

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\  
 Data File : BN012305.D  
 Acq On : 17 Oct 2020 23:10  
 Operator : CG/JU  
 Sample : L4235-15  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AQ0

## 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-BN101720.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      | 3.146    | 24         | 27       | 33        | rVB2  | 31491       | 39348      | 0.90%        | 0.083%     |
| 2      | 3.481    | 81         | 84       | 87        | rVB5  | 5789        | 6714       | 0.15%        | 0.014%     |
| 3      | 3.558    | 93         | 97       | 100       | rBV4  | 6669        | 9051       | 0.21%        | 0.019%     |
| 4      | 3.652    | 109        | 113      | 119       | rVB2  | 31546       | 43039      | 0.98%        | 0.090%     |
| 5      | 3.764    | 128        | 132      | 138       | rVB4  | 9175        | 18820      | 0.43%        | 0.039%     |
| 6      | 3.858    | 144        | 148      | 153       | rBV   | 19380       | 26880      | 0.61%        | 0.056%     |
| 7      | 5.016    | 342        | 345      | 349       | rBV4  | 3528        | 6125       | 0.14%        | 0.013%     |
| 8      | 5.646    | 447        | 452      | 455       | rBV4  | 6586        | 9081       | 0.21%        | 0.019%     |
| 9      | 5.728    | 462        | 466      | 469       | rBV4  | 4687        | 6957       | 0.16%        | 0.015%     |
| 10     | 6.299    | 557        | 563      | 568       | rVB6  | 12106       | 17713      | 0.40%        | 0.037%     |
| 11     | 6.475    | 590        | 593      | 596       | rBV3  | 5394        | 7989       | 0.18%        | 0.017%     |
| 12     | 6.610    | 610        | 616      | 617       | rBV5  | 7871        | 11957      | 0.27%        | 0.025%     |
| 13     | 6.628    | 617        | 619      | 622       | rVV4  | 6245        | 7670       | 0.18%        | 0.016%     |
| 14     | 6.781    | 636        | 645      | 656       | rBV   | 463102      | 746348     | 17.04%       | 1.565%     |
| 15     | 6.946    | 666        | 673      | 685       | rBV   | 382869      | 598016     | 13.66%       | 1.254%     |
| 16     | 7.134    | 699        | 705      | 715       | rVB   | 496208      | 771758     | 17.62%       | 1.618%     |
| 17     | 7.234    | 718        | 722      | 728       | rBV2  | 31840       | 57660      | 1.32%        | 0.121%     |
| 18     | 7.599    | 776        | 784      | 794       | rBV   | 1013422     | 1577861    | 36.03%       | 3.309%     |
| 19     | 8.304    | 898        | 904      | 912       | rBV   | 559537      | 869187     | 19.85%       | 1.823%     |
| 20     | 8.422    | 919        | 924      | 927       | rVB4  | 8501        | 11776      | 0.27%        | 0.025%     |
| 21     | 8.746    | 973        | 979      | 990       | rBV   | 446372      | 740793     | 16.92%       | 1.553%     |
| 22     | 8.916    | 1004       | 1008     | 1012      | rBV6  | 5648        | 9625       | 0.22%        | 0.020%     |
| 23     | 9.175    | 1047       | 1052     | 1056      | rVB6  | 6323        | 8678       | 0.20%        | 0.018%     |
| 24     | 9.463    | 1095       | 1101     | 1109      | rBV   | 374300      | 614883     | 14.04%       | 1.289%     |
| 25     | 9.998    | 1184       | 1192     | 1201      | rBV   | 532192      | 888020     | 20.28%       | 1.862%     |
| 26     | 10.369   | 1247       | 1255     | 1269      | rBV   | 1374858     | 2250331    | 51.38%       | 4.719%     |
| 27     | 10.510   | 1273       | 1279     | 1295      | rVV   | 401822      | 779123     | 17.79%       | 1.634%     |
| 28     | 10.622   | 1295       | 1298     | 1299      | rVV3  | 6248        | 6651       | 0.15%        | 0.014%     |
| 29     | 11.175   | 1387       | 1392     | 1394      | rBV3  | 5098        | 8749       | 0.20%        | 0.018%     |
| 30     | 11.969   | 1523       | 1527     | 1529      | rBV4  | 6121        | 6712       | 0.15%        | 0.014%     |
| 31     | 12.587   | 1623       | 1632     | 1638      | rBV5  | 5495        | 12418      | 0.28%        | 0.026%     |
| 32     | 12.710   | 1647       | 1653     | 1656      | rBV5  | 4021        | 7012       | 0.16%        | 0.015%     |
| 33     | 12.845   | 1672       | 1676     | 1679      | rVB3  | 8010        | 9139       | 0.21%        | 0.019%     |
| 34     | 13.139   | 1722       | 1726     | 1731      | rBV6  | 11611       | 19639      | 0.45%        | 0.041%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.563 | 1795 | 1798 | 1802 | rVB5 | 11772   | 14522   | 0.33%  | 0.030% |
| 36 | 13.657 | 1808 | 1814 | 1818 | rBV  | 1069523 | 1416714 | 32.35% | 2.971% |
| 37 | 13.704 | 1818 | 1822 | 1830 | rVB  | 518772  | 685213  | 15.65% | 1.437% |
| 38 | 13.934 | 1854 | 1861 | 1870 | rBV  | 1036677 | 1477649 | 33.74% | 3.099% |
| 39 | 14.098 | 1885 | 1889 | 1895 | rVV6 | 4850    | 7282    | 0.17%  | 0.015% |
| 40 | 14.157 | 1895 | 1899 | 1904 | rVB4 | 5058    | 7770    | 0.18%  | 0.016% |
| 41 | 14.239 | 1904 | 1913 | 1921 | rBV  | 1988915 | 2927912 | 66.86% | 6.140% |
| 42 | 14.304 | 1921 | 1924 | 1929 | rVB3 | 13937   | 22549   | 0.51%  | 0.047% |
| 43 | 14.451 | 1943 | 1949 | 1961 | rVV  | 229941  | 412713  | 9.42%  | 0.865% |
| 44 | 14.651 | 1978 | 1983 | 1984 | rBV4 | 5424    | 6709    | 0.15%  | 0.014% |
| 45 | 14.675 | 1984 | 1987 | 1994 | rVV7 | 10636   | 14677   | 0.34%  | 0.031% |
| 46 | 15.239 | 2076 | 2083 | 2089 | rBV  | 1351142 | 1917585 | 43.79% | 4.021% |
| 47 | 15.298 | 2089 | 2093 | 2099 | rVV4 | 18392   | 31614   | 0.72%  | 0.066% |
| 48 | 15.363 | 2099 | 2104 | 2117 | rVV  | 316500  | 462908  | 10.57% | 0.971% |
| 49 | 15.481 | 2119 | 2124 | 2129 | rVB5 | 13568   | 22163   | 0.51%  | 0.046% |
| 50 | 15.592 | 2140 | 2143 | 2151 | rBV8 | 7301    | 16984   | 0.39%  | 0.036% |
| 51 | 15.969 | 2205 | 2207 | 2211 | rBV4 | 10227   | 13690   | 0.31%  | 0.029% |
| 52 | 16.022 | 2214 | 2216 | 2220 | rVB5 | 5747    | 7027    | 0.16%  | 0.015% |
| 53 | 16.198 | 2244 | 2246 | 2251 | rBV5 | 5716    | 8032    | 0.18%  | 0.017% |
| 54 | 16.645 | 2319 | 2322 | 2326 | rBV4 | 10665   | 16490   | 0.38%  | 0.035% |
| 55 | 16.716 | 2332 | 2334 | 2337 | rBV3 | 6413    | 7207    | 0.16%  | 0.015% |
| 56 | 16.775 | 2340 | 2344 | 2347 | rVV5 | 8991    | 18336   | 0.42%  | 0.038% |
| 57 | 16.810 | 2347 | 2350 | 2355 | rVB4 | 15335   | 18354   | 0.42%  | 0.038% |
| 58 | 16.992 | 2374 | 2381 | 2385 | rBV  | 2305584 | 3320984 | 75.83% | 6.964% |
| 59 | 17.033 | 2385 | 2388 | 2392 | rVV  | 340359  | 436175  | 9.96%  | 0.915% |
| 60 | 17.086 | 2392 | 2397 | 2410 | rVV  | 1346303 | 1982978 | 45.28% | 4.158% |
| 61 | 17.186 | 2410 | 2414 | 2419 | rVV5 | 17119   | 28426   | 0.65%  | 0.060% |
| 62 | 17.398 | 2442 | 2450 | 2453 | rBV3 | 26663   | 48979   | 1.12%  | 0.103% |
| 63 | 17.510 | 2464 | 2469 | 2472 | rBV4 | 13207   | 19855   | 0.45%  | 0.042% |
| 64 | 17.669 | 2494 | 2496 | 2499 | rVB3 | 8651    | 6436    | 0.15%  | 0.013% |
| 65 | 17.704 | 2499 | 2502 | 2504 | rBV4 | 8187    | 10015   | 0.23%  | 0.021% |
| 66 | 17.863 | 2525 | 2529 | 2531 | rBV2 | 44410   | 59135   | 1.35%  | 0.124% |
| 67 | 17.898 | 2531 | 2535 | 2544 | rVV3 | 110936  | 241363  | 5.51%  | 0.506% |
| 68 | 17.969 | 2544 | 2547 | 2549 | rVV  | 23336   | 30112   | 0.69%  | 0.063% |
| 69 | 17.992 | 2549 | 2551 | 2556 | rVV4 | 22180   | 29156   | 0.67%  | 0.061% |
| 70 | 18.057 | 2556 | 2562 | 2566 | rVV3 | 91682   | 153694  | 3.51%  | 0.322% |
| 71 | 18.098 | 2566 | 2569 | 2574 | rVB  | 35495   | 48181   | 1.10%  | 0.101% |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN101720.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 18.374 | 2612 | 2616 | 2619 | rBV  | 47187   | 66466   | 1.52%   | 0.139% |
| 73  | 18.410 | 2619 | 2622 | 2630 | rVB5 | 47226   | 75503   | 1.72%   | 0.158% |
| 74  | 18.616 | 2655 | 2657 | 2662 | rVB5 | 14066   | 12982   | 0.30%   | 0.027% |
| 75  | 18.710 | 2670 | 2673 | 2677 | rVB6 | 16792   | 20185   | 0.46%   | 0.042% |
| 76  | 18.792 | 2684 | 2687 | 2691 | rVB5 | 37269   | 48667   | 1.11%   | 0.102% |
| 77  | 18.839 | 2693 | 2695 | 2696 | rVV2 | 22446   | 17017   | 0.39%   | 0.036% |
| 78  | 18.880 | 2700 | 2702 | 2706 | rVB3 | 17260   | 15527   | 0.35%   | 0.033% |
| 79  | 18.927 | 2706 | 2710 | 2717 | rBV5 | 40494   | 80486   | 1.84%   | 0.169% |
| 80  | 19.051 | 2726 | 2731 | 2737 | rVB  | 1126812 | 1447798 | 33.06%  | 3.036% |
| 81  | 19.386 | 2783 | 2788 | 2792 | rBV  | 1714089 | 2642386 | 60.34%  | 5.541% |
| 82  | 19.416 | 2792 | 2793 | 2803 | rVV  | 868369  | 881697  | 20.13%  | 1.849% |
| 83  | 19.492 | 2803 | 2806 | 2812 | rVB3 | 42086   | 66619   | 1.52%   | 0.140% |
| 84  | 19.598 | 2821 | 2824 | 2830 | rVB  | 54976   | 77736   | 1.78%   | 0.163% |
| 85  | 19.921 | 2875 | 2879 | 2882 | rVB  | 128385  | 163434  | 3.73%   | 0.343% |
| 86  | 19.951 | 2882 | 2884 | 2889 | rVB3 | 50228   | 53853   | 1.23%   | 0.113% |
| 87  | 20.021 | 2892 | 2896 | 2900 | rBV  | 123766  | 155383  | 3.55%   | 0.326% |
| 88  | 20.074 | 2903 | 2905 | 2909 | rVB2 | 80639   | 81198   | 1.85%   | 0.170% |
| 89  | 20.674 | 3003 | 3007 | 3012 | rVB3 | 71606   | 110420  | 2.52%   | 0.232% |
| 90  | 20.839 | 3031 | 3035 | 3037 | rBV  | 205196  | 281190  | 6.42%   | 0.590% |
| 91  | 20.916 | 3044 | 3048 | 3054 | rBV2 | 475795  | 689683  | 15.75%  | 1.446% |
| 92  | 20.974 | 3055 | 3058 | 3065 | rVB2 | 188684  | 236590  | 5.40%   | 0.496% |
| 93  | 21.051 | 3066 | 3071 | 3076 | rBV5 | 213566  | 451851  | 10.32%  | 0.948% |
| 94  | 21.186 | 3088 | 3094 | 3098 | rBV2 | 3065565 | 4379452 | 100.00% | 9.184% |
| 95  | 21.221 | 3098 | 3100 | 3108 | rVB  | 600944  | 705254  | 16.10%  | 1.479% |
| 96  | 21.774 | 3191 | 3194 | 3197 | rBV3 | 341715  | 471697  | 10.77%  | 0.989% |
| 97  | 22.715 | 3349 | 3354 | 3358 | rBV  | 1273084 | 2148941 | 49.07%  | 4.506% |
| 98  | 23.221 | 3436 | 3440 | 3444 | rBV  | 1024659 | 1625169 | 37.11%  | 3.408% |
| 99  | 23.362 | 3458 | 3464 | 3470 | rBV2 | 2007974 | 3513099 | 80.22%  | 7.367% |
| 100 | 23.880 | 3548 | 3552 | 3561 | rVB  | 550441  | 1012216 | 23.11%  | 2.123% |

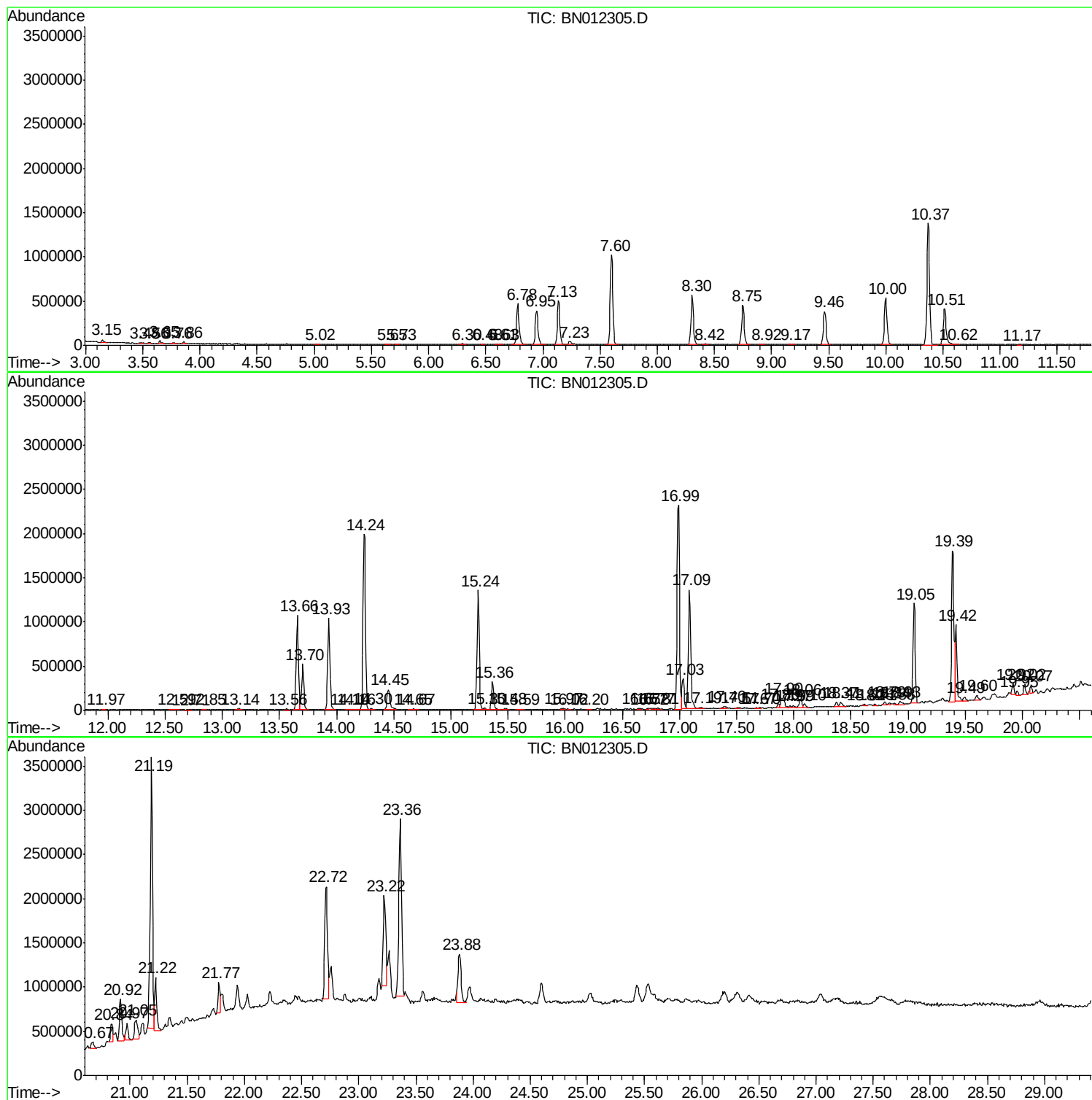
Sum of corrected areas: 47687811

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN101720.M  
Quant Title : SVOA CALIBRATION

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



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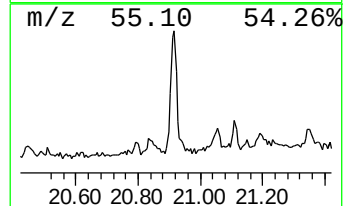
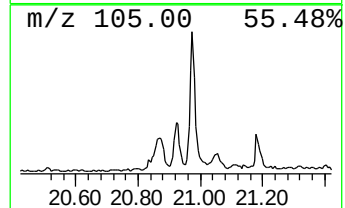
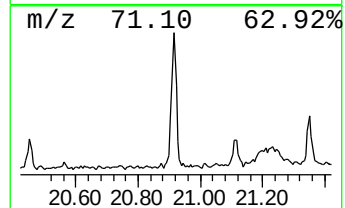
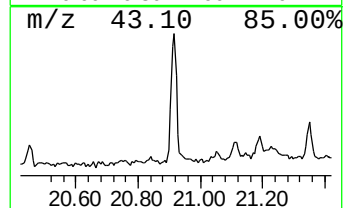
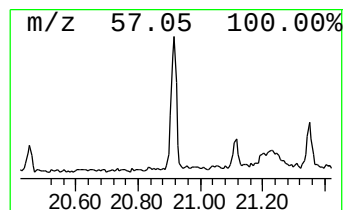
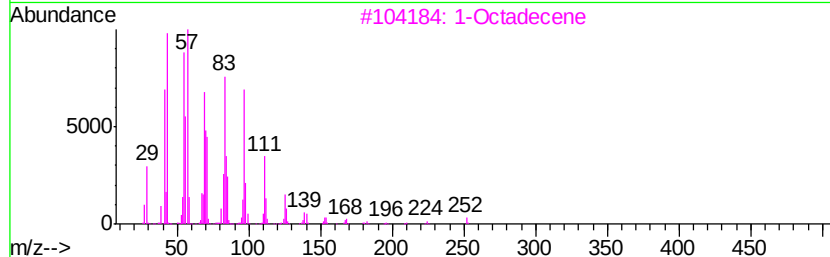
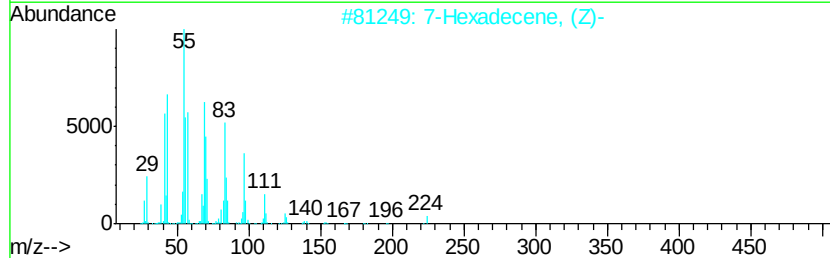
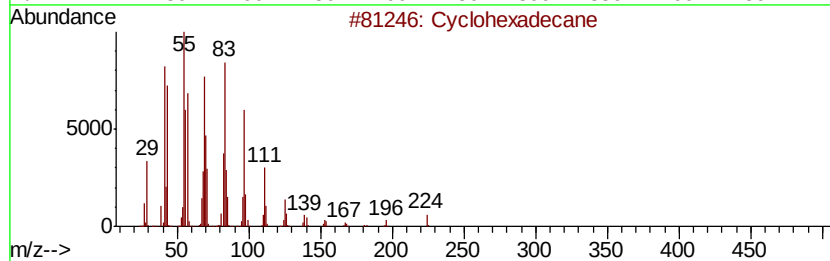
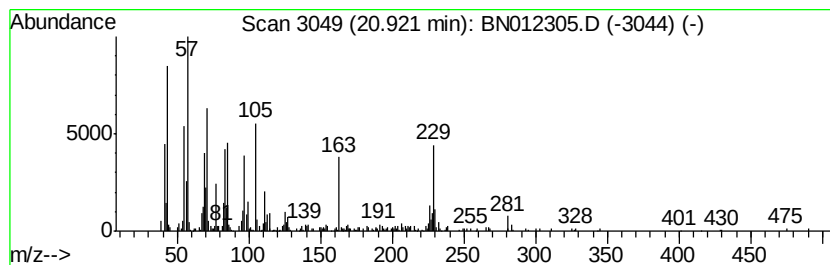
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN101720.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 (DEL) Alkane: Cyclic20.92 Concentration Rank 2

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 20.92     | 3.15 ng/ul                 | 689683 | Chrysene-d12     | 21.19       |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | Cyclohexadecane            | 224    | C16H32           | 000295-65-8 | 95   |
| 2         | 7-Hexadecene, (Z)-         | 224    | C16H32           | 035507-09-6 | 81   |
| 3         | 1-Octadecene               | 252    | C18H36           | 000112-88-9 | 80   |
| 4         | 1-Decanol, 2-hexyl-        | 242    | C16H34O          | 002425-77-6 | 76   |
| 5         | Ethanol, 2-(octadecyloxy)- | 314    | C20H42O2         | 002136-72-3 | 76   |



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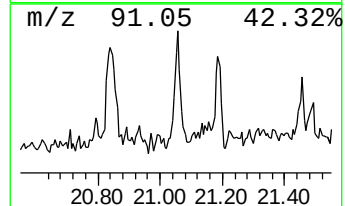
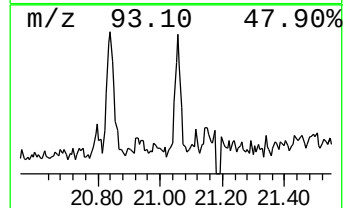
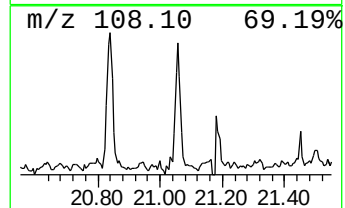
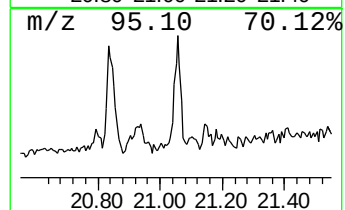
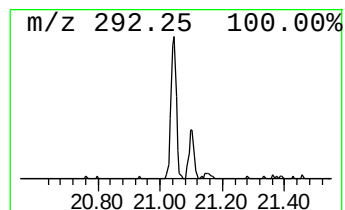
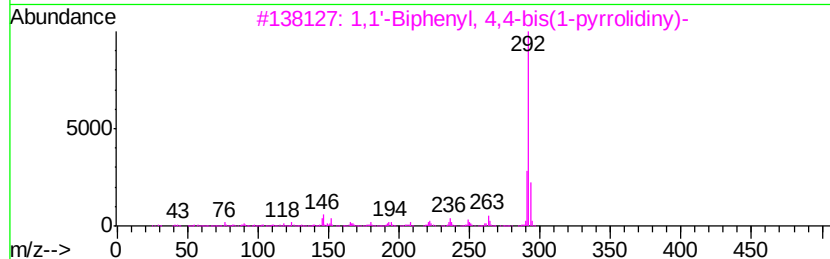
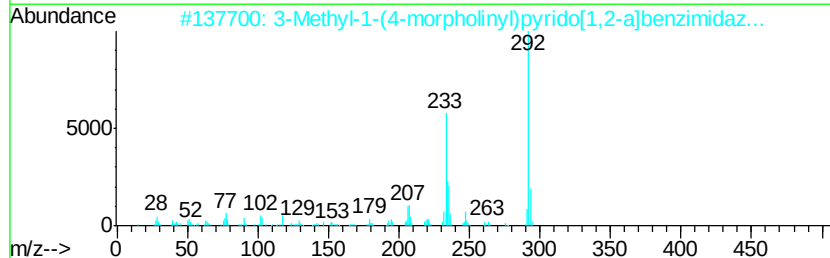
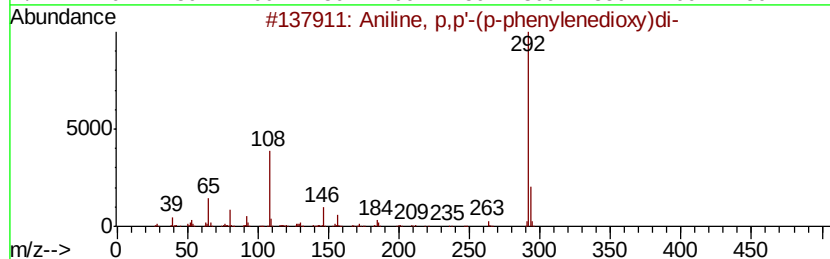
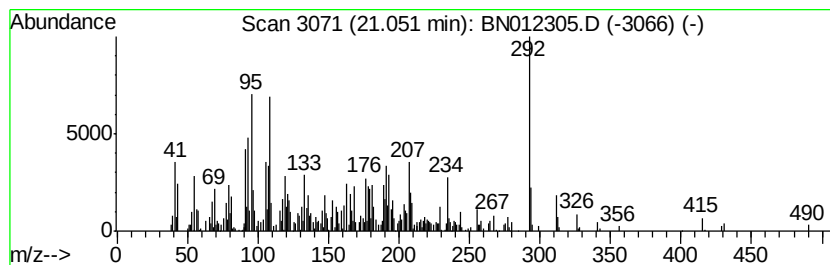
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown-01 Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.05 | 2.06 ng/ul | 451851 | Chrysene-d12     | 21.19 |

| Hit# | of | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|--------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Aniline, p,p'-(p-phenylenedioxy)di-  | 292 | C18H16N2O2 | 003491-12-1  | 45   |
| 2    |    | 3-Methyl-1-(4-morpholinyl)pyrido...  | 292 | C17H16N4O  | 1000331-84-7 | 43   |
| 3    |    | 1,1'-Biphenyl, 4,4-bis(1-pyrroli...  | 292 | C20H24N2   | 1000193-54-6 | 30   |
| 4    |    | Benzoxazole, 2-[ (2,3-dihydro-3,5... | 292 | C18H16N2O2 | 024261-18-5  | 30   |
| 5    |    | Benzonitrile, 2-[1,5-dihydro-3-(...  | 292 | C16H12N4O2 | 1000349-81-5 | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\  
Data File : BN012305.D  
Acq On : 17 Oct 2020 23:10  
Operator : CG/JU  
Sample : L4235-15  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN101720.M  
Quant Title : SVOA CALIBRATION

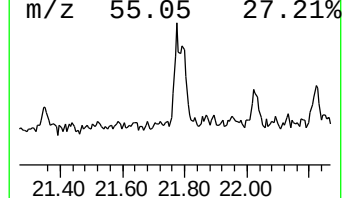
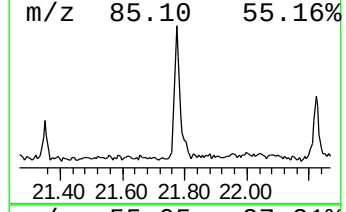
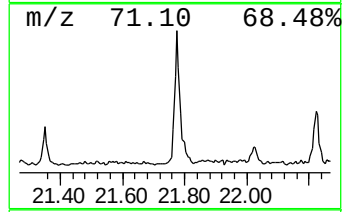
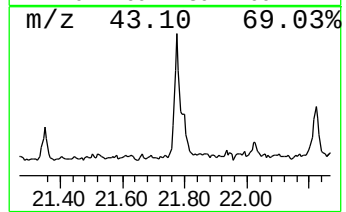
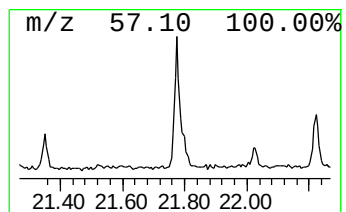
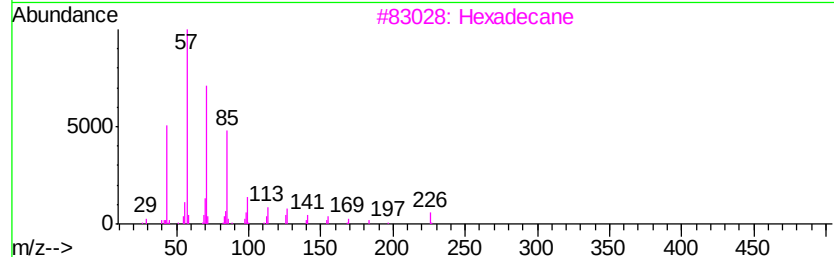
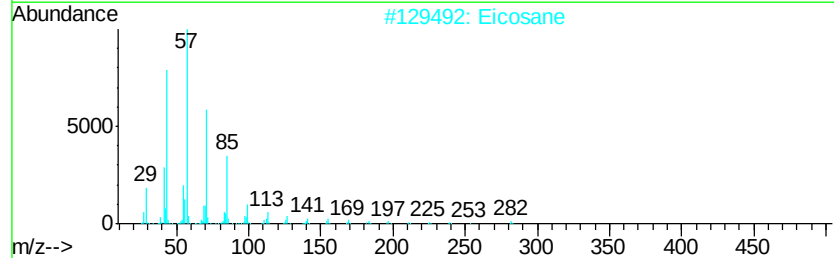
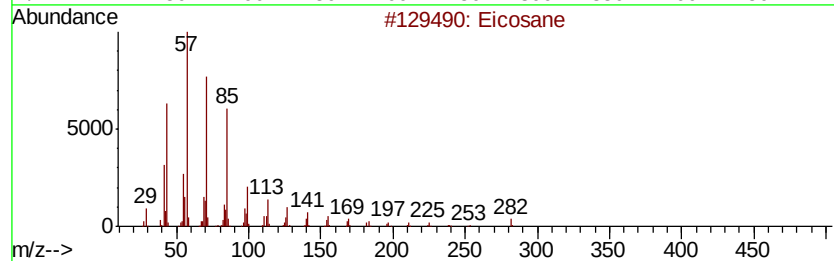
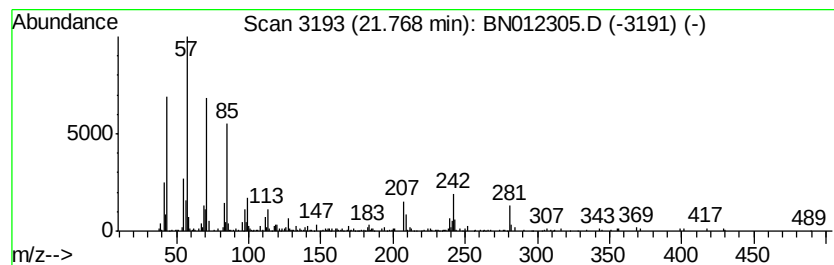
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.77 | 2.15 ng/ul | 471697 | Chrysene-d12     | 21.19 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane     | 282 | C20H42  | 000112-95-8 | 89   |
| 2    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 78   |
| 3    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 76   |
| 4    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 68   |
| 5    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 68   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\  
Data File : BN012305.D  
Acq On : 17 Oct 2020 23:10  
Operator : CG/JU  
Sample : L4235-15  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN101720.M  
Quant Title : SVOA CALIBRATION

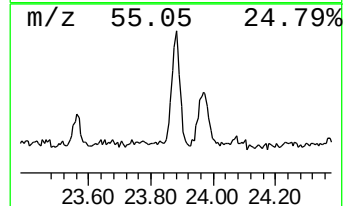
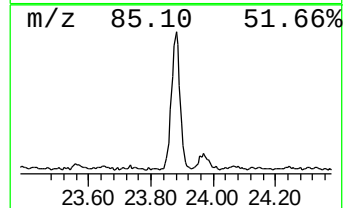
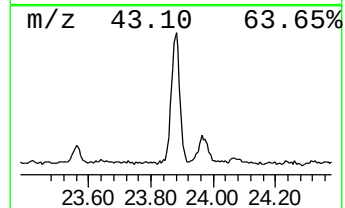
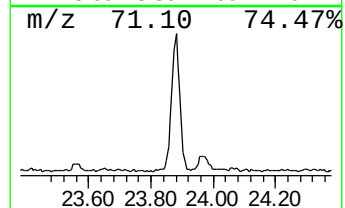
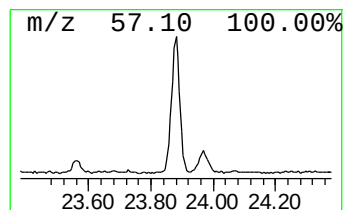
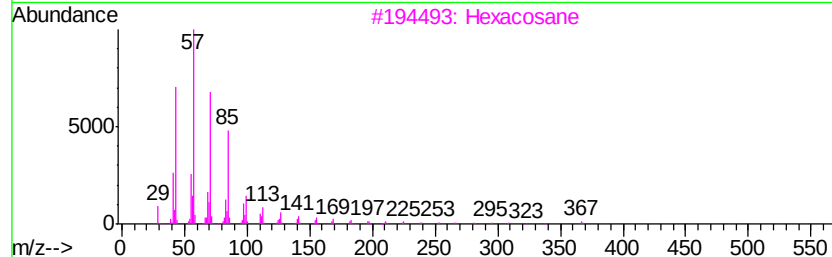
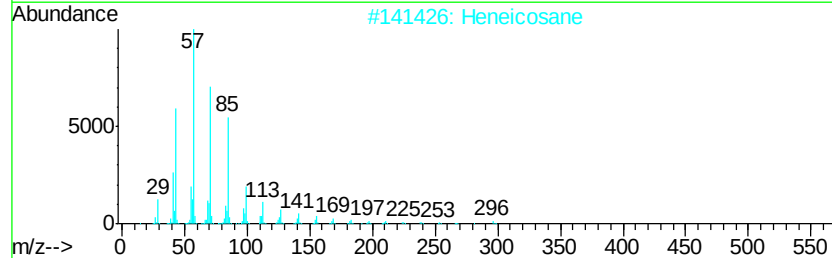
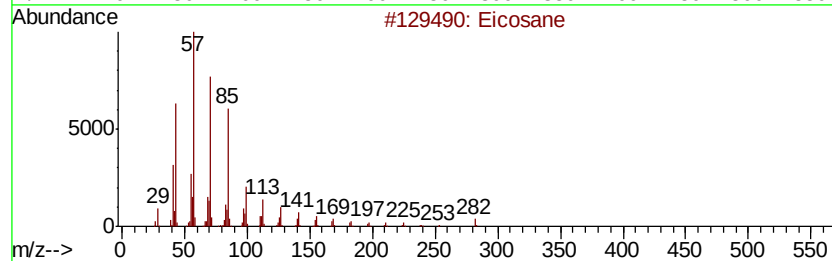
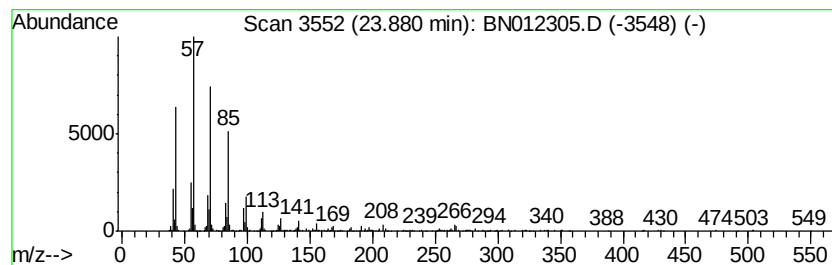
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.88 | 5.76 ng/ul | 1012220 | Perylene-d12     | 23.36 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Eicosane     | 282 | C20H42  | 000112-95-8 | 93   |
| 2    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    |   | Hexacosane   | 366 | C26H54  | 000630-01-3 | 90   |
| 4    |    |   | Octacosane   | 394 | C28H58  | 000630-02-4 | 87   |
| 5    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 87   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN101720\  
Data File : BN012305.D  
Acq On : 17 Oct 2020 23:10  
Operator : CG/JU  
Sample : L4235-15  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AQ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN101720.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 |
| (DEL) Alkane: Cyc... | 20.92 | 3.1     | ng/ul | 689683   | 5                     | 21.19 | 4379450 | 20.0 |
| unknown-01           | 21.05 | 2.1     | ng/ul | 451851   | 5                     | 21.19 | 4379450 | 20.0 |
| (DEL) Alkane: Str... | 21.77 | 2.1     | ng/ul | 471697   | 5                     | 21.19 | 4379450 | 20.0 |
| (DEL) Alkane: Str... | 23.88 | 5.8     | ng/ul | 1012220  | 6                     | 23.36 | 3513100 | 20.0 |