

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071917\  
 Data File : BG027972.D  
 Acq On : 19 Jul 2017 21:34  
 Operator : SJ/JU  
 Sample : I4213-13  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B37

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG071717.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         | 3.861       | 42            | 46          | 54           | rVB      | 11397          | 16760         | 0.80%           | 0.079%        |
| 2         | 4.126       | 89            | 91          | 98           | rBV2     | 3125           | 6396          | 0.31%           | 0.030%        |
| 3         | 4.596       | 163           | 171         | 183          | rVB      | 177541         | 309567        | 14.83%          | 1.461%        |
| 4         | 4.895       | 215           | 222         | 234          | rVB      | 74386          | 119745        | 5.74%           | 0.565%        |
| 5         | 5.083       | 248           | 254         | 260          | rVB3     | 4225           | 7205          | 0.35%           | 0.034%        |
| 6         | 5.483       | 316           | 322         | 336          | rBV      | 377289         | 597167        | 28.61%          | 2.818%        |
| 7         | 6.106       | 423           | 428         | 434          | rVB3     | 2038           | 4167          | 0.20%           | 0.020%        |
| 8         | 6.264       | 450           | 455         | 459          | rBV3     | 1389           | 2957          | 0.14%           | 0.014%        |
| 9         | 6.423       | 478           | 482         | 491          | rBV5     | 3297           | 6239          | 0.30%           | 0.029%        |
| 10        | 6.582       | 503           | 509         | 516          | rBV4     | 1836           | 4317          | 0.21%           | 0.020%        |
| 11        | 7.516       | 659           | 668         | 679          | rBV      | 251605         | 450150        | 21.57%          | 2.124%        |
| 12        | 7.686       | 689           | 697         | 708          | rBV      | 168003         | 283865        | 13.60%          | 1.339%        |
| 13        | 7.904       | 726           | 734         | 745          | rBV      | 245116         | 440288        | 21.09%          | 2.078%        |
| 14        | 8.133       | 769           | 773         | 778          | rBV4     | 2027           | 3055          | 0.15%           | 0.014%        |
| 15        | 8.374       | 806           | 814         | 825          | rVB      | 181950         | 324765        | 15.56%          | 1.532%        |
| 16        | 8.703       | 864           | 870         | 873          | rBV3     | 2185           | 3717          | 0.18%           | 0.018%        |
| 17        | 9.061       | 923           | 931         | 947          | rBV      | 298839         | 538343        | 25.79%          | 2.540%        |
| 18        | 9.537       | 1004          | 1012        | 1026         | rBV      | 214570         | 396985        | 19.02%          | 1.873%        |
| 19        | 9.660       | 1030          | 1033        | 1045         | rVB4     | 1689           | 5367          | 0.26%           | 0.025%        |
| 20        | 10.265      | 1126          | 1136        | 1147         | rBV      | 188677         | 357236        | 17.11%          | 1.686%        |
| 21        | 10.800      | 1214          | 1227        | 1245         | rBV      | 291630         | 577902        | 27.69%          | 2.727%        |
| 22        | 11.123      | 1275          | 1282        | 1285         | rBV      | 1547           | 3910          | 0.19%           | 0.018%        |
| 23        | 11.194      | 1285          | 1294        | 1307         | rVB      | 258981         | 470783        | 22.55%          | 2.221%        |
| 24        | 11.323      | 1307          | 1316        | 1331         | rBV      | 166448         | 337938        | 16.19%          | 1.595%        |
| 25        | 11.958      | 1420          | 1424        | 1429         | rBV3     | 1579           | 2912          | 0.14%           | 0.014%        |
| 26        | 12.674      | 1535          | 1546        | 1555         | rBV      | 142915         | 252896        | 12.12%          | 1.193%        |
| 27        | 12.745      | 1555          | 1558        | 1567         | rVB4     | 5480           | 8596          | 0.41%           | 0.041%        |
| 28        | 13.327      | 1650          | 1657        | 1662         | rVB2     | 4223           | 6779          | 0.32%           | 0.032%        |
| 29        | 13.567      | 1690          | 1698        | 1706         | rBV2     | 6787           | 12322         | 0.59%           | 0.058%        |
| 30        | 13.844      | 1740          | 1745        | 1752         | rVB2     | 2381           | 4980          | 0.24%           | 0.023%        |
| 31        | 14.367      | 1823          | 1834        | 1838         | rBV      | 621570         | 925345        | 44.33%          | 4.366%        |
| 32        | 14.408      | 1838          | 1841        | 1849         | rVB      | 99392          | 144681        | 6.93%           | 0.683%        |
| 33        | 14.672      | 1875          | 1886        | 1898         | rBV      | 635370         | 1026469       | 49.18%          | 4.843%        |
| 34        | 14.978      | 1929          | 1938        | 1946         | rBV2     | 421158         | 702534        | 33.66%          | 3.315%        |

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 Max Peaks: 100  
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG071717.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 15.160 | 1959 | 1969 | 1997 | rBV  | 147538  | 383004  | 18.35% | 1.807% |
| 36 | 15.736 | 2062 | 2067 | 2068 | rBV2 | 4064    | 4611    | 0.22%  | 0.022% |
| 37 | 15.765 | 2068 | 2072 | 2080 | rVB2 | 9102    | 14997   | 0.72%  | 0.071% |
| 38 | 15.965 | 2095 | 2106 | 2117 | rBV  | 887497  | 1397115 | 66.93% | 6.592% |
| 39 | 16.070 | 2117 | 2124 | 2136 | rVB2 | 252183  | 392679  | 18.81% | 1.853% |
| 40 | 16.200 | 2142 | 2146 | 2152 | rVB2 | 9337    | 14355   | 0.69%  | 0.068% |
| 41 | 16.634 | 2216 | 2220 | 2232 | rVB  | 4612    | 9155    | 0.44%  | 0.043% |
| 42 | 16.828 | 2247 | 2253 | 2258 | rVB3 | 3875    | 5855    | 0.28%  | 0.028% |
| 43 | 16.922 | 2263 | 2269 | 2273 | rBV4 | 1849    | 2917    | 0.14%  | 0.014% |
| 44 | 17.428 | 2350 | 2355 | 2361 | rBV3 | 6170    | 10642   | 0.51%  | 0.050% |
| 45 | 17.504 | 2361 | 2368 | 2373 | rVB4 | 3248    | 6945    | 0.33%  | 0.033% |
| 46 | 17.586 | 2378 | 2382 | 2389 | rBV5 | 2743    | 4174    | 0.20%  | 0.020% |
| 47 | 17.721 | 2395 | 2405 | 2415 | rBV  | 616289  | 970331  | 46.49% | 4.579% |
| 48 | 17.821 | 2415 | 2422 | 2434 | rVB  | 1048383 | 1617106 | 77.47% | 7.630% |
| 49 | 17.974 | 2444 | 2448 | 2458 | rVB6 | 2424    | 6869    | 0.33%  | 0.032% |
| 50 | 18.080 | 2458 | 2466 | 2467 | rBV4 | 2256    | 4237    | 0.20%  | 0.020% |
| 51 | 18.174 | 2475 | 2482 | 2487 | rBV3 | 4311    | 6993    | 0.34%  | 0.033% |
| 52 | 18.362 | 2504 | 2514 | 2521 | rBV6 | 3958    | 7763    | 0.37%  | 0.037% |
| 53 | 18.479 | 2531 | 2534 | 2542 | rVB3 | 1568    | 3182    | 0.15%  | 0.015% |
| 54 | 18.573 | 2542 | 2550 | 2560 | rBV2 | 49055   | 98846   | 4.74%  | 0.466% |
| 55 | 18.650 | 2560 | 2563 | 2576 | rVB  | 11237   | 21387   | 1.02%  | 0.101% |
| 56 | 18.855 | 2594 | 2598 | 2603 | rBV3 | 3143    | 3628    | 0.17%  | 0.017% |
| 57 | 19.431 | 2690 | 2696 | 2701 | rBV6 | 3816    | 8304    | 0.40%  | 0.039% |
| 58 | 19.472 | 2701 | 2703 | 2708 | rVB5 | 2659    | 4108    | 0.20%  | 0.019% |
| 59 | 19.654 | 2731 | 2734 | 2738 | rVB5 | 2569    | 3896    | 0.19%  | 0.018% |
| 60 | 19.731 | 2742 | 2747 | 2755 | rVB3 | 13181   | 24196   | 1.16%  | 0.114% |
| 61 | 19.831 | 2760 | 2764 | 2772 | rBV5 | 14684   | 28542   | 1.37%  | 0.135% |
| 62 | 19.983 | 2783 | 2790 | 2797 | rBV  | 11759   | 21971   | 1.05%  | 0.104% |
| 63 | 20.095 | 2799 | 2809 | 2821 | rBV  | 1426502 | 2079367 | 99.62% | 9.812% |
| 64 | 20.571 | 2888 | 2890 | 2896 | rVB6 | 3638    | 4559    | 0.22%  | 0.022% |
| 65 | 20.665 | 2905 | 2906 | 2911 | rBV5 | 2964    | 4128    | 0.20%  | 0.019% |
| 66 | 20.953 | 2953 | 2955 | 2960 | rBV5 | 2823    | 5401    | 0.26%  | 0.025% |
| 67 | 21.088 | 2975 | 2978 | 2982 | rBV4 | 7033    | 8094    | 0.39%  | 0.038% |
| 68 | 21.129 | 2982 | 2985 | 2989 | rVB5 | 3956    | 5266    | 0.25%  | 0.025% |
| 69 | 21.211 | 2997 | 2999 | 3002 | rVB4 | 2197    | 2807    | 0.13%  | 0.013% |
| 70 | 21.441 | 3031 | 3038 | 3040 | rBV8 | 6042    | 11284   | 0.54%  | 0.053% |
| 71 | 21.493 | 3042 | 3047 | 3058 | rVB9 | 12023   | 38493   | 1.84%  | 0.182% |

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Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 0.1 % of largest Peak  
Start Thrs: 0.1 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG071717.M  
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|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 72 | 21.629 | 3067 | 3070 | 3077 | rVB6 | 7688   | 11305   | 0.54%   | 0.053% |
| 73 | 22.057 | 3135 | 3143 | 3160 | rVB  | 712959 | 1312987 | 62.90%  | 6.195% |
| 74 | 22.210 | 3165 | 3169 | 3173 | rVB3 | 8737   | 11973   | 0.57%   | 0.056% |
| 75 | 22.868 | 3276 | 3281 | 3286 | rVB7 | 10970  | 18634   | 0.89%   | 0.088% |
| 76 | 23.620 | 3402 | 3409 | 3419 | rVB2 | 24919  | 49772   | 2.38%   | 0.235% |
| 77 | 24.490 | 3550 | 3557 | 3570 | rVB2 | 37615  | 89300   | 4.28%   | 0.421% |
| 78 | 24.754 | 3595 | 3602 | 3604 | rBV8 | 6707   | 13621   | 0.65%   | 0.064% |
| 79 | 25.330 | 3688 | 3700 | 3718 | rBV2 | 684433 | 2087358 | 100.00% | 9.849% |
| 80 | 25.571 | 3724 | 3741 | 3756 | rBV2 | 388966 | 1371724 | 65.72%  | 6.472% |
| 81 | 26.770 | 3935 | 3945 | 3959 | rVB5 | 49844  | 163534  | 7.83%   | 0.772% |
| 82 | 28.256 | 4186 | 4198 | 4211 | rVB5 | 44861  | 174686  | 8.37%   | 0.824% |
| 83 | 29.954 | 4485 | 4487 | 4489 | rBV3 | 3298   | 3510    | 0.17%   | 0.017% |
| 84 | 30.042 | 4490 | 4502 | 4519 | rVB6 | 33426  | 148490  | 7.11%   | 0.701% |
| 85 | 31.711 | 4784 | 4786 | 4788 | rBV2 | 4078   | 2793    | 0.13%   | 0.013% |
| 86 | 32.210 | 4860 | 4871 | 4891 | rVB7 | 24848  | 139927  | 6.70%   | 0.660% |

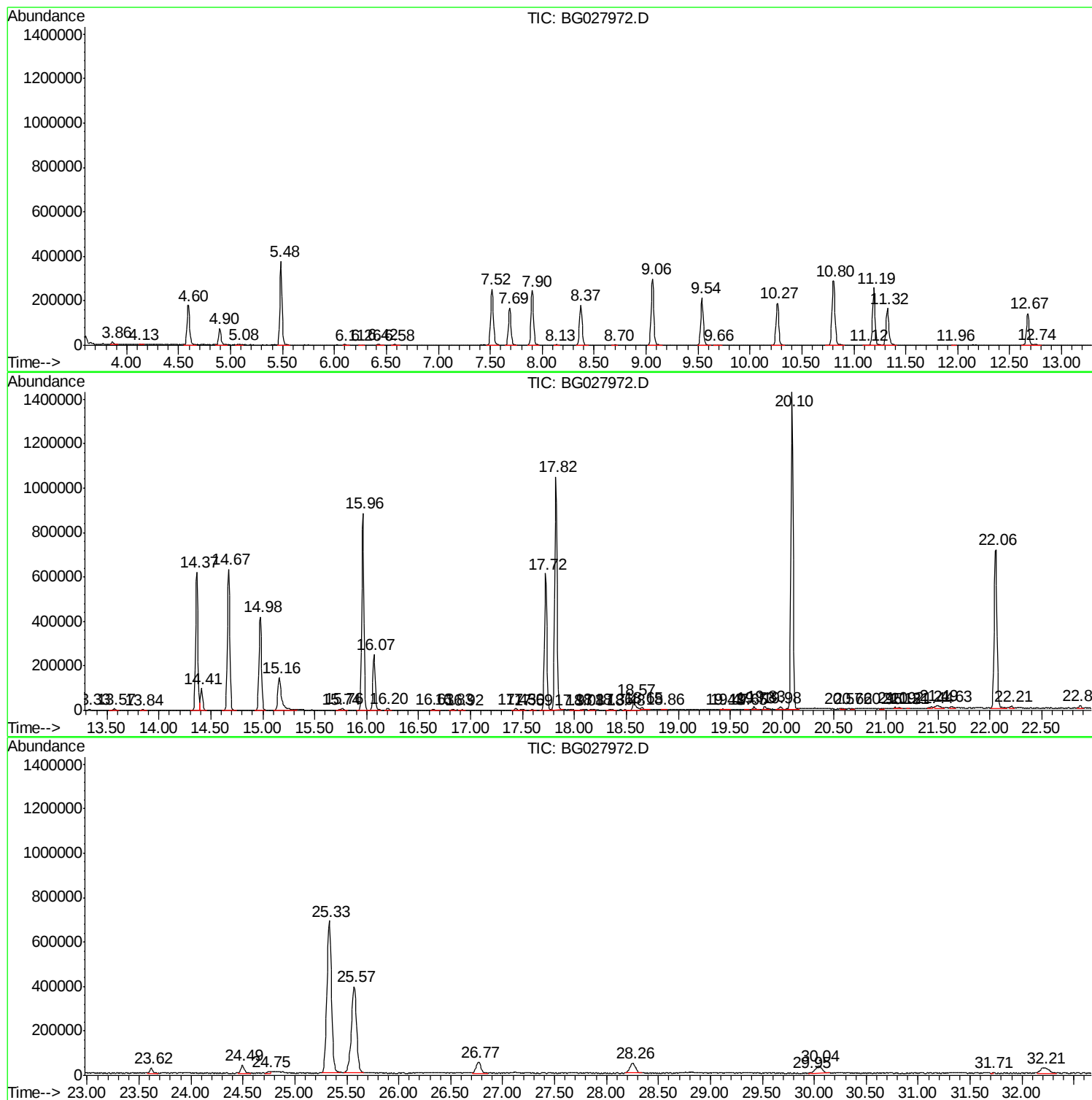
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ALS Vial : 12 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG071717.M  
Quant Title : SVOA CALIBRATION

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



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Instrument :  
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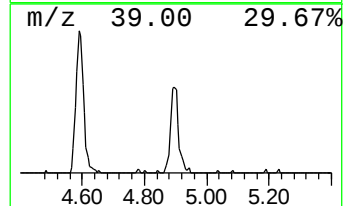
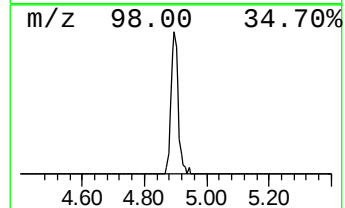
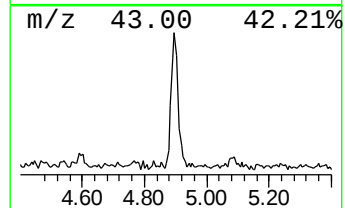
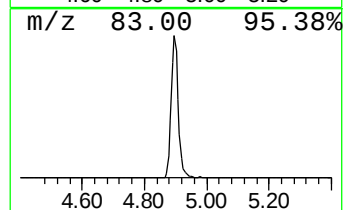
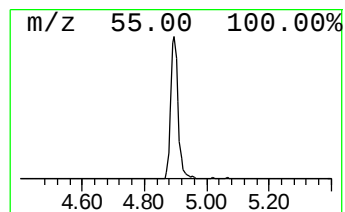
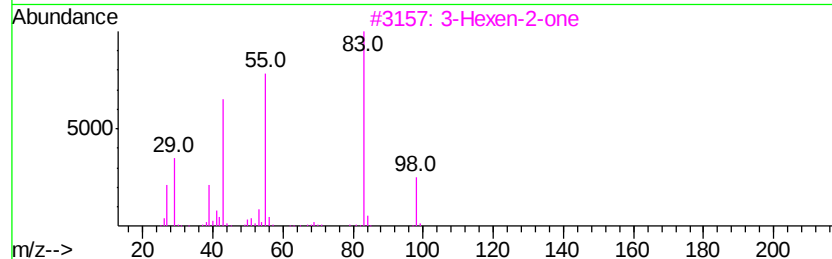
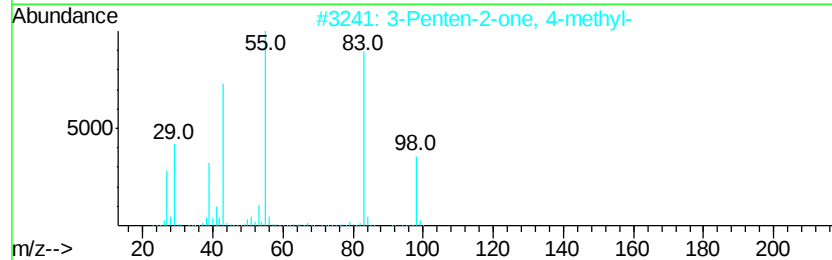
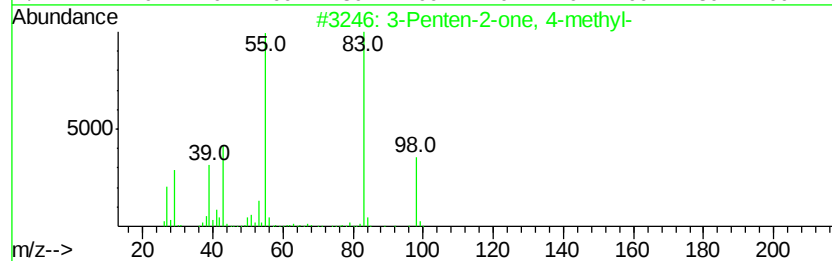
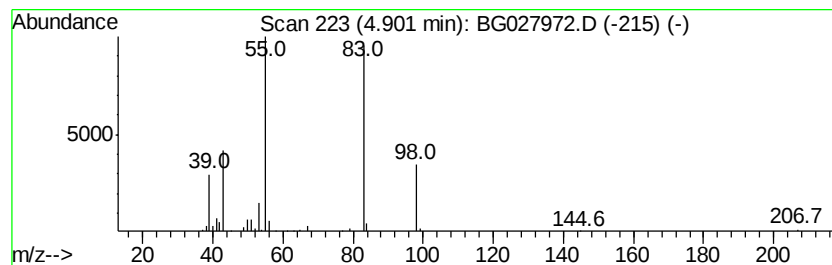
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG071717.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 4

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 4.90 | 7.37 ng/ul | 119745 | 1,4-Dichlorobenzene-d4 | 8.37 |

| Hit# | of | 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 94   |
| 2    |    |   | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 91   |
| 3    |    |   | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 90   |
| 4    |    |   | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0 | 86   |
| 5    |    |   | 2-Pentene, 4,4-dimethyl-, (Z)- | 98 | C7H14   | 000762-63-0 | 86   |



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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG071717.M  
Quant Title : SVOA CALIBRATION

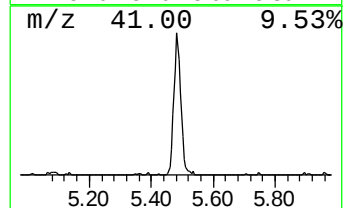
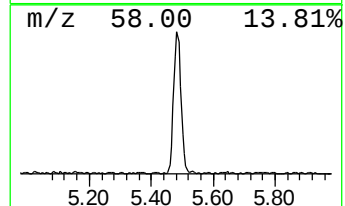
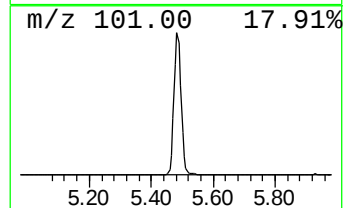
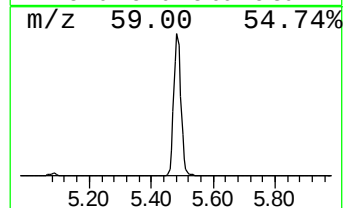
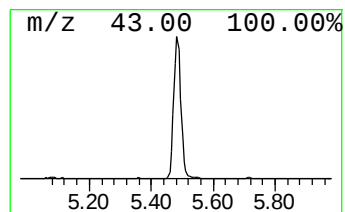
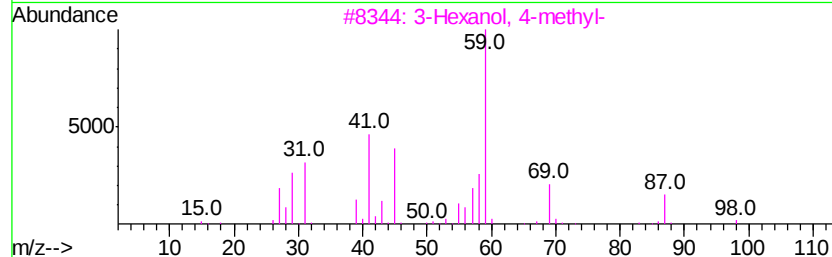
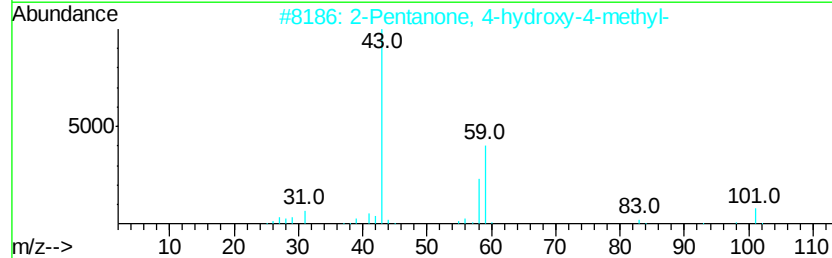
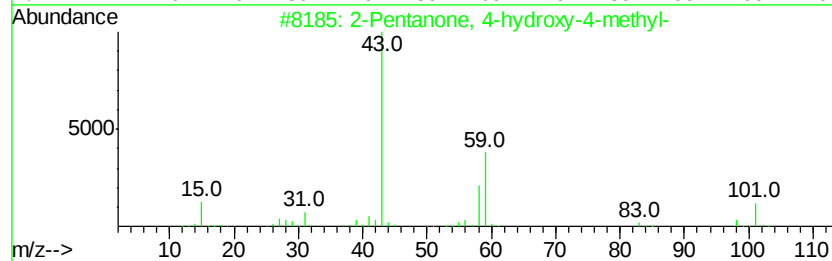
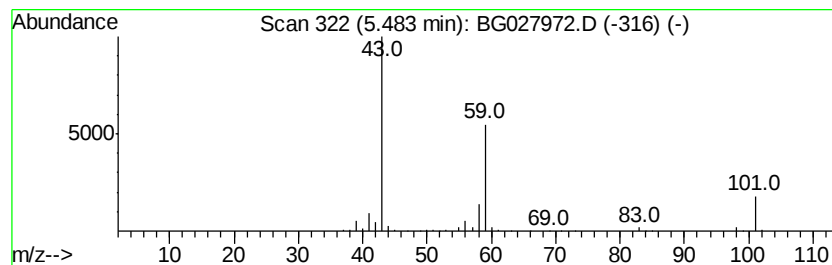
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 5.48 | 36.78 ng/ul | 597167 | 1,4-Dichlorobenzene-d4 | 8.37 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2  | 000123-42-2 | 39   |
| 2    |    | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2  | 000123-42-2 | 38   |
| 3    |    | 3-Hexanol, 4-methyl-               | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2  | 000123-42-2 | 28   |
| 5    |    | Acetic acid, cyano-, 1,1-dimethyl- | 141 | C7H11NO2 | 001116-98-9 | 25   |



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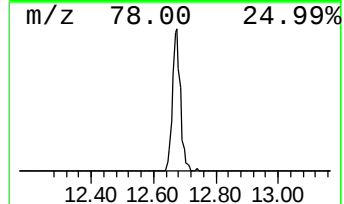
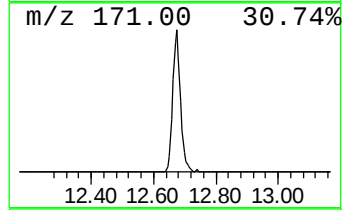
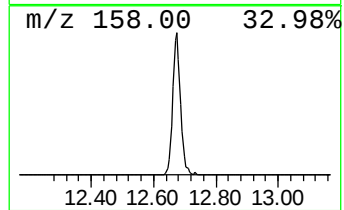
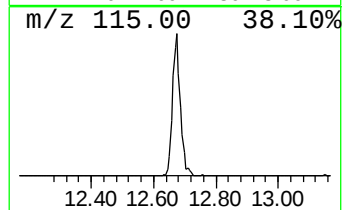
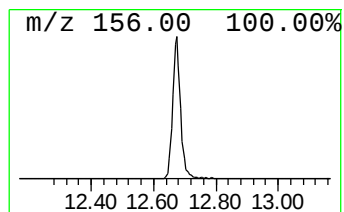
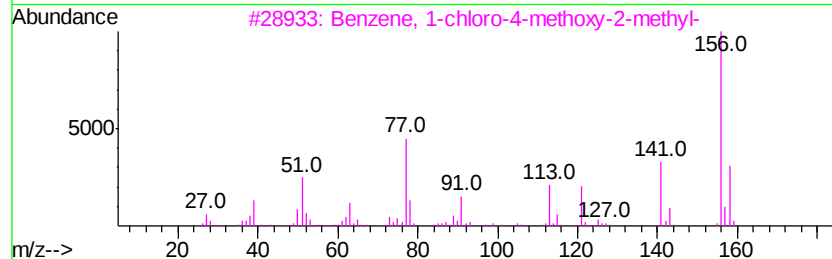
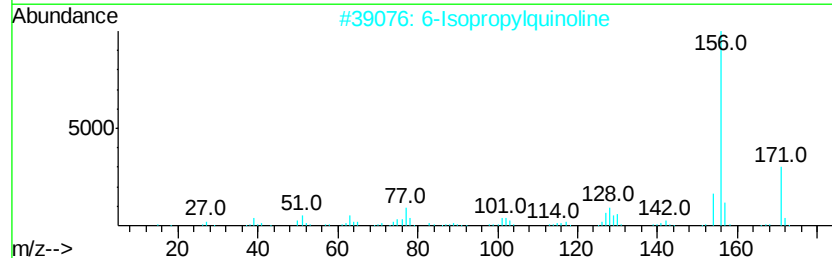
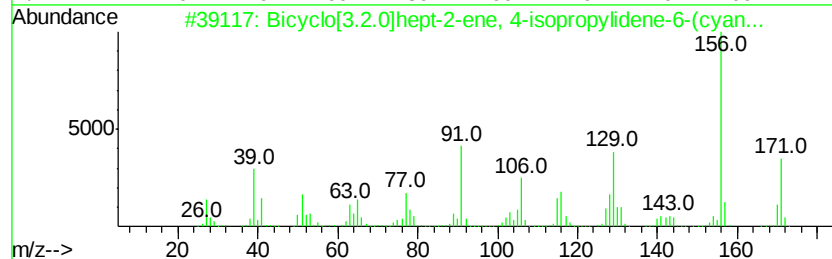
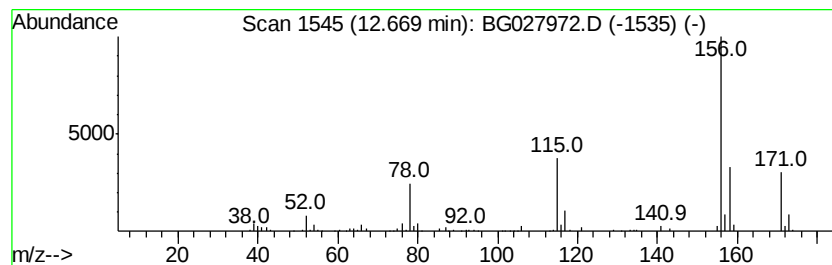
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown01 Concentration Rank 3

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 12.67 | 10.74 ng/ul | 252896 | Naphthalene-d8   | 11.19 |

| Hit# | of | Tentative ID                                          | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Bicyclo[3.2.0]hept-2-ene, 4-isopropylidene-6-(cyan... | 171 | C12H13N   | 1000217-15-6 | 32   |
| 2    |    | 6-Isopropylquinoline                                  | 171 | C12H13N   | 000135-79-5  | 32   |
| 3    |    | Benzene, 1-chloro-4-methoxy-2-me...                   | 156 | C8H9ClO   | 013334-71-9  | 25   |
| 4    |    | 2,2'-Bipyridine                                       | 156 | C10H8N2   | 000366-18-7  | 25   |
| 5    |    | 2-(2-Chloro-pyridin-3-yl)-propan...                   | 171 | C8H10ClNO | 267003-35-0  | 25   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG071917\  
Data File : BG027972.D  
Acq On : 19 Jul 2017 21:34  
Operator : SJ/JU  
Sample : I4213-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B37

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG071717.M  
Quant Title : SVOA CALIBRATION

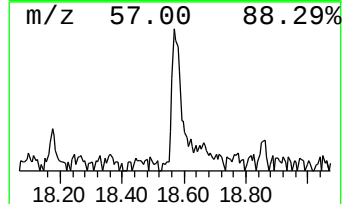
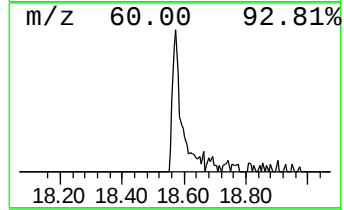
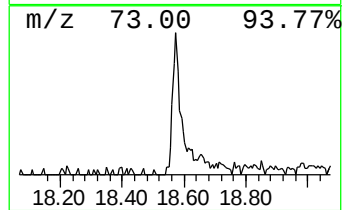
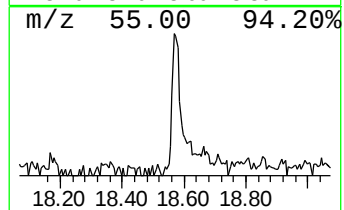
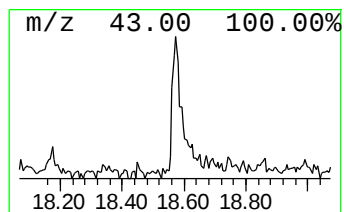
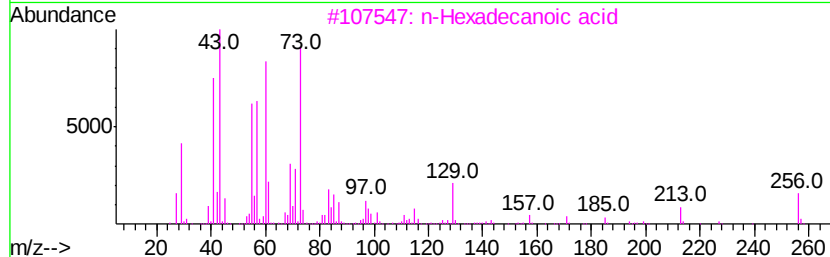
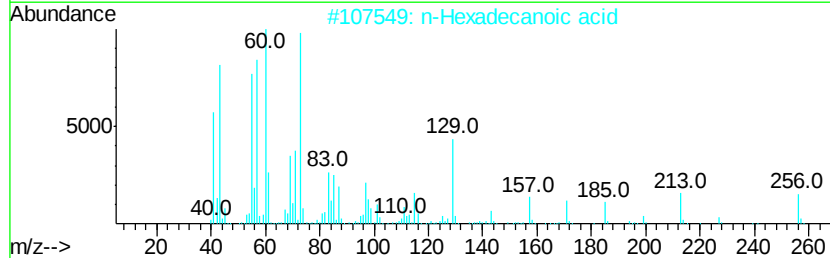
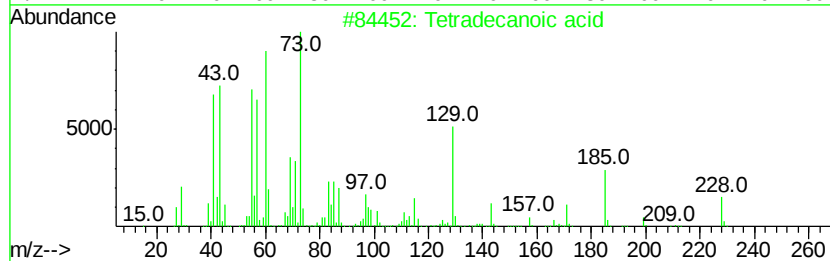
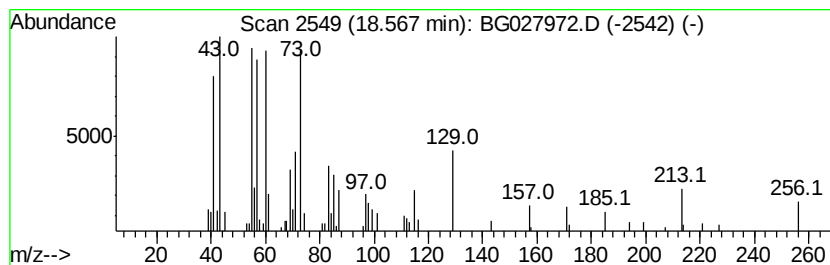
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Tetradecanoic acid Concentration Rank 9

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 18.57 | 2.04 ng/ul | 98846 | Phenanthrene-d10 | 17.72 |

| Hit# of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|-----------|---------------------|-----|----------|-------------|------|
| 1         | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 92   |
| 2         | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 81   |
| 3         | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 76   |
| 4         | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 74   |
| 5         | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 70   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG071917\  
Data File : BG027972.D  
Acq On : 19 Jul 2017 21:34  
Operator : SJ/JU  
Sample : I4213-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B37

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG071717.M  
Quant Title : SVOA CALIBRATION

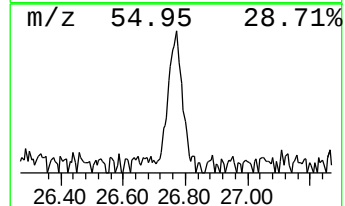
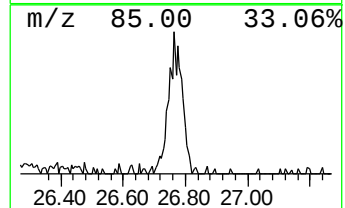
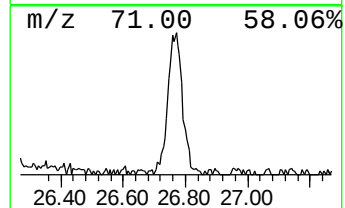
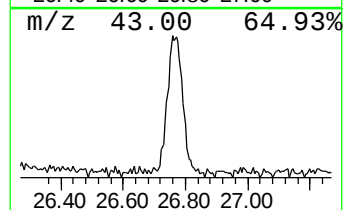
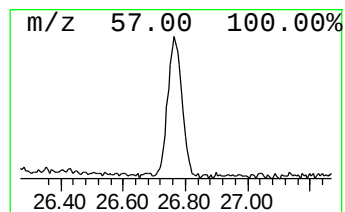
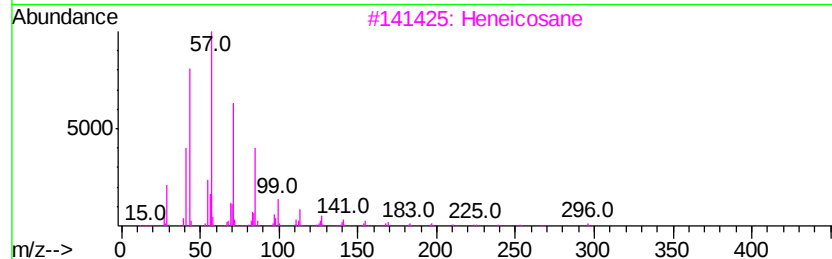
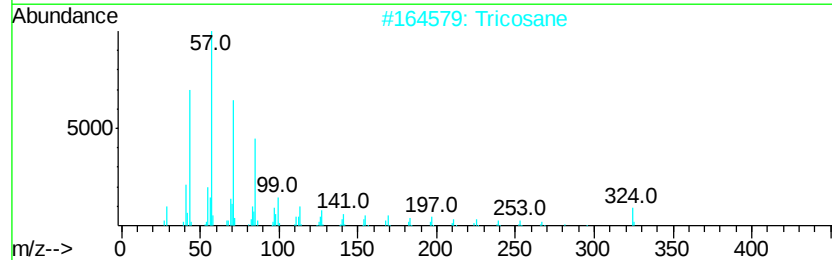
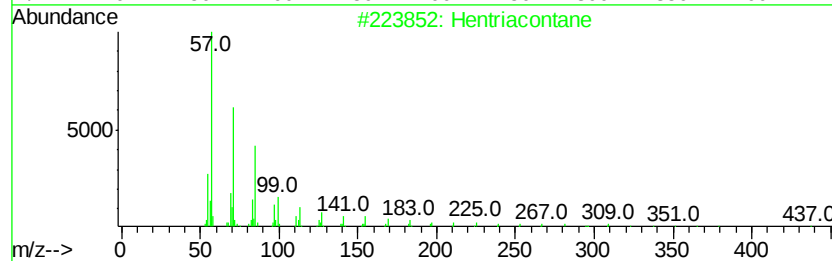
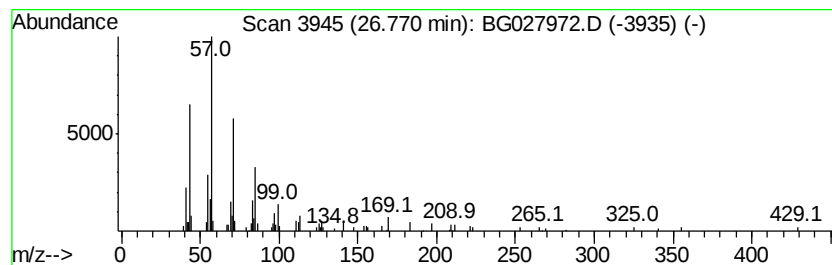
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 26.77 | 2.38 ng/ul | 163534 | Perylene-d12     | 25.57 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Hentriacontane                      | 437 | C31H64    | 000630-04-6  | 87   |
| 2    |    |   | Tricosane                           | 324 | C23H48    | 000638-67-5  | 86   |
| 3    |    |   | Heneicosane                         | 296 | C21H44    | 000629-94-7  | 83   |
| 4    |    |   | Octadecane                          | 254 | C18H38    | 000593-45-3  | 83   |
| 5    |    |   | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 83   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG071917\  
Data File : BG027972.D  
Acq On : 19 Jul 2017 21:34  
Operator : SJ/JU  
Sample : I4213-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B37

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG071717.M  
Quant Title : SVOA CALIBRATION

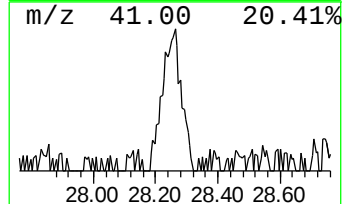
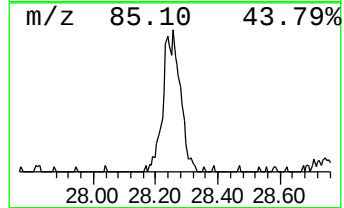
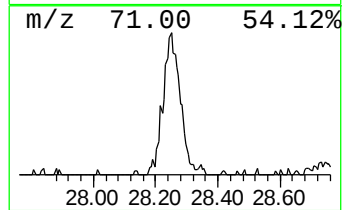
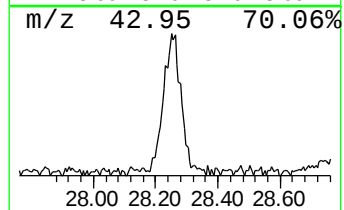
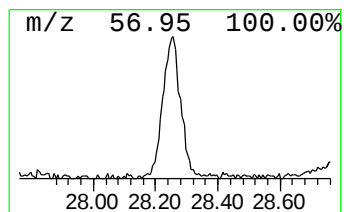
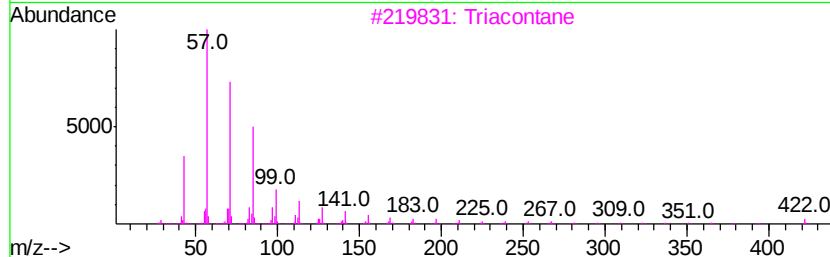
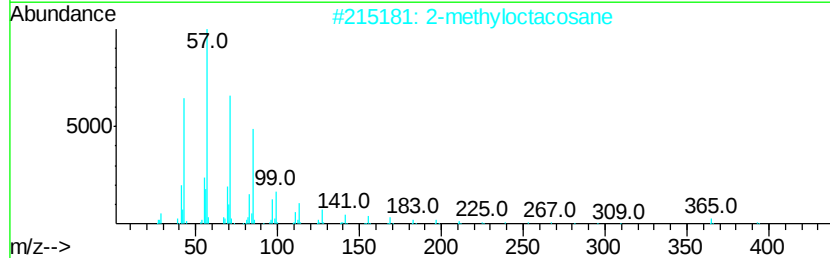
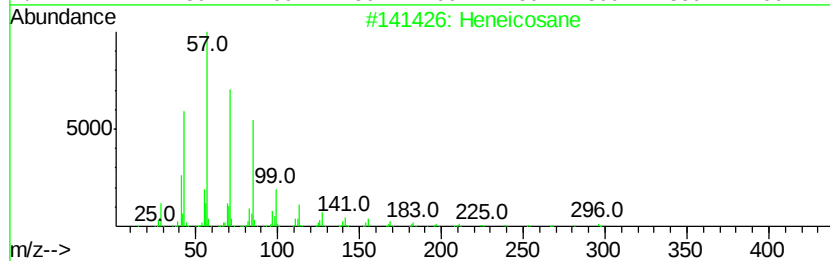
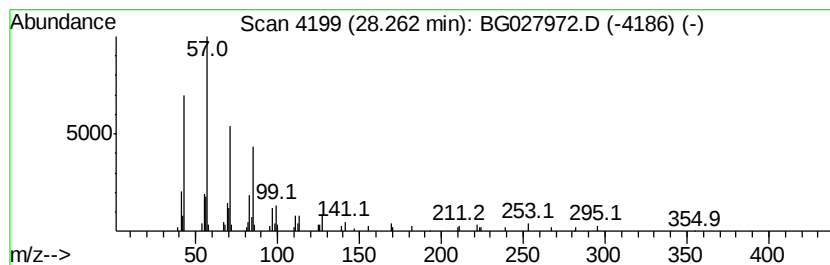
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 28.26 | 2.55 ng/ul | 174686 | Perylene-d12     | 25.57 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Heneicosane        | 296 | C21H44  | 000629-94-7  | 90   |
| 2    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 87   |
| 3    |    | triacontane        | 422 | C30H62  | 000638-68-6  | 87   |
| 4    |    | Eicosane           | 282 | C20H42  | 000112-95-8  | 83   |
| 5    |    | Tetracosane        | 338 | C24H50  | 000646-31-1  | 80   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG071917\  
Data File : BG027972.D  
Acq On : 19 Jul 2017 21:34  
Operator : SJ/JU  
Sample : I4213-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B37

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG071717.M  
Quant Title : SVOA CALIBRATION

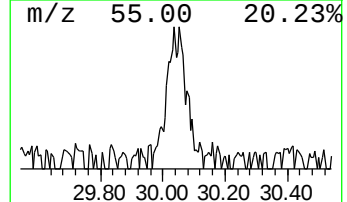
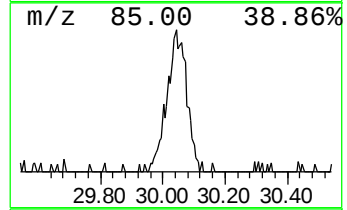
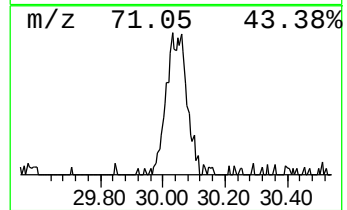
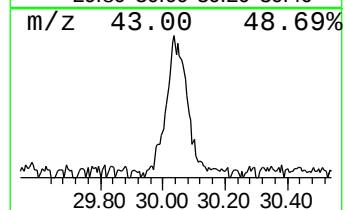
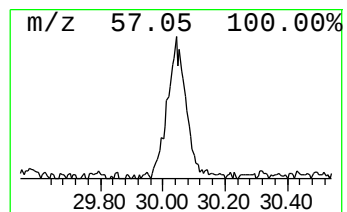
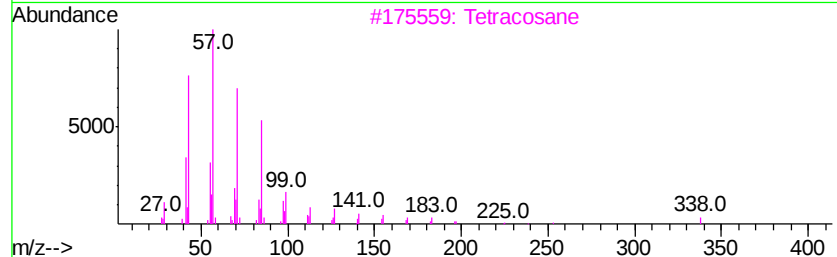
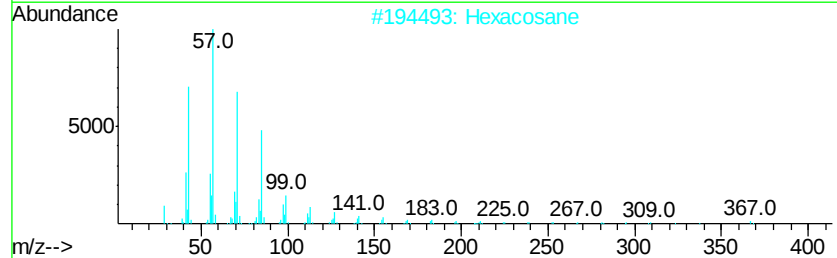
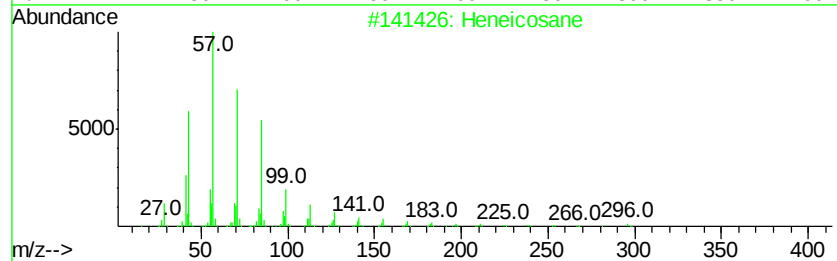
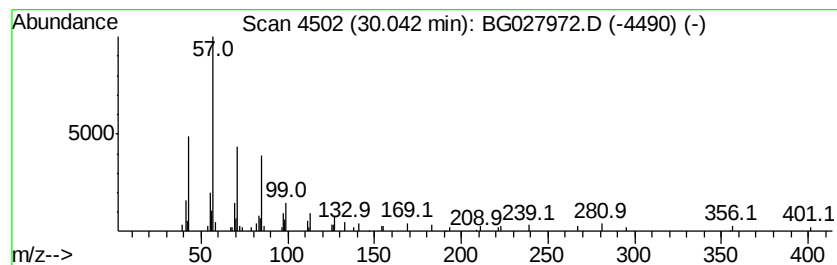
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 30.04 | 2.17 ng/ul | 148490 | Perylene-d12     | 25.57 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane  | 296 | C21H44  | 000629-94-7 | 83   |
| 2    |    | Hexacosane   | 366 | C26H54  | 000630-01-3 | 83   |
| 3    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 83   |
| 4    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 80   |
| 5    |    | Triacontane  | 422 | C30H62  | 000638-68-6 | 80   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG071917\  
Data File : BG027972.D  
Acq On : 19 Jul 2017 21:34  
Operator : SJ/JU  
Sample : I4213-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B37

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG071717.M  
Quant Title : SVOA CALIBRATION

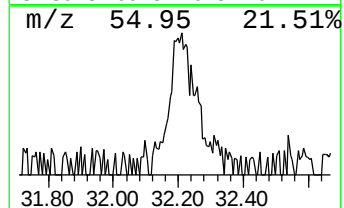
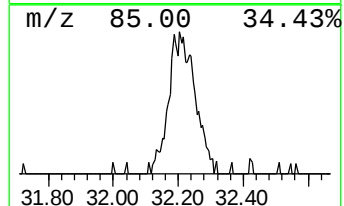
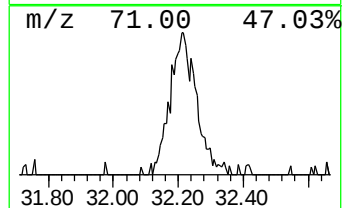
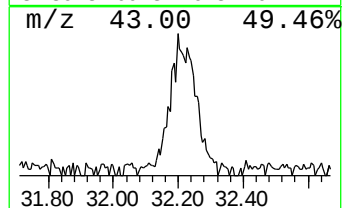
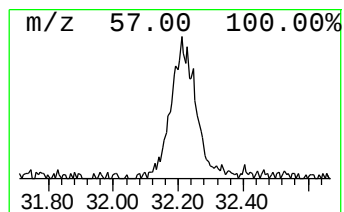
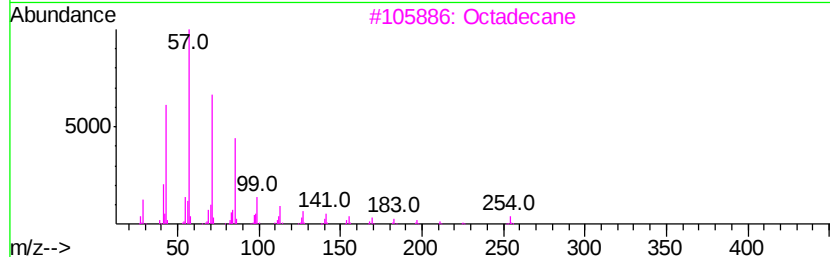
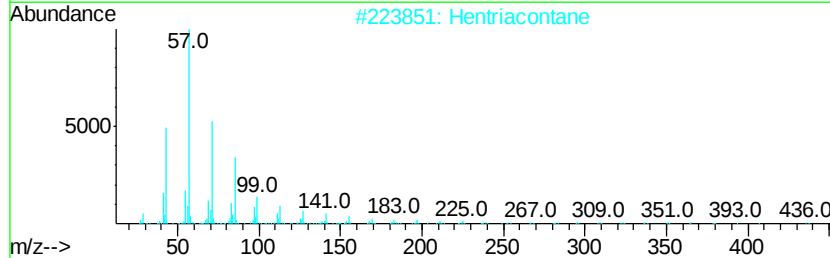
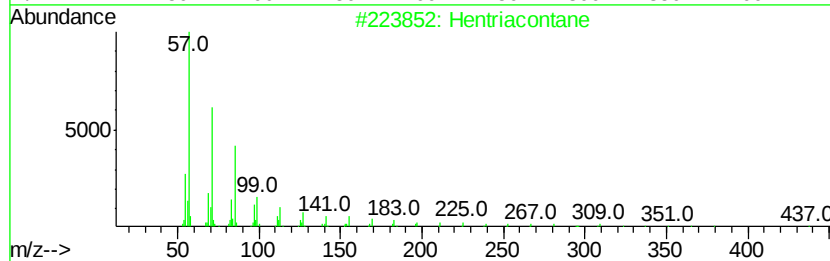
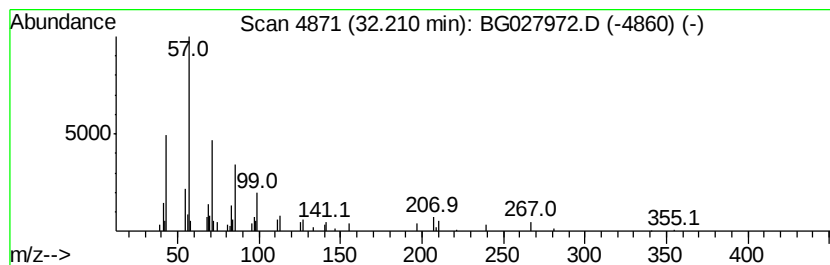
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 32.21 | 2.04 ng/ul | 139927 | Perylene-d12     | 25.57 |

| Hit# | of | 5 | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------|-----|---------|-------------|------|
| 1    |    |   | Hentriacontane | 437 | C31H64  | 000630-04-6 | 64   |
| 2    |    |   | Hentriacontane | 437 | C31H64  | 000630-04-6 | 58   |
| 3    |    |   | Octadecane     | 254 | C18H38  | 000593-45-3 | 58   |
| 4    |    |   | Tetracosane    | 338 | C24H50  | 000646-31-1 | 58   |
| 5    |    |   | Heneicosane    | 296 | C21H44  | 000629-94-7 | 58   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071917\  
Data File : BG027972.D  
Acq On : 19 Jul 2017 21:34  
Operator : SJ/JU  
Sample : I4213-13  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B37

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG071717.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 |
| 3-Penten-2-one, 4... | 4.90  | 7.4     | ng/ul | 119745   | 1                     | 8.37  | 324765  | 20.0 |
| 2-Pentanone, 4-hy... | 5.48  | 36.8    | ng/ul | 597167   | 1                     | 8.37  | 324765  | 20.0 |
| unknown01            | 12.67 | 10.7    | ng/ul | 252896   | 2                     | 11.19 | 470783  | 20.0 |
| Tetradecanoic acid   | 18.57 | 2.0     | ng/ul | 98846    | 4                     | 17.72 | 970331  | 20.0 |
| (DEL) Alkane: Str... | 26.77 | 2.4     | ng/ul | 163534   | 6                     | 25.57 | 1371720 | 20.0 |
| (DEL) Alkane: Str... | 28.26 | 2.5     | ng/ul | 174686   | 6                     | 25.57 | 1371720 | 20.0 |
| (DEL) Alkane: Str... | 30.04 | 2.2     | ng/ul | 148490   | 6                     | 25.57 | 1371720 | 20.0 |
| (DEL) Alkane: Str... | 32.21 | 2.0     | ng/ul | 139927   | 6                     | 25.57 | 1371720 | 20.0 |