

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM020816\  
 Data File : BM004201.D  
 Acq On : 08 Feb 2016 15:47  
 Operator : SJ/IZ  
 Sample : H1340-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C04H0

## 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\_M\METHODS\SOM02.2-EPA-BM012016.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         | 3.122       | 3             | 6           | 9            | rVB2     | 2475           | 3216          | 0.53%           | 0.044%        |
| 2         | 3.546       | 73            | 78          | 81           | rBB      | 1793           | 2468          | 0.41%           | 0.034%        |
| 3         | 3.640       | 91            | 94          | 100          | rBB      | 10315          | 12096         | 1.99%           | 0.164%        |
| 4         | 3.716       | 104           | 107         | 109          | rBB      | 1026           | 985           | 0.16%           | 0.013%        |
| 5         | 4.081       | 165           | 169         | 182          | rBV      | 26656          | 39157         | 6.43%           | 0.532%        |
| 6         | 4.310       | 203           | 208         | 210          | rBV      | 477            | 984           | 0.16%           | 0.013%        |
| 7         | 4.493       | 235           | 239         | 247          | rBV2     | 19116          | 27767         | 4.56%           | 0.377%        |
| 8         | 4.763       | 282           | 285         | 289          | rBB      | 797            | 1198          | 0.20%           | 0.016%        |
| 9         | 4.863       | 299           | 302         | 306          | rBB      | 1819           | 2414          | 0.40%           | 0.033%        |
| 10        | 6.063       | 503           | 506         | 508          | rBB      | 979            | 1069          | 0.18%           | 0.015%        |
| 11        | 6.834       | 632           | 637         | 647          | rBB      | 64517          | 101007        | 16.59%          | 1.373%        |
| 12        | 6.993       | 659           | 664         | 672          | rBB      | 52415          | 78503         | 12.89%          | 1.067%        |
| 13        | 7.193       | 692           | 698         | 705          | rBB      | 68058          | 106504        | 17.49%          | 1.448%        |
| 14        | 7.657       | 771           | 777         | 783          | rBB      | 81069          | 123711        | 20.31%          | 1.682%        |
| 15        | 8.369       | 893           | 898         | 906          | rBB      | 56063          | 85563         | 14.05%          | 1.163%        |
| 16        | 8.816       | 968           | 974         | 981          | rBB      | 64867          | 103041        | 16.92%          | 1.401%        |
| 17        | 8.951       | 995           | 997         | 1003         | rBB      | 1183           | 2032          | 0.33%           | 0.028%        |
| 18        | 9.534       | 1091          | 1096        | 1102         | rBB      | 53908          | 82048         | 13.47%          | 1.115%        |
| 19        | 10.075      | 1182          | 1188        | 1198         | rBB      | 87041          | 141109        | 23.17%          | 1.918%        |
| 20        | 10.445      | 1244          | 1251        | 1258         | rBB      | 131684         | 210739        | 34.60%          | 2.865%        |
| 21        | 10.586      | 1270          | 1275        | 1290         | rBV      | 54275          | 91981         | 15.10%          | 1.250%        |
| 22        | 12.045      | 1520          | 1523        | 1525         | rBB      | 825            | 835           | 0.14%           | 0.011%        |
| 23        | 13.127      | 1705          | 1707        | 1710         | rBB      | 1862           | 1834          | 0.30%           | 0.025%        |
| 24        | 13.722      | 1803          | 1808        | 1813         | rBV      | 176088         | 249323        | 40.94%          | 3.389%        |
| 25        | 13.769      | 1813          | 1816        | 1822         | rVB      | 77015          | 102025        | 16.75%          | 1.387%        |
| 26        | 14.004      | 1850          | 1856        | 1864         | rBV      | 214436         | 304174        | 49.95%          | 4.135%        |
| 27        | 14.210      | 1888          | 1891        | 1895         | rBB      | 10317          | 12224         | 2.01%           | 0.166%        |
| 28        | 14.316      | 1903          | 1909        | 1915         | rBB2     | 206831         | 307521        | 50.49%          | 4.181%        |
| 29        | 14.539      | 1942          | 1947        | 1959         | rBB      | 46587          | 76309         | 12.53%          | 1.037%        |
| 30        | 14.657      | 1965          | 1967        | 1970         | rBV      | 1154           | 1123          | 0.18%           | 0.015%        |
| 31        | 14.716      | 1975          | 1977        | 1979         | rBB      | 1067           | 721           | 0.12%           | 0.010%        |
| 32        | 14.833      | 1994          | 1997        | 1999         | rBB      | 2010           | 1890          | 0.31%           | 0.026%        |
| 33        | 15.116      | 2042          | 2045        | 2049         | rBB      | 1618           | 1850          | 0.30%           | 0.025%        |
| 34        | 15.168      | 2050          | 2054        | 2058         | rBB      | 16694          | 18309         | 3.01%           | 0.249%        |

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Integrator: RTE  
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 Sampling : 1  
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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\_M\METHODS\SOM02.2-EPA-BM012016.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 15.310 | 2073 | 2078 | 2085 | rBB  | 284319 | 403096 | 66.19% | 5.480% |
| 36 | 15.451 | 2097 | 2102 | 2107 | rBB  | 58315  | 75349  | 12.37% | 1.024% |
| 37 | 15.557 | 2116 | 2120 | 2121 | rBV2 | 3324   | 3978   | 0.65%  | 0.054% |
| 38 | 15.574 | 2121 | 2123 | 2127 | rVB  | 3512   | 4078   | 0.67%  | 0.055% |
| 39 | 15.668 | 2137 | 2139 | 2141 | rBB  | 1164   | 901    | 0.15%  | 0.012% |
| 40 | 15.727 | 2146 | 2149 | 2151 | rBB  | 1277   | 1260   | 0.21%  | 0.017% |
| 41 | 15.786 | 2157 | 2159 | 2162 | rBB  | 1131   | 1051   | 0.17%  | 0.014% |
| 42 | 15.863 | 2171 | 2172 | 2174 | rBB  | 1002   | 700    | 0.11%  | 0.010% |
| 43 | 16.033 | 2197 | 2201 | 2211 | rBB  | 16459  | 25623  | 4.21%  | 0.348% |
| 44 | 16.374 | 2256 | 2259 | 2263 | rBV  | 1699   | 2241   | 0.37%  | 0.030% |
| 45 | 16.439 | 2267 | 2270 | 2272 | rBB  | 713    | 615    | 0.10%  | 0.008% |
| 46 | 16.539 | 2285 | 2287 | 2289 | rBB  | 762    | 627    | 0.10%  | 0.009% |
| 47 | 16.610 | 2296 | 2299 | 2302 | rBB  | 1679   | 1592   | 0.26%  | 0.022% |
| 48 | 16.821 | 2332 | 2335 | 2339 | rBV  | 8950   | 10977  | 1.80%  | 0.149% |
| 49 | 16.874 | 2339 | 2344 | 2348 | rVB2 | 2186   | 3294   | 0.54%  | 0.045% |
| 50 | 17.068 | 2371 | 2377 | 2382 | rBV2 | 280077 | 389622 | 63.98% | 5.297% |
| 51 | 17.110 | 2382 | 2384 | 2388 | rVV  | 6468   | 7054   | 1.16%  | 0.096% |
| 52 | 17.168 | 2388 | 2394 | 2402 | rVB  | 309443 | 442173 | 72.60% | 6.011% |
| 53 | 17.562 | 2458 | 2461 | 2464 | rBB  | 4319   | 4711   | 0.77%  | 0.064% |
| 54 | 17.968 | 2524 | 2530 | 2539 | rBB2 | 30637  | 42808  | 7.03%  | 0.582% |
| 55 | 18.033 | 2539 | 2541 | 2544 | rBB  | 758    | 815    | 0.13%  | 0.011% |
| 56 | 18.139 | 2556 | 2559 | 2562 | rBB2 | 1292   | 1647   | 0.27%  | 0.022% |
| 57 | 18.257 | 2577 | 2579 | 2581 | rBB  | 1205   | 929    | 0.15%  | 0.013% |
| 58 | 18.609 | 2627 | 2639 | 2640 | rBV2 | 3995   | 9217   | 1.51%  | 0.125% |
| 59 | 18.704 | 2651 | 2655 | 2656 | rBV3 | 1049   | 1327   | 0.22%  | 0.018% |
| 60 | 18.786 | 2656 | 2669 | 2671 | rBV4 | 6509   | 19377  | 3.18%  | 0.263% |
| 61 | 18.921 | 2681 | 2692 | 2693 | rBV6 | 8645   | 25764  | 4.23%  | 0.350% |
| 62 | 19.133 | 2725 | 2728 | 2746 | rVB  | 34087  | 72053  | 11.83% | 0.980% |
| 63 | 19.256 | 2746 | 2749 | 2752 | rBV  | 6605   | 7792   | 1.28%  | 0.106% |
| 64 | 19.356 | 2763 | 2766 | 2772 | rVB  | 1730   | 2988   | 0.49%  | 0.041% |
| 65 | 19.474 | 2780 | 2786 | 2797 | rVB  | 430562 | 596922 | 98.01% | 8.115% |
| 66 | 19.580 | 2799 | 2804 | 2805 | rBV2 | 832    | 1233   | 0.20%  | 0.017% |
| 67 | 19.692 | 2816 | 2823 | 2824 | rBV  | 4137   | 6798   | 1.12%  | 0.092% |
| 68 | 19.756 | 2824 | 2834 | 2835 | rBV2 | 13326  | 30604  | 5.03%  | 0.416% |
| 69 | 19.839 | 2844 | 2848 | 2849 | rBV3 | 7950   | 10961  | 1.80%  | 0.149% |
| 70 | 20.015 | 2872 | 2878 | 2885 | rVB6 | 5047   | 13126  | 2.16%  | 0.178% |
| 71 | 20.103 | 2891 | 2893 | 2894 | rBV  | 2257   | 1722   | 0.28%  | 0.023% |

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|----|--------|------|------|------|------|--------|--------|---------|--------|
| 72 | 20.162 | 2898 | 2903 | 2904 | rBV4 | 11204  | 15797  | 2.59%   | 0.215% |
| 73 | 20.303 | 2923 | 2927 | 2928 | rBV2 | 4677   | 5986   | 0.98%   | 0.081% |
| 74 | 20.515 | 2958 | 2963 | 2965 | rBV3 | 7055   | 10646  | 1.75%   | 0.145% |
| 75 | 20.633 | 2980 | 2983 | 2987 | rVB2 | 6491   | 7403   | 1.22%   | 0.101% |
| 76 | 20.986 | 3036 | 3043 | 3051 | rBV4 | 62657  | 110530 | 18.15%  | 1.503% |
| 77 | 21.056 | 3051 | 3055 | 3060 | rVV5 | 4237   | 9344   | 1.53%   | 0.127% |
| 78 | 21.162 | 3072 | 3073 | 3074 | rBV  | 2875   | 1224   | 0.20%   | 0.017% |
| 79 | 21.186 | 3074 | 3077 | 3082 | rVB  | 10238  | 12747  | 2.09%   | 0.173% |
| 80 | 21.274 | 3086 | 3092 | 3097 | rVV  | 433621 | 560819 | 92.09%  | 7.624% |
| 81 | 21.309 | 3097 | 3098 | 3103 | rVB  | 15524  | 13927  | 2.29%   | 0.189% |
| 82 | 21.715 | 3163 | 3167 | 3169 | rBV6 | 3240   | 4431   | 0.73%   | 0.060% |
| 83 | 21.856 | 3182 | 3191 | 3193 | rBV4 | 35132  | 70959  | 11.65%  | 0.965% |
| 84 | 21.921 | 3199 | 3202 | 3211 | rVB  | 37265  | 84084  | 13.81%  | 1.143% |
| 85 | 22.068 | 3218 | 3227 | 3244 | rVB  | 61166  | 267742 | 43.96%  | 3.640% |
| 86 | 22.315 | 3265 | 3269 | 3270 | rBV2 | 21483  | 26403  | 4.34%   | 0.359% |
| 87 | 22.815 | 3349 | 3354 | 3360 | rBV2 | 57174  | 103219 | 16.95%  | 1.403% |
| 88 | 23.368 | 3441 | 3448 | 3455 | rBV  | 343943 | 609014 | 100.00% | 8.279% |
| 89 | 23.509 | 3465 | 3472 | 3479 | rBV  | 289774 | 525181 | 86.23%  | 7.140% |
| 90 | 23.686 | 3500 | 3502 | 3510 | rVB7 | 15799  | 23860  | 3.92%   | 0.324% |
| 91 | 24.009 | 3552 | 3557 | 3564 | rVB  | 48353  | 91512  | 15.03%  | 1.244% |
| 92 | 24.103 | 3569 | 3573 | 3579 | rBV5 | 11354  | 24548  | 4.03%   | 0.334% |
| 93 | 25.197 | 3752 | 3759 | 3768 | rVB4 | 35353  | 84452  | 13.87%  | 1.148% |
| 94 | 25.609 | 3823 | 3829 | 3837 | rVB2 | 20456  | 44938  | 7.38%   | 0.611% |
| 95 | 25.762 | 3849 | 3855 | 3862 | rBV7 | 9790   | 25297  | 4.15%   | 0.344% |
| 96 | 25.909 | 3875 | 3880 | 3881 | rBV5 | 8179   | 13179  | 2.16%   | 0.179% |
| 97 | 26.527 | 3980 | 3985 | 3994 | rBV8 | 9118   | 25754  | 4.23%   | 0.350% |
| 98 | 28.079 | 4240 | 4249 | 4260 | rVB8 | 15830  | 62047  | 10.19%  | 0.844% |

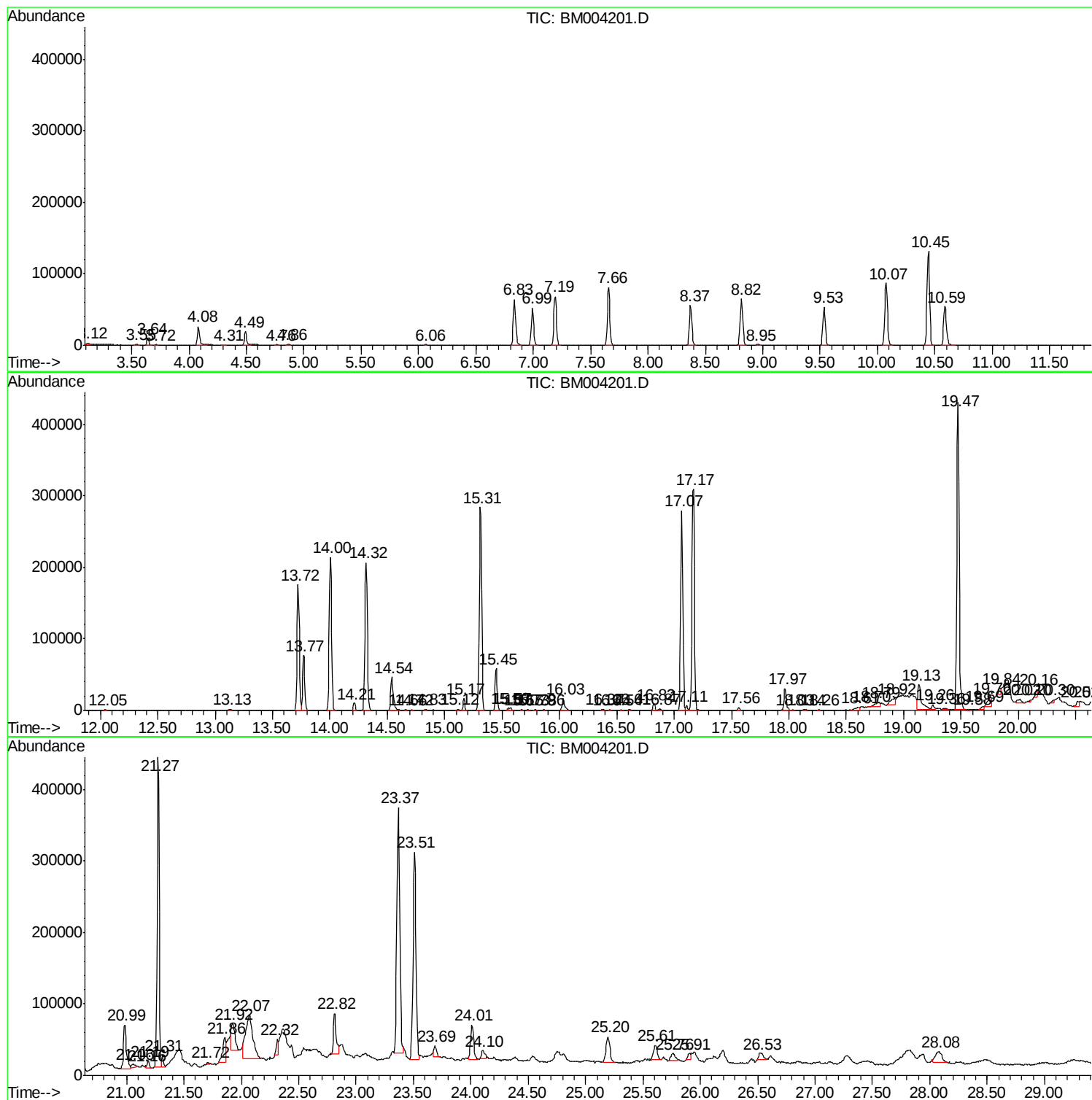
Sum of corrected areas: 7355798

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM012016.M  
Quant Title : SVOA CALIBRATION

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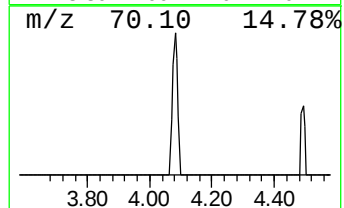
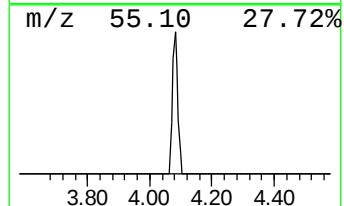
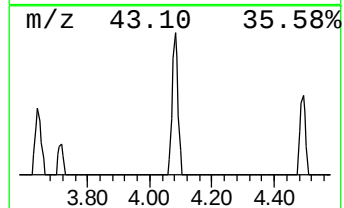
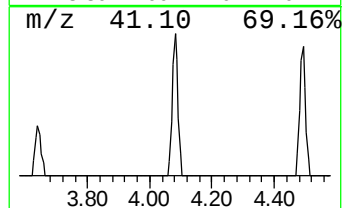
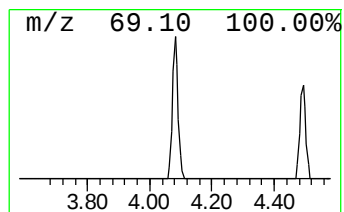
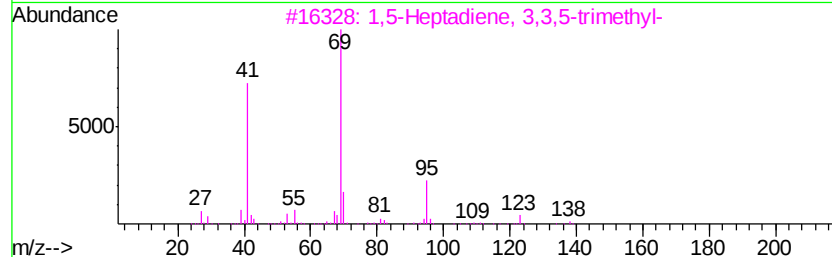
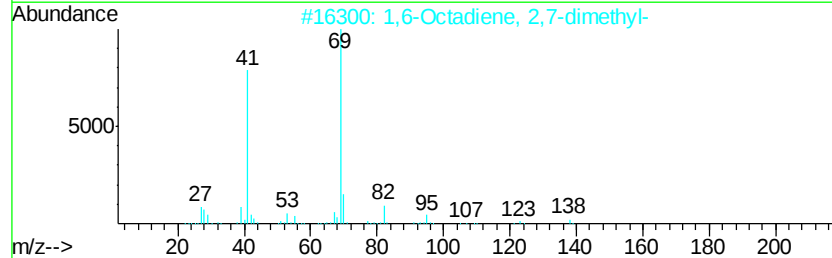
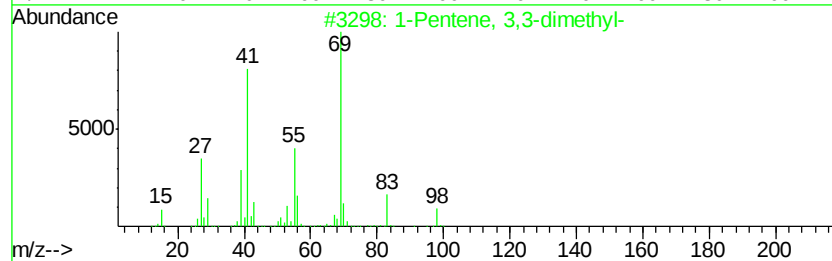
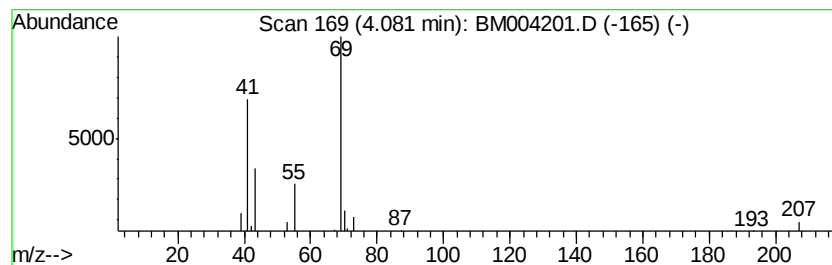
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Cyclic4.08 Concentration Rank 2

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 4.08 | 6.33 ng/ul | 39157 | 1,4-Dichlorobenzene-d4 | 7.66 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Pentene, 3,3-dimethyl-            | 98  | C7H14   | 003404-73-7 | 59   |
| 2    |    |   | 1,6-Octadiene, 2,7-dimethyl-        | 138 | C10H18  | 040195-09-3 | 38   |
| 3    |    |   | 1,5-Heptadiene, 3,3,5-trimethyl-    | 138 | C10H18  | 074630-29-8 | 38   |
| 4    |    |   | 1,5-Heptadiene, 2,3,6-trimethyl-    | 138 | C10H18  | 033501-88-1 | 9    |
| 5    |    |   | 1,6-Octadiene, 3,5-dimethyl-, tr... | 138 | C10H18  | 074630-87-8 | 9    |



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Quant Title : SVOA CALIBRATION

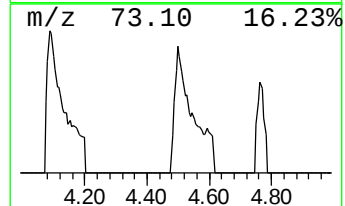
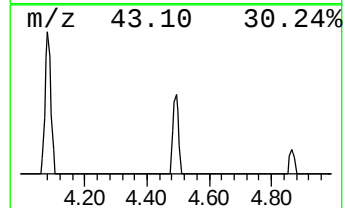
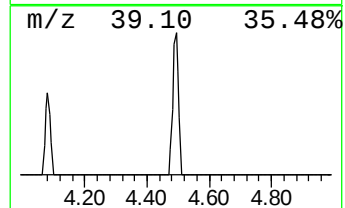
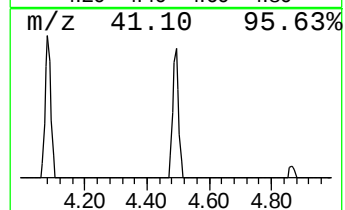
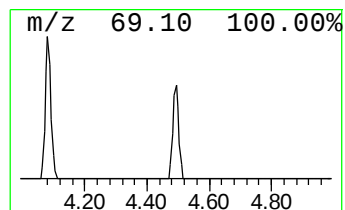
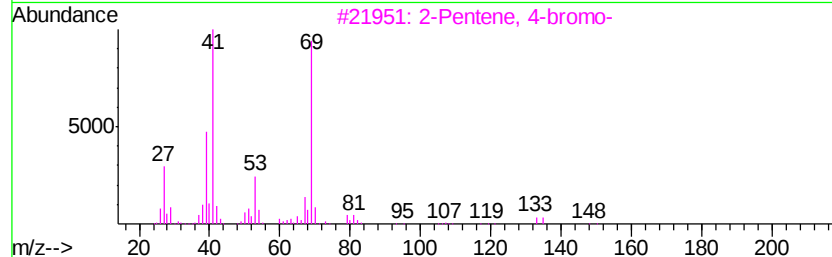
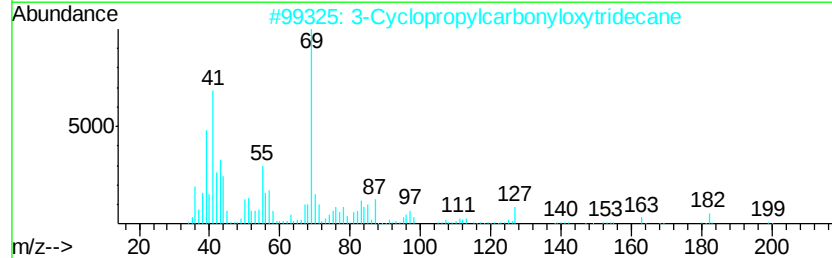
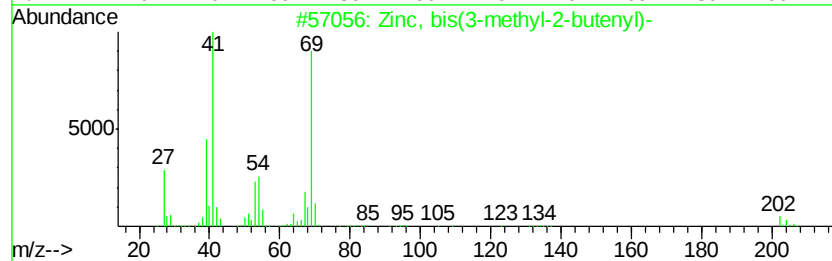
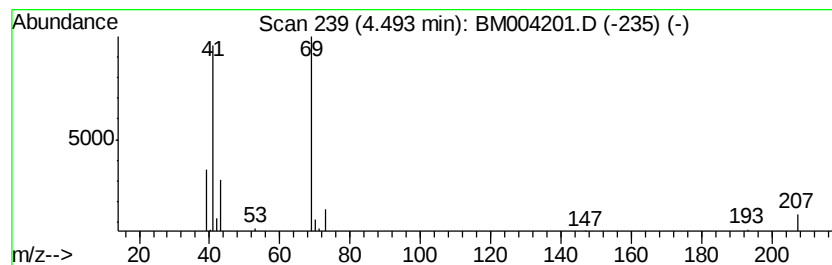
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown-01 Concentration Rank 3

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 4.49 | 4.49 ng/ul | 27767 | 1,4-Dichlorobenzene-d4 | 7.66 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Zinc, bis(3-methyl-2-butenyl)-      | 202 | C10H18Zn   | 066094-28-8  | 39   |
| 2    |    |   | 3-Cyclopropylcarbonyloxytridecane   | 268 | C17H32O2   | 1000245-58-4 | 9    |
| 3    |    |   | 2-Pentene, 4-bromo-                 | 148 | C5H9Br     | 001809-26-3  | 9    |
| 4    |    |   | 4-Trifluoroacetoxyoctane            | 226 | C10H17F3O2 | 116465-17-9  | 9    |
| 5    |    |   | Cyclopropane carboxamide, 2-cycl... | 207 | C13H21NO   | 331416-19-4  | 7    |



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Sample : H1340-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C04H0

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM012016.M  
Quant Title : SVOA CALIBRATION

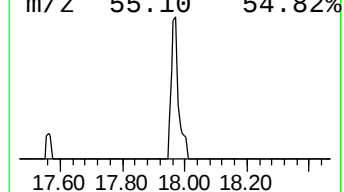
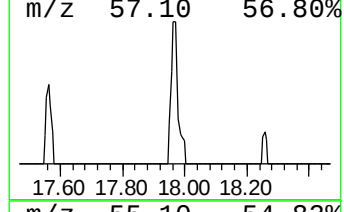
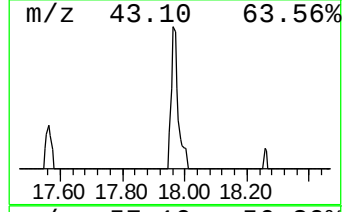
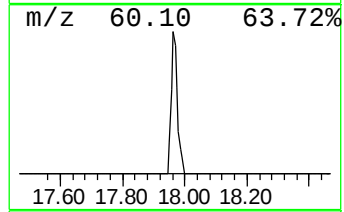
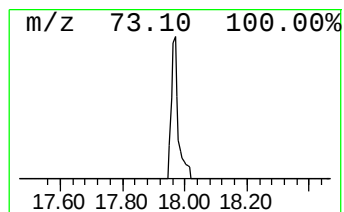
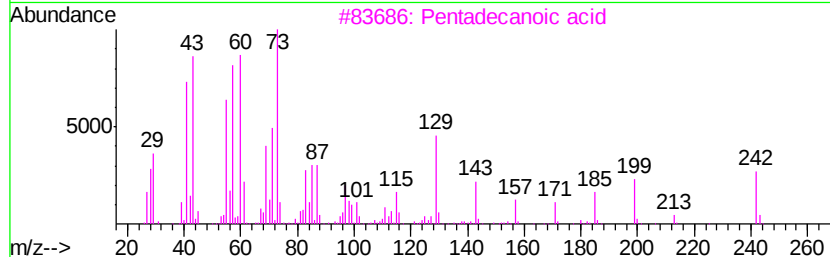
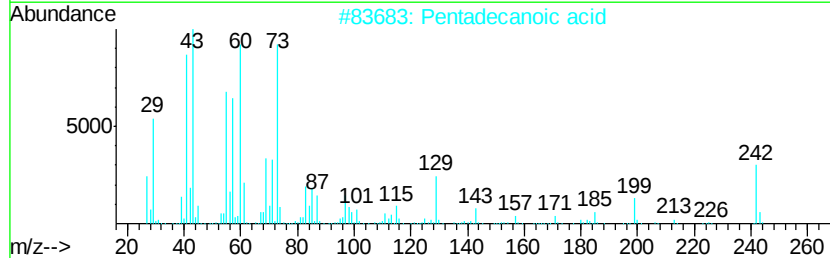
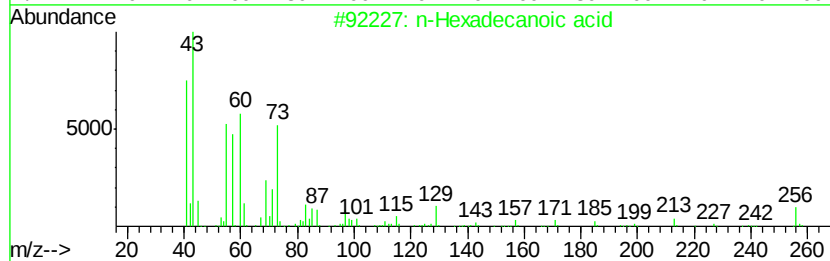
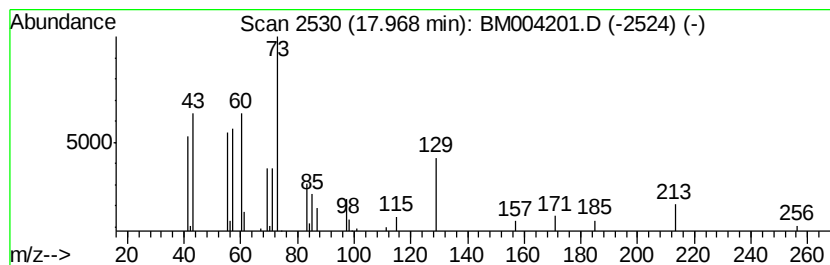
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 n-Hexadecanoic acid Concentration Rank 10

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 17.97 | 2.20 ng/ul | 42808 | Phenanthrene-d10 | 17.07 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 59   |
| 3    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 58   |
| 4    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 53   |
| 5    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 53   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM020816\  
Data File : BM004201.D  
Acq On : 08 Feb 2016 15:47  
Operator : SJ/IZ  
Sample : H1340-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

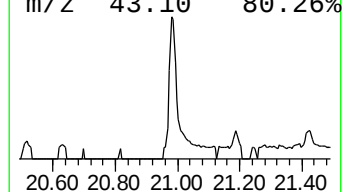
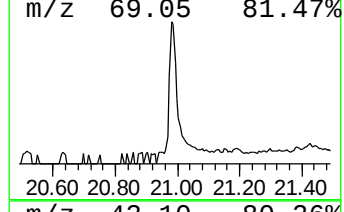
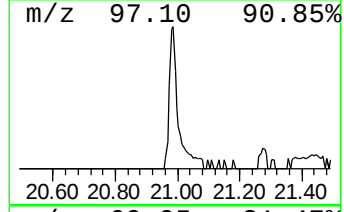
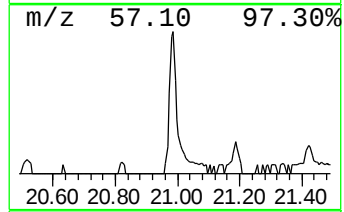
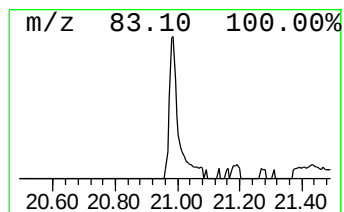
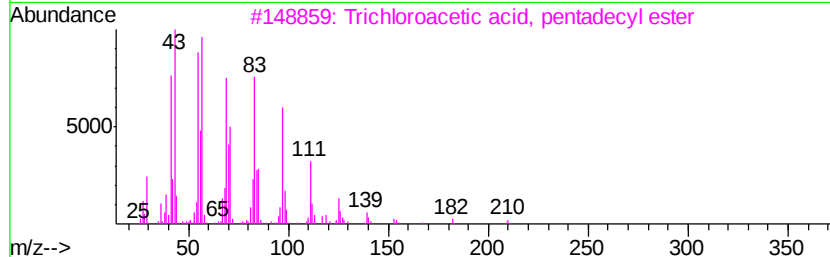
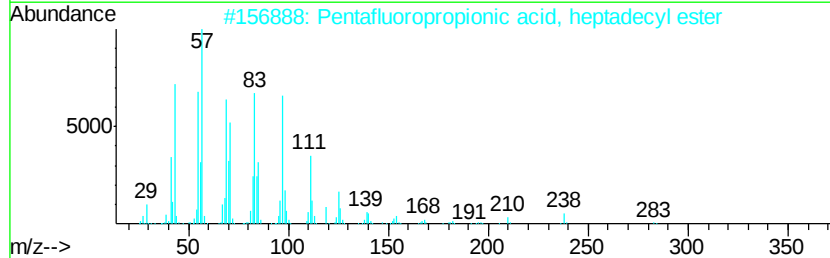
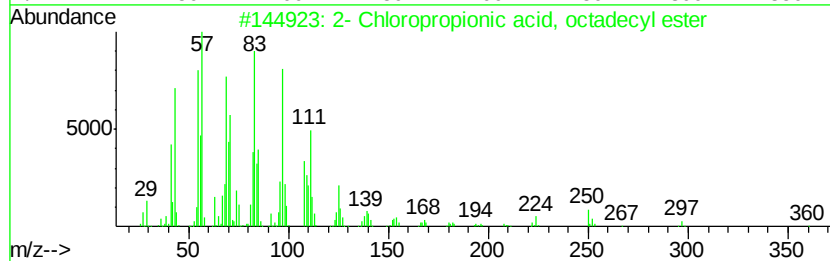
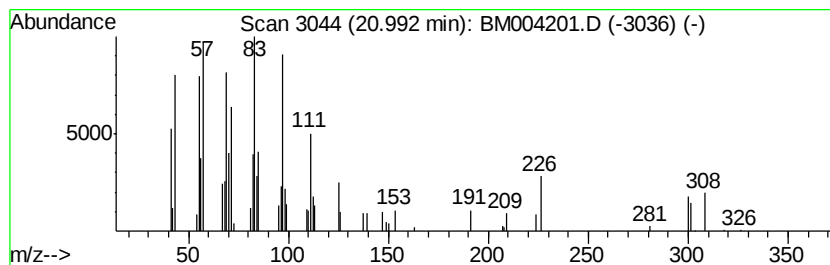
Instrument :  
BNA\_M  
ClientSampleId :  
C04H0

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM012016.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 2- Chloropropionic acid, oc... Concentration Rank 4

| R.T.    | EstConc                             | Area                             | Relative to ISTD | R.T.         |             |      |
|---------|-------------------------------------|----------------------------------|------------------|--------------|-------------|------|
| 20.99   | 3.94 ng/ul                          | 110530                           | Chrysene-d12     | 21.27        |             |      |
| Hit# of | 5                                   | Tentative ID                     | MW               | MolForm      | CAS#        | Qual |
| 1       | 2-                                  | Chloropropionic acid, octadec... | 360              | C21H41ClO2   | 088104-31-8 | 94   |
| 2       | Pentafluoropropionic acid, hepta... | 402                              | C20H35F5O2       | 1000283-04-2 | 92          |      |
| 3       | Trichloroacetic acid, pentadecyl... | 372                              | C17H31Cl3O2      | 074339-53-0  | 90          |      |
| 4       | Heptafluorobutyric acid, n-octad... | 466                              | C22H37F7O2       | 000400-57-7  | 90          |      |
| 5       | Dichloroacetic acid, heptadecyl ... | 366                              | C19H36Cl2O2      | 1000282-98-2 | 90          |      |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM020816\  
Data File : BM004201.D  
Acq On : 08 Feb 2016 15:47  
Operator : SJ/IZ  
Sample : H1340-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C04H0

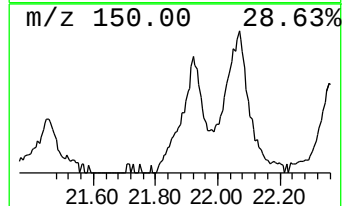
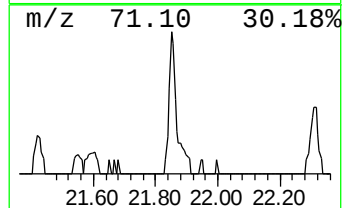
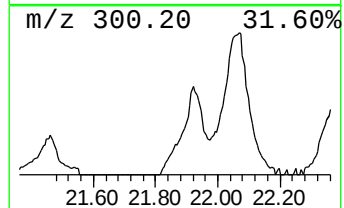
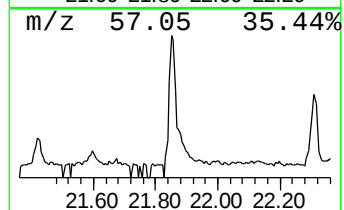
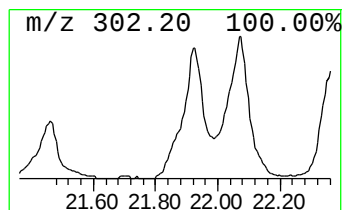
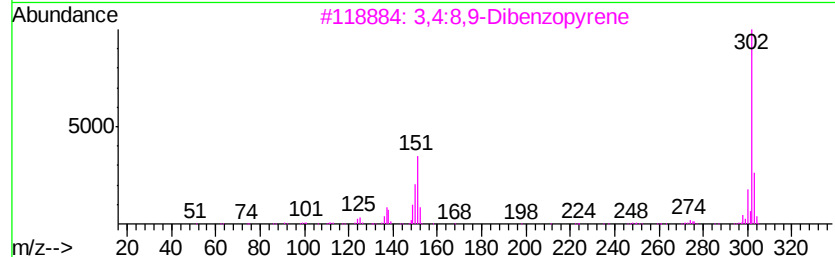
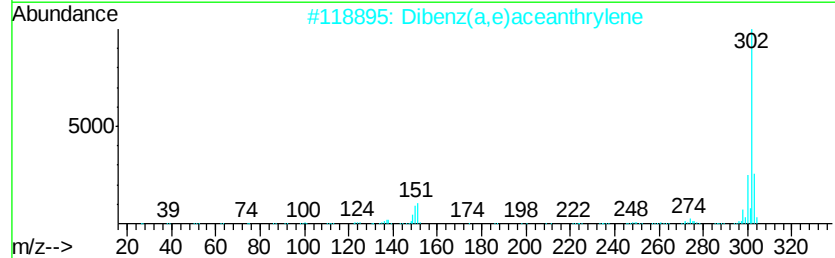
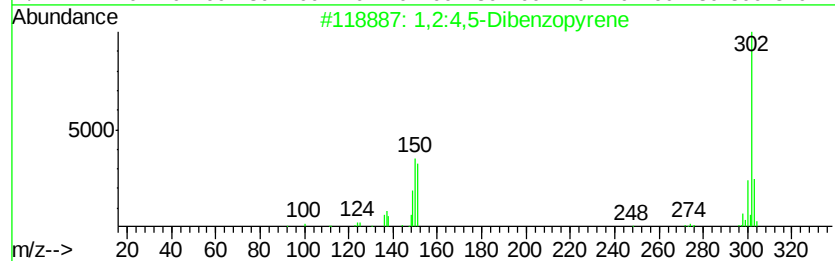
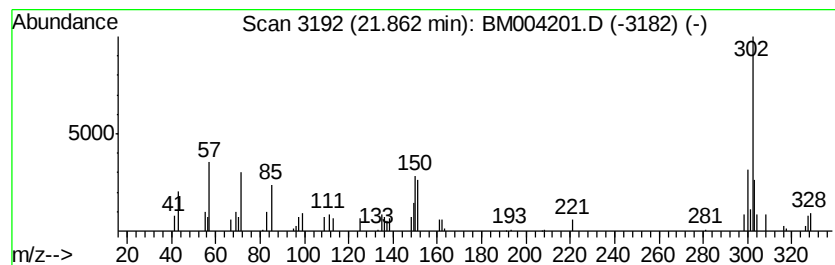
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 1,2:4,5-Dibenzopyrene Concentration Rank 8

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 21.86 | 2.53 ng/ul | 70959 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | 1,2:4,5-Dibenzopyrene       | 302 | C24H14  | 000192-65-4 | 78   |
| 2    |    | Dibenz(a,e)aceanthrylene    | 302 | C24H14  | 005385-75-1 | 60   |
| 3    |    | 3,4:8,9-Dibenzopyrene       | 302 | C24H14  | 000189-64-0 | 58   |
| 4    |    | 1,2:3,4-Dibenzopyrene       | 302 | C24H14  | 000191-30-0 | 53   |
| 5    |    | Indeno[1,2,3-fg]naphthacene | 302 | C24H14  | 000203-11-2 | 50   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM020816\  
Data File : BM004201.D  
Acq On : 08 Feb 2016 15:47  
Operator : SJ/IZ  
Sample : H1340-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C04H0

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM012016.M  
Quant Title : SVOA CALIBRATION

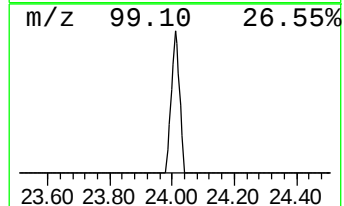
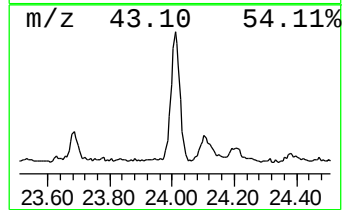
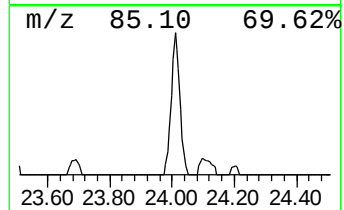
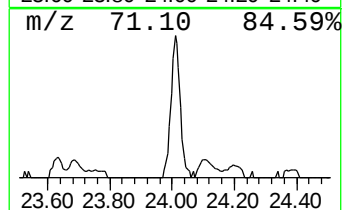
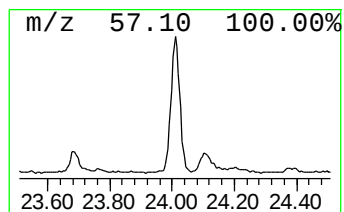
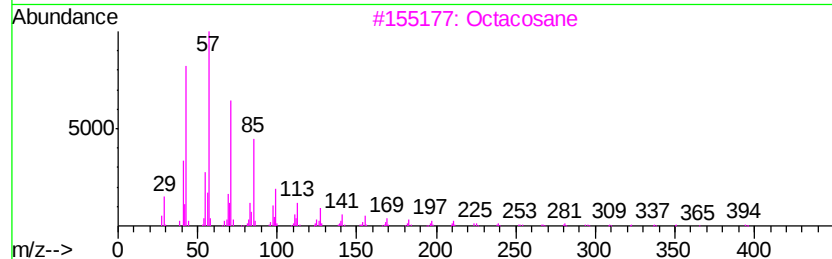
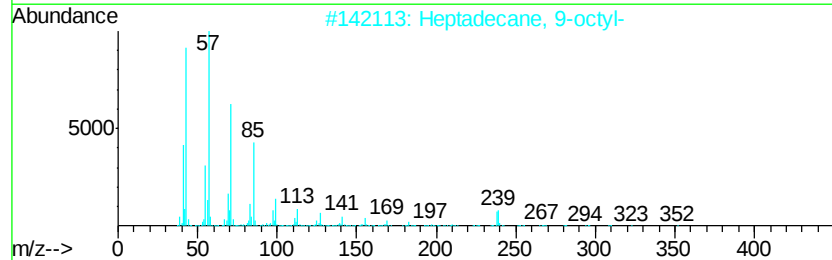
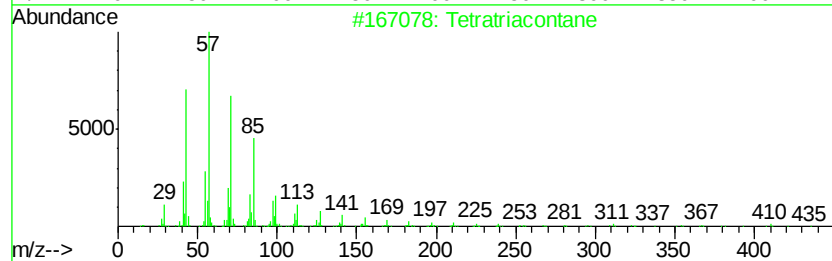
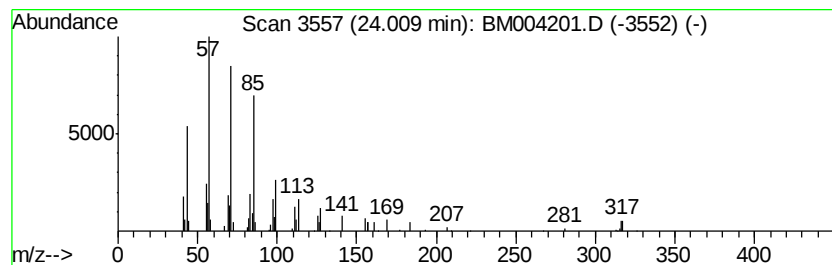
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 24.01 | 3.48 ng/ul | 91512 | Perylene-d12     | 23.51 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratriacontane      | 479 | C34H70  | 014167-59-0 | 87   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 87   |
| 3    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 87   |
| 4    |    | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 87   |
| 5    |    | Docosane, 11-decyl-   | 451 | C32H66  | 055401-55-3 | 86   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM020816\  
Data File : BM004201.D  
Acq On : 08 Feb 2016 15:47  
Operator : SJ/IZ  
Sample : H1340-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleID :  
C04H0

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM012016.M  
Quant Title : SVOA CALIBRATION

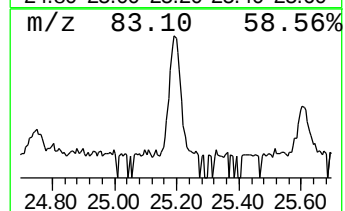
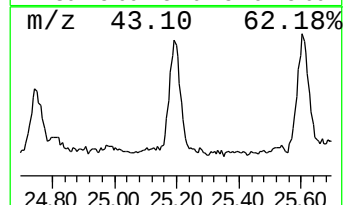
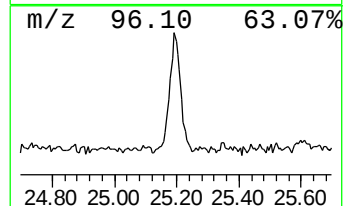
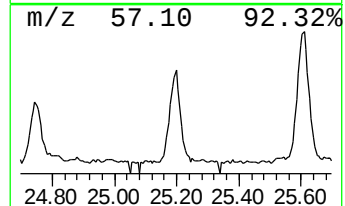
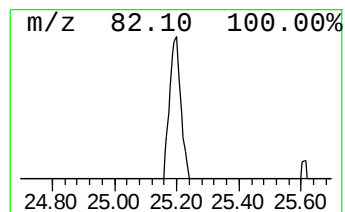
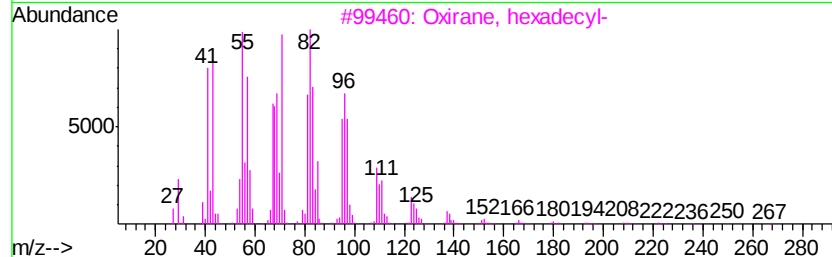
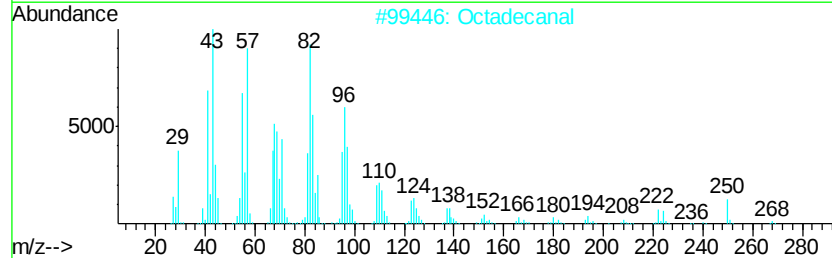
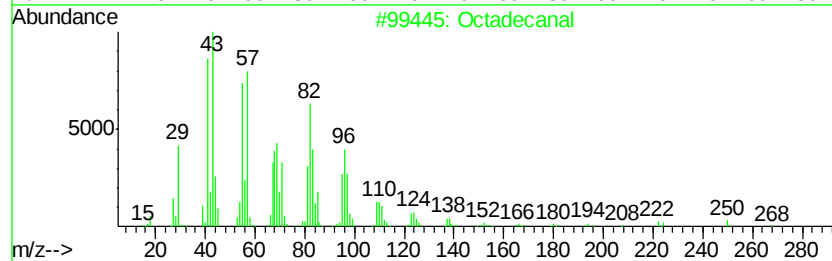
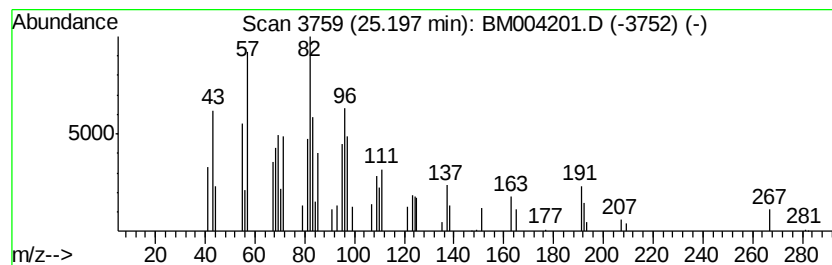
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Octadecanal Concentration Rank 6

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 25.20 | 3.22 ng/ul | 84452 | Perylene-d12     | 23.51 |

| Hit# of | 5                   | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|---------------------|--------------|-----|---------|--------------|------|
| 1       | Octadecanal         |              | 268 | C18H36O | 000638-66-4  | 68   |
| 2       | Octadecanal         |              | 268 | C18H36O | 000638-66-4  | 64   |
| 3       | Oxirane, hexadecyl- |              | 268 | C18H36O | 007390-81-0  | 64   |
| 4       | Octadecanal         |              | 268 | C18H36O | 000638-66-4  | 64   |
| 5       | 18-Nonadecen-1-ol   |              | 282 | C19H38O | 1000142-89-2 | 62   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM020816\  
Data File : BM004201.D  
Acq On : 08 Feb 2016 15:47  
Operator : SJ/IZ  
Sample : H1340-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C04H0

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM012016.M  
Quant Title : SVOA CALIBRATION

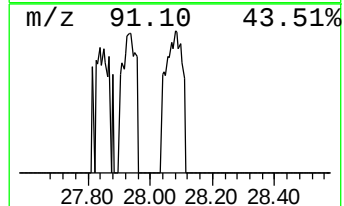
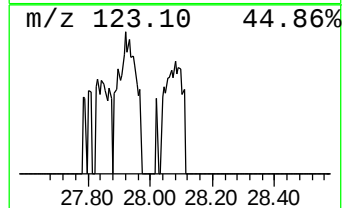
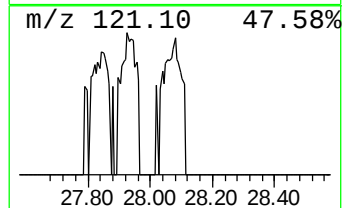
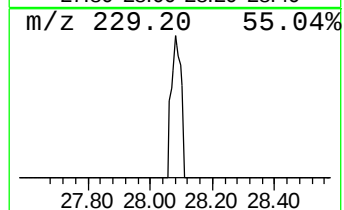
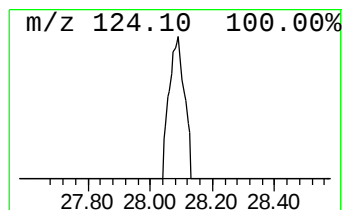
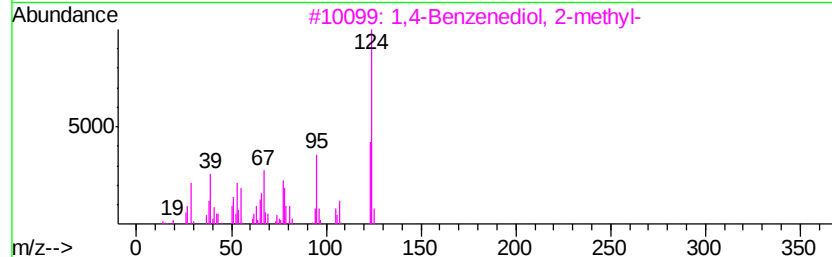
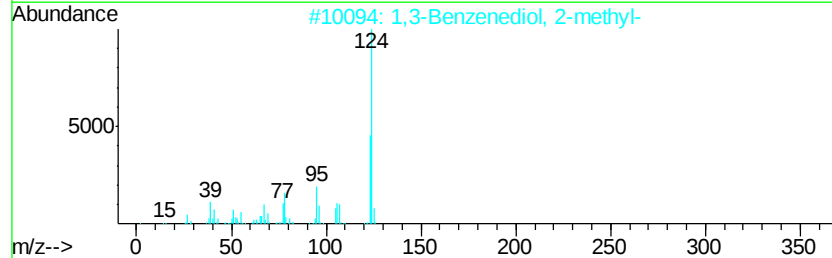
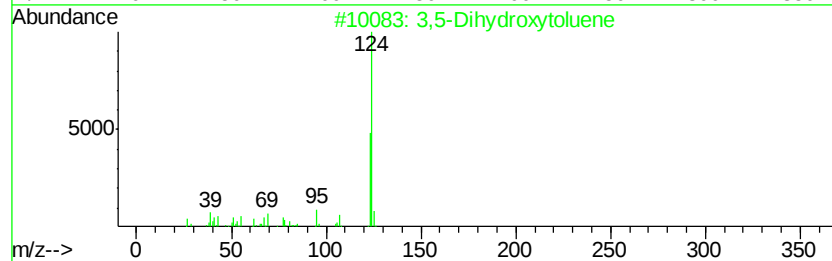
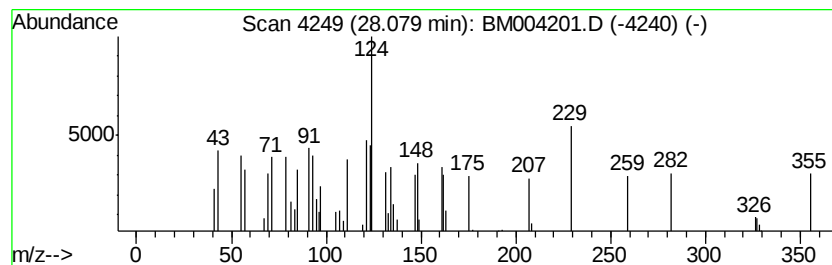
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 unknown-02 Concentration Rank 9

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 28.08 | 2.36 ng/ul | 62047 | Perylene-d12     | 23.51 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | 3,5-Dihydroxytoluene       | 124 | C7H8O2  | 000504-15-4 | 25   |
| 2    |    | 1,3-Benzenediol, 2-methyl- | 124 | C7H8O2  | 000608-25-3 | 25   |
| 3    |    | 1,4-Benzenediol, 2-methyl- | 124 | C7H8O2  | 000095-71-6 | 22   |
| 4    |    | 2,4-Diaminophenol          | 124 | C6H8N2O | 000095-86-3 | 22   |
| 5    |    | 2,4-Diaminophenol          | 124 | C6H8N2O | 000095-86-3 | 22   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM020816\  
Data File : BM004201.D  
Acq On : 08 Feb 2016 15:47  
Operator : SJ/IZ  
Sample : H1340-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C04H0

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM012016.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 |
| (DEL) Alkane: Cyc... | 4.08  | 6.3     | ng/ul | 39157    | 1                     | 7.66  | 123711 | 20.0 |
| unknown-01           | 4.49  | 4.5     | ng/ul | 27767    | 1                     | 7.66  | 123711 | 20.0 |
| n-Hexadecanoic acid  | 17.97 | 2.2     | ng/ul | 42808    | 4                     | 17.07 | 389622 | 20.0 |
| 2-Chloropropioni...  | 20.99 | 3.9     | ng/ul | 110530   | 5                     | 21.27 | 560819 | 20.0 |
| 1,2:4,5-Dibenzopy... | 21.86 | 2.5     | ng/ul | 70959    | 5                     | 21.27 | 560819 | 20.0 |
| (DEL) Alkane: Str... | 24.01 | 3.5     | ng/ul | 91512    | 6                     | 23.51 | 525181 | 20.0 |
| Octadecanal          | 25.20 | 3.2     | ng/ul | 84452    | 6                     | 23.51 | 525181 | 20.0 |
| unknown-02           | 28.08 | 2.4     | ng/ul | 62047    | 6                     | 23.51 | 525181 | 20.0 |