

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
 Data File : BN001922.D  
 Acq On : 29 Jun 2018 12:07  
 Operator : JU/SJ  
 Sample : J3661-07  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 X2D25

## 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-BN061918.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      | 3.023    | 3          | 6        | 26        | rVB   | 823725      | 1518724    | 2.55%        | 0.238%     |
| 2      | 3.270    | 44         | 48       | 57        | rVB   | 102841      | 161018     | 0.27%        | 0.025%     |
| 3      | 4.293    | 217        | 222      | 240       | rVB   | 997082      | 1526266    | 2.57%        | 0.239%     |
| 4      | 4.875    | 315        | 321      | 333       | rBV   | 1861230     | 2799685    | 4.71%        | 0.439%     |
| 5      | 6.863    | 651        | 659      | 675       | rBV2  | 6780865     | 15224501   | 25.59%       | 2.386%     |
| 6      | 7.052    | 683        | 691      | 702       | rBV   | 2073087     | 3265804    | 5.49%        | 0.512%     |
| 7      | 7.246    | 715        | 724      | 726       | rBV   | 2669791     | 4397009    | 7.39%        | 0.689%     |
| 8      | 7.275    | 726        | 729      | 737       | rVV   | 5315901     | 8102304    | 13.62%       | 1.270%     |
| 9      | 7.340    | 737        | 740      | 747       | rVB   | 45375       | 78614      | 0.13%        | 0.012%     |
| 10     | 7.710    | 793        | 803      | 810       | rBV   | 2177414     | 3695704    | 6.21%        | 0.579%     |
| 11     | 8.410    | 914        | 922      | 927       | rBV   | 3404732     | 5456799    | 9.17%        | 0.855%     |
| 12     | 8.463    | 927        | 931      | 936       | rVV   | 2177421     | 3457862    | 5.81%        | 0.542%     |
| 13     | 8.522    | 936        | 941      | 956       | rVB   | 6311534     | 10341338   | 17.38%       | 1.621%     |
| 14     | 8.775    | 977        | 984      | 991       | rBV   | 3841385     | 6467709    | 10.87%       | 1.014%     |
| 15     | 8.852    | 991        | 997      | 1006      | rVV   | 2558909     | 4291707    | 7.21%        | 0.673%     |
| 16     | 8.969    | 1009       | 1017     | 1022      | rVV3  | 48964       | 97682      | 0.16%        | 0.015%     |
| 17     | 9.299    | 1066       | 1073     | 1080      | rVB   | 71133       | 111296     | 0.19%        | 0.017%     |
| 18     | 9.569    | 1111       | 1119     | 1133      | rBV   | 2093651     | 3462792    | 5.82%        | 0.543%     |
| 19     | 10.134   | 1202       | 1215     | 1232      | rBV2  | 7872080     | 18507052   | 31.11%       | 2.901%     |
| 20     | 10.481   | 1266       | 1274     | 1278      | rBV   | 3573795     | 6432213    | 10.81%       | 1.008%     |
| 21     | 10.534   | 1278       | 1283     | 1290      | rVV   | 9718731     | 16178133   | 27.20%       | 2.536%     |
| 22     | 10.616   | 1290       | 1297     | 1319      | rVB   | 2688690     | 4646792    | 7.81%        | 0.728%     |
| 23     | 11.351   | 1414       | 1422     | 1425      | rBV3  | 56850       | 103729     | 0.17%        | 0.016%     |
| 24     | 11.434   | 1430       | 1436     | 1447      | rVB4  | 47618       | 141027     | 0.24%        | 0.022%     |
| 25     | 12.010   | 1530       | 1534     | 1538      | rBV   | 63783       | 104081     | 0.17%        | 0.016%     |
| 26     | 12.069   | 1541       | 1544     | 1550      | rVB   | 70162       | 108891     | 0.18%        | 0.017%     |
| 27     | 12.151   | 1550       | 1558     | 1565      | rBV   | 12260179    | 19962285   | 33.56%       | 3.129%     |
| 28     | 12.369   | 1584       | 1595     | 1600      | rBV   | 154285      | 235102     | 0.40%        | 0.037%     |
| 29     | 12.810   | 1663       | 1670     | 1679      | rBV2  | 164539      | 266193     | 0.45%        | 0.042%     |
| 30     | 12.946   | 1689       | 1693     | 1700      | rBV   | 51074       | 76440      | 0.13%        | 0.012%     |
| 31     | 13.157   | 1723       | 1729     | 1730      | rVV   | 434193      | 588042     | 0.99%        | 0.092%     |
| 32     | 13.210   | 1731       | 1738     | 1749      | rVV   | 13225089    | 20946545   | 35.21%       | 3.283%     |
| 33     | 13.757   | 1824       | 1831     | 1835      | rBV   | 6763231     | 9845352    | 16.55%       | 1.543%     |
| 34     | 13.798   | 1835       | 1838     | 1843      | rVB   | 1032663     | 1319810    | 2.22%        | 0.207%     |

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## Integration Parameters: LSCINT.P

Integrator: RTE  
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 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-BN061918.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 35 | 13.881 | 1848 | 1852 | 1861 | rVB2 | 62304    | 89809    | 0.15%  | 0.014% |
| 36 | 14.028 | 1868 | 1877 | 1888 | rBV  | 7440413  | 11395480 | 19.16% | 1.786% |
| 37 | 14.257 | 1910 | 1916 | 1921 | rBV  | 262596   | 335472   | 0.56%  | 0.053% |
| 38 | 14.340 | 1921 | 1930 | 1935 | rVV2 | 5387900  | 8407450  | 14.13% | 1.318% |
| 39 | 14.404 | 1935 | 1941 | 1949 | rVB  | 10095343 | 14573008 | 24.50% | 2.284% |
| 40 | 14.540 | 1957 | 1964 | 1973 | rBV  | 3388666  | 4955369  | 8.33%  | 0.777% |
| 41 | 14.757 | 1997 | 2001 | 2008 | rVV2 | 95605    | 132407   | 0.22%  | 0.021% |
| 42 | 14.875 | 2017 | 2021 | 2028 | rVB2 | 79127    | 121458   | 0.20%  | 0.019% |
| 43 | 14.945 | 2028 | 2033 | 2038 | rBV2 | 56416    | 76860    | 0.13%  | 0.012% |
| 44 | 15.157 | 2064 | 2069 | 2074 | rBV  | 206230   | 301140   | 0.51%  | 0.047% |
| 45 | 15.210 | 2074 | 2078 | 2084 | rVB  | 686565   | 877410   | 1.48%  | 0.138% |
| 46 | 15.334 | 2092 | 2099 | 2104 | rVV  | 9586543  | 14800572 | 24.88% | 2.320% |
| 47 | 15.392 | 2104 | 2109 | 2114 | rVV  | 11466969 | 16171957 | 27.19% | 2.535% |
| 48 | 15.469 | 2114 | 2122 | 2134 | rVV3 | 9951960  | 17264704 | 29.02% | 2.706% |
| 49 | 15.575 | 2136 | 2140 | 2144 | rVV  | 147179   | 289028   | 0.49%  | 0.045% |
| 50 | 15.622 | 2145 | 2148 | 2158 | rVV2 | 142920   | 318733   | 0.54%  | 0.050% |
| 51 | 15.710 | 2160 | 2163 | 2168 | rVB3 | 63072    | 87050    | 0.15%  | 0.014% |
| 52 | 15.769 | 2169 | 2173 | 2178 | rBV2 | 70503    | 99511    | 0.17%  | 0.016% |
| 53 | 15.834 | 2179 | 2184 | 2189 | rVB4 | 50646    | 82668    | 0.14%  | 0.013% |
| 54 | 16.075 | 2220 | 2225 | 2228 | rBV  | 571723   | 747606   | 1.26%  | 0.117% |
| 55 | 16.239 | 2249 | 2253 | 2258 | rVB2 | 98443    | 142295   | 0.24%  | 0.022% |
| 56 | 16.422 | 2280 | 2284 | 2291 | rBV3 | 61500    | 121496   | 0.20%  | 0.019% |
| 57 | 16.487 | 2291 | 2295 | 2296 | rBV2 | 101277   | 138086   | 0.23%  | 0.022% |
| 58 | 16.569 | 2301 | 2309 | 2314 | rBV  | 13605600 | 19646620 | 33.03% | 3.079% |
| 59 | 16.739 | 2335 | 2338 | 2346 | rVB  | 81437    | 127577   | 0.21%  | 0.020% |
| 60 | 16.869 | 2355 | 2360 | 2363 | rVV  | 467423   | 623964   | 1.05%  | 0.098% |
| 61 | 16.904 | 2363 | 2366 | 2378 | rVB2 | 318611   | 563927   | 0.95%  | 0.088% |
| 62 | 17.086 | 2390 | 2397 | 2400 | rBV  | 6914638  | 10155873 | 17.07% | 1.592% |
| 63 | 17.134 | 2400 | 2405 | 2410 | rVV  | 15915386 | 25209601 | 42.38% | 3.951% |
| 64 | 17.186 | 2410 | 2414 | 2421 | rVB  | 11718024 | 16151314 | 27.15% | 2.531% |
| 65 | 17.498 | 2458 | 2467 | 2480 | rVB  | 19575259 | 30294317 | 50.93% | 4.748% |
| 66 | 17.604 | 2481 | 2485 | 2489 | rBV  | 208000   | 260546   | 0.44%  | 0.041% |
| 67 | 17.733 | 2501 | 2507 | 2510 | rBV2 | 133357   | 236213   | 0.40%  | 0.037% |
| 68 | 17.775 | 2510 | 2514 | 2519 | rVB3 | 168608   | 260436   | 0.44%  | 0.041% |
| 69 | 17.998 | 2547 | 2552 | 2557 | rBV  | 665283   | 927611   | 1.56%  | 0.145% |
| 70 | 18.063 | 2560 | 2563 | 2567 | rVB  | 162247   | 216108   | 0.36%  | 0.034% |
| 71 | 18.304 | 2599 | 2604 | 2614 | rVB2 | 304091   | 463077   | 0.78%  | 0.073% |

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |          |          |         |        |
|-----|--------|------|------|------|------|----------|----------|---------|--------|
| 72  | 18.557 | 2643 | 2647 | 2651 | rVB6 | 52881    | 76185    | 0.13%   | 0.012% |
| 73  | 18.875 | 2697 | 2701 | 2707 | rVB3 | 96295    | 157856   | 0.27%   | 0.025% |
| 74  | 18.951 | 2707 | 2714 | 2718 | rBV2 | 183144   | 372137   | 0.63%   | 0.058% |
| 75  | 19.116 | 2735 | 2742 | 2747 | rBV  | 281000   | 467538   | 0.79%   | 0.073% |
| 76  | 19.286 | 2766 | 2771 | 2779 | rBV  | 285593   | 487288   | 0.82%   | 0.076% |
| 77  | 19.392 | 2786 | 2789 | 2793 | rVB  | 254943   | 355301   | 0.60%   | 0.056% |
| 78  | 19.486 | 2799 | 2805 | 2807 | rBV2 | 12672049 | 18522623 | 31.14%  | 2.903% |
| 79  | 19.522 | 2807 | 2811 | 2816 | rVB  | 22371549 | 31970877 | 53.75%  | 5.011% |
| 80  | 20.057 | 2899 | 2902 | 2905 | rVB  | 100424   | 107363   | 0.18%   | 0.017% |
| 81  | 20.357 | 2949 | 2953 | 2957 | rBV3 | 113777   | 144443   | 0.24%   | 0.023% |
| 82  | 20.433 | 2961 | 2966 | 2971 | rVV  | 20426883 | 24935435 | 41.92%  | 3.908% |
| 83  | 20.486 | 2971 | 2975 | 2981 | rVB3 | 81071    | 138864   | 0.23%   | 0.022% |
| 84  | 20.557 | 2984 | 2987 | 2993 | rVB  | 124409   | 145791   | 0.25%   | 0.023% |
| 85  | 20.792 | 3024 | 3027 | 3030 | rVB  | 69190    | 76841    | 0.13%   | 0.012% |
| 86  | 21.022 | 3060 | 3066 | 3085 | rBV2 | 1451950  | 2931704  | 4.93%   | 0.460% |
| 87  | 21.222 | 3095 | 3100 | 3105 | rBV  | 24520510 | 28348199 | 47.66%  | 4.443% |
| 88  | 21.286 | 3106 | 3111 | 3119 | rVB  | 9463380  | 11840870 | 19.91%  | 1.856% |
| 89  | 21.463 | 3137 | 3141 | 3150 | rBV  | 871735   | 992014   | 1.67%   | 0.155% |
| 90  | 21.904 | 3211 | 3216 | 3226 | rVB  | 1828012  | 2304336  | 3.87%   | 0.361% |
| 91  | 22.369 | 3290 | 3295 | 3302 | rVB  | 2812999  | 3826021  | 6.43%   | 0.600% |
| 92  | 22.874 | 3376 | 3381 | 3387 | rBV  | 3964021  | 5529507  | 9.30%   | 0.867% |
| 93  | 23.380 | 3459 | 3467 | 3473 | rBV  | 10067297 | 19490312 | 32.77%  | 3.055% |
| 94  | 23.445 | 3473 | 3478 | 3484 | rVV  | 3780185  | 6402025  | 10.76%  | 1.003% |
| 95  | 23.521 | 3484 | 3491 | 3504 | rVB  | 6134131  | 11876175 | 19.97%  | 1.861% |
| 96  | 24.098 | 3581 | 3589 | 3597 | rBV  | 3047579  | 6196037  | 10.42%  | 0.971% |
| 97  | 24.839 | 3708 | 3715 | 3727 | rVB  | 1917485  | 4251305  | 7.15%   | 0.666% |
| 98  | 25.792 | 3856 | 3877 | 3893 | rBV2 | 17542161 | 59484402 | 100.00% | 9.323% |
| 99  | 26.457 | 3976 | 3990 | 4002 | rVB  | 7698514  | 24772916 | 41.65%  | 3.883% |
| 100 | 26.733 | 4032 | 4037 | 4049 | rVB2 | 427186   | 1226279  | 2.06%   | 0.192% |

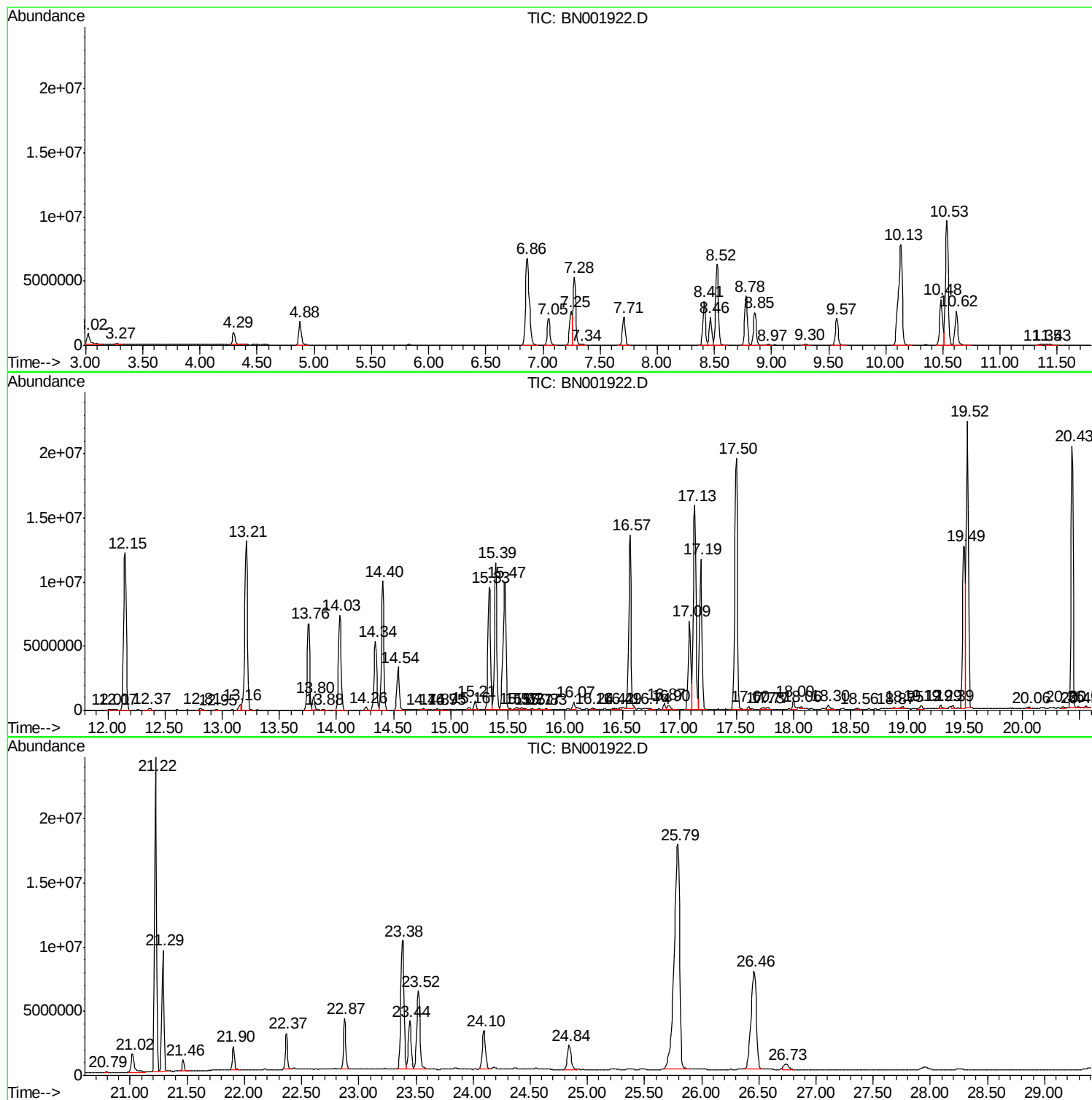
Sum of corrected areas: 638015898

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
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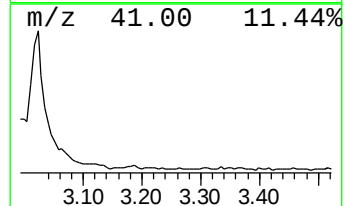
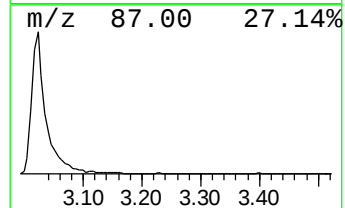
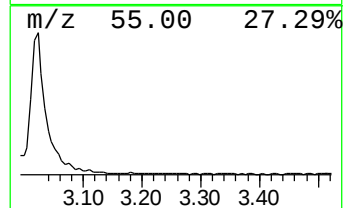
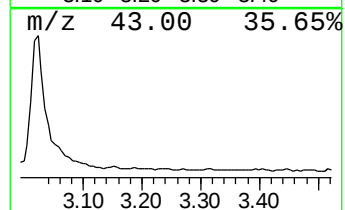
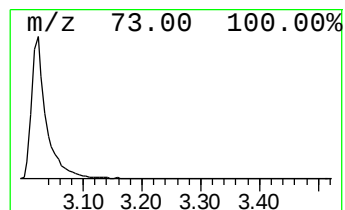
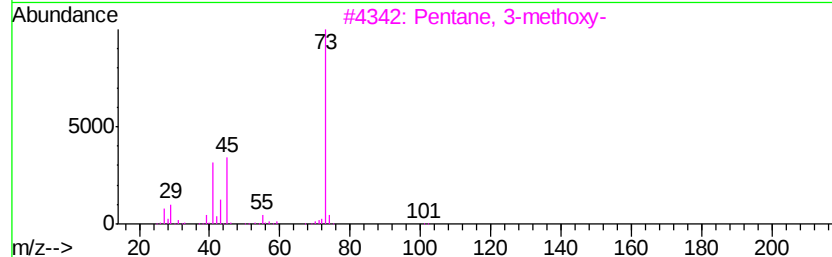
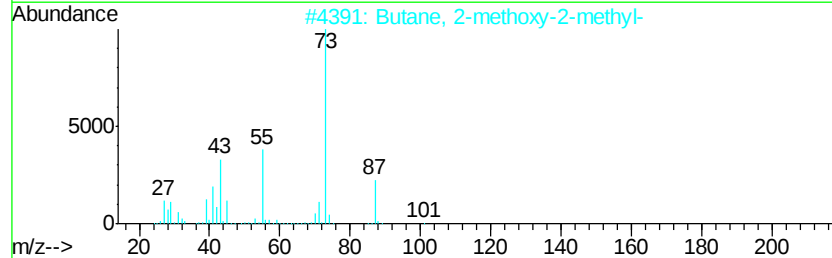
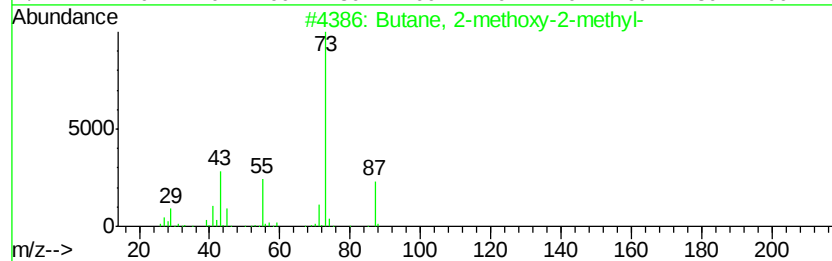
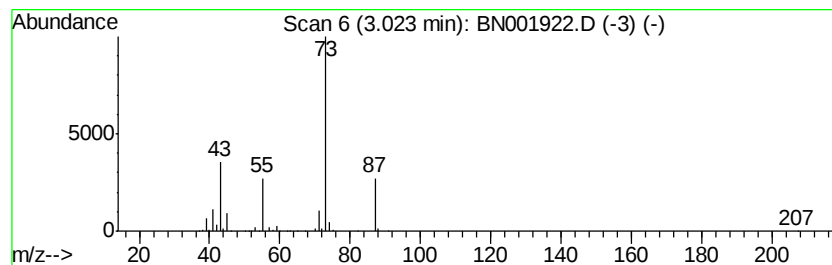
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

| R.T. | EstConc    | Area    | Relative to ISTD       | R.T. |
|------|------------|---------|------------------------|------|
| 3.02 | 8.22 ng/ul | 1518720 | 1,4-Dichlorobenzene-d4 | 7.71 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 59   |
| 3    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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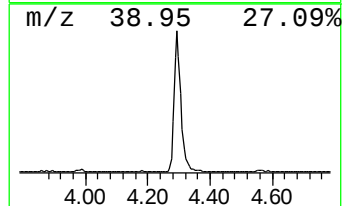
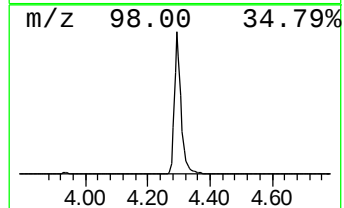
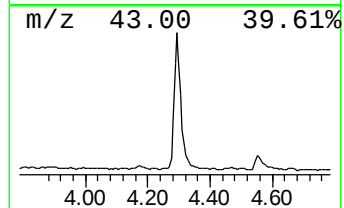
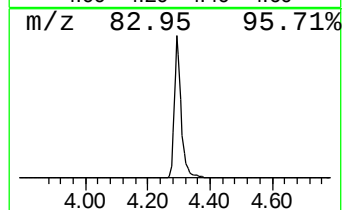
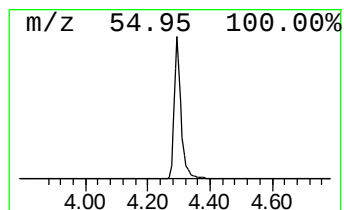
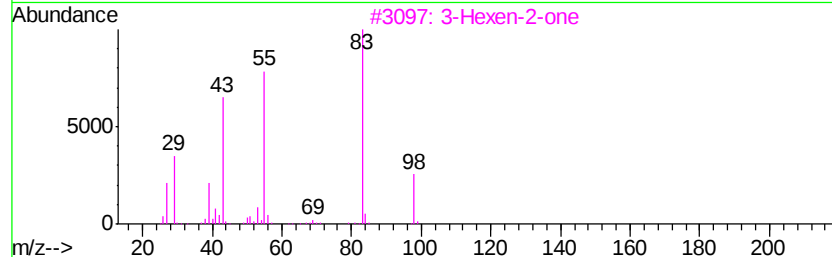
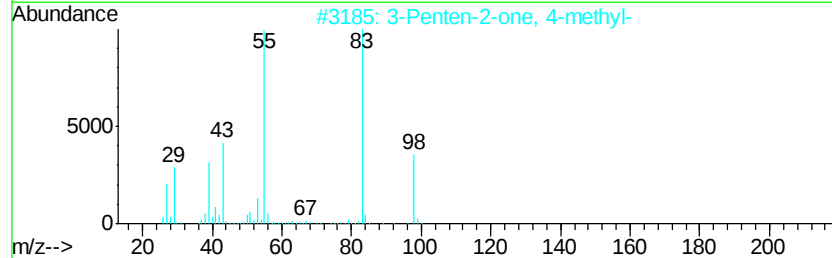
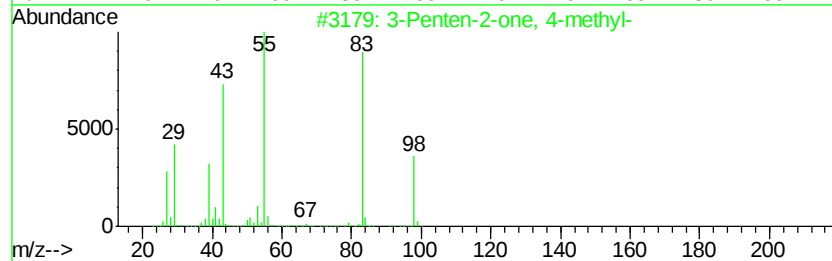
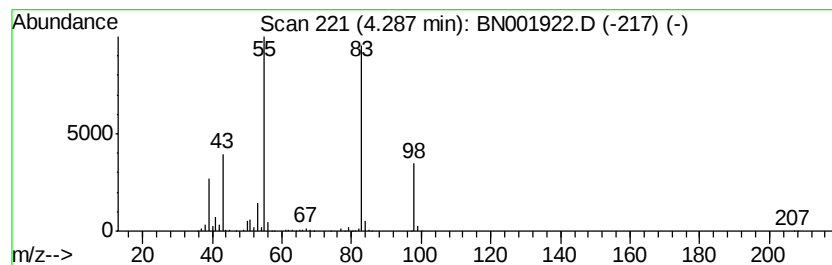
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 5

| R.T. | EstConc    | Area    | Relative to ISTD       | R.T. |
|------|------------|---------|------------------------|------|
| 4.29 | 8.26 ng/ul | 1526270 | 1,4-Dichlorobenzene-d4 | 7.71 |

| Hit# | of | 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 91   |
| 2    |    |   | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 91   |
| 3    |    |   | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 91   |
| 4    |    |   | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 90   |
| 5    |    |   | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14   | 004914-92-5 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

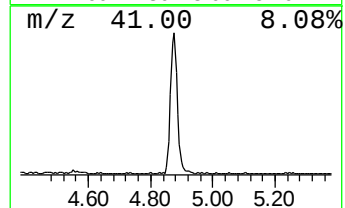
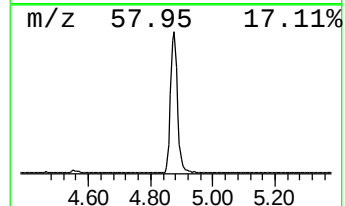
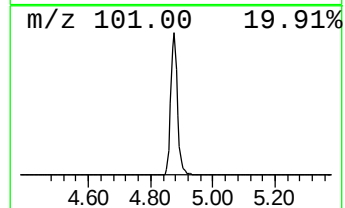
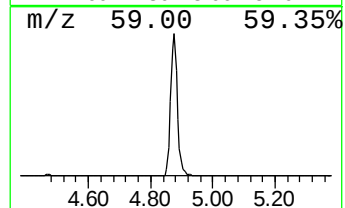
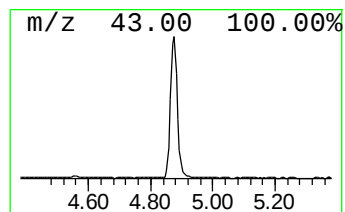
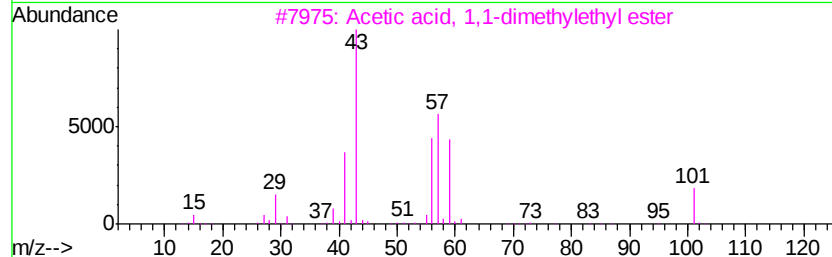
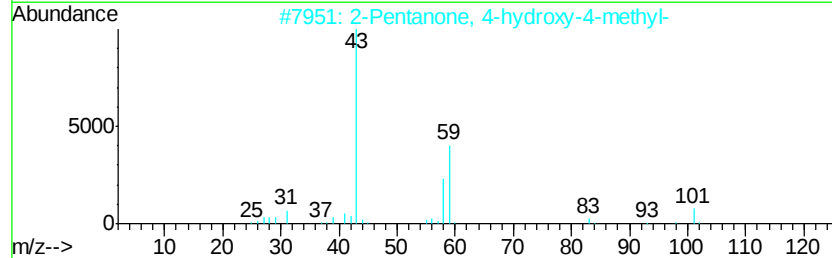
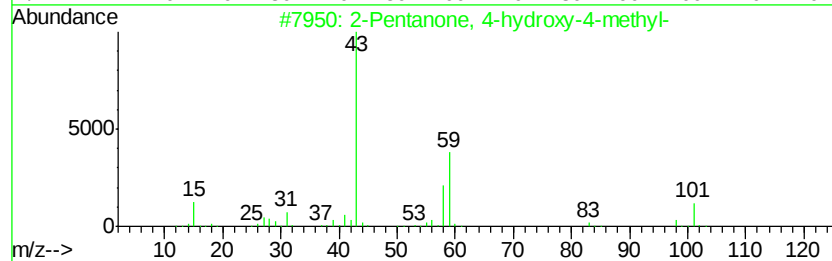
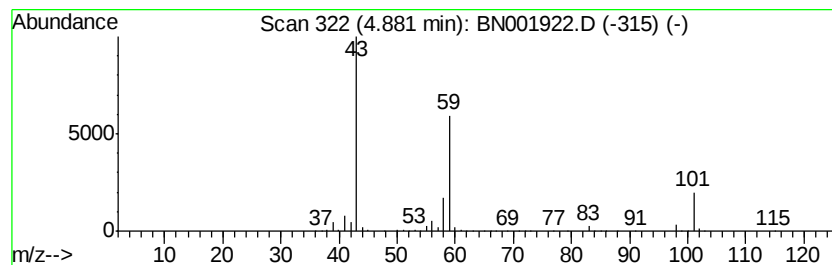
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TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 4.88 | 15.15 ng/ul | 2799690 | 1,4-Dichlorobenzene-d4 | 7.71 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 53   |
| 2    |    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 42   |
| 3    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39   |
| 4    |    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 32   |
| 5    |    | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 23   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

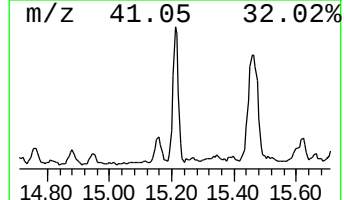
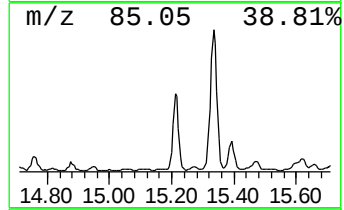
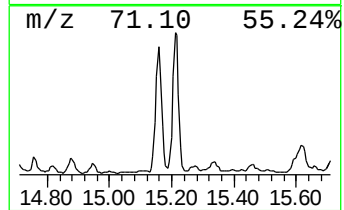
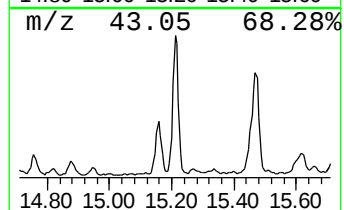
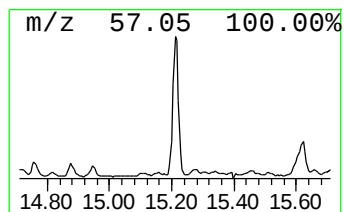
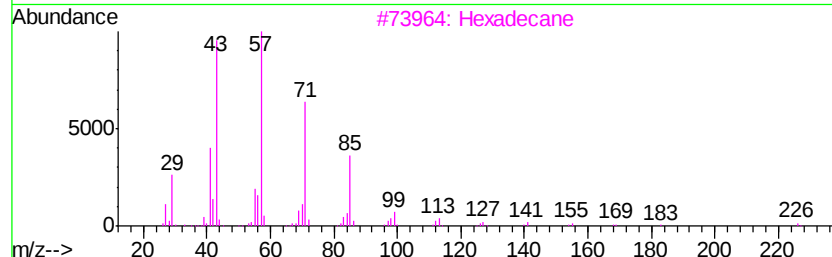
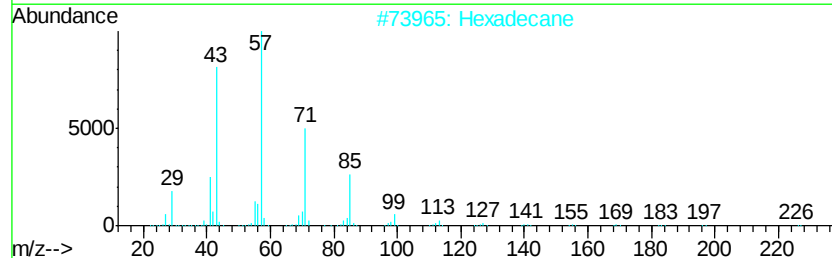
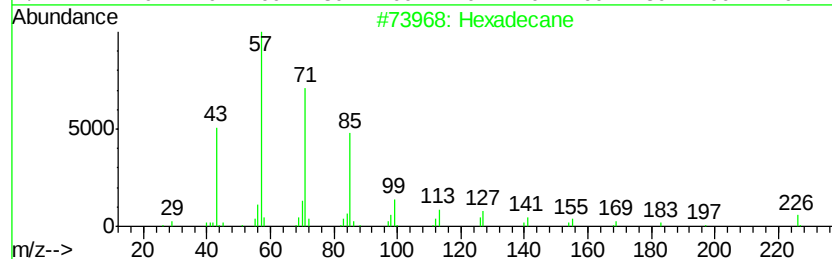
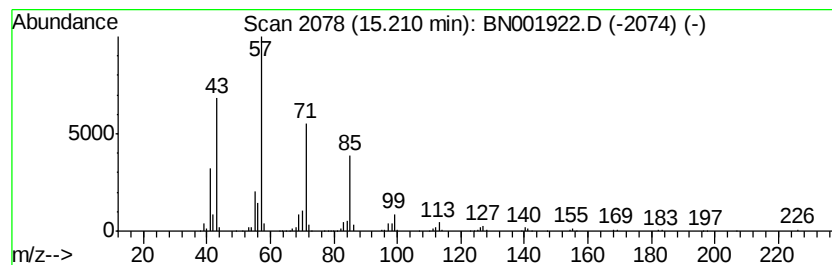
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.21 | 2.09 ng/ul | 877410 | Acenaphthene-d10 | 14.34 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane   | 226 | C16H34  | 000544-76-3 | 97   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 97   |
| 3    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 94   |
| 4    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 93   |
| 5    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

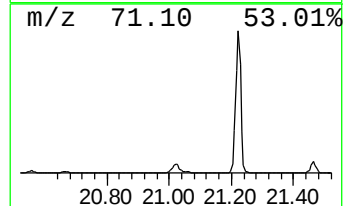
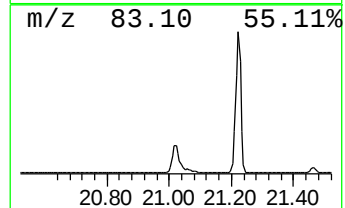
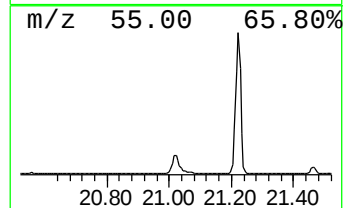
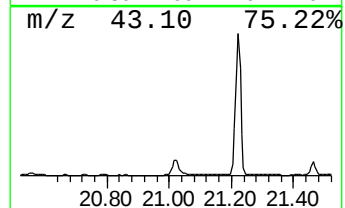
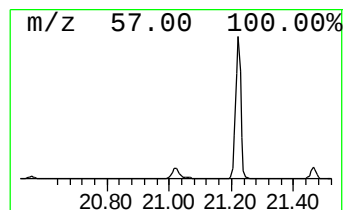
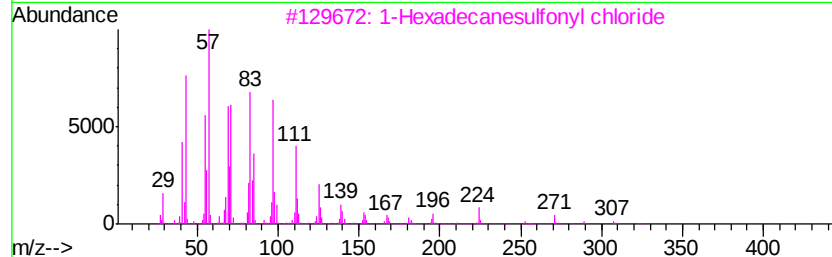
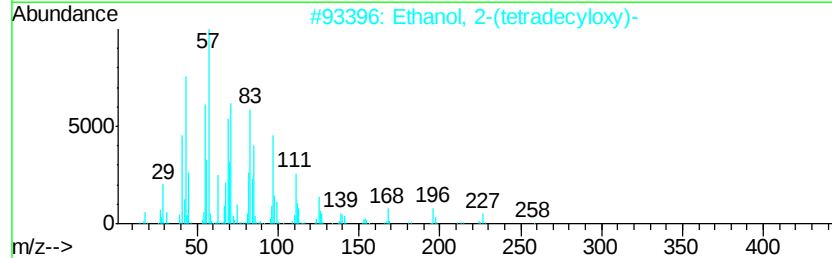
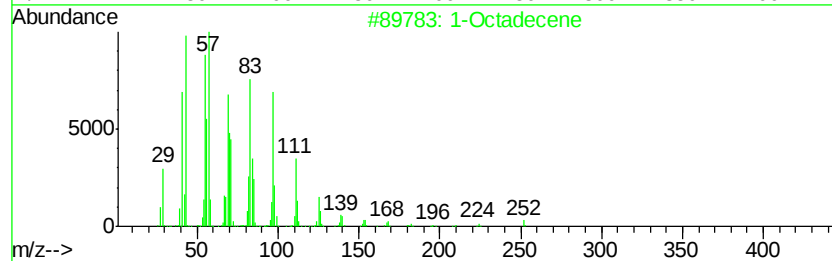
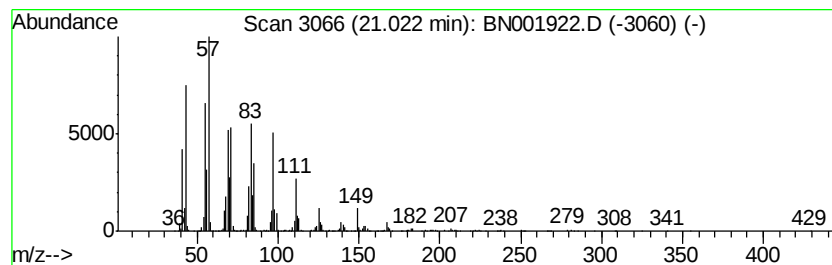
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Cyclic21.02 Concentration Rank 9

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.02 | 4.95 ng/ul | 2931700 | Chrysene-d12     | 21.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | 1-Octadecene                        | 252 | C18H36      | 000112-88-9  | 97   |
| 2    |    | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2    | 002136-70-1  | 91   |
| 3    |    | 1-Hexadecanesulfonyl chloride       | 324 | C16H33ClO2S | 038775-38-1  | 91   |
| 4    |    | Methoxyacetic acid, heptadecyl e... | 328 | C20H40O3    | 1000282-99-1 | 91   |
| 5    |    | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2  | 1000283-04-2 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

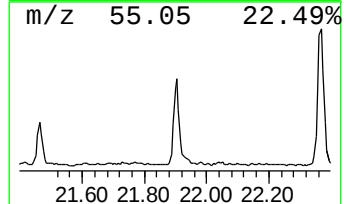
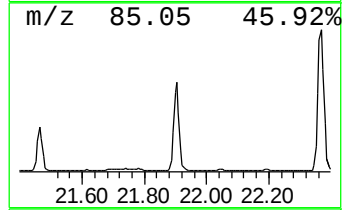
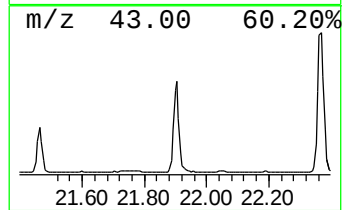
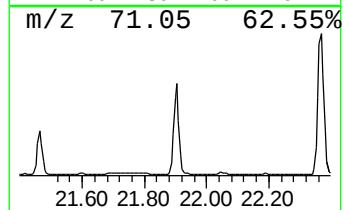
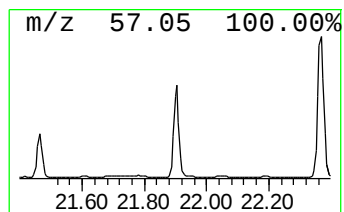
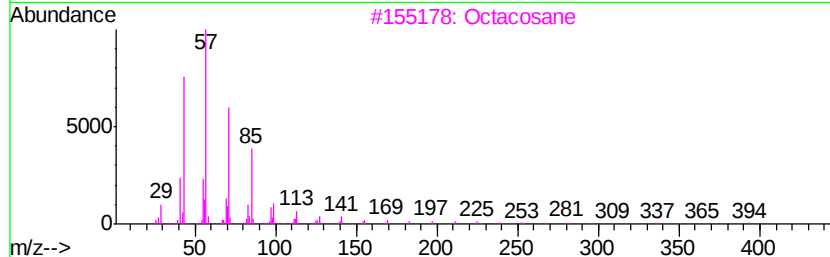
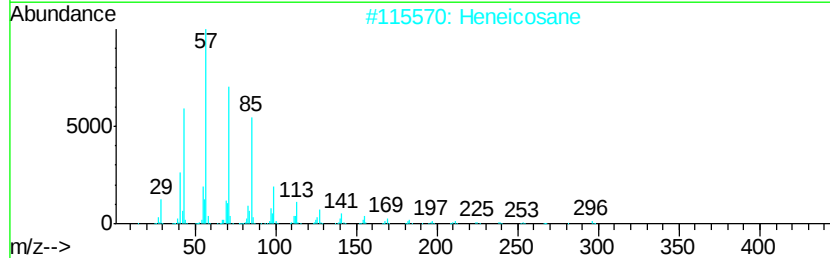
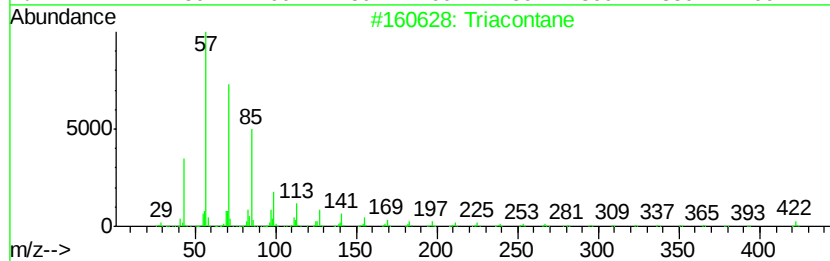
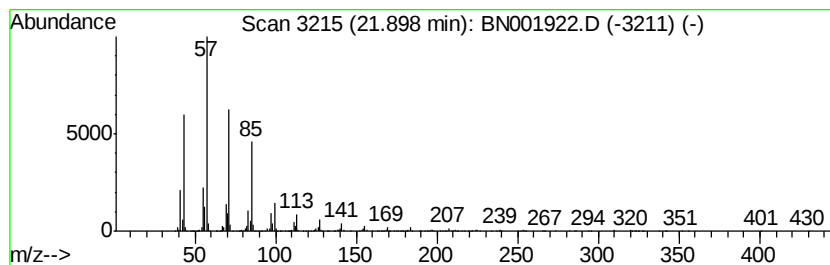
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.90 | 3.89 ng/ul | 2304340 | Chrysene-d12     | 21.29 |

| Hit# | of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------|-----|---------|-------------|------|
| 1    |    |   | Triacontane      | 422 | C30H62  | 000638-68-6 | 91   |
| 2    |    |   | Heneicosane      | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    |   | Octacosane       | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    |   | Octacosane       | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    |   | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

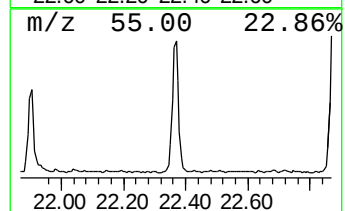
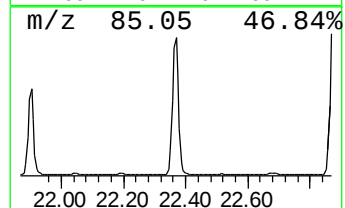
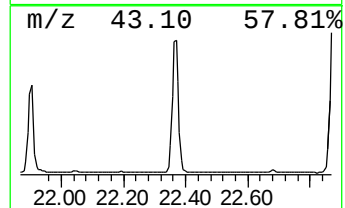
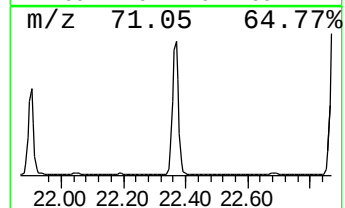
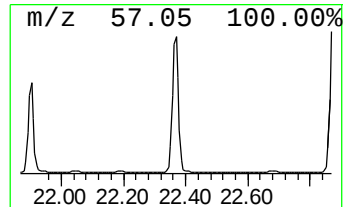
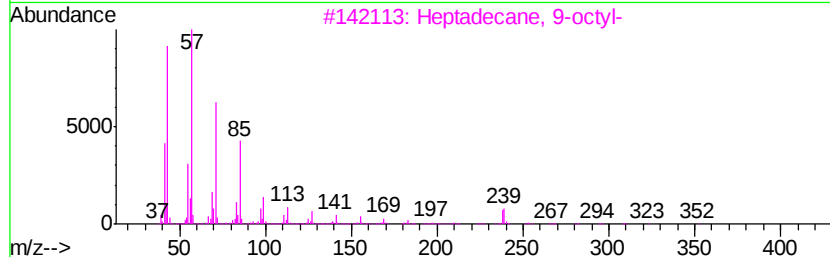
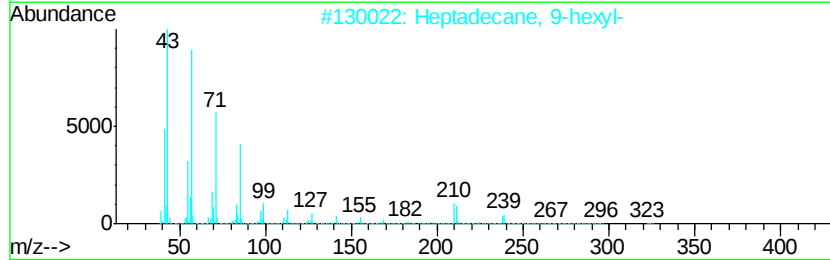
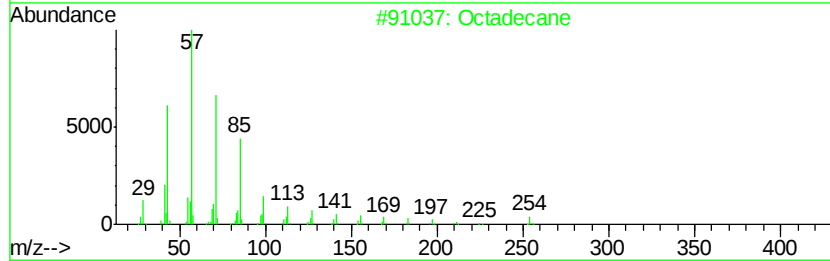
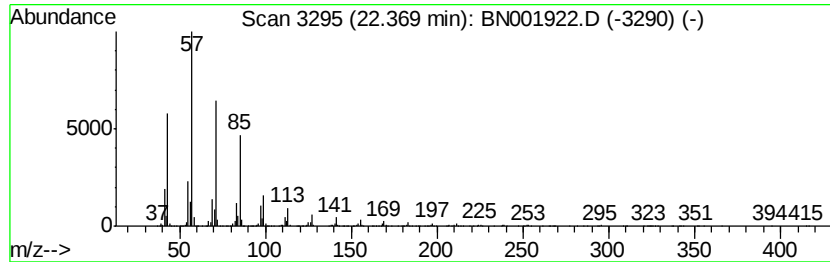
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.37 | 6.46 ng/ul | 3826020 | Chrysene-d12     | 21.29 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane            | 254 | C18H38  | 000593-45-3 | 94   |
| 2    |    | Heptadecane, 9-hexyl- | 324 | C23H48  | 055124-79-3 | 94   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 93   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

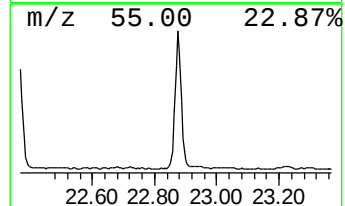
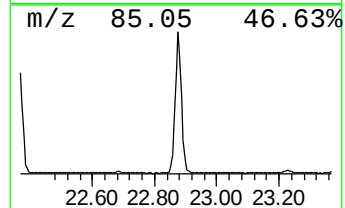
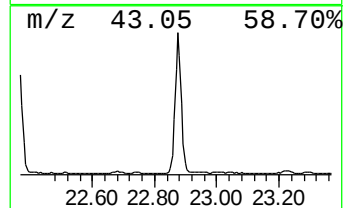
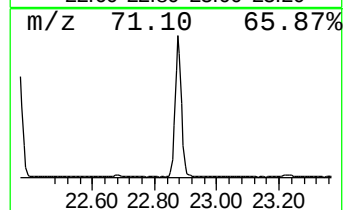
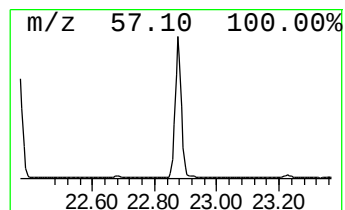
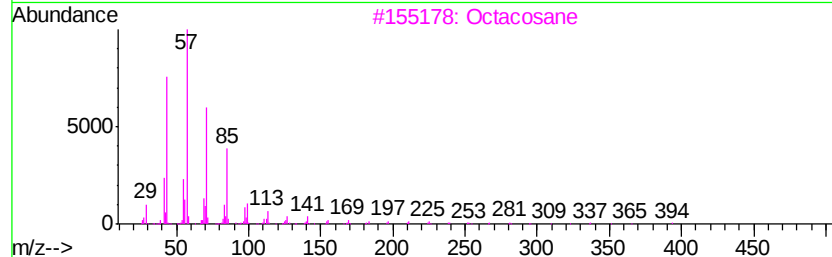
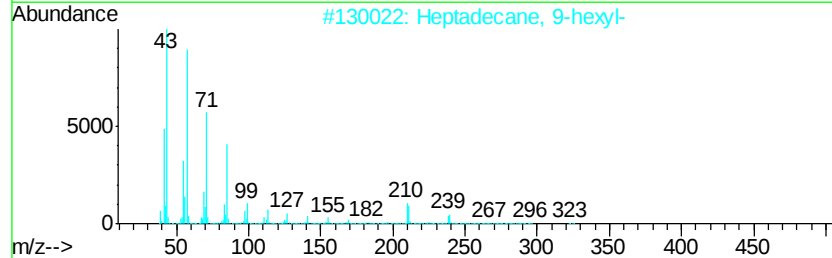
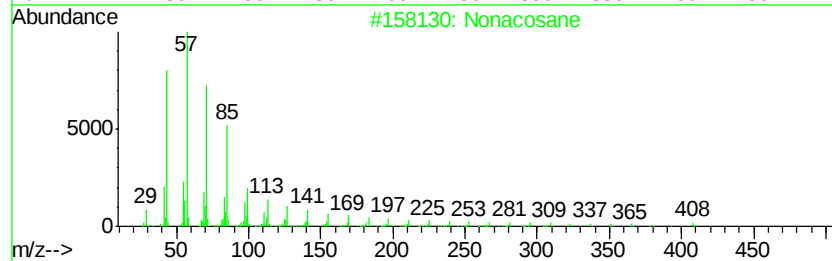
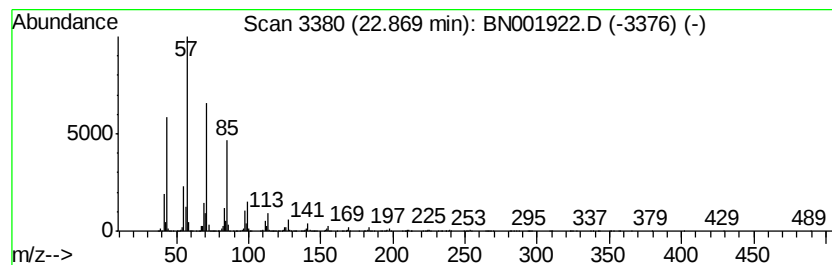
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.87 | 9.31 ng/ul | 5529510 | Perylene-d12     | 23.52 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Nonacosane            | 408 | C29H60  | 000630-03-5 | 94   |
| 2    |    | Heptadecane, 9-hexyl- | 324 | C23H48  | 055124-79-3 | 94   |
| 3    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

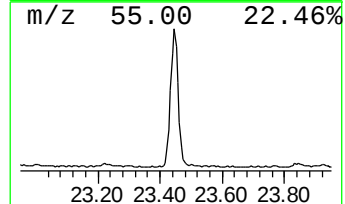
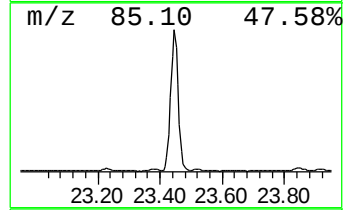
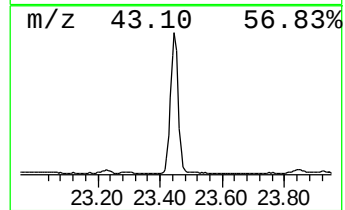
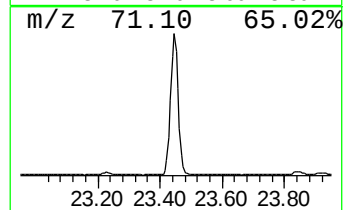
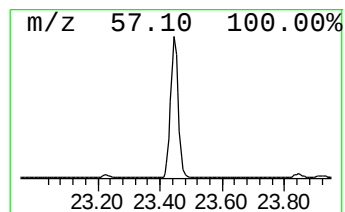
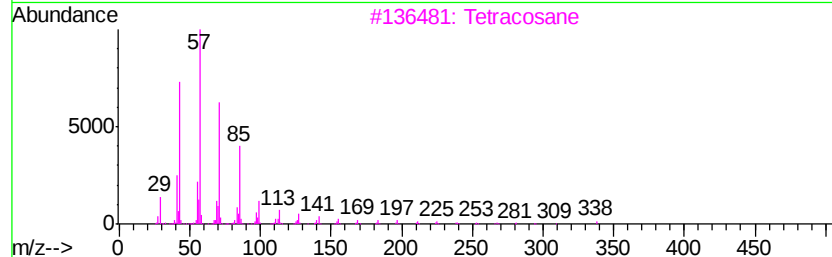
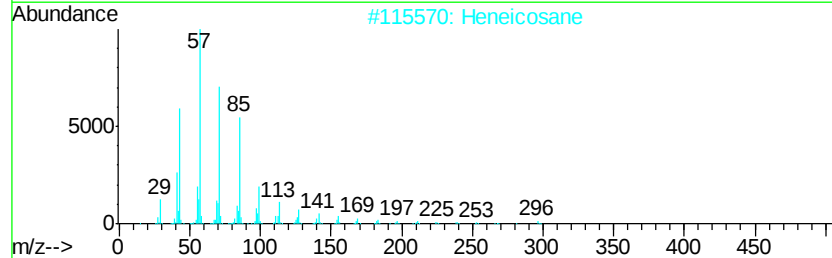
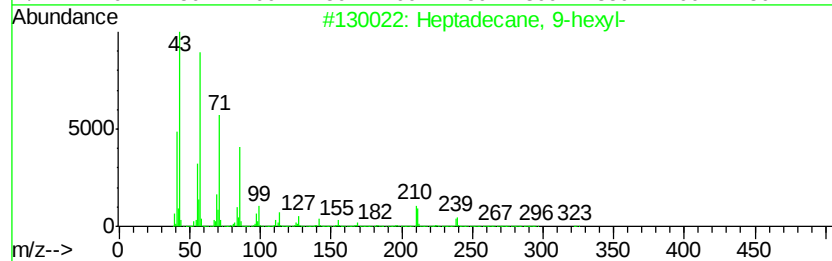
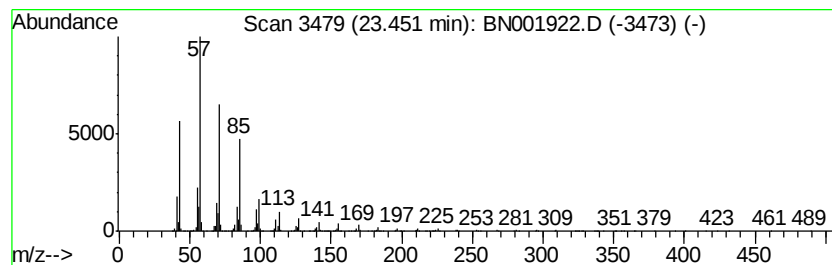
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 23.45 | 10.78 ng/ul | 6402030 | Perylene-d12     | 23.52 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-hexyl-            | 324 | C23H48  | 055124-79-3 | 94   |
| 2    |    | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Tetracosane                      | 338 | C24H50  | 000646-31-1 | 91   |
| 4    |    | Tetratriacontane                 | 479 | C34H70  | 014167-59-0 | 91   |
| 5    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

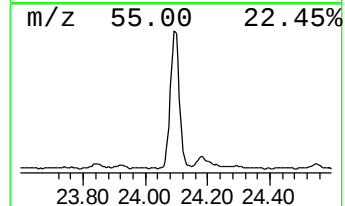
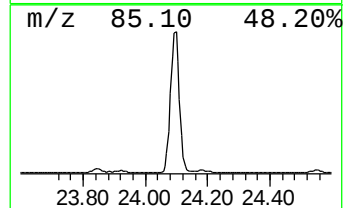
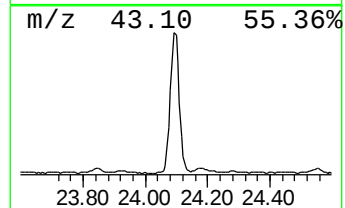
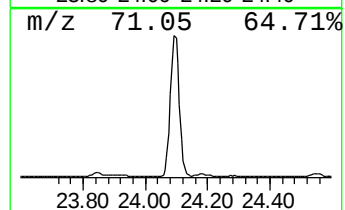
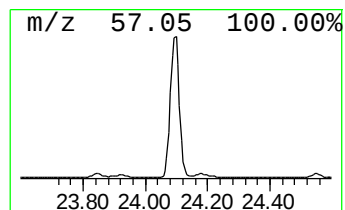
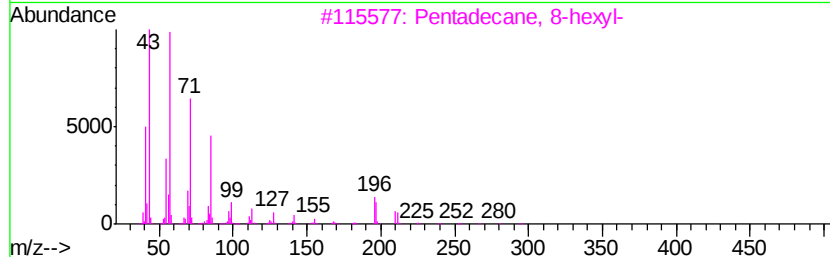
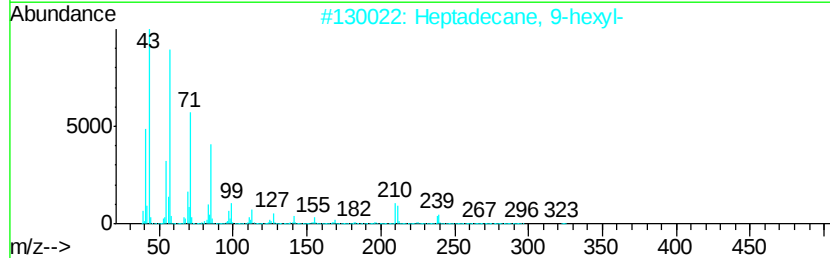
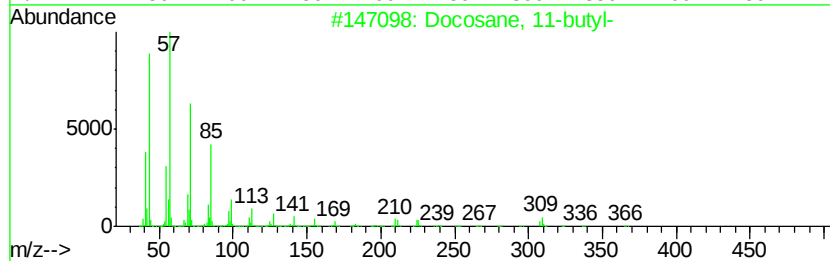
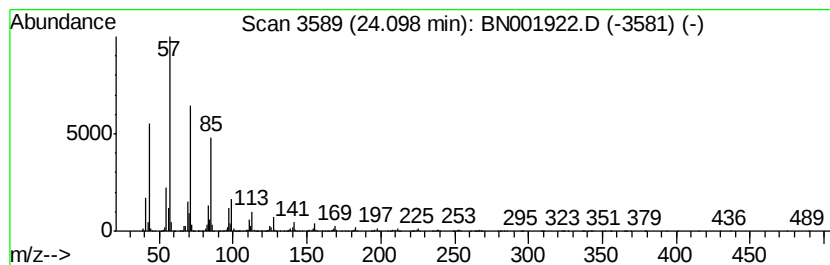
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 24.10 | 10.43 ng/ul | 6196040 | Perylene-d12     | 23.52 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane, 11-butyl-    | 366 | C26H54  | 013475-76-8 | 95   |
| 2    |    | Heptadecane, 9-hexyl-  | 324 | C23H48  | 055124-79-3 | 94   |
| 3    |    | Pentadecane, 8-hexyl-  | 296 | C21H44  | 013475-75-7 | 94   |
| 4    |    | Eicosane, 10-methyl-   | 296 | C21H44  | 054833-23-7 | 93   |
| 5    |    | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 92   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

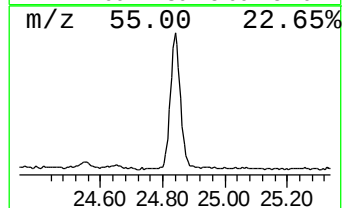
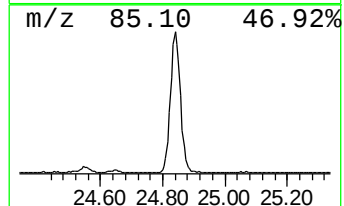
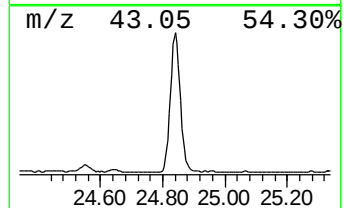
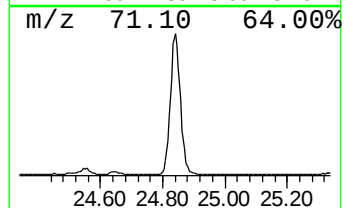
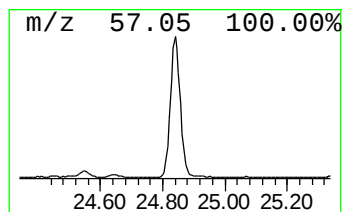
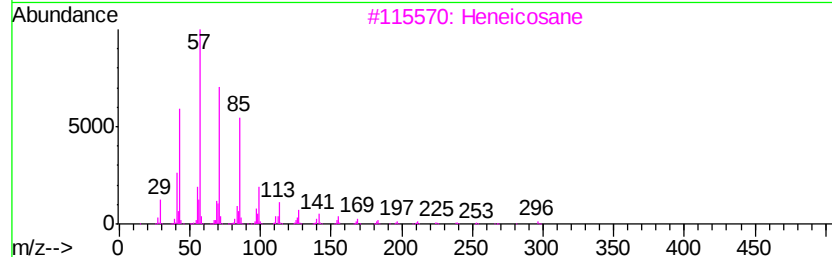
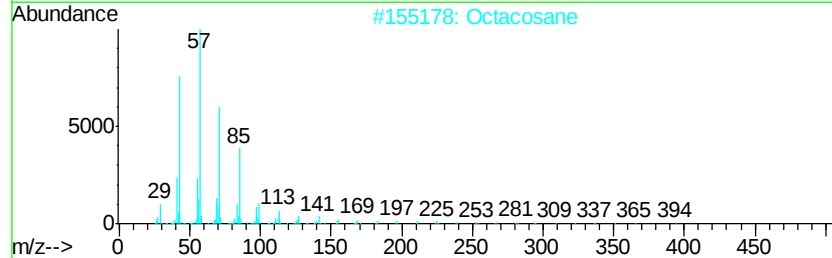
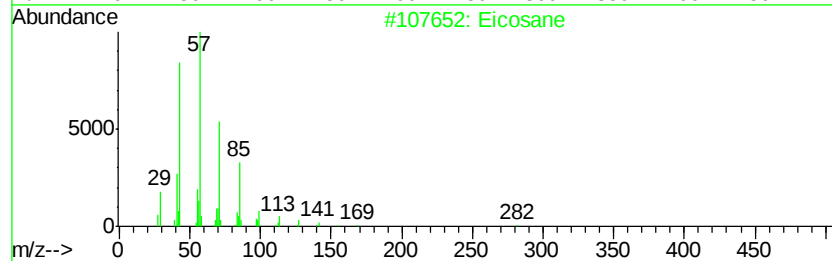
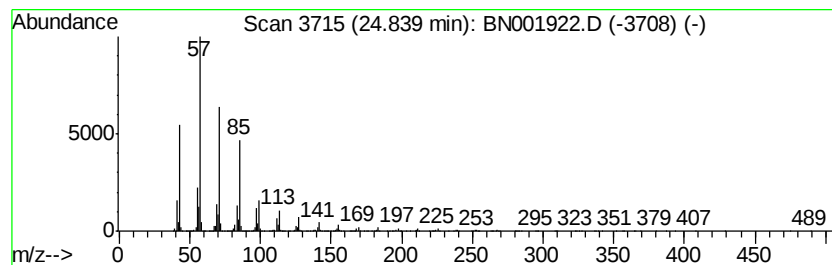
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.84 | 7.16 ng/ul | 4251310 | Perylene-d12     | 23.52 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane               | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 5    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
Quant Title : SVOA CALIBRATION

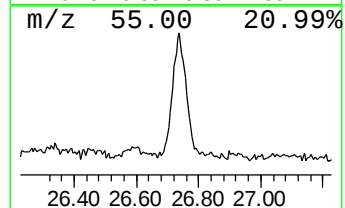
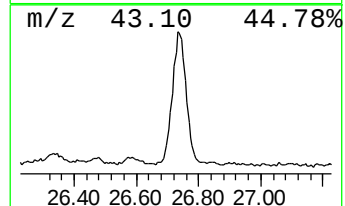
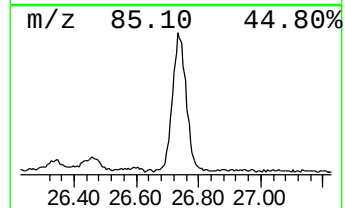
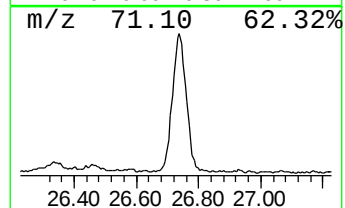
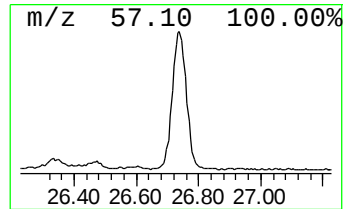
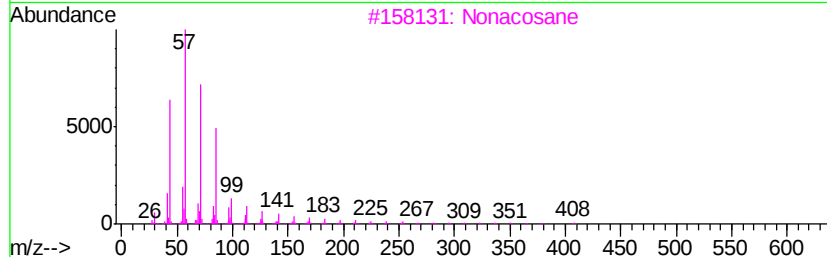
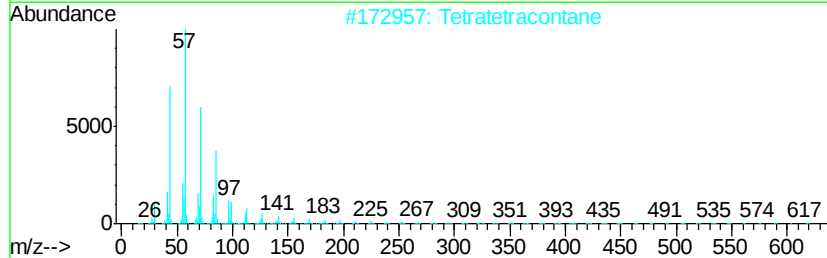
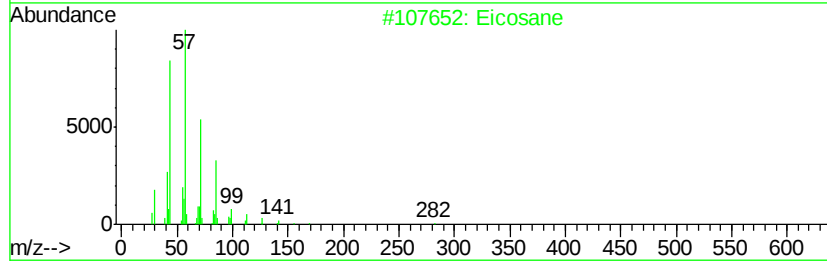
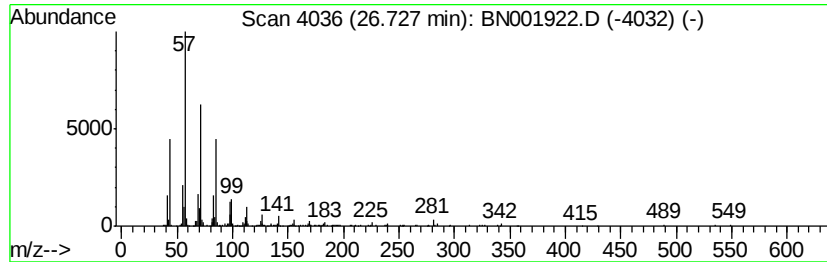
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 26.73 | 2.07 ng/ul | 1226280 | Perylene-d12     | 23.52 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane               | 282 | C20H42  | 000112-95-8 | 93   |
| 2    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 90   |
| 3    |    | Nonacosane             | 408 | C29H60  | 000630-03-5 | 87   |
| 4    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 87   |
| 5    |    | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062918\  
Data File : BN001922.D  
Acq On : 29 Jun 2018 12:07  
Operator : JU/SJ  
Sample : J3661-07  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
X2D25

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.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 |
| Butane, 2-methoxy... | 3.02  | 8.2     | ng/ul | 1518720  | 1                     | 7.71  | 3695700  | 20.0 |
| 3-Penten-2-one, 4... | 4.29  | 8.3     | ng/ul | 1526270  | 1                     | 7.71  | 3695700  | 20.0 |
| 2-Pentanone, 4-hy... | 4.88  | 15.2    | ng/ul | 2799690  | 1                     | 7.71  | 3695700  | 20.0 |
| (DEL) Alkane: Str... | 15.21 | 2.1     | ng/ul | 877410   | 3                     | 14.34 | 8407450  | 20.0 |
| (DEL) Alkane: Cyc... | 21.02 | 5.0     | ng/ul | 2931700  | 5                     | 21.29 | 11840900 | 20.0 |
| (DEL) Alkane: Str... | 21.90 | 3.9     | ng/ul | 2304340  | 5                     | 21.29 | 11840900 | 20.0 |
| (DEL) Alkane: Str... | 22.37 | 6.5     | ng/ul | 3826020  | 5                     | 21.29 | 11840900 | 20.0 |
| (DEL) Alkane: Str... | 22.87 | 9.3     | ng/ul | 5529510  | 6                     | 23.52 | 11876200 | 20.0 |
| (DEL) Alkane: Str... | 23.45 | 10.8    | ng/ul | 6402030  | 6                     | 23.52 | 11876200 | 20.0 |
| (DEL) Alkane: Str... | 24.10 | 10.4    | ng/ul | 6196040  | 6                     | 23.52 | 11876200 | 20.0 |
| (DEL) Alkane: Str... | 24.84 | 7.2     | ng/ul | 4251310  | 6                     | 23.52 | 11876200 | 20.0 |
| (DEL) Alkane: Str... | 26.73 | 2.1     | ng/ul | 1226280  | 6                     | 23.52 | 11876200 | 20.0 |