

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
 Data File : BG017397.D  
 Acq On : 2 Jun 2015 16:28  
 Operator : TP/IZ  
 Sample : G2430-17  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BCRES

## 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:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.351       | 110           | 113         | 123          | rVB      | 8463           | 15093         | 2.36%           | 0.150%        |
| 2         | 3.956       | 214           | 216         | 219          | rBV3     | 2252           | 2879          | 0.45%           | 0.029%        |
| 3         | 4.403       | 289           | 292         | 295          | rVB5     | 1921           | 2643          | 0.41%           | 0.026%        |
| 4         | 4.603       | 322           | 326         | 331          | rVB6     | 1368           | 2475          | 0.39%           | 0.025%        |
| 5         | 5.137       | 414           | 417         | 421          | rVB4     | 2471           | 2859          | 0.45%           | 0.029%        |
| 6         | 5.619       | 494           | 499         | 507          | rVB5     | 6512           | 11171         | 1.75%           | 0.111%        |
| 7         | 5.719       | 512           | 516         | 519          | rVV4     | 2155           | 3266          | 0.51%           | 0.033%        |
| 8         | 6.118       | 581           | 584         | 586          | rBV3     | 3886           | 3824          | 0.60%           | 0.038%        |
| 9         | 6.154       | 586           | 590         | 593          | rVV      | 12130          | 18105         | 2.83%           | 0.180%        |
| 10        | 6.283       | 609           | 612         | 615          | rVV4     | 2212           | 2860          | 0.45%           | 0.029%        |
| 11        | 6.694       | 678           | 682         | 686          | rBV6     | 2220           | 4096          | 0.64%           | 0.041%        |
| 12        | 6.841       | 700           | 707         | 716          | rVV      | 115512         | 188339        | 29.45%          | 1.878%        |
| 13        | 6.976       | 723           | 730         | 739          | rBV      | 77661          | 118969        | 18.60%          | 1.186%        |
| 14        | 7.176       | 757           | 764         | 772          | rBV      | 116419         | 186919        | 29.23%          | 1.863%        |
| 15        | 7.634       | 836           | 842         | 848          | rVB      | 118315         | 182835        | 28.59%          | 1.823%        |
| 16        | 7.705       | 851           | 854         | 859          | rVV3     | 4890           | 5693          | 0.89%           | 0.057%        |
| 17        | 7.769       | 863           | 865         | 869          | rBV3     | 1691           | 2317          | 0.36%           | 0.023%        |
| 18        | 7.858       | 875           | 880         | 884          | rVB3     | 4017           | 5664          | 0.89%           | 0.056%        |
| 19        | 8.369       | 961           | 967         | 974          | rBV      | 136402         | 217946        | 34.08%          | 2.173%        |
| 20        | 8.463       | 979           | 983         | 988          | rVB2     | 11684          | 16593         | 2.59%           | 0.165%        |
| 21        | 8.745       | 1024          | 1031        | 1034         | rBV      | 15471          | 23265         | 3.64%           | 0.232%        |
| 22        | 8.798       | 1034          | 1040        | 1047         | rVV      | 108936         | 181535        | 28.38%          | 1.810%        |
| 23        | 8.956       | 1062          | 1067        | 1074         | rBV7     | 3316           | 6954          | 1.09%           | 0.069%        |
| 24        | 9.215       | 1108          | 1111        | 1115         | rVV3     | 3195           | 3908          | 0.61%           | 0.039%        |
| 25        | 9.514       | 1154          | 1162        | 1174         | rVB      | 108217         | 180852        | 28.28%          | 1.803%        |
| 26        | 10.067      | 1250          | 1256        | 1264         | rVV      | 146439         | 243874        | 38.13%          | 2.431%        |
| 27        | 10.208      | 1275          | 1280        | 1288         | rBV3     | 13471          | 25782         | 4.03%           | 0.257%        |
| 28        | 10.431      | 1311          | 1318        | 1324         | rBV      | 161539         | 265106        | 41.45%          | 2.643%        |
| 29        | 10.572      | 1335          | 1342        | 1354         | rVV2     | 85999          | 160428        | 25.08%          | 1.599%        |
| 30        | 11.030      | 1418          | 1420        | 1423         | rVV3     | 1963           | 2311          | 0.36%           | 0.023%        |
| 31        | 11.947      | 1573          | 1576        | 1579         | rVB5     | 2830           | 3471          | 0.54%           | 0.035%        |
| 32        | 12.646      | 1689          | 1695        | 1701         | rBV2     | 20598          | 32245         | 5.04%           | 0.321%        |
| 33        | 12.817      | 1720          | 1724        | 1726         | rVB3     | 2400           | 2786          | 0.44%           | 0.028%        |
| 34        | 12.899      | 1732          | 1738        | 1744         | rVB      | 36159          | 50210         | 7.85%           | 0.501%        |

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 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BCRE8

## 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:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 13.052 | 1759 | 1764 | 1769 | rBV5 | 1209   | 2645   | 0.41%  | 0.026% |
| 36 | 13.169 | 1779 | 1784 | 1787 | rBV4 | 1561   | 2925   | 0.46%  | 0.029% |
| 37 | 13.710 | 1870 | 1876 | 1880 | rVV  | 228958 | 312062 | 48.79% | 3.111% |
| 38 | 13.757 | 1880 | 1884 | 1890 | rVV  | 116701 | 161083 | 25.19% | 1.606% |
| 39 | 13.833 | 1894 | 1897 | 1900 | rVV3 | 2270   | 2721   | 0.43%  | 0.027% |
| 40 | 13.986 | 1913 | 1923 | 1932 | rBV  | 261482 | 397967 | 62.22% | 3.967% |
| 41 | 14.086 | 1938 | 1940 | 1943 | rBV3 | 1911   | 2115   | 0.33%  | 0.021% |
| 42 | 14.197 | 1957 | 1959 | 1964 | rVB4 | 3850   | 5016   | 0.78%  | 0.050% |
| 43 | 14.297 | 1970 | 1976 | 1985 | rVV2 | 229676 | 349004 | 54.57% | 3.479% |
| 44 | 14.362 | 1985 | 1987 | 1992 | rVB4 | 2924   | 2699   | 0.42%  | 0.027% |
| 45 | 14.556 | 2014 | 2020 | 2032 | rBV  | 101354 | 179027 | 27.99% | 1.785% |
| 46 | 14.797 | 2060 | 2061 | 2063 | rBV2 | 2357   | 2205   | 0.34%  | 0.022% |
| 47 | 14.820 | 2063 | 2065 | 2068 | rVV3 | 3161   | 3663   | 0.57%  | 0.037% |
| 48 | 14.896 | 2075 | 2078 | 2081 | rVB4 | 2263   | 2291   | 0.36%  | 0.023% |
| 49 | 15.096 | 2108 | 2112 | 2117 | rBV6 | 4898   | 7844   | 1.23%  | 0.078% |
| 50 | 15.155 | 2120 | 2122 | 2127 | rVB5 | 6294   | 7460   | 1.17%  | 0.074% |
| 51 | 15.296 | 2140 | 2146 | 2156 | rVB  | 329937 | 465777 | 72.83% | 4.643% |
| 52 | 15.425 | 2161 | 2168 | 2176 | rVB  | 114502 | 163022 | 25.49% | 1.625% |
| 53 | 15.549 | 2183 | 2189 | 2191 | rBV5 | 5439   | 10119  | 1.58%  | 0.101% |
| 54 | 15.660 | 2203 | 2208 | 2211 | rVB5 | 4097   | 5928   | 0.93%  | 0.059% |
| 55 | 15.707 | 2213 | 2216 | 2220 | rVB4 | 1848   | 2189   | 0.34%  | 0.022% |
| 56 | 15.766 | 2223 | 2226 | 2227 | rBV2 | 2056   | 2217   | 0.35%  | 0.022% |
| 57 | 15.848 | 2238 | 2240 | 2244 | rBV3 | 3146   | 4517   | 0.71%  | 0.045% |
| 58 | 15.901 | 2244 | 2249 | 2257 | rVB3 | 20171  | 33457  | 5.23%  | 0.334% |
| 59 | 16.019 | 2264 | 2269 | 2273 | rBV4 | 10333  | 15625  | 2.44%  | 0.156% |
| 60 | 16.142 | 2286 | 2290 | 2292 | rBV4 | 1611   | 2244   | 0.35%  | 0.022% |
| 61 | 16.195 | 2296 | 2299 | 2303 | rVV5 | 6964   | 8752   | 1.37%  | 0.087% |
| 62 | 16.248 | 2306 | 2308 | 2314 | rVB6 | 2784   | 3378   | 0.53%  | 0.034% |
| 63 | 16.401 | 2331 | 2334 | 2337 | rVB4 | 5247   | 5568   | 0.87%  | 0.056% |
| 64 | 16.459 | 2340 | 2344 | 2349 | rBV5 | 8592   | 16541  | 2.59%  | 0.165% |
| 65 | 16.594 | 2365 | 2367 | 2370 | rBV3 | 2819   | 2505   | 0.39%  | 0.025% |
| 66 | 16.647 | 2374 | 2376 | 2378 | rBV3 | 3406   | 4089   | 0.64%  | 0.041% |
| 67 | 16.712 | 2383 | 2387 | 2392 | rBV5 | 6235   | 9000   | 1.41%  | 0.090% |
| 68 | 16.812 | 2400 | 2404 | 2409 | rVV5 | 13831  | 20169  | 3.15%  | 0.201% |
| 69 | 16.859 | 2410 | 2412 | 2417 | rVB5 | 5217   | 6133   | 0.96%  | 0.061% |
| 70 | 16.959 | 2425 | 2429 | 2435 | rBV4 | 28356  | 41456  | 6.48%  | 0.413% |
| 71 | 17.047 | 2436 | 2444 | 2449 | rVV2 | 283238 | 410705 | 64.22% | 4.094% |

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 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |        |         |        |
|-----|--------|------|------|------|------|--------|--------|---------|--------|
| 72  | 17.088 | 2449 | 2451 | 2455 | rVV  | 23953  | 28696  | 4.49%   | 0.286% |
| 73  | 17.147 | 2455 | 2461 | 2471 | rVV  | 374256 | 503550 | 78.73%  | 5.020% |
| 74  | 17.235 | 2473 | 2476 | 2479 | rVB5 | 6663   | 9363   | 1.46%   | 0.093% |
| 75  | 17.435 | 2507 | 2510 | 2516 | rBV7 | 7429   | 14144  | 2.21%   | 0.141% |
| 76  | 17.499 | 2520 | 2521 | 2523 | rBV2 | 2476   | 2305   | 0.36%   | 0.023% |
| 77  | 17.546 | 2525 | 2529 | 2534 | rBV5 | 12318  | 15919  | 2.49%   | 0.159% |
| 78  | 17.658 | 2546 | 2548 | 2551 | rVB4 | 3458   | 2580   | 0.40%   | 0.026% |
| 79  | 17.723 | 2557 | 2559 | 2562 | rVB4 | 5377   | 5156   | 0.81%   | 0.051% |
| 80  | 17.758 | 2563 | 2565 | 2570 | rVB6 | 8587   | 10045  | 1.57%   | 0.100% |
| 81  | 17.852 | 2574 | 2581 | 2584 | rBV7 | 19077  | 37908  | 5.93%   | 0.378% |
| 82  | 17.899 | 2584 | 2589 | 2594 | rVV  | 102526 | 143176 | 22.39%  | 1.427% |
| 83  | 17.958 | 2594 | 2599 | 2613 | rVB2 | 164254 | 248608 | 38.87%  | 2.478% |
| 84  | 18.251 | 2645 | 2649 | 2657 | rBV5 | 23737  | 45774  | 7.16%   | 0.456% |
| 85  | 18.762 | 2733 | 2736 | 2740 | rBV6 | 7570   | 9214   | 1.44%   | 0.092% |
| 86  | 19.115 | 2791 | 2796 | 2799 | rBV  | 69372  | 101985 | 15.95%  | 1.017% |
| 87  | 19.238 | 2814 | 2817 | 2825 | rVB6 | 27948  | 45452  | 7.11%   | 0.453% |
| 88  | 19.450 | 2848 | 2853 | 2868 | rVB2 | 439479 | 639566 | 100.00% | 6.376% |
| 89  | 19.967 | 2937 | 2941 | 2945 | rBV3 | 36715  | 51175  | 8.00%   | 0.510% |
| 90  | 20.431 | 3018 | 3020 | 3026 | rVB  | 25192  | 24263  | 3.79%   | 0.242% |
| 91  | 20.954 | 3104 | 3109 | 3116 | rVB2 | 224284 | 314667 | 49.20%  | 3.137% |
| 92  | 21.242 | 3153 | 3158 | 3162 | rBV  | 364613 | 488389 | 76.36%  | 4.869% |
| 93  | 21.841 | 3256 | 3260 | 3269 | rVB  | 191610 | 284371 | 44.46%  | 2.835% |
| 94  | 22.411 | 3354 | 3357 | 3362 | rVB  | 90301  | 121086 | 18.93%  | 1.207% |
| 95  | 22.517 | 3371 | 3375 | 3380 | rVB  | 154526 | 205260 | 32.09%  | 2.046% |
| 96  | 22.793 | 3418 | 3422 | 3426 | rBV2 | 110440 | 180249 | 28.18%  | 1.797% |
| 97  | 22.840 | 3426 | 3430 | 3442 | rVB  | 290109 | 486490 | 76.07%  | 4.850% |
| 98  | 23.339 | 3509 | 3515 | 3521 | rBV2 | 275598 | 480497 | 75.13%  | 4.790% |
| 99  | 23.480 | 3534 | 3539 | 3545 | rVB  | 213391 | 382058 | 59.74%  | 3.809% |
| 100 | 24.015 | 3625 | 3630 | 3637 | rVB2 | 153444 | 297750 | 46.56%  | 2.968% |

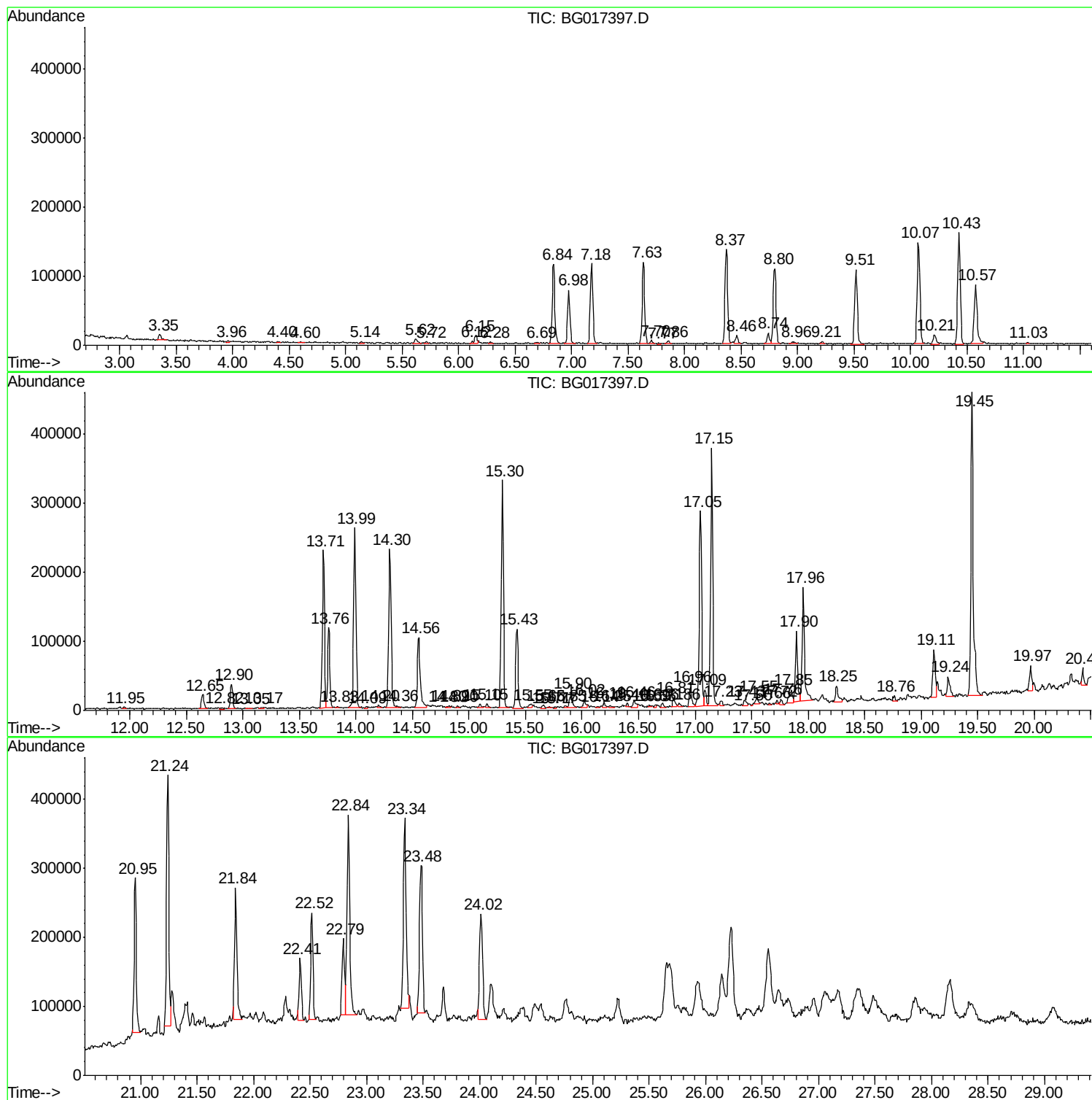
Sum of corrected areas: 10031087

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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
BCRE8

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

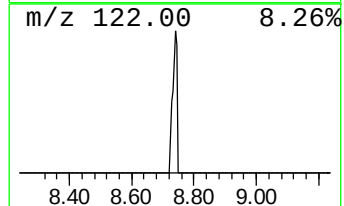
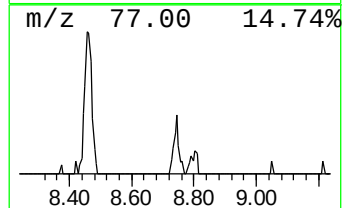
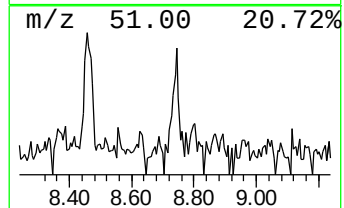
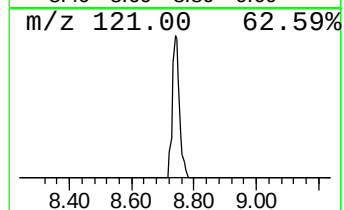
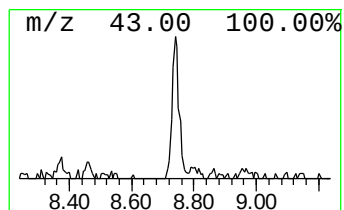
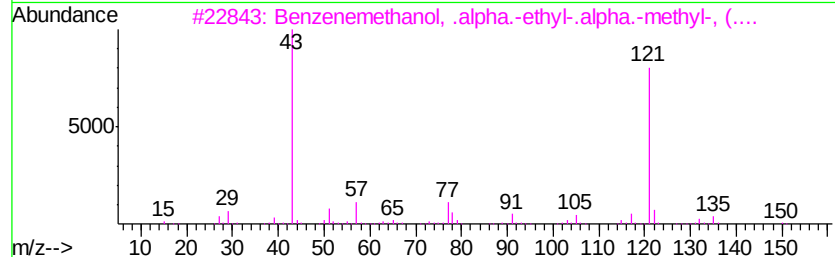
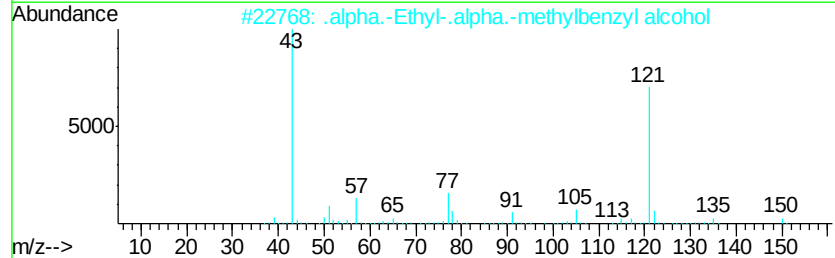
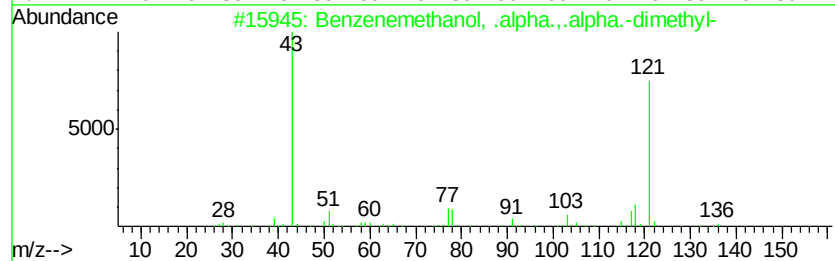
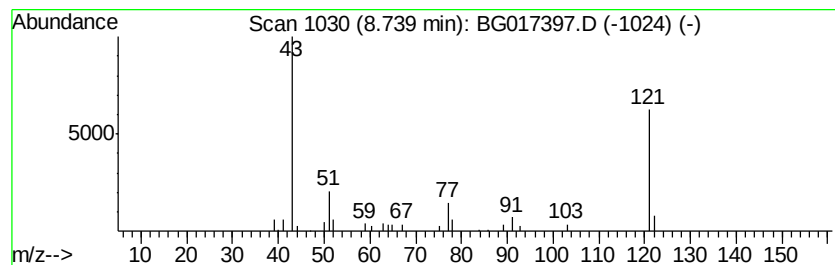
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 9

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 8.74 | 2.54 ng/ul | 23265 | 1,4-Dichlorobenzene-d4 | 7.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzenemethanol, .alpha.,.alpha.... | 136 | C9H12O  | 000617-94-7 | 43   |
| 2    |    | .alpha.-Ethyl-.alpha.-methylbenz... | 150 | C10H14O | 001565-75-9 | 42   |
| 3    |    | Benzenemethanol, .alpha.-ethyl-.... | 150 | C10H14O | 019641-57-7 | 40   |
| 4    |    | .alpha.-Ethyl-.alpha.-methylbenz... | 150 | C10H14O | 001565-75-9 | 40   |
| 5    |    | Benzenamine, 2,5-dimethyl-          | 121 | C8H11N  | 000095-78-3 | 27   |



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Quant Title : SVOA CALIBRATION

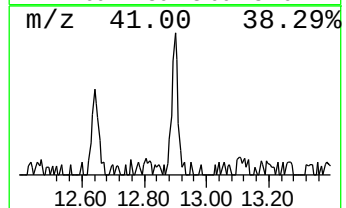
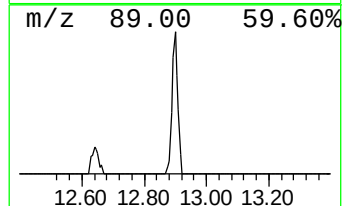
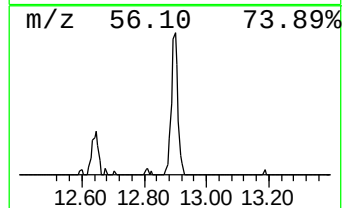
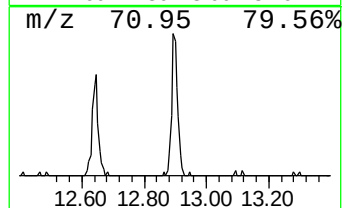
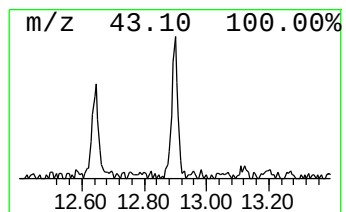
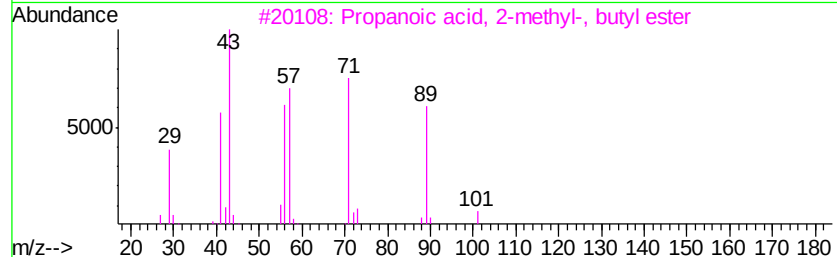
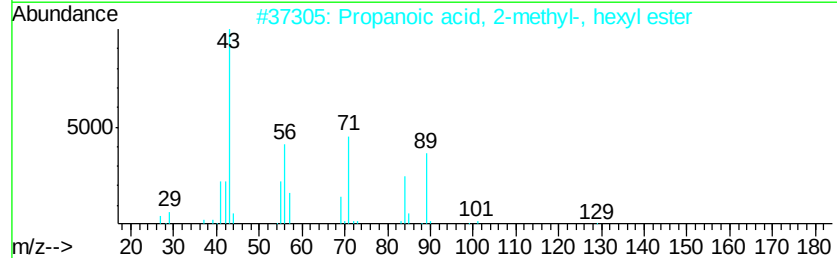
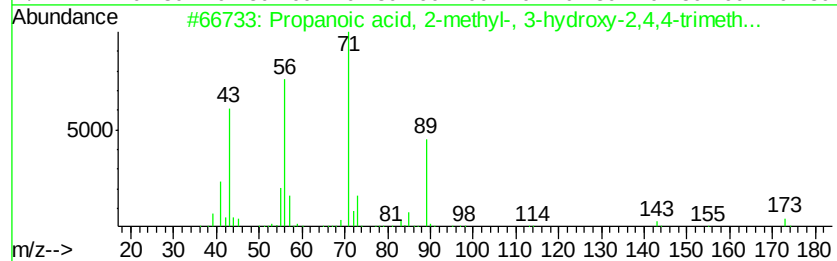
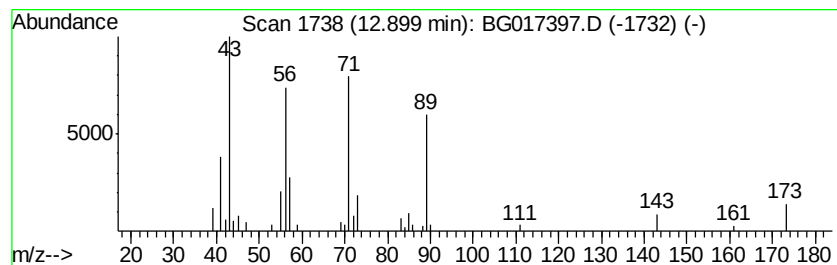
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Propanoic acid, 2-methyl-, ... Concentration Rank 8

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 12.90 | 2.88 ng/ul | 50210 | Acenaphthene-d10 | 14.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propanoic acid, 2-methyl-, 3-hyd... | 216 | C12H24O3 | 074367-34-3 | 80   |
| 2    |    | Propanoic acid, 2-methyl-, hexyl... | 172 | C10H20O2 | 002349-07-7 | 56   |
| 3    |    | Propanoic acid, 2-methyl-, butyl... | 144 | C8H16O2  | 000097-87-0 | 56   |
| 4    |    | Butanoic acid, butyl ester          | 144 | C8H16O2  | 000109-21-7 | 56   |
| 5    |    | Propanoic acid, 2-methyl-, 2-eth... | 216 | C12H24O3 | 074367-31-0 | 50   |



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Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

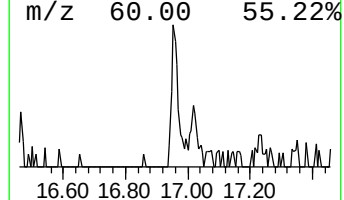
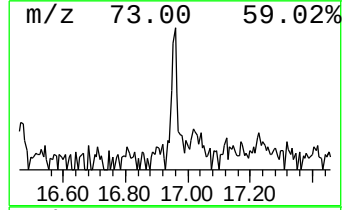
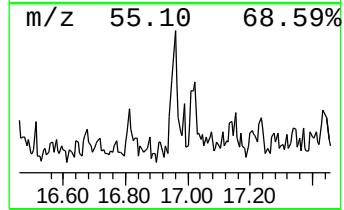
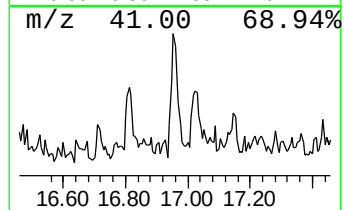
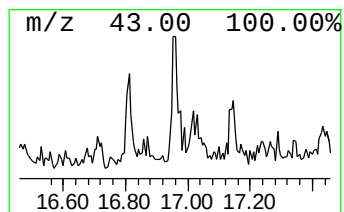
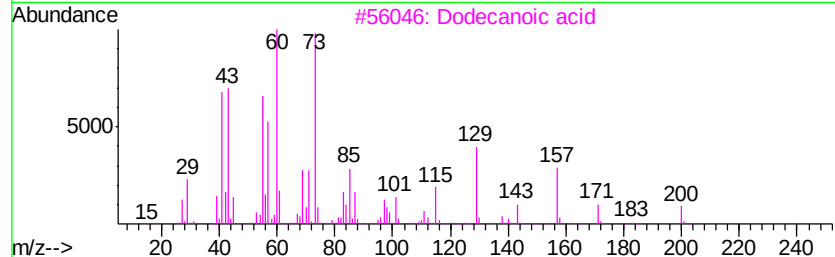
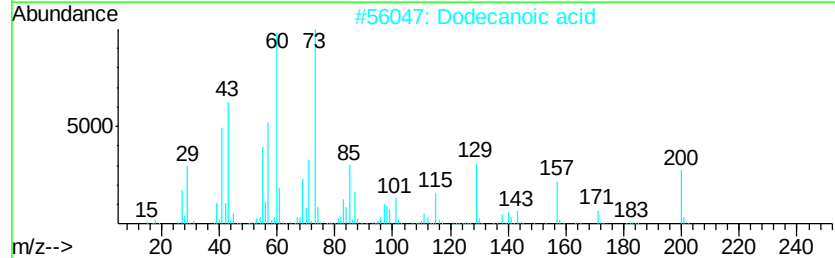
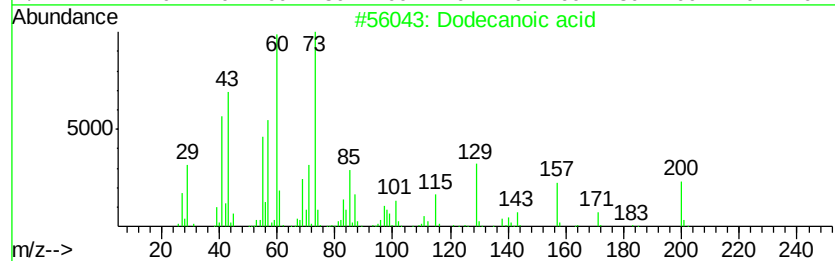
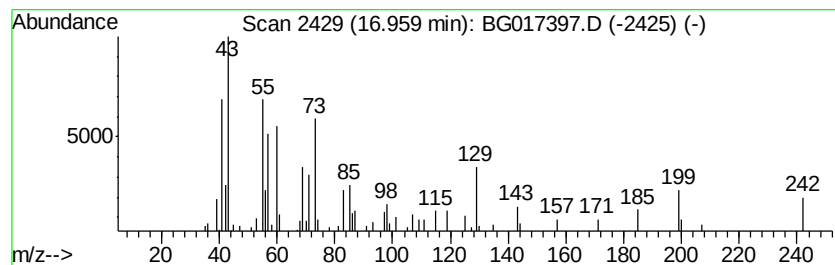
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BNA\_G  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Dodecanoic acid Concentration Rank 12

| R.T.      | EstConc            | Area  | Relative to ISTD |             | R.T.  |
|-----------|--------------------|-------|------------------|-------------|-------|
| 16.96     | 2.02 ng/ul         | 41456 | Phenanthrene-d10 |             | 17.05 |
| Hit# of 5 | Tentative ID       | MW    | MolForm          | CAS#        | Qual  |
| 1         | Dodecanoic acid    | 200   | C12H24O2         | 000143-07-7 | 70    |
| 2         | Dodecanoic acid    | 200   | C12H24O2         | 000143-07-7 | 55    |
| 3         | Dodecanoic acid    | 200   | C12H24O2         | 000143-07-7 | 50    |
| 4         | Tetradecanoic acid | 228   | C14H28O2         | 000544-63-8 | 47    |
| 5         | Tetradecanoic acid | 228   | C14H28O2         | 000544-63-8 | 47    |





Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
Data File : BG017397.D  
Acq On : 2 Jun 2015 16:28  
Operator : TP/IZ  
Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

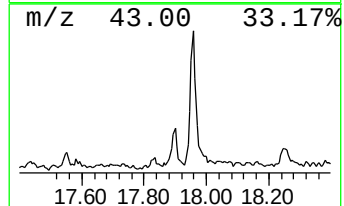
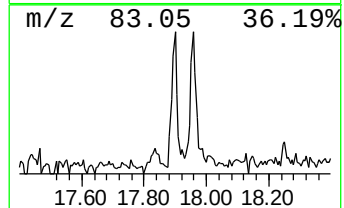
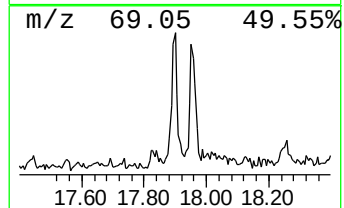
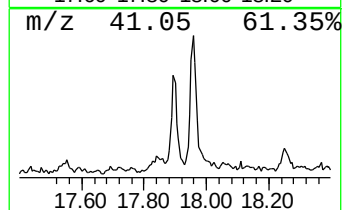
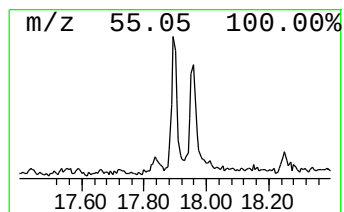
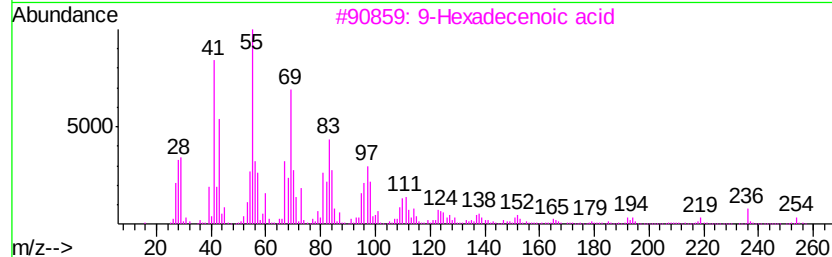
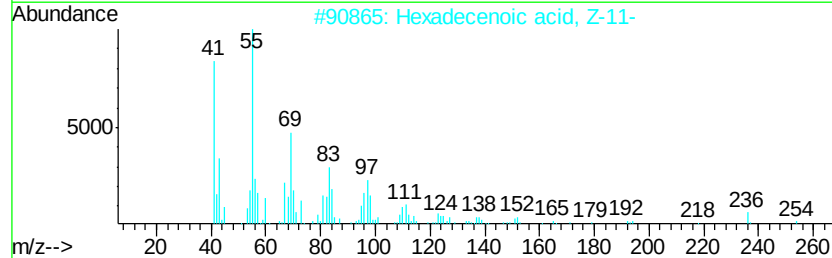
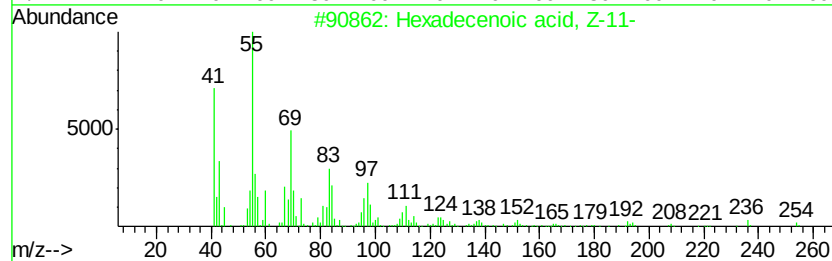
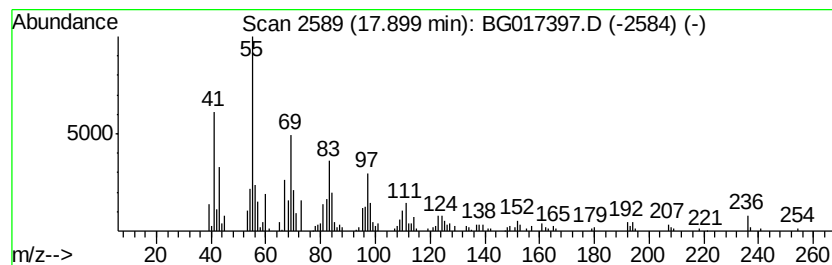
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Hexadecenoic acid, Z-11- Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 17.90     | 6.97 ng/ul                          | 143176 | Phenanthrene-d10 | 17.05        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Hexadecenoic acid, Z-11-            | 254    | C16H30O2         | 002416-20-8  | 96   |
| 2         | Hexadecenoic acid, Z-11-            | 254    | C16H30O2         | 002416-20-8  | 95   |
| 3         | 9-Hexadecenoic acid                 | 254    | C16H30O2         | 002091-29-4  | 68   |
| 4         | E-9-Tetradecenoic acid              | 226    | C14H26O2         | 1000131-35-8 | 53   |
| 5         | 15-Tetracosenoic acid, methyl es... | 380    | C25H48O2         | 002733-88-2  | 53   |





Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
Data File : BG017397.D  
Acq On : 2 Jun 2015 16:28  
Operator : TP/IZ  
Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BCRE8

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

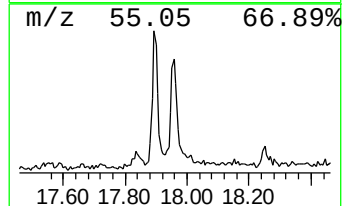
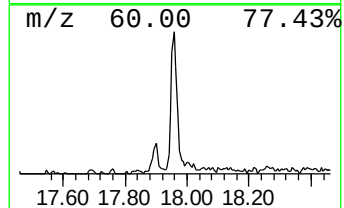
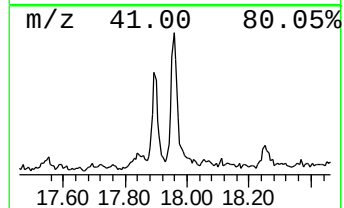
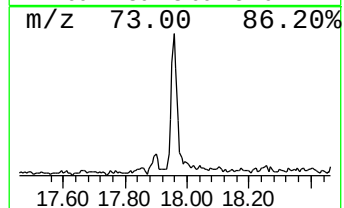
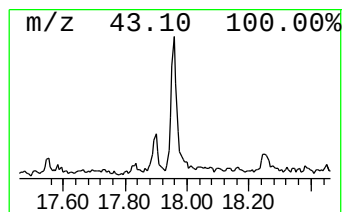
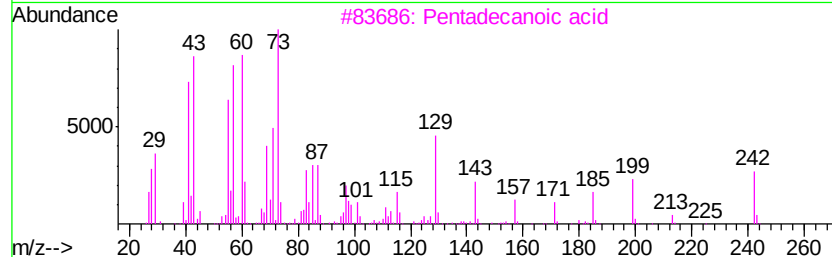
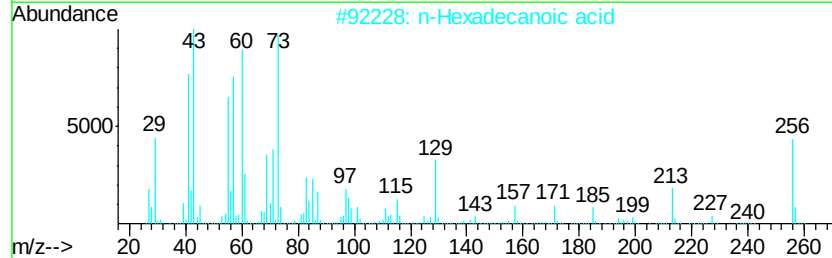
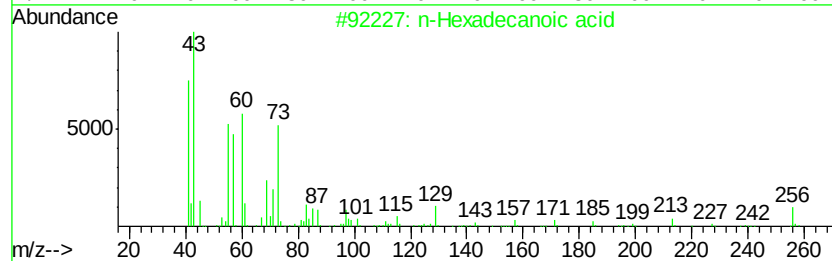
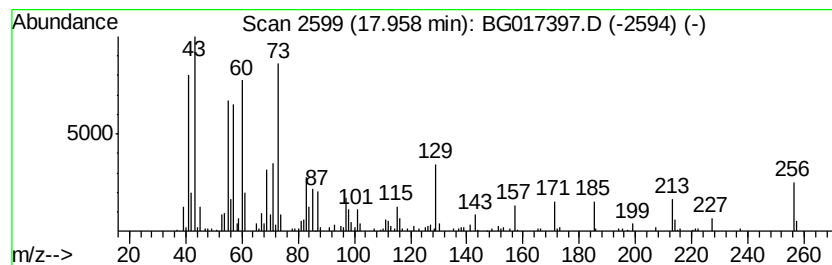
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 17.96 | 12.11 ng/ul | 248608 | Phenanthrene-d10 | 17.05 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 3    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 83   |
| 4    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 81   |
| 5    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 80   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
Data File : BG017397.D  
Acq On : 2 Jun 2015 16:28  
Operator : TP/IZ  
Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

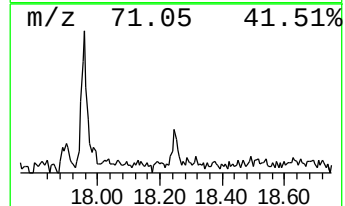
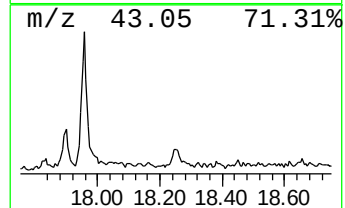
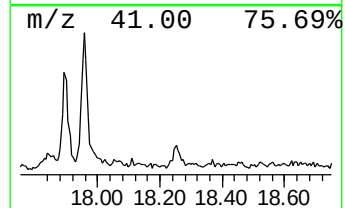
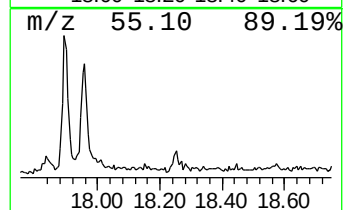
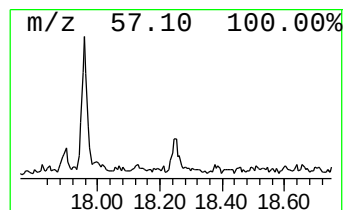
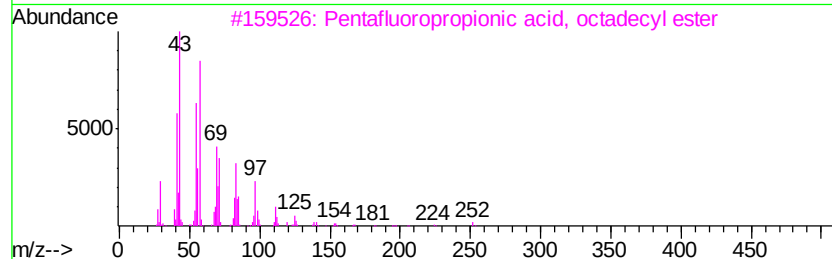
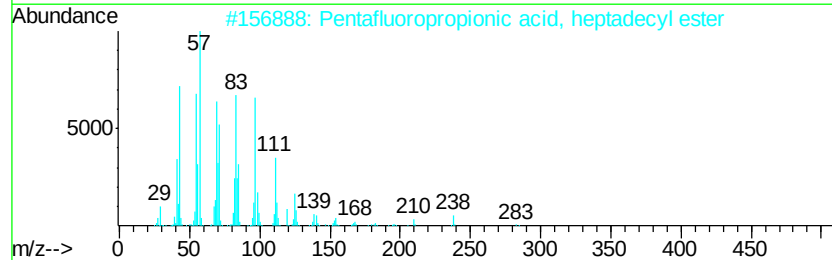
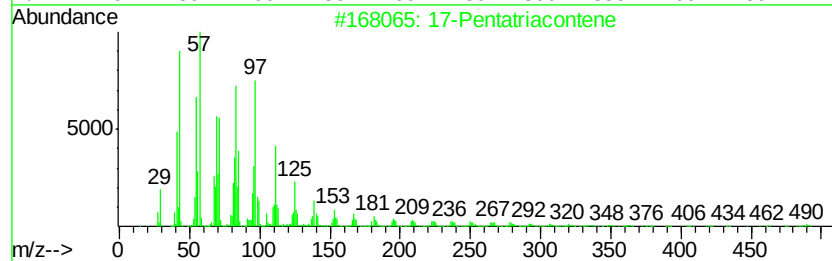
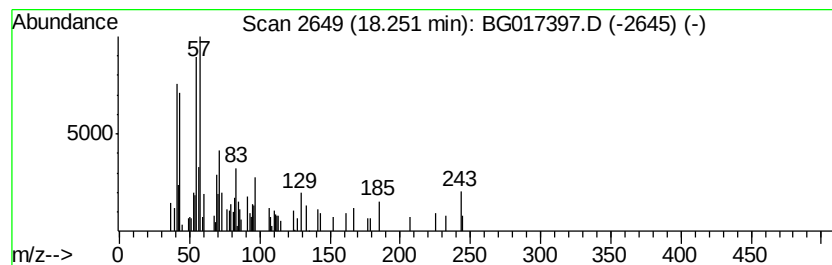
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 6 (DEL) Alkane: Cyclic18.25 Concentration Rank 10

| R.T.  | EstConc    | Area  | Relative to ISTD                    |     | R.T.       |              |      |
|-------|------------|-------|-------------------------------------|-----|------------|--------------|------|
| 18.25 | 2.23 ng/ul | 45774 | Phenanthrene-d10                    |     | 17.05      |              |      |
| Hit#  | of         | 5     | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
| 1     |            |       | 17-Pentatriacontene                 | 491 | C35H70     | 006971-40-0  | 22   |
| 2     |            |       | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 1000283-04-2 | 22   |
| 3     |            |       | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2 | 1000280-07-7 | 22   |
| 4     |            |       | 1-Heptadecanol                      | 256 | C17H36O    | 001454-85-9  | 22   |
| 5     |            |       | 2-Piperidinone, N-[4-bromo-n-but... | 233 | C9H16BrNO  | 195194-80-0  | 16   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
Data File : BG017397.D  
Acq On : 2 Jun 2015 16:28  
Operator : TP/IZ  
Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleID :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

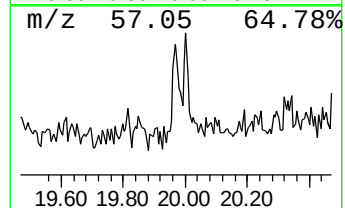
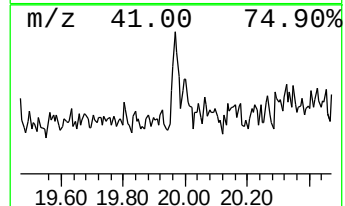
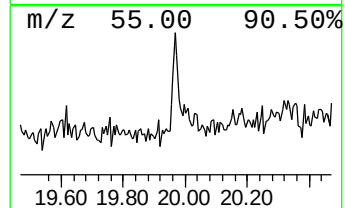
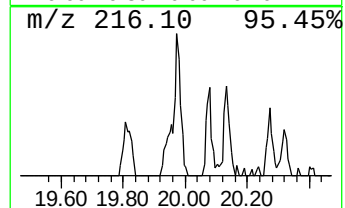
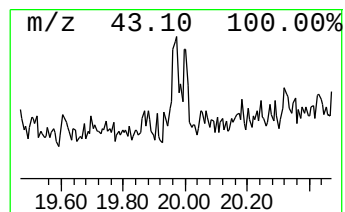
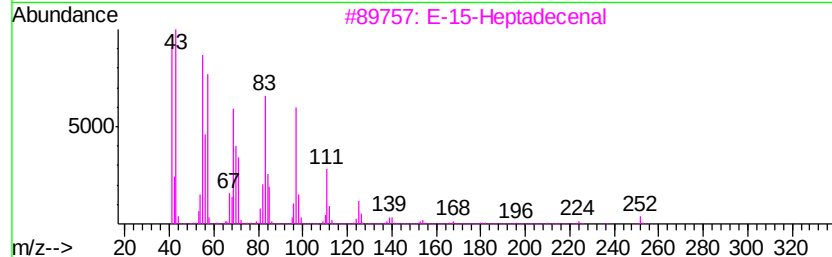
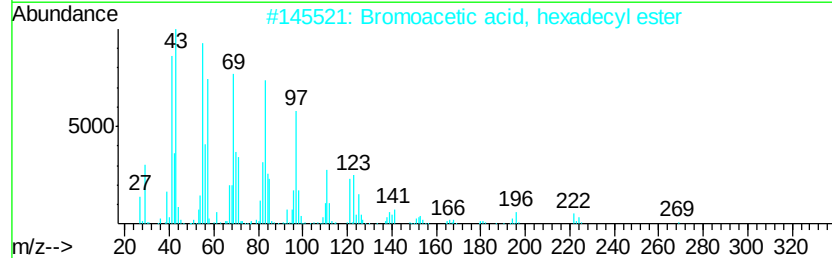
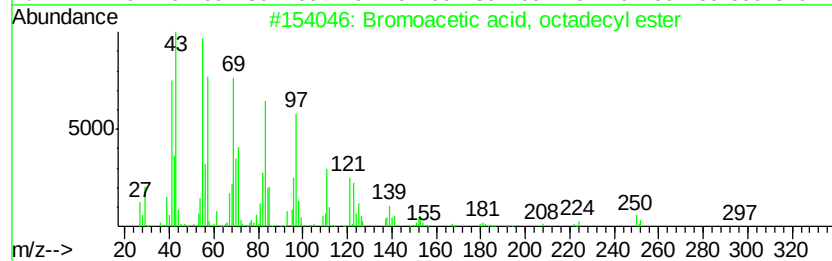
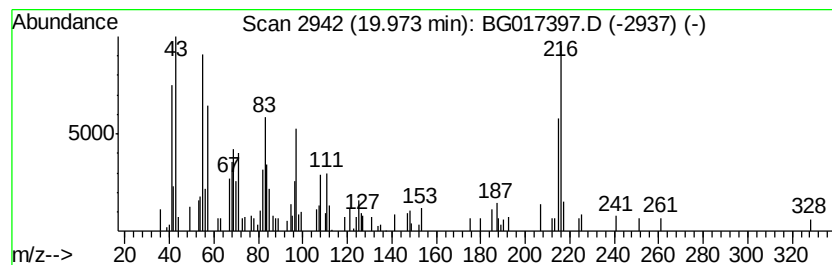
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Bromoacetic acid, octadecyl... Concentration Rank 11

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 19.97 | 2.10 ng/ul | 51175 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                      | MW  | MolForm    | CAS#         | Qual |
|------|----|-----------------------------------|-----|------------|--------------|------|
| 1    | 5  | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5  | 53   |
| 2    |    | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8  | 50   |
| 3    |    | E-15-Heptadecenal                 | 252 | C17H32O    | 1000130-97-9 | 43   |
| 4    |    | E-14-Hexadecenal                  | 238 | C16H30O    | 330207-53-9  | 38   |
| 5    |    | 17-Pentatriacontene               | 491 | C35H70     | 006971-40-0  | 38   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
Data File : BG017397.D  
Acq On : 2 Jun 2015 16:28  
Operator : TP/IZ  
Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

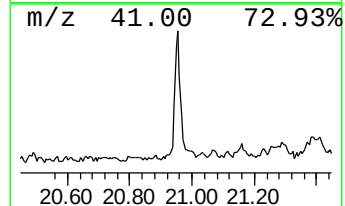
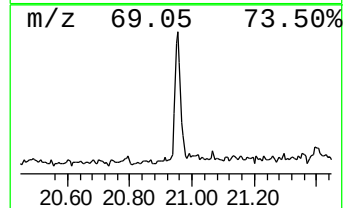
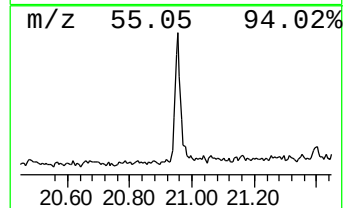
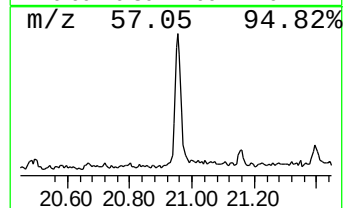
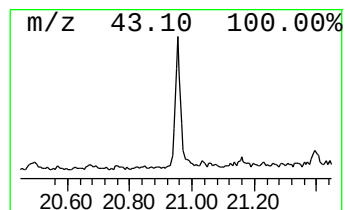
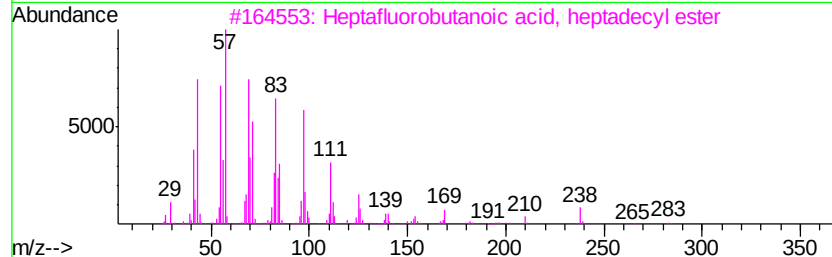
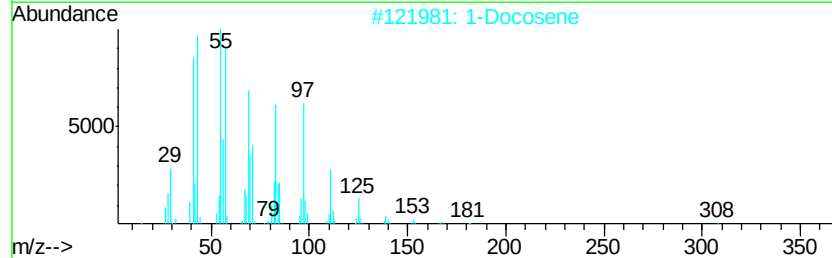
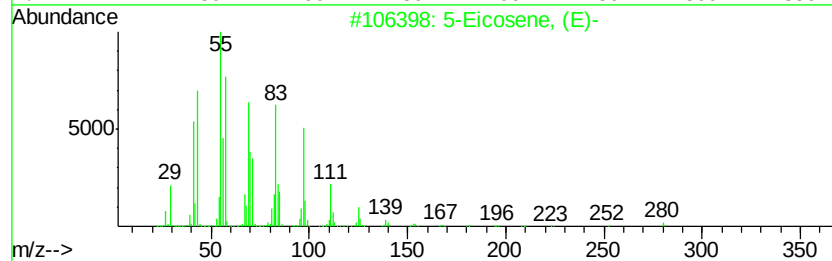
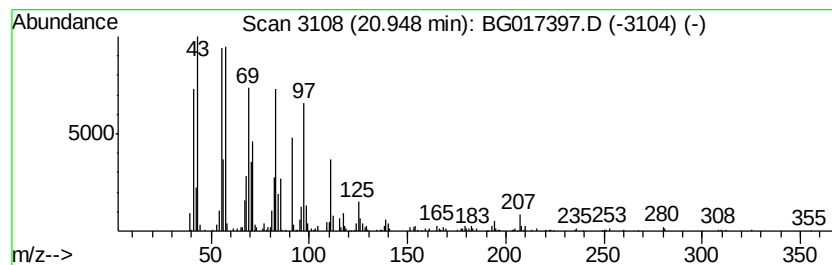
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Cyclic20.95 Concentration Rank 2

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 20.95 | 12.89 ng/ul | 314667 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 5-Eicosene, (E)-                    | 280 | C20H40     | 074685-30-6  | 95   |
| 2    |    | 1-Docosene                          | 308 | C22H44     | 001599-67-3  | 95   |
| 3    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 91   |
| 4    |    | 1-Tricosene                         | 322 | C23H46     | 018835-32-0  | 90   |
| 5    |    | Cyclotetracosane                    | 336 | C24H48     | 000297-03-0  | 90   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
Data File : BG017397.D  
Acq On : 2 Jun 2015 16:28  
Operator : TP/IZ  
Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BCRE8

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

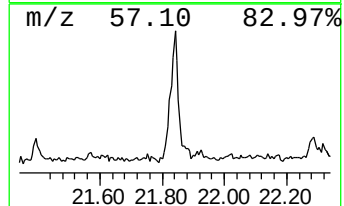
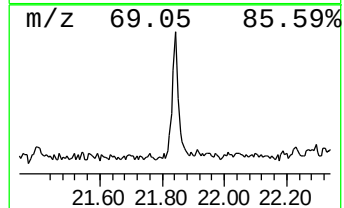
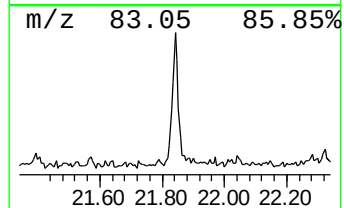
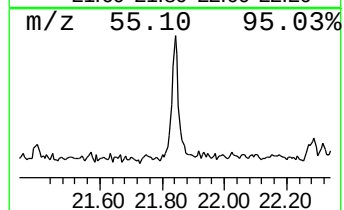
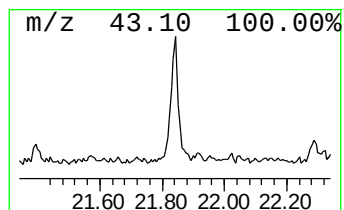
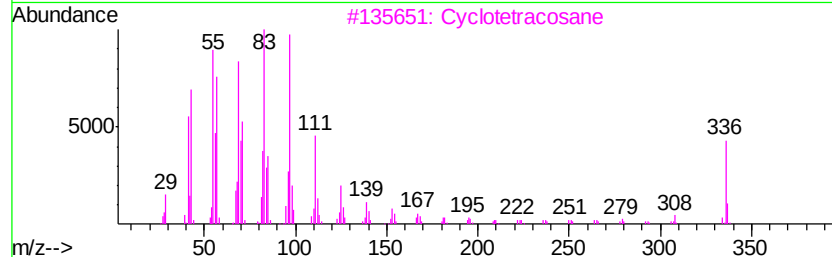
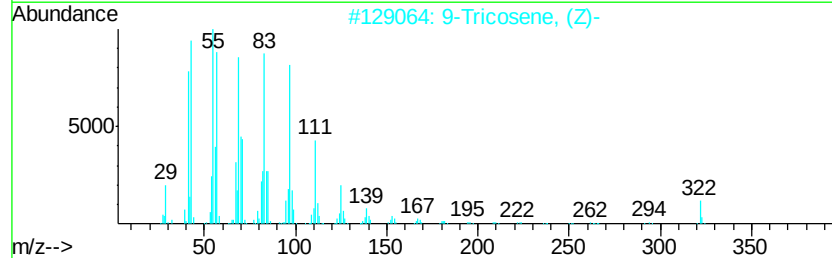
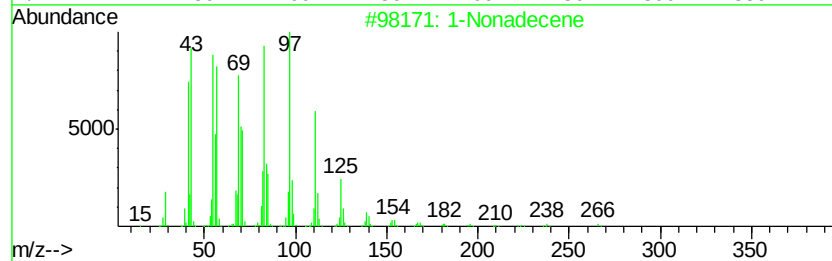
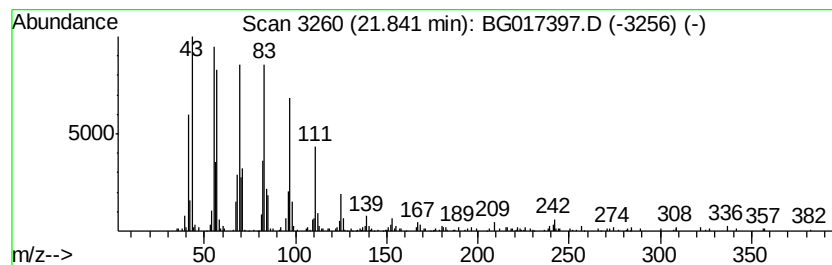
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Cyclic21.84 Concentration Rank 4

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 21.84 | 11.65 ng/ul | 284371 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Nonadecene      | 266 | C19H38  | 018435-45-5 | 95   |
| 2    |    | 9-Tricosene, (Z)- | 322 | C23H46  | 027519-02-4 | 90   |
| 3    |    | Cyclotetracosane  | 336 | C24H48  | 000297-03-0 | 90   |
| 4    |    | 1-Docosene        | 308 | C22H44  | 001599-67-3 | 89   |
| 5    |    | 1-Docosene        | 308 | C22H44  | 001599-67-3 | 89   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
Data File : BG017397.D  
Acq On : 2 Jun 2015 16:28  
Operator : TP/IZ  
Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BCRE8

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

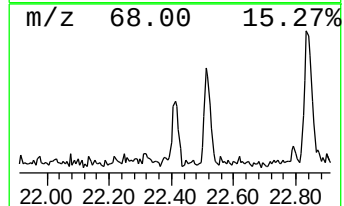
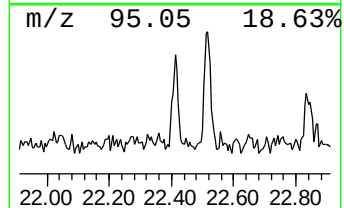
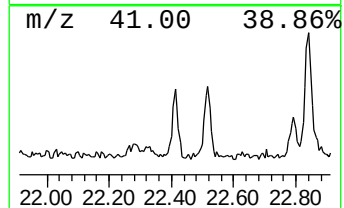
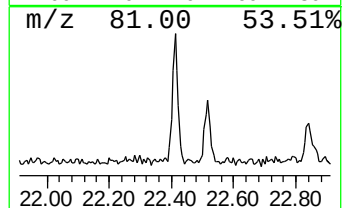
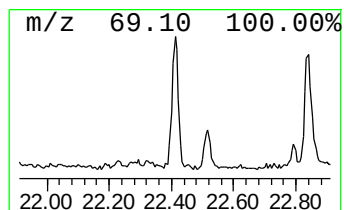
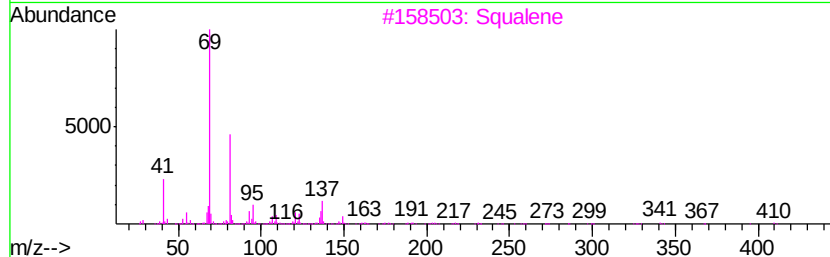
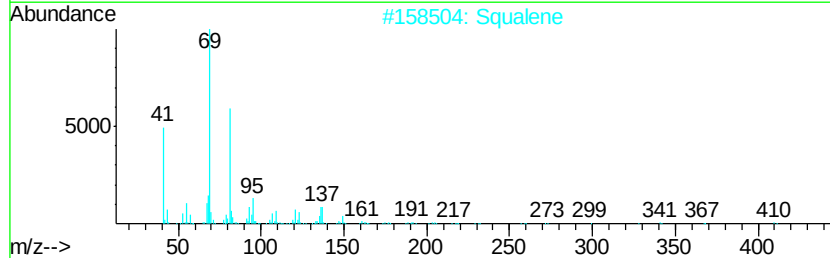
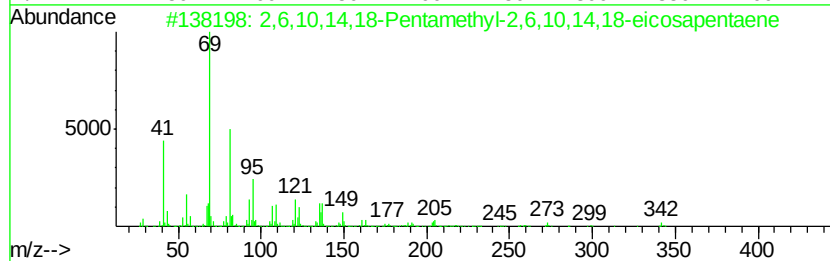
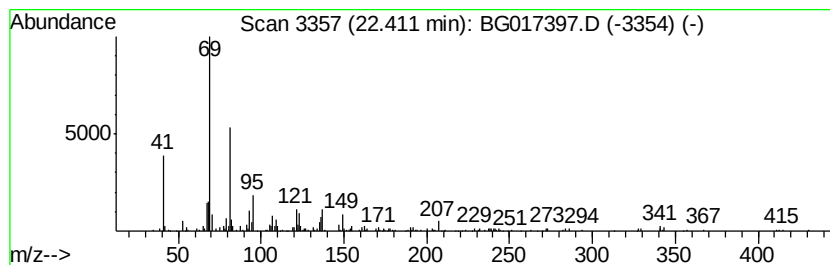
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 2,6,10,14,18-Pentamethyl-2,... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.41 | 6.34 ng/ul | 121086 | Perylene-d12     | 23.48 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2,6,10,14,18-Pentamethyl-2,6,10,... | 342 | C25H42       | 075581-03-2 | 91      |      |      |
| 2    | Squalene                            | 410 | C30H50       | 007683-64-9 | 83      |      |      |
| 3    | Squalene                            | 410 | C30H50       | 007683-64-9 | 80      |      |      |
| 4    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24       | 062951-96-6 | 76      |      |      |
| 5    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50       | 000111-02-4 | 64      |      |      |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
Data File : BG017397.D  
Acq On : 2 Jun 2015 16:28  
Operator : TP/IZ  
Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BCRE8

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

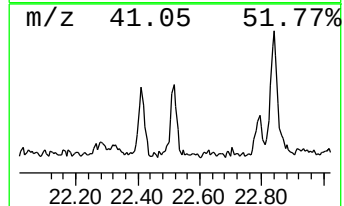
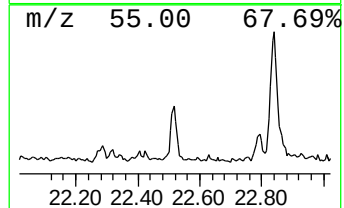
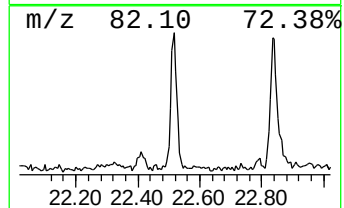
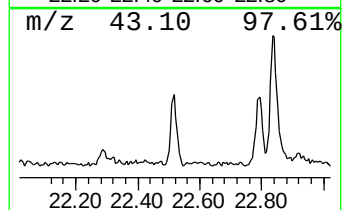
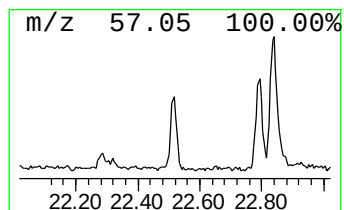
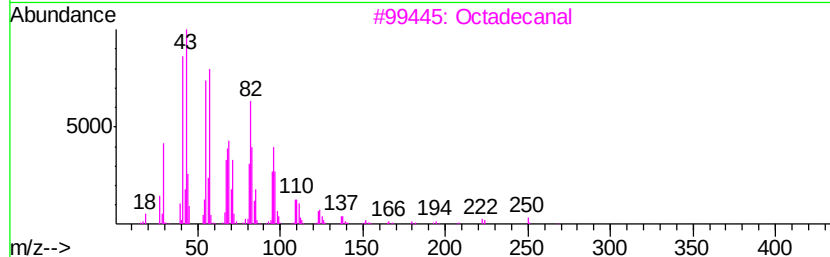
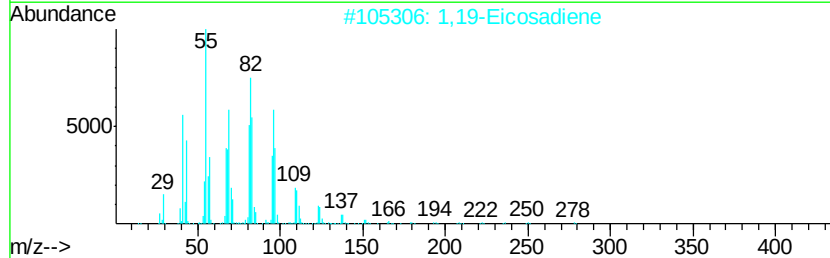
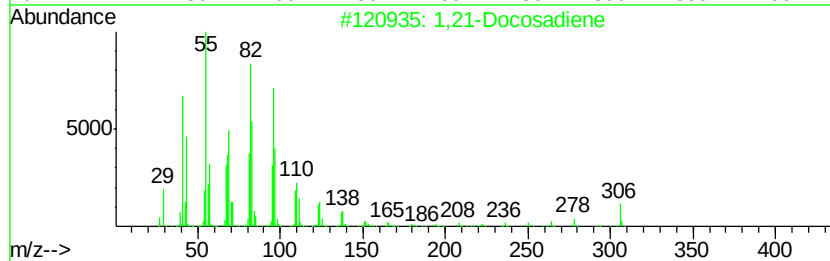
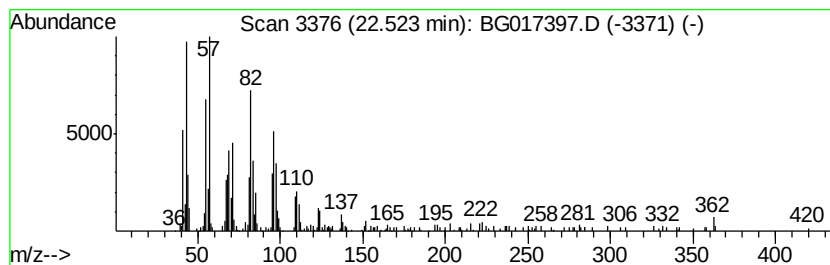
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 1,21-Docosadiene Concentration Rank 5

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 22.52 | 10.75 ng/ul | 205260 | Perylene-d12     | 23.48 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | 1,21-Docosadiene     | 306 | C22H42  | 053057-53-7 | 97   |
| 2    |    | 1,19-Eicosadiene     | 278 | C20H38  | 014811-95-1 | 95   |
| 3    |    | Octadecanal          | 268 | C18H36O | 000638-66-4 | 93   |
| 4    |    | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 93   |
| 5    |    | Oxirane, hexadecyl-  | 268 | C18H36O | 007390-81-0 | 91   |





Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
Data File : BG017397.D  
Acq On : 2 Jun 2015 16:28  
Operator : TP/IZ  
Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

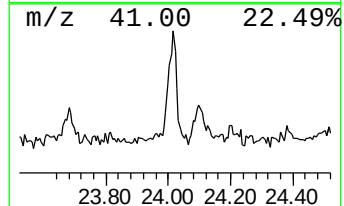
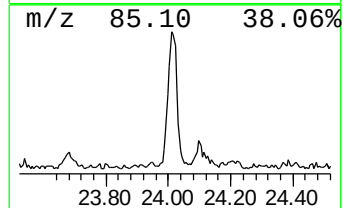
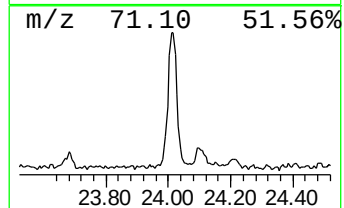
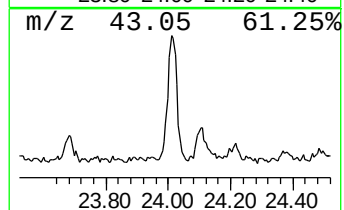
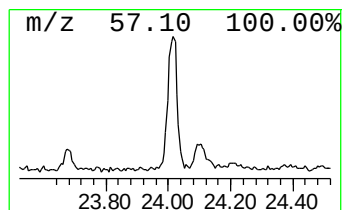
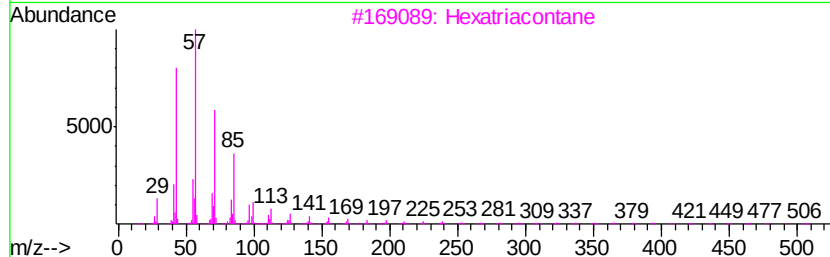
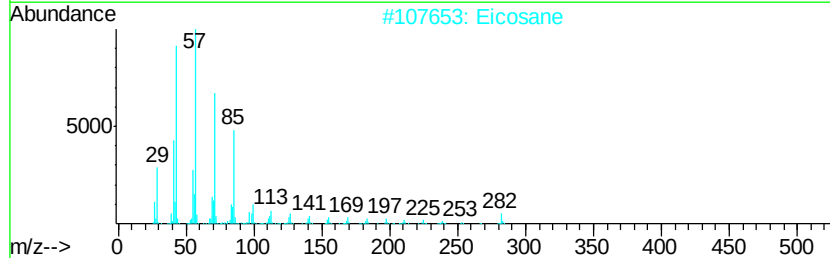
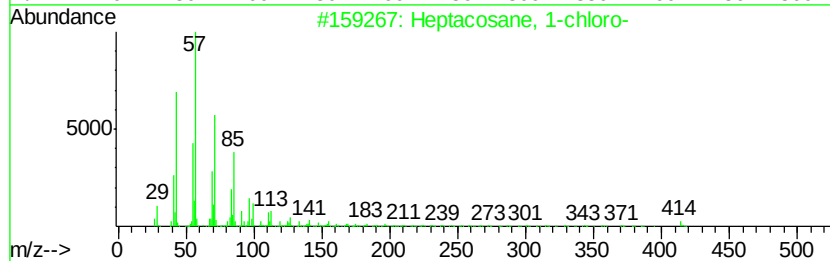
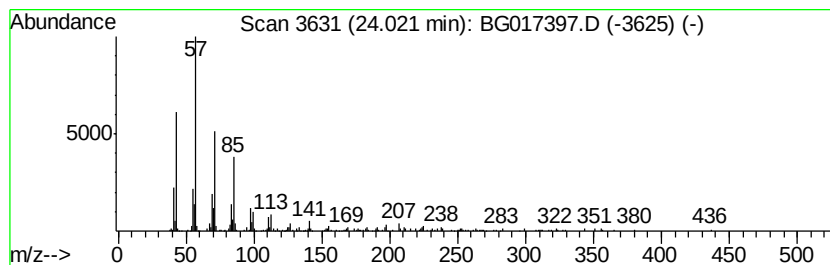
Instrument :  
BNA\_G  
ClientSampleId :  
BCRE8

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 12 Heptacosane, 1-chloro- Concentration Rank 1

| R.T.    | EstConc                | Area         | Relative to ISTD | R.T.      |
|---------|------------------------|--------------|------------------|-----------|
| 24.02   | 15.59 ng/ul            | 297750       | Perylene-d12     | 23.48     |
| Hit# of | 5                      | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heptacosane, 1-chloro- | 414 C27H55Cl | 062016-79-9      | 91        |
| 2       | Eicosane               | 282 C20H42   | 000112-95-8      | 87        |
| 3       | Hexatriacontane        | 507 C36H74   | 000630-06-8      | 87        |
| 4       | Tetracosane            | 338 C24H50   | 000646-31-1      | 87        |
| 5       | Eicosane               | 282 C20H42   | 000112-95-8      | 87        |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060215\  
Data File : BG017397.D  
Acq On : 2 Jun 2015 16:28  
Operator : TP/IZ  
Sample : G2430-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BCRE8

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG052915.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 |
| unknown-01           | 8.74  | 2.5     | ng/ul | 23265    | 1                     | 7.63  | 182835 | 20.0 |
| Propanoic acid, 2... | 12.90 | 2.9     | ng/ul | 50210    | 3                     | 14.30 | 349004 | 20.0 |
| Dodecanoic acid      | 16.96 | 2.0     | ng/ul | 41456    | 4                     | 17.05 | 410705 | 20.0 |
| Hexadecenoic acid... | 17.90 | 7.0     | ng/ul | 143176   | 4                     | 17.05 | 410705 | 20.0 |
| n-Hexadecanoic acid  | 17.96 | 12.1    | ng/ul | 248608   | 4                     | 17.05 | 410705 | 20.0 |
| (DEL) Alkane: Cyc... | 18.25 | 2.2     | ng/ul | 45774    | 4                     | 17.05 | 410705 | 20.0 |
| Bromoacetic acid,... | 19.97 | 2.1     | ng/ul | 51175    | 5                     | 21.24 | 488389 | 20.0 |
| (DEL) Alkane: Cyc... | 20.95 | 12.9    | ng/ul | 314667   | 5                     | 21.24 | 488389 | 20.0 |
| (DEL) Alkane: Cyc... | 21.84 | 11.7    | ng/ul | 284371   | 5                     | 21.24 | 488389 | 20.0 |
| 2,6,10,14,18-Pent... | 22.41 | 6.3     | ng/ul | 121086   | 6                     | 23.48 | 382058 | 20.0 |
| 1,21-Docosadiene     | 22.52 | 10.8    | ng/ul | 205260   | 6                     | 23.48 | 382058 | 20.0 |
| Heptacosane, 1-ch... | 24.02 | 15.6    | ng/ul | 297750   | 6                     | 23.48 | 382058 | 20.0 |