

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031319\  
 Data File : BN004745.D  
 Acq On : 14 Mar 2019 00:13  
 Operator : JU/SJ  
 Sample : K1794-12  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BF5N1

## 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\_N\METHODS\SOM-EPA-BN030719MA.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      | 3.140    | 22         | 26       | 28        | rBV2  | 747         | 744        | 0.14%        | 0.010%     |
| 2      | 3.223    | 37         | 40       | 47        | rVB   | 6004        | 7728       | 1.42%        | 0.104%     |
| 3      | 3.646    | 106        | 112      | 116       | rVB   | 1697        | 2431       | 0.45%        | 0.033%     |
| 4      | 3.740    | 124        | 128      | 133       | rVB   | 11463       | 13767      | 2.53%        | 0.185%     |
| 5      | 3.811    | 136        | 140      | 143       | rVV   | 1216        | 1435       | 0.26%        | 0.019%     |
| 6      | 3.846    | 143        | 146      | 148       | rVB   | 961         | 726        | 0.13%        | 0.010%     |
| 7      | 3.952    | 160        | 164      | 167       | rVV   | 1598        | 1928       | 0.35%        | 0.026%     |
| 8      | 4.640    | 279        | 281      | 286       | rVB   | 698         | 1050       | 0.19%        | 0.014%     |
| 9      | 4.693    | 286        | 290      | 292       | rBV   | 652         | 912        | 0.17%        | 0.012%     |
| 10     | 4.840    | 311        | 315      | 319       | rBV   | 1719        | 2552       | 0.47%        | 0.034%     |
| 11     | 4.940    | 330        | 332      | 335       | rBB   | 1620        | 1498       | 0.28%        | 0.020%     |
| 12     | 6.887    | 658        | 663      | 673       | rBB   | 77208       | 128098     | 23.58%       | 1.725%     |
| 13     | 7.058    | 687        | 692      | 700       | rBB   | 63529       | 97987      | 18.04%       | 1.320%     |
| 14     | 7.252    | 719        | 725      | 732       | rBB   | 90980       | 134908     | 24.83%       | 1.817%     |
| 15     | 7.328    | 735        | 738      | 742       | rBB   | 773         | 1198       | 0.22%        | 0.016%     |
| 16     | 7.716    | 799        | 804      | 811       | rBB   | 120808      | 188682     | 34.73%       | 2.541%     |
| 17     | 8.422    | 918        | 924      | 932       | rBB   | 93874       | 147543     | 27.16%       | 1.987%     |
| 18     | 8.881    | 996        | 1002     | 1009      | rBB   | 81054       | 123661     | 22.76%       | 1.665%     |
| 19     | 9.234    | 1059       | 1062     | 1065      | rBB   | 2129        | 2678       | 0.49%        | 0.036%     |
| 20     | 9.593    | 1118       | 1123     | 1130      | rBB   | 66466       | 102082     | 18.79%       | 1.375%     |
| 21     | 10.134   | 1208       | 1215     | 1226      | rBV   | 92990       | 166184     | 30.59%       | 2.238%     |
| 22     | 10.505   | 1271       | 1278     | 1285      | rBB   | 176941      | 291173     | 53.59%       | 3.921%     |
| 23     | 10.652   | 1297       | 1303     | 1318      | rBV   | 43354       | 74813      | 13.77%       | 1.007%     |
| 24     | 12.034   | 1533       | 1538     | 1543      | rBB   | 9859        | 14917      | 2.75%        | 0.201%     |
| 25     | 12.093   | 1546       | 1548     | 1552      | rBB   | 1187        | 1535       | 0.28%        | 0.021%     |
| 26     | 13.769   | 1827       | 1833     | 1838      | rBV   | 214492      | 287568     | 52.93%       | 3.873%     |
| 27     | 13.816   | 1838       | 1841     | 1846      | rVB   | 37159       | 46971      | 8.65%        | 0.633%     |
| 28     | 14.051   | 1875       | 1881     | 1893      | rBB   | 231987      | 339191     | 62.43%       | 4.568%     |
| 29     | 14.363   | 1928       | 1934     | 1940      | rBB2  | 274412      | 397467     | 73.16%       | 5.353%     |
| 30     | 14.593   | 1968       | 1973     | 1987      | rBV2  | 22586       | 48864      | 8.99%        | 0.658%     |
| 31     | 15.357   | 2097       | 2103     | 2111      | rBV   | 320300      | 460059     | 84.68%       | 6.196%     |
| 32     | 15.416   | 2111       | 2113     | 2115      | rVB   | 652         | 596        | 0.11%        | 0.008%     |
| 33     | 15.481   | 2119       | 2124     | 2129      | rBV   | 67334       | 87018      | 16.02%       | 1.172%     |
| 34     | 15.592   | 2141       | 2143     | 2146      | rBB   | 1690        | 1809       | 0.33%        | 0.024%     |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 35 | 16.057 | 2219 | 2222 | 2227 | rBB  | 1590   | 2318   | 0.43%   | 0.031% |
| 36 | 16.710 | 2329 | 2333 | 2336 | rBB  | 1488   | 1883   | 0.35%   | 0.025% |
| 37 | 16.863 | 2354 | 2359 | 2361 | rBB  | 3392   | 4164   | 0.77%   | 0.056% |
| 38 | 16.898 | 2362 | 2365 | 2367 | rBB  | 939    | 871    | 0.16%   | 0.012% |
| 39 | 16.992 | 2379 | 2381 | 2386 | rBB  | 2138   | 2760   | 0.51%   | 0.037% |
| 40 | 17.110 | 2395 | 2401 | 2411 | rBV  | 351427 | 479077 | 88.18%  | 6.452% |
| 41 | 17.204 | 2411 | 2417 | 2431 | rVB  | 337856 | 489896 | 90.17%  | 6.597% |
| 42 | 17.386 | 2445 | 2448 | 2450 | rBB  | 788    | 811    | 0.15%   | 0.011% |
| 43 | 17.581 | 2480 | 2481 | 2484 | rBB  | 1693   | 1486   | 0.27%   | 0.020% |
| 44 | 17.763 | 2511 | 2512 | 2514 | rBB  | 994    | 586    | 0.11%   | 0.008% |
| 45 | 17.875 | 2527 | 2531 | 2537 | rBV  | 3164   | 4809   | 0.89%   | 0.065% |
| 46 | 17.934 | 2538 | 2541 | 2546 | rBV  | 1798   | 1878   | 0.35%   | 0.025% |
| 47 | 17.992 | 2546 | 2551 | 2561 | rBV  | 77566  | 119864 | 22.06%  | 1.614% |
| 48 | 18.063 | 2561 | 2563 | 2570 | rVB  | 3610   | 6245   | 1.15%   | 0.084% |
| 49 | 18.198 | 2584 | 2586 | 2589 | rVB2 | 716    | 745    | 0.14%   | 0.010% |
| 50 | 18.286 | 2596 | 2601 | 2606 | rBV3 | 3648   | 8353   | 1.54%   | 0.112% |
| 51 | 18.428 | 2620 | 2625 | 2627 | rBV3 | 551    | 937    | 0.17%   | 0.013% |
| 52 | 18.481 | 2630 | 2634 | 2640 | rVB2 | 5579   | 7219   | 1.33%   | 0.097% |
| 53 | 18.528 | 2640 | 2642 | 2643 | rBV2 | 1248   | 1028   | 0.19%   | 0.014% |
| 54 | 18.586 | 2649 | 2652 | 2653 | rBV2 | 808    | 616    | 0.11%   | 0.008% |
| 55 | 18.604 | 2653 | 2655 | 2656 | rBV2 | 781    | 611    | 0.11%   | 0.008% |
| 56 | 18.669 | 2662 | 2666 | 2667 | rBV2 | 1286   | 1334   | 0.25%   | 0.018% |
| 57 | 18.704 | 2667 | 2672 | 2674 | rBV4 | 2813   | 4460   | 0.82%   | 0.060% |
| 58 | 18.839 | 2692 | 2695 | 2697 | rBV3 | 783    | 1095   | 0.20%   | 0.015% |
| 59 | 18.892 | 2700 | 2704 | 2706 | rVV  | 3639   | 4299   | 0.79%   | 0.058% |
| 60 | 18.916 | 2706 | 2708 | 2712 | rVB3 | 2180   | 2264   | 0.42%   | 0.030% |
| 61 | 19.022 | 2719 | 2726 | 2732 | rBV4 | 2662   | 7391   | 1.36%   | 0.100% |
| 62 | 19.139 | 2742 | 2746 | 2748 | rBV3 | 5201   | 7290   | 1.34%   | 0.098% |
| 63 | 19.175 | 2748 | 2752 | 2756 | rVB  | 9150   | 15937  | 2.93%   | 0.215% |
| 64 | 19.281 | 2765 | 2770 | 2779 | rBV  | 43305  | 65606  | 12.08%  | 0.884% |
| 65 | 19.392 | 2787 | 2789 | 2793 | rVB  | 4522   | 4685   | 0.86%   | 0.063% |
| 66 | 19.510 | 2803 | 2809 | 2817 | rBV  | 402629 | 543293 | 100.00% | 7.316% |
| 67 | 20.433 | 2964 | 2966 | 2969 | rVB  | 9020   | 8754   | 1.61%   | 0.118% |
| 68 | 20.998 | 3059 | 3062 | 3070 | rBV3 | 28324  | 43477  | 8.00%   | 0.585% |
| 69 | 21.204 | 3094 | 3097 | 3103 | rVB  | 28822  | 33330  | 6.13%   | 0.449% |
| 70 | 21.304 | 3109 | 3114 | 3120 | rBV  | 377597 | 492368 | 90.63%  | 6.631% |
| 71 | 21.869 | 3208 | 3210 | 3214 | rVB  | 24458  | 24572  | 4.52%   | 0.331% |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 22.333 | 3286 | 3289 | 3293 | rVB  | 31130  | 37127  | 6.83%  | 0.500% |
| 73 | 22.839 | 3371 | 3375 | 3380 | rVB  | 43436  | 62110  | 11.43% | 0.836% |
| 74 | 23.416 | 3467 | 3473 | 3486 | rVB2 | 253506 | 509061 | 93.70% | 6.855% |
| 75 | 23.563 | 3492 | 3498 | 3506 | rVB2 | 240579 | 458905 | 84.47% | 6.180% |
| 76 | 24.057 | 3577 | 3582 | 3589 | rVB  | 45842  | 88981  | 16.38% | 1.198% |
| 77 | 24.804 | 3703 | 3709 | 3716 | rBV  | 26542  | 65079  | 11.98% | 0.876% |
| 78 | 25.263 | 3782 | 3787 | 3795 | rVB5 | 21662  | 45992  | 8.47%  | 0.619% |
| 79 | 25.674 | 3852 | 3857 | 3865 | rVB2 | 22961  | 56281  | 10.36% | 0.758% |
| 80 | 26.274 | 3951 | 3959 | 3970 | rVB2 | 69294  | 198540 | 36.54% | 2.674% |
| 81 | 26.604 | 4008 | 4015 | 4024 | rBV4 | 48553  | 136539 | 25.13% | 1.839% |
| 82 | 28.198 | 4274 | 4286 | 4297 | rBV2 | 55031  | 190951 | 35.15% | 2.572% |

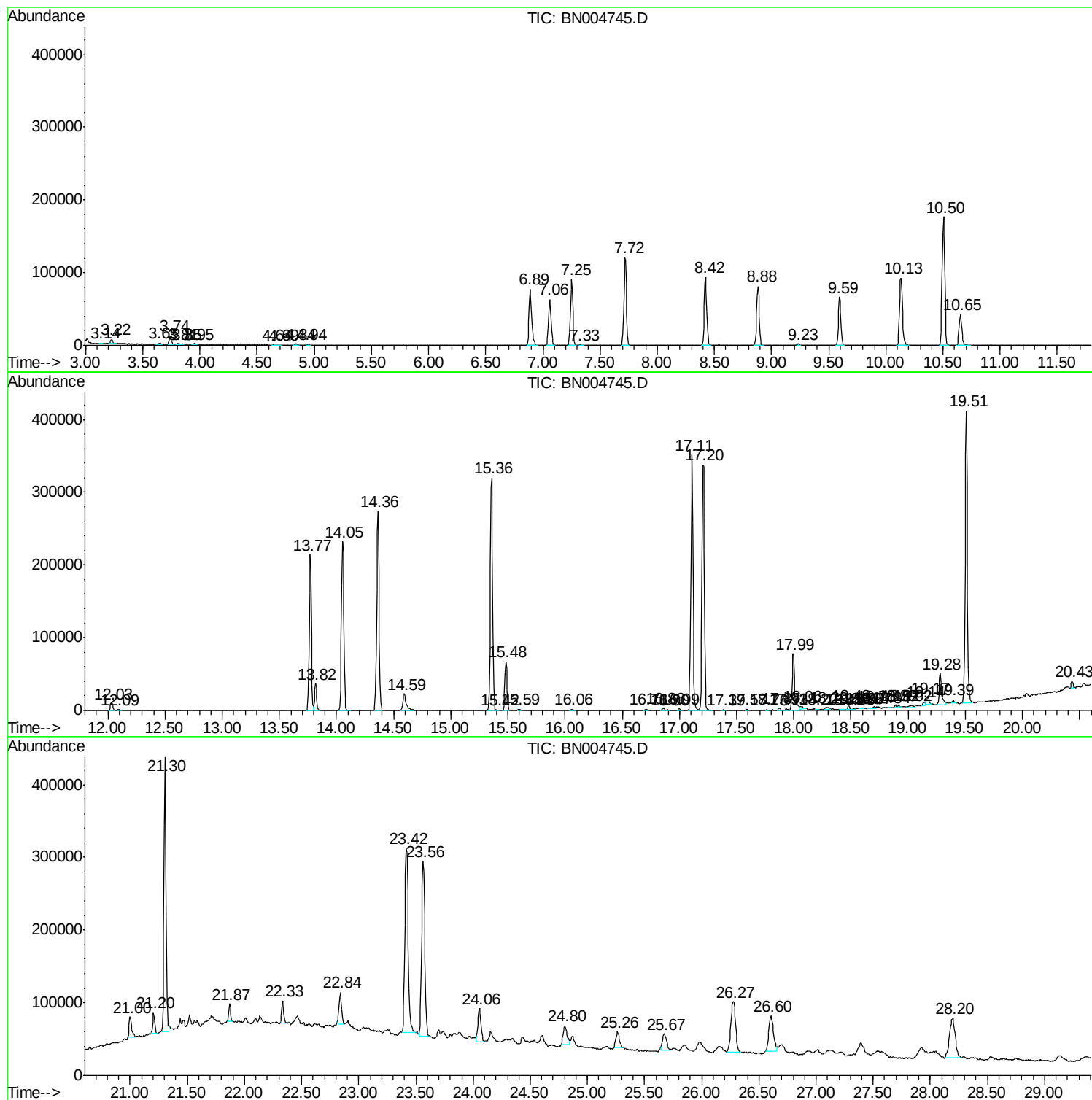
Sum of corrected areas: 7425651

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

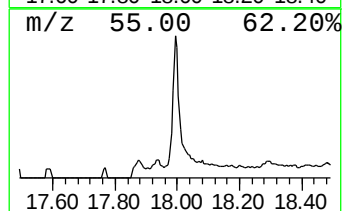
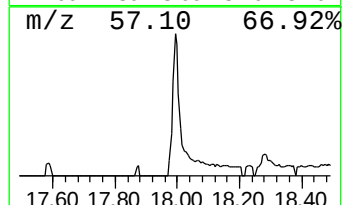
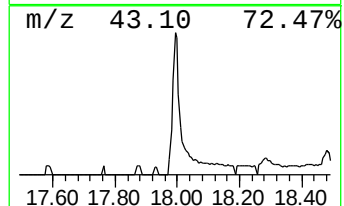
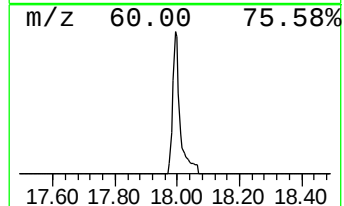
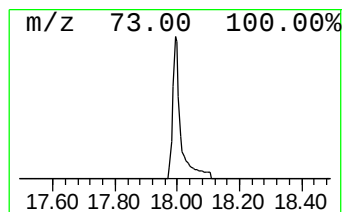
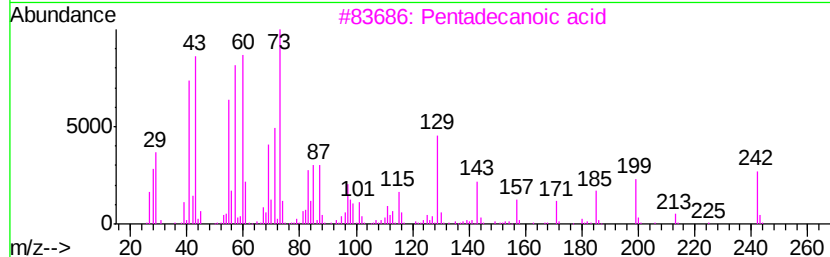
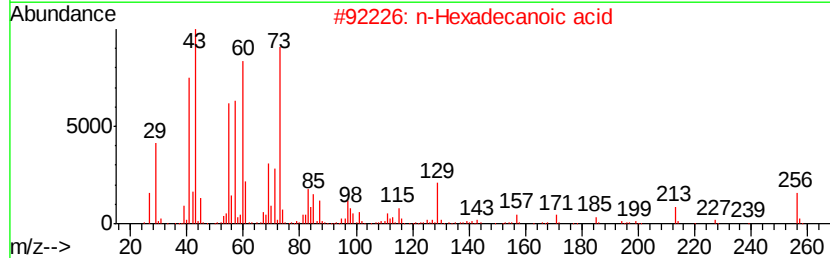
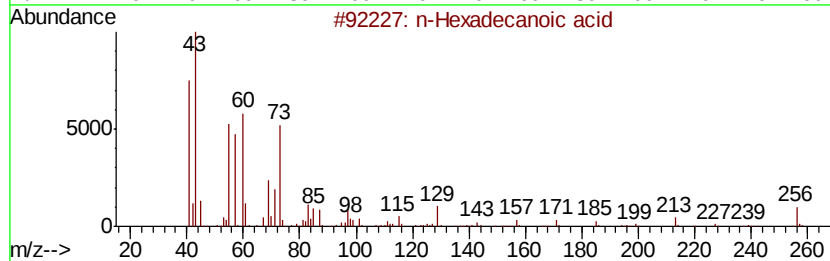
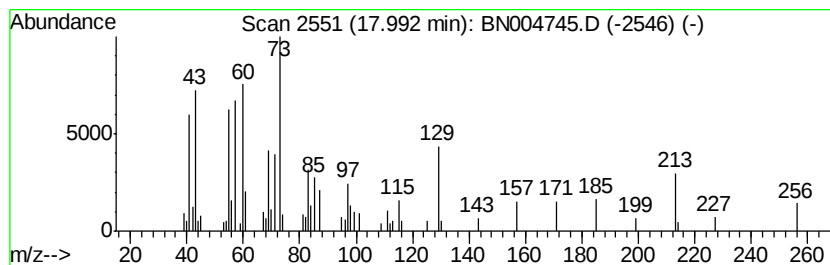
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.99 | 5.00 ng/ul | 119864 | Phenanthrene-d10 | 17.11 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 86   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 83   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 81   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 81   |



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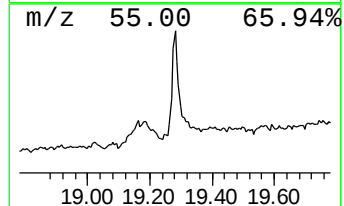
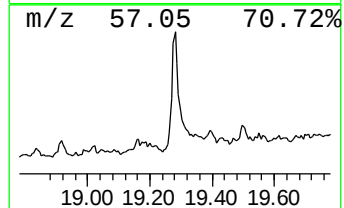
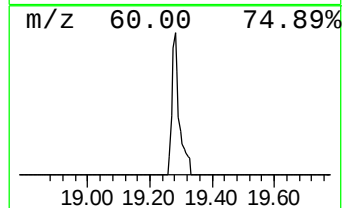
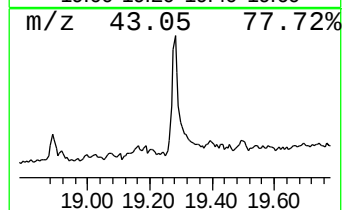
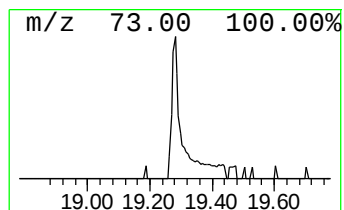
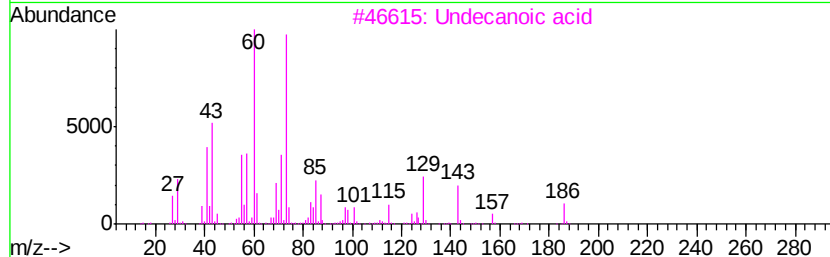
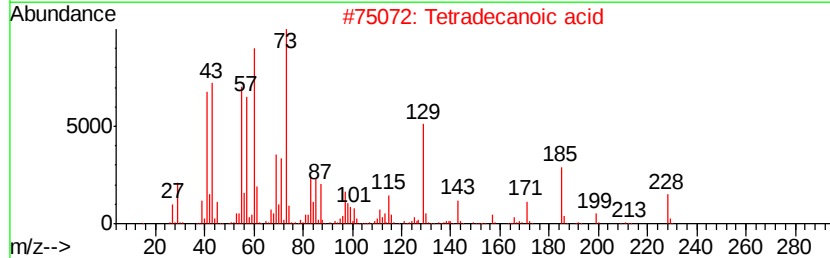
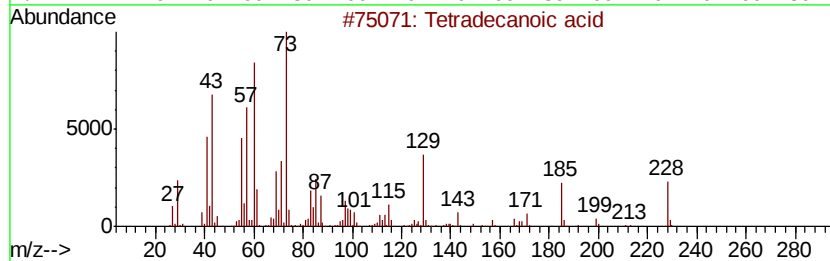
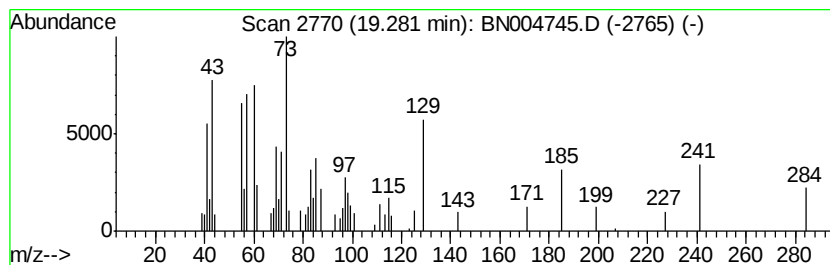
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Tetradecanoic acid Concentration Rank 8

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 19.28 | 2.66 ng/ul | 65606 | Chrysene-d12     | 21.30 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------|-----|----------|-------------|------|
| 1    | 5  | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 59   |
| 2    |    | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 53   |
| 3    |    | Undecanoic acid    | 186 | C11H22O2 | 000112-37-8 | 47   |
| 4    |    | n-Decanoic acid    | 172 | C10H20O2 | 000334-48-5 | 47   |
| 5    |    | n-Decanoic acid    | 172 | C10H20O2 | 000334-48-5 | 47   |



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Quant Title : SVOA CALIBRATION

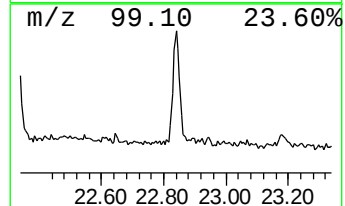
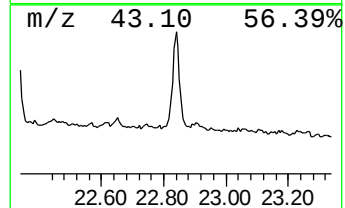
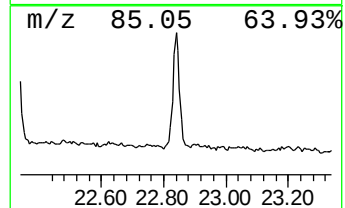
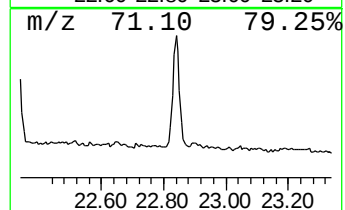
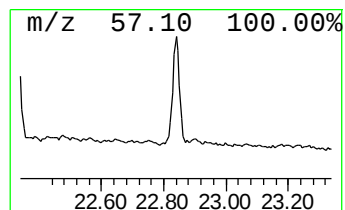
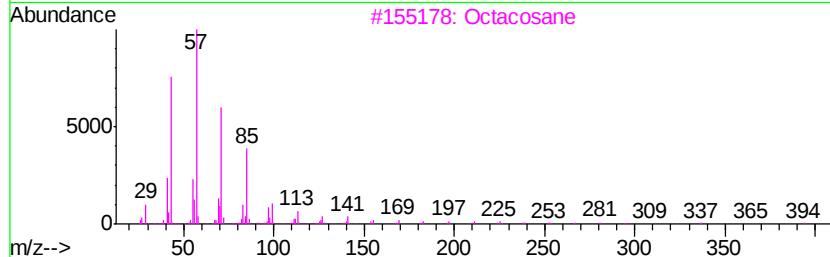
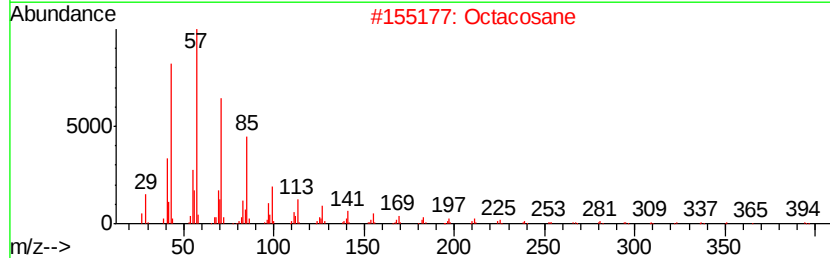
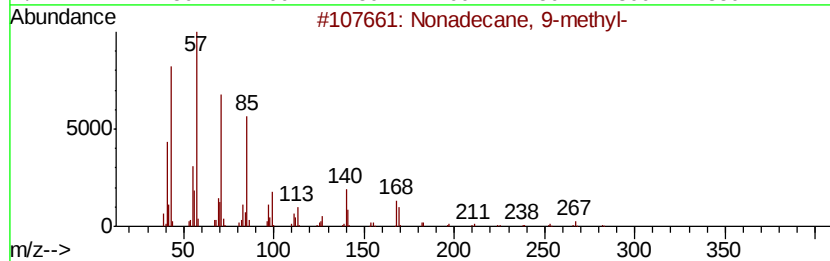
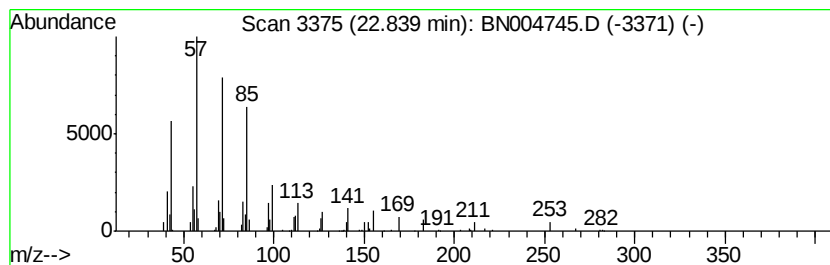
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 22.84 | 2.71 ng/ul | 62110 | Perylene-d12     | 23.56 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane, 9-methyl- | 282 | C20H42  | 013287-24-6 | 93   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    | Eicosane              | 282 | C20H42  | 000112-95-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031319\  
Data File : BN004745.D  
Acq On : 14 Mar 2019 00:13  
Operator : JU/SJ  
Sample : K1794-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BF5N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

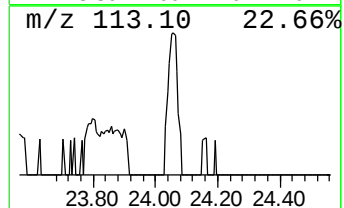
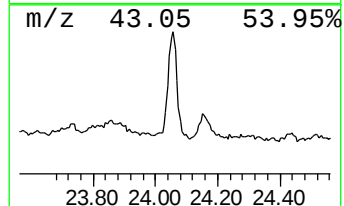
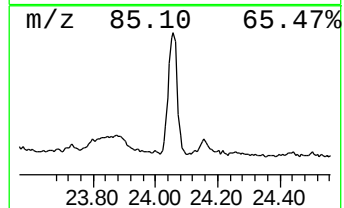
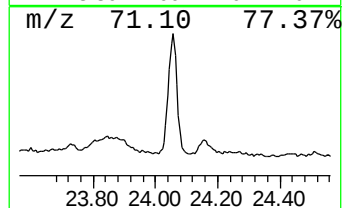
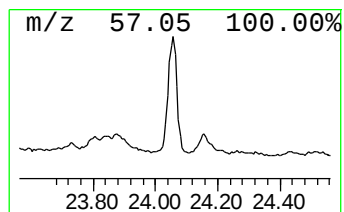
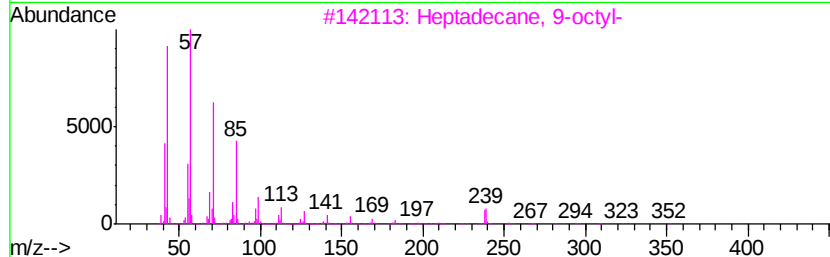
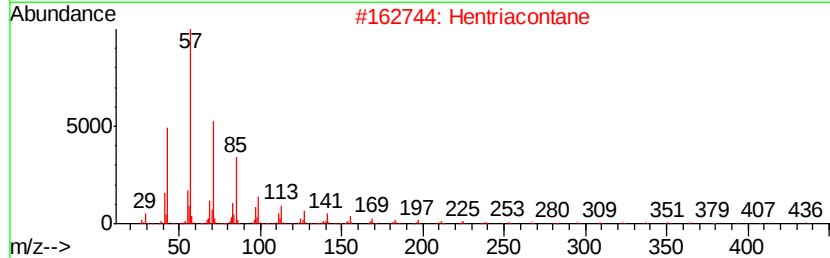
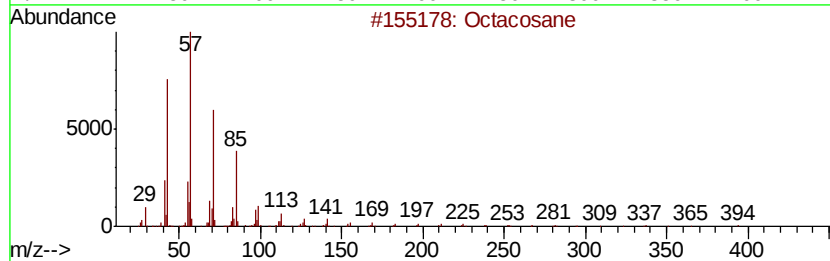
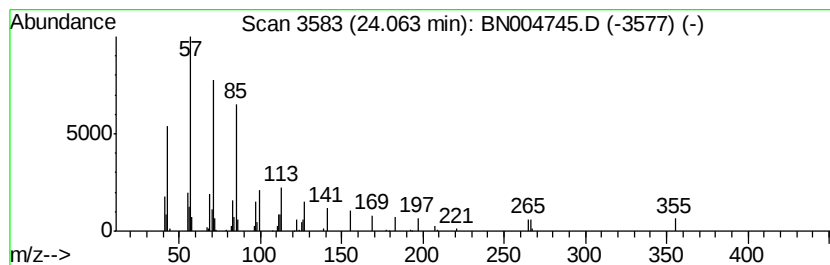
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 24.06 | 3.88 ng/ul | 88981 | Perylene-d12     | 23.56 |

| Hit# of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------|-----|---------|-------------|------|
| 1       |   | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 2       |   | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 91   |
| 3       |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 4       |   | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 90   |
| 5       |   | Tetracosane           | 338 | C24H50  | 000646-31-1 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031319\  
Data File : BN004745.D  
Acq On : 14 Mar 2019 00:13  
Operator : JU/SJ  
Sample : K1794-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BF5N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

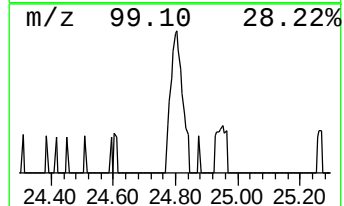
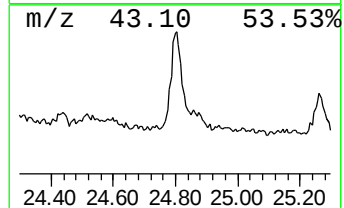
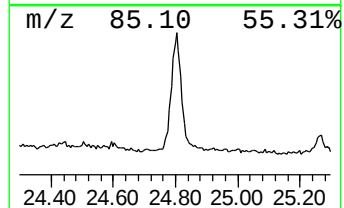
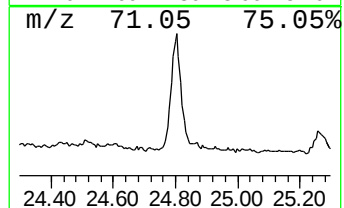
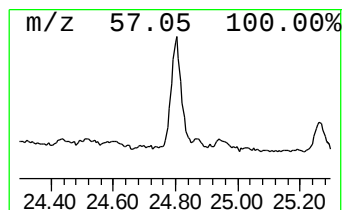
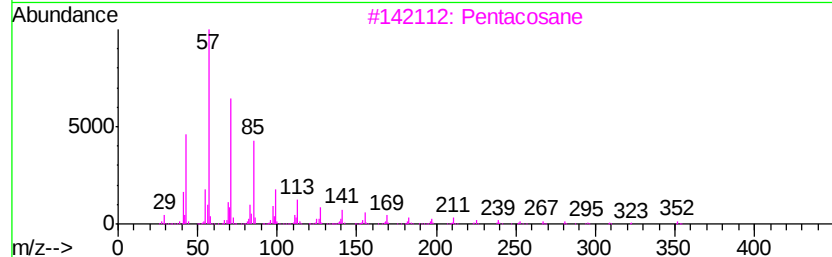
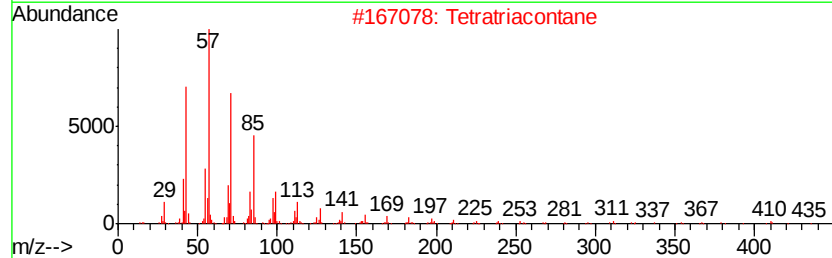
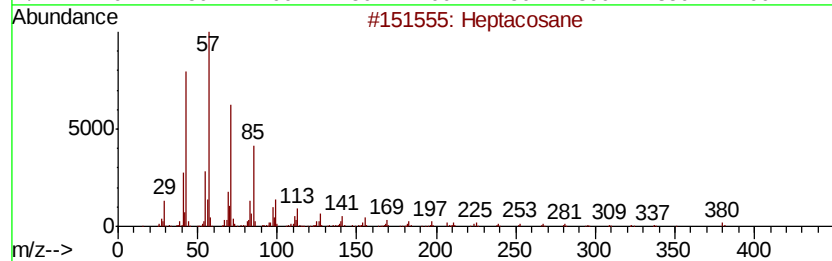
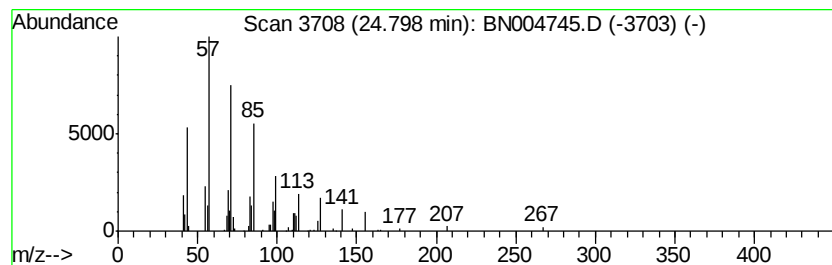
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 24.80 | 2.84 ng/ul | 65079 | Perylene-d12     | 23.56 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane      | 380 | C27H56  | 000593-49-7 | 91   |
| 2    |    | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 91   |
| 3    |    | Pentacosane      | 352 | C25H52  | 000629-99-2 | 91   |
| 4    |    | Octacosane       | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Hexatriacontane  | 507 | C36H74  | 000630-06-8 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN031319\  
Data File : BN004745.D  
Acq On : 14 Mar 2019 00:13  
Operator : JU/SJ  
Sample : K1794-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BF5N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

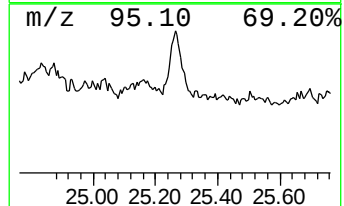
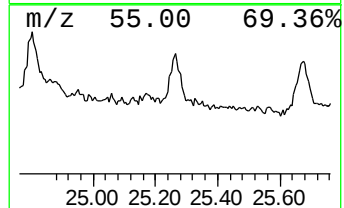
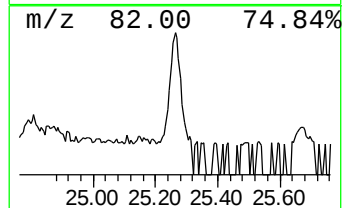
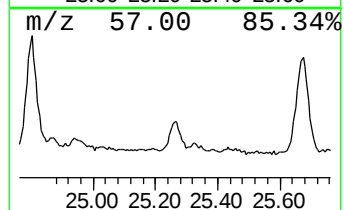
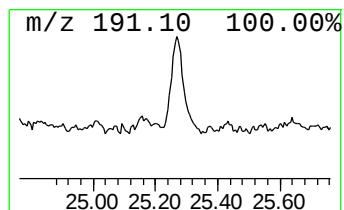
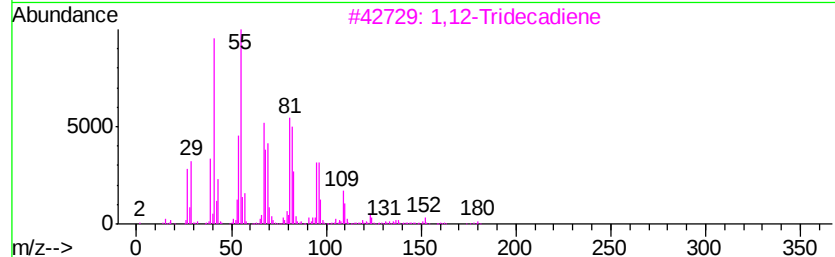
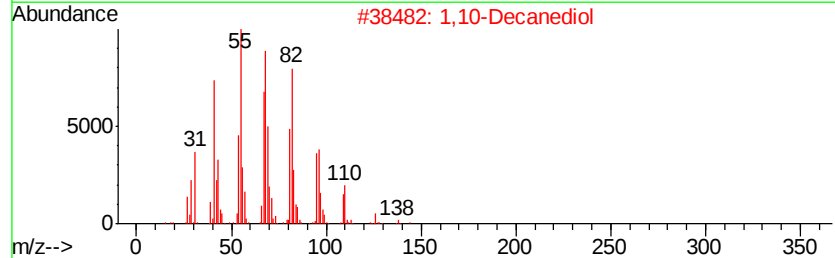
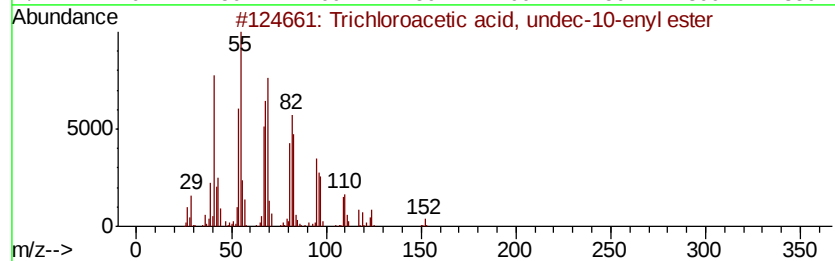
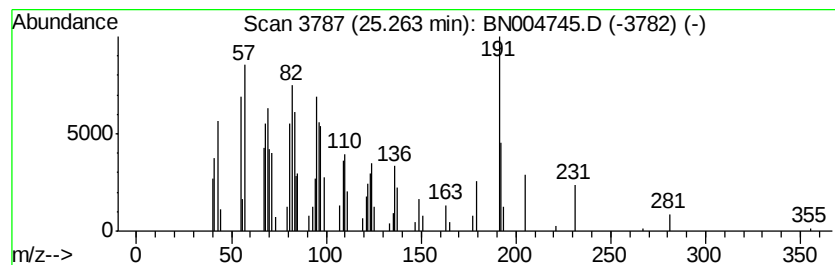
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 unknown-01 Concentration Rank 10

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 25.26 | 2.00 ng/ul | 45992 | Perylene-d12     | 23.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Trichloroacetic acid, undec-10-e... | 314 | C13H21Cl3O2 | 1000280-51-3 | 43   |
| 2    |    | 1,10-Decanediol                     | 174 | C10H22O2    | 000112-47-0  | 38   |
| 3    |    | 1,12-Tridecadiene                   | 180 | C13H24      | 021964-48-7  | 35   |
| 4    |    | Olevl Alcohol                       | 268 | C18H36O     | 000143-28-2  | 35   |
| 5    |    | Decanenitrile                       | 153 | C10H19N     | 001975-78-6  | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031319\  
Data File : BN004745.D  
Acq On : 14 Mar 2019 00:13  
Operator : JU/SJ  
Sample : K1794-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BF5N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

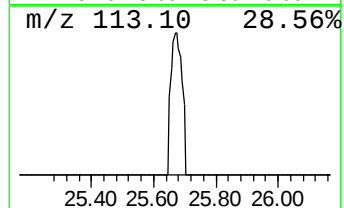
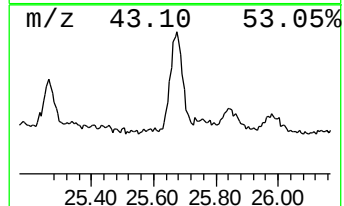
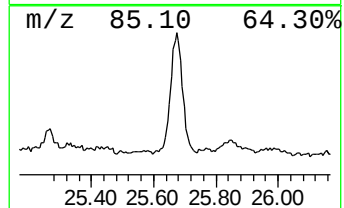
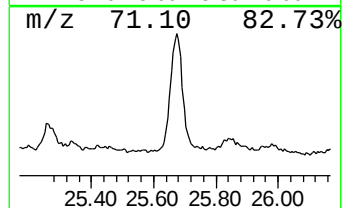
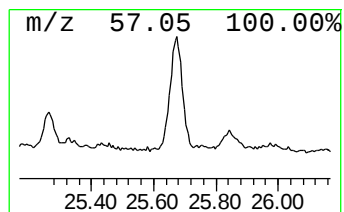
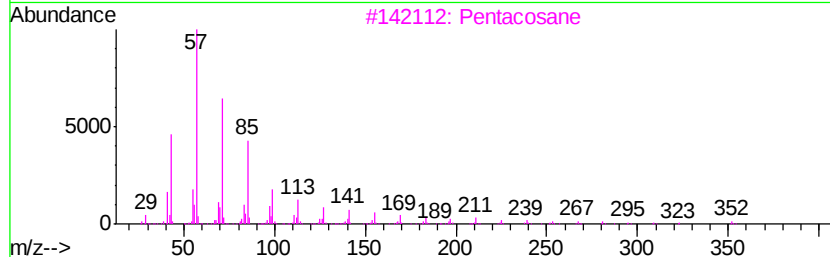
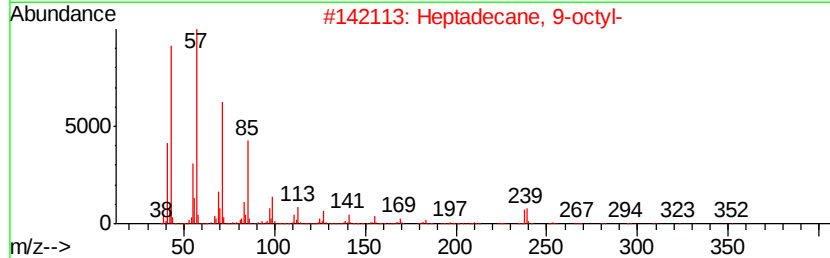
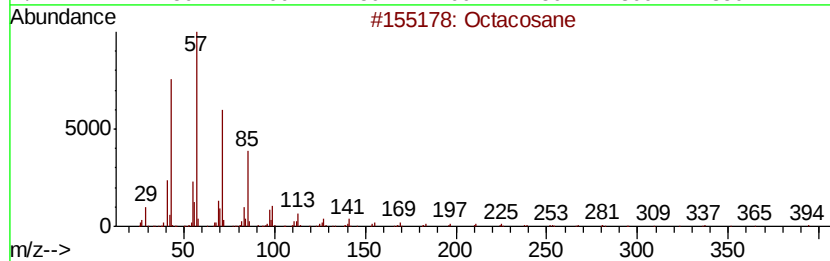
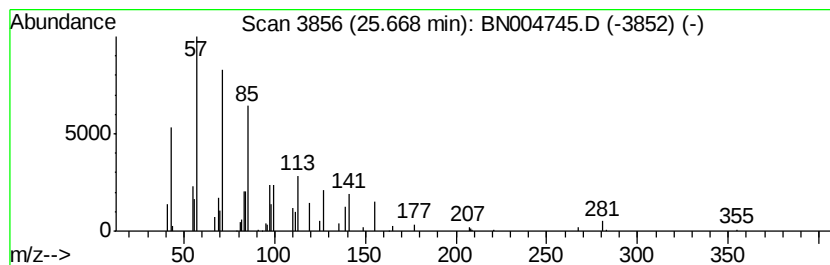
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 25.67 | 2.45 ng/ul | 56281 | Perylene-d12     | 23.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Octacosane                          | 394 | C28H58  | 000630-02-4 | 72   |
| 2    |    | Heptadecane, 9-octyl-               | 352 | C25H52  | 007225-64-1 | 64   |
| 3    |    | Pentacosane                         | 352 | C25H52  | 000629-99-2 | 64   |
| 4    |    | Octadecane, 3-ethyl-5-(2-ethylbu... | 366 | C26H54  | 055282-12-7 | 59   |
| 5    |    | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031319\  
Data File : BN004745.D  
Acq On : 14 Mar 2019 00:13  
Operator : JU/SJ  
Sample : K1794-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

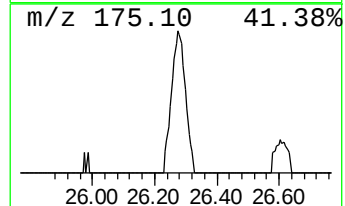
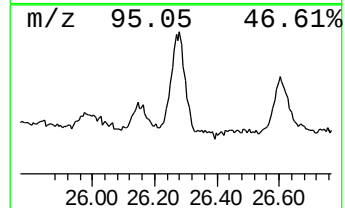
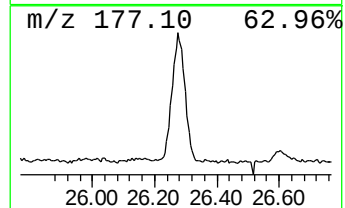
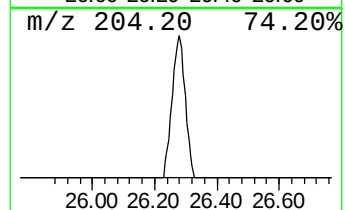
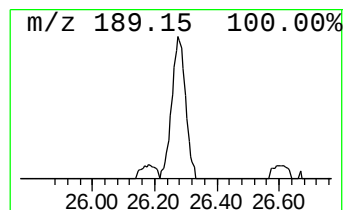
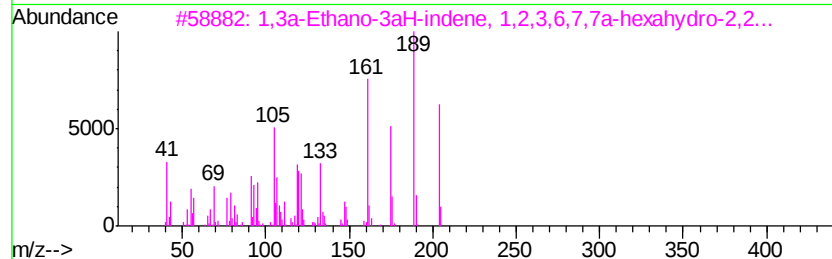
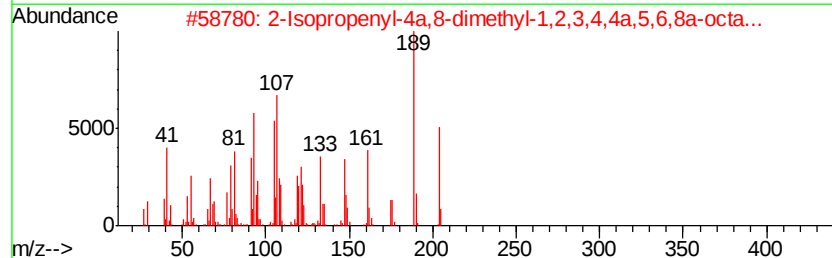
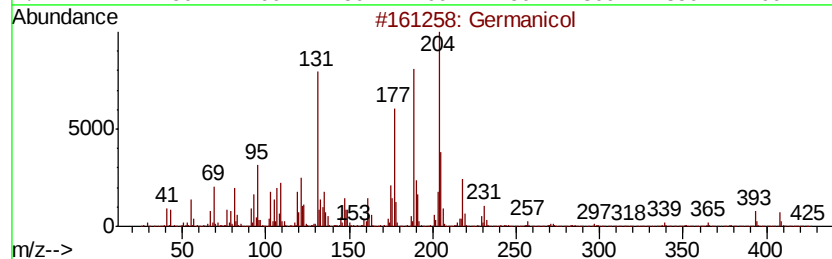
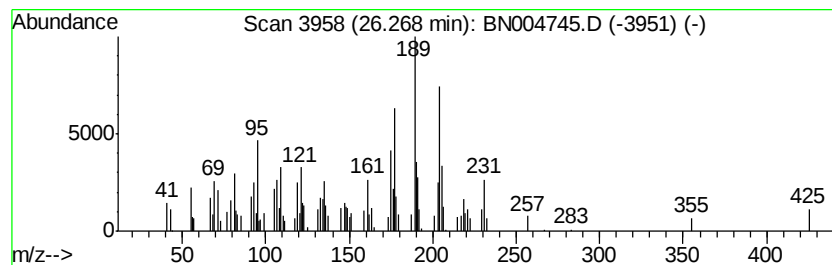
Instrument :  
BNA\_N  
ClientSampleId :  
BF5N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 8 Germanicol Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 26.27   | 8.65 ng/ul                          | 198540       | Perylene-d12     | 23.56           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | Germanicol                          |              | 426 C30H500      | 000465-02-1 58  |
| 2       | 2-Isopropenyl-4a,8-dimethyl-1,2,... |              | 204 C15H24       | 1000193-57-0 49 |
| 3       | 1,3a-Ethano-3aH-indene, 1,2,3,6,... |              | 204 C15H24       | 004545-68-0 46  |
| 4       | 1,3a-Ethano-3aH-indene, 1,2,3,6,... |              | 204 C15H24       | 004545-68-0 46  |
| 5       | 1H-Cyclopropa[a]naphthalene, 1a,... |              | 204 C15H24       | 1000147-32-8 41 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031319\  
Data File : BN004745.D  
Acq On : 14 Mar 2019 00:13  
Operator : JU/SJ  
Sample : K1794-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

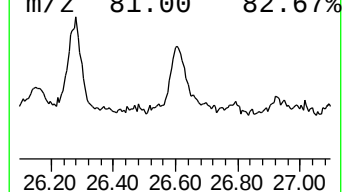
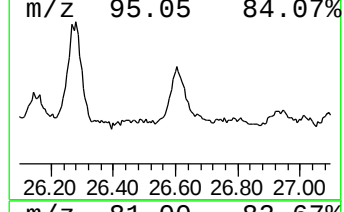
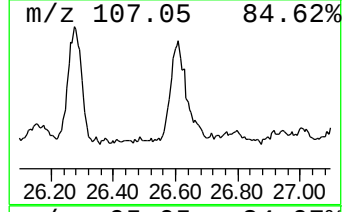
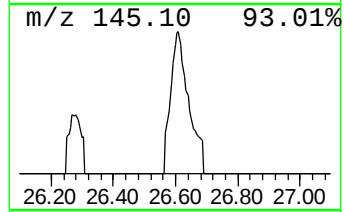
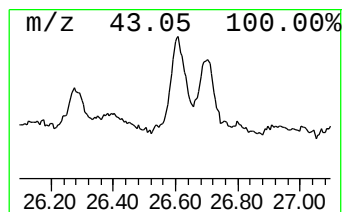
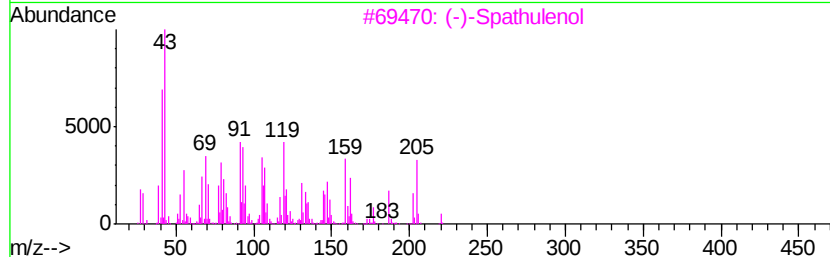
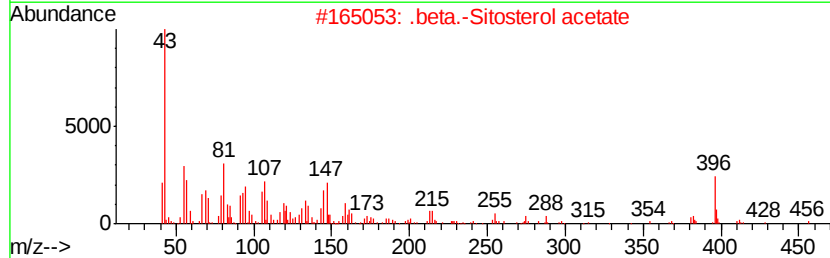
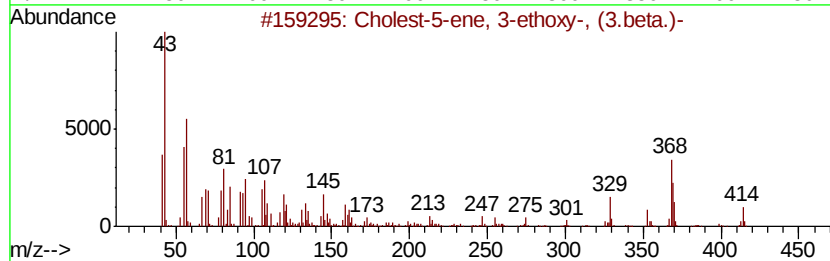
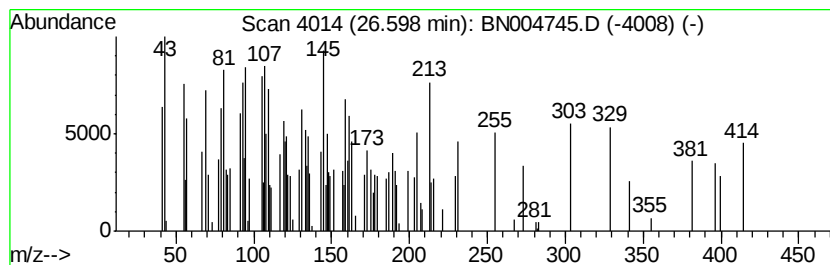
Instrument :  
BNA\_N  
ClientSampleId :  
BF5N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 9 unknown-02 Concentration Rank 3

| R.T.    | EstConc    | Area                                 | Relative to ISTD | R.T.            |
|---------|------------|--------------------------------------|------------------|-----------------|
| 26.60   | 5.95 ng/ul | 136539                               | Perylene-d12     | 23.56           |
| Hit# of | 5          | Tentative ID                         | MW MolForm       | CAS# Qual       |
| 1       |            | Cholest-5-ene, 3-ethoxy-, (3.beta... | 414 C29H500      | 000986-19-6 49  |
| 2       |            | .beta.-Sitosterol acetate            | 456 C31H52O2     | 000915-05-9 32  |
| 3       |            | (-)-Spathulenol                      | 220 C15H24O      | 077171-55-2 22  |
| 4       |            | Ledene oxide-(II)                    | 220 C15H24O      | 1000159-36-7 16 |
| 5       |            | 1H-Cycloprop[e]azulen-7-ol, deca...  | 220 C15H24O      | 006750-60-3 16  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031319\  
Data File : BN004745.D  
Acq On : 14 Mar 2019 00:13  
Operator : JU/SJ  
Sample : K1794-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BF5N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

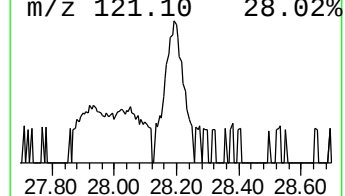
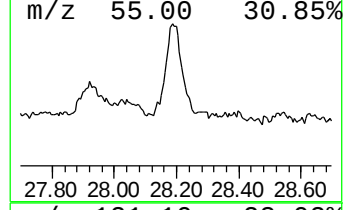
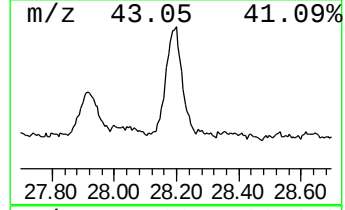
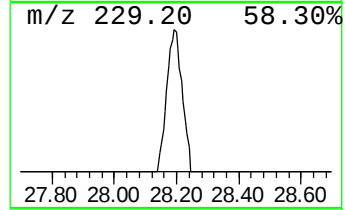
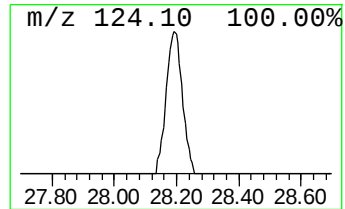
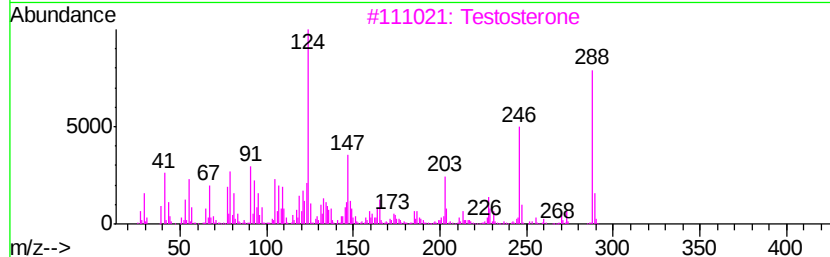
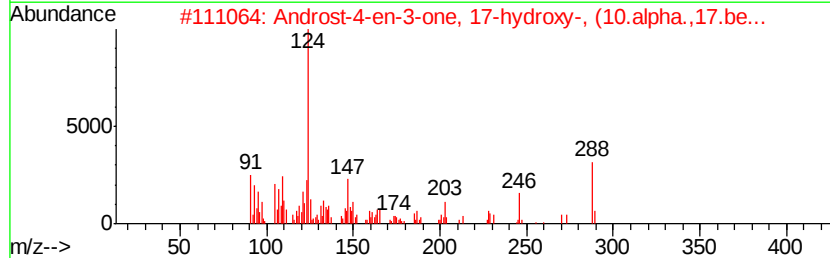
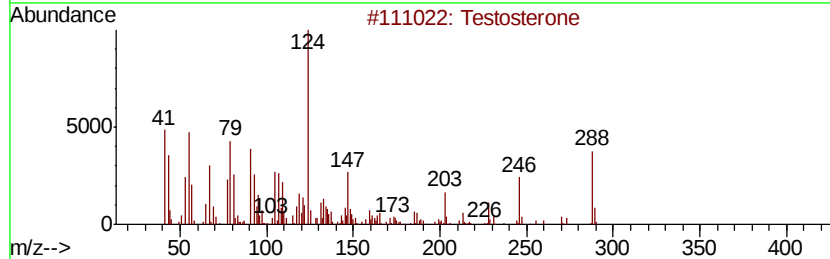
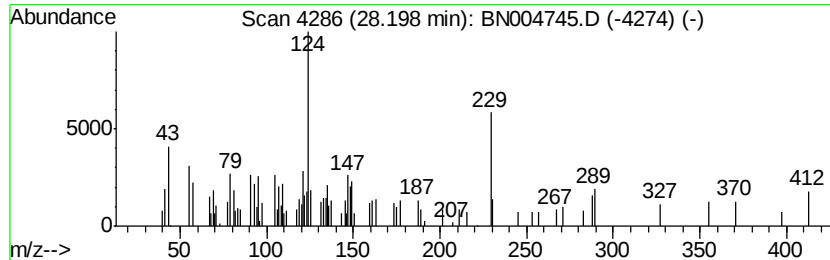
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Testosterone Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 28.20 | 8.32 ng/ul | 190951 | Perylene-d12     | 23.56 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Testosterone                         | 288 | C19H28O2 | 000058-22-0 | 81   |
| 2    |    | Androst-4-en-3-one, 17-hydroxy-, ... | 288 | C19H28O2 | 000604-39-7 | 42   |
| 3    |    | Testosterone                         | 288 | C19H28O2 | 000058-22-0 | 42   |
| 4    |    | Testosterone                         | 288 | C19H28O2 | 000058-22-0 | 30   |
| 5    |    | Testosterone                         | 288 | C19H28O2 | 000058-22-0 | 27   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN031319\  
Data File : BN004745.D  
Acq On : 14 Mar 2019 00:13  
Operator : JU/SJ  
Sample : K1794-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BF5N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.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  | 17.99 | 5.0     | ng/ul | 119864   | 4                     | 17.11 | 479077 | 20.0 |
| Tetradecanoic acid   | 19.28 | 2.7     | ng/ul | 65606    | 5                     | 21.30 | 492368 | 20.0 |
| (DEL) Alkane: Str... | 22.84 | 2.7     | ng/ul | 62110    | 6                     | 23.56 | 458905 | 20.0 |
| (DEL) Alkane: Str... | 24.06 | 3.9     | ng/ul | 88981    | 6                     | 23.56 | 458905 | 20.0 |
| (DEL) Alkane: Str... | 24.80 | 2.8     | ng/ul | 65079    | 6                     | 23.56 | 458905 | 20.0 |
| unknown-01           | 25.26 | 2.0     | ng/ul | 45992    | 6                     | 23.56 | 458905 | 20.0 |
| (DEL) Alkane: Str... | 25.67 | 2.5     | ng/ul | 56281    | 6                     | 23.56 | 458905 | 20.0 |
| Germanicol           | 26.27 | 8.7     | ng/ul | 198540   | 6                     | 23.56 | 458905 | 20.0 |
| unknown-02           | 26.60 | 6.0     | ng/ul | 136539   | 6                     | 23.56 | 458905 | 20.0 |
| Testosterone         | 28.20 | 8.3     | ng/ul | 190951   | 6                     | 23.56 | 458905 | 20.0 |