

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\  
 Data File : BG042210.D  
 Acq On : 14 Aug 2019 15:09  
 Operator : HP/JU  
 Sample : K4304-16  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB5P7

## 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\_G\METHODS\SOM-EPA-BG080319MA.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      | 3.144    | 4          | 9        | 35        | rVB   | 2268995     | 3666866    | 100.00%      | 9.227%     |
| 2      | 4.072    | 161        | 167      | 174       | rBV2  | 18046       | 30283      | 0.83%        | 0.076%     |
| 3      | 4.172    | 178        | 184      | 194       | rVB   | 57066       | 92920      | 2.53%        | 0.234%     |
| 4      | 7.180    | 688        | 696      | 711       | rBV   | 252031      | 491602     | 13.41%       | 1.237%     |
| 5      | 7.339    | 717        | 723      | 739       | rVB   | 185325      | 333529     | 9.10%        | 0.839%     |
| 6      | 7.551    | 752        | 759      | 769       | rBV   | 266788      | 497213     | 13.56%       | 1.251%     |
| 7      | 8.026    | 832        | 840      | 848       | rBV   | 295368      | 517074     | 14.10%       | 1.301%     |
| 8      | 8.731    | 953        | 960      | 971       | rBV   | 313203      | 588906     | 16.06%       | 1.482%     |
| 9      | 9.190    | 1030       | 1038     | 1048      | rBV   | 244906      | 450882     | 12.30%       | 1.135%     |
| 10     | 9.354    | 1061       | 1066     | 1073      | rVB3  | 20269       | 33377      | 0.91%        | 0.084%     |
| 11     | 9.918    | 1155       | 1162     | 1179      | rBV   | 220388      | 411271     | 11.22%       | 1.035%     |
| 12     | 10.465   | 1247       | 1255     | 1272      | rBV   | 351810      | 700251     | 19.10%       | 1.762%     |
| 13     | 10.847   | 1311       | 1320     | 1326      | rBV   | 427011      | 776535     | 21.18%       | 1.954%     |
| 14     | 10.900   | 1326       | 1329     | 1334      | rVV2  | 22651       | 34798      | 0.95%        | 0.088%     |
| 15     | 10.976   | 1334       | 1342     | 1359      | rVV   | 307551      | 622331     | 16.97%       | 1.566%     |
| 16     | 12.509   | 1597       | 1603     | 1611      | rVB   | 14499       | 24554      | 0.67%        | 0.062%     |
| 17     | 12.727   | 1635       | 1640     | 1647      | rBV2  | 11285       | 20199      | 0.55%        | 0.051%     |
| 18     | 14.008   | 1852       | 1858     | 1863      | rBV2  | 15220       | 24835      | 0.68%        | 0.062%     |
| 19     | 14.084   | 1863       | 1871     | 1876      | rBV   | 709539      | 1060658    | 28.93%       | 2.669%     |
| 20     | 14.131   | 1876       | 1879     | 1890      | rVB   | 132896      | 186291     | 5.08%        | 0.469%     |
| 21     | 14.378   | 1911       | 1921     | 1933      | rBV   | 843600      | 1370254    | 37.37%       | 3.448%     |
| 22     | 14.683   | 1964       | 1973     | 1980      | rBV   | 724097      | 1135430    | 30.96%       | 2.857%     |
| 23     | 14.748   | 1980       | 1984     | 1992      | rVB2  | 55204       | 91731      | 2.50%        | 0.231%     |
| 24     | 14.883   | 2000       | 2007     | 2021      | rBV   | 171845      | 372187     | 10.15%       | 0.937%     |
| 25     | 15.083   | 2035       | 2041     | 2050      | rVB   | 44033       | 79736      | 2.17%        | 0.201%     |
| 26     | 15.482   | 2101       | 2109     | 2112      | rBV7  | 12917       | 27619      | 0.75%        | 0.069%     |
| 27     | 15.682   | 2135       | 2143     | 2148      | rBV   | 1051350     | 1677110    | 45.74%       | 4.220%     |
| 28     | 15.735   | 2148       | 2152     | 2157      | rVB   | 58402       | 89141      | 2.43%        | 0.224%     |
| 29     | 15.800   | 2157       | 2163     | 2171      | rBV   | 198336      | 327302     | 8.93%        | 0.824%     |
| 30     | 15.917   | 2176       | 2183     | 2191      | rVV6  | 16848       | 54051      | 1.47%        | 0.136%     |
| 31     | 16.029   | 2197       | 2202     | 2209      | rVB   | 23930       | 43900      | 1.20%        | 0.110%     |
| 32     | 16.176   | 2219       | 2227     | 2235      | rBV2  | 24329       | 56086      | 1.53%        | 0.141%     |
| 33     | 16.246   | 2235       | 2239     | 2247      | rVB5  | 11350       | 22100      | 0.60%        | 0.056%     |
| 34     | 16.399   | 2261       | 2265     | 2272      | rVB7  | 20351       | 48273      | 1.32%        | 0.121%     |

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 16.746 | 2314 | 2324 | 2328 | rBV6 | 17058   | 39547   | 1.08%  | 0.100% |
| 36 | 16.787 | 2328 | 2331 | 2337 | rVB4 | 10430   | 19732   | 0.54%  | 0.050% |
| 37 | 16.969 | 2353 | 2362 | 2366 | rBV5 | 22431   | 45641   | 1.24%  | 0.115% |
| 38 | 17.092 | 2377 | 2383 | 2390 | rVB3 | 29051   | 55182   | 1.50%  | 0.139% |
| 39 | 17.169 | 2390 | 2396 | 2397 | rBV  | 17051   | 24884   | 0.68%  | 0.063% |
| 40 | 17.186 | 2397 | 2399 | 2403 | rVB4 | 19124   | 23818   | 0.65%  | 0.060% |
| 41 | 17.257 | 2406 | 2411 | 2423 | rVB  | 41408   | 73862   | 2.01%  | 0.186% |
| 42 | 17.439 | 2435 | 2442 | 2446 | rBV2 | 854620  | 1360657 | 37.11% | 3.424% |
| 43 | 17.480 | 2446 | 2449 | 2453 | rVB  | 623807  | 825954  | 22.52% | 2.078% |
| 44 | 17.539 | 2453 | 2459 | 2463 | rBV  | 1037645 | 1579566 | 43.08% | 3.975% |
| 45 | 17.621 | 2470 | 2473 | 2480 | rVB6 | 11315   | 19106   | 0.52%  | 0.048% |
| 46 | 17.838 | 2504 | 2510 | 2515 | rBV  | 61370   | 97618   | 2.66%  | 0.246% |
| 47 | 18.026 | 2537 | 2542 | 2550 | rVB3 | 16560   | 36537   | 1.00%  | 0.092% |
| 48 | 18.314 | 2582 | 2591 | 2595 | rBV  | 98151   | 159492  | 4.35%  | 0.401% |
| 49 | 18.367 | 2595 | 2600 | 2608 | rVB2 | 132222  | 214837  | 5.86%  | 0.541% |
| 50 | 18.444 | 2608 | 2613 | 2618 | rBV  | 38861   | 59049   | 1.61%  | 0.149% |
| 51 | 18.514 | 2618 | 2625 | 2628 | rBV2 | 127561  | 241243  | 6.58%  | 0.607% |
| 52 | 18.549 | 2628 | 2631 | 2638 | rVB  | 70667   | 107757  | 2.94%  | 0.271% |
| 53 | 18.620 | 2638 | 2643 | 2646 | rBV6 | 21528   | 36919   | 1.01%  | 0.093% |
| 54 | 18.661 | 2646 | 2650 | 2654 | rBV4 | 20191   | 28838   | 0.79%  | 0.073% |
| 55 | 18.814 | 2668 | 2676 | 2679 | rBV  | 66428   | 107148  | 2.92%  | 0.270% |
| 56 | 18.855 | 2679 | 2683 | 2690 | rVB2 | 36035   | 58698   | 1.60%  | 0.148% |
| 57 | 19.055 | 2710 | 2717 | 2722 | rBV3 | 81581   | 127790  | 3.48%  | 0.322% |
| 58 | 19.108 | 2722 | 2726 | 2729 | rVV  | 27361   | 36984   | 1.01%  | 0.093% |
| 59 | 19.149 | 2729 | 2733 | 2736 | rVB2 | 19619   | 26683   | 0.73%  | 0.067% |
| 60 | 19.231 | 2742 | 2747 | 2753 | rBV  | 59668   | 113770  | 3.10%  | 0.286% |
| 61 | 19.372 | 2766 | 2771 | 2778 | rBV2 | 50238   | 93591   | 2.55%  | 0.236% |
| 62 | 19.489 | 2783 | 2791 | 2797 | rBV  | 1045679 | 1545971 | 42.16% | 3.890% |
| 63 | 19.548 | 2797 | 2801 | 2805 | rVB2 | 69705   | 90814   | 2.48%  | 0.229% |
| 64 | 19.589 | 2805 | 2808 | 2812 | rVB5 | 20840   | 25923   | 0.71%  | 0.065% |
| 65 | 19.636 | 2813 | 2816 | 2819 | rBV2 | 18268   | 23649   | 0.64%  | 0.060% |
| 66 | 19.736 | 2829 | 2833 | 2837 | rVB  | 35672   | 49550   | 1.35%  | 0.125% |
| 67 | 19.824 | 2842 | 2848 | 2851 | rVV  | 1555465 | 2478304 | 67.59% | 6.236% |
| 68 | 19.854 | 2851 | 2853 | 2861 | rVV  | 916868  | 1137916 | 31.03% | 2.863% |
| 69 | 19.924 | 2861 | 2865 | 2872 | rVB2 | 60375   | 111112  | 3.03%  | 0.280% |
| 70 | 20.030 | 2877 | 2883 | 2889 | rVV  | 55970   | 113378  | 3.09%  | 0.285% |
| 71 | 20.177 | 2902 | 2908 | 2914 | rBV2 | 75727   | 217145  | 5.92%  | 0.546% |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
 Title : SVOA CALIBRATION

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|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 20.265 | 2919 | 2923 | 2927 | rVV  | 78922   | 109077  | 2.97%  | 0.274% |
| 73  | 20.312 | 2927 | 2931 | 2932 | rVV3 | 49545   | 74343   | 2.03%  | 0.187% |
| 74  | 20.341 | 2932 | 2936 | 2942 | rVB  | 156187  | 271934  | 7.42%  | 0.684% |
| 75  | 20.441 | 2949 | 2953 | 2957 | rBV  | 86137   | 113959  | 3.11%  | 0.287% |
| 76  | 20.500 | 2957 | 2963 | 2967 | rVV2 | 82730   | 154989  | 4.23%  | 0.390% |
| 77  | 20.541 | 2967 | 2970 | 2973 | rVB2 | 30652   | 33155   | 0.90%  | 0.083% |
| 78  | 20.576 | 2974 | 2976 | 2982 | rBV3 | 20579   | 33021   | 0.90%  | 0.083% |
| 79  | 20.641 | 2984 | 2987 | 2990 | rBV  | 52539   | 67436   | 1.84%  | 0.170% |
| 80  | 20.688 | 2992 | 2995 | 2999 | rVB  | 49933   | 66508   | 1.81%  | 0.167% |
| 81  | 20.794 | 3010 | 3013 | 3020 | rVB4 | 48676   | 81394   | 2.22%  | 0.205% |
| 82  | 20.847 | 3020 | 3022 | 3028 | rBV6 | 21434   | 31874   | 0.87%  | 0.080% |
| 83  | 21.111 | 3063 | 3067 | 3074 | rVB  | 90510   | 140187  | 3.82%  | 0.353% |
| 84  | 21.370 | 3102 | 3111 | 3119 | rBV3 | 158084  | 472634  | 12.89% | 1.189% |
| 85  | 21.722 | 3161 | 3171 | 3176 | rBV2 | 1019875 | 2544594 | 69.39% | 6.403% |
| 86  | 21.769 | 3176 | 3179 | 3192 | rVB  | 428912  | 691624  | 18.86% | 1.740% |
| 87  | 21.922 | 3201 | 3205 | 3212 | rBV  | 94259   | 148697  | 4.06%  | 0.374% |
| 88  | 22.128 | 3236 | 3240 | 3249 | rBV2 | 60903   | 127980  | 3.49%  | 0.322% |
| 89  | 22.457 | 3294 | 3296 | 3302 | rVB3 | 60106   | 93642   | 2.55%  | 0.236% |
| 90  | 22.539 | 3306 | 3310 | 3318 | rVB4 | 93080   | 165386  | 4.51%  | 0.416% |
| 91  | 23.250 | 3428 | 3431 | 3440 | rVB3 | 74098   | 124184  | 3.39%  | 0.312% |
| 92  | 23.602 | 3487 | 3491 | 3499 | rVB7 | 70266   | 142471  | 3.89%  | 0.358% |
| 93  | 23.955 | 3543 | 3551 | 3559 | rBV  | 312075  | 1049841 | 28.63% | 2.642% |
| 94  | 24.072 | 3568 | 3571 | 3578 | rVB2 | 103552  | 182311  | 4.97%  | 0.459% |
| 95  | 24.689 | 3669 | 3676 | 3681 | rBV  | 145486  | 391302  | 10.67% | 0.985% |
| 96  | 24.771 | 3682 | 3690 | 3697 | rVV  | 746336  | 2135468 | 58.24% | 5.373% |
| 97  | 24.836 | 3697 | 3701 | 3712 | rVB  | 254602  | 658689  | 17.96% | 1.657% |
| 98  | 24.995 | 3719 | 3728 | 3735 | rBV2 | 529854  | 1546763 | 42.18% | 3.892% |
| 99  | 26.211 | 3926 | 3935 | 3945 | rVB  | 116643  | 351491  | 9.59%  | 0.884% |
| 100 | 28.726 | 4356 | 4363 | 4380 | rVB3 | 83296   | 368074  | 10.04% | 0.926% |

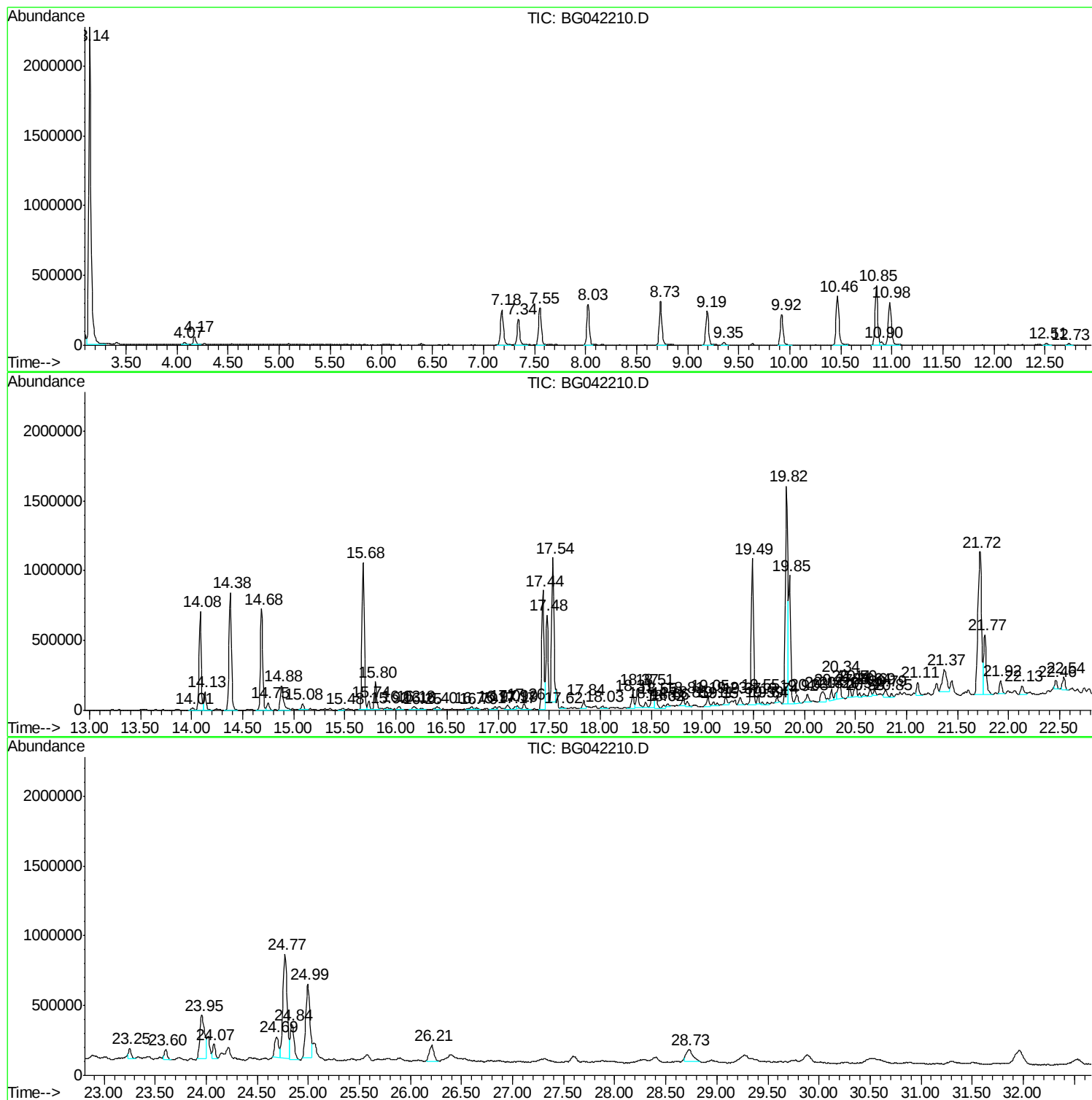
Sum of corrected areas: 39740988

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

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



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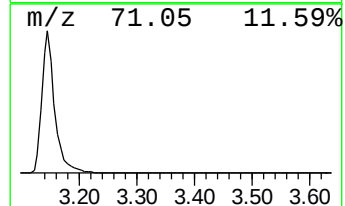
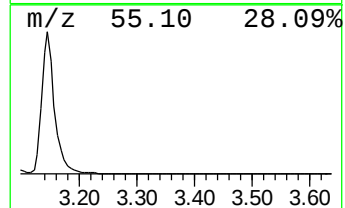
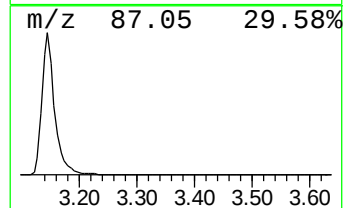
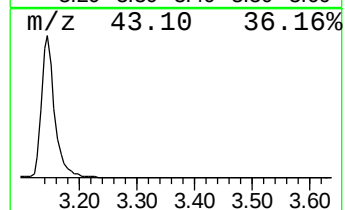
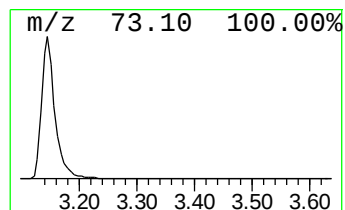
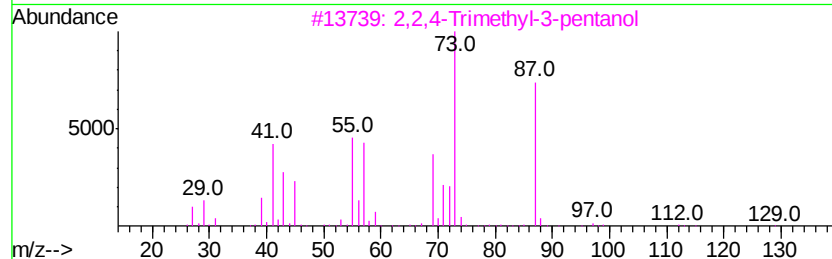
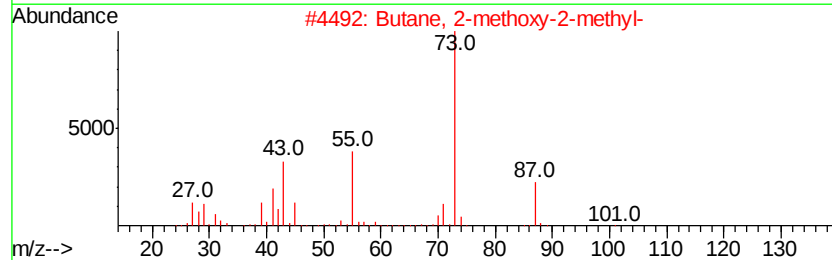
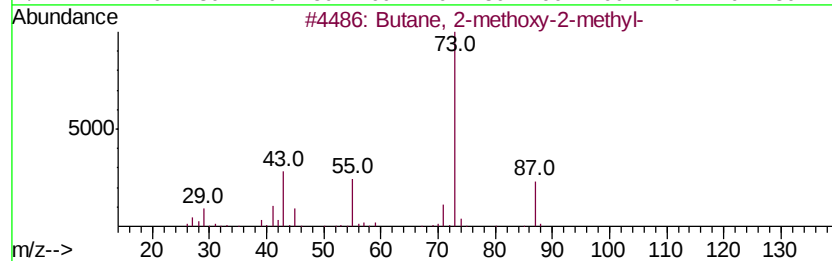
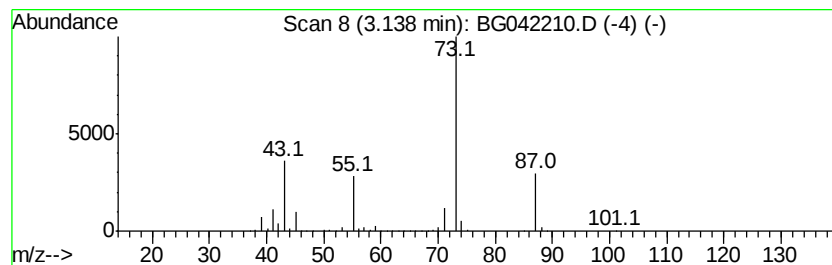
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc      | Area    | Relative to ISTD       | R.T. |
|------|--------------|---------|------------------------|------|
| 3.14 | 141.83 ng/ul | 3666870 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 74   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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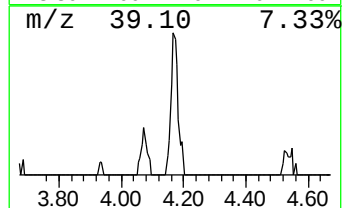
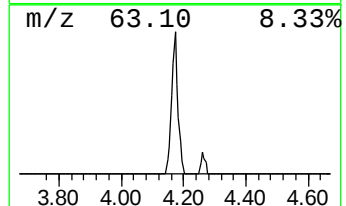
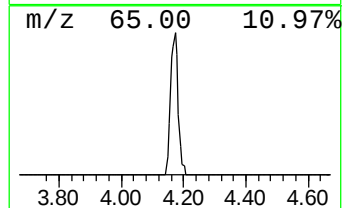
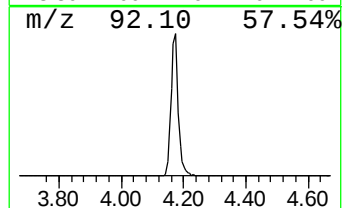
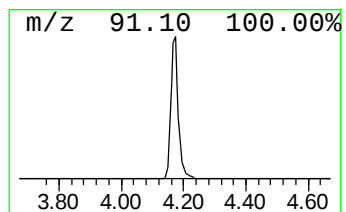
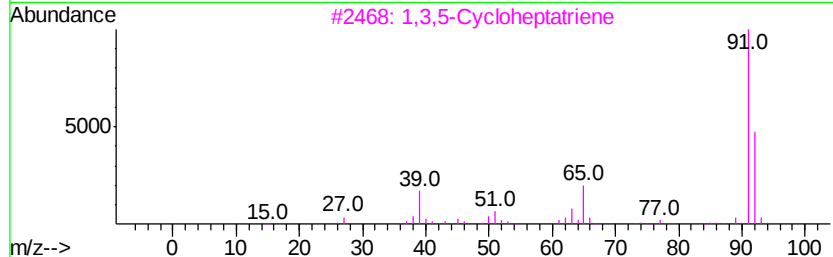
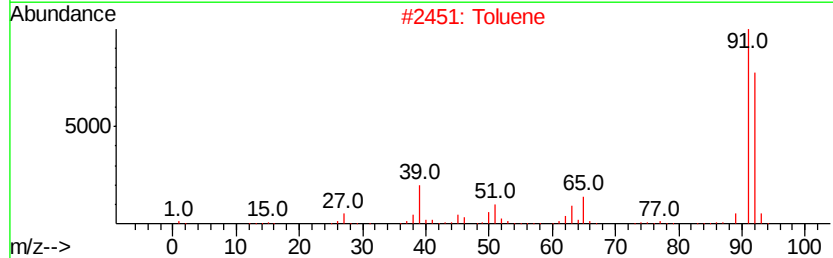
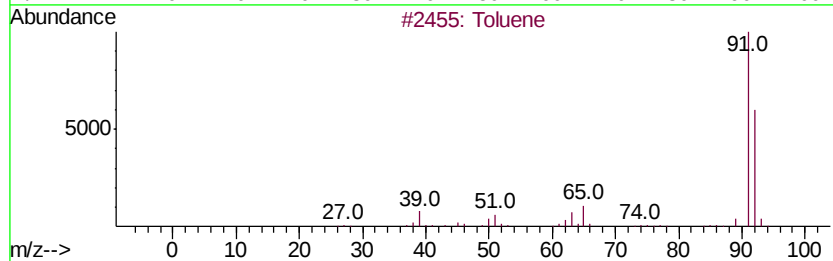
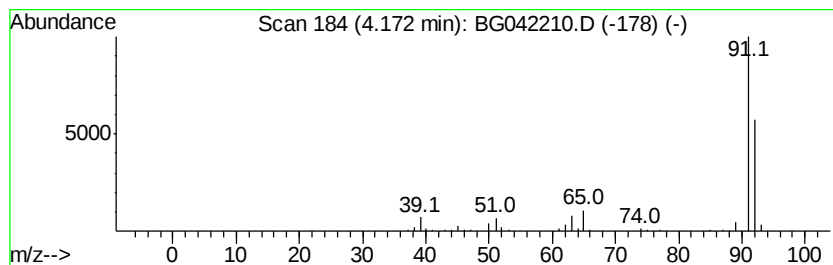
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Toluene Concentration Rank 5

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 4.17 | 3.59 ng/ul | 92920 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|------------------------|----|---------|-------------|------|
| 1    | 5  | Toluene                | 92 | C7H8    | 000108-88-3 | 91   |
| 2    |    | Toluene                | 92 | C7H8    | 000108-88-3 | 91   |
| 3    |    | 1,3,5-Cycloheptatriene | 92 | C7H8    | 000544-25-2 | 91   |
| 4    |    | Toluene                | 92 | C7H8    | 000108-88-3 | 90   |
| 5    |    | Toluene                | 92 | C7H8    | 000108-88-3 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\  
Data File : BG042210.D  
Acq On : 14 Aug 2019 15:09  
Operator : HP/JU  
Sample : K4304-16  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB5P7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

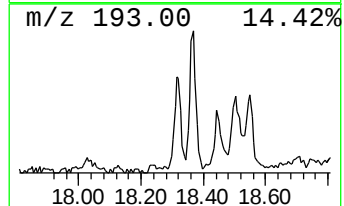
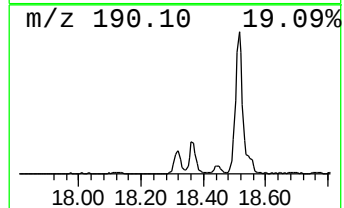
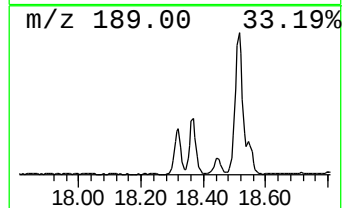
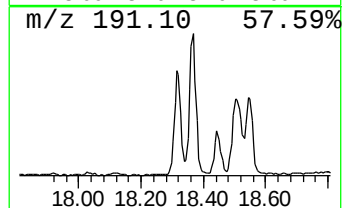
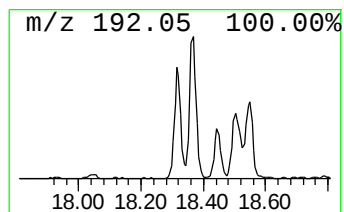
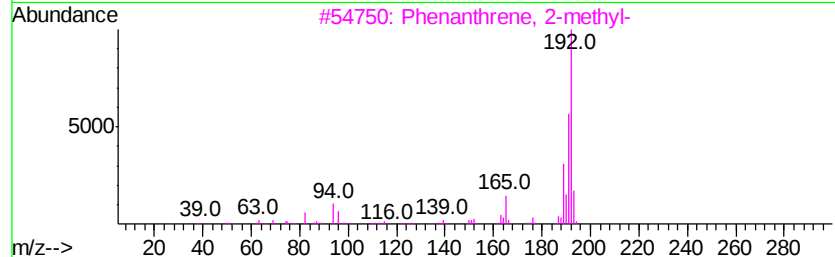
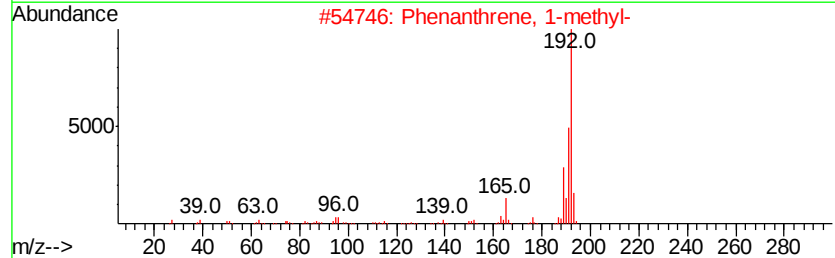
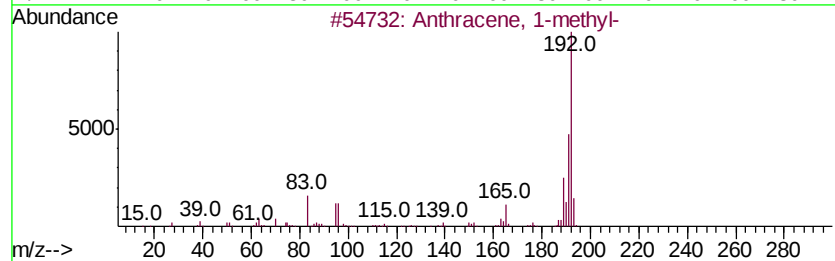
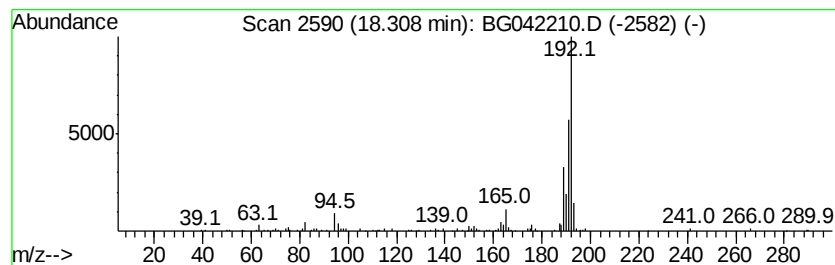
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Anthracene, 1-methyl- Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.31 | 2.34 ng/ul | 159492 | Phenanthrene-d10 | 17.44 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 94   |
| 2    |    | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |
| 3    |    | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 4    |    | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 5    |    | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\  
Data File : BG042210.D  
Acq On : 14 Aug 2019 15:09  
Operator : HP/JU  
Sample : K4304-16  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB5P7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

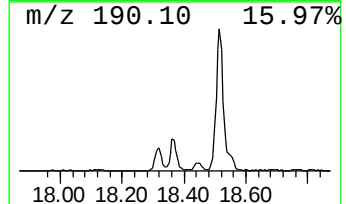
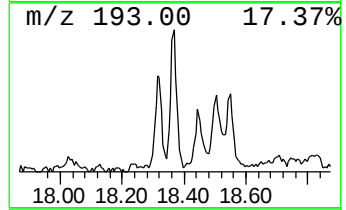
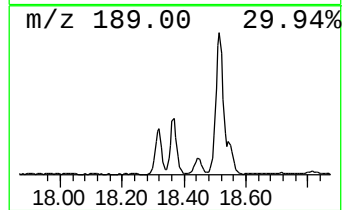
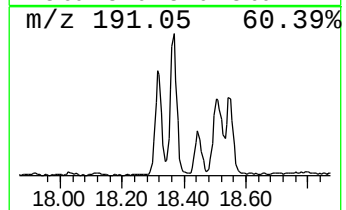
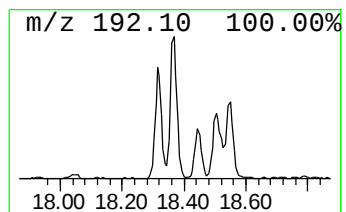
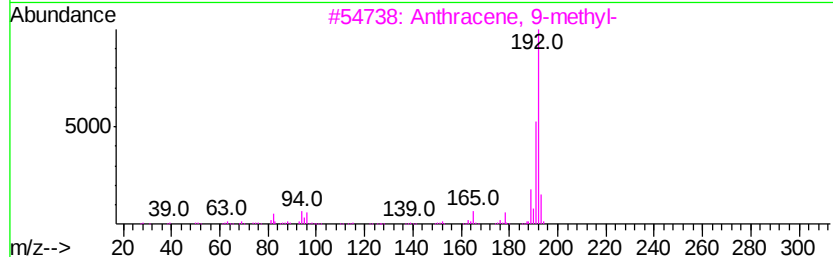
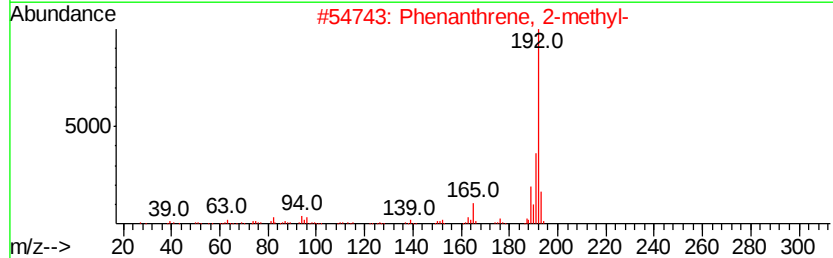
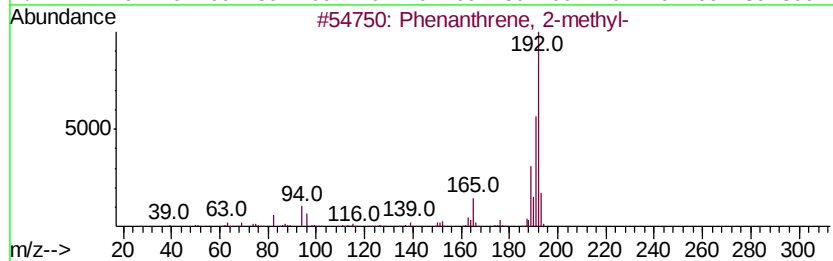
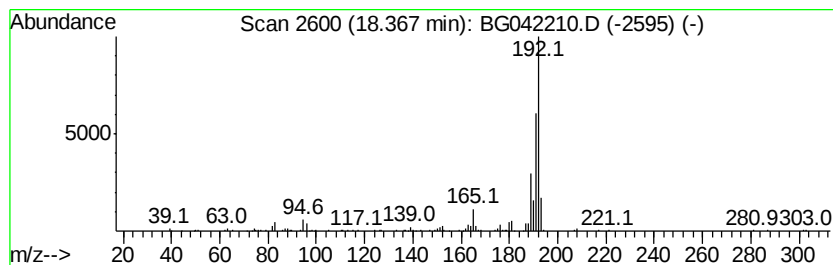
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.37 | 3.16 ng/ul | 214837 | Phenanthrene-d10 | 17.44 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 3    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 94   |
| 4    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 94   |
| 5    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\  
Data File : BG042210.D  
Acq On : 14 Aug 2019 15:09  
Operator : HP/JU  
Sample : K4304-16  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB5P7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

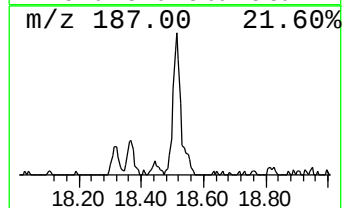
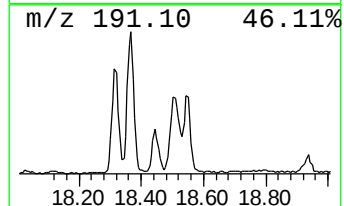
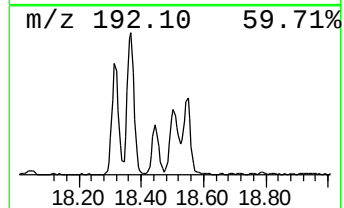
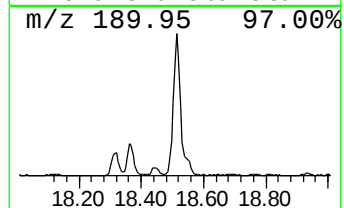
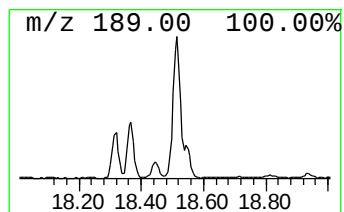
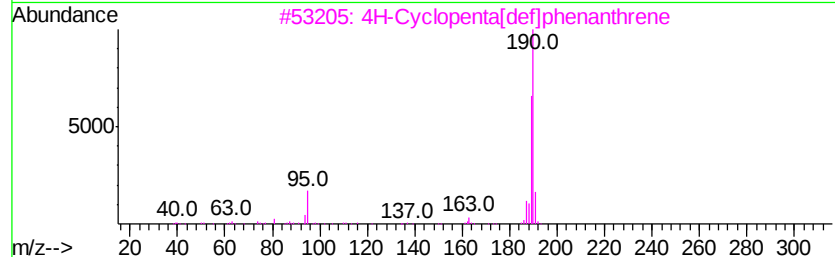
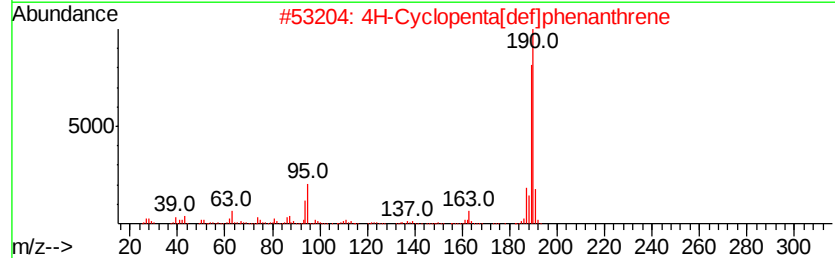
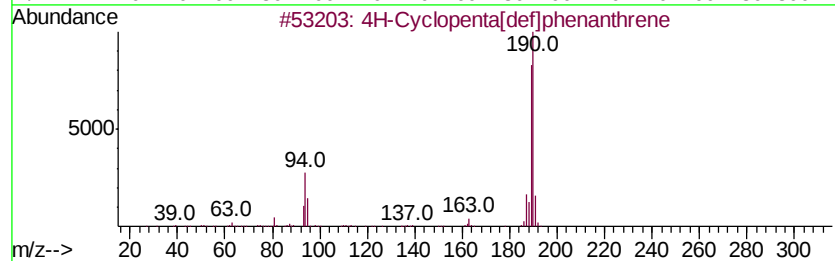
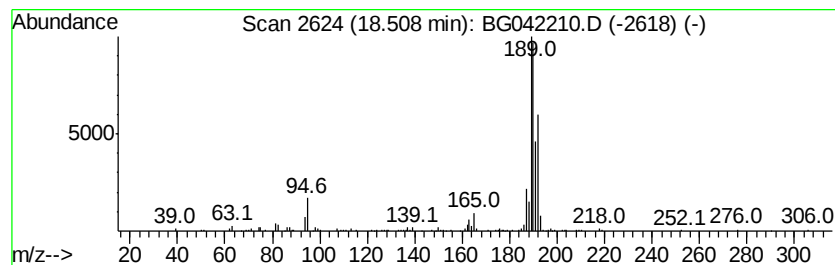
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.51 | 3.55 ng/ul | 241243 | Phenanthrene-d10 | 17.44 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 76   |
| 2       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 70   |
| 3       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 68   |
| 4       |   | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 47   |
| 5       |   | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10   | 083469-43-6 | 45   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\  
Data File : BG042210.D  
Acq On : 14 Aug 2019 15:09  
Operator : HP/JU  
Sample : K4304-16  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB5P7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

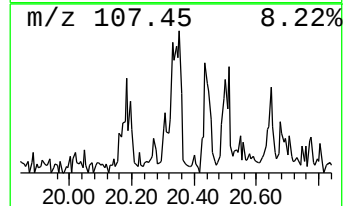
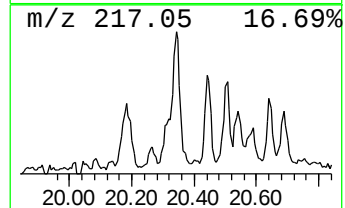
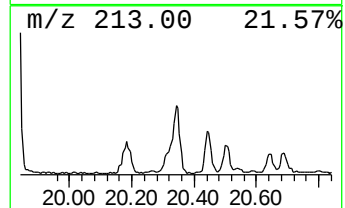
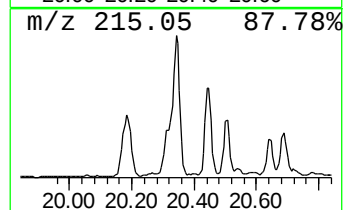
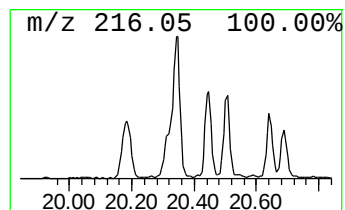
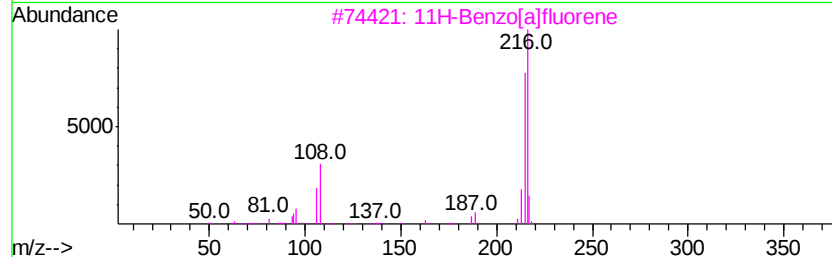
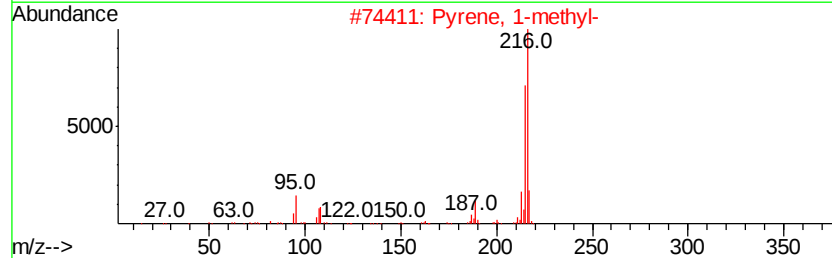
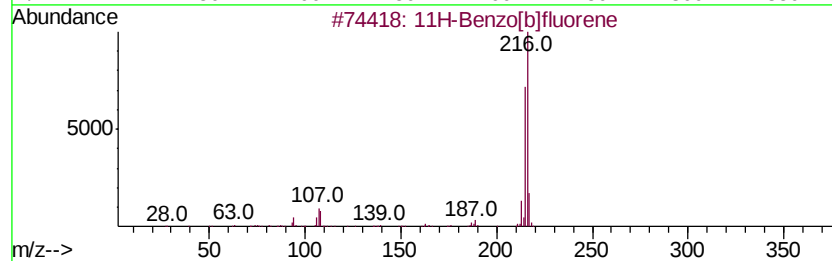
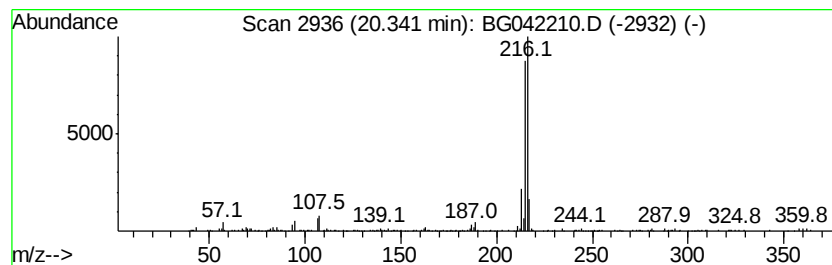
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.34 | 2.14 ng/ul | 271934 | Chrysene-d12     | 21.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 11H-Benzo[b]fluorene                | 216 | C17H12     | 000243-17-4 | 90   |
| 2    |    | Pyrene, 1-methyl-                   | 216 | C17H12     | 002381-21-7 | 86   |
| 3    |    | 11H-Benzo[a]fluorene                | 216 | C17H12     | 000238-84-6 | 74   |
| 4    |    | 11H-Benzo[b]fluorene                | 216 | C17H12     | 000243-17-4 | 72   |
| 5    |    | Benzoic acid, 3-(3,5-dimethyl-1-... | 216 | C12H12N2O2 | 312531-88-7 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\  
Data File : BG042210.D  
Acq On : 14 Aug 2019 15:09  
Operator : HP/JU  
Sample : K4304-16  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB5P7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

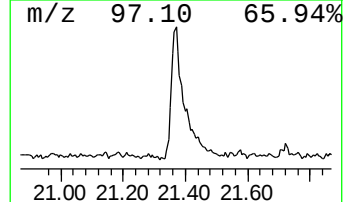
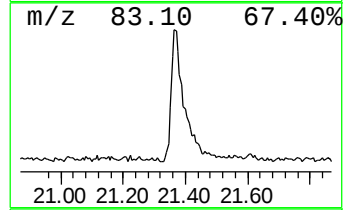
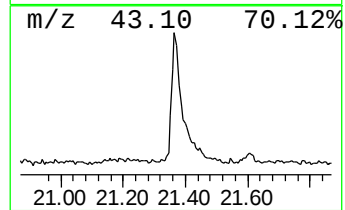
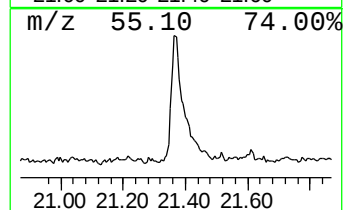
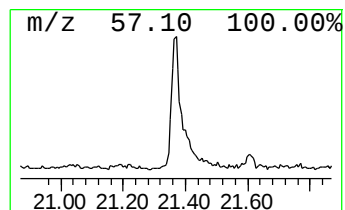
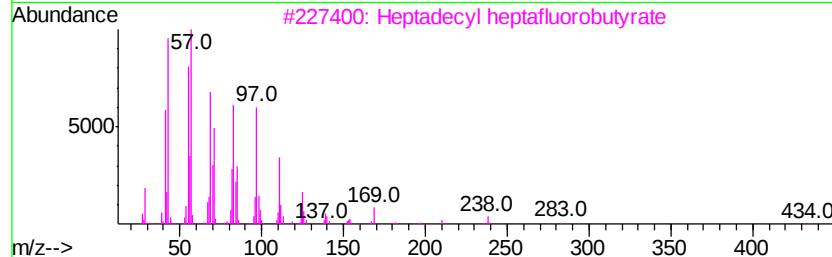
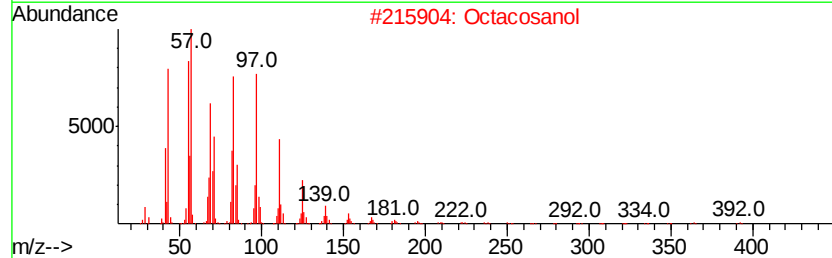
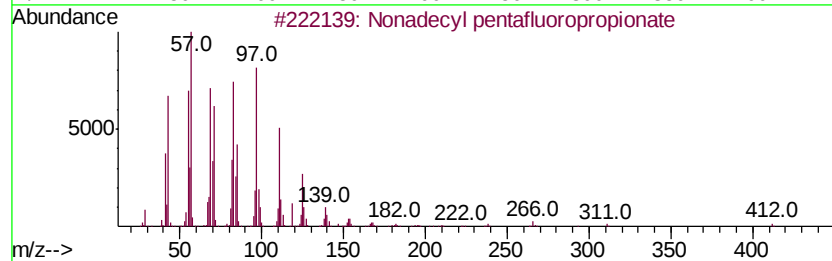
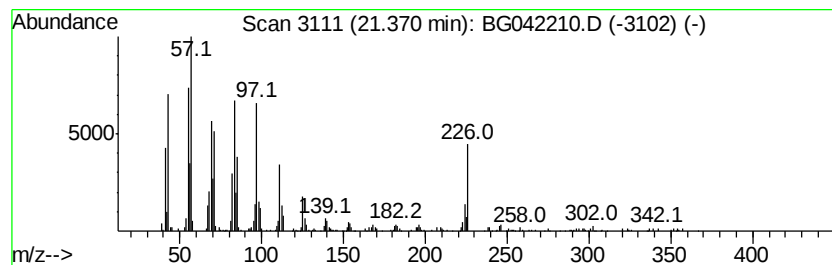
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Nonadecyl pentafluoropropio... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.37 | 3.71 ng/ul | 472634 | Chrysene-d12     | 21.72 |

| Hit# | of | Tentative ID                    | MW  | MolForm    | CAS#         | Qual |
|------|----|---------------------------------|-----|------------|--------------|------|
| 1    | 5  | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 93   |
| 2    |    | Octacosanol                     | 410 | C28H58O    | 000557-61-9  | 91   |
| 3    |    | Heptadecyl heptafluorobutvrate  | 452 | C21H35F7O2 | 959085-66-6  | 90   |
| 4    |    | Docosyl pentafluoropropionate   | 472 | C25H45F5O2 | 1000351-80-9 | 90   |
| 5    |    | 1-Heneicosanol                  | 312 | C21H44O    | 015594-90-8  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\  
Data File : BG042210.D  
Acq On : 14 Aug 2019 15:09  
Operator : HP/JU  
Sample : K4304-16  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB5P7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

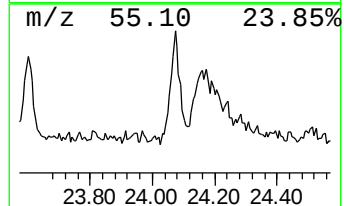
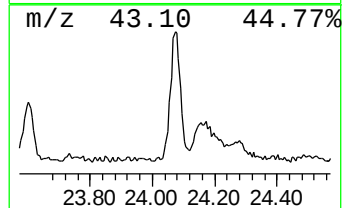
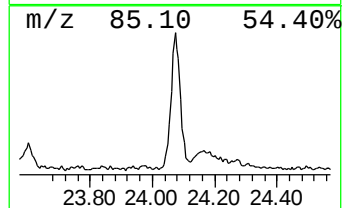
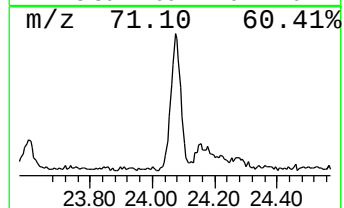
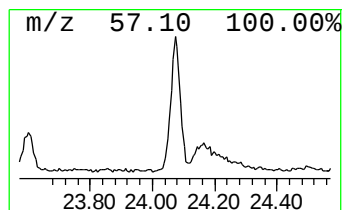
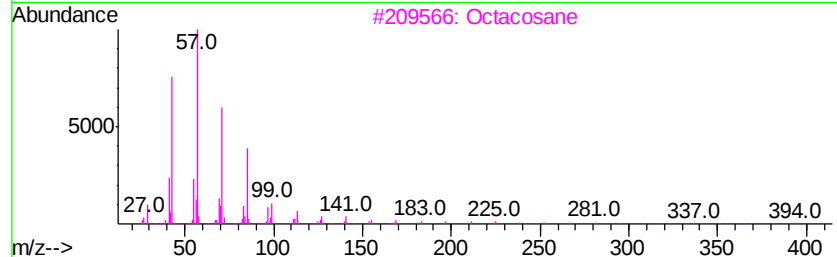
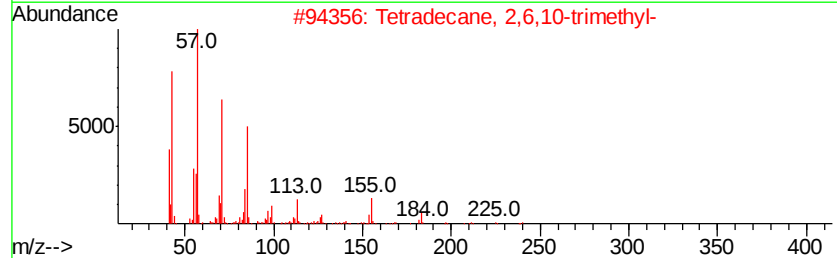
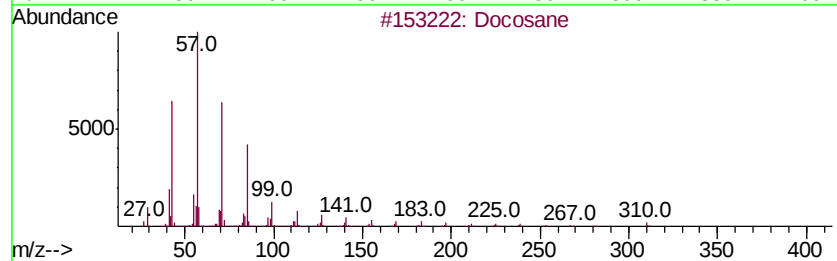
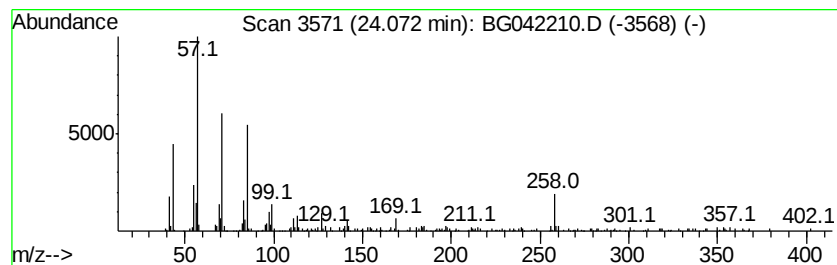
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.07 | 2.36 ng/ul | 182311 | Perylene-d12     | 24.99 |

| Hit# | of | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|-----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Docosane                          | 310 | C22H46    | 000629-97-0  | 74   |
| 2    |    | Tetradecane, 2,6,10-trimethyl-    | 240 | C17H36    | 014905-56-7  | 72   |
| 3    |    | Octacosane                        | 394 | C28H58    | 000630-02-4  | 72   |
| 4    |    | Sulfurous acid, butyl decyl ester | 278 | C14H30O3S | 1000309-17-7 | 64   |
| 5    |    | Eicosane, 7-hexyl-                | 366 | C26H54    | 055333-99-8  | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\  
Data File : BG042210.D  
Acq On : 14 Aug 2019 15:09  
Operator : HP/JU  
Sample : K4304-16  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB5P7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

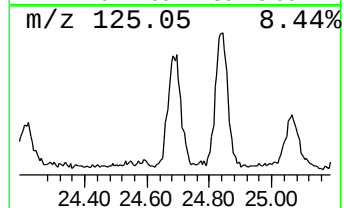
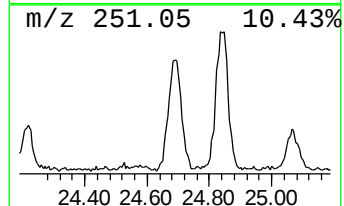
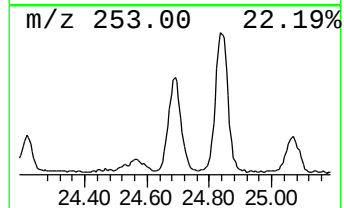
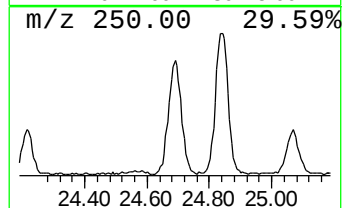
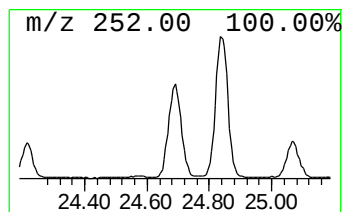
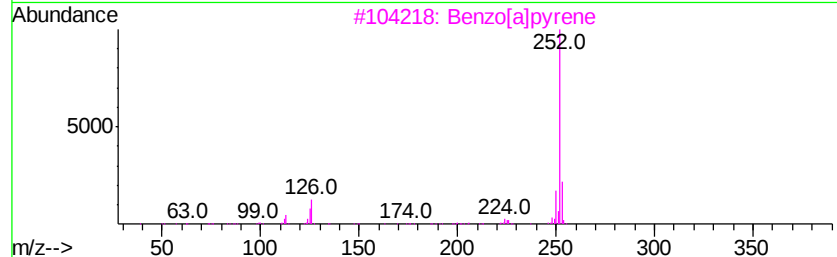
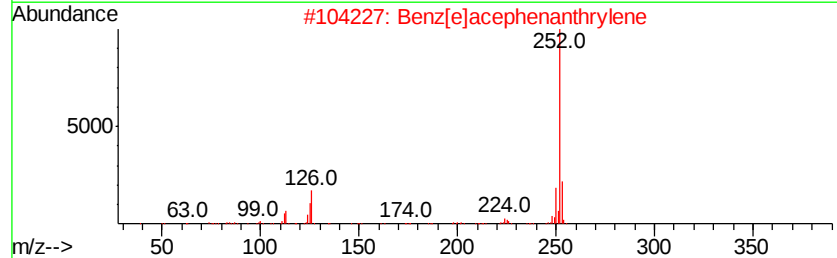
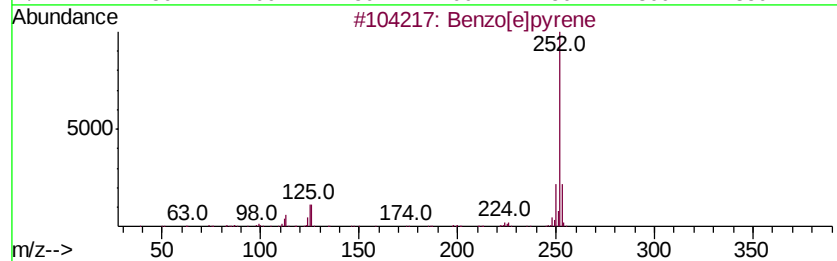
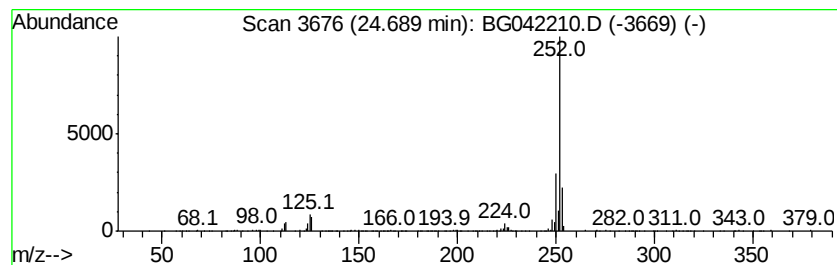
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzo[e]pyrene Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.69 | 5.06 ng/ul | 391302 | Perylene-d12     | 24.99 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 95   |
| 2    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 94   |
| 3    |    | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 93   |
| 4    |    | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 90   |
| 5    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\  
Data File : BG042210.D  
Acq On : 14 Aug 2019 15:09  
Operator : HP/JU  
Sample : K4304-16  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB5P7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

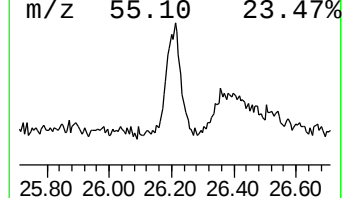
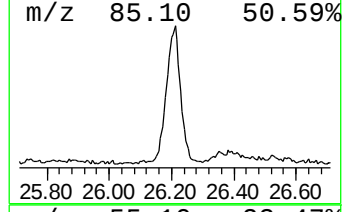
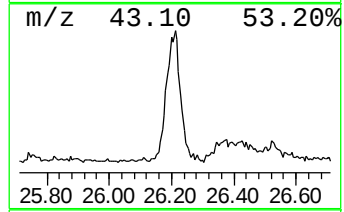
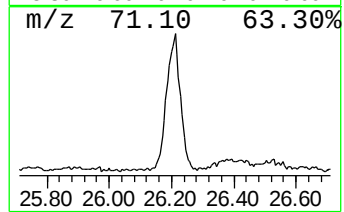
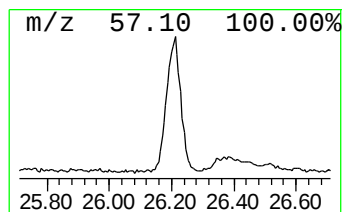
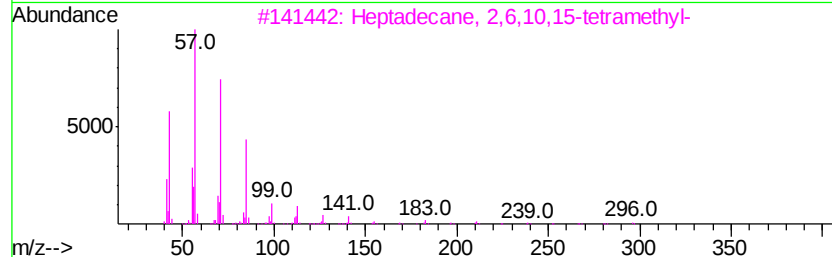
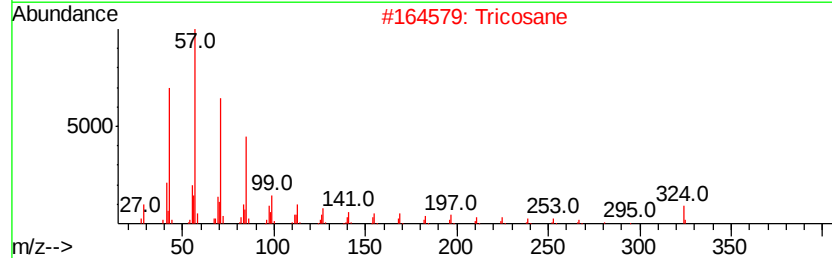
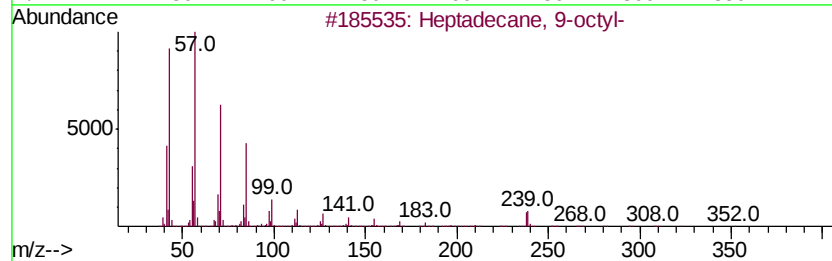
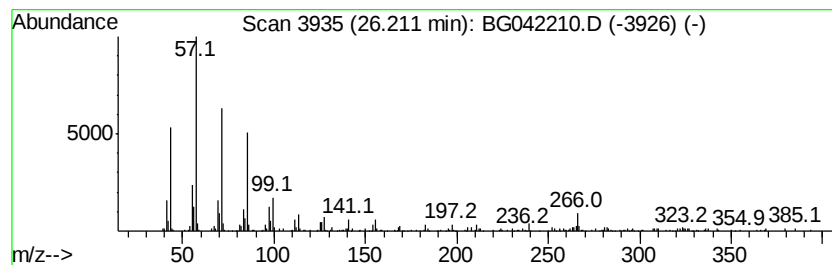
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 26.21 | 4.54 ng/ul | 351491 | Perylene-d12     | 24.99 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl-               | 352 | C25H52  | 007225-64-1 | 94   |
| 2    |    | Tricosane                           | 324 | C23H48  | 000638-67-5 | 91   |
| 3    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 90   |
| 4    |    | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    | Tricosane                           | 324 | C23H48  | 000638-67-5 | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG081319\  
 Data File : BG042210.D  
 Acq On : 14 Aug 2019 15:09  
 Operator : HP/JU  
 Sample : K4304-16  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB5P7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.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 |
| Butane, 2-methoxy... | 3.14  | 141.8   | ng/ul | 3666870  | 1                     | 8.03  | 517074  | 20.0 |
| Toluene              | 4.17  | 3.6     | ng/ul | 92920    | 1                     | 8.03  | 517074  | 20.0 |
| Anthracene, 1-met... | 18.31 | 2.3     | ng/ul | 159492   | 4                     | 17.44 | 1360660 | 20.0 |
| Phenanthrene, 2-m... | 18.37 | 3.2     | ng/ul | 214837   | 4                     | 17.44 | 1360660 | 20.0 |
| 4H-Cyclopenta[def... | 18.51 | 3.5     | ng/ul | 241243   | 4                     | 17.44 | 1360660 | 20.0 |
| 11H-Benzo[b]fluorene | 20.34 | 2.1     | ng/ul | 271934   | 5                     | 21.72 | 2544590 | 20.0 |
| Nonadecyl pentafl... | 21.37 | 3.7     | ng/ul | 472634   | 5                     | 21.72 | 2544590 | 20.0 |
| (DEL) Alkane: Str... | 24.07 | 2.4     | ng/ul | 182311   | 6                     | 24.99 | 1546760 | 20.0 |
| Benzo[e]pyrene       | 24.69 | 5.1     | ng/ul | 391302   | 6                     | 24.99 | 1546760 | 20.0 |
| (DEL) Alkane: Str... | 26.21 | 4.5     | ng/ul | 351491   | 6                     | 24.99 | 1546760 | 20.0 |