

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122319\  
 Data File : BM024273.D  
 Acq On : 25 Dec 2019 02:48  
 Operator : JU  
 Sample : K6240-19  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFQS2

## 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-BM121719MA.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      | 2.993    | 16         | 18       | 28        | rVB   | 76820       | 110278     | 1.59%        | 0.147%     |
| 2      | 3.687    | 134        | 136      | 140       | rVB2  | 14562       | 18926      | 0.27%        | 0.025%     |
| 3      | 6.634    | 630        | 637      | 653       | rBV   | 261133      | 540812     | 7.82%        | 0.722%     |
| 4      | 6.781    | 656        | 662      | 680       | rBV   | 922922      | 1563164    | 22.60%       | 2.087%     |
| 5      | 6.969    | 687        | 694      | 709       | rBV   | 1080025     | 1777814    | 25.71%       | 2.374%     |
| 6      | 7.428    | 765        | 772      | 784       | rBV   | 1096472     | 1755920    | 25.39%       | 2.344%     |
| 7      | 8.157    | 890        | 896      | 914       | rBV   | 808691      | 1418088    | 20.50%       | 1.893%     |
| 8      | 8.581    | 961        | 968      | 982       | rBV   | 1148548     | 2013732    | 29.12%       | 2.689%     |
| 9      | 8.669    | 982        | 983      | 989       | rVB5  | 6278        | 8991       | 0.13%        | 0.012%     |
| 10     | 8.769    | 996        | 1000     | 1002      | rVB5  | 5975        | 8793       | 0.13%        | 0.012%     |
| 11     | 9.016    | 1037       | 1042     | 1047      | rVB2  | 31748       | 47164      | 0.68%        | 0.063%     |
| 12     | 9.298    | 1083       | 1090     | 1107      | rBV   | 981360      | 1690676    | 24.45%       | 2.257%     |
| 13     | 9.839    | 1175       | 1182     | 1203      | rBV   | 1364617     | 2561674    | 37.04%       | 3.420%     |
| 14     | 10.198   | 1234       | 1243     | 1255      | rBV   | 1528092     | 2517335    | 36.40%       | 3.361%     |
| 15     | 10.363   | 1265       | 1271     | 1286      | rBV2  | 109698      | 269501     | 3.90%        | 0.360%     |
| 16     | 11.804   | 1512       | 1516     | 1524      | rVB3  | 18170       | 38732      | 0.56%        | 0.052%     |
| 17     | 12.933   | 1700       | 1708     | 1709      | rBV7  | 7033        | 12107      | 0.18%        | 0.016%     |
| 18     | 13.057   | 1726       | 1729     | 1732      | rBV3  | 5063        | 7708       | 0.11%        | 0.010%     |
| 19     | 13.521   | 1801       | 1808     | 1813      | rBV   | 2632117     | 3843053    | 55.57%       | 5.131%     |
| 20     | 13.568   | 1813       | 1816     | 1823      | rVB   | 179362      | 246867     | 3.57%        | 0.330%     |
| 21     | 13.780   | 1845       | 1852     | 1866      | rBV   | 3357982     | 4921777    | 71.17%       | 6.571%     |
| 22     | 14.092   | 1899       | 1905     | 1912      | rVV2  | 2165985     | 3216566    | 46.51%       | 4.295%     |
| 23     | 14.157   | 1913       | 1916     | 1922      | rVB3  | 21435       | 35322      | 0.51%        | 0.047%     |
| 24     | 14.304   | 1935       | 1941     | 1945      | rVB9  | 3874        | 8032       | 0.12%        | 0.011%     |
| 25     | 14.374   | 1945       | 1953     | 1965      | rBV2  | 93844       | 277416     | 4.01%        | 0.370%     |
| 26     | 14.557   | 1980       | 1984     | 1989      | rBV5  | 10593       | 17033      | 0.25%        | 0.023%     |
| 27     | 14.921   | 2042       | 2046     | 2048      | rBV4  | 6683        | 8656       | 0.13%        | 0.012%     |
| 28     | 14.980   | 2054       | 2056     | 2059      | rVB4  | 8459        | 9484       | 0.14%        | 0.013%     |
| 29     | 15.098   | 2069       | 2076     | 2090      | rBV   | 4101007     | 5910203    | 85.46%       | 7.891%     |
| 30     | 15.251   | 2096       | 2102     | 2113      | rBV   | 669290      | 1013942    | 14.66%       | 1.354%     |
| 31     | 15.339   | 2113       | 2117     | 2122      | rVB2  | 48161       | 75227      | 1.09%        | 0.100%     |
| 32     | 15.486   | 2137       | 2142     | 2145      | rBV6  | 5562        | 13069      | 0.19%        | 0.017%     |
| 33     | 15.539   | 2148       | 2151     | 2154      | rBV5  | 8392        | 12153      | 0.18%        | 0.016%     |
| 34     | 15.868   | 2200       | 2207     | 2217      | rBV3  | 29775       | 74571      | 1.08%        | 0.100%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 15.957 | 2217 | 2222 | 2226 | rBV  | 80559   | 109085  | 1.58%   | 0.146% |
| 36 | 16.015 | 2228 | 2232 | 2238 | rVB2 | 70305   | 122284  | 1.77%   | 0.163% |
| 37 | 16.074 | 2238 | 2242 | 2246 | rBV2 | 69942   | 106053  | 1.53%   | 0.142% |
| 38 | 16.115 | 2246 | 2249 | 2255 | rVB2 | 47677   | 61723   | 0.89%   | 0.082% |
| 39 | 16.192 | 2255 | 2262 | 2265 | rBV  | 35182   | 70064   | 1.01%   | 0.094% |
| 40 | 16.221 | 2265 | 2267 | 2270 | rVB  | 28704   | 30248   | 0.44%   | 0.040% |
| 41 | 16.274 | 2270 | 2276 | 2283 | rBV4 | 67333   | 129546  | 1.87%   | 0.173% |
| 42 | 16.345 | 2283 | 2288 | 2291 | rBV  | 101914  | 136325  | 1.97%   | 0.182% |
| 43 | 16.415 | 2296 | 2300 | 2306 | rVB  | 60737   | 86814   | 1.26%   | 0.116% |
| 44 | 16.533 | 2317 | 2320 | 2322 | rVB4 | 7682    | 8093    | 0.12%   | 0.011% |
| 45 | 16.639 | 2334 | 2338 | 2341 | rBV2 | 15901   | 23194   | 0.34%   | 0.031% |
| 46 | 16.851 | 2368 | 2374 | 2385 | rBV  | 2595039 | 3598935 | 52.04%  | 4.805% |
| 47 | 16.951 | 2385 | 2391 | 2404 | rVV  | 4495408 | 6143847 | 88.84%  | 8.203% |
| 48 | 17.162 | 2424 | 2427 | 2430 | rBV4 | 12627   | 18353   | 0.27%   | 0.025% |
| 49 | 17.380 | 2462 | 2464 | 2466 | rVB3 | 9079    | 7151    | 0.10%   | 0.010% |
| 50 | 17.780 | 2527 | 2532 | 2540 | rBV  | 177306  | 307934  | 4.45%   | 0.411% |
| 51 | 18.068 | 2578 | 2581 | 2582 | rBV3 | 14830   | 15006   | 0.22%   | 0.020% |
| 52 | 18.715 | 2688 | 2691 | 2697 | rVB4 | 22752   | 30737   | 0.44%   | 0.041% |
| 53 | 18.898 | 2718 | 2722 | 2725 | rBV  | 52988   | 72916   | 1.05%   | 0.097% |
| 54 | 19.074 | 2749 | 2752 | 2760 | rBV4 | 78834   | 147454  | 2.13%   | 0.197% |
| 55 | 19.145 | 2762 | 2764 | 2770 | rVB  | 46708   | 67384   | 0.97%   | 0.090% |
| 56 | 19.262 | 2778 | 2784 | 2789 | rBV  | 5090822 | 6789518 | 98.17%  | 9.065% |
| 57 | 19.845 | 2880 | 2883 | 2887 | rVB  | 73889   | 81969   | 1.19%   | 0.109% |
| 58 | 20.339 | 2964 | 2967 | 2971 | rVB3 | 134964  | 157679  | 2.28%   | 0.211% |
| 59 | 20.803 | 3042 | 3046 | 3054 | rBV  | 1009597 | 1342297 | 19.41%  | 1.792% |
| 60 | 21.068 | 3086 | 3091 | 3097 | rBV  | 2806632 | 3761536 | 54.39%  | 5.022% |
| 61 | 21.244 | 3118 | 3121 | 3126 | rVB  | 328915  | 337010  | 4.87%   | 0.450% |
| 62 | 21.662 | 3189 | 3192 | 3200 | rBV  | 436490  | 584450  | 8.45%   | 0.780% |
| 63 | 22.103 | 3263 | 3267 | 3272 | rVB  | 596217  | 724461  | 10.48%  | 0.967% |
| 64 | 22.580 | 3344 | 3348 | 3353 | rVB  | 683915  | 890424  | 12.88%  | 1.189% |
| 65 | 23.062 | 3424 | 3430 | 3435 | rBV  | 3898932 | 6915914 | 100.00% | 9.234% |
| 66 | 23.109 | 3435 | 3438 | 3445 | rVV  | 714329  | 1028537 | 14.87%  | 1.373% |
| 67 | 23.197 | 3447 | 3453 | 3461 | rVB  | 2283799 | 4046811 | 58.51%  | 5.403% |
| 68 | 23.709 | 3537 | 3540 | 3546 | rVB  | 554963  | 899494  | 13.01%  | 1.201% |

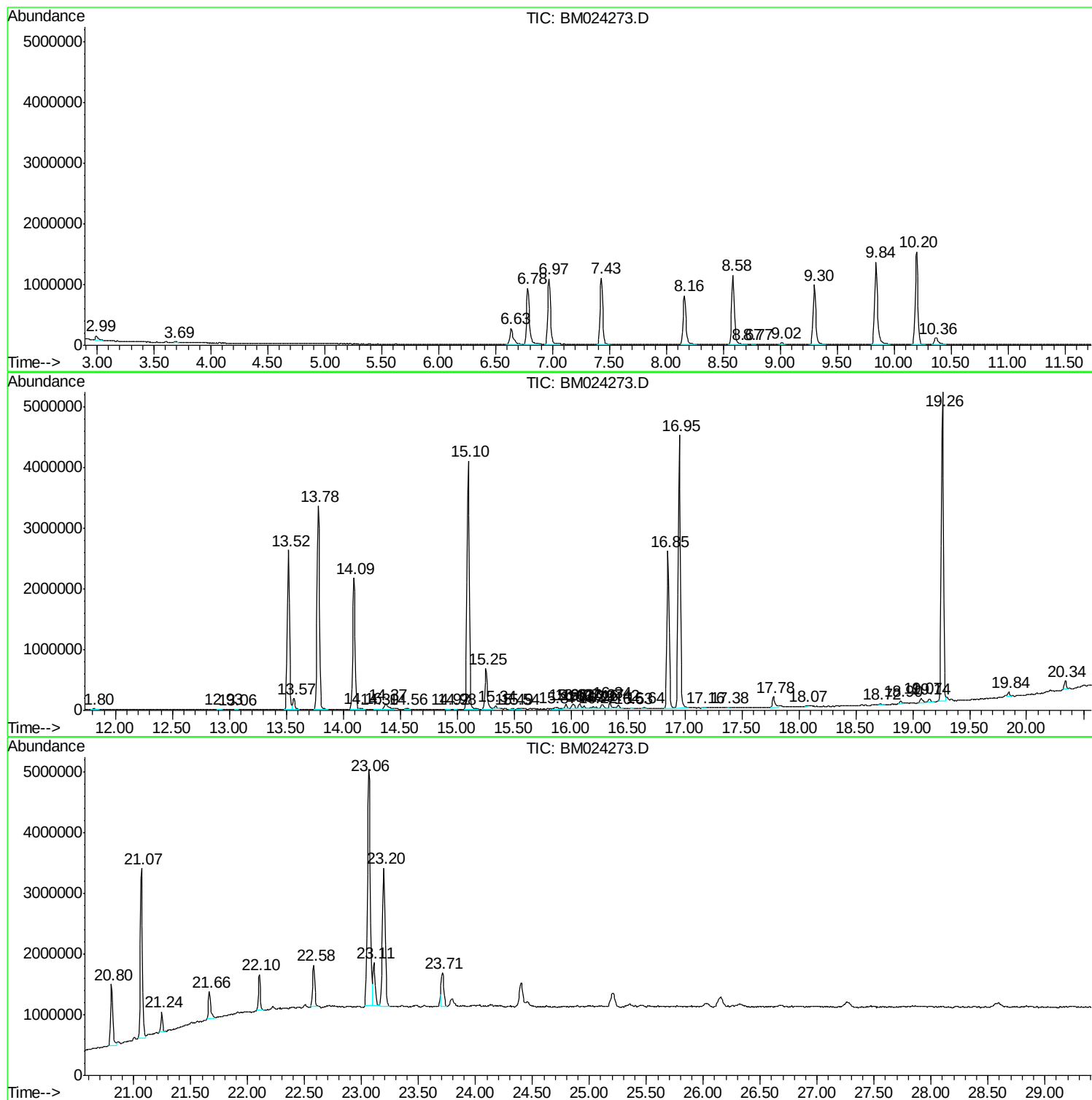
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ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

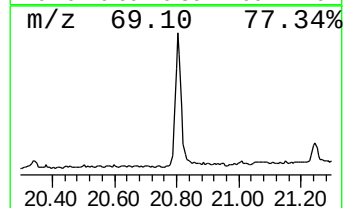
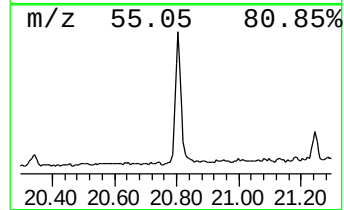
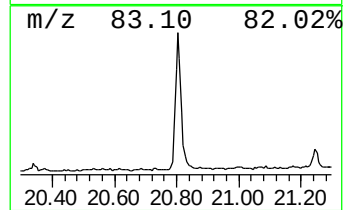
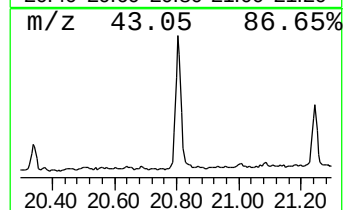
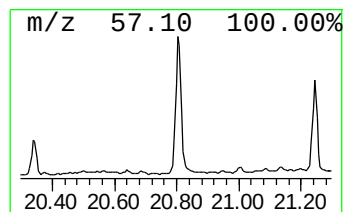
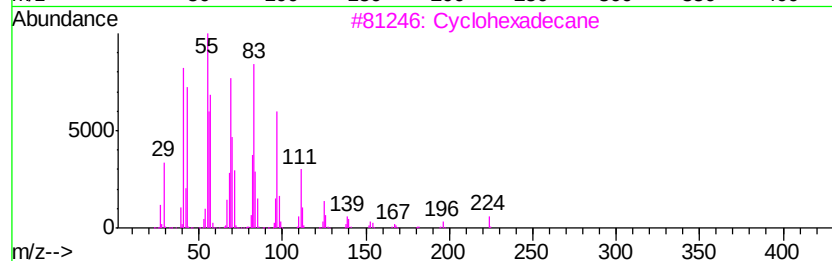
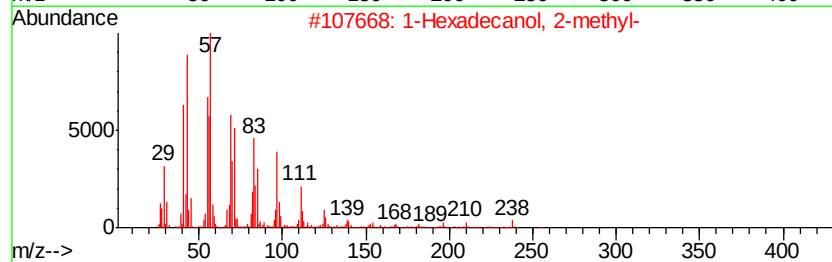
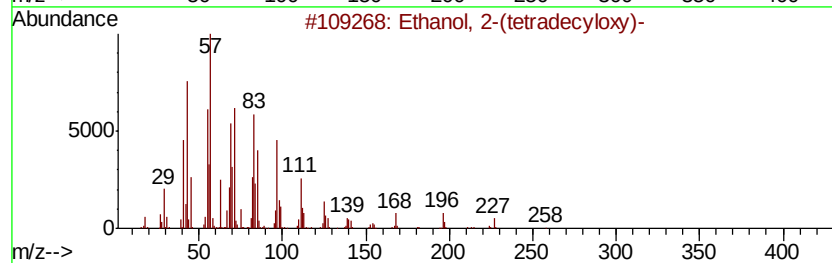
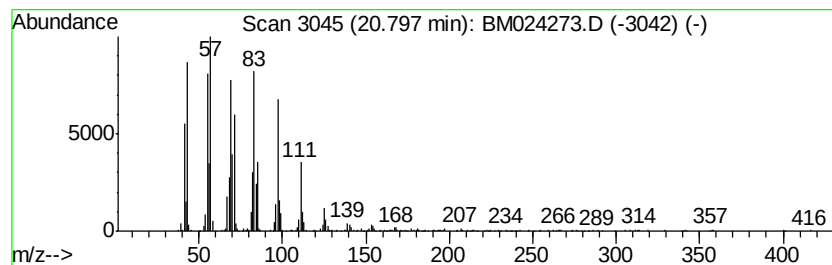
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Ethanol, 2-(tetradecyloxy)- Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.80 | 7.14 ng/ul | 1342300 | Chrysene-d12     | 21.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2   | 002136-70-1  | 95   |
| 2    |    | 1-Hexadecanol, 2-methyl-            | 256 | C17H36O    | 002490-48-4  | 93   |
| 3    |    | Cyclohexadecane                     | 224 | C16H32     | 000295-65-8  | 93   |
| 4    |    | Nonadecyl pentafluoropropionate     | 430 | C22H39F5O2 | 1000351-88-8 | 91   |
| 5    |    | Methoxyacetic acid, heptadecyl e... | 328 | C20H40O3   | 1000282-99-1 | 91   |



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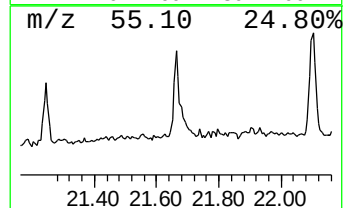
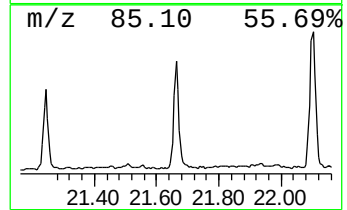
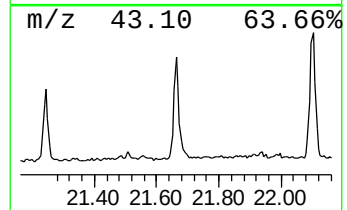
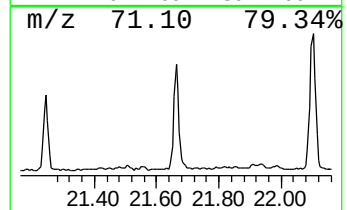
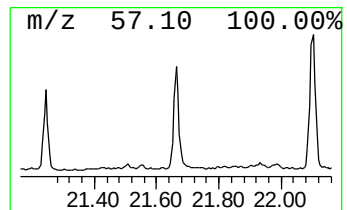
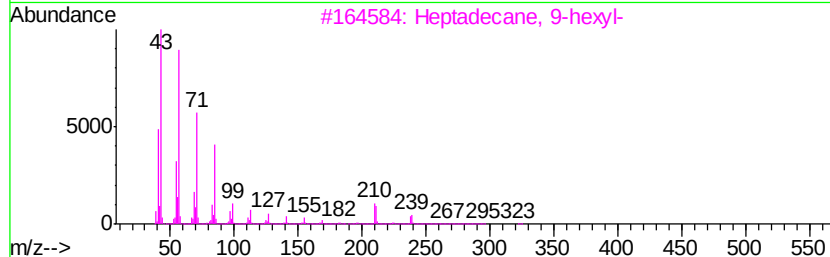
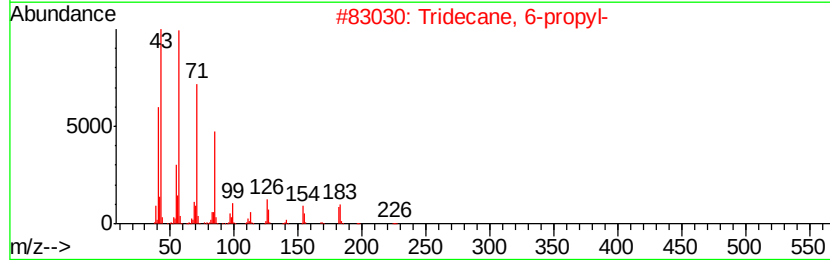
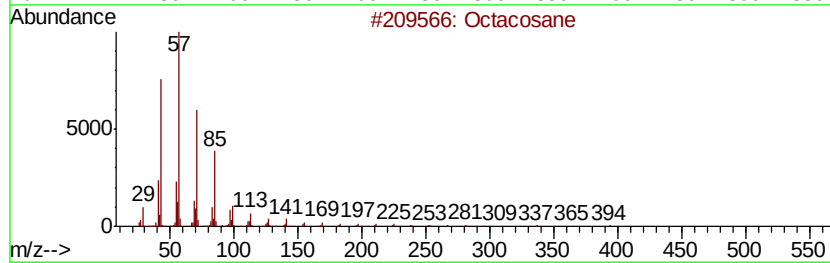
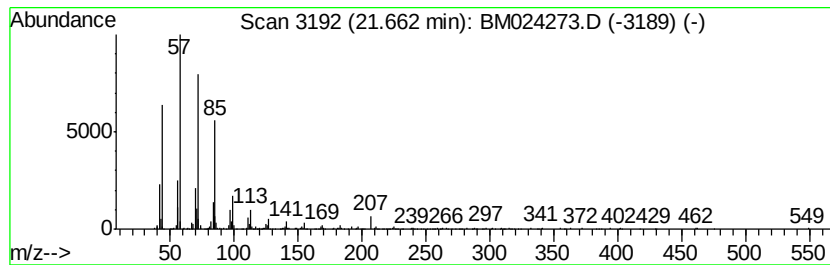
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.      | EstConc               | Area   | Relative to ISTD |             | R.T.  |
|-----------|-----------------------|--------|------------------|-------------|-------|
| 21.66     | 3.11 ng/ul            | 584450 | Chrysene-d12     |             | 21.07 |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual  |
| 1         | Octacosane            | 394    | C28H58           | 000630-02-4 | 96    |
| 2         | Tridecane, 6-propyl-  | 226    | C16H34           | 055045-10-8 | 91    |
| 3         | Heptadecane, 9-hexyl- | 324    | C23H48           | 055124-79-3 | 91    |
| 4         | Heneicosane           | 296    | C21H44           | 000629-94-7 | 91    |
| 5         | Hexadecane            | 226    | C16H34           | 000544-76-3 | 91    |



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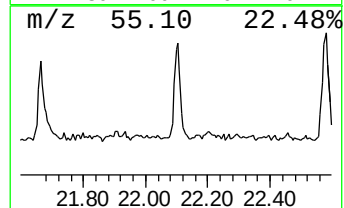
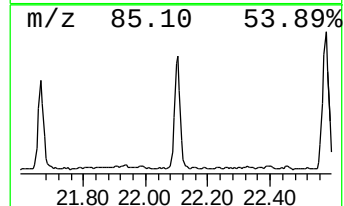
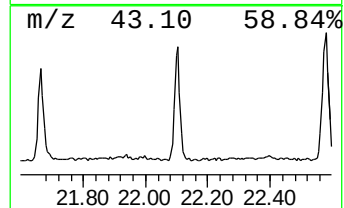
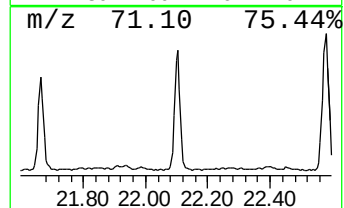
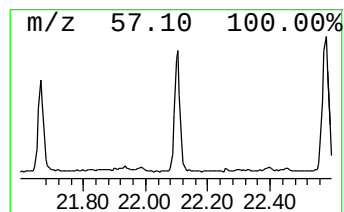
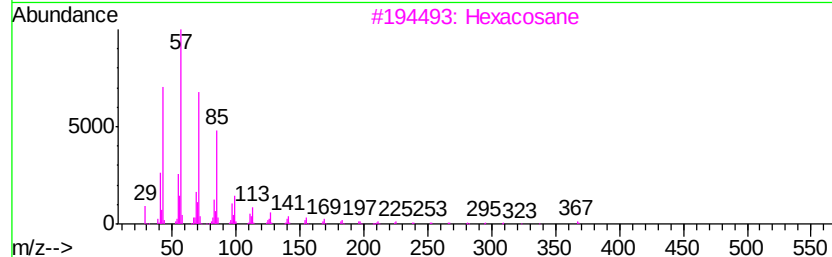
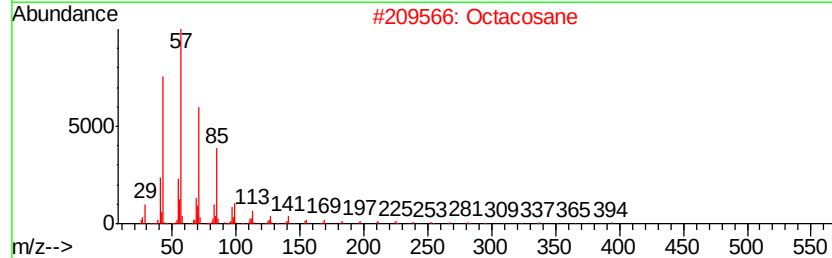
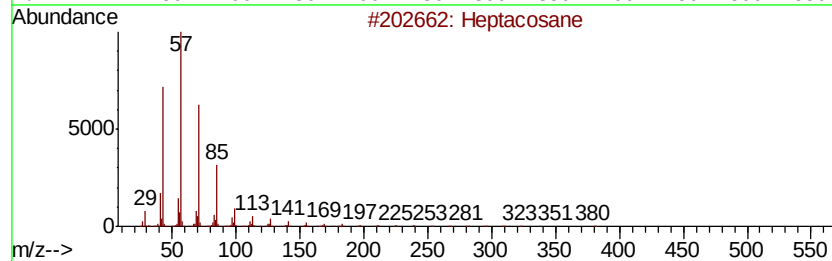
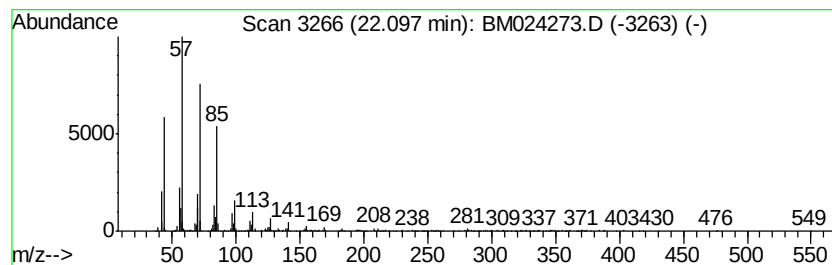
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.10 | 3.85 ng/ul | 724461 | Chrysene-d12     | 21.07 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane        | 380 | C27H56  | 000593-49-7 | 94   |
| 2    |    | Octacosane         | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Hexacosane         | 366 | C26H54  | 000630-01-3 | 91   |
| 4    |    | Heneicosane        | 296 | C21H44  | 000629-94-7 | 91   |
| 5    |    | Eicosane, 7-hexyl- | 366 | C26H54  | 055333-99-8 | 90   |



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Quant Title : SVOA CALIBRATION

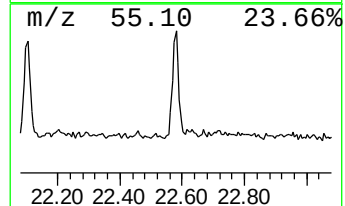
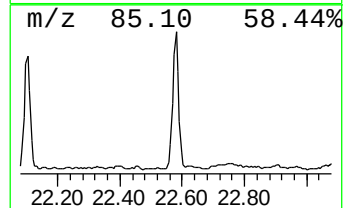
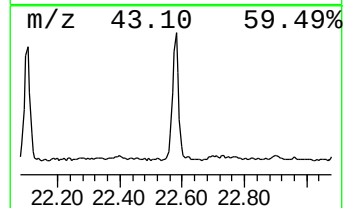
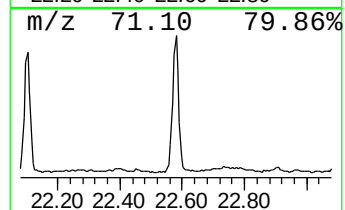
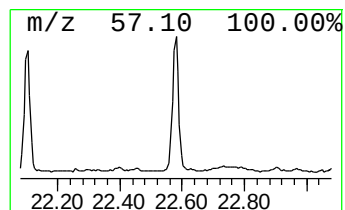
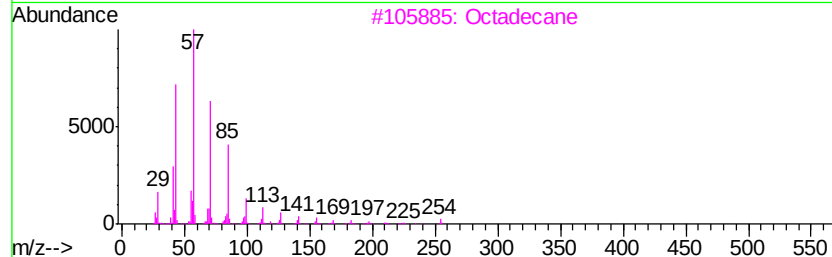
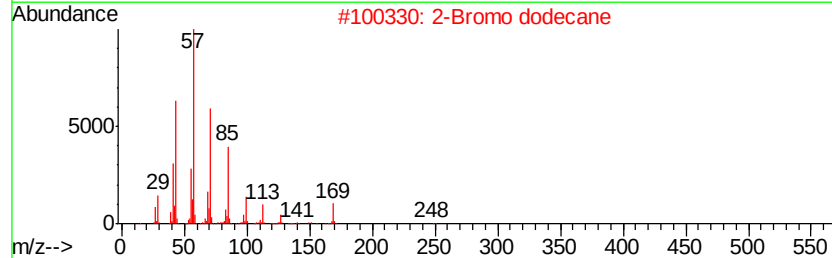
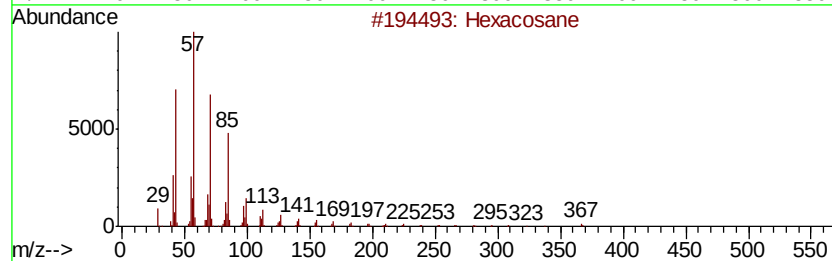
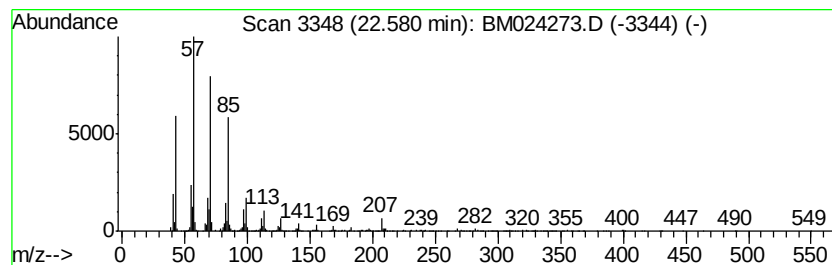
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.58 | 4.40 ng/ul | 890424 | Perylene-d12     | 23.20 |

| Hit# | of | Tentative ID     | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------|-----|----------|-------------|------|
| 1    | 5  | Hexacosane       | 366 | C26H54   | 000630-01-3 | 91   |
| 2    |    | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 90   |
| 3    |    | Octadecane       | 254 | C18H38   | 000593-45-3 | 83   |
| 4    |    | Heptacosane      | 380 | C27H56   | 000593-49-7 | 81   |
| 5    |    | Octacosane       | 394 | C28H58   | 000630-02-4 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122319\  
Data File : BM024273.D  
Acq On : 25 Dec 2019 02:48  
Operator : JU  
Sample : K6240-19  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BFQS2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

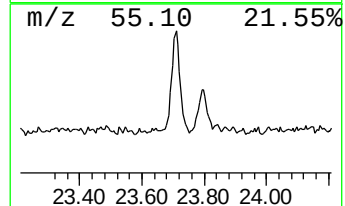
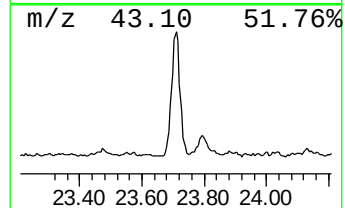
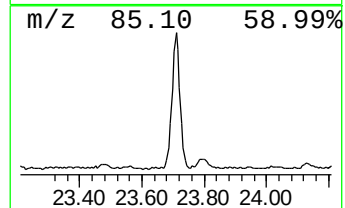
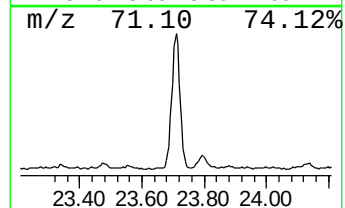
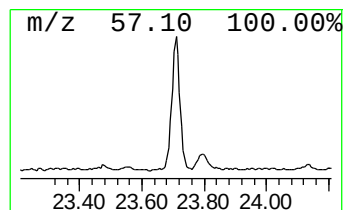
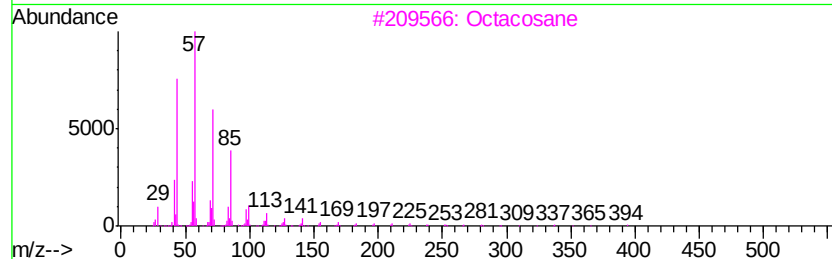
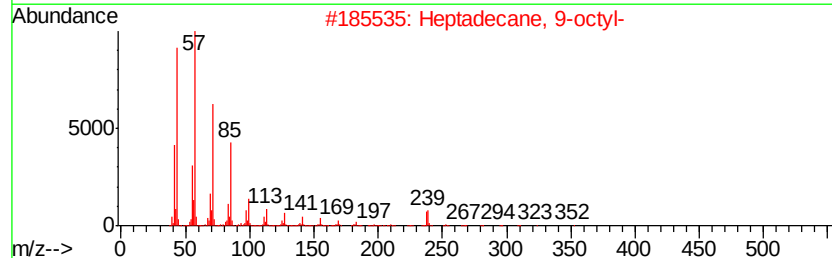
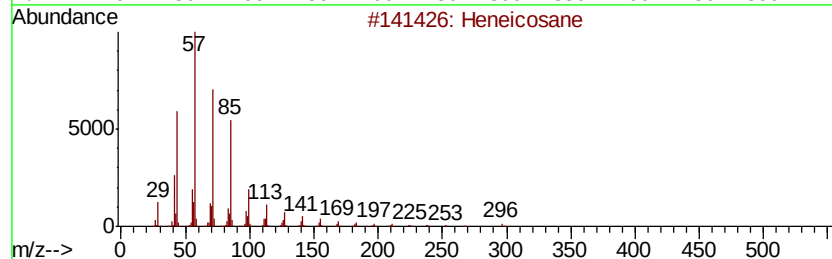
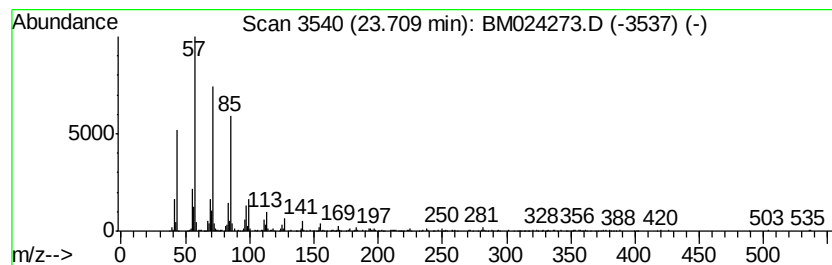
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.71 | 4.45 ng/ul | 899494 | Perylene-d12     | 23.20 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------|-----|---------|--------------|------|
| 1    | 5  | Heneicosane             | 296 | C21H44  | 000629-94-7  | 91   |
| 2    |    | Heptadecane, 9-octyl-   | 352 | C25H52  | 007225-64-1  | 91   |
| 3    |    | Octacosane              | 394 | C28H58  | 000630-02-4  | 91   |
| 4    |    | 2-methyloctacosane      | 408 | C29H60  | 1000376-72-8 | 91   |
| 5    |    | Heneicosane, 11-pentyl- | 366 | C26H54  | 014739-72-1  | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM122319\  
Data File : BM024273.D  
Acq On : 25 Dec 2019 02:48  
Operator : JU  
Sample : K6240-19  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BFQS2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.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 |
| Ethanol, 2-(tetra... | 20.80 | 7.1     | ng/ul | 1342300  | 5                     | 21.07 | 3761540 | 20.0 |
| (DEL) Alkane: Str... | 21.66 | 3.1     | ng/ul | 584450   | 5                     | 21.07 | 3761540 | 20.0 |
| (DEL) Alkane: Str... | 22.10 | 3.9     | ng/ul | 724461   | 5                     | 21.07 | 3761540 | 20.0 |
| (DEL) Alkane: Str... | 22.58 | 4.4     | ng/ul | 890424   | 6                     | 23.20 | 4046810 | 20.0 |
| (DEL) Alkane: Str... | 23.71 | 4.5     | ng/ul | 899494   | 6                     | 23.20 | 4046810 | 20.0 |