

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
 Data File : BG027514.D  
 Acq On : 17 Jun 2017 19:49  
 Operator : SJ/MA  
 Sample : I3599-15  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 F5C91

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.078       | 26            | 32          | 40           | rVB4     | 3954           | 7073          | 0.49%           | 0.036%        |
| 2         | 7.656       | 633           | 641         | 652          | rVB      | 96131          | 192211        | 13.44%          | 0.988%        |
| 3         | 7.832       | 662           | 671         | 681          | rBV      | 72299          | 127242        | 8.90%           | 0.654%        |
| 4         | 8.050       | 700           | 708         | 718          | rBV      | 88998          | 163387        | 11.42%          | 0.840%        |
| 5         | 8.520       | 780           | 788         | 798          | rVB      | 155238         | 285129        | 19.93%          | 1.466%        |
| 6         | 9.195       | 894           | 903         | 914          | rVV      | 122102         | 232615        | 16.26%          | 1.196%        |
| 7         | 9.677       | 976           | 985         | 1005         | rVB      | 89564          | 186601        | 13.05%          | 0.960%        |
| 8         | 10.406      | 1100          | 1109        | 1117         | rVB2     | 74947          | 144421        | 10.10%          | 0.743%        |
| 9         | 10.940      | 1192          | 1200        | 1209         | rVB      | 129607         | 236968        | 16.57%          | 1.219%        |
| 10        | 11.334      | 1259          | 1267        | 1274         | rBV      | 249636         | 499721        | 34.93%          | 2.570%        |
| 11        | 11.387      | 1274          | 1276        | 1282         | rVV      | 19562          | 28164         | 1.97%           | 0.145%        |
| 12        | 11.463      | 1282          | 1289        | 1305         | rVB      | 89222          | 181194        | 12.67%          | 0.932%        |
| 13        | 12.956      | 1537          | 1543        | 1549         | rBV2     | 6725           | 11690         | 0.82%           | 0.060%        |
| 14        | 13.173      | 1571          | 1580        | 1586         | rVB3     | 3304           | 6543          | 0.46%           | 0.034%        |
| 15        | 13.896      | 1698          | 1703        | 1707         | rBV5     | 3342           | 6260          | 0.44%           | 0.032%        |
| 16        | 14.419      | 1784          | 1792        | 1797         | rVV2     | 2401           | 4859          | 0.34%           | 0.025%        |
| 17        | 14.489      | 1797          | 1804        | 1808         | rVV      | 254815         | 395377        | 27.64%          | 2.033%        |
| 18        | 14.536      | 1808          | 1812        | 1818         | rVV      | 113042         | 168022        | 11.75%          | 0.864%        |
| 19        | 14.800      | 1847          | 1857        | 1876         | rBV      | 274836         | 488115        | 34.12%          | 2.510%        |
| 20        | 14.953      | 1876          | 1883        | 1890         | rVB2     | 9891           | 17404         | 1.22%           | 0.090%        |
| 21        | 15.106      | 1898          | 1909        | 1916         | rVV2     | 427783         | 717025        | 50.13%          | 3.687%        |
| 22        | 15.165      | 1916          | 1919        | 1925         | rVB3     | 7185           | 11087         | 0.78%           | 0.057%        |
| 23        | 15.270      | 1925          | 1937        | 1947         | rBV      | 93490          | 185048        | 12.94%          | 0.952%        |
| 24        | 15.394      | 1952          | 1958        | 1960         | rBV4     | 2701           | 4810          | 0.34%           | 0.025%        |
| 25        | 15.500      | 1964          | 1976        | 1983         | rBV2     | 16424          | 33021         | 2.31%           | 0.170%        |
| 26        | 15.905      | 2038          | 2045        | 2051         | rVB      | 15957          | 25562         | 1.79%           | 0.131%        |
| 27        | 15.970      | 2051          | 2056        | 2062         | rBV6     | 2432           | 4759          | 0.33%           | 0.024%        |
| 28        | 16.093      | 2070          | 2077        | 2083         | rBV      | 378667         | 605169        | 42.31%          | 3.112%        |
| 29        | 16.152      | 2084          | 2087        | 2088         | rVV3     | 6036           | 7340          | 0.51%           | 0.038%        |
| 30        | 16.193      | 2088          | 2094        | 2103         | rVB      | 122010         | 194858        | 13.62%          | 1.002%        |
| 31        | 16.310      | 2105          | 2114        | 2124         | rBV5     | 7126           | 22698         | 1.59%           | 0.117%        |
| 32        | 16.440      | 2133          | 2136        | 2143         | rVB7     | 4722           | 9645          | 0.67%           | 0.050%        |
| 33        | 16.587      | 2155          | 2161        | 2170         | rVB7     | 6194           | 15853         | 1.11%           | 0.082%        |
| 34        | 16.786      | 2184          | 2195        | 2200         | rBV5     | 26701          | 75211         | 5.26%           | 0.387%        |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
 Data File : BG027514.D  
 Acq On : 17 Jun 2017 19:49  
 Operator : SJ/MA  
 Sample : I3599-15  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 F5C91

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 17.115 | 2244 | 2251 | 2254 | rBV7 | 4206   | 7916   | 0.55%  | 0.041% |
| 36 | 17.203 | 2263 | 2266 | 2273 | rBV7 | 2662   | 5229   | 0.37%  | 0.027% |
| 37 | 17.274 | 2274 | 2278 | 2280 | rBV5 | 3888   | 5800   | 0.41%  | 0.030% |
| 38 | 17.374 | 2288 | 2295 | 2299 | rBV8 | 8149   | 19165  | 1.34%  | 0.099% |
| 39 | 17.503 | 2312 | 2317 | 2322 | rBV  | 16382  | 25490  | 1.78%  | 0.131% |
| 40 | 17.556 | 2322 | 2326 | 2331 | rVV4 | 18296  | 24371  | 1.70%  | 0.125% |
| 41 | 17.615 | 2333 | 2336 | 2340 | rVB4 | 6895   | 8683   | 0.61%  | 0.045% |
| 42 | 17.674 | 2342 | 2346 | 2350 | rVB6 | 5782   | 9004   | 0.63%  | 0.046% |
| 43 | 17.856 | 2370 | 2377 | 2382 | rBV2 | 540151 | 889313 | 62.17% | 4.573% |
| 44 | 17.897 | 2382 | 2384 | 2388 | rVV  | 84140  | 106346 | 7.43%  | 0.547% |
| 45 | 17.956 | 2388 | 2394 | 2406 | rVB  | 422417 | 721900 | 50.47% | 3.712% |
| 46 | 18.255 | 2434 | 2445 | 2450 | rBV  | 19032  | 53527  | 3.74%  | 0.275% |
| 47 | 18.296 | 2450 | 2452 | 2456 | rVB2 | 16530  | 18719  | 1.31%  | 0.096% |
| 48 | 18.367 | 2461 | 2464 | 2466 | rVB4 | 5162   | 5049   | 0.35%  | 0.026% |
| 49 | 18.525 | 2488 | 2491 | 2495 | rVB6 | 5685   | 7876   | 0.55%  | 0.041% |
| 50 | 18.690 | 2514 | 2519 | 2530 | rBV3 | 54610  | 137589 | 9.62%  | 0.708% |
| 51 | 18.772 | 2530 | 2533 | 2541 | rVB3 | 23695  | 36787  | 2.57%  | 0.189% |
| 52 | 18.843 | 2542 | 2545 | 2551 | rVB5 | 11506  | 19731  | 1.38%  | 0.101% |
| 53 | 18.919 | 2551 | 2558 | 2566 | rBV3 | 22596  | 63499  | 4.44%  | 0.327% |
| 54 | 18.978 | 2566 | 2568 | 2573 | rVV  | 13354  | 18432  | 1.29%  | 0.095% |
| 55 | 19.013 | 2573 | 2574 | 2578 | rVB4 | 5669   | 6611   | 0.46%  | 0.034% |
| 56 | 19.107 | 2579 | 2590 | 2595 | rBV4 | 13267  | 38056  | 2.66%  | 0.196% |
| 57 | 19.207 | 2602 | 2607 | 2611 | rBV5 | 14465  | 25364  | 1.77%  | 0.130% |
| 58 | 19.254 | 2611 | 2615 | 2623 | rVB6 | 20640  | 36963  | 2.58%  | 0.190% |
| 59 | 19.442 | 2642 | 2647 | 2652 | rVB7 | 23095  | 42725  | 2.99%  | 0.220% |
| 60 | 19.495 | 2652 | 2656 | 2660 | rBV7 | 9445   | 19107  | 1.34%  | 0.098% |
| 61 | 19.624 | 2670 | 2678 | 2683 | rBV6 | 21281  | 65172  | 4.56%  | 0.335% |
| 62 | 19.683 | 2684 | 2688 | 2689 | rBV4 | 6641   | 8694   | 0.61%  | 0.045% |
| 63 | 19.765 | 2697 | 2702 | 2707 | rBV2 | 42184  | 73150  | 5.11%  | 0.376% |
| 64 | 19.889 | 2716 | 2723 | 2728 | rBV  | 316241 | 457509 | 31.98% | 2.353% |
| 65 | 19.947 | 2729 | 2733 | 2744 | rVB  | 34566  | 74504  | 5.21%  | 0.383% |
| 66 | 20.041 | 2745 | 2749 | 2751 | rBV3 | 9545   | 11089  | 0.78%  | 0.057% |
| 67 | 20.223 | 2773 | 2780 | 2783 | rBV  | 511772 | 910533 | 63.65% | 4.682% |
| 68 | 20.312 | 2791 | 2795 | 2803 | rVB4 | 20445  | 31947  | 2.23%  | 0.164% |
| 69 | 20.423 | 2809 | 2814 | 2818 | rBV2 | 28887  | 57291  | 4.01%  | 0.295% |
| 70 | 20.494 | 2819 | 2826 | 2830 | rVV4 | 33692  | 84292  | 5.89%  | 0.433% |
| 71 | 20.570 | 2834 | 2839 | 2845 | rVB6 | 46184  | 102052 | 7.13%  | 0.525% |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
 Data File : BG027514.D  
 Acq On : 17 Jun 2017 19:49  
 Operator : SJ/MA  
 Sample : I3599-15  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 F5C91

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |         |         |        |
|-----|--------|------|------|------|------|--------|---------|---------|--------|
| 72  | 20.647 | 2849 | 2852 | 2856 | rVB3 | 17787  | 21086   | 1.47%   | 0.108% |
| 73  | 20.717 | 2856 | 2864 | 2873 | rVB6 | 57426  | 164867  | 11.53%  | 0.848% |
| 74  | 20.899 | 2887 | 2895 | 2899 | rBV3 | 45692  | 106992  | 7.48%   | 0.550% |
| 75  | 21.052 | 2917 | 2921 | 2926 | rBV2 | 45745  | 76906   | 5.38%   | 0.395% |
| 76  | 21.193 | 2941 | 2945 | 2955 | rVB6 | 30354  | 69613   | 4.87%   | 0.358% |
| 77  | 21.557 | 3001 | 3007 | 3016 | rVB  | 62019  | 128429  | 8.98%   | 0.660% |
| 78  | 21.786 | 3034 | 3046 | 3055 | rBV8 | 79207  | 335290  | 23.44%  | 1.724% |
| 79  | 21.863 | 3055 | 3059 | 3065 | rVB3 | 56475  | 108229  | 7.57%   | 0.557% |
| 80  | 22.233 | 3111 | 3122 | 3127 | rBV2 | 565940 | 1427191 | 99.77%  | 7.339% |
| 81  | 22.286 | 3128 | 3131 | 3139 | rVB  | 162709 | 290073  | 20.28%  | 1.492% |
| 82  | 22.456 | 3157 | 3160 | 3167 | rVB8 | 23880  | 44040   | 3.08%   | 0.226% |
| 83  | 22.679 | 3193 | 3198 | 3206 | rBV3 | 33940  | 81134   | 5.67%   | 0.417% |
| 84  | 23.050 | 3251 | 3261 | 3270 | rBV5 | 47924  | 175728  | 12.28%  | 0.904% |
| 85  | 23.120 | 3271 | 3273 | 3285 | rVB5 | 45081  | 112484  | 7.86%   | 0.578% |
| 86  | 23.855 | 3393 | 3398 | 3414 | rVB3 | 64252  | 178261  | 12.46%  | 0.917% |
| 87  | 24.278 | 3462 | 3470 | 3472 | rBV4 | 25361  | 61569   | 4.30%   | 0.317% |
| 88  | 24.718 | 3533 | 3545 | 3553 | rBV2 | 363246 | 1430431 | 100.00% | 7.356% |
| 89  | 25.006 | 3589 | 3594 | 3613 | rVB2 | 71527  | 257724  | 18.02%  | 1.325% |
| 90  | 25.253 | 3629 | 3636 | 3644 | rBV2 | 30555  | 121461  | 8.49%   | 0.625% |
| 91  | 25.547 | 3677 | 3686 | 3693 | rBV2 | 158936 | 465432  | 32.54%  | 2.393% |
| 92  | 25.635 | 3694 | 3701 | 3708 | rVV3 | 167702 | 439424  | 30.72%  | 2.260% |
| 93  | 25.717 | 3709 | 3715 | 3726 | rVB  | 159028 | 461454  | 32.26%  | 2.373% |
| 94  | 25.887 | 3731 | 3744 | 3755 | rVB4 | 289743 | 1093302 | 76.43%  | 5.622% |
| 95  | 26.769 | 3889 | 3894 | 3907 | rVB7 | 22133  | 74935   | 5.24%   | 0.385% |
| 96  | 27.157 | 3950 | 3960 | 3971 | rVB3 | 88546  | 288934  | 20.20%  | 1.486% |
| 97  | 28.714 | 4213 | 4225 | 4237 | rBV3 | 96012  | 382270  | 26.72%  | 1.966% |
| 98  | 30.088 | 4447 | 4459 | 4483 | rVB5 | 130606 | 794304  | 55.53%  | 4.085% |
| 99  | 30.600 | 4534 | 4546 | 4569 | rBV7 | 76161  | 414999  | 29.01%  | 2.134% |
| 100 | 31.410 | 4671 | 4684 | 4700 | rVB2 | 60930  | 314594  | 21.99%  | 1.618% |

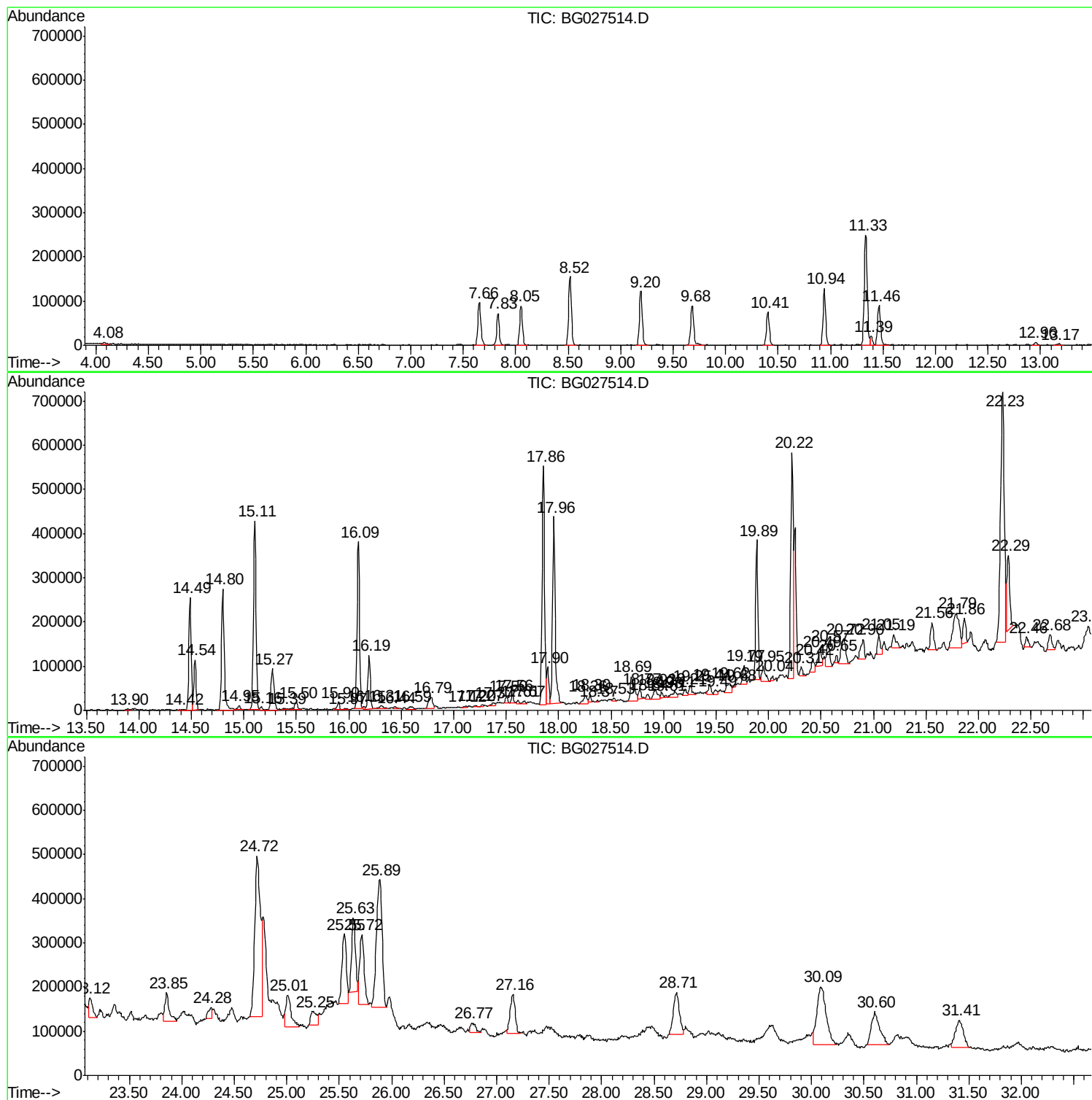
Sum of corrected areas: 19445723

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

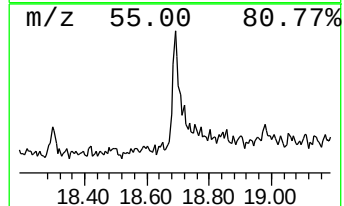
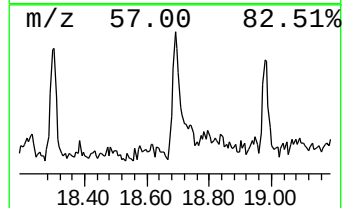
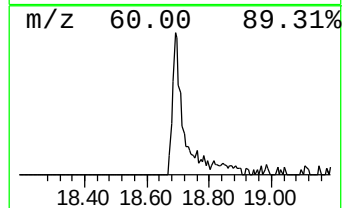
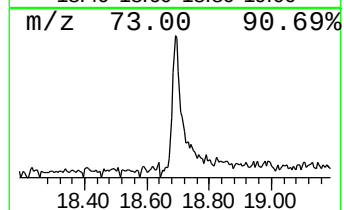
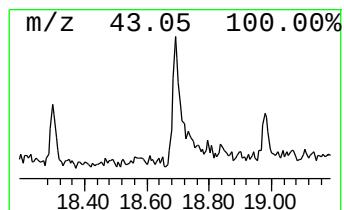
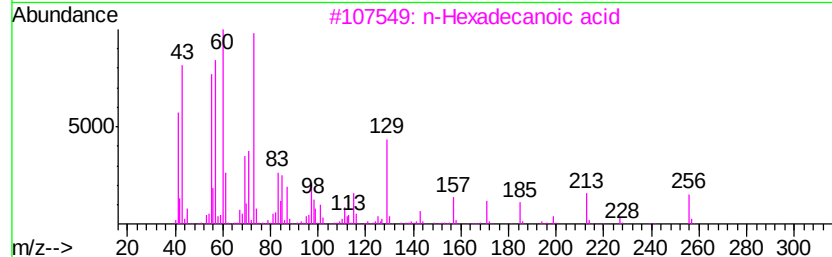
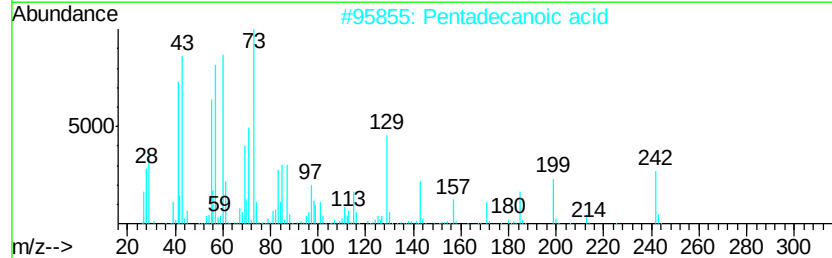
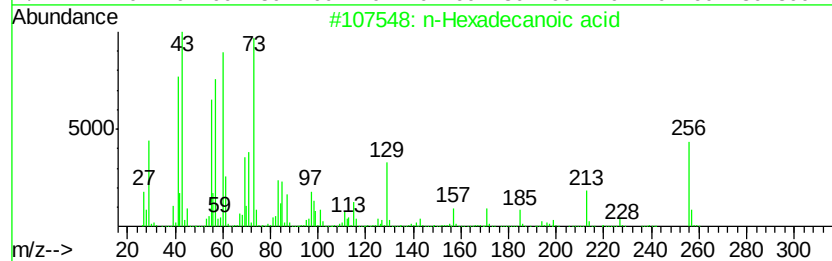
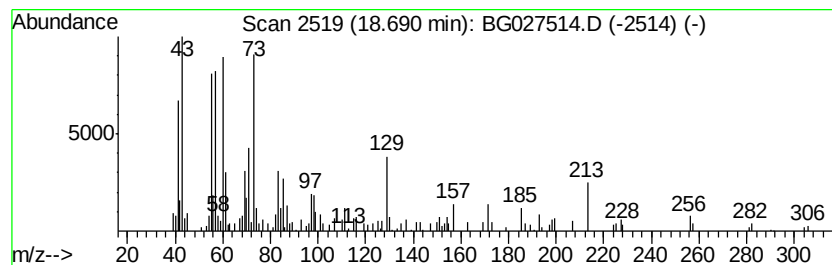
Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 7

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 18.69     | 3.09 ng/ul          | 137589 | Phenanthrene-d10 |             | 17.86 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 90    |
| 2         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 87    |
| 3         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 87    |
| 4         | Dodecanoic acid     | 200    | C12H24O2         | 000143-07-7 | 50    |
| 5         | Octadecanoic acid   | 284    | C18H36O2         | 000057-11-4 | 43    |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

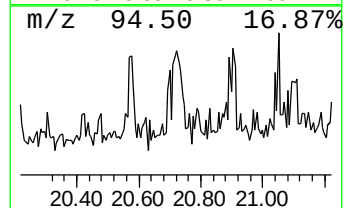
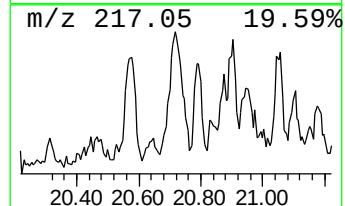
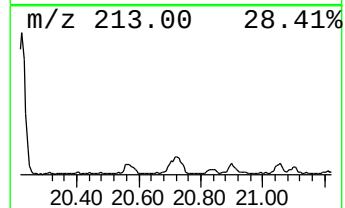
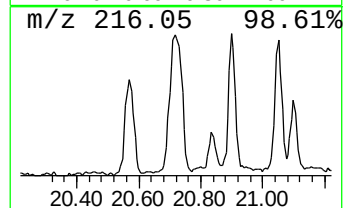
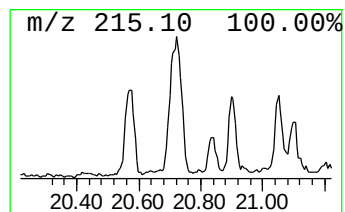
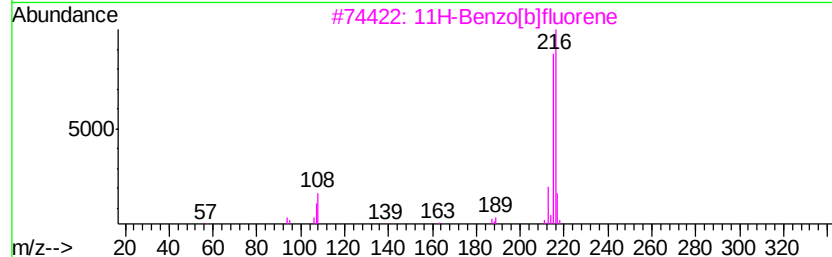
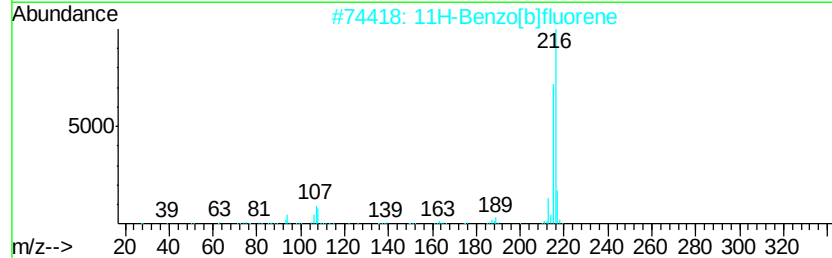
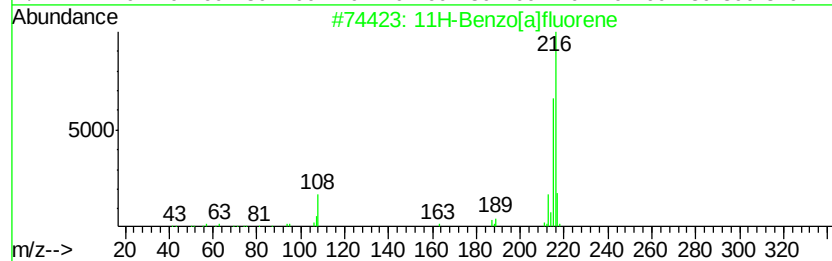
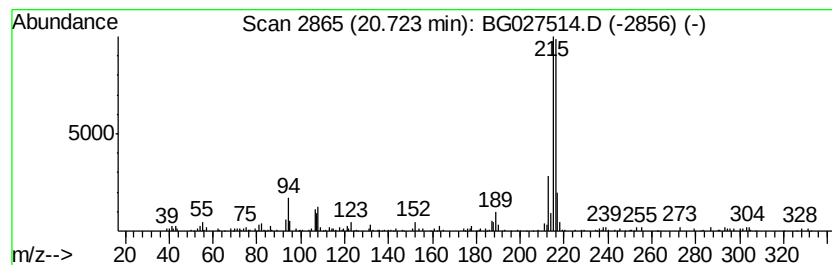
Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 11H-Benzo[a]fluorene Concentration Rank 10

| R.T.    | EstConc    | Area                 | Relative to ISTD | R.T.    |             |      |
|---------|------------|----------------------|------------------|---------|-------------|------|
| 20.72   | 2.31 ng/ul | 164867               | Chrysene-d12     | 22.23   |             |      |
| Hit# of | 5          | Tentative ID         | MW               | MolForm | CAS#        | Qual |
| 1       |            | 11H-Benzo[a]fluorene | 216              | C17H12  | 000238-84-6 | 96   |
| 2       |            | 11H-Benzo[b]fluorene | 216              | C17H12  | 000243-17-4 | 93   |
| 3       |            | 11H-Benzo[b]fluorene | 216              | C17H12  | 000243-17-4 | 91   |
| 4       |            | Pyrene, 1-methyl-    | 216              | C17H12  | 002381-21-7 | 91   |
| 5       |            | Pyrene, 1-methyl-    | 216              | C17H12  | 002381-21-7 | 91   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

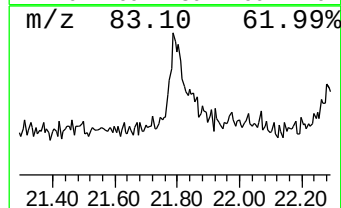
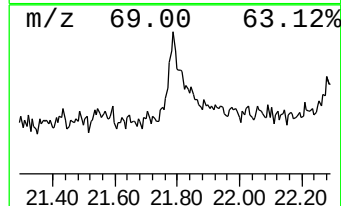
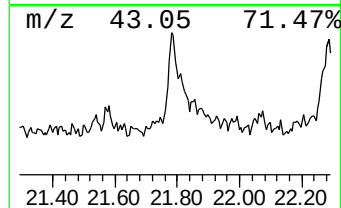
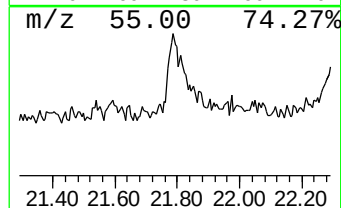
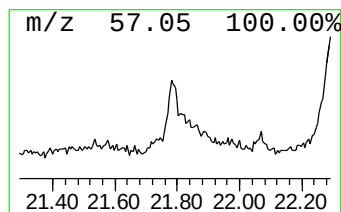
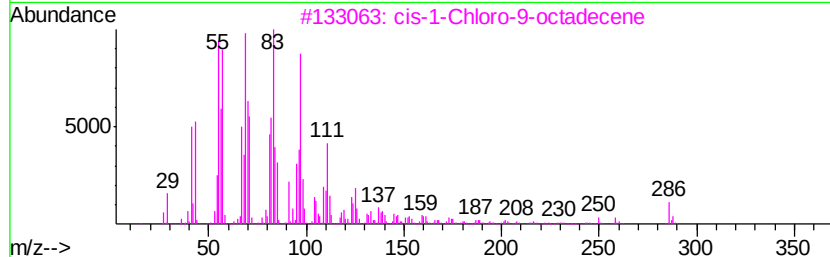
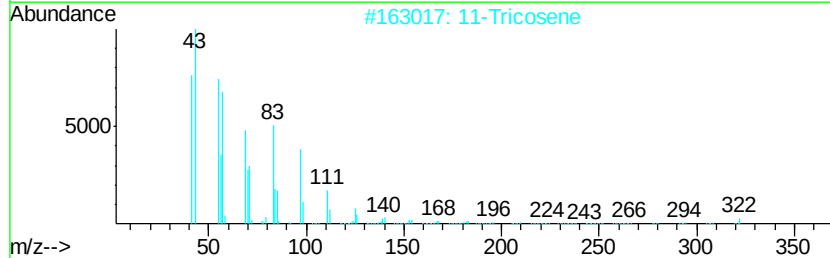
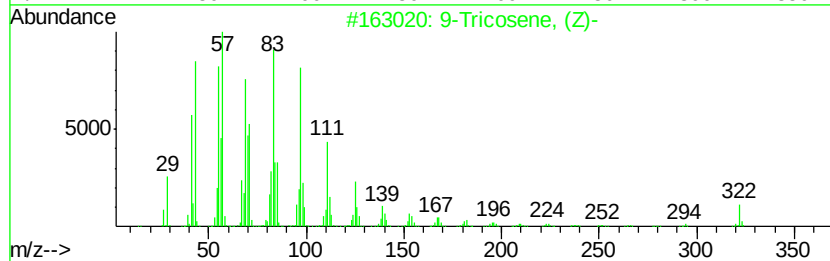
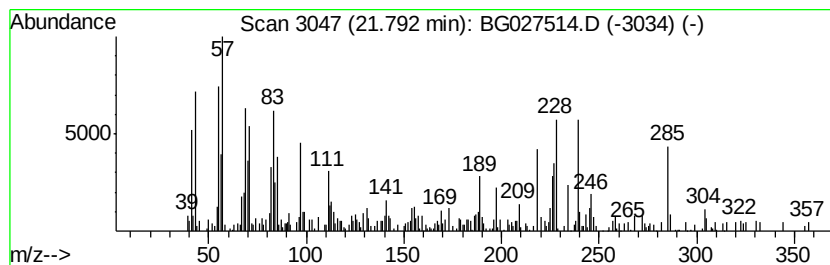
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.79 | 4.70 ng/ul | 335290 | Chrysene-d12     | 22.23 |

| Hit# | of                        | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|------|---------------------------|--------------|-----|----------|-------------|------|
| 1    | 9-Tricosene, (Z)-         |              | 322 | C23H46   | 027519-02-4 | 80   |
| 2    | 11-Tricosene              |              | 322 | C23H46   | 052078-56-5 | 80   |
| 3    | cis-1-Chloro-9-octadecene |              | 286 | C18H35Cl | 016507-61-2 | 55   |
| 4    | Cyclotetradecane          |              | 196 | C14H28   | 000295-17-0 | 49   |
| 5    | 9-Tricosene, (Z)-         |              | 322 | C23H46   | 027519-02-4 | 42   |





Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

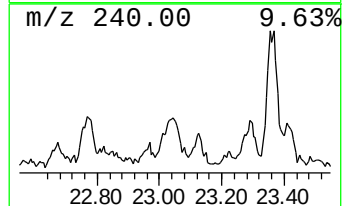
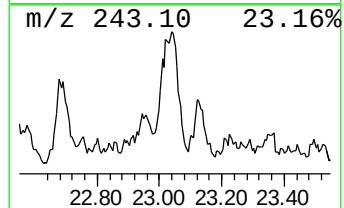
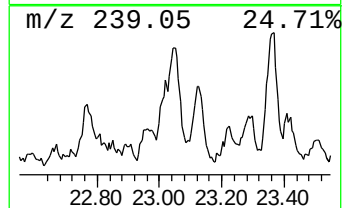
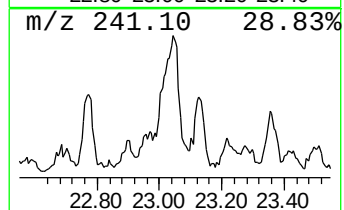
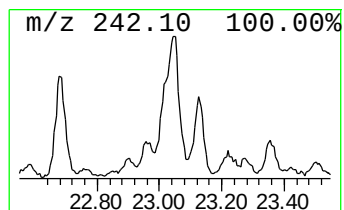
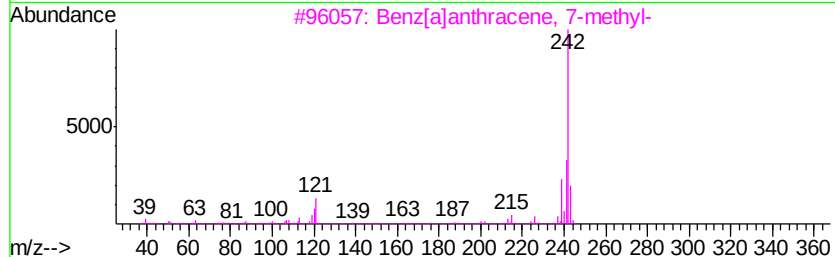
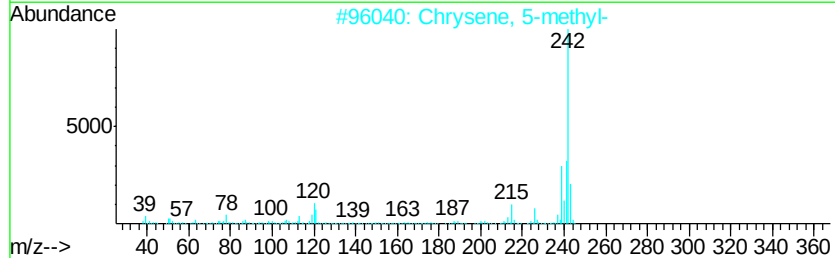
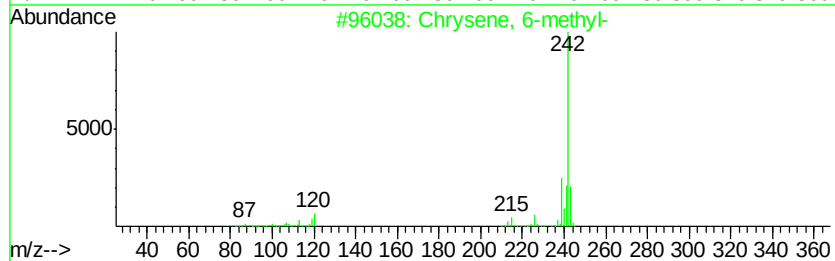
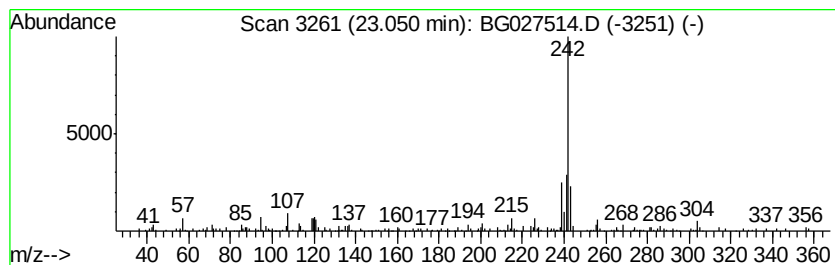
Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Chrysene, 6-methyl- Concentration Rank 9

| R.T.    | EstConc    | Area                            | Relative to ISTD | R.T.           |
|---------|------------|---------------------------------|------------------|----------------|
| 23.05   | 2.46 ng/ul | 175728                          | Chrysene-d12     | 22.23          |
| Hit# of | 5          | Tentative ID                    | MW MolForm       | CAS# Qual      |
| 1       |            | Chrysene, 6-methyl-             | 242 C19H14       | 001705-85-7 94 |
| 2       |            | Chrysene, 5-methyl-             | 242 C19H14       | 003697-24-3 91 |
| 3       |            | Benz[a]anthracene, 7-methyl-    | 242 C19H14       | 002541-69-7 89 |
| 4       |            | Benz[a]anthracene, 1-methyl-    | 242 C19H14       | 002498-77-3 86 |
| 5       |            | Benzo[c]phenanthrene, 5-methyl- | 242 C19H14       | 000652-04-0 86 |





Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

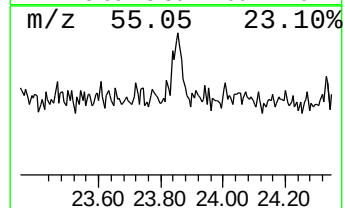
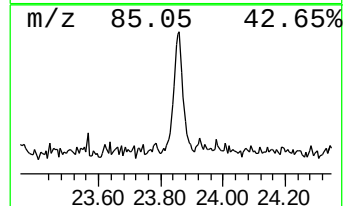
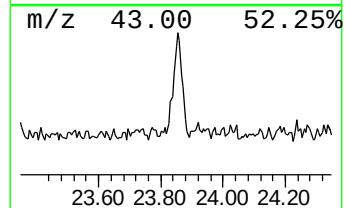
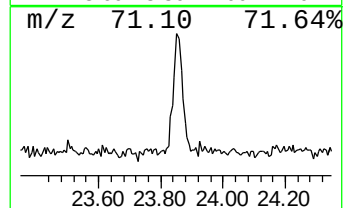
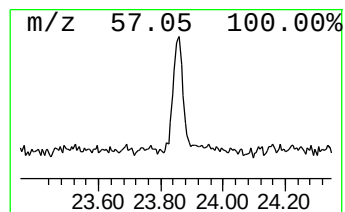
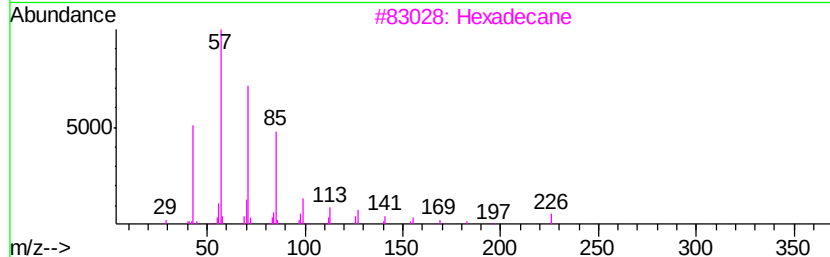
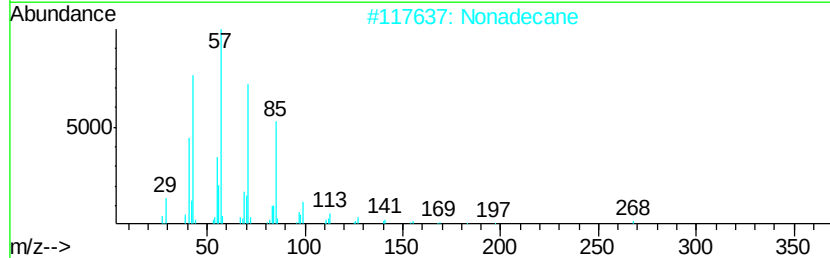
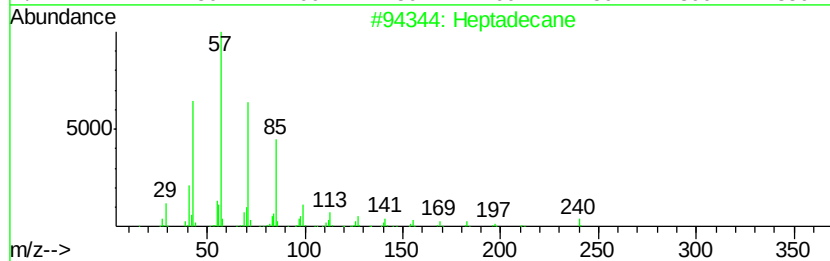
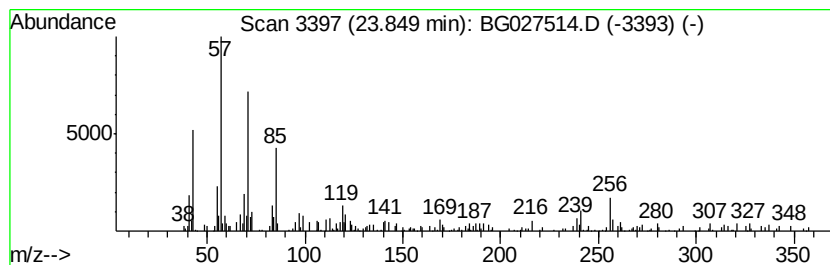
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.85 | 2.50 ng/ul | 178261 | Chrysene-d12     | 22.23 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane  | 240 | C17H36  | 000629-78-7 | 60   |
| 2    |    | Nonadecane   | 268 | C19H40  | 000629-92-5 | 55   |
| 3    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 55   |
| 4    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 55   |
| 5    |    | Dodecane     | 170 | C12H26  | 000112-40-3 | 46   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

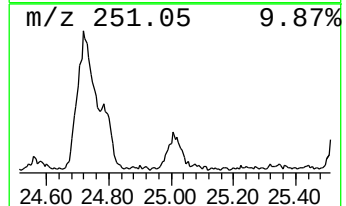
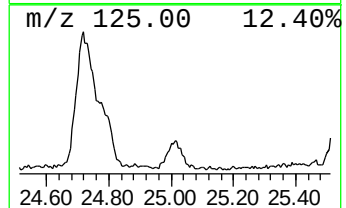
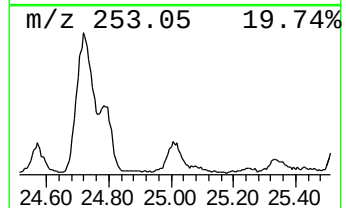
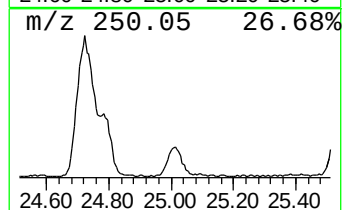
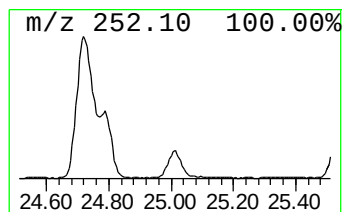
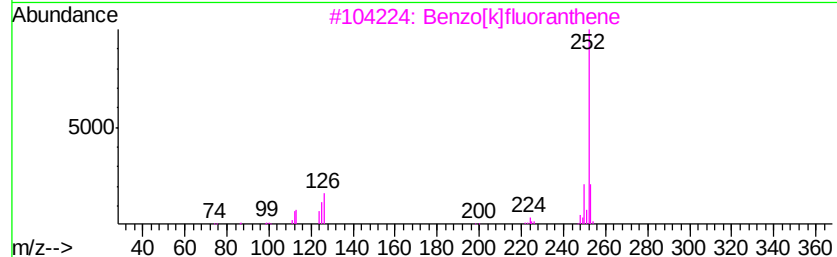
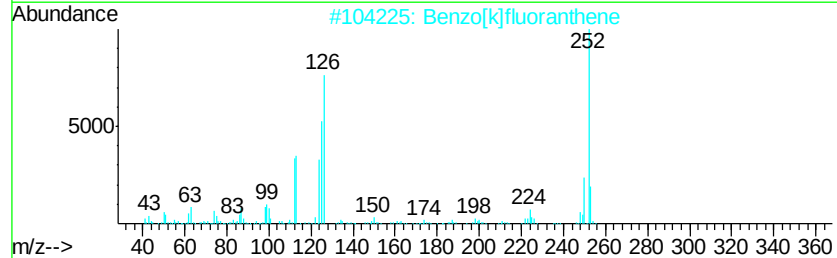
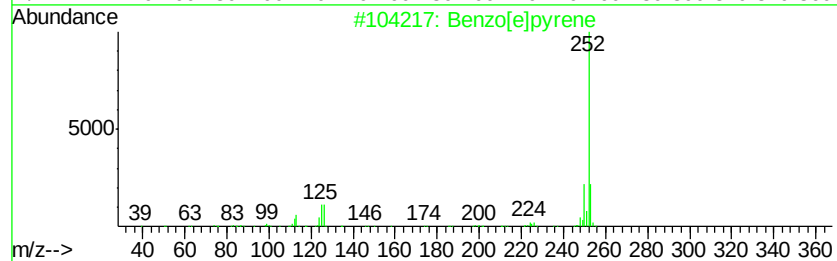
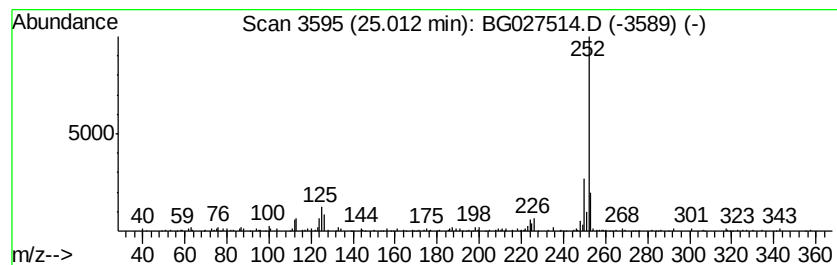
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzo[e]pyrene Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD |  | R.T.  |
|-------|------------|--------|------------------|--|-------|
| 25.01 | 4.71 ng/ul | 257724 | Perylene-d12     |  | 25.89 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 96   |
| 2    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 95   |
| 3    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 94   |
| 4    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 90   |
| 5    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 90   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

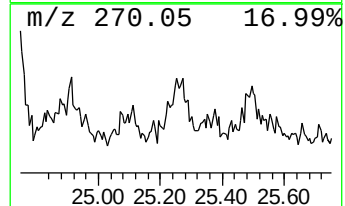
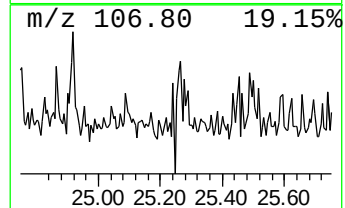
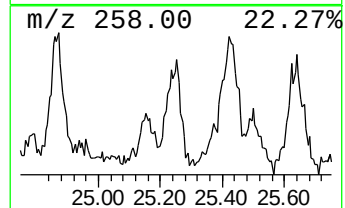
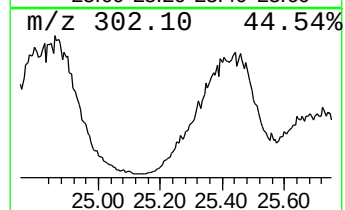
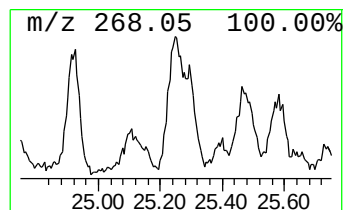
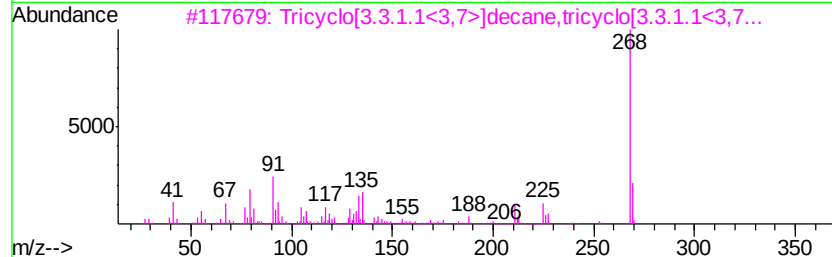
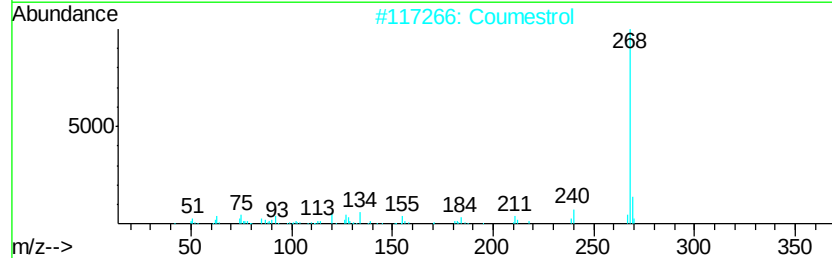
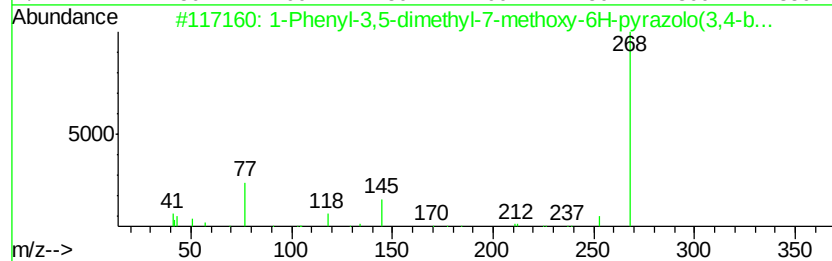
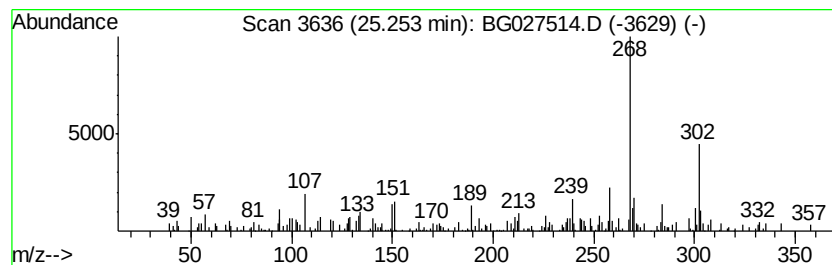
Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 unknown-01 Concentration Rank 11

| R.T.    | EstConc    | Area                                 | Relative to ISTD | R.T.            |
|---------|------------|--------------------------------------|------------------|-----------------|
| 25.25   | 2.22 ng/ul | 121461                               | Perylene-d12     | 25.89           |
| Hit# of | 5          | Tentative ID                         | MW MolForm       | CAS# Qual       |
| 1       |            | 1-Phenyl-3,5-dimethyl-7-methoxy-...  | 268 C15H16N4O    | 063536-12-9 38  |
| 2       |            | Coumestrol                           | 268 C15H8O5      | 000479-13-0 30  |
| 3       |            | Tricyclo[3.3.1.1<3,7>]decane, tri... | 268 C20H28       | 030541-56-1 30  |
| 4       |            | 9,10-Anthracenedione, 1,4,5,8-te...  | 268 C14H12N4O2   | 002475-45-8 30  |
| 5       |            | Hydroxymethyl penoxalin              | 297 C13H19N3O5   | 1000090-92-3 30 |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

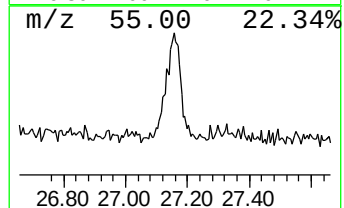
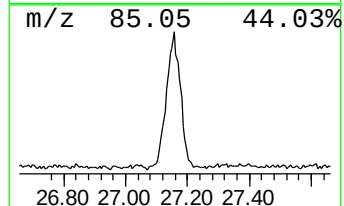
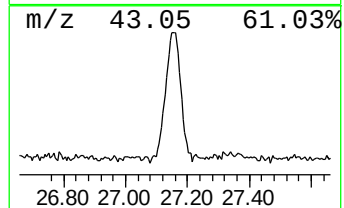
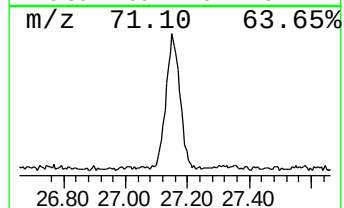
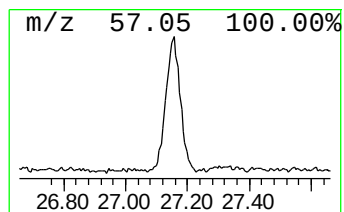
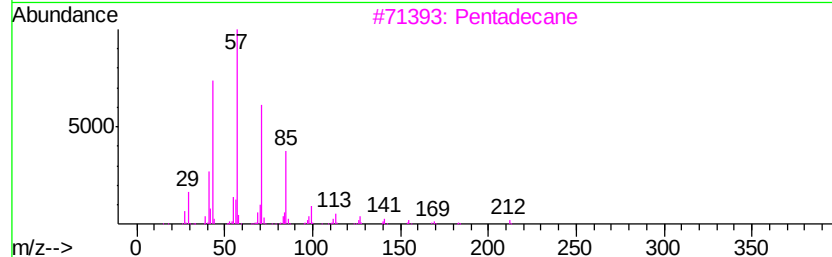
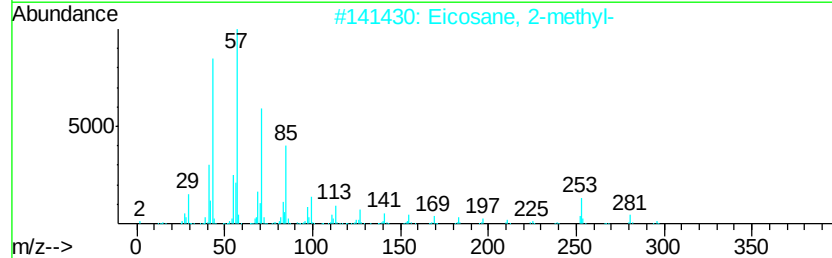
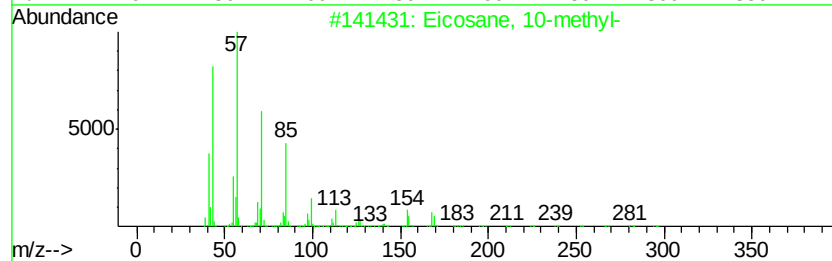
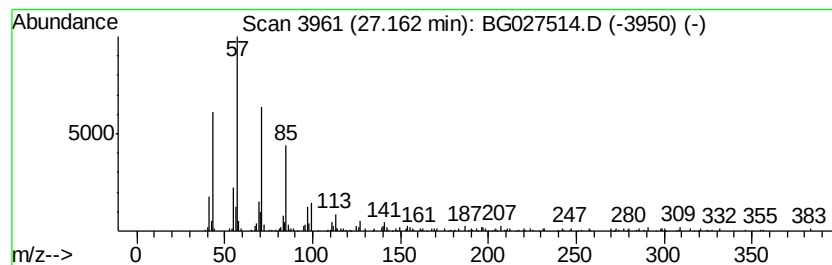
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 27.16 | 5.29 ng/ul | 288934 | Perylene-d12     | 25.89 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane, 10-methyl-    | 296 | C21H44  | 054833-23-7 | 93   |
| 2    |    | Eicosane, 2-methyl-     | 296 | C21H44  | 001560-84-5 | 90   |
| 3    |    | Pentadecane             | 212 | C15H32  | 000629-62-9 | 87   |
| 4    |    | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 87   |
| 5    |    | Octadecane              | 254 | C18H38  | 000593-45-3 | 86   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

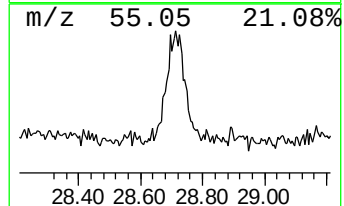
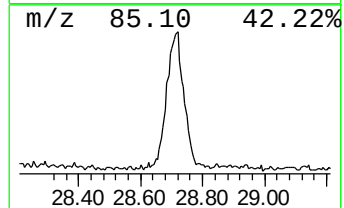
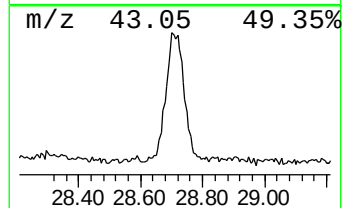
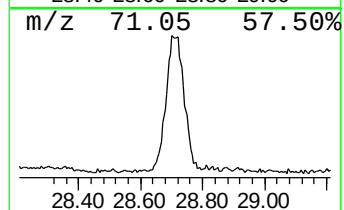
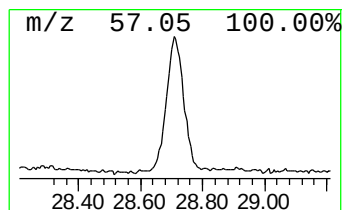
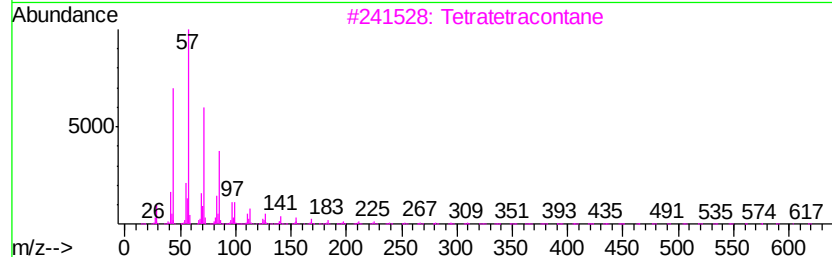
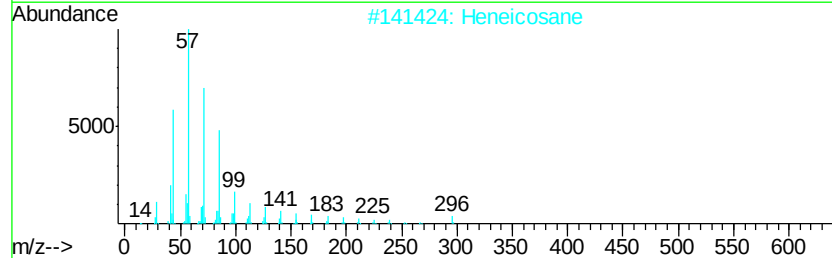
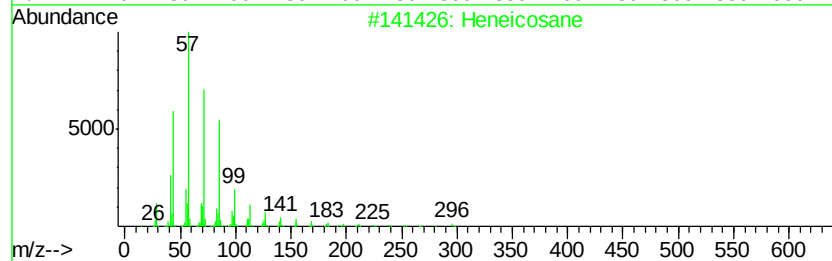
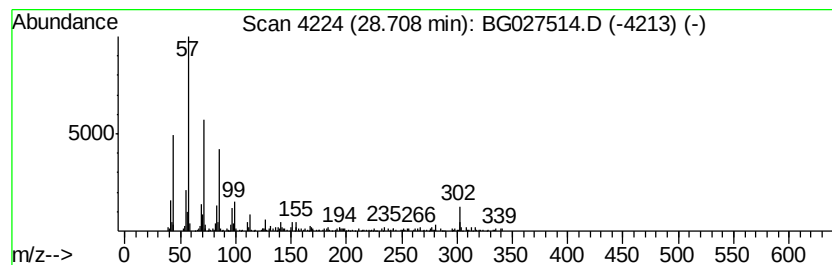
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 28.71 | 6.99 ng/ul | 382270 | Perylene-d12     | 25.89 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7 | 93   |
| 2    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    |   | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 87   |
| 4    |    |   | Hexacosane            | 366 | C26H54  | 000630-01-3 | 83   |
| 5    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 83   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
Quant Title : SVOA CALIBRATION

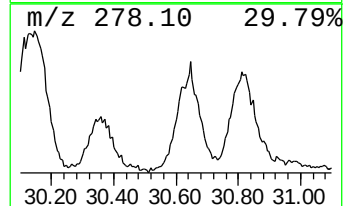
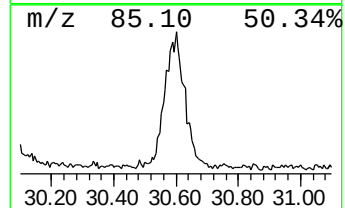
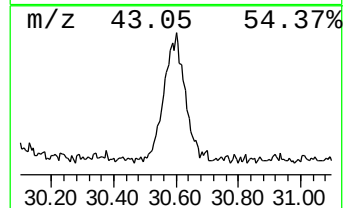
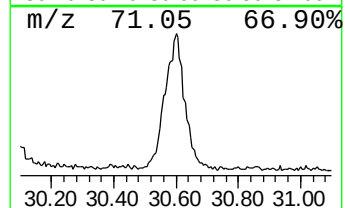
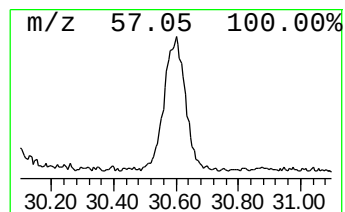
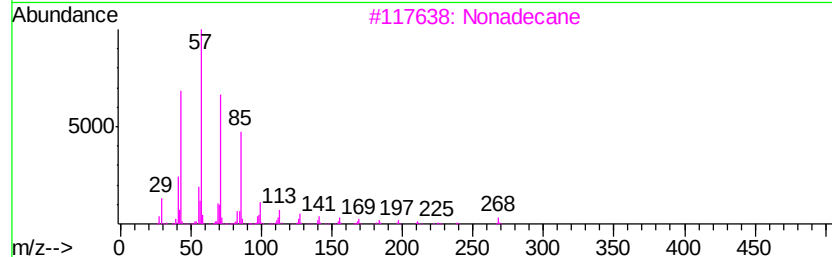
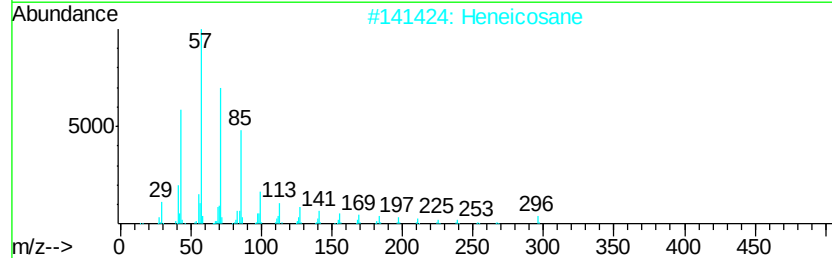
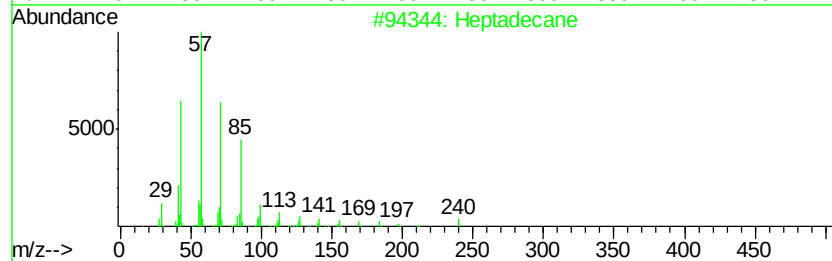
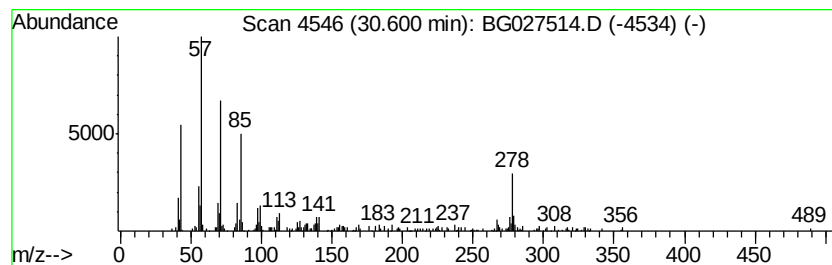
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 30.60 | 7.59 ng/ul | 414999 | Perylene-d12     | 25.89 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane        | 240 | C17H36  | 000629-78-7 | 95   |
| 2    |    |   | Heneicosane        | 296 | C21H44  | 000629-94-7 | 95   |
| 3    |    |   | Nonadecane         | 268 | C19H40  | 000629-92-5 | 92   |
| 4    |    |   | Tricosane          | 324 | C23H48  | 000638-67-5 | 86   |
| 5    |    |   | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 86   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
Data File : BG027514.D  
Acq On : 17 Jun 2017 19:49  
Operator : SJ/MA  
Sample : I3599-15  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
F5C91

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.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 |
| n-Hexadecanoic acid  | 18.69 | 3.1     | ng/ul | 137589   | 4                     | 17.86 | 889313  | 20.0 |
| 11H-Benzo[a]fluorene | 20.72 | 2.3     | ng/ul | 164867   | 5                     | 22.23 | 1427190 | 20.0 |
| (DEL) Alkane: Str... | 21.79 | 4.7     | ng/ul | 335290   | 5                     | 22.23 | 1427190 | 20.0 |
| Chrysene, 6-methyl-  | 23.05 | 2.5     | ng/ul | 175728   | 5                     | 22.23 | 1427190 | 20.0 |
| (DEL) Alkane: Str... | 23.85 | 2.5     | ng/ul | 178261   | 5                     | 22.23 | 1427190 | 20.0 |
| Benzo[e]pyrene       | 25.01 | 4.7     | ng/ul | 257724   | 6                     | 25.89 | 1093300 | 20.0 |
| unknown-01           | 25.25 | 2.2     | ng/ul | 121461   | 6                     | 25.89 | 1093300 | 20.0 |
| (DEL) Alkane: Str... | 27.16 | 5.3     | ng/ul | 288934   | 6                     | 25.89 | 1093300 | 20.0 |
| (DEL) Alkane: Str... | 28.71 | 7.0     | ng/ul | 382270   | 6                     | 25.89 | 1093300 | 20.0 |
| (DEL) Alkane: Str... | 30.60 | 7.6     | ng/ul | 414999   | 6                     | 25.89 | 1093300 | 20.0 |