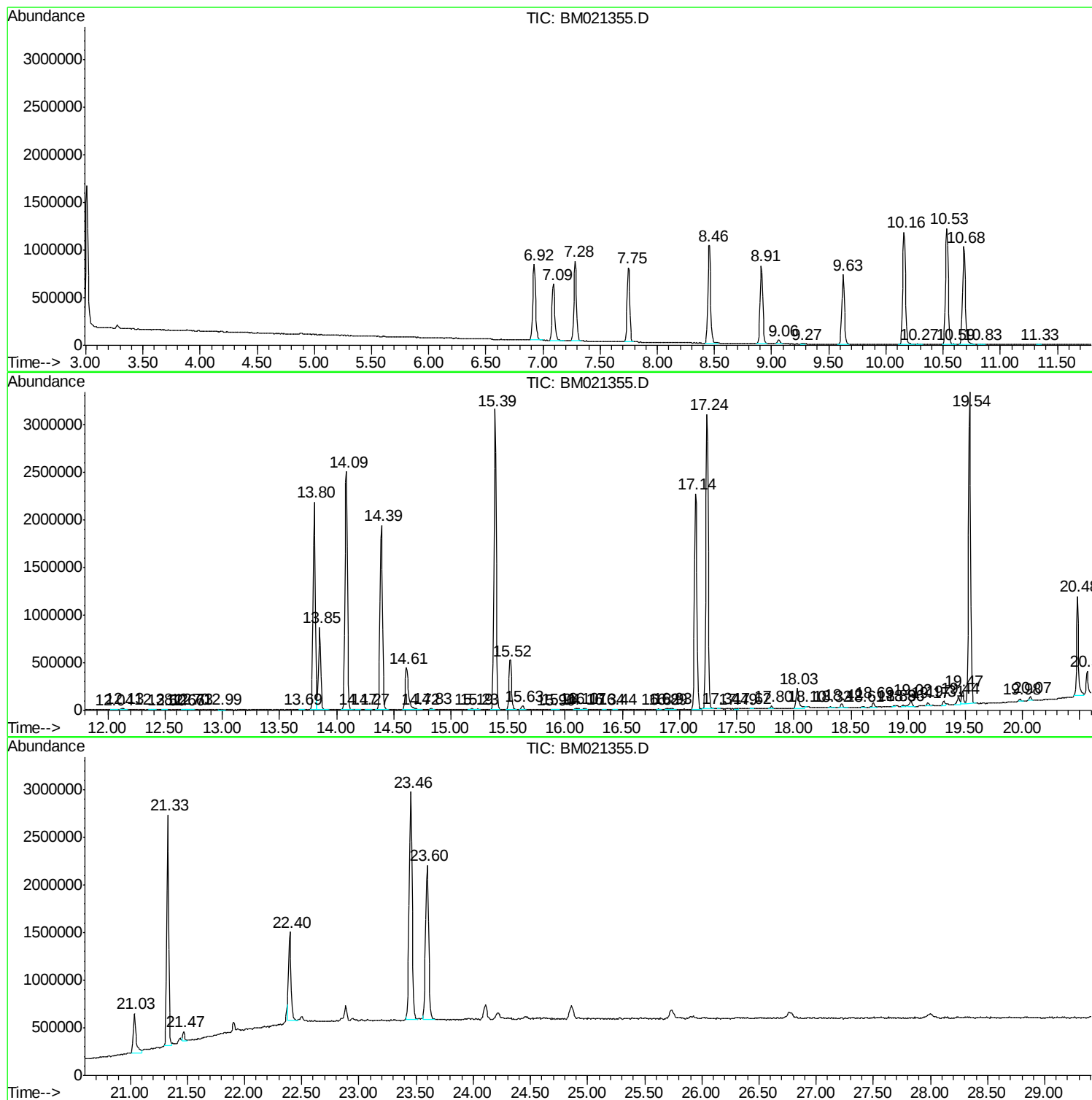
Sum of corrected areas: 59893039

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070219\  
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Instrument :  
BNA\_M  
ClientSampled :  
JLJF7

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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ALS Vial : 19 Sample Multiplier: 1

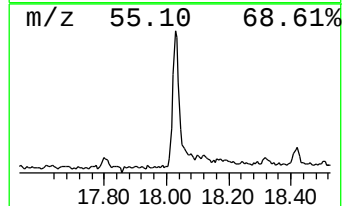
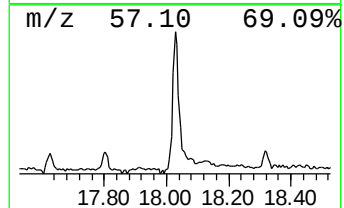
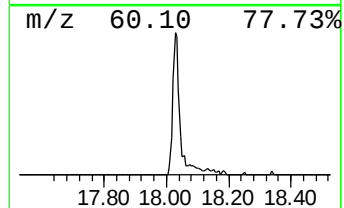
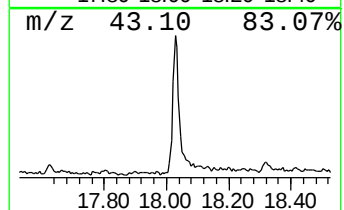
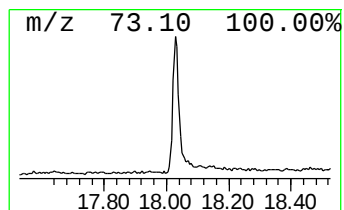
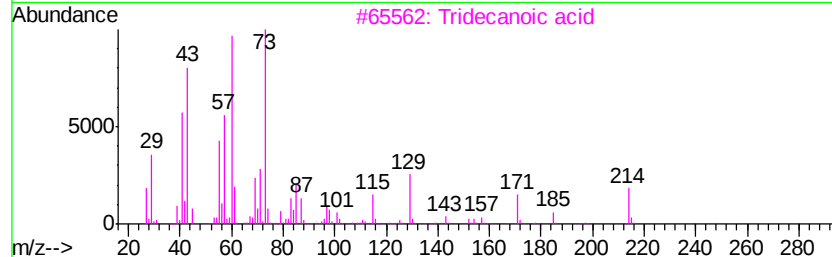
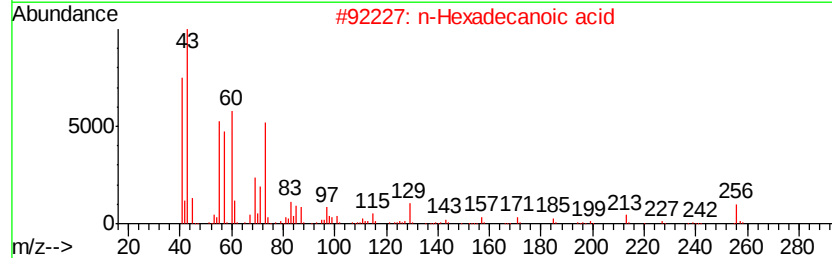
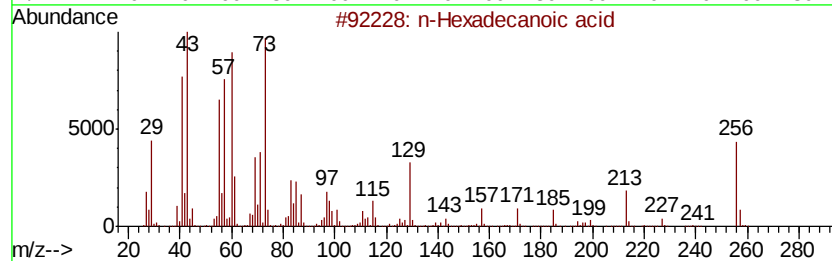
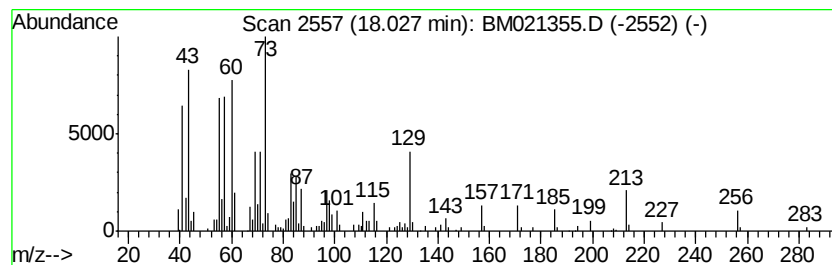
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD    |     | R.T.     |             |      |
|-------|------------|--------|---------------------|-----|----------|-------------|------|
| 18.03 | 2.16 ng/ul | 353915 | Phenanthrene-d10    |     | 17.14    |             |      |
| 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 | 95   |
| 3     |            |        | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 81   |
| 4     |            |        | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 74   |
| 5     |            |        | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 72   |



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

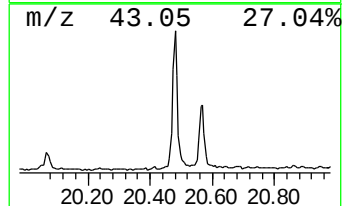
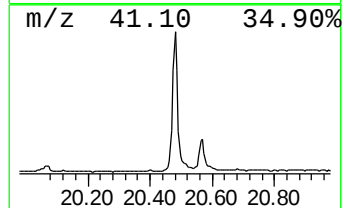
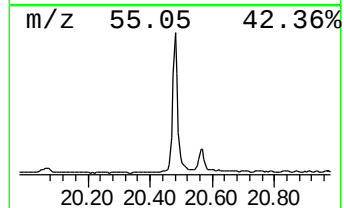
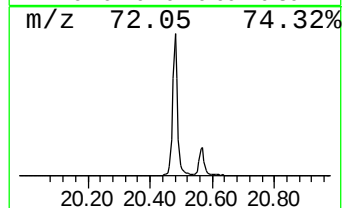
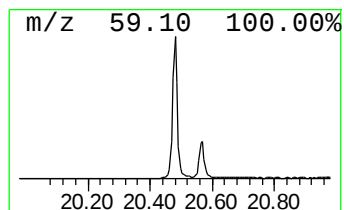
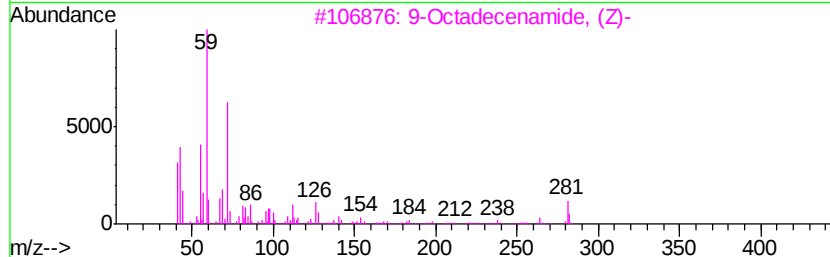
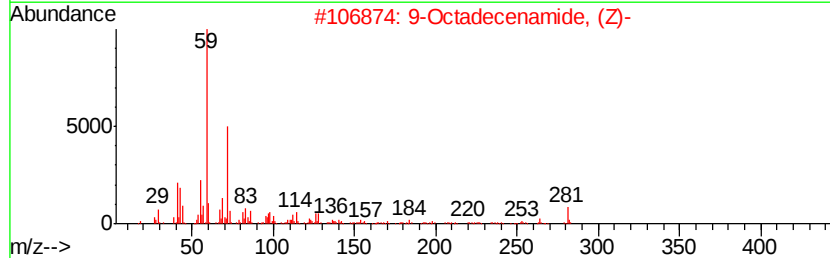
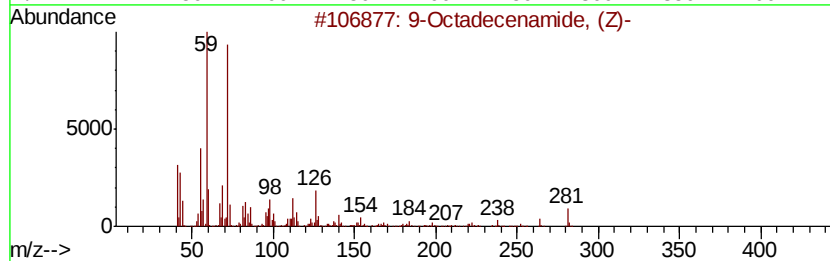
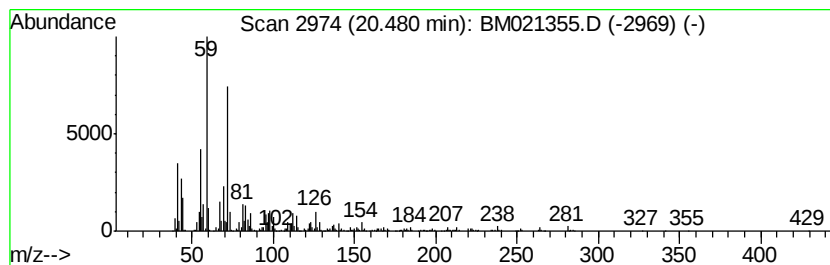
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 9-Octadecenamide, (Z)- Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.48 | 8.46 ng/ul | 1255320 | Chrysene-d12     | 21.33 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 9-Octadecenamide, (Z)-              | 281 | C18H35NO   | 000301-02-0 | 89   |
| 2    |    | 9-Octadecenamide, (Z)-              | 281 | C18H35NO   | 000301-02-0 | 87   |
| 3    |    | 9-Octadecenamide, (Z)-              | 281 | C18H35NO   | 000301-02-0 | 50   |
| 4    |    | Benzeneethanamine, 2-fluoro-.bet... | 229 | C11H16FN03 | 061338-98-5 | 45   |
| 5    |    | Octadecanamide                      | 283 | C18H37NO   | 000124-26-5 | 43   |



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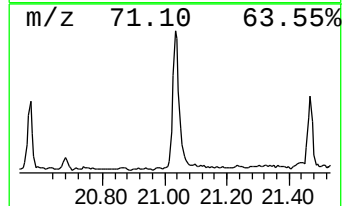
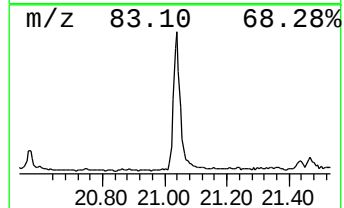
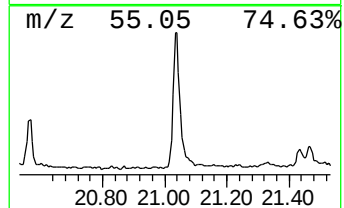
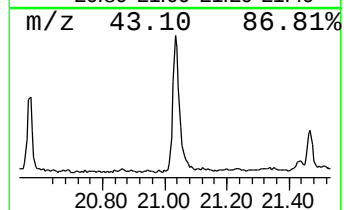
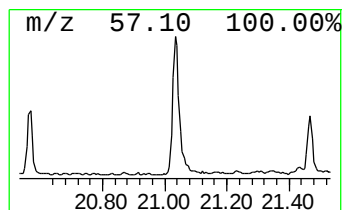
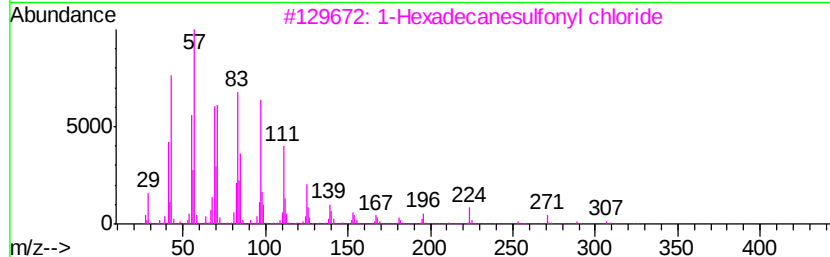
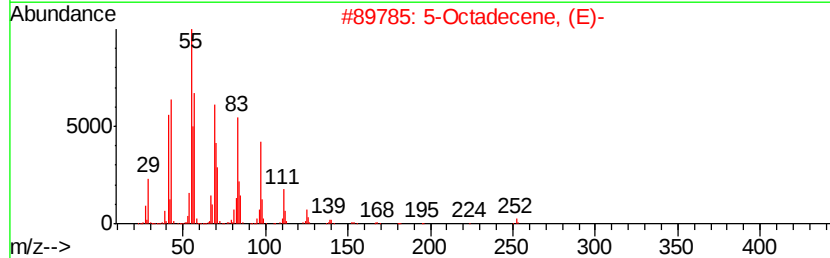
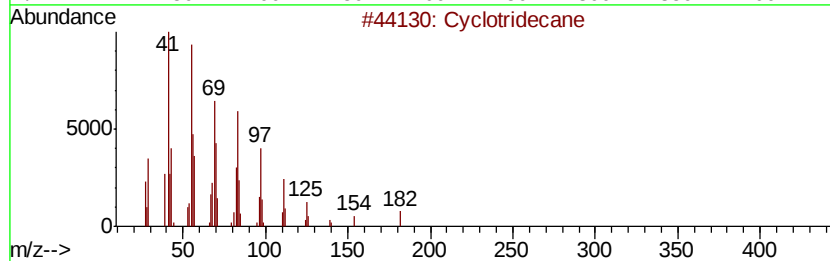
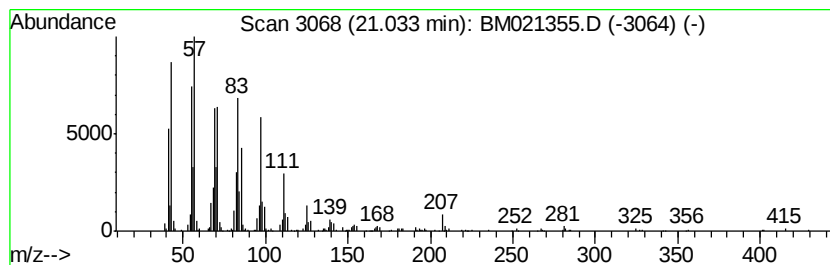
Instrument :  
BNA\_M  
ClientSampleId :  
JLJF7

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: Cyclic21.03 Concentration Rank 3

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.        |              |      |
|---------|------------|-------------------------------------|------------------|-------------|--------------|------|
| 21.03   | 4.91 ng/ul | 727671                              | Chrysene-d12     | 21.33       |              |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |            | Cyclotridecane                      | 182              | C13H26      | 000295-02-3  | 95   |
| 2       |            | 5-Octadecene, (E)-                  | 252              | C18H36      | 007206-21-5  | 93   |
| 3       |            | 1-Hexadecanesulfonyl chloride       | 324              | C16H33ClO2S | 038775-38-1  | 91   |
| 4       |            | Ethanol, 2-(tetradecyloxy)-         | 258              | C16H34O2    | 002136-70-1  | 91   |
| 5       |            | Dichloroacetic acid, heptadecyl ... | 366              | C19H36Cl2O2 | 1000282-98-2 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070219\  
Data File : BM021355.D  
Acq On : 02 Jul 2019 22:26  
Operator : HP/JU  
Sample : K3578-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLJF7

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

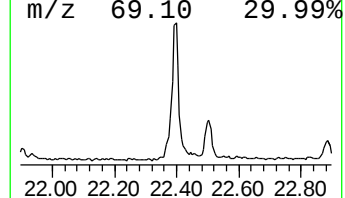
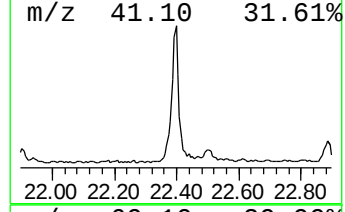
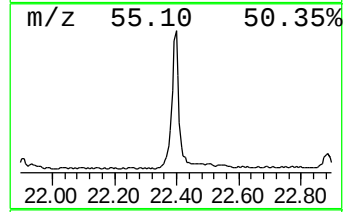
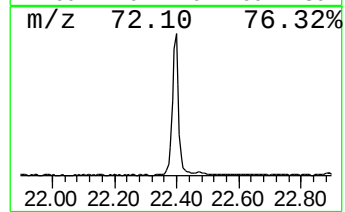
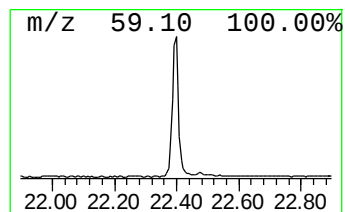
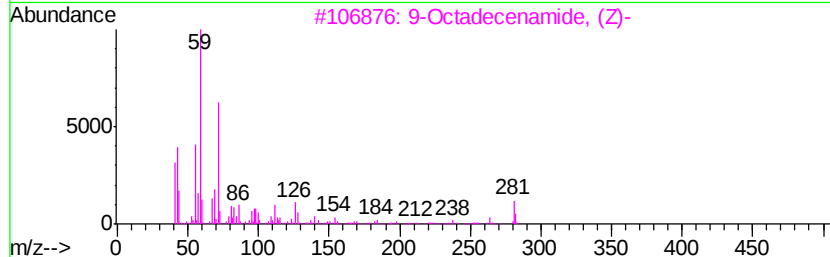
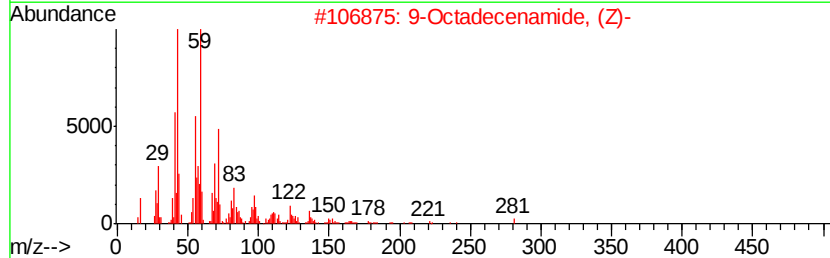
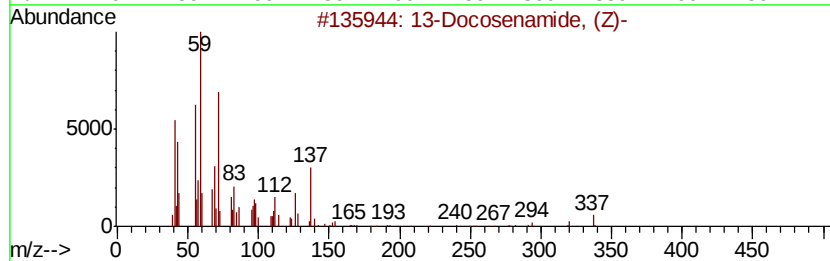
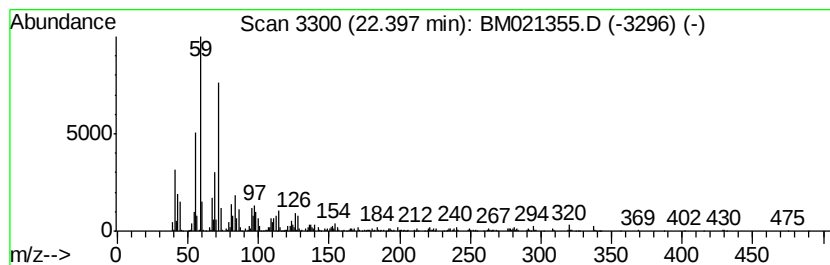
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 13-Docosenamide, (Z)- Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.40 | 9.02 ng/ul | 1338470 | Chrysene-d12     | 21.33 |

| Hit# of | 5 | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|---------|---|------------------------|-----|----------|-------------|------|
| 1       |   | 13-Docosenamide, (Z)-  | 337 | C22H43NO | 000112-84-5 | 91   |
| 2       |   | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 83   |
| 3       |   | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 64   |
| 4       |   | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 58   |
| 5       |   | Tetradecanamide        | 227 | C14H29NO | 000638-58-4 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM070219\  
Data File : BM021355.D  
Acq On : 02 Jul 2019 22:26  
Operator : HP/JU  
Sample : K3578-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLJF7

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 | 2.2     | ng/ul | 353915   | 4                     | 17.14 | 3276500 | 20.0 |
| 9-Octadecenamide,... | 20.48 | 8.5     | ng/ul | 1255320  | 5                     | 21.33 | 2966310 | 20.0 |
| (DEL) Alkane: Cyc... | 21.03 | 4.9     | ng/ul | 727671   | 5                     | 21.33 | 2966310 | 20.0 |
| 13-Docosenamide, ... | 22.40 | 9.0     | ng/ul | 1338470  | 5                     | 21.33 | 2966310 | 20.0 |