

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\  
 Data File : BN005606.D  
 Acq On : 11 May 2019 01:26  
 Operator : JU/SJ  
 Sample : K2613-23  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BFHF8

## 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-BN041919MA.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         | 3.199       | 34            | 36          | 43           | rVB3     | 21369          | 27236         | 0.80%           | 0.076%        |
| 2         | 6.769       | 637           | 643         | 657          | rVB      | 410835         | 765051        | 22.36%          | 2.135%        |
| 3         | 6.928       | 664           | 670         | 682          | rVB      | 340606         | 559065        | 16.34%          | 1.560%        |
| 4         | 7.011       | 682           | 684         | 687          | rBV2     | 4203           | 3560          | 0.10%           | 0.010%        |
| 5         | 7.122       | 696           | 703         | 713          | rVB      | 449208         | 759243        | 22.19%          | 2.119%        |
| 6         | 7.581       | 775           | 781         | 790          | rBV      | 381172         | 637047        | 18.62%          | 1.778%        |
| 7         | 8.281       | 895           | 900         | 914          | rVB      | 555374         | 970051        | 28.35%          | 2.707%        |
| 8         | 8.728       | 969           | 976         | 986          | rBV      | 440640         | 792374        | 23.16%          | 2.211%        |
| 9         | 9.063       | 1026          | 1033        | 1034         | rBV2     | 2048           | 4244          | 0.12%           | 0.012%        |
| 10        | 9.158       | 1045          | 1049        | 1054         | rVB4     | 5044           | 7873          | 0.23%           | 0.022%        |
| 11        | 9.440       | 1090          | 1097        | 1111         | rBV2     | 397895         | 687931        | 20.10%          | 1.920%        |
| 12        | 9.975       | 1181          | 1188        | 1208         | rBV      | 559656         | 1031886       | 30.16%          | 2.880%        |
| 13        | 10.340      | 1243          | 1250        | 1258         | rBV      | 560115         | 924893        | 27.03%          | 2.581%        |
| 14        | 10.487      | 1268          | 1275        | 1299         | rBV      | 507072         | 1063450       | 31.08%          | 2.968%        |
| 15        | 11.963      | 1520          | 1526        | 1532         | rBV3     | 7271           | 15107         | 0.44%           | 0.042%        |
| 16        | 12.540      | 1619          | 1624        | 1630         | rBV2     | 53098          | 90716         | 2.65%           | 0.253%        |
| 17        | 12.610      | 1630          | 1636        | 1652         | rVB      | 135334         | 290421        | 8.49%           | 0.811%        |
| 18        | 13.046      | 1702          | 1710        | 1719         | rBV6     | 18839          | 51722         | 1.51%           | 0.144%        |
| 19        | 13.140      | 1719          | 1726        | 1734         | rVV2     | 37358          | 76542         | 2.24%           | 0.214%        |
| 20        | 13.222      | 1734          | 1740        | 1747         | rVV2     | 70329          | 143710        | 4.20%           | 0.401%        |
| 21        | 13.287      | 1747          | 1751        | 1763         | rVB2     | 50162          | 116025        | 3.39%           | 0.324%        |
| 22        | 13.634      | 1803          | 1810        | 1814         | rBV      | 1178542        | 1651548       | 48.26%          | 4.609%        |
| 23        | 13.681      | 1814          | 1818        | 1827         | rVB      | 340378         | 504845        | 14.75%          | 1.409%        |
| 24        | 13.904      | 1849          | 1856        | 1870         | rBV      | 1342474        | 1996612       | 58.35%          | 5.572%        |
| 25        | 14.140      | 1891          | 1896        | 1899         | rVB4     | 2381           | 3803          | 0.11%           | 0.011%        |
| 26        | 14.216      | 1903          | 1909        | 1920         | rVB2     | 821306         | 1253147       | 36.62%          | 3.497%        |
| 27        | 14.363      | 1927          | 1934        | 1937         | rBV3     | 17454          | 36710         | 1.07%           | 0.102%        |
| 28        | 14.445      | 1942          | 1948        | 1967         | rVB      | 282027         | 650497        | 19.01%          | 1.815%        |
| 29        | 14.981      | 2035          | 2039        | 2044         | rBV      | 9177           | 11379         | 0.33%           | 0.032%        |
| 30        | 15.040      | 2044          | 2049        | 2052         | rVB3     | 3775           | 4344          | 0.13%           | 0.012%        |
| 31        | 15.092      | 2054          | 2058        | 2062         | rVB2     | 4681           | 5011          | 0.15%           | 0.014%        |
| 32        | 15.216      | 2073          | 2079        | 2087         | rBV      | 1698553        | 2447994       | 71.54%          | 6.832%        |
| 33        | 15.363      | 2098          | 2104        | 2115         | rBV      | 353072         | 608365        | 17.78%          | 1.698%        |
| 34        | 15.457      | 2115          | 2120        | 2127         | rVB4     | 18446          | 32442         | 0.95%           | 0.091%        |

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 15.651 | 2148 | 2153 | 2156 | rBV4  | 1869    | 3490    | 0.10%  | 0.010% |
| 36 | 15.963 | 2201 | 2206 | 2208 | rBV3  | 5513    | 6804    | 0.20%  | 0.019% |
| 37 | 16.004 | 2208 | 2213 | 2219 | rVB9  | 6799    | 12355   | 0.36%  | 0.034% |
| 38 | 16.128 | 2232 | 2234 | 2238 | rBV3  | 3203    | 3820    | 0.11%  | 0.011% |
| 39 | 16.304 | 2262 | 2264 | 2269 | rBV4  | 3258    | 3898    | 0.11%  | 0.011% |
| 40 | 16.763 | 2338 | 2342 | 2346 | rVV4  | 7353    | 11766   | 0.34%  | 0.033% |
| 41 | 16.969 | 2371 | 2377 | 2388 | rBV2  | 1073097 | 1564974 | 45.73% | 4.368% |
| 42 | 17.069 | 2388 | 2394 | 2409 | rVV2  | 1856021 | 2736555 | 79.97% | 7.637% |
| 43 | 17.398 | 2445 | 2450 | 2451 | rBV4  | 3491    | 4264    | 0.12%  | 0.012% |
| 44 | 17.492 | 2461 | 2466 | 2469 | rBV4  | 4978    | 7885    | 0.23%  | 0.022% |
| 45 | 17.822 | 2518 | 2522 | 2523 | rBV3  | 2658    | 3451    | 0.10%  | 0.010% |
| 46 | 17.892 | 2529 | 2534 | 2549 | rBV3  | 124720  | 265240  | 7.75%  | 0.740% |
| 47 | 18.092 | 2566 | 2568 | 2573 | rVB4  | 2828    | 4017    | 0.12%  | 0.011% |
| 48 | 18.192 | 2580 | 2585 | 2588 | rVB4  | 10090   | 13653   | 0.40%  | 0.038% |
| 49 | 18.333 | 2606 | 2609 | 2611 | rBV3  | 3663    | 4051    | 0.12%  | 0.011% |
| 50 | 18.445 | 2625 | 2628 | 2631 | rVB4  | 3858    | 6071    | 0.18%  | 0.017% |
| 51 | 18.651 | 2661 | 2663 | 2668 | rBV5  | 2771    | 4175    | 0.12%  | 0.012% |
| 52 | 18.833 | 2690 | 2694 | 2699 | rBV7  | 14018   | 20427   | 0.60%  | 0.057% |
| 53 | 18.945 | 2710 | 2713 | 2715 | rBV4  | 5169    | 4912    | 0.14%  | 0.014% |
| 54 | 19.022 | 2721 | 2726 | 2729 | rBV2  | 19991   | 26308   | 0.77%  | 0.073% |
| 55 | 19.045 | 2729 | 2730 | 2735 | rVB5  | 6009    | 6990    | 0.20%  | 0.020% |
| 56 | 19.122 | 2741 | 2743 | 2746 | rVB2  | 3516    | 3697    | 0.11%  | 0.010% |
| 57 | 19.186 | 2748 | 2754 | 2757 | rBV6  | 33367   | 51575   | 1.51%  | 0.144% |
| 58 | 19.269 | 2765 | 2768 | 2775 | rVB   | 20496   | 29292   | 0.86%  | 0.082% |
| 59 | 19.386 | 2782 | 2788 | 2797 | rBV2  | 2250135 | 3333924 | 97.43% | 9.305% |
| 60 | 19.451 | 2797 | 2799 | 2803 | rVB4  | 12134   | 12389   | 0.36%  | 0.035% |
| 61 | 19.963 | 2883 | 2886 | 2890 | rVB   | 15332   | 16320   | 0.48%  | 0.046% |
| 62 | 20.257 | 2934 | 2936 | 2939 | rBV3  | 4531    | 3819    | 0.11%  | 0.011% |
| 63 | 20.292 | 2939 | 2942 | 2944 | rVV4  | 6958    | 7930    | 0.23%  | 0.022% |
| 64 | 20.328 | 2945 | 2948 | 2956 | rVB10 | 18411   | 33037   | 0.97%  | 0.092% |
| 65 | 20.463 | 2968 | 2971 | 2975 | rVB3  | 31513   | 31115   | 0.91%  | 0.087% |
| 66 | 20.927 | 3046 | 3050 | 3059 | rBV   | 213068  | 383532  | 11.21% | 1.070% |
| 67 | 21.133 | 3082 | 3085 | 3090 | rBV7  | 13486   | 27047   | 0.79%  | 0.075% |
| 68 | 21.204 | 3091 | 3097 | 3104 | rBV   | 1414361 | 1935907 | 56.57% | 5.403% |
| 69 | 21.375 | 3123 | 3126 | 3132 | rBV   | 114981  | 119464  | 3.49%  | 0.333% |
| 70 | 21.804 | 3196 | 3199 | 3203 | rBV   | 139641  | 162094  | 4.74%  | 0.452% |
| 71 | 22.263 | 3272 | 3277 | 3283 | rBV   | 213151  | 282393  | 8.25%  | 0.788% |

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Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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## 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-BN041919MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 22.757 | 3356 | 3361 | 3368 | rBV  | 226527  | 318926  | 9.32%   | 0.890% |
| 73 | 22.921 | 3386 | 3389 | 3394 | rVB  | 68816   | 103607  | 3.03%   | 0.289% |
| 74 | 23.263 | 3440 | 3447 | 3453 | rBV2 | 1873557 | 3421874 | 100.00% | 9.550% |
| 75 | 23.404 | 3464 | 3471 | 3483 | rVB  | 1020781 | 1931519 | 56.45%  | 5.391% |
| 76 | 23.933 | 3556 | 3561 | 3569 | rVB2 | 161483  | 291149  | 8.51%   | 0.813% |
| 77 | 24.074 | 3581 | 3585 | 3592 | rVB2 | 101326  | 193551  | 5.66%   | 0.540% |
| 78 | 24.657 | 3679 | 3684 | 3692 | rVB  | 95115   | 196448  | 5.74%   | 0.548% |

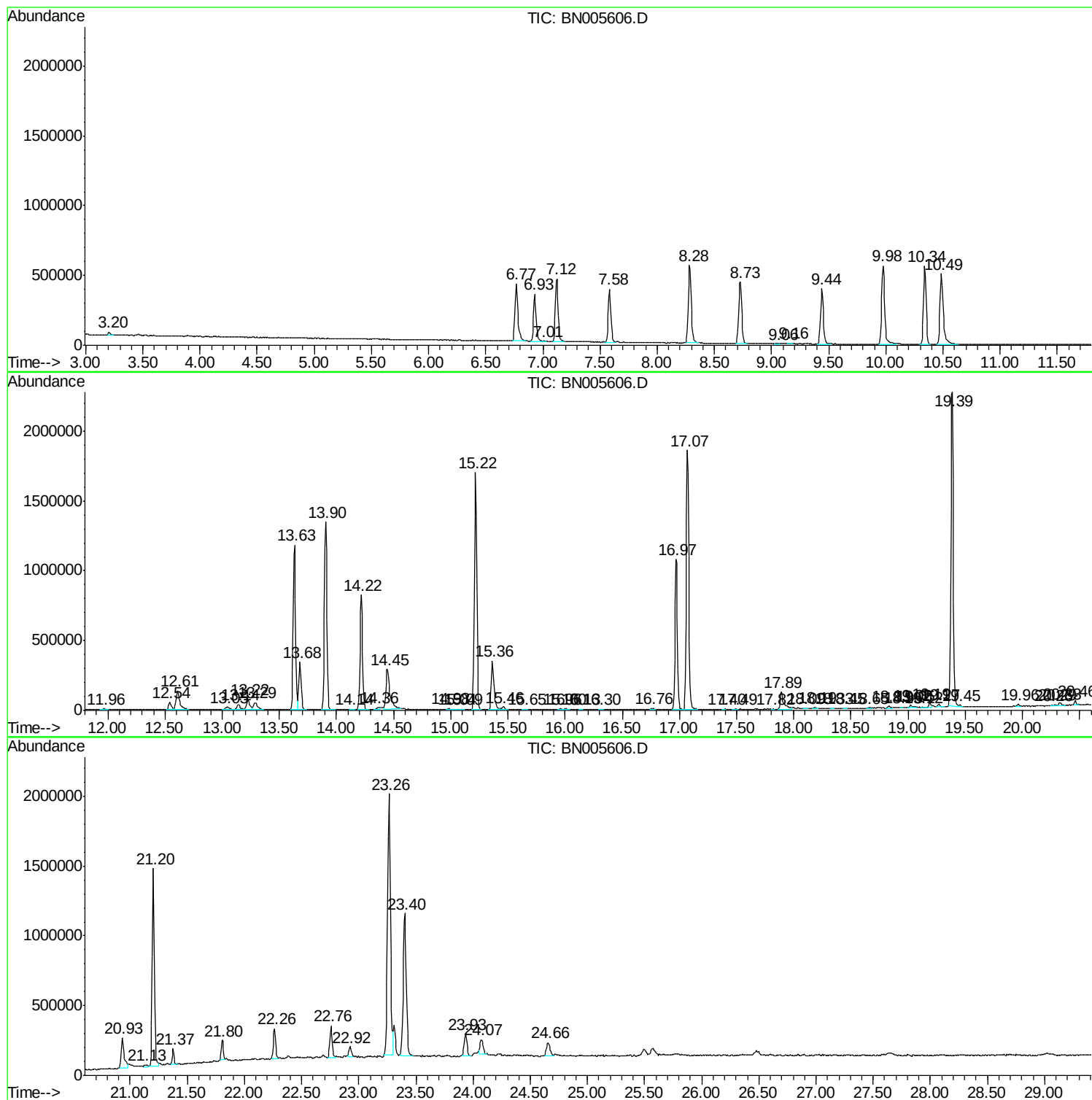
Sum of corrected areas: 35830559

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

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



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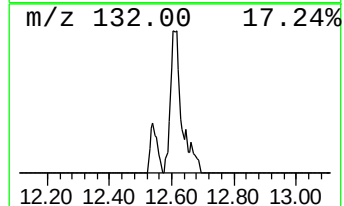
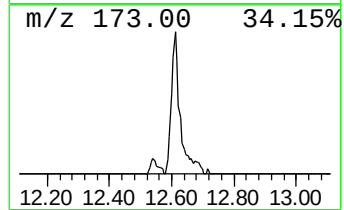
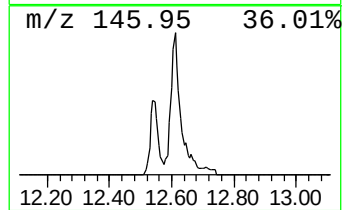
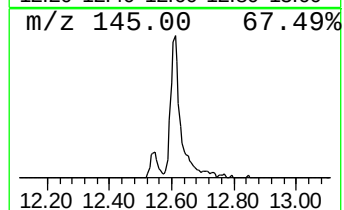
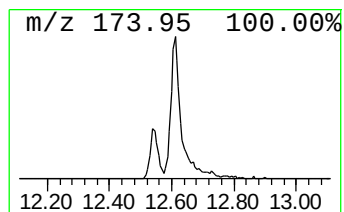
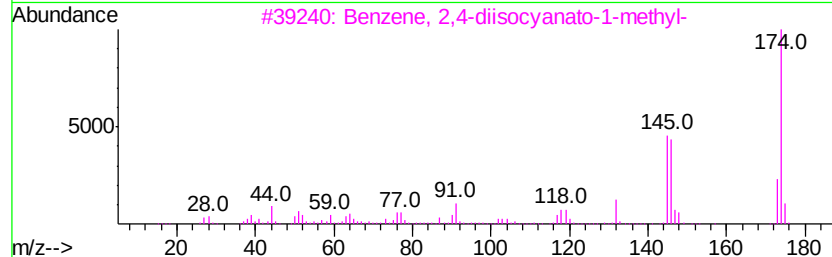
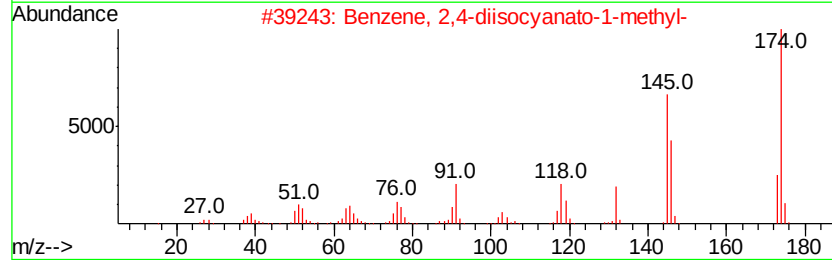
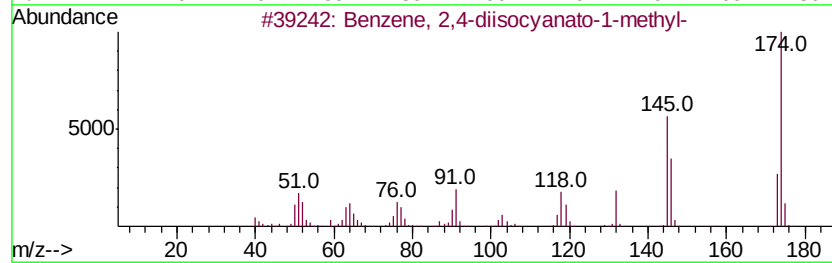
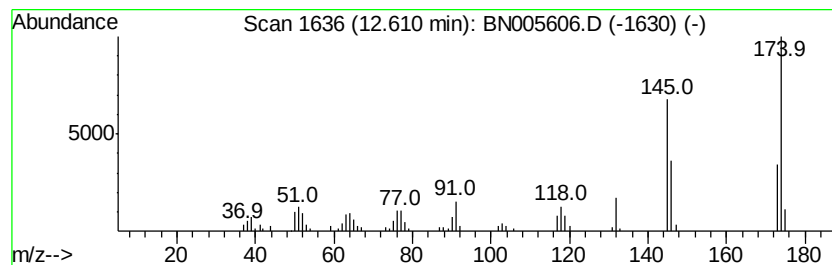
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Benzene, 2,4-diisocyanato-1... Concentration Rank 1

| R.T.    | EstConc    | Area                                 | Relative to ISTD | R.T.      |             |      |
|---------|------------|--------------------------------------|------------------|-----------|-------------|------|
| 12.61   | 4.64 ng/ul | 290421                               | Acenaphthene-d10 | 14.22     |             |      |
| Hit# of | 5          | Tentative ID                         | MW               | MolForm   | CAS#        | Qual |
| 1       |            | Benzene, 2,4-diisocyanato-1-methyl-  | 174              | C9H6N2O2  | 000584-84-9 | 96   |
| 2       |            | Benzene, 2,4-diisocyanato-1-methyl-  | 174              | C9H6N2O2  | 000584-84-9 | 95   |
| 3       |            | Benzene, 2,4-diisocyanato-1-methyl-  | 174              | C9H6N2O2  | 000584-84-9 | 91   |
| 4       |            | Benzo [f]-1,5-diazabicyclo[3.2.2]... | 174              | C11H14N2  | 007092-76-4 | 74   |
| 5       |            | 4H-Pyrido[1,2-a]pyrimidin-4-one, ... | 174              | C10H10N2O | 039080-46-1 | 72   |



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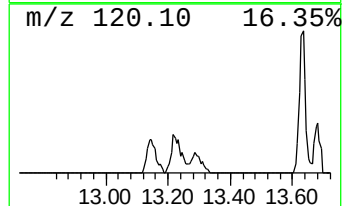
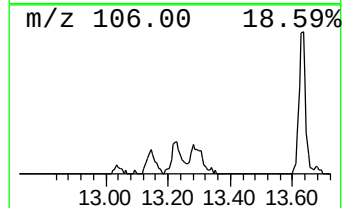
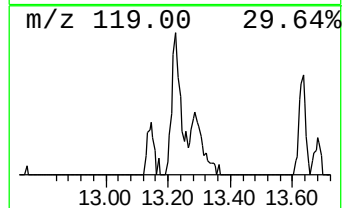
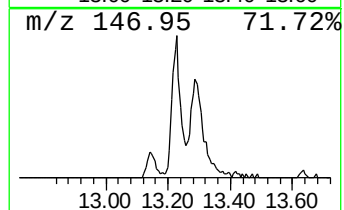
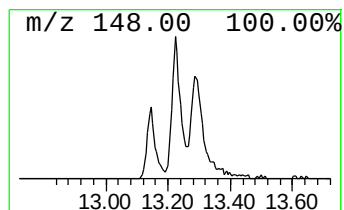
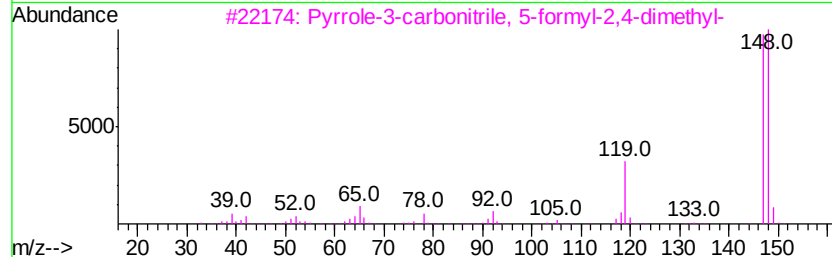
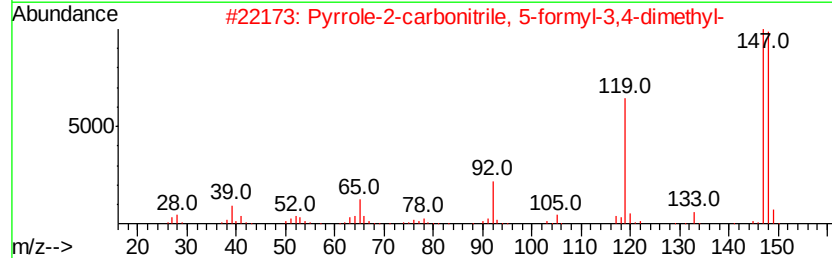
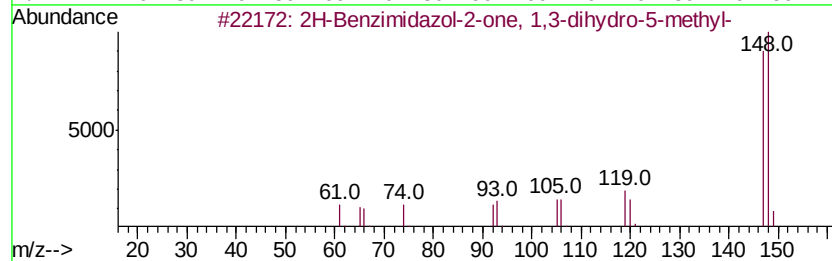
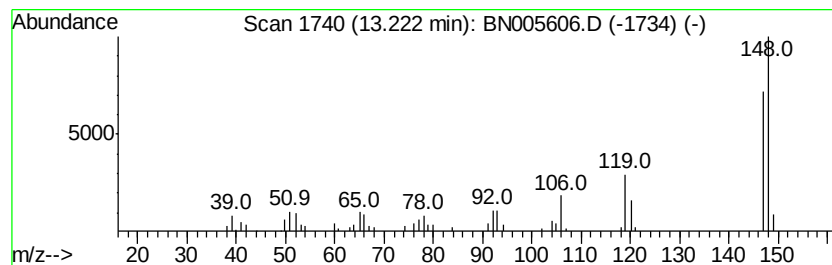
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 2H-Benzimidazol-2-one, 1,3-... Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD |             | R.T.  |      |
|---------|-------------------------------------|--------------|------------------|-------------|-------|------|
| 13.22   | 2.29 ng/ul                          | 143710       | Acenaphthene-d10 |             | 14.22 |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS#  | Qual |
| 1       | 2H-Benzimidazol-2-one, 1,3-dihyd... | 148          | C8H8N2O          | 005400-75-9 | 87    |      |
| 2       | Pyrrole-2-carbonitrile, 5-formyl... | 148          | C8H8N2O          | 026187-38-2 | 72    |      |
| 3       | Pyrrole-3-carbonitrile, 5-formyl... | 148          | C8H8N2O          | 032487-71-1 | 64    |      |
| 4       | 1,4-Benzenedicarboxaldehyde, 2-m... | 148          | C9H8O2           | 027587-17-3 | 64    |      |
| 5       | trans-Cinnamic acid                 | 148          | C9H8O2           | 000140-10-3 | 50    |      |



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Quant Title : SVOA CALIBRATION

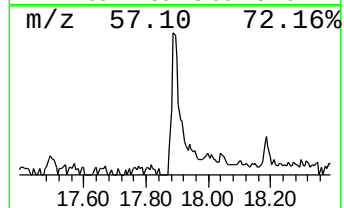
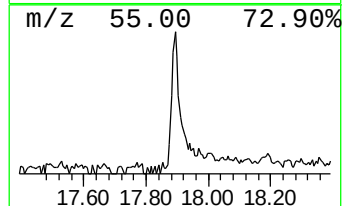
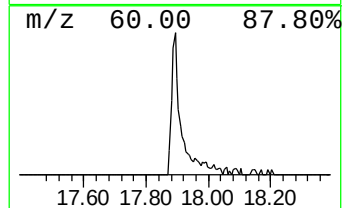
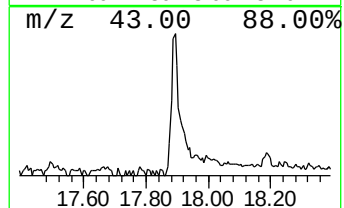
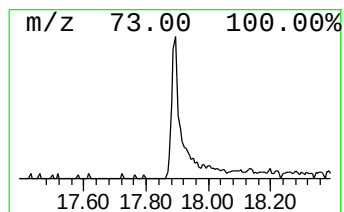
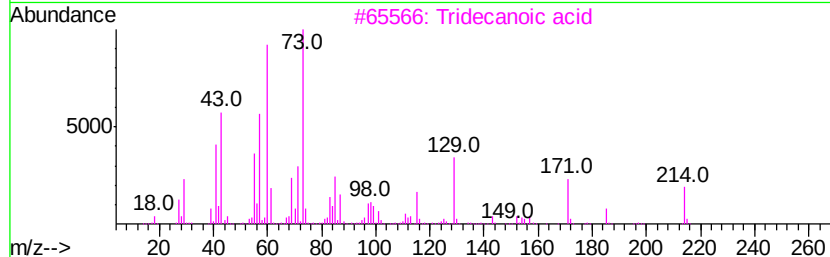
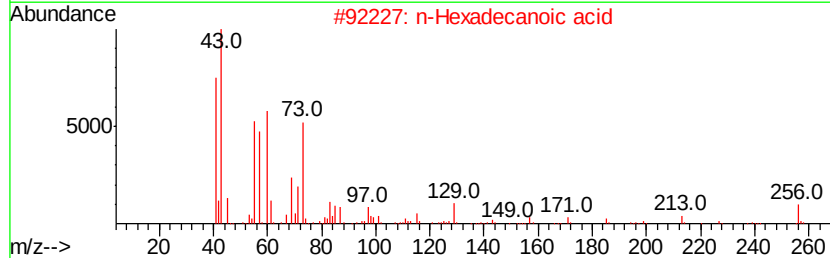
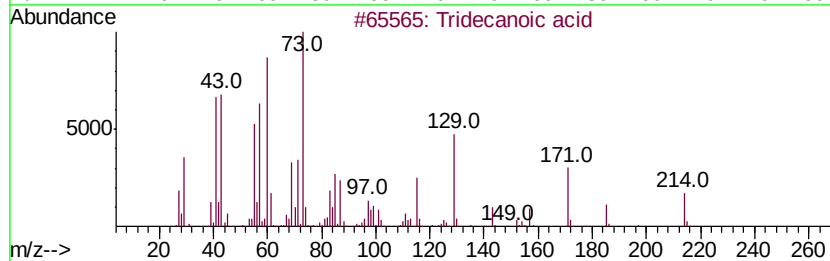
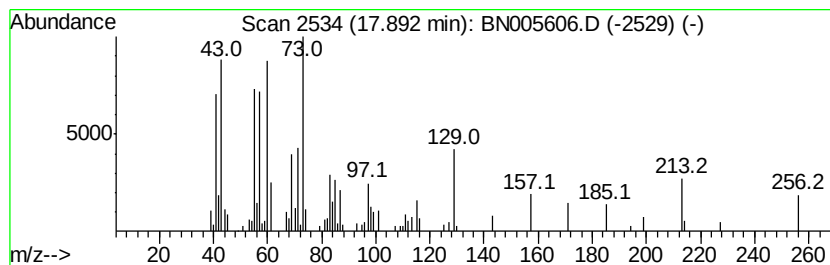
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Tridecanoic acid Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.89 | 3.39 ng/ul | 265240 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 94   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93   |
| 3    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 87   |
| 4    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 76   |
| 5    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\  
Data File : BN005606.D  
Acq On : 11 May 2019 01:26  
Operator : JU/SJ  
Sample : K2613-23  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

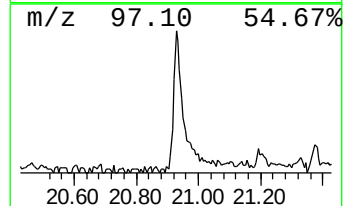
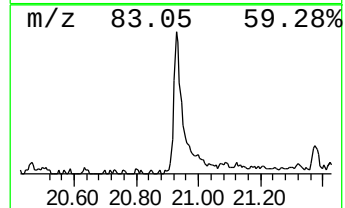
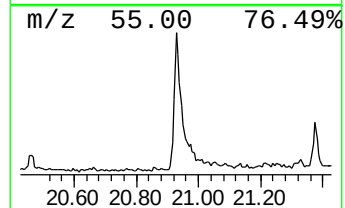
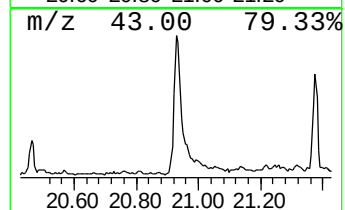
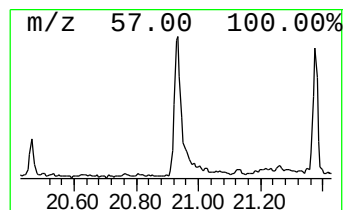
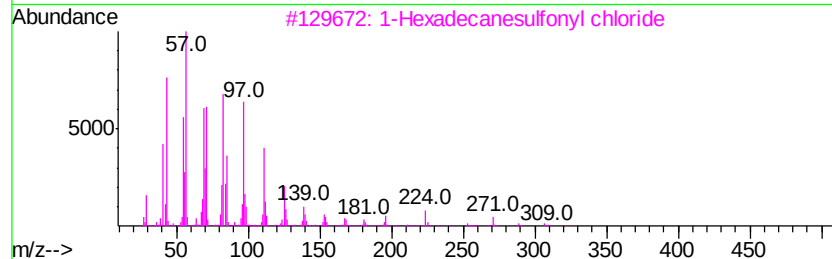
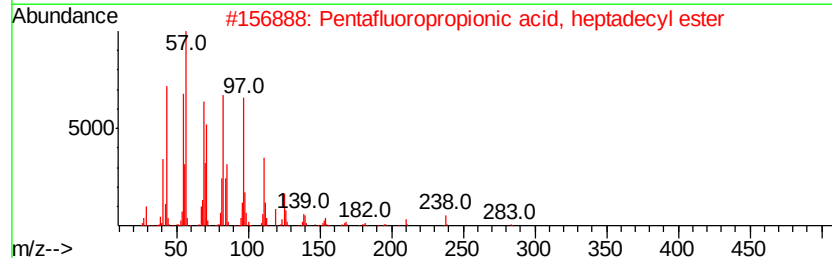
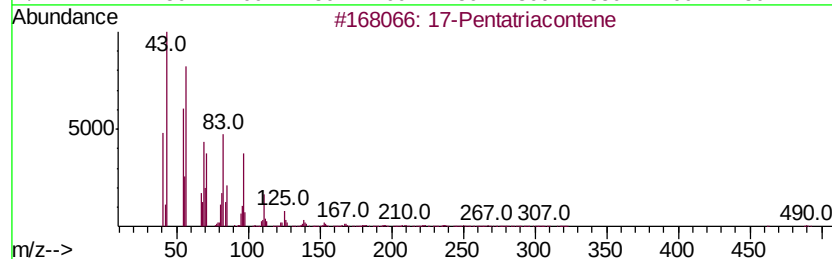
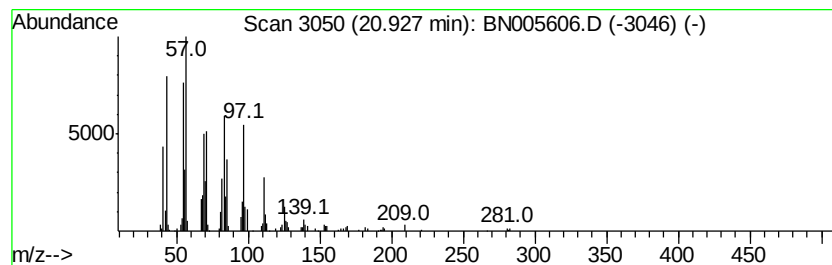
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 4 (DEL) Alkane: Cyclic20.93 Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 20.93   | 3.96 ng/ul                          | 383532       | Chrysene-d12     | 21.20           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | 17-Pentatriacontene                 | 491          | C35H70           | 006971-40-0 91  |
| 2       | Pentafluoropropionic acid, hepta... | 402          | C20H35F5O2       | 1000283-04-2 91 |
| 3       | 1-Hexadecanesulfonyl chloride       | 324          | C16H33ClO2S      | 038775-38-1 91  |
| 4       | 1-Hentetracontanol                  | 593          | C41H84O          | 040710-42-7 91  |
| 5       | 17-Pentatriacontene                 | 491          | C35H70           | 006971-40-0 91  |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\  
Data File : BN005606.D  
Acq On : 11 May 2019 01:26  
Operator : JU/SJ  
Sample : K2613-23  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BFHF8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

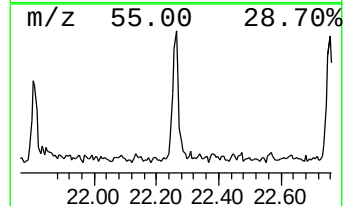
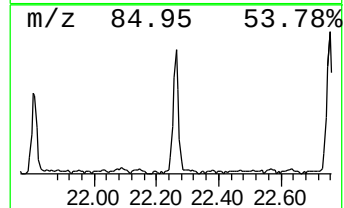
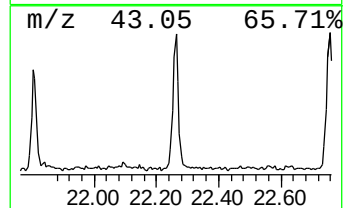
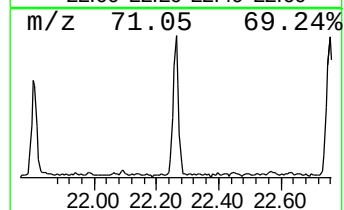
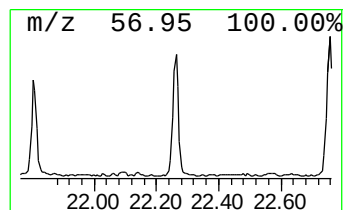
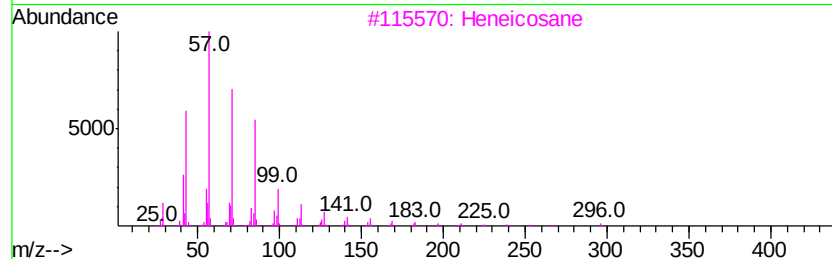
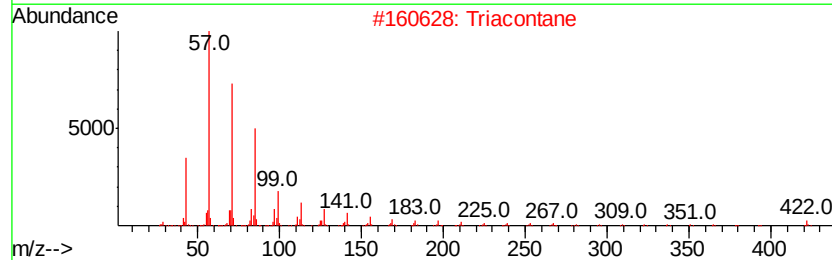
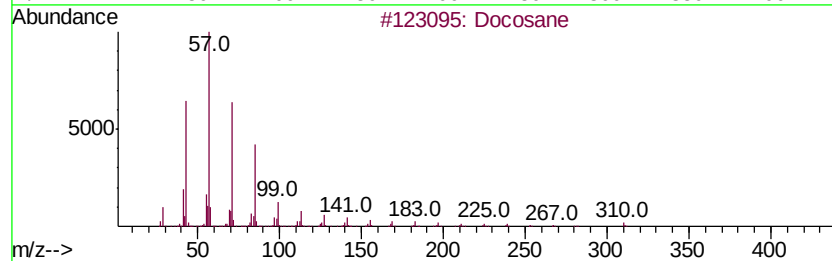
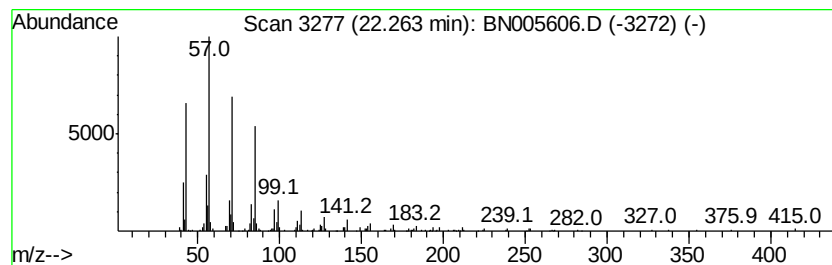
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.26 | 2.92 ng/ul | 282393 | Chrysene-d12     | 21.20 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane              | 310 | C22H46  | 000629-97-0 | 90   |
| 2    |    | Triacontane           | 422 | C30H62  | 000638-68-6 | 90   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 90   |
| 5    |    | Nonacosane            | 408 | C29H60  | 000630-03-5 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051019\  
Data File : BN005606.D  
Acq On : 11 May 2019 01:26  
Operator : JU/SJ  
Sample : K2613-23  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BFHF8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

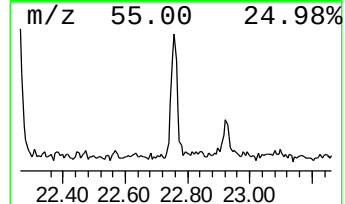
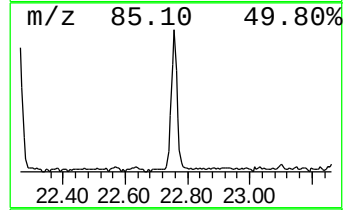
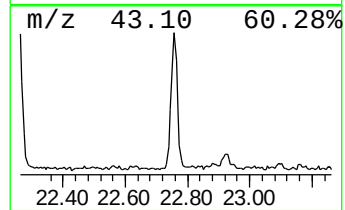
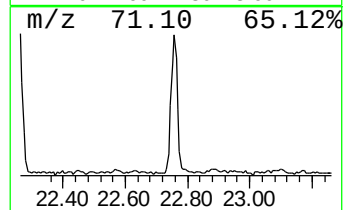
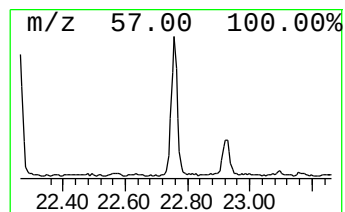
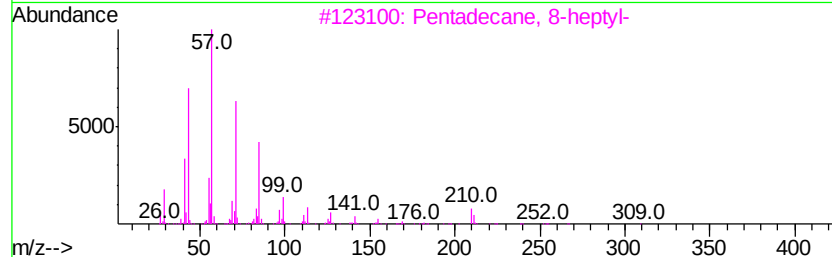
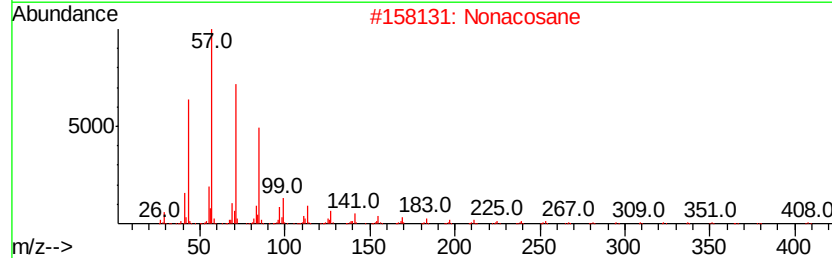
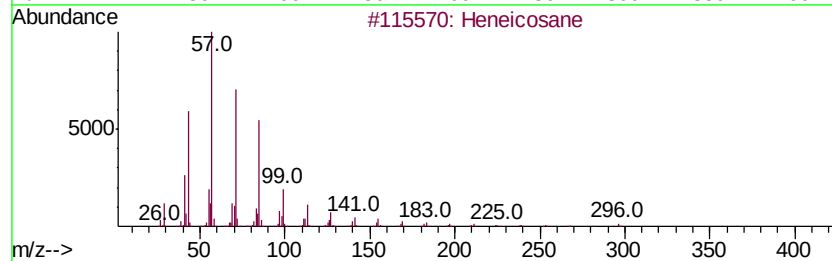
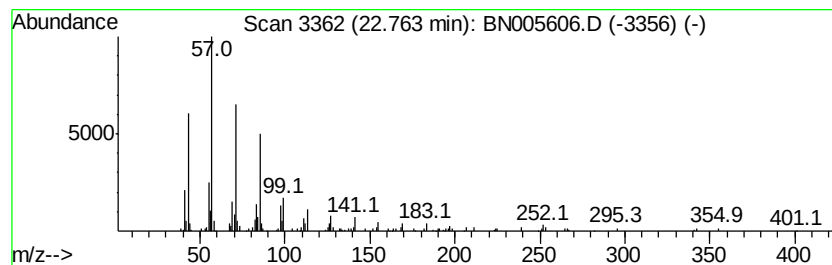
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.76 | 3.30 ng/ul | 318926 | Perylene-d12     | 23.40 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane            | 296 | C21H44  | 000629-94-7 | 90   |
| 2    |    | Nonacosane             | 408 | C29H60  | 000630-03-5 | 90   |
| 3    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 87   |
| 4    |    | Decane, 3,8-dimethyl-  | 170 | C12H26  | 017312-55-9 | 87   |
| 5    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\  
Data File : BN005606.D  
Acq On : 11 May 2019 01:26  
Operator : JU/SJ  
Sample : K2613-23  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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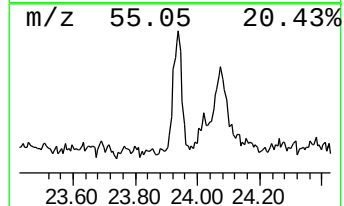
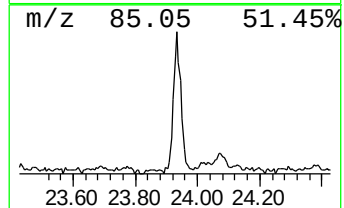
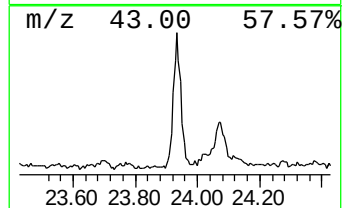
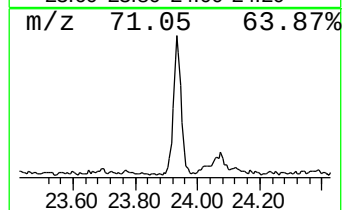
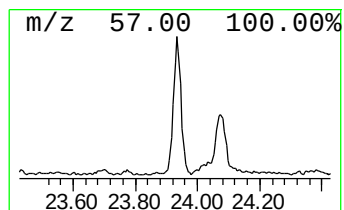
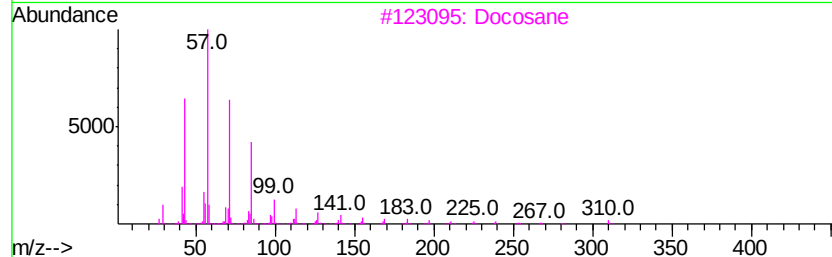
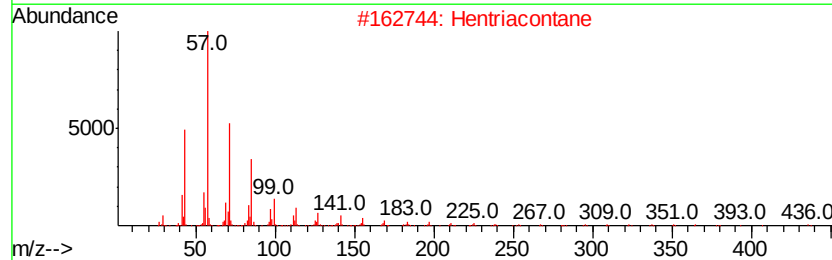
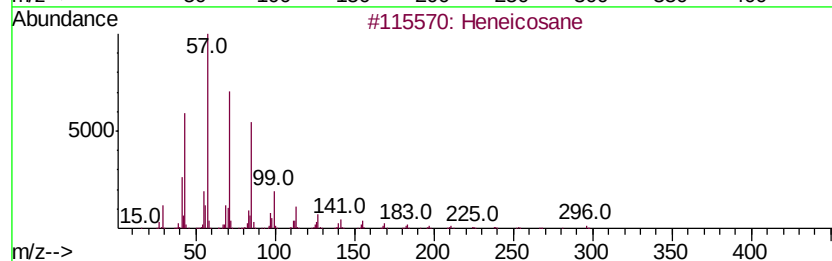
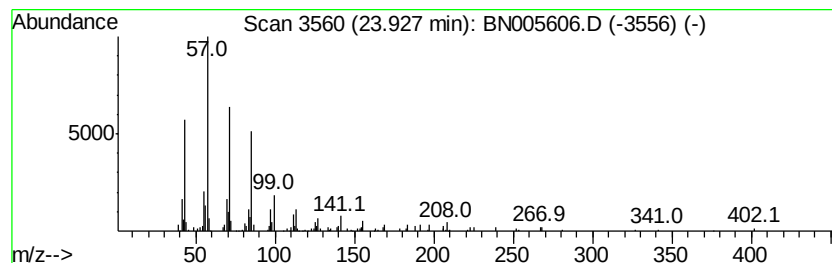
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.93 | 3.01 ng/ul | 291149 | Perylene-d12     | 23.40 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane    | 296 | C21H44  | 000629-94-7 | 90   |
| 2    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 90   |
| 3    |    | Docosane       | 310 | C22H46  | 000629-97-0 | 87   |
| 4    |    | Nonadecane     | 268 | C19H40  | 000629-92-5 | 87   |
| 5    |    | Triacontane    | 422 | C30H62  | 000638-68-6 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\  
Data File : BN005606.D  
Acq On : 11 May 2019 01:26  
Operator : JU/SJ  
Sample : K2613-23  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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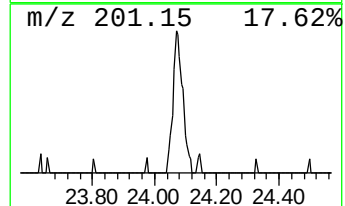
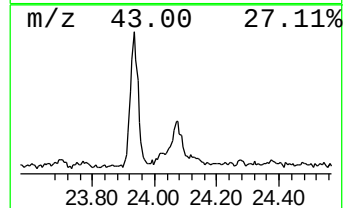
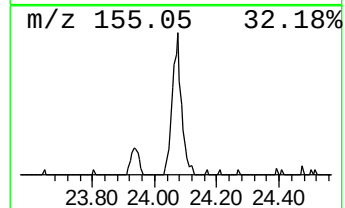
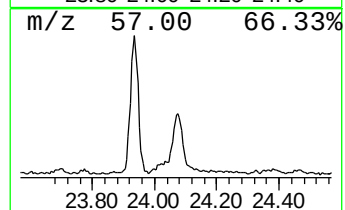
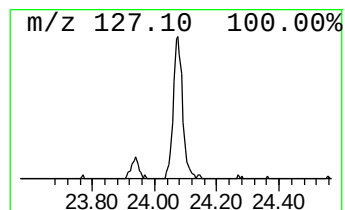
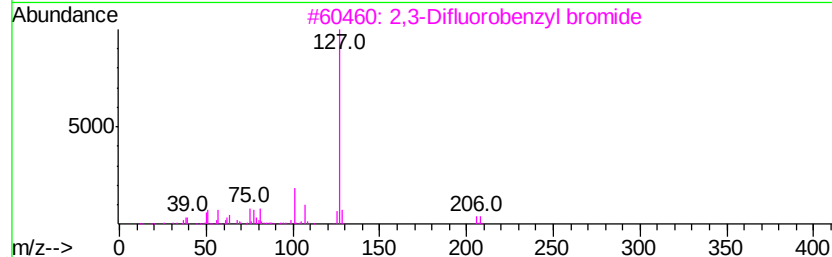
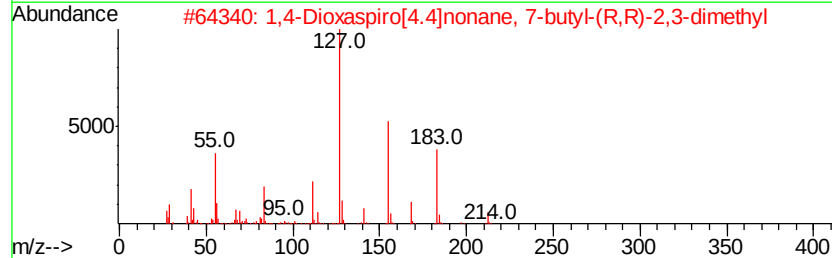
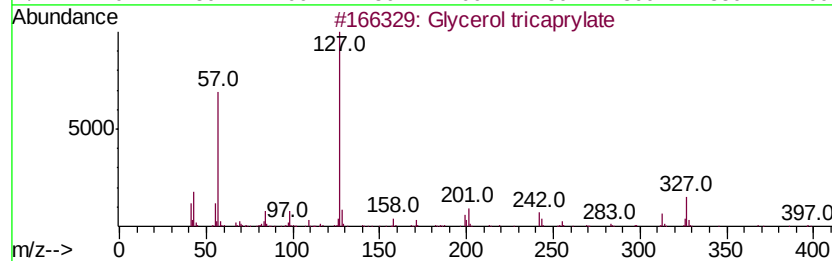
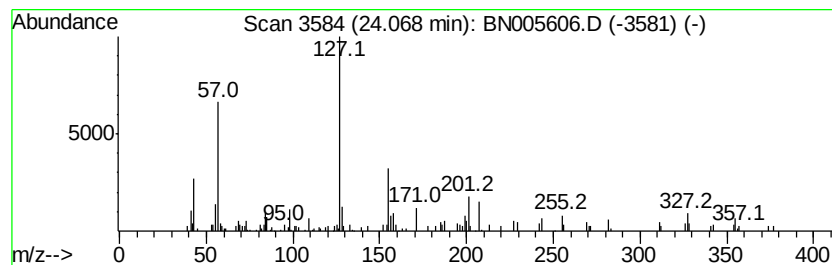
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown-01 Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.07 | 2.00 ng/ul | 193551 | Perylene-d12     | 23.40 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Glycerol tricaprlylate              | 470 | C27H50O6 | 000538-23-8 | 47   |
| 2    |    | 1,4-Dioxaspiro[4.4]nonane, 7-but... | 212 | C13H24O2 | 104807-77-4 | 42   |
| 3    |    | 2,3-Difluorobenzyl bromide          | 206 | C7H5BrF2 | 113211-94-2 | 38   |
| 4    |    | 2,4(1H,3H)-Pyrimidinedione, 5-am... | 127 | C4H5N3O2 | 000932-52-5 | 32   |
| 5    |    | 5-Methyl-1-nitropyrazole            | 127 | C4H5N3O2 | 031163-85-6 | 32   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\  
Data File : BN005606.D  
Acq On : 11 May 2019 01:26  
Operator : JU/SJ  
Sample : K2613-23  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BFHF8

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Quant Title : SVOA CALIBRATION

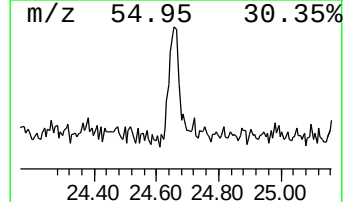
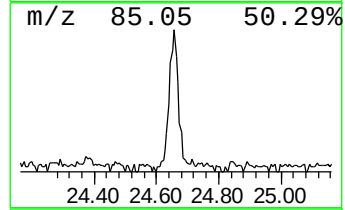
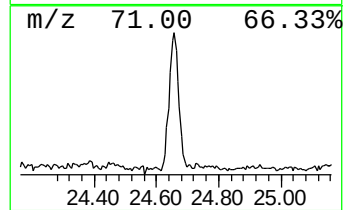
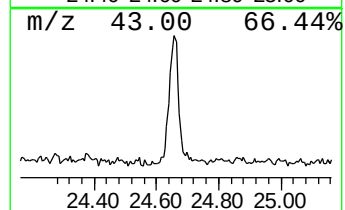
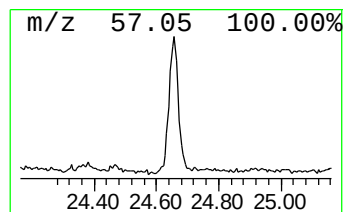
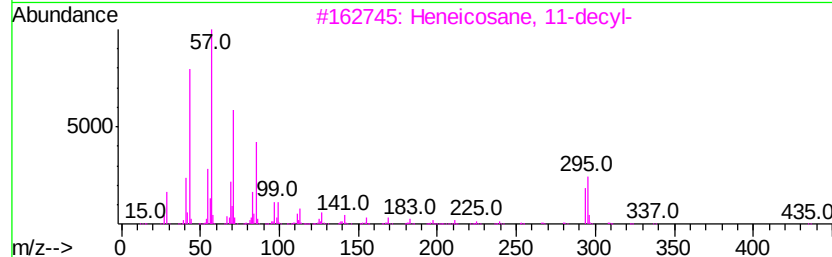
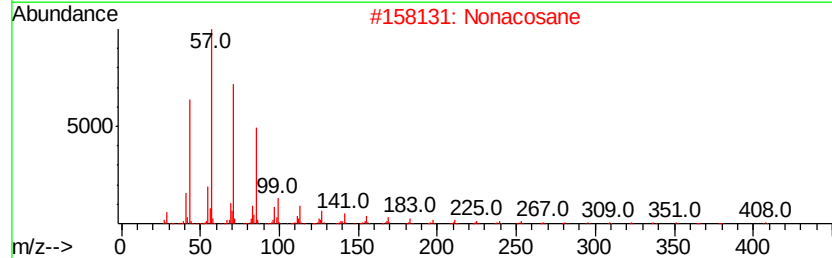
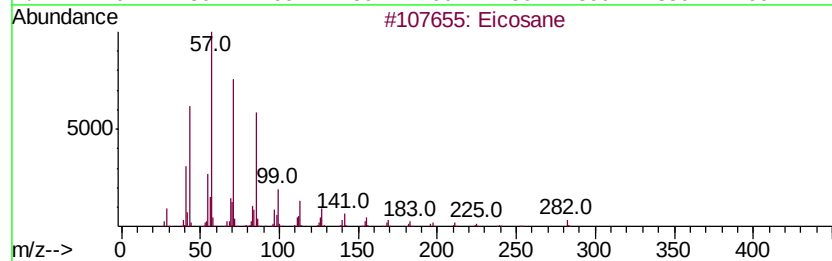
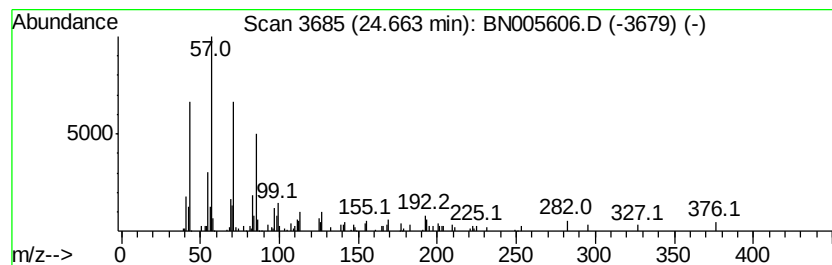
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.66 | 2.03 ng/ul | 196448 | Perylene-d12     | 23.40 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Eicosane               | 282 | C20H42  | 000112-95-8 | 91   |
| 2    |    |   | Nonacosane             | 408 | C29H60  | 000630-03-5 | 87   |
| 3    |    |   | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 87   |
| 4    |    |   | Heneicosane            | 296 | C21H44  | 000629-94-7 | 87   |
| 5    |    |   | Tetratriacontane       | 479 | C34H70  | 014167-59-0 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051019\  
Data File : BN005606.D  
Acq On : 11 May 2019 01:26  
Operator : JU/SJ  
Sample : K2613-23  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BFHF8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.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 |
| Benzene, 2,4-diis... | 12.61 | 4.6     | ng/ul | 290421   | 3                     | 14.22 | 1253150 | 20.0 |
| 2H-Benzimidazol-2... | 13.22 | 2.3     | ng/ul | 143710   | 3                     | 14.22 | 1253150 | 20.0 |
| Tridecanoic acid     | 17.89 | 3.4     | ng/ul | 265240   | 4                     | 16.97 | 1564970 | 20.0 |
| (DEL) Alkane: Cyc... | 20.93 | 4.0     | ng/ul | 383532   | 5                     | 21.20 | 1935910 | 20.0 |
| (DEL) Alkane: Str... | 22.26 | 2.9     | ng/ul | 282393   | 5                     | 21.20 | 1935910 | 20.0 |
| (DEL) Alkane: Str... | 22.76 | 3.3     | ng/ul | 318926   | 6                     | 23.40 | 1931520 | 20.0 |
| (DEL) Alkane: Str... | 23.93 | 3.0     | ng/ul | 291149   | 6                     | 23.40 | 1931520 | 20.0 |
| unknown-01           | 24.07 | 2.0     | ng/ul | 193551   | 6                     | 23.40 | 1931520 | 20.0 |
| (DEL) Alkane: Str... | 24.66 | 2.0     | ng/ul | 196448   | 6                     | 23.40 | 1931520 | 20.0 |