

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
 Data File : BM004011.D  
 Acq On : 14 Jan 2016 07:36  
 Operator : SJ/UM  
 Sample : H1098-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BC968

## 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-BM010116.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         | 3.128       | 3             | 7           | 15           | rVB      | 6343           | 7735          | 0.70%           | 0.058%        |
| 2         | 6.840       | 633           | 638         | 648          | rBV      | 152051         | 238323        | 21.61%          | 1.776%        |
| 3         | 6.998       | 660           | 665         | 675          | rBB      | 130201         | 196784        | 17.85%          | 1.466%        |
| 4         | 7.198       | 693           | 699         | 706          | rBV      | 168570         | 256466        | 23.26%          | 1.911%        |
| 5         | 7.663       | 772           | 778         | 785          | rBB      | 167797         | 259426        | 23.53%          | 1.933%        |
| 6         | 8.375       | 893           | 899         | 906          | rBV      | 190567         | 296452        | 26.88%          | 2.209%        |
| 7         | 8.822       | 969           | 975         | 984          | rBB      | 158353         | 251435        | 22.80%          | 1.873%        |
| 8         | 9.539       | 1091          | 1097        | 1104         | rBB      | 133834         | 211346        | 19.17%          | 1.575%        |
| 9         | 10.080      | 1183          | 1189        | 1200         | rBB      | 208168         | 342067        | 31.02%          | 2.549%        |
| 10        | 10.451      | 1245          | 1252        | 1260         | rBV      | 268384         | 433910        | 39.35%          | 3.233%        |
| 11        | 10.592      | 1270          | 1276        | 1292         | rBV      | 179350         | 301192        | 27.31%          | 2.244%        |
| 12        | 13.727      | 1803          | 1809        | 1814         | rBV      | 382430         | 541871        | 49.14%          | 4.037%        |
| 13        | 13.774      | 1814          | 1817        | 1825         | rVB      | 217953         | 291473        | 26.43%          | 2.172%        |
| 14        | 14.010      | 1851          | 1857        | 1869         | rBB      | 468435         | 684850        | 62.11%          | 5.103%        |
| 15        | 14.216      | 1888          | 1892        | 1896         | rBB      | 19400          | 24525         | 2.22%           | 0.183%        |
| 16        | 14.321      | 1903          | 1910        | 1917         | rBB2     | 392721         | 589608        | 53.47%          | 4.393%        |
| 17        | 14.539      | 1942          | 1947        | 1963         | rBV      | 118928         | 192687        | 17.47%          | 1.436%        |
| 18        | 14.668      | 1963          | 1969        | 1975         | rVB5     | 3203           | 6902          | 0.63%           | 0.051%        |
| 19        | 14.839      | 1994          | 1998        | 2001         | rBB      | 4826           | 6293          | 0.57%           | 0.047%        |
| 20        | 15.174      | 2050          | 2055        | 2060         | rBB      | 33662          | 40702         | 3.69%           | 0.303%        |
| 21        | 15.315      | 2073          | 2079        | 2086         | rVV      | 608967         | 855864        | 77.62%          | 6.377%        |
| 22        | 15.451      | 2097          | 2102        | 2109         | rBB      | 130676         | 178567        | 16.19%          | 1.330%        |
| 23        | 15.557      | 2116          | 2120        | 2122         | rBV2     | 9125           | 12802         | 1.16%           | 0.095%        |
| 24        | 15.580      | 2122          | 2124        | 2128         | rVV      | 9134           | 10952         | 0.99%           | 0.082%        |
| 25        | 15.668      | 2134          | 2139        | 2145         | rVB2     | 5067           | 8256          | 0.75%           | 0.062%        |
| 26        | 15.727      | 2146          | 2149        | 2153         | rBV      | 4368           | 6001          | 0.54%           | 0.045%        |
| 27        | 15.792      | 2156          | 2160        | 2164         | rVB3     | 4795           | 6703          | 0.61%           | 0.050%        |
| 28        | 16.033      | 2196          | 2201        | 2219         | rVV      | 33949          | 66313         | 6.01%           | 0.494%        |
| 29        | 16.380      | 2255          | 2260        | 2263         | rBV2     | 5219           | 8077          | 0.73%           | 0.060%        |
| 30        | 16.439      | 2267          | 2270        | 2274         | rVB      | 3177           | 4169          | 0.38%           | 0.031%        |
| 31        | 16.827      | 2332          | 2336        | 2340         | rBV      | 18285          | 22430         | 2.03%           | 0.167%        |
| 32        | 16.880      | 2342          | 2345        | 2350         | rVB2     | 5448           | 8025          | 0.73%           | 0.060%        |
| 33        | 17.068      | 2371          | 2377        | 2382         | rBV2     | 485503         | 679930        | 61.66%          | 5.066%        |
| 34        | 17.109      | 2382          | 2384        | 2388         | rVV      | 50942          | 61054         | 5.54%           | 0.455%        |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
 Data File : BM004011.D  
 Acq On : 14 Jan 2016 07:36  
 Operator : SJ/UM  
 Sample : H1098-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BC968

## 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-BM010116.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 35 | 17.168 | 2388 | 2394 | 2407 | rVB2 | 654698 | 922484  | 83.66%  | 6.873% |
| 36 | 17.562 | 2458 | 2461 | 2464 | rBV2 | 5032   | 5908    | 0.54%   | 0.044% |
| 37 | 17.945 | 2522 | 2526 | 2527 | rBV  | 13510  | 14513   | 1.32%   | 0.108% |
| 38 | 17.968 | 2528 | 2530 | 2532 | rVV  | 13876  | 15889   | 1.44%   | 0.118% |
| 39 | 17.992 | 2532 | 2534 | 2539 | rVB  | 16485  | 19532   | 1.77%   | 0.146% |
| 40 | 18.074 | 2544 | 2548 | 2552 | rVV  | 2935   | 3776    | 0.34%   | 0.028% |
| 41 | 18.139 | 2553 | 2559 | 2563 | rVV2 | 18123  | 32948   | 2.99%   | 0.245% |
| 42 | 18.180 | 2563 | 2566 | 2571 | rVV  | 10651  | 13688   | 1.24%   | 0.102% |
| 43 | 18.451 | 2607 | 2612 | 2616 | rBV  | 5690   | 7192    | 0.65%   | 0.054% |
| 44 | 18.492 | 2616 | 2619 | 2624 | rVB2 | 5616   | 7861    | 0.71%   | 0.059% |
| 45 | 18.750 | 2658 | 2663 | 2667 | rBV  | 3596   | 4519    | 0.41%   | 0.034% |
| 46 | 18.874 | 2679 | 2684 | 2687 | rBV2 | 12142  | 17382   | 1.58%   | 0.130% |
| 47 | 18.933 | 2690 | 2694 | 2697 | rVV3 | 6096   | 10849   | 0.98%   | 0.081% |
| 48 | 18.962 | 2697 | 2699 | 2702 | rVV  | 3399   | 4109    | 0.37%   | 0.031% |
| 49 | 19.015 | 2702 | 2708 | 2716 | rVB4 | 5428   | 14161   | 1.28%   | 0.106% |
| 50 | 19.139 | 2724 | 2729 | 2735 | rVB  | 101453 | 130181  | 11.81%  | 0.970% |
| 51 | 19.362 | 2760 | 2767 | 2769 | rBV2 | 4178   | 6699    | 0.61%   | 0.050% |
| 52 | 19.474 | 2780 | 2786 | 2799 | rVB2 | 722466 | 1102667 | 100.00% | 8.216% |
| 53 | 19.580 | 2799 | 2804 | 2809 | rBV3 | 5367   | 7168    | 0.65%   | 0.053% |
| 54 | 19.686 | 2814 | 2822 | 2827 | rVB2 | 3130   | 5617    | 0.51%   | 0.042% |
| 55 | 19.833 | 2841 | 2847 | 2853 | rBV3 | 8448   | 17785   | 1.61%   | 0.133% |
| 56 | 20.003 | 2865 | 2876 | 2882 | rBV2 | 18826  | 44302   | 4.02%   | 0.330% |
| 57 | 20.103 | 2889 | 2893 | 2898 | rVB  | 10851  | 11840   | 1.07%   | 0.088% |
| 58 | 20.162 | 2898 | 2903 | 2907 | rBV2 | 14216  | 18411   | 1.67%   | 0.137% |
| 59 | 20.303 | 2923 | 2927 | 2931 | rBV  | 11107  | 14799   | 1.34%   | 0.110% |
| 60 | 20.350 | 2931 | 2935 | 2940 | rVV2 | 12592  | 15854   | 1.44%   | 0.118% |
| 61 | 20.521 | 2959 | 2964 | 2968 | rBV2 | 4847   | 8809    | 0.80%   | 0.066% |
| 62 | 20.633 | 2980 | 2983 | 2987 | rVB  | 4116   | 5070    | 0.46%   | 0.038% |
| 63 | 20.756 | 3000 | 3004 | 3010 | rVB  | 6824   | 10121   | 0.92%   | 0.075% |
| 64 | 20.921 | 3024 | 3032 | 3035 | rBV4 | 7651   | 13889   | 1.26%   | 0.103% |
| 65 | 20.986 | 3035 | 3043 | 3051 | rBV4 | 132337 | 237251  | 21.52%  | 1.768% |
| 66 | 21.056 | 3051 | 3055 | 3058 | rBV  | 64812  | 88295   | 8.01%   | 0.658% |
| 67 | 21.192 | 3075 | 3078 | 3083 | rVB  | 8012   | 10240   | 0.93%   | 0.076% |
| 68 | 21.274 | 3085 | 3092 | 3096 | rVV  | 502380 | 692577  | 62.81%  | 5.160% |
| 69 | 21.309 | 3096 | 3098 | 3105 | rVB  | 46414  | 59665   | 5.41%   | 0.445% |
| 70 | 21.397 | 3108 | 3113 | 3114 | rBV4 | 4999   | 7461    | 0.68%   | 0.056% |
| 71 | 21.427 | 3115 | 3118 | 3127 | rVB4 | 15349  | 23008   | 2.09%   | 0.171% |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
 Data File : BM004011.D  
 Acq On : 14 Jan 2016 07:36  
 Operator : SJ/UM  
 Sample : H1098-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BC968

## 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-BM010116.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 21.592 | 3142 | 3146 | 3151 | rVV5 | 7045   | 13727  | 1.24%  | 0.102% |
| 73  | 21.639 | 3152 | 3154 | 3161 | rVB6 | 5151   | 7781   | 0.71%  | 0.058% |
| 74  | 21.827 | 3180 | 3186 | 3188 | rBV2 | 15224  | 23865  | 2.16%  | 0.178% |
| 75  | 21.874 | 3188 | 3194 | 3206 | rVB3 | 60462  | 130662 | 11.85% | 0.974% |
| 76  | 22.021 | 3216 | 3219 | 3222 | rBV  | 5440   | 7669   | 0.70%  | 0.057% |
| 77  | 22.056 | 3222 | 3225 | 3229 | rVB2 | 5853   | 8939   | 0.81%  | 0.067% |
| 78  | 22.315 | 3262 | 3269 | 3274 | rBV4 | 20775  | 41968  | 3.81%  | 0.313% |
| 79  | 22.444 | 3287 | 3291 | 3296 | rVB2 | 10891  | 15043  | 1.36%  | 0.112% |
| 80  | 22.544 | 3304 | 3308 | 3313 | rBV2 | 13695  | 18768  | 1.70%  | 0.140% |
| 81  | 22.821 | 3349 | 3355 | 3359 | rBV  | 120717 | 208707 | 18.93% | 1.555% |
| 82  | 23.009 | 3385 | 3387 | 3394 | rVB2 | 7087   | 9249   | 0.84%  | 0.069% |
| 83  | 23.080 | 3397 | 3399 | 3404 | rVB5 | 4092   | 5060   | 0.46%  | 0.038% |
| 84  | 23.321 | 3435 | 3440 | 3442 | rBV  | 18914  | 29651  | 2.69%  | 0.221% |
| 85  | 23.368 | 3442 | 3448 | 3454 | rVV  | 410862 | 755788 | 68.54% | 5.631% |
| 86  | 23.515 | 3465 | 3473 | 3487 | rVB  | 285499 | 553178 | 50.17% | 4.122% |
| 87  | 23.691 | 3497 | 3503 | 3511 | rBV  | 39825  | 69900  | 6.34%  | 0.521% |
| 88  | 24.015 | 3550 | 3558 | 3568 | rBV  | 183668 | 364022 | 33.01% | 2.712% |
| 89  | 24.103 | 3569 | 3573 | 3580 | rVB4 | 11716  | 24204  | 2.20%  | 0.180% |
| 90  | 24.380 | 3615 | 3620 | 3626 | rBV5 | 9398   | 20714  | 1.88%  | 0.154% |
| 91  | 24.485 | 3634 | 3638 | 3645 | rBV4 | 5014   | 9511   | 0.86%  | 0.071% |
| 92  | 24.750 | 3677 | 3683 | 3689 | rBV2 | 15259  | 34714  | 3.15%  | 0.259% |
| 93  | 24.815 | 3691 | 3694 | 3701 | rVB  | 9737   | 17913  | 1.62%  | 0.133% |
| 94  | 25.203 | 3752 | 3760 | 3768 | rBV4 | 29399  | 72187  | 6.55%  | 0.538% |
| 95  | 25.615 | 3824 | 3830 | 3841 | rVB2 | 25900  | 68052  | 6.17%  | 0.507% |
| 96  | 25.756 | 3847 | 3854 | 3864 | rBV3 | 16755  | 48137  | 4.37%  | 0.359% |
| 97  | 26.444 | 3965 | 3971 | 3978 | rVB2 | 9399   | 23731  | 2.15%  | 0.177% |
| 98  | 26.526 | 3980 | 3985 | 3995 | rVV8 | 8357   | 22079  | 2.00%  | 0.165% |
| 99  | 27.285 | 4105 | 4114 | 4124 | rBV5 | 18293  | 56284  | 5.10%  | 0.419% |
| 100 | 27.803 | 4195 | 4202 | 4207 | rBV8 | 10686  | 30204  | 2.74%  | 0.225% |

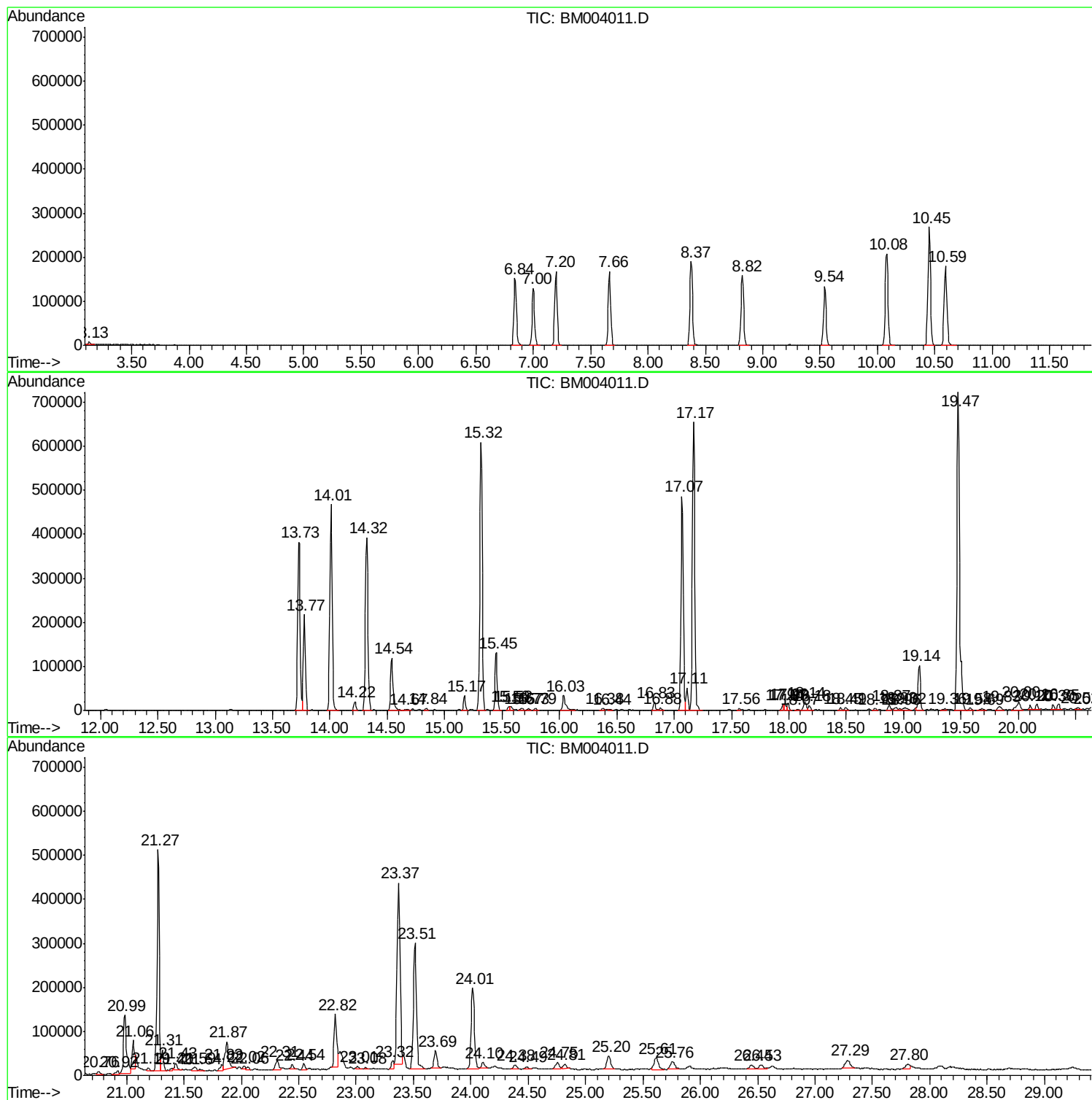
Sum of corrected areas: 13421417

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
Data File : BM004011.D  
Acq On : 14 Jan 2016 07:36  
Operator : SJ/UM  
Sample : H1098-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BC968

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
Data File : BM004011.D  
Acq On : 14 Jan 2016 07:36  
Operator : SJ/UM  
Sample : H1098-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

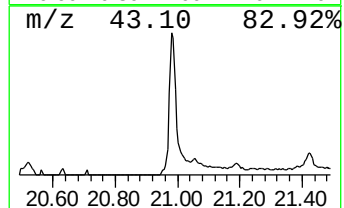
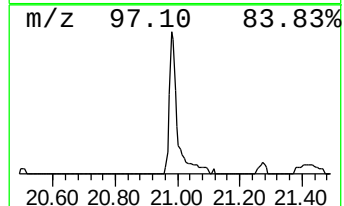
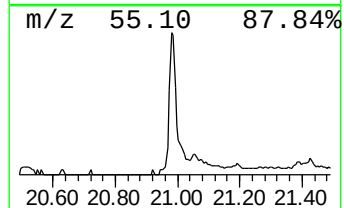
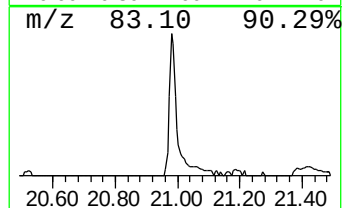
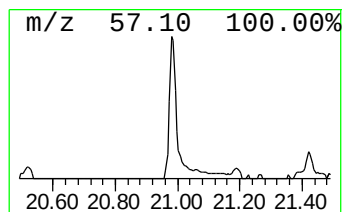
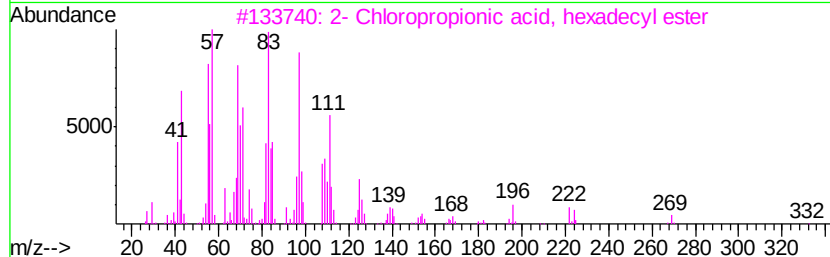
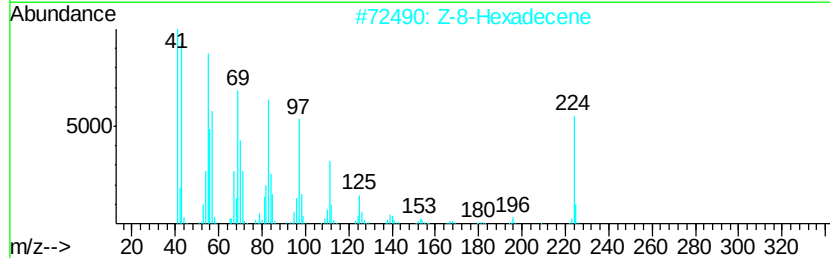
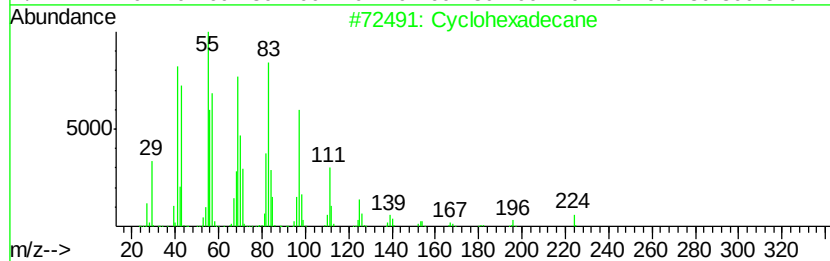
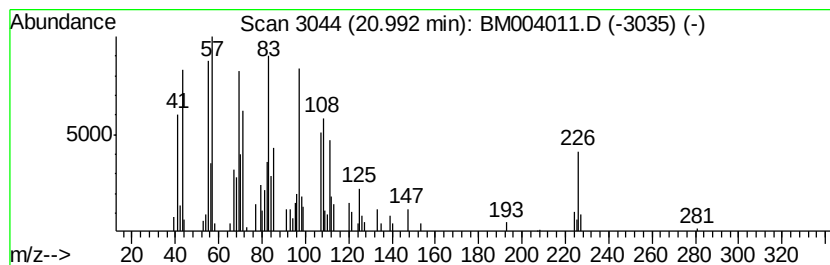
Instrument :  
BNA\_M  
ClientSampleId :  
BC968

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Cyclic20.99 Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 20.99     | 6.85 ng/ul                          | 237251 | Chrysene-d12     | 21.27        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Cyclohexadecane                     | 224    | C16H32           | 000295-65-8  | 98   |
| 2         | Z-8-Hexadecene                      | 224    | C16H32           | 1000130-87-5 | 97   |
| 3         | 2- Chloropropionic acid, hexadec... | 332    | C19H37ClO2       | 086711-81-1  | 94   |
| 4         | Dichloroacetic acid, heptadecyl ... | 366    | C19H36Cl2O2      | 1000282-98-2 | 93   |
| 5         | Trichloroacetic acid, hexadecyl ... | 386    | C18H33Cl3O2      | 074339-54-1  | 90   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
Data File : BM004011.D  
Acq On : 14 Jan 2016 07:36  
Operator : SJ/UM  
Sample : H1098-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BC968

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION

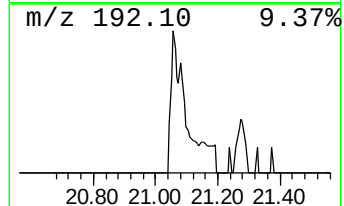
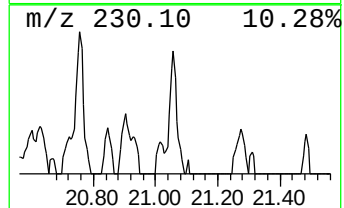
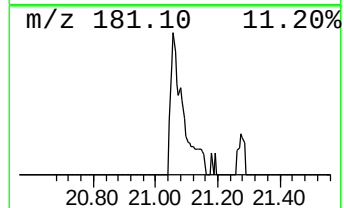
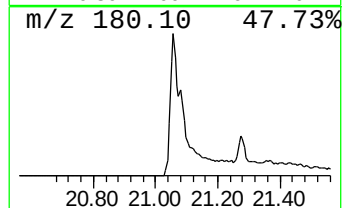
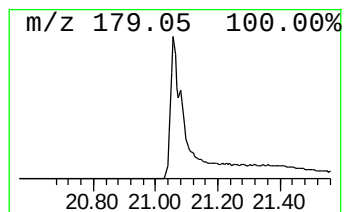
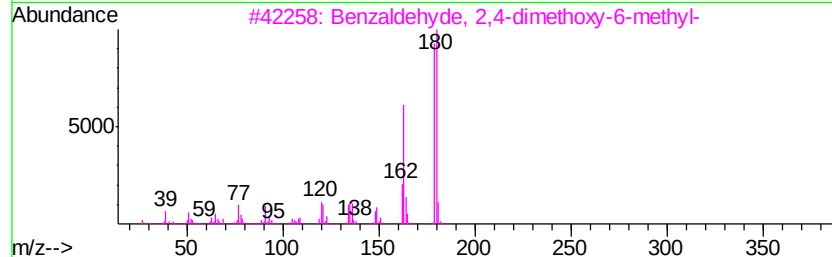
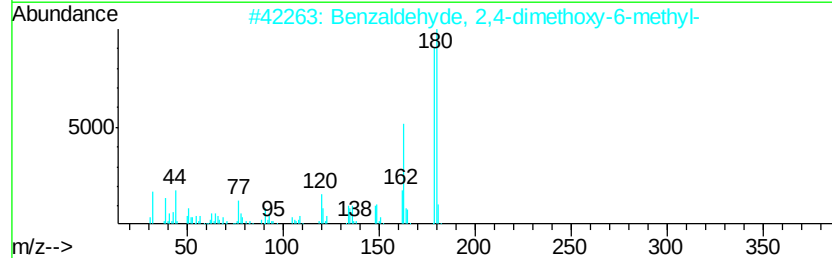
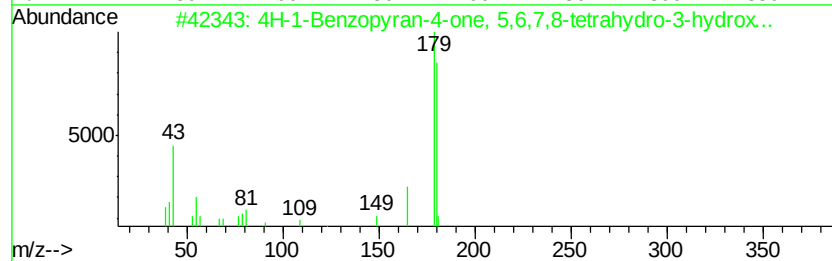
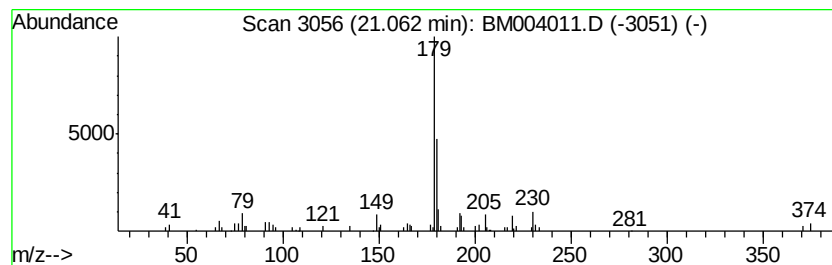
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown-01 Concentration Rank 5

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 21.06 | 2.55 ng/ul | 88295 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|------|----|-------------------------------------|-----|--------------|-------------|------|
| 1    | 5  | 4H-1-Benzopyran-4-one, 5,6,7,8-t... | 180 | C10H12O3     | 035942-12-2 | 43   |
| 2    |    | Benzaldehyde, 2,4-dimethoxy-6-me... | 180 | C10H12O3     | 007149-90-8 | 37   |
| 3    |    | Benzaldehyde, 2,4-dimethoxy-6-me... | 180 | C10H12O3     | 007149-90-8 | 37   |
| 4    |    | Tyrosine, O-trimethylsilyl-, tri... | 325 | C15H27N03Si2 | 007536-83-6 | 33   |
| 5    |    | cis-Stilbene                        | 180 | C14H12       | 000645-49-8 | 32   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
Data File : BM004011.D  
Acq On : 14 Jan 2016 07:36  
Operator : SJ/UM  
Sample : H1098-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

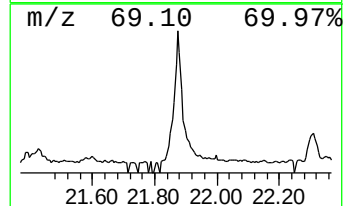
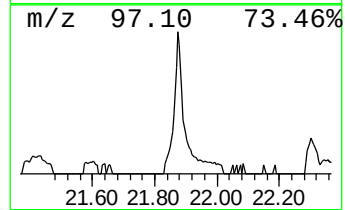
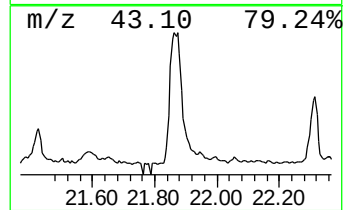
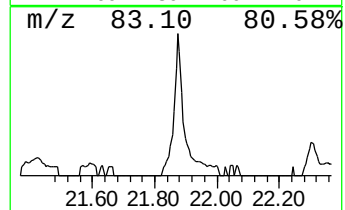
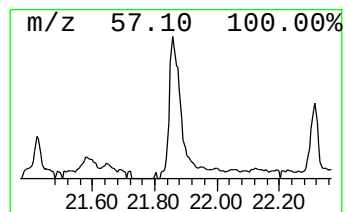
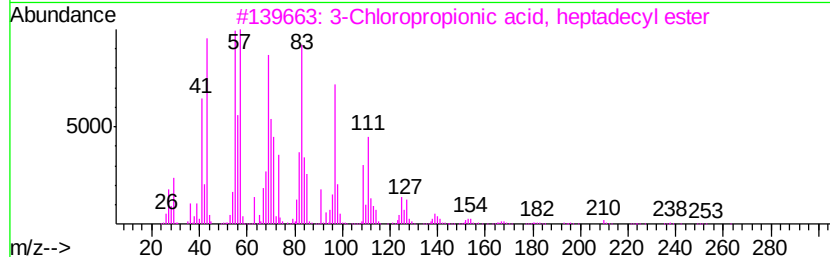
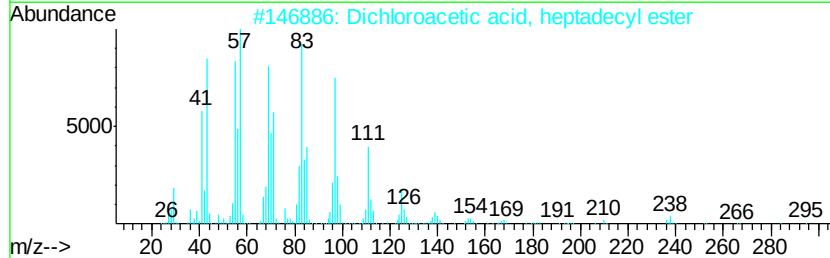
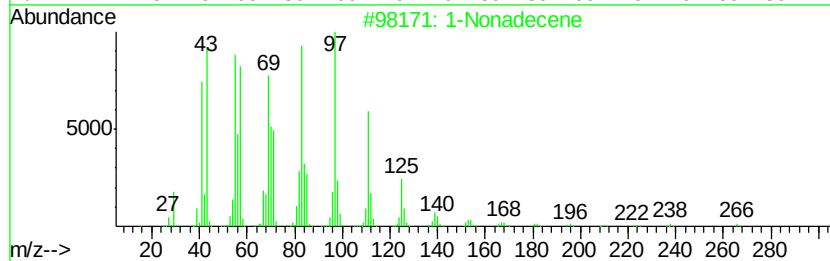
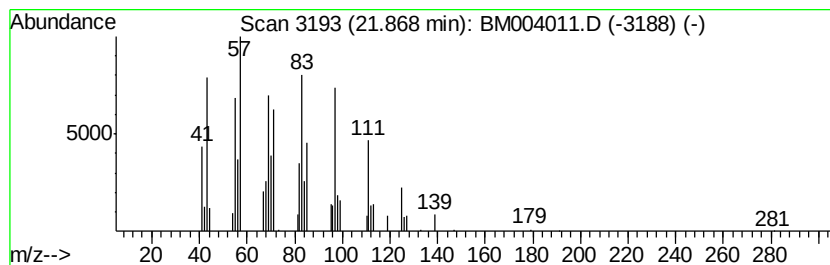
Instrument :  
BNA\_M  
ClientSampleId :  
BC968

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic21.87 Concentration Rank 3

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 21.87   | 3.77 ng/ul                          | 130662       | Chrysene-d12     | 21.27           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | 1-Nonadecene                        |              | 266 C19H38       | 018435-45-5 94  |
| 2       | Dichloroacetic acid, heptadecyl ... |              | 366 C19H36Cl2O2  | 1000282-98-2 93 |
| 3       | 3-Chloropropionic acid, heptadec... |              | 346 C20H39ClO2   | 1000283-05-1 91 |
| 4       | 1-Octadecanol                       |              | 270 C18H38O      | 000112-92-5 91  |
| 5       | 3-Eicosene, (E)-                    |              | 280 C20H40       | 074685-33-9 91  |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
Data File : BM004011.D  
Acq On : 14 Jan 2016 07:36  
Operator : SJ/UM  
Sample : H1098-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

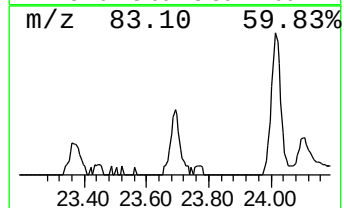
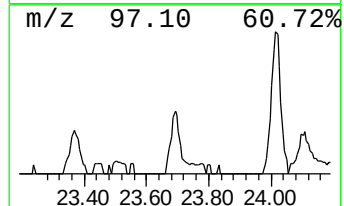
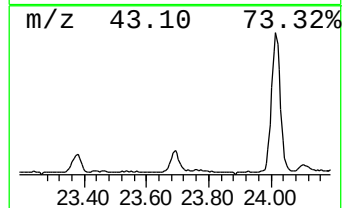
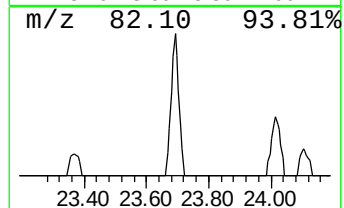
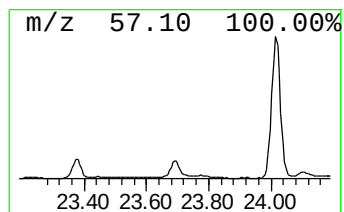
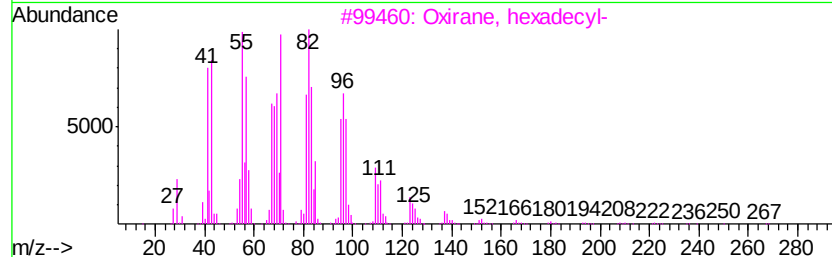
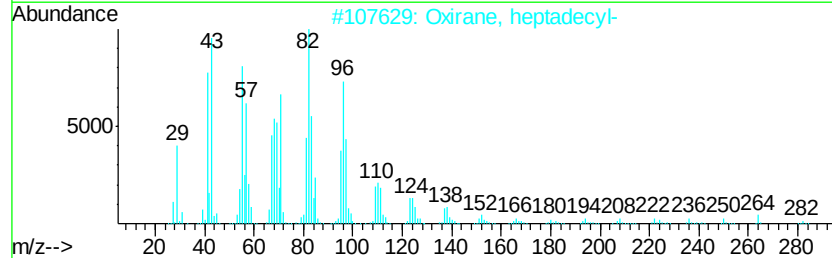
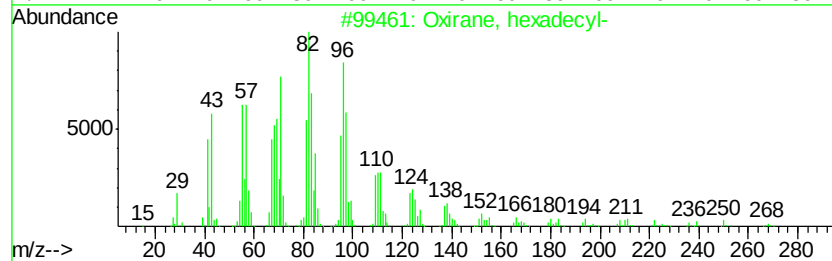
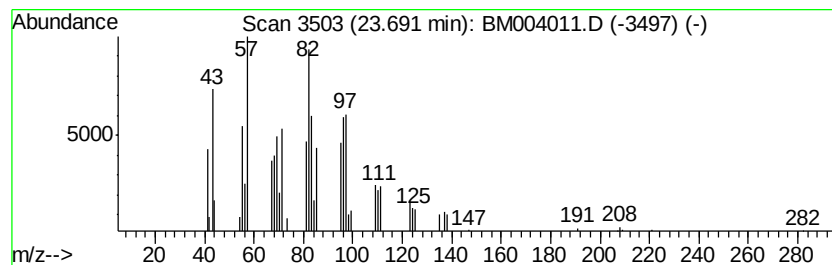
Instrument :  
BNA\_M  
ClientSampleId :  
BC968

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Oxirane, hexadecyl- Concentration Rank 6

| R.T.    | EstConc              | Area         | Relative to ISTD | R.T.      |
|---------|----------------------|--------------|------------------|-----------|
| 23.69   | 2.53 ng/ul           | 69900        | Perylene-d12     | 23.51     |
| Hit# of | 5                    | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Oxirane, hexadecyl-  | 268 C18H36O  | 007390-81-0      | 94        |
| 2       | Oxirane, heptadecyl- | 282 C19H38O  | 067860-04-2      | 93        |
| 3       | Oxirane, hexadecyl-  | 268 C18H36O  | 007390-81-0      | 91        |
| 4       | Octadecanal          | 268 C18H36O  | 000638-66-4      | 90        |
| 5       | Octadecanal          | 268 C18H36O  | 000638-66-4      | 86        |





Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
Data File : BM004011.D  
Acq On : 14 Jan 2016 07:36  
Operator : SJ/UM  
Sample : H1098-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BC968

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION

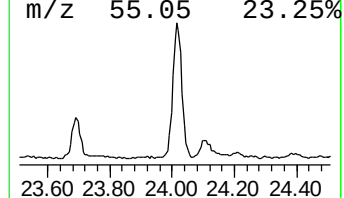
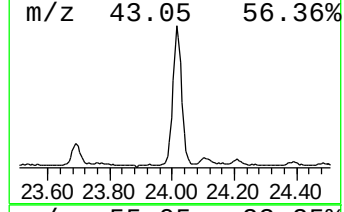
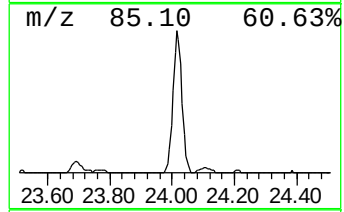
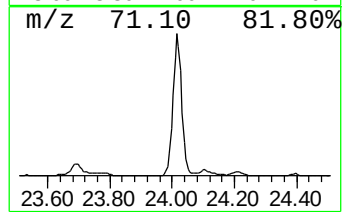
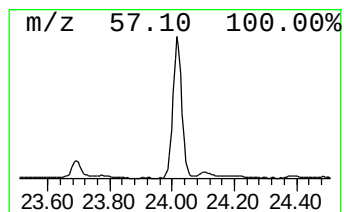
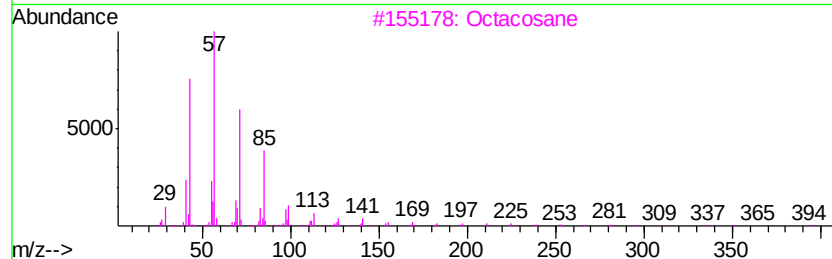
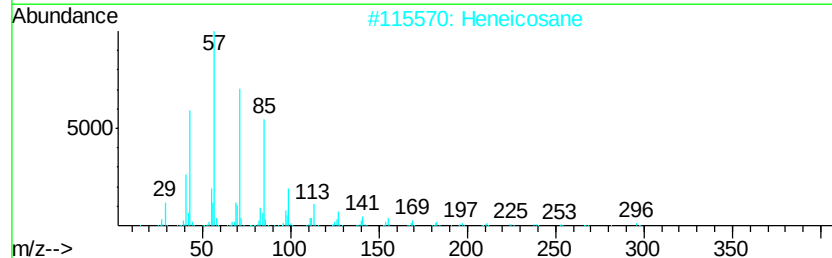
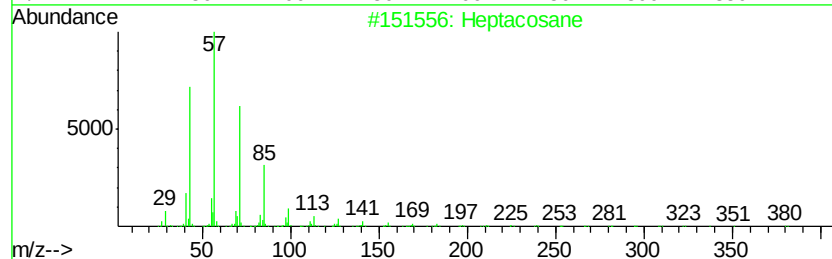
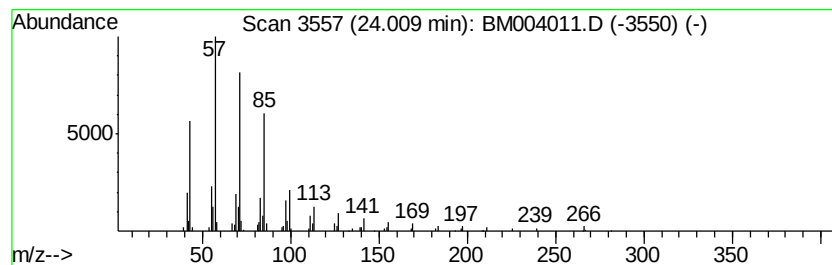
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 24.01 | 13.16 ng/ul | 364022 | Perylene-d12     | 23.51 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane      | 380 | C27H56  | 000593-49-7 | 91   |
| 2    |    | Heneicosane      | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Octacosane       | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Octacosane       | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 91   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
Data File : BM004011.D  
Acq On : 14 Jan 2016 07:36  
Operator : SJ/UM  
Sample : H1098-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BC968

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION

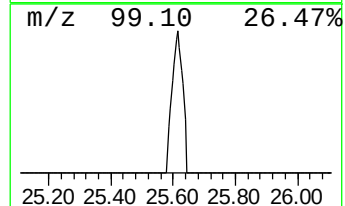
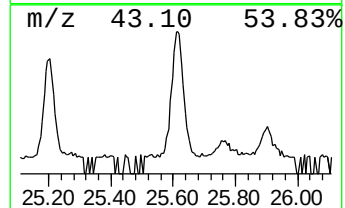
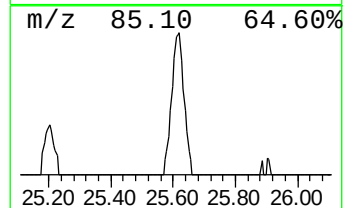
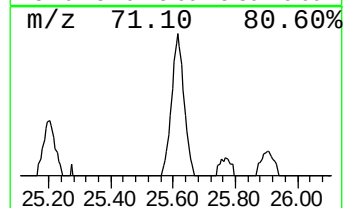
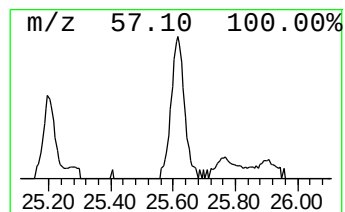
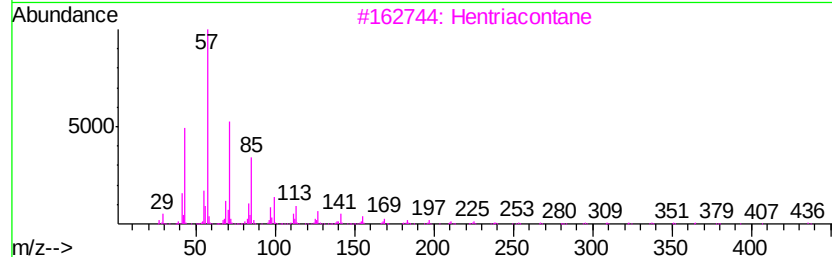
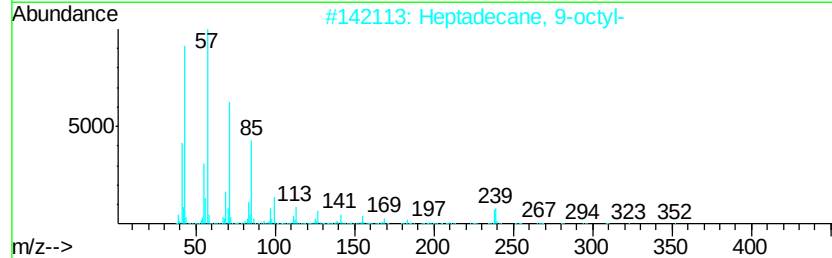
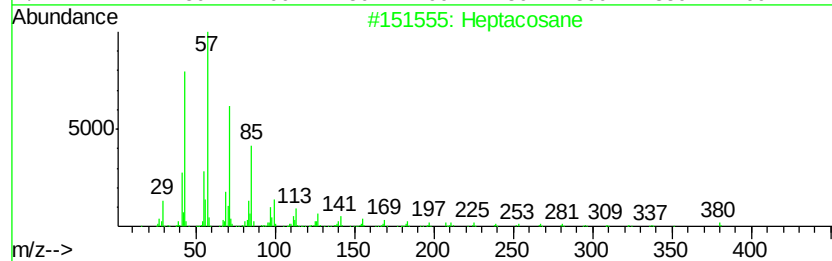
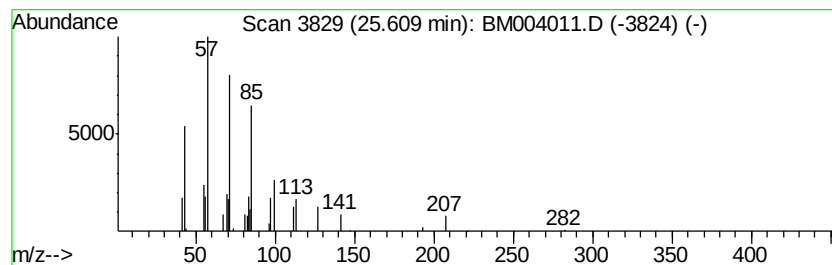
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 25.61 | 2.46 ng/ul | 68052 | Perylene-d12     | 23.51 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane           | 380 | C27H56  | 000593-49-7 | 91   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 90   |
| 3    |    | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 90   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 90   |
| 5    |    | Pentacosane           | 352 | C25H52  | 000629-99-2 | 90   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
Data File : BM004011.D  
Acq On : 14 Jan 2016 07:36  
Operator : SJ/UM  
Sample : H1098-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BC968

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION

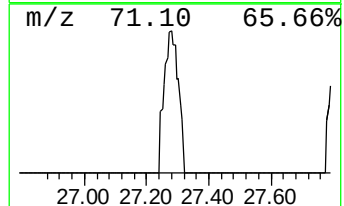
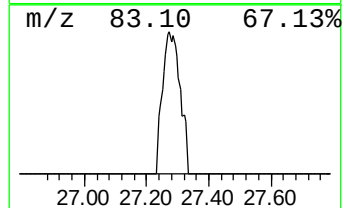
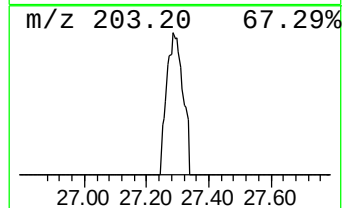
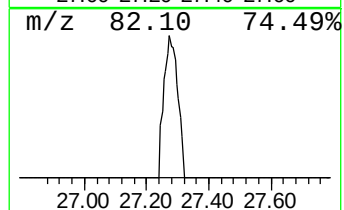
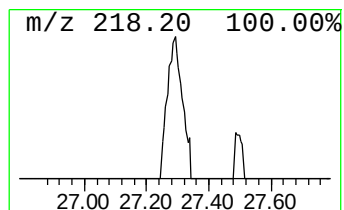
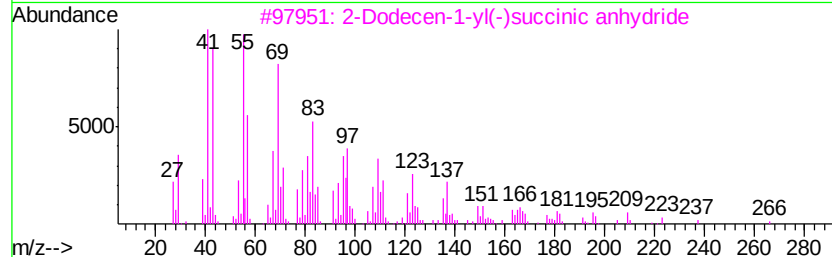
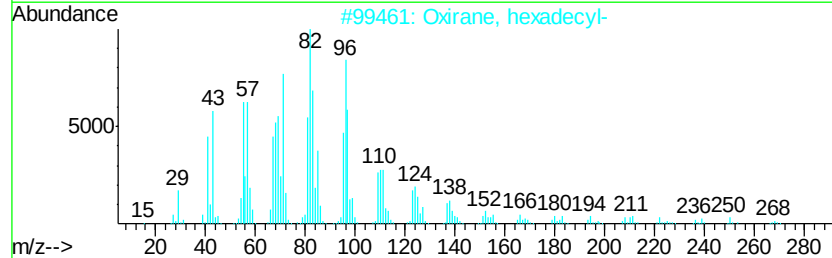
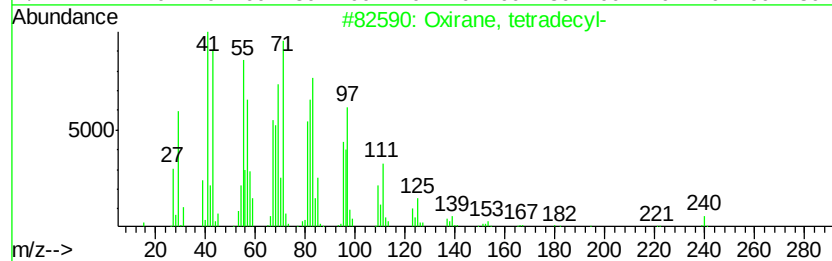
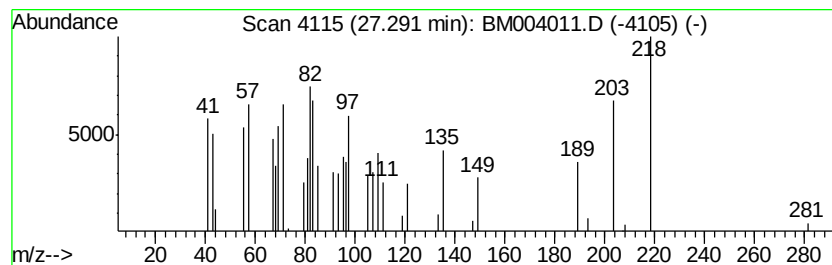
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 unknown-02 Concentration Rank 8

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 27.29 | 2.03 ng/ul | 56284 | Perylene-d12     | 23.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Oxirane, tetradecyl-                | 240 | C16H32O  | 007320-37-8 | 38   |
| 2    |    | Oxirane, hexadecyl-                 | 268 | C18H36O  | 007390-81-0 | 38   |
| 3    |    | 2-Dodecen-1-yl(-)succinic anhydride | 266 | C16H26O3 | 019780-11-1 | 38   |
| 4    |    | Hexadecane, 1,1-bis(dodecyloxy)-    | 595 | C40H82O2 | 056554-64-4 | 35   |
| 5    |    | 13-Oxabicyclo[10.1.0]tridecane      | 182 | C12H22O  | 000286-99-7 | 27   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011416\  
Data File : BM004011.D  
Acq On : 14 Jan 2016 07:36  
Operator : SJ/UM  
Sample : H1098-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BC968

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.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... | 20.99 | 6.8     | ng/ul | 237251   | 5                     | 21.27 | 692577 | 20.0 |
| unknown-01           | 21.06 | 2.5     | ng/ul | 88295    | 5                     | 21.27 | 692577 | 20.0 |
| (DEL) Alkane: Cyc... | 21.87 | 3.8     | ng/ul | 130662   | 5                     | 21.27 | 692577 | 20.0 |
| Oxirane, hexadecyl-  | 23.69 | 2.5     | ng/ul | 69900    | 6                     | 23.51 | 553178 | 20.0 |
| (DEL) Alkane: Str... | 24.01 | 13.2    | ng/ul | 364022   | 6                     | 23.51 | 553178 | 20.0 |
| (DEL) Alkane: Str... | 25.61 | 2.5     | ng/ul | 68052    | 6                     | 23.51 | 553178 | 20.0 |
| unknown-02           | 27.29 | 2.0     | ng/ul | 56284    | 6                     | 23.51 | 553178 | 20.0 |